

Division of Water Resources Pasquotank Bloom Events Tables for Years 2015-2019.

Location	Date Sampled	Basin	Micro-cystin (ug/L) Toxin	Chl a µg/L	County	Cell Density + Cells/mL	Density + Units/mL	Biovolume + mm ³ /m ³	Algal Group/ Dominant Taxa	Latitude	Longitude	Reason Reported	Station/Sample Code/ID Bloom ID & Notes
2015 Blooms:													
Albemarle Sound M390000C	6/16/2015	Pas	ND	18	Tyrrell		T-78,000	T-3,000	CYA Chroococcus, Pseudanabaena	36.062500	-76.001630	Discolored water	M390000C/ 2015022/AC20095
Albemarle Sound D999500C	7/16/2015	Pas	ND	81	Chowan	T-98,000 C-97,000	T-3,000 C-2,800	T-9,800 C-9,700	CYA Anabaena planctonica	35.99002	-76.6092	Discolored water	D999500C/ 10951-2015 2015031/AC21058
Albemarle Sound Southern Shore	8/11/2015	Pas	ND	70	Washington		T-14,000	T-3,000	CYA Pseudanab, Anab planc, Chrooc	35.941420	-76.582740	Discolored Water	ALSND081115/ 2015041 Southern Shore nr D999500S; Pleasant Grove/AC21720
Flatty Creek	9/1/2015	Pas			Pasquotank		T-190,000	T-6,800	CYA Chroococcus, Planktothrix	36.150710	-76.146340	Discolored Water	FCAIb090115/ 2015050 (Drains to northern AS between Little River and Pasquotank R.) AU #30-4
2016 Blooms:													
Albemarle Sound D9995000	6/27/2016	Pas			Chowan		T-7,100		CYA Anabaena			Discolored Water	D9995000 (Added from Albemarle phyto 2000-2019)
Edenton Bay	7/19/2016	Pas	ND	150	Chowan	T-296,000 C-292,000	T-7,300 C-6,100	T-30,000 C-29,000	CYA Anabaena	36.056	-76.611	Discolored Water	EBAB71916/ 11524-2016 2016031/AC30889
2017 Blooms:													
Pembroke Creek Edenton	6/12/2017	Pas	ND	ND	Chowan	T-612,000 C-554,000	T-19,000 C17,000	T-57,000 C-55,000	CYA Dolichospermum	36.06166	-76.6163	Discolored Water	UTPC611217/ 11951-2017 2017009/AC39627
Edenton Bay	6/22/2017	Pas	ND	160	Chowan	T-480,000 C-479,000	T-16,000 C-15,000	T-41,000 C-41,000	CYA Dolichospermum	36.04445	-76.6021	Discolored Water	CBAB0622/Chowan Bay/11986-2017 2017017/AC40453
Albemarle Sound Bull Bay	6/29/2017	Pas			Tyrrell	T-180,000 C-176,000	T-9,200 C-6,000	T-11,000 C-11,000	CYA Dolichospermum	35.97446	-76.3245	Discolored Water	Bull Bay 11990-2017 2017022

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8/11/2021

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													Close to M610000S
Little River	7/18/2017	Pas			Pasquotank		T-64,000	T-5,800	CYA Planktolyngbya	36.174320	-76.242000	Discolored Water	Site 1/ 2017028
Little River	7/18/2017	Pas			Pasquotank		T-45,000	T-27,000	CYA Dolichospermum	36.179260	-76.249200	Discolored Water	Site 2/ 2017029
Albemarle Sound M610000C	7/19/2017	Pas	ND	27	Tyrrell		T-52,000	T-9,400	CYA Planktolyngbya	36.021510	-76.306020	Discolored Water	208117200/ 2017030/nr M610000C
Albemarle Sound nr D999500C	7/20/2017	Pas	ND	55	Chowan	T-46,000 C-45,000	T-3,200 C-2,300	T-4,800 C-4,500	CYA Dolichospermum	35.99002	-76.6092	Discolored Water	Near D999500C/ 208114500/ 12028-2017/AC40093
2018 Blooms:													
Albemarle Sound M390000C	6/28/208	Pas	ND	28	Tyrrell		T-85,000	T-5,500	CYA Dolichospermum	36.062500	-76.001630		208117900/ 2018027/M390000C/AC51180
Albemarle Sound M390000C	8/6/2018	Pas	0.4U	29	Tyrrell		T-140,000	T-8,300	CYA Dolichospermum, Pseudanabaena	36.062500	-76.001630	Discolored Water	208117900/ 2018031/M390000C/AC53292
Albemarle Sound M610000C	8/6/2018	Pas	0.4	22	Tyrrell		T-79,000	T-5,300	CYA Dolichospermum	36.021510	-76.306020	Discolored Water	208117200/ 2018032/M610000C/AC53294
2019 Blooms:													
Perquimans River	6/5/2019	Pas	0.4 (X2)	131	Perquimans		T-14,000	T-15,000	CYA Dolichospermum	36.128639	-76.340697	Discolored Water	PRAB06052019/ 2019008
Sutton Creek (to Perquimans River)	6/12/2019	Pas	0.44	86	Hertford		T-14,000	T-19,000	CYA, BAC Choococcus, centric diatoms	36.169493	-76.392762	Discolored Water	SCAB06122019/ 2019009/AC63975
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2													
8/11/2021													

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Little River	7/2/2019	Pas	0.4U	ND	Pasquotank		T-120,000	T-45,000	CYA Dolichospermum, Cylindrospermopsis	36.187640	-76.254350	Discolored Water	DBPR070219/ 2019013/AC65204 <i>U Qualifier– The laboratory analysis was from an unpreserved or improperly chemically preserved sample. Data may not be accurate</i>
Albemarle Sounds M610000C	7/31/2019	Pas	ND	19	Tyrrell		T-110,000	T-7,100	CYA Chroococcus, Pseudanabaena	36.021510	-76.306020	High DO	208117200/2019028/AC64475
Manns Harbor	8/29/2019	Pas	ND	9.4 Q1	Dare		T-53,000	T-3,000	CYA Planktolynbya	35.910347	-75.770761	Fish Kill	Boat ramp/2019034 nr 64 bridge to Roanoke Island/AC67613 Q1 Qualifier – <i>Holding time exceeded prior to receipt by lab.</i>
Albemarle Sound M610000C	9/11/2019	Pas	ND	33	Tyrrell		T-66,000	T-5,000	CYA Chroococcus, Pseudanabaena	36.021510	-76.306020	High DO	20811722/ 2019038/M610000C/AC67229
Pasquotank River	10/8/2019	Pas			Pasquotank		T-26,000		CYA Pseudanabaena, Dolichospermum	36.2806	-76.1714	Discolored Water	M2750000

*WHO (World Health Organization): Exceeds guideline of 10 ug/L indicating moderate probability of acute health effects from recreational exposure

