

Surveyors Certification: I hereby certify that to the best of my knowledge and belief that the attached "Specific Purpose Survey" is true and correct. I further certify that this survey meets the Minimum Technical Standards set forth by the Florida Board of Professional Surveyors and Mappers, set forth in Chapter 61G 17.0 of the Florida Administrative Code, pursuant to Section 472.027 of the Florida Statutes.

Donald T. Ramsay, PSM  
License #5851

OPERATOR / CONDITIONS	
SURVEY DATE:	07-20-2017
ENGINEER / SURVEYOR:	JH/DO
SURVEY VESSEL:	OHS24
VESSEL OPERATOR:	DO
WEATHER:	Clear
TEMPERATURE:	90°F
WIND:	0-5 E
SEA:	CALM

- SURVEYORS NOTES:**
1. SURVEY PERFORMED ON 07-20-2017.
  2. THE HORIZONTAL DATUM IS NAD83 "US-Feet" Florida East (90).
  3. THE VERTICAL DATUM IS "MLLW".
  4. THE INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF THE SITE CONDITIONS AT THAT TIME.
  5. THE LOCATION OF UTILITIES, FOUNDATIONS OR STRUCTURES, IF ANY, BENEATH THE SURFACE HAVE NOT BEEN DETERMINED.
  6. THE SPECIFIC PURPOSE OF THIS SURVEY IS TO SHOW THE EXISTING WATER DEPTHS AT THE SITE. THIS IS NOT A BOUNDARY SURVEY.
  7. SURVEY PERFORMED USING A SONAR/ME ECHOSOUNDER WITH TRIMBLE DGPS.
  8. RTK ROD SHOT COMPARISONS WERE PERFORMED TO CALIBRATE THE SONAR MOUNT PRIOR TO OBTAINING THE DATA.
  9. CONTOURS CONTAINED HEREON ARE COMPUTER GENERATED BASED ON SURVEY DATA AND PRESENTED AT A 1' INTERVAL.
  10. SOURCE OF AERIAL IMAGE: "GOOGLE EARTH" MARCH 2017.

