

Driest Year	Precipitation (in)	Rank
1936	14.09	1
1890	14.81	2
1895 2023	15.94 16.00	3
1894	16.14	4
1934	17.23	5
1953	17.55	6
1976	17.90	7
1955	18.17	8
1988	18.37	9
1887	18.52	10





How does a well work?

When the well is off the water stabilizes to the STATIC LEVEL

The water is STATIC or not moving, measured from the ground Down to the water level.

When the well is running it pulls that water down because the well is pumping the water out which makes a cone of depression and brings the water to the PUMPING LEVEL.

As the aquifer drops in STATIC LEVEL so does the PUMPING LEVEL as there is less water above the pump to begin with.

Eventually if the water in the aquifer is not replensished by moisture Both the STATIC AND PUMPING LEVELS WILL DROP.

IF THE LEVELS DROP ENOUGH THE WELLS PUMPING LEVEL COULD BE AT THE PUMP INTAKE AND BEGIN TO PUMP AIR BECAUSE THE WELL IS RUNNING OUT OF WATER.



- 1. Approving an agreement with Olsson Engineering
- To analyze current Water Watch, Warning, and Emergency triggers, and to recommend a new schedule for those thresholds.
- Olsson Engineering said it will be the end of September 2023 before recommendations are finalized.
- 2. Having a firm (not chosen yet) update the water rate schedule for the next 5 years.







3. Having a firm do a source water analysis study

- Which at this point in time, these are just idea's and nothing has been finalized.
- A cost benefit analysis would have to be done for each option.
- Engineering
- Financing
- State approvals and permits
- Testing
- Construction



- Develop another wellfield in the Camp Creek watershed.
- Use an injection well or wells to recharge the aquifer with water from Camp Creek, Salt Creek, or City of Lincoln.
- Build a water treatment plant to pull water from Salt Creek or nearby, and or Camp Creek and treat existing well water, in a combination to supply more water.
- Build a reservoir or series of smaller lakes in the watershed near our wells or future wellfield to hold water to help recharge the aquifer in time of drought.
- Again, these are just ideas at this point, and we have proposed in the upcoming budget to fund this research.
- We will be sending out an RFP (Request for Proposals) by the end of August 2023 to select a firm to start this process.

