

**APPENDIX E**

**Permit / Project History**

**Prior to BMA Implementation**

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## 1. LAKE WORTH INLET SAND TRANSFER PLANT, TOWN OF PALM BEACH

The sand transfer plant located on the north jetty of the inlet is operated by the Town of Palm Beach and includes an in-water discharge pipeline to the beach immediately south of the inlet.

### PERMIT HISTORY

Activity	Permit No.	Authorized Area	Issuance Date	Expiration Date
Sand Transfer Plant Rehabilitation/Repair	0295170 - 001-BE	R075 Section 43, Township 42 South Range 35 East	5/21/2009	5/21/2010

### SAND TRANSFER HISTORY\*

Date Completed	Volume
1996	193,300
1997	144,800
1998	58,400
1999	98,000
2000	162,000
2001	255,000
2002	172,000
2003	198,000
2004	96,000
2005	245,000
2006	182,000
2007	161,000
2008	149,000
2009	29,000
2010	200,000

\*While no permit was issued the above table describes the bypassing which typically occurs in winter months. The placement location extends from the discharge into Reach 1.

## 2. PALM BEACH HARBOR, USACE

The Corps of Engineers maintains the Port Channel by periodically dredging the navigation – related complex at the Palm Beach Harbor / Lake Worth Inlet, including the settling basin, the entrance channel, the inner channel and the turning basin. The dredged material is placed either landward of the -17 foot mean low water contour, seaward of the mean high water line, or on the dry beach immediately south of the south jetty, and proceeds in a southerly direction approximately 3450 feet to approximately R-78.5 in Reach 2. There was an emergency dredging project issued on 9/20/04, that expired 10/21/04, which allowed the dredging of 225,000 cy of sand from the Harbor.

### PERMIT HISTORY

Activity	Permit No.	Authorized Area	Issuance Date	Expiration Date
Dredge and Fill	216012 - 01	R075	3/17/2005	3/17/2015
Dredge and Fill	216012 – 02	R075	9/21/2004	10/21/2004
Relocation and Fill	216012 – 03	R075	10/06/2004	10/21/2004
Variance	216012 – 04	R075	4/19/2005	12/31/2006
Turbidity Monitoring	216012 – 05	R075	4/22/2005	3/17/2015
Dredge and Fill	216012 – 06	R075	10/14/2005	3/17/2015
Nourishment/Artificial Reef	216012 – 07	R075	9/21/2006	3/17/2015
Design Change/Dredge & Fill	216012 – 08	R075	9/14/2006	No date

<b>Activity</b>	<b>Permit No.</b>	<b>Authorized Area</b>	<b>Issuance Date</b>	<b>Expiration Date</b>
Repair /Breakwater Jetty	216012 – 09	R076	6/11/2007	6/10/2008
Night Dredging	216012 – 10	R075	2/08/2008	No date
Extend Turtle Window	216012 – 11	R075	4/29/2008	5/14/2008
Exemption to Rehabilitation	216012 – 12	R076	12/09/2008	No date
Modification to 07 permit for South Jetty	216012 – 13	R075	5/29/2009	3/17/2015
Leatherback nesting survey	216012-15	R075	9/10/2010	No date
Channel dredging	216012-16	R075	2/01/2012	No date

**SAND PLACEMENT HISTORY**

<b>Date Completed</b>	<b>Volume</b>
1993	40,000
January 1994	14,400
March 1994	155,000
April 1995	180,000
June 1996	88,000
March 1997	100,000
February 1998	33,000
1999	53,000
2000	124,000
2001	57,332
2002	118,000
2003	77,000
2004	72,000
2005	305,000
2006	13,000
2007	185,000
2008	158,000
2009	46,000
2010	18,000

### 3. MIDTOWN BEACH NOURISHMENT PROJECT, TOWN OF PALM BEACH

This project consists of placement of approximately 1.4 million cubic yards of sand along 2.4 miles of eroding shoreline between the Department of Environmental Protection's DNR reference monuments R-90.4 and R-101.4 using sediment from two offshore borrow areas.

