

General description of the bathing water in non-technical language

Mochowsee is a lake situated 25km north of Cottbus and 2km south of Schwielochsee in the East Brandenburg Heathland and Lake District in a western extension of the Lieberose Heath.

The elongated, irregular shape of the basin of Mochowsee stretches over 2.6km in a north-south direction. It has a surface area of 122ha and a maximum depth of 12.2m. In the southern area there is an island - "Karnickelberg" - which rises up 9m above the level of the water. The body of water forms stable temperature layering during the summer. In the west the Mochowfließ flows into Mochowsee. In the south the Möllenseegraben flows into the lake and leaves it again in the east. It then drains via the Barolder Mühlenfließ into Schwielochsee and thus into the Spree. In the north the lake also has a connection to Kleiner Mochowsee, which also drains into Schwielochsee. The catchment area is 44km² in size, of which three quarters is forested and only 8% is used for agriculture.

Mochowsee, which is monitored by the Brandenburg State Office for Environment, Health and Consumer Protection as part of a long term environmental programme, should be a moderately nutrient-rich lake with very high water transparency levels, due to the depth of the water and its predominantly forested catchment area. However, it had a heavy excess of nutrients in the past. In the mid-1990's it was evaluated as being very nutrient rich. However, since then its state has gradually improved. Water transparency levels are now between 0.5 and 2.0m (mean value in open water: 1.3m) during the summer. However, because the underwater vegetation, which was heavily repressed during the period of excess nutrients, has not yet regenerated in terms of its composition and extent, the state of Mochowsee still has to be viewed as being unsatisfactory.

The shore of Mochowsee is partially forested and in part bordered by arable land, separated by a line of trees. The eponymous locality of Mochow is situated almost one kilometre west of the lake. Lamsfelde is situated in the southern part of the eastern shore and has a camping site. There is a bungalow estate in the northern part of the eastern shore. As with the entire Schwielochsee area, Mochowsee is also a popular destination for those seeking recreation.

The "Campingplatz Lamsfeld" bathing area at Mochowsee, which is tested every four weeks by the local Office for Health as per the Brandenburg Bathing Water Regulations, there were no exceedances of single values of the microbiological parameters e.coli and intestinal enterococci. Blooms of blue-green algae have not been observed.

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Sources

Arp W. & B. Koppelmeyer (2010): Maßnahmevorbereitendes investigatives Monitoring am Schwielochsee. – report on behalf of the Brandenburg State Office for Environment, Health and Consumer Protection

www.campingplatz-mochowsee.de