

## MIAMI-DADE COUNTY ARTIFICIAL REEF PROGRAM DATABASE

Material listed by SITE (north to south) and DATE deployed (earliest to most recent). GPS coordinates in degrees, decimal minutes.

SITE	NAME	DESCRIPTION	DATE	DEPTH	RELIEF	LAT (N)	LONG (W)
<b>INSHORE (BISCAYNE BAY) ARTIFICIAL REEFS</b>							
<b>Dumfoundling Bay</b>	unnamed	2889 tons limestone, tanks, drums, 4 vessels	Dec-85	45'	20'	25 56.927	80 07.767
	6 at Sea	34' Aluminum Coast Guard Vessel	Mar-04	30'	10'	25 56.915	80 07.782
	Miami Beach Seawall Barge	100' X 30' Steel Barge	Apr-08	35'	6.5'	25 56.939	80 07.713
	DFB Boulder Reef	1000 tons of limestone boulders	Oct-08	35'	15'	25 56.939	80 07.715
	Two Islands Mitigation	10,125 tons of concrete	Mar-10	38'	18'	25 56.950	80 07.425
<b>Greynolds Park</b>	unnamed	382 tons of limestone boulders	Dec-87	10'	4'	25 55.750	80 09.000
<b>Oleta River State Park</b>	unnamed	2900 tons of limestone boulders	Dec-91	8'	2'	25 54.433	80 08.003
	Eagle Scout Project	5 reef balls	Nov-05	13'	4'	25 54.439	80 08.009
	Girl Scout Project	13 reef balls	Mar-06	13'	4'	25 54.385	80 08.000
	Dock & Marine Concrete	108 tons of concrete seawall pieces	Mar-10	15'	3'	25 54.373	80 08.015
	Eagle Scout Project #2	7 reef balls	Jun-10	14'	2'	25 54.374	80 08.011
	Bring Back the Reefs #1	100 tons of limestone boulders	Jan-11	13'	4'	25 54.374	80 08.009
	Broward College	5 reef balls	Feb-15	16	2'	25 54.369	80 08.010
<b>North Bayshore Park</b>	unnamed	Concrete Culverts (Pipe and Rubble)	Dec-91	7'		25 53.331	80 09.036
<b>San Souci</b>	unnamed	3611 tons of Limestone Boulders	Dec-91	25'	10'	25 52.959	80 09.268
<b>Pelican Harbor</b>	unnamed	Concrete Culverts	Dec-79	7'	3'	25 50.450	80 10.000
<b>Julia Tuttle</b>	unnamed	Misc, MacArthur, Venetian and 2nd Ave Bridges	Nov-01	28'	11'	25 48.850	80 09.875
	Met Wreck Barge	Met Wreck Barge	Oct-05	23'	8'	25 48.840	80 09.830
	unnamed	Concrete Pilings	May-06	21'	6'	25 48.779	80 10.009
	5th St. Bridge & Latitude Mitigation	Bridge Material and Limestone Boulders	Mar-07	22'	8'	25 48.889	80 09.907
	RSMAS Dock - Phase I	Concrete dock pilings and slabs	Feb-08	17	5	25 48.857	80 09.946
	Sonny's Reef	Concrete Pilings	Jun-08	18'	5'	25 48.868	80 09.919
	RSMAS Dock - Phase II	Concrete dock pilings and slabs	Jul-08	17'	3'	25 48.860	80 09.919
	Bunnell Seawall	Concrete seawall pieces	Sep-08	19'	3'	25 48.841	80 09.943
	2010 School Steps	Concrete steps and ramps	Aug-10	24'	8'	25 48.891	80 10.146
	Rickenbacker Demo Phase 2 & 3	Concrete bridge material and 300 tons limerock boulders	Apr-11	25'	13'	25 48.879	80 10.148
	POM Wharf Mitigation	1873 reefballs	Jan-14	25'	4'	25 48.806	80 09.990
	Dock & Marine Concrete - 2014	Concrete dock pilings and slabs	May-14	26'	3'	25 48.896	80 10.131
	2015 Concrete	Concrete sewer junction boxes	Apr-15	26'	5'	25 48.880	80 10.165
	Elliot Pier	Concrete dock slabs	Apr-15	26'	4'	25 48.884	80 10.164
	Dock & Marine Concrete - 2015	Concrete Discs, Slabs, Piling, & Piling Ends	Dec-15	26'	8'	25 48.893	80 10.135
	Venetian Demo	Venetian Brdge - ~7,000 tons concrete bridge	Dec-15	26'	14'	25 48.784	80 10.228
	Dock & Marine - 2016	Concrete Slabs, Pilings, & Piling Ends	Jan-16	24'	7'	25 48.799	80 10.049
