

Submerged Aquatic Vegetation Indicator Quantile Report

SEACAR Analysis

Last compiled on 18 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
- Number of standard deviations: 3

The data file(s) 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
Shoot Count	0	5000	136.85	126614	0	125	0.10
Percent Cover	0	100	4.07	498831	0	44	0.01
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 Occurrence	0	400	11.15	598071	0	0	0.00
Presence/Absence	0	1	0.22	1904927	0	0	0.00

Low Quantile

Braun Blanquet Score

Table 2: Flagged Values - Low Indicator Quantile

ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
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

ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
5027	BH14	2022-09-20	Halimeda discoidea	20
5027	DM08	2019-12-11	Halimeda discoidea	80
5027	DM08	2019-12-11	Halimeda spp.	80
5027	JT125	2022-05-16	Halimeda discoidea	13
5027	JT61	2019-06-07	Thalassia testudinum	15
5027	JT61	2019-06-07	Thalassia testudinum	15
5027	VR11	2019-05-28	Laurencia spp.	10
5027	VR11	2019-12-02	Halimeda discoidea	70
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

ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
564	W1-06-12	2012-09-26	Total_SAV	105
564	W1-12-11	2011-10-05	Total_SAV	105
564	W1-16-17	2017-10-06	Total_SAV	101
564	W1-17-11	2011-09-30	Total_SAV	105
564	W1-18-14	2014-10-10	Total_SAV	101
564	W1-22-19	2019-11-10	Total_SAV	104
564	W1-22-19	2019-11-10	Total_SAV	150
564	W1-23-11	2011-10-03	Total_SAV	101
564	W1-24-11	2011-10-05	Total_SAV	105
564	W1-25-15	2015-10-02	Total_SAV	105
564	W1-26-12	2012-09-26	Total_SAV	101
564	W1-27-11	2011-10-04	Total_SAV	101
564	W1-27-11	2011-10-04	Total_SAV	140
564	W1-27-16	2016-09-30	Drift algae	590
564	W1-28-12	2012-09-26	Total_SAV	105
564	W1-28-12	2012-09-26	Total_SAV	105
564	W1-28-19	2019-12-31	Total_SAV	101
564	W1-31-15	2015-10-07	Total_SAV	110
564	W1-31-15	2015-10-07	Total_SAV	110
564	W1-31-15	2015-10-07	Total_SAV	110
564	W1-31-19	2019-12-31	Total_SAV	180
564	W1-34-15	2015-10-02	Total_SAV	125
564	W1-35-19	2019-12-31	Total_SAV	105
564	W1-35-19	2019-12-31	Total_SAV	110
564	W1-35-19	2019-12-31	Total_SAV	110
564	W1-35-19	2019-12-31	Total_SAV	105
564	W1-35-19	2019-12-31	Total_SAV	105
564	W1-35-19	2019-12-31	Total_SAV	105
564	W1-35-19	2019-12-31	Total_SAV	105
564	W1-40-19	2019-12-31	Total_SAV	120
564	W2-01-12	2012-09-14	Total_SAV	105
564	W2-04-11	2011-09-29	Total_SAV	120
564	W2-04-12	2012-09-13	Total_SAV	140
564	W2-04-15	2015-10-21	Total_SAV	120
564	W2-2-19	2019-03-10	Total_SAV	110
564	W2-2-19	2019-03-10	Total_SAV	130
564	W2-5-19	2019-12-31	Total_SAV	120
564	W2-5-19	2019-12-31	Total_SAV	180
564	W2-9-19	2019-03-10	Total_SAV	122
564	W2-ALT-01-17	2017-09-29	Total_SAV	105
564	W3-03-15	2015-10-05	Total_SAV	110
564	W3-03-15	2015-10-05	Total_SAV	135
564	W3-03-15	2015-10-05	Total_SAV	106
564	W3-03-15	2015-10-05	Total_SAV	115
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

ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
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

ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
564	SG-W3-03-13	2013-09-13 00:00:00	Halodule wrightii	5170.000
564	W1-10-17	2017-10-11 00:00:00	Halodule wrightii	7970.000
564	W1-10-17	2017-10-11 00:00:00	Halodule wrightii	5600.000
564	W1-10-17	2017-10-11 00:00:00	Halodule wrightii	5830.000
564	W1-11-11	2011-10-14 00:00:00	Halodule wrightii	5570.000
564	W1-11-11	2011-10-14 00:00:00	Halodule wrightii	5300.000
564	W2-03-12	2012-09-13 00:00:00	Halodule wrightii	6330.000
564	W2-05-17	2017-09-01 00:00:00	Halodule wrightii	5100.000
564	W3-06-15	2015-10-05 00:00:00	Halodule wrightii	5170.000
564	W3-06-15	2015-10-05 00:00:00	Halodule wrightii	5170.000
565	S1T17	2015-10-13 00:00:00	Halodule wrightii	5333.300
565	S3T1	2003-11-05 14:55:00	Syringodium filiforme	9200.000
565	S3T1	2004-10-28 14:20:00	Syringodium filiforme	7233.000
565	S3T1	2004-10-28 14:59:00	Syringodium filiforme	7400.000
565	S3T1	2004-10-28 15:08:00	Syringodium filiforme	5533.000
565	S3T1	2010-10-11 00:00:00	Halodule wrightii	5400.000
565	S3T1	2011-10-17 10:21:00	Halodule wrightii	5066.700
565	S3T1	2011-10-17 10:42:00	Syringodium filiforme	6766.700
565	S3T1	2011-10-17 11:46:00	Syringodium filiforme	5700.000
565	S3T1	2012-09-20 11:35:00	Halodule wrightii	6400.000
565	S3T1	2022-08-16 11:22:00	Syringodium filiforme	6766.700
565	S3T7	2003-11-06 11:07:00	Halodule wrightii	7733.000
565	S3T7	2003-11-06 11:10:00	Halodule wrightii	6800.000
565	S3T7	2004-11-01 11:20:00	Halodule wrightii	10333.000
565	S3T7	2004-11-01 11:30:00	Syringodium filiforme	5100.000
565	S3T7	2004-11-01 11:40:00	Syringodium filiforme	5633.000
565	S3T7	2008-10-08 12:08:00	Halodule wrightii	5400.000
565	S3T7	2011-10-17 14:42:00	Syringodium filiforme	5233.300
565	S3T7	2011-10-17 15:34:00	Syringodium filiforme	7966.700
565	S3T7	2011-10-17 15:38:00	Syringodium filiforme	7000.000
565	S3T7	2022-08-16 15:12:00	Syringodium filiforme	7200.000
565	S3T8	2010-10-11 15:31:00	Halodule wrightii	8267.000
565	S3T8	2012-09-20 12:46:00	Halodule wrightii	5833.300
565	S3T8	2012-09-20 13:19:00	Syringodium filiforme	6433.300
565	S4T15	2001-10-18 09:15:00	Halodule wrightii	5500.000
565	S4T2	2004-10-25 13:42:00	Halodule wrightii	5533.000
565	S5T5	2006-10-02 14:15:00	Halodule wrightii	5167.000
565	S5T6	2006-10-03 15:34:00	Halodule wrightii	6833.000
565	S5T6	2010-09-27 00:00:00	Halodule wrightii	5367.000
565	S5T6	2022-08-22 10:20:00	Halodule wrightii	5100.000
570	GAS01	2006-10-05 00:00:00	Halodule wrightii	6140.000
570	GAS01	2009-08-17 00:00:00	Halodule wrightii	5620.000
570	GAS01	2010-08-20 00:00:00	Halodule wrightii	5260.000
570	GAS01	2011-08-08 00:00:00	Halodule wrightii	7960.000
570	GAS01	2012-10-12 00:00:00	Halodule wrightii	7500.000
570	GAS01	2013-09-05 00:00:00	Halodule wrightii	7020.000
570	GAS01	2014-08-20 00:00:00	Halodule wrightii	6340.000
570	GAS01	2015-09-04 00:00:00	Halodule wrightii	7380.000

ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
570	GAS01	2017-08-16 00:00:00	Halodule wrightii	5960.000
570	GAS01	2021-09-21 00:00:00	Halodule wrightii	6580.000
570	GAS01	2021-09-21 00:00:00	Halodule wrightii	5500.000
570	GAS03	2008-10-10 00:00:00	Halodule wrightii	5280.000
570	GAS03	2010-08-03 00:00:00	Halodule wrightii	7520.000
570	GAS03	2011-09-16 00:00:00	Halodule wrightii	7980.000
570	GAS03	2012-09-07 00:00:00	Halodule wrightii	6600.000
570	GAS03	2012-09-07 00:00:00	Halodule wrightii	7460.000
570	GAS03	2013-09-12 00:00:00	Halodule wrightii	11580.000
570	GAS03	2013-09-12 00:00:00	Halodule wrightii	6100.000
570	GAS03	2014-08-20 00:00:00	Halodule wrightii	11780.000
570	GAS03	2015-09-23 00:00:00	Halodule wrightii	10440.000
570	GAS03	2016-08-12 00:00:00	Halodule wrightii	5260.000
570	GAS03	2017-08-16 00:00:00	Halodule wrightii	5280.000
570	GAS03	2017-08-16 00:00:00	Halodule wrightii	5580.000
570	GAS03	2021-10-05 00:00:00	Halodule wrightii	5200.000
570	GAS03	2022-08-25 00:00:00	Halodule wrightii	5160.000
570	GAS04	2010-09-14 00:00:00	Halodule wrightii	5300.000
570	ICW02	2009-10-01 00:00:00	Halodule wrightii	5100.000
570	ICW02	2011-09-27 00:00:00	Halodule wrightii	5080.000
570	ICW02	2013-10-21 00:00:00	Halodule wrightii	5240.000
570	ICW02	2014-08-11 00:00:00	Halodule wrightii	8780.000
570	ICW02	2017-08-21 00:00:00	Halodule wrightii	6120.000
570	ICW04	2011-10-20 00:00:00	Syringodium filiforme	6320.000
570	MC02	2015-09-29 00:00:00	Halodule wrightii	5260.000
570	MC02	2016-09-09 00:00:00	Halodule wrightii	7020.000
570	MC02	2017-10-10 00:00:00	Halodule wrightii	5900.000
570	MC07	2013-09-06 00:00:00	Halodule wrightii	8186.667
570	PI01	2009-09-04 00:00:00	Halodule wrightii	5060.000
570	PI09	2018-10-15 00:00:00	Halodule wrightii	5580.000
570	PIS02	2019-08-23 00:00:00	Halodule wrightii	5660.000
570	PIS06	2011-10-12 00:00:00	Halodule wrightii	5820.000
570	PIS06	2015-08-05 00:00:00	Halodule wrightii	5360.000
570	PIS07	2009-08-25 00:00:00	Halodule wrightii	8020.000
570	SC01	2013-09-10 00:00:00	Halodule wrightii	9140.000
570	SC01	2014-09-16 00:00:00	Halodule wrightii	5080.000
570	SC01	2014-09-16 00:00:00	Halodule wrightii	5120.000
3013	IRLSG014	1996-02-22 12:00:00	Halodule wrightii	5732.760
3013	IRLSG015	1996-02-22 13:50:00	Halodule wrightii	5010.000
3013	IRLSG015	2010-07-21 09:30:00	Halodule wrightii	5512.500
3013	IRLSG034	2003-07-29 09:30:00	Halodule wrightii	5500.000
3013	IRLSG041	2010-06-01 09:15:00	Halodule wrightii	7550.000
3013	IRLSG045	2000-06-06 12:00:00	Halophila decipiens	5680.000
3013	IRLSG069	2010-07-13 11:40:00	Halophila johnsonii	5250.000
3013	IRLSG069	2010-07-13 11:40:00	Halophila johnsonii	5462.500
3013	IRLSG069	2010-07-13 11:40:00	Halophila johnsonii	5250.000
3013	IRLSG069	2019-08-01 10:55:00	Halophila decipiens	5500.000
3013	IRLSG069	2019-08-01 10:55:00	Halophila decipiens	6462.500
3013	IRLSG069	2019-08-01 10:55:00	Halophila decipiens	5100.000
3013	IRLSG069	2019-08-01 10:55:00	Halophila decipiens	5300.000
3015	PISCntrl_1	2013-08-28 00:00:00	Halodule wrightii	7900.000
3015	PISCntrl_1	2016-09-20 00:00:00	Halodule wrightii	6100.000

ProgramID	ProgramLocationID	SampleDate	CommonIdentifier	ResultValue
3015	PISCntrl_1	2017-06-26 00:00:00	Halodule wrightii	5250.000
3015	PISCntrl_1	2017-09-25 00:00:00	Halodule wrightii	5085.000
3015	PISCntrl_1	2018-06-08 00:00:00	Halodule wrightii	5250.000
3015	PISCntrl_1	2018-09-17 00:00:00	Halodule wrightii	8100.000
3015	PISCntrl_1	2019-07-25 00:00:00	Halodule wrightii	21400.000
3015	PISCntrl_1	2020-06-17 00:00:00	Halodule wrightii	8900.000
3015	PISCntrl_1	2020-09-24 00:00:00	Halodule wrightii	9200.000
3015	PISCntrl_1	2021-06-29 00:00:00	Halodule wrightii	7200.000
3015	PISCntrl_1	2022-06-17 00:00:00	Halodule wrightii	6500.000
3015	PISCntrl_2	2013-06-25 00:00:00	Halodule wrightii	5400.000
3015	PISCntrl_2	2014-07-30 00:00:00	Halodule wrightii	7550.000
3015	PISCntrl_2	2014-09-29 00:00:00	Halodule wrightii	7700.000
3015	PISCntrl_2	2017-09-25 00:00:00	Halodule wrightii	5900.000
3015	PISCntrl_2	2018-06-08 00:00:00	Halodule wrightii	5200.000
3015	PISCntrl_2	2018-09-17 00:00:00	Halodule wrightii	6800.000
3015	PISCntrl_2	2019-07-25 00:00:00	Halodule wrightii	12500.000
3015	PISCntrl_2	2019-09-06 00:00:00	Halodule wrightii	5800.000
3015	PISCntrl_2	2020-09-24 00:00:00	Halodule wrightii	7000.000
3015	PISCntrl_2	2021-06-29 00:00:00	Halodule wrightii	5500.000
3015	PISCntrl_2	2022-06-17 00:00:00	Halodule wrightii	6400.000
3017	NB	2017-06-16 00:00:00	Halodule wrightii	6063.000
3017	NB	2017-06-16 00:00:00	Halophila johnsonii	5088.000
3017	SB	2017-06-23 00:00:00	Halodule wrightii	9075.000
3017	SB	2017-06-23 00:00:00	Halodule wrightii	7150.000
4018	BH29	1995-06-08 00:00:00	Halodule wrightii	10525.000

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