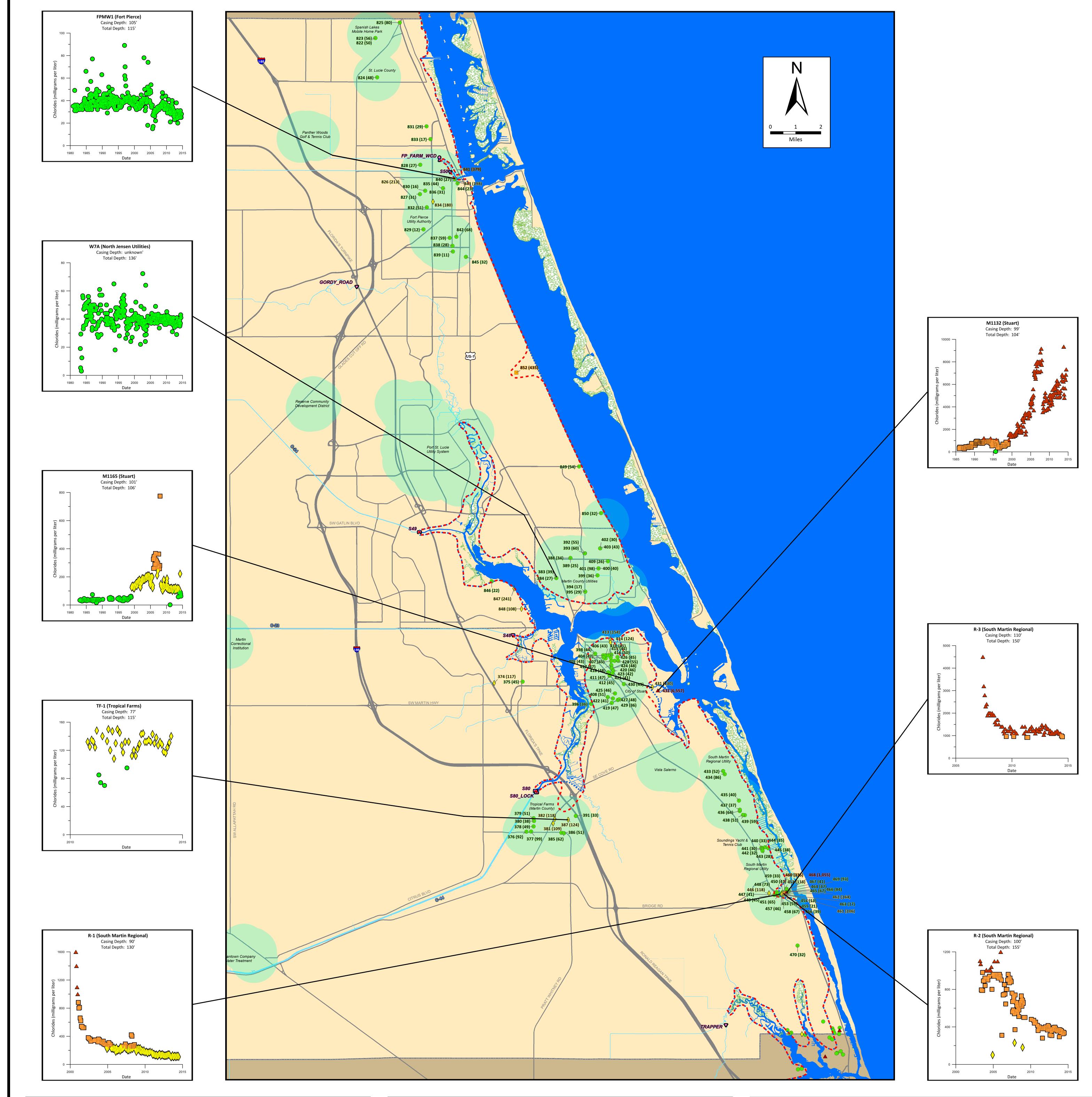
Martin and St. Lucie Counties Estimated Position of the Saltwater Interface Surficial Aquifer System March/April/May 2014



Map SFWMD Facility	St. Lucie County	Well Name		Chloride Map	SFWMD Martin County	Well Name	Casing Total Average X Y Depth Depth Chloride	Map SFWMD Martin County	Well Name	Casing Total Average X Y Depth Depth Chloride
Number ID	Project Name		(feet bls) (feet bls)	(mg/L) Number	ID Project Name		(feet bls) (feet bls) (mg/L)	Number ID Project Name	WeinHume	(feet bls) (feet bls) (mg/L)
822 171647 ST	LUCIE COUNTY	MW-1	855116 1168259 No Data 95	50 374	137100 MARTIN DOWNS WATER PLANT SYSTEM	MDOW3D	879989 1033133 No Data 139 117	423 45028 CITY OF STUART PUBLIC WATER SUPPLY	15	904952 1035684 112 126 42
	LUCIE COUNTY		855116 1168259 65 95	56 375	137099 MARTIN DOWNS WATER PLANT SYSTEM	MD8S	885946 1033416 No Data 60 45	424 45024 CITY OF STUART PUBLIC WATER SUPPLY	11	905226 1037781 120 135 48
	LUCIE COUNTY		855469 1160012 76 108	48 376	20963 TROPICAL FARMS WATER TREATMENT PLANT	TF-3	886755 1001986 70 120 92	425 45041 CITY OF STUART PUBLIC WATER SUPPLY		905292 1030931 105 135 46
825			860220 1171495 38 42	80 377	20962 TROPICAL FARMS WATER TREATMENT PLANT	TF-2	887732 1002000 60 120 99	426 45022 CITY OF STUART PUBLIC WATER SUPPLY	9	905822 1038558 105 120 45
	RT PIERCE UTILITIES AUTHORITY		864433 1135533 105 115	31 378	20992 TROPICAL FARMS WATER TREATMENT PLANT	TF-12	888248 1003070 60 120 49	427 45039 CITY OF STUART PUBLIC WATER SUPPLY	26	905876 1029571 105 135 48
	RT PIERCE UTILITIES AUTHORITY		864510 1141710 105 115	27 379	21022 TROPICAL FARMS WATER TREATMENT PLANT	TF-10	888248 1004797 60 120 51	428 45025 CITY OF STUART PUBLIC WATER SUPPLY	12	905969 1037788 120 135 55
	RT PIERCE UTILITIES AUTHORITY		865186 1128170 20 25	12 380	20964 TROPICAL FARMS WATER TREATMENT PLANT	TF-9	888330 1004232 72 120 38	429 117872 CITY OF STUART PUBLIC WATER SUPPLY	 M1141	906171 1029715 104 109 36
	RT PIERCE UTILITIES AUTHORITY		865545 1136262 20 25	16 381	155094 TROPICAL FARMS WATER TREATMENT PLANT	TF-19	892316 1003682 70 110 109	430 45035 CITY OF STUART PUBLIC WATER SUPPLY	22	907172 1032891 105 122 43
	RT PIERCE UTILITIES AUTHORITY		865823 1149750 105 115	29 382	155095 TROPICAL FARMS WATER TREATMENT PLANT	TF-22	892675 1004631 65 105 118	431 117881 CITY OF STUART PUBLIC WATER SUPPLY	 M1165	913110 1032282 101 106 130
832 138855 FO	RT PIERCE UTILITIES AUTHORITY		865895 1132790 20 25	51 383	154839 MARTIN COUNTY UTILITIES NORTH JENSEN	W7A	892999 1055120 No Data 136 39	432 117871 CITY OF STUART PUBLIC WATER SUPPLY	M1132	914289 1031583 99 104 6,557