^QA/QC issues

+T=total & C=cyanobacteria/Blue-green Algae

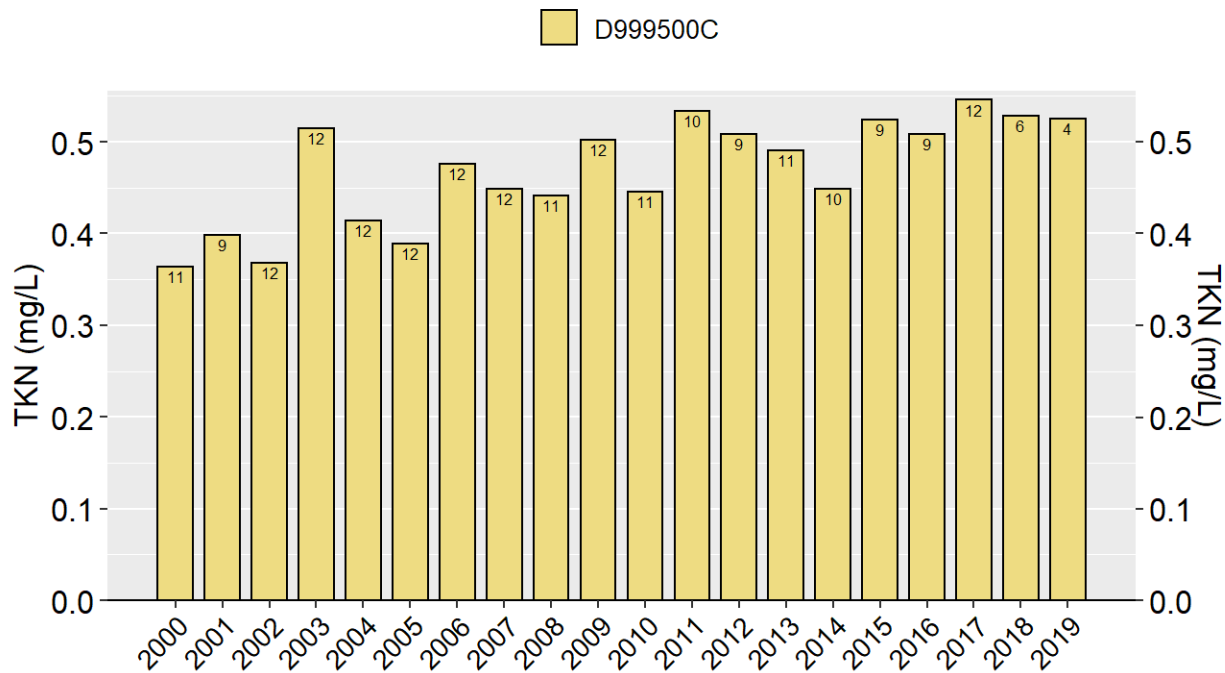
? = I could not find information

ND = Sheet was found, but no analytical data was found.