	Dock & Marine - 2018	Concrete Slabs & Pilings	Feb-18	24'	7'	25 48.801	80 10.069
	Larson Barge	80'x 30' barge	Jun-18	32'	10'	25 48.899	80 10.269
	Monty's Pier	Concrete Pier- ~1192 tons concrete material	Jun-18	23'	7'	25 48.810	80 09.870
	2018-19 Boulders	727 tons limerock boulders	Apr-19	32	17'	25 48.899	80 10.269
	Dock & Marine 2019	~45 tons concrete slabs & pilings	Dec-19	32	17'	25 48.899	80 10.269
FDOT SW 1st Bridge - Phase 1	~736 tons concrete piles	Feb-20	27'	8'	25 48.860	80 10.228	

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<b>INSHORE (BISCAYNE BAY) ARTIFICIAL REEFS</b>							
<b>Julia Tuttle (cont.)</b>	Dinner Key Pier - Phase 1	~2316 tons concrete pier	Feb-20	23'	9'	25 48.806	80 10.251
	Bentley Bay Pier	Concrete dock material	Dec-22	27	8	25 48.846	80 10.231
<b>Star Island</b>	unnamed	Bridge Material and Limestone Boulders	1993	12'	8'	25 46.434	80 09.078
<b>Brickell</b>	unnamed	3370 tons rock limestone	Dec-91	12'	6'	25 44.916	80 11.783
	Rickenbacker Fishing Pier Demo Phase 1	10,475 tons of concrete bridge material	Feb-11	14'	8'	25 44.948	80 11.764
	Flagstone Island Gardens Mitigation	2,159 reefballs	Jun-16	14'	7'	25 44.913	80 11.849
	Fisher Island Rip Rap	(in progress)					
<b>Rickenbacker Causeway</b>	unnamed	Concrete Rubble- Piles & Limestone boulders	Dec-86	10'		25 44.750	80 10.883
<b>Mercy Hospital</b>	unnamed	Concrete Rubble, vessels, concrete beams	Dec-84	10'	4'	25 44.283	80 12.700
	Bay Harbor Mitigation	Concrete, steel, limestone boulders	Jun-06	13'	7'	25 44.275	80 12.589
	Bicentennial Park Mitigation	Limestone Boulders	Jul-07	13'	7'	25 44.289	80 12.594
	Mercy AR 2010 Pre-Cast	Pre-Cast Concrete	Jun-10	13'	7'	25 44.290	80 12.606
	Mercy AR 2010 Boulders	1620 tons Limerock Boulders	Jun-10	13'	7'	25 44.330	80 12.531
	Mercy Connection A	~110 tons of limerock boulders and ~65 tons of concrete	Jul-11	12'	6'	25 44.339	80 12.610
	Mercy Connection B	~110 tons of limerock boulders and ~65 tons of concrete	Jul-11	12'	6'	25 44.328	80 12.599
<b>OFFSHORE ARTIFICIAL REEFS</b>							
<b>TENNECO</b>	Middle Tenneco	decommissioned oil rig platform structures	Oct-85	110	45	25 58.936	80 05.126
	West Tennecos	decommissioned oil rig platform structures	Oct-85	105	30	25 58.933	80 05.197
	Deep Tennecos	2 tower structures	Oct-85	185	80	25 58.901	80 04.799
	Cruz Del Sur	287' steel ship	Dec-86	240	95	25 58.161	80 04.619
<b>GOLDEN BEACH</b>	Golden Reef #1	Limestone boulder pile ~300T	Jan-05	45	13	25 57.760	80 05.865
	Golden Reef #2	Limestone boulder pile ~300T	Jan-05	45	12	25 57.752	80 05.868
	Golden Reef #3	Limestone boulder pile ~250T	Jan-05	45	9	25 57.761	80 05.885
	Eternal Reefs #1	12 memorial reef balls	Feb-06	43	4	25 57.755	80 05.870
	Girl Scout Reef Balls	10 reef balls	Mar-06	43	4	25 57.785	80 05.870
	Eternal Reefs #2	7 memorial reef balls	Aug-06	43	4	25 57.755	80 05.872
	Eternal Reefs #3	10 memorial reef balls	Jan-07	43	4	25 57.762	80 05.877
	Eternal Reefs #4	5 memorial reef balls	Apr-07	43	4	25 57.750	80 05.884
	Eternal Reefs #5	12 memorial reef balls	Aug-07	43	4	25 57.744	80 05.874
