

Coral/Coral Reef Indicator Quantile Report

SEACAR Analysis

Last compiled on 25 November, 2024

Contents

| | |
|---|-----------|
| Overview | 2 |
| Purpose | 2 |
| Relevant file locations | 2 |
| Process steps | 2 |
| Summary | 3 |
| Summary Tables | 4 |
| Low Quantile | 5 |
| Indicator: Community Composition | 5 |
| Indicator: Grazers and Reef Dependent Species | 5 |
| Indicator: Percent Cover | 5 |
| Colony Height | 5 |
| Colony Width | 10 |
| High Quantile | 14 |
| Indicator: Community Composition | 14 |
| Colony Density | 14 |
| Count | 16 |
| Indicator: Grazers and Reef Dependent Species | 17 |
| Count | 17 |
| Indicator: Percent Cover | 18 |
| Colony Diameter | 18 |
| Colony Height | 20 |
| Colony Length | 24 |
| Colony Width | 25 |
| Percent Cover | 29 |

Overview

Purpose

The purpose of the indicator quantiles is to flag records that are “unusual” relative to all of the data in the DDI for a given indicator in order to facilitate QA/QC. They are not used to filter any of the data for SEACAR analyses, and the presence of a LowerQuantile or UpperQuantile flag on a DDI record alone does not necessarily indicate there is any issue with the record (neither does the absence of a LowerQuantile or UpperQuantile flag necessarily mean that a data record is correct).

Relevant file locations

Current values can be found in the “LowQuantile” and “HighQuantile” columns of the “Ref_Parameters” worksheet.

The R script described below and the output file can be found in the *FloridaSEACAR IndicatorQuantiles* repository on GitHub:

- <https://github.com/FloridaSEACAR/IndicatorQuantiles>

Process steps

IQ_Report_Render.R & IQ_Report.Rmd

1. The *IQ_Report_Render.R* script lists all files in a given directory and filters it to a list of DDI exports to evaluate considering a list of parameters to skip (user-defined).
2. User sets the desired upper and lower quantile thresholds, as well as a number of standard deviations away from the mean to use for the calculations.
3. User sets the string value(s) in the DDI exports that should be considered as NA values.
4. The remainder of the script loops through the file list, returning the values listed below and binding them together by row into a single Excel spreadsheet that is saved to the User’s working directory.
5. For each habitat included in the User’s working directory a PDF report will be created in the “output” folder using *IQ_Report.Rmd*, which provides an overview of questionable / flagged values.
6. In addition to the PDF reports, each habitat will provide a .txt data output file in the “output/data” folder containing questionable values.

Summary

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

- Lower quantile: **0.001**
- Upper quantile: **0.999**

Included Indicators and Parameters and the files used in this analysis:

All_CORAL_Parameters-2024-Sep-04.txt

Indicator: Community Composition

- Colony Density
- Count
- Presence/Absence

Indicator: Grazers and Reef Dependent Species

- Count
- Presence/Absence
- Standard Length

Indicator: Percent Cover

- Colony Diameter
- Colony Height
- Colony Length
- Colony Width
- Percent Cover
- Percent Live Tissue

Summary Tables

q_low: Value corresponding to the qval_low quantile for the parameter in the DDI export.

q_high: Value corresponding to the qval_high quantile for the parameter in the DDI export.

mean: Mean value for the parameter in the DDI export.

n_tot: Total number of records in the DDI export for the parameter.

n_q_low: Number of records in the DDI export that are below q_low for the parameter.

n_q_high: Number of records in the DDI export that are above q_high for the parameter.

pct_flagged: Proportion of total records in the DDI export for the parameter which have been flagged as above q_high, or below q_low.

Indicator: **Community Composition**

Table 1: Indicator Quantile Overview

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|------------------|-------|---------|------|---------|---------|----------|-------------|
| Colony Density | 0 | 37.53 | 0.25 | 42470 | 0 | 43 | 0.10 |
| Count | 0 | 1000.00 | 5.08 | 10571 | 0 | 5 | 0.05 |
| Presence/Absence | 0 | 1.00 | 0.98 | 1006730 | 0 | 0 | 0.00 |

Indicator: **Grazers and Reef Dependent Species**

Table 2: Indicator Quantile Overview

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|------------------|-------|--------|-------|---------|---------|----------|-------------|
| Count | 0 | 1000 | 10.55 | 87241 | 0 | 29 | 0.03 |
| Presence/Absence | 0 | 1 | 0.99 | 4686355 | 0 | 0 | 0.00 |

Indicator: **Percent Cover**

Table 3: Indicator Quantile Overview

| ParameterName | q low | q high | mean | n tot | n q low | n q high | pct flagged |
|---------------------|-------|--------|-------|--------|---------|----------|-------------|
| Colony Diameter | 0 | 240.00 | 18.16 | 82238 | 0 | 76 | 0.09 |
| Colony Height | 1 | 155.00 | 12.12 | 207104 | 190 | 193 | 0.18 |
| Colony Length | 1 | 361.87 | 66.04 | 14027 | 0 | 15 | 0.11 |
| Colony Width | 2 | 220.00 | 19.86 | 195782 | 133 | 177 | 0.16 |
| Percent Cover | 0 | 42.00 | 0.75 | 343888 | 0 | 321 | 0.09 |
| Percent Live Tissue | 0 | 100.00 | 57.89 | 9004 | 0 | 0 | 0.00 |

Low Quantile

Indicator: Community Composition

There are no *Low* Quantile Flagged Values for Colony Density

There are no *Low* Quantile Flagged Values for Count

There are no *Low* Quantile Flagged Values for Presence/Absence

Indicator: Grazers and Reef Dependent Species

There are no *Low* Quantile Flagged Values for Count

There are no *Low* Quantile Flagged Values for Presence/Absence

There are no *Low* Quantile Flagged Values for Standard Length

Indicator: Percent Cover

There are no *Low* Quantile Flagged Values for Colony Diameter

Colony Height

Table 4: Flagged Values - Low Indicator Quantile: 1

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|---------------------------|-------------|
| 1081253 | 136 | SI1 | 2011-05-19 | Acropora palmata | 0.5 |
| 325696 | 169 | 102C | 2005-12-31 | Porites astreoides | 0.5 |
| 335168 | 169 | 102C | 2005-12-31 | Agaricia agaricites | 0.5 |
| 70266 | 169 | 117C | 2005-12-31 | Porites astreoides | 0.5 |
| 101324 | 169 | 117C | 2005-12-31 | Agaricia agaricites | 0.5 |
| 84815 | 169 | 136-2007 | 2007-12-31 | Acropora cervicornis | 0.1 |
| 117642 | 169 | 136-2007 | 2007-12-31 | Acropora cervicornis | 0.2 |
| 511 | 169 | 147-2007 | 2007-12-31 | Acropora palmata | 0.5 |
| 610 | 169 | 148-2007 | 2007-12-31 | Acropora palmata | 0.2 |
| 680 | 169 | 148-2007 | 2007-12-31 | Acropora palmata | 0.5 |
| 2818 | 169 | 159C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 10364 | 169 | 162C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 16996 | 169 | 172C | 2005-12-31 | Agaricia agaricites | 0.5 |
| 25490 | 169 | 172C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 35453 | 169 | 172C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 38800 | 169 | 180C | 2005-12-31 | Agaricia agaricites | 0.5 |
| 42912 | 169 | 180C | 2005-12-31 | Orbicella faveolata | 0.5 |
| 7004 | 169 | 185C | 2005-12-31 | Siderastrea radians | 0.5 |
| 7244 | 169 | 185C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 7508 | 169 | 185C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 12361 | 169 | 190C | 2005-12-31 | Acropora cervicornis | 0.5 |
| 50183 | 169 | 213C | 2005-12-31 | Montastraea cavernosa | 0.5 |
| 58200 | 169 | 213C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 60177 | 169 | 213C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 185845 | 169 | 215-2006 | 2006-12-31 | Acropora cervicornis | 0.5 |
| 3046 | 169 | 217-2007 | 2007-12-31 | Acropora palmata | 0.5 |
| 3047 | 169 | 217-2007 | 2007-12-31 | Acropora palmata | 0.3 |
| 5671 | 169 | 217-2007 | 2007-12-31 | Acropora palmata | 0.1 |
| 7661 | 169 | 217-2007 | 2007-12-31 | Acropora palmata | 0.2 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|--------|-----------|-------------------|------------|---------------------------|-------------|
| 73769 | 169 | 217-2007 | 2007-12-31 | Acropora palmata | 0.8 |
| 105803 | 169 | 217-2007 | 2007-12-31 | Acropora palmata | 0.6 |
| 3203 | 169 | 224C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 63475 | 169 | 224C | 2005-12-31 | Montastraea cavernosa | 0.5 |
| 49272 | 169 | 227C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 51196 | 169 | 227C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 56036 | 169 | 227C | 2005-12-31 | Montastraea cavernosa | 0.5 |
| 168853 | 169 | 231C | 2002-12-31 | Colpophyllia natans | 0.0 |
| 81020 | 169 | 240-2006 | 2006-12-31 | Acropora palmata | 0.5 |
| 112330 | 169 | 240-2006 | 2006-12-31 | Acropora palmata | 0.8 |
| 120611 | 169 | 240-2006 | 2006-12-31 | Acropora palmata | 0.1 |
| 120622 | 169 | 240-2006 | 2006-12-31 | Acropora palmata | 0.2 |
| 186019 | 169 | 240-2006 | 2006-12-31 | Acropora palmata | 0.3 |
| 128784 | 169 | 241-2006 | 2006-12-31 | Acropora palmata | 0.7 |
| 186624 | 169 | 241-2006 | 2006-12-31 | Acropora palmata | 0.2 |
| 11904 | 169 | 260C | 2005-12-31 | Mycetophyllia danaana | 0.5 |
| 75274 | 169 | 260C | 2005-12-31 | Porites astreoides | 0.5 |
| 75275 | 169 | 260C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 85575 | 169 | 260C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 73758 | 169 | 27-2007 | 2007-12-31 | Acropora palmata | 0.2 |
| 91733 | 169 | 27-2007 | 2007-12-31 | Acropora palmata | 0.3 |
| 60564 | 169 | 272-2011 | 2011-12-31 | Acropora palmata | 0.5 |
| 60708 | 169 | 273-2011 | 2011-12-31 | Acropora palmata | 0.5 |
| 73476 | 169 | 28-2007 | 2007-12-31 | Acropora palmata | 0.5 |
| 73818 | 169 | 28-2007 | 2007-12-31 | Acropora palmata | 0.2 |
| 117621 | 169 | 28-2007 | 2007-12-31 | Acropora palmata | 0.1 |
| 5223 | 169 | 280C | 2005-12-31 | Mycetophyllia danaana | 0.5 |
| 8107 | 169 | 280C | 2005-12-31 | Colpophyllia natans | 0.5 |
| 8394 | 169 | 280C | 2005-12-31 | Mycetophyllia ferox | 0.5 |
| 22331 | 169 | 280C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 25855 | 169 | 280C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 150736 | 169 | 29-2006 | 2006-12-31 | Acropora palmata | 0.3 |
| 122374 | 169 | 29-2007 | 2007-12-31 | Acropora palmata | 0.5 |
| 17563 | 169 | 298C | 2005-12-31 | Agaricia agaricites | 0.2 |
| 23832 | 169 | 298C | 2005-12-31 | Colpophyllia natans | 0.5 |
| 28053 | 169 | 298C | 2005-12-31 | Orbicella faveolata | 0.5 |
| 31222 | 169 | 298C | 2005-12-31 | Porites astreoides | 0.5 |
| 31556 | 169 | 298C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 34318 | 169 | 298C | 2005-12-31 | Porites astreoides | 0.2 |
| 145473 | 169 | 30-2007 | 2007-12-31 | Acropora palmata | 0.5 |
| 122573 | 169 | 31-2007 | 2007-12-31 | Acropora palmata | 0.5 |
| 6493 | 169 | 34C | 2009-12-31 | Agaricia agaricites | 0.0 |
| 301887 | 169 | 35C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 358067 | 169 | 35C | 2005-12-31 | Porites astreoides | 0.5 |
| 125714 | 169 | 39-2006 | 2006-12-31 | Acropora palmata | 0.2 |
| 126999 | 169 | 39-2006 | 2006-12-31 | Acropora palmata | 0.5 |
| 130228 | 169 | 39-2006 | 2006-12-31 | Acropora palmata | 0.6 |
| 210358 | 169 | 39-2007 | 2007-12-31 | Acropora cervicornis | 0.2 |
| 77029 | 169 | 42C | 2009-12-31 | Agaricia agaricites | 0.0 |
| 91174 | 169 | 43-2006 | 2006-12-31 | Acropora palmata | 0.3 |
| 59033 | 169 | 506C | 2005-12-31 | Siderastrea siderea | 0.3 |
| 65157 | 169 | 506C | 2005-12-31 | Stephanocoenia intersepta | 0.4 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|--------|-----------|-------------------|------------|---------------------------|-------------|
| 65480 | 169 | 506C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 68106 | 169 | 506C | 2005-12-31 | Stephanocoenia intersepta | 0.2 |
| 65666 | 169 | 525C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 69219 | 169 | 525C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 71020 | 169 | 525C | 2005-12-31 | Siderastrea siderea | 0.3 |
| 83358 | 169 | 525C | 2005-12-31 | Siderastrea radians | 0.3 |
| 106558 | 169 | 525C | 2005-12-31 | Colpophyllia natans | 0.3 |
| 44255 | 169 | 555C | 2005-12-31 | Agaricia agaricites | 0.5 |
| 331481 | 169 | 56C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 395636 | 169 | 56C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 73515 | 169 | 58-2007 | 2007-12-31 | Acropora palmata | 0.1 |
| 1452 | 169 | 60C | 2005-12-31 | Agaricia lamarcki | 0.5 |
| 1483 | 169 | 60C | 2005-12-31 | Madracis senaria | 0.5 |
| 1525 | 169 | 60C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 2619 | 169 | 60C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 69914 | 169 | 61-2007 | 2007-12-31 | Acropora cervicornis | 0.5 |
| 373270 | 169 | 61C | 2005-12-31 | Montastraea cavernosa | 0.5 |
| 376543 | 169 | 61C | 2005-12-31 | Agaricia agaricites | 0.5 |
| 443127 | 169 | 61C | 2005-12-31 | Colpophyllia natans | 0.5 |
| 443713 | 169 | 61C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 467369 | 169 | 61C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 172913 | 169 | 692C | 2005-12-31 | Agaricia agaricites | 0.8 |
| 90737 | 169 | 697C | 2005-12-31 | Agaricia agaricites | 0.5 |
| 257729 | 169 | 704C | 2002-12-31 | Millepora alcicornis | 0.5 |
| 108031 | 169 | 728C | 2002-12-31 | Agaricia humilis | 0.5 |
| 262795 | 169 | 728C | 2002-12-31 | Millepora alcicornis | 0.5 |
| 175019 | 169 | 743C | 2005-12-31 | Porites astreoides | 0.5 |
| 191009 | 169 | 75-2006 | 2006-12-31 | Acropora palmata | 0.3 |
| 351657 | 169 | 77C | 2005-12-31 | Porites astreoides | 0.5 |
| 113206 | 169 | 78-2006 | 2006-12-31 | Acropora palmata | 0.3 |
| 133730 | 169 | 78-2006 | 2006-12-31 | Acropora palmata | 0.2 |
| 152755 | 169 | 78-2006 | 2006-12-31 | Acropora palmata | 0.4 |
| 157664 | 169 | 78-2006 | 2006-12-31 | Acropora palmata | 0.7 |
| 79527 | 169 | 79-2006 | 2006-12-31 | Acropora palmata | 0.9 |
| 80953 | 169 | 79-2006 | 2006-12-31 | Acropora palmata | 0.2 |
| 91178 | 169 | 79-2006 | 2006-12-31 | Acropora palmata | 0.5 |
| 107507 | 169 | 79-2006 | 2006-12-31 | Acropora palmata | 0.1 |
| 120447 | 169 | 79-2006 | 2006-12-31 | Acropora palmata | 0.6 |
| 128622 | 169 | 79-2006 | 2006-12-31 | Acropora palmata | 0.7 |
| 128623 | 169 | 79-2006 | 2006-12-31 | Acropora palmata | 0.4 |
| 131552 | 169 | 79-2006 | 2006-12-31 | Acropora palmata | 0.3 |
| 185821 | 169 | 79-2006 | 2006-12-31 | Acropora palmata | 0.8 |
| 180737 | 169 | 796C | 2002-12-31 | Stephanocoenia intersepta | 0.0 |
| 182983 | 169 | 796C | 2002-12-31 | Siderastrea siderea | 0.0 |
| 206437 | 169 | 796C | 2002-12-31 | Agaricia agaricites | 0.0 |
| 208905 | 169 | 796C | 2002-12-31 | Madracis senaria | 0.0 |
| 187717 | 169 | 815C | 2005-12-31 | Agaricia agaricites | 0.0 |
| 96243 | 169 | 824C | 2002-12-31 | Siderastrea radians | 0.0 |
| 96244 | 169 | 824C | 2002-12-31 | Siderastrea siderea | 0.0 |
| 146940 | 169 | 824C | 2002-12-31 | Agaricia agaricites | 0.5 |
| 165664 | 169 | 824C | 2002-12-31 | Stephanocoenia intersepta | 0.0 |
| 183293 | 169 | 824C | 2002-12-31 | Porites astreoides | 0.0 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|--------------------|------------|---------------------------|-------------|
| 187420 | 169 | 824C | 2002-12-31 | Agaricia agaricites | 0.0 |
| 213820 | 169 | 824C | 2002-12-31 | Agaricia humilis | 0.0 |
| 187146 | 169 | 82C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 131555 | 169 | 83-2006 | 2006-12-31 | Acropora cervicornis | 0.6 |
| 170891 | 169 | 84-2007 | 2007-12-31 | Acropora palmata | 0.5 |
| 146602 | 169 | 862C | 2005-12-31 | Orbicella faveolata | 0.5 |
| 210961 | 169 | 864C | 2002-12-31 | Mycetophyllia lamarckiana | 0.5 |
| 184441 | 169 | 872C | 2005-12-31 | Porites astreoides | 0.5 |
| 220094 | 169 | 887C | 2005-12-31 | Meandrina meandrites | 0.5 |
| 263471 | 169 | 887C | 2005-12-31 | Stephanocoenia intersepta | 0.5 |
| 263472 | 169 | 887C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 142567 | 169 | 888C | 2002-12-31 | Siderastrea siderea | 0.5 |
| 153678 | 169 | 890C | 2002-12-31 | Siderastrea siderea | 0.5 |
| 84654 | 169 | 9-2007 | 2007-12-31 | Acropora cervicornis | 0.0 |
| 199074 | 169 | 96C | 2005-12-31 | Porites astreoides | 0.5 |
| 274334 | 169 | 96C | 2005-12-31 | Agaricia agaricites | 0.5 |
| 275319 | 169 | 96C | 2005-12-31 | Siderastrea siderea | 0.5 |
| 52809 | 169 | 99-2006 | 2006-12-31 | Acropora palmata | 0.3 |
| 54634 | 169 | A108-2012 | 2012-12-31 | Acropora cervicornis | 0.5 |
| 70484 | 169 | A425-2012 | 2012-12-31 | Acropora palmata | 0.5 |
| 6674939 | 3022 | 1328-881039-3022B | 2014-08-08 | Stephanocoenia intersepta | 0.0 |
| 6551859 | 3022 | 2127-1224420-3022B | 2014-07-21 | Siderastrea siderea | 0.5 |
| 6652062 | 3022 | 2127-1224420-3022B | 2014-07-21 | Mycetophyllia aliciae | 0.5 |
| 6714558 | 3022 | 2144-1467441-3022B | 2014-07-20 | Stephanocoenia intersepta | 0.5 |
| 6644771 | 3022 | 2146-1498127-3022B | 2014-07-20 | Orbicella franksi | 0.5 |
| 6742974 | 3022 | 2146-1498127-3022B | 2014-07-20 | Siderastrea siderea | 0.5 |
| 6652162 | 3022 | 2175-1438738-3022B | 2014-07-20 | Siderastrea siderea | 0.5 |
| 6677671 | 3022 | 2195-1281175-3022B | 2014-07-21 | Montastraea cavernosa | 0.5 |
| 6652618 | 3022 | 2232-1508696-3022B | 2014-06-08 | Stephanocoenia intersepta | 0.0 |
| 6701047 | 3022 | 2232-1508696-3022B | 2014-06-08 | Siderastrea siderea | 0.0 |
| 6735016 | 3022 | 2248-1628075-3022B | 2014-06-02 | Agaricia lamarcki | 0.0 |
| 6696589 | 3022 | 2253-1336385-3022B | 2014-07-21 | Montastraea cavernosa | 0.5 |
| 6710698 | 3022 | 2253-1336385-3022B | 2014-07-21 | Siderastrea siderea | 0.5 |
| 6710801 | 3022 | 2253-1336385-3022B | 2014-07-21 | Stephanocoenia intersepta | 0.5 |
| 6745733 | 3022 | 2312-1433911-3022B | 2014-07-20 | Siderastrea siderea | 0.5 |
| 6745838 | 3022 | 2312-1433911-3022B | 2014-07-20 | Stephanocoenia intersepta | 0.5 |
| 6549975 | 3022 | 2335-1464745-3022B | 2014-07-22 | Agaricia lamarcki | 0.3 |
| 6550944 | 3022 | 2335-1464745-3022B | 2014-07-22 | Orbicella franksi | 0.3 |
| 6646753 | 3022 | 2335-1464745-3022B | 2014-07-22 | Siderastrea radians | 0.6 |
| 6646754 | 3022 | 2335-1464745-3022B | 2014-07-22 | Siderastrea radians | 0.3 |
| 6677519 | 3022 | 2335-1464745-3022B | 2014-07-22 | Agaricia fragilis | 0.3 |
| 6679458 | 3022 | 2335-1464745-3022B | 2014-07-22 | Siderastrea radians | 0.5 |
| 6710938 | 3022 | 2335-1464745-3022B | 2014-07-22 | Orbicella franksi | 0.5 |
| 6557358 | 3022 | 2337-1408892-3022B | 2014-07-22 | Stephanocoenia intersepta | 0.5 |
| 6652503 | 3022 | 2337-1408892-3022B | 2014-07-22 | Siderastrea siderea | 0.5 |
| 6679474 | 3022 | 2337-1408892-3022B | 2014-07-22 | Siderastrea radians | 0.5 |
| 6642801 | 3022 | 2386-1539067-3022B | 2014-07-25 | Agaricia agaricites | 0.5 |
| 6646945 | 3022 | 2386-1539067-3022B | 2014-07-25 | Montastraea cavernosa | 0.5 |
| 6745876 | 3022 | 2386-1539067-3022B | 2014-07-25 | Siderastrea siderea | 0.5 |
| 6745486 | 3022 | 2408-1514527-3022B | 2014-07-22 | Porites astreoides | 0.5 |
| 6700750 | 3022 | 2423-1599179-3022B | 2014-07-25 | Mycetophyllia ferox | 0.5 |
| 6735441 | 3022 | 2423-1599179-3022B | 2014-07-25 | Agaricia lamarcki | 0.5 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|--------------------|------------|---------------------------|-------------|
| 6739291 | 3022 | 2423-1599179-3022B | 2014-07-25 | Orbicella franksi | 0.5 |
| 6679939 | 3022 | 2669-1356987-3022B | 2014-07-21 | Montastraea cavernosa | 0.5 |
| 6684720 | 3022 | 2669-1356987-3022B | 2014-07-21 | Porites astreoides | 0.5 |
| 6751233 | 3022 | 2669-1356987-3022B | 2014-07-21 | Stephanocoenia intersepta | 0.5 |
| 6686821 | 5040 | Boot Key-1 | 2018-01-22 | Siderastrea siderea | 0.0 |