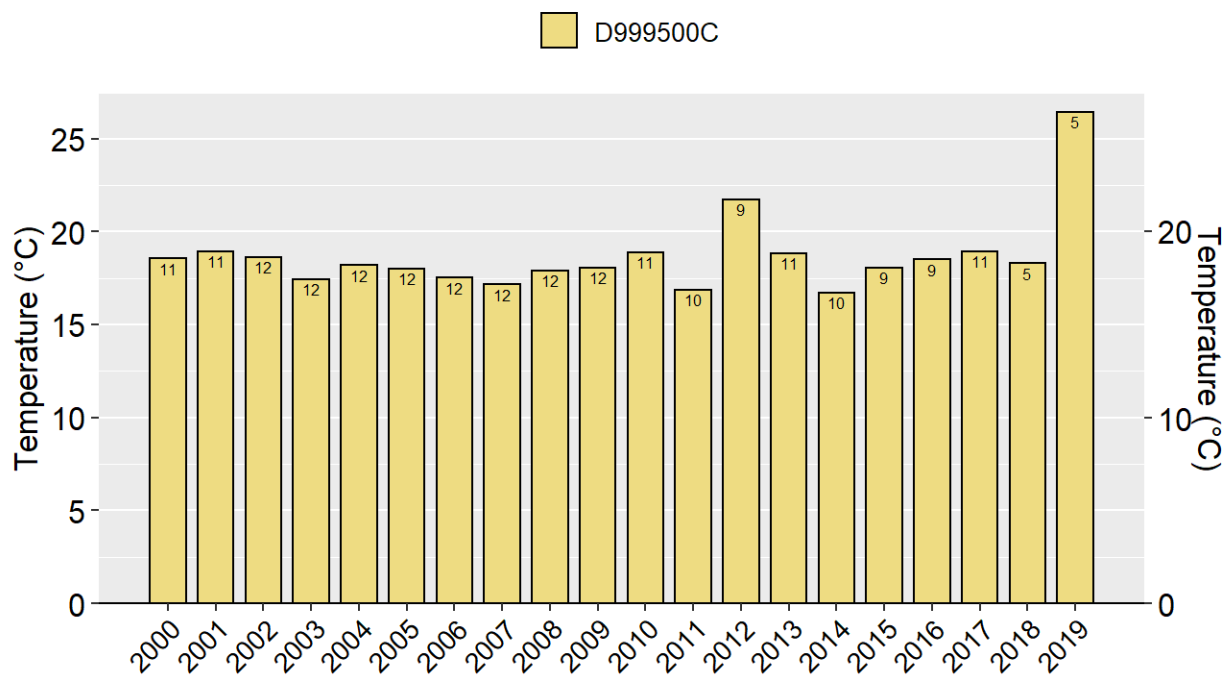
U = sample detection limit

Q1 = sample holding time issue

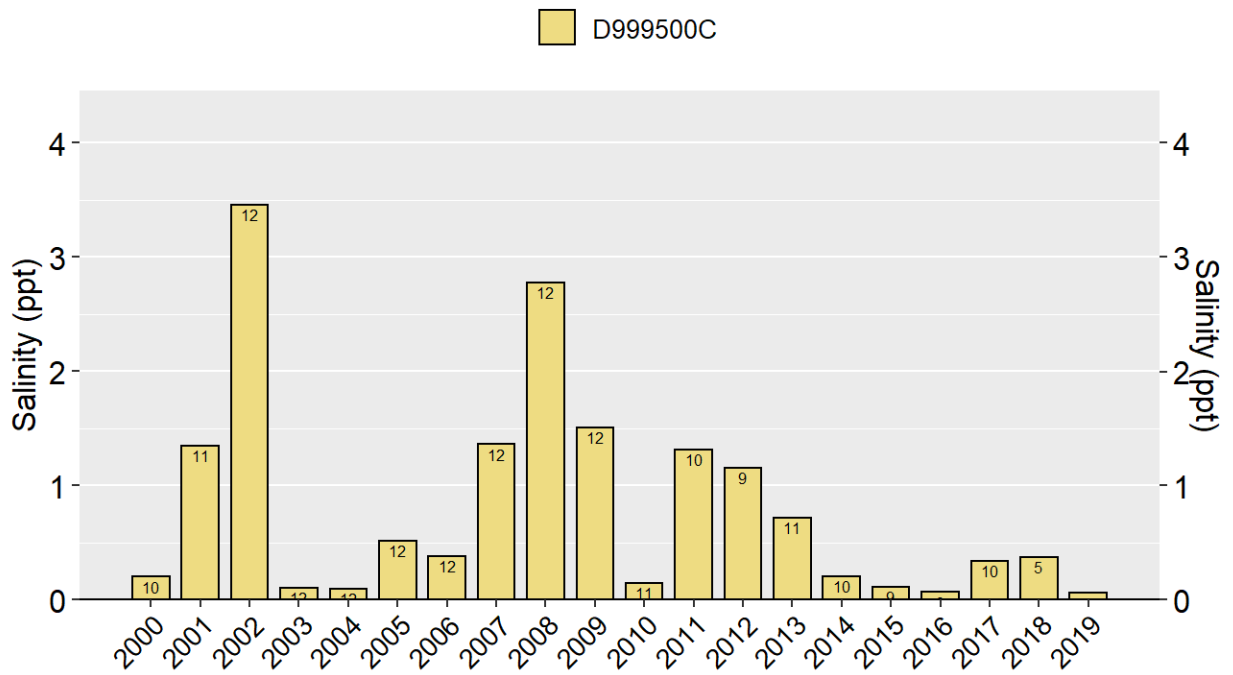
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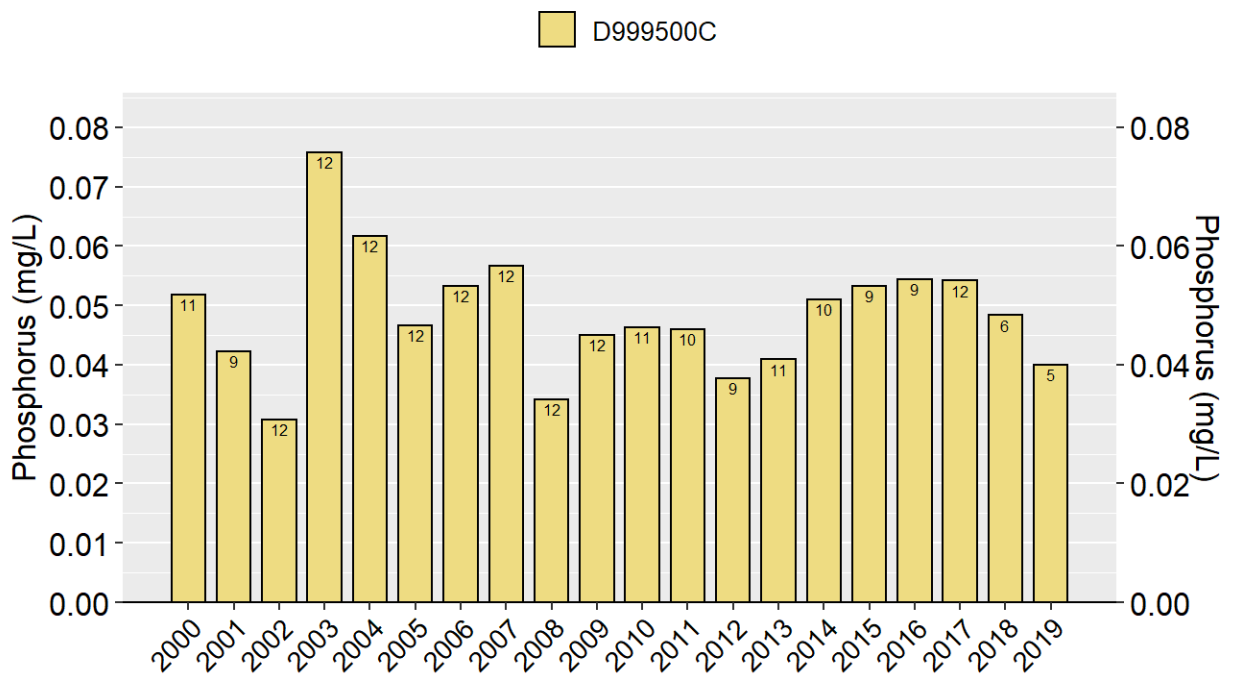
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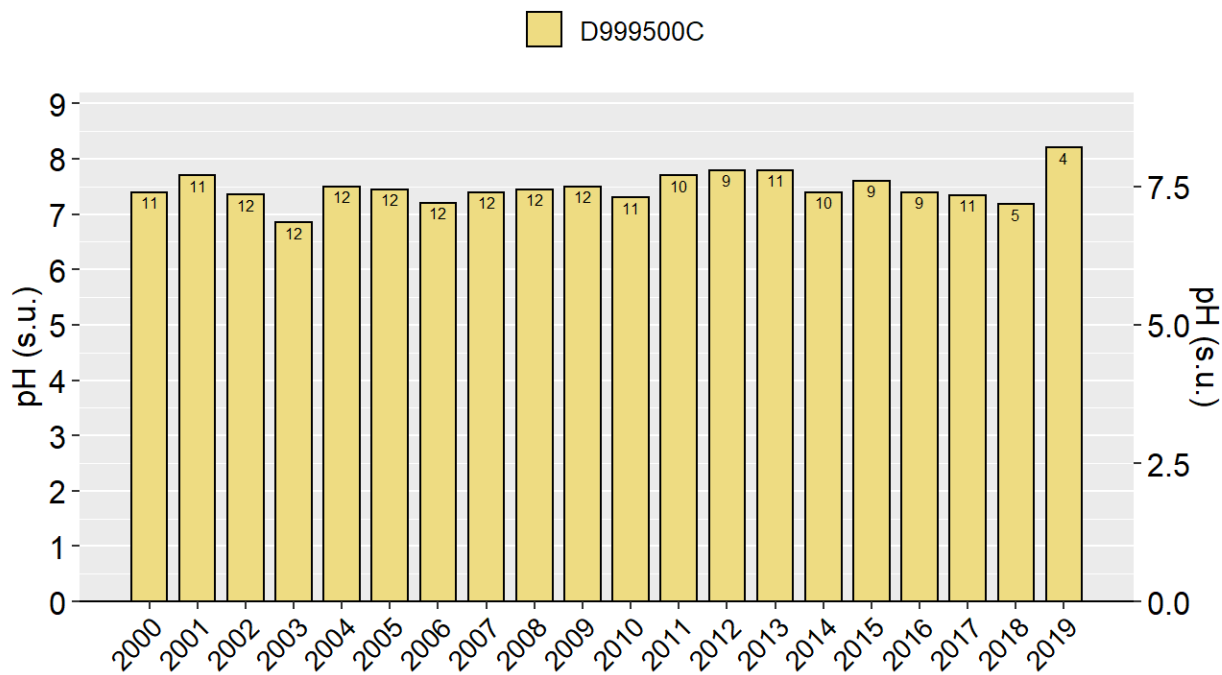
