

Export Comparison QAQC Report

(SIDBGD) SEACAR Internal Divison for the Betterment and Goodification of Data

2024-09-25

This document is intended to provide an overview of newly exported Combined Tables.

Discrete WQ

Overview

Table 1: Comparison of New vs. Old data exports - (Discrete WQ)

<i>parameter</i>	<i>oldFile</i>	<i>newFile</i>	<i>nDataOld</i>	<i>nDataNew</i>	<i>difference</i>
Ammonia, Un-ionized (NH3)	2024-Jul-11	2024-Sep-19	523	523	0
Chlorophyll a, Corrected for Pheophytin	2024-Jul-11	2024-Sep-19	49897	68684	18787
Chlorophyll a, Uncorrected for Pheophytin	2024-Jul-11	2024-Sep-19	84323	93301	8978
Colored Dissolved Organic Matter	2024-Jul-11	2024-Sep-19	22944	26435	3491
Dissolved Oxygen	2024-Jul-11	2024-Sep-19	838603	857915	19312
Dissolved Oxygen Saturation	2024-Jul-11	2024-Sep-19	147622	156207	8585
Light Extinction Coefficient	2024-Jul-11	2024-Sep-19	15550	15550	0
Ammonium, Filtered (NH4)	2024-Jul-11	2024-Sep-19	125471	145122	19651
Nitrate (NO3)	2024-Jul-11	2024-Sep-19	19780	11409	-8371
Nitrite (NO2)	2024-Jul-11	2024-Sep-19	32521	43516	10995
Nitrogen, organic	2024-Jul-11	2024-Sep-19	7524	7524	0
NO2+3, Filtered	2024-Jul-11	2024-Sep-19	143033	163966	20933
pH	2024-Jul-11	2024-Sep-19	671400	690690	19290
Phosphate, Filtered (PO4)	2024-Jul-11	2024-Sep-19	65350	65350	0
Salinity	2024-Jul-11	2024-Sep-19	835944	857291	21347
Secchi Depth	2024-Jul-11	2024-Sep-19	341377	350578	9201
Specific Conductivity	2024-Jul-11	2024-Sep-19	460744	478322	17578
Total Kjeldahl Nitrogen	2024-Jul-11	2024-Sep-19	103314	120705	17391
Total Nitrogen	2024-Jul-11	2024-Sep-19	135933	146630	10697
Total Phosphorus	2024-Jul-11	2024-Sep-19	147078	166456	19378
Total Suspended Solids	2024-Jul-11	2024-Sep-19	76598	91184	14586
Turbidity	2024-Jul-11	2024-Sep-19	301230	315479	14249
Water Temperature	2024-Jul-11	2024-Sep-19	888207	907516	19309

Program Differences

Red ProgramIDs are Programs in the Old Exports but not in the New Exports

Green ProgramIDs are Programs in the New Exports but not in the Old Exports

There is a difference in Programs between exports for the following parameters:

Chlorophyll a, Corrected for Pheophytin

Programs in old export: (n=21)

103, 303, 355, 470, 476, 477, 479, 505, 513, 514, 537, 540, 4054, 4063, 5002, 5008, 5014, 5026, 5028, 5033, 10000

Programs in new export: (n=23)

103, 303, **354**, 355, 470, 476, 477, 479, 505, 513, 514, 537, 540, 4054, 4063, 5002, 5008, 5014, **5016**, 5026, 5028, 5033, 10000

Chlorophyll a, Uncorrected for Pheophytin

Programs in old export: (n=26)

3, 60, 95, 103, 115, 118, 297, 354, 355, 470, 476, 477, 479, 509, 513, 514, 537, 540, 4054, 5002, 5008, 5014, 5026, 5028, 5058, 10000

Programs in new export: (n=27)

3, 60, 95, 103, 115, 118, 297, 354, 355, 470, 476, 477, 479, 509, 513, 514, 537, 540, 4054, 5002, 5008, 5014, **5016**, 5026, 5028, 5058, 10000

Dissolved Oxygen

Programs in old export: (n=49)

60, 62, 69, 95, 102, 103, 115, 118, 119, 129, 297, 303, 354, 355, 469, 470, 476, 477, 479, 505, 509, 513, 537, 540, 557, 560, 572, 899, 3000, 3001, 3013, 4042, 4043, 4044, 4049, 4054, 4057, 4058, 4064, 4065, 4067, 5002, 5008, 5014, 5026, 5028, 5058, 5071, 10000

Programs in new export: (n=50)

60, 62, 69, 95, 102, 103, 115, 118, 119, 129, 297, 303, 354, 355, 469, 470, 476, 477, 479, 505, 509, 513, 537, 540, 557, 560, 572, 899, 3000, 3001, 3013, 4042, 4043, 4044, 4049, 4054, 4057, 4058, 4064, 4065, 4067, 5002, 5008, 5014, **5016**, 5026, 5028, 5058, 5071, 10000

Nitrate (NO3)

Programs in old export: (n=6)

303, 354, 513, 4063, 5002, **5033**

Programs in new export: (n=5)

303, 354, 513, 4063, 5002

NO2+3, Filtered

Programs in old export: (n=24)

3, 115, 297, 303, 354, 355, 470, 476, 477, 479, 505, 509, 513, 540, 4054, 4058, 4063, 5002, 5014, 5026, 5028, 5033, 5058, 10000

Programs in new export: (n=25)

3, 115, 297, 303, 354, 355, 470, 476, 477, 479, 505, 509, 513, 540, 4054, 4058, 4063, 5002, 5014, **5016**, 5026, 5028, 5033, 5058, 10000

pH

Programs in old export: (n=41)

3, 69, 95, 103, 115, 118, 129, 297, 303, 354, 355, 469, 470, 476, 477, 479, 509, 513, 537, 540, 557, 558, 560, 899, 3000, 3001, 3013, 4042, 4044, 4049, 4054, 4057, 4058, 4065, 4067, 5002, 5008, 5014, 5026, 5028, 10000

Programs in new export: (n=42)

3, 69, 95, 103, 115, 118, 129, 297, 303, 354, 355, 469, 470, 476, 477, 479, 509, 513, 537, 540, 557, 558, 560, 899, 3000, 3001, 3013, 4042, 4044, 4049, 4054, 4057, 4058, 4065, 4067, 5002, 5008, 5014, 5016, 5026, 5028, 10000

Salinity

Programs in old export: (n=53)

3, 60, 62, 69, 95, 102, 103, 115, 118, 119, 129, 297, 303, 354, 355, 456, 469, 470, 476, 477, 479, 505, 509, 513, 537, 540, 557, 558, 560, 572, 899, 965, 3000, 3001, 3013, 3016, 4042, 4043, 4044, 4049, 4054, 4057, 4058, 4064, 4065, 4067, 5002, 5014, 5026, 5028, 5058, 5071, 10000

Programs in new export: (n=55)

3, 60, 62, 69, 95, 102, 103, 115, 118, 119, 129, 297, 303, 354, 355, 456, 469, 470, 476, 477, 479, 505, 509, 513, 537, 540, 557, 558, 560, 572, 899, 965, 3000, 3001, 3013, 3016, 4042, 4043, 4044, 4049, 4054, 4057, 4058, 4064, 4065, 4067, 5002, 5008, 5014, 5016, 5026, 5028, 5058, 5071, 10000

Specific Conductivity

Programs in old export: (n=31)

69, 95, 102, 103, 115, 119, 354, 355, 470, 476, 477, 479, 513, 514, 537, 540, 558, 572, 3000, 3013, 4042, 4044, 4054, 4058, 4067, 5002, 5008, 5014, 5026, 5028, 10000

Programs in new export: (n=32)

69, 95, 102, 103, 115, 119, 354, 355, 470, 476, 477, 479, 513, 514, 537, 540, 558, 572, 3000, 3013, 4042, 4044, 4054, 4058, 4067, 5002, 5008, 5014, 5016, 5026, 5028, 10000

Total Kjeldahl Nitrogen

Programs in old export: (n=19)

103, 303, 354, 355, 470, 476, 477, 479, 513, 540, 4054, 4058, 4063, 5002, 5014, 5026, 5028, 5033, 10000

Programs in new export: (n=20)

103, 303, 354, 355, 470, 476, 477, 479, 513, 540, 4054, 4058, 4063, 5002, 5014, 5016, 5026, 5028, 5033, 10000

Total Nitrogen

Programs in old export: (n=26)

103, 115, 118, 297, 303, 354, 355, 470, 476, 479, 505, 509, 513, 514, 537, 540, 4054, 4058, 4063, 5002, 5008, 5014, 5026, 5028, 5058, 10000

Programs in new export: (n=28)

103, 115, 118, 297, 303, 354, 355, 470, 476, 477, 479, 505, 509, 513, 514, 537, 540, 4054, 4058, 4063, 5002, 5008, 5014, 5016, 5026, 5028, 5058, 10000

Total Phosphorus

Programs in old export: (n=28)

103, 115, 118, 297, 303, 354, 355, 470, 476, 477, 479, 505, 509, 513, 514, 537, 540, 4054, 4058, 4063, 5002, 5008, 5014, 5026, 5028, 5033, 5058, 10000

Programs in new export: (n=29)

103, 115, 118, 297, 303, 354, 355, 470, 476, 477, 479, 505, 509, 513, 514, 537, 540, 4054, 4058, 4063, 5002, 5008, 5014, 5016, 5026, 5028, 5033, 5058, 10000

Turbidity

Programs in old export: (n=33)

95, 103, 129, 297, 303, 354, 355, 469, 470, 476, 477, 479, 505, 509, 513, 537, 540, 557, 572, 965, 3000, 3013, 4042, 4044, 4054, 4058, 4063, 5002, 5014, 5026, 5033, 5058, 10000

Programs in new export: (n=34)

95, 103, 129, 297, 303, 354, 355, 469, 470, 476, 477, 479, 505, 509, 513, 537, 540, 557, 572, 965, 3000, 3013, 4042, 4044, 4054, 4058, 4063, 5002, 5014, 5016, 5026, 5033, 5058, 10000

Water Temperature

Programs in old export: (n=55)

3, 60, 62, 69, 95, 102, 103, 115, 118, 119, 129, 297, 303, 354, 355, 456, 469, 470, 476, 477, 479, 505, 509, 513, 537, 540, 557, 558, 560, 572, 899, 965, 982, 3000, 3001, 3013, 3016, 4042, 4043, 4044, 4049, 4054, 4057, 4058, 4064, 4065, 4067, 5002, 5008, 5014, 5026, 5028, 5058, 5071, 10000

Programs in new export: (n=56)

3, 60, 62, 69, 95, 102, 103, 115, 118, 119, 129, 297, 303, 354, 355, 456, 469, 470, 476, 477, 479, 505, 509, 513, 537, 540, 557, 558, 560, 572, 899, 965, 982, 3000, 3001, 3013, 3016, 4042, 4043, 4044, 4049, 4054, 4057, 4058, 4064, 4065, 4067, 5002, 5008, 5014, 5016, 5026, 5028, 5058, 5071, 10000

Differences in Program data between exports

Ammonia, Un-ionized (NH3)

Table 2: Number of data entries by program - Ammonia, Un-ionized (NH3)

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	523	2022-01-11	523	2022-01-11	0

Chlorophyll a, Corrected for Pheophytin

Table 3: Number of data entries by program - Chlorophyll a, Corrected for Pheophytin

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
103	EPA STORage and RETrieval Data Warehouse (STORET)	1362	2023-12-07	1362	2023-12-07	0
303	River, Estuary and Coastal Observing Network	731	2024-01-18	1903	2024-01-18	1172
355	Apalachicola NERR SWMP	5366	2022-12-13	7881	2024-03-08	2515
470	St. Andrews Aquatic Preserve Water Quality Monitoring	709	2024-02-15	856	2024-04-15	147
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	2881	2024-02-05	2927	2024-05-06	46
477	Suwannee River Water Management District Water Resource Monitoring Program	116	2023-03-23	230	2023-12-14	114
479	Southwest Florida Water Management District - Water Quality Monitoring	284	2023-10-03	1237	2023-10-24	953
505	Pensacola Bay WQMP	168	2016-05-04	168	2016-05-04	0
513	Coastal Charlotte Harbor Monitoring Network	3932	2024-01-03	4125	2024-05-08	193
514	Florida LAKEWATCH Program	1181	2023-10-18	1279	2023-10-18	98
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	35	2023-07-27	35	2023-07-27	0
540	Shellfish Harvest Area Classification Program	465	2022-06-01	465	2022-06-01	0
4054	Guana Tolomato Matanzas NERR SWMP	5825	2021-12-06	6648	2024-06-04	823
4063	Estero Bay Tributary Monitoring	63	2023-12-06	67	2024-05-07	4
5002	Florida STORET / WIN	19811	2024-02-26	21525	2024-06-24	1714
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	737	2023-11-20	1082	2024-05-22	345
5014	Guana River and Guana Lake Water Quality Monitoring	619	2023-09-11	663	2024-03-08	44
5026	North Biscayne Bay Seagrass Loss Water Quality Program	287	2021-01-14	287	2021-01-14	0
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	712	2024-02-13	725	2024-04-09	13
5033	Southeast Florida Water Quality Assessment Survey	1200	2021-06-11	8478	2023-12-19	7278
10000	RiverKeeper	2256	2023-12-12	2737	2024-06-13	481

Chlorophyll a, Uncorrected for Pheophytin

Table 4: Number of data entries by program - Chlorophyll a, Uncorrected for Pheophytin

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	4139	2024-03-08	4139	2024-03-08	0
60	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Fall and Summer Shrimp/Groundfish Survey	366	2016-07-10	366	2016-07-10	0
95	Harmful Algal Bloom Marine Observation Network	1888	2018-10-29	1888	2018-10-29	0
103	EPA STORage and RETrieval Data Warehouse (STORET)	4829	2022-01-11	4829	2022-01-11	0
115	Environmental Monitoring Assessment Program	69	2004-09-29	69	2004-09-29	0
118	National Aquatic Resource Surveys, National Coastal Condition Assessment	109	2010-09-01	109	2010-09-01	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	15657	2022-09-13	16104	2023-06-19	447
354	Rookery Bay NERR SWMP	4122	2022-12-14	6708	2023-12-06	2586
355	Apalachicola NERR SWMP	1737	2016-12-08	4253	2024-03-08	2516
470	St. Andrews Aquatic Preserve Water Quality Monitoring	762	2024-02-15	909	2024-04-15	147
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	2918	2024-02-05	2964	2024-05-06	46
477	Suwannee River Water Management District Water Resource Monitoring Program	128	2023-03-23	251	2023-12-14	123
479	Southwest Florida Water Management District - Water Quality Monitoring	1839	2023-10-03	1754	2023-10-03	-85
509	SERC Water Quality Monitoring Network	6172	2008-09-23	6172	2008-09-23	0
513	Coastal Charlotte Harbor Monitoring Network	16	2004-05-13	16	2004-05-13	0
514	Florida LAKEWATCH Program	9818	2023-10-18	9410	2023-10-18	-408
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	44	2023-07-27	227	2023-07-27	183
540	Shellfish Harvest Area Classification Program	453	2022-06-01	453	2022-06-01	0
4054	Guana Tolomato Matanzas NERR SWMP	4423	2020-10-13	5240	2024-06-04	817
5002	Florida STORET / WIN	18514	2024-02-26	20053	2024-06-24	1539
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	747	2023-11-20	1092	2024-05-22	345
5014	Guana River and Guana Lake Water Quality Monitoring	677	2023-09-11	721	2024-03-08	44
5026	North Biscayne Bay Seagrass Loss Water Quality Program	410	2020-07-07	410	2020-07-07	0
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	282	2024-02-13	295	2024-04-09	13
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	268	2011-09-28	268	2011-09-28	0
10000	RiverKeeper	2860	2023-12-12	3341	2024-06-13	481

