

RESERVOIR LEVELS

There are four factors to consider when assessing the risk of spring flooding. Those factors are soil conditions, snowpack, *reservoir levels*, and the long-term precipitation forecast.

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Flood Risk Factor 3 Reservoir Levels

Rafferty Reservoir, Grant Devine Lake (formerly Alameda Reservoir) and Lake Darling are all drawn down to at least their normal drawdown levels as prescribed in the 1989 agreement between the United States and Canada that governs the operation of the reservoirs. The current storage depths available in Rafferty Reservoir, Grant Devine Lake, and Lake Darling are approximately 16 feet, 20 feet, and 6 feet, respectively. Because the reservoirs are drawn down, the system is in a good position to attenuate a high runoff event. As such, there is reduced risk of high peak flows in Minot.

