

Appendix 3-1: Water Year 2002 Permit-Level Data

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INTRODUCTION

This appendix includes the water quality (WQ) data for individual farms within the EAA basin for Water Year 2002 (WY02) in both tabular form and as a spatial distribution. The table identifies separate hydraulic drainage areas (individual farms) within the permits as unit area or basin IDs and includes each area's percent reduction for the water year compared to its baseline year. It also provides the area's flow-weighted mean concentration for the water year.

This permit-level data will only be used for compliance determination if the EAA basin does not meet the 25 percent P load reduction requirement. The permit-level results are not used to calculate P reduction at the EAA basin level. EAA basin-level monitoring is conducted by the SFWMD.

Table 1, below, lists WQ data using the following column designations:

Early Baseline is a farm that qualifies for early baseline status by having implemented BMPs and established a baseline by a specific deadline. "Y" indicates an early baseline farm; "N" indicates a farm does not qualify for early baseline status.

Baseline Year is the water year for which the farm established its pre-BMP base-period load.

Rain Adjusted Unit Area Load (lbs/ac):

- Baseline is the total P load per unit area measured for the baseline year for a farm (includes 10-year base period rainfall adjustment).
- WY02 is the total P load per unit area for the current water year for a farm (includes 10-year base period rainfall adjustment).

WY02 % TP Reduction is the WY02 load reduction for the farm compared to the baseline year.

WY02 TP Conc. (ppb) is the flow-weighted mean concentration for the farm for WY02.

Table 1. Permit-level data

Unit Area ID	Basin ID	Early Baseline	Baseline Year	Rain Adjusted Unit Area Load (lbs/ac)		WY02 % TP Reduction	WY02 TP Conc. (ppb)	Comments
				Baseline	WY02			
005	26-001-01	Y	1994	2.12	0.98	54%	259	
191	26-002-01	N	2001	Baseline Year	0.00	Unable to Calculate	0	
200	26-003-01	N	1999	0.27	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
201	26-004-01	N	1999	1.22	0.20	84%	66	
190	26-006-01	N	1998	1.19	0.47	61%	263	
196	26-007-01	N	1999	2.07	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (46% Sampled)
