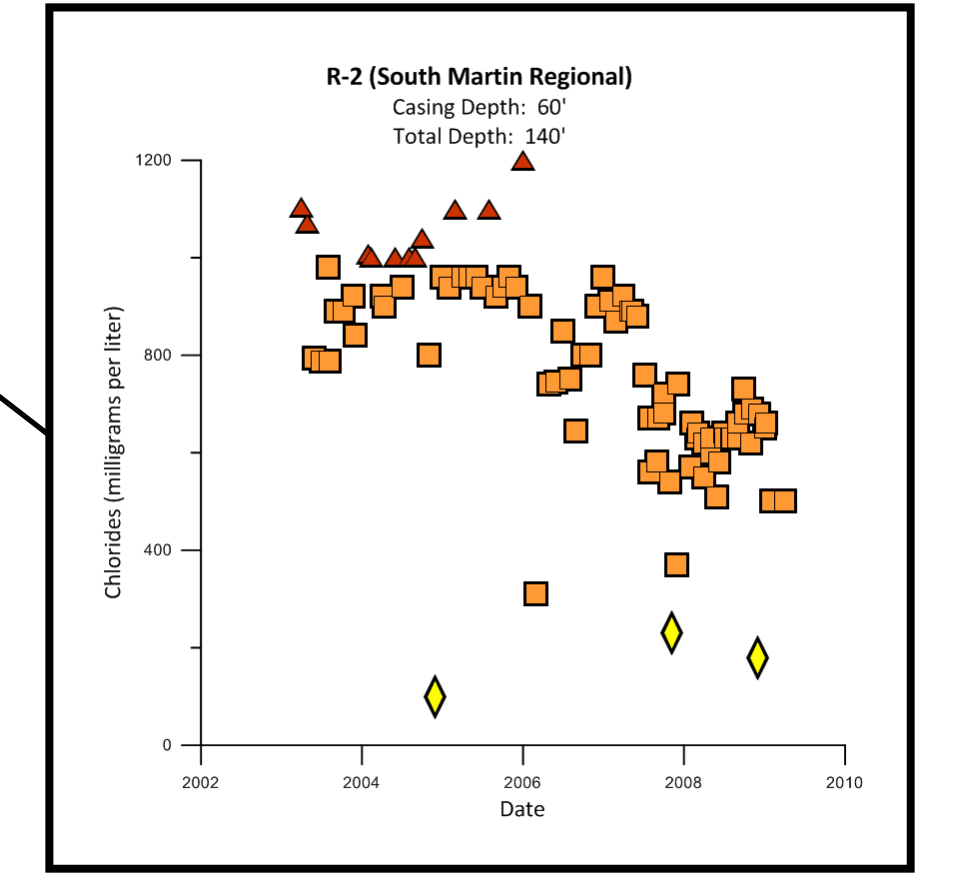
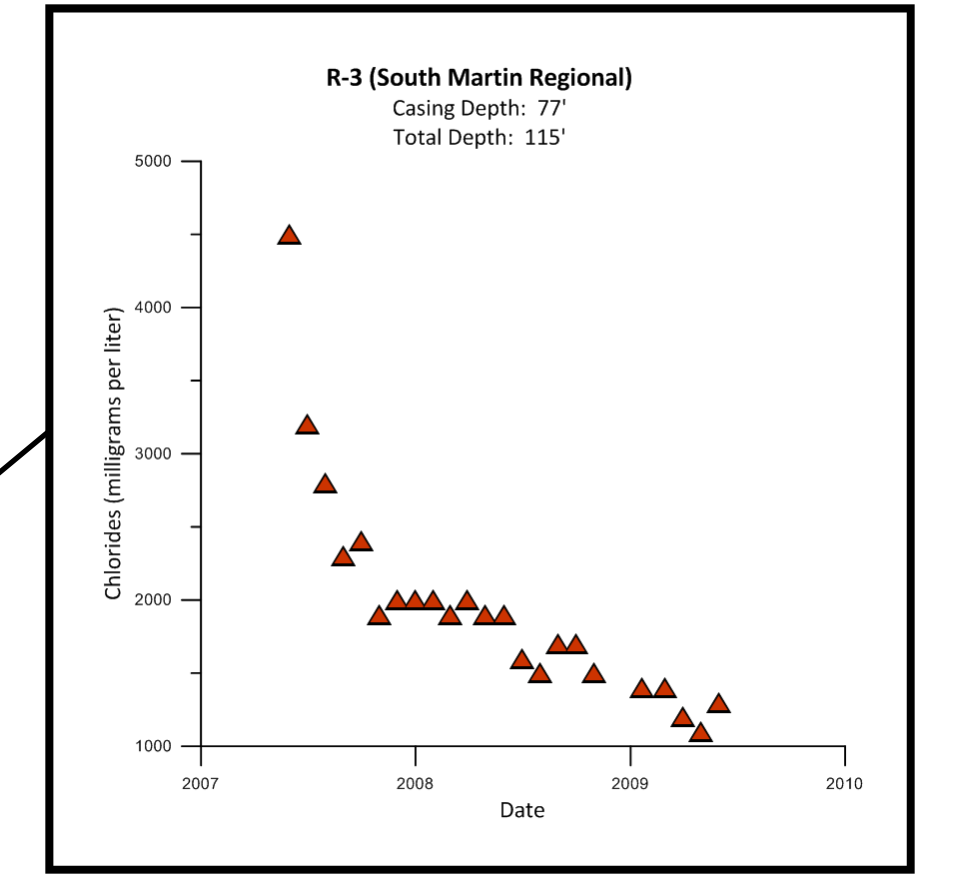
