Official Figures on Water Flow of Central Oregon Streams, 1912

Through the courtesy of the United States Geological Survey, The Bulletin is able to give the figures showing the flow of the Deschutes river at nearby points and of the Motolius river and Tumalo and Squaw creeks, during parts or the whole of 1912. These measurements are accurate and are valuable information to those interested in the waterpower and irrigation resources of those streams. To the average person they also

have more or less interest. In the first place, they give evidence of the rgmarkable regularity of flow of Cese mountain rivers and creeks, a fact that has long attracted much From the tables given attention. herewith, it will be noted that the Deschutes varies no more than 1000 second feet at any time during the entire year. Likewise the Metolius does not vary more than 1100 sec-

Another thing of interest about the Deschutes is that it is smaller at Bend than at Benham Falls, 12 miles up the river. This might be accounted for during the aummer months when water is taken out be tween Bend and the falls by the Central Oregon Irrigation Co. and the Arnold Irrigation Company; but it will be seen that during several winter months, when there is no water turned in the canals, the flow of the stream is less at Bend than at a point 12 miles further up stream. In February last year the difference was 50 second feet and in March 70 second feet, increasing when the irrigation season opened. What becomes of the water is an unsettled question, though it has been said that it disappears through underground passages in the lava fields between here and Benham

To the ordinary observer the Des chutes river, when it enters the Columbia river at Celilo, does not appear to be any larger than it is at Hend. However, between the two coints such rivers as the Metolius, Crooked, Warm Spring and White flow into it, each of which carries a large flow. The Metolius itself has greater discharge at the Riggs ranch near Sisters, as the table be low will show, than does the Deschutes here at Bend.

In connection with the extension of the Columbia Southern Irrigation project, which has been authorized by the Legislature which appropriated \$450,000 that will be available in a short time, the figures for Tumalo creek will be or interest.

measurements taken at the

	The				m at the
				given i	n the fol
ı,	lowing	g table			
*	De	schute	a River	-At Re	
	Month	Max	. Min.	Mean	Total ft
*	March	227	156	185	11,400
	April	228	182	268	15,900
-	May	700	356	540	33,200
7	June	760	500	668	39,700
	July	480	222	339	20,800
	Aug.	418	158	185	11,400
	Sept.	194	138	157	9,340
	De	schute	-At I	tenham	Falls.
*	Jan.	1500	1000	1380	84,800
	Feb.	1780	1430	1560	89,700
×	March		1360	1430	87,500
	April	1710	1430	1690	94,600
ı,	May	2100	1710	1890	116,000
^	June	2260	1980	2150	128,000
	July	1940	1710	1800	111,000
	Aug.	1780	1640	1690	104,000
	Sept.	1710	1640	1670	99,400
	Oct.	1640	1570	1590	97,800
*	Nov.	1780	1500	1620	96,400
	Dec.	1570	1360	1500	92,200
		Desc	hutes-	At Ben	d.
	Jan.	1660	1150	1380	84,800
	Feb.	1880	1240	1510	85,900
*	March	1510	1170	1360	83,600
	April	1730	1270	1430	85,100
	May	1940	1420	1580	97,200
	June	2150	1540	1690	101,000
	July	1730	1190	1310	80,600
٠	Aug.	1270	1150	1210	84,400
	Sept.	1470	1250	1400	83,300
	Oct.	1480	1290	1390	85,500
*	Nov.	1660	1370	1490	88,700
	Dec.	1730	1370	1570	96,500
	CONTRACTOR OF THE PARTY OF THE		monk-	None La	sidlaw.

* TH	LELWINS .	riccs-	GENE TW	RESIDENCE AND P.
Feb.	106	70	85.9	4,940
March	8.8	61	67.3	4,140
* April	8.8	64	75.8	4,510
May	298	79	165	10,100
· June	468	191	294	17,500
July	244	130	174	10,700
· Aug.	244	79	99.2	6,100
Sept.	119	83	90.3	5,370
P. B	quaw !	Creek-	Near Blut	tern.
Jan.	186	49	68.8	4.230
Feb.	130	43	64.5	3,710
. March	5.6	32	45.7	2,810
April	84	46	59.5	3,540
May	261	60	131	8,060
*June	395	191	249	14,800
July	261	158	202	12,400
· Aug.	336	102	168	10,300
Sept.	152	72	90.2	5,370
Oct.	102	4.6	64.7	3,980
Nov.	104	54	70.6	4,200
Duc.	66	5.0	55.1	3,390
Metoli	us-at	Sisters	Ranger	Station
Jan.	449	307	392	24,100
Feb.	200	406	478	27,500
*March	462	381	407	22,500
April	411	371	378	26,200
May	471	396	426	27,300
June	517	361	458	20,800
July	361	329	338	20,300
AAug.	252	329	330	19,600
Sept.	352	324	330	19,600
Oct.	352	324	333	20,500
Metoli			Hubbard	's Ranch
THE P	Ne	ear Grai	dview	

