

# Chesapeake Bay Artificial Reef Sites, Placements since 1997

## Cedar Point Reef Site

REEF	CORNER COORDINATES		CENTER POINT		DEPTH	BOTTOM TYPE
	Latitude	Longitude	Latitude	Longitude		
Cedar Point	38°18.82	076°23.22	38°18.43	076°23.43	20'-27'	sand, sand with cultch
155 acres	38°19.03	076°23.03				
	38°18.53	076°22.40				
	38°18.67	076°22.25				

### History/Development

First permitted in August, 1986, placements from 1986 to 2004, permit renewed in 2000, 2005.

#### Placements (pre 1997)

Material	Date	Location #
24 FRP* modules	9/86	38 18.96? 76 23.05?
36 concrete prisms, 6 groups of 6	5/88	38 18.72? 76 22.84?
rock piles, 500 ton	10/88	38 18.58? 76 22.40?
scattered rock, 500 ton	10/88	38 18.70? 76 22.40?
tire units	1989	?

#### Placements (MES)

	Date	Location #
50 Reef Balls:	11/04	38 18.79'
18 Pallet Balls, 32 Bay Balls		76 22.55'
28 Reef Balls:	11/04	38 18.66'
8 Bay Balls, 20 Mini Bay Balls		76 22.67'

\* fiberglass reinforced plastic

# Approx. center point

# Chesapeake Bay Fish Reef Sites

## Gales Lump Reef Site

REEF Name, acres	CORNER COORDINATES		CENTER POINT		DEPTH	BOTTOM TYPE
	Latitude	Longitude	Latitude	Longitude		
<b>Gales Lumps</b>	39°13.78	076°16.92	39°13.25	076°16.40	15-23'	silt with shell
<b>1550 acres</b>	39°13.20	076°15.75				
	39°12.72	076°15.88				
	39°12.88	076°16.38				
	39°13.42	076°17.17				

### History/Development

First permitted in August, 1989, placements from 1989 to 2004, permit renewed in 2000, 2005.

#### Placements (pre 1997)

Material	Date	Location
Concrete pipe	Jun-89	39 12.77? 76 15.92?

#### Placements (1997-2004)

Material	Date	Location
Bridge sections, 3120 tons	Feb-99	39 13.44' 76 14.84'
Concrete girders, 1000 tons	Mar-00	39 12.84' 76 16.09'
Concrete piers, 400 tons	Jun-02	39 12.10' 76 16.09'

# Maryland Chesapeake Bay Fish Reef Sites, 2006

## Hackett Point

REEF	CORNER COORDINATES		CENTER POINT		DEPTH	BOTTOM TYPE
<b>Hackett Point (Dolly's Lump)</b>	Latitude	Longitude				
50 acres	38°59.53	076°24.23	38°59.40	076°24.17	20'-30'	clay, clay with cultch
	38°59.53	076°23.99				
	38°59.42	076°24.35				
	38°59.27	076°24.99				
	38°59.27	076°23.35				

## History/Development

First permitted in May, 1967, ammended in 1998, permit renewed in 2000 and 2005.

## Placements (pre 1997)

Material	Date	Location
Oyster shell	?	unknown
Concrete pipe	1968	unknown

## Placements (MES)

140 Reef Balls	Aug-06	38 59.467 76 24.235
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# Chesapeake Bay Artificial Reef Sites

## Holland Point Reef

REEF	CORNER COORDINATES		CENTER POINT		DEPTH	BOTTOM TYPE
	Latitude	Longitude	Latitude	Longitude		
Holland Point						
81 acres	38*45.00	076*29.20	38*44.60	076*29.07	32'-34'	mud, silty
	38*45.00	076*29.02				
	38*44.35	076*29.20				
	38*44.35	072*29.02				

### History/Development

First permitted in June, 1986, FAD\* installed in July, 1986, lasted less than two years, permit renewed in 2000, 2005.