Colored Dissolved Organic Matter

Table 5: Number of data entries by program - Colored Dissolved Organic Matter

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	467	2012-08-02	467	2012-08-02	0
103	EPA STORage and RETrieval Data Warehouse (STORET)	1294	2022-01-03	1294	2022-01-03	0
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	1134	2024-02-05	1180	2024-05-06	46
477	Suwannee River Water Management District Water Resource Monitoring Program	174	2023-08-10	317	2023-12-14	143
479	Southwest Florida Water Management District - Water Quality Monitoring	3269	2023-10-03	4263	2023-10-24	994
513	Coastal Charlotte Harbor Monitoring Network	973	2024-01-03	1127	2024-05-08	154
514	Florida LAKEWATCH Program	3657	2023-07-30	3948	2023-07-30	291
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	17	2023-04-12	18	2023-04-12	1
540	Shellfish Harvest Area Classification Program	370	2019-06-27	370	2019-06-27	0
4054	Guana Tolomato Matanzas NERR SWMP	1328	2012-11-28	1652	2024-06-04	324
4063	Estero Bay Tributary Monitoring	64	2023-12-06	68	2024-05-07	4
5002	Florida STORET / WIN	7292	2024-02-26	8023	2024-06-25	731
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	2269	2024-02-20	2584	2024-07-18	315
5014	Guana River and Guana Lake Water Quality Monitoring	7	2018-12-05	7	2018-12-05	0
10000	RiverKeeper	525	2023-12-11	957	2024-06-13	432

Dissolved Oxygen

Table 6: Number of data entries by program - Dissolved Oxygen

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
60	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Fall and Summer Shrimp/Groundfish Survey	1657	2016-07-10	1657	2016-07-10	0
62	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Reef Fish Survey	1182	2019-06-01	1182	2019-06-01	0
69	Fisheries-Independent Monitoring (FIM) Program	276902	2022-12-21	276880	2022-12-21	-13
95	Harmful Algal Bloom Marine Observation Network	15145	2018-12-06	15150	2018-12-06	5
102	National Status and Trends Mussel Watch	46	2000-08-01	46	2000-08-01	0
103	EPA STORage and RETrieval Data Warehouse (STORET)	24048	2022-01-11	24048	2022-01-11	0
115	Environmental Monitoring Assessment Program	355	2004-09-29	355	2004-09-29	0
118	National Aquatic Resource Surveys, National Coastal Condition Assessment	549	2021-07-28	546	2021-07-28	-3
119	National Status and Trends Bioeffects program	14	1994-06-11	14	1994-06-11	0
129	Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring	3941	2023-12-07	3941	2023-12-07	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	31753	2023-06-13	32154	2023-04-14	401
303	River, Estuary and Coastal Observing Network	68	2020-10-20	1415	2020-10-20	1347
354	Rookery Bay NERR SWMP	1225	2014-12-03	1225	2014-12-03	0
355	Apalachicola NERR SWMP	2455	2019-12-03	2466	2019-12-03	11
469	Central Panhandle Aquatic Preserve WQ Monitoring	1167	2024-03-20	1167	2024-03-20	0
470	St. Andrews Aquatic Preserve Water Quality Monitoring	776	2024-02-15	921	2024-04-15	145
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	4359	2024-02-05	4394	2024-05-06	35
477	Suwannee River Water Management District Water Resource Monitoring Program	167	2023-08-10	314	2023-12-14	147
479	Southwest Florida Water Management District - Water Quality Monitoring	19880	2023-07-31	19968	2023-10-24	88
505	Pensacola Bay WQMP	184	2016-05-04	184	2016-05-04	0
509	SERC Water Quality Monitoring Network	12159	2008-09-23	12173	2008-09-23	14
513	Coastal Charlotte Harbor Monitoring Network	7872	2024-01-30	8259	2024-05-08	387
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	290	2023-12-13	370	2024-04-16	80
540	Shellfish Harvest Area Classification Program	393	2022-06-01	396	2022-06-01	3
557	Central Panhandle Aquatic Preserves Seagrass Monitoring	1129	2023-09-19	1129	2023-09-19	0
560	Big Bend Seagrasses and Nature Coast Aquatic Preserves - Seagrass Monitoring	2104	2023-08-22	2229	2024-07-01	125
572	Rookery Bay National Estuarine Research Reserve Seagrass Monitoring	27	2005-07-26	27	2005-07-26	0
899	USGS Coral Reef Ecosystem Studies (CREST) Project	93	2015-02-04	93	2015-02-04	0
3000	Florida Keys Water Watch	386	2018-12-31	379	2018-12-31	-7
3001	Lagoon Watch (Formerly Marine Discovery Center)	12749	2023-12-31	12742	2023-12-31	-7
3013	Seagrass (SJRWMD)	2283	2023-08-22	2283	2023-08-22	0
4042	Estero Bay Oyster Monitoring	62	2024-01-26	62	2024-01-26	0
4043	RBNER Fish Assessment	2972	2020-11-13	2977	2020-11-13	5
4044	NRDA Oyster Cultch Recovery Project	290	2023-11-08	290	2023-11-08	0
4049	The South Florida Fisheries Habitat Assessment Program (FHAP)	1152	2023-05-26	1152	2023-05-26	0
4054	Guana Tolomato Matanzas NERR SWMP	2792	2020-09-15	3287	2024-06-04	495
4057	Biscayne Bay Water Watch	225	2019-08-10	225	2019-08-10	0
4058	City of Miami Beach Water Monitoring	2254	2023-12-20	2254	2023-12-20	0
4064	A spatial model to improve site selection for seagrass restoration in shallow boating environments	619	2012-09-23	619	2012-09-23	0
4065	Northwest Florida Aquatic Preserve Seagrass Survey	314	2023-09-19	337	2024-06-26	23
4067	Tampa Bay Benthic Monitoring	17562	2022-09-19	17562	2022-09-19	0
5002	Florida STORET / WIN	370657	2024-03-12	383433	2024-07-23	12776
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	2278	2024-02-20	2613	2024-07-18	335
5014	Guana River and Guana Lake Water Quality Monitoring	275	2022-11-07	259	2022-11-07	-16
5026	North Biscayne Bay Seagrass Loss Water Quality Program	1135	2024-02-07	1442	2024-02-07	307
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	150	2024-02-13	160	2024-04-09	10
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	266	2011-09-28	264	2011-09-28	-2
5071	Oyster shell heights and taxonomic diversity in 2015-2017 among previously documented oiled and non-oiled reefs in Louisiana, Alabama, and the Florida panhandle	4	2017-08-29	4	2017-08-29	0
10000	RiverKeeper	6160	2023-12-12	6876	2024-06-13	716

Dissolved Oxygen Saturation

Table 7: Number of data entries by program - Dissolved Oxygen Saturation

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
60	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Fall and Summer Shrimp/Groundfish Survey	1273	2016-07-10	1273	2016-07-10	0
62	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Reef Fish Survey	960	2019-06-01	960	2019-06-01	0
95	Harmful Algal Bloom Marine Observation Network	1498	2018-10-30	1498	2018-10-30	0
102	National Status and Trends Mussel Watch	333	1996-06-29	333	1996-06-29	0
129	Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring	3933	2023-12-07	3933	2023-12-07	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	25419	2020-12-16	25419	2020-12-16	0
303	River, Estuary and Coastal Observing Network	594	2024-01-30	1682	2024-01-30	1088
354	Rookery Bay NERR SWMP	1118	2014-12-03	1118	2014-12-03	0
355	Apalachicola NERR SWMP	2464	2019-12-03	2464	2019-12-03	0
470	St. Andrews Aquatic Preserve Water Quality Monitoring	347	2023-03-21	345	2015-06-15	-2
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	801	2024-02-05	835	2024-05-06	34
477	Suwannee River Water Management District Water Resource Monitoring Program	167	2023-08-10	314	2023-12-14	147
505	Pensacola Bay WQMP	175	2016-05-04	175	2016-05-04	0
513	Coastal Charlotte Harbor Monitoring Network	412	2024-01-30	783	2024-05-08	371
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	288	2023-12-13	366	2024-04-16	78
558	Franklin County Coastal Waters Seagrass Monitoring	37	2013-07-25	37	2013-07-25	0
572	Rookery Bay National Estuarine Research Reserve Seagrass Monitoring	27	2005-07-26	27	2005-07-26	0
3001	Lagoon Watch (Formerly Marine Discovery Center)	12665	2023-12-31	12654	2023-12-31	-11
3013	Seagrass (SJRWMD)	1160	2023-08-22	1160	2023-08-22	0
4042	Estero Bay Oyster Monitoring	53	2024-01-26	53	2024-01-26	0
4044	NRDA Oyster Culch Recovery Project	290	2023-11-08	290	2023-11-08	0
4054	Guana Tolomato Matanzas NERR SWMP	4	2019-11-11	44	2023-11-27	40
4064	A spatial model to improve site selection for seagrass restoration in shallow boating environments	619	2012-09-23	619	2012-09-23	0
4067	Tampa Bay Benthic Monitoring	17104	2022-09-19	17104	2022-09-19	0
5002	Florida STORET / WIN	65498	2024-03-12	70692	2024-07-23	5194
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	2278	2024-02-20	2613	2024-07-18	335
5014	Guana River and Guana Lake Water Quality Monitoring	254	2022-11-07	238	2022-11-07	-16
5026	North Biscayne Bay Seagrass Loss Water Quality Program	426	2023-11-27	491	2023-11-27	65
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	164	2024-02-13	174	2024-04-09	10
10000	RiverKeeper	5850	2023-12-12	6575	2024-06-13	725

Light Extinction Coefficient

Table 8: Number of data entries by program - Light Extinction Coefficient

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	323	2012-08-02	323	2012-08-02	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	10403	2020-12-16	10403	2020-12-16	0
479	Southwest Florida Water Management District - Water Quality Monitoring	1252	2009-12-30	1252	2009-12-30	0
509	SERC Water Quality Monitoring Network	491	2006-04-27	491	2006-04-27	0
4064	A spatial model to improve site selection for seagrass restoration in shallow boating environments	619	2012-09-23	619	2012-09-23	0
5002	Florida STORET / WIN	2328	2017-10-31	2328	2017-10-31	0
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	133	2011-09-28	133	2011-09-28	0

Ammonium, Filtered (NH4)

Table 9: Number of data entries by program - Ammonium, Filtered (NH4)

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	3128	2024-03-08	3128	2024-03-08	0
103	EPA STORage and RETrieval Data Warehouse (STORET)	71	2004-09-29	71	2004-09-29	0
115	Environmental Monitoring Assessment Program	64	2004-09-29	64	2004-09-29	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	25057	2022-09-13	25709	2023-06-19	652
303	River, Estuary and Coastal Observing Network	466	2023-12-19	1187	2023-12-19	721
354	Rookery Bay NERR SWMP	3811	2022-12-07	6445	2023-12-06	2634
355	Apalachicola NERR SWMP	5174	2022-12-13	7715	2024-03-08	2541
470	St. Andrews Aquatic Preserve Water Quality Monitoring	90	2015-06-15	90	2015-06-15	0
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	10	2016-12-05	10	2016-12-05	0
477	Suwannee River Water Management District Water Resource Monitoring Program	174	2023-08-10	318	2023-12-14	144
479	Southwest Florida Water Management District - Water Quality Monitoring	3144	2023-10-03	3818	2023-10-24	674
505	Pensacola Bay WQMP	119	2016-05-04	119	2016-05-04	0
509	SERC Water Quality Monitoring Network	6193	2008-09-23	6193	2008-09-23	0
513	Coastal Charlotte Harbor Monitoring Network	751	2024-01-30	962	2024-05-08	211
4054	Guana Tolomato Matanzas NERR SWMP	5731	2021-12-06	6556	2024-06-04	825
4063	Estero Bay Tributary Monitoring	64	2023-12-06	68	2024-05-07	4
5002	Florida STORET / WIN	57730	2024-02-26	61937	2024-06-25	4207
5014	Guana River and Guana Lake Water Quality Monitoring	592	2023-09-11	636	2024-03-08	44
5026	North Biscayne Bay Seagrass Loss Water Quality Program	744	2024-02-07	1135	2024-02-07	391
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	190	2024-02-13	203	2024-04-09	13
5033	Southeast Florida Water Quality Assessment Survey	8222	2021-06-11	14219	2023-12-19	5997
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	268	2011-09-28	268	2011-09-28	0
10000	RiverKeeper	483	2023-12-12	850	2024-06-13	367

Nitrate (NO3)

Table 10: Number of data entries by program - Nitrate (NO3)

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
303	River, Estuary and Coastal Observing Network	8	2020-10-20	8	2020-10-20	0
354	Rookery Bay NERR SWMP	1976	2022-12-14	1976	2022-12-14	0
513	Coastal Charlotte Harbor Monitoring Network	25	2018-03-19	25	2018-03-19	0
4063	Estero Bay Tributary Monitoring	2	2018-02-05	2	2018-02-05	0
5002	Florida STORET / WIN	9219	2018-04-11	9219	2018-04-11	0

Nitrite (NO2)

Table 11: Number of data entries by program - Nitrite (NO2)

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	4942	2022-09-13	5636	2023-06-19	694
303	River, Estuary and Coastal Observing Network	7	2020-10-20	7	2020-10-20	0
354	Rookery Bay NERR SWMP	2180	2022-12-14	4812	2023-12-06	2632
479	Southwest Florida Water Management District - Water Quality Monitoring	307	2023-10-03	1291	2023-10-24	984
513	Coastal Charlotte Harbor Monitoring Network	564	2024-01-03	606	2024-05-08	42
4054	Guana Tolomato Matanzas NERR SWMP	1590	2020-10-13	1760	2021-11-02	170
4063	Estero Bay Tributary Monitoring	65	2023-12-06	69	2024-05-07	4
5002	Florida STORET / WIN	11797	2024-02-15	12130	2024-06-03	333
5033	Southeast Florida Water Quality Assessment Survey	8197	2021-06-11	14201	2023-12-19	6004
10000	RiverKeeper	17	2021-07-26	17	2021-07-26	0

Nitrogen, organic

Table 12: Number of data entries by program - Nitrogen, organic

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
5002	Florida STORET / WIN	7121	2017-12-13	7121	2017-12-13	0