#### PERMIT HISTORY

Activity	Permit No.	Authorized Area	Issuance Date	Expiration Date
Beach Restoration	50-273953-9 and DBS9A0352- PB	R95A- R100A	8/28/1995	8/27/2005
Beach Expansion and Nourishment	0164713-001- JC	R90.4 – R101.4	5/14/2002	5/14/2012
Placement of Lake Worth Inlet maintenance material above MHW. No sand placed at Breaker's rock pile.	0164713-002- EM	R90.4 – R101.4	6/2/2006	5/14/2012
Beach construction turtle window extension (2006 event only)	0164713-003- EM	R90.4 – R101.4	2/28/2006	5/14/2012
FEMA truck haul partial nourishment event (TS Fay repair)	0164713-004- JN	R90.4 – R101.4	9/20/2010	5/14/2012
Vibracore sampling request in BA (deminims)	0164713-005- BE	NA	4/21/2011	5/14/2012
Authorization for use of UMAM for mitigation determination	0164713-006- JN	NA	7/22/2011	5/14/2012
Statutory time extension request	0164713-008- JN	Entire project	7/09/2012	5/14/2014

### SAND PLACEMENT HISTORY

<b>Date Completed</b>	<b>Volume</b>	<b>Placement area</b>
1995	800,000	
2003	1,273,100	R90.5 - R101 (2.1 miles)
2006	893,000	R90 – R94.2; R-94.5 – R101
2010	52,000	R96 – R100

#### 4. PHIPPS OCEAN PARK BEACH NOURISHMENT, TOWN OF PALM BEACH

This project involved a beach and dune nourishment in the Town of Palm Beach at Phipps Ocean Park (Reach 7) between DEP reference monuments R-119 and R-126, with a 250-foot taper section north of R-119. A dune will be constructed from 450 feet south of R-116 to 100 feet south of R-134. Approximately 1.5 million cubic yards of sand was dredged from two borrow areas located approximately 3,500 feet offshore and approximately 1.5 and 2.6 miles south of the fill area. A 3.1 acre artificial reef has been constructed as hardbottom mitigation.

#### PERMIT HISTORY

Activity	Permit No.	Authorized Area	Issuance Date	Expiration Date
Beach Restoration	0165332-001-JC	R116-R126	March 14, 2001	March 14, 2011
Variance to Sand Rule (course fraction)	0165332-002-	R116-R126	February 20, 2002	March 14, 2011
Mixing Zone variance	0165332-003	R116-R126	February 20, 2002	March 14, 2011
Relocate proposed Artificial Reef #1	0165332-004	R110-R111	March 29, 2004	March 14, 2011
Relocate proposed Artificial Reef #2	0165332-005	R110 - R111	May 10, 2004	March 14, 2011
Modify beach restoration length and add dune restoration	0165332-006	Berm- R119- R126 Dune- R116- R134	March 10, 2006	March 14, 2011
Permit night anchoring and modify mitigation, biological and turbidity monitoring	0165332-007	Berm- R119- R126 Dune- R116- R134	January 27, 2006	March 14, 2011



<b>Activity</b>	<b>Permit No.</b>	<b>Authorized Area</b>	<b>Issuance Date</b>	<b>Expiration Date</b>
Extension to construction window to complete dune construction	0165332-008	Berm- R119- R126 Dune- R116- R134	April 28, 2006	March 14,2011
Add nourishment event and upland sand source	0165332-009	Berm- R119- R125 Dune- R116- R119	November 4, 2010	March 14,2011
Create dune access	0165332-010	Berm- R119- R125 Dune- R116- R119	February 7, 2011	March 14,2011
De minimus for vibracores	0165332-012	Offshore R98- R108, R110- R120, R129-R139	October 21, 2011	October 21, 2012

**SAND PLACEMENT HISTORY**

<b>Date Completed</b>	<b>Volume</b>	<b>Placement area</b>
2006	1,100,000	Berm- R119-R126 Dune- R116- R129
2011	56,000	Dune- R129- R133

**5. BREAKERS HOTEL T-GROIN CONDITIONING, BREAKERS HOTEL**

PERMIT HISTORY

<b>Activity</b>	<b>Permit No.</b>	<b>Authorized Area</b>	<b>Issuance Date</b>	<b>Expiration Date</b>
Groin Reconditioning	0173170-001	R094	2/08/2001	5/01/2012
Groin Reconstruction	0173170-003	R094	1/27/2010	5/01/2012
Time Extension	0173170-005	R094	5/04/2010	5/01/2012