### Placements (pre 1997):

Material	Date	Location
FADs	1986	length of site

### Placements (1997-2004):

Approx. 400 ft. linear reef running east to west composed of 5,200 tons concrete rubble, monotubes	April to June 04	Start:
		38 44.43'
		76 29.02'
	Finish:	38 44.42'
76 29.14'		

FAD: Fish Attraction Device

# Maryland Chesapeake Bay Artificial Reef Sites

## Hollicuts Noose

REEF	CORNER COORDINATES		CENTER POINT		DEPTH	BOTTOM TYPE
	<u>Latitude</u>	<u>Longitude</u>	<u>Latitude</u>	<u>Longitude</u>		
Hollicutt's Noose	38*50.64	076°20.75	38°50.51	076°20.57	12'-30'	sand, sand with shell
50 acres	38*50.64	076°20.39				
	35*50.38	076°20.75				
	38*50.38	076°20.39				

## History/Development

First permitted in August, 1966, placements from 1968 till 2004, permit renewed in 2000, 2005.

### Placements (pre 1997)

Material	Date	Location
Miles River Bridge	1985	unknown
Scotchman's Creek Bridge	1985	unknown
Gold Bond Pier	1985	unknown
Steel tug cut up	?	unknown
Vessels	?	unknown
Tire units	?	unknown
Concrete cubes	?	unknown

### Placements (MES)

Material	Date	Location (centerpoint)
32 Reef Balls: 2 pallet, 14 bay, 14 mini bay, 2 low-pro (placed in a circular pattern around centerpoint)	4-Nov	38 50.53' 76 20.50'
27 Reef Balls with spat	Sep-05	38 50.631' 76 20.666'
42 Reef Balls	Sep-05	38 50.629' 76 20.667'

## Chesapeake Bay Artificial Reef Sites

### Little Cove Point

REEF	CORNER COORDINATES		CENTER POINT		DEPTH	BOTTOM TYPE
<b>Little Cove Point</b>	Latitude	Longitude	Latitude	Longitude		
74.6 acres	38*20.66	076*22.98	38*20.53	076*22.80	20'-25'	ilty sand with shell, muc
	38*20.66	076*22.63				
	38*20.40	076*22.98				
	38*20.40	076*22.63				

#### History/Development

First permitted in August 1986, placements from 1968 to 2004, permit renewed in 2000, 2005.

#### Placements (pre 1997)

Material	Date	Location
barge	?	?
tire units	1968	unknown
2,000 cy oyster shell	1996	unknown

#### Placements (MES)

400 tons concrete rubble	Jan-03	38 20.49' 76 22.82'
7 bridge caps, 300 tons, approx. 40'x8'x10':	Oct-03	38 20.42' 76 22.67'
20 Reef Balls 20 Mini Bay Balls	Nov-03	38 20.42' 76 22.70'
22 Reef Balls 20 Mini Bay Balls, 2 Lo Pro	Nov-03	38 20.40' 76 22.70'
40 Reef Balls 40 Bay Balls	Nov-03	38 20.50' 76 22.82'

## Chesapeake Bay Fish Reef Sites

### Love Point Reef Site

REEF Name, acres	CORNER COORDINATES		CENTER POINT		DEPTH	BOTTOM TYPE
	Latitude	Longitude	Latitude	Longitude	Feet	
<b>Love Point</b> 50 acres	39*04.21	076*17.63	39*04.08	076*17.45	20'-28'	silty clay, sand
	39*04.21	076*17.27				
	39*03.95	076*17.63				
	39*03.95	076*17.27				

### History/Development

First permitted in August, 1967, placements in 1968 and 1991, permit renewed in 2000, 2005.

### Placements (pre 1997)

Material	Date	Location
400 tire units	1968, 1991	scattered

### Placements (MES)

110 Bay bridge pans	Mar-04	38 04.07' 76 17.35'
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# Chesapeake Bay Fish Reef Sites

## Plum Point Reef Site

REEF Name, acres	CORNER COORDINATES		CENTER POINT		DEPTH Feet	BOTTOM TYPE
	Latitude	Longitude	Latitude	Longitude		
<b>Plum Point</b> 3443.5 acres	38*39.03	076*30.00	38*37.19	076*29.36	25'-35'	sand, silty sand, clay, clayey sand
	38*39.03	076*29.32				
	38*38.65	076*29.18				
	38*35.73	076*28.70				
	38*35.35	076*28.73				
	38*35.35	076*30.00				

### History/Development

First permitted in Sep.1993, placements from 1994 to 2004, permit renewed in 2000, 2005.

