

TABLES

R2MF Domain	2015 ADR		2040 Permitted ADR		2040 WSA ADR	
Water Use	Pumping (MGD)	Injection (MGD)	Pumping (MGD)	Injection (MGD)	Pumping (MGD)	Injection (MGD)
Ag Irrigation	-	-	0.29990	-	0.05041	-
Aquaculture	0.24108	-	0.56400	-	0.30762	-
Golf Course Irrigation	0.25525	-	0.67700	-	0.31061	-
Industrial	0.27596	-	0.36828	-	0.43673	-
Institutional	0.10998	-	0.17497	-	0.14334	-
Injection Well	-	3.39181	-	3.46015	-	3.46015
Limited Public Supply	0.02332	-	-	-	0.02147	-
Public Supply	38.42469	-	76.37972	-	51.00559	-
Domain Total	39.33027	3.39181	78.46387	3.46015	52.27577	3.46015

Table 1 – Pumping and injection rates by water use type in millions of gallons per day (MGD) within the Region II MODFLOW (R2MF) domain for current and future projected pumping/injection conditions.

CR2SWT Domain	2015 ADR		2040 Permitted ADR		2040 WSA ADR	
Water Use	Pumping (MGD)	Injection (MGD)	Pumping (MGD)	Injection (MGD)	Pumping (MGD)	Injection (MGD)
Ag Irrigation	-	-	0.29990	-	0.05041	-
Aquaculture	0.24108	-	0.56400	-	0.30762	-
Golf Course Irrigation	0.25525	-	0.67700	-	0.31061	-
Industrial	-	-	-	-	-	-
Institutional	0.10998	-	0.17497	-	0.14334	-
Injection Well	-	0.24560	-	0.32314	-	0.32267
Limited Public Supply	-	-	-	-	-	-
Public Supply	34.88472	-	68.76850	-	46.70474	-
Domain Total	35.49102	0.24560	70.48437	0.32314	47.51672	0.32267

Table 2 – Pumping and injection rates by water use type in millions of gallons per day (MGD) within the Coastal Region II SEAWAT (CR2SWT) domain for current and future projected pumping/injection conditions.

						Vertical Seepage Velocity from HSU Above (in/yr) for Year:				Vertical Seepage Velocity from HSU Below (in/yr) for Year:			
Row	Col	HSU	Zone	Location Index	Layers	2015	2040 (Scenario 1)	2040 (Scenario 2)	2040 (Scenario 3)	2015	2040 (Scenario 1)	2040 (Scenario 2)	2040 (Scenario 3)
36	307	UFA	41	A	5 - 9	1.026	1.076	1.060	1.060	0.192	0.954	0.607	0.606
36	307	LFA	24		13 - 18	-0.192	-0.954	-0.607	-0.606	0.009	0.014	0.012	0.012
49	183	UFA	38	B	5 - 9	0.067	0.094	0.071	0.071	0.371	0.454	0.434	0.434
49	183	LFA	23		13 - 18	-0.371	-0.454	-0.434	-0.434	0.649	0.973	0.648	0.647
49	243	UFA	32	C	5 - 9	0.473	0.645	0.486	0.486	-0.134	-0.217	-0.126	-0.126
49	243	LFA	19		13 - 18	-0.245	-0.379	-0.262	-0.262	0.092	0.144	0.113	0.113
56	122	LFA	29	D	13 - 18	-0.654	-0.663	-0.420	-0.420	0.717	1.303	0.704	0.703
61	130	LFA	28	E	13 - 18	-2.030	-3.458	-1.928	-1.928	0.780	1.395	0.759	0.759
63	157	IS	14	F	2 - 4	-0.041	-0.041	-0.041	-0.037	-0.262	-0.420	-0.258	-0.258
65	139	UFA	40	G	5 - 9	0.476	0.857	0.482	0.482	0.390	1.132	0.647	0.647
65	139	LFA	30		13 - 18	-0.725	-0.933	-0.555	-0.555	0.679	1.188	0.663	0.663
67	250	IS	15	H	2 - 4	-0.213	-0.125	-0.136	-0.105	-0.095	-0.211	-0.106	-0.106
67	250	UFA	43		5 - 9	0.185	0.411	0.206	0.207	2.297	2.314	1.862	1.861
67	250	LFA	26		13 - 18	-2.297	-2.314	-1.862	-1.861	0.150	0.226	0.177	0.177
68	148	LFA	31	I	13 - 18	-0.067	0.046	-0.047	-0.048	0.602	1.015	0.589	0.589
68	153	IS	17	J	2 - 4	-0.062	-0.062	-0.062	-0.055	-0.400	-0.655	-0.384	-0.384

HSU sequence (from land surface downward) and abbreviations:

1) Sand and Gravel Aquifer

2) Intermediate System (IS)

3) Upper Floridan Aquifer (UFA) / Undifferentiated Floridan Aquifer System (FAS)

4) Bucatunna Clay (BUC) / Undifferentiated Floridan Aquifer System (FAS)

5) Lower Floridan Aquifer (LFA) / Undifferentiated Floridan Aquifer System (FAS)

6) Sub-Floridan Formation

Table 3 – Simulated vertical seepage velocities (in/yr) for 2015 and 2040 at District-specified locations. Positive and negative values respectively indicate inflow from and outflow to the adjacent HSU.

