

Supporting Information for ”Comparison of methods to derive the height-area relationship of shallow lakes in West Africa using remote sensing”

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1. Table S1

Introduction Supporting information with a table containing the information and data availability on the lakes studied.

Table S1.

Lake	Country	Coordinates (WGS84)	Lake area (km ²)	MNDWI threshold	References	In situ data	Pleiades	ICESat-2	GEDI	Sentinel-3
Agoufou	Mali	15.37°N, -1.47°E	1.98	0.09	(Grippa et al., 2019; Gal et al., 2016; Gardelle et al., 2010)	water level X	X	X		
Arzuma	BF	12.22°N, -1.31°E	1.78	-0.04	(De Fleury et al., 2023)	water level X	X	X	X	X
Babou	BF	12.88°N, -1.61°E	0.60	-0.10	(De Fleury et al., 2023)	X	X	X	X	X
Bam	BF	13.38°N, -1.53°E	19.30	0.03	(De Fleury et al., 2023)	H-V curve X (DGRE)	X	X	X	X
Bangou Kirey	Niger	13.50°N, 2.23°E	0.22	0.09	(Touré et al., 2016)	water level X (2022-)	X	X		
Bangui Mallam	Mali	15.41°N, -1.36°E	3.34	0.10	(Gardelle et al., 2010)	X	X	X		
Djigo	BF	14.08°N, -0.22°E	2.50	-0.17		X	X	X	X	X
Inbanta	Mali	15.47°N, -1.96°E	2.93	-0.11		X	X	X	X	X
Kokorou	Niger	14.20°N, 0.90°E	21.33	-0.16	(Baba et al., 2019)	H-A curve X (Baba et al., 2019)	X	X		
Manga	BF	11.66°N, -1.05°E	0.71	0.10	(De Fleury et al., 2023)	X	X	X	X	X
North Tanvi	BF	12.22°N, -1.30°E	0.17	0.00	(De Fleury et al., 2023)	X	X	X	X	X
Seguenega	BF	13.44°N, -1.95°E	1.40	-0.10	(De Fleury et al., 2023)	H-V curve X (DGRE)	X	X	X	X
Seytenga	BF	13.96°N, 0.29°E	3.23	0.15	(De Fleury et al., 2023)	H-V curve X (DGRE)	X	X	X	X
South Tanvi	BF	12.20°N, -1.30°E	0.24	0.10	(De Fleury et al., 2023)	X	X	X	X	X
Tibin	BF	13.18°N, -1.45°E	15.39	0.10	(De Fleury et al., 2023)	X	X	X	X	X
Tousiana	BF	10.88°N, -4.61°E	1.34	0.00	(De Fleury et al., 2023)	H-A-V curve X (Sanogo Dezetter, 1997)	X	X	X	X

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