Export Comparison QAQC Report

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

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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)

parameter	oldFile	newFile	nDataOld	nDataNew	difference
Ammonia, Un-ionized (NH3)	2024-Feb-22	2024-Mar-27	523	523	0
Chlorophyll a, Corrected for Pheophytin	2024-Feb-22	2024-Mar-27	42611	42653	42
Chlorophyll a, Uncorrected for Pheophytin	2024-Feb-22	2024-Mar-27	79170	78662	-508
Colored Dissolved Organic Matter	2024-Feb-22	2024-Mar-27	21876	21876	0
Dissolved Oxygen	2024-Feb-22	2024-Mar-27	765911	766754	843
Dissolved Oxygen Saturation	2024-Feb-22	2024-Mar-27	140858	142189	1331
Light Extinction Coefficient	2024-Feb-22	2024-Mar-27	15548	15548	0
Ammonium, Filtered (NH4)	2024-Feb-22	2024-Mar-27	123368	123368	0
Nitrate (NO3)	2024-Feb-22	2024-Mar-27	19749	19749	0
Nitrite (NO2)	2024-Feb-22	2024-Mar-27	31643	31643	0
Nitrogen, organic	2024-Feb-22	2024-Mar-27	7524	7524	0
NO2+3, Filtered	2024-Feb-22	2024-Mar-27	137185	137185	0
pH	2024-Feb-22	2024-Mar-27	599548	599666	118
Phosphate, Filtered (PO4)	2024-Feb-22	2024-Mar-27	61140	61140	0
Salinity	2024-Feb-22	2024-Mar-27	762919	763682	763
Secchi Depth	2024-Feb-22	2024-Mar-27	281274	281261	-13
Specific Conductivity	2024-Feb-22	2024-Mar-27	392313	392379	66
Total Kjeldahl Nitrogen	2024-Feb-22	2024-Mar-27	94063	94063	0
Total Nitrogen	2024-Feb-22	2024-Mar-27	126533	126572	39
Total Phosphorus	2024-Feb-22	2024-Mar-27	136416	136458	42
Total Suspended Solids	2024-Feb-22	2024-Mar-27	70856	70856	0
Turbidity	2024-Feb-22	2024-Mar-27	288933	288991	58
Water Temperature	2024-Feb-22	2024-Mar-27	814152	814979	827

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 Saturation

Programs in old export: (n=30)
62, 95, 102, 129, 297, 303, 354, 355, 470, 476, 477, 505, 513, 537, 540, 558, 572, 3001, 3013, 4042, 4044, 4054, 4064, 4067, 5002, 5008, 5014, 5026, 5028, 10000
Programs in new export: (n=31)
60, 62, 95, 102, 129, 297, 303, 354, 355, 470, 476, 477, 505, 513, 537, 540, 558, 572, 3001, 3013, 4042, 4044, 4054, 4064, 4067, 5002, 5008, 5014, 5026, 5028, 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	1353	1353	0
303	607	607	0
355	5366	5366	0
470	676	676	0
476	1401	1401	0
477	125	125	0
479	287	287	0
505	168	168	0
513	905	905	0
514	1098	1140	42
537	32	32	0
540	468	468	0
4054	5836	5836	0
4063	61	61	0
5002	18470	18470	0
5014	619	619	0
5026	287	287	0
5028	681	681	0
5033	1200	1200	0
10000	2179	2179	0

Chlorophyll a, Uncorrected for Pheophytin

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

ProgramID	nOld	nNew	difference
3	3879	3879	0
60	876	366	-510
95	1888	1888	0
103	4780	4780	0
115	69	69	0
118	109	109	0
297	15194	15194	0
354	4122	4122	0

355	1737	1737	0
470	534	534	0
476	1316	1316	0
477	127	127	0
479	1835	1835	0
509	6172	6172	0
514	3089	9770	6681
537	223	41	-182
540	458	458	0
4054	4421	4421	0
5002	23017	16520	-6497
5008	10	10	0
5014	677	677	0
5026	410	410	0
5028	250	250	0
5058	268	268	0
10000	2783	2783	0

Colored Dissolved Organic Matter

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

ProgramID	nOld	nNew	difference
3	467	467	0
103	1294	1294	0
476	1081	1081	0
477	158	158	0
479	3262	3262	0
513	608	608	0
514	3646	3646	0
537	17	17	0
540	374	374	0
4054	1328	1328	0
4063	60	60	0
5002	7032	7032	0
5008	2001	2001	0
5014	7	7	0
10000	462	462	0

Dissolved Oxygen

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

ProgramID	nOld	nNew	difference
60	946	1657	711
62	1182	1182	0
69	224758	224802	44
95	14461	14442	-19
102	46	46	0
103	23938	23938	0

