Export Comparison QAQC Report

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

2024-03-11

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

Discrete

Overview

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

parameter	*oldFile*	*newFile*	*nDataOld*	*nDataNew*	*difference*
Ammonia, Un-ionized (NH3)	2024-Jan-10	2024-Feb-22	523	523	0
Chlorophyll a, Corrected for Pheophytin	2024-Jan-10	2024-Feb-22	54065	54728	663
Chlorophyll a, Uncorrected for Pheophytin	2024-Jan-10	2024-Feb-22	92791	94374	1583
Colored Dissolved Organic Matter	2024-Jan-10	2024-Feb-22	22662	23278	616
Dissolved Oxygen	2024-Jan-10	2024-Feb-22	864543	868335	3792
Dissolved Oxygen Saturation	2024-Jan-10	2024-Feb-22	156082	157761	1679
Light Extinction Coefficient	2024-Jan-10	2024-Feb-22	16333	16333	0
Ammonium, Filtered (NH4)	2024-Jan-10	2024-Feb-22	145237	147004	1767
Nitrate (NO3)	2024-Jan-10	2024-Feb-22	21654	21924	270
Nitrite (NO2)	2024-Jan-10	2024-Feb-22	36569	37764	1195
Nitrogen, organic	2024-Jan-10	2024-Feb-22	7559	7559	0
NO2+3, Filtered	2024-Jan-10	2024-Feb-22	159829	161695	1866
pH	2024-Jan-10	2024-Feb-22	676509	677796	1287
Phosphate, Filtered (PO4)	2024-Jan-10	2024-Feb-22	77957	78939	982
Salinity	2024-Jan-10	2024-Feb-22	871932	873922	1990
Secchi Depth	2024-Jan-10	2024-Feb-22	311780	313623	1843
Specific Conductivity	2024-Jan-10	2024-Feb-22	460764	432174	-28590
Total Kjeldahl Nitrogen	2024-Jan-10	2024-Feb-22	102839	103790	951
Total Nitrogen	2024-Jan-10	2024-Feb-22	139074	140227	1153
Total Phosphorus	2024-Jan-10	2024-Feb-22	150741	151694	953
Total Suspended Solids	2024-Jan-10	2024-Feb-22	78655	79260	605
Turbidity	2024-Jan-10	2024-Feb-22	329810	330770	960
Water Temperature	2024-Jan-10	2024-Feb-22	928493	929218	725

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, Uncorrected for Pheophytin

Programs in old export: (n=24)
3, 60, 95, 103, 115, 118, 297, 354, 355, 470, 476, 477, 479, 509, 514, 537, 540, 4054, 5002, 5014, 5026, 5028, 5058, 10000
Programs in new export: (n=25)
3, 60, 95, 103, 115, 118, 297, 354, 355, 470, 476, 477, 479, 509, 514, 537, 540, 4054, 5002, 5008, 5014, 5026, 5028, 5058, 10000

Dissolved Oxygen

Programs in old export: (n=48)
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, 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=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

pH

Programs in old export: (n=40)
3, 69, 95, 103, 115, 118, 129, 297, 303, 354, 355, 469, 470, 476, 477, 479, 509, 513, 537, 540, 557, 558, 899, 3000, 3001, 3013, 4042, 4044, 4049, 4054, 4057, 4058, 4065, 4067, 5002, 5008, 5014, 5026, 5028, 10000
Programs in new 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

Salinity

Programs in old export: (n=52)
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, 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=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

Secchi Depth

Programs in old export: (n=32)
60, 69, 103, 115, 118, 129, 303, 355, 469, 470, 476, 477, 479, 513, 514, 537, 557, 558, 572, 3000, 3001, 3013, 3016, 4049, 4054, 4065, 5002, 5014, 5026, 5028, 5033, 10000
Programs in new export: (n=34)
60, 69, 103, 115, 118, 129, 303, 355, 469, 470, 476, 477, 479, 513, 514, 537, 557, 558, 560, 572, 3000, 3001, 3013, 3016, 4049, 4054, 4065, 5002, 5008, 5014, 5026, 5028, 5033, 10000

Total Nitrogen

Programs in old export: (n=26)
103, 115, 118, 297, 303, 354, 355, 470, 476, 477, 479, 505, 509, 513, 514, 537, 540, 4054, 4058, 4063, 5002, 5014, 5026, 5028, 5058, 10000
Programs in new export: (n=27)
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, 5058, 10000

Total Phosphorus

Programs in old export: (n=27)
103, 115, 118, 297, 303, 354, 355, 470, 476, 477, 479, 505, 509, 513, 514, 537, 540, 4054, 4058, 4063, 5002, 5014, 5026, 5028, 5033, 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, 5026, 5028, 5033, 5058, 10000

Water Temperature

Programs in old export: (n=54)
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, 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=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

Differences in Program data between exports

Ammonia, Un-ionized (NH3)

