



Supplement of

OLIGOTREND, a global database of multi-decadal chlorophyll a and water quality time series for rivers, lakes, and estuaries

Camille Minaudo et al.

Correspondence to: Camille Minaudo (camille.minaudo@ub.edu)

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Table S1 - OLIGOTREND time series characteristics by basin

basin	n_total	n_estuary	n_lake	n_river	length_ysr	n_obs	n_years
seine	320	21	0	299	36 (16-43)	189 (72-316)	27 (16-42)
unitedstatesnorthatlanticcoast	266	153	71	42	33 (19-35)	399 (148-585)	34 (17-36)
mississippimissouri	231	0	231	0	31 (21-37)	110 (48-269)	20 (15-28)
francewestcoast	183	0	0	183	34 (18-42)	200 (78-384)	29 (17-41)
englandandwales	163	0	33	130	34 (19-45)	292 (175-619)	27 (19-40)
loire	138	2	1	135	30 (21-43)	248 (78-482)	29 (19-43)
atlanticcoanseaboard	111	0	111	0	21 (17-33)	77 (34-251)	19 (15-25)
stlawrence	92	0	92	0	27 (19-35)	128 (46-352)	20 (15-26)
gironde	74	1	0	73	40 (20-41)	207 (63-514)	35 (17-42)
denmarkgermanycoast	56	0	56	0	33 (21-42)	165 (33-481)	19 (15-31)
california	46	46	0	0	42 (18-46)	297 (109-592)	27 (18-47)
rhone	45	0	1	44	32 (26-33)	217 (42-364)	28 (16-34)
sweden	33	0	33	0	26 (20-53)	238 (108-345)	21 (16-41)
elbe	25	2	0	23	31 (22-38)	581 (145-8490)	30 (22-39)
newzealand	21	0	21	0	17 (16-17)	161 (33-373)	18 (14-18)
saskatchewannelson	19	0	19	0	29 (17-48)	90 (31-454)	16 (13-35)
francesouthcoast	13	0	0	13	33 (29-33)	294 (73-401)	29 (21-34)
columbiaandnorthwesternunitedstates	10	0	0	10	30 (21-31)	682 (512-1093)	26 (21-31)
japan	8	0	5	3	30 (15-39)	346 (139-504)	29 (15-40)
gulfofmexiconorthatlanticcoast	7	7	0	0	21 (16-30)	214 (189-343)	22 (17-31)
floridacoastaleverglades	6	6	0	0	20 (16-33)	211 (189-368)	21 (17-34)
rhine	5	0	3	2	16 (16-35)	406 (280-685)	17 (16-21)
scotland	4	0	1	3	38 (22-48)	361 (215-712)	33 (21-35)
mackenzie	3	0	3	0	34 (34-35)	133 (112-144)	20 (20-22)
mediterraneanseaislands	3	0	0	3	34 (23-35)	140 (34-303)	29 (17-35)
scandinaviannorthcoast	3	0	3	0	35 (29-41)	441 (389-626)	35 (29-42)
danube	2	0	0	2	33 (33-33)	1100 (1010-1127)	33 (29-34)
murraydarling	2	0	0	2	34 (26-34)	782 (329-1685)	35 (25-35)
ebro	1	0	0	1	24 (15-24)	284 (133-323)	24 (16-25)
limpopo	1	0	1	0	20 (20-20)	2735 (2735-2735)	18 (18-18)
maas	1	0	0	1	16 (16-16)	700 (506-723)	17 (16-17)
northwestterritories	1	0	1	0	37 (36-37)	99 (84-146)	22 (21-22)
orange	1	0	1	0	19 (19-19)	180 (180-180)	17 (17-17)

