

Project Inflows by Source
BMP Performance: 51% (1995-1997)

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	102.2	97.1	90.7	91.5	91.6	94.5	94.6
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	32.3	31.9	32.0	32.1	32.1	32.1	32.1
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	160.7	181.9	200.2	207.9	201.9	203.8	202.7

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	107	109	110	110	110	111	111
Lake	88	71	71	83	66	67	67	67	67	66
C139	243	243	243	227	229	228	228	228	228	228
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	113	119	110	108	110	110	110

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: 51% (1995-1997)**

**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	69.8	14.1	15.4	15.4	15.4	15.8	15.8
WCA-2A	30.5	10.8	15.7	26.4	14.7	11.8	14.0	14.3	14.5	12.4
WCA-3A	100.7	38.9	51.8	61.1	24.9	21.1	26.4	24.0	24.3	25.2
EAA	0.0	0.0	0.0	0.0	0.0	14.3	13.6	13.7	13.8	13.8
Rotenb.	0.0	9.6	9.6	0.0	8.2	11.6	11.5	11.6	11.7	11.6
Holeyland	0.0	0.0	0.0	2.2	0.0	0.2	0.2	0.2	0.2	0.2
Seminoles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	159.5	61.9	74.4	81.2	79.2	80.4	79.2
WCA/R/HL	236.8	75.9	95.8	159.5	61.9	60.0	67.5	65.4	66.5	65.4

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	122	41	43	43	43	44	44
WCA-2A	108	50	59	81	46	42	44	45	45	43
WCA-3A	219	50	56	130	35	30	33	33	33	33
EAA	0	0	0	0	0	69	71	70	70	69
Rotenb.	0	74	74	0	68	74	74	74	74	74
Holeyland	0	0	0	92	0	30	33	33	33	33
Seminoles	0	0	0	0	27	28	29	28	28	28
C51W	0	0	0	0	43	0	0	0	0	0
Total	179	52	57	114	42	43	44	45	45	44
WCA/R/HL	179	52	57	114	42	40	41	42	42	41

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

7/16/98