



Study Project

The study project focuses on hypolimnetic aeration or hypolimnetic oxygenation measures used in lake restoration or symptom treatment. The student compiles results of publications from scientific journals, which can be used to answer the question, what influence measures of hypolimnetic aeration or hypolimnetic oxygen input have on the potential emission of greenhouse gases (methane, CO₂) from lakes.

The student will store relevant publications, organized by subtopics, under the authors' names with year of publication in a BTU OwnCloud folder. The student summarizes the most important results of the publications in a report. A general introduction to the topic is expected, e.g. on the global significance of greenhouse gas emissions from lakes and the influence of eutrophication and climate change on the level of greenhouse gas emissions (scope approx. 1/3 of the report).

However, the focus of the report is on whether authors have addressed the issue of greenhouse gas emissions in the context of implementing lake therapy measures. After stating the report, the student defends his/her findings in an oral presentation.

Type: Study project, literature analysis

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Start: from March 2023

Students: 1 - 2