

**Water & Mass Balances on EAA Reservoirs & STA's**  
**BMP Performance: 51% (1995-1997)**

**A-D13R**  
**WY 1979-1988**

	<---- Reservoir or STA Inflows ---->				<---- Reservoir or STA Outflows ---->						Total to WCA	Reduction
	Runoff	Lake Release	Upstream Reservoir	Total	Irrigation	Downstream Reservoir	STA-34	WCAs*	Total	Bypass		
<b>Flow (kac-ft/yr)</b>												
Talisman	184.5	0.0	0.0	184.5	159.4	5.9	0.0		165.2			19.3
EAA North	0.0	362.2	5.9	368.0	1.6	51.2	314.4		367.2			0.8
EAA South	0.0	10.5	51.2	61.6	0.0	0.0	66.1		66.1			-4.5
Total Res.	184.5	372.7		557.1	161.0		380.5		541.5			15.6
STA-34	116.1	138.9	380.5	635.4	0.0			636.4	636.4	22.9	659.2	-0.9
Res+STA34	300.5	511.5		812.0	161.0			636.4	797.3	22.9	659.2	14.7
STA-6	19.3	2.9		22.2	1.4			17.9	19.2	0.0	17.9	2.9
STA-5	102.3	31.7		134.0				128.0	128.0	0.0	128.0	6.0
STA-2	178.8	5.6		184.4				177.5	177.5	9.3	186.8	6.9
STA-1W	165.9	0.0		165.9				168.0	168.0	0.0	168.0	-2.1
STA-1E	118.3	0.0		118.3	0.0			123.7	123.7		123.7	-5.4
Total STA	700.5	179.0	380.5	1260.0	1.4			1251.4	1252.8	32.2	1283.5	7.3
Total	885.0	551.7		1436.6	162.4			1251.4	1413.7	32.2	1283.5	22.9
<b>Total P Load (mtons/yr)</b>												
Talisman	21.0	0.0	0.0	21.0	13.7	0.5	0.0		14.2			6.8
EAA North	0.0	29.2	0.5	29.7	0.1	3.5	21.7		25.3			4.4
EAA South	0.0	0.9	3.5	4.4	0.0	0.0	6.6		6.6			-2.2
Total Res.	21.0	30.1		51.0	13.8		28.3		42.1			8.9
STA-34	17.4	11.7	28.3	57.3	0.0			25.9	25.9	2.6	28.5	31.5
Res+STA34	38.4	41.7		80.1	13.8			25.9	39.7	2.6	28.5	40.4
STA-6	2.4	0.2		2.6	0.0			0.6	0.7	0.0	0.6	1.9
STA-5	30.0	2.5		32.6				11.6	11.6	0.0	11.6	20.9
STA-2	23.1	0.5		23.6				7.7	7.7	1.1	8.8	15.9
STA-1W	33.2	0.0		33.2				9.3	9.3	0.0	9.3	23.9
STA-1E	27.0	0.0		27.0	0.0			6.6	6.6		6.6	20.4
Total STA	133.1	14.9	28.3	176.3	0.0			61.6	61.7	3.7	65.4	114.6
Total	154.0	45.0		199.0	13.8			61.6	75.5	3.7	65.4	123.5
<b>Total P Conc (ppb)</b>												
Talisman	92			92	70	70			70			22
EAA North		65	70	65	56	56	56		56			9
EAA South		68	56	58			81		81			-23
Total Res.	92	65		74	69		60		63			
STA-34	122	68	60	73				33	33	92	35	40
Res+STA34	103	66		80	69			33	40	92	35	40
STA-6	100	64		95	28			28	28		28	67
STA-5	238	64		197				74	74		74	123
STA-2	105	78		104				35	35	99	38	69
STA-1W	162			162				45	45		45	117
STA-1E	185			185				43	43		43	142
Total STA	154	68	60	113	28			40	40	94	41	73
Total	141	66		112	69			40	43	94	41	69

\* Outflow to WCA's includes WCA-1, WCA-2A, WCA-3A, Holeyland & Rotenberger