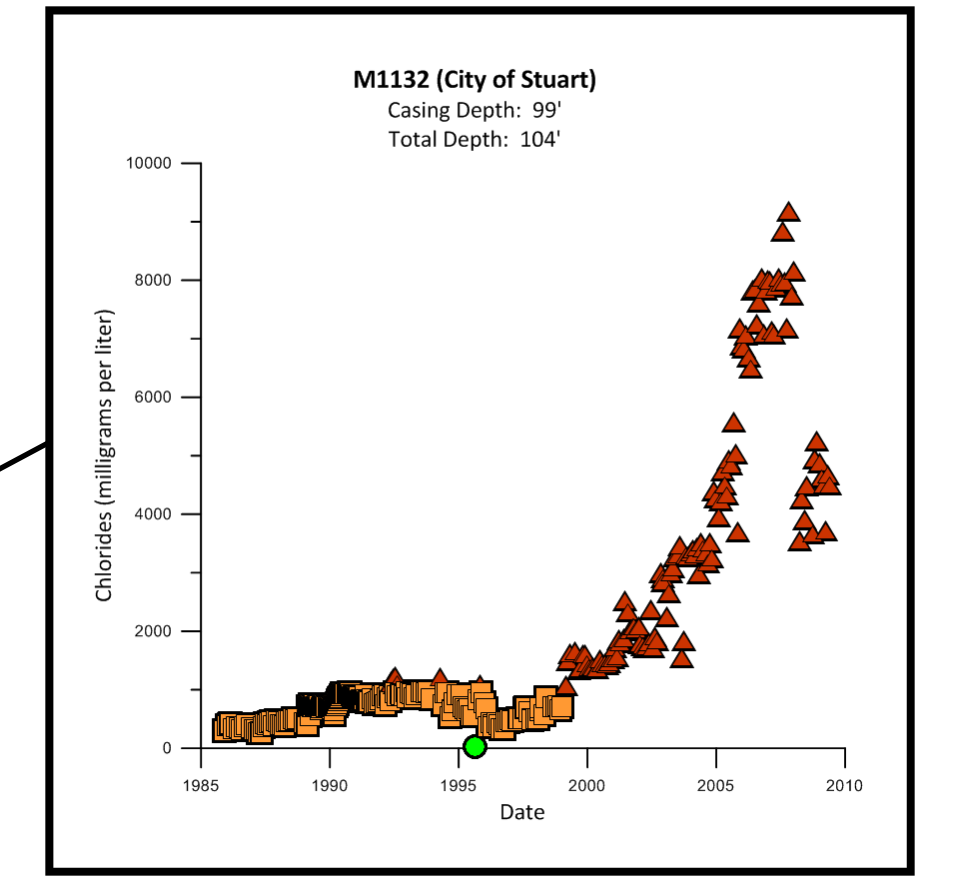
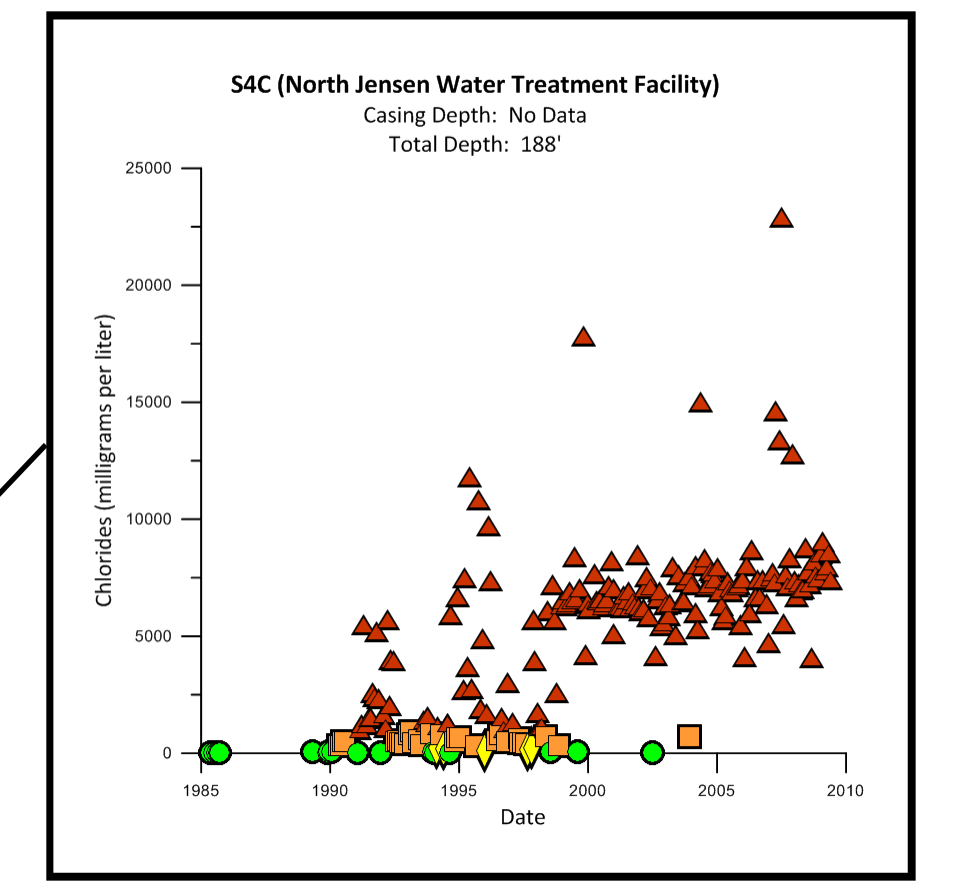
