

Submerged Aquatic Vegetation Indicator Quantile Report

SEACAR Analysis

Last compiled on 19 September, 2023

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Overview

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

- Lower quantile: 0.001
- Upper quantile: 0.999

Potential Included Parameters:

- Braun Blanquet Score
- Modified Braun Blanquet Score
- Percent Cover
- Percent Occurrence
- Presence/Absence
- Shoot Count

The data file used for the analysis: **All_SAV_Parameters-2023-Jun-05.txt**

Table 1: Indicator Quantile Overview

parameter	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Braun Blanquet Score	0	6	0.34	1195747	1	9	0.00
Modified Braun Blanquet Score	0	5	2.19	30211	0	1	0.00
Percent Cover	0	100	4.07	498831	0	44	0.01
Percent Occurrence	0	400	11.15	598071	0	0	0.00
Presence/Absence	0	1	0.22	1904927	0	0	0.00
Shoot Count	0	5000	136.85	126614	0	125	0.10

Low Quantile

Braun Blanquet Score

Table 2: Flagged Values - Low Indicator Quantile: 0

RowID	ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
1041731	296	276	2020-12-13	Thalassia testudinum	-0.69

Programs containing flagged data:

296 - Florida Keys National Marine Sanctuary Seagrass Monitoring Project

High Quantile

Braun Blanquet Score

Table 3: Flagged Values - High Indicator Quantile: 6

RowID	ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
4631919	5027	BH14	2022-09-20	Halimeda discoidea	20
4642494	5027	DM08	2019-12-11	Halimeda discoidea	80
4645359	5027	DM08	2019-12-11	Halimeda spp.	80
4644272	5027	JT125	2022-05-16	Halimeda discoidea	13
4604751	5027	JT61	2019-06-07	Thalassia testudinum	15
4653337	5027	JT61	2019-06-07	Thalassia testudinum	15
4652260	5027	VR11	2019-05-28	Laurencia spp.	10
4629738	5027	VR11	2019-12-02	Halimeda discoidea	70
4636351	5027	VR11	2019-12-02	Halimeda spp.	70

Programs containing flagged data:

5027 - North Biscayne Bay Seagrass Loss Monitoring Program

Percent Cover

Table 4: Flagged Values - High Indicator Quantile: 100

RowID	ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
902224	564	W1-06-12	2012-09-26	Total_SAV	105
905579	564	W1-12-11	2011-10-05	Total_SAV	105
851919	564	W1-16-17	2017-10-06	Total_SAV	101
885597	564	W1-17-11	2011-09-30	Total_SAV	105
899899	564	W1-18-14	2014-10-10	Total_SAV	101
862957	564	W1-22-19	2019-11-10	Total_SAV	104
885820	564	W1-22-19	2019-11-10	Total_SAV	150
905302	564	W1-23-11	2011-10-03	Total_SAV	101
904574	564	W1-24-11	2011-10-05	Total_SAV	105
877686	564	W1-25-15	2015-10-02	Total_SAV	105
897172	564	W1-26-12	2012-09-26	Total_SAV	101
900264	564	W1-27-11	2011-10-04	Total_SAV	101
902597	564	W1-27-11	2011-10-04	Total_SAV	140
910854	564	W1-27-16	2016-09-30	Drift algae	590
881534	564	W1-28-12	2012-09-26	Total_SAV	105
889463	564	W1-28-12	2012-09-26	Total_SAV	105
888266	564	W1-28-19	2019-12-31	Total_SAV	101
871433	564	W1-31-15	2015-10-07	Total_SAV	110
876105	564	W1-31-15	2015-10-07	Total_SAV	110
891859	564	W1-31-15	2015-10-07	Total_SAV	110
879834	564	W1-31-19	2019-12-31	Total_SAV	180
870742	564	W1-34-15	2015-10-02	Total_SAV	125
860575	564	W1-35-19	2019-12-31	Total_SAV	105
863969	564	W1-35-19	2019-12-31	Total_SAV	110
889163	564	W1-35-19	2019-12-31	Total_SAV	110
891385	564	W1-35-19	2019-12-31	Total_SAV	105
898777	564	W1-35-19	2019-12-31	Total_SAV	105
899898	564	W1-35-19	2019-12-31	Total_SAV	105
881055	564	W1-40-19	2019-12-31	Total_SAV	120
919482	564	W2-01-12	2012-09-14	Total_SAV	105
868235	564	W2-04-11	2011-09-29	Total_SAV	120
903495	564	W2-04-12	2012-09-13	Total_SAV	140
905303	564	W2-04-15	2015-10-21	Total_SAV	120
859202	564	W2-2-19	2019-03-10	Total_SAV	110
875693	564	W2-2-19	2019-03-10	Total_SAV	130
850185	564	W2-5-19	2019-12-31	Total_SAV	120
867362	564	W2-5-19	2019-12-31	Total_SAV	180
875703	564	W2-9-19	2019-03-10	Total_SAV	122
860940	564	W2-ALT-01-17	2017-09-29	Total_SAV	105
871614	564	W3-03-15	2015-10-05	Total_SAV	110
874968	564	W3-03-15	2015-10-05	Total_SAV	135
876110	564	W3-03-15	2015-10-05	Total_SAV	106
878339	564	W3-03-15	2015-10-05	Total_SAV	115
879857	564	W3-03-15	2015-10-05	Total_SAV	125

