

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Dechenne

SCS-34 Rev. 6-66

NAME OF RESERVOIR

76-18

DATA SHEET NO.

DAM	1. OWNER Charles Dechenne			2. STREAM Unnamed			3. STATE Washington							
	4. SEC. 29 TWP. 19N RANGE 41E			5. NEAREST P.O. St. John			6. COUNTY Whitman							
	7. LAT. 47° 06' " LONG. 117° 39' "			8. TOP OF DAM ELEVATION 100			9. SPILLWAY CREST ELEV. 97							
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										9-72			
	b. MULTIPLE USE													
	c. POWER													
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION													
	f. CONSERVATION		97		.34		2.0		2.0		9-72			
	g. INACTIVE													
WATERSHED	17. LENGTH OF RESERVOIR .024			MILES			AV. WIDTH OF RESERVOIR 0.022			MILES				
	18. TOTAL DRAINAGE AREA 1.14			SQ. MI.			22. MEAN ANNUAL PRECIPITATION 17.0			INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 1.14			SQ. MI.			23. MEAN ANNUAL RUNOFF 2.0			INCHES				
	20. LENGTH 1.5		MILES		AV. WIDTH 0.76		MILES		24. MEAN ANNUAL RUNOFF 121.6		AC.-F.T.			
	21. MAX. ELEV. 2100			MIN. ELEV. 1860			25. ANNUAL TEMP: MEAN 45.5			RANGE 75-25				
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.	
	9/72		--	--	--		--		0.34		2.0		0.016	
	4/9/73		1	1	R		4		--		1.28		0.011	
	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						
	4/9/73		0.72	0.72	0.63	0.72	0.72	0.63						
	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							
4/9/73		70 1/	960.4	960.4	36	36								

1/ Estimated for semi-aerated state.

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
	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														
<p>Geology: Loess overlying basalt. Land Use: Summer fallow - 320 Ac. Winter Wheat - 408 Ac. Soils: Athera silt loam Capability Classes: IVe = 275 Ac.; VIe 50 Ac.: IIe; IIIe: 403 Ac. Tons/Ac.: 1.7</p>														
48. AGENCY MAKING SURVEY Soil Conservation Service										49. AGENCY SUPPLYING DATA Soil Conservation Service				
										50. DATE <u>April 1973</u>				