Programs containing flagged data:

136 - Population Status of Elkhorn Coral

169 - Abundance, Distribution, and Condition of Acropora Corals, Other Benthic Coral Reef Organisms, and Marine Debris (SCREAM)

3022 - National Coral Reef Monitoring Program (NCRMP)

5040 - Coral Disease Monitoring Sentinel Sites

There are no *Low* Quantile Flagged Values for Colony Length

Colony Width

Table 5: Flagged Values - Low Indicator Quantile: **2**

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|------------------|-------------|
| 1331659 | 136 | AR1 | 2019-08-08 | Acropora palmata | 1.00 |
| 1331798 | 136 | CF2 | 2011-09-15 | Acropora palmata | 1.50 |
| 1335487 | 136 | CF2 | 2011-09-15 | Acropora palmata | 1.00 |
| 1289705 | 136 | CF4 | 2011-09-15 | Acropora palmata | 1.00 |
| 1389350 | 136 | CF4 | 2015-02-24 | Acropora palmata | 1.00 |
| 1269386 | 136 | EL1 | 2014-10-02 | Acropora palmata | 1.00 |
| 1331924 | 136 | EL1 | 2016-09-15 | Acropora palmata | 1.00 |
| 1275891 | 136 | EL1 | 2018-10-12 | Acropora palmata | 1.00 |
| 1205233 | 136 | EL2 | 2013-10-21 | Acropora palmata | 1.00 |
| 1266910 | 136 | EL2 | 2017-01-20 | Acropora palmata | 1.00 |
| 1222246 | 136 | EL2 | 2017-06-15 | Acropora palmata | 1.00 |
| 1364467 | 136 | EL2 | 2018-06-04 | Acropora palmata | 1.00 |
| 1266944 | 136 | EL2 | 2018-10-12 | Acropora palmata | 1.00 |
| 1425339 | 136 | EL2 | 2019-06-12 | Acropora palmata | 1.00 |
| 1364481 | 136 | EL2 | 2019-10-10 | Acropora palmata | 1.00 |
| 1323339 | 136 | EL3 | 2011-05-11 | Acropora palmata | 1.00 |
| 1271107 | 136 | EL3 | 2011-09-28 | Acropora palmata | 1.00 |
| 1323628 | 136 | EL3 | 2014-10-06 | Acropora palmata | 1.00 |
| 1449660 | 136 | EL4 | 2019-06-11 | Acropora palmata | 1.00 |
| 1296491 | 136 | EL4 | 2019-10-10 | Acropora palmata | 1.00 |
| 1208413 | 136 | FR1 | 2017-10-18 | Acropora palmata | 1.00 |
| 1248312 | 136 | FR1 | 2022-11-15 | Acropora palmata | 1.00 |
| 1208833 | 136 | FR2 | 2014-09-30 | Acropora palmata | 1.00 |
| 1082468 | 136 | FR2 | 2015-02-12 | Acropora palmata | 1.00 |
| 1228367 | 136 | FR2 | 2015-09-25 | Acropora palmata | 1.00 |
| 1328370 | 136 | FR2 | 2016-09-13 | Acropora palmata | 1.00 |
| 1210825 | 136 | FR2 | 2018-05-31 | Acropora palmata | 1.00 |
| 1211073 | 136 | FR3 | 2015-02-12 | Acropora palmata | 1.00 |
| 1243757 | 136 | GR3 | 2017-06-28 | Acropora palmata | 1.00 |
| 1326975 | 136 | HS3 | 2017-07-12 | Acropora palmata | 1.00 |
| 1300268 | 136 | KL3 | 2010-05-26 | Acropora palmata | 1.00 |
| 1300267 | 136 | KL3 | 2011-09-14 | Acropora palmata | 0.50 |
| 1334995 | 136 | KL3 | 2012-09-18 | Acropora palmata | 1.00 |
| 1182673 | 136 | KL3 | 2013-02-07 | Acropora palmata | 1.00 |
| 1182771 | 136 | KL3 | 2015-09-22 | Acropora palmata | 1.00 |
| 1327067 | 136 | ML1 | 2008-05-20 | Acropora palmata | 1.00 |
| 1295704 | 136 | ML1 | 2011-02-09 | Acropora palmata | 1.00 |
| 1084969 | 136 | ML2 | 2006-05-24 | Acropora palmata | 1.00 |
| 1209521 | 136 | ML2 | 2008-05-20 | Acropora palmata | 1.00 |
| 1331013 | 136 | ML2 | 2016-03-02 | Acropora palmata | 1.00 |
| 1358180 | 136 | ML2 | 2016-06-17 | Acropora palmata | 1.00 |
| 1358219 | 136 | ML2 | 2017-01-25 | Acropora palmata | 1.00 |
| 1358263 | 136 | ML2 | 2018-10-12 | Acropora palmata | 1.00 |
| 1305404 | 136 | ML3 | 2018-05-29 | Acropora palmata | 1.00 |
| 1246099 | 136 | NN1 | 2018-09-11 | Acropora palmata | 1.00 |
| 1091177 | 136 | SI1 | 2013-06-03 | Acropora palmata | 1.00 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|--------------------|------------|---------------------------|-------------|
| 1331721 | 136 | SI1 | 2013-09-19 | Acropora palmata | 1.00 |
| 1091181 | 136 | SI1 | 2014-01-29 | Acropora palmata | 1.00 |
| 1280663 | 136 | SI1 | 2015-02-23 | Acropora palmata | 1.00 |
| 1230067 | 136 | SI1 | 2017-09-29 | Acropora palmata | 1.00 |
| 1306975 | 136 | SI1 | 2018-06-01 | Acropora palmata | 1.00 |
| 1275044 | 136 | SI1 | 2019-10-09 | Acropora palmata | 1.00 |
| 1308887 | 136 | SI2 | 2010-05-24 | Acropora palmata | 1.00 |
| 1091849 | 136 | SI2 | 2010-10-01 | Acropora palmata | 1.00 |
| 1250681 | 136 | SI2 | 2011-05-19 | Acropora palmata | 1.00 |
| 1276964 | 136 | SI2 | 2011-09-16 | Acropora palmata | 1.00 |
| 1236446 | 136 | SI2 | 2012-01-18 | Acropora palmata | 1.00 |
| 1081928 | 136 | SI2 | 2012-09-20 | Acropora palmata | 1.00 |
| 1277459 | 136 | SI2 | 2013-09-19 | Acropora palmata | 1.00 |
| 1308903 | 136 | SI2 | 2014-10-03 | Acropora palmata | 1.00 |
| 1210180 | 136 | SI2 | 2015-10-09 | Acropora palmata | 1.00 |
| 1235554 | 136 | SI2 | 2016-09-14 | Acropora palmata | 1.00 |
| 1336310 | 136 | SI2 | 2018-06-01 | Acropora palmata | 1.00 |
| 1389295 | 136 | SI3 | 2015-02-23 | Acropora palmata | 1.00 |
| 1359882 | 136 | SI3 | 2015-10-09 | Acropora palmata | 1.00 |
| 1389388 | 136 | TR1 | 2010-05-18 | Acropora palmata | 1.00 |
| 1093347 | 136 | TR1 | 2011-07-19 | Acropora palmata | 1.00 |
| 1242204 | 136 | TR1 | 2015-07-22 | Acropora palmata | 1.00 |
| 1262923 | 136 | TR2 | 2017-12-08 | Acropora palmata | 1.00 |
| 1263471 | 136 | TR2 | 2018-07-13 | Acropora palmata | 1.00 |
| 1326713 | 136 | TR3 | 2017-08-30 | Acropora palmata | 1.00 |
| 1230814 | 136 | WA1 | 2019-10-22 | Acropora palmata | 1.00 |
| 6603760 | 981 | A1120 | 2005-09-12 | Agaricia agaricites | 1.00 |
| 6593961 | 981 | A4005 | 2005-08-22 | Porites divaricata | 1.00 |
| 6341097 | 981 | MQ20 | 2019-08-22 | Siderastrea siderea | 1.00 |
| 6383656 | 981 | S2096 | 2018-09-14 | Siderastrea siderea | 1.00 |
| 6323750 | 981 | T1236 | 2019-08-27 | Porites porites | 1.00 |
| 6441667 | 981 | V1326 | 2021-09-08 | Siderastrea siderea | 1.00 |
| 6481746 | 981 | V1326 | 2021-09-08 | Stephanocoenia intersepta | 1.00 |
| 6404764 | 981 | V1335 | 2021-09-23 | Stephanocoenia intersepta | 1.00 |
| 6439147 | 981 | V3008 | 2021-09-09 | Porites astreoides | 1.00 |
| 6486426 | 981 | V3024 | 2021-09-16 | Orbicella faveolata | 1.00 |
| 6444861 | 981 | W1307 | 2022-08-31 | Porites astreoides | 1.00 |
| 6606698 | 981 | W1340 | 2022-08-19 | Agaricia agaricites | 1.00 |
| 6521223 | 981 | W3019 | 2022-09-23 | Siderastrea siderea | 1.00 |
| 6657376 | 981 | Y1208 | 2023-09-22 | Porites astreoides | 1.00 |
| 6776318 | 3022 | 1008-1138030-3022B | 2018-08-13 | Siderastrea radians | 1.00 |
| 6802535 | 3022 | 1008-1138030-3022B | 2018-08-13 | Favia fragum | 1.00 |
| 6791373 | 3022 | 1033-2008583-3022B | 2015-08-16 | Porites astreoides | 1.00 |
| 6761708 | 3022 | 1052-2003948-3022B | 2015-08-16 | Porites porites | 1.00 |
| 6844547 | 3022 | 1063-2293416-3022B | 2022-07-13 | Colpophyllia natans | 1.00 |
| 6734642 | 3022 | 1085-1964514-3022B | 2018-09-25 | Porites spp. | 1.50 |
| 6607360 | 3022 | 1089-1960897-3022B | 2018-09-25 | Porites porites | 1.50 |
| 6776224 | 3022 | 1095-1975207-3022B | 2018-09-27 | Porites porites | 1.50 |
| 6598198 | 3022 | 1101-1976998-3022B | 2018-09-27 | Agaricia agaricites | 1.50 |
| 6753984 | 3022 | 1138-1906339-3022B | 2014-07-01 | Agaricia spp. | 1.00 |
| 6768779 | 3022 | 1142-1943617-3022B | 2014-09-19 | Porites porites | 1.00 |
| 6791353 | 3022 | 1142-1943617-3022B | 2014-09-19 | Siderastrea siderea | 1.00 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|--------------------|------------|---------------------------|-------------|
| 6577378 | 3022 | 1146-1898987-3022B | 2014-06-30 | Agaricia spp. | 1.00 |
| 6791993 | 3022 | 1168-2003709-3022B | 2018-10-24 | Porites astreoides | 1.00 |
| 6745201 | 3022 | 1172-1884276-3022B | 2014-06-25 | Agaricia agaricites | 1.00 |
| 6792038 | 3022 | 1198-1820412-3022B | 2018-08-08 | Pseudodiploria strigosa | 1.00 |
| 6746593 | 3022 | 1198-1893423-3022B | 2014-06-29 | Agaricia spp. | 1.00 |
| 6577400 | 3022 | 1199-1895085-3022B | 2014-06-29 | Agaricia spp. | 1.00 |
| 6820742 | 3022 | 1259-1444730-3022B | 2016-08-12 | Siderastrea siderea | 1.00 |
| 6783473 | 3022 | 1288-1850237-3022B | 2018-08-07 | Montastraea cavernosa | 1.00 |
| 6628331 | 3022 | 1312-1797085-3022B | 2016-12-14 | Acropora cervicornis | 1.00 |
| 6698832 | 3022 | 1331-912483-3022B | 2014-08-08 | Porites astreoides | 1.00 |
| 6628266 | 3022 | 1335-1358764-3022B | 2016-08-11 | Porites porites | 1.00 |
| 6776337 | 3022 | 1375-965172-3022B | 2018-08-13 | Siderastrea radians | 1.00 |
| 6581197 | 3022 | 1391-895691-3022B | 2014-08-11 | Porites furcata | 1.00 |
| 6787599 | 3022 | 1446-871567-3022B | 2014-08-09 | Porites astreoides | 1.00 |
| 6577438 | 3022 | 1453-852496-3022B | 2014-08-04 | Agaricia spp. | 0.00 |
| 6763652 | 3022 | 1473-3603970-3022B | 2022-08-05 | Agaricia agaricites | 1.00 |
| 6792037 | 3022 | 1669-1969230-3022B | 2018-09-25 | Porites porites | 1.00 |
| 6761283 | 3022 | 2050-821367-3022B | 2016-05-20 | Agaricia agaricites | 1.00 |
| 6637536 | 3022 | 2061-599835-3022B | 2021-08-23 | Stephanocoenia intersepta | 1.00 |
| 6759333 | 3022 | 2152-602695-3022B | 2021-08-23 | Agaricia agaricites | 1.00 |
| 6589190 | 3022 | 2159-1621483-3022B | 2018-07-15 | Porites porites | 1.00 |
| 6742531 | 3022 | 2175-1438738-3022B | 2014-07-20 | Porites porites | 1.50 |
| 6842325 | 3022 | 2205-1385188-3022B | 2016-05-16 | Acropora cervicornis | 1.00 |
| 6757361 | 3022 | 2207-1424177-3022B | 2016-05-17 | Porites porites | 1.00 |
| 6836151 | 3022 | 2227-633796-3022B | 2022-09-09 | Porites porites | 1.00 |
| 6811621 | 3022 | 2597-1604607-3022B | 2016-05-18 | Acropora cervicornis | 1.00 |
| 6804087 | 3022 | 2669-1356987-3022B | 2014-07-21 | Stephanocoenia intersepta | 0.35 |
| 6816068 | 3022 | 3095-1480105-3022B | 2020-09-15 | Porites porites | 1.00 |
| 6847784 | 3022 | 3157-723185-3022B | 2022-08-11 | Siderastrea radians | 1.00 |
| 6630533 | 3022 | 3280-71981-3022B | 2016-09-03 | Siderastrea siderea | 1.00 |
| 6785229 | 3022 | 3582-364828-3022B | 2014-10-01 | Porites astreoides | 1.00 |
| 6221113 | 4019 | IRMA_056 | 2017-10-09 | Acropora cervicornis | 1.00 |
| 6203188 | 4019 | IRMA_089 | 2017-10-17 | Acropora cervicornis | 1.00 |
| 6854927 | 5040 | Grouper Reef-2 | 2018-01-24 | Montastraea cavernosa | 1.00 |
| 6870372 | 5040 | Grouper Reef-2 | 2018-01-24 | Montastraea cavernosa | 1.50 |