005	26-008-01	Y	1994	2.12	0.98	54%	259	
195	26-009-01	N	1999	0.74	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
021	26-010-01	N	1995	1.81	0.60	67%	98	
012	26-010-02	N	1995	5.83	0.68	88%	135	
166	50-002-01	Y	1994	3.21	1.11	65%	203	
165	50-002-02	Y	1994	2.90	1.01	65%	228	
047	50-003-01	Y	1994	0.40	2.59	-549%	436	
040	50-003-02	Y	1994	0.62	1.60	-159%	97	
138	50-003-03	N	1995	0.22	2.29	-929%	307	
152	50-004-01	Y	1994	3.68	0.79	78%	180	
039	50-005-01	Y	1994	0.91	0.39	57%	59	
050	50-005-02	Y	1994	0.06	1.21	-1848%	234	
048	50-005-03	Y	1994	0.26	1.98	-672%	412	
037	50-005-04	Y	1994	1.49	0.44	70%	270	
011	50-005-05	Y	1994	1.95	1.33	32%	225	
078	50-005-06	Y	1994	1.56	0.35	77%	70	
134	50-006-01	Y	1994	4.53	0.62	86%	109	
143	50-006-02	Y	1994	5.50	0.63	89%	143	
141	50-006-03	Y	1994	3.55	0.26	93%	104	
063	50-007-01	Y	1994	1.56	1.55	0%	169	
116	50-007-02	Y	1994	15.11	2.71	82%	213	
020	50-008-01	Y	1994	0.34	0.29	15%	64	
024	50-009-01	Y	1994	1.13	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
060	50-009-02	Y	1994	3.57	2.90	19%	143	
030	50-009-03	Y	1994	4.15	2.02	51%	259	
194	50-009-04	N	1999	5.19	3.12	40%	427	
211	50-009-05	N	1999	8.71	1.05	88%	168	
104	50-010-01	N	1995	2.42	2.53	-5%	411	
102	50-010-02	N	1994	1.80	1.11	38%	172	
055	50-010-03	Y	1994	1.31	1.11	15%	132	
148	50-010-04	Y	1994	4.76	1.29	73%	212	
193	50-010-05	N	2001	1.31	0.24	82%	78	
112	50-011-01	Y	1994	2.76	0.34	88%	126	
075	50-011-03	Y	1994	5.79	1.63	72%	358	
089	50-011-04	Y	1994	5.21	1.90	64%	204	
202	50-011-06	N	1999	0.02	0.27	-1658%	153	
120	50-012-01	Y	1994	4.06	1.07	74%	84	
114	50-013-01	Y	1994	24.22	3.35	86%	492	
077	50-014-01	Y	1994	1.37	0.27	80%	122	
188	50-015-01	Y	1994	2.62	0.79	70%	227	
168	50-015-02	Y	1994	5.28	0.72	86%	404	
129	50-016-01	Y	1994	15.11	2.00	87%	207	
091	50-017-01	Y	1994	3.22	1.50	53%	114	
187	50-018-01	Y	1994	2.82	0.72	74%	165	
186	50-018-02	Y	1994	3.54	0.64	82%	89	
179	50-018-03	Y	1994	1.98	1.23	38%	133	
015	50-018-04	Y	1994	3.88	0.31	92%	63	
016	50-018-05	N	1995	3.64	1.11	69%	180	
014	50-018-06	Y	1994	1.46	0.56	61%	187	
005	50-018-07	Y	1994	2.12	0.98	54%	259	
006	50-018-08	Y	1994	2.28	0.30	87%	65	
019	50-018-09	Y	1994	4.22	0.67	84%	103	
145	50-018-10	Y	1994	3.05	0.32	90%	81	
159	50-018-11	Y	1994	19.73	0.90	95%	171	
172	50-018-12	Y	1994	1.78	0.70	61%	61	