833 138818 FO	RT PIERCE UTILITIES AUTHORITY		866638 1147075 105 115	17 384	154840 MARTIN COUNTY UTILITIES NORTH JENSEN	W7B	893004 1055125 No Data 68 27	433 21349 SOUTH MARTIN REGIONAL UTILITY	N14	927948 1014674 189 203 52
834 138858 FO	RT PIERCE UTILITIES AUTHORITY	FPWT7	867162 1133977 20 25	180 385	20990 TROPICAL FARMS WATER TREATMENT PLANT	TF-8	894074 1001749 50 90 62	434 21350 SOUTH MARTIN REGIONAL UTILITY	N15	928275 1014032 189 206 86
836 138797 FO	RT PIERCE UTILITIES AUTHORITY	FPMW3	869270 1136799 105 115	31 386	20991 TROPICAL FARMS WATER TREATMENT PLANT	TF-7	894602 1001687 50 90 51	435 29347 SOUTH MARTIN REGIONAL UTILITY	N16	931261 1008485 150 160 40
837 138824 FO	RT PIERCE UTILITIES AUTHORITY	FPTW4	870676 1126406 105 115	59 387	20989 TROPICAL FARMS WATER TREATMENT PLANT	TF-1	895481 1004485 77 115 124	436 28889 SOUTH MARTIN REGIONAL UTILITY	N4A	931435 1006297 135 150 64
838 138836 FO	RT PIERCE UTILITIES AUTHORITY	FPTW7	871245 1124712 105 115	28 388	154834 MARTIN COUNTY UTILITIES NORTH JENSEN	W4A	895959 1059313 No Data 138 34	437 124614 SOUTH MARTIN REGIONAL UTILITY	N3A	931447 1006573 204 214 37
839 138801 FO	RT PIERCE UTILITIES AUTHORITY	FPMW4	871351 1123530 105 115	11 389	154835 MARTIN COUNTY UTILITIES NORTH JENSEN	W4B	895964 1059318 No Data 49 25	438 28884 SOUTH MARTIN REGIONAL UTILITY	N1A	932105 1005490 120 130 51
840 138793 FO	RT PIERCE UTILITIES AUTHORITY	FPMW1	871750 1138704 105 115	27 390	257863 TROPICAL FARMS WATER TREATMENT PLANT	TF-MW-1S	897100 1005275 No Data 20 7	439 28885 SOUTH MARTIN REGIONAL UTILITY	N2A	932503 1005430 120 130 59
842 138854 FO	RT PIERCE UTILITIES AUTHORITY	FPWT3	872072 1126634 20 25	68 391	257864 TROPICAL FARMS WATER TREATMENT PLANT	TF-MW-1D	897105 1005265 No Data 140 33	440 32955 SOUNDINGS YACHT & TENNIS CLUB	North (PW3)	935968 998635 90 110 33
844 138794 FO	RT PIERCE UTILITIES AUTHORITY	FPMW2	872316 1137830 105 115	23 392	154866 MARTIN COUNTY UTILITIES NORTH JENSEN	W5A Master	898975 1060286 No Data 58 55	441 32965 SOUNDINGS YACHT & TENNIS CLUB	Replacement PW2	936035 998373 74 84 30
845 138838 FO	RT PIERCE UTILITIES AUTHORITY	FPWT1	874084 1122409 20 25	32 393	154836 MARTIN COUNTY UTILITIES NORTH JENSEN	W5A Savannah	898985 1060296 No Data 140 60	442 140068 SOUNDINGS YACHT & TENNIS CLUB	MW1	936107 998428 No Data 84 32
846 139458 HA			879459 1054419 144 147	22 394	154830 MARTIN COUNTY UTILITIES NORTH JENSEN	W2D	899061 1052256 No Data 138 17	443 32959 SOUNDINGS YACHT & TENNIS CLUB	South (PW1)	936202 997942 74 84 28
	RBOUR RIDGE		884156 1052930 128 131	241 395	154831 MARTIN COUNTY UTILITIES NORTH JENSEN	W2S	899067 1052261 No Data 38 29	444 32963 SOUNDINGS YACHT & TENNIS CLUB	WWTP irrig. (west)	936736 998713 74 84 35