NO2+3, Filtered

Table 13: Number of data entries by program - NO2+3, Filtered

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	2869	2024-03-08	2869	2024-03-08	0
115	Environmental Monitoring Assessment Program	61	2004-09-29	61	2004-09-29	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	19595	2022-09-13	20288	2023-06-19	693
303	River, Estuary and Coastal Observing Network	493	2023-12-19	1104	2023-12-19	611
354	Rookery Bay NERR SWMP	3081	2022-12-14	5721	2023-12-06	2640
355	Apalachicola NERR SWMP	4713	2022-12-13	8470	2024-03-08	3757
470	St. Andrews Aquatic Preserve Water Quality Monitoring	381	2024-02-15	530	2024-04-15	149
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	4777	2024-02-05	4807	2024-04-01	30
477	Suwannee River Water Management District Water Resource Monitoring Program	174	2023-08-10	318	2023-12-14	144
479	Southwest Florida Water Management District - Water Quality Monitoring	3075	2023-10-03	3750	2023-10-24	675
505	Pensacola Bay WQMP	102	2014-10-15	102	2014-10-15	0
509	SERC Water Quality Monitoring Network	6215	2008-09-23	6215	2008-09-23	0
513	Coastal Charlotte Harbor Monitoring Network	2509	2024-01-03	2551	2024-05-08	42
540	Shellfish Harvest Area Classification Program	460	2022-06-01	460	2022-06-01	0
4054	Guana Tolomato Matanzas NERR SWMP	5423	2021-12-06	6249	2024-06-04	826
4058	City of Miami Beach Water Monitoring	2227	2023-12-20	2227	2023-12-20	0
4063	Estero Bay Tributary Monitoring	58	2023-12-06	62	2024-05-07	4
5002	Florida STORET / WIN	67825	2024-02-26	72048	2024-06-25	4223
5014	Guana River and Guana Lake Water Quality Monitoring	560	2022-11-07	547	2022-11-07	-13
5026	North Biscayne Bay Seagrass Loss Water Quality Program	1108	2024-02-07	1503	2024-02-07	395
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	757	2024-02-13	770	2024-04-09	13
5033	Southeast Florida Water Quality Assessment Survey	8171	2021-06-11	14178	2023-12-19	6007
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	268	2011-09-28	268	2011-09-28	0
10000	RiverKeeper	3220	2023-12-12	3666	2024-06-13	446

pH

Table 14: Number of data entries by program - pH

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	21	2012-08-02	21	2012-08-02	0
69	Fisheries-Independent Monitoring (FIM) Program	275616	2022-12-21	275617	2022-12-21	1
95	Harmful Algal Bloom Marine Observation Network	12884	2018-12-06	12884	2018-12-06	0
103	EPA STORage and RETrieval Data Warehouse (STORET)	13822	2022-01-11	13822	2022-01-11	0
115	Environmental Monitoring Assessment Program	352	2004-09-29	352	2004-09-29	0
118	National Aquatic Resource Surveys, National Coastal Condition Assessment	340	2021-07-28	340	2021-07-28	0
129	Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring	2248	2023-12-07	2248	2023-12-07	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	114	2011-04-26	114	2011-04-26	0
303	River, Estuary and Coastal Observing Network	533	2024-01-30	1882	2024-01-30	1349
354	Rookery Bay NERR SWMP	885	2010-12-02	885	2010-12-02	0
355	Apalachicola NERR SWMP	1284	2019-12-03	1295	2019-12-03	11
469	Central Panhandle Aquatic Preserve WQ Monitoring	1168	2024-03-20	1168	2024-03-20	0
470	St. Andrews Aquatic Preserve Water Quality Monitoring	800	2024-02-15	946	2024-04-15	146
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	4761	2024-02-05	4806	2024-05-06	45
477	Suwannee River Water Management District Water Resource Monitoring Program	171	2023-08-10	318	2023-12-14	147
479	Southwest Florida Water Management District - Water Quality Monitoring	17487	2023-07-31	17571	2023-10-24	84
509	SERC Water Quality Monitoring Network	3472	2008-09-23	3472	2008-09-23	0
513	Coastal Charlotte Harbor Monitoring Network	7823	2024-01-30	8203	2024-05-08	380
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	290	2023-12-13	370	2024-04-16	80
540	Shellfish Harvest Area Classification Program	345	2022-06-01	345	2022-06-01	0
557	Central Panhandle Aquatic Preserves Seagrass Monitoring	948	2023-09-19	948	2023-09-19	0
558	Franklin County Coastal Waters Seagrass Monitoring	218	2014-08-07	218	2014-08-07	0
560	Big Bend Seagrasses and Nature Coast Aquatic Preserves - Seagrass Monitoring	1841	2023-08-22	1966	2024-07-01	125
899	USGS Coral Reef Ecosystem Studies (CREST) Project	88	2015-02-04	88	2015-02-04	0
3000	Florida Keys Water Watch	331	2018-11-06	331	2018-11-06	0
3001	Lagoon Watch (Formerly Marine Discovery Center)	12159	2023-12-31	12159	2023-12-31	0
3013	Seagrass (SJRWMD)	2271	2023-08-22	2271	2023-08-22	0
4042	Estero Bay Oyster Monitoring	56	2024-01-26	56	2024-01-26	0
4044	NRDA Oyster Culch Recovery Project	290	2023-11-08	290	2023-11-08	0
4049	The South Florida Fisheries Habitat Assessment Program (FHAP)	1265	2023-05-26	1265	2023-05-26	0
4054	Guana Tolomato Matanzas NERR SWMP	2775	2020-10-13	3375	2024-06-04	600
4057	Biscayne Bay Water Watch	228	2019-08-10	228	2019-08-10	0
4058	City of Miami Beach Water Monitoring	2308	2023-12-20	2308	2023-12-20	0
4065	Northwest Florida Aquatic Preserve Seagrass Survey	314	2023-09-19	332	2024-06-26	18
4067	Tampa Bay Benthic Monitoring	13727	2022-09-19	13727	2022-09-19	0
5002	Florida STORET / WIN	274271	2024-03-12	287340	2024-07-23	13069
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	2271	2024-02-20	2606	2024-07-18	335
5014	Guana River and Guana Lake Water Quality Monitoring	283	2022-11-07	267	2022-11-07	-16
5026	North Biscayne Bay Seagrass Loss Water Quality Program	1151	2024-02-07	1528	2024-02-07	377
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	211	2024-02-13	223	2024-04-09	12
10000	RiverKeeper	5914	2023-12-12	6634	2024-06-13	720

Phosphate, Filtered (PO4)

Table 15: Number of data entries by program - Phosphate, Filtered (PO4)

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	4354	2024-03-08	4354	2024-03-08	0
103	EPA STORage and RETrieval Data Warehouse (STORET)	75	2004-09-29	75	2004-09-29	0
115	Environmental Monitoring Assessment Program	63	2004-09-29	63	2004-09-29	0
354	Rookery Bay NERR SWMP	4108	2022-12-14	4108	2022-12-14	0
355	Apalachicola NERR SWMP	3176	2022-12-13	3176	2022-12-13	0
479	Southwest Florida Water Management District - Water Quality Monitoring	2075	2015-09-03	2075	2015-09-03	0
505	Pensacola Bay WQMP	102	2014-10-15	102	2014-10-15	0
513	Coastal Charlotte Harbor Monitoring Network	3883	2016-12-22	3883	2016-12-22	0
3000	Florida Keys Water Watch	381	2018-12-31	381	2018-12-31	0
4054	Guana Tolomato Matanzas NERR SWMP	4171	2021-12-06	4171	2021-12-06	0
5002	Florida STORET / WIN	37586	2017-12-20	37586	2017-12-20	0
10000	RiverKeeper	1962	2019-12-17	1962	2019-12-17	0

Salinity

Table 16: Number of data entries by program - Salinity

ProgramID	ProgramName	nOld	LatestDateOld	nNew	LatestDateNew	difference
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	4636	2024-03-08	4636	2024-03-08	0
60	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Fall and Summer Shrimp/Groundfish Survey	1589	2016-07-10	1589	2016-07-10	0
62	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Reef Fish Survey	1142	2019-06-01	1142	2019-06-01	0
69	Fisheries-Independent Monitoring (FIM) Program	278912	2022-12-21	278905	2022-12-21	-7
95	Harmful Algal Bloom Marine Observation Network	26608	2018-12-06	26615	2018-12-06	7
102	National Status and Trends Mussel Watch	383	2000-08-01	383	2000-08-01	0
103	EPA STORAGE and RETRIEVAL Data Warehouse (STORET)	207	2008-07-21	207	2008-07-21	0
115	Environmental Monitoring Assessment Program	360	2004-09-29	360	2004-09-29	0
118	National Aquatic Resource Surveys, National Coastal Condition Assessment	535	2021-07-28	535	2021-07-28	0
119	National Status and Trends Bioeffects program	14	1994-06-11	14	1994-06-11	0
129	Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring	3968	2023-12-07	3968	2023-12-07	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	31389	2022-09-13	31804	2023-04-14	415
303	River, Estuary and Coastal Observing Network	620	2024-01-30	2084	2024-01-30	1464
354	Rookery Bay NERR SWMP	1283	2014-12-03	1283	2014-12-03	0
355	Apalachicola NERR SWMP	2501	2019-12-03	2512	2019-12-03	11
456	Oyster Sentinel	134	2015-06-08	134	2015-06-08	0
469	Central Panhandle Aquatic Preserve WQ Monitoring	1169	2024-03-20	1169	2024-03-20	0
470	St. Andrews Aquatic Preserve Water Quality Monitoring	436	2018-02-06	436	2023-12-20	0
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	4999	2024-02-05	5045	2024-05-06	46
477	Suwannee River Water Management District Water Resource Monitoring Program	135	2022-12-08	268	2023-12-14	133
479	Southwest Florida Water Management District - Water Quality Monitoring	19920	2023-07-31	19941	2023-10-24	21
505	Pensacola Bay WQMP	188	2016-05-04	188	2016-05-04	0
509	SERC Water Quality Monitoring Network	12072	2008-09-23	12071	2008-09-23	-1
513	Coastal Charlotte Harbor Monitoring Network	7729	2024-01-30	8069	2024-04-25	340
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	288	2023-12-13	366	2024-04-16	78
540	Shellfish Harvest Area Classification Program	424	2022-06-01	424	2022-06-01	0
557	Central Panhandle Aquatic Preserves Seagrass Monitoring	1113	2023-09-19	1113	2023-09-19	0
558	Franklin County Coastal Waters Seagrass Monitoring	390	2014-09-19	390	2014-09-19	0
560	Big Bend Seagrasses and Nature Coast Aquatic Preserves - Seagrass Monitoring	2129	2023-08-22	2254	2024-07-01	125
572	Rookery Bay National Estuarine Research Reserve Seagrass Monitoring	31	2005-07-26	31	2005-07-26	0
899	USGS Coral Reef Ecosystem Studies (CREST) Project	82	2015-02-04	82	2015-02-04	0
965	South Florida Seagrass Fish and Invertebrate Assessment Network	4157	2011-10-12	4157	2011-10-12	0
3000	Florida Keys Water Watch	388	2018-12-31	388	2018-12-31	0
3001	Lagoon Watch (Formerly Marine Discovery Center)	12721	2023-12-31	12721	2023-12-31	0
3013	Seagrass (SJRWMD)	2346	2023-08-22	2346	2023-08-22	0
3016	Lake Worth Lagoon Seagrass Mapping Project	81	2013-11-11	81	2013-11-11	0
4042	Estero Bay Oyster Monitoring	62	2024-01-26	62	2024-01-26	0
4043	RBNERR Fish Assessment	3044	2020-11-13	3048	2020-11-13	4
4044	NRDA Oyster Cultch Recovery Project	290	2023-11-08	290	2023-11-08	0
4049	The South Florida Fisheries Habitat Assessment Program (FHAP)	1354	2023-05-26	1354	2023-05-26	0
4054	Guana Tolomato Matanzas NERR SWMP	3307	2019-12-10	3786	2024-06-04	479
4057	Biscayne Bay Water Watch	230	2019-08-10	230	2019-08-10	0
4058	City of Miami Beach Water Monitoring	2308	2023-12-20	2308	2023-12-20	0
4064	A spatial model to improve site selection for seagrass restoration in shallow boating environments	619	2012-09-23	619	2012-09-23	0
4065	Northwest Florida Aquatic Preserve Seagrass Survey	314	2023-09-19	338	2024-06-26	24
4067	Tampa Bay Benthic Monitoring	12597	2022-09-19	12597	2022-09-19	0
5002	Florida STORET / WIN	378472	2024-03-12	391087	2024-07-23	12615
5014	Guana River and Guana Lake Water Quality Monitoring	283	2022-11-07	267	2022-11-07	-16
5028	North Biscayne Bay Seagrass Loss Water Quality Program	435	2024-01-10	436	2024-01-10	1
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	211	2024-02-13	223	2024-04-09	12
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	266	2011-09-28	266	2011-09-28	0
5071	Oyster shell heights and taxonomic diversity in 2015-2017 among previously documented oiled and non-oiled reefs in Louisiana, Alabama, and the Florida panhandle	4	2017-08-29	4	2017-08-29	0
10000	RiverKeeper	5617	2023-12-12	6357	2024-06-13	740

Secchi Depth

Table 17: Number of data entries by program - Secchi Depth

ProgramID	ProgramName	nOld	LatestDateOld	nNew	LatestDateNew	difference
60	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Fall and Summer Shrimp/Groundfish Survey	42	2014-10-29	42	2014-10-29	0
69	Fisheries-Independent Monitoring (FIM) Program	267668	2022-12-21	267668	2022-12-21	0
103	EPA STORAGE and RETRIEVAL Data Warehouse (STORET)	3121	2022-01-11	3121	2022-01-11	0
115	Environmental Monitoring Assessment Program	88	2004-09-29	88	2004-09-29	0
118	National Aquatic Resource Surveys, National Coastal Condition Assessment	70	2021-07-28	70	2021-07-28	0
129	Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring	1966	2023-12-07	1966	2023-12-07	0
303	River, Estuary and Coastal Observing Network	4	2019-05-30	190	2019-05-30	186
355	Apalachicola NERR SWMP	952	2019-12-03	952	2019-12-03	0
469	Central Panhandle Aquatic Preserve WQ Monitoring	610	2024-03-20	610	2024-03-20	0
470	St. Andrews Aquatic Preserve Water Quality Monitoring	356	2015-04-29	356	2015-04-29	0
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	3769	2024-02-05	3814	2024-05-06	45
477	Suwannee River Water Management District Water Resource Monitoring Program	171	2023-08-10	316	2023-12-14	145
479	Southwest Florida Water Management District - Water Quality Monitoring	8549	2023-07-31	8954	2023-10-24	405
513	Coastal Charlotte Harbor Monitoring Network	1804	2024-01-30	1974	2024-04-25	170
514	Florida LAKEWATCH Program	9317	2023-10-18	9150	2023-10-18	-167
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	220	2023-07-27	220	2023-07-27	0
557	Central Panhandle Aquatic Preserves Seagrass Monitoring	658	2023-09-19	658	2023-09-19	0
558	Franklin County Coastal Waters Seagrass Monitoring	519	2017-08-11	519	2017-08-11	0
560	Big Bend Seagrasses and Nature Coast Aquatic Preserves - Seagrass Monitoring	333	2023-08-22	457	2024-07-01	124
572	Rookery Bay National Estuarine Research Reserve Seagrass Monitoring	9	2003-07-29	9	2003-07-29	0
3000	Florida Keys Water Watch	143	2018-11-06	143	2018-11-06	0
3001	Lagoon Watch (Formerly Marine Discovery Center)	8683	2023-12-31	8683	2023-12-31	0
3013	Seagrass (SJRWMD)	1989	2023-08-11	1989	2023-08-11	0
3016	Lake Worth Lagoon Seagrass Mapping Project	50	2013-11-11	50	2013-11-11	0
4049	The South Florida Fisheries Habitat Assessment Program (FHAP)	317	2023-05-26	317	2023-05-26	0
4054	Guana Tolomato Matanzas NERR SWMP	936	2014-12-03	936	2014-12-03	0
4065	Northwest Florida Aquatic Preserve Seagrass Survey	318	2023-09-19	342	2024-06-26	24
5002	Florida STORET / WIN	17912	2024-02-26	22902	2024-07-15	4990
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	1742	2023-11-20	2087	2024-05-22	345
5014	Guana River and Guana Lake Water Quality Monitoring	240	2022-11-07	228	2022-11-07	-12
5026	North Biscayne Bay Seagrass Loss Water Quality Program	425	2020-07-07	425	2020-07-07	0
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	90	2024-02-13	100	2024-04-09	10
5033	Southeast Florida Water Quality Assessment Survey	4797	2021-06-11	7329	2023-12-19	2532
10000	RiverKeeper	2890	2023-12-11	3283	2024-06-12	393