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

ProgramID	*nOld*	*nNew*	*difference*
5028	523	523	0

Chlorophyll a, Corrected for Pheophytin

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

ProgramID	*nOld*	*nNew*	*difference*
103	1502	1502	0
303	609	609	0
355	10251	10251	0
470	668	676	8
476	1399	1478	79
477	129	129	0
479	287	287	0
505	168	168	0
513	904	929	25
514	1140	1098	-42
537	32	32	0
540	472	472	0
4054	11129	11129	0
4063	62	63	1
5002	19815	20357	542
5014	1143	1174	31
5026	287	287	0
5028	683	702	19
5033	1200	1200	0
10000	2185	2185	0

Chlorophyll a, Uncorrected for Pheophytin

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

ProgramID	*nOld*	*nNew*	*difference*
3	4051	4051	0
60	877	877	0
95	1897	1897	0
103	4929	4929	0
115	78	78	0
118	122	122	0
297	15261	15261	0
354	8048	9012	964

355	3346	3346	0
470	526	534	8
476	1350	1429	79
477	129	129	0
479	1835	1835	0
509	9241	9241	0
514	3289	3100	-189
537	41	223	182
540	468	468	0
4054	8353	8353	0
5002	23992	24471	479
5014	1249	1280	31
5026	410	410	0
5028	241	260	19
5058	268	268	0
10000	2790	2790	0

Colored Dissolved Organic Matter

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

ProgramID	*nOld*	*nNew*	*difference*
3	572	572	0
103	1294	1294	0
476	1031	1109	78
477	159	159	0
479	3268	3268	0
513	585	610	25
514	3852	3852	0
537	17	17	0
540	374	374	0
4054	2384	2384	0
4063	62	63	1
5002	6709	7087	378
5008	1879	2013	134
5014	14	14	0
10000	462	462	0

Dissolved Oxygen

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

ProgramID	*nOld*	*nNew*	*difference*
60	949	949	0
62	1182	1182	0
69	252935	252913	-22
95	15447	15445	-2
102	46	46	0
103	24928	24928	0
115	352	352	0

118	644	640	-4
119	28	28	0
129	7275	7374	99
297	31244	31244	0
303	68	68	0
354	2524	2488	-36
355	4412	4412	0
469	991	988	-3
470	257	265	8
476	1340	1409	69
477	156	156	0
479	19874	19874	0
505	184	184	0
509	18215	18215	0
513	327	418	91
537	266	266	0
540	431	431	0
557	921	921	0
572	54	54	0
899	93	93	0
3000	393	386	-7
3001	12393	12380	-13
3013	2195	2285	90
4042	46	46	0
4043	5938	5938	0
4044	456	456	0
4049	1153	1153	0
4054	4735	4731	-4
4057	225	225	0
4058	1840	1837	-3
4064	619	619	0
4065	266	314	48
4067	22899	22899	0
5002	416431	417597	1166
5008	1876	2010	134
5014	528	531	3
5026	949	1008	59
5028	109	124	15
5058	268	266	-2
5071	7	7	0
10000	6074	6074	0

Dissolved Oxygen Saturation

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

ProgramID	*nOld*	*nNew*	*difference*
62	960	960	0
95	1502	1502	0
102	361	361	0
129	7238	7357	119
297	25531	25531	0

303	463	463	0
354	2240	2240	0
355	4414	4414	0
470	13	13	0
476	778	847	69
477	156	156	0
505	175	175	0
513	297	388	91
537	264	264	0
540	3	3	0
558	37	37	0
572	54	54	0
3001	12313	12296	-17
3013	1075	1160	85
4042	37	37	0
4044	456	456	0
4054	6	6	0
4064	619	619	0
4067	21987	21981	-6
5002	66437	67622	1185
5008	1876	2010	134
5014	486	490	4
5026	417	417	0
5028	123	138	15
10000	5764	5764	0

Light Extinction Coefficient

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

ProgramID	*nOld*	*nNew*	*difference*
3	400	400	0
297	10434	10434	0
479	1252	1252	0
509	822	822	0
4064	619	619	0
5002	2673	2673	0
5058	133	133	0

Ammonium, Filtered (NH4)

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

ProgramID	*nOld*	*nNew*	*difference*
3	2935	2935	0
103	49	49	0
115	73	73	0
297	24672	24672	0
303	380	380	0

354	8140	9122	982
355	10364	10364	0
470	175	175	0
477	159	159	0
479	3146	3146	0
505	119	119	0
509	9261	9261	0
513	694	746	52
4054	11005	11005	0
4063	62	63	1
5002	63094	63727	633
5014	1095	1126	31
5026	557	611	54
5028	189	203	14
5033	8373	8373	0
5058	268	268	0
10000	427	427	0

Nitrate (NO3)