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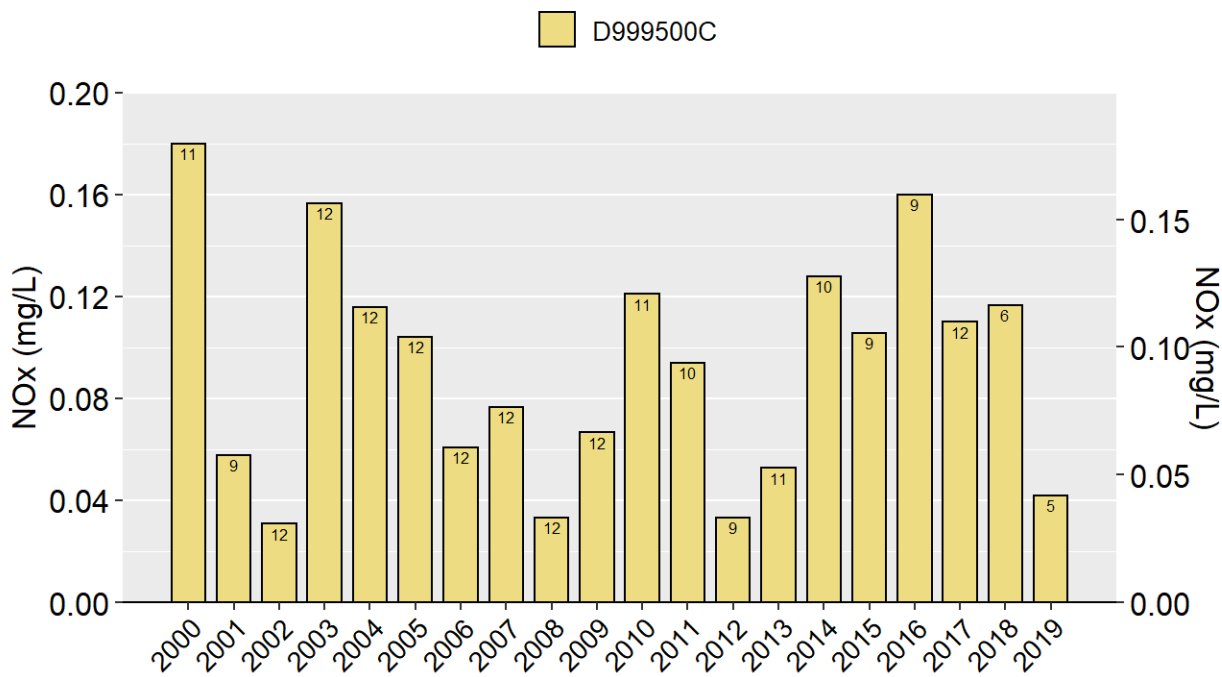
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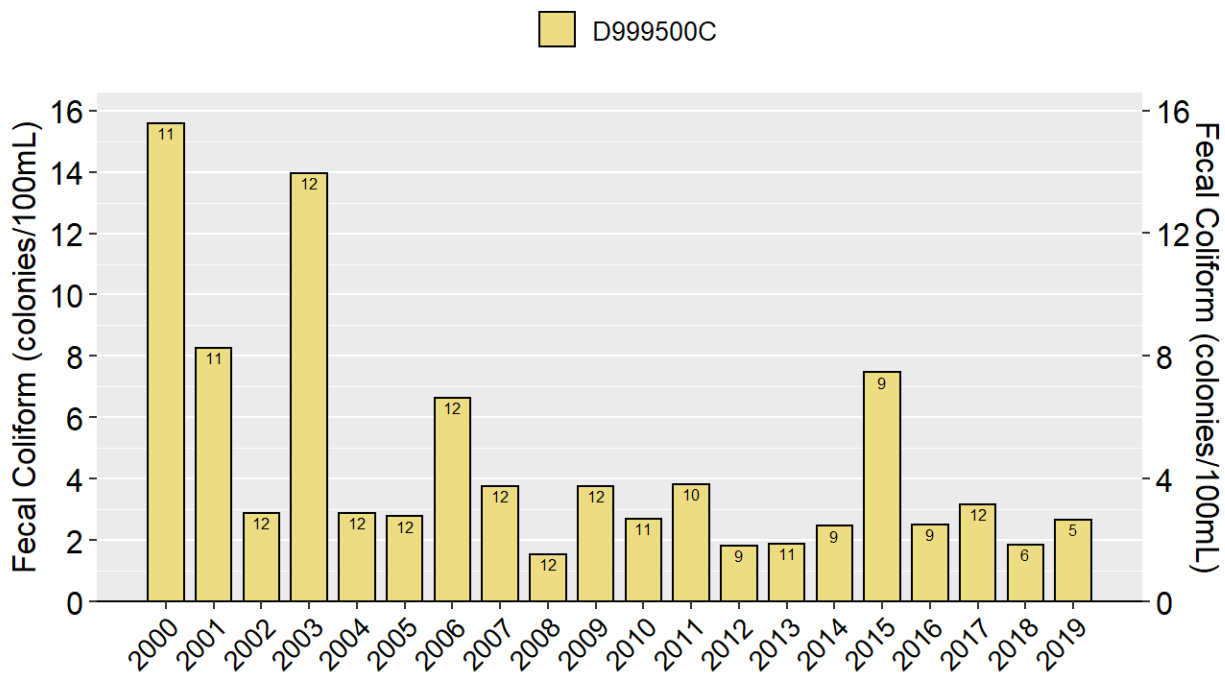
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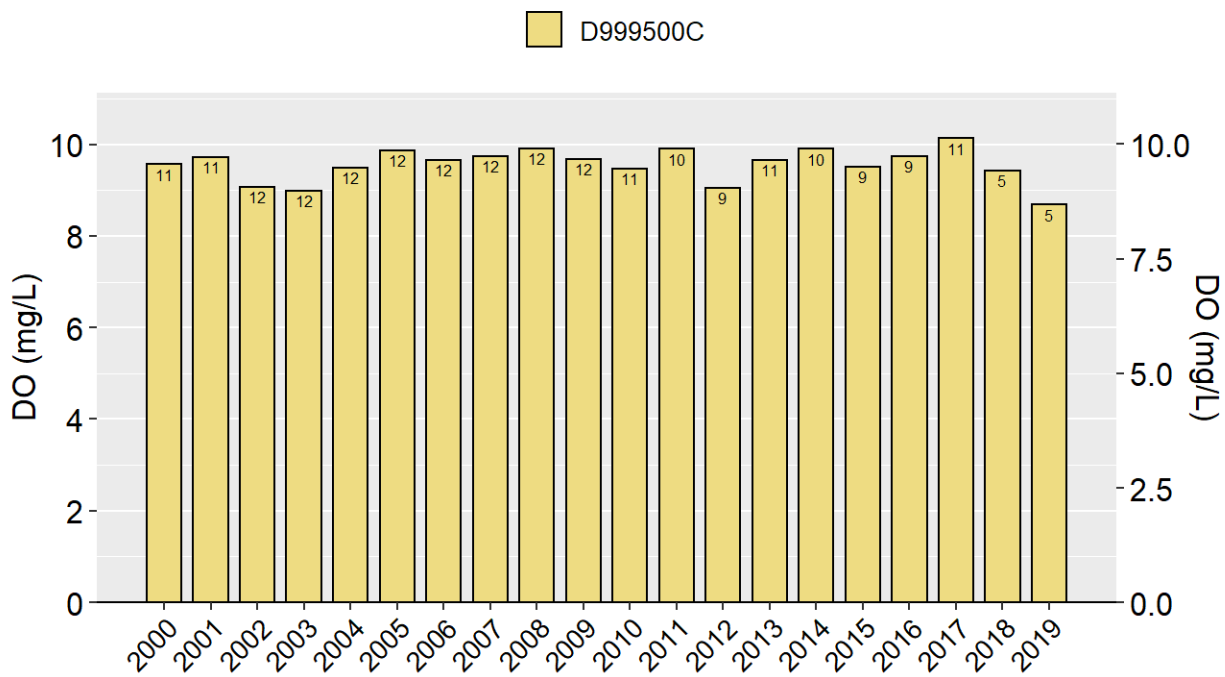
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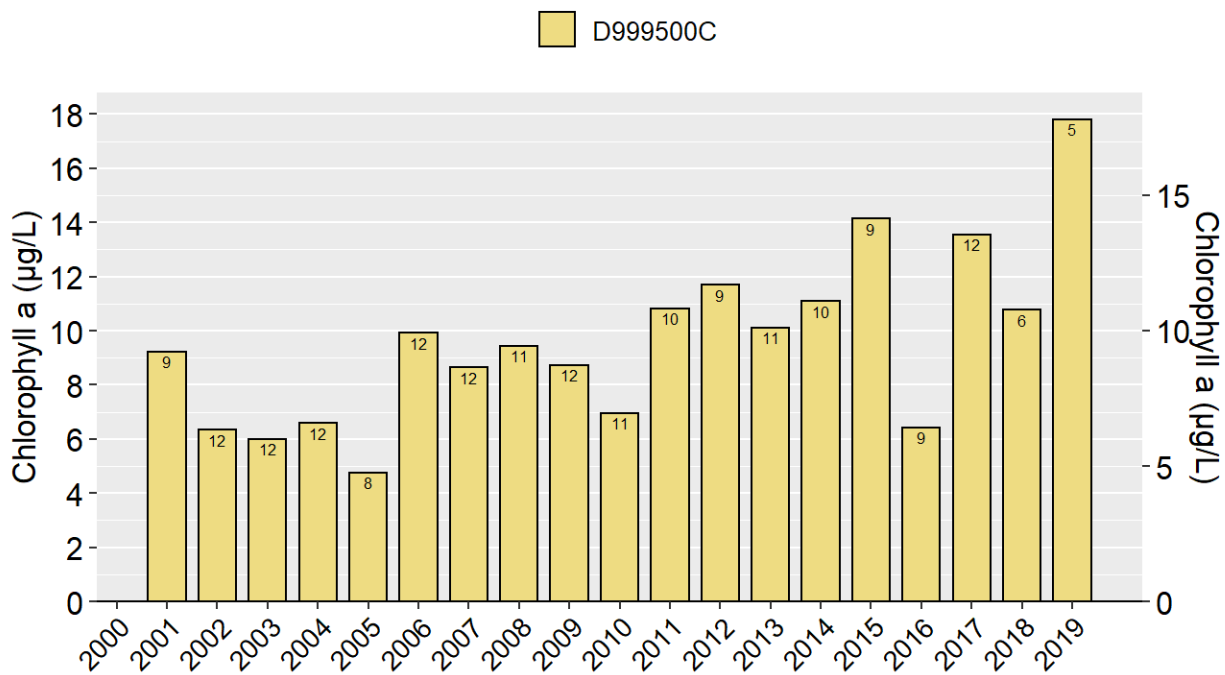