Programs containing flagged data:

564 - Western Pinellas County Seagrass Monitoring

Modified Braun Blanquet Score

Table 5: Flagged Values - High Indicator Quantile: 5

RowID	ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
863763	559	KB06-2016	2016-06-30	Laurencia spp.	5.3

Programs containing flagged data:

559 - Northern Big Bend Seagrass Monitoring

Shoot Count

Table 6: Flagged Values - High Indicator Quantile: 5000

RowID	ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
868919	564	SG-W3-03-13	2013-09-13 00:00:00	Halodule wrightii	5170.00
889746	564	W1-10-17	2017-10-11 00:00:00	Halodule wrightii	7970.00
945882	564	W1-10-17	2017-10-11 00:00:00	Halodule wrightii	5600.00
999442	564	W1-10-17	2017-10-11 00:00:00	Halodule wrightii	5830.00
935036	564	W1-11-11	2011-10-14 00:00:00	Halodule wrightii	5570.00
997745	564	W1-11-11	2011-10-14 00:00:00	Halodule wrightii	5300.00
937210	564	W2-03-12	2012-09-13 00:00:00	Halodule wrightii	6330.00
997929	564	W2-05-17	2017-09-01 00:00:00	Halodule wrightii	5100.00
864977	564	W3-06-15	2015-10-05 00:00:00	Halodule wrightii	5170.00
867588	564	W3-06-15	2015-10-05 00:00:00	Halodule wrightii	5170.00
2859414	565	S1T17	2015-10-13 00:00:00	Halodule wrightii	5333.30
2888834	565	S3T1	2003-11-05 14:55:00	Syringodium filiforme	9200.00
2886853	565	S3T1	2004-10-28 14:20:00	Syringodium filiforme	7233.00
2888603	565	S3T1	2004-10-28 14:59:00	Syringodium filiforme	7400.00
2888464	565	S3T1	2004-10-28 15:08:00	Syringodium filiforme	5533.00
2857390	565	S3T1	2010-10-11 00:00:00	Halodule wrightii	5400.00
2853010	565	S3T1	2011-10-17 10:21:00	Halodule wrightii	5066.70
2880751	565	S3T1	2011-10-17 10:42:00	Syringodium filiforme	6766.70
2878342	565	S3T1	2011-10-17 11:46:00	Syringodium filiforme	5700.00
2856686	565	S3T1	2012-09-20 11:35:00	Halodule wrightii	6400.00
2884653	565	S3T1	2022-08-16 11:22:00	Syringodium filiforme	6766.70
2855611	565	S3T7	2003-11-06 11:07:00	Halodule wrightii	7733.00
2884356	565	S3T7	2003-11-06 11:10:00	Halodule wrightii	6800.00
2882072	565	S3T7	2004-11-01 11:20:00	Halodule wrightii	10333.00
2856349	565	S3T7	2004-11-01 11:30:00	Syringodium filiforme	5100.00
2866946	565	S3T7	2004-11-01 11:40:00	Syringodium filiforme	5633.00
2855787	565	S3T7	2008-10-08 12:08:00	Halodule wrightii	5400.00
2874428	565	S3T7	2011-10-17 14:42:00	Syringodium filiforme	5233.30
2868719	565	S3T7	2011-10-17 15:34:00	Syringodium filiforme	7966.70
2876835	565	S3T7	2011-10-17 15:38:00	Syringodium filiforme	7000.00
2887690	565	S3T7	2022-08-16 15:12:00	Syringodium filiforme	7200.00
2858076	565	S3T8	2010-10-11 15:31:00	Halodule wrightii	8267.00
2891048	565	S3T8	2012-09-20 12:46:00	Halodule wrightii	5833.30
2861432	565	S3T8	2012-09-20 13:19:00	Syringodium filiforme	6433.30
2882473	565	S4T15	2001-10-18 09:15:00	Halodule wrightii	5500.00
2889339	565	S4T2	2004-10-25 13:42:00	Halodule wrightii	5533.00
2884114	565	S5T5	2006-10-02 14:15:00	Halodule wrightii	5167.00
2885045	565	S5T6	2006-10-03 15:34:00	Halodule wrightii	6833.00
2885720	565	S5T6	2010-09-27 00:00:00	Halodule wrightii	5367.00
2885046	565	S5T6	2022-08-22 10:20:00	Halodule wrightii	5100.00
2770721	570	GAS01	2006-10-05 00:00:00	Halodule wrightii	6140.00
2782176	570	GAS01	2009-08-17 00:00:00	Halodule wrightii	5620.00
2802084	570	GAS01	2010-08-20 00:00:00	Halodule wrightii	5260.00
2789250	570	GAS01	2011-08-08 00:00:00	Halodule wrightii	7960.00
2802081	570	GAS01	2012-10-12 00:00:00	Halodule wrightii	7500.00
2804679	570	GAS01	2013-09-05 00:00:00	Halodule wrightii	7020.00
2802166	570	GAS01	2014-08-20 00:00:00	Halodule wrightii	6340.00
2819180	570	GAS01	2015-09-04 00:00:00	Halodule wrightii	7380.00