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

ProgramID	*nOld*	*nNew*	*difference*
303	8	8	0
354	3936	4206	270
513	25	25	0
4063	2	2	0
5002	9312	9312	0
5033	8371	8371	0

Nitrite (NO2)

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

ProgramID	*nOld*	*nNew*	*difference*
297	4381	4381	0
303	7	7	0
354	8092	9074	982
479	301	301	0
513	523	548	25
4054	3021	3021	0
4063	62	63	1
5002	11792	11979	187
5033	8373	8373	0
10000	17	17	0

Nitrogen, organic

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

ProgramID	*nOld*	*nNew*	*difference*
5002	7559	7559	0

NO2+3, Filtered

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

ProgramID	*nOld*	*nNew*	*difference*
3	2677	2677	0
115	70	70	0
297	19220	19220	0
303	407	407	0
354	8104	9086	982
355	10358	10358	0
470	446	454	8
476	4156	4234	78
477	159	159	0
479	3071	3071	0
505	102	102	0
509	9300	9300	0
513	1908	1933	25
540	466	466	0
4054	11178	11178	0
4058	1859	1859	0
4063	62	63	1
5002	71762	72461	699
5014	1065	1065	0
5026	921	975	54
5028	748	767	19
5033	8372	8372	0
5058	268	268	0
10000	3150	3150	0

pH

Table 14: Number of data entries by program - pH

ProgramID	*nOld*	*nNew*	*difference*
3	21	21	0
69	251794	251792	-2
95	13079	13079	0
103	14485	14485	0
115	346	346	0
118	396	396	0
129	4032	4158	126
297	36	36	0
303	407	405	-2
354	1780	1774	-6
355	2280	2280	0
469	989	988	-1
470	258	266	8

476	1043	1116	73
477	160	160	0
479	17483	17482	-1
509	5345	5345	0
513	327	418	91
537	266	266	0
540	366	366	0
557	893	826	-67
558	218	218	0
899	88	88	0
3000	441	386	-55
3001	11795	11789	-6
3013	2189	2271	82
4042	40	40	0
4044	456	456	0
4049	1287	1287	0
4054	4706	4706	0
4057	228	228	0
4058	1879	1878	-1
4065	266	314	48
4067	17820	17796	-24
5002	309946	308916	-1030
5008	1876	2010	134
5014	538	542	4
5026	956	1015	59
5028	166	182	16
10000	5828	5828	0

Phosphate, Filtered (PO4)

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

ProgramID	*nOld*	*nNew*	*difference*
3	4171	4171	0
103	54	54	0
115	72	72	0
354	8144	9126	982
355	10222	10222	0
479	2075	2075	0
505	102	102	0
513	1641	1641	0
3000	381	381	0
4054	7869	7869	0
5002	41264	41264	0
10000	1962	1962	0

Salinity

Table 16: Number of data entries by program - Salinity

ProgramID	*nOld*	*nNew*	*difference*
3	4464	4464	0
60	949	949	0
62	1142	1142	0
69	256067	254853	-1214
95	28628	28626	-2
102	412	411	-1
103	197	197	0
115	359	357	-2
118	622	622	0
119	32	28	-4
129	7143	7263	120
297	30917	30917	0
303	489	489	0
354	2572	2572	0
355	4468	4441	-27
456	167	167	0
469	987	987	0
470	12	12	0
476	926	1001	75
477	138	137	-1
479	19919	19918	-1
505	188	188	0
509	18075	18075	0
513	249	300	51
537	264	264	0
540	444	444	0
557	948	946	-2
558	390	390	0
572	62	62	0
899	82	82	0
965	4829	4829	0
3000	394	388	-6
3001	12413	12345	-68
3013	2248	2347	99
3016	113	81	-32
4042	46	46	0
4043	6082	6078	-4
4044	456	456	0
4049	1376	1376	0
4054	6122	6020	-102
4057	230	230	0
4058	1871	1870	-1
4064	619	619	0
4065	266	314	48
4067	15134	15029	-105
5002	431476	432499	1023
5014	538	542	4
5026	435	434	-1
5028	166	182	16
5058	268	266	-2
5071	7	7	0
10000	5531	5531	0

Secchi Depth

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

ProgramID	*nOld*	*nNew*	*difference*
60	55	55	0
69	242529	242529	0
103	3292	3292	0
115	100	100	0
118	83	83	0
129	3605	3669	64
303	4	4	0
355	1683	1683	0
469	516	516	0
470	298	298	0
476	887	962	75
477	155	155	0
479	8546	8546	0
513	132	155	23
514	9533	9491	-42
537	217	217	0
557	557	557	0
558	519	519	0
572	18	18	0
3000	621	382	-239
3001	8336	8322	-14
3013	2188	2279	91
3016	112	81	-31
4049	367	367	0
4054	1400	1398	-2
4065	270	318	48
5002	17192	17710	518
5014	467	467	0
5026	427	426	-1
5028	49	64	15
5033	4797	4797	0
10000	2825	2825	0