Programs containing flagged data:

136 - Population Status of Elkhorn Coral
 981 - Florida Reef Resilience Program
 3022 - National Coral Reef Monitoring Program (NCRMP)
 4019 - Post-Hurricane Irma Rapid Assessment
 5040 - Coral Disease Monitoring Sentinel Sites

There are no *Low* Quantile Flagged Values for Percent Cover

There are no *Low* Quantile Flagged Values for Percent Live Tissue

High Quantile

Indicator: Community Composition

Colony Density

Table 6: Flagged Values - High Indicator Quantile: **37.531**

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|---------------------------|-------------|
| 6340429 | 4019 | IRMA_004 | 2017-10-12 | Siderastrea siderea | 45 |
| 6304509 | 4019 | IRMA_016 | 2017-10-12 | Siderastrea siderea | 41 |
| 6268169 | 4019 | IRMA_031 | 2017-10-16 | Stephanocoenia intersepta | 47 |
| 6286396 | 4019 | IRMA_031 | 2017-10-16 | Siderastrea siderea | 97 |
| 6286438 | 4019 | IRMA_032 | 2017-10-15 | Siderastrea siderea | 86 |
| 6267673 | 4019 | IRMA_035 | 2017-10-17 | Siderastrea siderea | 109 |
| 6297125 | 4019 | IRMA_035 | 2017-10-17 | Stephanocoenia intersepta | 51 |
| 6306310 | 4019 | IRMA_035 | 2017-10-17 | Montastraea cavernosa | 45 |
| 6265742 | 4019 | IRMA_036 | 2017-10-17 | Stephanocoenia intersepta | 53 |
| 6304422 | 4019 | IRMA_036 | 2017-10-17 | Siderastrea siderea | 43 |
| 6267267 | 4019 | IRMA_038 | 2017-10-14 | Siderastrea siderea | 72 |
| 6286462 | 4019 | IRMA_043 | 2017-10-12 | Siderastrea siderea | 76 |
| 6269145 | 4019 | IRMA_045 | 2017-10-16 | Siderastrea siderea | 39 |
| 6267272 | 4019 | IRMA_046 | 2017-10-15 | Siderastrea siderea | 54 |
| 6294222 | 4019 | IRMA_051 | 2017-10-16 | Stephanocoenia intersepta | 69 |
| 6307327 | 4019 | IRMA_051 | 2017-10-16 | Siderastrea siderea | 69 |
| 6265744 | 4019 | IRMA_052 | 2017-10-17 | Stephanocoenia intersepta | 53 |
| 6269040 | 4019 | IRMA_052 | 2017-10-17 | Siderastrea siderea | 100 |
| 6296606 | 4019 | IRMA_053 | 2017-10-14 | Siderastrea siderea | 41 |
| 6340431 | 4019 | IRMA_064 | 2017-10-15 | Siderastrea siderea | 56 |
| 6296595 | 4019 | IRMA_067 | 2017-10-14 | Siderastrea siderea | 55 |
| 6269037 | 4019 | IRMA_069 | 2017-10-16 | Siderastrea siderea | 42 |
| 6285590 | 4019 | IRMA_070 | 2017-10-16 | Stephanocoenia intersepta | 61 |
| 6304508 | 4019 | IRMA_070 | 2017-10-16 | Siderastrea siderea | 71 |
| 6304423 | 4019 | IRMA_073 | 2017-10-14 | Siderastrea siderea | 70 |
| 6286137 | 4019 | IRMA_074 | 2017-10-14 | Porites astreoides | 48 |
| 6340430 | 4019 | IRMA_074 | 2017-10-14 | Siderastrea siderea | 51 |
| 6269148 | 4019 | IRMA_075 | 2017-10-16 | Siderastrea siderea | 39 |
| 6296361 | 4019 | IRMA_081 | 2017-10-18 | Porites astreoides | 40 |
| 6340432 | 4019 | IRMA_086 | 2017-10-15 | Siderastrea siderea | 54 |
| 6268933 | 4019 | IRMA_087 | 2017-10-17 | Porites astreoides | 150 |
| 6304507 | 4019 | IRMA_095 | 2017-10-12 | Siderastrea siderea | 63 |
| 6300731 | 4019 | IRMA_096 | 2017-10-13 | Siderastrea siderea | 38 |
| 6267211 | 4019 | IRMA_097 | 2017-10-15 | Siderastrea siderea | 50 |
| 6307323 | 4019 | IRMA_099 | 2017-10-17 | Siderastrea siderea | 96 |
| 6268934 | 4019 | IRMA_102 | 2017-10-09 | Porites astreoides | 50 |
| 6307324 | 4019 | IRMA_104 | 2017-10-16 | Siderastrea siderea | 41 |
| 6265892 | 4019 | IRMA_105 | 2017-10-16 | Stephanocoenia intersepta | 42 |
| 6340433 | 4019 | IRMA_105 | 2017-10-16 | Siderastrea siderea | 57 |
| 6296608 | 4019 | IRMA_109 | 2017-10-16 | Siderastrea siderea | 145 |
| 6305965 | 4019 | IRMA_109 | 2017-10-16 | Stephanocoenia intersepta | 61 |
| 6296593 | 4019 | IRMA_115 | 2017-10-13 | Siderastrea siderea | 55 |
| 6254184 | 5042 | Irma 4 | 2018-01-01 | Montastraea cavernosa | 38 |

Programs containing flagged data:

4019 - Post-Hurricane Irma Rapid Assessment
5042 - 2017 Coral Disease Boundary Survey

CountTable 7: Flagged Values - High Indicator Quantile: **1000**

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|---------------------------|-------------|
| 6359288 | 3024 | 40 | 2004-07-28 | Unidentified fish | 2000 |
| 6342134 | 3024 | 40 | 2004-08-18 | Unidentified fish | 2000 |
| 6184022 | 3024 | 65 | 1997-08-16 | Eucinostomus melanopterus | 2000 |
| 6184347 | 3024 | 91 | 2004-08-05 | Unidentified fish | 2000 |
| 6221658 | 3024 | 91 | 2004-08-05 | Unidentified fish | 3000 |

Programs containing flagged data:

3024 - Palm Beach County Artificial and Natural Reef Monitoring Program

There are no *High* Quantile Flagged Values for Presence/Absence

Indicator: Grazers and Reef Dependent Species

Count

Table 8: Flagged Values - High Indicator Quantile: **1000**

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|------------------------|-------------|
| 6202614 | 3024 | 10 | 2011-04-23 | Haemulon aurolineatum | 2000 |
| 6174187 | 3024 | 100 | 2001-07-21 | Haemulidae | 2000 |
| 6193617 | 3024 | 105 | 1997-11-15 | Haemulon melanurum | 2000 |
| 6415785 | 3024 | 115 | 2006-06-20 | Haemulon aurolineatum | 6000 |
| 6286003 | 3024 | 125 | 2000-05-20 | Haemulidae | 2000 |
| 6352549 | 3024 | 125 | 2001-04-07 | Haemulidae | 2000 |
| 6168636 | 3024 | 133 | 2008-06-14 | Haemulon aurolineatum | 3000 |
| 6165664 | 3024 | 136 | 2008-07-26 | Haemulon aurolineatum | 5000 |
| 6424400 | 3024 | 184 | 2009-06-18 | Haemulidae | 2000 |
| 6209368 | 3024 | 194 | 2012-08-04 | Decapterus macarellus | 4000 |
| 6279177 | 3024 | 200 | 2011-09-17 | Haemulon aurolineatum | 2000 |
| 6349602 | 3024 | 229 | 2014-06-07 | Selar crumenophthalmus | 2000 |
| 6179994 | 3024 | 23 | 1997-09-20 | Haemulon chrysargyreum | 1500 |
| 6187199 | 3024 | 23 | 1997-09-20 | Haemulon aurolineatum | 2000 |
| 6218649 | 3024 | 23 | 1997-09-20 | Haemulon aurolineatum | 1500 |
| 6243291 | 3024 | 23 | 2000-06-03 | Haemulon aurolineatum | 1200 |
| 6359898 | 3024 | 27 | 2007-01-20 | Haemulon aurolineatum | 5000 |
| 6285284 | 3024 | 46 | 2006-11-18 | Haemulon aurolineatum | 4000 |
| 6346299 | 3024 | 46 | 2006-11-18 | Haemulon aurolineatum | 1015 |
| 6352275 | 3024 | 55 | 2002-07-17 | Haemulon aurolineatum | 1015 |
| 6150200 | 3024 | 56 | 2008-05-31 | Haemulon aurolineatum | 1500 |
| 6181086 | 3024 | 56 | 2008-05-31 | Haemulon aurolineatum | 2000 |
| 6351518 | 3024 | 6 | 2001-07-17 | Decapterus punctatus | 2000 |
| 6361844 | 3024 | 6 | 2001-07-17 | Haemulon aurolineatum | 2000 |
| 6171958 | 3024 | 65 | 1998-02-14 | Haemulon aurolineatum | 1100 |
| 6172649 | 3024 | 65 | 1999-09-11 | Haemulidae | 2000 |
| 6370582 | 3024 | 65 | 2001-12-16 | Haemulon aurolineatum | 1500 |
| 6385563 | 3024 | 65 | 2001-12-16 | Anisotremus virginicus | 2000 |
| 6173517 | 3024 | 81 | 2002-05-11 | Haemulon aurolineatum | 4000 |

Programs containing flagged data:

