

**Mass Balance Summary**

**Year: 1996 thru 1997**

**Bay Rainfall = 128 cm/yr**

Term	flow hm3	tp mt/y	orthop mt/y	dip mt/y	dop mt/y	pip mt/y	pop mt/y	tn mt/y	nox mt/y	nh4 mt/y	orgn mt/y	don mt/y	pon mt/y	dca mt/y	pca mt/y	poc mt/y	doc mt/y	psio2 mt/y	dsio2 mt/y	alk mt/y	salin mt/y	tss mt/y	chla mt/y
<b>Inflows from Mainland</b>																							
West	57.7	0.19	0.17	0.17	0.01	0.00	0.01	61.1	0.8	1.0	59.3	47.4	11.9	2826	141	58	866	29	202	9810	10458	58	0.1
Broad	401.5	1.43	1.18	1.20	0.10	0.03	0.10	434.9	7.4	6.0	421.5	337.2	84.3	21462	1073	401	6022	201	1405	68253	77017	401	0.8
Shark	1315.3	9.69	4.15	4.71	2.19	0.56	2.19	1810.4	48.1	61.8	1700.5	1360.4	340.1	66644	3332	1315	19729	658	4603	223596	408442	1315	2.6
Sable	117.2	0.39	0.35	0.35	0.01	0.00	0.01	99.9	6.6	1.8	91.5	73.2	18.3	5354	268	117	1758	59	410	19921	21253	117	0.2
Taylor	327.6	1.18	0.97	0.99	0.08	0.02	0.08	286.7	18.4	4.3	264.0	211.2	52.8	15190	760	328	4913	164	1146	55685	59729	328	0.7
Coastal	158.9	0.60	0.46	0.48	0.05	0.01	0.05	192.5	4.0	2.9	185.6	148.5	37.1	8200	410	159	2383	79	556	27013	50529	159	0.3
Barnes	18.0	0.07	0.05	0.05	0.01	0.00	0.01	21.5	0.4	0.3	20.7	16.6	4.1	943	47	18	270	9	63	3060	5641	18	0.0
S197	100.0	1.10	0.46	0.52	0.25	0.06	0.25	79.3	15.5	16.1	47.8	38.2	9.5	8234	412	100	1500	50	350	16995	33315	100	0.2
All	2496.1	14.63	7.80	8.48	2.71	0.69	2.71	2986.3	101.3	94.3	2790.8	2232.6	558.1	128854	6443	2496	37441	1248	8736	424332	666384	2496	5.0
Bay	486.5	1.79	1.44	1.47	0.13	0.04	0.13	479.2	22.5	7.2	449.6	359.7	89.9	23390	1170	486	7297	243	1703	82698	110259	486	1.0
<b>Runoff from Keys</b>																							
Upper->Bay	11.4	2.18	1.31	1.53	0.22	0.22	0.22	7.8	5.0	0.3	2.5	1.2	1.2	11	240	57	137	1	19	1454	3171	1460	0.0
Mid -> Bay	5.9	1.35	0.69	0.86	0.16	0.16	0.16	5.5	3.5	0.2	1.8	0.9	0.9	6	124	30	71	1	10	753	1642	752	0.0
Lower -> Bay	17.2	2.98	1.91	2.18	0.27	0.27	0.27	12.3	6.7	0.6	5.0	2.5	2.5	17	362	86	207	2	29	2188	4772	2142	0.0
Upper ->Reef	11.4	2.18	1.31	1.53	0.22	0.22	0.22	7.8	5.0	0.3	2.5	1.2	1.2	11	240	57	137	1	19	1454	3171	1460	0.0
Mid -> Reef	5.9	1.35	0.69	0.86	0.16	0.16	0.16	5.5	3.5	0.2	1.8	0.9	0.9	6	124	30	71	1	10	753	1642	752	0.0
Lower -> Reef	17.2	2.98	1.91	2.18	0.27	0.27	0.27	12.3	6.7	0.6	5.0	2.5	2.5	17	362	86	207	2	29	2188	4772	2142	0.0
All	69.2	13.02	7.84	9.13	1.29	1.29	1.29	51.2	30.4	2.1	18.7	9.4	9.4	69	1453	346	830	7	118	8789	19171	8709	0.1
Bay	17.4	3.53	2.00	2.38	0.38	0.38	0.38	13.3	8.5	0.5	4.3	2.2	2.2	17	365	87	209	2	30	2207	4813	2213	0.0
<b>Wastewater from Keys</b>																							
Upper->Bay	1.9	10.24	8.05	8.60	0.55	0.55	0.55	46.1	8.1	28.9	9.1	4.6	4.6	9	37	9	47	4	4	187	934	61	0.0
