

Table showing probable pumping conditions and estimated cost for pumping water into various Ramsey County Lakes.

| Location of Pumping Station | Estimated Well Diameter. | Estimated Pump Capacity. | Elevation of Pump Discharge. | Probable Normal Water level in Well. (Not Pumping). | Probable Normal Head. Lift. | Probable Pumping Head. Lift. | Number of Days Derived from Curves to Pump the Equivalent of one foot on Lake. | Power Cost Derived from Curves to Pump Equivalent of one foot on Lake. | Estimated Cost of Wells drilled to Water Bearing Strata. | Estimated cost of Pumping Machinery (Deep Well Turbine Type) Including 600 Pump House |
|-----------------------------|--------------------------|--------------------------|------------------------------|---|-----------------------------|------------------------------|--|--|--|---|
| | Inches | G.P.M. | Elev. | Elev. | Feet | Feet | Days | Dollars | Dollars | Dollars |
| Turtle | 18 | 250 | 893.0 | 863.0 | 30.0 | 40.0 | 410 | 960.00 | 6100.00 | 2750.00 |
| Snail | 18 | 750 | 884.0 | 860.0 | 24.0 | 38.0 | 50 | 335.00 | 6700.00 | 3100.00 |
| Josephine | 18 | 750 | 885.0 | 815.0 | 70.0 | 85.0 | 64 | 950.00 | 6700.00 | 3500.00 |
| Johanna | | | | | | | 40 | 580.00 | | |
| Owasso | 18 | 500 | 888.0 | 850.0 | 38.0 | 50.0 | | 1085.00 | 6700.00 | 2800.00 |
| Kohlman | 18 | 1000 | 860.0 | 835.0 | 25.0 | 43.0 | 141 | 1410.00 | 6800.00 | 3250.00 |
| Gervais | | | | | | | | | | |
| Keller | | | | | | | | | | |
| Phalen | | | | | | | | | | |
| Bald Eagle | 18 | 750 | 911.0 | 900.0 | 11.0 | 27.0 | 324 | 1520.00 | 6700.00 | 2800.00 |
| Island | 16 | 200 | 945.0 | 845.0 | 100.0 | 113.0 | 67 | 375.00 | 6200.00 | 3850.00 |
| Round | 12 | 200 | 891.0 | 825.0 | 66.0 | 75.0 | 154 | 540.00 | 5800.00 | 3100.00 |
| Valentine | 12 | 200 | 878.0 | 823.0 | 55.0 | 63.0 | 75 | 240.00 | 5800.00 | 3000.00 |
| Long | | | 865.0 | 820.0 | 45.0 | | | | | |
| McCarrons | | | 840.0 | 800.0 | 40.0 | | | | | |
| Birch | 12 | 200 | 919.0 | 900.0 | 19.0 | 25.0 | 142 | 165.00 | 5700.00 | 2500.00 |

Note: The pumping condition as tabulated for Lake Josephine and Lake Johanna is assumed with one well at Lake Josephine supplying both lakes.
The location of the assumed well for the Lake Phalen series is at the north end of Lake Gervais.

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