

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Crabtree

NAME OF RESERVOIR

75-10

DATA SHEET NO.

DAM	1. OWNER <b>Crabtree</b>			2. STREAM <b>Trib. to White</b>			3. STATE <b>Washington</b>					
	4. SEC. <b>31</b> TWP. <b>21 N</b> RANGE <b>5 E</b>			5. NEAREST P.O. <b>Auburn</b>			6. COUNTY <b>King</b>					
	7. LAT. <b>47° 15'</b> " LONG. <b>122° 15'</b> "			8. TOP OF DAM ELEVATION <b>102.0</b>			9. SPILLWAY CREST ELEV. <b>100.0</b>					
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-FEET		14. GROSS STORAGE, ACRE-FEET		15. DATE STORAGE BEGAN	
	a. FLOOD CONTROL										May 1967	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										May 1967	
	f. CONSERVATION		100*		0.89		6.92		6.92			
g. INACTIVE												
WATERSHED	17. LENGTH OF RESERVOIR				.08 MILES		AV. WIDTH OF RESERVOIR				.023 MILES	
	18. TOTAL DRAINAGE AREA				0.475 SQ. MI.		22. MEAN ANNUAL PRECIPITATION				37.0 INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				0.11 SQ. MI.		23. MEAN ANNUAL RUNOFF				28.0 INCHES	
	20. LENGTH		1.0 MILES		AV. WIDTH		0.5 MILES		24. MEAN ANNUAL RUNOFF		709.0 AC.-FT.	
	21. MAX. ELEV.		600		MIN. ELEV.		125		25. ANNUAL TEMP.: MEAN RANGE			
SURVEY DATA	26. DATE OF SURVEY		27. PERIOD YEARS	28. ACCL. YEARS	29. TYPE OF SURVEY		30. NO. OF RANGES OR CONTOUR INT.	31. SURFACE AREA, ACRES	32. CAPACITY, ACRE-FEET	33. C/I. RATIO, AC.-FT. PER AC.-FT.		
	May 1967		-	-	-		-	0.89	6.92	0.01		
	June 1, 1970		3	3	Range (D)		5	0.89	6.38	0.009		
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.			
					a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE			
	26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET						
			a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR				
	June 1, 1970		0.544	0.181	1.65	0.544	0.181	1.65				
	26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PER SQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM			
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE					
June 2, 1970		60**	2156	2156	2.6	7.86						

\* Sediment debris basin.

\*\* Estimated.

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION												
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

Land Use - Forested - 234 acres; cleared, bare of vegetation - 70 acres.

Geology - Glacial till mantle.

Soils - Alderwood, gravelly sandy loam.

Slope - 0-6% - 16 acres; 6-15% - 164 acres; 15-30% - 124 acres.

48. AGENCY MAKING SURVEY Soil Conservation Service  
 49. AGENCY SUPPLYING DATA Soil Conservation Service  
 50. DATE June 10, 1970