3024 - Palm Beach County Artificial and Natural Reef Monitoring Program

There are no *High* Quantile Flagged Values for Presence/Absence

There are no *High* Quantile Flagged Values for Standard Length

Indicator: Percent Cover

Colony Diameter

Table 9: Flagged Values - High Indicator Quantile: **240**

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|-----------------------|-------------|
| 101591 | 169 | 100-2006 | 2006-12-31 | Acropora palmata | 250 |
| 27452 | 169 | 125C | 2009-12-31 | Orbicella faveolata | 245 |
| 185284 | 169 | 217-2007 | 2007-12-31 | Acropora palmata | 270 |
| 120304 | 169 | 241C | 1999-12-31 | Orbicella faveolata | 294 |
| 126674 | 169 | 241C | 1999-12-31 | Orbicella faveolata | 385 |
| 185361 | 169 | 241C | 1999-12-31 | Orbicella faveolata | 250 |
| 120588 | 169 | 242C | 1999-12-31 | Orbicella faveolata | 300 |
| 185990 | 169 | 242C | 1999-12-31 | Orbicella faveolata | 255 |
| 132603 | 169 | 244C | 2009-12-31 | Orbicella faveolata | 510 |
| 290439 | 169 | 244C | 2009-12-31 | Orbicella faveolata | 305 |
| 125952 | 169 | 245C | 1999-12-31 | Orbicella faveolata | 265 |
| 143235 | 169 | 245C | 1999-12-31 | Orbicella faveolata | 334 |
| 18224 | 169 | 246C | 2005-12-31 | Acropora palmata | 390 |
| 322930 | 169 | 272-2011 | 2011-12-31 | Acropora palmata | 268 |
| 66119 | 169 | 28-2007 | 2007-12-31 | Acropora palmata | 283 |
| 158375 | 169 | 29C | 1999-12-31 | Orbicella faveolata | 250 |
| 1670214 | 169 | 338C | 2009-12-31 | Orbicella annularis | 360 |
| 1800106 | 169 | 338C | 2009-12-31 | Orbicella annularis | 280 |
| 1998065 | 169 | 338C | 2009-12-31 | Orbicella annularis | 350 |
| 66674 | 169 | 364C | 1999-12-31 | Orbicella faveolata | 265 |
| 101025 | 169 | 364C | 1999-12-31 | Siderastrea siderea | 315 |
| 52416 | 169 | 39-2006 | 2006-12-31 | Acropora palmata | 280 |
| 114794 | 169 | 41C | 2000-12-31 | Orbicella faveolata | 260 |
| 88162 | 169 | 45C | 2002-12-31 | Orbicella franksi | 250 |
| 15857 | 169 | 471C | 2005-12-31 | Orbicella faveolata | 295 |
| 49811 | 169 | 471C | 2005-12-31 | Orbicella annularis | 270 |
| 20404 | 169 | 473C | 2009-12-31 | Orbicella faveolata | 285 |
| 159362 | 169 | 496C | 2000-12-31 | Orbicella franksi | 255 |
| 196096 | 169 | 500C | 1999-12-31 | Orbicella faveolata | 280 |
| 1503 | 169 | 607C | 2009-12-31 | Orbicella annularis | 360 |
| 1690 | 169 | 607C | 2009-12-31 | Orbicella annularis | 400 |
| 3591 | 169 | 607C | 2009-12-31 | Orbicella annularis | 250 |
| 90610 | 169 | 622C | 2005-12-31 | Orbicella faveolata | 280 |
| 105279 | 169 | 622C | 2005-12-31 | Montastraea cavernosa | 245 |
| 127870 | 169 | 622C | 2005-12-31 | Orbicella faveolata | 285 |
| 100515 | 169 | 639C | 2005-12-31 | Orbicella faveolata | 340 |
| 119340 | 169 | 639C | 2005-12-31 | Orbicella faveolata | 250 |
| 125995 | 169 | 639C | 2005-12-31 | Orbicella faveolata | 325 |
| 127993 | 169 | 639C | 2005-12-31 | Orbicella faveolata | 380 |
| 143271 | 169 | 639C | 2005-12-31 | Orbicella faveolata | 370 |
| 8755 | 169 | 648C | 2009-12-31 | Dendrogyra cylindrus | 260 |
| 36296 | 169 | 674C | 1999-12-31 | Orbicella faveolata | 270 |
| 37183 | 169 | 674C | 1999-12-31 | Orbicella faveolata | 410 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|--------------------|------------|---------------------|-------------|
| 41988 | 169 | 674C | 1999-12-31 | Orbicella faveolata | 355 |
| 36443 | 169 | 700C | 1999-12-31 | Orbicella faveolata | 300 |
| 41343 | 169 | 701C | 1999-12-31 | Orbicella faveolata | 270 |
| 70190 | 169 | 754C | 1999-12-31 | Orbicella faveolata | 310 |
| 139700 | 169 | 815C | 2005-12-31 | Acropora palmata | 320 |
| 186204 | 169 | 815C | 2005-12-31 | Acropora palmata | 315 |
| 276516 | 169 | A425-2012 | 2012-12-31 | Acropora palmata | 278 |
| 6884344 | 3022 | 1063-2293416-3022B | 2022-07-13 | Orbicella faveolata | 370 |
| 6652039 | 3022 | 1130-1940938-3022B | 2014-09-19 | Orbicella faveolata | 245 |
| 6838755 | 3022 | 1133-1856327-3022B | 2014-07-24 | Colpophyllia natans | 245 |
| 6832513 | 3022 | 1148-1901802-3022B | 2014-06-30 | Orbicella faveolata | 280 |
| 6855960 | 3022 | 1148-1901802-3022B | 2014-06-30 | Orbicella faveolata | 285 |
| 6793336 | 3022 | 1201-1917232-3022B | 2016-12-07 | Orbicella faveolata | 500 |
| 6858417 | 3022 | 1201-1917232-3022B | 2016-12-07 | Orbicella faveolata | 270 |
| 6652984 | 3022 | 1297-1809650-3022B | 2014-10-17 | Orbicella faveolata | 290 |
| 6837682 | 3022 | 1299-1795185-3022B | 2014-10-18 | Colpophyllia natans | 250 |
| 6652987 | 3022 | 1325-1030082-3022B | 2014-08-06 | Orbicella faveolata | 385 |
| 6859145 | 3022 | 1326-1171995-3022B | 2014-08-24 | Orbicella faveolata | 245 |
| 6781133 | 3022 | 1327-1248516-3022B | 2015-05-08 | Orbicella faveolata | 300 |
| 6859948 | 3022 | 1327-1248516-3022B | 2015-05-08 | Orbicella faveolata | 340 |
| 6859872 | 3022 | 1350-1214471-3022B | 2016-07-13 | Orbicella annularis | 380 |
| 6847079 | 3022 | 1381-2055312-3022B | 2022-07-15 | Orbicella faveolata | 260 |
| 6793357 | 3022 | 1412-1112984-3022B | 2016-07-14 | Orbicella faveolata | 260 |
| 6956252 | 3022 | 1421-1337948-3022B | 2015-06-23 | Orbicella annularis | 350 |
| 6856512 | 3022 | 1429-1138019-3022B | 2014-08-14 | Orbicella faveolata | 260 |
| 6840299 | 3022 | 1639-1509874-3022B | 2014-11-09 | Orbicella faveolata | 290 |
| 6838929 | 3022 | 2160-1618180-3022B | 2016-05-12 | Orbicella franksi | 300 |
| 6843160 | 3022 | 2239-1552551-3022B | 2018-08-24 | Orbicella annularis | 315 |
| 6886708 | 3022 | 2313-510699-3022B | 2022-09-09 | Orbicella faveolata | 430 |
| 6854621 | 3022 | 2329-265062-3022B | 2021-09-17 | Orbicella faveolata | 307 |
| 6852937 | 3022 | 2332-1345237-3022B | 2018-08-21 | Orbicella faveolata | 350 |
| 6659956 | 3022 | 2777-1500208-3022B | 2018-08-28 | Orbicella faveolata | 250 |
| 6843113 | 3022 | 2800-512034-3022B | 2021-08-24 | Orbicella faveolata | 300 |

Programs containing flagged data:

169 - Abundance, Distribution, and Condition of Acropora Corals, Other Benthic Coral Reef Organisms, and Marine Debris (SCREAM)

3022 - National Coral Reef Monitoring Program (NCRMP)

