

SNOW SURVEY

2022-2023

Moon Lake Water Users Association

This report can be seen at www.mlwua.org/water-reports/

| Snotel Site | As of: | | 4/3/2023 | | 4/10/2023 | | 4/17/2023 | | 4/24/2023 | | 5/1/2023 | | 5/8/2023 | | Current % of Average |
|---|-----------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------|
| | Elevation | Median Peak | Snow Water Content | % Days to Med Peak | Snow Water Content | % Days to Med Peak | Snow Water Content | % Days to Med Peak | Snow Water Content | % Days to Med Peak | Snow Water Content | % Days to Med Peak | Snow Water Content | % Days to Med Peak | |
| Brown Duck Basin <small>Lakefork (West of Moon Lake)</small> | 10,600 | 20.2 29-Apr | 25.9 | 128.22% 26 | 27.0 | 133.66% 19 | 27.1 | 134.16% 12 | 27.1 | 134.16% 5 | 28.4 | 140.59% -2 | 24.4 | 120.79% -9 | 151% |
| Five Point Lake <small>Yellowstone River, Garfield Basin)</small> | 11,000 | 19.5 26-Apr | 26.0 | 133.33% 23 | 26.9 | 137.95% 16 | 26.5 | 135.90% 9 | 27.0 | 138.46% 2 | 22.7 | 116.41% -5 | 24.2 | 124.10% -12 | 147% |
| Lakefork #1 <small>Yellowstone (East of Moon Lake)</small> | 10,200 | 13.5 14-Apr | 18.0 | 133.33% 11 | 19.0 | 140.74% 4 | 18.7 | 138.52% -3 | 19.2 | 142.22% -10 | 15.8 | 117.04% -17 | 15.0 | 111.11% -24 | 176% |
| Lakefork #3 <small>Hell's Canyon (East of Moon Lake)</small> | 8,464 | 5.8 13-Mar | 16.4 | 282.76% -21 | 16.2 | 279.31% -28 | 14.5 | 250.00% -35 | 14.3 | 246.55% -42 | 8.5 | 146.55% -49 | 4.5 | 77.59% -56 | 0% |
| Lakefork Basin <small>Lakefork (North of Moon Lake)</small> | 11,100 | 20.6 29-Apr | 29.7 | 144.17% 26 | 31.2 | 151.46% 19 | 31.1 | 150.97% 12 | 31.4 | 152.43% 5 | 28.6 | 138.83% -2 | 29.4 | 142.72% -9 | 144% |
| Chepeta <small>Whiterocks River</small> | 10,300 | 15 13-Apr | 20.3 | 135.33% 10 | 23.5 | 156.67% 3 | 22.7 | 151.33% -4 | 21.6 | 144.00% -11 | 20.6 | 137.33% -18 | 17.6 | 117.33% -25 | 180% |
| Mosby Mountain <small>Whiterocks & Mosby</small> | 9,500 | 12.2 11-Apr | 22.6 | 185.25% 8 | 23.1 | 189.34% 1 | 22.4 | 183.61% -6 | 22.4 | 183.61% -13 | 19.0 | 155.74% -20 | 16.5 | 135.25% -27 | 375% |

| Current Storage Reservoir | Elevation | Acre Feet | Elevation | Acre Feet | Elevation | Acre Feet | Elevation | Acre Feet | Elevation | Acre Feet | Elevation | Acre Feet | Elevation | Acre Feet | % Full |
|---------------------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|---------------|
| Moon Lake | 8137.0 | 37,848 | 8,124.9 | 28,785 | 8,125.4 | 29,147 | 8,126.4 | 29,875 | 8,127.3 | 30,534 | 8,129.0 | 31,789 | 8,131.1 | 33,281 | 87.93% |
| Big Sand Wash | 5918.1 | 25,798 | 5,918.1 | 25,738 | 5,918.5 | 25,978 | 5,918.4 | 25,918 | 5,918.2 | 25,858 | 5,918.1 | 25,738 | 5,918.0 | 25,738 | 99.77% |
| Twin Pots | 33.0 | 4,133 | 14.4 | 1,070 | 14.1 | 1,034 | 13.8 | 1,000 | 13.4 | 954 | 12.9 | 898 | 20.4 | 1,867 | 45.18% |
| Brown Draw | 6050.0 | 5,901 | 6,048.8 | 5,684 | 6,048.8 | 5,684 | 6,049.3 | 5,771 | 6,049.5 | 5,814 | 6,050.0 | 5,858 | 6,050.0 | 5,858 | 99.27% |
| Total | | 73680 | | 61277 | | 61843 | | 62563 | | 63160 | | 64283 | | 66744 | 90.59% |