115	322	319	-3
118	546	549	3
119	14	14	0
129	3933	3933	0
297	31133	31133	0
303	68	68	0
354	1224	1224	0
355	2464	2464	0
469	985	985	0
470	232	232	0
476	912	912	0
477	151	151	0
479	19874	19874	0
505	184	184	0
509	12158	12158	0
513	418	418	0
537	266	266	0
540	393	393	0
557	841	841	0
560	2104	2104	0
572	27	27	0
899	93	93	0
3000	379	386	7
3001	12367	12374	7
3013	2283	2283	0
4042	46	46	0
4043	2972	2972	0
4044	232	290	58
4049	1089	1152	63
4054	2792	2792	0
4057	225	225	0
4058	1834	1834	0
4064	619	619	0
4065	314	314	0
4067	17489	17489	0
5002	365919	365953	34
5008	2010	2010	0
5014	275	275	0
5026	1008	1008	0
5028	124	124	0
5058	264	266	2
5071	4	4	0
10000	6074	6073	-1

Dissolved Oxygen Saturation

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

ProgramID	nOld	nNew	difference
62	960	960	0
95	1497	1498	1
102	333	333	0

129	3933	3933	0
297	25419	25419	0
303	462	462	0
354	1118	1118	0
355	2464	2464	0
470	2	2	0
476	767	767	0
477	151	151	0
505	175	175	0
513	388	388	0
537	264	264	0
540	3	3	0
558	37	37	0
572	27	27	0
3001	12279	12290	11
3013	1160	1160	0
4042	37	37	0
4044	232	290	58
4054	4	4	0
4064	619	619	0
4067	17030	17030	0
5002	61491	61516	25
5008	2010	2010	0
5014	254	254	0
5026	417	417	0
5028	138	138	0
10000	5764	5763	-1

Light Extinction Coefficient

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

ProgramID	nOld	nNew	difference
3	323	323	0
297	10401	10401	0
479	1252	1252	0
509	491	491	0
4064	619	619	0
5002	2328	2328	0
5058	133	133	0

Ammonium, Filtered (NH4)

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

ProgramID	nOld	nNew	difference
3	2780	2780	0
103	43	43	0
115	64	64	0

297	24597	24597	0
303	378	378	0
354	3811	3811	0
355	5174	5174	0
470	171	171	0
477	159	159	0
479	3145	3145	0
505	119	119	0
509	6193	6193	0
513	723	723	0
4054	5727	5727	0
4063	62	62	0
5002	57603	57603	0
5014	592	592	0
5026	608	608	0
5028	177	177	0
5033	8370	8370	0
5058	268	268	0
10000	419	419	0

Nitrate (NO3)

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

ProgramID	nOld	nNew	difference
303	8	8	0
354	1976	1976	0
513	25	25	0
4063	2	2	0
5002	9235	9235	0
5033	8367	8367	0

Nitrite (NO2)

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

ProgramID	nOld	nNew	difference
297	4380	4380	0
303	7	7	0
354	2180	2180	0
479	301	301	0
513	548	548	0
4054	1646	1646	0
4063	63	63	0
5002	11709	11709	0
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	7121	7121	0

NO2+3, Filtered

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

ProgramID	nOld	nNew	difference
3	2521	2521	0
115	61	61	0
297	19207	19207	0
303	405	405	0
354	3081	3081	0
355	4713	4713	0
470	450	450	0
476	4195	4195	0
477	159	159	0
479	3071	3071	0
505	102	102	0
509	6215	6215	0
513	1933	1933	0
540	464	464	0
4054	5422	5422	0
4058	1859	1859	0
4063	58	58	0
5002	65647	65647	0
5014	560	560	0
5026	972	972	0
5028	739	739	0
5033	8371	8371	0
5058	268	268	0
10000	3145	3145	0

pH

Table 14: Number of data entries by program - pH

ProgramID	nOld	nNew	difference
3	21	21	0
69	223786	223773	-13
95	12206	12217	11
103	13818	13818	0
115	316	319	3
118	340	340	0
129	2201	2201	0
297	36	36	0
303	402	402	0
354	884	884	0
355	1284	1284	0

469	987	987	0
470	234	234	0
476	939	939	0
477	155	155	0
479	17481	17481	0
509	3472	3472	0
513	418	418	0
537	266	266	0
540	345	345	0
557	693	693	0
558	218	218	0
560	1841	1841	0
899	88	88	0
3000	331	331	0
3001	11783	11783	0
3013	2271	2271	0
4042	40	40	0
4044	232	290	58
4049	1202	1265	63
4054	2763	2763	0
4057	228	228	0
4058	1877	1877	0
4065	314	314	0
4067	13653	13653	0
5002	269145	269141	-4
5008	2004	2004	0
5014	283	283	0
5026	1015	1015	0
5028	182	182	0
10000	5828	5828	0

Phosphate, Filtered (PO4)