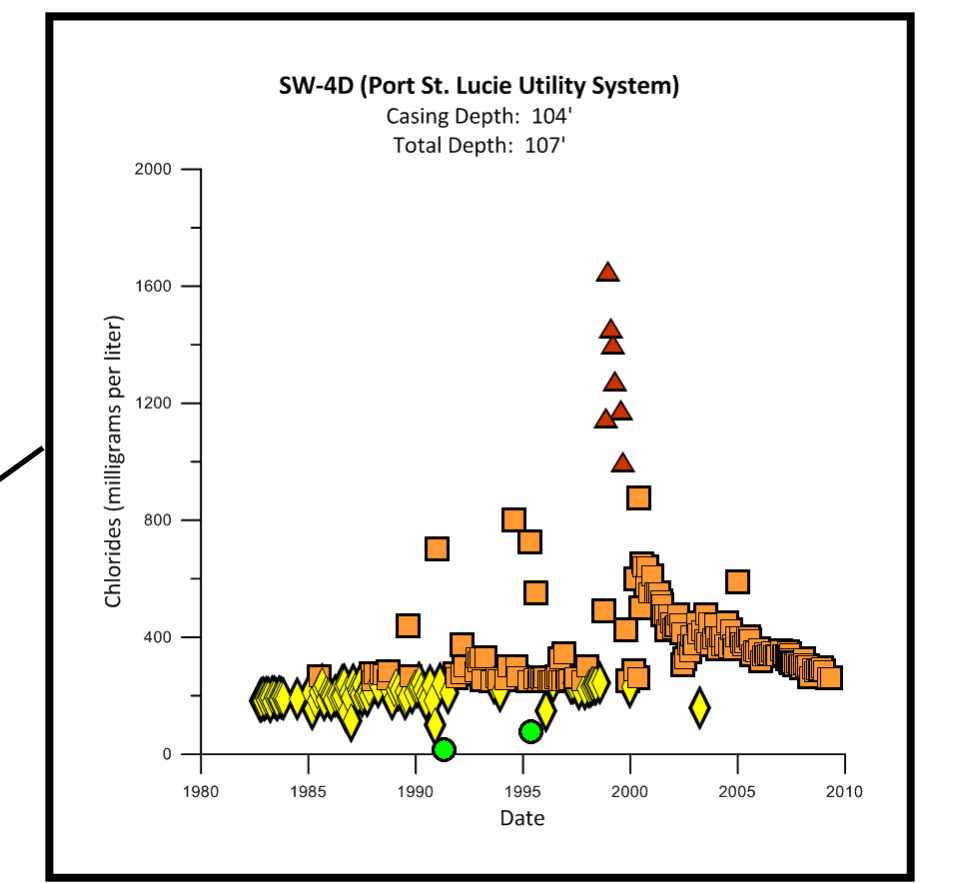
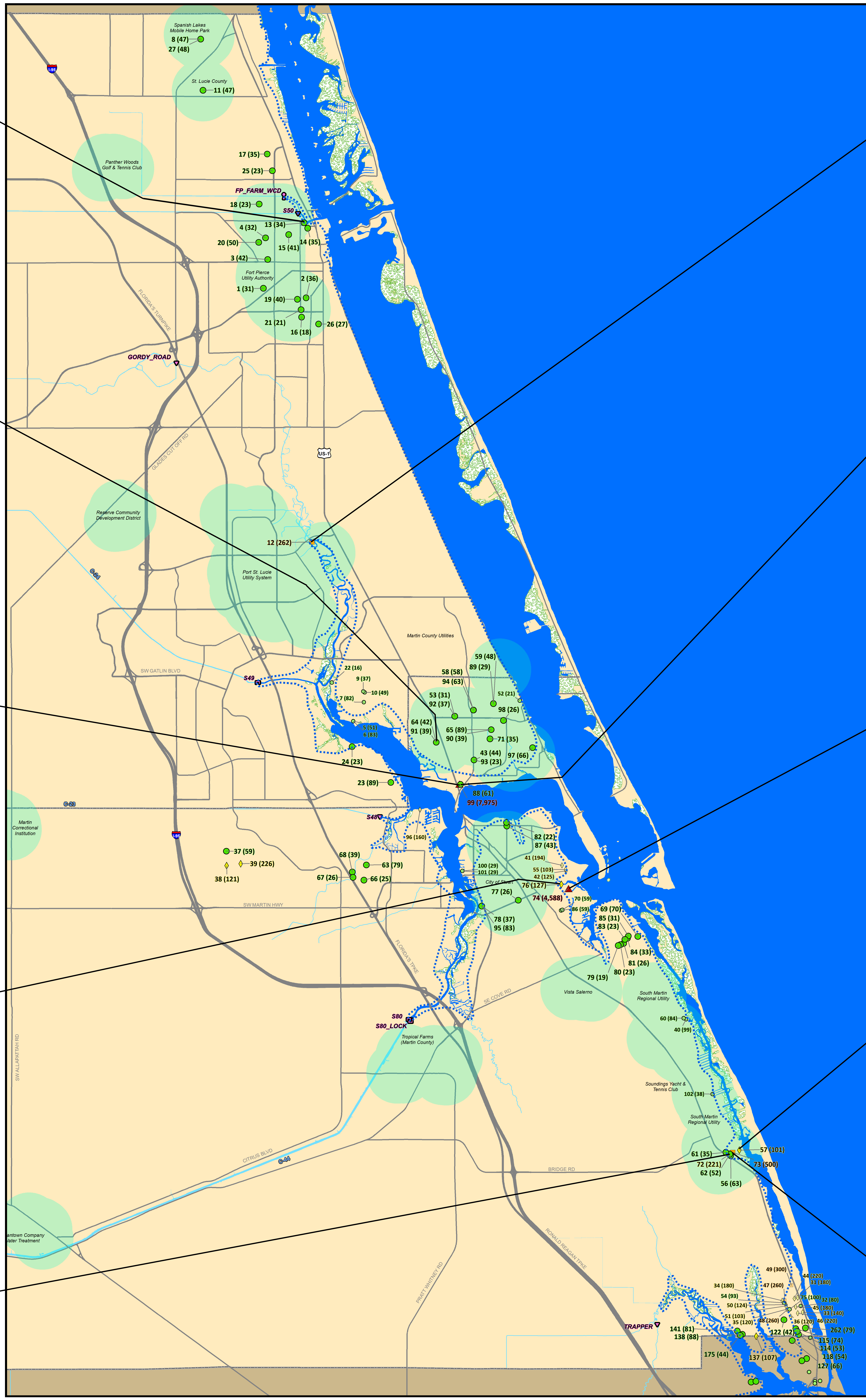
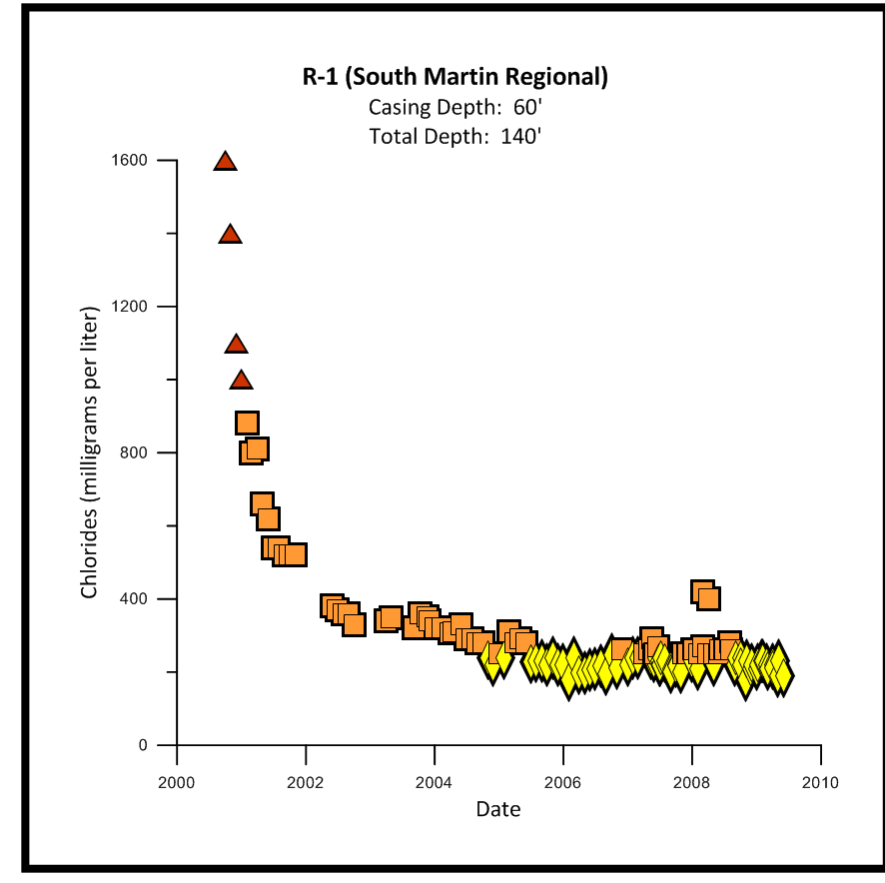
