

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Coyote Creek #2

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

73-3

DATA SHEET NO.

DAM	1. OWNER USDA Forest Service			2. STREAM Trib. to S. Umpqua			3. STATE Oregon					
	4. SEC. 28 TWP. 29S RANGE 1E			5. NEAREST P.O. Tiller, Ore. 13SW			6. COUNTY Douglas					
	7. LAT. 43° 01' " LONG. 122 43' "			8. TOP OF DAM ELEVATION 2507.5*			9. SPILLWAY CREST ELEV. 2505*					
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											
	b. MULTIPLE USE										6/24/65 _{2/}	
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE ^{1/}		2505*		0.0056		0.012		0.012		6/24/65 _{2/}	
WATERSHED	17. LENGTH OF RESERVOIR 0.0038 MILES				AV. WIDTH OF RESERVOIR 0.0030 MILES							
	18. TOTAL DRAINAGE AREA 0.264 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 45.0 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.264 SQ. MI.				23. MEAN ANNUAL RUNOFF 19.1 3/ INCHES							
	20. LENGTH 0.75 MILES AV. WIDTH 0.38 MILES				24. MEAN ANNUAL RUNOFF 269 AC.-FT.							
	21. MAX. ELEV. 3350 MIN. ELEV. 2500				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.		
	6/24/65				Detailed							
	8/2/66		1.11	1.11								
	8/7/67		1.01	1.01								
	8/6/68		1.00	1.00	2/			0.0056	0.012	0.000045		
	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		11.983/	11.98	10.79					
	67		46.7		18.1	18.10	17.92					
	68		34.5		--	--	--	Same		Same		
	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		0.00092	0.00083	0.0031								
67		0.00009	0.00009	0.0003								
68		0.00011	0.00011	0.0004								
69		0.00004	0.00004	0.0002								
70		0.00011	0.00011	0.0004								
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															
<u>1/</u> Item 10g; Water quality and yield research, inflow=outflow; unlogged. <u>2/</u> Items 15,16,29 measured and cleaned annually; 2 foot grid of bottom elevations volumetric measurements <u>3/</u> Item 35 Sept. 30-Oct.1 Water years 1964-67.															
48. AGENCY MAKING SURVEY Forest Service, Pacific NW Forest															
49. AGENCY SUPPLYING DATA & Range Experiment Station " " " " " "															
														50. DATE 8/19/71	

RESERVOIR SEDIMENT

DATA SUMMARY

SCS-34 Rev. 6-66

Coyote Creek #2

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

73-3

DATA SHEET NO.

DAM	1. OWNER USDA Forest Service			2. STREAM Trib. to S. Umpqua			3. STATE Oregon									
	4. SEC. 28 TWP. 29S RANGE 1E			5. NEAREST P.O. Tiller, OR. 13SW			6. COUNTY Douglas									
	7. LAT. 43° 01' " LONG. 122° 43' "			8. TOP OF DAM ELEVATION 2507.5*			9. SPILLWAY CREST ELEV. 2505*									
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										6-24-65 <u>2/</u>					
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN					
	c. POWER										<u>2/</u>					
	d. WATER SUPPLY										6-24-65					
	e. IRRIGATION															
	f. CONSERVATION															
WATERSHED	g. INACTIVE <u>1/</u>		2505*		0.0056		0.012		0.012		6-24-65					
	17. LENGTH OF RESERVOIR 0.0038 MILES				AV. WIDTH OF RESERVOIR 0.0030' MILES											
	18. TOTAL DRAINAGE AREA 0.264 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 46.3 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 0.264 SQ. MI.				23. MEAN ANNUAL RUNOFF 20.0 INCHES											
	20. LENGTH 0.75 MILES		AV. WIDTH 0.38 MILES		24. MEAN ANNUAL RUNOFF 282 AC.-FT.		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.	
	6-24-65-						Detailed <u>2/</u>				0.0056		.013		.000047	
	8-2-66		1.12		1.12											
	8-7-67		1.01		2.13											
	8-6-68		1.00		3.13											
	7-16-69		.94		4.07											
	7-7-70		.98		5.05											
	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			
	6-24-65-															
	8-2-66		42.4		169		169		152		169		152			
	8-7-67		46.7		255		255		252		424		404			
	8-6-68		34.5		72		72		72		496		476			
	7-16-69		43.7		233		233		233		729		709			
	7-7-70		45.8		235		235		236		964		945			
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				
6-24-65-																
8-2-66		.00092		.00082		.0031		.00092		.00082		.0031				
8-7-67		.00009		.00009		.0003		.00101		.00091		.0034				
8-6-68		.00011		.00011		.0004		.00112		.00102		.0038				
7-16-69		.00004		.00004		.0002		.00116		.00106		.0040				
7-7-70		.00011		.00011		.0004		.00127		.00117		.0044				
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.

RESERVOIR SEDIMENT

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

DATA SUMMARY

Coyote Creek #2, continued page 3

SCS-34 Rev. 6-66

NAME OF RESERVOIR

73-3
DATA SHEET NO.

DAM	1. OWNER			2. STREAM			3. STATE					
	4. SEC.		TWP.		RANGE		5. NEAREST P. O.			6. COUNTY		
	7. LAT.		" LONG.		"		8. TOP OF DAM ELEVATION			9. SPILLWAY CREST ELEV.		
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											
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR				MILES	
	18. TOTAL DRAINAGE AREA				SQ. MI.		22. MEAN ANNUAL PRECIPITATION				INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				SQ. MI.		23. MEAN ANNUAL RUNOFF				INCHES	
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF		AC.-FT.	
	21. MAX. ELEV.			MIN. ELEV.			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.	
	6-8-76		.75	10.97	Detailed 2/							
	6-21-77		1.04	12.01								
	8-14-78		1.15	13.16				0.0056	.013		.000047	
	7-17-79		.92	14.08								
	5-28-80		.86	14.94								
	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		
	6-8-76		47.72		400	400	388		3055	3386		3386
	6-21-77		27.56		62	62	72		3117	3458		3458
8-14-78		49.46		283	283	283		3400	3741		3741	
7-17-79		41.79		238	238	240		3638	3981		3981	
5-28-80		41.68		233	233	225		3871	4206		4206	
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					
6-8-76		.00027	.00036	.001	.02535	.07191	.254					
6-21-77		.00005	.00005	.0002	.02540	.07196	.254					
8-14-78		.00021	.00018	.0007	.02561	.07214	.255					
7-17-79		.00012	.00013	.0005	.02573	.07227	.256					
5-28-80		.00007	.00008	.0003	.02580	.07235	.256					
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					

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															
<p>1/ Item 10g; Water quality and yield research, inflow=outflow; unlogged.</p> <p>2/ Items 15, 16, 29 measured and cleaned annually; 2 foot grid of bottom elevations volumetric measurements.</p>															
48. AGENCY MAKING SURVEY Forest Service, Pacific NW Forest and Range Experiment Station															
49. AGENCY SUPPLYING DATA same as above															
50. DATE _____															