848 139464 HA	RBOUR RIDGE		885705 1048641 128 131	108 396	117873 CITY OF STUART PUBLIC WATER SUPPLY	M1146	900306 1028770 105 110 36	445 32961 SOUNDINGS YACHT & TENNIS CLUB	Gomez irrig. (east)	937430 998513 74 84 38
849			897780 1078485 146 147	54 397	117874 CITY OF STUART PUBLIC WATER SUPPLY	M1147	900306 1028770 142 147 58	446 124616 SOUTH MARTIN REGIONAL UTILITY	S19	937541 989080 70 125 118
	ENLAWN PLANTATION		902371 1068708 63 105	32 398	139989 CITY OF STUART PUBLIC WATER SUPPLY	M1090	901146 1039278 No Data 128 44	447 7387 SOUTH MARTIN REGIONAL UTILITY	S14	938678 988729 60 100 41
852		STL278_G	884653 1098165 No Data 15	435 399	154843 MARTIN COUNTY UTILITIES NORTH JENSEN	W9	901627 1055666 No Data 88 36	448 7389 SOUTH MARTIN REGIONAL UTILITY	S16	939126 989321 65 105 73
				400	154832 MARTIN COUNTY UTILITIES NORTH JENSEN	W3A	901839 1057149 No Data 135 40	449 7398 SOUTH MARTIN REGIONAL UTILITY	S9	939327 988608 55 104 45
				401	154833 MARTIN COUNTY UTILITIES NORTH JENSEN	W3B	901844 1057154 No Data 69 98	450 7383 SOUTH MARTIN REGIONAL UTILITY	S10	939574 989141 65 105 41
				402	154837 MARTIN COUNTY UTILITIES NORTH JENSEN	W6A	902187 1061346 No Data 132 30	451 7397 SOUTH MARTIN REGIONAL UTILITY	S8	939612 988606 60 104 65
				403	154838 MARTIN COUNTY UTILITIES NORTH JENSEN	W6B	902192 1061351 No Data 60 43	452 126457 SOUTH MARTIN REGIONAL UTILITY	R-1	940213 988863 90 130 118
				404	45014 CITY OF STUART PUBLIC WATER SUPPLY	1	902813 1038924 105 123 47	453 7394 SOUTH MARTIN REGIONAL UTILITY	S5	940217 988875 66 96 55
				405	45015 CITY OF STUART PUBLIC WATER SUPPLY	2	902897 1038501 105 123 43	454 156048 SOUTH MARTIN REGIONAL UTILITY	SW-7	940232 988816 No Data 115 13
				406	45016 CITY OF STUART PUBLIC WATER SUPPLY	3	903329 1038951 105 123 43	455 156050 SOUTH MARTIN REGIONAL UTILITY	SW-7DL	940232 988816 No Data 159 21
Structures	Chlorides	Wellfield Areas		407	45017 CITY OF STUART PUBLIC WATER SUPPLY	4	903336 1038281 105 120 45	456 156051 SOUTH MARTIN REGIONAL UTILITY	SW-7T	940232 988816 No Data 119 39
				408	45042 CITY OF STUART PUBLIC WATER SUPPLY	29	903772 1030175 105 135 51	457 156049 SOUTH MARTIN REGIONAL UTILITY	SW-7D	940232 988816 No Data 65 46
🛚 Lock	─ <=100 mg/L	🗲 Saline Water Bodies	6		154842 MARTIN COUNTY UTILITIES NORTH JENSEN	W8	903806 1058643 No Data 184 26	458 7395 SOUTH MARTIN REGIONAL UTILITY	S6	940349 988615 54 85 67
		Freshwater Bodies			45018 CITY OF STUART PUBLIC WATER SUPPLY	5	903913 1038941 105 120 41	459 156277 SOUTH MARTIN REGIONAL UTILITY	SW-12D	940440 989327 No Data 140 33