RowID	ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
2824990	570	GAS01	2017-08-16 00:00:00	Halodule wrightii	5960.00
2192685	570	GAS01	2021-09-21 00:00:00	Halodule wrightii	6580.00
2192838	570	GAS01	2021-09-21 00:00:00	Halodule wrightii	5500.00
2772682	570	GAS03	2008-10-10 00:00:00	Halodule wrightii	5280.00
2791104	570	GAS03	2010-08-03 00:00:00	Halodule wrightii	7520.00
2797001	570	GAS03	2011-09-16 00:00:00	Halodule wrightii	7980.00
2796999	570	GAS03	2012-09-07 00:00:00	Halodule wrightii	6600.00
2806164	570	GAS03	2012-09-07 00:00:00	Halodule wrightii	7460.00
2807470	570	GAS03	2013-09-12 00:00:00	Halodule wrightii	11580.00
2809275	570	GAS03	2013-09-12 00:00:00	Halodule wrightii	6100.00
2809270	570	GAS03	2014-08-20 00:00:00	Halodule wrightii	11780.00
2813448	570	GAS03	2015-09-23 00:00:00	Halodule wrightii	10440.00
2833321	570	GAS03	2016-08-12 00:00:00	Halodule wrightii	5260.00
2141464	570	GAS03	2017-08-16 00:00:00	Halodule wrightii	5280.00
2833061	570	GAS03	2017-08-16 00:00:00	Halodule wrightii	5580.00
2173920	570	GAS03	2021-10-05 00:00:00	Halodule wrightii	5200.00
2167048	570	GAS03	2022-08-25 00:00:00	Halodule wrightii	5160.00
2791064	570	GAS04	2010-09-14 00:00:00	Halodule wrightii	5300.00
2804782	570	ICW02	2009-10-01 00:00:00	Halodule wrightii	5100.00
2802637	570	ICW02	2011-09-27 00:00:00	Halodule wrightii	5080.00
2806916	570	ICW02	2013-10-21 00:00:00	Halodule wrightii	5240.00
2808255	570	ICW02	2014-08-11 00:00:00	Halodule wrightii	8780.00
2825991	570	ICW02	2017-08-21 00:00:00	Halodule wrightii	6120.00
2789463	570	ICW04	2011-10-20 00:00:00	Syringodium filiforme	6320.00
2822756	570	MC02	2015-09-29 00:00:00	Halodule wrightii	5260.00
2820203	570	MC02	2016-09-09 00:00:00	Halodule wrightii	7020.00
2996400	570	MC02	2017-10-10 00:00:00	Halodule wrightii	5900.00
2818801	570	MC07	2013-09-06 00:00:00	Halodule wrightii	8186.67
2802344	570	PI01	2009-09-04 00:00:00	Halodule wrightii	5060.00
2132651	570	PI09	2018-10-15 00:00:00	Halodule wrightii	5580.00
2160548	570	PIS02	2019-08-23 00:00:00	Halodule wrightii	5660.00
2798359	570	PIS06	2011-10-12 00:00:00	Halodule wrightii	5820.00
2139408	570	PIS06	2015-08-05 00:00:00	Halodule wrightii	5360.00
2790730	570	PIS07	2009-08-25 00:00:00	Halodule wrightii	8020.00
2825200	570	SC01	2013-09-10 00:00:00	Halodule wrightii	9140.00
2130758	570	SC01	2014-09-16 00:00:00	Halodule wrightii	5080.00
2831775	570	SC01	2014-09-16 00:00:00	Halodule wrightii	5120.00
1967756	3013	IRLSG014	1996-02-22 12:00:00	Halodule wrightii	5732.76
1953526	3013	IRLSG015	1996-02-22 13:50:00	Halodule wrightii	5010.00
1182156	3013	IRLSG015	2010-07-21 09:30:00	Halodule wrightii	5512.50
1525966	3013	IRLSG034	2003-07-29 09:30:00	Halodule wrightii	5500.00
1232335	3013	IRLSG041	2010-06-01 09:15:00	Halodule wrightii	7550.00
1616402	3013	IRLSG045	2000-06-06 12:00:00	Halophila decipiens	5680.00
1229090	3013	IRLSG069	2010-07-13 11:40:00	Halophila johnsonii	5250.00
1237292	3013	IRLSG069	2010-07-13 11:40:00	Halophila johnsonii	5462.50
1246788	3013	IRLSG069	2010-07-13 11:40:00	Halophila johnsonii	5250.00
1384641	3013	IRLSG069	2019-08-01 10:55:00	Halophila decipiens	5500.00
2012558	3013	IRLSG069	2019-08-01 10:55:00	Halophila decipiens	6462.50
2026406	3013	IRLSG069	2019-08-01 10:55:00	Halophila decipiens	5100.00
2026412	3013	IRLSG069	2019-08-01 10:55:00	Halophila decipiens	5300.00
2801666	3015	PISCntrl_1	2013-08-28 00:00:00	Halodule wrightii	7900.00
2801660	3015	PISCntrl_1	2016-09-20 00:00:00	Halodule wrightii	6100.00