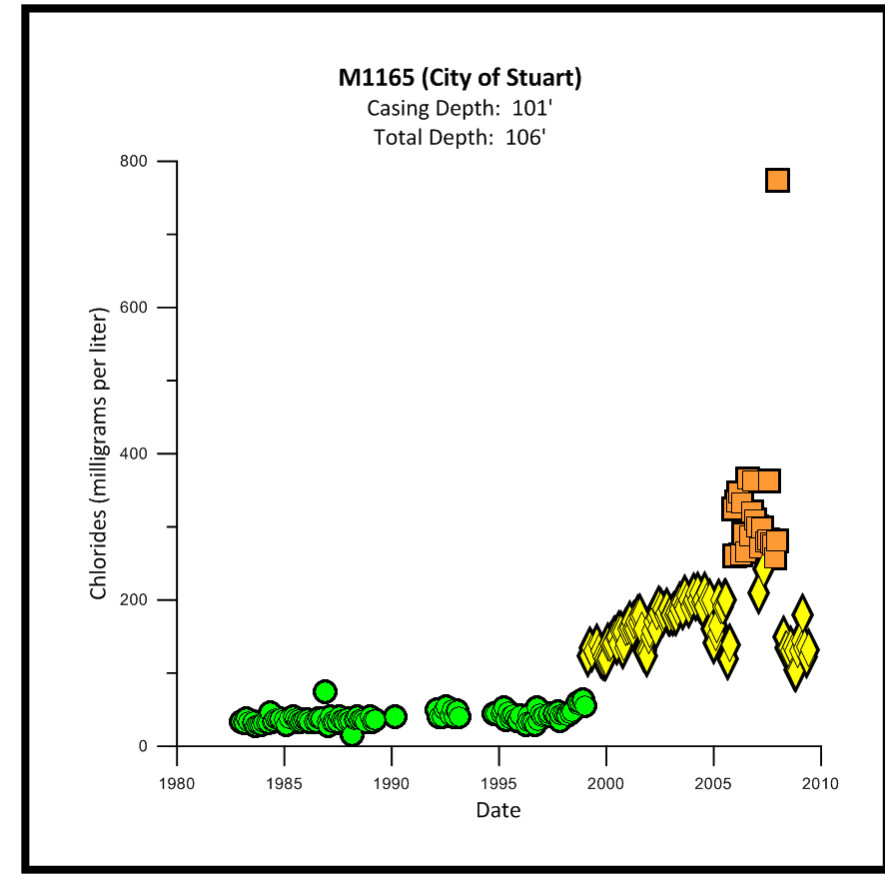
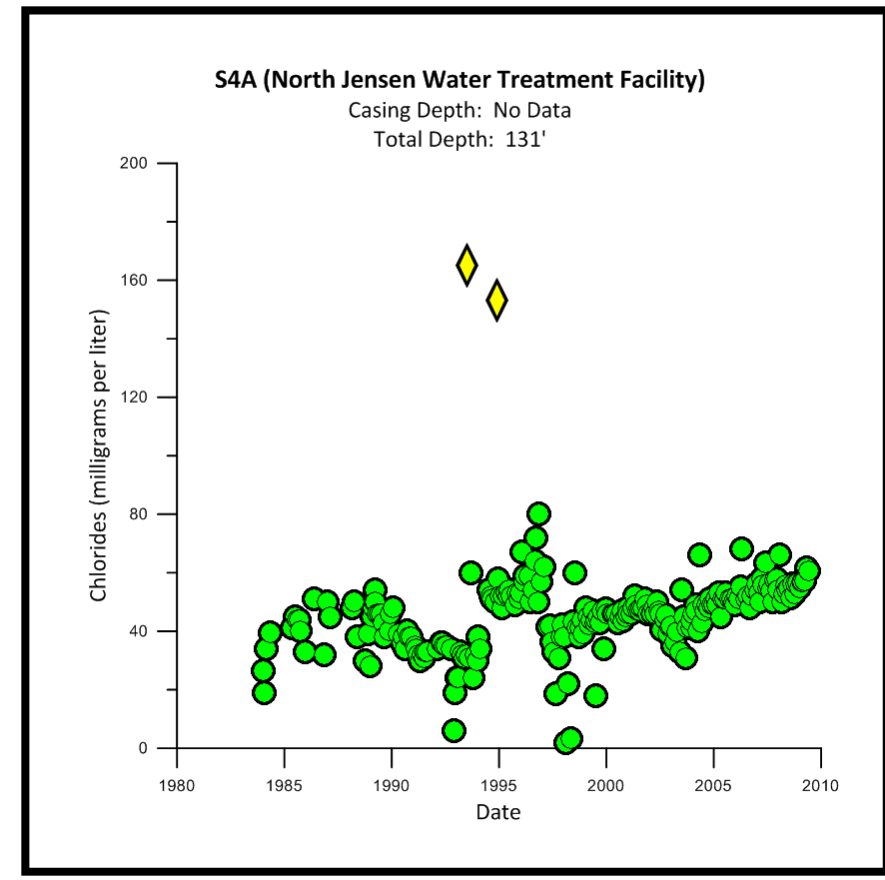
