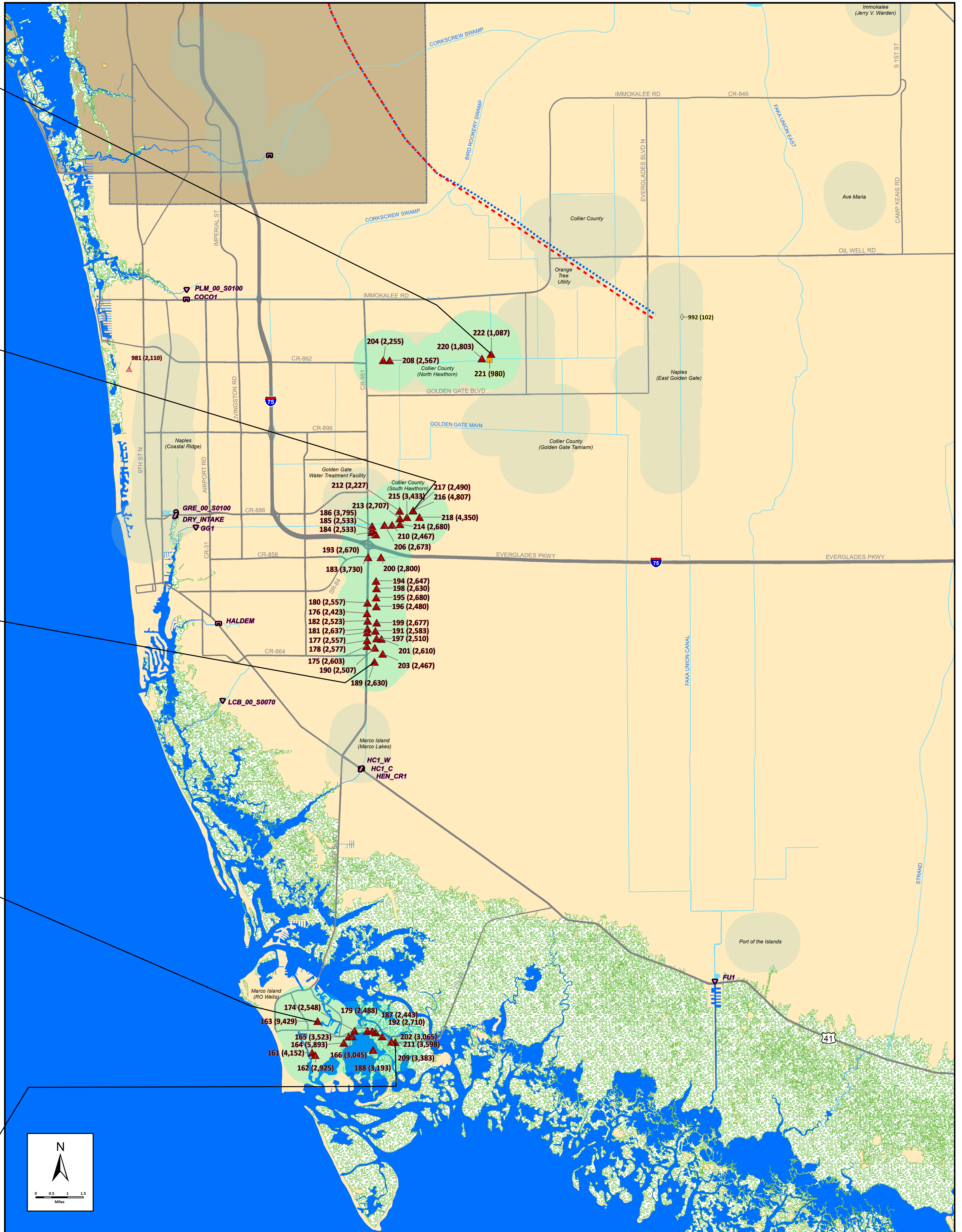
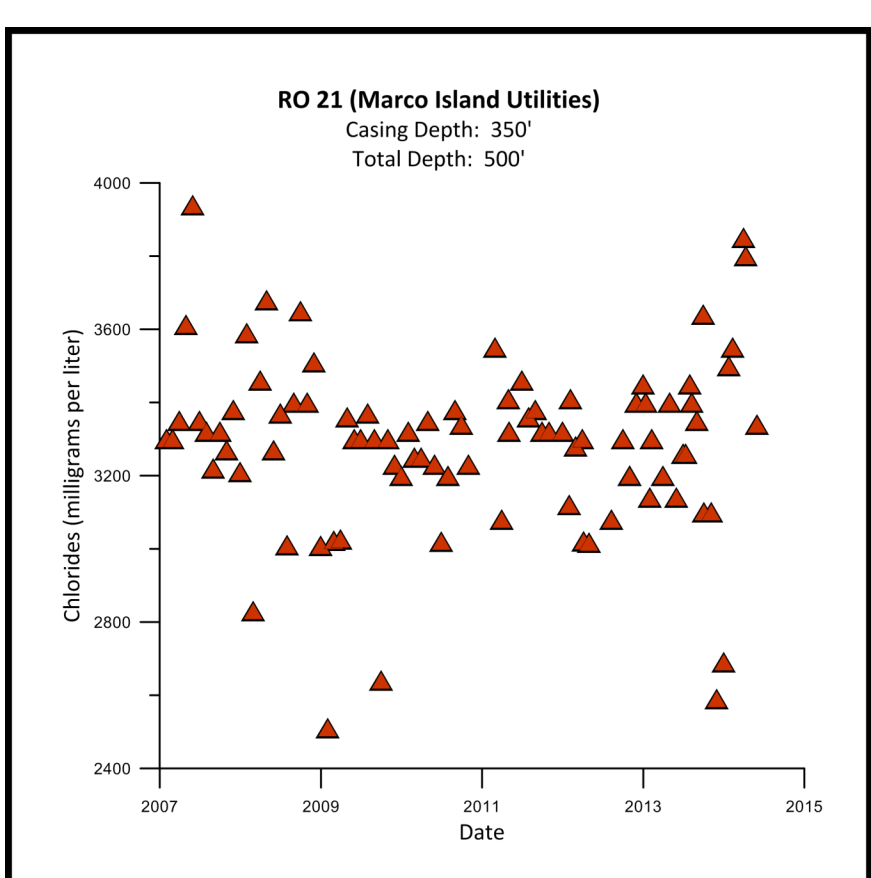
