Oyster Reef Indicator Quantile Report
SEACAR Analysis

Last compiled on 21 September, 2023

Contents

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**

Potential Included Parameters:

- Density
- Number of Oysters Counted - Dead
- Number of Oysters Counted - Live
- Number of Oysters Counted - Total
- Percent Live
- Reef Height
- Shell Height

The data file used for the analysis: **All_Oyster_Parameters-2023-Sep-20.txt**

Table 1: Indicator Quantile Overview

parameter	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Density	0.00	7387.01	455.11	5185	0	6	0.12
Number of Oysters Counted - Dead/0.06m2	0.00	99.89	46.43	1112	0	2	0.18
Number of Oysters Counted - Dead/0.1m2	0.00	67.76	6.61	161	0	1	0.62
Number of Oysters Counted - Dead/0.25m2	0.00	168.16	5.87	2985	0	3	0.10
Number of Oysters Counted - Dead/1m2	0.00	171.62	9.37	153	0	1	0.65
Number of Oysters Counted - Dead/NAm2	0.00	27.85	5.51	51	0	1	1.96
Number of Oysters Counted - Live/0.06m2	0.00	209.61	37.77	1482	0	2	0.13
Number of Oysters Counted - Live/0.1m2	0.00	263.00	21.52	161	0	1	0.62
Number of Oysters Counted - Live/0.25m2	0.00	457.17	30.60	2998	0	3	0.10
Number of Oysters Counted - Live/1m2	0.00	267.60	15.36	201	0	1	0.50
Number of Oysters Counted - Live/NAm2	0.00	101.12	29.76	439	0	1	0.23
Number of Oysters Counted - Total/0.06m2	0.00	532.47	82.40	1897	0	2	0.11
Number of Oysters Counted - Total/0.1m2	0.00	288.20	28.14	161	0	1	0.62
Number of Oysters Counted - Total/0.25m2	0.00	584.29	36.92	2977	0	3	0.10
Number of Oysters Counted - Total/1m2	0.00	305.16	56.65	79	0	1	1.27
Number of Oysters Counted - Total/NAm2	0.00	104.50	13.92	51	0	1	1.96
Reef Height	-200.00	15685.40	387.58	2074	2	3	0.24
Shell Height/0.06m2	1.90	125.82	36.59	107326	105	108	0.20
Shell Height/0.1m2	4.06	79.94	23.98	1060	2	2	0.38
Shell Height/0.25m2	2.00	105.00	38.68	425728	240	406	0.15
Shell Height/1m2	0.00	118.30	27.06	640	0	1	0.16
Shell Height/NAm2	3.48	151.23	42.46	7450	8	8	0.21

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.

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

Low Quantile

Shell Height/0.06m2

Table 2: Flagged Values - Low Indicator Quantile: **1.9**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1072458	4000	BU3	2020-02-14	1.0
1072543	4000	BU3	2020-02-14	1.0
1072789	4000	BU3	2020-02-14	1.0
1073049	4000	BU3	2020-02-14	1.0
1439844	4000	GR101	2016-07-08	1.1
1440178	4000	GR101	2016-07-08	1.4
1440179	4000	GR101	2016-07-08	1.7
1441830	4000	GR101	2016-07-08	1.4
1448964	4000	GR101	2016-07-08	1.0
1448965	4000	GR101	2016-07-08	1.4
1643031	4000	GR101	2016-07-08	1.7
1653021	4000	GR101	2016-07-08	1.0
1394067	4000	GR102	2016-07-27	1.5
1394275	4000	GR102	2016-07-27	1.6
1397499	4000	GR102	2016-07-27	1.8
1387614	4000	GR250	2015-12-10	1.5
1400006	4000	GR5A	2016-09-07	1.1
1403776	4000	GR5A	2016-09-07	1.4
1403777	4000	GR5A	2016-09-07	1.7
1406028	4000	GR5A	2016-09-07	0.7
1406042	4000	GR5A	2016-09-07	1.5
1406057	4000	GR5A	2016-09-07	1.0
1409759	4000	GR5A	2016-09-07	1.4
1409768	4000	GR5A	2016-09-07	1.8
1412450	4000	GR5A	2016-09-07	1.7
1412783	4000	GR5A	2016-09-07	0.7
1412784	4000	GR5A	2016-09-07	1.3
1417241	4000	GR5A	2016-09-07	1.8
1417305	4000	GR5A	2016-09-07	1.5
1648033	4000	GR5A	2016-09-07	1.2
941041	4000	GR65	2016-09-07	1.7
941354	4000	GR65	2016-09-07	1.3
941571	4000	GR65	2016-09-07	1.5
941576	4000	GR65	2016-09-07	1.4
941839	4000	GR65	2016-09-07	1.4
941990	4000	GR65	2016-09-07	1.6
942471	4000	GR65	2016-09-07	1.4
942473	4000	GR65	2016-09-07	1.7
943848	4000	GR65	2016-09-07	1.3
943926	4000	GR65	2016-09-07	1.8
945241	4000	GR65	2016-09-07	1.7
1696518	4000	GR65	2016-09-07	1.4
1702782	4000	GR65	2016-09-07	1.2
1653017	4000	GR73	2016-09-06	1.6
993851	4000	GR8	2015-01-29	1.7

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
996401	4000	GR8	2018-10-16	1.8
930196	4000	PF415	2016-01-13	1.8
1245769	4000	PF727	2016-01-14	1.7
972174	4000	SR24	2016-07-29	1.8
1391331	4000	SR41	2016-08-17	1.3
1392647	4000	SR41	2016-08-17	1.7
1013787	4000	SR5	2015-06-23	1.8
1063299	4000	SR70	2016-07-12	1.1
1063320	4000	SR70	2016-07-12	1.2
1063339	4000	SR70	2016-07-12	1.3
1063511	4000	SR70	2016-07-12	1.0
1063540	4000	SR70	2016-07-12	0.7
1064039	4000	SR70	2016-07-12	1.8
1064532	4000	SR70	2016-07-12	1.2
1064947	4000	SR70	2016-07-12	1.3
943511	4000	SR71	2016-07-13	1.3
946085	4000	SR71	2016-07-13	1.4
946086	4000	SR71	2016-07-13	1.0
946610	4000	SR71	2016-07-13	1.7
946614	4000	SR71	2016-07-13	1.2
947218	4000	SR71	2016-07-13	1.8
1692423	4000	SR71	2016-07-13	1.8
1701446	4000	SR71	2016-07-13	1.4
1702188	4000	SR71	2016-07-13	0.9
1677781	4000	SR8	2016-12-28	1.6
1301241	4000	SR86	2016-08-17	1.6
1301242	4000	SR86	2016-08-17	1.3
1662959	4000	SR86	2016-08-17	1.3
980135	4012	TB_Reference	2017-02-02	0.0
1056991	4016	SL1	2021-06-22	0.0
1248216	4016	SL1	2021-06-22	0.0
934000	5017	MLC20	2015-06-10	1.3
1574357	5017	MLC21	2015-06-03	1.0
1578203	5017	MLC21	2015-06-03	1.0
1578204	5017	MLC21	2015-06-03	1.0
1578271	5017	MLC21	2015-06-03	1.0
1578309	5017	MLC21	2015-06-03	1.0
1578310	5017	MLC21	2015-06-03	1.0
1578326	5017	MLC21	2015-06-03	1.0
1578706	5017	MLC21	2015-06-03	1.0
1578707	5017	MLC21	2015-06-03	1.0
1580390	5017	MLC21	2015-06-03	1.0
1580391	5017	MLC21	2015-06-03	1.0
1580897	5017	MLC21	2015-06-03	1.0
1581737	5017	MLC21	2015-06-03	1.0
1581739	5017	MLC21	2015-06-03	1.0
1581745	5017	MLC21	2015-06-03	1.0
1586218	5017	MLC21	2015-06-03	1.0
1603047	5017	MLC21	2015-06-03	1.0
1603048	5017	MLC21	2015-06-03	1.0
1714491	5017	MLC21	2015-06-03	1.0
923547	5017	MLC25	2015-06-04	1.5

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
936219	5017	MLC5	2015-06-10	1.7
937377	5017	MLC5	2015-06-10	1.6
937562	5017	MLC5	2015-06-10	1.6
946517	5017	MLC5	2015-06-10	1.4
1037626	5017	MLCBU12	2015-06-03	1.0
1037627	5017	MLCBU12	2015-06-03	1.0
1038796	5017	MLCBU12	2015-06-03	1.5
1356698	5017	NCB3	2015-07-17	0.0