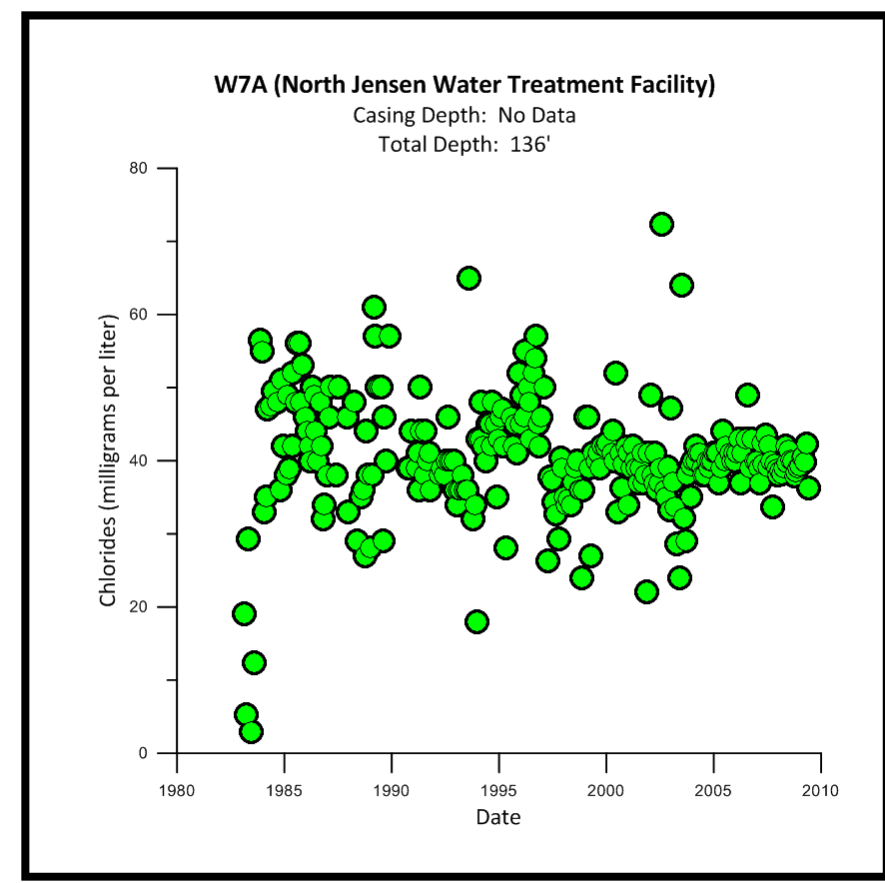
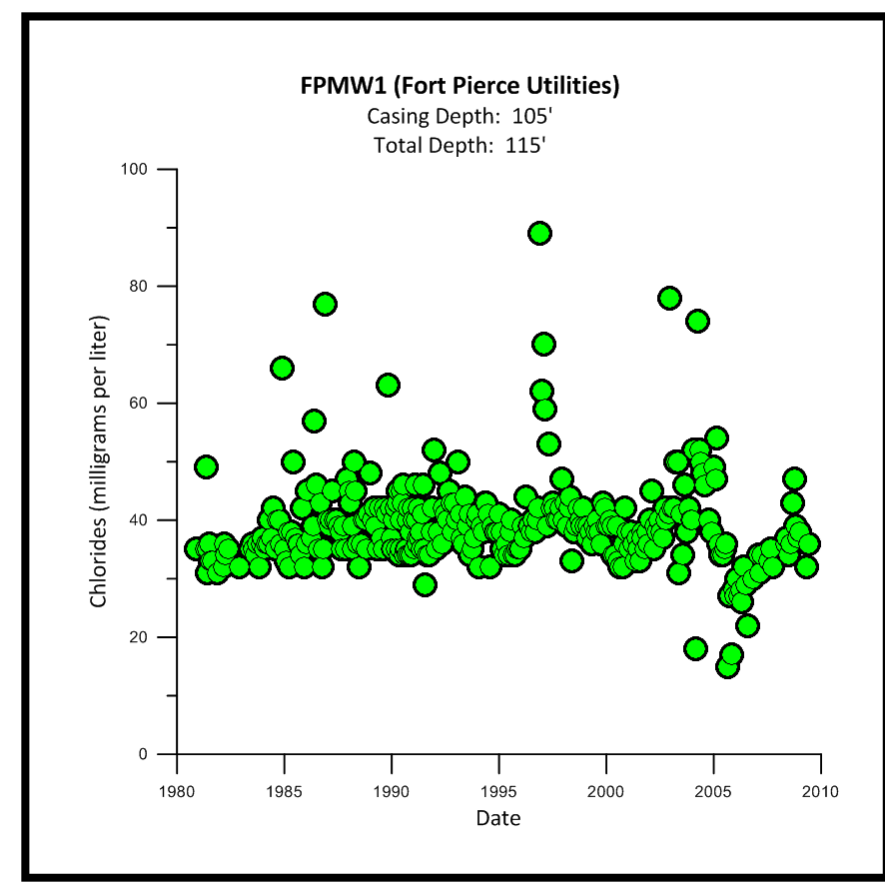