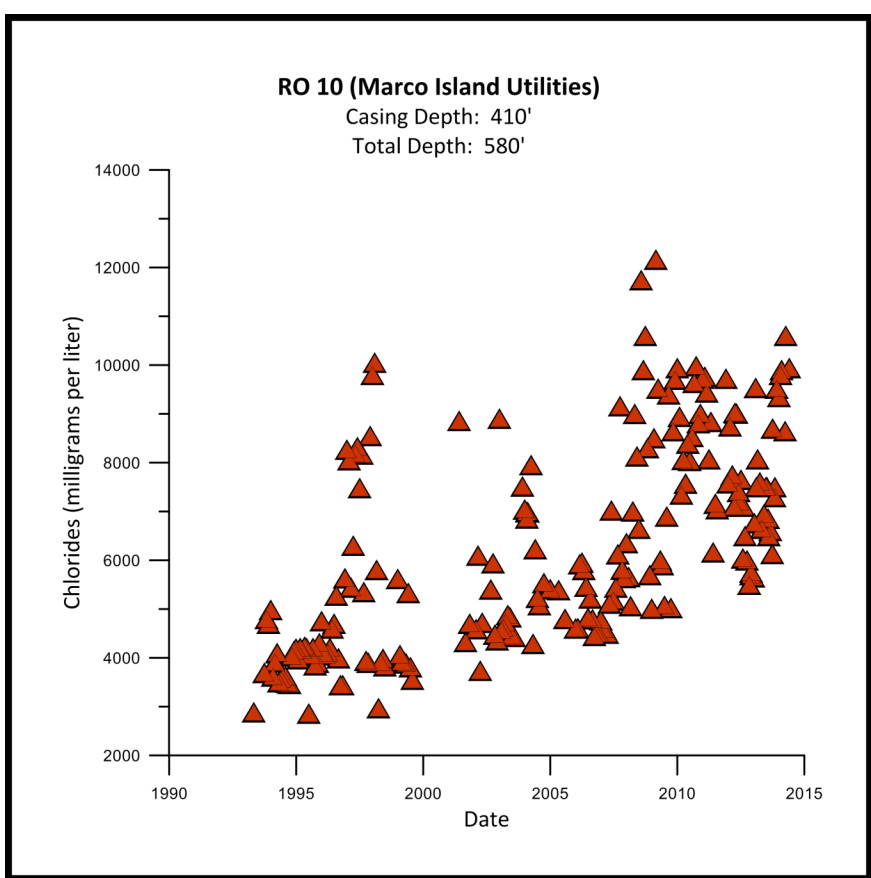
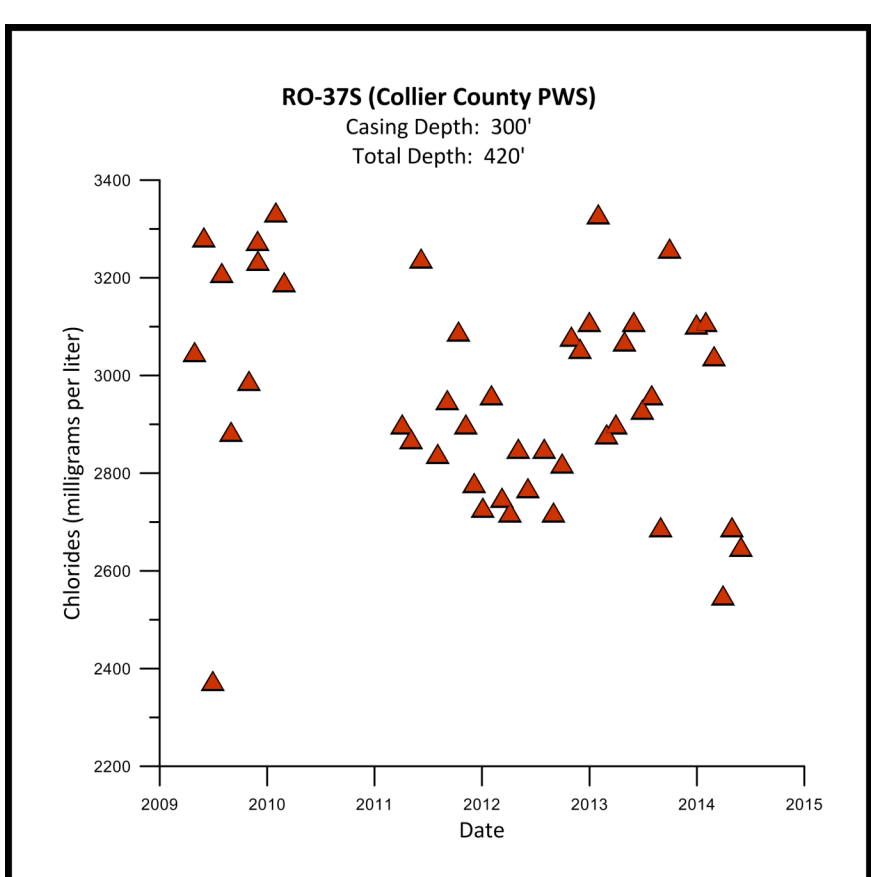