RowID	ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
2792576	3015	PISCntrl_1	2017-06-26 00:00:00	Halodule wrightii	5250.00
2787958	3015	PISCntrl_1	2017-09-25 00:00:00	Halodule wrightii	5085.00
2789608	3015	PISCntrl_1	2018-06-08 00:00:00	Halodule wrightii	5250.00
2788795	3015	PISCntrl_1	2018-09-17 00:00:00	Halodule wrightii	8100.00
2997515	3015	PISCntrl_1	2019-07-25 00:00:00	Halodule wrightii	21400.00
2804084	3015	PISCntrl_1	2020-06-17 00:00:00	Halodule wrightii	8900.00
2801680	3015	PISCntrl_1	2020-09-24 00:00:00	Halodule wrightii	9200.00
2997516	3015	PISCntrl_1	2021-06-29 00:00:00	Halodule wrightii	7200.00
2801674	3015	PISCntrl_1	2022-06-17 00:00:00	Halodule wrightii	6500.00
2789566	3015	PISCntrl_2	2013-06-25 00:00:00	Halodule wrightii	5400.00
2794189	3015	PISCntrl_2	2014-07-30 00:00:00	Halodule wrightii	7550.00
2789568	3015	PISCntrl_2	2014-09-29 00:00:00	Halodule wrightii	7700.00
2789567	3015	PISCntrl_2	2017-09-25 00:00:00	Halodule wrightii	5900.00
2795992	3015	PISCntrl_2	2018-06-08 00:00:00	Halodule wrightii	5200.00
2800766	3015	PISCntrl_2	2018-09-17 00:00:00	Halodule wrightii	6800.00
2789573	3015	PISCntrl_2	2019-07-25 00:00:00	Halodule wrightii	12500.00
2797447	3015	PISCntrl_2	2019-09-06 00:00:00	Halodule wrightii	5800.00
2794195	3015	PISCntrl_2	2020-09-24 00:00:00	Halodule wrightii	7000.00
2804871	3015	PISCntrl_2	2021-06-29 00:00:00	Halodule wrightii	5500.00
2803016	3015	PISCntrl_2	2022-06-17 00:00:00	Halodule wrightii	6400.00
1474237	3017	NB	2017-06-16 00:00:00	Halodule wrightii	6063.00
1477256	3017	NB	2017-06-16 00:00:00	Halophila johnsonii	5088.00
1472592	3017	SB	2017-06-23 00:00:00	Halodule wrightii	9075.00
1478839	3017	SB	2017-06-23 00:00:00	Halodule wrightii	7150.00
2794382	4018	BH29	1995-06-08 00:00:00	Halodule wrightii	10525.00

Programs containing flagged data:

564 - Western Pinellas County Seagrass Monitoring
565 - Tampa Bay Seagrass Monitoring
570 - Charlotte Harbor Seagrass Monitoring
3013 - Seagrass (SJRWMD)
3015 - SCCF Seagrass Surveys
3017 - Loxahatchee River District Bi-Monthly Seagrass Monitoring
4018 - Miami-Dade County DERM Benthic Habitat Monitoring Program