

RESERVOIR SEDIMENTATION
DATA SUMMARY

Dominey Reservoir
NAME OF RESERVOIR

31 - 18
DATA SHEET NO.

DAM	1. OWNER Spence Dominey			2. RIVER Longs Creek			3. STATE Nebraska				
	4. SEC. 5 TWP. 5N RANGE 13E			5. NEAREST TOWN Johnson			6. COUNTY Nemaha				
	7. STREAM BED ELEV. 85.0			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 100.0*				
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					1952					
	b. POWER										
	c. WATER SUPPLY	100.0	2.67	13.4	13.4	16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION										
	f. INACTIVE					1952					
17. LENGTH OF RESERVOIR 0.218 MILES			AV. WIDTH OF RESERVOIR 0.036 MILES								
WATERSHED	18. TOTAL DRAINAGE AREA (450 Ac) .703 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 34.10 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA .699 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						
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.			
	1952	0	0	-	-	3.67	13.4	19.1			
	1956	4	4	Range Detailed	5	2.67	10.7	15.2			
	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				
	1956	2.71	.678	.964	2.71	.678	.964				
	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				
1956	65 1/2	1365	1365	5.05	20.2						

* Assumed elevation
1/2 Assumed av. dry weight

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
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 1956