

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

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

1965-1995

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	881.6	803.5	750.4	756.8	759.4	776.3	776.2
Lake	21.2	257.6	364.9	226.6	275.6	566.0	613.4	545.5	551.7	532.5
C139	114.5	114.5	114.5	147.2	142.7	143.7	144.1	143.7	143.7	143.7
298	0	24.9	24.9	0.0	21.1	21.8	24.2	24.0	24.0	24.1
C51W	4.9	105.4	105.4	0.0	114.4	122.2	122.5	122.4	120.2	120.1
L8	50.7	0.0	0.0	27.3	0.0	0.0	0.0	0.0	0.0	0.0
Total	1074.6	1168.7	1354.4	1282.7	1357.2	1604.0	1660.9	1595.1	1615.9	1596.6

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	116.3	107.6	101.6	102.3	102.7	105.7	105.7
Lake	2.3	22.7	32.0	23.5	22.8	46.6	51.4	45.9	46.4	44.4
C139	34.3	34.3	34.3	41.3	40.5	40.7	40.8	40.7	40.7	40.7
298	0	6.1	6.1	0.0	4.5	4.3	4.7	4.7	4.7	4.7
C51W	0.9	24.1	24.1	0.0	26.1	27.9	28.0	28.0	27.4	27.4
L8	3.5	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0
Total	236.8	226.2	253.0	183.0	201.5	221.2	227.1	222.0	224.9	222.9

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	108	110	110	110	110	110
Lake	88	71	71	84	67	67	68	68	68	68
C139	243	243	243	227	230	229	229	229	229	229
298	0	199	199	0	172	161	157	158	158	158
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	116	120	112	111	113	113	113

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**

1965-1995

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	500.3	284.6	297.9	297.4	298.2	307.4	307.4
WCA-2A	229.0	176.3	216.6	283.4	292.1	274.8	306.7	308.9	312.7	279.9
WCA-3A	373.0	627.3	746.9	457.1	628.7	662.9	690.9	637.4	641.3	655.4
EAA	0.0	0.0	0.0	0.0	0.0	145.6	144.1	146.7	148.1	146.9
Rotenb.	0.0	105.0	105.0	0.0	128.9	156.0	156.1	156.3	156.4	156.3
Holeyland	0.0	0.0	0.0	14.6	0.0	2.6	2.3	2.5	2.6	2.7
Seminoles	0.0	0.0	0.0	0.0	1.1	1.5	1.4	1.5	1.5	1.5
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	1255.4	1335.4	1541.3	1599.0	1551.6	1570.0	1550.0
WCA/R/HL	1074.6	1179.4	1365.0	1255.4	1334.2	1394.2	1453.4	1403.3	1420.4	1401.7

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	75.2	15.1	16.7	16.7	16.7	17.9	17.9
WCA-2A	30.5	10.8	15.7	28.4	17.2	15.0	17.6	18.0	18.3	15.6
WCA-3A	100.7	38.9	51.8	75.8	29.9	28.1	30.9	28.1	28.2	29.1
EAA	0.0	0.0	0.0	0.0	0.0	12.1	12.0	12.1	12.2	12.1
Rotenb.	0.0	9.6	9.6	0.0	14.2	17.4	17.4	17.4	17.5	17.4
Holeyland	0.0	0.0	0.0	1.7	0.0	0.1	0.1	0.1	0.1	0.1
Seminoles	0.0	0.0	0.0	0.0	0.0	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	181.1	76.3	89.5	94.7	92.5	94.3	92.4
WCA/R/HL	236.8	75.9	95.8	181.1	76.3	77.3	82.6	80.4	82.0	80.2

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	43	45	45	45	47	47
WCA-2A	108	50	59	81	48	44	47	47	47	45
WCA-3A	219	50	56	134	39	34	36	36	36	36
EAA	0	0	0	0	0	68	67	67	67	67
Rotenb.	0	74	74	0	89	90	90	90	90	90
Holeyland	0	0	0	92	0	34	36	36	36	36
Seminoles	0	0	0	0	33	34	34	34	33	33
C51W	0	0	0	0	42	46	46	46	45	45
Total	179	52	57	117	46	47	48	48	49	48
WCA/R/HL	179	52	57	117	46	45	46	46	47	46

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

7/16/98