Martin and St. Lucie Counties

Estimated Position of the Saltwater Interface

Surficial Aquifer System

April/May 2009



Map Number	SFWMD Facility ID	St. Lucie County Project Name	Well Name	X	Y	Casing Depth (feet)	Total Depth (feet)	Average Chloride (mg/L)
1	138.839	FORT PIERCE UTILITIES AUTHORITY	FPW12	865186	1128170	20	25	31
2	138.834	FORT PIERCE UTILITIES AUTHORITY	FPW13	872072	1126634	20	25	36
3	138.855	FORT PIERCE UTILITIES AUTHORITY	FPW14	865895	1132790	20	25	42
4	138.857	FORT PIERCE UTILITIES AUTHORITY	FPW16	865545	1132622	20	25	32
51	145.637	CLUB MED SANDPIPER (HOLIDAY VILLAGE OF SANDPIPER, INC.)	MW-2	879647	1068520	30	80	51
61	145.635	CLUB MED SANDPIPER (HOLIDAY VILLAGE OF SANDPIPER, INC.)	MW-1	879647	1068520	50	70	83
71	6.700	CLUB MED SANDPIPER (HOLIDAY VILLAGE OF SANDPIPER, INC.)	P11	881356	1061569	60	110	82
8	1.060	ST LUCIE COUNTY PWS	W-2	855116	1168259	65	95	47
91	6.701	CLUB MED SANDPIPER (HOLIDAY VILLAGE OF SANDPIPER, INC.)	P1	881267	1063303	70	115	37
101	6.702	CLUB MED SANDPIPER (HOLIDAY VILLAGE OF SANDPIPER, INC.)	P2	881464	1063139	70	115	49
11	1.059	ST LUCIE COUNTY PWS	W-1	855469	1160012	76	108	47
12	139.228	PUBLIC SUPPLY WUP (PORT ST. LUCIE UTILITY SYSTEM)	SW-40	873036	1087355	104	107	262
13	138.793	FORT PIERCE UTILITIES AUTHORITY	FPW10	871750	1138704	105	115	34
14	138.794	FORT PIERCE UTILITIES AUTHORITY	FPW12	872316	1137890	105	115	35
15	138.797	FORT PIERCE UTILITIES AUTHORITY	FPW15	869270	1136799	105	115	41
16	138.801	FORT PIERCE UTILITIES AUTHORITY	FPW14	871351	1123530	105	115	18
17	138.809	FORT PIERCE UTILITIES AUTHORITY	FPW13	865823	1149750	105	115	35
18	138.813	FORT PIERCE UTILITIES AUTHORITY	FPW12	864510	1141710	105	115	23
19	138.824	FORT PIERCE UTILITIES AUTHORITY	FPW16	879678	1126406	105	115	40
20	138.835	FORT PIERCE UTILITIES AUTHORITY	FPW15	864433	1135533	105	115	50
21	138.836	FORT PIERCE UTILITIES AUTHORITY	FPW17	871245	1124712	105	115	21
22	138.838	FORT PIERCE UTILITIES AUTHORITY	FPW11	870299	1067444	100	110	16
23	139.464	HARBOR RIDGE	HRR4	885705	1048441	128	131	89
24	139.458	HARBOR RIDGE	HRR2	878459	1054419	144	147	23
25	138.818	FORT PIERCE UTILITIES AUTHORITY	FPW13	866635	1147075	105	115	23
26	138.838	FORT PIERCE UTILITIES AUTHORITY	FPW11	870881	1122409	20	25	37
27	171.647	ST LUCIE COUNTY PWS	MW-1	855116	1168259	No Data	95	48
28	173.753	INDIANWOOD GOLF & COUNTRY CLUB	MW-1	827335	882711	5	15	117
29	173.754	INDIANWOOD GOLF & COUNTRY CLUB	MW-2	828046	882659	5	15	27
30	173.759	INDIANWOOD GOLF & COUNTRY CLUB	MW-4	827979	881949	5	15	439

