

DAM CLASSIFICATION OR RECLASSIFICATION FOR ALABAMA

WATERSHED _____ **SITE NO.** _____ **COUNTY** _____ **JOB CLASS** _____

SITE STATUS AND HAZARD CLASS: Planning _____ Design _____

Date Dam Completed: _____ Current Hazard Class _____

Classified by _____ Title _____ Date _____

(Engineer having design approval authority for job class) _____

Drainage Area _____ sq.mi. Seismic Zone _____ Approx. Dam Height _____ ft.

General Setting of Location _____

Purpose of Storage _____ Total Storage _____ ac.ft.

Flood Storage _____ ac.ft. Other Storage _____ ac.ft.

Single Site _____ Upper in series _____ Lower in series _____ Intermediate in series _____

Cover Type in Drainage Area _____

Basic Geological Data _____

Configuration of Valley (Attach a flood plain map) _____

Degree of Expected Maintenance is _____

Specific Safety Laws and/or Needs _____

DESCRIBE EXISTING CONDITIONS DOWNSTREAM AND POTENTIAL FOR FUTURE DEVELOPMENT

(Potential loss to human life and/or property damage)

Agricultural Land _____

Industrial and Commercial Land _____

Roads and Highways _____

Railroads _____

Farm Buildings _____

Commercial Buildings _____

Homes _____

Public Utilities _____

Lakes, Ponds, Lagoons _____

Potential for Development _____

Other _____

Relative Risk Assessment $R_r = O_t + S_t =$ _____ $+$ _____ $=$ _____

Overtopping Failure Score (O_t) = $O_1 \times O_2 \times O_3 =$ _____ \times _____ \times _____ $=$ _____

Structure Failure Score $S_t = S_1 \times S_2 \times S_3 =$ _____ \times _____ \times _____ $=$ _____

Was a breach study made: _____ If so, attach the inundation map.

CONCUR: STATE CONSERVATION ENGINEER _____ DATE _____
(All Jobs)

Classification Reviewed: _____

SOIL-COVER COMPLEX FOR STRUCTURES

WATERSHED	SITE
WATERSHED	

1. Drainage Area = _____ sq.mi. = _____ acres
2. L = Length of watercourse = _____ feet
3. T_C = Time of concentration = $\frac{L}{3600 v}$ = $\frac{L}{3600 \times \text{_____}}$ = _____ hours (upland)
 $\frac{L}{3600 v}$ = $\frac{L}{3600 \times \text{_____}}$ = _____ hours (stream)
 Time of Concentration = _____ hours

4. DETERMINATION OF RUNOFF CURVE NUMBERS FOR SOIL CONDITION II

Land Use or Cover	Treatment or Practice	Hydrologic Condition	Soil Group	Area		Curve Number	Weighted Curve Number
				Acres	Percent		
TOTAL							

Prepared by _____

Date _____

Title _____