Programs containing flagged data:

4000 - Guana Tolomato Matanzas NERR Oyster monitoring

4012 - SCCF Oyster Restoration Monitoring

4016 - Indian River Lagoon Oyster, Coastal Wetlands and Mangroves (MarineGEO site)

5017 - Northern Coastal Basins and Mosquito Lagoon Oyster Condition Assessment

Shell Height/0.25m2

Table 3: Flagged Values - Low Indicator Quantile: **2**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1301491	4012	TB_Restore	2016-02-23	0.77
1302677	4012	TB_Restore	2016-02-23	0.86
1304564	4012	TB_Restore	2016-02-23	0.88
1304567	4012	TB_Restore	2016-02-23	0.67
1304568	4012	TB_Restore	2016-02-23	0.77
1304594	4012	TB_Restore	2016-02-23	1.35
1304597	4012	TB_Restore	2016-02-23	0.53
1304702	4012	TB_Restore	2016-02-23	1.54
1304703	4012	TB_Restore	2016-02-23	1.57
1304705	4012	TB_Restore	2016-02-23	0.64
1304706	4012	TB_Restore	2016-02-23	0.33
1304712	4012	TB_Restore	2016-02-23	1.55
1304714	4012	TB_Restore	2016-02-23	0.60
1304715	4012	TB_Restore	2016-02-23	0.33
1304724	4012	TB_Restore	2016-02-23	1.66
1304726	4012	TB_Restore	2016-02-23	0.38
1304727	4012	TB_Restore	2016-02-23	0.50
1307313	4012	TB_Restore	2016-02-23	1.82
1307315	4012	TB_Restore	2016-02-23	0.47
1307316	4012	TB_Restore	2016-02-23	0.50
1307317	4012	TB_Restore	2016-02-23	0.33
1350616	4012	TB_Restore	2016-02-23	0.00
1356986	4012	TB_Restore	2016-02-23	0.07
1357533	4012	TB_Restore	2016-02-23	0.05
1657225	4012	TB_Restore	2016-02-23	0.54
1725614	4012	TB_Restore	2016-02-23	0.64
1725615	4012	TB_Restore	2016-02-23	0.16
1442003	4044	NRDA_APA-CP-MP2	2019-12-10	1.00
1418722	4044	NRDA_APA-DB-MP2	2021-09-30	1.00
1337394	4044	NRDA_APA-DB-MP3	2018-02-13	1.00
939645	4044	NRDA_APA-GP-MP1	2017-12-21	1.00
939682	4044	NRDA_APA-GP-MP1	2017-12-21	1.00
938800	4044	NRDA_APA-GP-MP1	2021-09-21	1.00
949059	4044	NRDA_APA-GP-MP1	2021-09-21	1.00
949367	4044	NRDA_APA-GP-MP1	2021-09-21	1.00
1725841	4044	NRDA_APA-GP-MP1	2021-09-21	1.00
1725843	4044	NRDA_APA-GP-MP1	2021-09-21	1.00
1093473	4044	NRDA_APA-HB-MP1	2017-11-30	1.00
1091415	4044	NRDA_APA-HB-MP1	2021-09-22	1.00
1092616	4044	NRDA_APA-HB-MP1	2021-09-22	1.00
1092618	4044	NRDA_APA-HB-MP1	2021-09-22	1.00
1093666	4044	NRDA_APA-HB-MP1	2021-09-22	1.00
1093669	4044	NRDA_APA-HB-MP1	2021-09-22	1.00
1685824	4044	NRDA_APA-HB-MP1	2021-09-22	1.00
1467192	4044	NRDA_APA-HB-MP2	2017-11-30	1.00
989716	4044	NRDA_APA-LG-MP1	2021-09-21	1.00
989883	4044	NRDA_APA-LG-MP1	2021-09-21	1.00
990018	4044	NRDA_APA-LG-MP1	2021-09-21	1.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
994473	4044	NRDA_APA-LG-MP1	2021-09-21	1.00
923828	4044	NRDA_APA-LG-MP2	2021-09-21	1.00
1342942	4044	NRDA_APA-LH-MP2	2017-06-09	1.00
1359503	4044	NRDA_APA-LH-MP2	2021-09-22	1.00
1363052	4044	NRDA_APA-LH-MP2	2021-09-22	1.00
921702	4044	NRDA_APA-NBM-MP1	2017-06-09	1.00
922830	4044	NRDA_APA-NBM-MP1	2017-06-09	1.00
925417	4044	NRDA_APA-NBM-MP1	2017-06-09	1.00
924815	4044	NRDA_APA-NBM-MP1	2021-12-02	1.00
1599704	4044	NRDA_APA-NBM-MP2	2017-06-09	1.00
1603011	4044	NRDA_APA-NBM-MP2	2017-06-09	1.00
1278485	4044	NRDA_APA-NS-MP1	2021-09-21	1.00
1446600	4044	NRDA_APA-RC1-MP1	2017-07-05	1.00
1448304	4044	NRDA_APA-RC1-MP1	2017-07-05	1.00
1647009	4044	NRDA_APA-RC1-MP1	2017-07-05	1.00
1258905	4044	NRDA_APA-RC1-MP2	2017-07-05	1.00
1316360	5007	R-9MB-MP1	2021-04-12	0.00
1317617	5007	R-9MB-MP1	2021-04-12	0.00
1317618	5007	R-9MB-MP1	2021-04-12	0.00
1317671	5007	R-9MB-MP1	2021-04-12	0.00
1317672	5007	R-9MB-MP1	2021-04-12	0.00
1317673	5007	R-9MB-MP1	2021-04-12	0.00
1317676	5007	R-9MB-MP1	2021-04-12	0.00
1319330	5007	R-9MB-MP1	2021-04-12	0.00
1319335	5007	R-9MB-MP1	2021-04-12	0.00
1319344	5007	R-9MB-MP1	2021-04-12	0.00
1319345	5007	R-9MB-MP1	2021-04-12	0.00
1650118	5007	R-9MB-MP1	2021-04-12	0.00
1651941	5007	R-9MB-MP1	2021-04-12	0.00
1676526	5007	R-9MB-MP1	2021-04-12	0.00
1216949	5007	R-CP-MP1	2019-08-16	1.00
1019796	5007	R-CP-MP3	2019-08-13	1.00
1057909	5007	R-CP-MP3	2019-08-13	1.00
1072630	5007	R-CP-MP3	2019-08-13	1.00
1208591	5007	R-CPS-MP1	2019-08-23	1.00
1088495	5007	R-CPS-MP1	2021-06-17	1.00
1089380	5007	R-CPS-MP1	2021-06-17	1.00
1091073	5007	R-CPS-MP1	2021-06-17	1.00
1091847	5007	R-CPS-MP1	2021-06-17	1.00
1206784	5007	R-CPS-MP1	2021-06-17	1.00
1208931	5007	R-CPS-MP1	2021-06-17	1.00
1208969	5007	R-CPS-MP1	2021-06-17	1.00
1211178	5007	R-CPS-MP1	2021-06-17	1.00
1224164	5007	R-CPS-MP1	2021-06-17	1.00
1226430	5007	R-CPS-MP1	2021-06-17	1.00
1250464	5007	R-CPS-MP1	2021-06-17	1.00
1252651	5007	R-CPS-MP1	2021-06-17	1.00
1252656	5007	R-CPS-MP1	2021-06-17	1.00
1662187	5007	R-CPS-MP1	2021-06-17	1.00
1667049	5007	R-CPS-MP1	2021-06-17	1.00
1671253	5007	R-CPS-MP1	2021-06-17	1.00
984329	5007	R-CPS-MP2	2021-06-17	1.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
985649	5007	R-CPS-MP2	2021-06-17	1.00
988313	5007	R-CPS-MP2	2021-06-17	1.00
1015523	5007	R-CPS-MP2	2021-06-17	1.00
1723634	5007	R-CPS-MP2	2021-06-17	1.00
948054	5007	R-EH1-MP1	2019-07-31	1.00
945102	5007	R-EH1-MP1	2021-06-24	1.00
945605	5007	R-EH1-MP1	2021-06-24	1.00
945750	5007	R-EH1-MP1	2021-06-24	1.00
945820	5007	R-EH1-MP1	2021-06-24	1.00
947039	5007	R-EH1-MP1	2021-06-24	1.00
947399	5007	R-EH1-MP1	2021-06-24	1.00
947487	5007	R-EH1-MP1	2021-06-24	1.00
