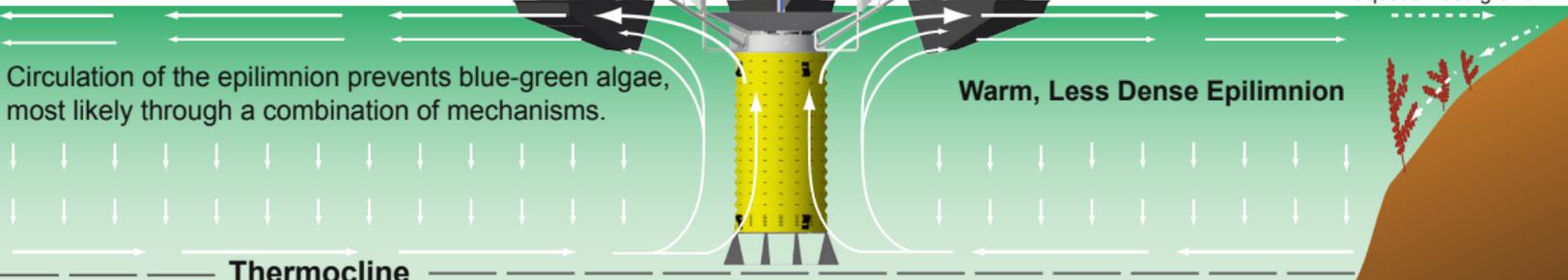


SolarBee set for Epilimnetic Circulation Intake Set Above the Thermocline

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.



Warm, Less Dense Epilimnion

Thermocline

Cool, Dense Hypolimnion

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