

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-66

Coyote Creek #1

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

73-2

DATA SHEET NO.

DAM	1. OWNER U.S.D.A. Forest Service			2. STREAM Trib. to S. Umpqua R. STATE Oregon				
	4. SEC. 28 TWP. 29S RANGE 1E			5. NEAREST P.O. Tiller, Ore., 13S				
	7. LAT. 43° 01' " LONG. 122 43' "			8. TOP OF DAM ELEVATION 2,457.5*				
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					6/22/65		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY							
	e. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	f. CONSERVATION					6/22/65		
	g. INACTIVE 1/	2,455*	0.0070	0.019	0.019			
17. LENGTH OF RESERVOIR 0.0038 MILES			AV. WIDTH OF RESERVOIR 0.0030 MILES					
WATERSHED	18. TOTAL DRAINAGE AREA 0.267 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 45.0 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 0.267 SQ. MI.			23. MEAN ANNUAL RUNOFF 19.2 INCHES				
	20. LENGTH 1.0 MILES			AV. WIDTH 0.30 MILES				
	21. MAX. ELEV. 3,500			MIN. ELEV. 2450				
	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.
	6/22/65			Detailed				
	8/3/66	1.12	1.12	2/		0.0070	0.019	0.000070
	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					
			a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE	
	66	42.4	14.67	14.67	13.10	Same	Same	
	67	46.7	19.5	19.50	19.31			
	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	0.00155	0.00138	0.0052				
	67	0.00013	0.00013	0.0005				
	68	0.00044	0.00044	0.0016				
	69	0.00006	0.00006	0.0002				
	70	0.00049	0.00050	0.0019				
	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. 1 water years 1964, 1966, 1967.														
48. AGENCY MAKING SURVEY				Forest Service, Pacific NW Forest & Range Experiment Station										
49. AGENCY SUPPLYING DATA				"	"	"	"	"						
						50. DATE	8/19/71							

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DATA SUMMARY

Coyote Creek #1

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

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NAME OF RESERVOIR

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 1E			5. NEAREST P. O. Tiller, OR, 13SW			6. COUNTY Douglas									
	7. LAT 43° 01' " LONG. 122° 43' "			8. TOP OF DAM ELEVATION 2,457.5*			9. SPILLWAY CREST ELEV. 2,455*									
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										2/ 6-22-65					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION															
	f. CONSERVATION										2/ 6-22-65					
WATERSHED	17. LENGTH OF RESERVOIR		0.0038		MILES		AV. WIDTH OF RESERVOIR		0.0030		MILES					
	18. TOTAL DRAINAGE AREA		0.267		SQ. MI.		22. MEAN ANNUAL PRECIPITATION		46.3		INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA		0.267		SQ. MI.		23. MEAN ANNUAL RUNOFF		22.4		INCHES					
	20. LENGTH		1.0		MILES		AV. WIDTH		0.30		MILES					
	21. MAX. ELEV.		3,500		MIN. ELEV.		2450*		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.	
	6-22-65-						Detailed									
	8-3-66		1.12		1.12		2/				0.0070		0.021		.000067	
	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			
	6-22-65-				42.4		209		209		187		209		187	
	8-3-66				46.7		278		278		275		487		462	
	8-7-67				34.5		86		86		86		573		548	
	8-6-68				43.7		285		285		284		858		832	
	7-16-69				45.8		271		271		270		1129		1102	
	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				
6-22-65-				.0016		.0014		.0052		.0016		.0014		.0052		
8-3-66				.0007		.0001		.0004		.0017		.0015		.0056		
8-7-67				.0004		.0004		.0015		.0021		.0019		.0071		
8-6-68				.0006		.0006		.0024		.0027		.0025		.0095		
7-16-69				.0005		.0005		.0019		.0032		.0030		.011		
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PERSQ. 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
DATA SUMMARY

Coyote Creek #1, continued page 2

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NAME OF RESERVOIR

73-2
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.		
	4-6-71		.75	5.80	Detailed 2/				0.0070		0.021		.000067		
	3-28-72		.97	6.77											
	8-21-73		1.40	8.17											
	8-29-74		1.02	9.19											
	9-9-75		1.03	10.22											
	6-8-76		.75	10.97											
	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				
	4-6-71		48.11		453	453	400		1582		1502				
3-28-72		62.39		596	596	583		2178		2085					
8-21-73		42.96		190	190	379		2368		2464					
8-29-74		56.26		625	625	626		2993		3090					
9-9-75		48.07		423	423	424		3416		3514					
6-8-76		47.72		460	460	442		3876		3956					
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						
4-6-71		.0076	.0101	.0380		.0108	.0131		.049						
3-28-72		.0169	.0174	.0653		.0277	.0305		.115						
8-21-73		.0003	.0002	.0008		.0280	.0307		.116						
8-29-74		.0009	.0009	.0033		.0289	.0316		.119						
9-9-75		.0003	.0003	.0011		.0292	.0319		.120						
6-8-76		.0012	.0016	.0060		.0304	.0335		.126						
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
 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.

48. AGENCY MAKING SURVEY Forest Service, Pacific NW Forest & Range Experiment Station
 49. AGENCY SUPPLYING DATA Forest Service, (same) 50. DATE _____