

SWC Devils Lake Update– May 10, 2017

Area Lake Levels* as of 5/8/2017 - (Increase since 3/10/17)

| | | | | |
|-----------------------|---|--------------------|---|-----------------|
| Devils Lake Elevation | - | 1451.68 ft | - | (1.55 ft) |
| Area of Lake | - | 162,000 acres | - | (14,250 ac) |
| Volume of Lake | - | 3.09 million ac-ft | - | (243,000 ac-ft) |
| | | | | |
| Stump Lake Elevation | - | 1451.33 ft | - | (1.15 ft) |
| Area of Lake | - | 16,500 acres | - | (450 ac) |
| Volume of Lake | - | 580,000 ac-ft | - | (19,000 ac-ft) |
| | | | | |
| Morrison Lake | - | 1459.86 ft | - | (1.30 ft) |
| Dry Lake | - | 1451.60 ft | - | (1.45 ft) |

POTENTIAL 2017 Change in Elevation, Volume, and Area Based on NWS Forecast (4/25/2017)

| Devils Lake at Creel Bay | 80% Chance (1451.9) | 50% Chance (1452.1) |
|--------------------------|------------------------|------------------------|
| Total Elevation | + 0.2 ft | + 0.4 ft |
| Total Volume | + 42,000 ac-ft | + 123,000 ac-ft |
| Total Area | + 2,050 ac | + 4,200 ac |

The values provided above are in addition to the 1.55 foot raise that has already occurred at Creel Bay. Peak lake level forecasts have declined drastically since early in the year with below average precipitation. It appears that the lake has peaked from snowmelt runoff but additional precipitation may cause the lake to continue to rise. The next forecast will likely detail the non-exceedance probabilities of how low the lake may be drawn down through the summer.

Outlet Updates

During the Devils Lake Outlet Management Advisory Committee on May 4th 2017, it was noted that there was adequate capacity to begin discharge to the Sheyenne River. With continued flow upstream of Warwick, the Devils Lake East End Outlet was started on May 4th. Currently, two pumps are operating at a combined rate of 145 cfs.

The West End Outlet began operations on May 8th. Currently, two pumps are operating at a combined rate of 120 cfs.

Devils Lake Outlet Management Advisory Committee

The Devils Lake Outlets Management Advisory Committee met on May 4th, from 1:00 to 4:00PM, in Carrington, ND. During the meeting, a presentation detailing 2016 outlet operations was provided to stakeholders from the from the Devils Lake basin and downstream.

During a discussion of 2017 operations, it was agreed that the outlets should be operated in a similar manner this year with a long-term goal of continued operation until the lake reaches an elevation of 1448 ft which is very unlikely in 2017. After that time, outlet operation would be re-evaluated by the committee with the interests of all parties brought forward. It was also discussed that the committee may re-convene for an update in December at the Joint ND Water Convention and Irrigation Workshop in Bismarck.

