

## REEFS-02

COUNTY	DEPLOY DATE	REEF NAME	PRIMARY MATERIAL	LORAN1	LORAN2	LATITUDE	LONGITUDE
DUVAL	6/5/00	CHARLES H. KIRBO REEF	MODULES CONCRETE REEFBALLS (580)	45130.8	62033.8	3010.500	8115.250
DUVAL	7/5/98	BUNNIE'S WEB (BW)	SHIP CONCRETE 52'	45127.5	62030.5	3010.440	8114.830
DUVAL	6/27/98	BUNNIE'S WEB (BW)	CONCRETE CULVERTS	45126.1	62031.7	3010.208	8114.881
DUVAL	6/20/97	MF SITE	CONCRETE CULVERTS	45078.5	61892.6	3016.480	8100.490
DUVAL	6/5/96	EF REEF SITE	CONCRETE CULVERTS	45161.5	61899.4	3023.930	8104.850
DUVAL	5/28/96	EF REEF SITE	CONCRETE CULVERTS	45161.5	61899.4	3023.930	8104.850
DUVAL	5/26/96	EF REEF	CONCRETE CULVERTS	45161.5	61899.4	3023.930	8104.850
DUVAL	12/31/95	AH SITE - TUG MONACHAN	SHIP STEEL TUGBOAT	45192.6	61879.5	3028.690	8104.900
DUVAL	12/31/95	EF SITE - RACCOON REEF	BRIDGE PILINGS	45151.9	61901.5	3022.960	8104.850
DUVAL	12/31/95	EF SITE - BUCKMAN RUBBLE	BRIDGE RUBBLE	45155.2	61902.3	3023.238	8050.070
DUVAL	12/31/95	BB SITE - BUCKMAN	CONCRETE PILINGS	45193.0	61925.0	3025.780	8108.680
DUVAL	12/31/95	AH SITE - PILLBOXES	CONCRETE PILLBOXES	45197.7	61890.6	3028.330	8106.060
DUVAL	6/29/95	AH SITE - 95 PILLBOXES	CONCRETE CULVERTS	45197.4	61890.1	3028.360	8106.030
DUVAL	12/31/94	BB SITE - BUS STOP BARGE	BARGE STEEL	45200.6	61925.7	3025.880	8109.090
DUVAL	12/31/94	BB SITE - MORANTZ	BARGE STEEL	45198.3	61925.0	3025.710	8108.930
DUVAL	5/26/94	HH REEF	BARGE STEEL 190'	45252.5	61881.7	3034.518	8107.916
DUVAL	12/31/92	HH SITE - SHARK BARGE	BARGE STEEL 194'	45264.8	61886.2	3037.685	8104.718
DUVAL	12/31/92	BB SITE - ACOSTA #1	BRIDGE RUBBLE	45194.9	61922.1	3025.600	8108.530
DUVAL	12/31/92	BB SITE - MARGARET'S REEF	BRIDGE RUBBLE	45195.4	61923.3	3025.550	8108.650
DUVAL	10/30/92	HH REEF	CONCRETE CULVERTS	45259.7	61887.8	3034.691	8108.482
DUVAL	6/23/92	BB SITE - ROBERTS REEF	BRIDGE RUBBLE	45195.5	61922.4	3025.622	8108.315
DUVAL	3/31/92	NHL SITE - POWERFULL	SHIP STEEL TUGBOAT	45093.2	61804.9	3024.600	8053.940
DUVAL	12/31/91	JW SITE - MTC 120 BARGE	BARGE STEEL 123'	45165.9	62000.7	3016.310	8113.560
DUVAL	11/30/91	NHL CULVERTS	CONCRETE CULVERTS	45097.5	61809.9	3024.630	8054.660
DUVAL	8/25/90	EEF SITE	CONCRETE CULVERTS	45100.0	61840.5	3022.554	8057.053
DUVAL	9/13/89	OSJ SITE - DRYDOCKS	STEEL DRYDOCK	44839.4	61710.9	3007.060	8033.570
DUVAL	8/31/89	NSS SITE	CONCRETE CULVERTS	45065.5	61865.5	3017.296	8057.598
DUVAL	12/31/88	BB SITE - CULVERTS	CONCRETE CULVERTS	45194.4	61920.5	3025.690	8108.360
DUVAL	12/31/88	BB SITE - CULVERTS PRECAST	CONCRETE CULVERTS	45195.3	61915.9	3025.980	8108.160
DUVAL	12/31/88	NM SITE - FISHING BOAT	SHIP STEEL	45194.6	61937.2	3024.380	8109.770
DUVAL	6/30/88	NSS SITE - COPPEDGE	SHIP STEEL TUGBOAT 98'	45065.7	61866.0	3017.361	8057.887
DUVAL	5/11/88	JW SITE	CONCRETE CULVERTS	45168.7	62001.7	3016.735	8113.793
DUVAL	12/31/87	EPV SITE - BARGE	BARGE STEEL	45079.5	61941.3	3012.881	8104.753
DUVAL	12/31/87	HL SITE - HUGGINS	SHIP STEEL 150'	45077.3	61814.0	3022.372	8054.008
DUVAL	6/2/87	EPV	CONCRETE RUBBLE	45078.0	61941.0	3012.693	8104.688
DUVAL	12/31/86	BB SITE - SANCTUARY REEF	CONCRETE CULVERTS	45195.2	61920.6	3025.760	8108.400
DUVAL	12/31/86	EPV SITE - CULVERTS 86	CONCRETE CULVERTS	45077.7	61941.1	3012.652	8104.658
DUVAL	7/16/86	TR SITE - ANNA	SHIP STEEL 230'	45128.8	61808.8	3027.708	8055.770
DUVAL	5/25/86	AH SITE - CULVERTS	CONCRETE CULVERTS	45215.5	61844.5	3033.620	8103.120
DUVAL	12/31/85	MR SITE - EAST BARGE	BARGE STEEL	45234.5	61958.0	3026.710	8113.270
DUVAL	12/31/85	PG SITE - BARGE 85	BARGE STEEL	45179.2	61969.5	3020.320	8111.790
DUVAL	12/31/85	NM SITE - VIC'S BARGE	BARGE STEEL 150'	45191.5	61947.6	3023.280	8110.480
DUVAL	12/31/85	MR SITE - RELIANCE	SHIP STEEL TUGBOAT 63'	45232.7	61958.9	3026.460	8113.260
DUVAL	12/31/84	TW SITE - BARGE	BARGE STEEL 200'	45151.4	61800.0	3030.670	8056.382
DUVAL	12/31/84	NM SITE - TUGBOAT	SHIP STEEL TUGBOAT	45193.2	61944.5	3023.690	8110.300
DUVAL	12/31/84	NE SITE - STEEL TANKS	STEEL STORAGE TANKS	45194.3	61946.8	3023.620	8110.540
DUVAL	12/31/83	EF SITE - EAST CULVERTS	CONCRETE CULVERTS	45149.4	61886.8	3023.860	8103.510
DUVAL	12/31/83	NM SITE - CULVERTS	CONCRETE CULVERTS	45192.2	61949.9	3023.170	8110.700
DUVAL	12/31/83	EF SITE - PRESS BOX FOUR	STEEL PRESS BOX	45149.9	61887.5	3023.870	8103.570
DUVAL	12/31/83	EF SITE - PRESS BOX TWO	STEEL PRESS BOX	45149.3	61888.6	3023.695	8103.641
DUVAL	6/1/83	PG SITE - MOODY CULVERTS	CONCRETE CULVERTS (166)	45189.9	61976.6	3020.804	8112.599
DUVAL	4/26/83	EF SITE - MOODY CULVERTS/TANKS	CONCRETE CULVERTS (112)	45143.9	61876.3	3024.140	8102.360
DUVAL	1/18/83	MONTGOMERY REEF	CONCRETE CULVERTS (142)	45236.9	61961.9	3026.562	8113.221

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DUVAL	12/31/82	PG SITE - CULVERTS '82	CONCRETE CULVERTS	45177.2	61970.2	3020.090	8111.740
DUVAL	12/31/82	PG SITE - MATTOX CULVERTS	CONCRETE CULVERTS	45176.0	61970.0	3019.970	8111.690
DUVAL	12/31/82	PG SITE - PILLBOXES 82	CONCRETE PILLBOXES	45179.3	61970.0	3020.290	8111.840
DUVAL	12/22/82	NINE MILE REEF SITE	CONCRETE CULVERTS (167)	45191.6	61949.6	3023.052	8110.174
DUVAL	11/3/82	PG	CONCRETE CULVERTS (157)	45176.2	61970.3	3019.908	8111.230
DUVAL	10/9/82	PG REEF DROP (PABLO GROUNDS)	CONCRETE CULVERTS (120)	45179.2	61970.2	3020.210	8111.353
DUVAL	9/1/81	MG SITE - JAPAN REFERENCE REEF	CONCRETE CULVERTS	45140.4	61946.1	3018.338	8107.832
DUVAL	9/1/81	MG SITE - JAPAN FRP TUBE REEF	MODULES FIBERGLASS	45141.6	61946.3	3018.440	8107.902
DUVAL	9/1/81	MG SITE - JAPAN FRP TUBE REEF	MODULES FIBERGLASS	45141.4	61946.2	3018.428	8107.884
DUVAL	12/31/80	NM SITE - BARGE '80	BARGE STEEL	45191.7	61947.9	3023.280	8110.510
DUVAL	12/31/80	CH SITE - NORTH TUG	SHIP STEEL TUGBOAT	45117.0	61914.3	3018.560	8104.360
DUVAL	12/31/80	NM SITE - TUG	SHIP STEEL TUGBOAT	45192.1	61946.6	3023.420	8110.420
DUVAL	12/31/79	CH SITE - SOUTH TUG	SHIP STEEL TUGBOAT	45116.5	61914.7	3018.500	8104.360
DUVAL	12/31/78	AH SITE - BARGE	BARGE STEEL	45210.2	61852.6	3032.510	8103.540
DUVAL	12/31/77	PV SITE - NAVY	STEEL SCRAP SCAFFOLDING	45108.0	61982.4	3012.360	8109.830
DUVAL	12/31/77	MR SITE - 77 CULVERTS	CONCRETE CULVERTS	45236.9	61961.9	3026.640	8113.690
DUVAL	12/31/77	PV SITE - 103	STEEL SCRAP	45107.0	61982.0	3012.320	8108.740
DUVAL	12/31/75	MR SITE - BILLS BARGE	BARGE STEEL	45248.8	61962.8	3027.760	8114.300
DUVAL	12/31/72	TW SITE - TUG	SHIP TUGBOAT 150'	45151.5	61815.1	3029.537	8057.595
DUVAL	7/31/72	CASABLANCA	SHIP STEEL LANDING CRAFT 327'	45012.7	61795.2	3017.510	8049.320
DUVAL	12/31/67	PM SITE - NORTH BARGE	BARGE STEEL	45174.4	61964.7	3020.250	8111.150
DUVAL	12/31/60	MG SITE - TUG	SHIP STEEL TUGBOAT	45130.7	61937.2	3018.130	8106.910
DUVAL	12/31/59	MR SITE - UPSIDE-DOWN BARGE	BARGE STEEL	45229.1	61962.2	3025.830	8113.390
DUVAL	4/11/42	JW SITE - GULF AMERICA (W)	SHIP STEEL TANKER 445'	45165.2	61998.3	3016.670	8113.630
DUVAL	unknown	PM SITE - SOUTH TUG	SHIP STEEL TUGBOAT	45170.0	61964.9	3019.780	8110.740
DUVAL	unknown	BR SITE - AIRPLANE WRECK (W)	AIRPLANE	45040.1	61779.2	3021.340	8049.250
DUVAL	unknown	PM SITE - LINDENS CAR BODIES	AUTOMOBILE BODIES	45171.4	61966.0	3019.860	8111.130
DUVAL	unknown	BB SITE - CARPET BARGE	BARGE STEEL	45210.8	61937.0	3026.020	8110.470
DUVAL	unknown	BR SITE - BARGE #1	BARGE STEEL	45050.1	61785.8	3021.820	8050.290
DUVAL	unknown	BR SITE - N. BARGE	BARGE STEEL	45050.1	61785.2	3021.860	8050.240
DUVAL	unknown	HL SITE - LITTLE WRECK	BARGE STEEL	45073.9	61847.9	3019.480	8056.720
DUVAL	unknown	MR SITE - BARGE	BARGE STEEL	45237.0	61958.9	3026.870	8113.470
DUVAL	unknown	MR SITE - MAXIES	BARGE STEEL	45218.9	61956.4	3025.280	8112.450
DUVAL	unknown	MR SITE - NORTH WRECK	BARGE STEEL	45249.6	61948.6	3028.940	8113.200
DUVAL	unknown	NM SITE - BARGE	BARGE STEEL	45198.6	61945.2	3024.170	8110.600
DUVAL	unknown	NM SITE - NM BARGE	BARGE STEEL	45192.9	61948.6	3023.348	8110.620
DUVAL	unknown	NM SITE - TAR BARGE	BARGE STEEL	45192.0	61944.8	3023.550	8110.270
DUVAL	unknown	PM SITE - NAVY BARGE	BARGE STEEL	45170.6	61965.8	3019.790	8111.080
DUVAL	unknown	RL SITE - BARGE	BARGE STEEL	45247.8	61906.9	3032.060	8109.710
DUVAL	unknown	PM SITE - BANANA BOATS	SHIP FIBERGLASS	45174.0	61964.9	3020.200	8111.150
DUVAL	unknown	BR SITE - FERRY	SHIP STEEL FERRYBOAT	45047.5	61783.7	3021.740	8049.980
DUVAL	unknown	BR SITE - TUG #1	SHIP STEEL TUGBOAT	45050.7	61788.7	3021.680	8050.562
DUVAL	unknown	BR SITE - TUG #2	SHIP STEEL TUGBOAT	45050.2	61786.8	3021.850	8050.430
DUVAL	unknown	MR SITE	SHIP STEEL TUGBOAT	45231.1	61959.7	3026.210	8112.979
DUVAL	unknown	MR SITE - TUG	SHIP TUGBOAT	45234.6	61958.7	3026.637	8113.054
DUVAL	unknown	RL SITE - WOOD WRECK	SHIP WOOD	45247.6	61916.2	3031.310	8110.460
DUVAL	unknown	BB SITE - WOODEN TUG	SHIP WOOD TUGBOAT	45194.6	61917.7	3025.910	8108.150
DUVAL	unknown	BB SITE - OLD GIBBS DRYDOCK	STEEL DRYDOCK	45195.5	61919.6	3025.870	8108.330

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DESCRIPTION	DEPTH	RELIEF	GPS
580 REEFBALLS OF VARIOUS SIZES	58	8	DGPS
52LX14WX12H CONCRETE SAILBOAT DISCOVERED ON 7/5/98 JRRT	49	12	GPS
6'X 9' AND 4' X 8 CULVERTS/PIPES	56	5	DGPS
SOUTH OF MAIN 14 & 15	83	6	GPS
3 RD OF THREE LOADS, 2,100 TONS TOTAL	74	6	BOTH
2ND OF TWO LOADS, 2,100 TONS TOTAL	74	6	BOTH
FIRST OF THREE LOADS, TOTAL 2100 TONS	74	6	BOTH
TUGBOAT "MONACHAN", CONCRETE RUBBLE, BUCKMAN GUARDRAIL	80		LOR
BUCKMAN BRIDGE PILINGS	68		LOR
BUCKMAN BRIDGE RUBBLE, ALSO AT 55.2/01.2	68		LOR
CONCRETE PILING FROM THE OLD "BUCKMAN BRIDGE"	65		LOR
CONCRETE PILLBOXES & JUNCTION BOXES	80		LOR
CULVERTS AND PILL BOXES	70		BOTH
STEEL BARGE	65		LOR
STEEL BARGE CALLED THE "MORANTZ BARGE"	65		LOR
190' X 40' BARGE SUNK ON SITE WITH STEEL I-BEAMS AND RUBBLE ON BOARD.	67		GPS
194 FT BARGE & CONCRETE RUBBLE (OFMAS-134)	77	10	DGPS
ACOSTA BRIDGE MATERIALS FIRST LOAD OF THREE	65		LORAN
ACOSTA BRIDGE MATERIALS SECOND LOAD OF THREE	65		LORAN
DISTINCT CLUMPS OF CONCRETE CULVERTS AND PILLBOXES.	75		LORAN
ACOSTA BRIDGE RUBBLE AND TIRES ADDED TO EXISTING REEF.	65		LORAN
105 FOOT LONG STEEL TUGBOAT CALLED THE "POWERFULL"	86		GPS
BARGE STEEL CALLED THE "MTC 120 BARGE" (OFMAS-134)	69	8	DGPS
CONCRETE AND 3 CEMENT MIXING DRUMS-NO HOLES IN THEM	90		LORAN
2000 TONS OF CONCRETE CULVERTS,(OFMAS-134)	92	8	DGPS
615 FEET LONG BY 127 FT. WIDE & 57 FEET TALL WOOD & STEEL DRYDOCKS	125		LORAN
2000 TONS OF CONCRETE CULVERTS- .5nm WNW OF 'COPPEDGE' REEF(OFMAS-134).	80		DGPS
CONCRETE CULVERTS	54		LORAN
STANDARD PRECAST CULVERTS DEPLOYED IN 1988 (OFMAS-134)	71	6	DGPS
FISHING BOAT DEPLOYED IN 1988	63		LORAN
98 FEET LONG TUGBOAT NAMED THE "W.T. COPPEDGE"	80	25	GPS
2000 TONS OF CONCRETE CULVERTS.	75		LORAN
STEEL BARGES DEPLOYED IN 1987	75		LORAN
150 FEET LONG STEEL FREIGHTER THE "HUGGINS"	90		GPS
1250 CUBIC YARD OF VARIOUS CONCRETE ITEMS.	80		LORAN
CONCRETE CULVERTS	52		LORAN
CONCRETE CULVERTS 1986	85		LORAN
235 FT. STEEL SHIP, THE "ANNA", ON STARBOARD SIDE(OFMAS-134)	110	30	DGPS
CONCRETE CULVERTS, ABOUT 100 SQ. YARDS.	80		LORAN
BARGE STEEL CALLED "EAST BARGE"	65		LORAN
90 X 26 FT STEEL BARGE	73		LORAN
150 FOOT LONG STEEL BARGES KNOWN AS "VIC'S 150 BARGE"	58		LORAN
63 FOOT LONG TUGBOAT THE "RELIANCE"	68		LORAN
200 FEET LONG BARGE, PLACED IN 1984	90		GPS
52 FOOT LONG TUGBOAT	63		LORAN
STEEL STORAGE TANKS	63		LORAN
CONCRETE CULVERTS EAST OF THE GATOR BOWL PRESS BOX	68		LORAN
CULVERTS, PILLBOXES AND A NATURAL LEDGE NEARBY	72		LORAN
4 SECTIONS OF THE OLD GATOR BOWL PRESS BOX	68		LORAN
2 SECTIONS OF THE OLD GATOR BOWL PRESS BOX	68		GPS
166 PIPES, 15 BOXES, 15 DRAINS, 1 TANK	67		LORAN
CONCRETE & STEEL TANKS DONATED BY MOODY	71		LORAN
FOURTH OF FOUR LOADS THIS GRANT, FIRST FOR MR REEF			LORAN

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CONCRETE CULVERTS DEPLOYED IN 1982	67		LORAN
CONCRETE CULVERTS KNOWN AS THE "MADDOX CULVERTS"	67		LORAN
CONCRETE PILLBOXES AND JUNCTION BOXES	73		LORAN
THIRD OF FOUR LOADS THIS GRANT, FIRST FOR NINE MILE SITE			LORAN
SECOND OF FOUR LOADS THIS GRANT, 2ND AT PG SITE			LORAN
FIRST OF FOUR LOADS THIS GRANT, FIRST AT PG SITE			LORAN
CONCRETE CULVERTS REFERENCE REEFS NEAR JAPAN REEFS 3 OF 3 LOADS	85	12	LORAN
21' X 18' FIBERGLASS MODULE, 2 OF 3 LOADS	85	12	LORAN
21' X 18' FIBERGLASS MODULE, 1 OF 3 LOADS	85	12	LORAN
STEEL BARGE DEPLOYED IN 1980	58		LORAN
NORTH TUGBOAT	80		LORAN
TUGBOAT DEPLOYED IN 1980	70		LORAN
SOUTH TUGBOAT	82		LORAN
STEEL BARGE, LEDGE TO THE NW	80		LORAN
NAVY SCAFFOLDING AND TIRES	75		LORAN
CONCRETE CULVERTS AND TANKS ALSO 37.4/61.7	65		LORAN
STEEL PLATES	75		LORAN
BARGE STEEL CALLED "BILLS BARGE"	61		LORAN
150 FEET LONG STEEL TUGBOAT	86		GPS
327 FEET LONG LST LANDING CRAFT SUNK IN THE SUMMER OF 1972	105		LORAN
TUGBOAT KNOWN AS THE "NORTH TUG"	72		LORAN
STEEL TUGBOAT WITH PILOTHOUSE ALONGSIDE	75		LORAN
STEEL BARGE CALLED "GAVIN'S UPSIDE-DOWN BARGE"	65		LORAN
445 FEET LONG SHIP SUNK IN WWII THE "GULF AMERICA"	60		LORAN
TUG #1 SOUTH AND BARGE WRECKAGE (OFMAS-134)	75	18	LOR
AIRPLANE WRECK A WWII CORSAIR	105		LOR
CAR BODIES, KNOWN AS "LINDEN'S MYSTERY CAR BODIES"	72		LOR
2 WRECKS, ONE CALLED THE "CARPET BARGE"	48		LOR
BARGE #1, NEXT TO A SMALL LEDGE	104		LOR
BARGE KNOWN AS THE "NORTH BARGE"	105		LOR
STEEL BARGES KNOWN AS THE "LITTLE WRECK"	90		LOR
120 FOOT LONG STEEL BARGE	65		LOR
STEEL BARGES CALLED "MAXIES"	62		LOR
STEEL BARGE CALLED THE "NORTH WRECK"	63		LOR
STEEL BARGE	58		LOR
NINE MILE BARGE G	68		LOR
STEEL BARGES KNOWN AS THE "TAR BARGE"	58		LOR
BARGE KNOWN AS THE "NAVY BARGE"	72		LOR
STEEL BARGE DEPLOYMENT UNKNOWN	68		LOR
BANANA BOAT AND A PORGY BOAT	72		LOR
STEEL FERRY BOAT CALLED THE "WARWICK"	106		LOR
STEEL TUGBOAT KNOWN AS THE "OCEAN GOING TUG #1"	105		LOR
STEEL TUGBOAT #2	104		LOR
OLD TUGBOAT NOT CONFIRMED	66		LOR
STEEL TUGBOAT	65		LOR
WOODEN WRECK	68		LOR
WOODEN TUGBOAT WRECK, UNKNOWN AGE	54		LOR
OLD GIBBS DRYDOCK	54		LOR