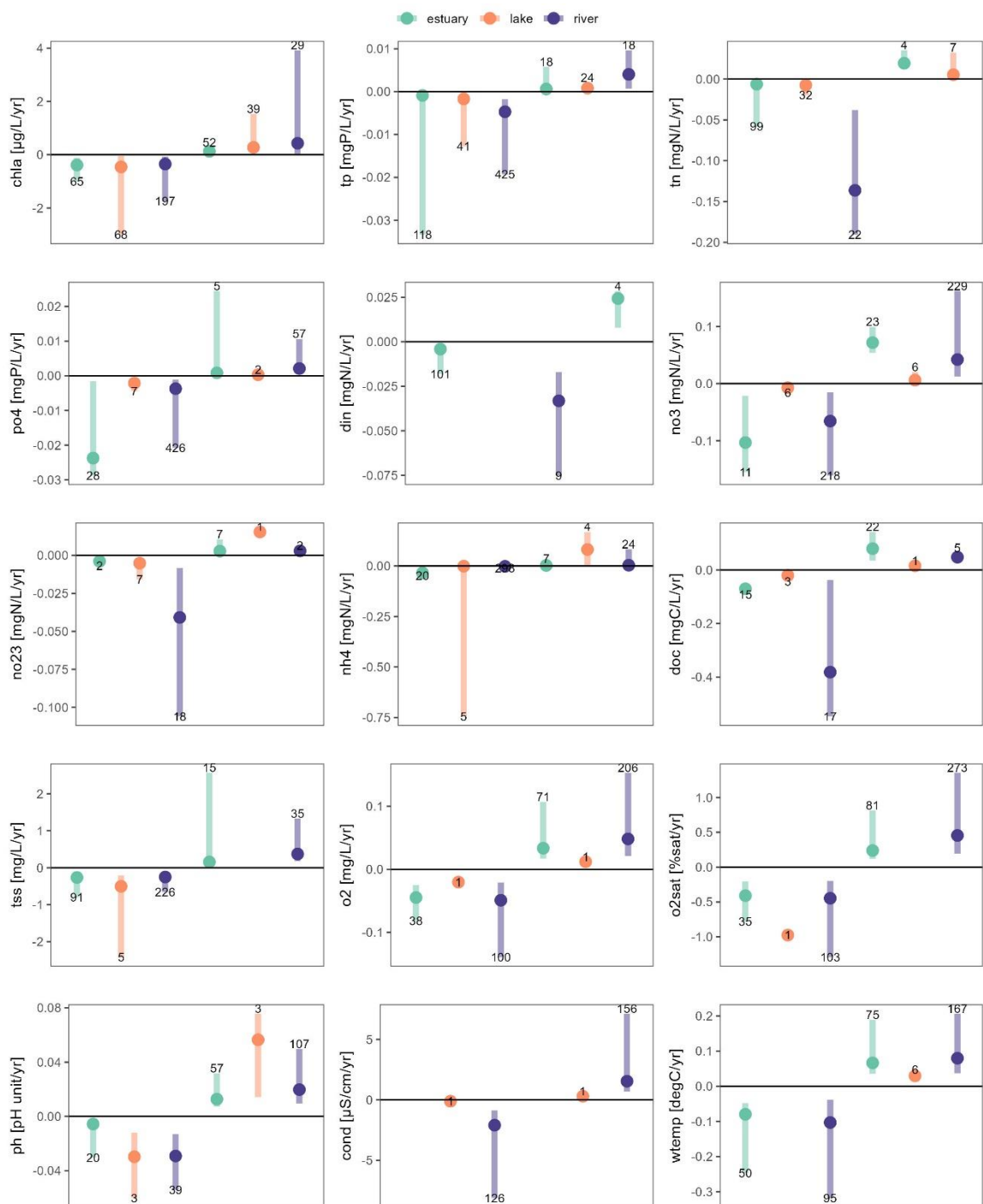


Figure S1. Overview of all Sen's slopes calculated for all time series in the OLIGOTREND database, whether they are showing a declining (negative values) or a rising trend (positive values). Medians by ecosystem type are indicated with a plain circle, 10th and

35 **90th percentiles correspond to the segment ends. The numbers of time series found for each variable, ecosystem and trend type are indicated at the bottom or the top of each segment.**