Unit Area ID	Basin ID	Early Baseline	Baseline Year	Rain Adjusted Unit Area Load (lbs/ac)		WY02 % TP Reduction	WY02 TP Conc. (ppb)	Comments
				Baseline	WY02			
178	50-018-13	Y	1994	0.40	1.49	-273%	116	
056	50-018-14	N	1994	2.21	0.41	82%	47	
079	50-018-15	Y	1994	1.12	1.52	-35%	288	
095	50-018-16	Y	1994	4.11	0.63	85%	65	
043	50-018-17	Y	1994	3.10	1.35	57%	162	
051	50-018-18	Y	1994	0.64	0.50	22%	100	
046	50-018-19	Y	1994	35.32	4.29	88%	252	
044	50-018-20	Y	1994	3.59	3.86	-7%	304	
001	50-018-21	N	1998	1.06	1.27	-19%	68	
017	50-018-22	Y	1994	8.18	0.87	89%	121	
054	50-018-23	Y	1994	2.22	0.44	80%	43	
053	50-018-24	Y	1994	1.96	1.06	46%	89	
052	50-018-25	Y	1994	4.99	1.04	79%	163	
067	50-019-01	Y	1994	1.54	0.34	78%	67	
036	50-019-02	Y	1994	1.38	0.66	52%	58	
031	50-019-03	Y	1994	0.58	0.23	61%	62	
164	50-020-01	Y	1994	3.32	3.20	4%	179	
111	50-021-01	Y	1994	8.92	1.41	84%	286	
049	50-022-01	Y	1994	0.80	0.34	57%	88	
139	50-023-01	Y	1994	11.83	1.09	91%	332	
032	50-024-01	N	1995	6.43	1.34	79%	154	
153	50-025-01	Y	1994	3.68	0.95	74%	164	
072	50-027-01	Y	1994	2.40	0.35	85%	108	
140	50-027-02	Y	1994	1.22	0.30	76%	84	
147	50-027-03	Y	1994	2.32	0.30	87%	168	
144	50-027-04	Y	1994	2.10	0.32	85%	165	
086	50-028-01	Y	1994	14.54	0.50	97%	68	
094	50-029-01	Y	1994	2.48	0.86	65%	109	
156	50-030-01	Y	1994	14.14	2.08	85%	327	
107	50-031-01	Y	1994	2.56	0.80	69%	48	
150	50-031-02	Y	1994	5.48	1.88	66%	272	
151	50-031-03	Y	1994	8.57	1.87	78%	229	
096	50-032-01	Y	1994	0.84	1.13	-34%	117	
167	50-033-01	Y	1994	12.52	6.27	50%	238	
065	50-034-01	Y	1994	1.68	0.57	66%	92	
069	50-034-02	Y	1994	3.37	0.16	95%	118	
070	50-034-03	Y	1994	4.08	0.51	88%	85	
071	50-034-04	Y	1994	1.54	0.69	55%	155	
137	50-035-01	Y	1994	5.74	1.49	74%	220	
115	50-035-02	Y	1994	5.40	1.56	71%	235	
208	50-035-03	N	1999	8.71	18.38	-111%	78	
169	50-037-01	Y	1994	6.70	0.49	93%	259	
160	50-038-01	Y	1994	3.71	0.75	80%	176	
083	50-039-01	N	1995	4.01	0.19	95%	225	
084	50-039-02	N	1995	4.25	0.38	91%	63	
184	50-040-01	N	1995	1.40	1.59	-14%	106	
183	50-040-02	N	1995	3.61	2.80	22%	250	
149	50-041-01	N	1998	2.69	0.77	71%	108	
057	50-041-02	N	1998	2.44	1.77	27%	96	
034	50-042-01	N	1995	0.14	0.12	13%	83	
174	50-044-01	N	1997	6.13	0.95	84%	540	
087	50-045-01	N	1995	4.35	0.12	97%	121	
085	50-045-02	N	1995	1.41	0.39	72%	155	
056	50-046-01	N	1994	2.21	0.41	82%	47	
161	50-047-01	N	1996	1.46	0.49	67%	116	
163	50-047-02	N	1995	0.84	1.91	-126%	321	
157	50-047-03	N	1997	0.44	0.30	31%	76	
136	50-047-04	N	1996	0.68	0.49	27%	94	
162	50-047-05	N	1997	0.55	1.71	-211%	289	
155	50-047-07	N	1996	0.67	0.42	38%	75	
158	50-047-08	N	1996	0.96	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (62.5% Sampled)
074	50-048-01	N	1995	1.25	13.16	-957%	2046	
090	50-048-02	N	1995	0.36	1.14	-215%	175	
180	50-049-01	N	1996	2.35	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (57.8% Sampled)
022	50-050-01	N	1996	0.36	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
110	50-051-01	N	1995	0.97	0.86	11%	91	
146	50-053-01	N	1995	5.16	2.04	60%	378	
170	50-054-01	N	1996	0.84	0.67	20%	111	
173	50-054-02	N	1996	0.50	0.60	-21%	223	