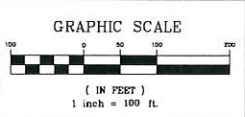
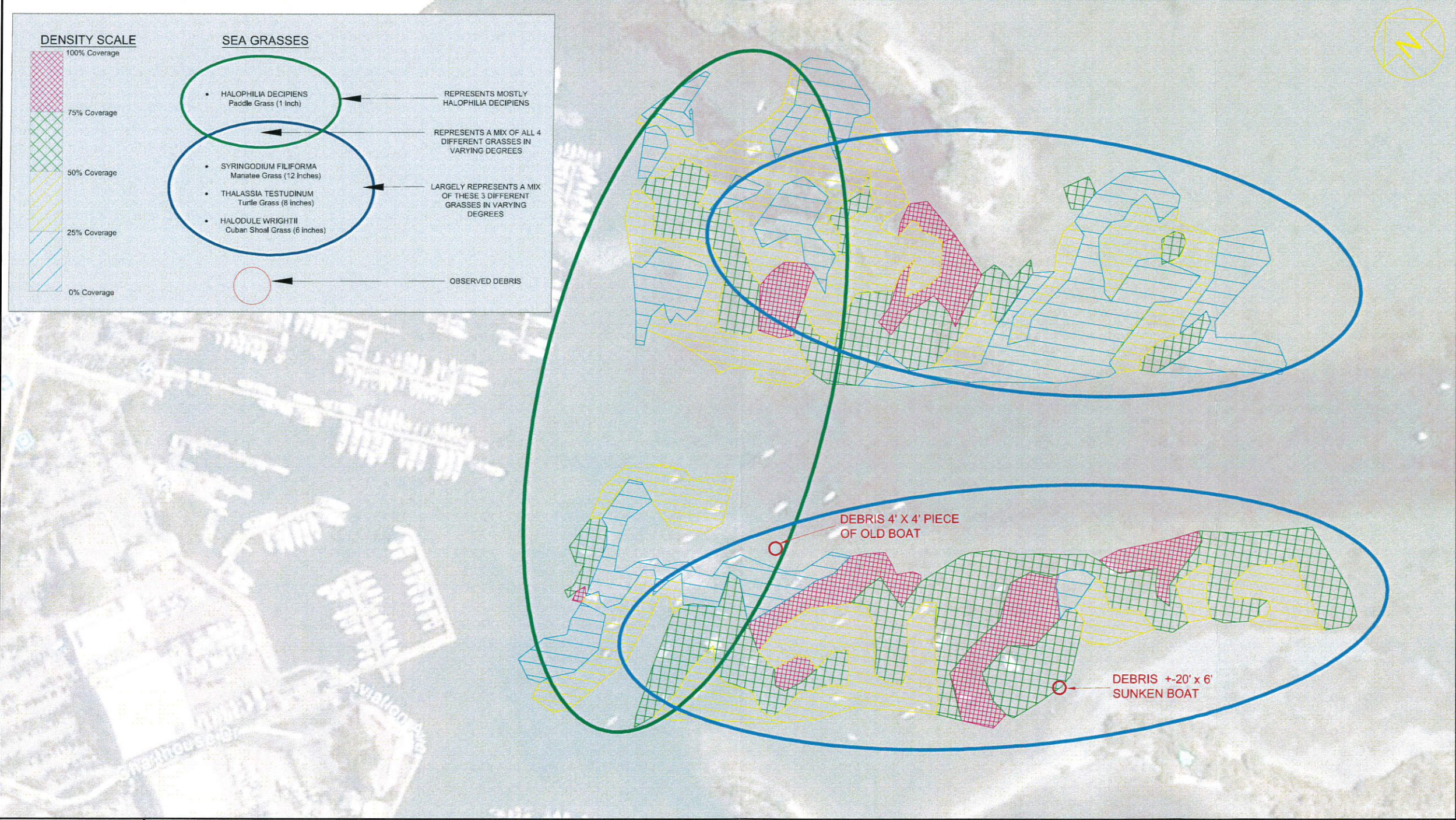
PROJECT DETAILS	
HORIZONTAL DATUM:	NAD 83
LOCAL GRID:	FLORIDA EAST ZONE
VERTICAL DATUM:	MLLW
UNITS HORIZ. / VERT.:	FT/FT
SURVEY/PROJ. CONTROL POINT:	X= 907123
BH 3205F	Y= 507324
	Z= 2.378
SURVEY/PROJ. BENCH MARK:	X= same as above
	Y= same as above
	Z= same as above
TIDE STAFF LOCATION:	N/A

**Olin Hydrographic Solutions, Inc.**  
16334 Port Dickinson Dr, Jupiter, FL, 33477  
Consulting Engineering, Surveying & Mapping, and Environmental Services  
Phone: (305) 619-2919 Fax: (305) 660-4411  
CA \* 20150 LB \* 7999

**PROJECT**  
Dinner Key,  
Coconut Grove, Florida

**TITLE/SURVEY TITLE**  
Hydrographic Survey

DATE/REVISED:	DATE:	BY:	APP'D:
07/24/17	07/24/17	JH	DO
1	1	1	1



Surveyors Certification: I hereby certify that to the best of my knowledge and belief that the attached "Special Purpose Survey" is true and correct. I further certify that this survey meets the Minimum Technical Standards set forth by the Florida Board of Professional Surveyors and Mappers, set forth in Chapter 61G 17.9 of the Florida Administrative Code, pursuant to Section 472.027 of the Florida Statutes.

