

# Board of County Commissioners

1769 E. Moody Blvd Bldg 2  
Bunnell, FL 32110



[www.flaglercounty.org](http://www.flaglercounty.org)

Phone: (386)313-4001

Fax: (386)313-4101

October 1, 2019

Dear Parcel Owner:

Flagler County and the U.S. Army Corps of Engineers (USACE) are preparing to construct beach sand replenishment along the segment of the Flagler County Coastal Storm Risk Management Project in the May 2020 to November 2020 timeframe. This sand placement will be the initial construction of the federal shore protection project that will slightly widen and subsequently maintain the existing beach and dune conditions along this approximate 2.8 mile long shoreline between South 6<sup>th</sup> Street and South 28<sup>th</sup> Street in Flagler Beach. Construction of the project requires the establishment of an Erosion Control Line (ECL) along the length of the project. Attached to this letter is an official notification to you regarding a October 22, 2019 Public Workshop and Public Hearing regarding the proposed ECL.

State Law (Chapter 161.141, Florida Statutes) requires the establishment of an Erosion Control Line (ECL) prior to construction of a beach nourishment project that will place sand on submerged state lands (that is, seaward of the Mean High Water Line (MHWL)) – such as in the upcoming Coastal Storm Risk Management project. The ECL is recognized in Florida as the fixed boundary between upland property and submerged state owned lands. The area landward of the ECL remains the property of the upland owner, irrespective of future beach erosion or accretion. Sand that is placed or accretes seaward of the ECL (where state owned submerged land existed before the project) is considered state owned lands. The location of the ECL is established at or about the Mean High Water Line prior to the project's initial construction; in this instance, as surveyed in July 2019. In short, the ECL establishes (fixes) the boundary between upland ownership and state submerged lands, at the pre-project mean high water line, which otherwise varies (widens or narrows) from day to day, and year to year, along the shoreline.

The enclosed drawings illustrate the overall location of the proposed new ECL along the Coastal Storm Risk Management project shoreline. The proposed ECL is legally described in the attached "Notice of Public Workshop & Hearing". The attached "Erosion Control Line and Mean High Water Fact Sheet" further describes the ECL.

**You are invited to attend the Public Workshop and Public Hearing on October 22, 2019, which will begin at 6:00 pm and end at 7:30 pm, at the Government Services Complex, 1769 E. Moody Boulevard, Building 2, Board Chambers, Bunnell, FL 32110, Flagler County, regarding the adoption of the ECL, per the attached Agenda. The workshop (commencing at 6:00 pm) will be immediately followed by the Public Hearing. Staff from the Florida Dept. of Environmental**

Charles Ericksen, Jr.  
District 1

Greg Hansen  
District 2

David Sullivan  
District 3

Joe Mullins  
District 4

Donald O'Brien Jr.  
District 5

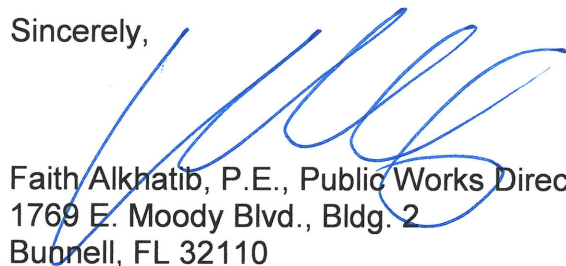
Protection, Flagler County, and the U.S. Army Corps of Engineers, will be present to explain the ECL, address your questions, and take public comments. Maps of the ECL location along the entire Mid Reach shoreline will be available at the workshop and Public Hearing.

This letter and Notice is being sent to all oceanfront property owners along, and within 1000 feet north, south and west, of the proposed segment of the ECL. Because of the number of people receiving notice, the workshop/hearing is being held at the Government Services Building in Bunnell.

If you have any questions regarding the ECL, please contact:  
Florida Department of Environmental Protection  
Division of Water Resource Management  
c/o: William "Guy" Weeks  
Planning Manager  
Beaches, Inlets and Ports Program  
2600 Blair Stone Road, Mail Station 3544  
Tallahassee, Florida 32399-2400  
[William.Weeks@FloridaDEP.gov](mailto:William.Weeks@FloridaDEP.gov)  
(850) 245-7696

If you have questions regarding Flagler County's Coastal Storm Risk Management project, please contact Richard Gordon, P.E., the County's Assistant Engineer assigned to the project at (386) 313-4006 or via email at [rgordon@flaglercounty.org](mailto:rgordon@flaglercounty.org).

Sincerely,



Faith Alkhatib, P.E., Public Works Director and County Engineer  
1769 E. Moody Blvd., Bldg. 2  
Bunnell, FL 32110

Attachments:

Maps depicting location of proposed ECL between S. 6<sup>th</sup> Street and S. 28<sup>th</sup> Street, Flagler Beach  
Notice of Public Workshop & Hearing  
Erosion Control Line and Mean High Water fact sheet  
Public Workshop & Hearing agenda

# MEAN HIGH WATER LINE SURVEY FOR FLAGLER R-79 TO R-94

LENGTH: 2.8 MILE +/-

## SECTION 7, TOWNSHIP 12 SOUTH, RANGE 31 EAST ALONG WITH SECTIONS 7, 18 & 19, TOWNSHIP 12 SOUTH, RANGE 32 EAST

### LEGAL DESCRIPTION OF MEAN HIGH WATER LINE AND PROPOSED EROSION CONTROL LINE

COMMENCING AT A FLORIDA DEPARTMENT OF TRANSPORTATION DISK IN CONCRETE DESIGNATED "73 07 A08-2 F027" HAVING COORDINATES OF NORTHING 1871193.86 FEET AND EASTING 615697.45 FEET AS REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, 1990 ADJUSTMENT, PROCEED ALONG A BEARING OF SOUTH 28°45'40" EAST, A DISTANCE OF 1322.49 FEET TO THE MEAN HIGH WATER LINE OF THE ATLANTIC OCEAN, HAVING AN ELEVATION OF 1.41 FEET AS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, SAID POINT BEING THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED MEAN HIGH WATER LINE, AND HAVING COORDINATES OF NORTH 1870034.52 FEET AND EASTING OF 616333.78 FEET; THENCE SOUTH 20°13'01" EAST, A DISTANCE OF 26.91 FEET; THENCE SOUTH 17°53'14" EAST, A DISTANCE OF 216.71 FEET; THENCE SOUTH 18°13'55" EAST, A DISTANCE OF 226.45 FEET; THENCE SOUTH 21°33'11" EAST, A DISTANCE OF 209.10 FEET; THENCE SOUTH 22°59'20" EAST, A DISTANCE OF 208.68 FEET; THENCE SOUTH 20°51'56" EAST, A DISTANCE OF 228.80 FEET; THENCE SOUTH 19°35'05" EAST, A DISTANCE OF 197.36 FEET; THENCE SOUTH 21°47'29" EAST, A DISTANCE OF 220.09 FEET; THENCE SOUTH 23°15'15" EAST, A DISTANCE OF 216.09 FEET; THENCE SOUTH 21°13'03" EAST, A DISTANCE OF 202.95 FEET; THENCE SOUTH 21°35'02" EAST, A DISTANCE OF 201.62 FEET; THENCE SOUTH 21°54'26" EAST, A DISTANCE OF 200.69 FEET; THENCE SOUTH 23°13'10" EAST, A DISTANCE OF 200.43 FEET; THENCE SOUTH 21°30'12" EAST, A DISTANCE OF 203.85 FEET; THENCE SOUTH 22°34'44" EAST, A DISTANCE OF 202.73 FEET; THENCE SOUTH 21°16'36" EAST, A DISTANCE OF 202.07 FEET; THENCE SOUTH 21°24'31" EAST, A DISTANCE OF 196.87 FEET, SAID POINT BEING A DISTANCE OF 143.55 FEET FROM A NATIONAL GEODETIC STAINLESS STEEL ROD WITH NO CASING STAMPED "E405 1991", ALONG A BEARING OF NORTH 43°24'49" EAST; THENCE SOUTH 21°24'49" EAST, A DISTANCE OF 202.37 FEET; THENCE SOUTH 22°36'50" EAST, A DISTANCE OF 201.02 FEET; THENCE SOUTH 23°12'53" EAST, A DISTANCE OF 206.29 FEET; THENCE SOUTH 21°53'13" EAST, A DISTANCE OF 203.34 FEET; THENCE SOUTH 22°59'39" EAST, A DISTANCE OF 206.01 FEET; THENCE SOUTH 22°41'44" EAST, A DISTANCE OF 206.91 FEET; THENCE SOUTH 24°18'41" EAST, A DISTANCE OF 198.41 FEET; THENCE SOUTH 23°27'16" EAST, A DISTANCE OF 198.68 FEET; THENCE SOUTH 21°45'17" EAST, A DISTANCE OF 204.24 FEET; THENCE SOUTH 23°38'56" EAST, A DISTANCE OF 202.01 FEET; THENCE SOUTH 23°41'55" EAST, A DISTANCE OF 201.63 FEET; THENCE SOUTH 23°01'28" EAST, A DISTANCE OF 214.90 FEET; THENCE SOUTH 22°09'36" EAST, A DISTANCE OF 201.27 FEET; THENCE SOUTH 24°25'13" EAST, A DISTANCE OF 200.88 FEET, SAID POINT BEING A DISTANCE OF 176.58 FEET FROM A FLORIDA DEPARTMENT OF TRANSPORTATION DISK IN CONCRETE STAMPED "73 77 A06 RM NO 2" ALONG A BEARING OF NORTH 52°27'54" EAST; THENCE SOUTH 20°54'44" EAST, A DISTANCE OF 203.51 FEET; THENCE SOUTH 21°38'16" EAST, A DISTANCE OF 209.67 FEET; THENCE SOUTH 20°20'55" EAST, A DISTANCE OF 200.79 FEET, SAID POINT BEING 187.62 FEET FROM A DISK IN CONCRETE DESIGNATED "R087 74 F387" ON A BEARING OF SOUTH 75°38'39" EAST; THENCE SOUTH 22°20'36" EAST, A DISTANCE OF 200.00 FEET; THENCE SOUTH 22°21'33" EAST, A DISTANCE OF 202.55 FEET; THENCE SOUTH 23°35'32" EAST, A DISTANCE OF 201.65 FEET; THENCE SOUTH 22°57'54" EAST, A DISTANCE OF 200.09 FEET; THENCE SOUTH 21°14'54" EAST, A DISTANCE OF 197.76 FEET; THENCE SOUTH 22°28'36" EAST, A DISTANCE OF 214.90 FEET; THENCE SOUTH 21°54'01" EAST, A DISTANCE OF 203.19 FEET; THENCE SOUTH 26°32'29" EAST, A DISTANCE OF 201.67 FEET; THENCE SOUTH 19°59'42" EAST, A DISTANCE OF 198.35 FEET; THENCE SOUTH 17°36'28" EAST, A DISTANCE OF 201.98 FEET; THENCE SOUTH 20°24'56" EAST, A DISTANCE OF 200.86 FEET; THENCE SOUTH 22°13'23" EAST, A DISTANCE OF 207.98 FEET, SAID POINT BEING 196.15 FEET FROM A DEPARTMENT OF NATURAL RESOURCES DISK IN CONCRETE DESIGNATED "R-90 FL 2000 F390" ON A BEARING OF NORTH 42°05'54" EAST; THENCE SOUTH 22°01'01" EAST, A DISTANCE OF 199.04 FEET; THENCE SOUTH 22°00'08" EAST, A DISTANCE OF 201.81 FEET; THENCE SOUTH 21°45'51" EAST, A DISTANCE OF 208.83 FEET; THENCE SOUTH 22°00'22" EAST, A DISTANCE OF 204.51 FEET; THENCE SOUTH 22°14'49" EAST, A DISTANCE OF 204.97 FEET; THENCE SOUTH 21°03'18" EAST, A DISTANCE OF 201.92 FEET; THENCE SOUTH 20°19'36" EAST, A DISTANCE OF 206.00 FEET; THENCE SOUTH 22°31'18" EAST, A DISTANCE OF 198.38 FEET; THENCE SOUTH 23°21'08" EAST, A DISTANCE OF 199.66 FEET; THENCE SOUTH 24°29'08" EAST, A DISTANCE OF 199.85 FEET; THENCE SOUTH 19°39'05" EAST, A DISTANCE OF 202.46 FEET; THENCE SOUTH 18°24'10" EAST, A DISTANCE OF 205.48 FEET; THENCE SOUTH 19°09'24" EAST, A DISTANCE OF 208.28 FEET; THENCE SOUTH 18°46'26" EAST, A DISTANCE OF 203.49 FEET; THENCE SOUTH 22°15'18" EAST, A DISTANCE OF 199.88 FEET; THENCE SOUTH 22°51'58" EAST, A DISTANCE OF 201.98 FEET; THENCE SOUTH 22°42'52" EAST, A DISTANCE OF 199.83 FEET; THENCE SOUTH 20°06'53" EAST, A DISTANCE OF 204.30 FEET; THENCE SOUTH 22°40'47" EAST, A DISTANCE OF 196.40 FEET; THENCE SOUTH 22°19'36" EAST, A DISTANCE OF 202.92 FEET, SAID POINT BEING 121.95 FEET FROM A FLORIDA DEPARTMENT OF TRANSPORTATION DISK IN CONCRETE STAMPED "77 73 A04" ON A BEARING OF NORTH 79°11'55" EAST AND THE POINT OF TERMINATION OF THE AFOREMENTIONED MEAN HIGH WATER LINE, SAID POINT HAVING COORDINATES OF NORTH 1857642.26 FEET AND EASTING OF 621295.17 FEET. MEAN HIGH WATER LINE AS DESCRIBED HAVING A TOTAL LENGTH OF 13,354 FEET MORE OR LESS.