Specific Conductivity

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

ProgramID	*nOld*	*nNew*	*difference*
69	282928	253613	-29315
95	2893	2881	-12
102	343	334	-9
103	10829	10829	0
115	65	65	0
119	28	28	0
354	854	854	0
355	1112	1112	0
470	231	239	8

477	322	321	-1
479	15166	15154	-12
513	327	418	91
514	1533	909	-624
537	219	219	0
540	5	5	0
558	391	391	0
572	54	54	0
3000	756	379	-377
3013	2211	2290	79
4042	37	37	0
4044	460	456	-4
4054	1727	1727	0
4058	1881	1877	-4
4067	17033	17025	-8
5002	110331	111732	1401
5008	1876	2010	134
5014	538	542	4
5026	515	574	59
5028	5	5	0
10000	6094	6094	0

Total Kjeldahl Nitrogen

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

ProgramID	*nOld*	*nNew*	*difference*
103	229	229	0
303	418	418	0
354	360	360	0
355	1493	1493	0
470	479	487	8
476	1670	1749	79
477	159	159	0
479	2834	2834	0
513	1131	1176	45
540	474	474	0
4054	4199	4199	0
4058	1832	1832	0
4063	62	63	1
5002	72642	73327	685
5014	2306	2366	60
5026	930	984	54
5028	748	767	19
5033	8369	8369	0
10000	2504	2504	0

Total Nitrogen

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

ProgramID	*nOld*	*nNew*	*difference*
103	569	569	0
115	73	73	0
118	50	50	0
297	25281	25281	0
303	420	420	0
354	1706	1706	0
355	1129	1129	0
470	407	426	19
476	1395	1472	77
477	1	1	0
479	8197	8197	0
505	42	42	0
509	9296	9296	0
513	765	790	25
514	11039	10990	-49
537	231	231	0
540	460	468	8
4054	5269	5289	20
4058	1831	1831	0
4063	57	58	1
5002	65844	66812	968
5014	1042	1042	0
5026	888	936	48
5028	735	750	15
5058	268	268	0
10000	2079	2079	0

Total Phosphorus

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

ProgramID	*nOld*	*nNew*	*difference*
103	6019	6019	0
115	73	73	0
118	16	16	0
297	25346	25346	0
303	405	405	0
354	1630	1630	0
355	1501	1501	0
470	437	445	8
476	1843	1922	79
477	159	159	0
479	8184	8184	0
505	39	39	0
509	9249	9249	0
513	1096	1148	52
514	11068	11019	-49
537	231	231	0
540	474	474	0

4054	8018	8018	0
4058	1815	1815	0
4063	62	63	1
5002	58465	59202	737
5014	1145	1176	31
5026	923	977	54
5028	748	767	19
5033	8370	8370	0
5058	268	268	0
10000	3157	3157	0

Total Suspended Solids

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

ProgramID	*nOld*	*nNew*	*difference*
3	711	711	0
103	3809	3809	0
354	158	158	0
355	1497	1497	0
470	230	230	0
476	8	8	0
477	20	20	0
479	3372	3372	0
505	78	78	0
513	1122	1174	52
4054	6464	6464	0
4063	62	63	1
5002	47056	47554	498
5014	278	278	0
5026	1327	1381	54
5033	9455	9455	0
10000	3008	3008	0

Turbidity

Table 23: Number of data entries by program - Turbidity

ProgramID	*nOld*	*nNew*	*difference*
95	407	407	0
103	19836	19836	0
129	4095	4223	128
297	25820	25820	0
303	474	474	0
354	1468	1468	0
355	3277	3277	0
469	299	299	0
470	153	161	8
476	1582	1661	79
477	314	314	0

479	4887	4887	0
505	74	74	0
509	9250	9250	0
513	656	708	52
537	263	263	0
540	99	99	0
572	8	8	0
965	2411	2411	0
3000	379	379	0
3013	1699	1699	0
4042	45	45	0
4044	112	112	0
4054	4603	4603	0
4058	1869	1869	0
4063	62	63	1
5002	233168	233860	692
5014	278	278	0
5026	410	410	0
5033	8372	8372	0
5058	264	264	0
10000	3176	3176	0

Water Temperature

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

ProgramID	*nOld*	*nNew*	*difference*
3	801	801	0
60	949	949	0
62	1182	1182	0
69	255279	255278	-1
95	27519	27518	-1
102	394	394	0
103	26530	26530	0
115	355	355	0
118	452	452	0
119	30	28	-2
129	7145	7269	124
297	30878	30877	-1
303	474	474	0
354	2562	2562	0
355	4411	4411	0
456	168	167	-1
469	988	988	0
470	229	237	8
476	914	988	74
477	156	156	0
479	18400	18399	-1
505	188	188	0
509	18085	18085	0
513	327	418	91
537	266	266	0
540	451	450	-1

