

Lake Lunz

pre-alpine lake in Lower Austria

$N47^{\circ}51'10''$ $E15^{\circ}03'10''$

608 m above sealevel

maximum depth: 34 m

area: 68 ha



Lake Lunz is member of the „Global Lake Ecological Observatory Network“ (GLEON: www.gleon.org). Within our GLEON activities, we measure at least once per month several lake parameters during the ice-free season (typically April-Dezember).

In addition to regular lake sampling, WasserCluster Lunz also samples water parameters of the inflowing stream.

For additional data or information, please contact working group leader Dr. Martin Kainz (martin.kainz@donau-uni.ac.at).



Daily depth profiles (data available upon request):

- Temperature (°C)
- Conductivity (uS/cm)
- pH
- Redox (mV)
- Dissolved oxygen (mg/L and %)

Above the lake and at 1 m depth (daily):

- CO₂
- CH₄

Lake Lunz is regularly sampled for:

- DOC
- Dissolved nutrients (NO₂, NO₃, NH₄, PO₄)
- Seston (0.2 - 1.2 µm and 1.2 - 30 µm)
- Plankton size fractions (30 - 100 µm; 100 - 250 µm; 250 - 500 µm; >500 µm) with their taxonomic resolution

