

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

A-D13R
1965-1995

	<---- Reservoir or STA Inflows ---->				<---- Reservoir or STA Outflows ---->				Total Bypass	Total to WCA	Reduction	
	Runoff	Lake Release	Upstream Reservoir	Total	Downstream Irrigation	Reservoir	STA-34	WCAs*				Total
Flow (kac-ft/yr)												
Talisman	165.5	0.0	0.0	165.5	141.6	6.6	0.0		148.2		17.2	
EAA North	0.0	262.5	6.6	269.1	5.3	55.6	200.9		261.7		7.4	
EAA South	0.0	15.4	55.6	71.0	0.0	0.0	72.7		72.7		-1.7	
Total Res.	165.5	277.9		443.4	146.9		273.6		420.4		23.0	
STA-34	192.2	213.0	273.6	678.8	0.0			677.7	677.7	27.8	705.5	1.1
Res+STA34	357.7	491.0		848.7	146.9			677.7	824.6	27.8	705.5	24.1
STA-6	23.4	3.0		26.3	1.5			22.9	24.4	0.0	22.9	1.9
STA-5	130.6	29.0		159.6				156.0	156.0	0.4	156.3	3.6
STA-2	197.4	9.4		206.8				201.8	201.8	7.8	209.6	5.0
STA-1W	178.5	0.0		178.5				179.6	179.6	0.0	179.6	-1.1
STA-1E	122.4	0.0		122.4	0.0			127.8	127.8		127.8	-5.4
Total STA	844.6	254.3	273.6	1372.4	1.5			1365.8	1367.3	35.9	1401.7	5.2
Total	1010.1	532.2		1542.3	148.4			1365.8	1514.2	35.9	1401.7	28.1
Total P Load (mtons/yr)												
Talisman	18.8	0.0	0.0	18.8	11.7	0.5	0.0		12.3		6.5	
EAA North	0.0	21.2	0.5	21.8	0.4	3.8	13.9		18.1		3.7	
EAA South	0.0	1.3	3.8	5.1	0.0	0.0	6.3		6.3		-1.2	
Total Res.	18.8	22.5		41.3	12.1		20.2		32.3		9.0	
STA-34	25.2	18.4	20.2	63.8	0.0			30.1	30.1	3.2	33.2	33.7
Res+STA34	43.9	40.9		84.9	12.1			30.1	42.2	3.2	33.2	42.7
STA-6	2.9	0.2		3.1	0.1			0.9	1.0	0.0	0.9	2.1
STA-5	38.4	2.3		40.7				17.3	17.3	0.1	17.4	23.3
STA-2	25.5	0.9		26.4				9.8	9.8	1.0	10.7	16.7
STA-1W	35.7	0.0		35.7				10.8	10.8	0.0	10.8	24.9
STA-1E	27.9	0.0		27.9	0.0			7.1	7.1		7.1	20.8
Total STA	155.5	21.8	20.2	197.6	0.1			76.0	76.0	4.2	80.2	121.5
Total	174.3	44.3		218.7	12.2			76.0	88.2	4.2	80.2	130.5
Total P Conc (ppb)												
Talisman	92			92	67	67			67		25	
EAA North		65	67	66	56	56	56		56		9	
EAA South		67	56	59			70		70		-12	
Total Res.	92	66		75	67		60		62			
STA-34	106	70	60	76				36	36	92	38	40
Res+STA34	100	68		81	67			36	41	92	38	40
STA-6	100	64		96	33			33	33		33	63
STA-5	238	64		206				90	90	238	90	116
STA-2	105	78		104				39	39	99	41	64
STA-1W	162			162				49	49		49	113
STA-1E	184			184	45			45	45		45	140
Total STA	149	70	60	117	33			45	45	95	46	72
Total	140	67		115	66			45	47	95	46	68

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