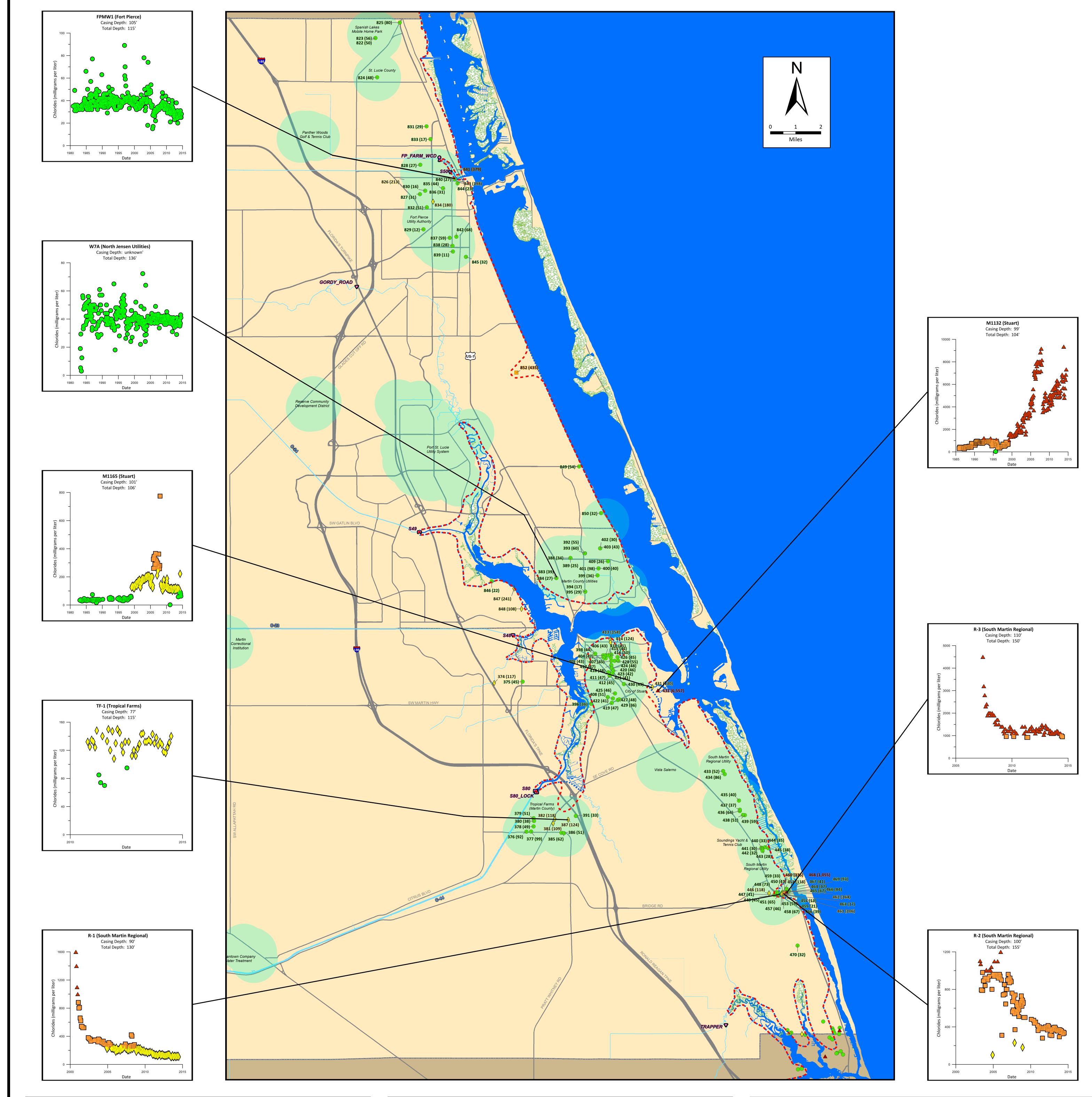
Martin and St. Lucie Counties Estimated Position of the Saltwater Interface Surficial Aquifer System March/April/May 2014



| 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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Prepared By: Resource Evaluation - adodd Rev. October 2014 Martin_StLucie_Isochlor_2014.pdf