8 Pump	🔶 101 - 250 mg/L	Fleshwater Doules			45037 CITY OF STUART PUBLIC WATER SUPPLY	24	903913 1035374 105 130 47	460 126458 SOUTH MARTIN REGIONAL UTILITY	R-2	940687 989119 100 155 335
	📃 251 - 1,000 mg/L	🚳 Mangrove and Saltw	water Marsh		45038 CITY OF STUART PUBLIC WATER SUPPLY	25	904186 1034671 105 130 45	461 156039 SOUTH MARTIN REGIONAL UTILITY	SW-3DLR	940956 989021 174 184 106
🗖 Spillway	201 - 1,000 Mg/L	•			117878 CITY OF STUART PUBLIC WATER SUPPLY	M1158	904288 1042225 123 128 154	462 156038 SOUTH MARTIN REGIONAL UTILITY	SW-3DR	940956 989021 115 125 164
♥ Weir	▲ >1,000 mg/L	— Roads			117867 CITY OF STUART PUBLIC WATER SUPPLY	M1011	904335 1041647 128 165 124	463 156282 SOUTH MARTIN REGIONAL UTILITY	SW-14D	940996 988771 No Data 121 17
	;				260105 CITY OF STUART PUBLIC WATER SUPPLY	/K	904399 1038478 80 117 44	464 156280 SOUTH MARTIN REGIONAL UTILITY	SW-13DL	941162 989347 No Data 198 47
	Wells Estimated 250 mg/L isochlor, 2009 (updated)				45021 CITY OF STUART PUBLIC WATER SUPPLY 45023 CITY OF STUART PUBLIC WATER SUPPLY	10	904516 1039094 105 120 50 904519 1037778 120 135 47	465156278SOUTH MARTIN REGIONAL UTILITY466156279SOUTH MARTIN REGIONAL UTILITY	SW-13D	941162 989347 No Data 115 67 941162 989347 No Data 79 84
		Estimated 250 mg/L	isochlor 2014		45026 CITY OF STUART PUBLIC WATER SUPPLY	13	904532 1036884 112 126 48	466 156279 SOUTH MARTIN REGIONAL UTILITY 467 156055 SOUTH MARTIN REGIONAL UTILITY	SW-13S SW-11	941162 989347 No Data 79 84 941206 990035 No Data 47 41
	▲ 433 (3900)	Estimated 200 mg/L			45040 CITY OF STUART PUBLIC WATER SUPPLY	27	904622 1028952 105 135 47	467 156055 SOUTH MARTIN REGIONAL UTILITY 468 126459 SOUTH MARTIN REGIONAL UTILITY	R-3	941206 990055 No Data 47 41 941206 989324 110 150 1,055
	Map Number ^(chloride)				45027 CITY OF STUART PUBLIC WATER SUPPLY	14	904642 1036248 104 120 46	469 156036 SOUTH MARTIN REGIONAL UTILITY	SW-1D	941750 989502 No Data 57 93
	numper ·			420	45036 CITY OF STUART PUBLIC WATER SUPPLY	23	904739 1035081 105 130 41	470	M-1073_G	943527 978126 54 57 32
					45043 CITY OF STUART PUBLIC WATER SUPPLY	30	904862 1029892 105 135 41			

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 March/April/May 2014. Graphs of selected wells represent the period of record for each well through May 2014. The dashed isochlor lines mark 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 dashed red line corresponds to 2014 data; and the dashed blue line corresponds to 2009 data (updated to reflect a better understanding of saline surface water).

DISCLAIMER:

Hydrogeology Unit

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