557	946	946	0
558	418	417	-1
572	60	60	0
899	85	85	0
965	4829	4829	0
982	935	935	0
3000	387	383	-4
3001	12420	12412	-8
3013	2238	2337	99
3016	113	81	-32
4042	46	46	0
4043	6066	6066	0
4044	452	450	-2
4049	1376	1376	0
4054	4835	4833	-2
4057	227	227	0
4058	1868	1867	-1
4064	619	619	0
4065	266	314	48
4067	20957	20957	0
5002	462405	460403	-2002
5008	1876	2010	134
5014	538	542	4
5026	957	1016	59
5028	156	171	15
5058	268	266	-2
5071	7	7	0
10000	4010	4010	0

Continuous

Overview

Table 25: Comparison of New vs. Old data exports - (Continuous)

parameter	*region*	*oldFile*	*newFile*	*nDataOld*	*nDataNew*	*difference*	*pctChange*
Dissolved Oxygen	NW	2024-Jan-10	2024-Feb-22	6406539	6602332	195793	3.06
Dissolved Oxygen	NE	2024-Jan-10	2024-Feb-22	4002442	4049534	47092	1.18
Dissolved Oxygen	SW	2024-Jan-10	2024-Feb-23	7885083	8096163	211080	2.68
Dissolved Oxygen	SE	2024-Jan-10	2024-Feb-22	461832	613852	152020	32.92
Dissolved Oxygen Saturation	NW	2024-Jan-10	2024-Feb-22	6429594	6636258	206664	3.21
Dissolved Oxygen Saturation	NE	2024-Jan-10	2024-Feb-22	4032934	4080032	47098	1.17
Dissolved Oxygen Saturation	SW	2024-Jan-10	2024-Feb-22	7947250	8159331	212081	2.67
Dissolved Oxygen Saturation	SE	2024-Jan-10	2024-Feb-22	461168	617484	156316	33.90
pH	NW	2024-Jan-10	2024-Feb-22	6676970	6883509	206539	3.09
pH	NE	2024-Jan-10	2024-Feb-22	3938503	3985742	47239	1.20
pH	SW	2024-Jan-10	2024-Feb-23	8530304	8747807	217503	2.55
pH	SE	2024-Jan-10	2024-Feb-22	460068	615939	155871	33.88
Salinity	NW	2024-Jan-10	2024-Feb-22	7142131	7303347	161216	2.26
Salinity	NE	2024-Jan-10	2024-Feb-22	4095584	4125148	29564	0.72
Salinity	SW	2024-Jan-10	2024-Feb-23	8938757	9150885	212128	2.37
Salinity	SE	2024-Jan-10	2024-Feb-22	544217	694476	150259	27.61
Turbidity	NW	2024-Jan-10	2024-Feb-22	6379457	6536933	157476	2.47
Turbidity	NE	2024-Jan-10	2024-Feb-22	3883354	3909031	25677	0.66
Turbidity	SW	2024-Jan-10	2024-Feb-22	8077184	8267194	190010	2.35
Turbidity	SE	2024-Jan-10	2024-Feb-22	471603	622713	151110	32.04
Water Temperature	NW	2024-Jan-10	2024-Feb-22	8587216	8828043	240827	2.80
Water Temperature	NE	2024-Jan-10	2024-Feb-22	4279334	4315686	36352	0.85
Water Temperature	SW	2024-Jan-10	2024-Feb-23	10909772	10861174	-48598	-0.45
Water Temperature	SE	2024-Jan-10	2024-Feb-22	19640776	19566742	-74034	-0.38

Differences in Program data between exports

Dissolved Oxygen

Table 26: Number of data entries by program - Dissolved Oxygen

ProgramID	*nOld*	*nNew*	*difference*
7	4862	4862	0
7	120	120	0
7	188	188	0
354	4946664	5085430	138766
355	5295389	5416156	120767
467	197906	221521	23615
468	177846	177846	0
471	726742	778154	51412
473	8153	8153	0
474	1382961	1429985	47024
505	3794	3793	-1
512	1547117	1572407	25290
4054	3522106	3522010	-96
5005	39746	39746	0
5006	238256	283080	44824
5061	161722	164086	2364
5077	461832	613852	152020
10003	40492	40492	0

