

RESERVOIR SEDIMENT
DATA SUMMARY

S-34 Rev. 6-66

Bill Snow Pond
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

62 -16

DATA SHEET NO.

DAM	1. OWNER Bill Snow			2. STREAM trib. to Santa Clara Rv.			3. STATE Utah								
	4. SEC. 26 TWP. 42S RANGE 16W			5. NEAREST P. O. St. George			6. COUNTY Washington								
	7. LAT. 37° 06' "LONG. 113° 37' "			8. TOP OF DAM ELEVATION --			9. SPILLWAY CREST ELEV.								
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						2.0*		2.0*		1956				
	b. MULTIPLE USE														
	c. POWER														
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION										1956				
	f. CONSERVATION														
	g. INACTIVE														
17. LENGTH OF RESERVOIR 500 feet			18. AV. WIDTH OF RESERVOIR 100 feet			19. LENGTH 0.38 MILES			20. AV. WIDTH 0.15 MILES						
18. TOTAL DRAINAGE AREA 0.057 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 9 INCHES			19. NET SEDIMENT CONTRIBUTING AREA 0.057 SQ. MI.			23. MEAN ANNUAL RUNOFF 0.2 INCHES						
20. LENGTH 0.38 MILES			24. MEAN ANNUAL RUNOFF 0.6 AC.-FT.			21. MAX. ELEV. 2,800			25. ANNUAL TEMP.: MEAN 62° RANGE 39°-84° F						
21. MAX. ELEV. 2,800			25. ANNUAL TEMP.: MEAN 62° RANGE 39°-84° F			26. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS		29. TYPE OF SURVEY			
6-8-66		10		10		Range R		10		1.1*		2.0*			
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		
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26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET										
6-8-66		1.02 <u>1/</u>			0.10		1.79		1.02 <u>1/</u>		0.10		1.80		
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							
6-8-66		72		2820		2820		--		--		--		--	

*Assumed or estimated

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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															
<p>Survey by auger borings, x-sections and profiles - no original survey Cover - Bursh Geology - Chinle formation</p> <p><u>1/</u> Includes deposition above spwy. crest level</p>															
48. AGENCY MAKING SURVEY Utah State Watershed Planning Party															
49. AGENCY SUPPLYING DATA Soil Conservation Service															
50. DATE 10-14-71															