Map Number	SFWMD Facility ID	Martin County Project Name	Well Name	X	Y	Casing Depth (feet)	Total Depth (feet)	Average Chloride (mg/L)
31	215.629	JUPITER HILLS CLUB	SMW1E	951146	965766	10	15	180
32	215.630	JUPITER HILLS CLUB	SMW4E	951613	964407	10	15	80
33	215.631	JUPITER HILLS CLUB	SMW7E	951945	963421	10	15	140
34	215.632	JUPITER HILLS CLUB	SMW1W	948566	965278	10	15	180
35	215.633	JUPITER HILLS CLUB	SMW1W	949423	963919	10	15	120
36	215.634	JUPITER HILLS CLUB	SMW7W	949294	962716	10	15	120
37	167.940	PALM CITY INDUSTRIAL PARK	MW-1	852440	1037595	15	20	59
38	167.950	PALM CITY INDUSTRIAL PARK	MW-2	852978	1035292	15	20	121
39	167.951	PALM CITY INDUSTRIAL PARK	MW-3	861556	1035591	15	20	226
40	194.658	LOBLOLLY BAY	Monitor Well	933375	1010574	17	23	99
41	22.016	MARTIN COUNTY GOLF & COUNTRY CLUB	MW-2	913237	1035317	35	40	194
42	22.018	MARTIN COUNTY GOLF & COUNTRY CLUB	MW-3	913347	1034440	35	40	125
43	154.831	NORTH JENSEN WATER TREATMENT FACILITY	W25	899067	1052261	No Data	38	44
44	215.635	JUPITER HILLS CLUB	SMW2E	950617	965620	40	60	220
45	215.636	JUPITER HILLS CLUB	SMW5E	950824	964292	40	60	180
46	215.637	JUPITER HILLS CLUB	SMW8E	951156	963276	40	60	220
47	215.638	JUPITER HILLS CLUB	SMW2W	949040	965299	40	60	260
48	215.639	JUPITER HILLS CLUB	SMW5W	949000	963940	40	60	360
49	215.640	JUPITER HILLS CLUB	SMW8W	950119	967757	40	60	300
50	16.958	JUPITER HILLS CLUB	JHW12	949231	964662	45	64	124
51	16.962	JUPITER HILLS CLUB	JHW11	949258	964438	45	64	103
52	160.905	CONCHY JOE'S ANCILLARY BUILDINGS	W-1	906422	1061843	47	63	21
53	154.835	NORTH JENSEN WATER TREATMENT FACILITY	W48	895964	1059318	No Data	49	31
54	16.959	JUPITER HILLS CLUB	JHW13	949218	964926	50	80	93
55	22.015	MARTIN COUNTY GOLF & COUNTRY CLUB	MW-1	913112	1034660	50	60	103
56	7.395	SOUTH MARTIN REGIONAL UTILITY	W5	940349	988615	54	65	61
57	156.036	SOUTH MARTIN REGIONAL UTILITY	S-W-1D	941750	989502	No Data	57	103
58	154.836	NORTH JENSEN WATER TREATMENT FACILITY	W5A Master	898975	1060286	No Data	58	58
59	154.838	NORTH JENSEN WATER TREATMENT FACILITY	W6B	902192	1061151	No Data	60	48
60	194.527	LOBLOLLY BAY	Well 1	932770	1010729	60	80	84
61	7.383	SOUTH MARTIN REGIONAL UTILITY	J05	939274	989141	65	105	35
62	7.384	SOUTH MARTIN REGIONAL UTILITY	S-5	940217	988875	66	96	52
63	137.089	MARTIN DOWNS WATER PLANT SYSTEM	MD2D	881572	1035368	67	107	79
64	154.840	NORTH JENSEN WATER TREATMENT FACILITY	W78	893004	1055125	No Data	68	42
65	154.833	NORTH JENSEN WATER TREATMENT FACILITY	W38	901844	1057154	No Data	69	89
66	137.095	MARTIN DOWNS WATER PLANT SYSTEM	MD5D	881363	1032918	70	165	25