Dissolved Oxygen Saturation

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

ProgramID	*nOld*	*nNew*	*difference*
354	4996214	5135981	139767
355	5298992	5430630	131638
467	204174	227789	23615
468	193941	193941	0
471	728739	780151	51412
473	8153	8153	0
474	1396806	1443830	47024
505	3748	3747	-1
512	1546077	1571367	25290
4054	3545391	3545296	-95
5005	39746	39746	0
5006	238289	283113	44824
5061	169016	171385	2369
5077	461168	617484	156316
10003	40492	40492	0

pH

Table 28: Number of data entries by program - pH

ProgramID	*nOld*	*nNew*	*difference*
7	4521	4521	0
7	154	154	0
354	5448476	5588292	139816
355	5374436	5503434	128998
467	210390	236519	26129
468	199162	199162	0
471	887321	938733	51412
473	8306	8306	0
474	1625756	1678153	52397
505	1140	1140	0
512	1447612	1472902	25290
4054	3456064	3456064	0
5005	38184	38184	0
5006	241397	286234	44837
5061	161484	163886	2402
5077	460068	615939	155871
10003	41374	41374	0

Salinity

Table 29: Number of data entries by program - Salinity

ProgramID	*nOld*	*nNew*	*difference*
2	86204	86204	0
7	123	123	0
7	3307	3339	32
7	11493	11741	248
7	495	495	0
354	5658350	5797950	139600
355	5585281	5674782	89501
467	217069	238173	21104
468	196061	196061	0
471	1139728	1190339	50611
473	8304	8304	0
474	1659989	1707013	47024
505	3869	3869	0
512	1600621	1625877	25256
4054	3515205	3513200	-2005
5005	43791	43791	0
5006	250105	294941	44836
5061	159886	158685	-1201
5062	81916	69818	-12098
5077	457518	607777	150259
10003	41374	41374	0

Turbidity

Table 30: Number of data entries by program - Turbidity

ProgramID	*nOld*	*nNew*	*difference*
7	142	142	0
354	5338245	5453551	115306
355	5166300	5254904	88604
467	224149	250273	26124
468	156660	156660	0
471	829999	872754	42755
473	8263	8263	0
474	1377225	1426676	49451
505	2349	2342	-7
512	1353309	1378562	25253
4054	3420084	3398820	-21264
5005	39124	39124	0
5006	241421	286204	44783
5061	141556	143714	2158
5077	471603	622713	151110
10003	41169	41169	0

Water Temperature

Table 31: Number of data entries by program - Water Temperature

ProgramID	*nOld*	*nNew*	*difference*
2	86204	86204	0
5	1236374	1266969	30595
5	1612286	1345937	-266349
5	3576024	3345612	-230412
7	5705	5705	0
7	3910	3949	39
7	12740	12988	248
7	496	496	0
296	3987025	3987025	0
354	5826741	5966557	139816
355	5723327	5856019	132692
467	236813	262942	26129
468	217594	217594	0
471	1163533	1214944	51411
473	8305	8305	0
474	1795754	1848151	52397
505	3870	3870	0
512	1653946	1679236	25290
899	922737	922737	0
986	8755600	8755600	0
989	1824357	1824357	0
4054	3696053	3696052	-1
5005	43791	43791	0
5006	250109	294991	44882
5061	162181	164583	2402
5062	81916	70946	-10970
5077	488333	644711	156378

10003	41374	41374	0

Species

Overview

Table 32: Comparison of New vs. Old data exports - (Species)

habitat	*oldFile*	*newFile*	*nDataOld*	*nDataNew*	*difference*
CORAL	2024-Jan-10	2024-Feb-23	8619609	8652934	33325
CW	2024-Jan-10	2024-Feb-23	35821	35821	0
NEKTON	2024-Jan-10	2024-Feb-23	4090726	4096752	6026
Oyster	2024-Jan-10	2024-Feb-23	815430	816532	1102
SAV	2024-Jan-10	2024-Feb-23	4703234	4629966	-73268

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:

SAV

Programs in old export: (n=22)
296, 556, 557, 558, 559, 560, 564, 565, 570, 571, 572, 965, 978, 997, 3013, 3015, 3016, 3017, 4018, 4049, 4065, 5027
Programs in new export: (n=24)
296, 556, 557, 558, 559, 560, 564, 565, 568, 570, 571, 572, 965, 978, 997, 3013, 3015, 3016, 3017, 4018, 4049, 4065, 5027, 10001

Differences in Program data between exports

CORAL

Table 33: Number of data entries by program - Colony Height

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
136	Colony Height	15000	15000	0
169	Colony Height	85265	85265	0
981	Colony Height	136060	136060	0
3022	Colony Height	27399	36933	9534
4019	Colony Height	5589	5589	0
5040	Colony Height	1342	1342	0

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

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
136	Colony Length	15013	15013	0
5040	Colony Length	1342	1342	0

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

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
136	Colony Width	15000	15000	0
981	Colony Width	136093	136093	0
3022	Colony Width	27447	36897	9450
4019	Colony Width	5589	5589	0
5040	Colony Width	1342	1342	0

Table 36: Number of data entries by program - Count

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
136	Count	46380	46380	0
3021	Count	384	384	0
3022	Count	1390	1696	306
3024	Count	210163	210163	0

Table 37: Number of data entries by program - Percent Live Tissue

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
136	Percent Live Tissue	16029	16029	0
5040	Percent Live Tissue	1342	1342	0