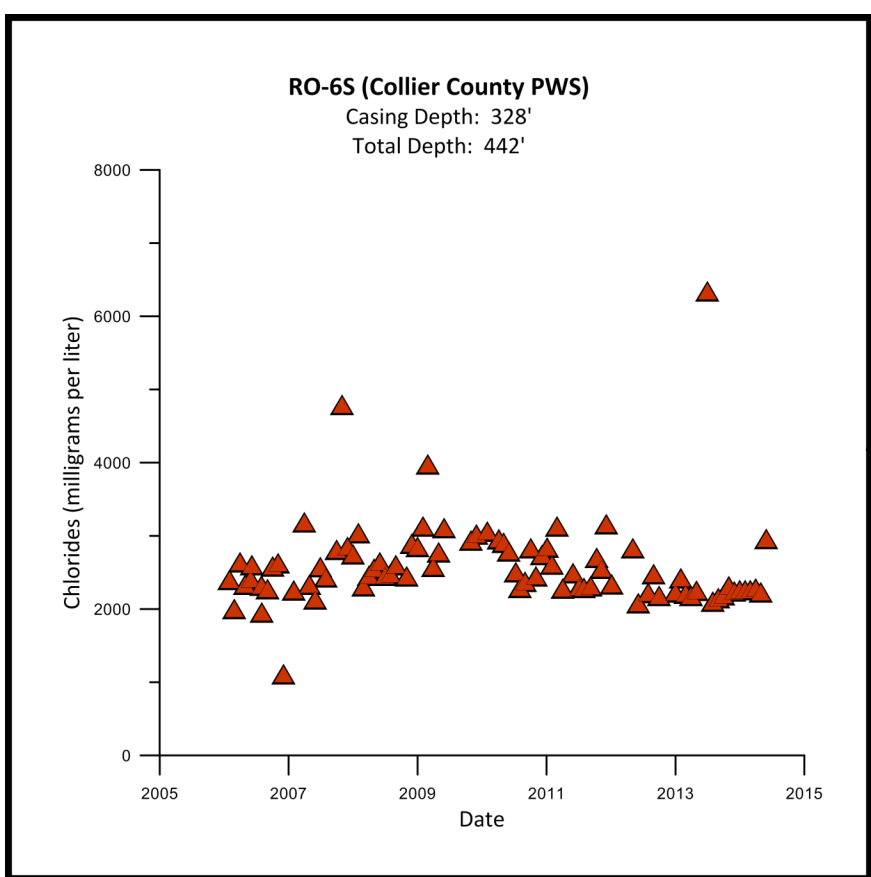
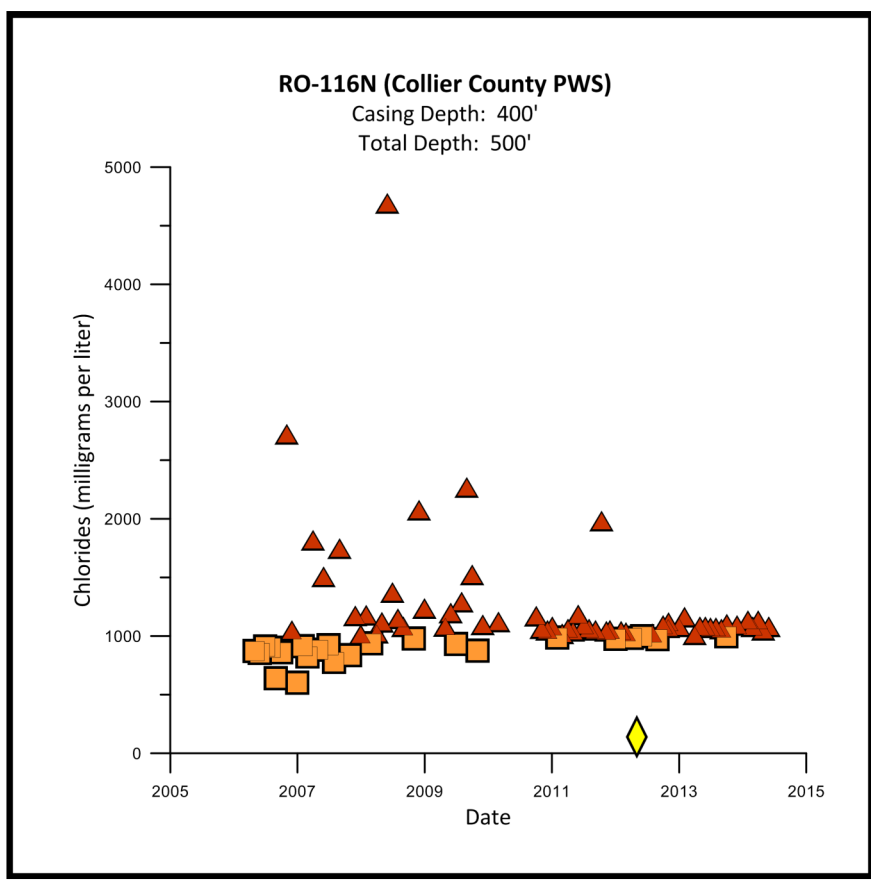