Map Number	SFWMD Facility ID	Martin County Project Name	Well Name	X	Y	Casing Depth (feet)	Total Depth (feet)	Average Chloride (mg/L)
67	137.087	MARTIN DOWNS WATER PLANT SYSTEM	MD1D	879600	1033402	80	125	26
68	137.091	MARTIN DOWNS WATER PLANT SYSTEM	MD10	879495	1032451	80	125	39
69	139.840	MILES GRANT PUBLIC WATER SUPPLY	MGD-1	925411	1023863	80	110	70
70	24.140	THE YACHT AND COUNTRY CLUB INC	1	913276	1028162	87	87	59
71	154.843	NORTH JENSEN WATER TREATMENT FACILITY	W9	901627	1055666	No Data	88	35
72	126.457	SOUTH MARTIN REGIONAL UTILITY	R-1	940215	958863	90	140	211
73	126.458	SOUTH MARTIN REGIONAL UTILITY	R-2	940687	989119	90	140	500
74	117.871	CITY OF STUART PUBLIC WATER SUPPLY	M1132	914289	1031583	99	104	4,588
75	215.645	JUPITER HILLS CLUB	SMW1W	949818	963909	100	120	100
76	117.881	CITY OF STUART PUBLIC WATER SUPPLY	M1165	913110	1032962	101	106	127
77	117.872	CITY OF STUART PUBLIC WATER SUPPLY	M1141	906171	1029715	104	109	26
78	117.873	CITY OF STUART PUBLIC WATER SUPPLY	M1146	909096	1028770	105	110	37
79	27.216	MILES GRANT PUBLIC WATER SUPPLY	P-1	922254	1022411	110	127	39
80	27.217	MILES GRANT PUBLIC WATER SUPPLY	P-2	922617	1022565	110	127	23
81	27.218	MILES GRANT PUBLIC WATER SUPPLY	P-3	923155	1022763	110	127	26
82	117.878	CITY OF STUART PUBLIC WATER SUPPLY	M1158	904288	1042225	123	128	22
83	27.219	MILES GRANT PUBLIC WATER SUPPLY	P-4	923333	1022409	126	143	23
84	27.220	MILES GRANT PUBLIC WATER SUPPLY	P-5	923728	1023573	126	143	33
85	27.221	MILES GRANT PUBLIC WATER SUPPLY	P-6	923885	1023844	126	143	31
86	5.888	THE YACHT AND COUNTRY CLUB INC	1	913061	1028964	No Data	126	59
87	117.867	CITY OF STUART PUBLIC WATER SUPPLY	M1011	904335	1041647	128	165	43
88	154.816	MARTIN COUNTY - NORTH JENSEN WTP	S4A	896884	1048359	No Data	131	61
89	154.837	NORTH JENSEN WATER TREATMENT FACILITY	W6A	902187	1061346	No Data	132	29
90	154.832	NORTH JENSEN WATER TREATMENT FACILITY	W5A	901839	1057149	No Data	135	39
91	154.839	NORTH JENSEN WATER TREATMENT FACILITY	W7A	892799	1055120	No Data	136	39
92	154.834	NORTH JENSEN WATER TREATMENT FACILITY	W4A	895959	1059313	No Data	138	37
93	154.830	NORTH JENSEN WATER TREATMENT FACILITY	W2D	899061	1052256	No Data	138	23
94	154.836	NORTH JENSEN WATER TREATMENT FACILITY	W5A Spinnah	898985	1060286	No Data	140	63
95	117.874	CITY OF STUART PUBLIC WATER SUPPLY	M1147	909096	1028770	142	147	83
96	189.558	PALM COVE GOLF AND YACHT CLUB	2 (MW-3)	890384	1044622	142	142	160
97	154.833	NORTH JENSEN WATER TREATMENT FACILITY	M-1043	908501	1054250	No Data	152	66
98	154.842	NORTH JENSEN WATER TREATMENT FACILITY	W8	903806	1058643	No Data	184	26
99	154.817	MARTIN COUNTY - NORTH JENSEN WTP	S4C	896720	1048392	No Data	188	7,975
100	150.034	CIRCLE BAY YACHT CLUB	D1	897188	1034406	116	126	29
101	150.025	CIRCLE BAY YACHT CLUB	06	897188	1034406	114	124	29
102	52.961	SOUNDINGS YACHT & TENNIS CLUB	Gomez Irrig. (east)	937430	998513	74	85	38

* These wells may have less analytical precision.

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Structures

- Culvert
- Lock
- Pump
- Spillway
- Weir

PWS[†] Chlorides

- <=100 mg/L
- 101 - 250 mg/L
- 251 - 1,000 mg/L
- >1,000 mg/L

Non-PWS[†] Chlorides

- <=100 mg/L
- 101 - 250 mg/L
- 251 - 1,000 mg/L
- >1,000 mg/L

Wells

- 433 (3900) Map Number (chloride)

Wellfield Areas

- Saline Water Bodies
- Freshwater Bodies
- Mangrove and Salt Marsh
- Roads
- Estimated 250 mg/L isochlor, 2009 (updated)

[†] PWS = Public Water Supply

Well and chloride information was obtained from USGS and SFWMD records. Chloride values are given in milligrams per liter (mg/L). Map data represent the average of available chloride values for the period of April/May 2009. Graphs of selected wells represent the period of record for each well through May 2009. The dashed isochlor line marks an approximation of the farthest inland extent of the saltwater interface as defined by the 250 mg/L chloride concentration in groundwater and/or the farthest inland extent of saline surface water. The 2009 isochlor was updated in 2014/2015 to incorporate new and corrected data.



Hydrogeology Unit

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Prepared by: Resource Evaluation - addoc
Rev. September 2015
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