

RESERVOIR SEDIMENT
DATA SUMMARY

Eggers Creek Sediment Dam

NAME OF RESERVOIR

78 -22

DATA SHEET NO.

DAM	1. OWNER USDA Forest Service		2. STREAM Trib. of Silver Cr.		3. STATE Idaho	
	4. SEC 17 TWP 12N RANGE 6E		5. NEAREST TWP Cascade 17 NW		6. COUNTY Valley	
7. LA 44° 22' LONG 115° 47'		8. TOP OF DAM ELEVATION 4755		9. SILLWAY CREST ELEV. 4754		
RESERVOIR	13. STORAGE ACRES		11. ORIGINAL SURFACE AREA ACRES		14. GROSS STORAGE ACRES FEET	
	17. ELEVATION TOP OF FACE		12. ORIGINAL CAPACITY ACRES FEET		15. DATE STORAGE BEGAN	
	a. FLOOD CONTROL				8/19/65	
	b. MULTIPLE USE					
	c. POWER					
	d. WATER SUPPLY				16. DATE NORMAL OPER BEGAN	
	e. IRRIGATION				8/19/65	
	f. CONSERVATION					
g. INACTIVE		N.A. 1/ 0.011		0.013		
17. LENGTH OF RESERVOIR		0.0060 MILES		AV. WIDTH OF RESERVOIR 0.0029 MILES		
WATERSHED	18. TOTAL DRAINAGE AREA		.50 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 37.2 INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA		.50 SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES	
	20. LENGTH 1.38 MILES		AV. WIDTH .36 MILES		24. MEAN ANNUAL RUNOFF AC. FT.	
	21. MAX. ELEV. 6560		MIN. ELEV. 4750		25. ANNUAL TEMP. MEAN RANGE	
	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACT. YEARS	
29. TYPE OF SURVEY		30. NO. OF RANGES OR CONTOURS		31. SURFACE AREA ACRES		
32. CAPACITY ACRES FEET		33. C.I. RATIO AC. FT. PER AC. FT.				
8/19/65		0		R		
6/10/66		.81		17 M		
6/13/67		1.01		0.011		
7/10/68		1.08		0.013		
11/13/68		.35		0.012		
6/13/69		.58		0.0000		
8/29/69		.21		0.0000		
6/25/70		.82		0.0053		
9/ 9/70		2.1		0.0065		
29. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRES FEET		
				36. WATER INFLO. TO DATE AC. FT.		
				37. MEAN ANNUAL		
				38. MAX. ANNUAL		
				PERIOD TOTAL		
				39. MEAN ANNUAL		
				TOTAL TO DATE		
37. DATE OF SURVEY		37. PERIOD CAPACITY LOSS ACRES FEET		38. TOTAL SED. DEPOSITS TO DATE ACRES FEET		
				39. TOTAL TO DATE		
				40. AV. ANNUAL		
				PERIOD MEAN		
6/10/66				0.0005		
6/13/67				0.0027		
7/10/68				0.0007		
11/13/68				0.0005		
6/13/69				2/0.00000		
8/29/69				0.00000		
6/25/70				0.0053		
9/ 9/70				0.0065		
41. AV. SED. LOSS LBS. PER AC. FT.		42. SED. LOSS TONS PER SQ. MI. YR.		43. STORAGE LOSS PCT.		
				44. SED. INFLOW TONS		
				45. PERIOD		
				TOTAL TO DATE		
				46. PERIOD		
				TOTAL TO DATE		
47. DATE OF SURVEY		48. PERIOD		49. TOTAL TO DATE		

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION											

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR											
	0.0	1.25	2.5	3.75	5.0	6.25	7.5	8.75	10.0	11.25	12.5	13.75
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR											
	0.0	1.25	2.5	3.75	5.0	6.25	7.5	8.75	10.0	11.25	12.5	13.75
	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/ Pond used to collect bedload sediment and organic matter

2/ All values lost due to incorrect survey

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Eggers Creek (Cont)

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

78-22

DATA SHEET NO.

DAM	1. OWNER <u>USDA Forest Service</u>				2. STREAM <u>Trib. of Silver Cr.</u>		3. STATE <u>Idaho</u>					
	4. SEC. <u>17</u> TWP. <u>12N</u> RANGE <u>6E</u>		5. NEAREST P.O. <u>Cascade 17 NW</u>			6. COUNTY <u>Valley</u>						
	7. LAT. <u>44° 22'</u> " LONG. <u>115° 47'</u> "		8. TOP OF DAM ELEVATION <u>4755</u>		9. SPILLWAY CREST ELEV. <u>4754</u>							
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										8/19/65	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										8/19/65	
	f. CONSERVATION											
g. INACTIVE		<u>N.A. 1/</u>		<u>0.011</u>				<u>0.013</u>				
WATERSHED	17. LENGTH OF RESERVOIR <u>0.0060</u> MILES				AV. WIDTH OF RESERVOIR <u>0.0029</u> MILES							
	18. TOTAL DRAINAGE AREA <u>.50</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>37.2</u> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <u>.50</u> SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH <u>1.38</u> MILES		AV. WIDTH <u>.36</u> MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. <u>6560</u>		MIN. ELEV. <u>4750</u>		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.			
	6/14/71		0.76	5.83	R	17M	0.011	0.013				
	10/6/71		0.31	6.14								
	6/6/72		0.67	6.81								
	9/13/72		0.27	7.08								
	5/24/73		0.65	7.73								
	10/4/73		0.36	8.09								
	5/23/74		0.63	8.72								
	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					
6/14/71		0.0110	0.0144	0.0286								
10/6/71		0.0001	0.0003	0.0006								
6/6/72		0.0101	0.0150	0.0299								
9/13/72		0.0014	0.0052	0.0104								
5/24/73		0.0026	0.0041	0.0081								
10/4/73		0.0009	0.0025	0.0049								
5/23/74		0.0087	0.0138	0.0275								
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					
6/14/71		59.5										
6/6/72		68.9										
5/24/73		23.7										
5/23/74		45.1										

25. 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/ Pond used to collect bedload sediment and organic matter</p> <p>2/ Pond is emptied after every survey</p>															
48. AGENCY MAKING SURVEY				49. AGENCY SUPPLYING DATA											
						50. DATE _____									

RESERVOIR SEDIMENT
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SCS-34 Rev. 6-66

Eggers Creek (Cont)

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
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DATA SHEET NO.

