



We Are Leading The World To Renewable Water

## Case Study Summary:

### Bowling Green Reservoir, Bowling Green OH 43402, USA

#### **i** Background

The City of Bowling Green, Ohio draws water from the Maumee River into a holding reservoir prior to being processed to provide drinking water for the city. From late spring to early fall the Maumee River can have high levels of algae, cyanobacteria and nutrients, which at times are unavoidably drawn into the reservoir. The data below shows the situation in the river and in the reservoir the year before the SIS.bio solution was implemented.

River 3 <sup>rd</sup> Aug 2016			Reservoir 1 <sup>st</sup> Aug 2016		
Total Phycological Count	150,840		Total Phycological Count	123,950	
Diatoms	3,555	2%	Diatoms	6,636	5%
Algae	44,538	30%	Algae	32,102	26%
Cyanobacteria	102,747	68%	Cyanobacteria	85,212	69%

## Results

**i** Data from the same dates during the first year of solution delivery shows the positive impact on total phycological count and on toxic CyanoHABs in particular.

River 31 <sup>st</sup> Jul 2017			Reservoir 31 <sup>st</sup> Jul 2017		
Total Phycological Count	159,065		Total Phycological Count	41,645	
Diatoms	46,000	29%	Diatoms	21,800	52%
Algae	45,745	29%	Algae	19,545	47%
Cyanobacteria	67,320	42%	Cyanobacteria	300	<1%

**“The implementation of the SIS.bio solution enhanced water quality and it is an important tool for its reservoir management.”**

Daryl Stockburger, Assistant Director of Utilities, City of Bowling Green.