

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

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	182.2	169.9	159.7	160.9	161.5	165.6	165.5
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	43.4	43.1	43.2	43.2	43.2	43.2	43.2
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	251.0	266.4	281.7	288.2	283.3	287.3	285.2

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	171	172	172	172	173	173
Lake	88	71	71	84	67	67	68	68	68	68
C139	243	243	243	239	245	243	243	243	243	243
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	159	159	142	141	144	144	145

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**

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	102.7	17.4	19.2	19.1	19.3	20.9	20.9
WCA-2A	30.5	10.8	15.7	39.2	26.3	22.6	26.3	26.9	27.3	23.9
WCA-3A	100.7	38.9	51.8	104.4	42.8	35.1	37.8	34.6	34.8	35.8
EAA	0.0	0.0	0.0	0.0	0.0	16.7	16.6	16.7	16.8	16.7
Rotenb.	0.0	9.6	9.6	0.0	15.5	19.0	19.0	19.1	19.1	19.1
Holeyland	0.0	0.0	0.0	2.9	0.0	0.1	0.1	0.1	0.1	0.1
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	249.2	102.2	112.8	119.1	116.8	119.2	116.6
WCA/R/HL	236.8	75.9	95.8	249.2	102.1	96.0	102.4	99.9	102.3	99.7

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	166	50	52	52	52	55	55
WCA-2A	108	50	59	112	73	67	70	70	71	69
WCA-3A	219	50	56	185	55	43	44	44	44	44
EAA	0	0	0	0	0	93	93	92	92	92
Rotenb.	0	74	74	0	98	99	99	99	99	99
Holeyland	0	0	0	159	0	42	43	43	43	43
Seminoles	0	0	0	0	61	61	61	61	60	60
C51W	0	0	0	0	43	46	46	46	45	45
Total	179	52	57	161	62	59	60	61	62	61
WCA/R/HL	179	52	57	161	62	56	57	58	58	58

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

7/16/98