

	A	B	C	D	E	F	G	H	I	J	K
1	Project Name	Region	Dates	Site(s)	Materials	Tonnage	Cubic Yards	Acres	Cost to MARI(\$)	Notes on Cost	General Notes
2	Woodrow Wilson Bridge	BAY	2006-2008	Point No Point, Lower Tangier Sound, Cedar Pt., Gooses, Hog Is (PRFC)	Concrete & Steel bridge sections, jersey barriers, deck slabs, pilings, post blast rubble	55,069	27,193	50	\$1,328,854.09		Acres are estimated, MARI was not calculating exact acreage during this project. Project size was measured in tons of material deployed
3	Cook Pt Reef Balls	BAY	2007-2012	Cook Pt Sanctuary, Choptank R.	1411 Mini-Bay Concrete Reef Balls	141	70	8	\$0.00	DNR paid staff time for one DNR staff to monitor deployments	Reef balls deployed by CBF under a DNR alternate materials permit. Reef balls overseeded with spat-on-shell by CBF
4	NYC Subway Cars	OCEAN	2008	Ocean reef sites permitted under Town of Ocean City, Isle of Wight Shoals, Jack Spot, etc.	Retired NYC Stainless steel subway cars	3,517		3	\$4,500.00	DNR paid for administrative staff time to monitor deployments and MARI paid portion of cost for post-deployment MGS side scan sonar survey. Cost for material and transport was paid by Town of OC/OCRF.	Dimensions of subway cars 60 ft long X 10 ft wide X 12 ft high. Weight = 79,930 lb each intact, and 39,965 lb after stripping/cleaning
5	Asquith (Severn River)	BAY	2008	Off Asquith Crk Mouth, Severn River	Pulverized concrete bridge rubble (MdTA)	5,063	2,500	3	\$0.00	CBF obtained grant for the project, MDTA funded expansion of the project up to 3 acres with recycled concrete from the Bay Bridge re-decking. DNR paid 1-2 staff (staff time) to monitor deployments.	Base concrete material was overseeded with spat-on-shell by CBF
6	Severn River Oyster Reef	BAY	2009-2010	Designated alt materials sites with Army Corps, between Rt.50 Bridge and Naval Academy Bridge	Concrete pavers from NSA property near Fort Meade			2	\$0.00	Corps staff and contractors monitored deployment. DNR paid staff time for DNR reef coordinator to locate material and modify/add-on to Corps project.	Piggybacked on contract with Army Corps of engineers. Material was trucked by NSA contractor to a marine contractor in Baltimore area (Corman-lmbach), then barged to Severn River.
7	USS Radford	OCEAN	2009-2011	Del-Jersey-Land Reef approx 27 miles E of Fenwick Is., 30 miles NE of OC Inlet	Steel ship-retired navy destroyer	8,040		1	\$40,000.00	MARI paid 40K and the remaining costs were paid by DE and NJ	Total area of Del-Jersey-Land Reef is 1.46 Sq miles. Dimension of ship is 563 ft long X 55 ft wide (beam) X draft 29 feet. Height is 60 feet
8	Dominion at Gooses Reef	BAY	2010	Gooses Reef	Concrete blocks and slabs from LNG Gas Docks, Calvert	500	247	5	\$0.00	Material was donated by Dominion. DNR paid staff time for 1 DNR staff to monitor deployments in field.	Concrete was donated by Dominion, deployed by Weeks Marine

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9	Simpkins Dam	BAY	2011	Off Swan Pt	Pulverized concrete material from Simkins Dam	3,050	2,933	2	\$0.00	CBF and NOAA paid for material and contractor and provided logistical support. DNR paid two staff to manage permits and to monitor 3 days of deployments in the field.	Base concrete material was overseeded with spat-on-shell by CBF
10	Hail Cove Reef	BAY	2009-14	Lower Chester/Eastern Neck	Crushed granite	1,000	700	2	\$40,000.00	Half the cost (40K) was paid by MARI, and the other half was paid by USFWS, CCA and other partners	Shallow water reef off Eastern Neck shoreline
11	Bill Burton Fishing Pier	BAY	2013-14	Talbot and Dorchester Side of Choptank River at Cambridge-adjacent to Bill Burton Fishing Piers	540 mini-bay concrete reefballs	54	27	1	\$0.00	DNR paid staff time for one DNR staff to monitor 2013-14 deployments and to manage permits.	Reefballs built by MSSA and CBF, deployed by CBF under DNR Artificial Fish Reef permit
12	Love Point Boulder Reef	BAY	2014	Love Point Fish Haven	Large granite boulder	1,000	719	2	\$70,430.00		
13	Benedictine School Donation	BAY	2015	Tilghman	Concrete chunks from playground	70	35	1	Unknown	DNR Construction did the job,, reimbursed by MARI	Completed July 2015
14	Dominion-Cove Pt	BAY	2015 (July-Aug)	Taylor Is.	Concrete slabs and rubble	1,200	600	2	\$0.00	Cost paid by Dominion	
15	Love Point/Mar. Tech.	BAY	2016 (June)	Love Point	Concrete beams, blocks, and pilings	555	278		\$0.00		MARI was not calculating area during this deployment. Estimated area < 1 acre, approx. 5,000 square ft.
16	Love Point/McLean	BAY	2016 (July)	Love Point	Concrete slabs and rubble	1,075	540		\$18,000.00		MARI was not calculating area during this deployment. Estimated area < 1 acre, approx. 2500 square ft.

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17	Tilghman Reefball Deployment	BAY	2016 (July)	Tilghman Island	72 Mini Bay-balls	5	3		\$0.00	Costs paid by CCA MD	Tonnage and cubic yards estimated.
18	Memorial Stadium Reef	BAY	2002-Ongoing	Designated reef ball site within Gales Lump Sanctuary, known as "Memorial Stadium Reef"	2000 Low-pro concrete reef balls	130	64	3	\$0.00	Since 2009, DNR paid staff time for two DNR staff to monitor annual deployments and to manage permits.	Reefballs built by MSSA, CBF, Stevenson U, local schools and boy scouts. Deployed by CBF under DNR Alternate Materials permit, Reef is near capacity.
19	Recent OCRF Projects	OCEAN	2012-2015	Ocean reef sites permitted under Town of Ocean City, Isle of Wight Shoals, Bass Grounds, Jack Spot, etc.	Coral castle concrete blocks, recycled scrap concrete and pipes, steel vessels	1,700	800		\$55,500.00	Most of the cost for ocean reef projects paid by OCRF, since 1997.	Total acreage of OCRF material not known. Tonnage estimate 2012 thru April 2015.
20	Cedar Pt (upcoming, September 2016)	BAY	2016 (Sept.)	Cedar Point	Concrete slabs and rubble	600	300		\$0.00	Costs paid by Dominion	Planned for September 2016
21	Tangier Sound (Tentative)	BAY	Fall 2016	Tangier Sound	Concrete pipe	??	??	??	??	Costs to be split between MARI and CCA	Proposed project to place donated precast concrete pipes at Tangier Sound reef site. Pending review and approval process
22	Calvert Cliffs Power Plant Donation (Tentative)	BAY	Winter 2016	Plum Point	10-14 steel bulkhead panels, concrete dock material	~500?	??	??	?0?	Exelon to provide funding.	Pending review and approval process. Project tentatively scheduled for December 2016.
23											
24	Totals:					82,769	37,008	85	\$1,557,284.09	All projects including pending	
25											
26	Completed										
27	Active/Ongoing										
28	Approved										
29	Pending										