STA & Reservoir Hydraulic Data   **BMP Performance: 25% (ECP Design)**   **1965-1995**   **ALT-D13R**

STA or Reservoir	Area Acres	Mean Depth feet	Resid. Time days	Water Load in/day	Inflow Conc ppb	Outflow Conc ppb	Depth Frequencies--->			
							<.1 ft	<.5 ft	< 1ft	> 4ft
STA_1E	5350	1.4	21.0	0.76	185	45	0.0%	0.1%	4.3%	0.0%
STA_1W	6670	1.8	23.8	0.90	209	62	0.2%	2.4%	14.4%	1.0%
STA_2	6430	1.5	16.7	1.06	161	60	0.0%	0.2%	4.8%	0.0%
STA_3+4	16480	2.4	21.1	1.39	93	43	0.0%	0.0%	0.1%	1.3%
STA_5	4118	1.5	14.9	1.27	226	98	0.0%	0.7%	12.5%	0.0%
STA_6	870	0.9	10.3	1.01	182	60	1.8%	26.7%	53.0%	0.0%
TALISMAN	20000	3.7	182.6	0.27	159	94	12.8%	14.7%	17.2%	51.2%
AA_RES_N	20000	2.7	74.7	0.44	66	56	23.2%	32.4%	42.1%	39.2%
AA_RES_S	20000	1.3	133.3	0.12	59	70	34.2%	47.5%	59.8%	10.9%

STA or Reservoir	Precip in/yr	ET in/yr	Seepage Rates Inflow in/yr	Outflow in/yr	Net Inflows - Outflows in/yr
STA_1E	59.1	44.8	2.1	5.0	11.4
STA_1W	56.2	56.2	7.5	5.8	1.8
STA_2	51.3	58.6	1.1	4.9	-11.1
STA_3+4	50.7	59.4	0.2	4.8	-13.2
STA_5	48.0	55.9	0.0	0.0	-7.9
STA_6	52.0	51.0	6.0	35.2	-28.1
TALISMAN	50.4	58.6	0.0	0.5	-8.7
AA_RES_N	51.4	52.9	0.0	0.8	-2.2
AA_RES_S	52.2	48.3	0.3	0.4	3.9
STA Design	48.5	45.3	0.0	0.0	3.2 ECP Design Assumptions (WY 1979-1988)

Seepage inflow & outflow rates calculated from groundwater inflow & outflow terms of SFWMM monthly water budgets
Net = Precip + Inflow Seepage - Evapotranspiration - Outflow Seepage = Net Flow Increase per Unit Area

07/16/98