

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

Onion Creek #3
NAME OF RESERVOIR

JIL CONSERVATION SERVICE
72-18
DATA SHEET NO.

DAM	1. OWNER USDA, Forest Service			2. RIVER Onion Cr., trib. Amer.		3. STATE Calif.										
	4. SEC. 1 TWP. 16N		RANGE 14E		5. NEAREST TOWN Soda Springs		6. COUNTY Placer									
	7. STREAM BED ELEV. 6,300			8. TOP OF DAM ELEV. 6,305		9. SPILLWAY CREST ELEV. 6,305										
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										1958					
	b. POWER															
	c. WATER SUPPLY															
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN					
	e. CONSERVATION															
	f. INACTIVE *		6,305		0.0118						1958					
WATERSHED	17. LENGTH OF RESERVOIR 92 ft.				MILES				AV. WIDTH OF RESERVOIR 56 ft.							
	18. TOTAL DRAINAGE AREA 0.65				SQ. MI.				22. MEAN ANNUAL PRECIPITATION 56							
	19. NET SEDIMENT CONTRIBUTING AREA 0.65				SQ. MI.				23. MEAN ANNUAL RUNOFF 36.7							
	20. LENGTH 0.8				MILES				AV. WIDTH 0.81							
	MILES				24. MEAN ANNUAL RUNOFF 3.06				AC.-FT.							
21. MAX. ELEV. 7,896				MIN. ELEV. 6,300				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.	
	1958		0.0		0.0		Detailed		-		0.118		0.191		0.294	
	1959		1.0		1.0		"		-		"		0.205		0.315	
	1960		1.0		2.0		"		-		"		0.186		0.286	
	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			
	1959		49.07		918		918		918		918		918			
	1960		52.29		1,228		1,228		1,228		1,073		2,146			
	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			
1959		-0.0212**		0.0000		0.0000		0.0000		0.0000		0.0000				
1960		0.0177		0.0177		0.0273		0.0177		0.0089		0.0136				
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		c. AV. ANNUAL		d. TOT. TO DATE		e. PERIOD		f. TOT. TO DATE		

25. 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 ** 37 a: Net Loss, treated as 0.0000 gain.															
48. AGENCY SUPPLYING DATA USFS, PSW For. & Range Expt. Sta. 49. DATE 9/15/61															