

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Coyote Creek #4

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

73-5

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 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					
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN					
	c. POWER															
	d. WATER SUPPLY															
	e. IRRIGATION															
	f. CONSERVATION															
	g. INACTIVE 1/		2405*		0.0062		0.024		0.024		6/23/65					
WATERSHED	17. LENGTH OF RESERVOIR 0.0038 MILES				AV. WIDTH OF RESERVOIR 0.0030 MILES											
	18. TOTAL DRAINAGE AREA 0.188 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 45.0 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 0.188 SQ. MI.				23. MEAN ANNUAL RUNOFF 17.8 INCHES											
	20. LENGTH 0.62 MILES AV. WIDTH 0.27 MILES				24. MEAN ANNUAL RUNOFF 178 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									
	8/2/65-6		1.11		1.11		} 2/									
	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		14.73 _{3/}		14.73		13.27							
	67		46.7		20.90		20.90		20.69							
	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		0.00196		0.00177		0.0094										
67		0.00017		0.00017		0.0009										
68		0.00051		0.00051		0.0027										
69		0.00018		0.00019		0.0010										
70		0.00090		0.00092		0.0049										
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/ 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
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SOIL CONSERVATION SERVICE

Coyote Creek # 4

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NAME OF RESERVOIR

73-5
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 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								
	b. MULTIPLE USE					6-23-65 ^{2/}			
	c. POWER								
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION								
	f. CONSERVATION								
g. INACTIVE	1/	2405*	0.0062	0.024	0.024	6-23-65 ^{2/}			
WATERSHED	17. LENGTH OF RESERVOIR 0.0038		MILES		AV. WIDTH OF RESERVOIR 0.0030		MILES		
	18. TOTAL DRAINAGE AREA 0.188		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 46.3		INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA 0.188		SQ. MI.		23. MEAN ANNUAL RUNOFF 22.1		INCHES		
	20. LENGTH 0.62		MILES		AV. WIDTH 0.27		MILES		
	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 ^{2/}		.0055	0.028	.00013	
	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.			
	6-23-65-		a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE		
	8-2-66	42.4	147	147	133	147	133		
	8-7-67	46.7	209	209	207	356	340		
	8-6-68	34.5	71	71	71	427	411		
	7-16-69	43.7	210	210	210	637	621		
	7-7-70	45.8	203	203	203	840	824		
	26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, ACRE-Feet			38. TOTAL SED. DEPOSITS TO DATE, ACRE-Feet				
6-23-65	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR			
8-2-66	.00196	.00177	.0094	.0020	.0018	.0094			
8-7-67	.00017	.00017	.0009	.0021	.0019	.010			
8-6-68	.00051	.00051	.0027	.0026	.0025	.013			
7-16-69	.00018	.00019	.0010	.0028	.0026	.014			
7-7-70	.00090	.00092	.00049	.0037	.0036	.014			
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.

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NAME OF RESERVOIR

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73-5

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.			
	6-21-77	1.32	11.99	Detailed 2/			.0055	0.028	.00013			
	4-12-78	.81	12.80									
	4-5-79	.98	13.78									
	4-16-80	1.03	14.81									
	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				
	6-21-77	40.27		36	36	110	2750	2741				
	4-12-78	42.19		209	209	195	2959	2936				
	4-5-79	38.90		184	184	146	3143	3082				
	4-16-80	47.66		165	165	201	3308	3283				
	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				
	6-21-77	.00014	.00011	.0006		.061	.073	.383				
4-12-78	.00097	.00119	.0063		.062	.074	.390					
4-5-79	.00577	.00589	.0313		.067	.075	.421					
4-16-80	.00054	.00053	.0028		.068	.075	.424					
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, RPM						
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANNUAL	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 or volumetric measurements.</p>															
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49. AGENCY SUPPLYING DATA same as above															
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