						Vertical Seepage Velocity from HSU Above (in/yr) for Year:				Vertical Seepage Velocity from HSU Below (in/yr) for Year:			
Row	Col	HSU	Zone	Location Index	Layers	2015	2040 (Scenario 1)	2040 (Scenario 2)	2040 (Scenario 3)	2015	2040 (Scenario 1)	2040 (Scenario 2)	2040 (Scenario 3)
68	283	UFA	42	K	5 - 9	0.082	0.137	0.101	0.101	0.076	0.123	0.104	0.104
68	283	LFA	25		13 - 18	-0.076	-0.123	-0.104	-0.104	0.093	0.155	0.125	0.125
69	167	IS	16	L	2 - 4	-0.048	-0.048	-0.048	-0.041	-0.326	-0.464	-0.309	-0.309
70	157	LFA	27	M	13 - 18	-0.090	0.055	-0.048	-0.048	0.617	1.010	0.600	0.600
71	65	UFA	39	N	5 - 9	0.015	0.019	0.013	0.013	0.030	0.039	0.027	0.027
71	65	LFA	18		13 - 18	0.005	0.009	0.005	0.005	0.133	0.347	0.110	0.110
71	232	IS	8	O	2 - 4	-0.177	-0.069	-0.077	-0.055	-0.224	-0.397	-0.195	-0.195
73	146	IS	9	P	2 - 4	-0.079	-0.078	-0.078	-0.069	-0.552	-0.942	-0.523	-0.523
74	167	UFA	37	Q	5 - 9	0.988	1.322	0.888	0.888	0.050	0.117	0.054	0.054
74	167	LFA	22		13 - 18	0.034	0.089	0.011	0.011	0.468	0.753	0.456	0.456
74	219	IS	11	R	2 - 4	-0.125	-0.116	-0.116	-0.098	-0.301	-0.411	-0.252	-0.252
74	219	UFA	44		5 - 9	0.584	0.798	0.490	0.490	0.797	0.524	0.880	0.880
74	219	LFA	21		13 - 18	-0.797	-0.524	-0.880	-0.880	0.407	0.560	0.408	0.408
75	199	IS	7	S	2 - 4	-0.017	-0.017	-0.017	-0.015	-0.090	-0.122	-0.089	-0.089
79	136	IS	10	T	2 - 4	-0.111	-0.109	-0.109	-0.097	-0.745	-1.283	-0.689	-0.689
80	154	IS	13	U	2 - 4	-0.144	-0.131	-0.131	-0.110	-0.774	-1.208	-0.670	-0.670

HSU sequence (from land surface downward) and abbreviations:

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Table 3 (continued). Simulated vertical seepage velocities (in/yr) for 2015 and 2040 at District-specified locations. Positive and negative values respectively indicate inflow from and outflow to the adjacent HSU.

						Vertical Seepage Velocity from HSU Above (in/yr) for Year:				Vertical Seepage Velocity from HSU Below (in/yr) for Year:			
Row	Col	HSU	Zone	Location Index	Layers	2015	2040 (Scenario 1)	2040 (Scenario 2)	2040 (Scenario 3)	2015	2040 (Scenario 1)	2040 (Scenario 2)	2040 (Scenario 3)
84	187	IS	12	V	2 - 4	-0.061	-0.060	-0.060	-0.050	-0.328	-0.418	-0.297	-0.296
84	187	UFA	36		5 - 9	0.637	0.813	0.576	0.576	0.049	0.071	0.036	0.036
84	187	LFA	20		13 - 18	0.035	0.064	0.016	0.016	0.325	0.478	0.317	0.317
87	80	UFA	33	W	5 - 9	0.066	0.089	0.059	0.059	0.010	0.014	0.009	0.009
87	132	UFA	35	X	5 - 9	1.742	2.871	1.490	1.490	0.060	0.093	0.054	0.054
89	106	UFA	46	Y	5 - 9	0.764	1.076	0.656	0.656	0.036	0.049	0.032	0.032
92	165	UFA	34	Z	5 - 9	1.665	2.532	1.344	1.342	0.051	0.062	0.042	0.042
96	207	UFA	45	AA	5 - 9	0.186	0.247	0.183	0.183	0.028	0.034	0.023	0.023

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