

Description of Lake Erken

Erken Laboratory

Lake Erken is part of SITES Water and SITES AquaNet. The monitoring for SITES Water, including lake and stream sampling, is carried out in five of the stations catchments and therefore covers a gradient in aquatic biogeochemistry, e.g., nutrient concentrations, water color and catchment characteristics. The Thematic Program AquaNet offers experimental manipulations in five lakes with varying environmental conditions along a latitudinal gradient.



Picture: Lake Erken. Photo: Roberto Lo Monaco.

Location and lake information

Sampling point	Erken, Malma island
Latitude (north)	59.83917
Longitude (east)	18.629333
Altitude	13 m a.s.l.
Lake area	24 km ²
Lake depth	Mean: 9 m, max.: 21 m
Trophic status	Mesotrophic, clear-water
Additional	Dimictic, summer and winter stratified, water residence time of seven years.

Additional lakes in SITES Water

- Albergasjön (Abisko Scientific Research Station)
- Erssjön (Skogaryd Research Catchment)
- Feresjön (Asa Research Station)
- Stortjärn (Svartberget Research Station, Krycklan Research Catchment)

Additional lakes of SITES AquaNet

- Bolmen (Bolmen Research Station)
- Erssjön (Skogaryd Research Catchment)
- Feresjön (Asa Research Station)
- Stortjärn (Svartberget Research Station, Krycklan Research Catchment)

Additional information

Data is openly available on the SITES Data Portal: <https://data.fieldsites.se/portal/>

For lake specific data use Filter option Location = "Lake Erken" on the data catalogue.

Contact & Support



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