

RESERVOIR SEDIMENTATION DESIGN SUMMARY

WATERSHED _____ SITE NO. _____ DRAINAGE AREA _____ Sq. Mi. _____ Acres

LOCATION _____ STATE _____ PURPOSE _____

DATA COMPUTED BY _____ DATE _____

SEDIMENT YIELD BY SOURCES (AVERAGE ANNUAL)

		PRESENT CONDITIONS			FUTURE (AFTER CONS. TREATMENT)		
			SOIL LOSS	TOTAL	ACRES	SOIL LOSS	TOTAL
SHEET EROSION	CULTIVATED LAND						
	IDLE LAND						
	PASTURE-RANGE						
	WOODLAND						
			DELIVERY RATIO(%)		DELIVERED	DELIVERY RATIO (%)	DELIVERED
SHEET EROSION - TOTAL							
GULLY EROSION							
STREAMBANK EROSION							
FLOODPLAIN SCOUR							
CONSTRUCTION							
				TOTAL		TOTAL	

DEPOSITION

TEXTURE INCOMING SEDIMENT			SEDIMENT DELIVERED TO SITE	TRAP EFFICIENCY (%)	ANNUAL DEPOSITION	DESIGN PERIOD (YRS)	PERIOD DEPOSITION	SEDIMENT PASSING
% CLAY	% SILT	% COARSE						
			PRESENT					
VOLUME WEIGHT DEPOSITED SEDIMENT LBS/CU. FT.			FUTURE					
SUBMERGED			FUTURE					
AERATED								
						TOTALS		

SEDIMENT STORAGE REQUIREMENTS

CONDITION OF SEDIMENT	% OF TOTAL	DEPOSITION	VOLUME WEIGHT	STORAGE REQUIRED		STORAGE ALLOCATION (ACRE FEET)		
			/AC.FT.	ACRE- FEET	WATERSHED INCHES	SEDIMENT POOL	RETARDING POOL	OTHER
SUBMERGED								
AERATED								
TOTALS								