does not include the bank storage figure

brea above Little CamasReservoir

Capacity is the actual volume of reservoir ar Based on project history record supplemented

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF RECLAMATION

RESERVOIR SEDIMENTATION

ARROWROCK - Boise Project

78-4

	DATA SUMM	ARY		NAME	OF RESERVOIR		DATA SHEET NO.					
	I OWNER Bureau	of Reclama	tion 2	RIVER BO	ise		3. STATE Idaho .					
DAM	4. SEC. 13 TW	P. 3N RANGE	l₄E 5	NEAREST TOV	N Boise		6. COUNTY Elmore					
٦[7. STREAM BED ELE	v. 2954.9	8	TOP OF DAM	LEV. 3219.	751/ 9.	SPILLWAY CRES	T ELEV3216.04				
	IO. STORAGE ALLOCATION	II. ELEVATION TOP OF PO		SURFACE AREA AGRES	STORAG ACRE FE		ACGUMULATED ACRE-FEET	DATE STORAGE BEGAN				
	G. FLOOD CONTRO	L			None		None					
RVOIR	b. POWER				None		None	Feb. 23, 1915				
FR	C. WATER SUPPLY				None		None	DATE NORMAL				
	d. IRRIGATION	3216		3089			271,550	OPER. BEGAN				
œ	e. CONSERVATION				None		None					
L	f INACTIVE				None		None_	Feb. 23, 1915				
	17. LENGTH OF RES		49 3/	MILES	AV. WIDTH OF		<u> </u>					
<u>유</u>	18. TOTAL DRAINAG	<u></u>		SQ. M	. 22. MEAN ANN	UAL PRECI	RECIPITATION (3) IVES.)18.3 INCHES					
E S	IS. NET SEDIMENT			ј ју	. 23. MEAN ANN	IUAL RUNO!	13.60 INCHES					
⊢ l		MILES A	V. WIDTH	33 MILE	24. MEAN ANN		UNOFF 1.502.276 ACFT.					
×	21. MAX. ELEV. 1	0 <u>.600</u> _M	IN. ELEV. 3	216	25. CLIMATIC	CLASSIFICA	TION Semi-	arid				
	DATE OF SURVEY	PERIOD 28 AC	CL. 28 TYP	PE OF 30. NO. OF	RANGES 31. SU	RFACE ACRES	32. CAPACITY AGRE-FEET	33. C/W RATIO				
	Feb. 1915	0 0	To	po 20 :	feet :	3089	279,2505	128.7				
	1935	Note · Dat	a ohtain	ed be a m	esult of the	nie sum	vev was st	udied during				
								determined to				
	be of no val	ue in prepa	ration o	f sedimen	t disposit	ion figu	res,	125.1				
	be of no val Oct. 1917	32.6h 32.	61 Ran	ge 71 m	nges	3089	271,550	L. TO DATE AC-FT				
	DATE OF SURVEY			IUAL B. MAX. A			G. MEAN ANNUA					
		1112011111111	PILMIT AITI	IVAL IVAX. F	TEN.	00 1015	MEAN ANNOA	I TOTAL TO DATE				
ATA	Oct. 1947	18.53	1,572,5	09 3,0	06,000 51,8	392,823	1,572,509	51,892,823				
۷	26. DATE OF							DATE ACRE-FEET				
Æ	SURVĘY	PERIOD TOTAL	b. AV. ANNU	AL C.PER SQ.	ML-YEAR O TOTA	L TO DATE	b. AV. ANNUAL	C.PER SQ.MI-YEAR				
SUR												
	Oct. 1947	7,700	235。9	1 0.10	09	7,700	235.91	0.109				
	26. DATE OF	39. AV, DRY WGT.		TONS PER SC	.MIYR. 41. ST	DRAGE LO	SS PCT. 42 SE	.INFLOW PPM				
	SURVEY	LBS. PER CU.FT.	a. PERIOD			NNUAL b. TO	T. TO DATE O. PE					
			:									

Top of parapet wall 3219.75, of roadway 3216.0
Top of gates (closed), spillway sill = 3210
Length main arm = 12.76 miles and length of South Fork arm = 10.73 miles

26.	43.	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION														
DATE OF				1									T	İ		
SURVEY				PERC	ENT C	F TOT	AL SEC	IMEN	T LOC	ATED	WITHIN	DEPT	H DES	IGNA	TION	
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26.	44.		REA	CH DE	SIGNA	TION	PERCEN	IT OF	TOTA	LORI	GINAL	LENGH	OF I	RESE	RVOI	₹ <u>5</u> /
DATE OF	0	-10 10					50-60						,			120 -125
SURVEY				FRCE	NT OF	TOTA	L SEDIA	AFNT	LOGA	TED V	VITHIN	REACI	I DES	IGNA	TION	
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	5a/1 8	:031	3-43	8.97	13.10	15.23	15.66	7.12	3.07	2.78	3 2.59	r)				
	5b/19	և 7 և 9	<u> 30</u>	1189	1640	10.87	9.44	8.61	3.68	2.16	5 2.19	ł			ļ	
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45.					R.A	NGE	N RESE	RVOI	OPE	RATIO	N		<u> </u>			
WATER YEA	R	AAX. E	LEV.	MIN	ELEV.	INFLO	W ACF	. WAT	ER YE	AR N	MAX. ELE	v.	MIN. EL	.EV.	INFLO	V AC-FT.
	MACON CERT MANAGERY					1				WAR STATE						
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		See attached			D1101	5.000		1044		uava,		Item 45.				
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46.					ΕL	EVATION	ON-ARE	A-CA	PACIT	Y DAT	ΓΑ	 				
ELEVATION AREA CAPA				PACITY	CITY ELEVATION			AREA		CAPACITY		ELEVATION		REA	CAPACITY	
				0	-	060		25		500	31.9		1,8			26,500
2964.5 2970	10		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	200		070		60								6,000
2980				500						500 _و	316		2,0			
	30				_	080		089		,000 ,000	317		2,1			8,000
2990	_		-	700			_	910		39,000		3180		2,320		000,000
3000				1,000				1,120		50,000		3190		2,500		16,000
3010				2,000	00 3110		1,290		61,000		3200		2,700		240,000	
3020 3030	20 <u>185</u>		1	3,200	00 3120		1 1 2	455 75.6		,000			2,920		268,500	
38 <u>78</u>	28	Ž	3,500 5,500 13,688		<u>ا</u> ا	3130 3140		1,610 9		91,000 108,000		3216		3,089		500,500
47. REMARK	SAND	RFF	FREN	a jour ICES				<u> </u>		• VVV		,	·			
Sediment					יינשטיני	ock P	eservo	ir.	L.M.	Sea	vv. H	drol	ogv I)iv.	. Bui	reau of
Reclamati						41					. ,,		· O/ -	_, •	,	7
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Area-c													_ ,	-		
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Area-capacity data (Item 46) based on the 1935 sediment survey adjusted by

Bureau of Reclamation

9/29/50

49. DATE_

the inflow-outflow records

48. AGENCY SUPPLYING DATA