947520	5007	R-EH1-MP1	2021-06-24	1.00
948285	5007	R-EH1-MP1	2021-06-24	1.00
948575	5007	R-EH1-MP1	2021-06-24	1.00
949335	5007	R-EH1-MP1	2021-06-24	1.00
1711101	5007	R-EH1-MP1	2021-06-24	1.00
1711102	5007	R-EH1-MP1	2021-06-24	1.00
1714085	5007	R-EH1-MP1	2021-06-24	1.00
1071242	5007	R-EH1-MP2	2018-09-13	1.00
1067989	5007	R-EH1-MP2	2021-06-24	1.00
1381652	5007	R-EH1-MP4	2019-07-30	1.00
1422129	5007	R-HB1-MP1	2018-06-26	1.00
1227471	5007	R-HB1-MP2	2021-01-13	1.00
1227472	5007	R-HB1-MP2	2021-01-13	1.00
1229693	5007	R-HB1-MP2	2021-01-13	1.00
1230457	5007	R-HB1-MP2	2021-01-13	1.00
1249000	5007	R-HB1-MP2	2021-01-13	1.00
1417914	5007	R-HB2-MP1	2018-06-26	1.00
1418280	5007	R-HB2-MP1	2018-06-26	1.00
1421453	5007	R-HB2-MP1	2018-06-26	1.00
1421935	5007	R-HB2-MP1	2018-06-26	1.00
1422451	5007	R-HB2-MP1	2018-06-26	1.00
1422621	5007	R-HB2-MP1	2018-06-26	1.00
1277783	5007	R-ME-MP2	2019-08-21	1.00
1357905	5007	R-NS2-MP1	2018-06-25	1.00
1362062	5007	R-NS2-MP1	2018-06-25	1.00
915014	5007	R-NS2-MP2	2018-06-25	1.00
922967	5007	R-NS2-MP2	2018-06-25	1.00
936107	5007	R-NS2-MP2	2018-06-25	1.00
941132	5007	R-NS2-MP2	2018-06-25	1.00
923037	5007	R-NS2-MP2	2020-12-15	0.00
1037311	5007	R-PR-MP1	2019-08-21	1.00
1683657	5007	R-PR-MP1	2019-08-21	1.00
1032530	5007	R-PR-MP1	2021-06-24	1.00
1032555	5007	R-PR-MP1	2021-06-24	1.00
1032729	5007	R-PR-MP1	2021-06-24	1.00
1033214	5007	R-PR-MP1	2021-06-24	1.00
1034536	5007	R-PR-MP1	2021-06-24	1.00
1034871	5007	R-PR-MP1	2021-06-24	1.00
1034947	5007	R-PR-MP1	2021-06-24	1.00
1328420	5007	R-PR-MP2	2021-06-24	1.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1328538	5007	R-PR-MP2	2021-06-24	1.00
1331707	5007	R-PR-MP2	2021-06-24	1.00
1354696	5007	R-PR-MP2	2021-06-24	1.00
1355199	5007	R-PR-MP2	2021-06-24	1.00
1646989	5007	R-PR-MP2	2021-06-24	1.00
1652393	5007	R-PR-MP2	2021-06-24	1.00
1046937	5007	R-SB-MP1	2018-09-13	1.00
1047238	5007	R-SB-MP1	2018-09-13	1.00
1053033	5007	R-SB-MP1	2018-09-13	1.00
1054620	5007	R-SB-MP1	2018-09-13	1.00
1054621	5007	R-SB-MP1	2018-09-13	1.00
1054776	5007	R-SB-MP1	2018-09-13	1.00
1054777	5007	R-SB-MP1	2018-09-13	1.00
1025148	10002	East Hole	2003-09-30	1.00
1025149	10002	East Hole	2003-09-30	1.00
1025150	10002	East Hole	2003-09-30	1.00
1025151	10002	East Hole	2003-09-30	1.00
1025152	10002	East Hole	2003-09-30	1.00
1025153	10002	East Hole	2003-09-30	1.00
1025239	10002	East Hole	2003-09-30	1.00
1025240	10002	East Hole	2003-09-30	1.00
1025241	10002	East Hole	2003-09-30	1.00
1025266	10002	East Hole	2003-09-30	1.00
1025267	10002	East Hole	2003-09-30	1.00
1025268	10002	East Hole	2003-09-30	1.00
1025269	10002	East Hole	2003-09-30	1.00
1025270	10002	East Hole	2003-09-30	1.00
1025271	10002	East Hole	2003-09-30	1.00
1025399	10002	East Hole	2003-09-30	1.00
1025400	10002	East Hole	2003-09-30	1.00
1025401	10002	East Hole	2003-09-30	1.00
1025418	10002	East Hole	2003-09-30	1.00
1025419	10002	East Hole	2003-09-30	1.00
1025533	10002	East Hole	2003-09-30	1.00
1025534	10002	East Hole	2003-09-30	1.00
1025535	10002	East Hole	2003-09-30	1.00
1025581	10002	East Hole	2003-09-30	1.00
1025582	10002	East Hole	2003-09-30	1.00
1025583	10002	East Hole	2003-09-30	1.00
1025584	10002	East Hole	2003-09-30	1.00
1025585	10002	East Hole	2003-09-30	1.00
1025586	10002	East Hole	2003-09-30	1.00
1025587	10002	East Hole	2003-09-30	1.00
1025649	10002	East Hole	2003-09-30	1.00
1025650	10002	East Hole	2003-09-30	1.00
1025651	10002	East Hole	2003-09-30	1.00
1025652	10002	East Hole	2003-09-30	1.00
1025653	10002	East Hole	2003-09-30	1.00
1025654	10002	East Hole	2003-09-30	1.00
1025657	10002	East Hole	2003-09-30	1.00
1025658	10002	East Hole	2003-09-30	1.00
1025659	10002	East Hole	2003-09-30	1.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1025717	10002	East Hole	2003-09-30	1.00
1025718	10002	East Hole	2003-09-30	1.00
1025719	10002	East Hole	2003-09-30	1.00
1025720	10002	East Hole	2003-09-30	1.00
1025793	10002	East Hole	2003-09-30	1.00
1025794	10002	East Hole	2003-09-30	1.00
1025918	10002	East Hole	2003-09-30	1.00
1026066	10002	East Hole	2003-09-30	1.00
1026067	10002	East Hole	2003-09-30	1.00
1026068	10002	East Hole	2003-09-30	1.00
1026069	10002	East Hole	2003-09-30	1.00
1026070	10002	East Hole	2003-09-30	1.00
1026071	10002	East Hole	2003-09-30	1.00
1026072	10002	East Hole	2003-09-30	1.00
1026290	10002	East Hole	2003-09-30	1.00
1026291	10002	East Hole	2003-09-30	1.00
1026292	10002	East Hole	2003-09-30	1.00
1026411	10002	East Hole	2003-09-30	1.00
1029102	10002	East Hole	2003-09-30	1.00
1029103	10002	East Hole	2003-09-30	1.00
1029104	10002	East Hole	2003-09-30	1.00
1029105	10002	East Hole	2003-09-30	1.00
1029147	10002	East Hole	2003-09-30	1.00
1029703	10002	East Hole	2003-09-30	1.00
1029704	10002	East Hole	2003-09-30	1.00
1689009	10002	East Hole	2003-09-30	1.00
1689010	10002	East Hole	2003-09-30	1.00
1694118	10002	East Hole	2003-09-30	1.00
1694426	10002	East Hole	2003-09-30	1.00
1694430	10002	East Hole	2003-09-30	1.00
1700691	10002	East Hole	2003-09-30	1.00
1708252	10002	East Hole	2003-09-30	1.00
1708473	10002	East Hole	2003-09-30	1.00
1710198	10002	East Hole	2003-09-30	1.00
1724788	10002	East Hole	2003-09-30	1.00
1725149	10002	East Hole	2003-09-30	1.00