### MEAN HIGH WATER LINE LOCATION TABLE

ID	EASTING	NORTHING	ELEV.
2088	1870967.75	615932.48	1.41
2089	1870776.11	616045.54	1.41
2090	1870582.40	616128.84	1.41
2091	1870397.43	616206.87	1.41
2092	1870202.58	616271.89	1.41
2093	1870009.27	616343.08	1.41
2094	1869803.04	616409.64	1.41
2095	1869587.95	616480.49	1.41
2096	1869393.48	616557.30	1.41
2097	1869201.37	616638.80	1.41
2098	1868987.57	616720.30	1.41
2099	1868801.63	616786.45	1.41
2100	1868597.27	616868.16	1.41
2101	1868398.73	616953.47	1.41
2106	1868209.54	617026.92	1.41
2107	1868022.06	617101.09	1.41
2108	1867835.87	617175.96	1.41
2109	1867651.67	617254.98	1.41
2110	1867462.01	617329.71	1.41
2111	1867274.82	617407.54	1.41
2112	1867086.53	617480.87	1.41
2113	1866903.25	617552.73	1.41
2114	1866714.85	617626.61	1.41
2115	1866529.28	617703.91	1.41
2116	1866339.70	617785.22	1.41
2117	1866151.01	617861.02	1.41
2118	1865961.37	617941.50	1.41
2119	1865770.47	618021.33	1.41
2120	1865589.66	618103.02	1.41
2121	1865407.40	618182.09	1.41
2122	1865217.71	618257.79	1.41
2123	1865032.66	618338.83	1.41
2124	1864848.03	618419.87	1.41

ID	EASTING	NORTHING	ELEV.
2125	1864650.25	618503.92	1.41
2126	1864463.84	618579.84	1.41
2127	1864280.94	618662.89	1.41
2128	1864090.83	618735.53	1.41
2129	1863895.93	618812.84	1.41
2130	1863707.67	618882.66	1.41
2131	1863522.68	618958.70	1.41
2132	1863335.36	619035.75	1.41
2133	1863150.57	619116.45	1.41
2134	1862966.34	619194.52	1.41
2135	1862782.02	619266.19	1.41
2136	1862583.44	619348.35	1.41
2137	1862394.91	619424.14	1.41
2138	1862214.49	619514.26	1.41
2139	1862028.10	619582.08	1.41
2140	1861835.58	619643.18	1.41
2141	1861647.33	619713.25	1.41
2142	1861454.80	619791.91	1.41
2143	1861270.28	619866.52	1.41
2144	1861083.17	619942.13	1.41
2145	1860889.22	620019.56	1.41
2146	1860699.61	620096.19	1.41
2147	1860509.90	620173.79	1.41
2148	1860321.46	620246.33	1.41
2149	1860128.29	620317.89	1.41
2150	1859945.05	620393.88	1.41
2151	1859761.74	620473.02	1.41
2152	1859579.87	620555.85	1.41
2153	1859389.20	620623.93	1.41
2154	1859194.23	620688.80	1.41
2155	1858997.48	620757.15	1.41
2156	1858804.82	620822.64	1.41
2157	1858619.83	620898.34	1.41
2158	1858433.72	620976.83	1.41
2159	1858249.39	621053.99	1.41
2160	1858057.55	621124.25	1.41
2161	1857876.34	621199.97	1.41
2162	1857688.63	621277.06	1.41
2163	1857489.78	621354.71	1.41
2164	1857297.05	621421.18	1.41

### APPROVALS

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

KNOW ALL PERSONS BY THESE PRESENTS: THAT THE CHIEF OF THE BUREAU OF SURVEY AND MAPPING OF THE DIVISION OF LANDS, DEPARTMENT OF ENVIRONMENTAL PROTECTION OF THE STATE OF FLORIDA HEREBY APPROVES THIS PLAT.

DATED AT \_\_\_\_\_ THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2019.

W. LAMAR EVERS, CHIEF  
BUREAU OF SURVEY AND MAPPING

### CERTIFICATE OF ACCEPTANCE AND RECORDING OF COUNTY CLERK

ACCEPTED FOR FILES AND RECORDING IN THE PUBLIC RECORDS OF FLAGLER COUNTY, FLORIDA, THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2019, IN PLAT BOOK \_\_\_\_\_, PAGES \_\_\_\_\_, PURSUANT TO THE PROVISIONS OF CHAPTER 161.181 FLORIDA STATUTES.

CLERK OF THE COURT

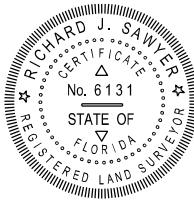
### NOTES:

- THE BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE SYSTEM, EAST ZONE (0901), RELATIVE TO THE NAD83/90 ADJUSTMENT, US SURVEY FOOT.
- THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88) AND ARE BASED ON FOUND DEP CONTROL MONUMENTATION. FOUND DEP CONTROL MONUMENTATION DEPICTED IN CONTROL TABULATION.
- THE MEAN HIGH WATER LINE WAS FIELD SURVEYED ON 11 JULY, 2019. THE MEAN HIGH WATER LINE AND THE EROSION CONTROL LINE ARE ONE AND THE SAME.
- THE HORIZONTAL AND VERTICAL LOCATION OF THE MEAN HIGH WATER LINE SHOWN HEREON WAS DETERMINED UTILIZING REAL TIME KINEMATIC (RTK) SURVEYING PROCEDURES. BASE STATION CORRECTIONS WERE GENERATED FROM FOUND DEP SECOND ORDER CONTROL "A" MONUMENTATION AND VERIFIED TO SAME.
- THE MEAN HIGH WATER LINE ELEVATION IS 1.41 FEET (NAV88) PER MEAN HIGH WATER SURVEY PROCEDURAL APPROVAL DATED JUNE 19, 2019.
- THE MEAN HIGH WATER LINE SURVEY DEPICTED HEREON COMPLIES WITH CHAPTER 177, PART II, FLORIDA STATUTES AND IS RECORDED IN THE PUBLIC REPOSITORY OF THE FLORIDA DEP BUREAU OF SURVEY AND MAPPING AS MEAN HIGH WATER FILE NO. \_\_\_\_\_.
- PARCEL IDENTIFICATION WAS OBTAINED FROM THE FLAGLER COUNTY PROPERTY APPRAISER INTERACTIVE WEB SITE. PARCEL, SECTION, TOWNSHIP AND RANGE LINES ARE SCALE ACCURATE (NOT FIELD LOCATED).
- NO TITLE SEARCH, TITLE OPINION, OR ABSTRACT WAS PERFORMED NOR PROVIDED TO THIS FIRM FOR THE PARCELS SHOWN HEREON. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, RIGHTS-OF-WAY, BUILDING SETBACKS, RESTRICTIVE COVENANTS, OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES OF USE OF THE SUBJECT PROPERTY.
- THE AERIAL PHOTOGRAPHY SHOWN HEREON WAS OBTAINED FROM LABINS AND DATED MAY 2017.
- BEACH DESIGN ELEMENTS PROVIDED BY THE US ARMY CORPS OF ENGINEERS.

### CERTIFICATION:

I HEREBY CERTIFY THAT THE ATTACHED MEAN HIGH WATER SURVEY AND EROSION CONTROL LINE IS AN ACCURATE REPRESENTATION OF SAID LINE AS RECENTLY SURVEYED UNDER MY PERSONAL DIRECTION ON 11 JULY, 2019 AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND MEETS THE STANDARDS OF PRACTICE SET FORTH IN CHAPTER 5J-17 ADOPTED BY THE FLORIDA BOARD OF LAND SURVEYORS PURSUANT TO SECTION 472-027 OF THE FLORIDA STATUTES AND THE MEAN HIGH WATER SURVEY DEPICTED HEREON COMPLIES WITH CHAPTER 177, PART II OF THE FLORIDA STATUTES, AND IS RECORDED IN THE PUBLIC REPOSITORY OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION MEAN HIGH WATER SURVEY FILE NUMBER \_\_\_\_\_

Richard J. Sawyer  
Professional Surveyor and Mapper No. 6131  
NOT VALID WITHOUT THE SIGNATURE, DATE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER



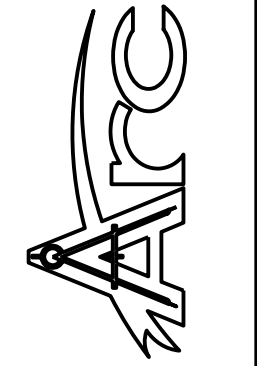
LOCATION SKETCH  
& KEY MAP  
(RANGE 31 EAST, SCALE: 1" = 800')

DATE	BY	REVISION

Project Title:  
Mean High Water Line Survey  
for Flagler County R-79 to R-94

Prepared For:  
olsen associates, Inc.  
2618 Herschel St.  
Jacksonville, Florida 32204

Arc Surveying & Mapping, Inc.  
Professional Hydrographers o Surveyors o Mappers  
5202 San Juan Avenue  
Jacksonville, Florida 32210  
904.384.8377



LB No. 6487  
Drawn By: M. SAWYER  
Scale: SEE SHEET  
Plot Date: 09/12/19  
Checked By: R. SAWYER  
Fid Bk / Pg: NA  
ARC Project No.: 19-02-09  
SHEET: 1 OF 6