	Eternal Reefs #6	10 memorial reef balls	Feb-08	41	4	25 57.767	80 05.877
	Eternal Reefs #7	9 memorial reef balls	Jul-08	43	4	25 57.761	80 05.881
	Eternal Reefs #8	6 memorial reef balls	Feb-09	43	3	25 57.757	80 05.871
	Eternal Reefs #9	9 memorial reef balls	Jul-09	43	3	25 57.779	80 05.877
	Eternal Reefs #10	6 memorial reef balls	Mar-10	43	3	25 57.768	80 05.868
	Eternal Reefs #11	5 memorial reef balls	Feb-11	43	4	25 57.785	80 05.885
	Eternal Reefs #12	6 memorial reef balls	Jul-11	43	4	25 57.771	80 05.864
	Eternal Reefs #13	5 memorial reef balls	Feb-12	43	3	25 57.772	80 05.884
	Eternal Reefs #14	6 memorial reef balls	Aug-12	43	4	25 57.777	80 05.884
	Eternal Reefs #15	7 memorial reef balls	Feb-13	42	4	25 57.792	80 05.874
Eternal Reefs #17	3 memorial reef balls	Feb-14	43	3	25 57.780	80 05.872	
Eternal Reefs #18	4 memorial reef balls	Jun-14	43	3	25 57.740	80 05.891	
Eternal Reefs #19	8 memorial reef balls	Feb-15	43	3	25 57.787	80 05.869	

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<b>OFFSHORE ARTIFICIAL REEFS</b>							
<b>GOLDEN BEACH (cont.)</b>	Broward College	4 reef balls	Feb-15	43	4	25 57.784	80 05.879
	Eternal Reefs #20	6 memorial reef balls	Jun-15	43	4	25 57.749	80 05.900
	Eternal Reefs #21	5 memorial reef balls	Feb-16	44	3	25 57.768	80 05.899
	Eternal Reefs #22	10 memorial reef balls	Jun-16	43	4	25 57.774	80 05.895
	Eternal Reefs #23	8 memorial reef balls	Jan-17	43	4	25 57.738	80 05.883
	Eternal Reefs #24	16 memorial reef balls	Jun-17	43	4	25 57.738	80 05.865
	Eternal Reefs #25	3 memorial reef balls	Oct-17	43	4	25.57.733	80.05.882
	Eternal Reefs #26	2 memorial reef balls	Feb-18	43	4	25 57.735	80 05.864
	Eternal Reefs #27	7 memorial reef balls	Jun-18	43	4	25 57.785	80 05.895
	Eternal Reefs #28	5 memorial reef balls	Oct-18	43	4	25 57.732	80 05.882
	Eternal Reefs #29	11 memorial reef balls	Feb-19	43	4	24 57.725	79 05.873
	Eternal Reefs #30	9 memorial reef balls	Jun-19	43	4	25 57.729	80 05.872
	Eternal Reefs #31	5 memorial reef balls	Oct-19	43	4	25 57.726	80 05.896
	Eternal Reef #32	9 memorial reef balls	Feb-20	43	4	25 57.726	80 05.896
	Eternal Reefs #33	18 memorial reef balls	Mar-21	45	4	25 57.730	80 05.860
	Eternal Reefs #34	10 memorial reef balls	Jun-21	45	4	25 57.729	80 05.897
	Eternal Reef #35	13 memorial reef balls	Sep-21	43	4	25 57.721	80 05.884
	Eternal Reef #36	6 memorial reef balls	Oct-21	43	4	25 57.733	80 05.888
	Eternal Reef #37	8 memorial reef balls	Jan-22	43	4	25 57.733	80 05.888
	Eternal Reef #38	7 memorial reef balls	Apr-22	43	4	25 57.770	80 05.891
	Eternal Reefs #39	11 memorial reef balls	Jun-22	45	4	25 57.785	80 05.888
	Eternal Reefs #40	14 memorial reef balls	Oct-22	45	4	25 57.775	80 05.890
	Eternal Reefs #41	6 memorial reef balls	Jan-23	45	4	25 57.744	80 05.886
Eternal Reefs #42	2 memorial reef balls	Feb-23	45	4	25 57.744	80 05.886	
Eternal Reefs #43	4 memorial reef balls	Mar-23	45	4	25 57.746	80 05.889	
<b>SUNNY ISLES MITIGATION</b>	SIRON Site 1 (north end)	80 modules- M2, RR, & Dome Type	Aug-91	60	5	25 57.046	80 05.587
	SIRON Site 1 (south end)	81 modules- M2, RR, & Dome Type	Aug-91	60	5	25 56.831	80 05.593
