

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 (FEET) ORIGINAL LENGTH OF RESERVOIR											
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION											

45. CHANGE IN RESERVOIR ELEVATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	PERCENT AREA ABOVE	PERCENT AREA BELOW	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

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

K-1 Creek (Cont)

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

78-16

DATA SHEET NO.

DAM	1. OWNER USDA Forest Service		2. STREAM Trib. of Silver Cr.		3. STATE Idaho				
	4. SEC. TWP. RANGE		5. NEAREST P.O. Cascade 17 NW		6. COUNTY Valley				
	7. LAT. 44° 21' " LONG. 115° 47' "		8. TOP OF DAM ELEVATION		9. SPILLWAY CREST ELEV. 4643				
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					8/27/65			
	b. MULTIPLE USE								
	c. POWER								
	d. WATER SUPPLY								
	e. IRRIGATION					16. DATE NORMAL OPER. BEGAN			
	f. CONSERVATION					8/27/65			
	g. INACTIVE	N.A. 1/	0.0082		0.0081				
17. LENGTH OF RESERVOIR	0.0049	MILES	AV. WIDTH OF RESERVOIR	0.0026	MILES				
18. TOTAL DRAINAGE AREA	.098	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		INCHES				
19. NET SEDIMENT CONTRIBUTING AREA	.098	SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES				
20. LENGTH	0.75	MILES	AV. WIDTH	0.13	MILES	24. MEAN ANNUAL RUNOFF	AC.-F T.		
21. MAX. ELEV.	5960	MIN. ELEV.	4625	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.	
	6/16/71	0.77	5.86	R	14M	0.0082	0.0080		
	10/5/71	0.30	6.16						
	6/6/72	0.67	6.83						
	9/26/72	0.31	7.14						
	5/23/73	0.65	7.79						
	10/4/73	0.37	8.16						
	5/29/74	0.65	8.81						
	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		
	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		
	6/16/71	0.0064	0.0083	0.0843	2/				
	10/5/71	0.0000	0.0000	0.0000					
6/6/72	0.0019	0.0028	0.0289						
9/26/72	0.0000	0.0000	0.0000						
5/23/73	0.0008	0.0012	0.0123						
10/4/73	0.0004	0.0012	0.0121						
5/29/74	0.0053	0.0081	0.0826						
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		
6/16/71	49.2								
6/6/72	45.1								
5/23/73	34.4								
5/29/74	37.5								

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/ 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

K-1 Creek (Cont)

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

78-16

DATA SHEET NO.

DAM	1. OWNER USDA Forest Service		2. STREAM Trib. of Silver Cr.		3. STATE Idaho	
	4. SEC. TWP. RANGE		5. NEAREST P.O. Cascade 17 NW		6. COUNTY Valley	
	7. LAT. 44° 21' " LONG. 115° 47' "		8. TOP OF DAM ELEVATION 4644		9. SPILLWAY CREST ELEV. 4643	
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					
g. INACTIVE		N.A. 1/		0.0082		
				0.0081		
15. DATE STORAGE BEGAN		8/27/65				
16. DATE NORMAL OPER. BEGAN		8/27/65				
WATERSHED	17. LENGTH OF RESERVOIR 0.0049		MILES		AV. WIDTH OF RESERVOIR 0.0026	
	18. TOTAL DRAINAGE AREA .098		SQ. MI.		22. MEAN ANNUAL PRECIPITATION	
	19. NET SEDIMENT CONTRIBUTING AREA .098		SQ. MI.		23. MEAN ANNUAL RUNOFF	
	20. LENGTH 0.75		MILES		24. MEAN ANNUAL RUNOFF	
	21. MAX. ELEV. 5960		MIN. ELEV. 4625		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.			
	10/2/74		0.35		9.16	
	6/11/75		0.69		9.85	
	10/10/75		0.33		10.18	
	6/10/76		0.67		10.85	
	10/21/76		0.36		11.21	
	5/31/77		0.61		11.82	
	9/28/77		0.33		12.15	
	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		
10/2/74		0.0002		0.0006		
6/11/75		0.0028		0.0040		
10/10/75		0.0001		0.0004		
6/10/76		0.0030		0.0045		
10/21/76		0.0001		0.0001		
5/31/77		0.0002		0.0004		
9/28/77		0.0002		0.0005		
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.		42. SED. INFLOW, PPM		
		a. AV. ANN.		b. TOT. TO DATE		
		a. PERIOD		b. TOT. TO DATE		
6/11/75		58.4				
6/10/76		67.1				

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><u>1/</u> Pond used to collect bedload sediment and organic matter</p> <p><u>2/</u> Pond is emptied after every survey</p>															
48. AGENCY MAKING SURVEY															
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RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

K-1 Creek (Cont)

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	a. FLOOD CONTROL					8/27/65		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY							
	e. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	f. CONSERVATION					8/27/65		
g. INACTIVE	N.A 1/	0.0082		0.0081				
WATERSHED	17. LENGTH OF RESERVOIR 0.0049 MILES		AV. WIDTH OF RESERVOIR 0.0026 MILES					
	18. TOTAL DRAINAGE AREA .098 SQ. MI.		22. MEAN ANNUAL PRECIPITATION INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA .098 SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH 0.75 MILES		AV. WIDTH 0.13 MILES		24. MEAN ANNUAL RUNOFF AC.-F.T.			
	21. MAX. ELEV. 5960		MIN. ELEV. 4625		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.
	5/16/79	1.46	13.61	R	14M	0.0082	0.0080	
	11/17/79	0.07	0.07					
	6/13/80	0.57	0.64					
	25. 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	
	5/16/79	0.0101	0.0069	0.0709	2/			
11/17/79	0.0001	0.0008	0.0077					
6/13/80	0.0029	0.0051	0.0525					
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	

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
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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															
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