

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Snyder

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

76-22

DATA SHEET NO.

DAM	1. OWNER Snyder			2. STREAM Unnamed			3. STATE WA.					
	4. SEC. 34 TWP. 19N RANGE 35E			5. NEAREST P.O. Ritzville 1/			6. COUNTY Adams					
	7. LAT. 47° 05' " LONG. 118° 24' 42"			8. TOP OF DAM ELEVATION 104 1/			9. SPILLWAY CREST ELEV. 100					
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										1949	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION				1.84		5.94		5.94			
	g. INACTIVE										1949	
WATERSHED	17. LENGTH OF RESERVOIR 0.14 MILES				AV. WIDTH OF RESERVOIR 0.02 MILES							
	18. TOTAL DRAINAGE AREA 0.45 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 10.0 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.45 SQ. MI.				23. MEAN ANNUAL RUNOFF 0.5 INCHES							
	20. LENGTH 1.0 MILES		AV. WIDTH 0.45 MILES		24. MEAN ANNUAL RUNOFF 12.0 AC.-FT.							
	21. MAX. ELEV. 1910		MIN. ELEV. 1790		25. ANNUAL TEMP.: MEAN 46.6 RANGE 68-25							
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.			
	1949		--	--	--	--	1.84	5.94	0.50			
	5/9/74		25	25	Range (D)	5(R)	1.84	0.25	0.20			
	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				
	5/9/74		5.69	0.23	0.51	5.69	0.23	0.51				
	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				
5/9/74		75 1/	833	833	3.8	96						

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

Geology - Loessal soils overlying basalt rock.
 Soils - Ritzville Sil.
 Land Use - Alternating wheat-fallow.

1/ Est. Wt.

48. AGENCY MAKING SURVEY Soil Conservation Service
 49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE June 3, 1974