	SIRON Site 2 (north end)	20 modules (Dome and RR)	Aug-91	60	5	25 56.290	80 05.643
	SIRON Site 2 (south end)	20 modules (Dome and RR)	Aug-91	60	5	25 56.208	80 05.635
<b>SUNNY ISLES</b>	C-One	105' steel tug	Nov-90	68	25	25 54.534	80 05.407
	Concepcion (stern section)	150' steel ship	Jun-91	68	20	25 54.579	80 05.408
	Concepcion (bow section)	150' steel ship	Jun-91	68	10	25 54.558	80 05.390
	unnamed	320 tons of concrete pipe	Jul-91	68	12	25 54.532	80 05.356
	Sunny Isles Offsite Mit. Reef	1500 tons boulder & 50 DERM modules	Mar-93	68	5	25 54.463	80 05.377
	White Coast	38' steel tug	May-95	68	10	25 54.540	80 05.396
	Bal Harbour Mit. modules	64 DERM concrete modules	Oct-96	68'	5'	25 54.316	80 05.393
	Bal Harbour Mit. boulders	5,000 tons limestone boulders	Apr-99	68	10	25 54.131	80 05.384
	Bal Harbour Mit. Modules	NW Corner of 176 DERM concrete modules	May-99	68	5	25 54.180	80 05.403
	Bal Harbour Mit. Modules	NE Corner of 176 DERM concrete modules	May-99	68	5	25 54.180	80 05.365
	Bal Harbour Mit. Modules	SW Corner of 176 DERM concrete modules	May-99	68	5	25 54.082	80 05.404
	Bal Harbour Mit. Modules	SE Corner of 176 DERM concrete modules	May-99	68	5	25 54.081	80 05.365
	Lady Carmen	45' steel tug	Jul-99	65	15	25 54.520	80 05.441
	Timothy Allen Reed	80' deck barge	Dec-99	65	10	25 54.492	80 05.428
	ARCOS 1 Mitigation Reef	270 tons of limestone boulders	Aug-01	68	5	25 54.288	80 05.388

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<b>OFFSHORE ARTIFICIAL REEFS</b>							
<b>SUNNY ISLES (cont.)</b>	Eternal Reefs #16	4 memorial reef balls	Jun-13	69	3	<b>25 54.575</b>	<b>80 05.370</b>
<b>HAULOVER</b>	Liberty Ship (O.L. Bodenhamer)	450' steel ship	May-76	365	32	<b>25 53.874</b>	<b>80 04.308</b>
	unnamed	35' wood boat	Nov-85			not	available
	Andro	165' steel ship	Dec-85	104	25	<b>25 53.622</b>	<b>80 05.126</b>
	unnamed	30' wood boat	Dec-85			not	available
	unnamed	40' fiberglass boat	Dec-85			not	available
	Narwal	137' steel ship	Apr-86	115	18	<b>25 54.636</b>	<b>80 05.055</b>
	unnamed	360 tons of concrete pipe	May-87	120	8	not	available
	Rossmerry	195' steel ship	Oct-87	240	20	<b>25 54.253</b>	<b>80 04.623</b>
	unnamed	50 tons of concrete pipe	Jun-89	338	4	not	available
	unnamed	660 tons of concrete culvert	Jul-89	130		south of unnamed barge	
	Capeletti Barge	~60' barge	Jul-90	130	5	<b>25 53.412</b>	<b>80 05.079</b>
	Largo Barge	60' barge	Jun-95	180		<b>25 54.400</b>	<b>80 04.782</b>
	Nick Comoglio (formerly Merci Rabi)	90' steel ship	Jan-97	170	20	<b>25 54.537</b>	<b>80 04.847</b>
	Shark	82' cargo tug	Sep-10	255	21	<b>25 54.476</b>	<b>80 04.587</b>
Catharina	71' sailing vessel	Sep-10	284	14	<b>25 54.943</b>	<b>80 04.524</b>	
<b>PFLUEGER</b>	LCI	150' steel hull	Oct-69	202	5	not	available
	unnamed	Steel dredge pipes	Mar-70	204	3	not	available
	Lotus	110' steel ship	Feb-71	218	15	<b>25 50.957</b>	<b>80 04.647</b>
	Pimellous	120' steel ship	May-71	135	15	<b>25 50.148</b>	<b>80 04.936</b>
	Mine Sweeper	177' wooden vessel	Jun-71	180		not	available
	Hopper Barge	175' steel barge	Dec-71	234		not	available
	Fire Boat	110' steel ship	Jun-73	222	12	not	available
	West End	110' steel hull	Jul-73	228		not	available