LEGEND

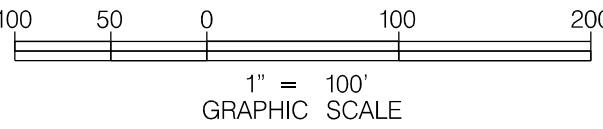
- △ MHWL RTK LOCATION POINT
- △ SURVEY CONTROL MONUMENT
- BEACH PROFILE ORIGIN POINT
- (120) PARCEL ID NUMBER

PROFILE ORIGIN POINTS			
PROFILE NAME	NORTHING	EASTING	ELEVATION (NAVD88)
R078	1,871,576.7	615,517.3	16.86
R079	1,870,704.7	615,920.0	18.25
R080	1,869,801.7	616,198.3	17.73
R081	1,868,930.3	616,574.0	17.52

SURVEY CONTROL			
POINT NAME	NORTHING	EASTING	ELEVATION (NAVD88)
73 07 A08-2 F027	1,871,193.86	615,697.45	17.16
R-75 FL 72 F375	1,874,243.39	614,361.49	21.04

Map ID	County Parcel ID	Parcel Owner	Address	City	State	Zip Code
118	12-12-31-4500-00710-0290	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
119	12-12-31-4500-00710-0270	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
120	12-12-31-4500-00720-0310	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
121	12-12-31-4500-00720-0320	VRE FLAGLER BEACH LLC	1211 S WHITE CHAPEL BLVD	SOUTHLAKE	TX	76092
122	12-12-31-4500-00720-0300	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
123	12-12-31-4500-00730-0340	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
124	12-12-31-4500-00730-0330	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
125	12-12-31-4500-00740-0360	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
126	12-12-31-4500-00740-0370	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
127	12-12-31-4500-00740-0350	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
128	12-12-31-4500-00750-0390	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
129	12-12-31-4500-00750-0380	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
130	12-12-31-4500-00760-0410	FLAGLER HOLDINGS I LLC	1481 LAMBERT AVE	FLAGLER BEACH	FL	32136
131	12-12-31-4500-00760-0420	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
132	12-12-31-4500-00760-0400	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
133	12-12-31-4500-00770-0440	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
134	12-12-31-4500-00770-0430	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
135	12-12-31-4500-00780-0460	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
136	12-12-31-4500-00780-0450	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
137	12-12-31-4500-00790-0480	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136

NOTE:  
1. SEE SHEET 1 FOR SURVEY NOTES.

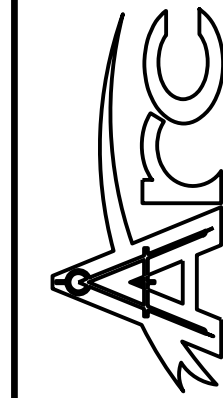


DATE	BY	REVISION

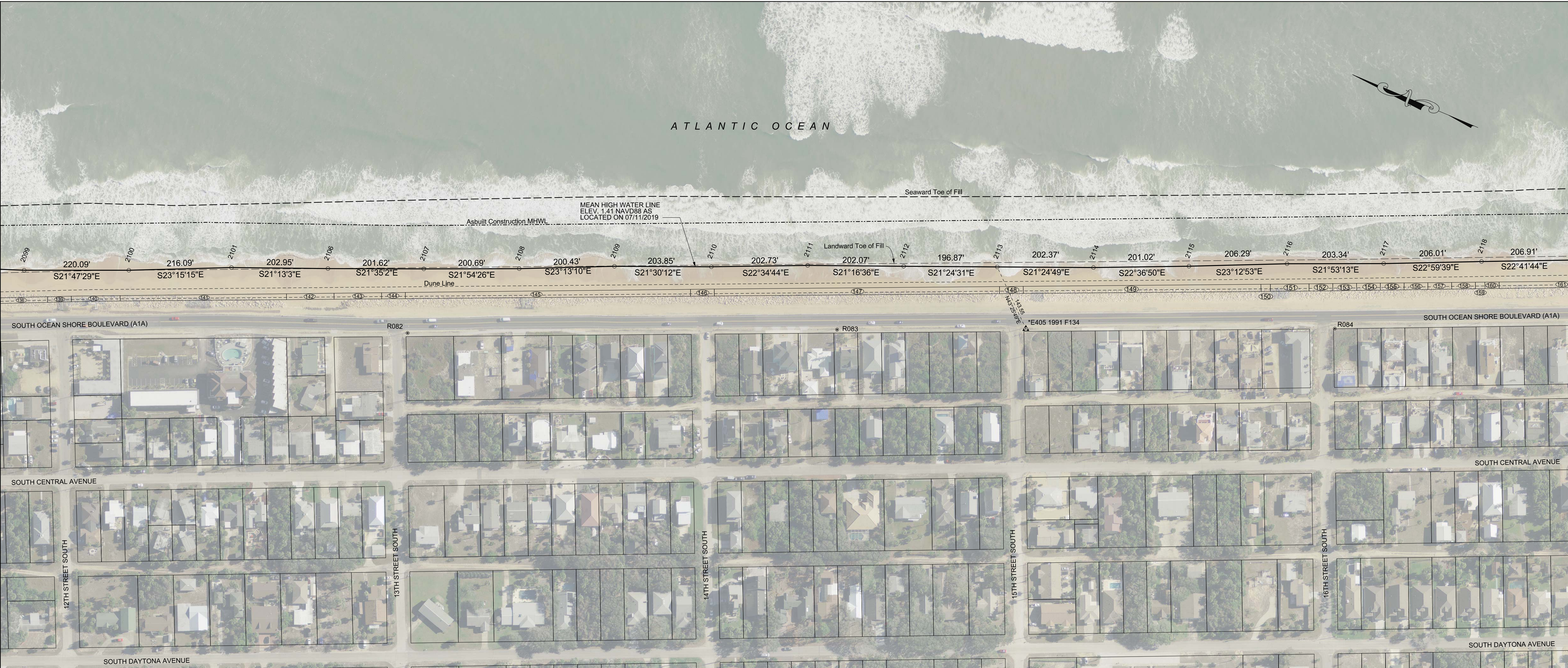
Project Title:  
Mean High Water Line Survey  
for Flagler County R-79 to R-94

Prepared For:  
**olsen associates, Inc.**  
2618 Herschel St.  
Jacksonville, Florida 32204

**Arc Surveying & Mapping, Inc.**  
Professional Hydrographers • Surveyors • Mappers  
5202 San Juan Avenue  
Jacksonville, Florida 32210  
904.384.8377



LB No. 6487  
Drawn By: M. SAWYER  
Scale: SEE SHEET  
Plot Date: 09/12/19  
Checked By: R. SAWYER  
Fld Bk / Pg.: NA  
ARC Project No.:  
19-02-09  
SHEET: 2 OF 6



LEGEND

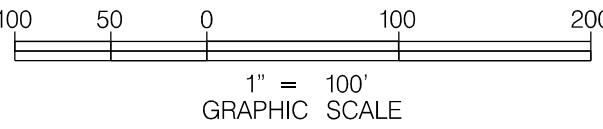
- MHWL LOCATION POINT  
▲ SURVEY CONTROL MONUMENT  
● BEACH PROFILE ORIGIN POINT  
(120) PARCEL ID NUMBER

PROFILE ORIGIN POINTS			
PROFILE NAME	NORTHING	EASTING	ELEVATION (NAVD88)
R082	1,868,003.5	616,963.2	17.64
R083	1,867,167.1	617,305.2	17.35
R084	1,866,195.7	617,695.8	16.89

SURVEY CONTROL			
POINT NAME	NORTHING	EASTING	ELEVATION (NAVD88)
E405 1991 F134	1,866,798.99	617,454.04	17.38

Map ID	County Parcel ID	Parcel Owner	Address	City	State	Zip Code
138	12-12-31-4500-00790-0490	ANNIS BETTY H	2826 MONDAUI DR	ROCKLEDGE	FL	32955
139	12-12-31-4500-00790-0470	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
140	12-12-31-4500-00800-0510	OCEANSIDE COTTAGES LLC	1204 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
141	12-12-31-4500-00190-0030	JAI HANUMAAN LLC	1224 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
142	12-12-31-4500-00800-0530	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
143	12-12-31-4500-00800-0540	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
144	12-12-31-4500-00800-0500	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
145	18-12-32-2750-00390-0020	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
146	18-12-32-2750-00390-0010	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
147	18-12-32-2750-00400-0040	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
148	18-12-32-2750-00400-0030	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
149	18-12-32-2750-00410-0060	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
150	18-12-32-2750-00410-0071	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
151	18-12-32-2750-00010-0110	OLDE TOWNE ENCHANTMENT INC	1544 S A1A	FLAGLER BEACH	FL	32136
152	18-12-32-2750-00410-0050	LARSON DIANE DOMPE	1600 SOUTH A1A	FLAGLER BEACH	FL	32136
153	18-12-32-2750-00420-0090	LARSON DIANE DOMPE	1600 SOUTH A1A	FLAGLER BEACH	FL	32136
154	18-12-32-2750-00420-0100	GOULD TIMOTHY & KATHERINE	1604 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
155	18-12-32-2750-00420-0101	DETRICK FRED G	P O BOX 964	FLAGLER BEACH	FL	32136
156	18-12-32-2750-00420-0102	SCOLA JERE ANTHONY III	4615 NW 53RD AVE	GAINESVILLE	FL	32653
157	18-12-32-2750-00420-0103	FISHER JEFFREY A & CAROL M - H&W	PO BOX 2335	FLAGLER BEACH	FL	32136
158	18-12-32-2750-00420-0105	AMIN BHAVESH R & DIVYA B H&W	224 GREGG PKWY	COLUMBIA	SC	29206
159	18-12-32-2750-00420-0107	MEYER JEFFREY D & DEBRA H&W	1620 S OCEAN SHORE BLVD	FLAGLER BEACH	FL	32136
160	18-12-32-2750-00420-0106	MEYER JEFFREY D & DEBRA H&W	1620 S OCEAN SHORE BLVD	FLAGLER BEACH	FL	32136
161	18-12-32-2750-00420-0110	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136

NOTE:  
1. SEE SHEET 1 FOR SURVEY NOTES.

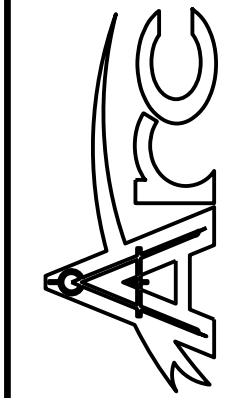


DATE	BY	REVISION

Project Title:  
Mean High Water Line Survey  
for Flagler County R-79 to R-94

Prepared For:  
**olsen associates, Inc.**  
2618 Herschel St.  
Jacksonville, Florida 32204

**Arc Surveying & Mapping, Inc.**  
Professional Hydrographers • Surveyors • Mappers  
5202 San Juan Avenue  
Jacksonville, Florida 32210  
904.384.8377



LB No. 6487  
Drawn By: M. SAWYER  
Scale: SEE SHEET  
Plot Date: 09/12/19  
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Fld Bk / Pg: NA  
ARC Project No.:  
19-02-09  
SHEET: 3 OF 6



LEGEND

MHWL LOCATION POINT

▲ SURVEY CONTROL MONUMENT

● BEACH PROFILE ORIGIN POINT

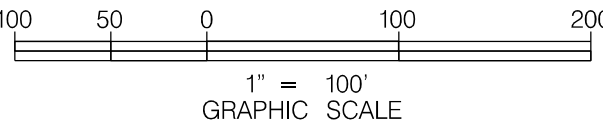
⑫ PARCEL ID NUMBER

PROFILE ORIGIN POINTS			
PROFILE NAME	NORTHING	EASTING	ELEVATION (NAVD88)
R085	1,865,522.7	617,978.0	17.28
R086	1,864,631.2	618,347.0	18.45
R087	1,863,754.3	618,700.7	19.15
R088	1,862,955.5	619,041.0	18.35

SURVEY CONTROL			
POINT NAME	NORTHING	EASTING	ELEVATION (NAVD88)
73 86 A06-2 RM4 F033	1,864,173.36	618,522.86	18.16
R087 74 F387	1,863,745.19	618,700.90	18.92

Map ID	County Parcel ID	Parcel Owner	Address	City	State	Zip Code
161	18-12-32-2750-00420-0110	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
162	18-12-32-2750-00420-0080	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
163	18-12-32-2750-00430-0130	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
164	18-12-32-2750-00430-0140	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
165	18-12-32-2750-00430-0120	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
166	18-12-32-2750-00440-0160	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
167	18-12-32-2750-00190-0040	FANN STEPHEN D	2815 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
168	18-12-32-2750-00190-0050	BARNHILL THEODORE MCCOY JR & MARJORIE V - H&W	PO BOX 390	FLAGLER BEACH	FL	32136
169	18-12-32-2750-00440-0150	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
170	18-12-32-2750-00450-0190	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
171	18-12-32-2750-00460-0200	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
172	18-12-32-2750-00460-0210	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
173	18-12-32-2750-00480-0210	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
174	18-12-32-2750-00470-0220	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136

NOTE:  
1. SEE SHEET 1 FOR SURVEY NOTES.

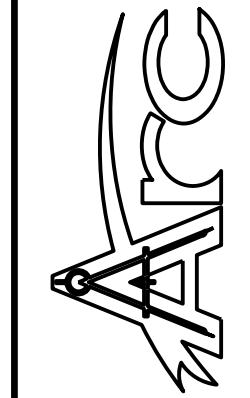


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Mean High Water Line Survey  
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LB No. 6487  
Drawn By: M. SAWYER  
Scale: SEE SHEET  
Plot Date: 09/12/19  
Checked By: R. SAWYER  
Fld Bk / Pg: NA  
ARC Project No.: 19-02-09  
SHEET: 4 OF 6



LEGEND

MHWL LOCATION POINT  
▲ SURVEY CONTROL MONUMENT  
● BEACH PROFILE ORIGIN POINT  
⑫ PARCEL ID NUMBER

PROFILE ORIGIN POINTS			
PROFILE NAME	NORTHING	EASTING	ELEVATION (NAVD88)
R089	1,862,201.5	619,322.3	17.53
R090	1,861,309.3	619,660.3	17.41
R091	1,860,446.4	620,076.1	19.29

SURVEY CONTROL			
POINT NAME	NORTHING	EASTING	ELEVATION (NAVD88)
R-90 FL 2000 F390	1,861,309.26	619,660.40	17.61

Map ID	County Parcel ID	Parcel Owner	Address	City	State	Zip Code
174	18-12-32-2750-00470-0220	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
175	18-12-32-2750-00480-0220	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
176	18-12-32-2750-00480-0240	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
284	19-12-32-4400-00010-0010	MAIOCCO CHRISTOPHER B &	10 S OCEAN SHORE	FLAGLER BEACH	FL	32136
177	19-12-32-4400-00030-0020	AMMEX INVESTMENTS INC	PO BOX 65417	ORANGE PARK	FL	32065
178	19-12-32-4400-00030-0050	DESAI RAJ & SANGITA H&W	2236 OCEACN SHORE	FLAGLER BEACH	FL	32136
179	19-12-32-4400-00030-0070	FIRST LAND NORTH LLC	PO BOX 566001	PINECREST	FL	33256
180	19-12-32-4400-00010-0060	SANTOS JOSE S & MARIUA R - H&W TRUSTEES	2240 S OCEAN SHORE BLVD S	FLAGLER BEACH	FL	32136
181	19-12-32-4400-00030-0080	YARLOVSKY VASYL N & MILKA G - TRUSTEES C/O NINA RAM	208 CLUBSIDE DRIVE	TANEYTOWN	MD	21787
182	19-12-32-4400-00030-0090	PECHIN WARREN R & ETHEL M - SCHNEIDER H&W	2252 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
183	19-12-32-4400-00030-0100	ALLEN NORMA H&W & CLIFFORD J & CHARLIE D'AMICO - H&W	14630 MIRABELLE VISTA CIRCLE	TAMPA	FL	33626
184	19-12-32-4550-00340-0030	MISBACH JUDY	130 SIERRA VISTA DR	REDLANDS	CA	92373
185	19-12-32-4550-00340-0041	SULLIVAN TAMMY JANE	PO BOX 147	FLAGLER BEACH	FL	32136
186	19-12-32-4550-00340-0050	YANKOWSKI JUDITH A & JOSEPH R	2268 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
187	19-12-32-4550-00340-0020	ELLIOTT ROBERT J & CAROLE A (TRUSTEES)	P O BOX 445	FLAGLER BEACH	FL	32136
188	19-12-32-4550-00340-0060	ELLIOTT ROBERT J & CAROLE A (TRUSTEES)	P O BOX 445	FLAGLER BEACH	FL	32136
189	19-12-32-4550-00340-0040	KENNEDY CARL JOSEPH & CAROL - JEAN KENNEDY H&W	11019 ORANGESHIRE COURT	OCOE	FL	34761
190	19-12-32-4550-00340-0070	BACSICK J PHILIP & MARGO H&W	2288 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
191	19-12-32-4550-00340-0010	PAL PARKER & SONS INC	PO BOX 218	FLAGLER BEACH	FL	32136
192	19-12-32-4550-00100-0011	LINEMAN RENEE & BRYAN LINEMAN - W&H	447 MCPHERSON ROAD	OIL CITY	PA	16301
193	19-12-32-0150-00120-0031	BEHRENS CATHERINE E BROWN	1260 BUCKLES RD	PIERSON	FL	32180
194	19-12-32-0150-00120-0040	MELTON MARIE A	2316 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
195	19-12-32-0150-00120-0030	MELTON MARIE A	2316 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
196	19-12-32-0150-00120-0142	HALL LINDA B & RICHARD D	628 YORKSHIRE DR	FLAGLER BEACH	FL	32136
197	19-12-32-0150-00120-0141	BARLAN RUDOLPH & MARGARET P	628 YORKSHIRE DR	FLAGLER BEACH	FL	32136
198	19-12-32-0150-00120-0140	WALLY JOSEF & VALENDON - WALLY & H&W TRUSTEES	908 HARDSTONE WAY	SANTA ROSA	CA	95405
199	19-12-32-0150-00120-0021	CHANDRUPATIA SREEKANTH R & VANDANA R - H&W	1700 N JIMMIE FOXX PATH	HERNANDO	FL	34442
200	19-12-32-0150-00120-0025	UHL CHARLES W & JACQUELINE K - H&W	2400 S OCEAN SHORE BLVD	FLAGLER BEACH	FL	32136
201	19-12-32-0150-00010-0120	HILLIER LORETTA	2340 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
202	19-12-32-0150-00010-0100	FOSHAY LEE C & LOIS A H&W - TRUSTEES	63 COLONIAL ROAD	WEBSTER	MA	1570
203	19-12-32-0150-00120-0027	DANGIOLINI CYNTHIA A	PO BOX 1889	FLAGLER BEACH	FL	32136
204	19-12-32-0150-00120-0029	SHEETS MARVIN A	PO BOX 1487	BUNNELL	FL	32110
205	19-12-32-0150-00120-0023	BE OUR GUEST HOMES LLC	939 W TENNESSEE TRACE	ST JOH-NS	FL	32259
206	19-12-32-0150-00120-0016	ABSENTE 5 LLC	58 ISLAND ESTATES PKWY	PALM COAST	FL	32137
207	19-12-32-0150-00120-0015	ABSENTE 5 LLC	58 ISLAND ESTATES PKWY	PALM COAST	FL	32137
208	19-12-32-0150-00120-0014	STEPNICKA WILLIAM	1010 AMETHYST DRIVE SW	VERO BEACH	FL	32968
209	19-12-32-0150-00120-0011	GRIFFIN BARRY	2448 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
210	19-12-32-0150-00120-0010	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
211	19-12-32-0150-00130-0010	WARREN MATTHEW J & DENISE J - H&W & DEANNA H WARREN JTWROS	2544 S CENTRAL AVENUE	FLAGLER BEACH	FL	32136
212	19-12-32-0150-00130-0020	SAMORISKI PAUL J	1348 SW AXTELL AVEVE	PORT ST LUCIE	FL	34953
213	19-12-32-0150-00130-0030	SAMORISKI PAUL J	1348 SW AXTELL AVE	PORT ST. LUCIE	FL	34953
214	19-12-32-0150-00120-0064	BOTWIN CHARLES W & LISA H&W	300 LANTANA LANE	WOODSTOCK	GA	30188
215	19-12-32-0150-00130-0055	MONTGOMERY ANDREW WILLIAMSON & MARY ELIZABETH LOOF	PO BOX 43	FLAGLER BEACH	FL	32136
216	19-12-32-0150-00130-0061	BODDEN CARRIE SMITH & GEOFFREY - ROBERT BODDEN TRUSTEES	6337 JACK WRIGHT ISLAND RD	ST AUGUSTINE	FL	32092
217	19-12-32-0150-00130-0062	BODDEN CARRIE SMITH & GEOFFREY - ROBERT BODDEN TRUSTEES	6337 JACK WRIGHT ISLAND RD	ST AUGUSTINE	FL	32092
218	19-12-32-0150-00130-0068	BODDEN CARRIE SMITH & GEOFFREY - ROBERT BODDEN TRUSTEES	6337 JACK WRIGHT ISLAND RD	ST AUGUSTINE	FL	32092
219	19-12-32-0150-00130-0069	BODDEN CARRIE SMITH & GEOFFREY - ROBERT BODDEN TRUSTEES	6337 JACK WRIGHT ISLAND RD	ST AUGUSTINE	FL	32092
220	19-12-32-0150-00130-0070	DANGIOLINI CYNTHIA A - LIFE ESTATE	P O BOX 1889	FLAGLER BEACH	FL	32136
221	19-12-32-0150-00130-0071	CARRANO FRANK & ISABEL H&W	3363 NE 6TH DRIVE	BOCA RATON	FL	33431

NOTE:  
1. SEE SHEET 1 FOR SURVEY NOTES.

1" = 100'  
GRAPHIC SCALE

Project Title:  
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BY

REVISION



LEGEND

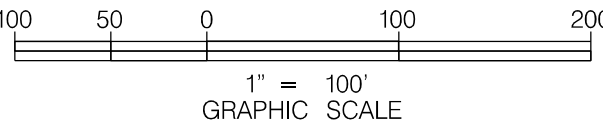
MHWL LOCATION POINT
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● BEACH PROFILE ORIGIN POINT
(20) PARCEL ID NUMBER

PROFILE ORIGIN POINTS			
PROFILE NAME	NORTHING	EASTING	ELEVATION (NAVD88)
R092	1,859,563.3	620,423.7	18.57
R093	1,858,673.2	620,769.9	19.40
R094	1,857,786.9	621,107.8	18.40
R095	1,856,860.7	621,317.9	17.85
R096	1,856,062.2	621,639.8	19.58

SURVEY CONTROL			
POINT NAME	NORTHING	EASTING	ELEVATION (NAVD88)
73 77 A04 F104	1,857,619.41	621,175.38	18.56
R-96 FI 72 F396	1,856,062.31	621,639.91	19.72

Map ID	County Parcel ID	Parcel Owner	Address	City	State	Zip Code
221	19-12-32-0150-00130-0071	CARRANO FRANK & ISABEL H&W	3363 NE 6TH DRIVE	BOCA RATON	FL	33431
222	19-12-32-0150-00130-0080	CHICKERING MARK J	3141 WATERSIDE CIR	BOYNTON BEACH	FL	33435
223	19-12-32-0150-00130-0083	PAL PARKER & SONS INC	PO BOX 218	FLAGLER BEACH	FL	32136
224	19-12-32-0150-00130-0090	CACCIATORE MICHAEL L & BRONNA - B CACCIATORA H&W	2548 S OCEAN SHORE BLVD	FLAGLER BEACH	FL	32136
225	19-12-32-0150-00130-0095	PAL PARKER & SONS INC	PO BOX 218	FLAGLER BEACH	FL	32136
226	19-12-32-0150-00130-0065	BRADLEY K.K. TRUSTEE	PO BOX 338	FLAGLER BEACH	FL	32136
227	19-12-32-0150-00130-0100	HALLER ALLAN G & DELORIS C - H&W	PO BOX 1838	FLAGLER BEACH	FL	32136
228	19-12-32-0150-00130-0102	VERDEROSA JOHN J & JAMIE L H&W	163 HILL DRIVE NE	ABINGDON	VA	24210
229	19-12-32-0150-00130-0060	HARLEY JAMES H JR & ALLISON K - H&W	5853 SW 89 TERRACE	COOPER CITY	FL	33328
230	19-12-32-0150-00130-0101	ANDERSON JAMES JOSEPH	623 CUMBERLAND DRIVE	FLAGLER BEACH	FL	32136
231	19-12-32-0150-00130-0050	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
232	19-12-32-0150-00140-0111	NORDIN NEAL R & AMORETTE J NORDIN - H&W	2820 DOWNING ST	JACKSONVILLE	FL	32205
233	19-12-32-0150-00140-0112	MACARTHUR GLENN P	7432 SUNSHINE SKYWAY LN S	ST PETERSBURG	FL	33711
234	19-12-32-0150-00140-0126	ABBOSH JULES S & THERESE N - H&W	100 BRISTOL PLACE	PONTE VEDRA BEACH	FL	32082
235	19-12-32-0150-00140-0125	SMOAK GILBERT & KIMBERLY - SMOAK H&W	2616 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
236	19-12-32-0150-00140-0123	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
237	19-12-32-0150-00030-0040	SOLETHER RALPH DOUGLAS	6544 EASTVIEW DRIVE	LAKE WORTH	FL	33462
238	19-12-32-0150-00140-0113	JENKINS JANICE M - LIFE ESTATE	2624 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
239	19-12-32-0150-00140-0114	BACHMAN JOSEPH M & BEVERLY A	2628 SOUTH AIA	FLAGLER BEACH	FL	32136
240	19-12-32-0150-00140-0115	BENINTENDE JAMES & DOROTHEA - H&W	PO BOX 1802	FLAGLER BEACH	FL	32136
241	19-12-32-0150-00140-0121	HARDMAN KEVIN R & ROBIN L H&W	639 WHEELER FORK ROAD	HORNER	WV	26372
242	19-12-32-0150-00140-0122	FUSCO NORMAJEAN	PO BOX 180	UNIONVILLE	NY	10988
243	19-12-32-0150-00140-0127	LEOPARD KEITH TROY & JULIE - KESNER LEOPARD H&W	11831 LOCHWOOD BLVD	DALLAS	TX	75218
244	19-12-32-0150-00140-0128	JETT CHARLES L & - MARY E	PO BOX 273	FLAGLER BEACH	FL	32136
245	19-12-32-0150-00140-0116	BERNARDI JOHN P	2652 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
246	19-12-32-0150-00140-0117	MCDONALD IAN & DEANNA M H&W & JANET HOLLAND	2616 CLAREMONT DRIVE	BARTLESVILLE	OK	74006
247	19-12-32-0150-00140-0118	IANNELLI ELIZABETH A & JOSEPH - IANNELLI	2660 S OCEAN SHORE BLVD	FLAGLER BEACH	FL	32136
248	19-12-32-0150-00140-0120	FRANK PETER & SIBYLLE FRANK - H&W IM BRUNNENTAL 1	97980 BAD MARGENTHEIM			
249	19-12-32-0150-00140-0130	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
250	19-12-32-0150-00140-0140	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
251	19-12-32-0150-00140-0110	CAPUY LIVIA M - TRUSTEE	625 HIGH HAMPTON DRIVE	AUGUSTA	GA	30907
252	19-12-32-0150-00150-0150	HALE JAMES A & TERESA M - H&W	13229 FT CAROLINE RD	JACKSONVILLE	FL	32225
253	19-12-32-0150-00150-0154	STEWART VINCENT E & ANGELA M - WYNN-STEWART	2704 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
254	19-12-32-0150-00150-0140	HARRINGTON BRIAN EDWIN & CHANTOL JACQUELINE AMC	2708 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
255	19-12-32-0150-00150-0153	GAINES DEBORAH A	2900 NE 14TH STREET - CSWY APT 903	POMPAN0 BEACH	FL	33062
256	19-12-32-0150-00150-0170	CORTOPASSI REVOCABLE INTER - VIVOS TRUST	2716 S OCEAN SHORE BLVD	FLAGLER BEACH	FL	32136
257	19-12-32-0150-00150-0151	SERVINSKY LAWRENCE P & ROSALIND A H&W & MICHAEL E	2728 S OCEAN SHORE BLVD	FLAGLER BEACH	FL	32136
258	19-12-32-0150-00040-0070	MCKIBBEN CHARLES L & KATHY L - H&W	2724 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
259	19-12-32-0150-00150-0180	VOGEL ELKE & LEONARD SURLS	2732 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
260	19-12-32-0150-00150-0152	MOORE ELLIS W	13030 136TH AVE NE	KIRKLAND	WA	98034
261	19-12-32-0150-00150-0160	SMITH PHILLIP P	5 WILLOW LANE	FARMINGTON	CT	60322336
262	19-12-32-0150-00150-0120	HERBOLDT MICHELE	2744 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
263	19-12-32-0150-00150-0191	CITY OF FLAGLER BEACH	PO BOX 70	FLAGLER BEACH	FL	32136
264	19-12-32-0150-00150-0200	CZERWONKA WALTER & PAUL S ALLEN	6453 CROSSWINDS DRIVE	CLOVER	SC	29710
265	19-12-32-0150-00150-0210	LAKIC MIRO & KEVIN REEVES	61 SOUTH TURN CIRCLE	PONCE INLET	FL	32127
266	19-12-32-0150-00150-0220	SZCZEBAK EDWARD & JULIA	215 STONE SCHOOL RD	SUTTON	MA	1590
267	19-12-32-0150-00180-0191	TYPE E CORPORATION INC - DBA HIGH TIDES AT SNACK JACK	2805 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
268	19-12-32-0150-00150-0190	TYPE E CORPORATION INC, THE	2805 S OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
269	19-12-32-0150-00050-0190	TYPE E CORPORATION INC THE	2805 SOUTH OCEANSHORE BLVD	FLAGLER BEACH	FL	32136
270	19-12-32-0375-00000-0040	2811 S OCEANSHORE LLC - C/O CAROL WELKER	311 E MORSE BLVD 6-4	WINTER PARK	FL	32789

NOTE:  
1. SEE SHEET 1 FOR SURVEY NOTES.

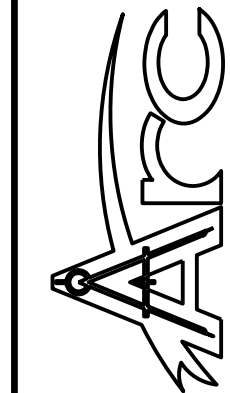


DATE	BY	REVISION

Project Title:  
Mean High Water Line Survey  
for Flagler County R-79 to R-94

Prepared For:  
**olsen associates, Inc.**  
2618 Herschel St.  
Jacksonville, Florida 32204

Arc Surveying & Mapping, Inc.  
Professional Hydrographers • Surveyors • Mappers  
5202 San Juan Avenue  
Jacksonville, Florida 32210  
904.384.8377



LB No. 6487  
Drawn By: M. SAWYER  
Scale: SEE SHEET  
Plot Date: 09/12/19  
Checked By: R. SAWYER  
Fld Bk / Pg: NA  
ARC Project No.:  
19-02-09  
SHEET: 6 OF 6

## NOTICE OF PUBLIC WORKSHOP & HEARING

Notice is hereby given that the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida is proposing the establishment of an Erosion Control Line, pursuant to Section 161.161, Florida Statutes. A designee of the Board of Trustees of the Internal Improvement Trust Fund will hold a Public Workshop and a Public Hearing immediately following the Workshop at the Government Services Complex, 1769 E. Moody Boulevard, Building 2, Board Chambers, Bunnell, FL 32110, Flagler County on Tuesday, October 22, 2019, held at 6:00 PM and ending at 7:30 PM for the purpose of considering evidence bearing on the location of a proposed Erosion Control Line for the beach erosion control project known as Flagler County, Florida Coastal Storm Risk Management Project.

This Workshop is the public's opportunity to ask questions about the proposed erosion control line. This Hearing is the public's opportunity to comment on, speak in support of, object to, and submit for consideration materials relevant to the methodology used for locating the proposed Erosion Control Line and relevant to the location of the proposed Erosion Control Line.

If approved by the Board of Trustees, the Erosion Control Line will be recorded in the County's Book of Plats and will become the boundary between private uplands and sovereign submerged lands owned by the state.

The proposed Erosion Control Line lies along FLAGLER BEACH fronting the Atlantic Ocean at the line of mean high water. The Erosion Control Line lies in Section 7, Township 12 South, Range 31 East along with Sections 7, 18 & 19, Township 12 South, Range 32 East in Flagler County, Florida. The location of the proposed Erosion Control Line, near FDEP Range Survey Monuments R-79 to R-94, is described as follows:

### Legal Description

COMMENCING AT A FLORIDA DEPARTMENT OF TRANSPORTATION DISK IN CONCRETE DESIGNATED "73 07 A08-2 F027" HAVING COORDINATES OF NORTHING 1871193.86 FEET AND EASTING 615697.45 FEET AS REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, 1990 ADJUSTMENT, PROCEED ALONG A BEARING OF SOUTH 28°45'40" EAST, A DISTANCE OF 1322.49 FEET TO THE MEAN HIGH WATER LINE OF THE ATLANTIC OCEAN, HAVING AN ELEVATION OF 1.41 FEET AS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, SAID POINT BEING THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED MEAN HIGH WATER LINE, AND HAVING COORDINATES OF NORTH 1870034.52 FEET AND EASTING OF 616333.78 FEET; THENCE SOUTH 20°13'01" EAST, A DISTANCE OF 26.91 FEET; THENCE SOUTH 17°53'14" EAST, A DISTANCE OF 216.71 FEET; THENCE SOUTH 18°13'55" EAST, A DISTANCE OF 226.45 FEET; THENCE SOUTH 21°33'11" EAST, A DISTANCE OF 209.10 FEET; THENCE SOUTH 22°59'20" EAST, A DISTANCE OF 208.68 FEET; THENCE SOUTH 20°51'56" EAST, A DISTANCE OF 228.80 FEET; THENCE SOUTH 19°35'05" EAST, A DISTANCE OF 197.36 FEET; THENCE SOUTH 21°47'29" EAST, A DISTANCE OF 220.09 FEET; THENCE SOUTH 23°15'15" EAST, A DISTANCE OF 216.09 FEET; THENCE SOUTH 21°13'03" EAST, A DISTANCE OF 202.95 FEET; THENCE SOUTH 21°35'02" EAST, A DISTANCE OF 201.62 FEET; THENCE SOUTH 21°54'26" EAST, A DISTANCE OF 200.69 FEET; THENCE SOUTH 23°13'10" EAST, A DISTANCE OF 200.43 FEET; THENCE SOUTH 21°30'12" EAST, A DISTANCE OF 203.85 FEET; THENCE SOUTH 22°34'44" EAST, A DISTANCE OF 202.73 FEET; THENCE SOUTH 21°16'36" EAST, A DISTANCE OF 202.07 FEET; THENCE SOUTH 21°24'31" EAST, A DISTANCE OF 196.87 FEET, SAID POINT BEING A DISTANCE OF 143.55 FEET FROM A NATIONAL GEODETIC STAINLESS STEEL ROD WITH NO CASING STAMPED "E405 1991", ALONG A BEARING OF NORTH 43°24'49" EAST; THENCE SOUTH 21°24'49" EAST, A DISTANCE OF 202.37 FEET; THENCE SOUTH 22°36'50" EAST, A DISTANCE OF 201.02 FEET; THENCE SOUTH 23°12'53" EAST, A DISTANCE OF 206.29 FEET; THENCE SOUTH 21°53'13" EAST, A DISTANCE OF 203.34 FEET; THENCE SOUTH 22°59'39" EAST, A DISTANCE OF

206.01 FEET; THENCE SOUTH 22°41'44" EAST, A DISTANCE OF 206.91 FEET; THENCE SOUTH 24°18'41" EAST, A DISTANCE OF 198.41 FEET; THENCE SOUTH 23°27'16" EAST, A DISTANCE OF 198.68 FEET; THENCE SOUTH 21°45'17" EAST, A DISTANCE OF 204.24 FEET; THENCE SOUTH 23°38'56" EAST, A DISTANCE OF 202.01 FEET; THENCE SOUTH 23°41'55" EAST, A DISTANCE OF 201.63 FEET; THENCE SOUTH 23°01'28" EAST, A DISTANCE OF 214.90 FEET; THENCE SOUTH 22°09'36" EAST, A DISTANCE OF 201.27 FEET; THENCE SOUTH 24°25'13" EAST, A DISTANCE OF 200.88 FEET, SAID POINT BEING A DISTANCE OF 176.58 FEET FROM A FLORIDA DEPARTMENT OF TRANSPORTATION DISK IN CONCRETE STAMPED "73 77 A06 RM NO 2" ALONG A BEARING OF NORTH 52°27'54" EAST; THENCE SOUTH 20°54'44" EAST, A DISTANCE OF 203.51 FEET; THENCE SOUTH 21°38'16" EAST, A DISTANCE OF 209.67 FEET; THENCE SOUTH 20°20'55" EAST, A DISTANCE OF 200.79 FEET, SAID POINT BEING 187.62 FEET FROM A DISK IN CONCRETE DESIGNATED "R087 74 F387" ON A BEARING OF SOUTH 75°38'39" EAST; THENCE SOUTH 22°20'36" EAST, A DISTANCE OF 200.00 FEET; THENCE SOUTH 22°21'33" EAST, A DISTANCE OF 202.55 FEET; THENCE SOUTH 23°35'32" EAST, A DISTANCE OF 201.65 FEET; THENCE SOUTH 22°57'54" EAST, A DISTANCE OF 200.09 FEET; THENCE SOUTH 21°14'54" EAST, A DISTANCE OF 197.76 FEET; THENCE SOUTH 22°28'36" EAST, A DISTANCE OF 214.90 FEET; THENCE SOUTH 21°54'01" EAST, A DISTANCE OF 203.19 FEET; THENCE SOUTH 26°32'29" EAST, A DISTANCE OF 201.67 FEET; THENCE SOUTH 19°59'42" EAST, A DISTANCE OF 198.35 FEET; THENCE SOUTH 17°36'28" EAST, A DISTANCE OF 201.98 FEET; THENCE SOUTH 20°24'56" EAST, A DISTANCE OF 200.86 FEET; THENCE SOUTH 22°13'23" EAST, A DISTANCE OF 207.98 FEET, SAID POINT BEING 196.15 FEET FROM A DEPARTMENT OF NATURAL RESOURCES DISK IN CONCRETE DESIGNATED "R-90 FL 2000 F390" ON A BEARING OF NORTH 42°05'54" EAST; THENCE SOUTH 22°01'01" EAST, A DISTANCE OF 199.04 FEET; THENCE SOUTH 22°00'08" EAST, A DISTANCE OF 201.81 FEET; THENCE SOUTH 21°45'51" EAST, A DISTANCE OF 208.83 FEET; THENCE SOUTH 22°00'22" EAST, A DISTANCE OF 204.51 FEET; THENCE SOUTH 22°14'49" EAST, A DISTANCE OF 204.97 FEET; THENCE SOUTH 21°03'18" EAST, A DISTANCE OF 201.92 FEET; THENCE SOUTH 20°19'36" EAST, A DISTANCE OF 206.00 FEET; THENCE SOUTH 22°31'18" EAST, A DISTANCE OF 198.38 FEET; THENCE SOUTH 23°21'08" EAST, A DISTANCE OF 199.66 FEET; THENCE SOUTH 24°29'08" EAST, A DISTANCE OF 199.85 FEET; THENCE SOUTH 19°39'05" EAST, A DISTANCE OF 202.46 FEET; THENCE SOUTH 18°24'10" EAST, A DISTANCE OF 205.48 FEET; THENCE SOUTH 19°09'24" EAST, A DISTANCE OF 208.28 FEET; THENCE SOUTH 18°46'26" EAST, A DISTANCE OF 203.49 FEET; THENCE SOUTH 22°15'18" EAST, A DISTANCE OF 199.88 FEET; THENCE SOUTH 22°51'58" EAST, A DISTANCE OF 201.98 FEET; THENCE SOUTH 22°42'52" EAST, A DISTANCE OF 199.83 FEET; THENCE SOUTH 20°06'53" EAST, A DISTANCE OF 204.30 FEET; THENCE SOUTH 22°40'47" EAST, A DISTANCE OF 196.40 FEET; THENCE SOUTH 22°19'36" EAST, A DISTANCE OF 202.92 FEET, SAID POINT BEING 121.95 FEET FROM A FLORIDA DEPARTMENT OF TRANSPORTATION DISK IN CONCRETE STAMPED "77 73 A04" ON A BEARING OF NORTH 79°11'55" EAST AND THE POINT OF TERMINATION OF THE AFOREMENTIONED MEAN HIGH WATER LINE, SAID POINT HAVING COORDINATES OF NORTH 1857642.26 FEET AND EASTING OF 621295.17 FEET. MEAN HIGH WATER LINE AS DESCRIBED HAVING A TOTAL LENGTH OF 13,354 FEET MORE OR LESS.

After the Hearing, and if approved by the Board of Trustees' designee the Erosion Control Line will be recorded in the County's Book of Plats and will become the boundary between private uplands and sovereign submerged lands owned by the state. Written objections to, or inquiries regarding, the proposed Erosion Control Line should be submitted to the Division of Water Resource Management – Beaches, Inlets and Ports Program, Department of Environmental Protection, c/o William Guy Weeks, 2600 Blair Stone Road, Mail Station 3590, Tallahassee, Florida 32399-2400, (850) 245-7696, e-mail: [william.weeks@FloridaDEP.gov](mailto:william.weeks@FloridaDEP.gov), prior to the date mentioned above. The Board of Trustees of the Internal Improvement Trust Fund of the State of Florida reserves the right to deny establishment of the Erosion Control Line.

BY ORDER OF THE BOARD OF TRUSTEES  
OF THE INTERNAL IMPROVEMENT TRUST

FUND OF THE STATE OF FLORIDA  
RON DESANTIS, GOVERNOR



## **Erosion Control Line Information**

Prior to beach erosion control projects in the State of Florida, an Erosion Control Line (ECL) must be established along the shoreline to define the property boundary between sovereign submerged land and upland ownership. In discharging its statutory duties to establish these boundary lines, coordination activities must occur with the Florida Department of Environmental Protection's Division of Water Resource Management (DWRM), Division of State Lands (DSL) - Bureau of Survey & Mapping (BSM), Office of General Counsel (OGC), local sponsors, consultants and surveyors. There are several steps one must follow to establish an erosion control line that can be found in the ECL checklist document. To view existing operative erosion control lines, please see the [OCULUS](#) electronic document management system, a FDEP database. To learn about beach restoration project information, see the [Strategic Beach Management Plan \(SBMP\)](#).

The Statutory and Rule Authority for Erosion Control Lines are the following:

- 161.141 F.S., Beach Restoration Projects \*
- 161.151 F. S., Definitions
- 161.161 F.S., Procedure for Approval of Beach Restoration Projects
- 161.181 F.S., Recording procedures for ECL's
- 161.191 F.S., Vesting of Title to Lands
- 161.201 F.S., Preservation of Common-Law Rights
- 161.211 F.S., Cancellation of Resolution for Nonperformance
- 177 F.S., Land Boundaries and Coastal Mapping \*
- [253.12-5\(B\) F.S.](#), Sovereign Submerged Lands
- [18-21 F.A.C.](#), Sovereign Submerged Lands Management

- [5J-17 F.A.C.](#), Standards of Practice / Minimum Technical Standards (MTS) for Surveyors and Mappers
- [62B-41.008 F.A.C.](#), Joint Coastal Permit Application Requirements and Procedures

\*Actual Florida Statute language for 161 and 177 are written below.

#### **Acronyms:**

- [FDEP – Florida Department of Environmental Protection](#)
- [CE – Critical Erosion](#)
- [BIPP – Beaches, Inlets and Ports Program](#)
- [BSM – Bureau of Survey and Mapping](#)
- [CCCL – Coastal Construction Control Line](#)
- [DSL – Division of State Lands](#)
- [DWRM – Division of Water Resource Management](#)
- ECL – Erosion Control Line
- [JCP – Joint Coastal Permit](#)
- [LABINS – Land Boundary Information System](#)
- MHWL – Mean High Water Line
- [OGC – Office of General Counsel](#)
- PSM – Professional Surveyor and Mapper
- [SBMP – Strategic Beach Management Plan](#)
- TIITF – Trustees of the Internal Improvement Trust Fund
- USACE - United States Army Corps of Engineers - Jacksonville
- USACE - United States Army Corps of Engineers - Mobile

**You need an erosion control line (ECL), when the following applies:**

- The project is authorized and defined by Congress/US Army Corps (USACE) or State as a beach restoration project.
- The project advances the mean high water line (immediately or over time).
- The project has a signed and dated local resolution; and
- To establish an ECL, the project must be located along FDEP designated “critically eroded beach”.
- Projects facing an inlet shoreline or locally/ privately funded projects will be examined by the Department on a case by case basis to determine the classification of the ECL as a standard ECL or just a MHWL survey and possible “Boundary Line Agreement” (BLA).
- A MHWL survey (required) and a possible BLA accomplishes the same objective as an ECL, but does not require a public workshop and hearing, since no state monies would be used to construct the beach restoration project.

