

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Quemahoning  
NAME OF RESERVOIR

21-5  
DATA SHEET NO.

B-15

DAM	1. OWNER <b>Bethlehem Steel Corp.</b>			2. RIVER <b>Quemahoning Creek</b>			3. STATE <b>Pennsylvania</b>									
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN <b>Johnstown</b>			6. COUNTY <b>Somerset</b>									
	7. STREAM BED ELEV. <b>1540</b>			8. TOP OF DAM ELEV. <b>1633</b>			9. SPILLWAY CREST ELEV. <b>1620</b>									
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										Jan. 1912					
	b. POWER															
	c. WATER SUPPLY		<b>1620</b>		<b>837</b>		<b>35,295</b>		<b>35,295</b>		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE										Jan. 1912					
WATERSHED	17. LENGTH OF RESERVOIR <b>3</b>				MILES				AV. WIDTH OF RESERVOIR				MILES			
	18. TOTAL DRAINAGE AREA <b>92</b>				SQ. MI.				22. MEAN ANNUAL PRECIPITATION				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA <b>90.7</b>				SQ. MI.				23. MEAN ANNUAL RUNOFF				INCHES			
	20. LENGTH				MILES				AV. WIDTH				MILES			
	21. MAX. ELEV.				MIN. ELEV.				25. CLIMATIC CLASSIFICATION <b>Humid</b>							
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 <sub>w</sub> RATIO AC- FT. PER SQ. MI.	
	Jan. 1912		-		-		-		-		837		35,295		384	
	Sept. 29, 1937		25.8		25.8		Recon.		26 meas.		837		34,413		374	
	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		d. MEAN ANNUAL		e. 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		d. TOTAL TO DATE		e. AV. ANNUAL		f. PER SQ. MI.-YEAR			
	Sept. 29, 1937		882		34.2		.377		882		34.2		.377			
	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		
Sept. 29, 1937								.10		2.5						

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

Region 1, Soil Conservation Service  
U. S. Department of Agriculture

48. AGENCY SUPPLYING DATA Upper Darby, Pennsylvania      49. DATE July 18, 1950