



**FISH AND WILDLIFE CONSERVATION COMMISSION
DIVISION OF MARINE FISHERIES
ARTIFICIAL REEF PROGRAM**

MATERIALS PLACEMENT REPORT

To Be Completed For Each Deployment Location or Date of Deployment
ATTACH A PHOTOGRAPH OF THE MATERIAL ON THE BARGE IMMEDIATELY PRIOR TO DEPLOYMENT

County or Municipality: Martin County Dates of Placement: Jan. 21, 22, 26, 27, Feb. 9, 10, 14, April 4, May 11
 Grant No. FWCC - N/A (if applicable) U.S. Army Corps Permit No.: 199504128 (IP-TA)
 Source of Funding: Martin County and D.O.T. Amount: \$ 6,832.00
 Name of Permitted Reef Site: Donaldson Location Name Clifton S. Perry Memorial
 for This Deployment:

NOTE: ONLY COORDINATES TAKEN WITH A DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS) RECEIVER ARE ACCEPTABLE. COORDINATES SHOULD BE REPORTED IN DECIMAL MINUTE FORMAT ONLY. CONVERSIONS FROM LORAN-C TIME DELAYS OR CHART INTERPOLATIONS ARE UNACCEPTABLE.

Latitude: 27°13.352 North Longitude: 080°06.131 West

Brand of Machine: Standard Horizon Model Number: CP 150 C

Actual LORAN-C coordinates (if taken on-site): N/A

Geographical Location: 3.9 at 030 T degrees from St. Lucie Inlet Sea Buoy
 (nautical miles) (bearing) (reference channel marker)

Water Depth: 65 – 67 feet Maximum Material Height: 27 one spot, Avg. = 16 feet

TYPE AND AMOUNT OF MATERIAL DEPLOYED AT THE LOCATION DESCRIBED ABOVE:

Primary Type of Material: Steel Reinforced concrete slabs, pilings, guard railings, roadway sections, pile caps, & sidewalk sections from demolished Jensen Beach Causeway Frank Wacha Bridge
 Number of Pieces: 318 large complete pieces, 450 smaller concrete rubble pieces

Dimensions: See attached listing

Secondary Type of Material: Structural Steel I beams, braces, piping, plating, rods, steel guardrails, grating, and Z sheetpiling Number of Pieces: 98 pieces

Dimensions: See attached listing

FOR GRANT-FUNDED REEFS, the following data will be recorded at the staging area prior to and after the deployment. This formula represents an average, single rake barge and may not represent the exact tonnage of materials placed.
USING THIS FORMULA FOR PAYMENT OF TRANSPORTATION COSTS SHOULD BE AGREED UPON IN ADVANCE WITH A CONTRACTOR.

Barge Length: 150 feet Barge Width: 50 feet Loaded Draft: 6 – 7.5 feet Unloaded Draft: 2.5 feet
 (Length X Width X Loaded Draft X 0.93 X 65) = 2,000 = _____ (Loaded barge weight in tons)
 SUBTRACT
 (Length X Width X Unloaded Draft X 0.93 X 65) = 2,000 = _____ (Unloaded barge weight in tons)
TOTAL TONNAGE FOR THIS DEPLOYMENT= 9 total bargeloads at this site all between 400 – 600 tons each

I DO HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE

Observer's Name: Kerry L. Dillon Title: Consultant for Martin County
 Observer's Signature: _____ Date: _____

Observer's Remarks: Good grouping of materials, overall footprint lies from SE -> NW with many overhangs, tunnels, much vertical relief and stacking of materials providing many crevices, voids and interspatial areas.

Location has been surveyed several times during deployments, all deployments were from an anchored barge.

Rev. 12/99

Listing of deployed material types, quantity & sizes for Clifton S. Perry Memorial Reef

<u>Material type</u>	<u>Quantity</u>	<u>Description</u>
Concrete	42	30 ' x 6' x 1' sidewalk sections with 4' high handrails attached
Concrete/steel	52	large 57' x 6' x 4' roadway sections w/ steel I beam attached
Concrete/steel	4	20 ' x 6' x 1' sidewalk sections with 4' high handrails attached
Concrete	16	medium 53' x 3.5' x 4' roadway sections w/ steel I beam attached
Concrete	50	10' x 14" x 14" pilings (some broke, most whole)
Concrete	46	18" x 18" x 32' pilings
Concrete	38	18" x 18" x 20' pilings
Concrete	10	45' x 24" x 24" pilings
Concrete	8	18' x 24" x 24" pilings
PVC pipe (concrete filled)	8	12' x 16" diameter
Concrete	16	30' x 3' x 3' pile caps w/ 4' – 6' pieces of piles sticking out
Concrete	8	15' x 3' x 3' pile caps w/ 4' pieces of piles sticking out
Concrete	4	bascule drawspan counterweights ,18' x 10' x 6'
Concrete	2	bascule pier sections 16' x 12' x 5'
Concrete	4	bascule pier sections 10' x 8' x 5'
Steel pipe	10	18" water main pipe sections 20 - 30 ft. long each
Concrete	10	30" diameter culverts x 8 ft. long each
Concrete	Approx. 450	rubble from 2' x 1' up to 5' x 3' x 4'
Steel	7	sheet Z pile 10' x 8' each
Steel	3	12' x 3' x 3" catwalk grating
Steel	10	4" x 6" wide x 3' long brackets