**You don’t need an erosion control line (ECL) when the following applies:**

- The dune project is seeking a coastal construction control line (CCCL) permit.
- The construction plans for the dune project have demonstrated that the mean high water line (MHWL) will not be advanced nor has an adverse impact on offshore resources through the equilibration process post construction.
- The beach project is the result of an inlet or navigation channel maintenance dredging disposal and has not been defined as an authorized beach project by Congress/ USACE or State, see Section 161.141 F.S. This applies even if the project is being permitted through a joint coastal permit (JCP); or
- If the project is constructed along a “non-critically eroded beach” and advances the MHWL seaward or is affecting offshore resources, then a MHWL survey is required & a BLA may be required.

**Timeline:**

The ECL should represent the current conditions of the Mean High Water Line (MHWL) before construction is initiated:

- The MHWL survey should not be more than approximately 6 months old at the time of the ECL hearing. If the MHWL survey is several months beyond six months old at the time of the hearing, the DSL/ BSM or the DWRM may not accept the survey and if necessary, request that the MHWL survey be resurveyed and resubmitted to the Department so it will be reflective of current coastal conditions before construction of the beach restoration project.
- Department staff, local government officials and the consultant should consider the risk of recording an ECL, if the project is not ready to be constructed within a two-year time period after the workshop/ hearing. Therefore, it is recommended that the MHWL survey not be recorded in the County's Clerk of Court as an ECL, if it is known that the beach restoration project's permit will be petitioned and/or construction will be delayed for longer than a two-year time period. Therefore, the project should be planned for construction within two years of the recorded ECL. If the project is not constructed within two years of the ECL recording, the ECL may need to be cancelled and vacated; re-established and resubmitted based on a current MHWL survey. ECL's need to be consistent with 161.211 F.S.
- The MHWL Survey, ECL process and the recording of the new ECL takes approximately 6 months to 1 year to perform all of the listed tasks described in the ECL checklist. Best case scenario, the process will take approximately 6 months, however many items can potentially develop that may delay the process and the final recording of the ECL may take 1 year or in some cases 2 years. Just as you have delays in a construction schedule, similar delays may potentially develop with the ECL process.

## **Florida Statutes**

(2018)

### **Chapter 161**

#### **BEACH AND SHORE PRESERVATION**

##### **Erosion Control Lines:**

**161.141 Property rights of state and private upland owners in beach restoration project areas.**— The Legislature declares that it is the public policy of the state to cause to be fixed and determined, pursuant to beach restoration, beach nourishment, and erosion control projects, the boundary line between sovereignty lands of the state bordering on the Atlantic Ocean, the Gulf of Mexico, or the Straits of Florida, and the bays, lagoons, and other tidal reaches thereof, and the upland properties adjacent thereto; except that such boundary line shall not be fixed for beach restoration projects that result from inlet or navigation channel maintenance dredging projects unless such projects involve the construction of authorized beach restoration projects. However, prior to construction of such a beach restoration project, the board of trustees must establish the line of mean high water for the area to be restored; and any additions to the upland property landward of the established line of mean high water which result from the restoration project remain the property of the upland owner subject to all governmental regulations and are not to be used to justify increased density or the relocation of the coastal construction control line as may be in effect for such upland property. The resulting additions to upland property are also subject to a public easement for traditional uses of the sandy beach consistent with uses that would have been allowed prior to the need for the restoration project. It is further declared that there is no intention on the part of the state to extend its claims to lands not already held by it or to deprive any upland or submerged land owner of the legitimate and constitutional use and enjoyment of his or her property. If an authorized beach restoration, beach nourishment, and erosion control project cannot reasonably be accomplished without the taking of private property, the taking must be made by the requesting authority by eminent domain proceedings. In any action alleging a taking of all or part of a property or property right as a result of a beach restoration project, in determining whether such taking has occurred or the value of any damage alleged with respect to the owner's remaining upland property adjoining the beach restoration project, the enhancement, if any, in value of the owner's remaining adjoining property of the

upland property owner by reason of the beach restoration project shall be considered. If a taking is judicially determined to have occurred as a result of a beach restoration project, the enhancement in value to the owner's remaining adjoining property by reason of the beach restoration project shall be offset against the value of the damage, if any, resulting to such remaining adjoining property of the upland property owner by reason of the beach restoration project, but such enhancement in the value shall not be offset against the value of the property or property right alleged to have been taken. If the enhancement in value shall exceed the value of the damage, if any, to the remaining adjoining property, there shall be no recovery over against the property owner for such excess.

History.—s. 1, ch. 70-276; s. 1, ch. 79-233; s. 1, ch. 82-144; s. 7, ch. 86-138; s. 18, ch. 87-97; ss. 28, 487, ch. 94-356; s. 1439, ch. 95-147; s. 11, ch. 2000-346; s. 3, ch. 2007-99.

**161.151 Definitions; ss. 161.141-161.211.**—As used in ss. 161.141-161.211:

(1) "Board of trustees" means the Board of Trustees of the Internal Improvement Trust Fund.

(2) "Requesting authority" means any coastal county, municipality, or beach erosion control district which requests a survey by the board of trustees under the provisions of ss. 161.141-161.211.

(3) "Erosion control line" means the line determined in accordance with the provisions of ss. 161.141-161.211 which represents the landward extent of the claims of the state in its capacity as sovereign titleholder of the submerged bottoms and shores of the Atlantic Ocean, the Gulf of Mexico, and the bays, lagoons and other tidal reaches thereof on the date of the recording of the survey as authorized in s. 161.181.

(4) "Authorized beach restoration project" means a beach project authorized by the United States Congress or the department which involves a specific project engineering design and a project maintenance program for a period of not less than 10 years.

**History.**—s. 2, ch. 70-276; s. 1, ch. 70-439; s. 2, ch. 82-144.

**161.161 Procedure for approval of projects.-**

(1) The department shall develop and maintain a comprehensive long-term management plan for the restoration and maintenance of the state's critically eroded

beaches fronting the Atlantic Ocean, Gulf of Mexico, and Straits of Florida. The beach management plan shall:

- (a) Address long-term solutions to the problem of critically eroded beaches in this state.
- (b) Evaluate each improved, modified, or altered inlet and determine whether the inlet is a significant cause of beach erosion. With respect to each inlet determined to be a significant cause of beach erosion, the plan shall include:
  - 1. The extent to which such inlet causes beach erosion and recommendations to mitigate the erosive impact of the inlet, including, but not limited to, recommendations regarding inlet sediment bypassing; modifications to channel dredging, jetty design, and disposal of spoil material; establishment of feeder beaches; and beach restoration and beach nourishment; and
  - 2. Cost estimates necessary to take inlet corrective measures and recommendations regarding cost sharing among the beneficiaries of such inlet.
- (c) Design criteria for beach restoration and beach nourishment projects, including, but not limited to:
  - 1. Dune elevation and width and revegetation and stabilization requirements; and
  - 2. Beach profile.
- (d) Evaluate the establishment of feeder beaches as an alternative to direct beach restoration and recommend the location of such feeder beaches and the source of beach-compatible sand.
- (e) Identify causes of shoreline erosion and change, calculate erosion rates, and project long-term erosion for all major beach and dune systems by surveys and profiles.
- (f) Identify shoreline development and degree of density and assess impacts of development and shoreline protective structures on shoreline change and erosion.
- (g) Identify short-term and long-term economic costs and benefits of beaches, including recreational value to user groups, tax base, revenues generated, and beach acquisition and maintenance costs.
- (h) Study dune and vegetation conditions.
- (i) Identify beach areas used by marine turtles and develop strategies for protection of the turtles and their nests and nesting locations.
- (j) Identify alternative management responses to preserve undeveloped beach and dune systems, to restore damaged beach and dune systems, and to prevent inappropriate development and redevelopment on migrating beaches, and consider

beach restoration and nourishment, armoring, relocation and abandonment, dune and vegetation restoration, and acquisition.

(k) Establish criteria, including costs and specific implementation actions, for alternative management techniques.

(l) Select and recommend appropriate management measures for all of the state's sandy beaches in a beach management program.

(m) Establish a list of beach restoration and beach nourishment projects, arranged in order of priority, and the funding levels needed for such projects.

The beach management plan may be prepared at the regional level based upon areas of greatest need and probable federal funding. Such regional plans shall be components of the statewide beach management plan and shall serve as the basis for state funding decisions upon approval in accordance with chapter 86-138, Laws of Florida. In accordance with a schedule established for the submission of regional plans by the department, any completed plan must be submitted to the secretary of the department for approval no later than March 1 of each year. These regional plans shall include, but shall not be limited to, recommendations of appropriate funding mechanisms for implementing projects in the beach management plan, giving consideration to the use of single-county and multicounty taxing districts or other revenue generation measures by state and local governments and the private sector. Prior to presenting the plan to the secretary of the department, the department shall hold a public meeting in the areas for which the plan is prepared. The plan submission schedule shall be submitted to the secretary for approval. Any revisions to such schedule must be approved in like manner.

(2) Annually, the secretary shall present to the Legislature recommendations for funding beach erosion control projects prioritized according to the criteria established in s. 161.101(14).

(3) Once a project is determined to be undertaken, a survey of all or part of the shoreline within the jurisdiction of the local government in which the beach is located shall be conducted in order to establish the area of beach to be protected by the project and locate an erosion control line. No provision of ss. 161.141-161.211 shall be construed as preventing a local government from participating in the funding of erosion control projects or surveys undertaken in accordance with the provisions of ss. 161.141-161.211. In lieu of conducting a survey, the board of trustees may accept and approve a survey as initiated, conducted, and submitted by the

appropriate local government if said survey is made in conformity with the appropriate principles set forth in ss. 161.141-161.211.

(4) Upon completion of the survey depicting the area of the beach erosion control project and the proposed location of the erosion control line, the board of trustees shall give notice of the survey and the date on which the board of trustees will hold a public hearing for the purpose of receiving evidence on the merits of the proposed erosion control line and, if approval is granted, of locating and establishing such requested erosion control line. Such notice shall be by publication in a newspaper of general circulation published in the county or counties in which the proposed beach erosion control project shall be located not less than once a week for 3 consecutive weeks and by mailing copies of such notice by certified or registered mail to each riparian owner of record of upland property lying within 1,000 feet (radial distance) of the shoreline to be extended through construction of the proposed beach erosion control project, as his or her name and address appear upon the latest tax assessment roll, in order that any persons who have an interest in the location of such requested erosion control line can be present at such hearing to submit their views concerning the precise location of the proposed erosion control line. Such notice shall be in addition to any notice requirement in chapter 120.

(5) The board of trustees shall approve or disapprove the erosion control line for a beach restoration project. In locating said line, the board of trustees shall be guided by the existing line of mean high water, bearing in mind the requirements of proper engineering in the beach restoration project, the extent to which erosion or avulsion has occurred, and the need to protect existing ownership of as much upland as is reasonably possible.

(6) In no event shall the department undertake a beach restoration or beach nourishment project where a local share is required without the approval of the local government or governments responsible for that local share.

(7) The department may adopt rules to administer this section.

History.—s. 3, ch. 70-276; s. 1, ch. 70-439; s. 23, ch. 78-95; s. 2, ch. 79-233; s. 9, ch. 86-138; s. 20, ch. 87-97; s. 29, ch. 94-356; s. 1440, ch. 95-147; s. 6, ch. 96-321; s. 3, ch. 96-371; s. 4, ch. 98-311; s. 12, ch. 2000-346; s. 40, ch. 2010-102.