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

ProgramID	nOld	nNew	difference
3	4006	4006	0
103	48	48	0
115	63	63	0
354	4108	4108	0
355	3175	3176	1
479	2075	2075	0
505	102	102	0
513	1624	1624	0
3000	381	381	0
4054	4171	4171	0
5002	36205	36205	0
10000	1962	1962	0

Salinity

Table 16: Number of data entries by program - Salinity

ProgramID	nOld	nNew	difference
3	4287	4287	0
60	946	1589	643
62	1142	1142	0
69	225612	226532	920
95	25919	25921	2
102	382	383	1
103	196	196	0
115	325	324	-1
118	535	535	0
119	12	14	2
129	3884	3888	4
297	30806	30806	0
303	488	488	0
354	1282	1282	0
355	2478	2501	23
456	134	134	0
469	987	987	0
470	2	2	0
476	965	965	0
477	134	135	1
479	19917	19917	0
505	188	188	0
509	12034	12034	0
513	300	300	0
537	264	264	0
540	424	424	0
557	864	864	0
558	390	390	0
560	2129	2129	0
572	31	31	0
899	82	82	0
965	4157	4157	0
3000	382	388	6
3001	12277	12345	68
3013	2346	2346	0
3016	49	81	32
4042	46	46	0
4043	3040	3042	2
4044	232	290	58
4049	1291	1354	63
4054	3256	3307	51
4057	230	230	0
4058	1869	1869	0
4064	619	619	0
4065	314	314	0
4067	12514	12523	9
5002	373770	373901	131
5014	283	283	0
5026	433	434	1
5028	182	182	0

ProgramID	nOld	nNew	difference
5058	264	266	2
5071	4	4	0
10000	5531	5531	0

Secchi Depth

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

ProgramID	nOld	nNew	difference
60	54	42	-12
69	215520	215520	0
103	2973	2973	0
115	88	88	0
118	70	70	0
129	1966	1966	0
303	4	4	0
355	952	952	0
469	516	516	0
470	298	298	0
476	961	961	0
477	155	155	0
479	8546	8546	0
513	155	155	0
514	9215	9257	42
537	217	217	0
557	508	508	0
558	519	519	0
560	333	333	0
572	9	9	0
3000	143	143	0
3001	8308	8308	0
3013	2265	2265	0
3016	50	50	0
4049	359	317	-42
4054	936	936	0
4065	318	318	0
5002	16146	16145	-1
5008	1005	1005	0
5014	240	240	0
5026	425	425	0
5028	64	64	0
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	201662	201682	20
95	2799	2789	-10

102	297	297	0
103	10667	10667	0
115	65	65	0
119	14	14	0
354	425	425	0
355	628	628	0
470	232	232	0
477	312	312	0
479	15142	15142	0
513	418	418	0
514	285	285	0
537	219	219	0
540	5	5	0
558	391	391	0
572	27	27	0
3000	2	2	0
3013	2290	2290	0
4042	37	37	0
4044	230	288	58
4054	955	955	0
4058	1873	1873	0
4067	13400	13400	0
5002	105219	105218	-1
5008	2010	2010	0
5014	283	283	0
5026	574	574	0
5028	5	5	0
10000	6094	6093	-1

Total Kjeldahl Nitrogen

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

ProgramID	nOld	nNew	difference
103	221	221	0
303	416	416	0
354	170	170	0
355	766	766	0
470	477	477	0
476	1490	1490	0
477	159	159	0
479	2822	2822	0
513	1074	1074	0
540	469	469	0
4054	2315	2315	0
4058	1832	1832	0
4063	61	61	0
5002	65531	65531	0
5014	1234	1234	0
5026	981	981	0
5028	725	725	0
5033	8364	8364	0

10000	2494	2494	0

Total Nitrogen

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

ProgramID	nOld	nNew	difference
103	532	532	0
115	64	64	0
118	43	43	0
297	25177	25177	0
303	418	418	0
354	630	630	0
355	584	584	0
470	426	426	0
476	1445	1445	0
477	1	1	0
479	8195	8195	0
505	42	42	0
509	6212	6212	0
513	739	739	0
514	10343	10385	42
537	231	231	0
540	468	468	0
4054	2833	2833	0
4058	1831	1831	0
4063	58	58	0
5002	60277	60269	-8
5008	21	21	0
5014	551	551	0
5026	936	941	5
5028	724	724	0
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	5666	5666	0
115	64	64	0
118	15	15	0
297	24990	24990	0
303	403	403	0
354	796	796	0
355	771	771	0
470	437	437	0
476	1723	1723	0
477	159	159	0
479	8183	8183	0

505	39	39	0
509	6187	6187	0
513	1095	1095	0
514	10366	10408	42
537	223	223	0
540	460	460	0
4054	4235	4235	0
4058	1815	1815	0
4063	61	61	0
5002	52986	52986	0
5008	21	21	0
5014	620	620	0
5026	974	974	0
5028	731	731	0
5033	8365	8365	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	578	578	0
103	3614	3614	0
354	18	18	0
355	753	753	0
470	230	230	0
476	8	8	0
477	20	20	0
479	3370	3370	0
505	78	78	0
513	1049	1049	0
4054	3551	3551	0
4063	62	62	0
5002	42836	42836	0
5014	139	139	0
5026	1381	1381	0
5033	8993	8993	0
10000	3004	3004	0

