SCS-34 Rev. 5-66

Rock Creek Site #5

NAME OF RESERVOIR

5 -20 DATA SHEET NO.

OWNER Md 2. STREAM Rock Creek STATE Marvland Park Natl Capital NEAREST P.O. Rockville COUNTMONtgomery 4. TWP RANGE · 24 TOP OF DAM ELEVATION 363.6 LAT39 " LONG. 77"08 8. SPILLWAY CREST ELEV. 7. °06 351.0 14. GROSS STORAGE, 15. DATE 12 ORIGINAL STORAGE 11. ELEVATION 13 ORIGINAL ALLOCATION TOP OF POOL SURFACE AREA, ACRES CAPACITY, ACRE-FEET ACRE-FEET STORAGE BEGAN 4276.38 185.55 3690.00 351.0 a. FLOOD CONTROL 8/66 70.27 586.38 586.38 b. MULTIPLE USE 323.5 RESERVO c. POWER 16. DATE NORd. WATER SUPPLY MAL OPER, BEGAN e. IRRIGATION f. CONSERVATION 10/66 g. INACTIVE MILES 17. LENGTH OF RESERVOIR MILES AV. WIDTH OF RESERVOIR 0.4 • 73 INCHES <u>37.</u>66 12.77 MEAN ANNUAL PRECIPITATION TOTAL DRAINAGE AREA SQ. MI. NET SEDIMENT CONTRIBUTING AREA 12.48 SQ. MI. 23. MEAN ANNUAL RUNOFF 19,10 INCHES 19. AÇ.∙F T MILES AV. WIDTH 6.723 MEAN ANNUAL RUNOFF 13,007.56 1.90 MILES 20. LENGTH ANNUAL TEMP: MEAN 54.2" RANGE-10 to +95 F 610 298 21. MAX. ELEV. MIN, ELEV. SURFACE 32. CAPACITY. 33. C/I, RATIO, TYPE OF 30, NO, OF RANGES 31. 26. DATE OF PERIOD ACCL. ACRE-FEET AC.-FT. PER AC.-FT. SURVEY OR CONTOUR INT. AREA, ACRES SURVEY YEARS **YEARS \$**/66 185.55 4276.38 •329 \$/66 (70.27) (586.38) 9/68 (70.27) (529.24) 2.0 2.0 Range Detail 17 \$/72 ±/ 11 (70.27) (531.07)丛 3.75 5.75 17 34. PERIOD PERIOD WATER INFLOW, ACRE-FEET 36. WATER INFL. TO DATE, AC.-FT. 26. DATE OF ANNUAL SURVEY MEAN ANNUAL b. MAX. ANNUAL c. PERIOD TOTAL a. MEAN ANNUAL b. TOTAL TO DATE PRECIPITATION DATA RVEY PERIOD CAPACITY LOSS, ACRE-FEET TOTAL SED. DEPOSITS TO DATE, ACRE-FEET 26. DATE OF SURVEY c. PER SQ. MI.-YEAR PERIOD TOTAL b. AV. ANNUAL c. PER SQ. MI.-YEAR a. TOTAL TO DATE b. AV. ANNUAL 8/66 (28.57)(28.57) (57.14) 9/68 (57.14) (2.29)(2.29)(55.31)1 (19.56) <u>1</u> 5/72 $(1.18) \frac{1}{2}$ (112.4) 1(1.57)40.SED. DEP., TONS PERSQ. MI.-YR. 41.STORAGE LOSS, PCT. 42. 39. AV. DRY WGT. SED. INFLOW₁ PPM 26. DATE OF LBS, PER CU. FT. SURVEY b. TOTAL TO DATE a.AV. ANN. b. TOT. TO DATE b. TOT. TO DATE a. PERIOD PERIOD a. 8/66 (9.74)(4.87) 9/68 (70.0) *(3490.2)(3490.2)(3.33)1/(19.18)15/72 (70.5) $(2410.7) \frac{1}{4}$ (1825.4)

<u>l</u>/ See remarks

Permanent pool only Assumed

26. DATE OF	43	3,	D	EPTH (DESIGN	NOITAI	RANGE	IN FEE	T BE	LOW, A	AND A	BOVE, C	REST	ELEVAT	ION		$\neg \neg$
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26. DATE OF SURVEY		·		REACH	DESIG	NOTTAN	PERCE	NT OF	TOTA	L ORIG	GINAL	LENGT	H OF F	₹ËSERV(DIR		
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		PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION															
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9/68 5/72				35	17	16	16	6	10				1	1			- 1
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45. RANGE IN RESERVOIR OPERATION																	
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47. REMARKS	AND R	EFERE	NCES	Mai	nt en	ance.	opera	tion	s an	d the	e co	nstruc	tion	of a	pip	eline	•
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this disc	narge	crea	ated	a fl	ushi	ng act	tion v	mich	sco	ured	ran	e sedi	ment	irom	the	Lake	•
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This affected the lower third of the permanent pool and partly restored sediment storage capacity of that portion. Determinations of the amount of sediment flushed																	
out were not made. For sediment volumes computations it is assumed that average																	
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volume of 48. AGENCY I	3.2	acre-	-fee	t of	sedi	ment 1	which	had	been	. sto	red.			, .			
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49. AGENCY S	SUPPLYI	NG DA	TA	Soil	Cor	iserv	ratio	n Se	rvi	Ce		50. DAT	E				_ 1