Specific Conductivity

Table 18: Number of data entries by program - Specific Conductivity

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
69	Fisheries-Independent Monitoring (FIM) Program	248260	2022-12-21	248260	2022-12-21	0
95	Harmful Algal Bloom Marine Observation Network	2834	2018-10-23	2834	2018-10-23	0
102	National Status and Trends Mussel Watch	297	1998-08-01	297	1998-08-01	0
103	EPA STORage and RETrieval Data Warehouse (STORET)	10667	2021-12-28	10667	2021-12-28	0
115	Environmental Monitoring Assessment Program	65	1995-08-25	65	1995-08-25	0
119	National Status and Trends Bioeffects program	14	1994-06-11	14	1994-06-11	0
354	Rookery Bay NERR SWMP	425	2014-12-03	425	2014-12-03	0
355	Apalachicola NERR SWMP	628	2019-12-03	639	2019-12-03	11
470	St. Andrews Aquatic Preserve Water Quality Monitoring	798	2024-02-15	943	2024-04-15	145
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	5	2016-12-05	5	2016-12-05	0
477	Suwannee River Water Management District Water Resource Monitoring Program	334	2023-08-10	612	2023-12-14	278
479	Southwest Florida Water Management District - Water Quality Monitoring	15148	2023-07-31	15175	2023-10-24	27
513	Coastal Charlotte Harbor Monitoring Network	7883	2024-01-30	8271	2024-05-08	388
514	Florida LAKEWATCH Program	2602	2023-07-30	2885	2023-07-30	283
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	243	2023-12-13	324	2024-04-16	81
540	Shellfish Harvest Area Classification Program	5	2022-03-14	5	2022-03-14	0
558	Franklin County Coastal Waters Seagrass Monitoring	391	2014-09-19	391	2014-09-19	0
572	Rookery Bay National Estuarine Research Reserve Seagrass Monitoring	27	2005-07-25	27	2005-07-25	0
3000	Florida Keys Water Watch	2	2017-01-09	2	2017-01-09	0
3013	Seagrass (SJRWMD)	2290	2023-08-22	2290	2023-08-22	0
4042	Estero Bay Oyster Monitoring	53	2024-01-26	53	2024-01-26	0
4044	NRDA Oyster Culch Recovery Project	288	2023-11-08	288	2023-11-08	0
4054	Guana Tolomato Matanzas NERR SWMP	967	2020-10-13	1430	2024-06-04	463
4058	City of Miami Beach Water Monitoring	2301	2023-12-20	2301	2023-12-20	0
4067	Tampa Bay Benthic Monitoring	13474	2022-09-19	13474	2022-09-19	0
5002	Florida STORET / WIN	110282	2024-03-12	123299	2024-07-23	13017
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	2277	2024-02-20	2612	2024-07-18	335
5014	Guana River and Guana Lake Water Quality Monitoring	283	2022-11-07	266	2022-11-07	-17
5026	North Biscayne Bay Seagrass Loss Water Quality Program	709	2024-02-07	1091	2024-02-07	382
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	5	2023-05-04	1	2023-05-04	-4
10000	RiverKeeper	6180	2023-12-12	6765	2024-06-13	585

Total Kjeldahl Nitrogen

Table 19: Number of data entries by program - Total Kjeldahl Nitrogen

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
103	EPA STORage and RETrieval Data Warehouse (STORET)	221	1998-06-02	221	1998-06-02	0
303	River, Estuary and Coastal Observing Network	504	2023-12-19	1228	2023-12-19	724
354	Rookery Bay NERR SWMP	170	2014-12-03	1460	2023-12-06	1290
355	Apalachicola NERR SWMP	766	2016-12-08	3292	2024-03-08	2526
470	St. Andrews Aquatic Preserve Water Quality Monitoring	528	2024-02-15	675	2024-04-15	147
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	4651	2024-02-05	4696	2024-05-06	45
477	Suwannee River Water Management District Water Resource Monitoring Program	174	2023-08-10	318	2023-12-14	144
479	Southwest Florida Water Management District - Water Quality Monitoring	2822	2021-07-21	2519	2017-07-12	-303
513	Coastal Charlotte Harbor Monitoring Network	4154	2024-01-30	4361	2024-05-08	207
540	Shellfish Harvest Area Classification Program	465	2022-06-01	465	2022-06-01	0
4054	Guana Tolomato Matanzas NERR SWMP	2315	2020-10-13	3496	2024-06-04	1181
4058	City of Miami Beach Water Monitoring	2183	2023-12-20	2183	2023-12-20	0
4063	Estero Bay Tributary Monitoring	65	2023-12-06	69	2024-05-07	4
5002	Florida STORET / WIN	67103	2024-02-26	71323	2024-06-25	4220
5014	Guana River and Guana Lake Water Quality Monitoring	1232	2023-09-11	1319	2024-03-08	87
5026	North Biscayne Bay Seagrass Loss Water Quality Program	1114	2024-02-07	1505	2024-02-07	391
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	752	2024-02-13	765	2024-04-09	13
5033	Southeast Florida Water Quality Assessment Survey	7691	2021-06-11	13663	2023-12-19	5972
10000	RiverKeeper	2570	2023-12-12	3020	2024-06-13	450

Total Nitrogen

Table 20: Number of data entries by program - Total Nitrogen

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
103	EPA STORage and RETrieval Data Warehouse (STORET)	560	2006-08-16	560	2006-08-16	0
115	Environmental Monitoring Assessment Program	64	2004-09-29	64	2004-09-29	0
118	National Aquatic Resource Surveys, National Coastal Condition Assessment	43	2010-09-01	43	2010-09-01	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	25081	2022-09-13	25707	2023-06-19	626
303	River, Estuary and Coastal Observing Network	506	2023-12-19	1234	2023-12-19	728
354	Rookery Bay NERR SWMP	631	2008-12-18	1024	2017-01-04	393
355	Apalachicola NERR SWMP	584	2016-12-08	3069	2024-03-08	2485
470	St. Andrews Aquatic Preserve Water Quality Monitoring	378	2024-02-15	525	2024-04-15	147
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	4467	2024-02-05	4497	2024-04-01	30
479	Southwest Florida Water Management District - Water Quality Monitoring	8202	2023-10-03	8830	2023-10-24	628
505	Pensacola Bay WQMP	42	2003-03-12	42	2003-03-12	0
509	SERC Water Quality Monitoring Network	6212	2008-09-23	6212	2008-09-23	0
513	Coastal Charlotte Harbor Monitoring Network	3285	2024-01-03	3326	2024-05-08	41
514	Florida LAKEWATCH Program	10433	2023-09-13	10489	2023-09-13	56
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	234	2023-07-27	237	2023-07-27	3
540	Shellfish Harvest Area Classification Program	465	2022-06-01	465	2022-06-01	0
4054	Guana Tolomato Matanzas NERR SWMP	2834	2020-10-13	3217	2024-06-04	383
4058	City of Miami Beach Water Monitoring	2125	2023-12-20	2125	2023-12-20	0
4063	Estero Bay Tributary Monitoring	58	2023-12-06	62	2024-05-07	4
5002	Florida STORET / WIN	61951	2024-02-26	66016	2024-06-25	4065
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	758	2023-11-20	1103	2024-05-22	345
5014	Guana River and Guana Lake Water Quality Monitoring	551	2022-11-07	538	2022-11-07	-13
5026	North Biscayne Bay Seagrass Loss Water Quality Program	1076	2024-02-07	1467	2024-02-07	391
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	751	2024-02-13	764	2024-04-09	13
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	268	2011-09-28	268	2011-09-28	0
10000	RiverKeeper	2079	2021-07-26	2079	2021-07-26	0

Total Phosphorus

Table 21: Number of data entries by program - Total Phosphorus

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
103	EPA STORage and RETrieval Data Warehouse (STORET)	5682	2022-01-11	5682	2022-01-11	0
115	Environmental Monitoring Assessment Program	64	2004-09-29	64	2004-09-29	0
118	National Aquatic Resource Surveys, National Coastal Condition Assessment	15	2010-09-01	15	2010-09-01	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	25628	2022-09-13	26329	2023-06-19	701
303	River, Estuary and Coastal Observing Network	490	2023-12-19	1098	2023-12-19	608
354	Rookery Bay NERR SWMP	796	2019-11-06	2085	2023-12-06	1289
355	Apalachicola NERR SWMP	771	2018-10-23	3304	2024-03-08	2533
470	St. Andrews Aquatic Preserve Water Quality Monitoring	500	2024-02-15	648	2024-04-15	148
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	4767	2024-02-05	4813	2024-05-06	46
477	Suwannee River Water Management District Water Resource Monitoring Program	174	2023-08-10	318	2023-12-14	144
479	Southwest Florida Water Management District - Water Quality Monitoring	8190	2023-10-03	8869	2023-10-24	679
505	Pensacola Bay WQMP	39	2003-03-12	39	2003-03-12	0
509	SERC Water Quality Monitoring Network	6187	2008-09-23	6187	2008-09-23	0
513	Coastal Charlotte Harbor Monitoring Network	3522	2024-01-30	3736	2024-05-08	214
514	Florida LAKEWATCH Program	10415	2023-09-13	10332	2023-09-13	-83
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	225	2023-07-27	228	2023-07-27	3
540	Shellfish Harvest Area Classification Program	459	2022-06-01	459	2022-06-01	0
4054	Guana Tolomato Matanzas NERR SWMP	4246	2020-10-13	5327	2024-06-04	1081
4058	City of Miami Beach Water Monitoring	2196	2023-12-20	2196	2023-12-20	0
4063	Estero Bay Tributary Monitoring	65	2023-12-06	69	2024-05-07	4
5002	Florida STORET / WIN	55219	2024-02-26	59610	2024-06-25	4391
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	758	2023-11-20	1103	2024-05-22	345
5014	Guana River and Guana Lake Water Quality Monitoring	620	2023-09-11	664	2024-03-08	44
5026	North Biscayne Bay Seagrass Loss Water Quality Program	1109	2024-02-07	1501	2024-02-07	392
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	755	2024-02-13	768	2024-04-09	13
5033	Southeast Florida Water Quality Assessment Survey	7463	2021-06-11	13401	2023-12-19	5938
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	268	2011-09-28	268	2011-09-28	0
10000	RiverKeeper	3224	2023-11-14	3676	2024-06-13	452

Total Suspended Solids

Table 22: Number of data entries by program - Total Suspended Solids

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	578	2012-08-02	578	2012-08-02	0
103	EPA STORage and RETrieval Data Warehouse (STORET)	3614	2021-12-28	3614	2021-12-28	0
354	Rookery Bay NERR SWMP	18	2019-12-04	939	2023-12-06	921
355	Apalachicola NERR SWMP	753	2016-12-08	3304	2024-03-08	2551
470	St. Andrews Aquatic Preserve Water Quality Monitoring	321	2015-06-15	321	2015-06-15	0
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	10	2016-12-05	10	2016-12-05	0
477	Suwannee River Water Management District Water Resource Monitoring Program	26	2023-08-10	28	2023-09-25	2
479	Southwest Florida Water Management District - Water Quality Monitoring	3366	2023-10-03	4019	2023-10-24	653
505	Pensacola Bay WQMP	78	2012-05-20	78	2012-05-20	0
513	Coastal Charlotte Harbor Monitoring Network	4037	2024-01-30	4259	2024-05-08	222
4054	Guana Tolomato Matanzas NERR SWMP	3546	2020-10-13	4364	2024-06-04	818
4063	Estero Bay Tributary Monitoring	65	2023-12-06	69	2024-05-07	4
5002	Florida STORET / WIN	45103	2024-02-22	48665	2024-06-25	3562
5014	Guana River and Guana Lake Water Quality Monitoring	139	2022-11-07	126	2022-11-07	-13
5026	North Biscayne Bay Seagrass Loss Water Quality Program	1516	2024-02-07	1909	2024-02-07	393
5033	Southeast Florida Water Quality Assessment Survey	8896	2021-06-11	13801	2023-12-19	4905
10000	RiverKeeper	3081	2023-12-12	3518	2024-06-13	437

Turbidity

Table 23: Number of data entries by program - Turbidity

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
95	Harmful Algal Bloom Marine Observation Network	398	2016-01-07	398	2016-01-07	0
103	EPA STORage and RETrieval Data Warehouse (STORET)	19595	2022-01-03	19595	2022-01-03	0
129	Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring	2253	2023-12-07	2253	2023-12-07	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	26377	2022-09-13	26741	2023-04-14	364
303	River, Estuary and Coastal Observing Network	604	2024-01-30	1899	2024-01-30	1295
354	Rookery Bay NERR SWMP	734	2006-12-14	734	2006-12-14	0
355	Apalachicola NERR SWMP	1831	2019-12-03	1832	2019-12-03	1
469	Central Panhandle Aquatic Preserve WQ Monitoring	481	2024-03-20	481	2024-03-20	0
470	St. Andrews Aquatic Preserve Water Quality Monitoring	659	2024-02-15	802	2024-04-15	143
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	4959	2024-02-05	5005	2024-05-06	46
477	Suwannee River Water Management District Water Resource Monitoring Program	340	2023-08-10	540	2023-12-14	200
479	Southwest Florida Water Management District - Water Quality Monitoring	4894	2023-10-03	5573	2023-10-24	679
505	Pensacola Bay WQMP	74	2016-05-04	74	2016-05-04	0
509	SERC Water Quality Monitoring Network	6178	2008-09-23	6178	2008-09-23	0
513	Coastal Charlotte Harbor Monitoring Network	4219	2024-01-03	4399	2024-05-08	180
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	282	2023-11-08	359	2024-04-16	77
540	Shellfish Harvest Area Classification Program	98	2022-06-01	98	2022-06-01	0
557	Central Panhandle Aquatic Preserves Seagrass Monitoring	369	2023-09-19	369	2023-09-19	0
572	Rookery Bay National Estuarine Research Reserve Seagrass Monitoring	4	2003-07-29	4	2003-07-29	0
965	South Florida Seagrass Fish and Invertebrate Assessment Network	2076	2011-10-12	2076	2011-10-12	0
3000	Florida Keys Water Watch	379	2018-12-31	379	2018-12-31	0
3013	Seagrass (SJRWMD)	1699	2022-03-10	1699	2022-03-10	0
4042	Estero Bay Oyster Monitoring	61	2024-01-26	61	2024-01-26	0
4044	NRDA Oyster Cultch Recovery Project	114	2023-11-08	114	2023-11-08	0
4054	Guana Tolomato Matanzas NERR SWMP	2585	2020-10-13	2675	2021-04-07	90
4058	City of Miami Beach Water Monitoring	2316	2023-12-20	2316	2023-12-20	0
4063	Estero Bay Tributary Monitoring	55	2023-12-06	59	2024-05-07	4
5002	Florida STORET / WIN	204469	2024-02-26	209038	2024-06-25	4569
5014	Guana River and Guana Lake Water Quality Monitoring	139	2022-11-07	126	2022-11-07	-13
5026	North Biscayne Bay Seagrass Loss Water Quality Program	410	2020-07-07	410	2020-07-07	0
5033	Southeast Florida Water Quality Assessment Survey	8366	2021-06-11	14355	2023-12-19	5989
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	264	2011-09-28	264	2011-09-28	0
10000	RiverKeeper	3254	2023-12-12	3708	2024-06-13	454

