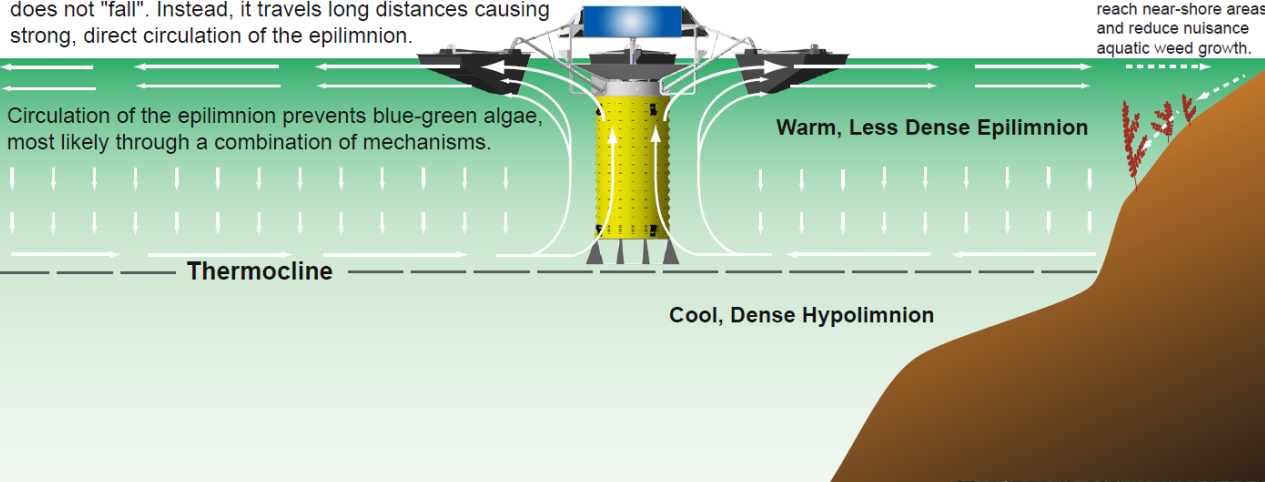


SolarBees at Lake Redman

SolarBee set for Epilimnetic Circulation Intake Set Above the Thermocline

The warm, less dense water brought up by SolarBee does not "fall". Instead, it travels long distances causing strong, direct circulation of the epilimnion.

Circulation of the epilimnion prevents blue-green algae, most likely through a combination of mechanisms.



SolarBee increases nighttime lateral mixing of the littoral zone, allowing circulation to reach near-shore areas and reduce nuisance aquatic weed growth.

Controlling blue-green algae at the top of the lake stops the precipitation of dead or dying blue-green algae cells onto the bottom sediment. The result is lower oxygen demand at the bottom of the lake.

Anoxic Water



The primary purpose of SolarBees is to control algae growth.



The SolarBees reduce algae growth, which can cause the water to turn green. York Water and York County Parks are being proactive and aim to provide the best environment for aquatic life, recreational users, and our water supply.

5 SolarBees have been installed on Lake Redman.