Mid -> Bay	1.2	7.68	5.83	6.29	0.46	0.46	0.46	32.5	5.4	18.5	8.7	4.3	4.3	6	24	6	30	2	2	119	595	52	0.0
Lower -> Bay	1.6	8.50	6.68	7.13	0.46	0.46	0.46	38.3	7.0	23.7	7.7	3.8	3.8	8	31	8	39	3	3	155	777	52	0.0
Upper ->Reef	1.9	9.34	7.50	7.96	0.46	0.46	0.46	43.6	8.1	28.5	7.0	3.5	3.5	9	37	9	47	4	4	186	930	52	0.0
Mid -> Reef	1.4	8.22	6.66	7.05	0.39	0.39	0.39	38.6	6.6	26.4	5.7	2.8	2.8	7	28	7	35	3	3	142	710	42	0.0
Lower -> Reef	1.8	9.68	7.87	8.32	0.45	0.45	0.45	45.9	8.1	31.3	6.4	3.2	3.2	9	36	9	44	4	4	178	888	50	0.0
All	9.7	53.65	42.59	45.36	2.77	2.77	2.77	244.9	43.2	157.2	44.5	22.2	22.2	48	193	48	242	19	19	967	4834	308	0.0
Bay	3.1	17.92	13.88	14.89	1.01	1.01	1.01	78.6	13.5	47.4	17.8	8.9	8.9	15	61	15	76	6	6	306	1528	113	0.0
<b>Summary - All Area = 7636 km2</b>																							
Mainland	2496.1	14.63	7.80	8.48	2.71	0.69	2.71	2986.3	101.3	94.3	2790.8	2232.6	558.1	128854	6443	2496	37441	1248	8736	424332	666384	2496	5.0
Runoff	69.2	13.02	7.84	9.13	1.29	1.29	1.29	51.2	30.4	2.1	18.7	9.4	9.4	69	1453	346	830	7	118	8789	19171	8709	0.1
Wastewater	9.7	53.65	42.59	45.36	2.77	2.77	2.77	244.9	43.2	157.2	44.5	22.2	22.2	48	193	48	242	19	19	967	4834	308	0.0
Atmospheric	9771.6	131.94	82.46	124.52	2.47	2.47	2.47	2465.7	1063.8	684.4	717.4	645.7	71.7	6614	0	764	15271	0	1527	7834	132420	764	7.6
Total	12346.5	213.25	140.69	187.49	9.24	7.23	9.24	5748.1	1238.6	938.0	3571.4	2909.9	661.5	135585	8089	3654	53784	1274	10400	441922	822809	12277	12.7
Avg Inflow Conc (ppm)		0.017	0.011	0.015	0.001	0.001	0.001	0.466	0.100	0.076	0.289	0.236	0.054	10.982	0.655	0.296	4.356	0.103	0.842	35.79	66.64	0.994	0.001
<b>Summary - Bay Area = 1813 km2</b>																							
Mainland	486.5	1.79	1.44	1.47	0.13	0.04	0.13	479.2	22.5	7.2	449.6	359.7	89.9	23390	1170	486	7297	243	1703	82698	110259	486	1.0
Runoff	17.4	3.53	2.00	2.38	0.38	0.38	0.38	13.3	8.5	0.5	4.3	2.2	2.2	17	365	87	209	2	30	2207	4813	2213	0.0
Wastewater	3.1	17.92	13.88	14.89	1.01	1.01	1.01	78.6	13.5	47.4	17.8	8.9	8.9	15	61	15	76	6	6	306	1528	113	0.0
Atmospheric	2320.6	31.33	19.58	29.57	0.59	0.59	0.59	585.5	252.6	162.5	170.4	153.3	17.0	1571	0	181	3627	0	363	1860	31447	181	1.8
Total	2827.4	54.56	36.91	48.32	2.11	2.01	2.11	1156.7	297.1	217.6	642.0	524.0	118.0	24994	1596	770	11208	251	2101	87071	148047	2993	2.8
Avg Inflow Conc (ppm)		0.019	0.013	0.017	0.001	0.001	0.001	0.409	0.105	0.077	0.227	0.185	0.042	8.840	0.564	0.272	3.964	0.089	0.743	30.79	52.36	1.059	0.001

Summaries for 'Bay' include mainland inflows from Taylor & Coastal Basins and runoff & wastewater inputs from Upper & Middle Keys