Water Temperature

Table 24: Number of data entries by program - Water Temperature

ProgramID	ProgramName	nOld	LatestDateOld	nNew	LatestDateNew	difference
3	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Shipboard Surveys	655	2012-08-02	655	2012-08-02	0
60	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Fall and Summer Shrimp/Groundfish Survey	1643	2016-07-10	1643	2016-07-10	0
62	Southeast Area Monitoring and Assessment Program (SEAMAP) - Gulf of Mexico Reef Fish Survey	1182	2019-06-01	1182	2019-06-01	0
69	Fisheries-Independent Monitoring (FIM) Program	279298	2022-12-21	279294	2022-12-21	-4
95	Harmful Algal Bloom Marine Observation Network	25823	2018-12-06	25827	2018-12-06	4
102	National Status and Trends Mussel Watch	366	2000-08-01	366	2000-08-01	0
103	EPA STORAGE and RETRIEVAL Data Warehouse (STORET)	25337	2022-01-11	25337	2022-01-11	0
115	Environmental Monitoring Assessment Program	358	2004-09-29	358	2004-09-29	0
118	National Aquatic Resource Surveys, National Coastal Condition Assessment	377	2021-07-28	377	2021-07-28	0
119	National Status and Trends Bioeffects program	13	1994-06-11	13	1994-06-11	0
129	Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring	3959	2023-12-07	3959	2023-12-07	0
297	Florida Keys National Marine Sanctuary Water Quality Monitoring Project	31377	2022-09-13	31772	2023-04-14	395
303	River, Estuary and Coastal Observing Network	605	2024-01-30	1977	2024-01-30	1372
354	Rookery Bay NERR SWMP	1281	2014-12-03	1281	2014-12-03	0
355	Apalachicola NERR SWMP	2484	2019-12-03	2495	2019-12-03	11
456	Oyster Sentinel	133	2015-06-08	133	2015-06-08	0
469	Central Panhandle Aquatic Preserve WQ Monitoring	1170	2024-03-20	1170	2024-03-20	0
470	St. Andrews Aquatic Preserve Water Quality Monitoring	828	2024-02-15	974	2024-04-15	146
476	Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network	5044	2024-02-05	5088	2024-05-06	44
477	Suwannee River Water Management District Water Resource Monitoring Program	172	2023-08-10	319	2023-12-14	147
479	Southwest Florida Water Management District - Water Quality Monitoring	18404	2023-07-31	18434	2023-10-24	30
505	Pensacola Bay WQMP	188	2016-05-04	188	2016-05-04	0
509	SERC Water Quality Monitoring Network	12054	2008-09-23	12075	2008-09-23	21
513	Coastal Charlotte Harbor Monitoring Network	7941	2024-01-30	8329	2024-05-08	388
537	Choctawhatchee Basin Alliance Living Shorelines Oyster Reef Monitoring	290	2023-12-13	370	2024-04-16	80
540	Shellfish Harvest Area Classification Program	434	2022-06-01	435	2022-06-01	1
557	Central Panhandle Aquatic Preserves Seagrass Monitoring	1118	2023-09-19	1118	2023-09-19	0
558	Franklin County Coastal Waters Seagrass Monitoring	416	2017-08-11	416	2017-08-11	0
560	Big Bend Seagrasses and Nature Coast Aquatic Preserves - Seagrass Monitoring	2129	2023-08-22	2253	2024-07-01	124
572	Rookery Bay National Estuarine Research Reserve Seagrass Monitoring	30	2005-07-26	30	2005-07-26	0
899	USGS Coral Reef Ecosystem Studies (CREST) Project	85	2015-02-04	85	2015-02-04	0
965	South Florida Seagrass Fish and Invertebrate Assessment Network	4157	2011-10-12	4157	2011-10-12	0
982	Florida Keys Bleach Watch	1129	2023-10-31	1129	2023-10-31	0
3000	Florida Keys Water Watch	379	2018-12-31	379	2018-12-31	0
3001	Lagoon Watch (Formerly Marine Discovery Center)	12780	2023-12-31	12780	2023-12-31	0
3013	Seagrass (SJRWMD)	2336	2023-08-22	2336	2023-08-22	0
3016	Lake Worth Lagoon Seagrass Mapping Project	49	2013-11-11	49	2013-11-11	0
4042	Estero Bay Oyster Monitoring	62	2024-01-26	62	2024-01-26	0
4043	RBNERR Fish Assessment	3037	2020-11-13	3039	2020-11-13	2
4044	NRDA Oyster Culch Recovery Project	282	2023-11-08	282	2023-11-08	0
4049	The South Florida Fisheries Habitat Assessment Program (FHAP)	1354	2023-05-26	1354	2023-05-26	0
4054	Guana Tolomato Matanzas NERR SWMP	2878	2020-10-13	3520	2024-06-04	642
4057	Biscayne Bay Water Watch	227	2019-08-10	227	2019-08-10	0
4058	City of Miami Beach Water Monitoring	2298	2023-12-20	2298	2023-12-20	0
4064	A spatial model to improve site selection for seagrass restoration in shallow boating environments	619	2012-09-23	619	2012-09-23	0
4065	Northwest Florida Aquatic Preserve Seagrass Survey	314	2023-09-19	338	2024-06-26	24
4067	Tampa Bay Benthic Monitoring	16167	2022-09-19	16167	2022-09-19	0
5002	Florida STORET / WIN	403373	2024-03-12	416267	2024-07-23	12894
5008	Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region	2278	2024-02-20	2613	2024-07-18	335
5014	Guana River and Guana Lake Water Quality Monitoring	283	2022-11-07	267	2022-11-07	-16
5026	North Biscayne Bay Seagrass Loss Water Quality Program	1152	2024-02-07	1535	2024-02-07	383
5028	Charlotte Harbor Aquatic Preserves Monthly Water Quality Program	197	2024-02-13	207	2024-04-09	10
5058	Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report	264	2011-09-28	264	2011-09-28	0
5071	Oyster shell heights and taxonomic diversity in 2015-2017 among previously documented oiled and non-oiled reefs in Louisiana, Alabama, and the Florida panhandle	4	2017-08-29	4	2017-08-29	0
10000	RiverKeeper	4010	2019-12-17	4509	2019-12-17	499

January 1st Dates

Database defaults to January 1st dates when SampleDate is unavailable or incorrectly collected from raw data. A SampleDate of January 1st is not necessarily an error, but a large number of January 1st dates should be examined further. Continuous WQ is excluded from this analysis.

Table 25: Summary of January 1st Dates

<i>ProgramID</i>	<i>ParameterName</i>	<i>n</i>	<i>years</i>
69	Dissolved Oxygen	2	2007
69	Salinity	2	2007
69	Secchi Depth	2	2007
69	Water Temperature	2	2007
69	pH	2	2007
95	Salinity	18	1957, 1974, 2012
95	Water Temperature	17	1957, 1974, 2012
95	pH	1	2012
456	Salinity	1	1970
456	Water Temperature	1	1970
3001	Dissolved Oxygen	32	1992, 1993, 1994, 1995, 1996, 1999, 2000, 2001, 2002, 2003, 2004, 2008, 2009, 2011, 2012, 2019, 2022
3001	Dissolved Oxygen Saturation	31	1992, 1993, 1994, 1995, 1996, 1999, 2000, 2001, 2002, 2003, 2004, 2008, 2009, 2011, 2019, 2022
3001	Salinity	32	1992, 1993, 1994, 1995, 1996, 1999, 2000, 2001, 2002, 2003, 2004, 2008, 2009, 2011, 2012, 2019, 2022
3001	Secchi Depth	22	1994, 1996, 1999, 2000, 2002, 2003, 2004, 2008, 2009, 2011, 2019, 2022
3001	Water Temperature	32	1992, 1993, 1994, 1995, 1996, 1999, 2000, 2001, 2002, 2003, 2004, 2008, 2009, 2011, 2012, 2019, 2022
3001	pH	30	1992, 1993, 1994, 1995, 1996, 1999, 2000, 2001, 2002, 2003, 2004, 2008, 2009, 2011, 2012, 2022
5002	Colored Dissolved Organic Matter	2	2021, 2022
5002	Dissolved Oxygen	40	1992, 1995, 1998, 1999, 2001, 2002, 2006, 2008, 2011
5002	Dissolved Oxygen Saturation	10	1992, 1995, 1999, 2001, 2002, 2006, 2008, 2011
5002	NO2+3, Filtered	2	2021, 2022
5002	Salinity	37	1992, 1995, 1998, 1999, 2001, 2002, 2006, 2008, 2011, 2021
5002	Secchi Depth	10	2008, 2015, 2017, 2019, 2020, 2022
5002	Specific Conductivity	4	2002, 2021, 2022
5002	Turbidity	25	1998
5002	Water Temperature	40	1992, 1995, 1998, 1999, 2001, 2002, 2006, 2008, 2011
5002	pH	14	1998, 2002, 2006, 2008, 2011

Continuous WQ

Overview

Table 26: Comparison of New vs. Old data exports - (Continuous WQ)

<i>parameter</i>	<i>region</i>	<i>oldFile</i>	<i>newFile</i>	<i>nDataOld</i>	<i>nDataNew</i>	<i>difference</i>	<i>pctChange</i>
Dissolved Oxygen	NW	2024-Jul-02	2024-Sep-04	4351408	4465012	113604	2.61
Dissolved Oxygen	NE	2024-Jul-02	2024-Sep-04	3096851	3204282	107431	3.47
Dissolved Oxygen	SW	2024-Jul-02	2024-Sep-04	5656245	5783344	127099	2.25
Dissolved Oxygen	SE	2024-Jul-02	2024-Sep-04	664324	724461	60137	9.05
Dissolved Oxygen Saturation	NW	2024-Jul-02	2024-Sep-04	4376995	4490705	113710	2.60
Dissolved Oxygen Saturation	NE	2024-Jul-02	2024-Sep-04	3122810	3239347	116537	3.73
Dissolved Oxygen Saturation	SW	2024-Jul-02	2024-Sep-04	5692526	5819687	127161	2.23
Dissolved Oxygen Saturation	SE	2024-Jul-02	2024-Sep-04	668946	729084	60138	8.99
pH	NW	2024-Jul-02	2024-Sep-04	4586234	4699656	113422	2.47
pH	NE	2024-Jul-02	2024-Sep-04	3042599	3155651	113052	3.72
pH	SW	2024-Jul-02	2024-Sep-04	6068960	6200510	131550	2.17
pH	SE	2024-Jul-02	2024-Sep-04	665964	724723	58759	8.82
Salinity	NW	2024-Jul-02	2024-Sep-04	4936599	5062550	125951	2.55
Salinity	NE	2024-Jul-02	2024-Sep-04	3143712	3258907	115195	3.66
Salinity	SW	2024-Jul-02	2024-Sep-04	6390420	6520614	130194	2.04
Salinity	SE	2024-Jul-02	2024-Sep-04	745516	804270	58754	7.88
Turbidity	NW	2024-Jul-02	2024-Sep-04	4386808	4496065	109257	2.49
Turbidity	NE	2024-Jul-02	2024-Sep-04	3002932	3114983	112051	3.73
Turbidity	SW	2024-Jul-02	2024-Sep-04	5649098	5770940	121842	2.16
Turbidity	SE	2024-Jul-02	2024-Sep-04	670267	730230	59963	8.95
Water Temperature	NW	2024-Jul-02	2024-Sep-04	6429155	6574062	144907	2.25
Water Temperature	NE	2024-Jul-02	2024-Sep-04	3284253	3405577	121324	3.69
Water Temperature	SW	2024-Jul-02	2024-Sep-04	8037068	8188622	151554	1.89
Water Temperature	SE	2024-Jul-02	2024-Sep-04	19583717	19672709	88992	0.45

Program Differences

Red ProgramIDs are Programs in the Old Exports but not in the New Exports

Green ProgramIDs are Programs in the New Exports but not in the Old Exports

There is a difference in Programs between exports for the following parameters:

Dissolved Oxygen

Programs in old export: (n=16)

7, 354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5077, 10003

Programs in new export: (n=17)

7, 354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5077, 10003, 10004

Dissolved Oxygen Saturation

Programs in old export: (n=15)

354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5077, 10003

Programs in new export: (n=16)

354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5077, 10003, 10004

pH

Programs in old export: (n=16)

7, 354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5077, 10003

Programs in new export: (n=17)

7, 354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5077, 10003, 10004

Salinity

Programs in old export: (n=18)

2, 7, 354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5062, 5077, 10003

Programs in new export: (n=19)

2, 7, 354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5062, 5077, 10003, 10004

Turbidity

Programs in old export: (n=16)

7, 354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5077, 10003

Programs in new export: (n=17)

7, 354, 355, 467, 468, 471, 473, 474, 505, 512, 4054, 5005, 5006, 5061, 5077, 10003, 10004

Water Temperature

Programs in old export: (n=23)

2, 5, 7, 296, 354, 355, 467, 468, 471, 473, 474, 505, 512, 899, 986, 989, 4054, 5005, 5006, 5061, 5062, 5077, 10003

Programs in new export: (n=24)

2, 5, 7, 296, 354, 355, 467, 468, 471, 473, 474, 505, 512, 899, 986, 989, 4054, 5005, 5006, 5061, 5062, 5077, 10003, 10004

Differences in Program data between exports

Dissolved Oxygen

Table 27: Number of data entries by program - Dissolved Oxygen

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
7	National Water Information System	11123	2024-03-19	11692	2024-07-31	569
354	Rookery Bay NERR SWMP	2605529	2024-04-03	2665127	2024-08-08	59598
355	Apalachicola NERR SWMP	3096192	2024-04-12	3176157	2024-08-16	79965
467	Yellow River Marsh APCWQM	223874	2023-10-25	232610	2024-03-31	8736
468	Central Panhandle APCWQM	207810	2023-12-31	214674	2024-03-12	6864
471	Big Bend Seagrasses APCWQM	810606	2023-12-31	828076	2024-03-31	17470
473	Terra Ceia APCWQM	8153	2009-03-03	8153	2009-03-03	0
474	Estero Bay APCWQM	1445773	2023-12-31	1476139	2024-03-31	30366
505	Pensacola Bay WQMP	3794	2016-09-06	3794	2016-09-06	0
512	Charlotte Harbor APCWQM	1595488	2023-12-31	1632623	2024-03-31	37135
4054	Guana Tolomato Matanzas NERR SWMP	2569101	2024-02-12	2654737	2024-08-13	85636
5005	Indian River Lagoon APCWQM	39746	2007-04-18	39746	2007-04-18	0
5006	Northeast APCWQM	281047	2023-12-31	299984	2024-04-09	18937
5061	St. Johns River WMD CWQP	165776	2024-04-23	168634	2024-08-20	2858
5077	Biscayne Bay APCWQM	664324	2023-12-31	711227	2024-03-31	46903
10003	Tomoka Marsh APCWQM	40492	2022-06-30	40492	2022-06-30	0

Dissolved Oxygen Saturation

Table 28: Number of data entries by program - Dissolved Oxygen Saturation

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
354	Rookery Bay NERR SWMP	2630307	2024-04-03	2689966	2024-08-08	59659
355	Apalachicola NERR SWMP	3101551	2024-04-12	3182191	2024-08-16	80640
467	Yellow River Marsh APCWQM	230142	2023-10-25	238878	2024-03-31	8736
468	Central Panhandle APCWQM	223905	2023-12-31	230769	2024-03-12	6864
471	Big Bend Seagrasses APCWQM	817649	2023-12-31	835119	2024-03-31	17470
473	Terra Ceia APCWQM	8153	2009-03-03	8153	2009-03-03	0
474	Estero Bay APCWQM	1459618	2023-12-31	1489985	2024-03-31	30367
505	Pensacola Bay WQMP	3748	2016-09-06	3748	2016-09-06	0
512	Charlotte Harbor APCWQM	1594448	2023-12-31	1631583	2024-03-31	37135
4054	Guana Tolomato Matanzas NERR SWMP	2588423	2024-02-12	2679645	2024-08-13	91222
5005	Indian River Lagoon APCWQM	39746	2007-04-18	39746	2007-04-18	0
5006	Northeast APCWQM	281080	2023-12-31	300017	2024-04-09	18937
5061	St. Johns River WMD CWQP	173069	2024-04-23	179447	2024-08-20	6378
5077	Biscayne Bay APCWQM	668946	2023-12-31	715849	2024-03-31	46903
10003	Tomoka Marsh APCWQM	40492	2022-06-30	40492	2022-06-30	0

pH

Table 29: Number of data entries by program - pH

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
7	National Water Information System	9973	2024-03-19	10509	2024-07-31	536
354	Rookery Bay NERR SWMP	2860264	2024-04-03	2919903	2024-08-08	59639
355	Apalachicola NERR SWMP	3135442	2024-04-12	3216948	2024-08-16	81506
467	Yellow River Marsh APCWQM	238872	2023-10-25	247608	2024-03-31	8736
468	Central Panhandle APCWQM	231686	2023-12-31	238550	2024-03-12	6864
471	Big Bend Seagrasses APCWQM	970285	2023-12-31	986065	2024-03-31	15780
473	Terra Ceia APCWQM	8306	2009-03-03	8306	2009-03-03	0
474	Estero Bay APCWQM	1697683	2023-12-31	1729873	2024-03-31	32190
505	Pensacola Bay WQMP	1140	2016-09-06	1140	2016-09-06	0
512	Charlotte Harbor APCWQM	1501543	2023-12-31	1541264	2024-04-02	39721
4054	Guana Tolomato Matanzas NERR SWMP	2517269	2024-02-12	2606872	2024-08-13	89603
5005	Indian River Lagoon APCWQM	38184	2007-03-08	38184	2007-03-08	0
5006	Northeast APCWQM	281886	2023-12-31	300826	2024-04-09	18940
5061	St. Johns River WMD CWQP	163886	2024-02-14	168395	2024-08-20	4509
5077	Biscayne Bay APCWQM	665964	2023-12-31	711488	2024-03-31	45524
10003	Tomoka Marsh APCWQM	41374	2022-06-30	41374	2022-06-30	0