Turbidity

Table 23: Number of data entries by program - Turbidity

ProgramID	nOld	nNew	difference
95	398	398	0
103	19539	19539	0
129	2253	2253	0
297	25746	25746	0

303	473	473	0
354	734	734	0
355	1831	1831	0
469	299	299	0
470	161	161	0
476	1474	1474	0
477	308	308	0
479	4887	4887	0
505	74	74	0
509	6178	6178	0
513	699	699	0
537	263	263	0
540	99	99	0
572	4	4	0
965	2076	2076	0
3000	379	379	0
3013	1699	1699	0
4042	45	45	0
4044	56	114	58
4054	2575	2575	0
4058	1869	1869	0
4063	52	52	0
5002	201835	201835	0
5014	139	139	0
5026	410	410	0
5033	8370	8370	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	655	655	0
60	946	1643	697
62	1182	1182	0
69	226864	226902	38
95	25144	25120	-24
102	366	366	0
103	25242	25242	0
115	325	322	-3
118	377	377	0
119	13	13	0
129	3887	3887	0
297	30766	30766	0
303	473	473	0
354	1281	1281	0
355	2484	2484	0
456	133	133	0
469	988	988	0
470	235	235	0
476	986	986	0

477	156	156	0
479	18398	18398	0
505	188	188	0
509	12044	12044	0
513	418	418	0
537	266	266	0
540	434	434	0
557	866	866	0
558	416	416	0
560	2129	2129	0
572	30	30	0
899	85	85	0
965	4157	4157	0
982	916	916	0
3000	379	379	0
3001	12404	12404	0
3013	2336	2336	0
3016	49	49	0
4042	46	46	0
4043	3036	3036	0
4044	224	282	58
4049	1291	1354	63
4054	2877	2877	0
4057	227	227	0
4058	1866	1866	0
4064	619	619	0
4065	314	314	0
4067	16093	16093	0
5002	398415	398413	-2
5008	2010	2010	0
5014	283	283	0
5026	1016	1016	0
5028	171	171	0
5058	264	264	0
5071	4	4	0
10000	4010	4010	0

Continuous WQ

Overview

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

parameter	region	oldFile	newFile	nDataOld	nDataNew	difference	pctChange
Dissolved Oxygen	NW	2024-Feb-22	2024-Mar-23	4244381	4251730	7349	0.17
Dissolved Oxygen	NE	2024-Feb-22	2024-Mar-23	2873427	2874036	609	0.02
Dissolved Oxygen	SW	2024-Feb-23	2024-Mar-23	5582473	5584165	1692	0.03
Dissolved Oxygen	SE	2024-Feb-22	2024-Mar-23	613852	613852	0	0.00
Dissolved Oxygen Saturation	NW	2024-Feb-22	2024-Mar-23	4271834	4272271	437	0.01
Dissolved Oxygen Saturation	NE	2024-Feb-22	2024-Mar-23	2899035	2899067	32	0.00
Dissolved Oxygen Saturation	SW	2024-Feb-22	2024-Mar-23	5620419	5620446	27	0.00
Dissolved Oxygen Saturation	SE	2024-Feb-22	2024-Mar-23	617484	617484	0	0.00
pH	NW	2024-Feb-22	2024-Mar-23	4480608	4484896	4288	0.10
pH	NE	2024-Feb-22	2024-Mar-23	2824312	2824312	0	0.00
pH	SW	2024-Feb-23	2024-Mar-23	5986568	5987578	1010	0.02
pH	SE	2024-Feb-22	2024-Mar-23	615939	615939	0	0.00
Salinity	NW	2024-Feb-22	2024-Mar-23	4817388	4841665	24277	0.50
Salinity	NE	2024-Feb-22	2024-Mar-23	2907497	2922861	15364	0.53
Salinity	SW	2024-Feb-23	2024-Mar-23	6280894	6308474	27580	0.44
Salinity	SE	2024-Feb-22	2024-Mar-23	694311	695491	1180	0.17
Turbidity	NW	2024-Feb-22	2024-Mar-23	4262308	4276280	13972	0.33
Turbidity	NE	2024-Feb-22	2024-Mar-23	2775161	2784663	9502	0.34
Turbidity	SW	2024-Feb-22	2024-Mar-23	5568132	5581599	13467	0.24
Turbidity	SE	2024-Feb-22	2024-Mar-23	622713	622713	0	0.00
Water Temperature	NW	2024-Feb-22	2024-Mar-23	6276525	6295910	19385	0.31
Water Temperature	NE	2024-Feb-22	2024-Mar-23	3039731	3057038	17307	0.57
Water Temperature	SW	2024-Feb-23	2024-Mar-23	7906815	7938189	31374	0.40
Water Temperature	SE	2024-Feb-22	2024-Mar-23	19502995	19504308	1313	0.01