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	4. SEC. <u>17</u> TWP. <u>12N</u> RANGE <u>6E</u>		5. NEAREST P.O. <u>Cascade 17 NW</u>		6. COUNTY <u>Valley</u>		
	7. LAT. <u>44° 22'</u> " LONG. <u>115° 47'</u> "		8. TOP OF DAM ELEVATION <u>4755</u>		9. SPILLWAY CREST ELEV. <u>4754</u>		
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				15. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION						
f. CONSERVATION							
g. INACTIVE		<u>N.A. 1/</u>		<u>0.011</u>			
				<u>0.013</u>			
17. LENGTH OF RESERVOIR		<u>0.0060</u> MILES		AV. WIDTH OF RESERVOIR		<u>0.0029</u> MILES	
18. TOTAL DRAINAGE AREA		<u>.50</u> SQ. MI.		22. MEAN ANNUAL PRECIPITATION		<u>37.2</u> INCHES	
19. NET SEDIMENT CONTRIBUTING AREA		<u>.50</u> SQ. MI.		23. MEAN ANNUAL RUNOFF		INCHES	
20. LENGTH		<u>1.38</u> MILES		AV. WIDTH		<u>.36</u> MILES	
21. MAX. ELEV.		<u>6560</u>		MIN. ELEV.		<u>4750</u>	
25. ANNUAL TEMP: MEAN				RANGE			
WATERSHED	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.				
	10/2/74		0.36		9.08		
	6/9/75		0.68		9.76		
	10/10/75		0.34		10.10		
	6/3/76		0.65		10.75		
	10/21/76		0.38		11.13		
	5/31/77		0.61		11.74		
	9/28/77		0.33		12.07		
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. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI. YEAR	
10/2/74		0.0017		0.0047		0.0094	
6/9/75		0.0087		0.0128		0.0254	
10/10/75		0.0006		0.0016		0.0033	
6/3/76		0.0070		0.0108		0.0215	
10/21/76		0.0007		0.0018		0.0035	
5/31/77		0.0010		0.0016		0.0032	
9/28/77		0.0010		0.0031		0.0061	
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP. TONS PER SQ. MI.-YR.		41. STORAGE LOSS, PCT.	
		a. PERIOD		b. TOTAL TO DATE		a. AV ANN. b. TOT. TO DATE	
		a. PERIOD		b. TOT. TO DATE		a. PERIOD b. TOT. TO DATE	
6/9/75		52.0					
6/3/76		47.4					

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														
<p>1/ Pond used to collect bedload sediment and organic matter</p> <p>2/ Pond is emptied after every survey</p>														
48. AGENCY MAKING SURVEY														
49. AGENCY SUPPLYING DATA														
50. DATE _____														

RESERVOIR SEDIMENT

DATA SUMMARY

SCS-34 Rev. 6-66

Eggers Creek (Cont)

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

78-22

DATA SHEET NO.

DAM	1. OWNER USDA Forest Service		2. STREAM Trib. of Silver Cr.		3. STATE Idaho			
	4. SEC. 17 TWP. 12N RANGE 6E		5. NEAREST P.O. Cascade 17 NW		6. COUNTY Valley			
	7. LAT. 44° 22' " LONG. 115° 47' "		8. TOP OF DAM ELEVATION 4755		9. SPILLWAY CREST ELEV. 4754			
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				8/19/65			
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY				16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION				8/19/65			
f. CONSERVATION								
g. INACTIVE		N.A. 1/		0.011				
				0.013				
17. LENGTH OF RESERVOIR		0.0060		MILES				
AV. WIDTH OF RESERVOIR		0.0029		MILES				
WATERSHED	18. TOTAL DRAINAGE AREA		50		SQ. MI.			
	19. NET SEDIMENT CONTRIBUTING AREA		50		SQ. MI.			
	20. LENGTH		1.38		MILES			
	AV. WIDTH		.36		MILES			
	21. MAX. ELEV.		6560		MIN. ELEV. 4750			
22. MEAN ANNUAL PRECIPITATION		37.2		INCHES				
23. MEAN ANNUAL RUNOFF				INCHES				
24. MEAN ANNUAL RUNOFF				AC.-FT.				
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.
	5/31/78	0.67	12.74	R	17M	0.011	0.013	
	6/13/79	1.03	13.77					
	10/17/79	0.33	14.10					
	6/13/80	0.66	14.76					
	10/9/80	0.32	15.08					
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INF. OW, 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	
5/31/78	0.0039	0.0058	0.0115	2/				
6/13/79	0.0012	0.0011	0.0023					
10/17/79	0.0009	0.0028	0.0055					
6/13/80	0.0064	0.0097	0.0192					
10/9/80	0.0004	0.0014	0.0028					
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	
5/31/78	34.7							

25. 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/ Pond used to collect bedload sediment and organic matter

2/ Pond is emptied after every survey

48. AGENCY MAKING SURVEY _____

49. AGENCY SUPPLYING DATA _____

50. DATE _____