**161.181 Recording of resolution and survey of board of trustees.**— If no review is taken within the time prescribed from the decision of the board of trustees or, if review be timely taken, in the absence of a final decision of a court of

competent jurisdiction preventing the implementation of a beach erosion control project or invalidating, abolishing, or otherwise preventing the establishment and recordation of the erosion control line as provided herein, the board of trustees shall file in the public records of the county or counties in which the erosion control line lies, a copy of its resolution approving the beach erosion control project and locating the erosion control line and shall also file and cause to be recorded in the book of plats of said county or counties a survey showing the area of beach to be protected and the location of the erosion control line.

History.—s. 5, ch. 70-276; s. 1, ch. 70-439; s. 3, ch. 79-233.

**161.191 Vesting of title to lands.—**

(1) Upon the filing of a copy of the board of trustees' resolution and the recording of the survey showing the location of the erosion control line and the area of beach to be protected as provided in s. 161.181, title to all lands seaward of the erosion control line shall be deemed to be vested in the state by right of its sovereignty, and title to all lands landward of such line shall be vested in the riparian upland owners whose lands either abut the erosion control line or would have abutted the line if it had been located directly on the line of mean high water on the date the board of trustees' survey was recorded.

(2) Once the erosion control line along any segment of the shoreline has been established in accordance with the provisions of ss. 161.141-161.211, the common law shall no longer operate to increase or decrease the proportions of any upland property lying landward of such line, either by accretion or erosion or by any other natural or artificial process, except as provided in s. 161.211(2) and (3). However, the state shall not extend, or permit to be extended through artificial means, that portion of the protected beach lying seaward of the erosion control line beyond the limits set forth in the survey recorded by the board of trustees unless the state first obtains the written consent of all riparian upland owners whose view or access to the water's edge would be altered or impaired.

History.—s. 6, ch. 70-276; s. 1, ch. 70-439; s. 3, ch. 79-233.

**161.201 Preservation of common-law rights.—** Any upland owner or lessee who by operation of ss. 161.141-161.211 ceases to be a holder of title to the mean high-water line shall, nonetheless, continue to be entitled to all common-law riparian rights except as otherwise provided in s. 161.191(2), including but not limited to

rights of ingress, egress, view, boating, bathing, and fishing. In addition the state shall not allow any structure to be erected upon lands created, either naturally or artificially, seaward of any erosion control line fixed in accordance with the provisions of ss. 161.141-161.211, except such structures required for the prevention of erosion. Neither shall such use be permitted by the state as may be injurious to the person, business, or property of the upland owner or lessee; and the several municipalities, counties and special districts are authorized and directed to enforce this provision through the exercise of their respective police powers.

History.—s. 7, ch. 70-276.

**161.211 Cancellation of resolution for nonperformance by board of trustees.—**

(1) If for any reason construction of the beach erosion control project authorized by the board of trustees is not commenced within 2 years from the date of the recording of the board of trustees' survey, as provided in s. 161.181, or in the event construction is commenced but halted for a period exceeding 6 months from commencement, then, upon receipt of a written petition signed by those owners or lessees of a majority of the lineal feet of riparian property which either abuts or would have abutted the erosion control line if the same had been located at the line of mean high water on the date the board of trustees' survey was recorded, the board of trustees shall forthwith cause to be canceled and vacated of record the resolution authorizing the beach erosion control project and the survey locating the erosion control line, and the erosion control line shall be null and void and of no further force or effect.

(2) If the state, county, municipality, erosion control district, or other governmental agency charged with the responsibility of maintaining the protected beach fails to maintain the same and as a result thereof the shoreline gradually recedes to a point or points landward of the erosion control line as established herein, the provisions of s. 161.191(2) shall cease to be operative as to the affected upland.

(3) In the event a substantial portion of the shoreline encompassed within the erosion control project recedes landward of the erosion control line, the board of trustees, on its own initiative, may direct or request, or, upon receipt of a written petition signed by the owners or lessees of a majority of the lineal feet of riparian property lying within the erosion control project, shall direct or request, the agency charged with the responsibility of maintaining the beach to restore the same to the

extent provided for in the board of trustees' recorded survey. If the beach is not restored as directed or requested by the board of trustees within a period of 1 year from the date of the directive or request, the board of trustees shall forthwith cause to be canceled and vacated of record the resolution authorizing the beach erosion control project and the survey locating the erosion control line, and the erosion control line shall be null and void and of no further force or effect.

History.—s. 8, ch. 70-276; s. 1, ch. 70-439; s. 3, ch. 79-233.

## **Chapter 177**

### **LAND BOUNDARIES – Part II -- Coastal Mapping**

**177.25 Short title.**— This part shall be cited as the “Florida Coastal Mapping Act of 1974.”

History.—s. 1, ch. 74-56.

**177.26 Declaration of policy.**— The Legislature recognizes the desirability of confirmation of the mean high-water line, as recognized in the State Constitution and defined in s. 177.27(15) as the boundary between state sovereignty land and uplands subject to private ownership, as well as the necessity for uniform standards and procedures with respect to the establishment of local tidal datums and the determination of the mean high-water and mean low-water lines, and therefore directs that uniform standards and procedures be developed.

History.—s. 2, ch. 74-56; s. 2, ch. 91-56.

**177.27 Definitions.**— The following words, phrases, or terms used herein, unless the context otherwise indicates, shall have the following meanings:

(14) “Mean high water” means the average height of the high waters over a 19-year period. For shorter periods of observation, “mean high water” means the average height of the high waters after corrections are applied to eliminate known variations and to reduce the result to the equivalent of a mean 19-year value.

(15) "Mean high-water line" means the intersection of the tidal plane of mean high water with the shore.

**177.28 Legal significance of the mean high-water line.—**

(1) Mean high-water line along the shores of land immediately bordering on navigable waters is recognized and declared to be the boundary between the foreshore owned by the state in its sovereign capacity and upland subject to private ownership. However, no provision of this part shall be deemed to constitute a waiver of state ownership of sovereignty submerged lands, nor shall any provision of this part be deemed to impair the title to privately owned submerged lands validly alienated by the State of Florida or its legal predecessors.

(2) No provision of this part shall be deemed to modify the common law of this state with respect to the legal effects of accretion, reliction, erosion, or avulsion. History.—s. 4, ch. 74-56.

**177.29 Powers and duties of the department.—**

(1) The provisions of this part shall be administered by the department.

(2) In addition to such powers as may be specifically delegated to it under the provisions of this part, the department is authorized to perform the following functions:

(a) To coordinate the efforts of all public and private agencies and organizations engaged in the making of tidal surveys and maps of the coastal areas of this state, with the object of avoiding unnecessary duplication and overlapping;

(b) To serve as a coordinating state agency for any program of tidal surveying and mapping conducted by the Federal Government;

(c) To assist any court, tribunal, administrative agency, or political subdivision, and to make available to them information, regarding tidal surveying and coastal boundary determinations;

(d) To contract with federal, state, or local agencies or with private parties for the performance of any surveys, studies, investigations, or mapping activities, for preparation and publication of the results thereof, or for other authorized functions relating to the objectives of this part;

(e) To develop permanent records of tidal surveys and maps of the state's coastal areas;

(f) To develop uniform specifications and regulations for tidal surveying and mapping coastal areas of the state;

- (g) To collect and preserve appropriate survey data from coastal areas; and
- (h) To act as a public repository for copies of coastal area maps and to establish a library of such maps and charts.

History.—s. 5, ch. 74-56; s. 36, ch. 94-356.

**177.35 Standards and procedures; applicability.**—The establishment of local tidal datums and the determination of the location of the mean high-water line or the mean low-water line, whether by federal, state, or local agencies or private parties, shall be made in accordance with the standards and procedures set forth in ss.

177.37-177.39 and in accordance with supplementary regulations promulgated by the department.

History.—s. 11, ch. 74-56.

**177.36 Work to be performed only by authorized personnel.**— The establishment of local tidal datums and the determination of the location of the mean high-water line or the mean low-water line must be performed by qualified personnel licensed by the Board of Professional Surveyors and Mappers or by representatives of the United States Government when approved by the department.

History.—s. 12, ch. 74-56; s. 50, ch. 83-217; s. 21, ch. 85-80; s. 107, ch. 94-119.

**177.37 Notification to department.**— Any surveyor undertaking to establish a local tidal datum and to determine the location of the mean high-water line or the mean low-water line shall submit a copy of the results thereof to the department within 90 days after the completion of such work, if the same is to be recorded or submitted to any court or agency of state or local government.

History.—s. 13, ch. 74-56.

**177.38 Standards for establishment of local tidal datums.**—

(1) Unless otherwise allowed by this part or regulations promulgated hereunder, a local tidal datum shall be established from a series of tide observations taken at a tide station established in accordance with procedures approved by the department. In establishing such procedures, full consideration will be given to the national standards and procedures established by the National Ocean Service.

(2) Records acquired at control tide stations, which are based on mean 19-year values, comprise the basic data from which tidal datums are determined.

(3) Observations at a tide station other than a control tide station shall be reduced to mean 19-year values through comparison with simultaneous observations at the appropriate control tide stations. The observations shall be made continuously and shall extend over such period as shall be provided for in departmental regulations.

(4) When a local tidal datum has been established, it shall be preserved by referring it to tidal bench marks in the manner prescribed by the department.

(5) A local tidal datum may be established between two tide stations by interpolation when the time and mean range differences of the tide between the two tide stations are within acceptable standards as determined by the department. The methods for establishing the local tidal datum by interpolation shall be prescribed by regulations of the department. Local tidal datums established in this manner shall be recorded with the department.

(6) A local tidal datum properly established through the use of continuous tide observations meeting the standards described in this section shall be presumptively correct when it differs from a local tidal datum established by interpolation.

(7) The department may approve the use of tide observations made prior to July 1, 1974, for use in establishing local tidal datums.

History.—s. 14, ch. 74-56; s. 16, ch. 98-20.

**177.39 Determination of mean high-water line or mean low-water line.—**

The location of the mean high-water line or the mean low-water line shall be determined by methods which are approved by the department for the area concerned. Geodetic bench marks shall not be used unless approved by the department.

History.—s. 15, ch. 74-56.

**177.40 Admissibility of maps and surveys.—** No map or survey prepared after July 1, 1974, and purporting to establish local tidal datums or to determine the location of the mean high-water line or the mean low-water line shall be admissible as evidence in any court, administrative agency, political subdivision, or tribunal in this state unless made in accordance with the provisions of this part by persons described in s. 177.36.

History.—s. 16, ch. 74-56.



## **FLAGLER COUNTY COASTAL STORM RISK MANAGEMENT PROJECT**

**FLAGLER BEACH EROSION CONTROL LINE (ECL) – Federal Project  
PUBLIC WORKSHOP & PUBLIC HEARING  
TUESDAY, OCTOBER 22, 2019  
6:00 pm to 7:30 pm**

**GOVERNMENT SERVICES COMPLEX  
BUNNELL, FLORIDA  
1769 E. Moody Boulevard  
Bunnell, Florida**

### **PUBLIC WORKSHOP - AGENDA**

Welcome	Flagler County (Project Sponsor)
Purpose of Workshop	FDEP and Flagler County
Presentation of Proposed Project & ECL	USACE/Olsen Associates, Inc.
Talk to Specialists	Walk room to see/discuss details/ask questions
Adjourn	

### **PUBLIC HEARING – AGENDA (to immediately follow WORKSHOP)**

Outline of ECL Process	Hearing Officer (FDEP)
Presentation of Proposed ECL	Olsen Associates, Inc.
Public Comments	Moderated by Hearing Officer (FDEP)
Closing Remarks	Hearing Officer (FDEP)
Adjourn	

**Note: Public Hearing will be recorded.**