Arendsee nutrients

Arendsee Nährstoffe

since 1960

Metadata description for “Arendsee nutrients (35)”

The Arendsee is one of the few lakes in Germany with long-term data on physical, chemical and biological parameters. The lake was studied particularly intensively between 1976 and 1985, between 1991 and 2000 and during the last 10 years.

This dataset contains the data collected by the Helmholtz Center for Environmental Research (Helmholtz-Zentrums für Umweltforschung, UFZ), the State Office for Flood Protection and Water Management Saxony-Anhalt (Landesbetrieb für Hochwasserschutz und Wasserwirtschaft Sachsen-Anhalt, LHW) and the Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB).

list of elements:

date	Datum	
time	Tiefe	
temperature	Temperatur	T
oxygen-konzentration	Sauerstoff-Konzentration	O2
oxygen-saturation	Sauerstoff-Sättigung	O2
pH	pH	pH
conductivity	Leitfähigkeit	Lf
dissolved phosphorus	gelöster Phosphor	SRP
total phosphorus	Gesamtphosphat	TP
ammonium	Ammonium	NH4
nitrite	Nitrit	NO2
nitrate	Nitrat	NO3
organic nitrogen	organischer Stickstoff	org_N
total nitrogen	Gesamtstickstoff	TN
total inorganic nitrogen	Gesamt-anorganischer-Stickstoff	TIN
total inorganic carbon	Gesamt-anorganischer-Kohlenstoff	TIC
total organic carbon	Gesamt-organischer-Kohlenstoff	TOC
dissolved organic carbon	gelöster organischer Kohlenstoff	DOC
sulfide	Sulfid	H2S
chloride	Chlorid	Cl
sulfate	Sulfat	SO4
iron	Eisen	Fe
manganese	Mangan	Mn
kalium	Kalium	K
calcium	Calzium	Ca
natrium	Natrium	Na
magnesium	Magnesium	Mg
cabonate hardness	Karbonathärte	KH

total hardness	Gesamthärte	GH
chlorophyll a	Chlorophyll a	Chl_a
silicon	Silizium	Si
comment	Bemerkung	
institute	Institut	

See also: Overview of measured physical and chemical parameters in 0 m water depth with their measuring frequencies (overview_arendsee_nutrients.pdf)

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