Donald T. Ramsay, PSM  
License #5851

OPERATOR / CONDITIONS	
SURVEY DATE:	07-20-2017
ENGINEER / SURVEYOR:	JH/DO
SURVEY VESSEL:	OHS24
VESSEL OPERATOR:	DO
WEATHER:	Clear
TEMPERATURE:	90°F
WIND:	0-5 E
SEA:	CALM

SURVEYOR'S NOTES:

1. THE SPECIFIC PURPOSE OF THIS SURVEY IS TO SHOW THE SIGNIFICANT BIOLOGICAL RESOURCES AT THE SITE. THIS IS NOT A BOUNDARY SURVEY.
2. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF THE SITE CONDITIONS AT THAT TIME.
3. A DIVER WAS POSITIONED USING A TRIMBLE DGPS RELAYING OBSERVATIONS VIA UNDERWATER COMMS TO A TEAM MEMBER TAKING NOTES ON THE BOAT.
4. FOUR TYPES OF SEA-GRASS WERE IDENTIFIED 1-HALOPHILA DECIPIENS 2-THALASSIA TESTUDINUM 3-HALODULE WRIGHTII 4-SYRINGODIUM FILIFORMA. THE COVERAGE OF SEA-GRASS EXTENDS BEYOND THE LIMITS OF THE HATCHED AREAS AND IS ONLY SHOWN ON THIS PLAN AS THE EXTENTS OF THE SCOPE OF WORK.
5. SOURCE OF AERIAL IMAGE "GOOGLE EARTH" MARCH 2017.

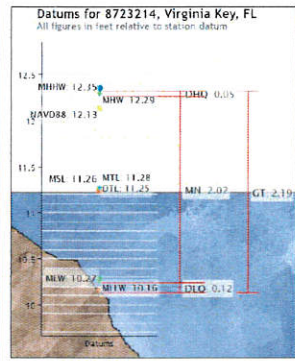
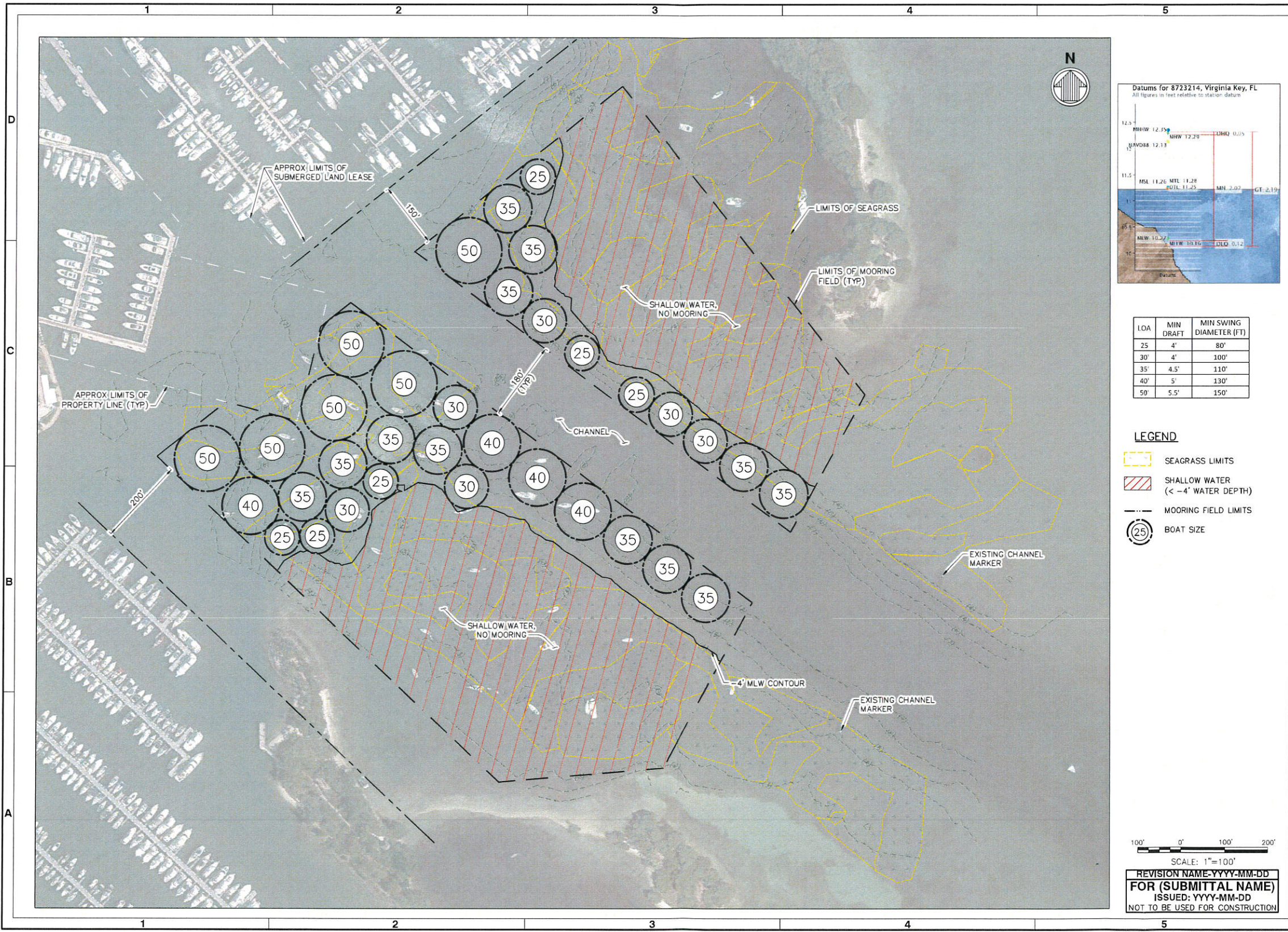
PROJECT DETAILS	
HORIZONTAL DATUM:	NAD 83
LOCAL GRID:	FLORIDA EAST ZONE
VERTICAL DATUM:	MLLW
UNITS HORIZ. / VERT.:	FT/FT
SURVEY/PROJ. CONTROL POINT:	X= 907123
BM 3205F	Y= 507324
	Z= 2.378
SURVEY/PROJ. BENCH MARK:	X= same as above
	Y= same as above
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TIDE STAFF LOCATION:	N/A