Differences in Program data between exports

Dissolved Oxygen

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

ProgramID	nOld	nNew	difference
7	4862	9132	4270
7	120	689	569
7	188	1302	1114
354	2571740	2572318	578
355	3058205	3061283	3078
467	221521	221521	0
468	177846	177846	0
471	778154	778154	0
473	8153	8153	0
474	1429985	1429985	0
505	3793	3794	1
512	1572407	1572407	0
4054	2345903	2345905	2
5005	39746	39746	0
5006	283080	283080	0
5061	164086	164124	38
5077	613852	613852	0
10003	40492	40492	0

Dissolved Oxygen Saturation

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

ProgramID	nOld	nNew	difference
354	2597069	2597096	27
355	3066206	3066642	436
467	227789	227789	0
468	193941	193941	0
471	780151	780151	0
473	8153	8153	0
474	1443830	1443830	0
505	3747	3748	1
512	1571367	1571367	0
4054	2364299	2364299	0
5005	39746	39746	0
5006	283113	283113	0
5061	171385	171417	32
5077	617484	617484	0
10003	40492	40492	0

pH

Table 28: Number of data entries by program - pH

ProgramID	nOld	nNew	difference
7	4521	8809	4288
7	154	1164	1010
354	2827053	2827053	0
355	3100533	3100533	0
467	236519	236519	0
468	199162	199162	0
471	938733	938733	0
473	8306	8306	0
474	1678153	1678153	0
505	1140	1140	0
512	1472902	1472902	0
4054	2294634	2294634	0
5005	38184	38184	0
5006	286234	286234	0
5061	163886	163886	0
5077	615939	615939	0
10003	41374	41374	0

Salinity

Table 29: Number of data entries by program - Salinity

ProgramID	nOld	nNew	difference
2	86204	86204	0
7	123	634	511
7	3339	17692	14353
7	6502	33978	27476
7	330	1510	1180
354	2933198	2933302	104
355	3188823	3212589	23766
467	238173	238173	0
468	196061	196061	0
471	1190339	1190339	0
473	8304	8304	0
474	1707013	1707013	0
505	3869	3869	0
512	1625877	1625877	0
4054	2330458	2331460	1002
5005	43791	43791	0
5006	294941	294941	0
5061	158685	158685	0
5062	34909	34918	9
5077	607777	607777	0
10003	41374	41374	0

Turbidity

Table 30: Number of data entries by program - Turbidity

ProgramID	nOld	nNew	difference
7	142	1174	1032
354	2754489	2766924	12435
355	2980279	2994251	13972
467	250273	250273	0
468	156660	156660	0
471	872754	872754	0
473	8263	8263	0
474	1426676	1426676	0
505	2342	2342	0
512	1378562	1378562	0
4054	2264950	2274403	9453
5005	39124	39124	0
5006	286204	286204	0
5061	143714	143763	49
5077	622713	622713	0
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	1266969	1266969	0
5	1345937	1345937	0
5	3345612	3345612	0
7	5705	25090	19385
7	3949	21256	17307
7	7422	38796	31374
7	331	1644	1313
296	3987025	3987025	0
354	3017764	3017764	0
355	3304501	3304501	0
467	262942	262942	0
468	217594	217594	0
471	1214944	1214944	0
473	8305	8305	0
474	1848151	1848151	0
505	3870	3870	0
512	1679236	1679236	0
899	922737	922737	0
986	8692018	8692018	0
989	1824357	1824357	0
4054	2455570	2455570	0
5005	43791	43791	0
5006	294991	294991	0
5061	164583	164583	0
5062	35473	35473	0
5077	644711	644711	0

10003	41374	41374	0

Species

Overview

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

habitat	oldFile	newFile	nDataOld	nDataNew	difference
Coral	2024-Feb-23	2024-Mar-28	8460697	8467008	6311
CW	2024-Feb-23	2024-Mar-27	23508	23508	0
Nekton	2024-Feb-23	2024-Mar-27	2981245	2981245	0
Oyster	2024-Feb-23	2024-Mar-27	571216	574603	3387
SAV	2024-Feb-23	2024-Mar-29	4321684	4361842	40158

Differences in Program data between exports

Coral

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
136	Colony Height	15000	16258	1258	NA
169	Colony Height	72588	72657	69	NA
981	Colony Height	135707	135707	0	NA
3022	Colony Height	36857	36860	3	NA
4019	Colony Height	5589	5589	0	NA
5040	Colony Height	1341	1342	1	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
136	Colony Length	15013	16271	1258	NA
5040	Colony Length	1342	1342	0	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
136	Colony Width	15000	16259	1259	NA
981	Colony Width	135740	135740	0	NA
3022	Colony Width	36823	36824	1	NA
4019	Colony Width	5589	5589	0	NA
5040	Colony Width	1342	1342	0	NA