Colony Height

Table 10: Flagged Values - High Indicator Quantile: **155**

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|---------------------|-------------|
| 1094402 | 136 | SI2 | 2017-09-29 | Acropora palmata | 159 |
| 1294912 | 136 | SI2 | 2022-11-14 | Acropora palmata | 170 |
| 1136473 | 136 | TR1 | 2015-07-22 | Acropora palmata | 177 |
| 1320496 | 136 | TR1 | 2015-07-22 | Acropora palmata | 201 |
| 9290 | 169 | 116C | 2001-12-31 | Orbicella faveolata | 187 |
| 133241 | 169 | 238C | 2000-12-31 | Orbicella faveolata | 200 |
| 91442 | 169 | 239C | 2009-12-31 | Orbicella faveolata | 190 |
| 145481 | 169 | 241C | 1999-12-31 | Orbicella faveolata | 205 |
| 206004 | 169 | 241C | 1999-12-31 | Orbicella faveolata | 245 |
| 92437 | 169 | 242C | 1999-12-31 | Orbicella faveolata | 175 |
| 145815 | 169 | 242C | 1999-12-31 | Orbicella faveolata | 177 |
| 71833 | 169 | 244C | 2009-12-31 | Orbicella annularis | 160 |
| 71834 | 169 | 244C | 2009-12-31 | Orbicella faveolata | 160 |
| 91487 | 169 | 244C | 2009-12-31 | Orbicella faveolata | 240 |
| 155181 | 169 | 245C | 1999-12-31 | Orbicella faveolata | 182 |
| 169514 | 169 | 245C | 1999-12-31 | Orbicella faveolata | 170 |
| 75897 | 169 | 273-2011 | 2011-12-31 | Acropora palmata | 319 |
| 31503 | 169 | 276-2011 | 2011-12-31 | Acropora palmata | 245 |
| 118477 | 169 | 292C | 2000-12-31 | Orbicella faveolata | 158 |
| 96279 | 169 | 29C | 1999-12-31 | Orbicella faveolata | 200 |
| 1964904 | 169 | 338C | 2009-12-31 | Orbicella annularis | 165 |
| 82007 | 169 | 347C | 1999-12-31 | Orbicella faveolata | 210 |
| 114059 | 169 | 347C | 1999-12-31 | Orbicella faveolata | 205 |
| 91144 | 169 | 39-2006 | 2006-12-31 | Acropora palmata | 190 |
| 94012 | 169 | 405C | 2000-12-31 | Orbicella faveolata | 230 |
| 99536 | 169 | 45C | 2002-12-31 | Orbicella franksi | 160 |
| 60566 | 169 | 471C | 2005-12-31 | Orbicella faveolata | 160 |
| 145899 | 169 | 505C | 2000-12-31 | Orbicella franksi | 170 |
| 102747 | 169 | 517C | 2006-12-31 | Colpophyllia natans | 185 |
| 2393 | 169 | 576C | 2001-12-31 | Orbicella faveolata | 180 |
| 62344 | 169 | 577C | 2001-12-31 | Colpophyllia natans | 175 |
| 87055 | 169 | 580C | 2005-12-31 | Orbicella faveolata | 160 |
| 52551 | 169 | 59C | 2005-12-31 | Orbicella faveolata | 180 |
| 81715 | 169 | 622C | 2005-12-31 | Orbicella faveolata | 225 |
| 81716 | 169 | 622C | 2005-12-31 | Orbicella faveolata | 200 |
| 133826 | 169 | 622C | 2005-12-31 | Orbicella faveolata | 280 |
| 151358 | 169 | 622C | 2005-12-31 | Orbicella faveolata | 160 |
| 152851 | 169 | 622C | 2005-12-31 | Orbicella faveolata | 240 |
| 152853 | 169 | 622C | 2005-12-31 | Orbicella faveolata | 170 |
| 192773 | 169 | 622C | 2005-12-31 | Orbicella faveolata | 165 |
| 113680 | 169 | 639C | 2005-12-31 | Orbicella faveolata | 170 |
| 151465 | 169 | 639C | 2005-12-31 | Orbicella faveolata | 180 |
| 154192 | 169 | 639C | 2005-12-31 | Orbicella faveolata | 200 |
| 154229 | 169 | 639C | 2005-12-31 | Orbicella faveolata | 160 |
| 41472 | 169 | 674C | 1999-12-31 | Orbicella faveolata | 168 |
| 41473 | 169 | 674C | 1999-12-31 | Orbicella faveolata | 200 |
| 49336 | 169 | 674C | 1999-12-31 | Orbicella faveolata | 157 |
| 81577 | 169 | 6C | 1999-12-31 | Orbicella faveolata | 305 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|-----------------------|-------------|
| 38305 | 169 | 700C | 1999-12-31 | Orbicella faveolata | 165 |
| 38551 | 169 | 701C | 1999-12-31 | Orbicella faveolata | 160 |
| 171739 | 169 | 714C | 2005-12-31 | Orbicella faveolata | 200 |
| 53120 | 169 | 74C | 2001-12-31 | Dendrogyra cylindrus | 185 |
| 2274 | 169 | 754C | 1999-12-31 | Orbicella faveolata | 200 |
| 163535 | 169 | 891C | 2002-12-31 | Millepora alcicornis | 200 |
| 6982090 | 981 | C1094 | 2006-09-18 | Orbicella faveolata | 185 |
| 6959098 | 981 | C4110 | 2006-09-13 | Orbicella faveolata | 200 |
| 6036140 | 981 | E1160 | 2008-08-06 | Siderastrea siderea | 200 |
| 6979067 | 981 | F1007 | 2009-09-09 | Orbicella faveolata | 205 |
| 6141702 | 981 | F1077 | 2009-08-04 | Orbicella annularis | 160 |
| 6134191 | 981 | F1080 | 2009-08-04 | Orbicella faveolata | 170 |
| 6761919 | 981 | I1343 | 2010-08-20 | Montastraea cavernosa | 160 |
| 6947585 | 981 | I1347 | 2010-08-20 | Orbicella faveolata | 200 |
| 6015641 | 981 | I1355 | 2010-08-13 | Orbicella faveolata | 300 |
| 6906530 | 981 | I1377 | 2010-08-12 | Orbicella annularis | 160 |
| 6906531 | 981 | I1377 | 2010-08-12 | Orbicella annularis | 190 |
| 6963694 | 981 | I1377 | 2010-08-12 | Orbicella annularis | 210 |
| 6976035 | 981 | I1377 | 2010-08-12 | Orbicella annularis | 180 |
| 6966655 | 981 | I1410 | 2010-08-03 | Orbicella annularis | 220 |
| 6967649 | 981 | I1435 | 2010-08-17 | Montastraea cavernosa | 178 |
| 6177115 | 981 | J2840 | 2011-09-16 | Orbicella faveolata | 168 |
| 6137827 | 981 | K1044 | 2012-10-09 | Colpophyllia natans | 188 |
| 6013245 | 981 | K1133 | 2012-09-18 | Orbicella faveolata | 160 |
| 6174471 | 981 | K1211 | 2012-10-15 | Siderastrea radians | 156 |
| 6114602 | 981 | K2256 | 2012-09-24 | Orbicella faveolata | 165 |
| 6217411 | 981 | L1036 | 2013-10-16 | Orbicella faveolata | 160 |
| 6235993 | 981 | L1036 | 2013-10-16 | Orbicella faveolata | 180 |
| 6253146 | 981 | L2109 | 2013-10-07 | Orbicella faveolata | 200 |
| 6223785 | 981 | L2159 | 2013-10-08 | Montastraea cavernosa | 170 |
| 6282675 | 981 | L2159 | 2013-10-08 | Colpophyllia natans | 170 |
| 6058058 | 981 | M1109 | 2014-10-06 | Orbicella faveolata | 160 |
| 6034918 | 981 | M1231 | 2014-09-21 | Orbicella faveolata | 200 |
| 6037609 | 981 | M1235 | 2014-09-09 | Orbicella faveolata | 400 |
| 6037005 | 981 | M2434 | 2014-09-19 | Montastraea cavernosa | 276 |
| 6896107 | 981 | MQ2 | 2019-08-21 | Orbicella faveolata | 176 |
| 6040146 | 981 | O1257 | 2015-09-10 | Orbicella faveolata | 180 |
| 6042156 | 981 | O1313 | 2015-09-23 | Orbicella faveolata | 200 |
| 6050630 | 981 | O1313 | 2015-09-23 | Orbicella faveolata | 180 |
| 6037132 | 981 | O3086 | 2015-09-23 | Orbicella faveolata | 180 |
| 6044641 | 981 | O3086 | 2015-09-23 | Orbicella faveolata | 200 |
| 6061897 | 981 | O3086 | 2015-09-23 | Orbicella faveolata | 160 |
| 6918433 | 981 | O3137 | 2015-10-14 | Orbicella faveolata | 160 |
| 6913552 | 981 | Q1193 | 2016-09-12 | Orbicella annularis | 200 |
| 6913553 | 981 | Q1193 | 2016-09-12 | Orbicella annularis | 400 |
| 6956311 | 981 | Q1193 | 2016-09-12 | Orbicella annularis | 300 |
| 6939891 | 981 | Q1217 | 2016-09-06 | Orbicella annularis | 225 |
| 6896141 | 981 | R3004 | 2017-08-17 | Orbicella faveolata | 170 |
| 6935591 | 981 | R3005 | 2017-08-17 | Montastraea cavernosa | 170 |
| 6737281 | 981 | S1158 | 2018-10-11 | Siderastrea siderea | 500 |
| 6740344 | 981 | S1253 | 2018-08-27 | Montastraea cavernosa | 300 |
| 6896165 | 981 | S3010 | 2018-09-20 | Orbicella faveolata | 170 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|-----------------------|-------------|
| 6969062 | 981 | S3010 | 2018-09-20 | Orbicella faveolata | 185 |
| 6971539 | 981 | S3010 | 2018-09-20 | Orbicella faveolata | 230 |
| 6854957 | 981 | T2249 | 2019-08-16 | Orbicella faveolata | 190 |
| 6934565 | 981 | T2249 | 2019-08-16 | Orbicella faveolata | 225 |
| 6969004 | 981 | T3003 | 2019-08-28 | Orbicella faveolata | 200 |
| 6970912 | 981 | T3037 | 2019-10-22 | Orbicella faveolata | 165 |
| 6973323 | 981 | U1219-2 | 2020-09-20 | Orbicella faveolata | 160 |
| 6750731 | 981 | U1279 | 2020-10-12 | Colpophyllia natans | 300 |
| 6732435 | 981 | U1399 | 2020-10-30 | Montastraea cavernosa | 210 |
| 6932190 | 981 | U1568 | 2020-10-12 | Orbicella faveolata | 252 |
| 6932191 | 981 | U1568 | 2020-10-12 | Orbicella faveolata | 190 |
| 6977588 | 981 | U1653 | 2020-10-11 | Orbicella faveolata | 193 |
| 6925627 | 981 | U2494 | 2020-09-18 | Orbicella annularis | 165 |
| 6732156 | 981 | U3050 | 2020-09-18 | Orbicella faveolata | 170 |
| 6956961 | 981 | UMQ20-16 | 2020-08-30 | Montastraea cavernosa | 200 |
| 6918181 | 981 | V1244 | 2021-09-23 | Orbicella annularis | 160 |
| 6935289 | 981 | V1330 | 2021-09-08 | Siderastrea siderea | 165 |
| 6950008 | 981 | V1548 | 2021-09-17 | Orbicella faveolata | 199 |
| 6880268 | 981 | V1555 | 2021-09-17 | Orbicella faveolata | 193 |
| 6978217 | 981 | V3069 | 2021-10-15 | Montastraea cavernosa | 175 |
| 6936917 | 981 | W1186 | 2022-10-14 | Orbicella faveolata | 165 |
| 6302162 | 981 | W1246 | 2022-10-17 | Orbicella annularis | 255 |
| 6743210 | 981 | W1246 | 2022-10-17 | Orbicella annularis | 190 |
| 6743211 | 981 | W1246 | 2022-10-17 | Orbicella annularis | 195 |
| 6308012 | 981 | W1250 | 2022-09-14 | Siderastrea siderea | 180 |
| 6308013 | 981 | W1250 | 2022-09-14 | Orbicella annularis | 180 |
| 6345131 | 981 | W1250 | 2022-09-14 | Orbicella annularis | 170 |
| 6981409 | 981 | W1251 | 2022-09-14 | Orbicella faveolata | 210 |
| 6981615 | 981 | W1251 | 2022-09-14 | Colpophyllia natans | 175 |
| 6743656 | 981 | W1372 | 2022-10-25 | Orbicella faveolata | 158 |
| 6750264 | 981 | W3020 | 2022-09-22 | Orbicella faveolata | 160 |
| 6141883 | 981 | Y1192 | 2023-09-14 | Orbicella faveolata | 195 |
| 6184005 | 981 | Y1243 | 2023-09-01 | Orbicella faveolata | 180 |
| 6199007 | 981 | Y1250 | 2023-09-14 | Orbicella annularis | 165 |
| 6156909 | 981 | Y1272 | 2023-09-14 | Orbicella faveolata | 225 |
| 6127420 | 981 | Y1291 | 2023-09-19 | Siderastrea siderea | 200 |
| 6144962 | 981 | Y1291 | 2023-09-19 | Montastraea cavernosa | 300 |
| 6185524 | 981 | Y1294 | 2023-09-19 | Orbicella faveolata | 220 |
| 6186362 | 981 | Y1294 | 2023-09-19 | Orbicella faveolata | 275 |
| 6262920 | 981 | Y1294 | 2023-09-19 | Orbicella faveolata | 190 |
| 6142451 | 981 | Y1298 | 2023-10-06 | Orbicella faveolata | 200 |
| 6240671 | 981 | Y1300 | 2023-10-21 | Orbicella faveolata | 180 |
| 6145339 | 981 | Y1305 | 2023-10-11 | Siderastrea siderea | 200 |
| 6241961 | 981 | Y1341 | 2023-09-29 | Orbicella annularis | 200 |
| 6230590 | 981 | Y1347 | 2023-09-29 | Orbicella faveolata | 300 |
| 6144475 | 981 | Y1349 | 2023-09-06 | Orbicella annularis | 160 |
| 6151280 | 981 | Y1384 | 2023-09-19 | Orbicella faveolata | 170 |
| 6165117 | 981 | Y1384 | 2023-09-19 | Orbicella annularis | 170 |
| 6166896 | 981 | Y1384 | 2023-09-19 | Orbicella faveolata | 250 |
| 6149795 | 981 | Y1406 | 2023-09-19 | Montastraea cavernosa | 163 |
| 6196936 | 981 | Y1434 | 2023-09-16 | Orbicella faveolata | 170 |
| 6176560 | 981 | Y1469 | 2023-09-11 | Orbicella faveolata | 200 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|--------------------|------------|-----------------------|-------------|
| 6087882 | 981 | Y3005 | 2023-07-17 | Orbicella annularis | 160 |
| 6100961 | 981 | Y3007 | 2023-07-31 | Orbicella faveolata | 190 |
| 6098090 | 981 | Y3038 | 2023-09-10 | Orbicella faveolata | 170 |
| 6171514 | 981 | YMQ23-19 | 2023-10-06 | Orbicella faveolata | 191 |
| 6648248 | 3022 | 1129-1938807-3022B | 2014-09-15 | Orbicella faveolata | 190 |
| 6658390 | 3022 | 1150-1836013-3022B | 2014-09-07 | Orbicella faveolata | 185 |
| 6700902 | 3022 | 1201-1917232-3022B | 2016-12-07 | Orbicella faveolata | 200 |
| 6533394 | 3022 | 1231-1792899-3022B | 2014-10-18 | Orbicella faveolata | 200 |
| 6623430 | 3022 | 1231-1792899-3022B | 2014-10-18 | Orbicella faveolata | 180 |
| 6533438 | 3022 | 1297-1809650-3022B | 2014-10-17 | Orbicella faveolata | 195 |
| 6658450 | 3022 | 1297-1809650-3022B | 2014-10-17 | Orbicella faveolata | 190 |
| 6658507 | 3022 | 1325-1030082-3022B | 2014-08-06 | Orbicella faveolata | 190 |
| 6533471 | 3022 | 1327-1248516-3022B | 2015-05-08 | Orbicella faveolata | 165 |
| 6682017 | 3022 | 1327-1248516-3022B | 2015-05-08 | Orbicella faveolata | 210 |
| 6692182 | 3022 | 1327-1248516-3022B | 2015-05-08 | Orbicella faveolata | 180 |
| 6547272 | 3022 | 1333-1687187-3022B | 2018-08-15 | Orbicella faveolata | 170 |
| 6690345 | 3022 | 1334-1006382-3022B | 2014-08-12 | Orbicella faveolata | 190 |
| 6742971 | 3022 | 1412-1112984-3022B | 2016-07-14 | Orbicella faveolata | 175 |
| 6529778 | 3022 | 1429-1138019-3022B | 2014-08-14 | Orbicella faveolata | 190 |
| 6701792 | 3022 | 1429-1138019-3022B | 2014-08-14 | Orbicella faveolata | 175 |
| 6673708 | 3022 | 1433-1009004-3022B | 2014-08-14 | Acropora cervicornis | 325 |
| 6676808 | 3022 | 1443-920017-3022B | 2014-08-12 | Orbicella faveolata | 250 |
| 6676811 | 3022 | 1639-1509874-3022B | 2014-11-09 | Orbicella faveolata | 180 |
| 6715257 | 3022 | 2160-1618180-3022B | 2016-05-12 | Orbicella franksi | 200 |
| 6753217 | 3022 | 2250-1351132-3022B | 2016-05-16 | Orbicella faveolata | 230 |
| 6544856 | 3022 | 2260-1382491-3022B | 2018-08-27 | Montastraea cavernosa | 300 |
| 6664699 | 3022 | 2311-375135-3022B | 2021-09-17 | Orbicella faveolata | 199 |
| 6662879 | 3022 | 2329-265062-3022B | 2021-09-17 | Orbicella faveolata | 193 |
| 6560132 | 3022 | 2334-1483795-3022B | 2016-06-04 | Orbicella faveolata | 180 |
| 6753256 | 3022 | 2598-1345270-3022B | 2016-05-19 | Orbicella faveolata | 190 |
| 6966116 | 3022 | 9001-2472501-3022B | 2022-11-01 | Orbicella annularis | 180 |
| 6743422 | 3022 | 9088-2166134-3022B | 2022-08-19 | Orbicella faveolata | 170 |
| 6740045 | 3022 | 9091-2169455-3022B | 2022-08-18 | Orbicella faveolata | 160 |
| 6740048 | 3022 | 9215-3452882-3022B | 2022-10-31 | Orbicella faveolata | 210 |
| 6682407 | 3022 | 9228-3837275-3022B | 2022-08-23 | Orbicella faveolata | 190 |
| 6770771 | 3022 | 9228-3837275-3022B | 2022-08-23 | Orbicella faveolata | 170 |
| 6184878 | 4019 | IRMA_069 | 2017-10-16 | Orbicella faveolata | 200 |
| 6211979 | 4019 | IRMA_069 | 2017-10-16 | Orbicella faveolata | 220 |
| 6184370 | 4019 | IRMA_075 | 2017-10-16 | Orbicella faveolata | 170 |
| 6207395 | 4019 | IRMA_099 | 2017-10-17 | Orbicella faveolata | 180 |
| 6203011 | 4019 | IRMA_108 | 2017-10-09 | Orbicella faveolata | 180 |

Programs containing flagged data:

136 - Population Status of Elkhorn Coral

169 - Abundance, Distribution, and Condition of Acropora Corals, Other Benthic Coral Reef Organisms, and Marine Debris (SCREAM)

981 - Florida Reef Resilience Program

3022 - National Coral Reef Monitoring Program (NCRMP)

4019 - Post-Hurricane Irma Rapid Assessment

Colony Length

Table 11: Flagged Values - High Indicator Quantile: **361.87**

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|------------------|-------------|
| 1353005 | 136 | CF3 | 2004-04-05 | Acropora palmata | 380 |
| 1332177 | 136 | CF3 | 2004-07-22 | Acropora palmata | 385 |
| 1410314 | 136 | CF3 | 2004-10-21 | Acropora palmata | 390 |
| 1095938 | 136 | CF3 | 2005-02-03 | Acropora palmata | 390 |
| 1410316 | 136 | CF3 | 2005-05-23 | Acropora palmata | 395 |
| 1258059 | 136 | CF3 | 2009-12-10 | Acropora palmata | 362 |
| 1386213 | 136 | CF3 | 2010-05-26 | Acropora palmata | 368 |
| 1320820 | 136 | CF3 | 2010-10-29 | Acropora palmata | 367 |
| 1332225 | 136 | CF3 | 2011-02-08 | Acropora palmata | 370 |
| 1410499 | 136 | CF3 | 2011-05-12 | Acropora palmata | 365 |
| 1320823 | 136 | CF3 | 2011-09-15 | Acropora palmata | 368 |
| 1258062 | 136 | CF3 | 2012-01-12 | Acropora palmata | 364 |
| 1329355 | 136 | FR1 | 2004-09-30 | Acropora palmata | 600 |
| 1178353 | 136 | FR1 | 2005-08-01 | Acropora palmata | 600 |
| 1074658 | 136 | TR2 | 2017-12-08 | Acropora palmata | 422 |

Programs containing flagged data:

136 - Population Status of Elkhorn Coral

Colony Width

Table 12: Flagged Values - High Indicator Quantile: **220**

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|-------------------------|-------------|
| 1335568 | 136 | CF3 | 2004-04-05 | Acropora palmata | 280 |
| 1351626 | 136 | CF3 | 2004-07-22 | Acropora palmata | 285 |
| 1351628 | 136 | CF3 | 2004-10-21 | Acropora palmata | 285 |
| 1276254 | 136 | CF3 | 2005-02-03 | Acropora palmata | 285 |
| 1092198 | 136 | CF3 | 2005-05-23 | Acropora palmata | 300 |
| 1368591 | 136 | EL1 | 2012-02-08 | Acropora palmata | 221 |
| 1368593 | 136 | EL1 | 2012-05-15 | Acropora palmata | 225 |
| 1337168 | 136 | EL1 | 2012-09-24 | Acropora palmata | 225 |
| 1289149 | 136 | EL1 | 2013-02-05 | Acropora palmata | 230 |
| 1093736 | 136 | EL1 | 2013-06-03 | Acropora palmata | 230 |
| 1093738 | 136 | EL1 | 2013-10-21 | Acropora palmata | 230 |
| 1337182 | 136 | EL1 | 2014-02-06 | Acropora palmata | 233 |
| 1368940 | 136 | EL1 | 2014-05-29 | Acropora palmata | 235 |
| 1093749 | 136 | EL1 | 2014-10-02 | Acropora palmata | 235 |
| 1337196 | 136 | EL1 | 2015-02-09 | Acropora palmata | 230 |
| 1337198 | 136 | EL1 | 2015-06-05 | Acropora palmata | 235 |
| 1404070 | 136 | EL1 | 2015-09-29 | Acropora palmata | 235 |
| 1404072 | 136 | EL1 | 2016-03-01 | Acropora palmata | 237 |
| 1219577 | 136 | EL1 | 2016-06-27 | Acropora palmata | 240 |
| 1326290 | 136 | FR1 | 2004-09-30 | Acropora palmata | 250 |
| 1136931 | 136 | FR1 | 2005-08-01 | Acropora palmata | 250 |
| 1432766 | 136 | FR1 | 2012-05-09 | Acropora palmata | 228 |
| 1224803 | 136 | ML3 | 2010-10-15 | Acropora palmata | 222 |
| 1304799 | 136 | ML3 | 2011-02-09 | Acropora palmata | 222 |
| 1224811 | 136 | ML3 | 2011-09-13 | Acropora palmata | 223 |
| 1362424 | 136 | ML3 | 2012-01-19 | Acropora palmata | 225 |
| 1362565 | 136 | ML3 | 2017-01-26 | Acropora palmata | 221 |
| 1282883 | 136 | SI2 | 2018-06-01 | Acropora palmata | 228 |
| 1386313 | 136 | SI2 | 2018-09-25 | Acropora palmata | 238 |
| 1336477 | 136 | SI2 | 2019-10-09 | Acropora palmata | 224 |
| 6449611 | 981 | D4030 | 2007-09-29 | Orbicella faveolata | 287 |
| 6406216 | 981 | D4065 | 2007-09-19 | Orbicella annularis | 250 |
| 6503901 | 981 | E1059 | 2008-09-23 | Siderastrea siderea | 285 |
| 6510098 | 981 | E1098 | 2008-09-15 | Siderastrea siderea | 250 |
| 6717951 | 981 | E4023 | 2008-08-12 | Colpophyllia natans | 300 |
| 6666094 | 981 | F1001 | 2009-08-21 | Orbicella annularis | 250 |
| 6687178 | 981 | F1001 | 2009-08-21 | Orbicella annularis | 270 |
| 6550304 | 981 | F1048 | 2009-09-15 | Orbicella franksi | 250 |
| 6608514 | 981 | F1080 | 2009-08-04 | Orbicella faveolata | 300 |
| 6674797 | 981 | F1080 | 2009-08-04 | Orbicella faveolata | 250 |
| 6585203 | 981 | F4012 | 2009-09-16 | Colpophyllia natans | 235 |
| 6555959 | 981 | I1347 | 2010-08-20 | Orbicella faveolata | 290 |
| 6596742 | 981 | I1355 | 2010-08-13 | Orbicella faveolata | 300 |
| 6617349 | 981 | I1355 | 2010-08-13 | Orbicella faveolata | 280 |
| 6670804 | 981 | I1355 | 2010-08-13 | Colpophyllia natans | 280 |
| 6533089 | 981 | I1376 | 2010-08-12 | Pseudodiploria strigosa | 240 |
| 6536946 | 981 | I1377 | 2010-08-12 | Orbicella annularis | 300 |
| 6568362 | 981 | I1377 | 2010-08-12 | Orbicella annularis | 270 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|---------------------------|-------------|
| 6546415 | 981 | I1410 | 2010-08-03 | Orbicella annularis | 270 |
| 6468018 | 981 | J2640 | 2011-08-24 | Colpophyllia natans | 300 |
| 6519523 | 981 | J2824 | 2011-09-07 | Orbicella annularis | 230 |
| 6583589 | 981 | J2824 | 2011-09-07 | Colpophyllia natans | 250 |
| 6575765 | 981 | J2840 | 2011-09-16 | Orbicella faveolata | 280 |
| 6648368 | 981 | K1011 | 2012-09-13 | Orbicella franksi | 280 |
| 6558116 | 981 | K1013 | 2012-09-12 | Colpophyllia natans | 250 |
| 6703070 | 981 | K1028 | 2012-09-11 | Orbicella faveolata | 380 |
| 6546061 | 981 | K1162 | 2012-09-07 | Orbicella annularis | 250 |
| 6553799 | 981 | L2109 | 2013-10-07 | Orbicella faveolata | 250 |
| 6602909 | 981 | L2148 | 2013-09-12 | Pseudodiploria clivosa | 250 |
| 6542897 | 981 | L2159 | 2013-10-08 | Colpophyllia natans | 240 |
| 6553556 | 981 | M1231 | 2014-09-21 | Orbicella faveolata | 375 |
| 6589846 | 981 | M1235 | 2014-09-09 | Orbicella faveolata | 320 |
| 6562151 | 981 | M2424 | 2014-09-21 | Montastraea cavernosa | 250 |
| 6536724 | 981 | M2434 | 2014-09-19 | Montastraea cavernosa | 315 |
| 6399214 | 981 | MQ21 | 2019-08-23 | Orbicella faveolata | 285 |
| 6484173 | 981 | O1250 | 2015-08-18 | Montastraea cavernosa | 225 |
| 6571619 | 981 | O1250 | 2015-08-18 | Montastraea cavernosa | 300 |
| 6672825 | 981 | O2176 | 2015-09-03 | Siderastrea siderea | 222 |
| 6589236 | 981 | O2211 | 2015-09-22 | Montastraea cavernosa | 270 |
| 6599665 | 981 | O3085 | 2015-09-22 | Orbicella annularis | 250 |
| 6599667 | 981 | O3085 | 2015-09-22 | Orbicella annularis | 300 |
| 6585463 | 981 | O3086 | 2015-09-23 | Orbicella faveolata | 320 |
| 6593061 | 981 | O3086 | 2015-09-23 | Orbicella faveolata | 270 |
| 6599670 | 981 | O3086 | 2015-09-23 | Orbicella annularis | 240 |
| 6694473 | 981 | Q1193 | 2016-09-12 | Orbicella annularis | 400 |
| 6790858 | 981 | Q1193 | 2016-09-12 | Orbicella annularis | 325 |
| 6375971 | 981 | Q1217 | 2016-09-06 | Orbicella annularis | 450 |
| 6329166 | 981 | Q3022 | 2016-10-03 | Diploria labyrinthiformis | 230 |
| 6392991 | 981 | Q3027 | 2016-09-06 | Montastraea cavernosa | 250 |
| 6336314 | 981 | R2227 | 2017-10-23 | Orbicella faveolata | 224 |
| 6303904 | 981 | R3004 | 2017-08-17 | Orbicella faveolata | 400 |
| 6365149 | 981 | S1158 | 2018-10-11 | Siderastrea siderea | 400 |
| 6407778 | 981 | S1158 | 2018-10-11 | Siderastrea siderea | 300 |
| 6365523 | 981 | S1182 | 2018-10-25 | Orbicella faveolata | 230 |
| 6321536 | 981 | S1232 | 2018-08-21 | Orbicella faveolata | 350 |
| 6334593 | 981 | S3003 | 2018-08-24 | Orbicella annularis | 315 |
| 6287430 | 981 | S3008 | 2018-09-17 | Orbicella faveolata | 310 |
| 6321485 | 981 | S3009 | 2018-08-28 | Orbicella faveolata | 250 |
| 6285659 | 981 | S3010 | 2018-09-20 | Orbicella faveolata | 300 |
| 6325248 | 981 | S3010 | 2018-09-20 | Orbicella faveolata | 270 |
| 6447216 | 981 | S3010 | 2018-09-20 | Colpophyllia natans | 230 |
| 6349920 | 981 | T1127 | 2019-08-26 | Orbicella faveolata | 250 |
| 6429172 | 981 | T1146 | 2019-08-15 | Orbicella annularis | 335 |
| 6405618 | 981 | T1244 | 2019-09-25 | Colpophyllia natans | 230 |
| 6332001 | 981 | T2249 | 2019-08-16 | Orbicella faveolata | 221 |
| 6366418 | 981 | T2249 | 2019-08-16 | Orbicella faveolata | 315 |
| 6325254 | 981 | T3003 | 2019-08-28 | Orbicella faveolata | 350 |
| 6328922 | 981 | T3003 | 2019-08-28 | Orbicella annularis | 300 |
| 6436239 | 981 | T3007 | 2019-09-09 | Porites porites | 225 |
| 6449458 | 981 | U1568 | 2020-10-12 | Orbicella faveolata | 313 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|-------------------|------------|-----------------------|-------------|
| 6467839 | 981 | U1568 | 2020-10-12 | Orbicella faveolata | 262 |
| 6533293 | 981 | U1653 | 2020-10-11 | Orbicella faveolata | 224 |
| 6424512 | 981 | U2266 | 2020-09-10 | Siderastrea siderea | 230 |
| 6376100 | 981 | U2494 | 2020-09-18 | Orbicella annularis | 250 |
| 6361329 | 981 | U3006 | 2020-08-19 | Montastraea cavernosa | 350 |
| 6406783 | 981 | V1230 | 2021-09-03 | Orbicella faveolata | 275 |
| 6379012 | 981 | V1293 | 2021-09-02 | Orbicella faveolata | 236 |
| 6411329 | 981 | V1534 | 2021-09-17 | Orbicella faveolata | 225 |
| 6415758 | 981 | V1555 | 2021-09-17 | Orbicella faveolata | 307 |
| 6409761 | 981 | V1558 | 2021-09-20 | Orbicella faveolata | 260 |
| 6432228 | 981 | V3031 | 2021-09-21 | Orbicella annularis | 270 |
| 6434649 | 981 | W1211 | 2022-08-18 | Orbicella faveolata | 320 |
| 6453181 | 981 | W1211 | 2022-08-18 | Orbicella faveolata | 625 |
| 6524858 | 981 | W1246 | 2022-10-17 | Orbicella annularis | 335 |
| 6552842 | 981 | W1246 | 2022-10-17 | Orbicella annularis | 263 |
| 6692251 | 981 | W1246 | 2022-10-17 | Orbicella annularis | 250 |
| 6724178 | 981 | W1246 | 2022-10-17 | Orbicella annularis | 275 |
| 6477607 | 981 | W1250 | 2022-09-14 | Orbicella faveolata | 260 |
| 6552862 | 981 | W1250 | 2022-09-14 | Siderastrea siderea | 300 |
| 6485691 | 981 | W1251 | 2022-09-14 | Orbicella annularis | 227 |
| 6512313 | 981 | W1251 | 2022-09-14 | Orbicella faveolata | 450 |
| 6518828 | 981 | W1251 | 2022-09-14 | Colpophyllia natans | 240 |
| 6665142 | 981 | W1309 | 2022-09-20 | Orbicella annularis | 307 |
| 6531631 | 981 | W1321 | 2022-09-16 | Orbicella faveolata | 243 |
| 6576192 | 981 | W1356 | 2022-10-25 | Montastraea cavernosa | 250 |
| 6563017 | 981 | W1393 | 2022-10-06 | Orbicella faveolata | 225 |
| 6489763 | 981 | W1445 | 2022-09-16 | Orbicella faveolata | 280 |
| 6615544 | 981 | WMQ22-19 | 2022-10-07 | Orbicella faveolata | 250 |
| 6497939 | 981 | Y1192 | 2023-09-14 | Orbicella faveolata | 415 |
| 6622316 | 981 | Y1272 | 2023-09-14 | Orbicella faveolata | 299 |
| 6700071 | 981 | Y1291 | 2023-09-19 | Siderastrea siderea | 350 |
| 6700494 | 981 | Y1294 | 2023-09-19 | Orbicella faveolata | 400 |
| 6713347 | 981 | Y1294 | 2023-09-19 | Orbicella faveolata | 475 |
| 6712198 | 981 | Y1300 | 2023-10-21 | Orbicella faveolata | 370 |
| 6700159 | 981 | Y1341 | 2023-09-29 | Orbicella annularis | 280 |
| 6710795 | 981 | Y1341 | 2023-09-29 | Orbicella annularis | 335 |
| 6754956 | 981 | Y1341 | 2023-09-29 | Orbicella annularis | 500 |
| 6562067 | 981 | Y1347 | 2023-09-29 | Orbicella faveolata | 250 |
| 6700119 | 981 | Y1349 | 2023-09-06 | Orbicella annularis | 350 |
| 6723424 | 981 | Y1349 | 2023-09-06 | Orbicella faveolata | 225 |
| 6629673 | 981 | Y1354 | 2023-08-25 | Orbicella faveolata | 275 |
| 6671221 | 981 | Y1354 | 2023-08-25 | Orbicella faveolata | 340 |
| 6690096 | 981 | Y1354 | 2023-08-25 | Orbicella faveolata | 271 |
| 6708263 | 981 | Y1354 | 2023-08-25 | Orbicella faveolata | 240 |
| 6720658 | 981 | Y1354 | 2023-08-25 | Orbicella faveolata | 250 |
| 6651461 | 981 | Y1355 | 2023-09-06 | Orbicella faveolata | 255 |
| 6703129 | 981 | Y1355 | 2023-09-06 | Orbicella faveolata | 230 |
| 6728926 | 981 | Y1355 | 2023-09-06 | Orbicella faveolata | 240 |
| 6699295 | 981 | Y1358 | 2023-09-06 | Orbicella annularis | 255 |
| 6699402 | 981 | Y1359 | 2023-08-25 | Orbicella annularis | 247 |
| 6708265 | 981 | Y1359 | 2023-08-25 | Orbicella faveolata | 230 |
| 6622315 | 981 | Y1384 | 2023-09-19 | Orbicella faveolata | 225 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|--------------------|------------|---------------------|-------------|
| 6690201 | 981 | Y3005 | 2023-07-17 | Orbicella annularis | 230 |
| 6699838 | 981 | Y3005 | 2023-07-17 | Orbicella annularis | 350 |
| 6708098 | 981 | Y3007 | 2023-07-31 | Orbicella faveolata | 245 |
| 6640422 | 981 | Y3038 | 2023-09-10 | Orbicella faveolata | 250 |
| 6750035 | 981 | YMQ23-19 | 2023-10-06 | Orbicella faveolata | 225 |
| 6730247 | 981 | YMQ23-58 | 2023-10-06 | Orbicella annularis | 230 |
| 6765871 | 3022 | 1063-2293416-3022B | 2022-07-13 | Orbicella faveolata | 320 |
| 6780397 | 3022 | 1148-1901802-3022B | 2014-06-30 | Orbicella faveolata | 260 |
| 6819190 | 3022 | 1201-1917232-3022B | 2016-12-07 | Orbicella faveolata | 450 |
| 6784850 | 3022 | 1325-1030082-3022B | 2014-08-06 | Orbicella faveolata | 277 |
| 6757339 | 3022 | 1327-1248516-3022B | 2015-05-08 | Orbicella faveolata | 240 |
| 6640057 | 3022 | 1381-2055312-3022B | 2022-07-15 | Orbicella faveolata | 230 |
| 6750641 | 3022 | 1412-1112984-3022B | 2016-07-14 | Orbicella faveolata | 240 |
| 6977521 | 3022 | 1421-1337948-3022B | 2015-06-23 | Orbicella annularis | 300 |
| 6748337 | 3022 | 1429-1138019-3022B | 2014-08-14 | Orbicella faveolata | 235 |
| 6756574 | 3022 | 1639-1509874-3022B | 2014-11-09 | Orbicella faveolata | 270 |
| 6755204 | 3022 | 2160-1618180-3022B | 2016-05-12 | Orbicella franksi | 250 |
| 6818630 | 3022 | 2313-510699-3022B | 2022-09-09 | Orbicella faveolata | 290 |
| 6213625 | 4019 | IRMA_025 | 2017-10-18 | Orbicella annularis | 600 |
| 6197435 | 4019 | IRMA_032 | 2017-10-15 | Orbicella faveolata | 240 |
| 6205730 | 4019 | IRMA_069 | 2017-10-16 | Orbicella annularis | 225 |
| 6220640 | 4019 | IRMA_069 | 2017-10-16 | Orbicella faveolata | 375 |
| 6233007 | 4019 | IRMA_069 | 2017-10-16 | Orbicella faveolata | 350 |
| 6220328 | 4019 | IRMA_099 | 2017-10-17 | Orbicella faveolata | 300 |
| 6232909 | 4019 | IRMA_108 | 2017-10-09 | Orbicella faveolata | 400 |

Programs containing flagged data:

136 - Population Status of Elkhorn Coral

981 - Florida Reef Resilience Program

3022 - National Coral Reef Monitoring Program (NCRMP)

