

**Project Inflows by Source**  
**BMP Performance: 25% (ECP Design)**

**Inflows to STA's or EAA Storage Reservoirs**  
**Including STA High-Flow Bypasses**

**WY 1979-1988**

**Inflow Volume (kac-ft/yr)**

<u>Plan</u>	<u>Historical</u>	<u>ECP(1)</u>	<u>ECP(2)</u>	<u>95Base</u>	<u>50Base</u>	<u>ALT-A</u>	<u>ALT-B</u>	<u>ALT-C</u>	<u>ALT-D</u>	<u>A-D13R</u>
EAA	883.3	666.4	744.7	770.6	720.9	666.3	673.6	673.8	690.4	690.8
Lake	21.2	257.6	364.9	243.6	269.6	549.0	621.1	549.5	558.2	551.7
C139	114.5	114.5	114.5	115.1	112.8	113.6	114.0	113.9	113.9	113.9
298	0	24.9	24.9	0.0	19.3	19.6	22.3	22.0	22.0	22.2
C51W	4.9	105.4	105.4	0.0	117.4	124.8	124.8	124.8	117.4	117.3
L8	50.7	0.0	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0
Total	1074.6	1168.7	1354.4	1146.7	1240.0	1473.2	1555.8	1483.9	1501.8	1495.8

**Inflow Phosphorus Loads (mtons/yr)**

<u>Plan</u>	<u>Historical</u>	<u>ECP(1)</u>	<u>ECP(2)</u>	<u>95Base</u>	<u>50Base</u>	<u>ALT-A</u>	<u>ALT-B</u>	<u>ALT-C</u>	<u>ALT-D</u>	<u>A-D13R</u>
EAA	195.8	139.0	156.6	158.5	152.8	142.1	143.5	143.5	147.6	147.7
Lake	2.3	22.7	32.0	25.0	22.0	45.2	51.4	45.5	46.1	45.0
C139	34.3	34.3	34.3	33.9	33.8	33.8	33.8	33.8	33.8	33.8
298	0	6.1	6.1	0.0	4.1	3.9	4.3	4.2	4.3	4.3
C51W	0.9	24.1	24.1	0.0	26.8	28.5	28.5	28.5	26.8	26.8
L8	3.5	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
Total	236.8	226.2	253.0	218.6	239.5	253.4	261.6	255.6	258.6	257.6

**Inflow Concentrations (ppb)**

<u>Plan</u>	<u>Historical</u>	<u>ECP(1)</u>	<u>ECP(2)</u>	<u>95Base</u>	<u>50Base</u>	<u>ALT-A</u>	<u>ALT-B</u>	<u>ALT-C</u>	<u>ALT-D</u>	<u>A-D13R</u>
EAA	180	169	170	167	172	173	173	173	173	173
Lake	88	71	71	83	66	67	67	67	67	66
C139	243	243	243	239	243	241	240	241	241	241
298	0	199	199	0	172	160	156	157	157	157
C51W	149	185	185	0	185	185	185	185	185	185
L8	56	0	0	56	0	0	0	0	0	0
Total	179	157	151	154	156	139	136	140	139	139

ECP(1) = STA design (WY 1979-1988), without adjustment for IAP or BMP Makeup Water  
 ECP(2) = STA design (WY 1979-1988), with adjustment for IAP & BMP Makeup Water  
 Historical = Historical Inflows to WCA's (WY 1979-1988) used to derive STA design inflows.

**Project Outflows by Destination  
BMP Performance: 25% (ECP Design)**

**Outflows from STA's or Reservoirs  
Including STA High-Flow Bypasses**

**WY 1979-1988**

**Outflow Volume (kac-ft/yr)**

<u>Plan</u>	<u>Historical</u>	<u>ECP(1)</u>	<u>ECP(2)</u>	<u>95Base</u>	<u>50Base</u>	<u>ALT-A</u>	<u>ALT-B</u>	<u>ALT-C</u>	<u>ALT-D</u>	<u>A-D13R</u>
WCA-1	472.5	270.8	296.6	464.4	277.5	287.3	287.1	287.2	291.7	291.7
WCA-2A	229.0	176.3	216.6	263.9	258.2	227.7	257.4	259.3	263.2	236.4
WCA-3A	373.0	627.3	746.9	381.9	571.7	578.5	649.2	597.1	604.5	622.6
EAA	0.0	0.0	0.0	0.0	0.0	166.5	156.5	159.4	161.0	161.0
Rotenb.	0.0	105.0	105.0	0.0	97.5	127.6	126.9	127.3	128.1	128.0
Holeyland	0.0	0.0	0.0	19.2	0.0	4.7	5.1	4.8	4.7	5.0
Seminoles	0.0	0.0	0.0	0.0	1.2	1.4	1.3	1.3	1.4	1.4
C51W	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Total	1074.6	1179.4	1365.0	1129.3	1206.1	1393.7	1483.3	1436.3	1454.5	1445.9
WCA/R/HL	1074.6	1179.4	1365.0	1129.3	1204.8	1225.8	1325.5	1275.6	1292.1	1283.5

**Outflow Phosphorus Loads (mtons/yr)**

<u>Plan</u>	<u>Historical</u>	<u>ECP(1)</u>	<u>ECP(2)</u>	<u>95Base</u>	<u>50Base</u>	<u>ALT-A</u>	<u>ALT-B</u>	<u>ALT-C</u>	<u>ALT-D</u>	<u>A-D13R</u>
WCA-1	105.6	16.6	18.7	94.7	16.1	17.5	17.4	17.4	18.3	18.3
WCA-2A	30.5	10.8	15.7	36.0	22.6	17.9	21.2	21.5	21.9	19.2
WCA-3A	100.7	38.9	51.8	83.0	35.1	25.1	30.7	28.0	28.3	29.3
EAA	0.0	0.0	0.0	0.0	0.0	19.8	19.1	19.3	19.4	19.3
Rotenb.	0.0	9.6	9.6	0.0	9.0	12.7	12.6	12.6	12.7	12.7
Holeyland	0.0	0.0	0.0	3.8	0.0	0.2	0.2	0.2	0.2	0.2
Seminoles	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
C51W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	236.8	75.9	95.8	217.4	82.9	93.1	101.3	99.1	100.9	99.2
WCA/R/HL	236.8	75.9	95.8	217.4	82.8	73.3	82.1	79.7	81.4	79.8

**Outflow Concentrations (ppb)**

<u>Plan</u>	<u>Historical</u>	<u>ECP(1)</u>	<u>ECP(2)</u>	<u>95Base</u>	<u>50Base</u>	<u>ALT-A</u>	<u>ALT-B</u>	<u>ALT-C</u>	<u>ALT-D</u>	<u>A-D13R</u>
WCA-1	181	50	51	165	47	49	49	49	51	51
WCA-2A	108	50	59	110	71	64	67	67	67	66
WCA-3A	219	50	56	176	50	35	38	38	38	38
EAA	0	0	0	0	0	96	99	98	98	97
Rotenb.	0	74	74	0	74	80	80	80	80	80
Holeyland	0	0	0	159	0	35	38	37	37	38
Seminoles	0	0	0	0	47	51	51	51	51	51
C51W	0	0	0	0	43	0	0	0	0	0
Total	179	52	57	156	56	54	55	56	56	56
WCA/R/HL	179	52	57	156	56	48	50	51	51	50

WCA/R/HL = Total Project Outflows to WCA's, Rotenberger, & Holeyland

7/16/98