	Deep Freeze	210' steel ship	Oct-76	135	25	<b>25 49.291</b>	<b>80 04.955</b>
	Dry Docks	Steel pontoon dry docks	Dec-78	330		not	available
	San Raphael	Steel ship	Dec-80	282		not	available
	Walka Q	200' steel ship	Dec-80	282		not	available
	Ostwind	80' steel hull	Jun-89	275	14	not	available
	Raychel	164' salvaged steel ship	Jul-91	185	20	<b>25 49.212</b>	<b>80 04.764</b>
	Tortuga	165' steel ship	Apr-95	110	40	<b>25 49.262</b>	<b>80 05.087</b>
	St. Henry's Express	120' steel ship	Feb-97	113	20	<b>25 49.322</b>	<b>80 05.097</b>
	Betek Ar Pen	70' steel dive boat	Jun-97	110	15	<b>25 49.356</b>	<b>80 05.110</b>
	Gimrock 697 Barge carrying Water Tower	195' steel scow barge	Jun-97	170	25	<b>25 49.499</b>	<b>80 04.855</b>
	South Point Water Tower Reef	45' steel water tower	Jun-97	170	65	<b>25 49.492</b>	<b>80 04.839</b>
	Gimrock 898/ Atlas Recycling Barge	195' steel hopper barge	Aug-98	112	19	<b>25 49.234</b>	<b>80 05.077</b>
Cleve Jones, Sr. (formerly Jupiter Star)	232' steel freighter	Aug-01	155	40	<b>25 48.969</b>	<b>80 04.871</b>	
Gimrock 402 Barge	120' steel deck barge	Apr-02	111	9	<b>25 49.353</b>	<b>80 05.057</b>	
Pascagoula	120' steel deck barge	Oct-02	180	8	<b>25 49.150</b>	<b>80 04.745</b>	
<b>ANCHORAGE</b>	Shamrock	120' steel	Jun-85	44	15	<b>25 48.619</b>	<b>80 05.607</b>
	John C. Koppin Memorial (Billy's Barge)	100' steel barge	Oct-85	45	7	<b>25 48.767</b>	<b>80 05.419</b>

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<b>OFFSHORE ARTIFICIAL REEFS</b>							
<b>ANCHORAGE (cont.)</b>	Bridge Beams	Six 90' "I" beams	Dec-86	48	7	25 48.837	80 05.545
	unnamed	360 tons of concrete pipe	Sep-87	51	8	25 48.615	80 05.532
	Radio Tower Pyramids	19 steel antenna pyramids	Aug-88	50	20	25 48.741	80 05.366
	Miss Karline	85' steel hull	Jun-89	51	15	25 48.771	80 05.345
	unnamed	236 tons of culvert	May-90	45	8	not	available
	Patricia	65' steel tug	Jun-90	53	15	25 48.796	80 05.364
	Army Tank #1	M60 Army Tank	Jun-94	49	12	25 48.675	80 05.452
	Army Tank #2	M60 Army Tank	Jun-94	47	10	25 48.674	80 05.471
	Limestone Boulder	400 tons of limestone boulders	Jun-94	47	11	25 48.672	80 05.462
	Limestone Boulder	1060 tons of 3' to 5' limestone boulders	Jun-95	48	15	25 48.783	80 05.373
	Coquina	50' steel (hull up)	1987	43	5	25 48.628	80 05.764
	Mathew Lawrence Memorial Reef (Number 7)	110' steel ship	Jan-96	50	15	25 48.686	80 05.405
	Larsen Barge	60' deck barge	Jan-99	45	7	25 48.692	80 05.436
	Police Barge	100' barge		50	10	25 48.585	80 05.448
	Police Barge #2	80' barge		45	8	25 48.828	80 05.530
	Anch. Connection Reef A	~210 tons of limestone boulders	Sep-16	50	9	25 48.695	80 05.448
	Anch. Connection Reef B	~240 tons of limestone boulders	Aug-16	50	10	25 48.691	80 05.426
	Anch. Connection Reef C	~240 tons of limestone boulders	Aug-16	50	10	25 48.673	80 05.423
	Anch. Connection Reef D	~240 tons of limestone boulders	Sep-16	50	12	25 48.676	80 05.439
	Mitigation Modules - 2021	13 modules	Aug-21	50	8	25 48.717	80 05.440
<b>POM SITE A</b>	Port of Miami Mitigation Reef	50 on 100' centers (10x5 matrix)	Jul-96	25	5	25 46.378	80 06.420