4019 - Post-Hurricane Irma Rapid Assessment

Percent Cover

Table 13: Flagged Values - High Indicator Quantile: 42

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|--------------------|------------|-------------------------|-------------|
| 1533392 | 295 | 252 | 2009-08-11 | Scleractinia | 44 |
| 1507726 | 295 | 252 | 2010-06-22 | Scleractinia | 44 |
| 1308371 | 295 | 252 | 2011-05-17 | Scleractinia | 47 |
| 1462353 | 295 | 252 | 2012-07-16 | Scleractinia | 44 |
| 1339856 | 295 | 252 | 2013-07-12 | Scleractinia | 46 |
| 1422571 | 295 | 252 | 2014-08-12 | Scleractinia | 44 |
| 1509330 | 295 | 254 | 2014-08-12 | Scleractinia | 44 |
| 1449786 | 295 | 303 | 2012-08-20 | Octocorallia | 44 |
| 1509408 | 295 | 303 | 2014-07-14 | Octocorallia | 48 |
| 1421113 | 295 | 304 | 2013-06-24 | Octocorallia | 44 |
| 1340144 | 295 | 304 | 2014-07-14 | Octocorallia | 53 |
| 1427954 | 295 | 304 | 2016-07-16 | Octocorallia | 45 |
| 1442464 | 295 | 304 | 2019-06-19 | Octocorallia | 44 |
| 1583926 | 295 | 304 | 2020-06-12 | Octocorallia | 43 |
| 1274610 | 295 | 331 | 1997-07-08 | Scleractinia | 43 |
| 1472128 | 295 | 332 | 1996-07-23 | Scleractinia | 49 |
| 1600312 | 295 | 332 | 2022-09-14 | Octocorallia | 43 |
| 1377844 | 295 | 334 | 1996-07-23 | Octocorallia | 44 |
| 1440242 | 295 | 334 | 1998-07-07 | Octocorallia | 51 |
| 1473470 | 295 | 334 | 1999-07-23 | Octocorallia | 48 |
| 1421303 | 295 | 334 | 2001-08-04 | Octocorallia | 50 |
| 1532079 | 295 | 334 | 2002-07-17 | Octocorallia | 47 |
| 1494703 | 295 | 334 | 2003-05-02 | Octocorallia | 45 |
| 1429326 | 295 | 334 | 2004-06-14 | Octocorallia | 52 |
| 1498760 | 295 | 334 | 2005-06-18 | Octocorallia | 48 |
| 1504636 | 295 | 334 | 2008-06-21 | Octocorallia | 50 |
| 1414707 | 295 | 334 | 2009-07-11 | Octocorallia | 49 |
| 1532365 | 295 | 344 | 2004-06-01 | Octocorallia | 43 |
| 1439180 | 295 | 344 | 2008-05-23 | Octocorallia | 43 |
| 1502988 | 295 | 351 | 1996-08-20 | Octocorallia | 50 |
| 1532104 | 295 | 353 | 2002-06-28 | Octocorallia | 49 |
| 1556319 | 295 | 383 | 2002-08-11 | Octocorallia | 43 |
| 1253352 | 295 | 402 | 1996-09-11 | Scleractinia | 45 |
| 1438153 | 295 | 403 | 1997-01-01 | Scleractinia | 43 |
| 1361535 | 295 | 431 | 2021-10-09 | Scleractinia | 49 |
| 1663864 | 295 | 431 | 2021-10-09 | Acropora prolifera | 48 |
| 1573017 | 295 | 514 | 2010-07-08 | Octocorallia | 46 |
| 1386963 | 295 | 851 | 2007-07-18 | Octocorallia | 47 |
| 1377032 | 295 | 851 | 2008-08-05 | Octocorallia | 44 |
| 1547133 | 295 | 851 | 2010-06-30 | Octocorallia | 45 |
| 1397756 | 295 | 902 | 2004-06-11 | Scleractinia | 45 |
| 1563881 | 295 | 902 | 2004-06-11 | Acropora cervicornis | 45 |
| 1366166 | 295 | 904 | 2005-06-30 | Scleractinia | 43 |
| 70047 | 899 | D10 | 2003-09-15 | Scleractinia | 55 |
| 86932 | 899 | H18 | 2003-09-15 | Psenes cyanophrys | 44 |
| 18594 | 899 | N14 | 2003-09-15 | Psenes cyanophrys | 55 |
| 39303 | 899 | P01 | 2003-09-15 | Scleractinia | 45 |
| 34488 | 899 | P06 | 2003-09-15 | Psenes cyanophrys | 80 |
| 6654664 | 3022 | 1004-1081885-3022A | 2018-09-11 | Other fleshy macroalgae | 43 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
|---------|-----------|--------------------|------------|-------------------------|-------------|
| 6625600 | 3022 | 1008-1138030-3022A | 2018-08-13 | Bare substrate | 44 |
| 6503282 | 3022 | 1014-1816677-3022A | 2018-11-08 | Other fleshy macroalgae | 55 |
| 6654746 | 3022 | 1018-1954838-3022A | 2018-09-26 | Other fleshy macroalgae | 49 |
| 6600104 | 3022 | 1031-924697-3022A | 2018-08-22 | Bare substrate | 77 |
| 6663424 | 3022 | 1033-2006888-3022A | 2016-11-04 | Bare substrate | 55 |
| 6572864 | 3022 | 1052-2003948-3022A | 2015-08-16 | Other fleshy macroalgae | 63 |
| 6605867 | 3022 | 1052-2003948-3022A | 2015-08-16 | Other fleshy macroalgae | 56 |
| 6588405 | 3022 | 1055-1959491-3022A | 2015-06-05 | Bare substrate | 53 |
| 6646319 | 3022 | 1056-1952918-3022A | 2016-12-08 | Bare substrate | 47 |
| 6645195 | 3022 | 1072-2989031-3022A | 2022-10-04 | Bare substrate | 64 |
| 6526984 | 3022 | 1074-2630127-3022A | 2022-10-04 | Bare substrate | 78 |
| 6614327 | 3022 | 1075-2940968-3022A | 2022-10-04 | Bare substrate | 44 |
| 6669348 | 3022 | 1080-2013725-3022A | 2018-11-27 | Bare substrate | 49 |
| 6583474 | 3022 | 1116-1889633-3022A | 2014-06-27 | Bare substrate | 67 |
| 6590879 | 3022 | 1116-1889633-3022A | 2014-06-27 | Bare substrate | 71 |
| 6585552 | 3022 | 1118-1865641-3022A | 2014-07-13 | Bare substrate | 67 |
| 6607609 | 3022 | 1118-1865641-3022A | 2014-07-13 | Bare substrate | 73 |
| 6638983 | 3022 | 1119-1888648-3022A | 2014-06-25 | Bare substrate | 64 |
| 6638985 | 3022 | 1119-1888648-3022A | 2014-06-25 | Bare substrate | 61 |
| 6485638 | 3022 | 1120-1890350-3022A | 2014-06-25 | Bare substrate | 44 |
| 6603584 | 3022 | 1120-1890350-3022A | 2014-06-25 | Bare substrate | 50 |
| 6590676 | 3022 | 1121-1889339-3022A | 2014-06-25 | Bare substrate | 50 |
| 6486863 | 3022 | 1136-1866409-3022A | 2014-06-27 | Bare substrate | 45 |
| 6583473 | 3022 | 1136-1866409-3022A | 2014-06-27 | Bare substrate | 46 |
| 6651172 | 3022 | 1155-1793406-3022A | 2018-08-08 | Bare substrate | 69 |
| 6583284 | 3022 | 1164-1869264-3022A | 2014-06-27 | Bare substrate | 51 |
| 6606061 | 3022 | 1165-1875606-3022A | 2014-06-27 | Bare substrate | 45 |
| 6606063 | 3022 | 1165-1875606-3022A | 2014-06-27 | Bare substrate | 59 |
| 6603993 | 3022 | 1168-1873165-3022A | 2014-06-27 | Bare substrate | 49 |
| 6639083 | 3022 | 1168-1873165-3022A | 2014-06-27 | Bare substrate | 50 |
| 6551978 | 3022 | 1170-1898683-3022A | 2014-06-30 | Other fleshy macroalgae | 52 |
| 6607072 | 3022 | 1170-1898683-3022A | 2014-06-30 | Other fleshy macroalgae | 44 |
| 6669029 | 3022 | 1189-1280081-3022A | 2018-10-25 | Bare substrate | 51 |
| 6590880 | 3022 | 1197-1895745-3022A | 2014-06-29 | Bare substrate | 47 |
| 6611917 | 3022 | 1198-1820412-3022A | 2018-08-08 | Bare substrate | 51 |
| 6485363 | 3022 | 1202-1887667-3022A | 2014-06-24 | Bare substrate | 50 |
| 6638935 | 3022 | 1202-1887667-3022A | 2014-06-24 | Bare substrate | 44 |
| 6585928 | 3022 | 1209-1853827-3022A | 2014-07-21 | Other fleshy macroalgae | 60 |
| 6608459 | 3022 | 1209-1853827-3022A | 2014-07-21 | Other fleshy macroalgae | 61 |
| 6572946 | 3022 | 1214-1844099-3022A | 2014-06-10 | Bare substrate | 77 |
| 6637895 | 3022 | 1214-1844099-3022A | 2014-06-10 | Bare substrate | 50 |
| 6682722 | 3022 | 1215-2345747-3022A | 2022-10-03 | Bare substrate | 43 |
| 6649636 | 3022 | 1222-1811747-3022A | 2014-10-17 | Bare substrate | 51 |
| 6626428 | 3022 | 1230-2000266-3022A | 2018-10-24 | Other fleshy macroalgae | 55 |
| 6586765 | 3022 | 1232-1817902-3022A | 2014-10-17 | Bare substrate | 49 |
| 6568712 | 3022 | 1234-1447114-3022A | 2015-06-20 | Bare substrate | 46 |
| 6573020 | 3022 | 1241-1814308-3022A | 2014-06-16 | Other fleshy macroalgae | 44 |
| 6587619 | 3022 | 1243-1800220-3022A | 2014-11-16 | Bare substrate | 45 |
| 6492013 | 3022 | 1244-1355870-3022A | 2015-06-18 | Bare substrate | 45 |
| 6600107 | 3022 | 1244-1355870-3022A | 2015-06-18 | Bare substrate | 69 |
| 6490429 | 3022 | 1246-1507877-3022A | 2014-11-01 | Bare substrate | 64 |
| 6614528 | 3022 | 1246-1507877-3022A | 2014-11-01 | Bare substrate | 56 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
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| 6492023 | 3022 | 1249-1257380-3022A | 2015-06-18 | Bare substrate | 61 |
| 6492024 | 3022 | 1249-1257380-3022A | 2015-06-18 | Bare substrate | 71 |
| 6645950 | 3022 | 1250-1439851-3022A | 2016-08-08 | Bare substrate | 43 |
| 6595365 | 3022 | 1253-1466195-3022A | 2014-11-09 | Bare substrate | 44 |
| 6605682 | 3022 | 1253-1466195-3022A | 2014-11-09 | Bare substrate | 51 |
| 6625263 | 3022 | 1254-1861707-3022A | 2018-08-06 | Bare substrate | 46 |
| 6613442 | 3022 | 1255-1732055-3022A | 2014-09-27 | Bare substrate | 63 |
| 6617861 | 3022 | 1255-1732055-3022A | 2014-09-27 | Bare substrate | 64 |
| 6584640 | 3022 | 1256-1738555-3022A | 2014-09-27 | Bare substrate | 53 |
| 6613438 | 3022 | 1257-1740776-3022A | 2014-09-27 | Bare substrate | 46 |
| 6649271 | 3022 | 1257-1740776-3022A | 2014-09-27 | Bare substrate | 44 |
| 6562733 | 3022 | 1267-1696662-3022A | 2014-09-26 | Bare substrate | 96 |
| 6649247 | 3022 | 1267-1696662-3022A | 2014-09-26 | Bare substrate | 75 |
| 6490276 | 3022 | 1270-1764896-3022A | 2014-10-19 | Bare substrate | 48 |
| 6649754 | 3022 | 1270-1764896-3022A | 2014-10-19 | Bare substrate | 49 |
| 6602958 | 3022 | 1295-1803720-3022A | 2014-06-09 | Bare substrate | 68 |
| 6548264 | 3022 | 1306-1759445-3022A | 2014-06-15 | Bare substrate | 44 |
| 6619047 | 3022 | 1317-1517842-3022A | 2014-10-31 | Bare substrate | 52 |
| 6625597 | 3022 | 1319-917577-3022A | 2018-08-13 | Bare substrate | 59 |
| 6649962 | 3022 | 1323-1358763-3022A | 2014-11-07 | Bare substrate | 45 |
| 6650543 | 3022 | 1327-1248516-3022A | 2015-05-08 | Bare substrate | 54 |
| 6609486 | 3022 | 1330-919791-3022A | 2014-08-07 | Bare substrate | 43 |
| 6592145 | 3022 | 1338-1087662-3022A | 2014-08-24 | Bare substrate | 49 |
| 6607091 | 3022 | 1344-1138129-3022A | 2015-05-09 | Bare substrate | 49 |
| 6592257 | 3022 | 1357-980569-3022A | 2014-08-25 | Bare substrate | 52 |
| 6647225 | 3022 | 1357-980569-3022A | 2014-08-25 | Bare substrate | 46 |
| 6502023 | 3022 | 1359-1997368-3022A | 2018-10-25 | Other fleshy macroalgae | 49 |
| 6623382 | 3022 | 1361-1060253-3022A | 2015-06-21 | Other fleshy macroalgae | 49 |
| 6554580 | 3022 | 1363-895664-3022A | 2014-08-11 | Bare substrate | 50 |
| 6589781 | 3022 | 1363-895664-3022A | 2014-08-11 | Bare substrate | 46 |
| 6625307 | 3022 | 1375-965172-3022A | 2018-08-13 | Bare substrate | 45 |
| 6610385 | 3022 | 1376-1277090-3022A | 2016-07-20 | Bare substrate | 49 |
| 6651809 | 3022 | 1380-1107320-3022A | 2015-06-25 | Bare substrate | 51 |
| 6642718 | 3022 | 1385-3778051-3022A | 2022-08-25 | Bare substrate | 63 |
| 6607948 | 3022 | 1397-864382-3022A | 2014-08-05 | Bare substrate | 58 |
| 6610419 | 3022 | 1398-1127038-3022A | 2016-07-22 | Bare substrate | 66 |
| 6588000 | 3022 | 1413-1129851-3022A | 2015-05-06 | Bare substrate | 48 |
| 6525296 | 3022 | 1430-481149-3022A | 2022-09-16 | Other fleshy macroalgae | 53 |
| 6612148 | 3022 | 1432-998586-3022A | 2014-08-15 | Bare substrate | 65 |
| 6645054 | 3022 | 1435-962541-3022A | 2014-08-13 | Bare substrate | 43 |
| 6610326 | 3022 | 1446-1060252-3022A | 2016-07-13 | Bare substrate | 66 |
| 6579328 | 3022 | 1458-864372-3022A | 2014-08-05 | Bare substrate | 45 |
| 6644317 | 3022 | 1491-3949684-3022A | 2022-08-02 | Bare substrate | 64 |
| 6600505 | 3022 | 1517-1955566-3022A | 2018-09-26 | Other fleshy macroalgae | 62 |
| 6573215 | 3022 | 1530-1988531-3022A | 2015-08-17 | Other fleshy macroalgae | 48 |
| 6499423 | 3022 | 1568-1961582-3022A | 2015-08-20 | Bare substrate | 50 |
| 6586003 | 3022 | 1571-1893655-3022A | 2014-07-22 | Bare substrate | 52 |
| 6640177 | 3022 | 1571-1893655-3022A | 2014-07-22 | Bare substrate | 67 |
| 6605377 | 3022 | 1577-1866713-3022A | 2014-07-13 | Bare substrate | 52 |
| 6601796 | 3022 | 1579-1834525-3022A | 2014-09-13 | Bare substrate | 50 |
| 6585209 | 3022 | 1589-1902709-3022A | 2014-06-30 | Bare substrate | 43 |
| 6639255 | 3022 | 1589-1902709-3022A | 2014-06-30 | Bare substrate | 52 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
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| 6487933 | 3022 | 1599-1916931-3022A | 2014-07-22 | Bare substrate | 45 |
| 6553026 | 3022 | 1599-1916931-3022A | 2014-07-22 | Bare substrate | 44 |
| 6582044 | 3022 | 1605-942215-3022A | 2018-09-12 | Bare substrate | 46 |
| 6603563 | 3022 | 1623-1887327-3022A | 2014-06-24 | Bare substrate | 53 |
| 6602095 | 3022 | 1630-1843372-3022A | 2014-06-10 | Bare substrate | 50 |
| 6637873 | 3022 | 1630-1843372-3022A | 2014-06-10 | Other fleshy macroalgae | 60 |
| 6619154 | 3022 | 1649-1503630-3022A | 2014-11-01 | Bare substrate | 46 |
| 6584644 | 3022 | 1650-1619223-3022A | 2014-09-28 | Bare substrate | 60 |
| 6613482 | 3022 | 1650-1619223-3022A | 2014-09-28 | Bare substrate | 53 |
| 6616845 | 3022 | 1658-1231828-3022A | 2015-06-19 | Bare substrate | 45 |
| 6619994 | 3022 | 1661-1435196-3022A | 2014-11-10 | Bare substrate | 52 |
| 6617885 | 3022 | 1662-1555689-3022A | 2014-09-28 | Bare substrate | 57 |
| 6587663 | 3022 | 1663-1811404-3022A | 2015-04-17 | Bare substrate | 54 |
| 6650248 | 3022 | 1663-1811404-3022A | 2015-04-17 | Bare substrate | 47 |
| 6549574 | 3022 | 1681-1762175-3022A | 2014-06-15 | Bare substrate | 62 |
| 6610959 | 3022 | 1709-1076753-3022A | 2015-06-25 | Bare substrate | 52 |
| 6651433 | 3022 | 1709-1076753-3022A | 2015-06-25 | Bare substrate | 48 |
| 6592214 | 3022 | 1714-985702-3022A | 2014-08-25 | Bare substrate | 45 |
| 6615757 | 3022 | 1714-985702-3022A | 2014-08-25 | Bare substrate | 51 |
| 6491473 | 3022 | 1721-1009143-3022A | 2015-05-08 | Bare substrate | 66 |
| 6615651 | 3022 | 1725-990917-3022A | 2015-05-07 | Bare substrate | 78 |
| 6650337 | 3022 | 1725-990917-3022A | 2015-05-07 | Bare substrate | 81 |
| 6491371 | 3022 | 1741-1127030-3022A | 2015-05-06 | Other fleshy macroalgae | 45 |
| 6596447 | 3022 | 1741-1127030-3022A | 2015-05-06 | Other fleshy macroalgae | 52 |
| 6599283 | 3022 | 1758-939852-3022A | 2014-08-13 | Other fleshy macroalgae | 48 |
| 6645052 | 3022 | 1758-939852-3022A | 2014-08-13 | Other fleshy macroalgae | 54 |
| 6597807 | 3022 | 2002-1457610-3022A | 2018-08-22 | Other fleshy macroalgae | 53 |
| 6500138 | 3022 | 2003-1359710-3022A | 2018-08-22 | Other fleshy macroalgae | 67 |
| 6620021 | 3022 | 2006-912398-3022A | 2016-05-21 | Bare substrate | 57 |
| 6609549 | 3022 | 2014-1440873-3022A | 2018-08-22 | Bare substrate | 53 |
| 6499806 | 3022 | 2026-1424072-3022A | 2018-07-19 | Other fleshy macroalgae | 43 |
| 6676642 | 3022 | 2036-866581-3022A | 2014-07-29 | Bare substrate | 54 |
| 6654653 | 3022 | 2057-269812-3022A | 2021-08-21 | Bare substrate | 77 |
| 6682471 | 3022 | 2058-268556-3022A | 2021-08-21 | Bare substrate | 52 |
| 6670774 | 3022 | 2061-599835-3022A | 2021-08-23 | Other fleshy macroalgae | 76 |
| 6684359 | 3022 | 2064-574314-3022A | 2021-08-23 | Other fleshy macroalgae | 57 |
| 6608539 | 3022 | 2064-599094-3022A | 2022-09-08 | Other fleshy macroalgae | 53 |
| 6601699 | 3022 | 2092-578701-3022A | 2021-08-23 | Other fleshy macroalgae | 71 |
| 6614790 | 3022 | 2112-1628075-3022A | 2016-05-12 | Bare substrate | 96 |
| 6586146 | 3022 | 2117-1623178-3022A | 2014-06-02 | Bare substrate | 63 |
| 6632965 | 3022 | 2122-1639036-3022A | 2014-06-02 | Bare substrate | 47 |
| 6591482 | 3022 | 2127-1224420-3022A | 2014-07-21 | Bare substrate | 52 |
| 6687702 | 3022 | 2153-635016-3022A | 2022-09-08 | Bare substrate | 47 |
| 6679803 | 3022 | 2156-1611462-3022A | 2016-05-12 | Bare substrate | 46 |
| 6600813 | 3022 | 2164-634313-3022A | 2021-08-22 | Bare substrate | 66 |
| 6628257 | 3022 | 2178-1403979-3022A | 2016-06-08 | Bare substrate | 45 |
| 6581338 | 3022 | 2239-1552551-3022A | 2018-08-24 | Bare substrate | 45 |
| 6666705 | 3022 | 2245-1560107-3022A | 2018-08-24 | Bare substrate | 67 |
| 6516218 | 3022 | 2262-1462510-3022A | 2016-05-17 | Bare substrate | 81 |
| 6598701 | 3022 | 2264-1371326-3022A | 2018-08-27 | Bare substrate | 70 |
| 6634672 | 3022 | 2273-1421825-3022A | 2014-06-09 | Bare substrate | 58 |
| 6655443 | 3022 | 2279-537016-3022A | 2021-08-24 | Other fleshy macroalgae | 60 |

