

Appendix 4B-2: Annual Total Phosphorus Budgets for the Old Everglades Nutrient Removal Project

	Inflows ^b					Outflows			
	I _s	I _g	P _p	P _d	Σ _{inflow}	O _s	O _g	Σ _{outflow}	r
ENRP									
WY 95-96	25,179	289	577	427	26,473	5,058	2,495	7,553	18,919
WY 96-97	14,356	212	355	302	15,225	2,775	2,114	4,889	10,336
WY 97-98	11,840	431	198	355	12,824	2,061	2,100	4,161	8,663
WY 98-99	11,216	257	144	493	12,109	2,033	2,034	4,067	8,043
WY 99-00	22,125	283	147	493	23,048	3,665	3,288	6,953	16,095
WY 00-01	8,815	127	72	493	9,507	1,853	2,908	4,761	4,746
TOTAL	93,531	1,599	1,494	2,563	99,187	17,445	14,940	32,385	66,802
	94.3%	1.6%	1.5%	2.6%		53.9%	46.1%		67.3%
Buffer Cell									
WY 95-96	25,179	-	20	15	25,214	17,502	618	18,120	7,094
WY 96-97	14,356	-	12	11	14,379	9,775	435	10,210	4,169
WY 97-98	11,840	-	7	12	11,859	7,408	506	7,914	3,945
WY 98-99	11,216	-	5	17	11,238	7,515	404	7,919	3,319
WY 99-00	-	-	-	-	-	-	-	-	-
WY 00-01	-	-	-	-	-	-	-	-	-
TOTAL	62,591	-	44	55	62,690	42,200	1,963	44,163	18,527
	99.8%	-	0.1%	0.1%		95.6%	4.4%		29.6%
Treatment Cell 1									
WY 95-96	7,035	126	197	146	7,503	4,628	0	4,628	2,874
WY 96-97	3,198	92	121	103	3,514	1,860	0	1,860	1,654
WY 97-98	1,805	187	68	120	2,180	1,663	0	1,663	517
WY 98-99	2,306	112	49	168	2,634	1,485	10	1,495	1,139
WY 99-00	21,206	123	53	168	21,550	10,942	868	11,811	9,739
WY 00-01	8,815	55	27	168	9,065	7,720	403	8,123	942
TOTAL	44,365	694	514	873	46,447	28,299	1,281	29,580	16,867
	95.5%	1.5%	1.1%	1.9%		95.7%	4.3%		36.3%
Treatment Cell 2									
WY 95-96	10,467	-	154	114	10,735	4,437	1,299	5,735	5,000
WY 96-97	6,577	-	95	81	6,753	3,789	1,170	4,959	1,794
WY 97-98	5,603	-	53	94	5,750	2,388	1,108	3,496	2,254
WY 98-99	5,209	-	39	131	5,379	2,369	1,194	3,563	1,816
WY 99-00	9,842	-	39	131	10,012	5,335	1,972	7,307	2,705
WY 00-01	5,071	-	19	131	5,221	3,498	1,526	5,024	197
TOTAL	42,769	-	399	682	43,851	21,816	8,269	30,085	13,766
	97.5%	-	0.9%	1.6%		72.5%	27.5%		31.4%
Treatment Cell 3									
WY 95-96	4,628	163	151	112	5,055	3,446	313	3,759	1,296
WY 96-97	1,860	120	93	79	2,152	1,329	223	1,553	599
WY 97-98	1,663	244	52	93	2,052	1,280	275	1,555	497
WY 98-99	1,498	145	38	129	1,810	1,298	211	1,509	301
WY 99-00	1,730	160	39	129	2,057	1,477	158	1,635	422
WY 00-01	2,656	72	19	129	2,876	680	680	1,360	1,515
TOTAL	14,035	905	391	670	16,001	9,510	1,861	11,371	4,630
	87.7%	5.7%	2.4%	4.2%		83.6%	16.4%		28.9%

Treatment Cell 4

WY 95-96	4,437	-	55	40	4,532	2,379	265	2,644	1,888
WY 96-97	3,789	-	34	29	3,851	1,985	286	2,271	1,580
WY 97-98	2,388	-	19	34	2,441	1,047	211	1,259	1,182
WY 98-99	2,369	-	14	47	2,429	726	215	942	1,488
WY 99-00	5,335	-	14	47	5,396	1,916	290	2,206	3,190
WY 00-01	3,498	-	7	47	3,552	826	298	1,125	2,427
TOTAL	21,816	-	142	243	22,201	8,880	1,566	10,446	11,755
	98.3%	-	0.6%	1.1%		85.0%	15.0%		52.9%

^a All TP budget terms expressed as kg

^b I_s = total surface TP inflow; I_g = total groundwater TP inflow; P_p = wet precipitation TP; P_d = dry deposition TP; O_s = total surface outflow TP; O_g = total groundwater outflow TP; r = TP retention