	Port of Miami Mitigation Reef	50 on 50' centers (7x7 matrix)	Jul-96	25	5	25 46.265	80 06.416
	Port of Miami Mitigation Reef	50 on 10' centers (cluster)	Aug-96	25	5	25 46.089	80 06.280
	Port of Miami Mitigation Reef	495 mods on 25' ctrs (29x16 matrix)	Jul-96	25	5	25 46.464	80 06.401
	POM Mitigation - Gabions POM Mitigation Modules - 2021	320 Gabion Baskets & 2110cy Limerock 87 'DERM' Modules	Nov-17 Jul-21	22 27	5 6	25 46.199 25 46.288	80 06.365 80 06.307
<b>SOUTH MIAMI BEACH</b>	SoBe Tetra reef (T1)	Concrete Tetrahedron pile	Jun-98	20	8	25 45.890	80 07.656
	SoBe Tetra reef (T2)	Concrete Tetrahedron pile	Jun-98	20	8	25 45.914	80 07.596
	SoBe Tetra reef (T3)	Concrete Tetrahedron pile	Jun-98	20	8	25 45.938	80 07.665
	SoBe Tetra reef (T4)	Concrete Tetrahedron pile	Jun-98	20	8	25 45.975	80 07.609
	SoBe Tetra reef (T5)	Concrete Tetrahedron pile	Jun-98	20	8	25 46.018	80 07.674
	SoBe Tetra reef (T6)	Concrete Tetrahedron pile	Jun-98	20	8	25 46.068	80 07.669
	SoBe Tetra reef (T7)	Concrete Tetrahedron pile	Jun-98	20	8	25 46.079	80 07.619
	SoBe Tetra reef (T8)	Concrete Tetrahedron pile	Jun-98	20	8	25 46.113	80 07.635
	SoBe rip-rap reef (B1)	Limestone boulder pile	Jun-98	20	8	25 45.838	80 07.652
	SoBe rip-rap reef (B2)	Limestone boulder pile	Jun-98	20	8	25 45.850	80 07.596
	SoBe rip-rap reef (B3)	Limestone boulder pile	Jun-98	20	8	25 45.970	80 07.670
	SoBe rip-rap reef (B4)	Limestone boulder pile	Jun-98	20	8	25 46.024	80 07.614
	Jose Cuervo Reef	Concrete bar & tetrahedron	May-00	20	9	25 46.134	80 07.694
	UNID pile	UNID pile	Jun-98	20	9	25 46.057	80 07.588

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<b>OFFSHORE ARTIFICIAL REEFS</b>							
<b>POM SITE B</b>	POM B Row 1 (north end)	120,000tons of boulders in 11 rows & 36 piles	Sep-96	45	10	25 45.127	80 05.685
	POM B Pile 21 (center)	120,000tons of boulders in 11 rows & 36 piles	Sep-96	45	10	25 44.999	80 05.698
	POM B Row 11 (south end)	120,000tons of boulders in 11 rows & 36 piles	Sep-96	45	10	25 44.894	80 05.683
<b>NONE</b>	WASA modules (west end)	22 DERM modules along VA Key pipe		22	5	25 44.713	80 07.785
	WASA modules (east end)	22 DERM modules along VA Key pipe		22	5	25 44.713	80 07.668
	Half Moon Wreck	154' steel sailing yacht	1930	10	4	25 43.654	80 08.069
<b>KEY BISCAYNE "SMZ"</b>	<b>Please note the Key Biscayne Artificial Reef Site is a Special Management Zone (SMZ) in which spear guns, long lines, and fish traps are prohibited. Visit <a href="http://www.miamidade.gov/environment/reef-zone.asp">http://www.miamidade.gov/environment/reef-zone.asp</a> for more information.</b>						
<b>KEY BISCAYNE "SMZ"</b>	Biscayne	120' steel ship	Dec-74	60	8	25 42.251	80 05.304
	Sara Jane	65' wooden ship (near 100' barge)	Sep-81	100	8	25 42.218	80 05.166
	unnamed	100' steel barge (near Sara Jane)	Sep-81	100	8	25 42.218	80 05.166
	Orion	118' steel tug	Dec-81	88	15	25 41.489	80 05.169
	unnamed	40' steel house boat	May-82	95	10	near Sara Jane/100'barge	
	Lakeland	200' steel ship	Jun-82	135	25	25 42.067	80 05.010
	unnamed	20 steel concrete mixer drums	Jul-82	84	8	Near Lakeland	
	Arida	165' steel hull	Aug-82	88	12	not	available