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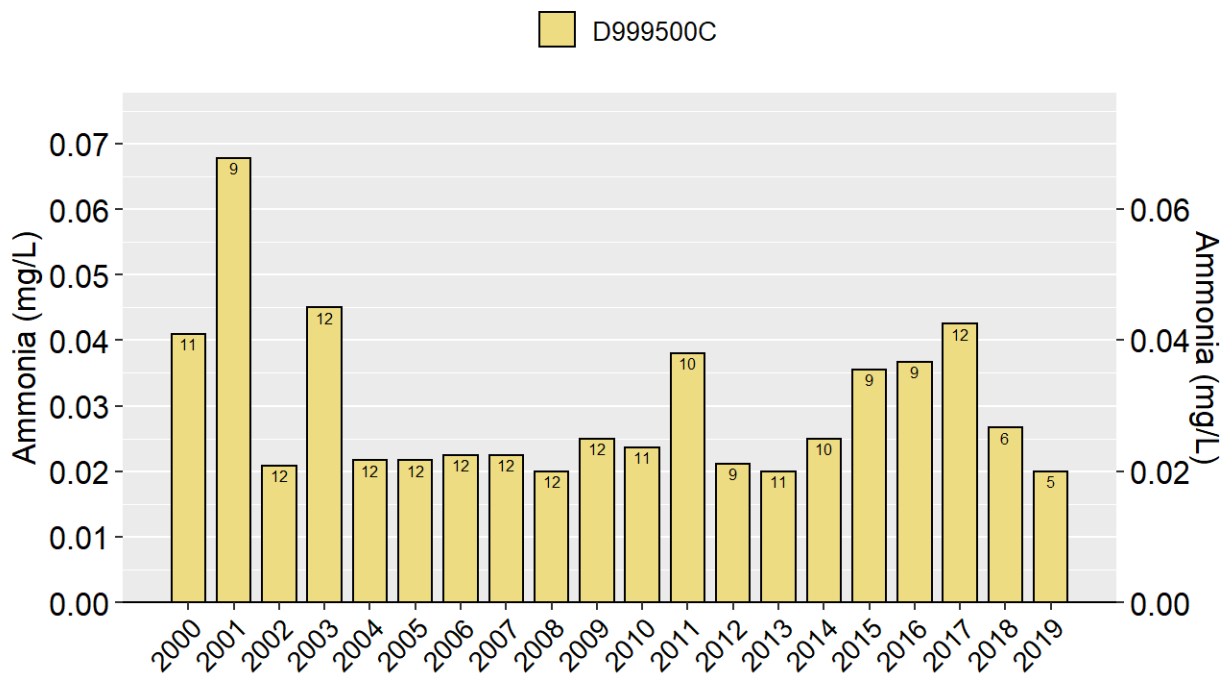
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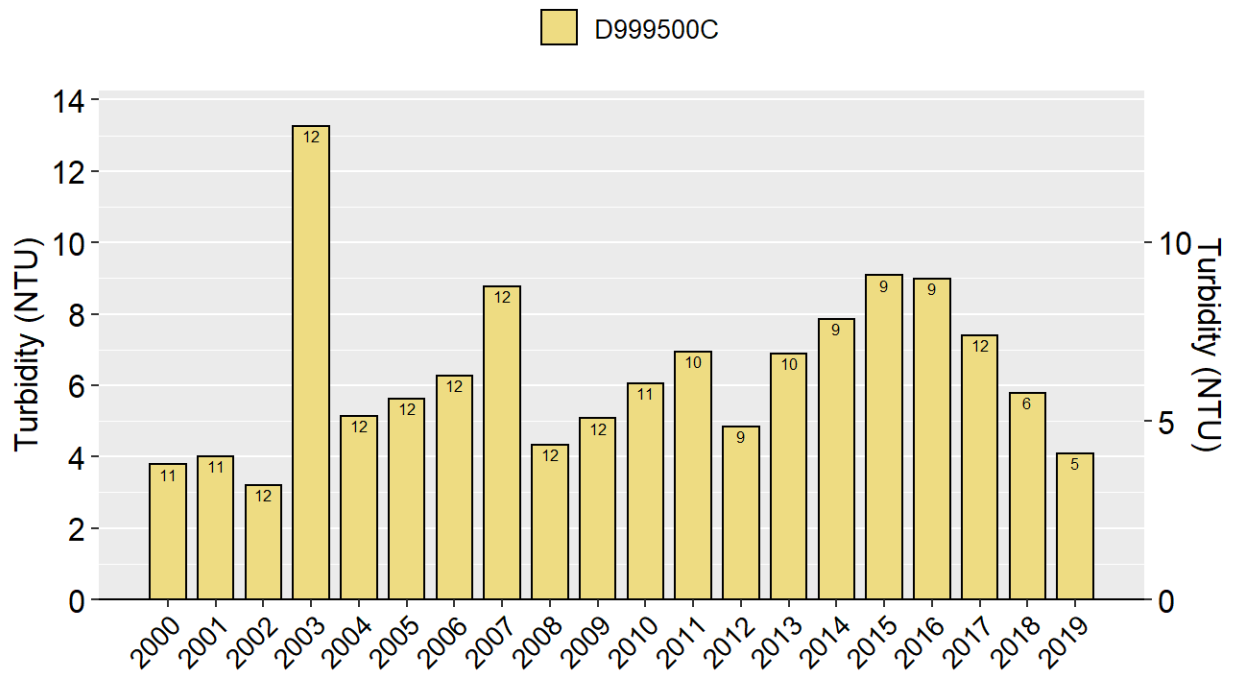
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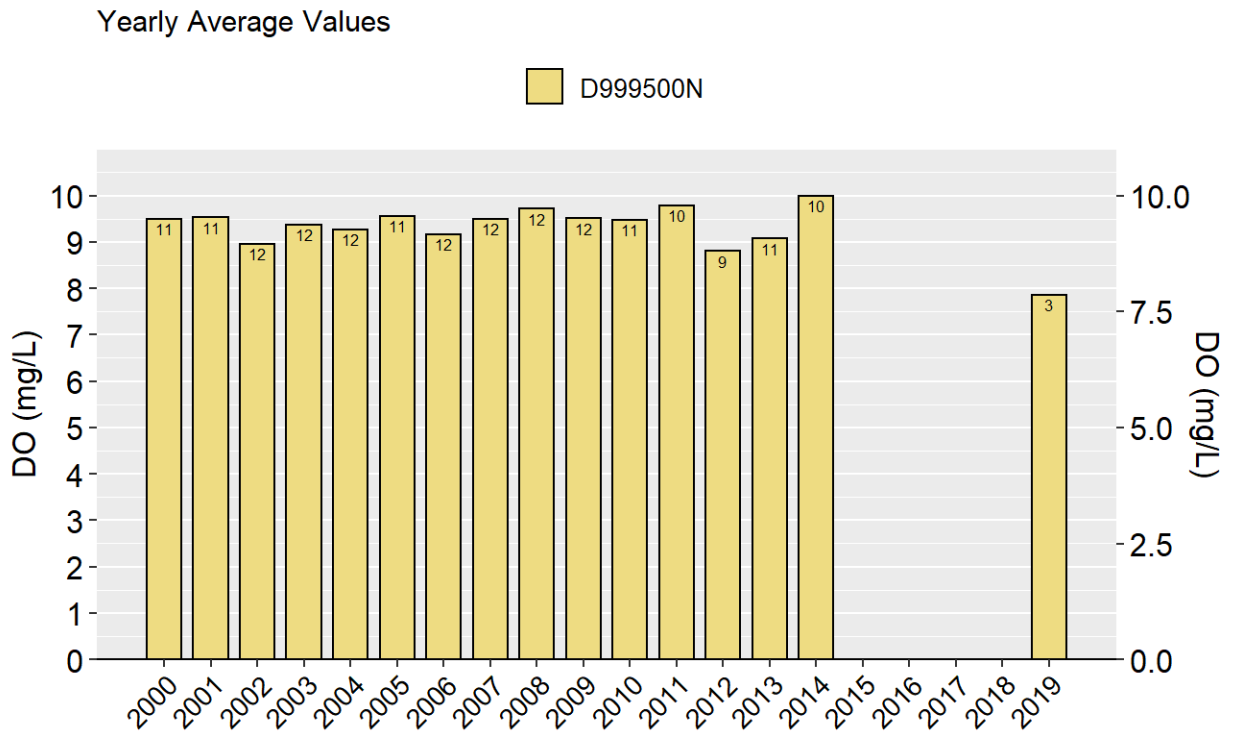
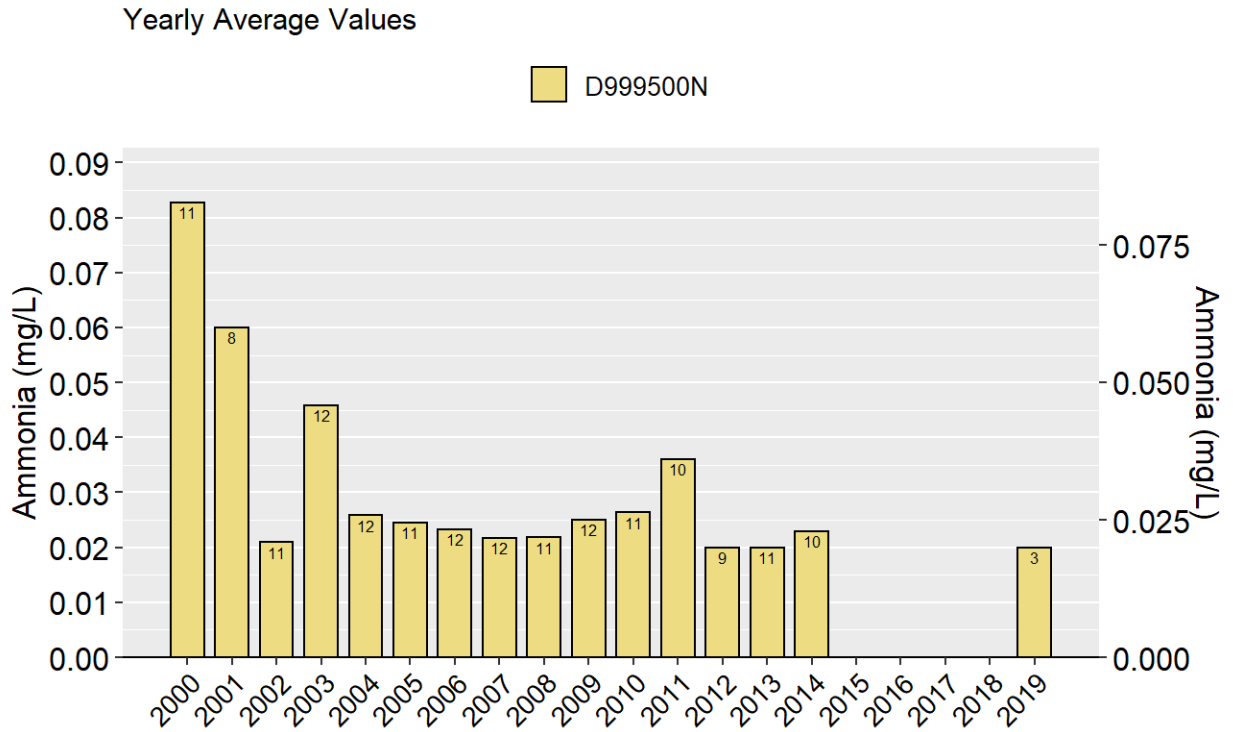