Programs containing flagged data:

4012 - SCCF Oyster Restoration Monitoring

4044 - NRDA Oyster Cultch Recovery Project

5007 - RESTORE Oyster Cultch Recovery

10002 - Apalachicola Bay Oyster Size Class Monitoring

Reef Height

Table 4: Flagged Values - Low Indicator Quantile: **-200**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1031615	5017	ML22	2016-06-01	-595
931342	5017	MLC20	2016-06-01	-460

Programs containing flagged data:

5017 - Northern Coastal Basins and Mosquito Lagoon Oyster Condition Assessment

Shell Height/NAm2

Table 5: Flagged Values - Low Indicator Quantile: **3.48409**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1591269	4042	185a	2018-01-30	2.0
1592577	4042	185a	2018-01-30	2.0
1556027	4042	371a	2018-01-29	3.3
1230947	4042	515a	2018-01-31	2.0
1230948	4042	515a	2018-01-31	2.0
1667212	4042	515a	2018-01-31	3.0
1372795	4042	699b	2015-03-05	2.0
1374428	4042	699b	2015-03-05	0.0

Programs containing flagged data:

4042 - Estero Bay Oyster Monitoring

Shell Height/0.1m2

Table 6: Flagged Values - Low Indicator Quantile: **4.059**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
935416	5063	240	2016-11-13	3
1083307	5063	375	2016-11-17	4

Programs containing flagged data:

5063 - Distribution and Condition of Intertidal Eastern Oyster (Crassostrea virginica) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery

High Quantile

Number of Oysters Counted - Live/0.06m2

Table 7: Flagged Values - High Indicator Quantile: **209.608**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
990291	972	ANG1	2013-05-22	248
977772	972	ANG1	2017-12-14	225

Programs containing flagged data:

972 - Sarasota County Comprehensive Oyster Monitoring Program

Number of Oysters Counted - Dead/0.06m2

Table 8: Flagged Values - High Indicator Quantile: **99.889**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1494756	4042	042a	2018-01-22	100
1715500	4042	723a	2018-01-31	100

Programs containing flagged data:

4042 - Estero Bay Oyster Monitoring

Number of Oysters Counted - Total/0.06m2

Table 9: Flagged Values - High Indicator Quantile: **532.472**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1634406	4000	PF323	2015-12-16	571
1633724	4000	PFD	2015-08-06	694

Programs containing flagged data:

4000 - Guana Tolomato Matanzas NERR Oyster monitoring

Number of Oysters Counted - Dead/0.25m2

Table 10: Flagged Values - High Indicator Quantile: **168.16**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1638802	4014	10	2003-09-22	201
956279	4014	5	2003-07-22	178
964011	5073	FLAO61-A1006-TJ916Q	2010-10-06	542

Programs containing flagged data:

4014 - Loxahatchee River Oyster Mapping and Recruitment
5073 - Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling

Number of Oysters Counted - Live/0.25m2

Table 11: Flagged Values - High Indicator Quantile: **457.165**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1334108	4012	TB_Restore	2016-03-01	512
1638801	4014	10	2003-09-22	695
1059656	4014	13	2003-10-21	901

Programs containing flagged data:

4012 - SCCF Oyster Restoration Monitoring
4014 - Loxahatchee River Oyster Mapping and Recruitment

Shell Height/0.06m2

Table 12: Flagged Values - High Indicator Quantile: **125.82025**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1438765	4000	FM32	2018-09-10 00:00:00	126.50
1265806	4000	GR1	2014-05-22 00:00:00	136.60
1273936	4000	GR1	2015-07-22 00:00:00	138.70
1278708	4000	GR1	2016-08-22 00:00:00	132.00
1281549	4000	GR1	2016-08-22 00:00:00	134.80
914011	4000	GR11	2016-02-17 00:00:00	127.80
914033	4000	GR11	2016-02-17 00:00:00	140.10
915755	4000	GR11	2016-02-17 00:00:00	150.90
1712966	4000	GR11	2016-02-17 00:00:00	135.70
1435783	4000	GR1A	2018-09-11 00:00:00	142.10
947112	4000	GR21	2016-09-09 00:00:00	126.00
1727009	4000	GR21	2016-09-12 00:00:00	128.70
1315651	4000	GR2A	2016-07-27 00:00:00	142.90
1316305	4000	GR2A	2016-07-27 00:00:00	131.30
1320404	4000	GR2B	2020-02-17 00:00:00	132.00
1612506	4000	GR30	2016-09-12 00:00:00	146.80
1612510	4000	GR30	2016-09-12 00:00:00	129.20
1701056	4000	GR32	2016-08-24 00:00:00	126.70
922284	4000	GR4	2015-07-23 00:00:00	128.70
1358487	4000	GR70	2016-02-17 00:00:00	163.00
1269900	4000	GR78	2016-08-24 00:00:00	138.80
1271397	4000	GR78	2016-08-24 00:00:00	135.30
1361966	4000	MC2	2015-06-22 00:00:00	237.20
1574902	4000	SA443	2016-08-26 00:00:00	129.80
1472198	4000	SR1A	2016-08-10 00:00:00	152.90
1341793	4000	SR4	2014-06-03 00:00:00	130.20
1337276	4000	SR4	2014-07-03 00:00:00	130.20
1339767	4000	SR4	2015-01-27 00:00:00	132.40
1034624	4000	SR5	2015-06-23 00:00:00	126.90
1325016	4000	SR6A	2016-07-29 00:00:00	126.40
1327056	4000	SR6A	2016-07-29 00:00:00	146.20
1388829	4000	SR7	2015-01-27 00:00:00	129.80
1000900	4000	SR7A	2016-07-29 00:00:00	126.90
1002953	4000	SR7A	2016-07-29 00:00:00	128.10
1027389	4000	SR8	2015-01-27 00:00:00	130.00
1104479	4000	SR8	2015-01-27 00:00:00	134.20
1110796	4000	SR8	2015-01-27 00:00:00	128.50
1204995	4000	SR8	2015-01-27 00:00:00	146.50
1687340	4000	SR8	2015-01-27 00:00:00	137.50
1105036	4000	SR8	2015-06-23 00:00:00	130.70
1099622	4000	SR8	2016-12-28 00:00:00	174.50
1299333	4000	SR86	2016-08-17 00:00:00	131.60
1299922	4000	SR86	2016-08-17 00:00:00	126.10
1301189	4000	SR86	2016-08-17 00:00:00	133.00
1208175	4000	TR220	2016-02-29 00:00:00	135.20
1519107	4000	TR3A	2014-06-04 00:00:00	137.20
914722	4000	W22GR13	2022-01-13 00:00:00	135.10
1387328	4000	W22GR14	2022-01-13 00:00:00	130.30

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1387330	4000	W22GR14	2022-01-13 00:00:00	129.30
1641587	4000	W22GR14	2022-01-13 00:00:00	130.50
1647071	4000	W22GR14	2022-01-13 00:00:00	126.40
1222582	4000	W22GR15	2022-03-16 00:00:00	126.50
1223330	4000	W22GR15	2022-03-16 00:00:00	145.80
1223331	4000	W22GR15	2022-03-16 00:00:00	158.00
1225039	4000	W22GR15	2022-03-16 00:00:00	143.40
1235967	4000	W22GR15	2022-03-16 00:00:00	127.60
1235968	4000	W22GR15	2022-03-16 00:00:00	128.90
1235975	4000	W22GR15	2022-03-16 00:00:00	135.60
1236022	4000	W22GR15	2022-03-16 00:00:00	133.80
1247681	4000	W22GR15	2022-03-16 00:00:00	135.00
1666714	4000	W22GR15	2022-03-16 00:00:00	153.20
1236491	4000	W22GR17	2022-03-16 00:00:00	129.50
1236492	4000	W22GR17	2022-03-16 00:00:00	137.20
1237757	4000	W22GR17	2022-03-16 00:00:00	127.60
1238448	4000	W22GR17	2022-03-16 00:00:00	150.50
1238903	4000	W22GR17	2022-03-16 00:00:00	125.90
1238974	4000	W22GR17	2022-03-16 00:00:00	133.50
1240722	4000	W22GR17	2022-03-16 00:00:00	150.10
1240736	4000	W22GR17	2022-03-16 00:00:00	150.00
1240738	4000	W22GR17	2022-03-16 00:00:00	152.10
1677324	4000	W22GR17	2022-03-16 00:00:00	128.30
1516143	5017	B1 NEW	2016-06-02 00:00:00	139.50
1302710	5017	B2	2016-05-31 00:00:00	126.90
1302738	5017	B2	2016-05-31 00:00:00	149.30
1335121	5017	B2	2016-05-31 00:00:00	142.30
1335129	5017	B2	2016-05-31 00:00:00	129.50
1430493	5017	B5	2016-06-28 00:00:00	164.30
1616854	5017	MLC3	2015-05-30 00:00:00	865.00
937500	5017	MLC5	2015-06-10 00:00:00	367.00
937570	5017	MLC5	2015-06-10 00:00:00	344.00
1018895	5017	MLC7	2015-05-31 00:00:00	136.00
1058239	5035	8849	2018-09-11 19:39:45	145.71
1059307	5035	8849	2018-09-11 19:39:45	130.26
1060820	5035	8849	2018-09-11 19:39:45	130.25
950673	5035	8850	2018-09-11 19:48:19	130.51
950924	5035	8850	2018-09-11 19:48:19	133.47
950936	5035	8850	2018-09-11 19:48:19	141.75
953232	5035	8850	2018-09-11 19:48:19	146.25
1714498	5035	8850	2018-09-11 19:48:19	131.40
986396	5035	8851	2018-09-11 20:12:16	128.78
1575073	5035	8852	2018-09-11 20:50:29	127.17
1576710	5035	8852	2018-09-11 20:50:29	129.23
1581818	5035	8853	2018-09-11 20:52:58	140.79
1612724	5035	8853	2018-09-11 20:52:58	132.83
1613246	5035	8853	2018-09-11 20:52:58	125.83
927826	5035	8854	2018-09-11 20:54:55	127.05
930409	5035	8854	2018-09-11 20:54:55	128.13
940012	5035	8857	2018-09-11 22:25:14	128.97
940921	5035	8857	2018-09-11 22:25:14	127.69
942088	5035	8857	2018-09-11 22:25:14	131.09

