

Jan. 1958

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

RESERVOIR SEDIMENTATION
DATA SUMMARY

Onion Creek #2

72-17

NAME OF RESERVOIR

DATA SHEET NO.

Amer. Riv.

DAM	1. OWNER USDA, Forest Service			2. RIVER Onion Cr., trib. to			3. STATE Calif.			
	4. SEC. 2 TWP. 16N RANGE 14E			5. NEAREST TOWN Soda Springs			6. COUNTY Placer			
	7. STREAM BED ELEV. 6,150			8. TOP OF DAM ELEV. 6,156			9. SPILLWAY CREST ELEV. 6,156			
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					1957				
	b. POWER									
	c. WATER SUPPLY									
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION					1957				
	f. INACTIVE *	6,156	0.0367							
17. LENGTH OF RESERVOIR 80 ft. MILES AV. WIDTH OF RESERVOIR 20 ft. MILES										
WATERSHED	18. TOTAL DRAINAGE AREA 0.48 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 56 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 0.48 SQ. MI.			23. MEAN ANNUAL RUNOFF 37.8 INCHES						
	20. LENGTH 1.1 MILES AV. WIDTH 0.436 MILES			24. MEAN ANNUAL RUNOFF 3.15 AC.-FT.						
	21. MAX. ELEV. 7,600		MIN. ELEV. 6,150		25. CLIMATIC CLASSIFICATION Humid					
	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.		
1957	0.0	0.0	Detailed	-	0.0367	0.132	0.275			
1958	1.0	1.0	"	-	"	0.083	0.173			
1959	1.0	2.0	"	-	"	0.081	0.169			
1960	1.0	3.0	"	-	"	0.069	0.144			
SURVEY DATA	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			
	1958	60.40	3,070	3,070	3,070	3,070	3,070			
	1959	49.07	1,021	1,021	1,021	2,045	4,091			
	1960	52.29	1,352	1,352	1,352	1,814	5,443			
	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			
	1958	0.0589	0.0589	0.1226	0.0589	0.0589	0.1226			
	1959	0.0002	0.0002	0.0004	0.0591	0.0296	0.0618			
	1960	0.0099	0.0099	0.0206	0.0690	0.0230	0.0480			
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			

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
 *Item 10f: Water yield research facility; continuous flow over weir

48. AGENCY SUPPLYING DATA USFS, PSW For.& Range Expt. Sta. 49. DATE 9/15/61