Table 36: Number of data entries by program - Count

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
136	Count	13910	47791	33881	NA
3021	Count	214	384	170	NA
3022	Count	168	1687	1519	NA
3024	Count	72358	210163	137805	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
136	Percent Live Tissue	14963	17388	2425	NA
5040	Percent Live Tissue	1341	1341	0	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
136	Presence/Absence	13910	13676	-234	NA
295	Presence/Absence	95	95	0	NA
379	Presence/Absence	4113	4113	0	NA
915	Presence/Absence	5779270	5779270	0	NA
965	Presence/Absence	918359	918359	0	NA
981	Presence/Absence	135743	135743	0	NA
3021	Presence/Absence	384	384	0	NA
3024	Presence/Absence	249403	249403	0	NA
4018	Presence/Absence	42923	42923	0	NA
4019	Presence/Absence	5589	5589	0	NA
5027	Presence/Absence	8942	8942	0	NA
5042	Presence/Absence	2394	2394	0	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
169	Colony Density	7475	34045	26570	NA
4019	Colony Density	540	540	0	NA
5042	Colony Density	886	2394	1508	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
169	Colony Diameter	79707	80043	336	NA
3022	Colony Diameter	37151	37151	0	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
169	Percent Cover	9013	145775	136762	NA
295	Percent Cover	33627	183362	149735	NA
3022	Percent Cover	17789	17789	0	NA
3024	Percent Cover	350	12100	11750	NA
4018	Percent Cover	1476	1477	1	NA
5027	Percent Cover	7793	13847	6054	NA

CW

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
620	Percent Cover	32	32	0	NA
651	Percent Cover	2567	2567	0	NA
906	Percent Cover	810	810	0	NA
3029	Percent Cover	43	67	24	NA
4017	Percent Cover	6365	13812	7447	NA

5009	Percent Cover	2911	2913	2	NA
5015	Percent Cover	70	70	0	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
651	Stem Density	19	19	0	NA
906	Stem Density	71	71	0	NA
3029	Stem Density	142	151	9	NA
4017	Stem Density	644	1457	813	NA
5009	Stem Density	1113	1175	62	NA
5015	Stem Density	73	214	141	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
3029	Total/Canopy Percent Cover	118	150	32	NA

Nekton

Table 45: Number of data entries by program - Count

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
69	Count	90326	90457	131	NA
129	Count	82731	82812	81	NA
4043	Count	29255	296540	267285	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
69	Presence/Absence	90457	90457	0	NA
129	Presence/Absence	82659	82659	0	NA
4043	Presence/Absence	295777	295777	0	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
69	Standard Length	2042542	2042542	0	NA

Oyster

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
4000	Shell Height	60458	60458	0	0.06
4012	Shell Height	2994	3811	817	0.06
4012	Shell Height	1607	1608	1	0.25
4012	Shell Height	41	45	4	1.00
4014	Shell Height	6813	6813	0	0.25
4016	Shell Height	2783	2790	7	0.06
4020	Shell Height	2500	2500	0	0.06
4042	Shell Height	4960	4961	1	NA
4044	Shell Height	20431	21724	1293	0.25
5007	Shell Height	56825	56840	15	0.25
5017	Shell Height	10275	10276	1	0.06
5035	Shell Height	28895	28895	0	0.06
5063	Shell Height	1060	1060	0	0.10
5070	Shell Height	3527	3527	0	0.25
5071	Shell Height	102	102	0	0.25
5072	Shell Height	1673	1673	0	NA
5073	Shell Height	595	595	0	1.00
5074	Shell Height	150	150	0	0.25
5075	Shell Height	403	403	0	0.06
10002	Shell Height	335854	335854	0	0.25

Table 49: Number of data entries by program - Density

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
972	Density	385	396	11	0.06
4000	Density	785	785	0	0.06
4012	Density	90	189	99	1.00
4014	Density	160	161	1	0.25
4020	Density	39	40	1	0.06
4042	Density	52	52	0	0.06
4042	Density	8	10	2	0.33
4042	Density	1	3	2	1.00
4044	Density	1213	2175	962	0.25
5007	Density	1066	1170	104	0.25
5017	Density	311	327	16	0.06
5063	Density	59	161	102	0.10
5073	Density	17	27	10	0.25
5073	Density	108	176	68	1.00
5074	Density	6	6	0	0.25
5075	Density	11	12	1	0.06

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
4000	Number of Oysters Counted - Total	785	785	0	0.06
4012	Number of Oysters Counted - Total	50	91	41	0.06
4012	Number of Oysters Counted - Total	10	20	10	0.25
4012	Number of Oysters Counted - Total	37	10	-27	NA