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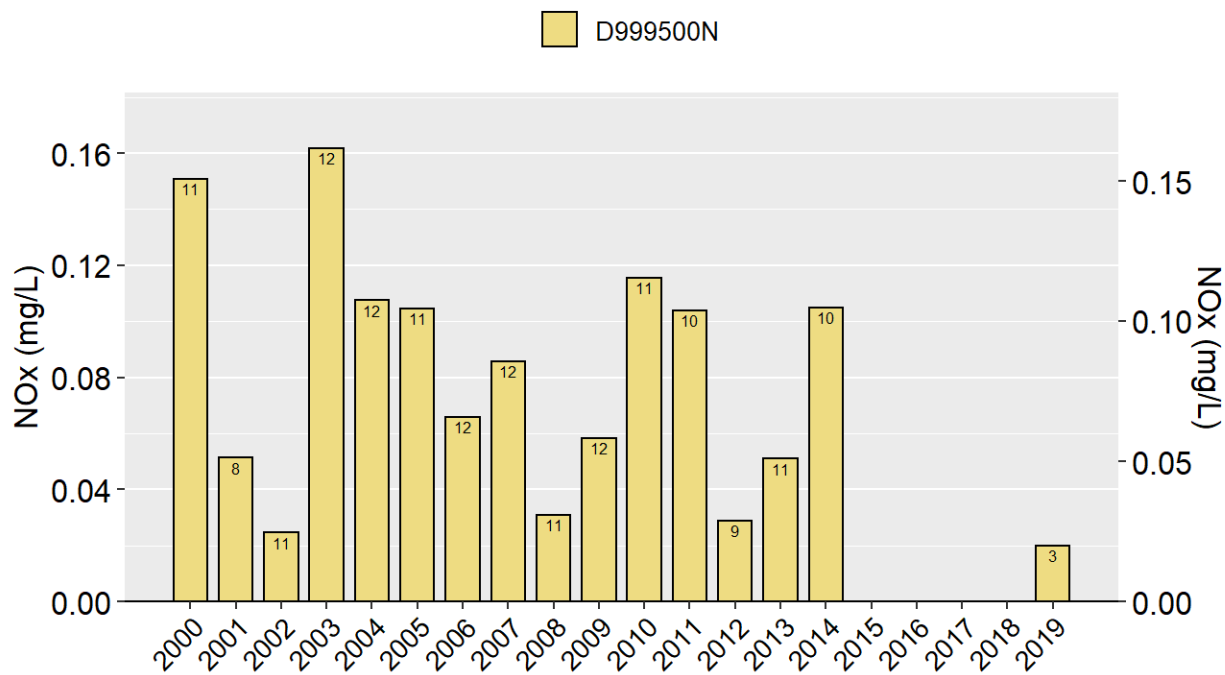