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1282221	5035	8889	2018-10-04 20:53:33	133.17
1285152	5035	8889	2018-10-04 20:53:33	127.29
1633947	5035	8897	2018-10-05 20:53:20	138.49
1220741	5035	8922	2018-09-04 21:46:47	131.01
1223971	5035	8922	2018-09-04 21:46:47	136.42
984483	5035	8924	2018-09-04 22:42:42	126.52
1368263	5035	8932	2018-09-11 11:25:06	129.55
969362	5035	8933	2018-09-11 11:26:21	126.45

Programs containing flagged data:

4000 - Guana Tolomato Matanzas NERR Oyster monitoring

5017 - Northern Coastal Basins and Mosquito Lagoon Oyster Condition Assessment

5035 - Historical Oyster Body Size (HOBS) Study

Shell Height/0.25m2

Table 13: Flagged Values - High Indicator Quantile: **105**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1709427	4014	NWF_37_1	2008-07-18	110.00
1054281	4014	NWF_39_1	2008-07-24	115.00
1662098	4014	NWF_50_1	2008-07-25	110.00
1299522	4014	NWF_52_1	2008-07-25	110.00
1008545	4014	NWF_56_4	2013-07-02	116.00
1565634	4014	NWF_76_1	2008-08-15	110.00
1072744	4014	NWF_77_2	2013-07-15	110.00
1343618	4014	NWF_79_2	2013-07-15	115.00
1338867	4014	SWF_01_2	2008-07-01	130.00
1265756	4014	SWF_02_3	2008-07-01	110.00
961244	4014	SWF_06_3	2008-07-02	110.00
1659956	4014	SWF_19_1	2008-07-10	150.00
1083464	4014	SWF_23_1	2013-08-15	110.00
956341	4014	SWF_25_1	2013-07-29	118.00
950064	4014	SWF_25_2	2013-07-29	125.00
1264366	4014	SWF_27_1	2008-07-10	115.00
1384754	4014	SWF_28_1	2008-07-11	130.00
1387533	4014	SWF_28_1	2008-07-11	115.00
1422692	4014	SWF_29_1	2008-07-11	110.00
1037718	4014	SWF_33_1	2008-07-11	110.00
1336556	4014	SWF_35_1	2008-07-11	110.00
953542	4044	NRDA_APA-CP-MP1	2017-04-18	125.00
958182	4044	NRDA_APA-CP-MP1	2017-04-18	107.00
958845	4044	NRDA_APA-CP-MP1	2017-04-18	115.00
960756	4044	NRDA_APA-CP-MP1	2017-04-18	112.00
1493067	4044	NRDA_APA-CT-MP1	2018-04-02	110.00
947373	4044	NRDA_APA-CT-MP2	2017-06-30	113.00
1701809	4044	NRDA_APA-CT-MP2	2017-06-30	128.00
1409465	4044	NRDA_APA-LH-MP1	2017-06-09	107.00
1379672	4044	NRDA_APA-LH-MP1	2018-03-15	111.00
935838	4044	NRDA_APA-NBN-MP1	2021-12-02	106.00
1712306	4044	NRDA_APA-NBN-MP1	2021-12-02	109.00
1643902	4044	NRDA_APA-RC1-MP1	2018-03-05	108.00
925872	4044	NRDA_APA-RC2-MP1	2017-07-05	110.00
927371	4044	NRDA_APA-RC2-MP1	2017-07-05	138.00
1214271	5007	R-CP-MP1	2021-04-14	107.00
1208993	5007	R-CPS-MP1	2021-06-17	108.00
985181	5007	R-CPS-MP2	2021-06-17	118.00
1450294	5007	R-ME-MP1	2021-06-04	108.00
1274953	5007	R-ME-MP2	2021-06-04	112.00
1033172	5007	R-PR-MP1	2021-06-24	129.00
1033205	5007	R-PR-MP1	2021-06-24	143.00
1034596	5007	R-PR-MP1	2021-06-24	120.00
1336419	5007	R-PR-MP2	2021-06-24	116.00
1068321	5007	R-SB-MP1	2021-06-04	108.00
1691206	5007	R-SB-MP1	2021-06-04	112.00
972897	5070	Inshore 1	2016-07-25	108.47
983382	5070	Inshore 1	2016-07-25	108.47