4014	Number of Oysters Counted - Total	13	13	0	0.25
4016	Number of Oysters Counted - Total	593	593	0	0.06
4042	Number of Oysters Counted - Total	193	193	0	0.06
4044	Number of Oysters Counted - Total	1372	2175	803	0.25
5007	Number of Oysters Counted - Total	1083	1170	87	0.25
5063	Number of Oysters Counted - Total	73	161	88	0.10
5073	Number of Oysters Counted - Total	11	11	0	0.25
5073	Number of Oysters Counted - Total	70	74	4	1.00
5074	Number of Oysters Counted - Total	12	12	0	0.25
5075	Number of Oysters Counted - Total	12	12	0	0.06

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
972	Percent Live	383	387	4	0.25
4000	Percent Live	1624	1628	4	1.00
4012	Percent Live	49	87	38	0.06
4012	Percent Live	9	11	2	0.25
4014	Percent Live	173	174	1	0.25
4016	Percent Live	497	593	96	1.00
4020	Percent Live	39	40	1	1.00
4042	Percent Live	49	49	0	1.00
4044	Percent Live	1213	1367	154	0.25
5007	Percent Live	1066	1066	0	0.25
5010	Percent Live	148	237	89	1.00
5017	Percent Live	343	358	15	1.00
5035	Percent Live	7	8	1	0.06
5074	Percent Live	12	12	0	0.25

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
4000	Reef Height	1254	1254	0	NA
4012	Reef Height	185	185	0	NA
4016	Reef Height	136	136	0	0.06
4020	Reef Height	60	60	0	0.25
4042	Reef Height	50	50	0	0.06
5010	Reef Height	56	56	0	1.00
5017	Reef Height	334	337	3	0.06
5035	Reef Height	8	8	0	0.06
5075	Reef Height	17	18	1	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
4012	Number of Oysters Counted - Dead	49	91	42	0.06
4012	Number of Oysters Counted - Dead	10	20	10	0.25
4012	Number of Oysters Counted - Dead	35	10	-25	NA

4014	Number of Oysters Counted - Dead	13	13	0	0.25
4016	Number of Oysters Counted - Dead	593	593	0	0.06
4042	Number of Oysters Counted - Dead	193	193	0	0.06
4044	Number of Oysters Counted - Dead	938	2175	1237	0.25
5007	Number of Oysters Counted - Dead	932	1170	238	0.25
5063	Number of Oysters Counted - Dead	68	161	93	0.10
5073	Number of Oysters Counted - Dead	22	25	3	0.25
5073	Number of Oysters Counted - Dead	85	148	63	1.00
5074	Number of Oysters Counted - Dead	6	6	0	0.25
5075	Number of Oysters Counted - Dead	11	12	1	0.06

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
4012	Number of Oysters Counted - Live	92	522	430	0.06
4012	Number of Oysters Counted - Live	13	30	17	0.25
4012	Number of Oysters Counted - Live	9	25	16	1.00
4012	Number of Oysters Counted - Live	425	10	-415	NA
4014	Number of Oysters Counted - Live	13	14	1	0.25
4016	Number of Oysters Counted - Live	497	593	96	0.06
4042	Number of Oysters Counted - Live	185	193	8	0.06
4044	Number of Oysters Counted - Live	1213	2175	962	0.25
5007	Number of Oysters Counted - Live	1066	1170	104	0.25
5017	Number of Oysters Counted - Live	311	327	16	0.06
5063	Number of Oysters Counted - Live	59	161	102	0.10
5073	Number of Oysters Counted - Live	17	27	10	0.25
5073	Number of Oysters Counted - Live	108	176	68	1.00
5074	Number of Oysters Counted - Live	6	6	0	0.25
5075	Number of Oysters Counted - Live	11	12	1	0.06

SAV

Table 55: Number of data entries by program - Percent Occurrence

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
3013	Percent Occurrence	107531	542419	434888	NA
3015	Percent Occurrence	1879	3724	1845	NA
3017	Percent Occurrence	28321	72839	44518	NA
10001	Percent Occurrence	3625	9672	6047	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
296	Presence/Absence	10964	10964	0	NA
556	Presence/Absence	1652	1652	0	NA
557	Presence/Absence	2485	2485	0	NA
558	Presence/Absence	4485	4485	0	NA
559	Presence/Absence	665	665	0	NA

560	Presence/Absence	30072	33140	3068	NA
564	Presence/Absence	10065	10065	0	NA
565	Presence/Absence	27180	27180	0	NA
568	Presence/Absence	1768	1768	0	NA
570	Presence/Absence	19398	19398	0	NA
571	Presence/Absence	4495	4495	0	NA
572	Presence/Absence	1442	1442	0	NA
965	Presence/Absence	747950	747950	0	NA
978	Presence/Absence	60	60	0	NA
997	Presence/Absence	514	514	0	NA
3013	Presence/Absence	602335	602335	0	NA
3015	Presence/Absence	3724	3724	0	NA
3016	Presence/Absence	574	574	0	NA
3017	Presence/Absence	72838	72838	0	NA
4018	Presence/Absence	49202	49202	0	NA
4049	Presence/Absence	286964	301972	15008	NA
4065	Presence/Absence	4923	4923	0	NA
5027	Presence/Absence	37434	37434	0	NA
10001	Presence/Absence	9672	9672	0	NA

