

**2021/2022 RUNOFF YEAR PUMPING TOTALS**  
(ACRE FEET)

	BISHOP	LAWS	BIG PINE	TABOOSE- ABERDEEN	THIBAUT- SAWMILL	INDEPEN.- OAK	SYMMES- SHEPHERD	BAIRS- GEORGES	LONE PINE	TOTAL
APR	1,406	1,208	941	829	813	818	84	105	125	6,329
MAY	1,583	1,413	855	459	838	844	165	90	135	6,382
JUN	1,534	1,308	954	562	806	834	130	101	143	6,372
JUL	1,526	1,208	936	1,665	676	821	122	106	147	7,207
AUG	1,460	1,167	856	507	626	841	167	39	167	5,830
SEP	1,366	868	1,543	442	627	765	163	0	154	5,928
OCT	81	619	1,606	458	637	204	287	0	45	3,937
NOV	304	477	1,613	444	757	148	183	0	25	3,951
DEC	441	433	2,047	460	817	131	188	0	17	4,534
JAN	439	262	1,977	478	837	151	180	0	16	4,340
FEB	394	5	1,685	412	666	311	178	0	21	3,672
MAR	435	10	1,477	609	898	374	200	0	33	4,036
TOTAL	10,969	8,978	16,490	7,325	8,998	6,242	2,047	441	1,028	62,518

Planned Pumping for 2021-22 was 64,600 to 79.980 acre-feet

## EASTERN SIERRA SNOW SURVEY RESULTS

April 1, 2022

### MAMMOTH LAKES AREA (Contributes 27% of Owens River Basin runoff)

<u>Course</u>	<u>Water Content</u>	<u>April 1 Normal</u>	<u>% of April 1 Normal</u>
Mammoth Pass	24.8	42.7	58%
Mammoth Lakes	9.8	20.1	49%
Minarets 2	<u>15.6</u>	<u>29.3</u>	<u>53%</u>
<b>Average:</b>	<b>16.7</b>	<b>30.7</b>	<b>54%</b>

### ROCK CREEK AREA (Contributes 16% of Owens River Basin runoff)

<u>Course</u>	<u>Water Content</u>	<u>April 1 Normal</u>	<u>% of April 1 Normal</u>
Rock Creek 1	1.4	7.1	20%
Rock Creek 2	2.0	10.1	20%
Rock Creek 3	<u>2.3</u>	<u>13.2</u>	<u>17%</u>
<b>Average:</b>	<b>1.9</b>	<b>10.1</b>	<b>19%</b>

### BISHOP AREA (Contributes 19% of Owens River Basin runoff)

<u>Course</u>	<u>Water Content</u>	<u>April 1 Normal</u>	<u>% of April 1 Normal</u>
Sawmill	<u>8.2</u>	<u>19.0</u>	<u>43%</u>
<b>Average:</b>	<b>8.2</b>	<b>19.0</b>	<b>43%</b>

### BIG PINE AREA (Contributes 13% of Owens River Basin runoff)

<u>Course</u>	<u>Water Content</u>	<u>April 1 Normal</u>	<u>% of April 1 Normal</u>
Big Pine Creek 2	2.7	12.6	21%
Big Pine Creek 3	<u>5.9</u>	<u>17.5</u>	<u>34%</u>
<b>Average:</b>	<b>4.3</b>	<b>15.1</b>	<b>28%</b>

### COTTONWOOD AREA (Contributes 25% of Owens Basin River runoff)

<u>Course</u>	<u>Water Content</u>	<u>April 1 Normal</u>	<u>% of April 1 Normal</u>
Cottonwood Lakes 1	2.5	12.3	21%
Trailhead*	<u>2.2</u>	<u>12.5</u>	<u>18%</u>
<b>Average:</b>	<b>2.4</b>	<b>12.4</b>	<b>19%</b>

### EASTERN SIERRA OVERALL SNOW PACK (Weighted by contribution to Owens River Basin runoff)

<b>Average of all Snow Courses</b>	<b>Water Content</b> 7.6	<b>April 1 Normal</b> 18.7	<b>% of April 1 Normal</b> 41%
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Normals are based on the 1971-2020 period.

\*\* Trailhead has only been measured since 1982, so the normal is estimated.

# 2022 EASTERN SIERRA RUNOFF FORECAST April 1, 2022

## APRIL THROUGH SEPTEMBER RUNOFF

	MOST PROBABLE VALUE		REASONABLE MAXIMUM	REASONABLE MINIMUM	LONG-TERM MEAN (1971 - 2020)
	(Acre-feet)	(% of Avg.)	(% of Avg.)	(% of Avg.)	(Acre-feet)
<b>MONO BASIN:</b>	<b>56,200</b>	<b>56%</b>	69%	43%	100,307
<b>OWENS RIVER BASIN:</b>	<b>117,200</b>	<b>39%</b>	52%	26%	300,298

## APRIL THROUGH MARCH RUNOFF

	MOST PROBABLE VALUE		REASONABLE MAXIMUM	REASONABLE MINIMUM	LONG-TERM MEAN (1971 - 2020)
	(Acre-feet)	(% of Avg.)	(% of Avg.)	(% of Avg.)	(Acre-feet)
<b>MONO BASIN:</b>	<b>70,900</b>	<b>60%</b>	74%	46%	118,170
<b>OWENS RIVER BASIN:</b>	<b>194,300</b>	<b>47%</b>	60%	35%	409,364

2021-22 was a 45% of normal year, the driest year on record (since 1935)  
2022-23 is forecasted to be second driest year on record.

MOST PROBABLE - That runoff which is expected if median precipitation occurs after the forecast date.

REASONABLE MAXIMUM - That runoff which is expected to occur if precipitation subsequent to the forecast is equal to the amount which is exceeded on the average once in 10 years.

REASONABLE MINIMUM - That runoff which is expected to occur if precipitation subsequent to the forecast is equal to the amount which is exceeded on the average 9 out of 10 years.