

Overview of physical and chemical parameters monitored in Lake Stechlin between 1970 and 2020, including information on the measurement periods with different devices, probes or methods, as well as the measurement range and accuracy. n.a.= not available

Parameter	Abbreviation	Unit	Period	Device, probe or method	Measurement range	Accuracy
Secchi depth	secchi	m	1970 – 1991	Secchi disc (30 cm)	0 – 20	0.01
			1992 – 2020	Secchi disc (20 cm)	0 – 20	0.01
Water temperature	T	°C	1970 – 1991	Hg thermometer	n.a.	0.2 *
			1992 – 2009	WTW OXI-197 probe	0 – 50	0.1
			2010 – 2020	YSI V6600 probe	-5 – 50	0.15
Dissolved oxygen	O ₂	mg L ⁻¹	1970 – 1991	Titrimetry (Winkler)	n.a.	n.a.
			1992 – 2009	WTW OXI-197 probe	0 – 20	0.5%
			2010 – 2020	YSI V6600 probe	0 – 20	2%
Oxygen saturation	%O ₂	%	1970 – 1991	Titrimetry (Winkler)	n.a.	n.a.
			1992 – 2009	WTW OXI-197 probe	0 – 200	0.5%
			2010 – 2020	YSI V6600 probe	0 – 200	2%
pH	pH		1970 – 1991	Potentiometry	n.a.	n.a.
			1992 – 2009	WTW pH-196 T probe	-2 – 16	0.01
			2010 – 2020	YSI V6600 probe	0 – 14	0.2
Specific conductivity	conductivity	µS cm ⁻¹	1990 – 2009	WTW LF-197 S probe	0 – 1999	0.5%
			2010 – 2020	YSI V6600 probe	0 – 100000	0.5%
Turbidity	turbidity	NTU	2013 – 2020	YSI V6600 probe	0 – 1000	0.1
Chlorophyll <i>a</i>	chl <i>a</i>	µg L ⁻¹	2013 – 2020	YSI V6600 probe	0 – 400	0.1
Phycocyanin	PC	cells L ⁻¹	2013 – 2020	YSI V6600 probe	0 – 280000	1

*Mothes, G. Physikalische und chemische Parameter der Wasserbeschaffenheit des Stechlinseegebietes. *Limnologica* **13**, 1-53 (1981).