Table 57: Number of data entries by program - Braun Blanquet Score

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
296	Braun Blanquet Score	10972	10972	0	NA
557	Braun Blanquet Score	2493	2493	0	NA
565	Braun Blanquet Score	27205	27205	0	NA
570	Braun Blanquet Score	19374	19374	0	NA
571	Braun Blanquet Score	4492	4492	0	NA
965	Braun Blanquet Score	756816	756816	0	NA
997	Braun Blanquet Score	496	496	0	NA
3016	Braun Blanquet Score	574	574	0	NA
4018	Braun Blanquet Score	41551	41551	0	NA
4049	Braun Blanquet Score	286964	302823	15859	NA
4065	Braun Blanquet Score	5139	5139	0	NA
5027	Braun Blanquet Score	37707	37707	0	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
556	Percent Cover	770	1652	882	NA
558	Percent Cover	2064	4485	2421	NA
560	Percent Cover	3986	9750	5764	NA
564	Percent Cover	4789	10118	5329	NA
568	Percent Cover	664	1768	1104	NA
572	Percent Cover	436	1442	1006	NA
997	Percent Cover	477	516	39	NA
3013	Percent Cover	85059	463145	378086	NA
4018	Percent Cover	1476	1477	1	NA
5027	Percent Cover	9181	35275	26094	NA

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

ProgramID	ParameterName	nOld	nNew	difference	QuadSize m2
559	Modified Braun Blanquet Score	665	665	0	NA
560	Modified Braun Blanquet Score	43215	44201	986	NA
978	Modified Braun Blanquet Score	115	115	0	NA

QAQC Flag Check

Discrete WQ

Quantile Check

ParameterName	n high	n high flagged	n low	n low flagged
Dissolved Oxygen	590	590	728	728
Dissolved Oxygen Saturation	129	129	131	131
Light Extinction Coefficient	16	16	13	13
Nitrogen, organic	7	7	6	6
pH	524	524	0	0
Salinity	683	683	0	0
Secchi Depth	271	271	0	0
Specific Conductivity	369	369	0	0
Total Nitrogen	125	125	17	17
Total Phosphorus	134	134	102	102
Turbidity	287	287	67	67
Water Temperature	813	813	0	0

Threshold Check

ParameterName	n high	n high flagged	n low	n low flagged	n included
Dissolved Oxygen	194	194	7	7	0
Dissolved Oxygen Saturation	11	11	6	6	0
pH	70	70	2202	2202	0
Salinity	60	60	2	2	0
Secchi Depth	15	15	300	300	0
Specific Conductivity	21	21	24780	24780	0
Water Temperature	9	9	2968	2968	0

Continuous WQ

Quantile Check

ParameterName	n high	n high flagged	n low	n low flagged
Dissolved Oxygen	263	263	1003	1003
Dissolved Oxygen Saturation	4627	4627	750	750
Turbidity	5	5	0	0
Water Temperature	0	0	7	7

Threshold Check

No threshold values detected

Species

Quantile Check

ParameterName	habitat	n high	n high flagged	n low	n low flagged
Colony Diameter	Coral	122	122	0	0
Colony Height	Coral	278	278	0	0
Colony Width	Coral	179	179	121	121
Count	Coral	8	0	0	0
Percent Cover	Coral	8458	8458	0	0
Colony Length	Coral	17	17	0	0
Colony Density	Coral	37	37	0	0
Stem Density	CW	9	9	0	0
Standard Length	Nekton	1990	1990	1423	1423
Count	Nekton	695	695	0	0
Number of Oysters Counted - Total	Oyster	7	7	0	0
Number of Oysters Counted - Live	Oyster	5	5	0	0
Number of Oysters Counted - Dead	Oyster	6	6	0	0
Shell Height	Oyster	574	574	493	493
Density	Oyster	6	6	0	0
Reef Height	Oyster	3	3	0	0
Percent Cover	SAV	44	44	0	0
Modified Braun Blanquet Score	SAV	1	1	5178	5178
Braun Blanquet Score	SAV	0	0	1	1
Percent Occurrence	SAV	2	2	0	0

Threshold Check

ParameterName	habitat	n high	n high flagged	n low	n low flagged
Colony Diameter	Coral	0	0	4558	4558
Colony Height	Coral	0	0	12501	12501
Percent Live Tissue	Coral	0	0	1	1
Standard Length	Nekton	0	0	1	1
Reef Height	Oyster	0	0	4	4