Salinity

Table 30: Number of data entries by program - Salinity

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
2	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Moored Instrument Array	86204	2008-06-13	86204	2008-06-13	0
7	National Water Information System	53814	2024-03-19	70672	2024-07-31	16858
354	Rookery Bay NERR SWMP	2966513	2024-04-03	3026092	2024-08-08	59579
355	Apalachicola NERR SWMP	3247498	2024-04-12	3329431	2024-08-16	81933
467	Yellow River Marsh APCWQM	240526	2023-10-25	249262	2024-03-31	8736
468	Central Panhandle APCWQM	221287	2023-12-31	228151	2024-03-12	6864
471	Big Bend Seagrasses APCWQM	1222785	2023-12-31	1240254	2024-03-31	17469
473	Terra Ceia APCWQM	8304	2009-03-03	8304	2009-03-03	0
474	Estero Bay APCWQM	1726543	2023-12-31	1758731	2024-03-31	32188
505	Pensacola Bay WQMP	3869	2016-09-06	3869	2016-09-06	0
512	Charlotte Harbor APCWQM	1655082	2023-12-31	1694800	2024-04-02	39718
4054	Guana Tolomato Matanzas NERR SWMP	2552698	2024-02-12	2638901	2024-08-13	86203
5005	Indian River Lagoon APCWQM	43791	2007-04-18	43791	2007-04-18	0
5006	Northeast APCWQM	292902	2023-12-31	311839	2024-04-09	18937
5061	St. Johns River WMD CWQP	160337	2024-04-23	163192	2024-08-20	2855
5062	FDEP Bureau of Survey and Mapping Continuous Water Quality Program	34918	2021-01-05	34918	2021-01-05	0
5077	Biscayne Bay APCWQM	657802	2023-12-31	703326	2024-03-31	45524
10003	Tomoka Marsh APCWQM	41374	2022-06-30	41374	2022-06-30	0

Turbidity

Table 31: Number of data entries by program - Turbidity

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
7	National Water Information System	1174	2013-10-27	1174	2013-10-27	0
354	Rookery Bay NERR SWMP	2800135	2024-04-03	2858398	2024-08-11	58263
355	Apalachicola NERR SWMP	3029152	2024-04-12	3109737	2024-08-16	80585
467	Yellow River Marsh APCWQM	252626	2023-10-25	261360	2024-03-31	8734
468	Central Panhandle APCWQM	193869	2023-12-31	200732	2024-03-12	6863
471	Big Bend Seagrasses APCWQM	908819	2023-12-31	921894	2024-03-31	13075
473	Terra Ceia APCWQM	8263	2009-03-03	8263	2009-03-03	0
474	Estero Bay APCWQM	1446150	2023-12-31	1478226	2024-03-31	32076
505	Pensacola Bay WQMP	2342	2016-09-06	2342	2016-09-06	0
512	Charlotte Harbor APCWQM	1393376	2023-12-12	1424879	2024-04-02	31503
4054	Guana Tolomato Matanzas NERR SWMP	2492832	2024-02-12	2583699	2024-08-13	90867
5005	Indian River Lagoon APCWQM	39124	2007-04-18	39124	2007-04-18	0
5006	Northeast APCWQM	284397	2023-12-31	303336	2024-04-09	18939
5061	St. Johns River WMD CWQP	145410	2024-04-23	147655	2024-08-20	2245
5077	Biscayne Bay APCWQM	670267	2023-12-31	717001	2024-03-31	46734
10003	Tomoka Marsh APCWQM	41169	2022-06-30	41169	2022-06-30	0

Water Temperature

Table 32: Number of data entries by program - Water Temperature

<i>ProgramID</i>	<i>ProgramName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>
2	Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Moored Instrument Array	86204	2008-06-13	86204	2008-06-13	0
5	National Data Buoy Center	6014688	2024-02-29	6087051	2024-05-31	72363
7	National Water Information System	86786	2024-03-19	98686	2024-07-31	11900
296	Florida Keys National Marine Sanctuary Seagrass Monitoring Project	3987025	2019-12-31	3987025	2019-12-31	0
354	Rookery Bay NERR SWMP	3050975	2024-04-03	3110599	2024-08-08	59624
355	Apalachicola NERR SWMP	3339416	2024-04-12	3423611	2024-08-16	84195
467	Yellow River Marsh APCWQM	265295	2023-10-25	274031	2024-03-31	8736
468	Central Panhandle APCWQM	259581	2023-12-31	266445	2024-03-12	6864
471	Big Bend Seagrasses APCWQM	1254840	2023-12-31	1272310	2024-03-31	17470
473	Terra Ceia APCWQM	8305	2009-03-03	8305	2009-03-03	0
474	Estero Bay APCWQM	1867681	2023-12-31	1899869	2024-03-31	32188
505	Pensacola Bay WQMP	3870	2016-09-06	3870	2016-09-06	0
512	Charlotte Harbor APCWQM	1711243	2023-12-31	1750964	2024-04-02	39721
899	USGS Coral Reef Ecosystem Studies (CREST) Project	922737	2022-08-28	922737	2022-08-28	0
986	Water Temperature on Coral Reefs in the Florida Keys	8692018	2022-09-14	8692018	2022-09-14	0
989	Continuous Bottom Temperature Measurements along the Florida Reef Tract	1824357	2014-08-31	1824357	2014-08-31	0
4054	Guana Tolomato Matanzas NERR SWMP	2682810	2024-02-12	2774590	2024-08-13	91780
5005	Indian River Lagoon APCWQM	43791	2007-04-18	43791	2007-04-18	0
5006	Northeast APCWQM	293314	2023-12-31	312254	2024-04-09	18940
5061	St. Johns River WMD CWQP	166235	2024-04-23	169093	2024-08-20	2858
5062	FDEP Bureau of Survey and Mapping Continuous Water Quality Program	35473	2021-01-05	35473	2021-01-05	0
5077	Biscayne Bay APCWQM	696175	2023-12-31	743078	2024-03-31	46903
10003	Tomoka Marsh APCWQM	41374	2022-06-30	41374	2022-06-30	0

Species

Overview

Table 33: Comparison of New vs. Old data exports

<i>habitat</i>	<i>oldFile</i>	<i>newFile</i>	<i>nDataOld</i>	<i>nDataNew</i>	<i>difference</i>
Coral	2024-Jul-02	2024-Sep-04	6932158	6932158	0
CW	2024-Jul-02	2024-Sep-04	25409	25409	0
Nekton	2024-Jul-02	2024-Sep-04	3108669	3108669	0
Oyster	2024-Jul-26	2024-Sep-04	586948	586948	0
SAV	2024-Jul-02	2024-Sep-19	4387954	4395732	7778

Differences in Program data between exports

Coral

Table 34: Number of data entries by program - Colony Height

<i>ProgramID</i>	<i>ProgramName</i>	<i>ParameterName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>	<i>QuadSize m2</i>
136	Population Status of Elkhorn Coral	Colony Height	11782	2022-12-12	11782	2022-12-12	0	NA
169	Abundance, Distribution, and Condition of Acropora Corals, Other Benthic Coral Reef Organisms, and Marine Debris (SCREAM)	Colony Height	35634	2012-12-31	35634	2012-12-31	0	NA
981	Florida Reef Resilience Program	Colony Height	125938	2023-10-31	125938	2023-10-31	0	NA
3022	National Coral Reef Monitoring Program (NCRMP)	Colony Height	30544	2022-12-16	30544	2022-12-16	0	NA
4019	Post-Hurricane Irma Rapid Assessment	Colony Height	2588	2017-10-18	2588	2017-10-18	0	NA
5040	Coral Disease Monitoring Sentinel Sites	Colony Height	618	2018-02-02	618	2018-02-02	0	NA

Table 35: Number of data entries by program - Colony Length

<i>ProgramID</i>	<i>ProgramName</i>	<i>ParameterName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>	<i>QuadSize m2</i>
136	Population Status of Elkhorn Coral	Colony Length	13348	2022-12-12	13348	2022-12-12	0	NA
5040	Coral Disease Monitoring Sentinel Sites	Colony Length	679	2018-02-02	679	2018-02-02	0	NA

Table 36: Number of data entries by program - Colony Width

<i>ProgramID</i>	<i>ProgramName</i>	<i>ParameterName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>	<i>QuadSize m2</i>
136	Population Status of Elkhorn Coral	Colony Width	12556	2022-12-12	12556	2022-12-12	0	NA
981	Florida Reef Resilience Program	Colony Width	148555	2023-10-31	148555	2023-10-31	0	NA
3022	National Coral Reef Monitoring Program (NCRMP)	Colony Width	30871	2022-12-16	30871	2022-12-16	0	NA
4019	Post-Hurricane Irma Rapid Assessment	Colony Width	3087	2017-10-18	3087	2017-10-18	0	NA
5040	Coral Disease Monitoring Sentinel Sites	Colony Width	713	2018-02-02	713	2018-02-02	0	NA

Table 37: Number of data entries by program - Count

<i>ProgramID</i>	<i>ProgramName</i>	<i>ParameterName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>	<i>QuadSize m2</i>
136	Population Status of Elkhorn Coral	Count	11897	2019-10-23	11897	2019-10-23	0	NA
3021	Pennekamp Coral Survey - Florida Park Service	Count	384	2011-12-31	384	2011-12-31	0	NA
3022	National Coral Reef Monitoring Program (NCRMP)	Count	1861	2022-12-16	1861	2022-12-16	0	NA
3024	Palm Beach County Artificial and Natural Reef Monitoring Program	Count	83670	2018-02-17	83670	2018-02-17	0	NA

Table 38: Number of data entries by program - Percent Live Tissue

<i>ProgramID</i>	<i>ProgramName</i>	<i>ParameterName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>	<i>QuadSize m2</i>
136	Population Status of Elkhorn Coral	Percent Live Tissue	8504	2022-12-12	8504	2022-12-12	0	NA
5040	Coral Disease Monitoring Sentinel Sites	Percent Live Tissue	500	2018-02-02	500	2018-02-02	0	NA

Table 39: Number of data entries by program - Presence/Absence

<i>ProgramID</i>	<i>ProgramName</i>	<i>ParameterName</i>	<i>nOld</i>	<i>LatestDateOld</i>	<i>nNew</i>	<i>LatestDateNew</i>	<i>difference</i>	<i>QuadSize m2</i>
136	Population Status of Elkhorn Coral	Presence/Absence	8090	2019-10-23	8090	2019-10-23	0	NA
295	Florida Keys and Southeast Florida Coral Reef Evaluation and Monitoring Project (CREMP/SECREMP)	Presence/Absence	1877	2022-09-14	1877	2022-09-14	0	NA
379	Nonindigenous Aquatic Species Database	Presence/Absence	4602	2018-07-25	4602	2018-07-25	0	NA
915	NPS South Florida/Caribbean Inventory and Monitoring Network: Coral Reef Monitoring	Presence/Absence	5567058	2016-12-02	5567058	2016-12-02	0	NA
965	South Florida Seagrass Fish and Invertebrate Assessment Network	Presence/Absence	159973	2011-10-31	159973	2011-10-31	0	NA
981	Florida Reef Resilience Program	Presence/Absence	38063	2023-10-31	38063	2023-10-31	0	NA
3021	Pennekamp Coral Survey - Florida Park Service	Presence/Absence	384	2011-12-31	384	2011-12-31	0	NA
3024	Palm Beach County Artificial and Natural Reef Monitoring Program	Presence/Absence	52744	2018-02-17	52744	2018-02-17	0	NA
4018	Miami-Dade County DERM Benthic Habitat Monitoring Program	Presence/Absence	18413	2023-08-03	18413	2023-08-03	0	NA
4019	Post-Hurricane Irma Rapid Assessment	Presence/Absence	552	2017-10-18	552	2017-10-18	0	NA
5027	North Biscayne Bay Seagrass Loss Monitoring Program	Presence/Absence	8942	2022-12-16	8942	2022-12-16	0	NA
5042	2017 Coral Disease Boundary Survey	Presence/Absence	2453	2018-01-01	2453	2018-01-01	0	NA

Table 40: Number of data entries by program - Colony Density

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
169	Abundance, Distribution, and Condition of Acropora Corals, Other Benthic Coral Reef Organisms, and Marine Debris (SCREAM)	Colony Density	39444	2009-12-31	39444	2009-12-31	0	NA
4019	Post-Hurricane Irma Rapid Assessment	Colony Density	568	2017-10-18	568	2017-10-18	0	NA
5042	2017 Coral Disease Boundary Survey	Colony Density	2458	2018-01-01	2458	2018-01-01	0	NA

Table 41: Number of data entries by program - Colony Diameter

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
169	Abundance, Distribution, and Condition of Acropora Corals, Other Benthic Coral Reef Organisms, and Marine Debris (SCREAM)	Colony Diameter	45926	2012-12-31	45926	2012-12-31	0	NA
3022	National Coral Reef Monitoring Program (NCRMP)	Colony Diameter	36312	2022-12-16	36312	2022-12-16	0	NA

Table 42: Number of data entries by program - Percent Cover

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
169	Abundance, Distribution, and Condition of Acropora Corals, Other Benthic Coral Reef Organisms, and Marine Debris (SCREAM)	Percent Cover	163350	2009-12-31	163350	2009-12-31	0	NA
295	Florida Keys and Southeast Florida Coral Reef Evaluation and Monitoring Project (CREMP/SECREMP)	Percent Cover	211705	2022-09-14	211705	2022-09-14	0	NA
899	USGS Coral Reef Ecosystem Studies (CREST) Project	Percent Cover	1816	2003-09-15	1816	2003-09-15	0	NA
3022	National Coral Reef Monitoring Program (NCRMP)	Percent Cover	23288	2022-12-16	23288	2022-12-16	0	NA
3024	Palm Beach County Artificial and Natural Reef Monitoring Program	Percent Cover	1323	2002-06-15	1323	2002-06-15	0	NA
4018	Miami-Dade County DERM Benthic Habitat Monitoring Program	Percent Cover	1578	2007-07-19	1578	2007-07-19	0	NA
5027	North Biscayne Bay Seagrass Loss Monitoring Program	Percent Cover	13847	2022-12-16	13847	2022-12-16	0	NA

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Table 43: Number of data entries by program - Percent Cover

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
620	Inventory and Monitoring Network Status and Trends	Percent Cover	32	2016-12-31	32	2016-12-31	0	NA
651	Coastal Habitat Integrated Mapping and Monitoring Program (CHIMMP) Pilot Monitoring Data	Percent Cover	2567	2021-02-21	2567	2021-02-21	0	NA
906	Tampa Bay Critical Coastal Habitat Assessment	Percent Cover	810	2018-05-23	810	2018-05-23	0	NA
3029	Mangrove Monitoring	Percent Cover	67	2007-06-06	67	2007-06-06	0	NA
4017	Guana Tolomato Matanzas NERR Emergent Intertidal Vegetation Monitoring	Percent Cover	15012	2023-10-11	15012	2023-10-11	0	NA
5009	Apalachicola Emergent Marsh Vegetation Monitoring	Percent Cover	3021	2023-04-20	3021	2023-04-20	0	NA
5015	GTMNERR Mangrove Monitoring	Percent Cover	78	2022-11-03	78	2022-11-03	0	NA

Table 44: Number of data entries by program - Stem Density

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
651	Coastal Habitat Integrated Mapping and Monitoring Program (CHIMMP) Pilot Monitoring Data	Stem Density	19	2021-02-20	19	2021-02-20	0	NA
906	Tampa Bay Critical Coastal Habitat Assessment	Stem Density	71	2018-05-24	71	2018-05-24	0	NA
3029	Mangrove Monitoring	Stem Density	151	2007-07-05	151	2007-07-05	0	NA
4017	Guana Tolomato Matanzas NERR Emergent Intertidal Vegetation Monitoring	Stem Density	2075	2023-10-11	2075	2023-10-11	0	NA
5009	Apalachicola Emergent Marsh Vegetation Monitoring	Stem Density	1201	2023-04-20	1201	2023-04-20	0	NA
5015	GTMNERR Mangrove Monitoring	Stem Density	155	2022-11-03	155	2022-11-03	0	NA

