

EUFAULA LAKE SEDIMENT ESTIMATES

1964 Survey		1969 Survey		1977 Survey		2004 Survey	
Elevation	Capacity	Elevation	Capacity	Elevation	Capacity	Elevation	Capacity
feet	ac-ft	feet	ac-ft	feet	ac-ft	feet	ac-ft
495	-	495	-	495	0	495	0
565	914,190	565	876,994	565	851,597	565	797,990
585	2,434,282	585	2,378,960	585	2,314,574	585	2,144,315
565-585	1,520,092	565-585	1,501,966	565-585	1,462,977	565-585	1,346,325

<u>Average Annual Sediment Inflow into Conservation Pool</u>								
1969			1977			2004		
Incremental Results from Previous Survey								
years	ac-ft	ac-ft/yr	years	ac-ft	ac-ft/yr	years	ac-ft	ac-ft/yr
5	18,126	3,625	8	38,989	4,874	27	116,652	4,320
Cummulative Results from Original 1964 Survey								
5	18,126	3,625	13	57,115	4,393	40	173,767	4,344

<u>Sediment Inflow Results Based upon 2004 Survey</u>	Actual Sediment Inflow	50-year Predicted Sediment Inflow
Inactive pool loss (ac-ft) =	116,200	630,000
Average Annual sediment inflow into Inactive Pool (ac-ft/yr) =	2,905	12,600
Inactive Storage Loss in Percent =	13%	
Conservation pool loss (ac-ft) =	173,767	632,000
Average Annual sediment inflow into Conservation Pool =	4,344	12,640
Conservation Pool Loss in Percent =	11%	
Total pool loss below 585 (ac-ft) =	289,967	1,262,000
Average Annual sediment inflow Below 585 =	7,249	25,240
Pool Loss below elevation 585 in Percent =	12%	

<u>Original 50-Year Design Estimates</u>		
Storage Feature Elevation	ac-ft	ac-ft/yr
Above 597	90,000	1,800
585 to 597	183,000	3,660
565 to 585	632,000	12,640
Below 565	630,000	12,600
Total	1,535,000	30,700