Unit Area ID	Basin ID	Early Baseline	Baseline Year	Rain Adjusted Unit Area Load (lbs/ac)		WY02 % TP Reduction	WY02 TP Conc. (ppb)	Comments
				Baseline	WY02			
130	50-054-03	N	1996	0.35	0.46	-31%	85	
127	50-054-04	N	1996	0.82	0.51	39%	85	
073	50-055-01	N	1997	0.86	0.18	79%	52	
142	50-055-02	N	1999	0.45	0.37	18%	86	
121	50-055-03	N	1996	0.74	0.22	70%	80	
117	50-055-04	N	1995	1.44	0.11	93%	165	
105	50-056-01	N	1996	0.98	0.77	22%	109	
097	50-058-01	N	1995	0.02	0.00	100%	0	
180	50-059-01	N	1996	2.35	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (57.8% Sampled)
181	50-059-02	N	1997	1.07	0.51	53%	56	
182	50-059-03	N	1996	1.65	2.58	-56%	243	
185	50-059-04	N	1996	1.14	2.53	-122%	401	
068	50-060-01	N	1995	0.18	0.15	18%	46	
109	50-060-02	N	1995	0.75	0.18	76%	36	
117	50-061-01	N	1995	1.44	0.11	93%	165	
076	50-061-03	N	1995	0.76	0.50	35%	73	
093	50-061-04	N	1995	1.67	0.69	59%	93	
045	50-061-05	N	1995	1.89	0.29	85%	40	
098	50-061-06	N	1995	1.68	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (64.1% Sampled)
092	50-061-07	N	1995	1.24	3.76	-204%	180	
135	50-061-08	N	1999	1.76	0.28	84%	45	
027	50-061-10	N	1996	0.49	0.39	20%	49	
026	50-061-11	N	1995	0.95	0.25	74%	96	
099	50-061-12	N	1995	2.55	0.95	63%	201	
100	50-061-13	N	1995	1.16	1.83	-57%	105	
132	50-061-15	N	1995	1.91	0.36	81%	94	
177	50-061-17	N	1995	12.22	4.80	61%	347	
108	50-061-18	N	1995	9.82	0.69	93%	36	
102	50-061-20	N	1994	1.80	1.11	38%	172	
033	50-062-01	N	1996	0.20	0.17	12%	60	
066	50-062-02	N	1996	0.46	0.14	69%	43	
080	50-062-03	N	1996	0.54	0.19	64%	38	
101	50-062-04	N	1996	0.26	0.42	-64%	208	
062	50-062-05	N	1996	0.41	0.32	21%	62	
023	50-062-06	N	1996	0.62	0.55	11%	25	
058	50-062-07	N	1996	1.41	0.36	75%	21	
025	50-062-08	N	1996	0.51	7.34	-1351%	47	
064	50-062-09	N	1997	0.22	0.17	22%	58	
061	50-062-10	N	1997	0.72	0.17	77%	41	
035	50-062-11	N	1996	0.44	0.15	66%	42	
041	50-063-01	N	1996	0.45	0.35	23%	109	
113	50-064-01	N	1997	2.98	0.24	92%	35	
113	50-064-03	N	1997	2.98	0.24	92%	35	
113	50-064-04	N	1997	2.98	0.24	92%	35	
118	50-065-02	N	1995	3.64	0.18	95%	67	
113	50-065-03	N	1997	2.98	0.24	92%	35	
113	50-065-05	N	1997	2.98	0.24	92%	35	
113	50-065-06	N	1997	2.98	0.24	92%	35	
081	50-065-07	N	1995	3.92	0.81	79%	141	
113	50-065-08	N	1997	2.98	0.24	92%	35	
106	50-065-10	N	1995	1.55	1.97	-28%	150	
059	50-066-01	N	1995	2.13	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (4.8% Sampled)
010	50-067-01	N	1996	0.40	0.29	26%	61	
042	50-067-02	N	1996	0.94	0.46	51%	60	
028	50-067-03	N	1996	1.02	0.39	62%	24	
029	50-067-04	N	1996	0.55	0.54	2%	38	
007	50-067-05	N	1996	0.42	0.29	29%	39	
197	50-067-06	N	1999	0.49	0.31	37%	32	
198	50-067-07	N	1999	0.54	0.20	62%	22	
203	50-067-09	N	1999	0.54	0.13	76%	60	
204	50-067-10	N	1999	1.21	1.98	-64%	302	
205	50-067-11	N	1999	0.85	0.67	20%	109	
189	50-067-13	N	1997	2.29	0.49	79%	60	
175	50-068-01	N	1996	1.13	0.64	43%	105	
171	50-068-02	N	1997	2.30	0.85	63%	211	
038	50-069-01	N	1996	1.06	1.24	-17%	176	
088	50-070-01	N	1995	3.82	4.19	-10%	236	
082	50-070-02	N	1995	3.09	1.16	63%	222	
176	50-071-01	N	1996	5.02	2.18	57%	270	