Table 45: Number of data entries by program - Total/Canopy Percent Cover

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
3029	Mangrove Monitoring	Total/Canopy Percent Cover	150	2007-07-05	150	2007-07-05	0	NA

Nekton

Table 46: Number of data entries by program - Count

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
69	Fisheries-Independent Monitoring (FIM) Program	Count	91411	2022-12-08	91411	2022-12-08	0	NA
129	Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring	Count	82812	2023-12-07	82812	2023-12-07	0	NA
4043	RBNERR Fish Assessment	Count	297244	2020-11-13	297244	2020-11-13	0	NA

Table 47: Number of data entries by program - Presence/Absence

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
69	Fisheries-Independent Monitoring (FIM) Program	Presence/Absence	91411	2022-12-08	91411	2022-12-08	0	NA
129	Apalachicola National Estuarine Research Reserve Juvenile Fish and Benthic Macroinvertebrate Monitoring	Presence/Absence	82659	2023-12-07	82659	2023-12-07	0	NA
4043	RBNERR Fish Assessment	Presence/Absence	296481	2020-11-13	296481	2020-11-13	0	NA

Table 48: Number of data entries by program - Standard Length

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
69	Fisheries-Independent Monitoring (FIM) Program	Standard Length	2166650	2022-12-20	2166650	2022-12-20	0	NA

Oyster

Table 49: Number of data entries by program - Shell Height

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
4000	Guana Tolomato Matanzas NERR Oyster monitoring	Shell Height	71691	2024-03-14	71691	2024-03-14	0	0.06
4012	SCCF Oyster Restoration Monitoring	Shell Height	3811	2023-03-15	3811	2023-03-15	0	0.06
4012	SCCF Oyster Restoration Monitoring	Shell Height	1608	2020-03-04	1608	2020-03-04	0	0.25
4012	SCCF Oyster Restoration Monitoring	Shell Height	45	2017-02-02	45	2017-02-02	0	1.00
4014	Locahatchee River Oyster Mapping and Recruitment	Shell Height	6813	2013-09-05	6813	2013-09-05	0	0.25
4016	Indian River Lagoon Oyster, Coastal Wetlands and Mangroves (MarineGEO site)	Shell Height	3606	2023-05-17	3606	2023-05-17	0	0.06
4020	Oyster Integrated Mapping and Monitoring Program (OIMMP) Pilot Monitoring Data	Shell Height	2500	2021-12-31	2500	2021-12-31	0	0.06
4042	Estero Bay Oyster Monitoring	Shell Height	5480	2024-01-26	5480	2024-01-26	0	0.06
4042	Estero Bay Oyster Monitoring	Shell Height	592	2015-01-22	592	2015-01-22	0	0.33
4042	Estero Bay Oyster Monitoring	Shell Height	171	2014-06-11	171	2014-06-11	0	1.00
4044	NRDA Oyster Culch Recovery Project	Shell Height	21724	2023-11-08	21724	2023-11-08	0	0.25
5007	RESTORE Oyster Culch Recovery	Shell Height	56840	2021-06-24	56840	2021-06-24	0	0.25
5017	Northern Coastal Basins and Mosquito Lagoon Oyster Condition Assessment	Shell Height	10276	2016-08-25	10276	2016-08-25	0	0.06
5055	Historical Oyster Body Size (HOBS) Study	Shell Height	28895	2018-10-30	28895	2018-10-30	0	0.06
5063	Distribution and Condition of Intertidal Eastern Oyster (<i>Crassostrea virginica</i>) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery	Shell Height	1060	2016-11-17	1060	2016-11-17	0	0.10
5070	Prehistoric baseline reveals substantial decline of oyster reef condition in a Gulf of Mexico conservation priority area - modern oyster data	Shell Height	3527	2016-07-25	3527	2016-07-25	0	0.25
5071	Oyster shell heights and taxonomic diversity in 2015-2017 among previously documented oiled and non-oiled reefs in Louisiana, Alabama, and the Florida panhandle	Shell Height	102	2017-08-29	102	2017-08-29	0	0.25
5072	Prehistoric baseline reveals substantial decline of oyster reef condition in a Gulf of Mexico conservation priority area - archaeological oyster data	Shell Height	1673	2013-06-17	1673	2013-06-17	0	NA
5073	Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling	Shell Height	595	2014-08-05	595	2014-08-05	0	1.00
5074	Assessment of Oysters and Barnacles Along the Chassahowitzka, Homosassa, and Lower Withlacoochee River Systems	Shell Height	150	2018-03-28	150	2018-03-28	0	0.25
5075	Apalachicola Bay Intertidal Oyster Sampling	Shell Height	403	2019-12-17	403	2019-12-17	0	0.06
10002	Apalachicola Bay Oyster Size Class Monitoring	Shell Height	335854	2012-10-23	335854	2012-10-23	0	0.25

Table 50: Number of data entries by program - Density

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
972	Sarasota County Comprehensive Oyster Monitoring Program	Density	426	2023-10-27	426	2023-10-27	0	0.06
4000	Guana Tolomato Matanzas NERR Oyster monitoring	Density	1148	2024-03-14	1148	2024-03-14	0	0.06
4012	SCCF Oyster Restoration Monitoring	Density	199	2023-03-15	199	2023-03-15	0	1.00
4014	Locahatchee River Oyster Mapping and Recruitment	Density	161	2008-09-12	161	2008-09-12	0	0.25
4016	Indian River Lagoon Oyster, Coastal Wetlands and Mangroves (MarineGEO site)	Density	105	2023-05-17	105	2023-05-17	0	0.06
4020	Oyster Integrated Mapping and Monitoring Program (OIMMP) Pilot Monitoring Data	Density	40	2018-12-31	40	2018-12-31	0	0.06
4042	Estero Bay Oyster Monitoring	Density	68	2024-01-26	68	2024-01-26	0	0.06
4042	Estero Bay Oyster Monitoring	Density	10	2015-01-22	10	2015-01-22	0	0.33
4042	Estero Bay Oyster Monitoring	Density	3	2014-06-11	3	2014-06-11	0	1.00
4044	NRDA Oyster Culch Recovery Project	Density	2175	2023-11-08	2175	2023-11-08	0	0.25
5007	RESTORE Oyster Culch Recovery	Density	1170	2021-06-24	1170	2021-06-24	0	0.25
5017	Northern Coastal Basins and Mosquito Lagoon Oyster Condition Assessment	Density	272	2016-08-25	272	2016-08-25	0	0.06
5063	Distribution and Condition of Intertidal Eastern Oyster (<i>Crassostrea virginica</i>) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery	Density	161	2016-11-17	161	2016-11-17	0	0.10
5073	Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling	Density	27	2010-10-06	27	2010-10-06	0	0.25
5073	Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling	Density	176	2014-08-05	176	2014-08-05	0	1.00
5074	Assessment of Oysters and Barnacles Along the Chassahowitzka, Homosassa, and Lower Withlacoochee River Systems	Density	6	2018-03-28	6	2018-03-28	0	0.25
5075	Apalachicola Bay Intertidal Oyster Sampling	Density	12	2019-12-16	12	2019-12-16	0	0.06

Table 51: Number of data entries by program - Number of Oysters Counted - Total

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
972	Sarasota County Comprehensive Oyster Monitoring Program	Number of Oysters Counted - Total	426	2023-10-27	426	2023-10-27	0	0.25
4000	Guana Tolomato Matanzas NERR Oyster monitoring	Number of Oysters Counted - Total	1148	2024-03-14	1148	2024-03-14	0	0.06
4012	SCCF Oyster Restoration Monitoring	Number of Oysters Counted - Total	91	2023-03-15	91	2023-03-15	0	0.06
4012	SCCF Oyster Restoration Monitoring	Number of Oysters Counted - Total	20	2023-03-17	20	2023-03-17	0	0.25
4012	SCCF Oyster Restoration Monitoring	Number of Oysters Counted - Total	15	2023-03-15	15	2023-03-15	0	1.00
4014	Locahatchee River Oyster Mapping and Recruitment	Number of Oysters Counted - Total	13	2003-10-21	13	2003-10-21	0	0.25
4016	Indian River Lagoon Oyster, Coastal Wetlands and Mangroves (MarineGEO site)	Number of Oysters Counted - Total	105	2023-05-17	105	2023-05-17	0	0.06
4042	Estero Bay Oyster Monitoring	Number of Oysters Counted - Total	257	2024-01-26	257	2024-01-26	0	0.06
4044	NRDA Oyster Culch Recovery Project	Number of Oysters Counted - Total	2175	2023-11-08	2175	2023-11-08	0	0.25
5007	RESTORE Oyster Culch Recovery	Number of Oysters Counted - Total	1170	2021-06-24	1170	2021-06-24	0	0.25
5063	Distribution and Condition of Intertidal Eastern Oyster (<i>Crassostrea virginica</i>) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery	Number of Oysters Counted - Total	161	2016-11-17	161	2016-11-17	0	0.10
5073	Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling	Number of Oysters Counted - Total	11	2010-10-06	11	2010-10-06	0	0.25
5073	Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling	Number of Oysters Counted - Total	74	2014-08-05	74	2014-08-05	0	1.00
5074	Assessment of Oysters and Barnacles Along the Chassahowitzka, Homosassa, and Lower Withlacoochee River Systems	Number of Oysters Counted - Total	12	2018-03-28	12	2018-03-28	0	0.25
5075	Apalachicola Bay Intertidal Oyster Sampling	Number of Oysters Counted - Total	12	2019-12-16	12	2019-12-16	0	0.06

Table 52: Number of data entries by program - Percent Live

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize	m2
972	Sarasota County Comprehensive Oyster Monitoring Program	Percent Live	417	2023-10-27	417	2023-10-27	0		0.25
4000	Guana Tolomato Matanzas NERR Oyster monitoring	Percent Live	1954	2024-03-14	1954	2024-03-14	0		1.00
4012	SCCF Oyster Restoration Monitoring	Percent Live	87	2023-03-15	87	2023-03-15	0		0.06
4012	SCCF Oyster Restoration Monitoring	Percent Live	11	2022-03-17	11	2022-03-17	0		0.25
4014	Loxahatchee River Oyster Mapping and Recruitment	Percent Live	174	2008-09-12	174	2008-09-12	0		0.25
4016	Indian River Lagoon Oyster, Coastal Wetlands and Mangroves (MarineGEO site)	Percent Live	593	2023-05-17	593	2023-05-17	0		1.00
4020	Oyster Integrated Mapping and Monitoring Program (OIMMP) Pilot Monitoring Data	Percent Live	40	2018-12-31	40	2018-12-31	0		1.00
4042	Estero Bay Oyster Monitoring	Percent Live	257	2024-01-26	257	2024-01-26	0		1.00
4044	NRDA Oyster Culch Recovery Project	Percent Live	1367	2023-11-08	1367	2023-11-08	0		0.25
5007	RESTORE Oyster Culch Recovery	Percent Live	1066	2021-06-24	1066	2021-06-24	0		0.25
5010	Apalachicola Intertidal Oyster Project	Percent Live	282	2024-01-29	282	2024-01-29	0		1.00
5017	Northern Coastal Basins and Mosquito Lagoon Oyster Condition Assessment	Percent Live	273	2016-08-25	273	2016-08-25	0		1.00
5035	Historical Oyster Body Size (HOBS) Study	Percent Live	8	2018-10-29	8	2018-10-29	0		0.06
5074	Assessment of Oysters and Barnacles Along the Chassahowitzka, Homosassa, and Lower Withlacoochee River Systems	Percent Live	11	2018-03-28	11	2018-03-28	0		0.25
5075	Apalachicola Bay Intertidal Oyster Sampling	Percent Live	12	2019-12-16	12	2019-12-16	0		1.00

Table 53: Number of data entries by program - Reef Height

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize	m2
4000	Guana Tolomato Matanzas NERR Oyster monitoring	Reef Height	276	2024-03-14	276	2024-03-14	0		NA
4012	SCCF Oyster Restoration Monitoring	Reef Height	185	2020-03-03	185	2020-03-03	0		NA
4016	Indian River Lagoon Oyster, Coastal Wetlands and Mangroves (MarineGEO site)	Reef Height	136	2023-05-17	136	2023-05-17	0		NA
4020	Oyster Integrated Mapping and Monitoring Program (OIMMP) Pilot Monitoring Data	Reef Height	60	2021-12-31	60	2021-12-31	0		NA
4042	Estero Bay Oyster Monitoring	Reef Height	66	2024-01-26	66	2024-01-26	0		NA
5010	Apalachicola Intertidal Oyster Project	Reef Height	65	2024-01-29	65	2024-01-29	0		NA
5017	Northern Coastal Basins and Mosquito Lagoon Oyster Condition Assessment	Reef Height	307	2016-08-25	307	2016-08-25	0		NA
5035	Historical Oyster Body Size (HOBS) Study	Reef Height	2	2018-10-29	2	2018-10-29	0		NA
5075	Apalachicola Bay Intertidal Oyster Sampling	Reef Height	18	2019-12-16	18	2019-12-16	0		NA

Table 54: Number of data entries by program - Number of Oysters Counted - Dead

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize	m2
972	Sarasota County Comprehensive Oyster Monitoring Program	Number of Oysters Counted - Dead	426	2023-10-27	426	2023-10-27	0		0.25
4012	SCCF Oyster Restoration Monitoring	Number of Oysters Counted - Dead	91	2023-03-15	91	2023-03-15	0		0.06
4012	SCCF Oyster Restoration Monitoring	Number of Oysters Counted - Dead	20	2022-03-17	20	2022-03-17	0		0.25
4012	SCCF Oyster Restoration Monitoring	Number of Oysters Counted - Dead	15	2023-03-15	15	2023-03-15	0		1.00
4014	Loxahatchee River Oyster Mapping and Recruitment	Number of Oysters Counted - Dead	13	2003-10-21	13	2003-10-21	0		0.25
4016	Indian River Lagoon Oyster, Coastal Wetlands and Mangroves (MarineGEO site)	Number of Oysters Counted - Dead	105	2023-05-17	105	2023-05-17	0		0.06
4042	Estero Bay Oyster Monitoring	Number of Oysters Counted - Dead	257	2024-01-26	257	2024-01-26	0		0.06
4044	NRDA Oyster Culch Recovery Project	Number of Oysters Counted - Dead	2175	2023-11-08	2175	2023-11-08	0		0.25
5007	RESTORE Oyster Culch Recovery	Number of Oysters Counted - Dead	1170	2021-06-24	1170	2021-06-24	0		0.25
5063	Distribution and Condition of Intertidal Eastern Oyster (Crassostrea virginica) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery	Number of Oysters Counted - Dead	161	2016-11-17	161	2016-11-17	0		0.10
5073	Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling	Number of Oysters Counted - Dead	25	2010-10-06	25	2010-10-06	0		0.25
5073	Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling	Number of Oysters Counted - Dead	148	2014-08-05	148	2014-08-05	0		1.00
5074	Assessment of Oysters and Barnacles Along the Chassahowitzka, Homosassa, and Lower Withlacoochee River Systems	Number of Oysters Counted - Dead	6	2018-03-23	6	2018-03-23	0		0.25
5075	Apalachicola Bay Intertidal Oyster Sampling	Number of Oysters Counted - Dead	12	2019-12-16	12	2019-12-16	0		0.06

