

**Mass Balance Summary**

**Year: 1987-1997**

**Bay Rainfall = 115.9 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	chl a mt/y
<b>Inflows from Mainland</b>																							
West	56.2	0.28	0.19	0.20	0.03	0.01	0.03	51.7	0.7	0.7	50.3	40.2	10.1	2544	127	56	843	28	197	9559	9863	56	0.1
Broad	338.4	1.71	1.16	1.22	0.22	0.06	0.22	328.2	4.6	4.2	319.5	255.6	63.9	16054	803	338	5076	169	1184	57523	62692	338	0.7
Shark	1083.8	9.89	4.12	4.71	2.30	0.58	2.30	1498.8	59.3	40.7	1398.8	1119.0	279.8	54905	2745	1084	16256	542	3793	184238	376495	1084	2.2
Sable	89.7	0.36	0.29	0.30	0.02	0.01	0.02	68.9	2.4	1.5	65.0	52.0	13.0	3789	189	90	1345	45	314	15241	16280	90	0.2
Taylor	265.7	1.10	0.88	0.90	0.09	0.02	0.09	202.2	6.7	4.5	190.9	152.7	38.2	10827	541	266	3986	133	930	45177	47390	266	0.5
Coastal	174.0	0.83	0.60	0.62	0.09	0.02	0.09	184.0	5.7	3.1	175.2	140.1	35.0	9652	483	174	2610	87	609	29580	73639	174	0.3
Barnes	11.2	0.05	0.04	0.04	0.00	0.00	0.00	11.1	0.3	0.3	10.6	8.4	2.1	618	31	11	168	6	39	1910	4428	11	0.0
S197	50.4	0.73	0.40	0.43	0.13	0.03	0.13	38.4	7.3	7.7	23.4	18.7	4.7	4098	205	50	756	25	176	8570	16862	50	0.1
All	2069.4	14.93	7.68	8.41	2.90	0.73	2.90	2383.3	87.0	62.7	2233.6	1786.9	446.7	102486	5124	2069	31041	1035	7243	351798	607649	2069	4.1
Bay	439.7	1.93	1.48	1.52	0.18	0.04	0.18	386.2	12.4	7.6	366.1	292.9	73.2	20478	1024	440	6596	220	1539	74757	121029	440	0.9
<b>Runoff from Keys</b>																							
Upper->Bay	11.1	2.11	1.27	1.48	0.21	0.21	0.21	7.5	4.9	0.3	2.4	1.2	1.2	11	232	55	133	1	19	1405	3065	1412	0.0
Mid -> Bay	5.7	1.30	0.67	0.83	0.16	0.16	0.16	5.3	3.4	0.2	1.8	0.9	0.9	6	120	29	69	1	10	728	1587	727	0.0
Lower -> Bay	16.7	2.88	1.85	2.11	0.26	0.26	0.26	11.9	6.4	0.5	4.9	2.4	2.4	17	350	83	200	2	28	2115	4613	2071	0.0
Upper ->Reef	11.1	2.11	1.27	1.48	0.21	0.21	0.21	7.5	4.9	0.3	2.4	1.2	1.2	11	232	55	133	1	19	1405	3065	1412	0.0
Mid -> Reef	5.7	1.30	0.67	0.83	0.16	0.16	0.16	5.3	3.4	0.2	1.8	0.9	0.9	6	120	29	69	1	10	728	1587	727	0.0
Lower -> Reef	16.7	2.88	1.85	2.11	0.26	0.26	0.26	11.9	6.4	0.5	4.9	2.4	2.4	17	350	83	200	2	28	2115	4613	2071	0.0
All	66.9	12.58	7.58	8.83	1.25	1.25	1.25	49.4	29.4	2.0	18.1	9.0	9.0	67	1405	335	803	7	114	8497	18532	8419	0.1
Bay	16.8	3.41	1.94	2.31	0.37	0.37	0.37	12.9	8.2	0.5	4.2	2.1	2.1	17	353	84	202	2	29	2133	4653	2139	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	2069.4	14.93	7.68	8.41	2.90	0.73	2.90	2383.3	87.0	62.7	2233.6	1786.9	446.7	102486	5124	2069	31041	1035	7243	351798	607649	2069	4.1
Runoff	66.9	12.58	7.58	8.83	1.25	1.25	1.25	49.4	29.4	2.0	18.1	9.0	9.0	67	1405	335	803	7	114	8497	18532	8419	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	8848.0	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	10994.0	213.11	140.31	187.12	9.39	7.22	9.39	5143.4	1223.4	906.4	3013.6	2463.9	549.8	109215	6723	3216	47357	1061	8903	369095	763435	11560	11.9
Avg Inflow Conc (ppm)		0.019	0.013	0.017	0.001	0.001	0.001	0.468	0.111	0.082	0.274	0.224	0.050	9.934	0.611	0.293	4.307	0.096	0.810	33.57	69.44	1.052	0.001
<b>Summary - Bay Area = 1813 km2</b>																							
Mainland	439.7	1.93	1.48	1.52	0.18	0.04	0.18	386.2	12.4	7.6	366.1	292.9	73.2	20478	1024	440	6596	220	1539	74757	121029	440	0.9
Runoff	16.8	3.41	1.94	2.31	0.37	0.37	0.37	12.9	8.2	0.5	4.2	2.1	2.1	17	353	84	202	2	29	2133	4653	2139	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	2101.2	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	2560.8	54.59	36.88	48.29	2.14	2.01	2.14	1063.2	286.8	218.0	558.4	457.2	101.2	22081	1438	720	10501	228	1936	79056	158657	2873	2.7
Avg Inflow Conc (ppm)		0.021	0.014	0.019	0.001	0.001	0.001	0.415	0.112	0.085	0.218	0.179	0.040	8.623	0.561	0.281	4.101	0.089	0.756	30.87	61.96	1.122	0.001

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