

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Little River Res #2

SCS-34 Rev. 6-66

NAME OF RESERVOIR

1-1

DATA SHEET NO.

DAM	1. OWNER Belfast Water Dist.			2. STREAM Little River			3. STATE Maine					
	4. SEC. -- TWP. -- RANGE --			5. NEAREST P. O. Belfast			6. COUNTY Waldo					
	7. LAT. 44° " LONG. 69°01' "			8. TOP OF DAM ELEVATION 59.9'			9. SPILLWAY CREST ELEV. 59.5'					
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										1913 <u>1</u> /	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY		59.6'		46.8		456		456		16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION										1913 <u>1</u> /	
WATERSHED	17. LENGTH OF RESERVOIR 1.08 MILES			AV. WIDTH OF RESERVOIR .068 MILES								
	18. TOTAL DRAINAGE AREA 13.9 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 44.0 INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 13.8 SQ. MI.			23. MEAN ANNUAL RUNOFF 22.0 2/ INCHES								
	20. LENGTH 5.79 MILES		AV. WIDTH 2.40 MILES		24. MEAN ANNUAL RUNOFF 16309 AC.-FT.							
	21. MAX. ELEV. 745'		MIN. ELEV. 3.57'		25. ANNUAL TEMP: MEAN 45.5 RANGE 35.1 - 55.9							
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.			
	1913 <u>1</u> / Oct. 8, 1969		0	0	Contour (R)	2	46.8	456	.029			
			56	56	Range (D)	13	46.8	341	.021			
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET			36. WATER INFL. TO DATE, AC.-FT.				
			44.0		16309			913304				
	Oct. 8, 1969				--			913304				
	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	
	Oct. 8, 1969		115			2.05	0.15	115		2.05	0.15	
	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			
Oct. 8, 1969		100 *		326		0.45	25	2020	201			

* Assumed

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION												
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												
	<u>3/</u>												

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														
	<u>3/</u>														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.
<u>3/</u>							

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
<u>3/</u>								

47. REMARKS AND REFERENCES

1/ Month and day are not available
2/ U.S.G.S. Circ. HA 212
3/ Not available

Report on Oct. 8, 1969 survey contained in Watershed Planning Geology Notes - Orono, Maine.
 At least 1 dam failure has occurred but history is not available.

48. AGENCY MAKING SURVEY USDA - Soil Conservation Service, Orono, Maine
 49. AGENCY SUPPLYING DATA USDA - SCS
 50. DATE Sept. 20, 1971