

RESERVOIR SEDIMENT
DATA SUMMARY

Tailholt A Creek Sediment Dam
NAME OF RESERVOIR

79 -4

DATA SHEET NO.

DAM	1 OWNER USDA Forest Service			2 STREAM Trib. of S.Fk.Salmon		STATE Idaho										
	4 SEC 23 TWP 20N RANGE 6E			5 NEAREST P.O. Yellow Pine 11E		COUNTY Valley										
7 LAT 45° 03' " LONG 115° 41' "			8 TOP OF DAM ELEVATION 4144		9 SPILLWAY CREST ELEV. 4143											
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF FLOOD		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-FEET		14. GROSS STORAGE, ACRE-FEET		15. DATE STORAGE BEGAN					
	a FLOOD CONTROL										8/22/67					
	b MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION										8/22/67					
	f. CONSERVATION															
	g. INACTIVE		N.A. 1/		0.0101				0.0164							
WATERSHED	17. LENGTH OF RESERVOIR 0.0061 MILES				AV. WIDTH OF RESERVOIR 0.0026 MILES											
	18. TOTAL DRAINAGE AREA .845 SQ. MI.				21. MEAN ANNUAL PRECIPITATION 30.0 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA .84 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH 2.18 MILES		AV. WIDTH .39 MILES		24. MEAN ANNUAL RUNOFF AC-F.T.											
	21. MAX. ELEV. 7760		MIN. ELEV. 4140		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.	
	5/18/68		.74		.74		R		17M		0.0101		0.0164			
	10/ 8/68		.34		1.08											
	5/28/69		.63		1.71											
	9/29/69		.34		2.05											
	6/18/70		.72		2.77											
	9/ 9/70		.23		3.00											
	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE FEET		36. WATER INFLO. TO DATE, AC. FT.		37. PERIOD CAPACITY LOSS, ACRE FEET		38. TOTAL SED. DEPOSITS TO DATE, ACRE FEET		39. SED. INFLOW, TONS PER SQ. MI. YR.		40. STORAGE LOSS, PCT.		41. SED. INFLOW, TON	
	a PERIOD TOTAL		b AV. ANNUAL		c PERIOD TOTAL		a PERIOD TOTAL		b AV. ANNUAL		c PER SQ. MI. YEAR		a PERIOD TOTAL		b TOTAL TO DATE	
42. DATE OF SURVEY		43. AV. ELEV. AC. FT.		44. TONNAGE PER SQ. MI. YR.		45. STORAGE LOSS, PCT.		46. SED. INFLOW, TON		47. PERIOD TOTAL		48. PERIOD TOTAL		49. TOTAL TO DATE		
5/18/68										0.0007		0.0009		0.0011		
10/ 8/68										0.00007		0.0002		0.0002		
5/28/69										0.0105		0.0167		0.0199		
9/29/69										0.0005		0.0015		0.0017		
6/18/70										0.0103		0.0143		0.0170		
9/ 9/70										0.00000		0.0000		0.0000		

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, ELEVATION RANGE, AND ORIGINAL LENGTH OF RESERVOIR											
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION											
45. RANGE IN RESERVOIR DELEVATION												
WATER YEAR	MAX. ELEV.	MIN. ELEV.	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><u>1/</u> Pond used to collect bedload sediment and organic matter</p>												
48. AGENCY MAKING SURVEY Intermountain Forest & Range Exp. Sta.												
49. AGENCY SUPPLYING DATA Intermountain Forest & Range Exp. Sta. DATE 10/12/71												

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Tailholt A Creek (Cont)

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

79-4

DATA SHEET NO.

DAM	1. OWNER USDA Forest Service		2. STREAM Trib. of S.Fk.Salmon		3. STATE Idaho	
	4. SEC. 23 TWP. 20N RANGE 6E		5. NEAREST P.O. Yellow Pine 11E		6. COUNTY Valley	
	7. LAT. 45° 03' " LONG. 115° 41' "		8. TOP OF DAM ELEVATION 4144		9. SPILLWAY CREST ELEV. 4143	
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES	
	a. FLOOD CONTROL					
	b. MULTIPLE USE					
	c. POWER					
	d. WATER SUPPLY					
	e. IRRIGATION					
	f. CONSERVATION					
RESERVOIR	g. INACTIVE		N.A.		1/	
			0.0101		0.0164	
WATERSHED	17. LENGTH OF RESERVOIR 0.0061 MILES				14. GROSS STORAGE, ACRE-FEET	
	18. TOTAL DRAINAGE AREA .845 SQ. MI.				15. DATE STORAGE BEGAN 8/22/67	
	19. NET SEDIMENT CONTRIBUTING AREA .84 SQ. MI.				16. DATE NORMAL OPER. BEGAN 8/22/67	
	20. LENGTH 2.18 MILES				17. MEAN ANNUAL PRECIPITATION 30.0 INCHES	
	21. MAX. ELEV. 7760 MIN. ELEV. 4140				23. MEAN ANNUAL RUNOFF INCHES	
SURVEY DATA	25. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS	
	5/19/71		0.69		3.69	
	9/28/71		0.35		4.04	
	5/26/72		0.66		4.70	
	10/4/72		0.36		5.06	
	5/30/73		0.65		5.71	
	10/16/73		0.38		6.09	
	6/5/74		0.64		6.73	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE- FEET	
					a. MEAN ANNUAL b. MAX. ANNUAL c. PERIOD TOTAL	
				36. WATER INFL. TO DATE, AC.-FT.		
				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	
5/19/71		0.0156			0.0226	
9/28/71		0.0076			0.0217	
5/26/72		0.0108			0.0164	
10/4/72		0.0050			0.0138	
5/30/73		0.0011			0.0017	
10/16/73		0.0003			0.0009	
6/5/74		0.0151			0.0236	
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PER SQ. MI.-YR.		
		a. PERIOD		b. TOTAL TO DATE		
				41. STORAGE LOSS, PCT.		
				a. AV. ANN. b. TOT. TO DATE		
				42. SED. INFLOW, PPM		
				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 style="margin-left: 40px;">1/ Pond used to collect bedload sediment and organic matter</p> <p style="margin-left: 40px;">2/ Pond is emptied after every survey</p>															
48. AGENCY MAKING SURVEY															
49. AGENCY SUPPLYING DATA															
												50. DATE _____			

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
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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>															
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	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY							
	e. IRRIGATION					15. DATE NORMAL OPER. BEGAN		
	f. CONSERVATION							
g. INACTIVE	N.A. 1/	0.0101	0.0164	0.0164	8/22/67			
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	10/4/77	0.31	10.14	R	17M	0.0101	0.0164	
	6/8/78	0.68	10.82					
	5/31/79	0.98	11.80					
	10/31/79	0.40	12.20					
	7/2/80	0.67	12.87					
	9/30/80	0.25	13.12					
	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		
10/4/77	0.0006	0.0018	0.0022	2/				
6/8/78	0.0043	0.0064	0.0075					
5/31/79	0.0013	0.0013	0.0015					
10/31/79	0.0005	0.0013	0.0016					
7/2/80	0.0041	0.0062	0.0073					
9/30/80	0.0004	0.0014	0.0017					
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	

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