

RESERVOIR SEDIMENT
DATA SUMMARY

BLACK BUTTE

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

NAME OF RESERVOIR

72-32

DATA SHEET NO.

DAM	1. OWNER Corps of Engineers		2. STREAM Stony Creek		3. STATE California							
	4. SEC. 29 TWP. 23N RANGE 4W		5. NEAREST P.O. Orland, CA		6. COUNTY Tehama-Glenn							
	7. LAT 39° 48' 50" LONG 122° 20' 10"		8. TOP OF DAM ELEVATION 515' MSI		9. SPILLWAY CREST ELEV 473.5' MSI							
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-Feet		14. GROSS STORAGE, ACRE-Feet		15. DATE STORAGE BEGAN	
	a. FLOOD CONTROL		473.5		4560		160,009		160,009		31 Jan 63	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										29 Oct 63	
	f. CONSERVATION		473.5		4560		160,009		160,009			
	g. INACTIVE		414.6		770		10,000		10,000			
WATERSHED	17. LENGTH OF RESERVOIR 12.2 1/2 MILES				AV. WIDTH OF RESERVOIR 0.58 MILES							
	18. TOTAL DRAINAGE AREA 741 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 18-60 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 433 SQ. MI.				23. MEAN ANNUAL RUNOFF 11 INCHES							
	20. LENGTH 47 MILES		AV. WIDTH 16 MILES		24. MEAN ANNUAL RUNOFF 418,000 AC.-FT.							
	21. MAX. ELEV. 7,000		MIN. ELEV. 375		25. ANNUAL TEMP MEAN* 50-55 RANGE 0-115°*							
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/I. RATIO, AC.-FT. PER AC.-FT.			
	3 July 63		0	0	(D)	24	4,560	160,009	3/			
	31 May 66		3 2/	3 2/	(R)	7	4,560	157,279	3/			
	30 Apr 73		7 2/	11 2/	(D)	24	4,560	147,754	3/			
	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			
	3 July 63		-		-	-	0	-	0			
	31 May 66		9-60		383,300 4/	701,000 4/	1,150,000 4/	383,300 4/	1,150,000 4/			
	30 Apr 73		18-60		533,520	781,470	3,734,650	488,700	4,886,940			
	26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, 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					
3 July 63		0	-	-	0	-	-					
31 May 66		2730	910	2.10	2,730	910	2.10					
30 Apr 73		9525	1361	3.14	12,255	1,114	2.57					
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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE					
3 July 63		-	-	0	-	-	0					
31 May 66		62*	2,836	2,836	0.57%	1.71%	2359	2359				
30 Apr 73		62*	4,244	3,470	0.69%	7.65%	2534	2492				