Unit Area ID	Basin ID	Early Baseline	Baseline Year	Rain Adjusted Unit Area Load (lbs/ac)		WY02 % TP Reduction	WY02 TP Conc. (ppb)	Comments
				Baseline	WY02			
126	50-073-01	N	2001	Baseline Year	0.00	Unable to Calculate	0	
209	50-078-01	N	1999	8.71	1.72	80%	148	

Table 2. Everglades Agricultural Privilege Tax credits for the EAA basin¹

Calendar Year	Water Year	Min. Phos. Reduction Required (%)	Actual Phos. Reduction Achieved (%)	Credits Earned	Total Credits (Cumulative)	Credits Used	Credit Balance	Fiscal Year
1994	1993	25	44	19	19.00	0.00	19.00	FY95
1995	1994	25	17	0	19.00	0.00	19.00	FY96
1996	1995	25	31	6	25.00	0.00	25.00	FY97
1997	1996	25	68	43	68.00	0.00	68.00	FY98
1998	1997	25	49	24	92.00	3.91	88.09	FY99
1999	1998	25	34	9	97.09	3.91	93.18	FY00
2000	1999	25	49	24	117.18	3.91	113.27	FY01
2001	2000	25	55	30	143.27	3.91	139.36	FY02
2002	2001	25	73	48	187.36	10.02	177.34	FY03
2003	2002	25	55	30	207.34	10.02	197.32	FY04
2004	2003	25			197.32	10.02	187.30	FY05
2005	2004	25			187.30	10.02	177.28	FY06
2006	2005	25			177.28	15.55	161.73	FY07
2007	2006	25			161.73	15.55	146.18	FY08
2008	2007	25			146.18	15.55	130.63	FY09
2009	2008	25			130.63	15.55	115.08	FY10
2010	2009	25			115.08	15.55	99.53	FY11
2011	2010	25			99.53	15.55	83.98	FY12
2012	2011	25			83.98	15.55	68.43	FY13
2013	2012	25			68.43	15.55	52.88	FY14

Note: Water Year 2001 (Calendar Year 2002) approved by G.B at their 9/10/02 public hearing.

Water Year 2001 = May 1, 2000 to April 30, 2001

Additional Information of Interest

Per Acre Charge	Tax Years	Area-Wide Incentive Credit	Min. Phos. Reduction Required
\$24.89	1994 - 1997	0.33	25%
\$27.00	1998 - 2001	0.54	25%
\$31.00	2002 - 2005	0.61	25%
\$35.00	2006 - 2013	0.65	25%
\$10.00	2014	N/A	N/A

Note:

1. Vegetable classified acreage is never charged more than \$24.89 per acre.
2. Vegetable classified acreage is not eligible for incentive credits.
3. The minimum per acre charge will never drop below \$24.89 (except in 2014).
If incentive credits would cause the per acre charge to drop below \$24.89, any earned, unused credits will be carried forward and applied to the following year.

Calculating Credits:

1994 - 1997	N/A
1998 - 2001	$\$27.00 - \$24.89 = \$2.11 / .54 = 3.91$
2002 - 2005	$\$31.00 - \$24.89 = \$6.11 / .61 = 10.02$
2006 - 2013	$\$35.00 - \$24.89 = \$10.11 / .65 = 15.55$

¹ Calculated in accordance with the Everglades Forever Act, Section 373.4592(6), Florida Statutes.