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1053382	5070	Inshore 4	2016-07-25	109.16
1053383	5070	Inshore 4	2016-07-25	110.25
1053908	5070	Inshore 4	2016-07-25	109.16
1053909	5070	Inshore 4	2016-07-25	110.25
1418538	5074	Homo_18	2018-03-22	107.00
1039746	5074	Homo_21	2018-03-28	107.00
1039752	5074	Homo_21	2018-03-28	105.50
1039753	5074	Homo_21	2018-03-28	112.00
1614215	10002	Bulkhead Plant	1989-04-21	110.00
1616525	10002	Bulkhead Plant	1989-04-21	110.00
1627087	10002	Bulkhead Plant	1989-04-21	135.00
1426721	10002	Cabbage Lump	1984-06-14	120.00
1427845	10002	Cabbage Lump	1984-06-14	160.00
1427923	10002	Cabbage Lump	1984-06-14	130.00
1427982	10002	Cabbage Lump	1984-06-14	110.00
1637039	10002	Cabbage Lump	1984-06-14	130.00
1425358	10002	Cabbage Lump	1989-09-05	110.00
1416010	10002	Cabbage Lump	1992-07-13	115.00
1414544	10002	Cabbage Lump	1992-09-15	110.00
1416044	10002	Cabbage Lump	1992-09-15	110.00
1416045	10002	Cabbage Lump	1992-09-15	125.00
1371293	10002	Cat Plant	1991-06-18	115.00
1374567	10002	Cat Plant	1991-06-18	110.00
1452456	10002	Cat Plant	1992-06-23	110.00
1453986	10002	Cat Plant	1992-06-23	115.00
1454863	10002	Cat Plant	1992-06-23	115.00
1454957	10002	Cat Plant	1992-06-23	115.00
1456128	10002	Cat Plant	1992-06-23	115.00
1456179	10002	Cat Plant	1992-06-23	110.00
1469533	10002	Cat Plant	1992-06-23	110.00
1469723	10002	Cat Plant	1992-06-23	125.00
1469981	10002	Cat Plant	1992-06-23	110.00
1470667	10002	Cat Plant	1992-06-23	110.00
1470668	10002	Cat Plant	1992-06-23	110.00
1473501	10002	Cat Plant	1992-06-23	125.00
1475489	10002	Cat Plant	1992-06-23	150.00
1475503	10002	Cat Plant	1992-06-23	150.00
1477850	10002	Cat Plant	1992-06-23	110.00
1478420	10002	Cat Plant	1992-06-23	110.00
1469756	10002	Cat Plant	1993-06-22	120.00
1469764	10002	Cat Plant	1993-06-22	110.00
1469927	10002	Cat Plant	1993-06-22	115.00
1643841	10002	Cat Plant	1993-06-22	110.00
1465834	10002	Cat Point	1988-06-07	120.00
1467550	10002	Cat Point	1988-06-07	110.00
1469061	10002	Cat Point	1988-06-07	110.00
1637701	10002	Cat Point	1990-06-14	110.00
1503649	10002	Cat Point	1990-09-18	125.00
1506956	10002	Cat Point	1990-09-18	120.00
1512016	10002	Cat Point	1991-06-18	110.00
1512036	10002	Cat Point	1991-06-18	110.00
1633006	10002	Cat Point	1991-11-26	110.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1545681	10002	Cat Point	1993-04-29	110.00
1305831	10002	Cat Relay	1992-06-23	120.00
1305901	10002	Cat Relay	1992-06-23	135.00
1307064	10002	Cat Relay	1992-06-23	110.00
1313161	10002	Cat Relay	1992-06-23	110.00
1313576	10002	Cat Relay	1992-06-23	110.00
1170859	10002	Dry Bar	1982-09-01	110.00
1172143	10002	Dry Bar	1982-09-01	110.00
1172857	10002	Dry Bar	1982-09-01	110.00
1110081	10002	Dry Bar	1992-11-23	120.00
1110082	10002	Dry Bar	1992-11-23	115.00
1110531	10002	Dry Bar	1992-11-23	125.00
1119244	10002	Dry Bar	1993-06-03	110.00
1122213	10002	Dry Bar	1993-06-03	110.00
1689449	10002	Dry Bar	1993-06-03	110.00
1698813	10002	Dry Bar	1993-06-03	120.00
944212	10002	Dry Com	1992-11-23	115.00
944974	10002	Dry Com	1992-11-23	125.00
1702468	10002	Dry Com	1992-11-23	120.00
1045368	10002	Dry Plant	1990-09-19	110.00
938239	10002	Dry Plant / North Spur Plant	1985-09-12	115.00
936350	10002	Dry Plant / North Spur Plant	1985-10-01	115.00
936663	10002	Dry Plant / North Spur Plant	1985-10-01	110.00
938269	10002	Dry Plant / North Spur Plant	1985-10-01	115.00
938966	10002	Dry Plant / North Spur Plant	1985-10-01	115.00
938967	10002	Dry Plant / North Spur Plant	1985-10-01	110.00
939079	10002	Dry Plant / North Spur Plant	1985-10-01	115.00
939080	10002	Dry Plant / North Spur Plant	1985-10-01	110.00
939830	10002	Dry Plant / North Spur Plant	1985-10-01	110.00
1696483	10002	Dry Plant / North Spur Plant	1985-10-01	110.00
940605	10002	Dry Plant / North Spur Plant	1985-11-06	110.00
938165	10002	Dry Plant / North Spur Plant	1986-01-07	110.00
938502	10002	Dry Plant / North Spur Plant	1986-01-07	110.00
1701124	10002	Dry Plant / North Spur Plant	1986-01-07	110.00
1714452	10002	Dry Plant / North Spur Plant	1986-09-25	110.00
926233	10002	Dry Plant / North Spur Plant	1987-09-10	120.00
929044	10002	Dry Plant / North Spur Plant	1988-06-09	120.00
928397	10002	Dry Plant / North Spur Plant	1989-06-14	115.00
930758	10002	Dry Plant / North Spur Plant	1989-09-07	120.00
1070351	10002	East Hole	1988-06-08	120.00
1086273	10002	East Hole	1989-09-06	120.00
1076031	10002	East Hole	1993-06-02	110.00
1076032	10002	East Hole	1993-06-02	115.00
1080745	10002	East Hole	1993-06-02	110.00
1101996	10002	East Hole	1993-06-02	110.00
1677984	10002	East Hole	1993-06-02	110.00
1722169	10002	East Hole	1993-06-02	130.00
1416291	10002	Green Point Plant	1984-06-12	110.00
1434661	10002	Green Point Plant	1984-06-12	120.00
1555787	10002	Green Point Plant	1984-06-12	110.00
1559780	10002	Green Point Plant	1984-06-12	110.00
1575201	10002	Green Point Plant	1984-06-12	130.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1575374	10002	Green Point Plant	1984-06-12	110.00
1578656	10002	Green Point Plant	1984-06-12	110.00
1653512	10002	Green Point Plant	1984-06-12	120.00
1415133	10002	Green Point Plant	1985-05-31	110.00
1433576	10002	Green Point Plant	1985-05-31	125.00
1519726	10002	Green Point Plant	1985-05-31	120.00
1523046	10002	Green Point Plant	1985-05-31	110.00
1414718	10002	Green Point Plant	1985-09-04	110.00
1518583	10002	Green Point Plant	1986-04-30	110.00
1578651	10002	Green Point Plant	1986-04-30	110.00
1574137	10002	Green Point Plant	1986-08-01	115.00
1550696	10002	Green Point Plant	1987-09-09	115.00
1565332	10002	Green Point Plant	1987-09-09	115.00
1547997	10002	Green Point Plant	1989-09-07	120.00
1575404	10002	Green Point Plant	1990-09-18	110.00
1538619	10002	Green Point Plant	1991-09-18	110.00
1538613	10002	Green Point Plant	1992-07-13	125.00
1538986	10002	Green Point Plant	1992-09-15	110.00
1348887	10002	Lighthouse Bar	1987-06-04	115.00
1348908	10002	Lighthouse Bar	1987-06-04	115.00
1348909	10002	Lighthouse Bar	1987-06-04	120.00
1348912	10002	Lighthouse Bar	1987-06-04	115.00
1349595	10002	Lighthouse Bar	1987-06-04	110.00
1349618	10002	Lighthouse Bar	1987-06-04	110.00
1349619	10002	Lighthouse Bar	1987-06-04	115.00
1350318	10002	Lighthouse Bar	1987-06-04	115.00
1350832	10002	Lighthouse Bar	1987-06-04	130.00
1351600	10002	Lighthouse Bar	1987-06-04	120.00
1351636	10002	Lighthouse Bar	1987-06-04	110.00
1655189	10002	Lighthouse Bar	1987-06-04	110.00
1347802	10002	Lighthouse Bar	1987-10-15	110.00
1347926	10002	Lighthouse Bar	1987-10-15	110.00
1351603	10002	Lighthouse Bar	1987-10-15	110.00
1347563	10002	Lighthouse Bar	1988-06-07	135.00
1347564	10002	Lighthouse Bar	1988-06-07	115.00
1348472	10002	Lighthouse Bar	1988-06-07	135.00
1348802	10002	Lighthouse Bar	1988-06-07	120.00
1348810	10002	Lighthouse Bar	1988-06-07	135.00
1349313	10002	Lighthouse Bar	1988-06-07	120.00
1349507	10002	Lighthouse Bar	1988-06-07	110.00
1341838	10002	Lighthouse Bar	1989-06-13	120.00
1341855	10002	Lighthouse Bar	1989-06-13	120.00
1341856	10002	Lighthouse Bar	1989-06-13	125.00
1342001	10002	Lighthouse Bar	1989-06-13	110.00
1346797	10002	Lighthouse Bar	1989-06-13	135.00
1347866	10002	Lighthouse Bar	1989-06-13	110.00
1348109	10002	Lighthouse Bar	1989-06-13	110.00
1718533	10002	Lighthouse Bar	1989-06-13	115.00
1294002	10002	Lighthouse Bar	1990-06-12	125.00
1295309	10002	Lighthouse Bar	1990-06-12	140.00
1293256	10002	Lighthouse Bar	1990-09-20	110.00
1295842	10002	Lighthouse Bar	1992-06-22	115.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1296564	10002	Lighthouse Bar	1992-06-22	120.00
1298253	10002	Lighthouse Bar	1992-06-22	110.00
1298254	10002	Lighthouse Bar	1992-06-22	110.00
1298271	10002	Lighthouse Bar	1992-06-22	110.00
1298796	10002	Lighthouse Bar	1992-06-22	110.00
1299106	10002	Lighthouse Bar	1992-06-22	110.00
1299150	10002	Lighthouse Bar	1992-06-22	110.00
1299769	10002	Lighthouse Bar	1992-06-22	110.00
1315919	10002	Lighthouse Bar	1992-06-22	110.00
1318382	10002	Lighthouse Bar	1992-06-22	110.00
1318383	10002	Lighthouse Bar	1992-06-22	115.00
1674866	10002	Lighthouse Bar	1992-06-22	115.00
1719717	10002	Lighthouse Bar	1992-06-22	110.00
1271522	10002	Norman's Lump	1982-09-01	115.00
1269321	10002	Norman's Lump	1982-12-01	110.00
1271593	10002	Norman's Lump	1983-06-01	115.00
1271808	10002	Norman's Lump	1983-06-01	115.00
1290538	10002	Norman's Lump	1984-06-01	110.00
1276650	10002	Norman's Lump	1984-09-01	110.00
1662376	10002	Norman's Lump	1984-09-01	120.00
1255325	10002	Norman's Lump	1986-06-05	110.00
1678428	10002	Norman's Lump	1986-06-05	110.00
