



We Are Leading The World To Renewable Water

## Case Study Summary:

### Lake Peekskill, Putnam Valley, New York 10579, USA

#### **i** Background

Lake Peekskill is a 60 acre lake in the State of New York, USA.

Toxic cyanobacteria blooms (CyanoHABs) had caused the lake and its beaches to be closed to the public for recreational use for the majority of several summers. Prior to the implementation of the SIS.bio Eutrophy Solution the lake was open for just 3 days during summer.

## Results

**i** Sophisticated bathymetric survey showed that in the first 6 months of operation 37,921 cubic meters of sediment was digested and eliminated from the lake.

Prior to implementation of the remediation program samples showed an average cell count of potentially toxin producing CyanoHABs of 2,133 cells per ml. 12 months later the average cell count was 3.67 cells per ml.

<u>Prior To SIS.bio Treatment</u>	<u>12 Months After SIS.bio treatment</u>	<u>6 Months After SIS.bio treatment</u>
<b>2,133</b> Toxic Cyanobacteria cells/ml	<b>3.67</b> Toxic Cyanobacteria cells/ml	<b>37,921</b> m <sup>3</sup> Sediment Reduced

“In the first year of installing the system, we’ve had a great year for water quality in Lake Peekskill – a really great investment, and with the bathymetric scanning service, we can measure and track the return on investment for our stakeholders. Everyone has seen improvement in the lake, especially the increase in depth as shown in the bathymetric survey at the end of the year. Last year the lake was shut to the public for all but 3 days due to toxic CyanoHABs. This year there has not been a single confirmed CyanoHAB incident.”

Sam Oliverio, Supervisor – Town of Putnam Valley