Table 55: Number of data entries by program - Number of Oysters Counted - Live

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize	m2
972	Sarasota County Comprehensive Oyster Monitoring Program	Number of Oysters Counted - Live	426	2023-10-27	426	2023-10-27	0		0.25
4012	SCCF Oyster Restoration Monitoring	Number of Oysters Counted - Live	522	2023-03-15	522	2023-03-15	0		0.06
4012	SCCF Oyster Restoration Monitoring	Number of Oysters Counted - Live	30	2022-03-17	30	2022-03-17	0		0.25
4012	SCCF Oyster Restoration Monitoring	Number of Oysters Counted - Live	35	2023-03-15	35	2023-03-15	0		1.00
4014	Loxahatchee River Oyster Mapping and Recruitment	Number of Oysters Counted - Live	14	2003-10-21	14	2003-10-21	0		0.25
4016	Indian River Lagoon Oyster, Coastal Wetlands and Mangroves (MarineGEO site)	Number of Oysters Counted - Live	105	2023-05-17	105	2023-05-17	0		0.06
4042	Estero Bay Oyster Monitoring	Number of Oysters Counted - Live	257	2024-01-26	257	2024-01-26	0		0.06
4044	NRDA Oyster Culch Recovery Project	Number of Oysters Counted - Live	2175	2023-11-08	2175	2023-11-08	0		0.25
5007	RESTORE Oyster Culch Recovery	Number of Oysters Counted - Live	1170	2021-06-24	1170	2021-06-24	0		0.25
5017	Northern Coastal Basins and Mosquito Lagoon Oyster Condition Assessment	Number of Oysters Counted - Live	272	2016-08-25	272	2016-08-25	0		0.06
5063	Distribution and Condition of Intertidal Eastern Oyster (Crassostrea virginica) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery	Number of Oysters Counted - Live	161	2016-11-17	161	2016-11-17	0		0.10
5073	Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling	Number of Oysters Counted - Live	27	2010-10-06	27	2010-10-06	0		0.25
5073	Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling	Number of Oysters Counted - Live	176	2014-08-05	176	2014-08-05	0		1.00
5074	Assessment of Oysters and Barnacles Along the Chassahowitzka, Homosassa, and Lower Withlacoochee River Systems	Number of Oysters Counted - Live	6	2018-03-23	6	2018-03-23	0		0.25
5075	Apalachicola Bay Intertidal Oyster Sampling	Number of Oysters Counted - Live	12	2019-12-16	12	2019-12-16	0		0.06

SAV

Table 56: Number of data entries by program - Percent Occurrence

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize	m2
3013	Seagrass (SJRWMD)	Percent Occurrence	542419	2023-08-22	542419	2023-08-22	0		NA
3015	SCCF Seagrass Surveys	Percent Occurrence	3724	2022-09-14	3724	2022-09-14	0		NA
3017	Loxahatchee River District Bi-Monthly Seagrass Monitoring	Percent Occurrence	77463	2023-10-31	77463	2023-10-31	0		NA
10001	Loxahatchee River District Landscape-Scale Seagrass Mapping Area	Percent Occurrence	9672	2007-10-08	9672	2007-10-08	0		NA

Table 57: Number of data entries by program - Presence/Absence

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
296	Florida Keys National Marine Sanctuary Seagrass Monitoring Project	Presence/Absence	10964	2021-04-13	10964	2021-04-13	0	NA
556	St. Andrew Bay Aquatic Preserve Seagrass Monitoring	Presence/Absence	1652	2007-09-30	1652	2007-09-30	0	NA
557	Central Panhandle Aquatic Preserves Seagrass Monitoring	Presence/Absence	3168	2023-09-19	3168	2023-09-19	0	NA
558	Franklin County Coastal Waters Seagrass Monitoring	Presence/Absence	4485	2017-08-11	4485	2017-08-11	0	NA
559	Northern Big Bend Seagrass Monitoring	Presence/Absence	668	2018-06-30	668	2018-06-30	0	NA
560	Big Bend Seagrasses and Nature Coast Aquatic Preserves - Seagrass Monitoring	Presence/Absence	33140	2023-08-01	34836	2024-07-01	1696	NA
564	Western Pinellas County Seagrass Monitoring	Presence/Absence	10056	2019-12-31	10056	2019-12-31	0	NA
565	Tampa Bay Seagrass Monitoring	Presence/Absence	28310	2023-12-04	28310	2023-12-04	0	NA
568	Sarasota County Seagrass Monitoring	Presence/Absence	1768	2023-02-16	1768	2023-02-16	0	NA
570	Charlotte Harbor Seagrass Monitoring	Presence/Absence	20295	2023-11-21	20295	2023-11-21	0	NA
571	Estero Bay Seagrass Monitoring	Presence/Absence	4745	2023-08-22	4745	2023-08-22	0	NA
572	Rookery Bay National Estuarine Research Reserve Seagrass Monitoring	Presence/Absence	1442	2005-07-07	1442	2005-07-07	0	NA
965	South Florida Seagrass Fish and Invertebrate Assessment Network	Presence/Absence	747950	2011-10-31	747950	2011-10-31	0	NA
978	St. Andrews Bay Prop Scar Monitoring	Presence/Absence	60	2010-12-31	60	2010-12-31	0	NA
997	Apalachicola Bay Ephemeral SAV Monitoring	Presence/Absence	514	2004-08-19	514	2004-08-19	0	NA
3013	Seagrass (SJRWMD)	Presence/Absence	602335	2023-08-22	602335	2023-08-22	0	NA
3015	SCCF Seagrass Surveys	Presence/Absence	3724	2022-09-14	3724	2022-09-14	0	NA
3016	Lake Worth Lagoon Seagrass Mapping Project	Presence/Absence	574	2013-11-11	574	2013-11-11	0	NA
3017	Loxahatchee River District Bi-Monthly Seagrass Monitoring	Presence/Absence	77460	2023-10-31	77460	2023-10-31	0	NA
4018	Miami-Dade County DERM Benthic Habitat Monitoring Program	Presence/Absence	54651	2023-08-03	54651	2023-08-03	0	NA
4049	The South Florida Fisheries Habitat Assessment Program (FHAP)	Presence/Absence	301972	2023-05-26	301972	2023-05-26	0	NA
4065	Northwest Florida Aquatic Preserve Seagrass Survey	Presence/Absence	4923	2023-09-19	5458	2024-06-26	535	NA
5027	North Biscayne Bay Seagrass Loss Monitoring Program	Presence/Absence	37434	2022-12-16	37434	2022-12-16	0	NA
10001	Loxahatchee River District Landscape-Scale Seagrass Mapping Area	Presence/Absence	9672	2007-10-08	9672	2007-10-08	0	NA

Table 58: Number of data entries by program - Braun Blanquet Score

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
296	Florida Keys National Marine Sanctuary Seagrass Monitoring Project	Braun Blanquet Score	10972	2021-04-13	10972	2021-04-13	0	NA
557	Central Panhandle Aquatic Preserves Seagrass Monitoring	Braun Blanquet Score	3183	2023-09-19	3183	2023-09-19	0	NA
565	Tampa Bay Seagrass Monitoring	Braun Blanquet Score	28335	2023-12-04	28335	2023-12-04	0	NA
570	Charlotte Harbor Seagrass Monitoring	Braun Blanquet Score	20300	2023-11-21	20300	2023-11-21	0	NA
571	Estero Bay Seagrass Monitoring	Braun Blanquet Score	4745	2023-08-22	4745	2023-08-22	0	NA
965	South Florida Seagrass Fish and Invertebrate Assessment Network	Braun Blanquet Score	756816	2011-10-31	756816	2011-10-31	0	NA
997	Apalachicola Bay Ephemeral SAV Monitoring	Braun Blanquet Score	496	2004-08-19	496	2004-08-19	0	NA
3016	Lake Worth Lagoon Seagrass Mapping Project	Braun Blanquet Score	574	2013-11-11	574	2013-11-11	0	NA
4018	Miami-Dade County DERM Benthic Habitat Monitoring Program	Braun Blanquet Score	47012	2023-08-03	47012	2023-08-03	0	NA
4049	The South Florida Fisheries Habitat Assessment Program (FHAP)	Braun Blanquet Score	302823	2023-05-26	302823	2023-05-26	0	NA
4065	Northwest Florida Aquatic Preserve Seagrass Survey	Braun Blanquet Score	5139	2023-09-19	5693	2024-06-26	554	NA
5027	North Biscayne Bay Seagrass Loss Monitoring Program	Braun Blanquet Score	37707	2022-12-16	37707	2022-12-16	0	NA

Table 59: Number of data entries by program - Percent Cover

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
556	St. Andrew Bay Aquatic Preserve Seagrass Monitoring	Percent Cover	1652	2007-09-30	1652	2007-09-30	0	NA
558	Franklin County Coastal Waters Seagrass Monitoring	Percent Cover	4485	2017-08-11	4485	2017-08-11	0	NA
560	Big Bend Seagrasses and Nature Coast Aquatic Preserves - Seagrass Monitoring	Percent Cover	9750	2023-08-01	12373	2024-07-01	2623	NA
564	Western Pinellas County Seagrass Monitoring	Percent Cover	10118	2019-12-31	10118	2019-12-31	0	NA
568	Sarasota County Seagrass Monitoring	Percent Cover	1768	2023-02-16	1768	2023-02-16	0	NA
572	Rookery Bay National Estuarine Research Reserve Seagrass Monitoring	Percent Cover	1442	2005-07-07	1442	2005-07-07	0	NA
997	Apalachicola Bay Ephemeral SAV Monitoring	Percent Cover	516	2004-08-19	516	2004-08-19	0	NA
3013	Seagrass (SJRWMD)	Percent Cover	463145	2023-08-22	463145	2023-08-22	0	NA
4018	Miami-Dade County DERM Benthic Habitat Monitoring Program	Percent Cover	1477	2007-07-19	1477	2007-07-19	0	NA
5027	North Biscayne Bay Seagrass Loss Monitoring Program	Percent Cover	35275	2022-12-16	35275	2022-12-16	0	NA

Table 60: Number of data entries by program - Modified Braun Blanquet Score

ProgramID	ProgramName	ParameterName	nOld	LatestDateOld	nNew	LatestDateNew	difference	QuadSize m2
559	Northern Big Bend Seagrass Monitoring	Modified Braun Blanquet Score	668	2018-06-30	668	2018-06-30	0	NA
560	Big Bend Seagrasses and Nature Coast Aquatic Preserves - Seagrass Monitoring	Modified Braun Blanquet Score	44201	2023-08-01	46571	2024-07-01	2370	NA
978	St. Andrews Bay Prop Scar Monitoring	Modified Braun Blanquet Score	115	2010-12-31	115	2010-12-31	0	NA

January 1st Dates

Database defaults to January 1st dates when SampleDate is unavailable or incorrectly collected from raw data. A SampleDate of January 1st is not necessarily an error, but a large number of January 1st dates should be examined further. Continuous WQ is excluded from this analysis.

Table 61: Summary of January 1st Dates

<i>Habitat</i>	<i>ProgramID</i>	<i>ParameterName</i>	<i>n</i>	<i>years</i>
Coral/Coral Reef	295	Percent Cover	240	1997
Coral/Coral Reef	379	Presence/Absence	4	2006, 2009
Coral/Coral Reef	3024	Count	68	2013
Coral/Coral Reef	3024	Presence/Absence	68	2013
Coral/Coral Reef	5042	Colony Density	2458	2018
Coral/Coral Reef	5042	Presence/Absence	2453	2018

QAQC Flag Check

- `n_high` is the amount of data above the quantile value.
- `n_high_flagged` is the amount of data above the quantile value AND containing proper SEACAR-QAQCFlag of 17Q (ResultValue above quantile value).
- `n_low` is the amount of data below the quantile value.
- `n_low_flagged` is the amount of data below the quantile value AND containing proper SEACAR-QAQCFlag of 16Q (ResultValue below quantile value).
- If everything is in order, these values should be the same. Any discrepancies therein should be fastidiously noted.
- Flagcodes for **Threshold** checks: *2Q* & *4Q*
- Quantiles and Threshold checks have been compared with *Database_Thresholds_20240813.xlsx*

Discrete WQ

Quantile Check

ParameterName	n high	n high flagged	n low	n low flagged
Ammonia, Un-ionized (NH3)	1	1	1	1
Chlorophyll a, Corrected for Pheophytin	48	48	4	4
Chlorophyll a, Uncorrected for Pheophytin	89	89	26	26
Colored Dissolved Organic Matter	24	24	0	0
Dissolved Oxygen	824	824	744	744
Dissolved Oxygen Saturation	151	151	111	111
Light Extinction Coefficient	16	16	13	13
Ammonium, Filtered (NH4)	123	123	123	123
Nitrate (NO3)	20	20	0	0
Nitrite (NO2)	113	113	0	0
Nitrogen, organic	7	7	6	6
NO2+3, Filtered	139	139	134	134
pH	595	595	642	642
Phosphate, Filtered (PO4)	62	62	51	51
Salinity	869	869	0	0
Secchi Depth	749	749	42	42
Specific Conductivity	502	502	398	398
Total Kjeldahl Nitrogen	100	100	22	22
Total Nitrogen	683	610	66	66
Total Phosphorus	143	143	84	84
Total Suspended Solids	77	77	18	18
Turbidity	320	320	29	29
Water Temperature	838	838	882	882

Threshold Check

ParameterName	n high	n high flagged	n low	n low flagged	n included
Dissolved Oxygen	207	207	74	74	0
Dissolved Oxygen Saturation	11	11	43	43	0
pH	71	71	2199	2199	0
Salinity	60	60	2	2	0
Secchi Depth	7	7	584	584	0
Specific Conductivity	25	25	29959	29959	0
Water Temperature	9	9	2965	2965	0

Continuous WQ

Quantile Check

ParameterName	n high	n high flagged	n low	n low flagged
Dissolved Oxygen	13493	13493	5296	5296
Dissolved Oxygen Saturation	13995	13995	13641	13641
pH	13973	13973	12293	12293
Salinity	15450	15450	0	0
Turbidity	13799	13799	1	1
Water Temperature	35048	35048	35523	35523

Threshold Check

ParameterName	n high	n high flagged	n low	n low flagged	n included
pH	0	0	5	0	5
Turbidity	0	0	1	0	1

Species

Quantile Check

ParameterName	habitat	n high	n high flagged	n low	n low flagged
Colony Height	Coral	193	193	190	190
Colony Diameter	Coral	76	76	0	0
Percent Cover	Coral	7649	7649	0	0
Colony Density	Coral	43	43	0	0
Colony Length	Coral	15	15	0	0
Colony Width	Coral	177	177	133	133
Stem Density	CW	8	8	0	0
Standard Length	Nekton	5783	5783	1495	1495
Count	Nekton	656	656	0	0
Shell Height	Oyster	578	578	332	332
Density	Oyster	7	6	0	0
Number of Oysters Counted - Live	Oyster	8	8	0	0
Number of Oysters Counted - Dead	Oyster	7	7	0	0
Reef Height	Oyster	2	2	0	0
Number of Oysters Counted - Total	Oyster	8	8	0	0
Percent Cover	SAV	44	44	0	0
Percent Occurrence	SAV	2	2	0	0

Entries where ResultValue is above or below quantile, but expected SEACAR_QAQCFlagCode is not being applied

Table 62: SEACAR QAQC Flag Code discrepancies

RowID	ProgramID	ParameterName	ResultValue	SEACAR QAQCFlagCode	q subset
74373	4000	Density	7152	6Q	high

Threshold Check

ParameterName	habitat	n high	n high flagged	n low	n low flagged
Colony Height	Coral	0	0	3344	3344
Colony Diameter	Coral	0	0	318	318
Percent Live Tissue	Coral	0	0	1	1
Standard Length	Nekton	0	0	1	1
Reef Height	Oyster	0	0	4	4

Expected Values Check (15Q)

Submerged Aquatic Vegetation

Table 63: Overview of 15Q - Expected Values Check

<i>ParameterName</i>	<i>ProgramID</i>	<i>N Data Flagged</i>	<i>N Unexpected Values</i>	<i>Expected Values</i>
Braun Blanquet Score	296	6221	6221	0,0.1,0.5,1,2,3,4,5
Braun Blanquet Score	965	2081	2081	0,0.1,0.5,1,2,3,4,5
Braun Blanquet Score	4018	743	743	0,0.1,0.5,1,2,3,4,5
Braun Blanquet Score	5027	4	4	0,0.1,0.5,1,2,3,4,5
Modified Braun Blanquet Score	559	347	347	0,0.1,0.5,1,2,3,4,5