

REEFS-02

COUNTY	DEPLOY DATE	REEF NAME	PRIMARY MATERIAL	LORAN1	LORAN2	LATITUDE	LONGITUDE
VOLUSIA	6/24/01	500 FEET S.W. OF CENTER, SITE #11	CONCRETE BARRIERS (250)	44470.4	61948.2	2916.327	8041.982
VOLUSIA	6/22/01	500 FEET S.E. OF CENTER, SITE #11	CONCRETE CULVERTS (350)	44475.9	61946.7	2916.302	8041.757
VOLUSIA	6/20/01	500 FEET N.W. OF CENTER, SITE #11	CONCRETE CULVERTS (350)	44478.9	61947.8	2916.492	8041.998
VOLUSIA	6/15/01	500 FEET N.E. OF CENTER, SITE #11	CONCRETE CULVERTS (350)	44477.9	61946.6	2916.482	8041.820
VOLUSIA	6/13/01	SITE CENTER #12	CONCRETE CULVERTS (350)	44478.4	61947.7	2916.424	8041.916
VOLUSIA	6/7/00	PORT AUTHORITY SITE #12	CONCRETE BOULDERS	44467.2	61994.2	2911.860	8046.530
VOLUSIA	6/16/99	PORT AUTHORITY SITE #10	CONCRETE CULVERTS	44569.5	61989.9	2921.453	8049.476
VOLUSIA	6/11/99	PORT AUTHORITY SITE #10	CONCRETE CULVERTS	44569.5	61989.9	2921.372	8049.783
VOLUSIA	6/18/98	PORT AUTHORITY SITE #10	CONCRETE CULVERTS	14549.2	44572.6	2921.489	8049.774
VOLUSIA	6/11/98	PORT AUTHORITY SITE #10	CONCRETE RUBBLE	14549.2	44572.6	2921.489	8049.774
VOLUSIA	6/6/98	PORT AUTHORITY SITE #10	CONCRETE RUBBLE	44570.5	61990.4	2921.481	8049.804
VOLUSIA	12/31/97	PORT AUTHORITY SITE #12	CONCRETE CULVERTS	44467.0	61993.5	2911.880	8046.480
VOLUSIA	8/22/97	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44409.1	61959.0	2909.380	8040.670
VOLUSIA	8/17/97	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44408.9	61958.6	2909.390	8040.650
VOLUSIA	8/14/97	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44409.2	61959.1	2909.200	8040.190
VOLUSIA	8/11/97	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44409.2	61959.1	2909.200	8040.190
VOLUSIA	7/15/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	7/3/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE RUBBLE	44437.4	62019.9	2907.189	8048.234
VOLUSIA	6/25/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE RUBBLE	44437.4	62019.9	2907.189	8048.234
VOLUSIA	6/16/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	5/27/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	5/13/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	4/25/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	4/21/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	4/19/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	4/4/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE RUBBLE	44437.4	62019.9	2907.189	8048.234
VOLUSIA	3/21/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE RUBBLE	44437.4	62019.9	2907.189	8048.234
VOLUSIA	1/7/97	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	12/31/96	PORT AUTHORITY SITE #1	MODULES CONCRETE REEFBALLS (24)	44396.1	61973.9	2907.070	8041.830
VOLUSIA	12/28/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	12/13/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	11/25/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS	44437.4	62019.9	2907.189	8048.234
VOLUSIA	11/20/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS (12)	44437.4	62019.9	2907.189	8048.234
VOLUSIA	11/6/96	PORT AUTHORITY SITE #5	CONCRETE PILINGS (37)	44437.4	62019.9	2907.189	8048.234
VOLUSIA	11/1/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS (12)	44437.4	62019.9	2907.189	8048.234
VOLUSIA	10/30/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS (12)	44437.4	62019.9	2907.189	8048.234
VOLUSIA	10/29/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS (8)	44437.4	62019.9	2907.189	8048.234
VOLUSIA	10/10/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS (12)	44437.4	62019.9	2907.189	8048.234
VOLUSIA	9/30/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS (12)	44437.4	62019.9	2907.189	8048.234
VOLUSIA	9/25/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE SPANS (12)	44437.4	62019.9	2907.189	8048.234
VOLUSIA	7/19/96	PORT AUTHORITY SITE #5	CONCRETE BRIDGE	44439.4	62021.9	2907.189	8048.234
VOLUSIA	7/18/96	PORT AUTHORITY SITE #9	AIRPLANE A-6 INTRUDER (26)	44400.0	61785.0	2921.250	8021.740
VOLUSIA	5/27/96	PORT AUTHORITY SITE #8	CONCRETE CULVERTS	44297.5	62011.0	2855.272	8042.684
VOLUSIA	5/25/96	PORT AUTHORITY SITE #8	CONCRETE CULVERTS	44297.5	62011.0	2855.270	8042.670
VOLUSIA	5/23/96	PORT AUTHORITY SITE #8	CONCRETE CULVERTS	44297.5	62011.0	2855.270	8042.670
VOLUSIA	5/18/96	PORT AUTHORITY SITE #8	CONCRETE CULVERTS	44297.5	62011.0	2855.270	8042.670
VOLUSIA	5/13/96	PORT AUTHORITY SITE #8	CONCRETE CULVERTS	44297.5	62011.0	2855.270	8042.670
VOLUSIA	7/29/95	PORT AUTHORITY SITE #3	BARGE STEEL 100'	44453.8	61984.6	2911.370	8045.030
VOLUSIA	7/29/95	PORT AUTHORITY SITE #3	SHIP STEEL 217'	44455.0	61982.0	2911.710	8044.740
VOLUSIA	7/29/95	PORT AUTHORITY SITE #3	SHIP STEEL TUG 100'	44454.3	61982.3	2911.628	8044.804
VOLUSIA	7/29/95	PORT AUTHORITY SITE #3	SHIP STEEL TUGBOAT 81' (THOMAS)	44455.9	61982.6	2911.730	8044.930
VOLUSIA	6/24/95	PORT AUTHORITY SITE #6	CONCRETE CULVERTS	44369.8	61995.7	2903.039	8043.400
VOLUSIA	10/30/94	PORT AUTHORITY SITE #7	BARGE 120'	44339.8	61984.1	2901.260	8041.030

REEFS-02

VOLUSIA	4/30/94	PORT AUTHORITY SITE #1	BARGE STEEL 195'	44394.7	61972.1	2907.110	8041.590
VOLUSIA	2/28/94	PORT AUTHORITY SITE #4	SHIP STEEL 165'	44521.6	61960.2	2919.390	8044.840
VOLUSIA	1/31/94	PORT AUTHORITY SITE #2	SHIP STEEL 76'	44407.2	61959.3	2909.200	8040.520
VOLUSIA	11/9/93	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44406.6	61956.6	2909.370	8040.370
VOLUSIA	12/31/92	PORT AUTHORITY SITE #3	CONCRETE CULVERTS	44454.0	61982.0	2911.630	8045.030
VOLUSIA	6/19/92	PORT AUTHORITY SITE #4	CONCRETE CULVERTS	44517.7	61958.4	2919.179	8044.530
VOLUSIA	6/27/91	PORT AUTHORITY SITE #7	CONCRETE CULVERTS	44341.6	61987.1	2901.180	8041.440
VOLUSIA	12/31/90	PORT AUTHORITY SITE #5	CONCRETE & STEEL	44437.8	62020.0	2907.180	8048.320
VOLUSIA	12/4/90	PORT AUTHORITY SITE #6	CONCRETE CULVERTS	44370.2	61995.6	2903.040	8043.360
VOLUSIA	11/27/90	PORT AUTHORITY SITE #6	CONCRETE CULVERTS	44370.2	61995.6	2903.040	8043.360
VOLUSIA	6/1/90	PORT AUTHORITY SITE #1	CONCRETE CULVERTS	44396.7	61973.7	2907.200	8041.850
VOLUSIA	12/31/89	PORT AUTHORITY SITE #13	CONCRETE CULVERTS	44422.1	61963.8	2910.140	8041.640
VOLUSIA	6/1/89	PORT AUTHORITY SITE #8	CONCRETE CULVERTS	44296.5	62011.0	2955.308	8042.628
VOLUSIA	5/24/88	PORT AUTHORITY SITE #4	CONCRETE CULVERTS	44519.4	61959.1	2919.250	8044.680
VOLUSIA	5/20/87	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44411.3	61959.1	2910.143	8041.639
VOLUSIA	5/17/87	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44422.1	61963.8	2910.157	8041.301
VOLUSIA	12/10/85	PORT AUTHORITY SITE #2	STEEL BARGE 100'	44411.3	61959.4	2909.534	8040.423
VOLUSIA	8/8/83	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44409.1	61959.0	2909.600	8040.550
VOLUSIA	8/8/83	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44409.1	61959.1	2909.700	8040.650
VOLUSIA	7/8/82	PORT AUTHORITY SITE #6	CONCRETE CULVERTS	44368.6	61994.4	2903.009	8042.767
VOLUSIA	12/1/81	PORT AUTHORITY SITE #2	CONCRETE CULVERTS	44409.1	61959.0	2909.368	8040.300
VOLUSIA	6/11/81	PONCE DE LEON INLET SITE	CONCRETE CULVERTS	44411.3	61959.4	2909.524	8040.405
VOLUSIA	10/10/80	PORT AUTHORITY SITE #3	SHIP STEEL 446'	44458.0	61982.0	2912.000	8044.860

REEFS-02

DESCRIPTION	DEPTH	RELIEF	GPS
JERSEY BARRIERS, POLES AND MISC CONCRETE, 5 OF 5 LOADS THIS GRANT	82	15	BOTH
36".24" AND 15" BY 8 FT. PIPES, 350 PIECES, 4 OF 5 LOADS THIS GRANT	82	15	BOTH
36".24" AND 15" BY 8 FT. PIPES, 350 PIECES, 3 OF 5 LOADS THIS GRANT	82	15	BOTH
36".24" AND 15" BY 8 FT. PIPES, 350 PIECES, 2 OF 5 LOADS THIS GRANT	82	18	BOTH
36".24" AND 15" BY 8 FT. PIPES, 360 PIECES, 1 OF 5 LOADS THIS GRANT	82	22	BOTH
4 TO 6 FEET CONCRETE RUBBLE AND 12 FT. LONG L BEAMS	70	10	DGPS
SECOND LOAD THIS GRANT	60	15	DGPS
FIRST LOAD THIS GRANT	60	8	DGPS
THIRD DROP THIS DATE, NO TONNAGE	60	6	DGPS
SECOND OF THREE DROPS THIS DATE, NO TONNAGE	60	6	DGPS
FIRST OF THREE DROPS THIS DATE	60	6	DGPS
100 TONS CONCRETE CULVERTS			DGPS
230 PIECES OF CONCRETE PIPE & 600 CONCRETE POSTS	70	15	GPS
260 PIECES OF CONCRETE CULVERTS & BARRICADES	70	15	GPS
CONCRETE CULVERTS & BARRICADES	70	15	GPS
270 PIECES OF CONCRETE MATERIALS	70	15	GPS
370 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
420 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
500 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
370 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
470 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
420 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
400 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
370 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
370 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
470 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
450 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
370 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
24 REEFBALLS	70	5	GPS
360 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
375 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
370 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
360 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
300 TONS OF CONCRETE PILINGS	65	15	GPS
360 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
360 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
460 TONS OF CONCRETE BRIDGE SPANS & PILINGS	65	15	GPS
360 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
360 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
360 TONS OF CONCRETE BRIDGE SPANS	65	15	GPS
BRIDGE RUBBLE - TWO DISTINCT DEPLOYMENTS , ONE LAST YEAR	63	15	GPS
26 A-6 INTRUDER AIRPLANES	135	8	GPS
5 4TH OF 5 LOADS, 300 PIECES THIS LOAD	55	12	GPS
4 4TH OF 5 LOADS, 250 PIECES THIS LOAD	65	6	GPS
3 RD OF 5 LOADS, 150 PIECES THIS LOAD	65	6	GPS
2 ND OF 5 LOADS, 200 PIECES THIS LOAD	65	6	GPS
1 1ST OF 5 LOADS, 209 PIECES THIS LOAD	65	6	GPS
100' BARGE "ATLAS" 1995	80	20	GPS
217' SHIP "RIO YUNA" 1995	80	25	GPS
100' TUG "ALEXANDRA MCALLISTER" 1995	80	25	DGPS
81' TUG "THOMAS H" 1995	80	35	GPS
136 PIPES, 23 POWER POLES, 8 MODULES OF THREE PIPES EACH, 5 LOADS	65	15	GPS
120 FT. BARGE SUNK IN OCTOBER 1994	70	10	GPS

REEFS-02

195' FOOT STEEL BARGE, THE "ARGOIL"	75	15	GPS
165' STEEL SHIP "MAXINE D" , FEBRUARY 1994	80	25	GPS
76' STEEL SHIP "SEMARCA"	80	20	GPS
1100 CONCRETE CULVERTS.	75	15	GPS
CONCRETE CULVERTS 1992	80	5	GPS
CONCRETE AND 31'L X 7'W x15'H BARGE.	80	15	GPS
THREE LOADS , 6/1/91=212 , 6/21/91=298, 6/27/91=248	65	15	GPS
CONCRETE/STEEL FROM BRIDGE 1990	65	15	GPS
525 PIECES OF CONCRETE MATERIALS	75	15	GPS
229 PIECES OF CONCRETE CULVERTS. 9.3 NM FROM PONCE INLET	75	15	GPS
970 CONCRETE CULVERTS.	75	15	GPS
CULVERTS AND STEEL CAR CARRIERS			GPS
CONCRETE CULVERTS, 2,500 TONS	62	5	GPS
150 CONCRETE CULVERT SECTIONS AND 40' DERELICT HOUSEBOAT.	80	15	GPS
CONCRETE CULVERTS, 2500 TONS.	79	8	GPS
CONCRETE AND CAR TRANSPORT TRAILERS.	75		LORAN
BARGE 100X30X6', ALSO 97 DUMPSTERS AND 12 PILINGS	75		LORAN
197 PIECES IN TOTAL, ONE OTHER SITE SAME GRANT	75		LORAN
45 PIECES IN TOTAL, ONE OTHER SITE SAME GRANT			LORAN
7 SEPARATE LOADS FROM 7/2/82 TO 7/8/82, 117 PIECES TOTAL	75		LORAN
BARGE, CULVERTS, DUMPSTERS-UNSURE OF DEPLOYMENT DATE	80	10	LORAN
CONCRETE PIPES, 8 LOADS FROM 6/5/81 TO 6/11/81, 157 PIECES	78	5	LORAN
446' STEEL LIBERTY SHIP "MINDANAO" 1980	80	20	GPS