1257671	10002	Norman's Lump	1986-09-23	115.00
1289957	10002	Norman's Lump	1987-06-04	125.00
1292443	10002	Norman's Lump	1987-06-04	110.00
1300971	10002	Norman's Lump	1987-06-04	115.00
1303854	10002	Norman's Lump	1987-06-04	110.00
1289263	10002	Norman's Lump	1987-10-15	110.00
1289899	10002	Norman's Lump	1987-10-15	110.00
1290089	10002	Norman's Lump	1987-10-15	110.00
1315308	10002	Norman's Lump	1988-06-07	110.00
1660995	10002	Norman's Lump	1988-06-07	110.00
1313797	10002	Norman's Lump	1989-06-13	140.00
1337703	10002	Norman's Lump	1990-06-11	110.00
1338321	10002	Norman's Lump	1990-06-11	110.00
995199	10002	Norman's Lump South	1991-06-18	120.00
995201	10002	Norman's Lump South	1991-06-18	110.00
995202	10002	Norman's Lump South	1991-06-18	110.00
995526	10002	Norman's Lump South	1991-06-18	115.00
995554	10002	Norman's Lump South	1991-06-18	110.00
995555	10002	Norman's Lump South	1991-06-18	110.00
996360	10002	Norman's Lump South	1991-06-18	110.00
997397	10002	Norman's Lump South	1991-06-18	115.00
1687640	10002	Norman's Lump South	1991-06-18	110.00
1707616	10002	Norman's Lump South	1991-06-18	135.00
1724862	10002	Norman's Lump South	1991-06-18	110.00
995628	10002	Norman's Lump South	1992-06-22	115.00
995641	10002	Norman's Lump South	1992-06-22	110.00
998064	10002	Norman's Lump South	1992-06-22	115.00
999072	10002	Norman's Lump South	1992-06-22	120.00
1000381	10002	Norman's Lump South	1992-06-22	115.00
995693	10002	Norman's Lump South	1993-06-11	110.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
996711	10002	Norman's Lump South	1993-06-11	110.00
996839	10002	Norman's Lump South	1993-06-11	110.00
998487	10002	Norman's Lump South	1993-06-11	115.00
998655	10002	Norman's Lump South	1993-06-11	110.00
999085	10002	Norman's Lump South	1993-06-11	110.00
1309359	10002	Norman's South	1993-06-16	110.00
1309405	10002	Norman's South	1993-06-16	110.00
1309475	10002	Norman's South	1993-06-16	115.00
1309476	10002	Norman's South	1993-06-16	110.00
1309913	10002	Norman's South	1993-06-16	120.00
1312535	10002	Norman's South	1993-06-16	110.00
1655938	10002	Norman's South	1993-06-16	110.00
1339314	10002	Paradise Flats	1985-09-12	120.00
1340074	10002	Paradise Flats	1985-09-12	110.00
1343259	10002	Paradise Flats	1985-11-06	115.00
1334059	10002	Paradise Flats	1986-01-07	120.00
1338501	10002	Paradise Flats	1986-01-07	115.00
1339225	10002	Paradise Flats	1986-01-07	115.00
1339313	10002	Paradise Flats	1986-01-07	115.00
1340082	10002	Paradise Flats	1986-01-07	115.00
1340652	10002	Paradise Flats	1986-01-07	115.00
1332009	10002	Paradise Flats	1986-04-30	110.00
1333414	10002	Paradise Flats	1986-04-30	110.00
1333415	10002	Paradise Flats	1986-04-30	115.00
1333418	10002	Paradise Flats	1986-04-30	110.00
1334013	10002	Paradise Flats	1986-04-30	110.00
1334017	10002	Paradise Flats	1986-04-30	110.00
1334031	10002	Paradise Flats	1986-04-30	110.00
1334032	10002	Paradise Flats	1986-04-30	125.00
1334033	10002	Paradise Flats	1986-04-30	110.00
1334924	10002	Paradise Flats	1986-04-30	130.00
1338066	10002	Paradise Flats	1986-04-30	110.00
1338071	10002	Paradise Flats	1986-04-30	120.00
1338494	10002	Paradise Flats	1986-04-30	110.00
1339508	10002	Paradise Flats	1986-04-30	110.00
1339530	10002	Paradise Flats	1986-04-30	110.00
1340071	10002	Paradise Flats	1986-04-30	110.00
1340646	10002	Paradise Flats	1986-04-30	110.00
1340691	10002	Paradise Flats	1986-04-30	120.00
1340692	10002	Paradise Flats	1986-04-30	125.00
1342216	10002	Paradise Flats	1986-04-30	110.00
1343256	10002	Paradise Flats	1986-04-30	120.00
1651114	10002	Paradise Flats	1986-04-30	110.00
1654455	10002	Paradise Flats	1986-04-30	120.00
1665112	10002	Paradise Flats	1986-04-30	110.00
1333363	10002	Paradise Flats	1986-07-31	110.00
1333725	10002	Paradise Flats	1986-07-31	130.00
1333853	10002	Paradise Flats	1986-07-31	150.00
1333903	10002	Paradise Flats	1986-07-31	110.00
1338058	10002	Paradise Flats	1986-07-31	110.00
1338502	10002	Paradise Flats	1986-07-31	115.00
1654209	10002	Paradise Flats	1986-07-31	170.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1332001	10002	Paradise Flats	1986-09-24	120.00
1333716	10002	Paradise Flats	1986-09-24	115.00
1348685	10002	Paradise Flats	1986-09-24	115.00
1356101	10002	Paradise Flats	1986-09-24	110.00
1356639	10002	Paradise Flats	1986-09-24	120.00
1357274	10002	Paradise Flats	1986-09-24	140.00
1350444	10002	Paradise Flats	1987-09-10	110.00
1645431	10002	Paradise Flats	1987-09-10	110.00
1348506	10002	Paradise Flats	1988-09-27	120.00
1348731	10002	Paradise Flats	1989-09-05	110.00
957270	10002	Platform Bar	1982-09-01	120.00
957750	10002	Platform Bar	1982-09-01	120.00
958506	10002	Platform Bar	1982-09-01	110.00
958881	10002	Platform Bar	1982-09-01	130.00
959082	10002	Platform Bar	1982-09-01	110.00
961152	10002	Platform Bar	1982-09-01	110.00
961307	10002	Platform Bar	1982-09-01	145.00
961604	10002	Platform Bar	1982-09-01	110.00
1700945	10002	Platform Bar	1982-09-01	120.00
957788	10002	Platform Bar	1982-12-01	110.00
958512	10002	Platform Bar	1982-12-01	115.00
959141	10002	Platform Bar	1982-12-01	110.00
961609	10002	Platform Bar	1982-12-01	115.00
977982	10002	Platform Bar	1982-12-01	125.00
978133	10002	Platform Bar	1983-06-01	115.00
979339	10002	Platform Bar	1983-06-01	110.00
967287	10002	Platform Bar	1984-06-01	110.00
967318	10002	Platform Bar	1984-06-01	110.00
967868	10002	Platform Bar	1984-06-01	110.00
967886	10002	Platform Bar	1984-06-01	115.00
971463	10002	Platform Bar	1984-06-01	120.00
1692185	10002	Platform Bar	1984-06-01	120.00
972969	10002	Platform Bar	1984-12-01	115.00
972984	10002	Platform Bar	1984-12-01	110.00
973244	10002	Platform Bar	1984-12-01	110.00
1709580	10002	Platform Bar	1984-12-01	120.00
971882	10002	Platform Bar	1985-05-29	125.00
972054	10002	Platform Bar	1985-05-29	125.00
973773	10002	Platform Bar	1985-05-29	110.00
973774	10002	Platform Bar	1985-05-29	110.00
974589	10002	Platform Bar	1985-05-29	125.00
974900	10002	Platform Bar	1985-05-29	110.00
974903	10002	Platform Bar	1985-05-29	125.00
975121	10002	Platform Bar	1985-05-29	110.00
975195	10002	Platform Bar	1985-05-29	110.00
975341	10002	Platform Bar	1985-05-29	110.00
975512	10002	Platform Bar	1985-05-29	110.00
976021	10002	Platform Bar	1985-05-29	110.00
976165	10002	Platform Bar	1985-05-29	110.00
976230	10002	Platform Bar	1985-05-29	120.00
976380	10002	Platform Bar	1985-05-29	110.00
976520	10002	Platform Bar	1985-05-29	120.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
976523	10002	Platform Bar	1985-05-29	110.00
976918	10002	Platform Bar	1985-05-29	110.00
976942	10002	Platform Bar	1985-05-29	110.00
976943	10002	Platform Bar	1985-05-29	110.00
977102	10002	Platform Bar	1985-05-29	110.00
977421	10002	Platform Bar	1985-05-29	120.00
977620	10002	Platform Bar	1985-05-29	130.00
977623	10002	Platform Bar	1985-05-29	125.00
977945	10002	Platform Bar	1985-05-29	120.00
977946	10002	Platform Bar	1985-05-29	110.00
978118	10002	Platform Bar	1985-05-29	110.00
978424	10002	Platform Bar	1985-05-29	130.00
978425	10002	Platform Bar	1985-05-29	110.00
978426	10002	Platform Bar	1985-05-29	110.00
980069	10002	Platform Bar	1985-05-29	110.00
980748	10002	Platform Bar	1985-05-29	115.00
980947	10002	Platform Bar	1985-05-29	130.00
980948	10002	Platform Bar	1985-05-29	120.00
981289	10002	Platform Bar	1985-05-29	120.00
981398	10002	Platform Bar	1985-05-29	115.00
981399	10002	Platform Bar	1985-05-29	110.00
981489	10002	Platform Bar	1985-05-29	125.00
983235	10002	Platform Bar	1985-05-29	110.00
985428	10002	Platform Bar	1985-05-29	115.00
986544	10002	Platform Bar	1985-05-29	120.00
986658	10002	Platform Bar	1985-05-29	115.00
1706420	10002	Platform Bar	1985-05-29	110.00
1706677	10002	Platform Bar	1985-05-29	115.00
1709679	10002	Platform Bar	1985-05-29	110.00
1709680	10002	Platform Bar	1985-05-29	120.00
1725407	10002	Platform Bar	1985-05-29	115.00
985421	10002	Platform Bar	1987-09-09	120.00
986649	10002	Platform Bar	1987-09-09	120.00
986650	10002	Platform Bar	1987-09-09	110.00
987448	10002	Platform Bar	1987-09-09	110.00
1698496	10002	Platform Bar	1987-09-09	120.00
967375	10002	Platform Bar	1988-06-07	120.00
987521	10002	Platform Bar	1988-06-07	110.00
987654	10002	Platform Bar	1988-06-07	110.00
987873	10002	Platform Bar	1988-06-07	110.00
968524	10002	Platform Bar	1988-09-29	110.00
985958	10002	Platform Bar	1989-09-06	130.00
990051	10002	Platform Bar	1990-06-14	110.00
1443031	10002	Platform Bar East	1991-06-19	110.00
1479058	10002	Platform Bar East	1991-06-19	110.00
1453649	10002	Porters Bar	1992-09-03	110.00