	Chevron Tanks	50 steel Chevron storage tanks	Jan-83	84	8	Near Lakeland	
	South Seas	134' steel hull	Feb-83	75	8	25 41.985	80 05.224
	Proteus	220' steel hull	Jan-85	72	18	25 42.331	80 05.240
	Belcher Barge	195' steel barge	Nov-85	58	10	25 41.824	80 05.277
	Mystick Isle	103' steel ferry	May-86	185	35	25 42.346	80 04.786
	unnamed	500 tons of concrete bridge	Jul-86	65	10	25 42.031	80 05.257
	Lady Frei	90' sailing schooner	Dec-86	60	5	25 41.841	80 05.294
	Sheri-Lyn (bow section)	235' steel ship	Jun-87	100	22	25 42.122	80 05.184
	Sheri-Lyn (stern section)	235' steel ship	Jun-87	100	22	25 42.139	80 05.163
	Miracles Express	100' steel ship	Jul-87	64	6	25 42.239	80 05.291
	Big Lou	36' steel hull	Mar-89	55	7	not	available
	Rio Miami	105' steel tug	Nov-89	67	30	25 42.159	80 05.227
	Belzona I	85' steel tug	May-90	68	20	25 41.753	80 05.240
	Belzona II	90' steel tug	Feb-91	60	15	25 41.797	80 05.273
	Belzona III	100' steel tug	Jun-91	65	15	25 41.756	80 05.218
	Belzona Barge	215' steel barge	Aug-91	40	10	25 41.968	80 05.555
	John Maydak Memorial Reef- T110 1	75' steel tug	Jul-92	64	7	25 41.915	80 05.270
	John Maydak Memorial Reef- T110 2	45' steel tug (hull up)	Jul-92	56	5	25 41.945	80 05.286
	Spirit of Miami	727 jet	Sep-93	115	15	25 41.931	80 05.142
	Schurger's Barge	90' steel barge	Oct-96	74	10	25 41.819	80 05.217
	SMZ Buoy Reef NW	10 Modules/ 550 tons limestone boulders	Jun-97	38	12	25 42.800	80 05.516
	SMZ Buoy Reef SW	11 Modules/ 550 tons limestone boulders	Jun-97	38	12	25 41.317	80 05.517
	Davey Hurst	90' steel ship	Apr-98	265	18	25 41.903	80 04.428
	Jack Falafian	80' steel tug	May-98	150	16	25 42.243	80 04.937
Augie Ferrigno (formerly Rex Bear)	273' steel ship	Jun-98	226	80	25 42.482	80 04.633	
H.A.V. Parker III Barge	120' steel barge	Aug-98	70	8	25 41.820	80 05.231	
Ultra Quiz Houseboat Barge	30' steel houseboat	Oct-98	70	15	25 41.869	80 05.200	
Gimrock 300 Barges	195' scow w/ 140' deck barge	Mar-00	165	24	25 42.445	80 04.864	

SITE	NAME	DESCRIPTION	DATE	DEPTH	RELIEF	LAT (N)	LONG (W)
<b>OFFSHORE ARTIFICIAL REEFS</b>							
<b>KEY BISCAYNE "SMZ"</b>	<b>Please note the Key Biscayne Artificial Reef Site is a Special Management Zone (SMZ) in which spear guns, long lines, and fish traps are prohibited. Visit <a href="http://www.miamidade.gov/environment/reef-zone.asp">http://www.miamidade.gov/environment/reef-zone.asp</a> for more information.</b>						
<b>KEY BISCAYNE "SMZ" (cont.)</b>	Captain Harry (formerly Lady Philomise)	90' steel ship	May-00	120	20	25 43.803	80 05.098
	Mary Star of the Sea (1/2)	Section of 138' steel ship	Dec-00	208	10	25 42.345	80 04.705
	Mary Star of the Sea (2/2)	Remainder of 138' steel ship	Dec-00	210	10	25 42.548	80 04.509
	Spirit of Hemingway	65' steel sailboat	Apr-01	244	15	25 42.572	80 04.520
	Miss Lucy	40' steel tugboat	May-01	224	18	25 41.333	80 04.573
	Etoile de Mer	80' steel ship seized by US Customs	Jul-01	131	25	25 41.966	80 04.992
	Miguana	100' steel ship seized by US Customs	Jul-01	138	30	25 41.956	80 04.964
	Brandy Wine	135' steel ship seized by US Customs	Jul-01	145	20	25 41.969	80 04.942
	Wreckboy (Watson Island) Barge	80' derelict barge	Oct-01	150	10	25 41.454	80 04.938