# Collier County Estimated Position of the Saltwater Interface Mid-Hawthorn Aquifer March/April/May 2014



Map Number	SFWMD Facility ID	Project Name	Well Name	X	Y	Casing Depth (feet bbs)	Total Depth (feet bbs)	Average Chloride (mg/L)
163	28-487	MARCO ISLAND UTILITIES	1 (RO 1)	421608	579750	395	574	4,152
162	28-488	MARCO ISLAND UTILITIES	4 (RO 4)	422140	579443	392	547	2,925
163	28-492	MARCO ISLAND UTILITIES	10 (RO 10)	425344	585014	410	580	9,429
164	28-473	MARCO ISLAND UTILITIES	11 (RO 11)	429901	583378	350	500	5,893
165	28-469	MARCO ISLAND UTILITIES	13 (RO 13)	427705	582423	341	498	3,533
166	28-470	MARCO ISLAND UTILITIES	13 (RO 13)	428326	582500	345	508	3,045
174	28-474	MARCO ISLAND UTILITIES	16 (RO 16)	428895	583412	350	500	2,548
175	190-646	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-318	430750	667070	300	420	2,603
176	190-879	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-235	430778	658338	300	420	2,423
177	190-644	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-295	430800	649930	300	420	2,557
178	190-645	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-300	430800	649830	300	420	2,577
179	28-471	MARCO ISLAND UTILITIES	14 (RO 14)	430815	583391	336	460	2,488
180	190-878	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-225	430844	654910	300	420	2,557
181	190-643	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-285	430850	650501	300	420	2,637
182	190-880	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-240	430877	651891	300	420	2,533
183	190-638	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-175	430950	662510	300	420	3,730
184	109-709	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-155	431195	666679	295	401	2,533
185	115-849	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-135	431600	667080	295	400	2,533
186	109-708	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-145	431611	667076	298	422	3,795

