

U.S. DEPARTMENT OF AGRICULTURE
**RESERVOIR SEDIMENTATION
DATA SUMMARY**

Kropp Reservoir
NAME OF RESERVOIR

SOIL CONSERVATION SERVICE
41-2a
DATA SHEET NO.

DAM	1. OWNER Bob Kropp				2. RIVER Trib. - Pondera Creek		3. STATE Montana	
	4. SEC. 23 TWP. 27N RANGE 3W			5. NEAREST TOWN Conrad		6. COUNTY Pondera		
	7. STREAM BED ELEV. 91.9			8. TOP OF DAM ELEV. 102.4		9. SPILLWAY CREST ELEV. 100		
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					1900		
	b. POWER							
	c. WATER SUPPLY	100% assumed	1.4	4.70	4.70	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE					1900		
17. LENGTH OF RESERVOIR 0.108 MILES				AV. WIDTH OF RESERVOIR 0.024 MILES				
WATERSHED	18. TOTAL DRAINAGE AREA 0.625 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 12.30 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 0.625 SQ. MI.			23. MEAN ANNUAL RUNOFF --- INCHES				
	20. LENGTH 1.89 MILES		AV. WIDTH 0.681 MILES		24. MEAN ANNUAL RUNOFF --- AC.-FT.			
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Semi-arid			
	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.
1900	0	0	---	---	1.4	4.70	7.52	
Oct. 1955	55	55	Range	4	1.4	3.84	6.15	
SURVEY DATA	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AC.-FT.	
		12.30		----- No Gage Data -----				
	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	
Oct. 1955	0.86	0.01562	0.025	0.86	0.01562	0.025		
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		
Oct. 1955	60 Estimated	33	33	0.00332	0.183	---	---	

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

48. AGENCY SUPPLYING DATA Soil Conservation Service 49. DATE February 1, 1962