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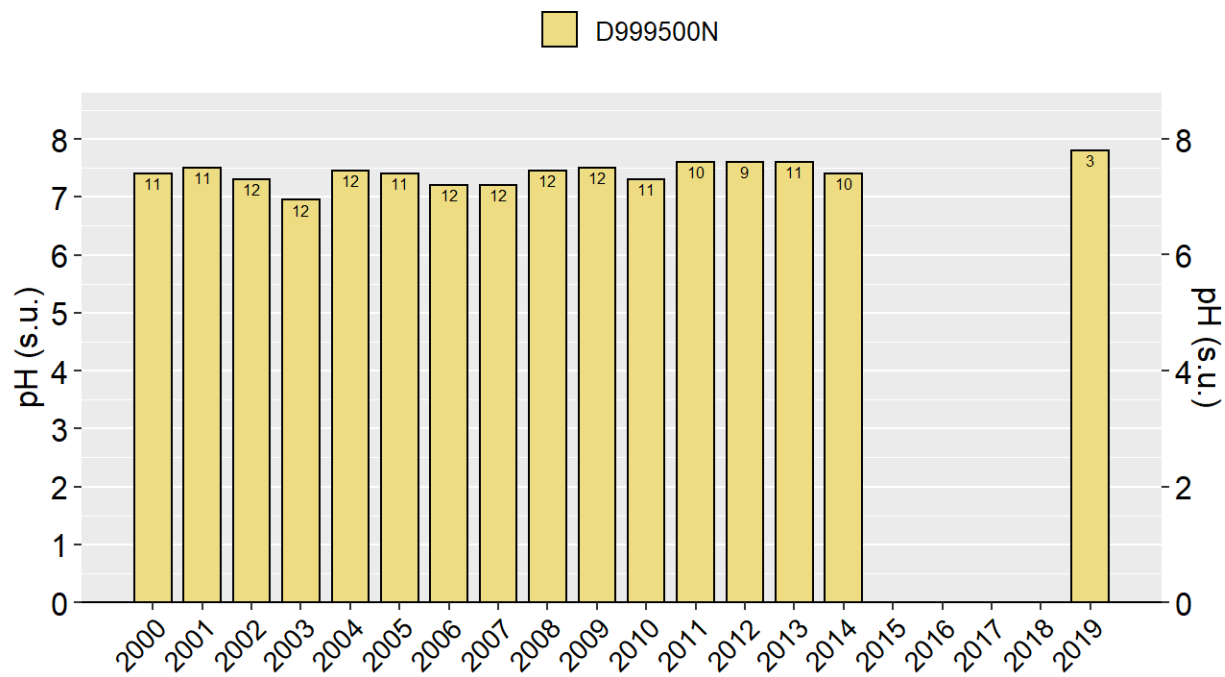