Table 38: Number of data entries by program - Presence/Absence

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
136	Presence/Absence	13910	13910	0
295	Presence/Absence	95	95	0
379	Presence/Absence	4184	4184	0
915	Presence/Absence	5809031	5809031	0
965	Presence/Absence	1067461	1067461	0
981	Presence/Absence	136096	136096	0
3021	Presence/Absence	384	384	0
3024	Presence/Absence	249403	249403	0
4018	Presence/Absence	52541	52541	0
4019	Presence/Absence	5589	5589	0
5027	Presence/Absence	8942	8942	0
5042	Presence/Absence	2394	2394	0

Table 39: Number of data entries by program - Colony Density

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
169	Colony Density	34155	34155	0
4019	Colony Density	540	540	0
5042	Colony Density	2394	2394	0

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

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
169	Colony Diameter	84711	84711	0
3022	Colony Diameter	27687	37224	9537

Table 41: Number of data entries by program - Percent Cover

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
169	Percent Cover	146265	146265	0
295	Percent Cover	184196	184442	246
3022	Percent Cover	13606	17858	4252
3024	Percent Cover	12100	12100	0
4018	Percent Cover	1909	1909	0
5027	Percent Cover	13847	13847	0

CW

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

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
620	Percent Cover	32	32	0
651	Percent Cover	3423	3423	0
906	Percent Cover	810	810	0
3029	Percent Cover	67	67	0
4017	Percent Cover	20595	20595	0

5009	Percent Cover	5826	5826	0
5015	Percent Cover	70	70	0

Table 43: Number of data entries by program - Stem Density

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
651	Stem Density	27	27	0
906	Stem Density	92	92	0
3029	Stem Density	151	151	0
4017	Stem Density	2014	2014	0
5009	Stem Density	2350	2350	0
5015	Stem Density	214	214	0

Table 44: Number of data entries by program - Total/Canopy Percent Cover

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
3029	Total/Canopy Percent Cover	150	150	0

NEKTON

Table 45: Number of data entries by program - Count

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
69	Count	114416	114416	0
129	Count	153081	156109	3028
4043	Count	592315	592315	0

Table 46: Number of data entries by program - Presence/Absence

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
69	Presence/Absence	114416	114416	0
129	Presence/Absence	152810	155808	2998
4043	Presence/Absence	590790	590790	0

Table 47: Number of data entries by program - Standard Length

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
69	Standard Length	2372898	2372898	0

Oyster

Table 48: Number of data entries by program - Shell Height

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
4000	Shell Height	86520	86520	0
4012	Shell Height	5464	5464	0
4014	Shell Height	6813	6813	0
4016	Shell Height	2202	2790	588
4020	Shell Height	3598	3598	0
4042	Shell Height	4961	4961	0
4044	Shell Height	39762	39762	0
5007	Shell Height	74416	74416	0
5017	Shell Height	12162	12162	0
5035	Shell Height	32733	32733	0
5063	Shell Height	1420	1420	0
5070	Shell Height	3527	3527	0
5071	Shell Height	153	153	0
5072	Shell Height	1673	1673	0
5073	Shell Height	898	898	0
5074	Shell Height	150	150	0
5075	Shell Height	403	403	0
10002	Shell Height	497026	497026	0

Table 49: Number of data entries by program - Density

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
972	Density	396	396	0
4000	Density	1179	1179	0
4012	Density	120	120	0
4014	Density	161	161	0
4020	Density	70	70	0
4042	Density	65	65	0
4044	Density	3418	3418	0
5007	Density	1620	1620	0
5017	Density	372	372	0
5063	Density	250	250	0
5073	Density	349	349	0
5074	Density	6	6	0
5075	Density	12	12	0

Table 50: Number of data entries by program - Number of Oysters Counted - Total

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
972	Number of Oysters Counted - Total	396	396	0
4000	Number of Oysters Counted - Total	1179	1179	0
4012	Number of Oysters Counted - Total	126	126	0
4014	Number of Oysters Counted - Total	13	13	0
4016	Number of Oysters Counted - Total	473	593	120
4042	Number of Oysters Counted - Total	193	193	0
4044	Number of Oysters Counted - Total	3418	3418	0
5007	Number of Oysters Counted - Total	1620	1620	0
5063	Number of Oysters Counted - Total	250	250	0

5073	Number of Oysters Counted - Total	146	146	0
5074	Number of Oysters Counted - Total	12	12	0
5075	Number of Oysters Counted - Total	12	12	0

Table 51: Number of data entries by program - Percent Live

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
972	Percent Live	387	387	0
4000	Percent Live	2435	2435	0
4012	Percent Live	98	98	0
4014	Percent Live	174	174	0
4016	Percent Live	473	593	120
4020	Percent Live	70	70	0
4042	Percent Live	49	49	0
4044	Percent Live	2376	2376	0
5007	Percent Live	1415	1415	0
5010	Percent Live	376	376	0
5017	Percent Live	433	433	0
5035	Percent Live	8	8	0
5074	Percent Live	12	12	0