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Phone: (305) 619-2899 Fax: (305) 580-4411  
C.A. # 26000 L.B. # 7099

**PROJECT**  
Dinner Key,  
Coconut Grove, Florida

**TITLE/SURVEY TITLE**  
Resource & Debris Survey

DATE: 07-20-2017	JOB NO.: 17020	SHEET: 14 OF 14
BY: JH/DO	CHECKED BY: N/A	
DATE PLOTTED: 07-20-2017	SCALE: 1" = 100'	



LOA	MIN DRAFT	MIN SWING DIAMETER (FT)
25	4'	80'
30'	4'	100'
35'	4.5'	110'
40'	5'	130'
50'	5.5'	150'

- LEGEND**
- SEAGRASS LIMITS
  - SHALLOW WATER (< -4' WATER DEPTH)
  - MOORING FIELD LIMITS
  - BOAT SIZE

100' 0' 100' 200'  
SCALE: 1"=100'

REVISION NAME-YYYY-MM-DD  
FOR (SUBMITTAL NAME)  
ISSUED: YYYY-MM-DD  
NOT TO BE USED FOR CONSTRUCTION

	Date: Work:
<b>DINNER KEY NORTH MOORING FIELD</b>	<b>PRELIMINARY LAYOUT</b>
	Date: 08/22/17 Drawn by: NMP Check by: DND Reviewed by: RCR Submitted by: MOFFATT & NICHOL Project No.: INSURE PROJ. NO. Drawing Code: Drawing Scale: Plot scale: 1:1 (0 SHEET)
SEAL	Sheet Reference No. <b>FIG-001</b> INDEX: 1 OF 1

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING