

One-Hundred-Year Storm Elevation Requirements for Habitable Structures Located Seaward of a Coastal Construction Control Line

ELEVATION CERTIFICATE
AND
INSTRUCTIONS



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ONE-HUNDRED-YEAR STORM ELEVATION REQUIREMENTS FOR HABITABLE STRUCTURES LOCATED SEAWARD OF A COASTAL CONSTRUCTION CONTROL LINE

PURPOSE

This document defines and provides the elevation standards for habitable structures located seaward of a coastal construction control line (CCCL), and the instructions for completing the CCCL Elevation Certificate required within section 3107 of the Florida Building Code.

The coastal construction control line delineates that area of the beach-dune system that is expected to be subject to severe fluctuation resulting from a one-hundred-year storm event. The one-hundred-year storm elevation requirements for habitable structures located seaward of the coastal construction control line ensure that the lowest horizontal structural member of the building is placed at an elevation above the predicted breaking wave crest.

Appendix A identifies the date the CCCL was recorded and its record plat location as filed in the Office of the Clerk of the Circuit Court of Public Records of each County.

Appendix B tabulates the one-hundred-year storm elevations and design grades for all coastal counties with established coastal construction control lines. The one-hundred-year storm elevation is the height of the breaking wave crest or wave approach as superimposed on the storm surge with dynamic wave set-up of a one-hundred-year storm. The design grade is the predicted eroded grade caused by the one-hundred-year storm event and should be considered by the design professional in the calculation of pile capacities and embedment depths of driven piles. All piles standing above the design grade should be designed as columns in accordance with the provisions of the Florida Building Code.

The maps contained in the document titled “Coastal County Maps” (not attached) are a compilation of coastal county maps that show the coastal construction control line and the location and identification number of the Florida Department of Environmental Protection (FDEP) range monuments.

INSTRUCTIONS FOR COMPLETING THE CCCL ELEVATION CERTIFICATE

The certificate will be prepared by or under the direct supervision of a registered land surveyor or professional engineer or architect. As part of the permit process and upon placement of the lowest horizontal structural member, the property owner will submit, to the building official, a completed CCCL Elevation Certificate depicting the elevation of the lowest horizontal structural member of the lowest habitable floor, as constructed in relation to National Geodetic Vertical Datum (N.G.V.D.). This certificate will be approved by the building official prior to commencing any additional work. Any work undertaken prior to approval of the certificate will be at the property owner's risk. The building official will review the submitted elevation data, and any deficiencies found will be corrected by the permit holder immediately and prior to any further work being authorized to proceed.

SECTION A Property Information

The CCCL Elevation Certificate identifies the building, its owner and the building location. Provide the building owner's name(s), the building's complete street address, and lot and block number.

SECTION B One-Hundred-Year Storm Elevation Information

In order to complete this portion of the Elevation Certificate, it is necessary to refer to the tables provided in Appendix B and the appropriate county map in the document titled “Coastal County Maps” or the official recorded coastal construction control line maps located in the clerk of the court’s office.

- ❑ **1.** Referencing the “Coastal County Maps” or the official recorded CCCL maps, locate the property and note the nearest range monument to the property. Using the tables in Appendix B, locate the county name and range monument and record the one-hundred-year storm elevation for the property. ***Please note that the elevations listed in the tables represent the design wave height of a one-hundred-year storm, not the storm surge elevation. Also note that the building elevation may be affected by environmental issues addressed in the FDEP permit for construction seaward of the CCCL.***

- ❑ 2. The CCCL Elevation Certificate uses the bottom of the building's lowest horizontal structural member as the point for measuring its elevation. Diagrams 1 and 2 located below are to be used to help determine the location of the lowest horizontal structural member. Record the elevation measurement (to the nearest tenth of a foot) of the bottom of the lowest horizontal structural member as determined by the registered land surveyor, professional engineer or architect.
- ❑ 3. Record the benchmark used to establish the lowest horizontal structural member elevation along with the benchmark elevation in the space provided.

SECTION C Certification

Complete as indicated. The elevation certificate may only be signed by a registered land surveyor or professional engineer or architect registered by the State of Florida.

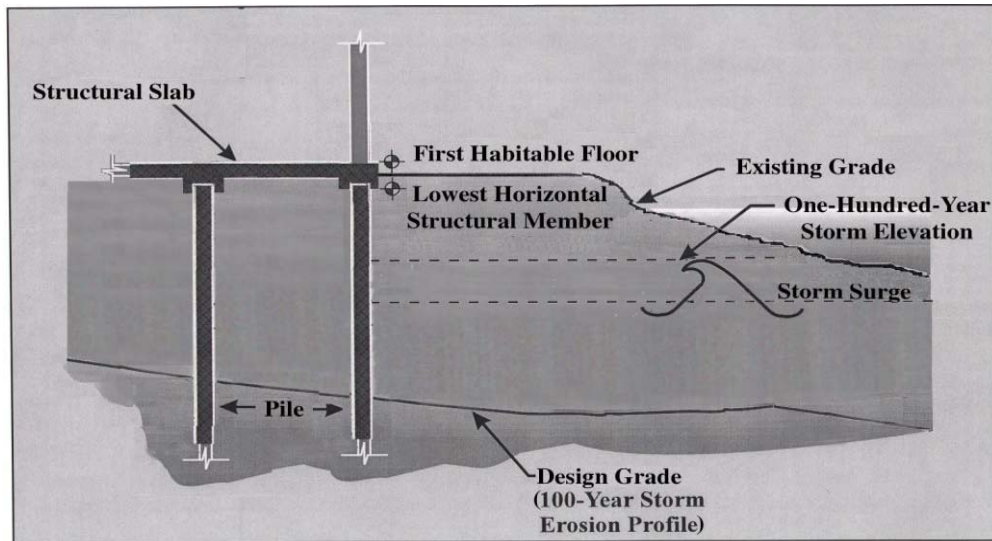


DIAGRAM 1

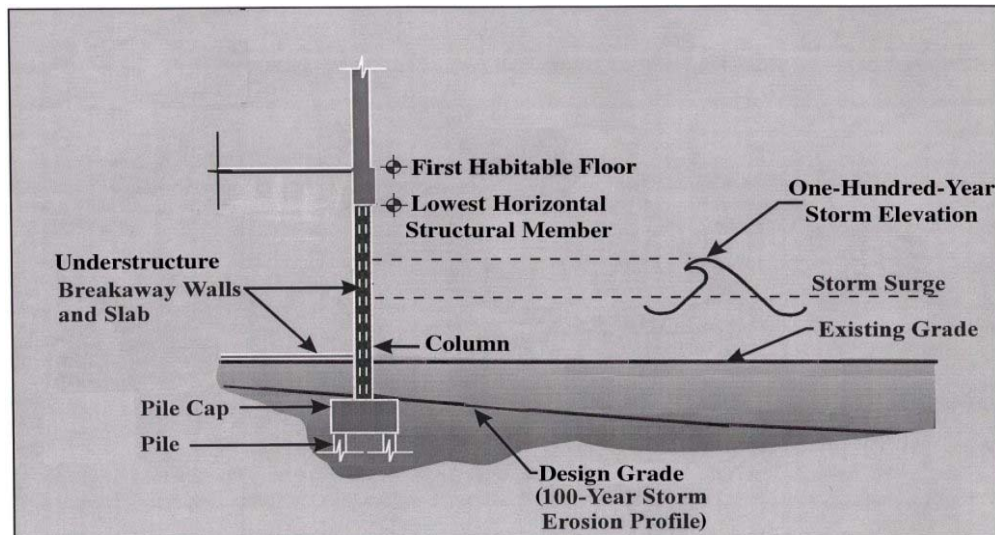


DIAGRAM 2

CCCL ELEVATION CERTIFICATE

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

This certificate is required by section 3107 of the Florida Building Code for habitable structures built seaward of a coastal construction control line to ensure the lowest horizontal structural member of such structures is located above the local one-hundred-year storm elevation as published in the Florida Department of Environmental Protection's document titled, "One-Hundred-Year Storm Elevation Requirements for Habitable Structures Located Seaward of a Coastal Construction Control Line". The elevation of the lowest horizontal structural member is to be shown in relation to National Geodetic Vertical Datum (N.G.V.D., 1929).

NOTICE: This certificate shall be completed as part of the permitting process and submitted to the building official who will note any deficiencies and notify the permit holder of any actions necessary to bring the structure into compliance with the elevation requirement. Any deficiencies found by the building official shall be corrected by the permit holder immediately and prior to proceeding with work. Any work undertaken prior to submission of this certification shall be at the property owner's risk.

SECTION A Property Information		
PROPERTY OWNER'S NAME		
STREET ADDRESS (Including Apt., Unit, Suite and/or Bldg. Number) OR P.O. BOX NUMBER		
OTHER DESCRIPTION (Lot and Block Numbers, etc.)		
CITY	STATE	ZIP CODE

SECTION B One-Hundred-Year Storm Elevation Information
<p>1. Pursuant to the above document, the bottom of the lowest horizontal structural member must be located at or above _____ feet N.G.V.D.</p> <p>2. The bottom of the lowest horizontal structural member of the building is _____ feet N.G.V.D.</p> <p>3. Control elevation reference mark used: Benchmark ID _____ BM elevation: _____ feet N.G.V.D.</p> <p>Please refer to the diagrams on page 2 of this document for information regarding the location of the bottom of the lowest horizontal structural member.</p>

SECTION C Certification			
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information and be submitted to and approved by the building official prior to commencing any additional work.			
I certify that the information in Sections A, B, and C on this certificate represents my best efforts to interpret the data available.			
CERTIFIER'S NAME		LICENSE NUMBER	
TITLE		COMPANY NAME	
ADDRESS	CITY	STATE	ZIP CODE
SIGNATURE	DATE	TELEPHONE	
COMMENTS:			

Affix Seal			

GUIDE TO THE COASTAL COUNTY MAPS

The coastal county maps are contained in the document titled "Coastal County Maps" created by the Department of Environmental Protection, Office of Beaches and Coastal Systems. The maps show the location of each county's coastal construction control line and are provided to give a general overview of the location of each coastal construction control line. The range monuments (R-monuments) shown on the maps are a statewide network of survey monumentation used, by the Department of Environmental Protection, on all of the state's sandy beach shoreline. The coastal county maps were created to provide a quick reference between a coastal property and its proximity to the R-monument.

The maps can be viewed on the Department of Environmental Protection, Office of Beaches and Coastal Systems, web site: www.floridadep.org/beaches/

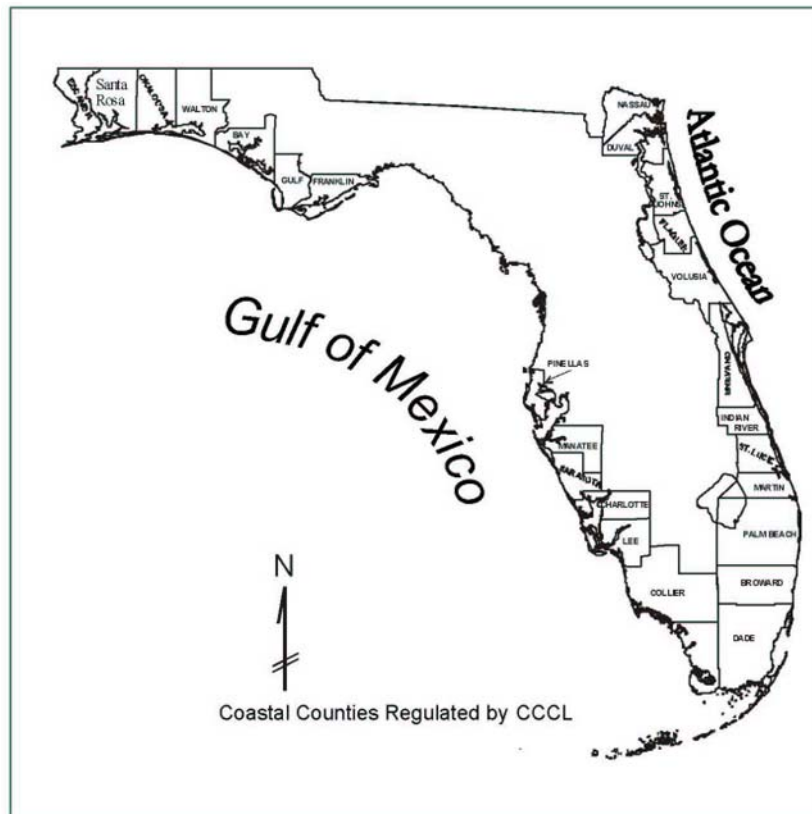
The maps are divided into regions of the state, northwest, southwest, northeast, and southeast. The maps are for information only and are not to scale.

How to Obtain the Maps

Copies of the coastal county maps may be downloaded from the Office of Beaches and Coastal Systems, web site at: www.floridadep.org/beaches/. In addition hard copies of coastal county maps are available for a nominal fee. To obtain a hard copy of the current map for a specific area, contact:

**Florida Department of Environmental Protection
Office of Beaches and Coastal Systems
3900 Commonwealth Blvd., MS 300
Tallahassee, Florida 32399-3000**

To facilitate your request, review the current Maps on the web site, and obtain the page number you need or contact the Coastal Data Acquisition section of the Office at (850) 487-4471. The Office web site will also accept orders for maps.



APPENDIX A

The table below identifies the date the CCCL was recorded and its record plat location as filed in the Office of the Clerk of the Circuit Court of Public Records of each County.

PANHANDLE

COUNTY	DATE RECORDED	RECORD LOCATION
Escambia	6-19-86	Plat Bk. 13, Pg. 23, Sheets A-O Inclusive #460193
Santa Rosa	6-19-91	Plat Bk. F, Pg. 4-4-o O.R. 1178 69-84
Okaloosa	12-19-91	CCCL BK 3, Pg. 1-6 + O.R. Bk. 1642, Pg. 1073 - 1082
Walton	12-29-82	Book #1, Pp. 1-9
Bay	2-7-97	ORB 1687 Pp. 1048 - 1065 MAP CCCL BK2 Pg. 1-12
Gulf	2-5-86	Misc. Plat. Bk. #1, Pp. 12, 1-13
Franklin	4-30-84	CCCL Bk., Pg. 1-19

LOWER WEST COAST

COUNTY	DATE RECORDED	RECORD LOCATION
Pinellas	1-16-79	Inst. #7900780, CCCL Bk. #1
Manatee	8-6-87	Rd. Plat. Bk. #10, Pp. 1-7
Sarasota	3-2-89	O.R. BK. #2102 Pg. 2632-2650 Control Line Book 2 (Plat filed 1-26-89)
Charlotte	1-29-85	Setback Bk. #1, Pp. 1A-1G
Lee	5-30-91	OR BK. 2224 Pg. 1010-1041 Plat Bk. 48 Pg. 15 thru 34
Collier	6-29-89	CCSBL Bk #1, Pp. 26-36, O.R. Bk. #1452 Pp. 258-275 Doc. 01293533

UPPER EAST COAST

COUNTY	DATE RECORDED	RECORD LOCATION
Nassau	4-6-83	Setback Line Pp. 10-16
Duval	7-23-92	OR. BK 7379 Pg. 1769-1782 Map BK. C Pg. 72 to 72H
St. John's	1-28-88	CCCL Bk. #13B, Pp. 1-15
Flagler	4-14-88	CCCL Bk. #28, Pp. 5-12
Volusia	1-24-91	OR BK. 3579 Pg. 1550-1576 M.O.R. CCCL BK. 30 Pg. 20
Brevard	12-4-86	Survey Bk. #2A, Pp. 29-42

LOWER EAST COAST

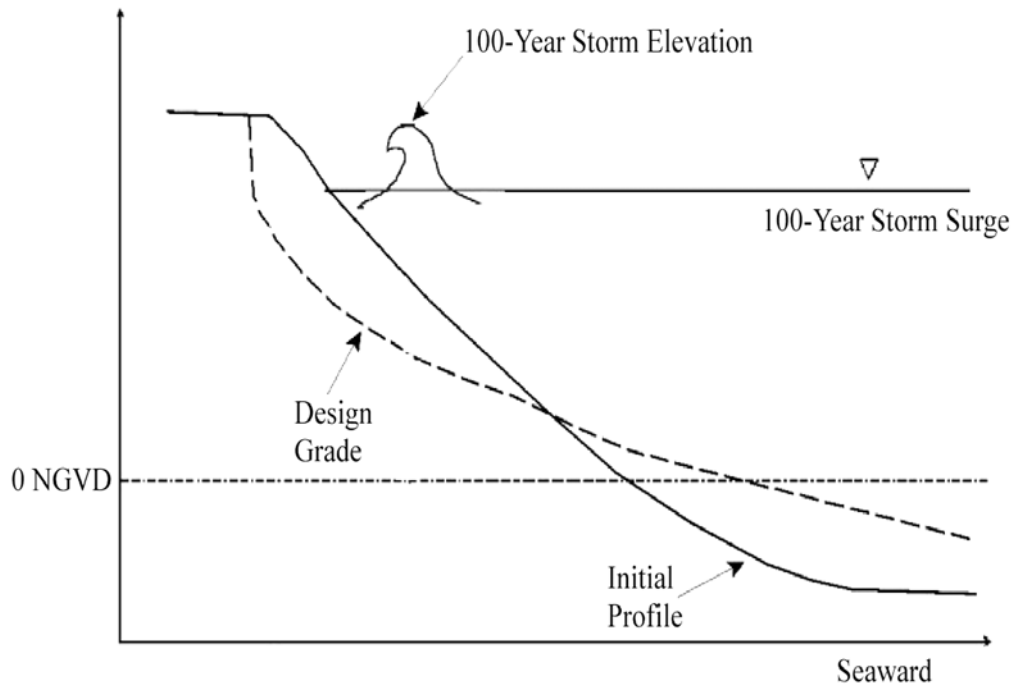
COUNTY	DATE RECORDED	RECORD LOCATION
Indian River	3-5-87	Pl. Bk. #12, Pp. 32-32H
St. Lucie	9-15-88	CCCL Bk. #26, 26A-26I
Martin	7-9-85	Plat Bk. #9, Pg. 99
Palm Beach	8-22-97	Plat Bk. #80, Pp. 137-155 OR Bk. 9951 Pp. 85-108
Broward	11-17-81	81-315377 Misc. Map Bk. #6, Pg. 10
Dade	2-10-82	Bulkhead Plat. Bk. #82R 31600 Bk. #74, Pg. 25

APPENDIX B

ONE-HUNDRED-YEAR STORM ELEVATION REQUIREMENTS

The following tables provide the one-hundred-year storm elevations and design grades, in relation to N.G.V.D., for all coastal counties with established coastal construction control lines. The computed one-hundred-year storm and design grade elevations and corresponding location relative to the current monument for each range of all twenty-five counties with an established CCCL, are tabulated below. One county-wide average is applicable to thirteen out of the twenty-five counties, such as Okaloosa County. Table I, IV and VII show results for the Panhandle area, the Southwest Gulf area and the Atlantic area, respectively. Gulf County, the Alligator Point area of Franklin County, the area from Sanibel Island to the southern end of Lee County, and the area from the northern end of Collier County to Gordon Pass show results in Table II, III, V and VI, respectively.

Please note that the one-hundred-year storm elevations and design grades for Navarre Beach, Santa Rosa County are included under R192-209, of Escambia County.



The One-Hundred-Year storm elevation is the height of the breaking wave crest or wave approach as superimposed on the storm surge with dynamic wave set-up of a one-hundred-year storm. The design grade is the predicted eroded grade caused by the one-hundred-year storm event.

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year	
				Storm	Storm Design	
				Grade		
			Elevation (ft.)	Elevation (ft.)		
Escambia R1 - 32	R001	478564.000	1047494.190	15.4	4.6	
	R032	483965.000	1078813.130			
	R108-138	R108	491954.656	1154762.130	16.2	3.1
		R138	496997.406	1183497.750		
R192-209	R192	506751.375	1236863.000	16.5	2.4	
	R209	509553.938	1254226.750			
Okaloosa R1 - 15	R001	514426.736	1327483.132	15.1	4.5	
	R015	512770.549	1342426.410	15.8	4.5	
	R019	508555.961	1369494.312	15.8	4.5	
	R020	508465.163	1370448.945	15.9	4.5	
	R021	508687.563	1371603.826	15.9	4.5	
	R022	508935.591	1372633.549	16.0	4.5	
	R023	508663.136	1373628.780	16.0	4.5	
	R024	508640.427	1374495.744	16.1	4.5	
	R025	508665.049	1375776.784	16.2	4.5	
	R026	508929.167	1376775.206	16.2	4.5	
	R027	508925.269	1377907.878	16.3	4.5	
	R028	508801.942	1378861.700	16.4	4.5	
	R030	508874.324	1381176.832	16.4	4.5	
	R031	508652.338	1382268.963	16.5	4.5	
	R032	508533.120	1383128.946	16.5	4.5	
	R033	508480.952	1384189.678	16.6	4.5	
	R034	508458.394	1385155.551	16.7	4.5	
	R035	508310.187	1386141.933	16.2	4.5	
	R039	508210.034	1390186.581	16.1	4.5	
	R040	508001.457	1390955.455	16.0	4.5	
	R041	507891.070	1392271.605	15.9	4.5	
	R042	507811.722	1393245.277	15.8	4.5	
	R043	507605.865	1394196.179	15.7	4.5	
	R044	507499.738	1395132.452	15.5	4.5	
	R045	507446.690	1396218.893	15.4	4.5	
	R046	507202.644	1397348.844	15.3	4.5	
	R047	507061.576	1398286.997	15.2	4.5	
R048	507067.128	1399351.979	15.1	4.5		
R049	506877.511	1400303.941	15.0	4.5		
R050	506693.094	1401289.124		4.5		
Walton R1 - 30	R001	506624.750	1401734.630	16.5	3.2	
	R030	500239.875	1433045.130			
	R31 - 72	R031	499934.594	1434069.750	16.0	3.2
		R072	486966.500	1473660.630		
	R77 - 102	R077	484740.844	1479389.130	15.3	3.2
R102		475652.063	1503167.380			
R103 - 127	R103	475592.719	1504326.380	15.0	3.2	
Bay R1 - 91	R001	463811.375	1530362.750	17.4	2.7	
	R091	141799.906	1605999.880			
	R128 - 144	R128	346907.781	1706095.250	17.1	3.6
		R144	337404.344	1718488.250		

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm Elevation (ft.)	Storm Design Grade Elevation (ft.)
Gulf					
R001	R001	336734.437	1719230.800	15.6	3.3
R002	R002	335922.665	1719861.940	15.7	4.1
R003	R003	335171.923	1720553.880	15.8	4.9
R004	R004	334377.704	1721193.693	15.9	5.3
R005	R005	333609.732	1721842.351	16.0	5.8
R006	R006	332855.653	1722478.412	16.0	5.7
R007	R007	332027.000	1723171.500	16.1	5.6
R008	R008	331337.999	1723839.035	16.2	5.5
R009	R009	330510.142	1724403.122	16.3	5.4
R010	R010	329724.652	1725026.649	16.4	5.1
R011	R011	328993.160	1725675.610	16.5	4.9
R012	R012	328134.084	1726198.792	16.6	4.7
R013	R013	327318.010	1726785.384	16.7	4.2
R014	R014	326481.618	1727321.819	16.8	4.0
R015	R015	325619.764	1727843.603	16.9	3.5
R016	R016	324734.681	1728359.002	17.0	3.3
R017	R017	323872.125	1728842.578	17.1	3.0
R018	R018	322977.795	1729329.526	17.1	2.6
R019	R019	322044.390	1729767.821	17.2	2.3
R020	R020	321216.300	1730196.095	17.3	2.2
R021	R021	320241.202	1730595.233	17.4	2.0
R022	R022	319342.114	1730990.035	17.5	1.9
R023	R023	318428.682	1731384.677	17.6	1.8
R024	R024	317499.871	1731744.788	17.7	1.5
R025	R025	316562.848	1732076.509	17.8	1.4
R026	R026	315588.585	1732232.859	17.9	1.3
R027	R027	314660.742	1732664.158	18.0	1.2
R028	R028	313692.980	1732957.850	18.1	1.1
R029	R029	312761.590	1733338.794	18.2	1.0
R030	R030	311848.953	1733756.649	18.2	0.9
R031	R031	310946.617	1734257.318	18.3	0.9
R075	R075	276991.344	1713720.976	12.1	3.3
R076	R076	275960.197	1713930.740	12.3	3.3
R077	R077	274935.000	1714164.020	12.4	3.3
R078	R078	273899.107	1714380.765	12.6	3.3
R079	R079	272875.574	1714617.633	12.8	3.3
R080	R080	271897.646	1714952.460	12.9	3.2
R081	R081	270943.508	1715419.948	13.1	3.2
R082	R082	269919.392	1715664.947	13.3	3.1
R083	R083	269149.733	1715854.958	13.5	3.1
R084	R084	268039.803	1716303.341	13.6	3.0
R085	R085	267097.857	1716632.415	13.8	2.9
R087	R087	265158.109	1717310.097	14.2	2.9
R088	R088	264175.774	1717634.182	14.3	2.8
R089	R089	263201.837	1717965.952	14.5	2.8
R090	R090	262210.391	1718263.666	14.7	2.5
R091	R091	261262.400	1718636.681	14.8	2.2
R092	R092	260331.282	1719071.035	15.0	2.0

County	Florida State Plan Coordinates for Range Monument			100 - Year Storm Elevation (ft.)	100 - Year Storm Design Grade Elevation (ft.)
	R093	R093	259390.459	1719392.883	15.2
R094	R094	258450.138	1719788.544	15.4	1.8
R095	R095	257457.445	1720171.707	15.5	1.7
R096	R096	256448.079	1720450.030	15.7	1.6
R097	R097	255596.713	1720997.807	15.9	1.5
R098	R098	254657.803	1721303.154	16.1	1.5
R099	R099	253761.000	1721779.000	16.2	1.4
R100	R100	252952.411	1722323.250	16.4	1.4
R101	R101	251972.208	1722660.470	16.6	1.3
R102	R102	251123.057	1723106.136	16.8	1.2
R103	R103	250233.353	1723644.776	17.0	1.1
R104	R104	249379.486	1724280.158	17.1	1.0
R105	R105	248542.388	1724863.917	17.3	1.0
R106	R106	247607.744	1725302.784	17.4	1.0
R127	R127	248100.971	1736852.134	16.3	6.8
R128	R128	248400.119	1737740.342	16.4	6.8
R129	R129	248637.994	1738712.681	16.4	6.8
R130	R130	248903.167	1739740.528	16.5	6.8
R131	R131	249177.243	1740776.869	16.6	6.4
R132	R132	249322.731	1741782.198	16.6	6.0
R133	R133	249541.750	1742818.532	16.7	5.3
R134	R134	249586.411	1743840.938	16.8	5.1
R135	R135	249660.032	1744839.066	16.8	5.0
R136	R136	249704.963	1745831.549	19.9	4.8
R137	R137	249768.243	1746886.465	17.0	4.7
R138	R138	249790.717	1747871.192	17.0	4.6
R139	R139	249783.323	1748890.427	17.1	4.5
R140	R140	249793.964	1749849.732	17.2	4.4
R141	R141	249784.671	1750895.647	17.2	4.4
R142	R142	249806.246	1751959.884	17.3	4.4
R143	R143	249567.942	1752897.482	17.4	4.3
R144	R144	249636.153	1754008.462	17.4	4.3
R145	R145	249461.635	1754962.190	17.5	4.3
R146	R146	249254.988	1756014.043	17.6	4.3
R147	R147	249130.202	1756915.135	17.6	4.3
R148	R148	248831.822	1757954.250	17.7	4.2
R149	R149	248781.215	1759000.168	17.8	4.2
R150	R150	248524.723	1759952.938	17.8	4.2
R151	R151	248159.316	1760964.010	17.9	4.2
R152	R152	247848.254	1761999.605	18.0	4.2
R153	R153	247574.657	1762973.696	18.0	4.2
R154	R154	247387.900	1763991.610	18.1	4.2
R155	R155	247245.879	1764994.730	18.2	4.2
R157	R157	247370.323	1766920.518	18.3	4.2
R158	R158	247396.886	1767789.473	18.4	4.2
R159	R159	247833.520	1768712.088	18.4	4.2
R160	R160	248406.334	1769620.761	18.5	4.2
R161	R161	248880.946	1770246.440	18.6	4.2

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year	
				Storm Elevation (ft.)	Storm Design Grade Elevation (ft.)	
Franklin R52 - 106 R154 - 192 R196 - 200 R201 R202 R203 R204 R205 R206 R207 R208 R209 R210 R211 R212 R213 R214 R215 - 235	R052	223589.000	1854668.380	17.0	4.5	
	R106	249049.234	1906519.630			
	R154 - 192	R154	283102.031	1947412.130	18.9	3.8
		R192	300507.313	1976784.750		
	R196 - 200	R196	328391.281	2024589.630	20.7	3.8
		R200	328368.719	2028711.000		
	R201	R201	328173.188	2029597.130	20.5	3.8
	R202	R202	327808.688	2030568.000	20.3	3.8
	R203	R203	327496.375	2031467.500	20.2	3.8
	R204	R204	327178.125	2032458.250	20.1	3.8
	R205	R205	326712.594	2033364.130	20.0	3.8
	R206	R206	326345.875	2034347.630	19.9	3.8
	R207	R207	326080.438	2035298.130	19.9	3.8
	R208	R208	325876.500	2036199.380	19.9	3.8
	R209	R209	325380.469	2037219.380	19.9	3.8
	R210	R210	325058.719	2037984.130	20.0	3.8
	R211	R211	325086.719	2039249.250	20.3	3.8
	R212	R212	325011.406	2040168.500	20.6	3.8
	R213	R213	325356.281	2041119.130	20.9	3.8
	R214	R214	325674.625	2042004.000	21.2	3.8
R215 - 235	R215	325941.906	2042963.750	21.6	3.8	
	R235	340851.375	2051679.630			
Pinellas	Countywide			16.8	1.6	

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm Elevation (ft.)	Storm Design Grade Elevation (ft.)
Manatee					
R001	R001	1165474.339	259662.035	18.2	2.0
R002	R002	1165352.334	259109.760	18.3	2.0
R003	R003	1164815.336	258889.001	18.3	2.0
R004	R004	1163852.906	259099.924	18.4	2.0
R005	R005	1163117.219	259472.126	18.4	2.0
R006	R006	1162277.015	260030.420	18.5	2.0
R007	R007	1161432.304	260951.324	18.5	2.0
R008	R008	1160584.674	261234.161	18.6	2.0
R009	R009	1159873.142	262038.826	18.6	2.0
R010	R010	1159204.754	262731.117	18.7	2.0
R011	R011	1158413.967	263436.883	18.7	2.0
R012	R012	1157635.697	264230.802	18.8	2.0
R013	R013	1156878.845	264862.232	18.8	2.0
R014	R014	1156166.132	265553.320	18.9	2.0
R015	R015	1155158.958	266211.096	18.9	2.0
R016	R016	1150788.320	268955.906	19.0	2.0
R017	R017	1153563.281	267224.487	19.0	2.0
R018	R018	1152857.371	267890.334	19.1	2.0
R019	R019	1151889.699	268237.656	19.1	2.0
R020	R020	1151120.965	268859.128	19.2	2.0
R021	R021	1150056.971	269241.486	19.2	2.0
R022	R022	1149152.018	269653.341	19.3	2.0
R023	R023	1148302.927	270040.024	19.3	2.0
R024	R024	1147347.114	270365.557	19.4	2.0
R025	R025	1146427.521	270663.046	19.4	2.0
R026	R026	1145353.679	271290.065	19.5	2.0
R027	R027	1144550.011	271365.367	19.5	2.0
R028	R028	1143600.238	271703.608	19.6	2.0
R029	R029	1142270.217	272138.079	19.6	2.0
R030	R030	1141443.943	272568.338	19.7	2.0
R031	R031	1140383.792	272948.659	19.7	2.0
R032	R032	1139501.002	273163.108	19.8	2.0
R033	R033	1138576.980	273485.301	19.8	2.0
R034	R034	1137658.592	273754.752	19.9	2.0
R035	R035	1136689.312	274071.908	19.9	2.0
R036	R036	1135803.634	274334.984	20.0	2.0
R037	R037	1134841.633	274696.539	20.0	2.0
	R038	1134062.810	275136.960		
R38 - 46	R046	1127411.430	277385.519	17.7	2.0
	R047	1126599.104	278066.978		
R47 - 67	R067	1111514.426	291279.253	19.0	2.0

County	Florida State Plan Coordinates for Range Monument			100 - Year Storm Elevation (ft.)	100 - Year Storm Design Grade Elevation (ft.)
Sarasota	Countywide			19.4	1.8
Charlotte R1 - 15	R001	949540.942	378090.378	19.8	2.4
	R015	937187.675	384794.638		
R22 - 25	R022	930830.438	389342.981	19.5	2.4
	R025	929035.756	390469.496		
R26 - 50	R026	928189.604	391004.564	19.1	2.4
	R050	908565.594	404048.701		
R051	R051	907600.891	404709.213	19.0	2.4
R052	R052	906782.874	405485.780	19.0	2.4
R053	R053	905850.534	406090.584	18.9	2.4
R054	R054	904905.419	406546.750	18.9	2.4
R055	R055	903971.324	406992.502	18.8	2.4
R056	R056	903043.667	407426.752	18.8	2.4
R057	R057	902712.140	407883.909	18.7	2.4
R058	R058	900363.295	408389.110	18.7	2.4
R059	R059	900282.292	407899.465	18.6	2.4
R060	R060	899631.739	407608.208	18.6	2.4
R061	R061	898621.011	407776.136	18.5	2.4
R062	R062	897713.484	408361.166	18.5	2.4
R063	R063	896987.135	408874.363	18.5	2.4
R064	R064	895989.576	409304.395	18.4	2.4
R065	R065	895169.754	409898.529	18.4	2.4
R066	R066	894330.279	410411.536	18.3	2.4
R067	R067	893449.036	410888.113	18.3	2.4
R068	R068	892970.440	411146.461	18.3	2.4
Lee R1 - 113	R001	892408.690	411391.920	18.6	3.5
	R113	778195.190	441945.380		
R124	R124	771304.500	450943.500	17.6	3.5
R125	R125	770709.500	451984.500	17.6	3.5
R126	R126	770049.000	452736.500	17.6	3.5
R127	R127	769317.000	453565.500	17.7	3.5
R128	R128	768317.000	454500.500	17.7	3.5
R129	R129	767633.500	455146.500	17.8	3.5
R130	R130	766808.000	455944.000	17.8	3.5
R131	R131	766028.500	456557.000	17.9	3.5
R132	R132	765297.280	457239.340	17.9	3.5
R133	R133	764689.000	457965.500	18.0	3.5
R134	R134	764177.530	458822.000	18.0	3.5
R135	R135	763720.000	459698.000	18.1	3.5
R136	R136	763339.000	460505.000	18.1	3.5
R137	R137	762865.500	461580.500	18.2	3.5
R138	R138	762493.000	462346.500	18.2	3.5
R139	R139	762032.000	463343.000	18.3	3.5
R140	R140	761713.500	464231.000	18.3	3.5
R141	R141	761350.000	465141.500	18.4	3.5
R142	R142	760881.875	466082.717	18.4	3.5

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
R143	R143	760538.000	467022.500	18.5	3.5
R144	R144	760229.000	467860.000	18.5	3.5
R145	R145	759865.000	468784.500	18.6	3.5
R146	R146	759581.500	469768.500	18.6	3.5
R147	R147	759359.500	470809.000	18.7	3.5
R148	R148	759092.000	471787.000	18.7	3.5
R149	R149	759108.000	472786.000	18.8	3.5
R150	R150	759051.154	473729.247	18.8	3.5
R151	R151	759121.000	474835.500	18.9	3.5
R152	R152	759159.420	475647.227	18.9	3.5
R153	R153	759484.000	476753.000	19.0	3.5
R154	R154	759760.500	477640.500	19.0	3.5
R155	R155	760079.500	478553.500	19.1	3.5
R156	R156	760507.500	479461.000	19.1	3.5
R157	R157	760883.810	480367.080	19.2	3.5
R158	R158	761310.000	481238.000	19.2	3.5
R159	R159	761701.260	482201.800	19.3	3.5
R160	R160	762153.000	482951.500	19.3	3.5
R161	R161	762698.000	483828.500	19.4	3.5
R162	R162	763747.160	485280.070	19.4	3.5
R163	R163	764361.000	486310.000	19.4	3.5
R164	R164	764674.500	486908.500	19.5	3.5
R165	R165	765344.000	488032.000	19.5	3.5
R166	R166	765906.500	488830.500	19.6	3.5
R167	R167	766417.000	489674.000	19.6	3.5
R168	R168	766861.500	490557.500	19.7	3.5
R169	R169	767446.000	491467.000	19.7	3.5
R170	R170	767992.569	492350.337	19.8	3.5
R171	R171	768868.500	493016.000	19.8	3.5
R172	R172	768991.500	493853.500	19.9	3.5
R173	R173	769582.500	494843.000	19.9	3.5
R174	R174	770134.870	495158.940	20.0	3.5
R175	R175	774264.500	510899.500	20.0	3.5
R176	R176	773507.520	511107.710	20.1	3.5
R177	R177	772796.691	511650.789	20.1	3.5
R178	R178	771981.500	512406.500	20.2	3.5
R179	R179	771382.530	512952.060	20.2	3.5
R180	R180	770556.850	513703.160	20.3	3.5
R181	R181	770035.000	514545.000	20.3	3.5
R182	R182	769822.000	515546.000	20.4	3.5
R183	R183	769479.000	516339.000	20.4	3.5
R184	R184	769066.000	517327.500	20.5	3.5
R185	R185	768486.500	518178.000	20.5	3.5
R186	R186	768107.500	519072.000	20.6	3.5
R187	R187	767609.290	520398.690	20.6	3.5
R188	R188	766802.000	521826.000	20.7	3.5
R189	R189	766303.500	522729.000	20.7	3.5
R190	R190	765723.500	523555.000	20.8	3.5
R191	R191	765232.000	524303.000	20.8	3.5

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
R192	R192	764531.000	525110.500	20.9	3.5
R193	R193	763920.500	525730.000	20.9	3.5
R194	R194	763132.000	526767.500	21.0	3.5
R195	R195	762461.500	527433.000	21.0	3.5
R196	R196	761873.466	528146.922	21.1	3.5
R197	R197	761043.448	528844.342	21.1	3.5
R198	R198	760499.000	529630.000	21.2	3.5
R199	R199	759571.500	530241.000	21.2	3.5
R200	R200	758958.500	530883.500	21.3	3.5
R201	R201	757972.000	531400.000	21.3	3.5
R202	R202	757140.500	531796.500	21.4	3.5
R203	R203	755800.661	531952.059	21.4	3.5
R204	R204	754821.000	532332.000	21.5	3.5
R205	R205	754347.500	533182.000	21.5	3.5
R206	R206	753419.040	533947.300	21.6	3.5
R207	R207	752534.500	534590.500	21.6	3.5
R208	R208	752409.000	535626.000	21.7	3.5
R209	R209	752360.500	536645.500	21.7	3.5
R210	R210	752595.000	537753.000	21.7	3.5
R226	R226	738034.800	544769.950	21.7	3.5
R227	R227	737131.000	545207.500	21.7	3.5
R228	R228	736140.000	545743.500	21.7	3.5
R229	R229	735566.990	546361.330	21.7	3.5
R230	R230	734617.500	546820.500	21.7	3.5
R231	R231	733770.500	547379.000	21.7	3.5
R232	R232	732637.000	547725.000	21.7	3.5
R233	R233	731878.000	548225.500	21.7	3.5
R234	R234	730770.403	548580.268	21.7	3.5
R235	R235	729941.500	548896.500	21.7	3.5
R236	R236	728912.500	549424.500	21.7	3.5
R237	R237	727980.000	549649.500	21.7	3.5
R238	R238	726958.500	550188.000	21.7	3.5
R239	R239	725896.400	550570.910	21.7	3.5

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
Collier					
R001	R001	726436.250	223078.062	22.4	1.9
R002	R002	725495.193	223418.505	22.4	1.9
R003	R003	726436.250	223078.063	22.4	1.9
R004	R004	723568.245	223968.293	22.3	1.9
R005	R005	722601.976	224364.440	22.3	1.9
R006	R006	721661.000	224773.188	22.3	1.9
R022	R022	705668.011	228699.451	21.9	1.9
R023	R023	704714.375	229032.625	21.9	1.9
R024	R024	703700.135	229177.605	21.8	1.9
R025	R025	702657.772	229595.787	21.8	1.9
R026	R026	701679.032	229607.882	21.8	1.9
R027	R027	700695.375	229750.313	21.7	1.9
R028	R028	699512.530	229922.136	21.7	1.9
R029	R029	698675.639	230101.954	21.7	1.9
R030	R030	697665.976	230298.027	21.7	1.9
R031	R031	696642.183	230465.698	21.6	1.9
R032	R032	695653.088	230651.516	21.6	1.9
R033	R033	694660.188	230862.125	21.6	1.9
R034	R034	693648.875	231040.750	21.6	1.9
R035	R035	692656.378	231168.587	21.5	1.9
R045	R045	682488.589	232239.212	21.3	1.9
R046	R046	681383.119	232299.047	21.3	1.9
R047	R047	680409.685	232314.060	21.2	1.9
R048	R048	679476.707	232328.825	21.2	1.9
R049	R049	678409.602	232343.589	21.2	1.9
R050	R050	677323.866	232373.165	21.2	1.9
R051	R051	675998.160	232474.314	21.1	1.9
R052	R052	675120.608	232594.199	21.1	1.9
R053	R053	674076.534	232689.818	21.1	1.9
R054	R054	673006.100	232711.616	21.0	1.9
R055	R055	671959.812	232734.833	21.0	1.9
R056	R056	671040.457	232825.414	21.0	1.9
R057	R057	670276.305	232902.238	21.0	1.9
R058	R058	668531.334	233456.764	20.9	1.9
R059	R059	667557.580	233607.481	20.9	1.9
R060	R060	666513.772	233905.400	20.9	1.9
R061	R061	665477.166	234198.203	20.9	1.9
R062	R062	664456.753	234191.994	20.8	1.9
R063	R063	663472.688	234413.688	20.8	1.9
R064	R064	662560.667	234574.574	20.8	1.9
R065	R065	661782.691	234659.134	20.8	1.9
R066	R066	660976.765	234838.515	20.7	1.9
R067	R067	660180.777	234914.559	20.7	1.9
R068	R068	659373.809	234980.285	20.7	1.9
R069	R069	658564.431	235034.690	20.7	1.9
R070	R070	657769.998	235111.455	20.6	1.9
R071	R071	656975.926	235229.700	20.6	1.9
R072	R072	656184.737	235369.073	20.6	1.9

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
R073	R073	655374.625	235362.500	20.6	1.9
R074	R074	654569.964	235496.311	20.5	1.9
R075	R075	653794.836	235648.548	20.5	1.9
R076	R076	652994.660	235668.912	20.5	1.9
R077	R077	652213.664	235834.436	20.4	1.9
R078	R078	651448.468	235866.680	20.4	1.9
R079	R079	650350.000	235929.375	20.4	1.9
R080	R080	649196.750	235993.625	20.4	1.9
R081	R081	648097.063	236613.500	20.3	1.9
R082	R082	647265.188	236277.125	20.3	1.9
R083	R083	646228.418	236411.155	20.3	1.9
R084	R084	645268.532	236449.285	20.3	1.9
R085	R085	644301.054	236612.617	20.2	1.9
R086	R086	643433.216	236775.023	20.2	1.9
R087	R087	642431.938	236975.313	20.2	1.9
R088	R088	641416.392	237031.783	20.2	1.9
R089	R089	640533.625	237172.687	20.1	1.9
	R128	605677.187	251380.812		
R128 - 148	R148	573822.125	260509.625	18.8	1.9

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
Nassau R13 - 31	R013	2311037.000	365120.000	19.9	3.9
	R031	2293831.000	362959.000		
	R32 - 76	R032	2292955.000	362775.000	18.0
R076		2289956.000	362070.000		
Duval					
R039	R039	2191059.010	374283.770	17.3	5.5
R040	R040	2190092.750	374384.120	17.3	5.5
R041	R041	2189198.560	374367.850	17.3	5.5
R042	R042	2188152.620	374458.210	17.3	5.5
R043	R043	2187337.850	374522.250	17.4	5.5
R044	R044	2186388.170	374603.510	17.4	5.5
R045	R045	2185453.330	374675.320	17.4	5.5
R046	R046	2184488.250	374740.670	17.4	5.5
R047	R047	2183505.490	374879.990	17.4	5.5
R048	R048	2182484.070	374997.370	17.5	5.5
R049	R049	2181560.700	375064.470	17.5	5.5
R050	R050	2180642.490	375142.990	17.5	5.5
R051	R051	2179702.990	375236.990	17.5	5.5
R052	R052	2178647.990	375316.000	17.5	5.5
R053	R053	2177717.490	375393.990	17.6	5.5
R054	R054	2176803.910	375445.790	17.6	5.5
R055	R055	2175866.990	375520.490	17.6	5.5
R056	R056	2174933.990	375564.490	17.6	5.5
R057	R057	2174074.990	375778.490	17.7	5.5
R058	R058	2173090.300	375951.530	17.7	5.5
R059	R059	2172156.690	375998.890	17.7	5.5
R060	R060	2171248.490	376093.490	17.7	5.5
R061	R061	2170198.390	376395.260	17.7	5.5
R062	R062	2169336.490	376508.990	17.8	5.5
R063	R063	2168329.270	376662.420	17.8	5.5
R064	R064	2167455.030	376829.500	17.8	5.5
R065	R065	2166477.950	376962.230	17.8	5.5
R066	R066	2165503.710	377128.900	17.8	5.5
R067	R067	2164537.930	377282.630	17.9	5.5
R068	R068	2163568.490	377370.490	17.9	5.5
R069	R069	2162545.010	377609.890	17.9	5.5
R070	R070	2161538.130	377806.140	17.9	5.5
R071	R071	2160628.050	377970.770	18.0	5.5
R072	R072	2159634.440	377925.080	18.0	5.5
R073	R073	2158689.490	378368.780	18.0	5.5
R074	R074	2157807.880	378527.330	18.0	5.5
R075	R075	2156845.480	378751.490	18.0	5.5
R076	R076	2155824.500	378949.770	18.1	5.5
R077	R077	2154887.990	379129.990	18.1	5.5
R078	R078	2154052.170	379268.560	18.1	5.5
R079	R079	2153053.480	379439.700	18.1	5.5
R080	R080	2151939.290	379681.720	18.1	5.5

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
St. Johns	R001	2151940.349	379681.864		
	R1 - 45	R045	2107393.562	389799.320	17.3
R67 - 117	R067	2084801.704	394430.910		
	R117	2034104.349	406102.112	16.5	5.2
R118	R118	2033084.256	406485.121	17.6	5.2
R119	R119	2032061.729	406921.041	18.2	5.2
R120	R120	2031034.982	407363.865	17.9	5.2
R121	R121	2030032.197	407769.343	18.3	5.2
R122	R122	2027528.141	406881.407	17.3	5.2
R142	R142	2007878.972	415752.124	18.6	5.2
R143	R143	2006063.238	415707.466	18.4	5.2
R144	R144	2005831.246	415575.231	18.6	5.2
R145	R145	2004803.947	415597.979	18.0	5.2
R146	R146	2003809.066	415674.148	17.5	5.2
R147	R147	2002764.080	415575.260	17.0	5.2
R148	R148	2001825.744	415872.102	17.0	5.2
R149	R149	2000819.459	415927.813	16.4	5.2
R150	R150	1999839.248	416062.115	15.8	5.2
R151	R151	1998834.381	416040.556	15.5	5.2
	R152	1997849.499	416108.848		
R152 - 199	R199	1950313.292	428953.791	16.1	5.2
R200 - 209	R200	1949336.572	429186.976		
	R209	1940544.778	431959.225	18.0	5.2

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
Flagler					
R001	R001	1940004.826	431994.225	18.5	3.1
R002	R002	1939146.500	432510.050	18.5	3.1
R003	R003	1937964.600	432924.210	18.4	3.1
R004	R004	1937263.450	433216.890	18.4	3.1
R005	R005	1936385.690	433570.290	18.4	3.1
R006	R006	1935440.460	433912.090	18.4	3.1
R007	R007	1934533.460	434240.950	18.3	3.1
R008	R008	1933644.980	434479.820	18.3	3.1
R009	R009	1932634.130	434882.330	18.3	3.1
R010	R010	1931703.250	435223.450	18.2	3.1
R016	R016	1926343.940	437101.560	18.0	3.1
R017	R017	1925387.240	437368.610	18.0	3.1
R018	R018	1924526.460	437762.070	18.0	3.1
R019	R019	1923606.920	438169.310	18.0	3.1
R020	R020	1922698.043	438445.777	17.9	3.1
R021	R021	1921699.360	438896.350	17.9	3.1
R022	R022	1920625.940	439272.400	17.9	3.1
R023	R023	1919825.090	439433.170	17.8	3.1
R024	R024	1918877.800	439706.480	17.8	3.1
R025	R025	1917691.440	440073.300	17.8	3.1
R026	R026	1916865.130	440358.430	17.7	3.1
R027	R027	1916083.828	440656.313	17.7	3.1
R028	R028	1915260.260	440962.130	17.7	3.1
R029	R029	1914407.270	441273.440	17.6	3.1
R030	R030	1913250.390	441688.360	17.6	3.1
R031	R031	1912489.320	441979.770	17.6	3.1
R032	R032	1911541.060	442293.980	17.6	3.1
R033	R033	1910606.780	442642.000	17.5	3.1
R034	R034	1909856.620	442908.630	17.5	3.1
R035	R035	1908706.884	443396.711	17.5	3.1
R036	R036	1907809.680	443665.240	17.4	3.1
R037	R037	1906895.070	443976.470	17.4	3.1
R038	R038	1906001.640	444288.780	17.4	3.1
R039	R039	1905311.220	444978.560	17.3	3.1
R040	R040	1904346.830	445319.760	17.3	3.1
R041	R041	1903429.940	445469.930	17.3	3.1
R042	R042	1902487.940	445831.990	17.2	3.1
R043	R043	1901642.140	446189.160	17.2	3.1
R044	R044	1900671.980	446590.420	17.2	3.1
R045	R045	1899775.660	446805.170	17.2	3.1
R046	R046	1898760.770	447238.290	17.1	3.1
R047	R047	1897851.030	447635.960	17.1	3.1
R048	R048	1896962.520	448013.730	17.1	3.1
R049	R049	1896093.720	448388.670	17.0	3.1
R050	R050	1895171.080	448783.530	17.0	3.1
R051	R051	1894328.270	449147.340	17.0	3.1
R052	R052	1893511.050	449499.340	16.9	3.1
R053	R053	1893098.360	449682.010	16.9	3.1

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	
R054	R054	1892359.770	449997.110	16.9	3.1
R055	R055	1891416.070	450402.340	16.8	3.1
R056	R056	1890658.410	450828.460	16.8	3.1
R057	R057	1889965.070	451040.180	16.8	3.1
R058	R058	1888992.350	451563.110	16.8	3.1
R059	R059	1887981.560	452002.550	16.7	3.1
R060	R060	1887264.384	452318.819	16.7	3.1
R061	R061	1886413.520	452683.950	16.7	3.1
R062	R062	1885505.390	453090.520	16.6	3.1
R063	R063	1884591.470	453483.050	16.6	3.1
R064	R064	1883786.510	453842.420	16.6	3.1
R065	R065	1882902.250	454338.350	16.5	3.1
R066	R066	1882025.740	454668.080	16.5	3.1
R067	R067	1881187.140	455040.050	16.5	3.1
R068	R068	1880214.570	455442.650	16.4	3.1
R069	R069	1879407.950	455801.560	16.4	3.1
R070	R070	1878426.420	456212.910	16.4	3.1
R071	R071	1877567.950	456661.350	16.4	3.1
R072	R072	1876698.940	457020.650	16.3	3.1
R073	R073	1875818.670	457383.830	16.3	3.1
R074	R074	1874945.850	457754.340	16.3	3.1
R075	R075	1874075.480	458122.380	16.2	3.1
R076	R076	1873169.650	458453.490	16.2	3.1
R077	R077	1872301.290	458900.260	16.2	3.1
R078	R078	1871408.520	459278.130	16.1	3.1
R079	R079	1870536.860	459681.690	16.1	3.1
R080	R080	1869633.596	459959.865	16.1	3.1
R081	R081	1868762.989	460335.470	16.0	3.1
R082	R082	1867835.500	460724.350	16.0	3.1
R083	R083	1867000.470	461067.920	16.0	3.1
R084	R084	1866027.250	461456.510	16.0	3.1
R085	R085	1865353.389	461743.397	15.9	3.1
R086	R086	1864463.492	462108.075	15.9	3.1
R087	R087	1863585.980	462462.410	15.9	3.1
R088	R088	1862788.870	462859.020	15.8	3.1
R089	R089	1862032.780	463148.360	15.8	3.1
R090	R090	1861144.670	463496.460	15.8	3.1
R091	R091	1860278.640	463837.300	15.7	3.1
R092	R092	1859396.100	464185.120	15.7	3.1
R093	R093	1858505.730	464531.030	15.7	3.1
R094	R094	1857619.950	464868.350	15.6	3.1
R095	R095	1856693.180	465078.600	15.6	3.1
R096	R096	1855895.600	465400.500	15.6	3.1
R097	R097	1855005.110	465788.120	15.6	3.1
R098	R098	1854126.930	466229.430	15.5	3.1
R099	R099	1853248.250	466593.350	15.5	3.1
R100	R100	1852367.100	466950.390	15.5	3.1

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Grade	
				Elevation (ft.)	Elevation (ft.)
Volusia					
R021	R021	1833592.700	474422.580	16.1	3.6
R022	R022	1832740.340	474770.100	16.1	3.6
R023	R023	1831865.400	475120.180	16.1	3.6
R024	R024	1830970.320	475478.120	16.1	3.6
R025	R025	1830069.600	475861.210	16.0	3.6
R026	R026	1829212.820	476237.480	16.0	3.6
R027	R027	1828338.360	476597.770	16.0	3.6
R028	R028	1827395.240	476843.696	16.0	3.6
R029	R029	1826591.540	477338.480	16.0	3.6
R030	R030	1825760.100	477689.840	16.0	3.6
R031	R031	1824865.150	478059.150	15.9	3.6
R032	R032	1824000.720	478437.940	15.9	3.6
R033	R033	1823130.170	478805.940	15.9	3.6
R034	R034	1822241.400	479167.670	15.9	3.6
R035	R035	1821380.240	479523.160	15.9	3.6
R036	R036	1820509.190	479894.790	15.9	3.6
R037	R037	1819638.720	480228.320	15.9	3.6
R038	R038	1818762.460	480609.700	15.8	3.6
R039	R039	1817884.720	480948.570	15.8	3.6
R040	R040	1817046.160	481357.950	15.8	3.6
R041	R041	1816146.530	481654.100	15.8	3.6
R042	R042	1815220.380	482037.670	15.8	3.6
R043	R043	1814376.500	482360.580	15.8	3.6
R044	R044	1813498.460	482730.780	15.8	3.6
R045	R045	1812913.170	482990.810	15.7	3.6
R046	R046	1811865.730	483304.569	15.7	3.6
R047	R047	1810923.740	483745.010	15.7	3.6
R048	R048	1810023.362	484164.346	15.7	3.6
R049	R049	1809106.490	484519.380	15.7	3.6
R050	R050	1808245.225	484920.013	15.7	3.6
R051	R051	1807399.620	485271.460	15.6	3.6
R052	R052	1806503.140	485660.080	15.6	3.6
R053	R053	1805651.880	486030.300	15.6	3.6
R054	R054	1804737.123	486445.215	15.6	3.6
R055	R055	1803780.530	486826.280	15.6	3.6
R056	R056	1803023.530	487128.790	15.6	3.6
R057	R057	1802170.310	487537.030	15.6	3.6
R058	R058	1801384.270	487860.710	15.5	3.6
R059	R059	1800352.838	488269.918	15.5	3.6
R060	R060	1799556.270	488644.290	15.5	3.6
R061	R061	1798733.106	488988.259	15.5	3.6
R062	R062	1797763.707	489423.581	15.5	3.6
R063	R063	1796886.110	489776.930	15.5	3.6
R064	R064	1796036.084	490179.210	15.5	3.6
R065	R065	1795152.030	490549.710	15.4	3.6
R066	R066	1794174.560	490978.910	15.4	3.6
R067	R067	1793370.595	491335.266	15.4	3.6
R068	R068	1792488.350	491712.650	15.4	3.6

County	Florida State Plan Coordinates for Range Monument			100 - Year Storm Elevation (ft.)	100 - Year Storm Design Grade Elevation (ft.)
	R069	R069	1791620.260	492105.130	15.4
R070	R070	1790847.023	492443.079	15.4	3.6
R071	R071	1789971.647	492826.175	15.3	3.6
R072	R072	1789019.840	493207.320	15.3	3.6
R073	R073	1788145.171	493507.373	15.3	3.6
R074	R074	1787303.911	493865.055	15.3	3.6
R075	R075	1786577.890	494259.760	15.3	3.6
R076	R076	1785543.480	494699.108	15.3	3.6
R077	R077	1784689.027	495086.374	15.3	3.6
R078	R078	1783762.330	495467.840	15.2	3.6
R079	R079	1782821.130	495842.030	15.2	3.6
R080	R080	1781929.480	496287.990	15.2	3.6
R081	R081	1781046.980	496670.860	15.2	3.6
R082	R082	1780197.090	497081.020	15.2	3.6
R083	R083	1779343.670	497455.140	15.2	3.6
R084	R084	1778390.150	497874.293	15.2	3.6
R085	R085	1777589.170	498193.220	15.1	3.6
R086	R086	1776814.130	498511.170	15.1	3.6
R087	R087	1775906.200	498748.160	15.1	3.6
R088	R088	1774995.030	499245.130	15.1	3.6
R089	R089	1774093.210	499602.800	15.1	3.6
R090	R090	1773321.590	499931.010	15.1	3.6
R091	R091	1772441.313	500295.767	15.0	3.6
R092	R092	1771718.950	500610.980	15.0	3.6
R093	R093	1770886.300	500964.600	15.0	3.6
R094	R094	1769957.540	501374.020	15.0	3.6
R095	R095	1769064.740	501784.860	15.0	3.6
R096	R096	1768201.480	502183.480	15.0	3.6
R097	R097	1767384.010	502553.144	15.0	3.6
R098	R098	1766465.200	502974.730	14.9	3.6
R099	R099	1765622.700	503356.650	14.9	3.6
R100	R100	1764763.683	503739.978	14.9	3.6
R101	R101	1763979.160	504077.240	14.9	3.6
R102	R102	1762973.720	504504.060	14.9	3.6
R103	R103	1762128.580	504909.460	14.9	3.6
R105	R105	1760263.670	505711.770	14.8	3.6
R106	R106	1759350.140	506095.300	14.8	3.6
R107	R107	1758534.292	506590.561	14.8	3.6
R108	R108	1757648.947	507008.784	14.8	3.6
R109	R109	1756760.168	507426.595	14.8	3.6
R110	R110	1755829.001	507870.605	14.8	3.6
R111	R111	1755063.981	508225.926	14.7	3.6
R112	R112	1754246.361	508606.791	14.7	3.6
R113	R113	1753396.230	508999.860	14.7	3.6
R114	R114	1752525.730	509412.460	14.7	3.6
R115	R115	1751221.630	510002.220	14.7	3.6
R116	R116	1750708.187	510283.383	14.7	3.6
R117	R117	1749905.236	510670.245	14.7	3.6
R118	R118	1748968.318	511101.249	14.6	3.6

County	Florida State Plan Coordinates for Range Monument			100 - Year Storm Elevation (ft.)	100 - Year Storm Design Grade Elevation (ft.)
	R119	R119	1748261.694	511487.349	14.6
R120	R120	1747272.046	511945.929	14.6	3.6
R121	R121	1746499.210	512297.130	14.6	3.6
R122	R122	1745660.030	512684.850	14.6	3.6
R123	R123	1744888.190	513110.770	14.6	3.6
R124	R124	1743929.630	513533.320	14.6	3.6
R125	R125	1743065.590	514025.590	14.5	3.6
R126	R126	1742192.730	514423.240	14.5	3.6
R127	R127	1741398.000	514887.320	14.5	3.6
R128	R128	1740554.296	515355.787	14.5	3.6
R129	R129	1739732.170	515781.710	14.5	3.6
R130	R130	1738875.916	516248.214	14.5	3.6
R131	R131	1737964.550	516676.770	14.4	3.6
R132	R132	1737150.170	517207.330	14.4	3.6
R133	R133	1736295.860	517587.550	14.4	3.6
R134	R134	1735464.820	518062.990	14.4	3.6
R135	R135	1734660.870	518544.580	14.4	3.6
R136	R136	1733843.510	519029.860	14.4	3.6
R137	R137	1733021.640	519516.790	14.4	3.6
R138	R138	1732193.100	519907.166	14.3	3.6
R139	R139	1731416.990	520401.850	14.3	3.6
R140	R140	1730740.560	520844.730	14.3	3.6
R141	R141	1729947.500	521333.440	14.3	3.6
R142	R142	1729201.609	522098.382	14.3	3.6
R143	R143	1728530.548	522624.083	14.3	3.6
R144	R144	1727681.500	523141.899	14.3	3.6
R145	R145	1726978.689	523668.331	14.2	3.6
R154	R154	1718858.830	529365.220	14.6	3.6
R155	R155	1717893.910	529679.900	14.6	3.6
R156	R156	1717002.320	530041.990	14.7	3.6
R157	R157	1716110.190	530322.020	14.7	3.6
R158	R158	1715248.240	530762.910	14.7	3.6
R159	R159	1714347.380	531136.210	14.7	3.6
R160	R160	1713466.420	531587.320	14.8	3.6
R161	R161	1712602.350	532013.820	14.8	3.6
R162	R162	1711779.420	532498.530	14.8	3.6
R163	R163	1710840.040	532863.790	14.9	3.6
R164	R164	1710033.000	533366.560	14.9	3.6
R165	R165	1709175.160	533806.120	14.9	3.6
R166	R166	1708209.050	534255.620	15.0	3.6
R167	R167	1707349.590	534719.750	15.0	3.6
R168	R168	1706617.800	535105.482	15.0	3.6
R169	R169	1705706.260	535466.270	15.1	3.6
R170	R170	1704817.500	535962.770	15.1	3.6
R171	R171	1703961.080	536355.110	15.1	3.6
R173	R173	1702371.650	537311.310	15.2	3.6
R174	R174	1701513.620	537782.260	15.2	3.6
R175	R175	1700686.410	538235.140	15.3	3.6
R176	R176	1699872.660	538764.930	15.3	3.6

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
R177	R177	1698980.110	539216.060	15.3	3.6
R178	R178	1698059.353	539772.551	15.4	3.6
R179	R179	1697379.004	540152.400	15.4	3.6
R180	R180	1696511.610	540544.850	15.4	3.6
R181	R181	1695734.740	541054.110	15.5	3.6
R182	R182	1694817.740	541482.140	15.5	3.6
R183	R183	1693996.820	541969.450	15.5	3.6
R184	R184	1693063.187	542556.846	15.6	3.6
R185	R185	1692373.420	542761.210	15.6	3.6
R186	R186	1691584.540	543195.070	15.6	3.6
R187	R187	1690734.170	543682.220	15.7	3.6
R188	R188	1689904.620	544167.950	15.7	3.6
R189	R189	1689238.271	544795.320	15.7	3.6
R190	R190	1688216.540	545007.330	15.7	3.6
R191	R191	1687897.193	545514.042	15.8	3.6
R192	R192	1686829.779	546210.122	15.8	3.6
R193	R193	1686034.673	546716.702	15.8	3.6
R194	R194	1685071.780	547040.970	15.9	3.6
R195	R195	1684422.540	547471.930	15.9	3.6
R196	R196	1683612.490	548052.040	15.9	3.6
R197	R197	1682840.290	548593.720	16.0	3.6
R198	R198	1682010.670	549040.510	16.0	3.6
R199	R199	1681207.880	549534.750	16.0	3.6
R200	R200	1680358.820	550053.410	16.1	3.6
R201	R201	1679531.470	550578.250	16.1	3.6
R202	R202	1678754.307	551130.014	16.1	3.6
R203	R203	1678079.647	551557.404	16.2	3.6
R204	R204	1677122.830	552052.330	16.2	3.6
R205	R205	1676368.370	552496.990	16.2	3.6
R206	R206	1675481.600	553016.280	16.3	3.6
R207	R207	1674654.290	553501.680	16.3	3.6
R208	R208	1673834.760	553974.800	16.3	3.6

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
Brevard					
R001	R001	1480906.500	631108.500	14.0	5.1
R002	R002	1480068.000	631057.500	14.0	5.1
R003	R003	1479006.500	630673.000	14.0	5.1
R004	R004	1478079.352	630407.070	14.0	5.1
R005	R005	1477176.500	630103.000	14.0	5.1
R006	R006	1476239.011	629838.121	14.0	5.1
R007	R007	1475326.000	629521.000	14.1	5.1
R008	R008	1474446.500	629282.500	14.1	5.1
R009	R009	1473508.000	629167.500	14.1	5.1
R010	R010	1472601.000	628990.500	14.1	5.1
R011	R011	1471632.000	628742.000	14.1	5.1
R012	R012	1470688.500	628529.000	14.2	5.1
R013	R013	1469728.500	628336.000	14.2	5.1
R014	R014	1468813.000	628095.500	14.2	5.1
R015	R015	1467833.500	627926.500	14.2	5.1
R016	R016	1466824.620	627782.959	14.3	5.1
R017	R017	1465901.000	627541.500	14.3	5.1
R018	R018	1465084.500	627129.000	14.3	5.1
R019	R019	1464106.630	627235.720	14.3	5.1
R020	R020	1463144.000	626847.000	14.3	5.1
R021	R021	1462116.000	626727.500	14.4	5.1
R022	R022	1461282.750	626927.820	14.4	5.1
R023	R023	1460379.500	626548.730	14.4	5.1
R024	R024	1459350.500	626651.500	14.4	5.1
R025	R025	1458378.500	626611.500	14.4	5.1
R026	R026	1457357.000	626463.000	14.5	5.1
R027	R027	1456390.682	625915.045	14.5	5.1
R028	R028	1455434.500	626161.500	14.5	5.1
R029	R029	1454468.000	626204.500	14.5	5.1
R030	R030			14.6	5.1
R031	R031	1452481.500	626068.500	14.6	5.1
R032	R032	1451490.000	626126.500	14.6	5.1
R033	R033	1450519.500	626070.000	14.6	5.1
R034	R034	1449714.000	625814.500	14.6	5.1
R035	R035	1448784.500	625792.500	14.7	5.1
R036	R036	1447874.000	625787.500	14.7	5.1
R037	R037	1447012.510	625969.070	14.7	5.1
R038	R038	1445927.500	625797.500	14.7	5.1
R039	R039	1444940.000	625847.000	14.7	5.1
R040	R040	1443979.000	625875.000	14.8	5.1
R041	R041	1443026.500	625906.500	14.8	5.1
R042	R042	1442028.500	625926.000	14.8	5.1
R043	R043	1441038.000	625963.500	14.8	5.1
R044	R044	1440092.950	626117.170	14.9	5.1
R045	R045	1439088.710	626201.770	14.9	5.1
R046	R046	1438129.500	626030.500	14.9	5.1
R047	R047	1437135.000	626144.000	14.9	5.1
R048	R048	1436195.000	626235.000	14.9	5.1

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	Elevation (ft.)
R049	R049	1435181.900	626459.530	15.0	5.1
R050	R050	1434017.500	626567.000	15.0	5.1
R051	R051	1433307.000	626467.000	15.0	5.1
R052	R052	1432348.000	626502.000	15.0	5.1
R053	R053	1431535.000	626564.000	15.0	5.1
	R075	1410444.500	629438.500		
R75 - 87	R087	1399369.600	631539.120	15.3	3.7
	R088	1398229.000	631603.000		
R88 - 99	R099	1388615.460	633981.750	15.4	3.7
	R100	1387628.140	634212.060		
R100 - 112	R112	1376260.011	636673.542	15.5	3.7
	R113	1375414.000	636902.000		
R113 - 125	R125	1364473.000	640358.000	15.6	3.7
	R126	1363536.000	640734.500		
R126 - 138	R138	1352810.660	644741.601	15.7	3.7
	R139	1351747.500	645011.000		
R139 - 151	R151	1341684.590	649473.462	15.8	3.7
	R152	1340408.753	649944.348		
R152 - 164	R164	1330330.000	654410.500	15.9	3.7
	R165	1329461.038	655000.369		
R165 - 176	R176	1319528.060	659620.760	16.0	3.7
	R177	1318477.500	659781.000		
R177 - 189	R189	1308322.500	665064.500	16.1	3.7
	R190	1307520.235	665612.582		
R190	R190	1307520.235	665612.582	16.1	3.7
	R191	1306570.500	665926.500		
R191	R191	1306570.500	665926.500	16.1	3.7
	R192	1305689.781	666399.491		
R192 - 202	R202	1296885.500	670848.500	16.2	3.7
	R203	1295893.000	671352.000		
R203 - 215	R215	1286042.000	676385.000	16.3	3.7
	R216	1285134.000	676798.500		
R216	R216	1285134.000	676798.500	16.3	3.7

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year	
				Storm	Storm Design	
				Elevation (ft.)	Grade	
				Elevation (ft.)	Elevation (ft.)	
Indian River	R12	1271669.270	683379.880	15.7	3.0	
	R19	1265346.520	686255.900			
	R20 - 26	R020	1264479.840	686661.520	15.8	3.0
		R026	1258924.090	689204.330		
	R27 - 33	R027	1258265.160	689580.770	15.9	3.0
		R033	1253000.130	692260.670		
	R34 - 41	R034	1252115.640	692632.470	16.0	3.0
		R041	1245828.870	695532.800		
	R42 - 48	R042	1244973.010	696042.690	16.1	3.0
		R048	1239578.920	698513.140		
	R49 - 55	R049	1238727.410	699061.630	16.2	3.0
		R055	1232953.810	700850.630		
	R56 - 63	R056	1232002.740	701138.540	16.3	3.0
		R063	1225294.310	703197.770		
R64 - 70	R064	1223897.250	703596.250	16.4	3.0	
	R070	1218534.920	705444.120			
R71 - 78	R071	1217441.160	705624.440	16.5	3.0	
	R078	1210647.530	707523.030			
R79 - 85	R079	1209729.310	707706.400	16.6	3.0	
	R085	1203945.410	709169.860			
R086	R086	1202900.150	709630.040	16.7	3.0	
R087	R087	1202083.990	709769.640	16.7	3.0	
R088	R088	1200980.040	709653.540	16.7	3.0	
R089	R089	1200182.970	709704.770	15.4	3.0	
R090	R090	1199262.090	709671.360	15.5	3.0	
R091	R091	1198410.890	710149.930	15.5	3.0	
R092	R092	1197362.770	710410.600	15.6	3.0	
R093	R093	1196475.370	710816.180	15.7	3.0	
R094	R094	1195468.060	711098.160	15.8	3.0	
R095	R095	1194658.420	711598.700	15.8	3.0	
R096	R096	1193733.890	711955.630	15.9	3.0	
R097	R097	1192902.500	712574.380	16.0	3.0	
R098	R098	1192133.860	712939.830	16.0	3.0	
R099	R099	1191336.800	713753.550	16.1	3.0	
R100	R100	1190340.030	714179.970	16.2	3.0	
R101	R101	1189689.750	714952.750	16.3	3.0	
R102	R102	1188768.150	715312.220	16.3	3.0	
R103	R103	1187986.320	715737.200	16.4	3.0	
R104	R104	1186989.110	716246.190	16.5	3.0	
R105	R105	1186083.970	716438.500	16.5	3.0	
R106	R106	1184888.320	716692.420	16.6	3.0	
R107	R107	1184107.240	716717.460	16.7	3.0	
R108	R108	1183290.960	716902.520	16.8	3.0	
R109	R109	1182396.190	717170.430	16.8	3.0	
R110	R110	1181590.350	717510.010	16.9	3.0	
R111	R111	1180521.110	717751.280	17.0	3.0	
R112	R112	1179527.700	717807.320	17.0	3.0	
R113	R113	1178397.390	718072.050	17.1	3.0	
R114	R114	1177746.990	718300.560	17.6	3.0	

County	Florida State Plan Coordinates for Range Monument			100 - Year Storm Elevation (ft.)	100 - Year Storm Design Grade Elevation (ft.)
R115	R115	1176423.000	718487.930	17.2	3.0
R116	R116	1175531.470	718656.630	17.3	3.0
R117	R117	1174623.750	718833.380	17.4	3.0
R118	R118	1173552.130	719206.880	17.5	3.0
R119	R119	1172653.000	719459.710	17.5	3.0

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year	
				Storm Elevation (ft.)	Storm Design Grade Elevation (ft.)	
St. Lucie R1 - 49	R001	1171765.000	719727.500	17.9	2.7	
	R049	1126483.000	734468.063			
	R50 - 115	R050	1125514.000	734791.750	17.0	2.7
		R115	1066338.000	759397.438		
Martin R1 - 42	R001	1065411.700	759813.930	16.5	5.1	
	R042	1031889.050	774855.780			
R76 - 82	R076	1002604.340	783825.500	16.3	5.1	
	R082	997848.810	786291.490			
R083	R083	No Monument	No Monument	16.2	5.1	
R084	R122	964024.230	797940.010	16.1	5.1	
R085	R085	995324.670	787474.540	16.0	5.1	
R086	R086	994273.810	787768.430	15.9	5.1	
R087	R087	993678.460	787990.400	15.8	5.1	
R088	R088	992972.800	788377.640	15.7	5.1	
R089	R089	992058.770	788814.490	15.6	5.1	
R090	R090	991200.060	789259.760	15.5	5.1	
R091	R091	990426.180	789565.210	15.4	5.1	
R092	R092	989620.360	789937.320	15.3	5.1	
R093	R093	988795.130	790301.480	15.2	5.1	
R094	R094	987955.580	790616.370	15.1	5.1	
	R095	987105.950	790919.780			
R95 - 122	R122	964024.230	797940.010	15.0	5.1	
R123	R123	963193.120	798286.610	16.1	5.1	
R124	R124	962331.470	798602.780	16.2	5.1	
R125	R125	961533.650	798928.870	16.3	5.1	
R126	R126	960664.710	799131.810	16.2	5.1	
R127	R127	959776.430	799275.270	15.9	5.1	
Palm Beach	Countywide			15.4	5.0	

County	Florida State Plan Coordinates for Range Monument			100 - Year	100 - Year
				Storm	Storm Design
				Elevation (ft.)	Grade
				Elevation (ft.)	
Broward					
R001	R001	723264.945	802830.123	16.0	5.6
R002	R002	722313.673	802791.537	16.1	5.6
R003	R003	721290.445	802729.729	16.1	5.6
R004	R004	720281.094	802669.975	16.1	5.6
R005	R005	719380.514	802663.106	16.2	5.6
R006	R006	718346.336	802491.555	16.2	5.6
R007	R007	717283.768	802438.629	16.3	5.6
R008	R008	716404.034	802359.250	16.3	5.6
R009	R009	715372.114	802159.429	16.4	5.6
R010	R010	714363.707	802089.854	16.4	5.6
R011	R011	713365.520	802029.080	16.4	5.6
R012	R012	712371.051	802008.137	16.5	5.6
R013	R013	711370.025	801911.483	16.5	5.6
R014	R014	710355.534	801861.752	16.6	5.6
R015	R015	709388.161	801760.516	16.6	5.6
R016	R016	708381.879	801637.878	16.6	5.6
R017	R017	707400.158	801608.908	16.7	5.6
R018	R018	706394.165	801568.683	16.7	5.6
R019	R019	705379.976	801511.209	16.8	5.6
R020	R020	704369.228	801464.353	16.8	5.6
R021	R021	703386.555	801399.806	16.9	5.6
R022	R022	702011.402	801308.099	16.9	5.6
R023	R023	701353.683	801281.344	16.9	5.6
R024	R024	700760.040	801240.191	17.0	5.6
R025	R025	700399.147	800669.539	17.0	5.6
R026	R026	699645.447	800158.872	17.1	5.6
R027	R027	698650.371	799975.154	17.1	5.6
R028	R028	697614.706	799739.872	17.2	5.6
R029	R029	696784.036	799561.652	17.2	5.6
R030	R030	695793.653	799332.432	17.2	5.6
R031	R031	694853.554	799095.545	17.3	5.6
R032	R032	693679.858	798770.173	17.3	5.6
R033	R033	692905.177	798643.645	17.4	5.6
R034	R034	691869.990	798478.640	17.4	5.6
R035	R035	690860.669	798398.665	17.4	5.6
R036	R036	689716.136	798347.113	17.5	5.6
R037	R037	688828.044	798295.955	17.5	5.6
R038	R038	687886.061	798295.701	17.6	5.6
R039	R039	686931.793	798242.430	17.6	5.6
R040	R040	685901.197	798018.672	17.7	5.6
R041	R041	685018.397	797921.772	17.7	5.6
R042	R042	684032.049	797772.153	17.7	5.6
R043	R043	683019.391	797569.843	17.8	5.6
R044	R044	682206.337	797415.227	17.8	5.6
R045	R045	681056.033	797175.779	17.9	5.6
R046	R046	680151.863	797150.191	17.9	5.6
R047	R047	679496.785	796983.774	18.0	5.6
R048	R048	678227.410	796832.627	18.0	5.6

County	Florida State Plan Coordinates for Range Monument			100 - Year Storm Elevation (ft.)	100 - Year Storm Design Grade Elevation (ft.)
R49 - 66	R049	677099.613	796734.350	19.1	5.6
R67 - 84	R066	660260.928	794646.654		
R86 - 128	R067	659282.973	794486.288	16.9	5.6
	R084	641774.537	793364.665		
	R086	639983.080	792583.244	19.0	5.6
	R128	597482.108	789511.966		

County	Florida State Plan Coordinates for Range Monument			100 - Year Storm Elevation (ft.)	100 - Year Storm Design Grade Elevation (ft.)
Dade R1 - 50	R001	597480.764	789512.467	18.2	6.8
R53 - 113	R050	545963.700	789523.040		
	R053	542755.065	789248.715	20.4	3.2
R113	485961.703	778137.044			