Placements (pre 1997)	Date	Location
Vessel	unknown	unknown
500 concrete cubes	1994	scattered
4 barge loads, culvert pipe	1995	unknown
3 100 ton concrete blocks	1995	unknown
50,000 cy shell	1996	unknown
600? concrete cubes	1996	scattered
Placements (1997-2006)	Date	Location
6 bridge sections, 8'x10x90'	Aug-03	38 36.17' 76 28.96'
6 bridge sections, 8'x10x90'	Aug-03	38 39.23' 76 28.84'



# Chesapeake Bay Fish Reef Sites

## Point No Point Reef Site

	<b>CORNER COORDINATES</b>	<b>CENTER POINT</b>	<b>DEPTH</b>	<b>BOTTOM TYPE</b>	
<b>Point No Point</b>	38°07.71	076°18.30	38*06.85 076*17.85	30'-35'	sand, silty sand
1059 acres	38°07.71	076°17.40			
	38°06.00	076°18.30			
	38°06.00	076°17.40			

### History/Development

First permitted in Sep.1993, placements from 1994 to 2004, permit renewed in 2000, 2005.

<b>Placements (pre 1997)</b>	<b>Date</b>	<b>Location</b>
Vessels	unknown	unknown
<b>Placements (1997-2006)</b>	<b>Date</b>	<b>Location</b>
2,400 tons from WWB	Aug, Sept. 06	38 06.206' 76 17.535'

# Chesapeake Bay Fish Reef Sites

## Taylor's Island Reef Site

REEF Name, acres	CORNER COORDINATES		CENTER POINT		DEPTH Feet	BOTTOM TYPE
	Latitude	Longitude	Latitude	Longitude		
Taylor's Island	38°28.10	076°21.70	38°27.88	76°21.43	40'-60'	mud
155 acres	38°28.13	076°21.55				
	38°27.62	076°21.17				
	38°27.55	076°21.33				

### History/Development

First permitted in August, 1986, deep site for FADS, never deployed, re permitted in 2000, 2005 placements suspended until site can be expanded to the east to shallow depths and firmer bottom

### Placements (MES)

Material	Date	Location
8 bridge sections, 8'x10x90'	10/02	38 27.65' 76 21.21'
4 bridge sections, 8'x10x90'	10/02	38 27.63' 76 21.19'
5 bridge caps, 5'x3'x40', assorted steel beams	8/03	38 27.98' 76 21.45'
barge, 15'x50'x90'	8/03	38 27.97' 76 21.45'

# Chesapeake Bay Artificial Reef Sites

## Tilghman Island Reef Site

REEF	CORNER COORDINATES		CENTER POINT		DEPTH	BOTTOM TYPE
	Latitude	Longitude	Latitude	Longitude		
Tilghman Island	38°41.80	076°22.88	38*41.51	076*22.65	20'-25'	sand, sand with cultch
107 acres	38°41.80	076°22.43				
	38°41.30	076°22.88				
	38°41.30	076°22.43				

### History/Development

First permitted in 1987, placements from 1991 to 2004, permit renewed in 2000, 2005, expanded to 107 acres in 2001

#### Placements (pre 1997):

	Date	Location*
Ferry	1991	?
Bridge	1992	38 41.39' 76 22.66'
Tire units	1992	NW sec.
Stone piles	1987	?

#### Placements (1997-2004):

Assorted concrete rubble, tubes, steel conex box	Jan-99	38 41.70' 76 22.83'
4,250 tons concrete rubble and monotubes Approx. 300 yd. linear reef running east to west	Mar-04	Start: 38 41.36' 76 22.58' Finish: 38 41.32' 76 22.80'
14 Reef Balls 1 Pallet, 8 Bay, 4 Mini, 1 Lo Pro * center point	Nov-04	38 41.58' 76 22.83'