

Lake Goldap, Poland

Application date: December 2017

Summary

Aim: Application of Phoslock reduce the incidence of cyanobacteria blooms and improve the ecological status of the lake.

Description: Natural Lake

Length: 3.7 km

Size (ha): 130

Max. depth (m): 12 m

Dosage (tonnes): 300

The Lake



Figure 1: Aerial view of Lake Goldap, Poland (Google Earth Pro, 2017)

Lake Goldap is a 130 ha lake located in north eastern Poland . The lake covers two countries: Poland and the Russian Federation, with the international border transecting the northern part of the lake. Approximately three-quarters of the lake is in Poland and one quarter is in Russia. The lake is located in one of the most remote corners of Poland and attracts thousands of tourists each year due to its natural beauty. It is also only a short distance from the Rominska Primeval Forest, known throughout Europe as one of the last homes for European bison.

The Treatment

Two applications of Phoslock (winter 2017 and spring 2018) totalling 300 tonnes of Phoslock will be applied to Lake Goldap. The first application was undertaken in early December 2017 (see Figure 2). The project is funded by the European Union and the local municipality and is the largest application of Phoslock in Europe to date.



Figure 2: Photos from Lake Goldap during the application of Phoslock. The last photo is taken at 330 pm, where the application was continued under lights.

Conclusion

Phoslock was applied to Lake Goldap in December 2017. At the time of this publication water samples had been taken however results are still yet to be reported. The lake will be monitored for three years after the application with an update of results as soon as they are available.

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