



Puchyan Millpond & Puchyan River

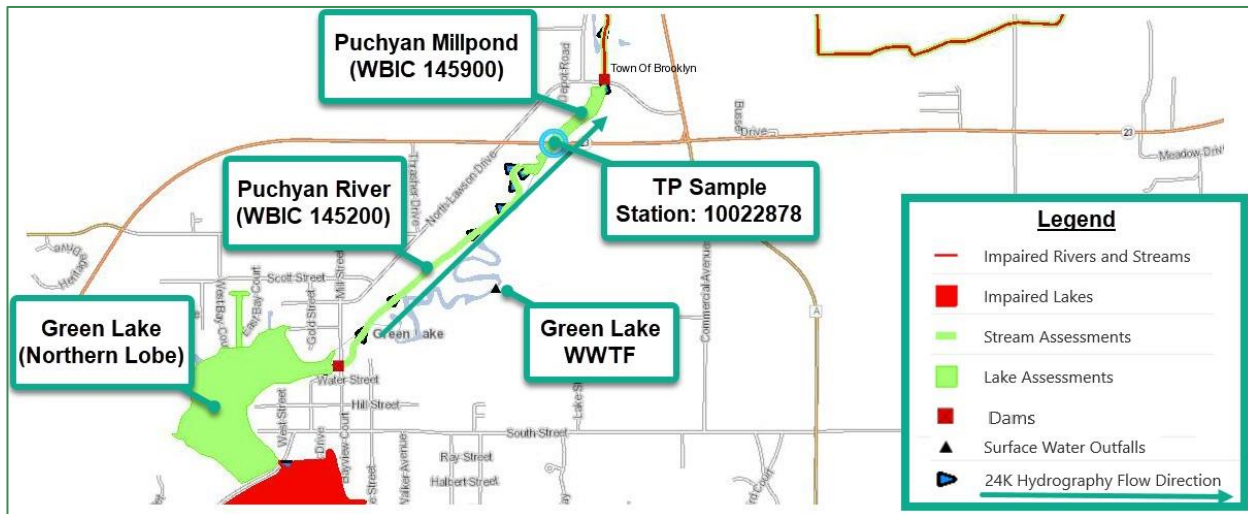
WBICs: 145900 & 145200

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Data: Total Phosphorus (TP) data at SWIMS Station 10022878 for May 2015 – October 2020. Six annual samples during the sampling season (May – October) were taken during all six years. A full 30 phosphorus values were used for this assessment. Data and sampling methods received from Green Lake WWTF.

Thresholds & Methods: Station 10022878 is located within Puchyan Millpond, upstream of the Town of Brooklyn’s dam. The Millpond has a medium estimated water residence time (WRT) of 10.8 days. A WRT of less than 14 days means the millpond is an Impounded Flowing Water (IFW). For an IFW the TP threshold equals that of the river flowing through, in this case the Puchyan River, with a criteria of 75 µg/L. River TP assessment methods were used to assess the Puchyan Millpond and section of the Puchyan River between the Northern Lobe of Green Lake and Puchyan Millpond (AU: 5738923).



Assessment Results: These data were evaluated using an excel spreadsheet rather than the automated SWIMS assessment package because the assessment was done before the data were in SWIMS.

| Median (µg/L) | Lower Confidence Limit (LCL) (µg/L) | Upper Confidence Limit (UCL) (µg/L) |
|---------------|-------------------------------------|-------------------------------------|
| 37.0 | 33.9 | 38.5 |

All three values (median, LCL, and UCL) are below the threshold of 75 ug/L. Both of these waters are attaining Aquatic Life use based on Total Phosphorus evaluation.