Table 52: Number of data entries by program - Reef Height

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
4000	Reef Height	1933	1933	0
4012	Reef Height	185	185	0
4016	Reef Height	104	138	34
4020	Reef Height	90	90	0
4042	Reef Height	50	50	0
5010	Reef Height	90	90	0
5017	Reef Height	414	414	0
5035	Reef Height	8	8	0
5075	Reef Height	18	18	0

Table 53: Number of data entries by program - Number of Oysters Counted - Dead

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
972	Number of Oysters Counted - Dead	396	396	0
4012	Number of Oysters Counted - Dead	126	126	0
4014	Number of Oysters Counted - Dead	13	13	0
4016	Number of Oysters Counted - Dead	473	593	120
4042	Number of Oysters Counted - Dead	193	193	0
4044	Number of Oysters Counted - Dead	3418	3418	0
5007	Number of Oysters Counted - Dead	1620	1620	0
5063	Number of Oysters Counted - Dead	250	250	0
5073	Number of Oysters Counted - Dead	298	298	0
5074	Number of Oysters Counted - Dead	6	6	0

5075	Number of Oysters Counted - Dead	12	12	0

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

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
972	Number of Oysters Counted - Live	396	396	0
4012	Number of Oysters Counted - Live	587	587	0
4014	Number of Oysters Counted - Live	14	14	0
4016	Number of Oysters Counted - Live	473	593	120
4042	Number of Oysters Counted - Live	193	193	0
4044	Number of Oysters Counted - Live	3418	3418	0
5007	Number of Oysters Counted - Live	1620	1620	0
5017	Number of Oysters Counted - Live	372	372	0
5063	Number of Oysters Counted - Live	250	250	0
5073	Number of Oysters Counted - Live	349	349	0
5074	Number of Oysters Counted - Live	6	6	0
5075	Number of Oysters Counted - Live	12	12	0

SAV

Table 55: Number of data entries by program - Braun Blanquet Score

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
296	Braun Blanquet Score	10972	10972	0
557	Braun Blanquet Score	2697	2697	0
565	Braun Blanquet Score	30210	30210	0
570	Braun Blanquet Score	19374	19374	0
571	Braun Blanquet Score	4492	4492	0
965	Braun Blanquet Score	920168	880266	-39902
997	Braun Blanquet Score	992	992	0
3016	Braun Blanquet Score	574	574	0
4018	Braun Blanquet Score	50855	50855	0
4049	Braun Blanquet Score	303750	303750	0
4065	Braun Blanquet Score	4265	5139	874
5027	Braun Blanquet Score	37707	37707	0

Table 56: Number of data entries by program - Presence/Absence

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
296	Presence/Absence	10964	10964	0
556	Presence/Absence	1652	1652	0
557	Presence/Absence	2683	2683	0
558	Presence/Absence	4485	4485	0
559	Presence/Absence	665	665	0
560	Presence/Absence	29415	30072	657
564	Presence/Absence	10075	10075	0
565	Presence/Absence	30185	30185	0

570	Presence/Absence	19398	19398	0
571	Presence/Absence	4495	4495	0
572	Presence/Absence	2884	2884	0
965	Presence/Absence	881737	869330	-12407
978	Presence/Absence	60	60	0
997	Presence/Absence	1028	1028	0
3013	Presence/Absence	579364	602335	22971
3015	Presence/Absence	3724	3724	0
3016	Presence/Absence	574	574	0
3017	Presence/Absence	72838	72838	0
4018	Presence/Absence	58460	58460	0
4049	Presence/Absence	303750	303750	0
4065	Presence/Absence	4038	4923	885
5027	Presence/Absence	37434	37434	0

Table 57: Number of data entries by program - Percent Cover

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
556	Percent Cover	1652	1652	0
558	Percent Cover	4485	4485	0
564	Percent Cover	10172	10172	0
572	Percent Cover	2884	2884	0
997	Percent Cover	1032	1032	0
3013	Percent Cover	444469	463145	18676
4018	Percent Cover	1909	1909	0
5027	Percent Cover	35275	35275	0

Table 58: Number of data entries by program - Percent Occurrence

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
3013	Percent Occurrence	521508	542419	20911
3015	Percent Occurrence	3724	3724	0
3017	Percent Occurrence	72839	72839	0

Table 59: Number of data entries by program - Modified Braun Blanquet Score

ProgramID	*ParameterName*	*nOld*	*nNew*	*difference*
559	Modified Braun Blanquet Score	665	665	0
560	Modified Braun Blanquet Score	29428	43215	13787
978	Modified Braun Blanquet Score	115	115	0