

RESERVOIR SEDIMENT  
DATA SUMMARY

Coyote Creek #3

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

NAME OF RESERVOIR

73-4

DATA SHEET NO.

DAM	1. OWNER <b>USDA Forest Service</b>			2. STREAM <b>Trib. to S. Umpqua</b>			3. STATE <b>Oregon</b>						
	4. SEC. <b>28 TWP. 29S RANGE 1E</b>			5. NEAREST P.O. <b>Tiller, Ore 135W</b>			6. COUNTY <b>Douglas</b>						
	7. LAT <b>43° 01' " LONG 122° 43' "</b>			8. TOP OF DAM ELEVATION <b>2407.5*</b>			9. SPILLWAY CREST ELEV. <b>2405*</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										16. DATE NORMAL OPER. BEGAN		
	b. MULTIPLE USE												
	c. POWER												
	d. WATER SUPPLY												
	e. IRRIGATION												
	f. CONSERVATION										6/23/65		
g. INACTIVE <u>1/</u>		2405*		0.0050		0.011		0.011		<u>2/</u>			
WATERSHED	17. LENGTH OF RESERVOIR <b>0.0038</b> MILES				AV. WIDTH OF RESERVOIR <b>0.0023</b> MILES								
	18. TOTAL DRAINAGE AREA <b>0.192</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>45.0</b> INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA <b>0.192</b> SQ. MI.				23. MEAN ANNUAL RUNOFF <b>16.0</b> INCHES								
	20. LENGTH <b>0.75</b> MILES		AV. WIDTH <b>0.30</b> MILES		24. MEAN ANNUAL RUNOFF <b>164</b> AC.-F.T.								
	21. MAX. ELEV. <b>3050</b>		MIN. ELEV. <b>2400</b>		25. ANNUAL TEMP.: MEAN <b>51</b> RANGE <b>5-105</b>								
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.	
	6/23/65				Detailed			0.0050		0.011		0.000067	
	8/2/66		1.11	1.11	<u>2/</u>								
	8/7/67		1.01	1.01									
	8/6/68		1.00	1.00									
	7/16/69		.94	.94									
	7/7/70		.98	.98									
	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				
	66		42.4		12.96 <sup>3/</sup>	12.96	11.67						
67		46.7		19.10	19.10	18.91	Same	Same					
68		34.5											
69		43.7											
70		45.8											
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						
66		0.00314	0.00283	0.0147									
67		0.00039	0.00039	0.0020									
68		0.00045	0.00045	0.0023									
69		0.00018	0.00019	0.0010									
70		0.00108	0.00110	0.0057									
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						

\* Partially 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
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

1/ Item 10g; water quality and yield research; inflow=outflow; unlogged

2/ Items 15, 16, 29; measured and cleaned annually; 2-foot grid of bottom elevations or volumetric measurements

3/ Item 35; Sept.-Oct. water years 1966 and 1967.

48. AGENCY MAKING SURVEY Forest Service, Pacific NW Forest & Range Experiment Station

49. AGENCY SUPPLYING DATA " " " " " "

50. DATE 8/19/71

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

Coyote Creek #3

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

73-2/  
DATA SHEET NO.

DAM	1. OWNER USDA Forest Service			2. STREAM Trib. to S. Umpqua			3. STATE Oregon									
	4. SEC. 28 TWP. 29S RANGE 1 E			5. NEAREST P.O. Tiller, OR 13SW			6. COUNTY Douglas									
	7. LAT. 43° 01' " LONG. 122° 43' "			8. TOP OF DAM ELEVATION 2407.5*			9. SPILLWAY CREST ELEV. 2405*									
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										6-23-65 <sup>2/</sup>					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION															
	f. CONSERVATION										6-23-65 <sup>2/</sup>					
g. INACTIVE <u>1/</u>		2405*		0.0050		0.011		0.011								
WATERSHED	17. LENGTH OF RESERVOIR 0.0038 MILES				AV. WIDTH OF RESERVOIR 0.0023 MILES											
	18. TOTAL DRAINAGE AREA 0.192 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 46.3 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 0.192 SQ. MI.				23. MEAN ANNUAL RUNOFF 25.7 INCHES											
	20. LENGTH 0.75 MILES		AV. WIDTH 0.30 MILES		24. MEAN ANNUAL RUNOFF 263 AC.-FT.											
	21. MAX. ELEV. 3050		MIN. ELEV. 2400*		25. ANNUAL TEMP.: MEAN 51		RANGE 5-105									
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.	
	6-23-65-						Detailed <u>2/</u>				0.0050		.014		.000053	
	8-2-66		1.11		1.11											
	8-7-67		1.01		2.12											
	8-6-68		1.00		3.12											
	7-16-69		.94		4.06											
	7-7-70		.98		5.04											
	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			
	6-23-65-															
	8-2-66		42.4		133		133		120		133		120			
	8-7-67		46.7		196		196		194		329		314			
	8-6-68		34.5		70		70		70		399		384			
7-16-69		43.7		191		191		191		590		575				
7-7-70		45.8		188		188		187		778		762				
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				
6-23-65-																
8-2-66		.0031		.0028		.0147		.0031		.0028		.015				
8-7-67		.0004		.0004		.0020		.0035		.0032		.018				
8-6-68		.0005		.0005		.0023		.0040		.0037		.019				
7-16-69		.0002		.0002		.0010		.0042		.0039		.020				
7-7-70		.0011		.0011		.0057		.0053		.0050		.026				
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		

\*Partially 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

1/ Item 10g; water quality and yield research; inflow=outflow; unlogged.

2/ Items 15, 16, 29; measured and cleaned annually; 2-foot grid of bottom elevations or volumetric measurements.

3/ Basin full, unknown volume lost over wier notch.

48. AGENCY MAKING SURVEY Forest Service, Pacific NW Forest & Range Experiment Station

49. AGENCY SUPPLYING DATA same as above.

50. DATE \_\_\_\_\_