Map Number	SFWMD Facility ID	Project Name	Well Name	X	Y	Casing Depth (feet bbs)	Total Depth (feet bbs)	Average Chloride (mg/L)
187	28-472	MARCO ISLAND UTILITIES	15 (RO 15)	431648	583358	352	507	2,443
188	142-963	MARCO ISLAND UTILITIES	19 (RO 19)	431758	580188	350	500	3,193
189	190-652	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-375	432015	645040	300	420	2,630
190	190-649	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-346	432070	647960	300	420	2,507
191	190-642	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-375	432170	650215	300	420	2,583
192	28-475	MARCO ISLAND UTILITIES	17 (RO 17)	432225	583112	350	500	2,710
193	109-710	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-125	432233	668306	299	423	2,670
194	190-639	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-186	432280	658335	300	420	2,647
195	190-876	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-205	432288	655764	300	420	2,680
196	190-877	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-215	432321	654287	300	420	2,480
197	190-648	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-185	432350	648401	300	420	2,510
198	190-875	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-195	432354	657306	300	420	2,630
199	190-641	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-265	432380	653370	300	420	2,677
200	190-637	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-165	432380	664490	300	420	2,800
201	190-650	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-355	433160	648860	300	420	2,610
202	28-476	MARCO ISLAND UTILITIES	18 (RO 18)	433295	582452	350	500	3,085
203	190-653	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-385	433370	646880	300	420	2,467
204	167-304	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-101N	433463	695415	397	512	2,255
206	109-711	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-15	433881	667877	312	420	2,673

Map Number	SFWMD Facility ID	Project Name	Well Name	X	Y	Casing Depth (feet bbs)	Total Depth (feet bbs)	Average Chloride (mg/L)
208	167-313	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-102N	434530	693930	400	500	2,567
209	142-964	MARCO ISLAND UTILITIES	20 (RO 20)	434835	581582	350	500	3,383
210	109-712	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-25	434927	667897	292	400	2,467
211	142-967	MARCO ISLAND UTILITIES	21 (RO 21)	435462	581508	350	500	3,598
212	109-715	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-55	436202	670259	297	402	2,227
213	109-714	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-45	436234	668983	331	402	2,707
214	109-713	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-35	436249	668017	293	403	2,680
215	190-871	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-395	437423	660195	300	400	3,433
216	109-717	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-75	438440	670290	328	442	4,807
217	109-716	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-65	438460	670206	317	421	2,490
218	190-873	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-445	439950	660195	300	400	4,350
220	167-356	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-114N	449908	695694	412	514	1,803
221	167-357	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-155N	451202	695432	400	500	980
222	167-358	COLLIER COUNTY PUBLIC WATER SUPPLY	RO-116N	451442	695456	400	500	1,087
981*	220-179	THE CLUB PELICAN BAY	MMA1 (ASR-1) irrigation well	391130	693910	315	371	2,110
992*	254-150	SABAL PALM ELEMENTARY & CYPRESS PALM MIDDLE SCHOOLS	IW-1	483242	702647	325	335	102

\* These wells may have less analytical precision.

**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)

† PWS = Public Water Supply

**Wellfields in the Mid-Hawthorn Aquifer**

- Wellfields in Other Aquifers
- Saline Water Bodies
- Freshwater Bodies
- Mangrove and Saltwater Marsh
- Roads
- Estimated 250 mg/L isochlor, 2009 (updated)
- Estimated 250 mg/L isochlor, 2014

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. The dashed red line corresponds to 2014 data, and the dashed blue line corresponds to 2009 data (updated in 2014/2015 to incorporate new and corrected data).



Hydrogeology Unit

**DISCLAIMER:**

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