

RESERVOIR SEDIMENTATION
DATA SUMMARY

Gorleys Lake

NAME OF RESERVOIR

21-16

DATA SHEET NO.

6-13

DAM	1. OWNER			2. RIVER <u>Unnamed trib. Youghiogheny R. Basin</u>			3. STATE <u>Pennsylvania</u>														
	4. SEC.		TWP.		RANGE		5. NEAREST TOWN <u>Uniontown</u>														
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.														
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. SURFACE AREA ACRES		13. STORAGE ACRE- FEET		14. ACCUMULATED ACRE- FEET		15. DATE STORAGE BEGAN										
	a. FLOOD CONTROL										1908										
	b. POWER																				
	c. WATER SUPPLY				20		150		150												
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN										
	e. CONSERVATION																				
	f. INACTIVE																				
WATERSHED	17. LENGTH OF RESERVOIR						MILES			AV. WIDTH OF RESERVOIR			MILES								
	18. TOTAL DRAINAGE AREA						3.00			SQ. MI.			22. MEAN ANNUAL PRECIPITATION			INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA						2.97			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. CLIMATIC CLASSIFICATION						Humid					
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/W RATIO AC.-FT. PER SQ. MI.						
	1908		-		-		-		-		20		150		50						
	June 1939		30		30		Recon.				20		138		46						
	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 SEDIMENT DEPOSITS 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								
	June 1939		12		0.400		0.135		12		0.400		0.135								
	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. ANNUAL		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE							
June 1939		60 *		176		176		0.27		8.00											

* Estimated

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

Sedimentation Section
Soil Conservation Service
U. S. Department of Agriculture

48. AGENCY SUPPLYING DATA Washington, D. C.

49. DATE July 17, 1951