| RowID | ProgramID | ProgramLocationID | SampleDate | CommonIdentifier | ResultValue |
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| 6655430 | 3022 | 2281-652668-3022A | 2021-08-24 | Other fleshy macroalgae | 52 |
| 6673928 | 3022 | 2282-1403906-3022A | 2014-06-06 | Bare substrate | 53 |
| 6596105 | 3022 | 2305-1582772-3022A | 2016-05-13 | Bare substrate | 82 |
| 6636095 | 3022 | 2312-1433911-3022A | 2014-07-20 | Bare substrate | 68 |
| 6676441 | 3022 | 2320-1467286-3022A | 2014-07-27 | Bare substrate | 46 |
| 6625174 | 3022 | 2333-1500110-3022A | 2016-05-14 | Bare substrate | 45 |
| 6621383 | 3022 | 2341-1376721-3022A | 2014-06-04 | Other fleshy macroalgae | 57 |
| 6621405 | 3022 | 2355-1433693-3022A | 2014-06-04 | Bare substrate | 75 |
| 6679805 | 3022 | 2358-1567545-3022A | 2016-05-13 | Bare substrate | 62 |
| 6625034 | 3022 | 2362-1593881-3022A | 2016-05-13 | Bare substrate | 53 |
| 6665041 | 3022 | 2364-470369-3022A | 2022-09-16 | Other fleshy macroalgae | 53 |
| 6665039 | 3022 | 2378-530789-3022A | 2022-09-16 | Other fleshy macroalgae | 60 |
| 6587533 | 3022 | 2391-1546635-3022A | 2014-06-05 | Bare substrate | 53 |
| 6633218 | 3022 | 2402-549267-3022A | 2022-09-08 | Bare substrate | 51 |
| 6519197 | 3022 | 2406-454760-3022A | 2021-08-23 | Other calcareous macroalgae | 44 |
| 6622331 | 3022 | 2408-468523-3022A | 2021-08-23 | Other fleshy macroalgae | 64 |
| 6628389 | 3022 | 2429-380877-3022A | 2021-08-21 | Bare substrate | 90 |
| 6634487 | 3022 | 2435-1559937-3022A | 2014-06-07 | Bare substrate | 61 |
| 6601806 | 3022 | 2462-611053-3022A | 2021-08-23 | Other fleshy macroalgae | 77 |
| 6625768 | 3022 | 2480-612454-3022A | 2021-08-23 | Other fleshy macroalgae | 46 |
| 6519384 | 3022 | 2487-572754-3022A | 2021-08-23 | Other fleshy macroalgae | 65 |
| 6668890 | 3022 | 2501-939540-3022A | 2016-05-21 | Bare substrate | 74 |
| 6600862 | 3022 | 2561-635015-3022A | 2021-08-22 | Bare substrate | 53 |
| 6581251 | 3022 | 2606-1571334-3022A | 2018-08-23 | Other fleshy macroalgae | 57 |
| 6667715 | 3022 | 2611-1510832-3022A | 2016-05-18 | Other fleshy macroalgae | 59 |
| 6682441 | 3022 | 2636-1286919-3022A | 2016-06-09 | Bare substrate | 48 |
| 6659452 | 3022 | 2715-1550432-3022A | 2014-06-05 | Bare substrate | 48 |
| 6633614 | 3022 | 2719-1577012-3022A | 2014-06-05 | Bare substrate | 52 |
| 6668448 | 3022 | 3002-691075-3022A | 2022-08-12 | Bare substrate | 88 |
| 6528338 | 3022 | 3005-687141-3022A | 2022-09-16 | Bare substrate | 64 |
| 6695401 | 3022 | 3006-524452-3022A | 2022-08-10 | Other fleshy macroalgae | 62 |
| 6647184 | 3022 | 3007-469352-3022A | 2022-08-11 | Other fleshy macroalgae | 69 |
| 6584922 | 3022 | 3008-121845-3022A | 2018-11-01 | Bare substrate | 48 |
| 6644558 | 3022 | 3008-537568-3022A | 2022-08-10 | Other fleshy macroalgae | 66 |
| 6584791 | 3022 | 3009-126121-3022A | 2018-10-30 | Bare substrate | 55 |
| 6644709 | 3022 | 3010-458230-3022A | 2022-09-16 | Other fleshy macroalgae | 78 |
| 6672056 | 3022 | 3012-477231-3022A | 2022-08-11 | Other fleshy macroalgae | 88 |
| 6615559 | 3022 | 3013-525109-3022A | 2022-08-10 | Other fleshy macroalgae | 94 |
| 6504006 | 3022 | 3016-169403-3022A | 2018-10-31 | Bare substrate | 46 |
| 6606672 | 3022 | 3016-447010-3022A | 2020-09-30 | Bare substrate | 66 |
| 6672059 | 3022 | 3016-653037-3022A | 2022-08-12 | Other fleshy macroalgae | 52 |
| 6647155 | 3022 | 3019-422144-3022A | 2022-08-09 | Other fleshy macroalgae | 74 |
| 6685930 | 3022 | 3023-519195-3022A | 2022-08-09 | Other fleshy macroalgae | 84 |
| 6670138 | 3022 | 3024-133979-3022A | 2018-10-30 | Bare substrate | 63 |
| 6619611 | 3022 | 3025-101517-3022A | 2018-11-01 | Bare substrate | 46 |
| 6670641 | 3022 | 3025-101517-3022A | 2018-11-01 | Other fleshy macroalgae | 44 |
| 6685978 | 3022 | 3026-464084-3022A | 2022-08-11 | Other fleshy macroalgae | 88 |
| 6672042 | 3022 | 3028-516594-3022A | 2022-08-10 | Other fleshy macroalgae | 70 |
| 6657451 | 3022 | 3033-96239-3022A | 2018-10-30 | Bare substrate | 74 |
| 6686691 | 3022 | 3038-456201-3022A | 2020-09-30 | Bare substrate | 49 |
| 6672944 | 3022 | 3084-1617846-3022A | 2020-10-12 | Bare substrate | 59 |
| 6527922 | 3022 | 3129-2064560-3022A | 2022-06-21 | Bare substrate | 92 |

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| 6672508 | 3022 | 3134-395322-3022A | 2014-10-16 | Bare substrate | 46 |
| 6672510 | 3022 | 3134-395322-3022A | 2014-10-16 | Bare substrate | 52 |
| 6527884 | 3022 | 3137-1383686-3022A | 2022-06-13 | Other fleshy macroalgae | 54 |
| 6646156 | 3022 | 3141-1576520-3022A | 2022-06-24 | Other fleshy macroalgae | 49 |
| 6686013 | 3022 | 3143-1855940-3022A | 2022-08-16 | Other fleshy macroalgae | 60 |
| 6684569 | 3022 | 3154-1280049-3022A | 2022-06-27 | Bare substrate | 59 |
| 6668440 | 3022 | 3157-723185-3022A | 2022-08-11 | Other fleshy macroalgae | 49 |
| 6627003 | 3022 | 3166-157572-3022A | 2018-10-29 | Other fleshy macroalgae | 45 |
| 6673073 | 3022 | 3174-2029158-3022A | 2020-11-16 | Bare substrate | 43 |
| 6647105 | 3022 | 3175-295645-3022A | 2016-09-30 | Bare substrate | 58 |
| 6649330 | 3022 | 3178-1887425-3022A | 2020-10-30 | Bare substrate | 71 |
| 6648955 | 3022 | 3184-1416474-3022A | 2020-09-17 | Bare substrate | 43 |
| 6624594 | 3022 | 3185-229413-3022A | 2016-09-15 | Bare substrate | 54 |
| 6636559 | 3022 | 3192-740241-3022A | 2020-09-30 | Bare substrate | 98 |
| 6595760 | 3022 | 3202-228431-3022A | 2016-09-15 | Bare substrate | 51 |
| 6595968 | 3022 | 3203-248103-3022A | 2016-10-21 | Porifera spp. | 43 |
| 6686655 | 3022 | 3206-688416-3022A | 2020-09-28 | Bare substrate | 56 |
| 6602105 | 3022 | 3210-431404-3022A | 2018-09-06 | Bare substrate | 79 |
| 6647242 | 3022 | 3211-816360-3022A | 2022-09-15 | Bare substrate | 66 |
| 6595644 | 3022 | 3214-71276-3022A | 2016-09-03 | Bare substrate | 48 |
| 6695678 | 3022 | 3214-931146-3022A | 2022-09-16 | Bare substrate | 58 |
| 6646764 | 3022 | 3217-73954-3022A | 2016-09-03 | Other fleshy macroalgae | 43 |
| 6508981 | 3022 | 3222-83475-3022A | 2016-09-04 | Other fleshy macroalgae | 84 |
| 6595623 | 3022 | 3224-73961-3022A | 2016-09-03 | Bare substrate | 53 |
| 6639244 | 3022 | 3224-73961-3022A | 2016-09-03 | Other fleshy macroalgae | 43 |
| 6646802 | 3022 | 3226-91339-3022A | 2016-09-04 | Other fleshy macroalgae | 48 |
| 6646833 | 3022 | 3229-101157-3022A | 2016-09-04 | Bare substrate | 43 |
| 6646832 | 3022 | 3230-101493-3022A | 2016-09-04 | Other fleshy macroalgae | 49 |
| 6624452 | 3022 | 3231-104112-3022A | 2016-09-04 | Other fleshy macroalgae | 59 |
| 6613857 | 3022 | 3240-119206-3022A | 2016-09-12 | Bare substrate | 81 |
| 6595722 | 3022 | 3250-163174-3022A | 2016-09-14 | Other fleshy macroalgae | 61 |
| 6649030 | 3022 | 3253-664831-3022A | 2020-09-28 | Bare substrate | 50 |
| 6595719 | 3022 | 3261-153330-3022A | 2016-09-12 | Other fleshy macroalgae | 48 |
| 6686830 | 3022 | 3261-782252-3022A | 2022-09-15 | Bare substrate | 69 |
| 6647179 | 3022 | 3263-679258-3022A | 2022-08-09 | Bare substrate | 45 |
| 6666144 | 3022 | 3270-30873-3022A | 2016-11-16 | Bare substrate | 58 |
| 6668404 | 3022 | 3285-532316-3022A | 2022-08-10 | Other fleshy macroalgae | 91 |
| 6678576 | 3022 | 3285-71276-3022A | 2016-09-03 | Bare substrate | 55 |
| 6695385 | 3022 | 3288-2076339-3022A | 2022-08-08 | Bare substrate | 50 |
| 6672805 | 3022 | 3309-833414-3022A | 2020-09-27 | Bare substrate | 74 |
| 6605855 | 3022 | 3312-537587-3022A | 2020-09-28 | Other fleshy macroalgae | 52 |
| 6605921 | 3022 | 3321-532315-3022A | 2020-09-28 | Bare substrate | 82 |
| 6523089 | 3022 | 3327-900316-3022A | 2020-09-27 | Bare substrate | 87 |
| 6509219 | 3022 | 3623-106099-3022A | 2016-09-12 | Other fleshy macroalgae | 66 |
| 6669359 | 3022 | 8068-4141418-3022A | 2022-09-01 | Bare substrate | 56 |
| 6694404 | 3022 | 8069-3565269-3022A | 2022-08-15 | Bare substrate | 72 |
| 6644753 | 3022 | 8070-3551410-3022A | 2022-08-15 | Bare substrate | 77 |
| 6635357 | 3022 | 8124-4104098-3022A | 2021-09-21 | Bare substrate | 63 |
| 6670616 | 3022 | 9020-3452885-3022A | 2022-09-08 | Orbicella annularis | 43 |
| 6735777 | 3024 | 19 | 2000-09-25 | Sabellariidae | 50 |
| 6571957 | 3024 | 19 | 2001-06-14 | Sabellariidae | 75 |
| 6737376 | 3024 | 19 | 2001-06-14 | Sabellariidae | 70 |

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| 6782002 | 3024 | 19 | 2001-06-14 | Sabellariidae | 50 |
| 6744879 | 3024 | 19 | 2001-07-12 | Sabellariidae | 69 |
| 6681318 | 3024 | 40 | 2000-08-10 | Sabellariidae | 75 |
| 6745179 | 3024 | 40 | 2000-08-10 | Sabellariidae | 60 |
| 6770692 | 3024 | 40 | 2000-08-10 | Sabellariidae | 50 |
| 6681098 | 3024 | 50 | 2000-06-16 | Sabellariidae | 50 |
| 6744877 | 3024 | 50 | 2000-06-16 | Sabellariidae | 80 |
| 6680886 | 3024 | 59 | 2000-08-11 | Sabellariidae | 63 |
| 6735700 | 3024 | 59 | 2000-08-11 | Sabellariidae | 60 |
| 6736340 | 3024 | 59 | 2000-08-11 | Sabellariidae | 90 |
| 6781372 | 3024 | 59 | 2000-08-11 | Sabellariidae | 75 |
| 6737373 | 3024 | 6 | 2000-06-15 | Sabellariidae | 72 |

Programs containing flagged data:

295 - Florida Keys and Southeast Florida Coral Reef Evaluation and Monitoring Project (CREMP/SECREMP)

899 - USGS Coral Reef Ecosystem Studies (CREST) Project

3022 - National Coral Reef Monitoring Program (NCRMP)

3024 - Palm Beach County Artificial and Natural Reef Monitoring Program

There are no *High* Quantile Flagged Values for Percent Live Tissue