	Tacoma	165' steel ship	Feb-02	120	35	25 42.011	80 05.063
	Princess Britney	165' freighter seized by US Customs	Apr-03	85	35	25 42.028	80 05.209
	DEMA Trader	165' freighter with concrete and module	Oct-03	80	34	25 42.218	80 05.215
	Gimrock 504 Barge	100' steel deck barge	May-04	248	10	25 42.420	80 04.500
	Bunnell Barge	130' steel deck barge	Aug-04	130	7	25 42.378	80 05.000
	Neptune Memorial Reef - Phase I	Concrete prefabricated pieces	Oct-07	45	20	25 42.035	80 05.398
	Miami River Barge (ZT202)	210' hopper barge	Nov-08	120	17	25 42.146	80 05.102
	Ophelia Brian (formerly Sea Taxi)	205' Steel Freighter	Dec-09	110	40	25 42.346	80 05.148
	Key Biscayne Connection Reef A	~175 tons of concrete and limerock boulders	Jul-11	60	9	25 41.808	80 05.275
	Key Biscayne Connection Reef B	~175 tons of concrete and limerock boulders	Jul-11	64	5	25 41.812	80 05.255
	Key Biscayne Connection Reef C	~305 tons of limerock boulders	Jul-17	59	8	25 41.778	80 05.258
	Key Biscayne Connection Reef D	310 tons of limerock boulders	Jun-18	72	7	25 41.793	80 05.217
	Neptune Memorial Reef - Phase II	Concrete prefabricated pieces	Aug-18	43	13	25 41.021	80 05.398
<b>Bug Light Shoal</b>	Buglight Reef - Phase 1	150 tons concrete & 150 tons limestone boulders	Jun-19	24	7	25 40.774	80 06.767
	Buglight Reef - Phase 2	260 tons concrete & 440 limestone boulders (4 deployment piles)	Sep-20	26	9	25 40.763	80 06.753
<b>R.J. DIVING VENTURES</b>	Hopper Barge	150' steel barge	Jun-81	160	15	25 37.147	80 05.028
	Ultra Freeze	195' steel ship	Jul-84	120	45	25 37.741	80 05.215
	St. Anne D' Auray	110' steel ship	Mar-86	68	28	25 37.062	80 05.431
	Tarpoon	165' steel ship	May-88	50	5	25 37.315	80 05.446
	Sonar Dish	Sonar dish pilings		80	5	25 35.457	80 05.386
	Moby One	75' wooden shrimper	Jul-83	97	10	25 37.392	80 05.364
<b>NONE</b>	unnamed	Unid barge off Fowey		165	10	25 35.204	80 05.175
<b>DADE SPORTFISHING COUNCIL - NORTH</b>	Railroad	100' steel barge	Oct-80	163	11	not	available
	Blue Fire	175' steel ship	Jan-83	110	20	25 34.007	80 05.435
	Pioneer One	195' steel ship	Oct-83	215	30	not	available
<b>DADE SPORTFISHING COUNCIL - MIDDLE</b>	FPL Stacks	43 FP&L steel stacks	Dec-83	190	20	not	available
	Sir Scott	267' steel ship	Feb-85	220	65	25 31.789	80 05.243

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<b>OFFSHORE ARTIFICIAL REEFS</b>							
<b>DADE SPORTFISHING COUNCIL - SOUTH</b>	Almirante	200' steel ship	Apr-75	125	20	25 24.955	80 07.077
	Belcher Barge (BB120 or Old Biscayne)	85' steel barge	Oct-75	120	10	25 24.775	80 07.146
	Santa Rita	200' steel ship	Nov-76	245	25	not	available
<b>FISH AND GAME UNLIMITED</b>	Doc De Milly	287' steel ship	Mar-86	140	50	25 22.057	80 07.865
	Berry Patch	155' steel ship	Oct-88	150	24	25 22.133	80 07.813
	Hugo's April Fool	115' steel ship	Oct-88	145	20	25 22.027	80 07.823
	F-4 Fighter Jet	F-4 Fighter Jet	Mar-88	80	9	25 22.122	80 08.133
	F-4 Fighter Jet	F-4 Fighter Jet	Mar-88	80	9	25 22.172	80 08.132
	Scott Mason Chaite (frmr Ocean Freeze)	297' steel ship	Jul-98	240	50	25 23.086	80 07.098
	Club Wreck	Approx. 140' steel ship			220	20	25 17.794