Programs containing flagged data:

4014 - Loxahatchee River Oyster Mapping and Recruitment
4044 - NRDA Oyster Cultch Recovery Project
5007 - RESTORE Oyster Cultch Recovery

5070 - Prehistoric baseline reveals substantial decline of oyster reef condition in a Gulf of Mexico conservation priority area - modern oyster data

5074 - Assessment of Oysters and Barnacles Along the Chassahowitzka, Homosassa, and Lower Withlacoochee River Systems

10002 - Apalachicola Bay Oyster Size Class Monitoring

Reef Height

Table 14: Flagged Values - High Indicator Quantile: **15685.4**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1406983	5075	SGI02	2019-12-16	16300
1412815	5075	SGI02	2019-12-16	15700
987264	5075	SGI03	2019-12-16	16100

Programs containing flagged data:

5075 - Apalachicola Bay Intertidal Oyster Sampling

Density

Table 15: Flagged Values - High Indicator Quantile: **7387.008**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1629974	4000	PF323	2015-12-16	9136
1677977	4000	PF323	2015-12-16	8208
1293414	4000	PF4	2018-09-09	7440
1725752	4000	PF415	2016-01-13	8448
1624232	4000	PFD	2015-08-06	11104
1628654	4000	PFD	2015-08-06	7552

Programs containing flagged data:

4000 - Guana Tolomato Matanzas NERR Oyster monitoring

Number of Oysters Counted - Total/0.25m2

Table 16: Flagged Values - High Indicator Quantile: **584.288**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1636282	4014	10	2003-09-22	896
1059657	4014	13	2003-10-21	1028
1089050	5073	FLAO61-A1006-TJ916Q	2010-10-06	596

Programs containing flagged data:

4014 - Loxahatchee River Oyster Mapping and Recruitment
5073 - Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling

Shell Height/1m2

Table 17: Flagged Values - High Indicator Quantile: **118.303**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1726324	5073	FLAN60-E0804-T3410007-01Q	2014-08-04	133

Programs containing flagged data:

5073 - Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling

Number of Oysters Counted - Dead/1m2

Table 18: Flagged Values - High Indicator Quantile: **171.616**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
990244	5073	FLAN61-A1006-TJ912Q	2010-10-06	178

Programs containing flagged data:

5073 - Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling

Number of Oysters Counted - Live/1m2

Table 19: Flagged Values - High Indicator Quantile: **267.6**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1723315	5073	FLAN61-D0827-T1550005-04Q	2013-08-27	290

Programs containing flagged data:

5073 - Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling

Shell Height/NAm2

Table 20: Flagged Values - High Indicator Quantile: **151.23306**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1237212	5072	8CI1	2012-06-22	154.08
1237543	5072	8CI1	2013-06-05	156.81
1264541	5072	8CI1	2013-06-11	169.00
1264693	5072	8CI1	2013-06-12	161.95
1264623	5072	8CI1	2013-06-17	151.87
1307424	5072	8CI41	2011-06-15	155.00
1359397	5072	8CI41	2011-06-17	151.26
1361350	5072	8CI41	2011-06-17	169.18

Programs containing flagged data:

5072 - Prehistoric baseline reveals substantial decline of oyster reef condition in a Gulf of Mexico conservation priority area - archaeological oyster data

Shell Height/0.1m2

Table 21: Flagged Values - High Indicator Quantile: **79.941**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1480733	5063	285	2016-11-15	80
1478068	5063	286	2016-11-15	84

Programs containing flagged data:

5063 - Distribution and Condition of Intertidal Eastern Oyster (Crassostrea virginica) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery

Number of Oysters Counted - Live/0.1m2

Table 22: Flagged Values - High Indicator Quantile: **263**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
975749	5063	368	2016-11-17	267

Programs containing flagged data:

5063 - Distribution and Condition of Intertidal Eastern Oyster (Crassostrea virginica) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery

Number of Oysters Counted - Dead/0.1m2

Table 23: Flagged Values - High Indicator Quantile: **67.76**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1385288	5063	385	2016-11-17	70

Programs containing flagged data:

5063 - Distribution and Condition of Intertidal Eastern Oyster (Crassostrea virginica) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery

Number of Oysters Counted - Total/1m2

Table 24: Flagged Values - High Indicator Quantile: **305.164**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1089569	5073	FLAN61-D0827-T1550005-04Q	2013-08-27	310

Programs containing flagged data:

5073 - Deepwater Horizon NRDA Oyster Technical Working Group Oyster Quadrat Abundance Sampling

Number of Oysters Counted - Total/0.1m2

Table 25: Flagged Values - High Indicator Quantile: **288.2**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1062590	5063	368	2016-11-17	289

Programs containing flagged data:

5063 - Distribution and Condition of Intertidal Eastern Oyster (Crassostrea virginica) Reefs in Apalachicola Bay Florida Based on High-Resolution Satellite Imagery

Number of Oysters Counted - Live/NAm2

Table 26: Flagged Values - High Indicator Quantile: **101.124**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
992923	4012	TB_Reference	2023-03-15	102

Programs containing flagged data:

4012 - SCCF Oyster Restoration Monitoring

Number of Oysters Counted - Dead/NAm2

Table 27: Flagged Values - High Indicator Quantile: **27.85**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
992962	4012	TB_Reference	2021-03-11	28

Programs containing flagged data:

4012 - SCCF Oyster Restoration Monitoring

Number of Oysters Counted - Total/NAm2

Table 28: Flagged Values - High Indicator Quantile: **104.5**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1005610	4012	TB_Reference	2023-03-15	105

Programs containing flagged data:

4012 - SCCF Oyster Restoration Monitoring