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| --- | --- | --- |
| **Parameter** | **Target** | **Source** |
| Dissolved Oxygen | > 6 mg/L and not > 9 mg/L | 327 IAC 2-1-6/US EPA recommendation |
| Temperature | 40-85 degrees F | MI – R.323.1075 |
| *Escherichia coli* | < 235 CFU/100 ml per single sample and  < 125 CFU/100 ml per the geometric mean of 5 equally spaced samples over a 30 day period | 327 IAC 2-1.5-8 |
| Turbidity | < 10.4 NTU | US EPA recommendation (2000) |
| Total Dissolved Solids | < 750 mg/L | MI – R.323.1051 / 327 IAC 2-1-6 |
| Total Suspended Solids | < 25 mg/L | US EPA recommendation |
| Total Phosphorus | < 0.3 mg/L | IDEM 303d listing criteria |
| Nitrate | < 1.5 mg/L | US EPA reference level (2000) |
| Nitrate-Nitrite | < 1.5 mg/L | Dodds et al. (1998) |
| TKN | <0.076 mg/L | Dodds et al. (1998) |
| Biological Oxygen Demand | < 50% | Hoosier Riverwatch Protocol |
| pH | > 6 or < 9 | 327 IAC 2-1-6 |
| Microcystins Toxins  Recreational Waters | <6ppb | World Health Organization/  IDEM |
| macroinvertebrate Index of Biotic Integrity (mIBI) | >23 points / >36 points | Hoosier Riverwatch Protocol / IDEM (2008) |
| Qualitative Habitat Evaluation Index (QHEI) | > 51 pts | IDEM (2008) |
| Index of Biotic Integrity (IBI)  (fish) | > 36 points | IDEM (2006) |

Water Quality Targets