89,300 97,200

99,400

94,700

1610

1880

1610

1610

1530

July

'Aug.

1450

1610

1530

1450

1580 1670

1540

Tumalo Creek-Near Laidlaw.

1	and the					
ij	Nov.	1700	1370	1470	87,500	
ì	Dec.	1530	1370	1380	84,800	
ij	Meto	lius P	liver-At	Higgs	Hanch	
ì			Near Sist	ers.		
i	Jan.	2020	1330	1590	97,800	
ľ	Feb.	2430	1650	1860	107,000	
Ñ	March	1830	1650	1680	103,000	
ú	April	1740	1650	1660	98,800	
ı	May	2020	1650	1760	108,000	
į	June	2120	1740	1890	112,000	
ij	July	1740	1650	1660	102,000	
	Aug.	1830	1650	1660	162,000	
ĺ	Bept.	1650	1490	1580	94,000	
ď	Oct.	1490	1490	1490	62,100	

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Hearn, Lafcadio, Letters From the Raven. Herrick, C. T. Chafing Dish Sup-

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Johnson Cyclopedic Review of Current History, Vol. 8 and Vol. 10. June, Jennie. Talks on Women's King, F. H. Irrigation and Drainmay be seen at my office.

Living Thoughts. (Quotations) Longfellow, H. W. Song of Hiawa-

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Moore, Frank. Spirit of the Holy Bible Newell, F. H. Irrigation. Norton, C. S. Bingen on the Rhine.

Nye, Bill. A Guest at the Ludlow. Outlines of Old Testament History. Milton (English Adv. Anderson, D. H. Primer of Irriga-Pattison, Mark,

Men of Letters Berien). Repplier, Agnes. In the Dizzy

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Friday night a homesteader named i. D. Chandler got gay in Glenn Eyre's saloon with a 44 revolver, and as a result contributed \$25 to the city treasury, after Chief Roberts "pulled" him.

It appears that Chandler was getting rather bolsterous and about midnight Eyre, warning him to quiet down, pushed him away from the Thereupon Chandler drew his big gun and covered Eyre with it, crying out, "I'll shoot you." A Burns freighter who was standing next to him jumped on the homesteader and got the weapon away from him. Roberts was nearby and immediately arrested Chandler. Recorder Ellis fined him \$25 the next morning.

NOTICE TO CONTRACTORS. Sealed proposals will be received y the undersigned at Deschutes, Oregon, until 1 p. m. on May 15th, 1913, for the construction of a 2 room frame school building for District No. 26. Plans and specifications

JOHN C. WOOD, District Clerk

TENNIS CLUB NOTICE, There will be a meeting of the Bend Tennia Club Thursday evening at Mannheimer's store at 7:30.

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if you have property, no matter where situated, which you wish to Parkman, Francis. California and exchange, see the Homeseckers Land Co. They can arrange it for you .-

U. B. Land Office at The Dalles, Ore- above described, before H. C. Ellis. gon, April 14th, 1913.

P. Hausman of Portland, Oregon, who on February 23d, 1912, made May, 1913, Willamette Meridian, has filed no- Oregon, tice of intention to make final desert 6-10p

NOTICE FOR PUBLICATION. proof, to establish claim to the land U. S. Commissioner, at his office at Notice is hereby given that John Bend, Oregon, on the 24th day of

Claimant names as witnesses: desert land entry, No. 09995, for Claimant names as witnesses: N%SW% and B%NW%, section 32, Henry B. Ford, Otis C. Henkle, James township 16 south, range 12 east, Ryan, Albert Harryman, all of Bend,

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