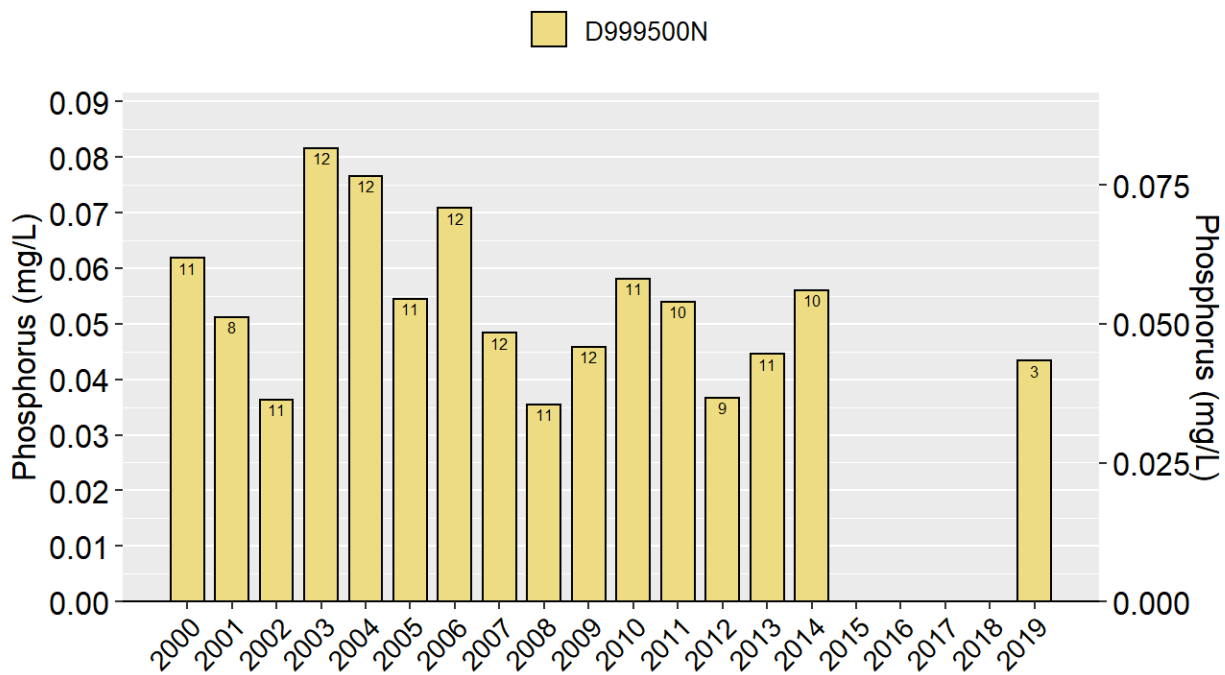
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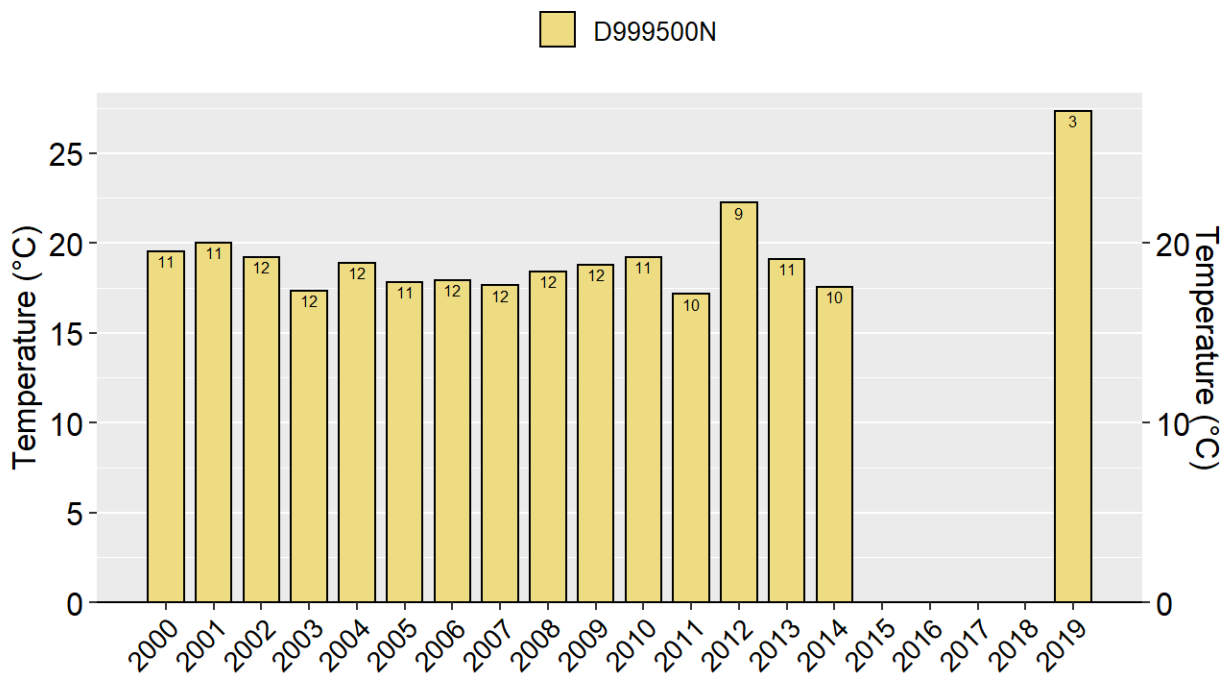
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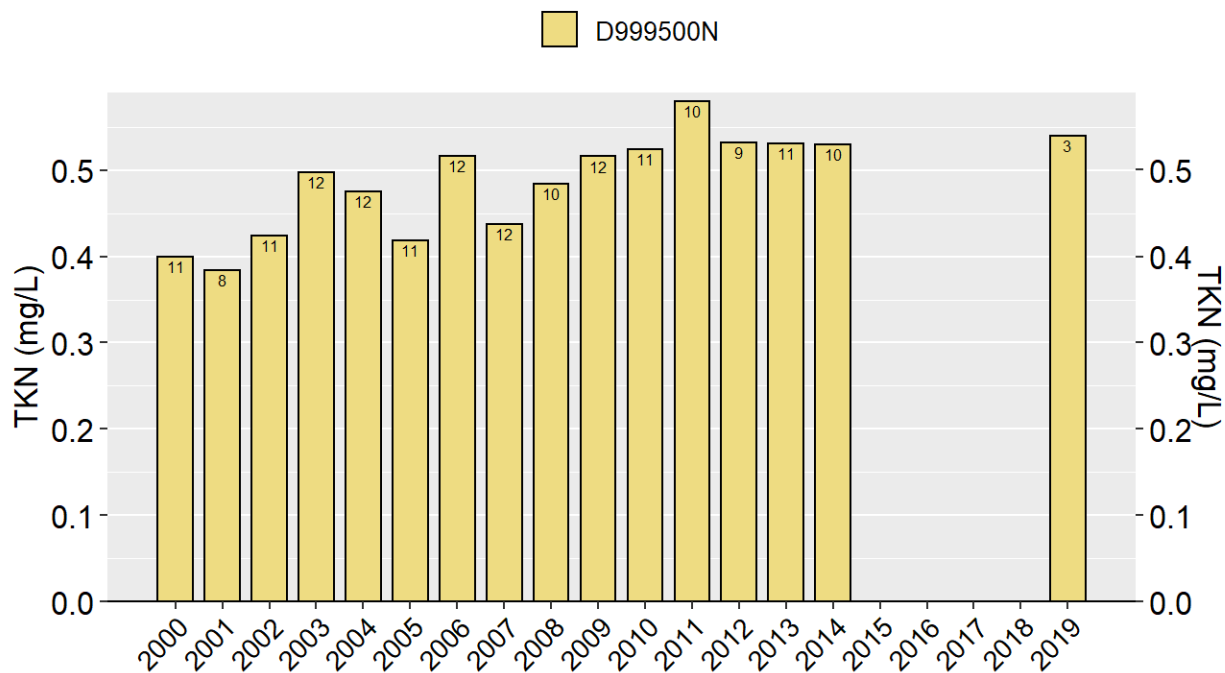
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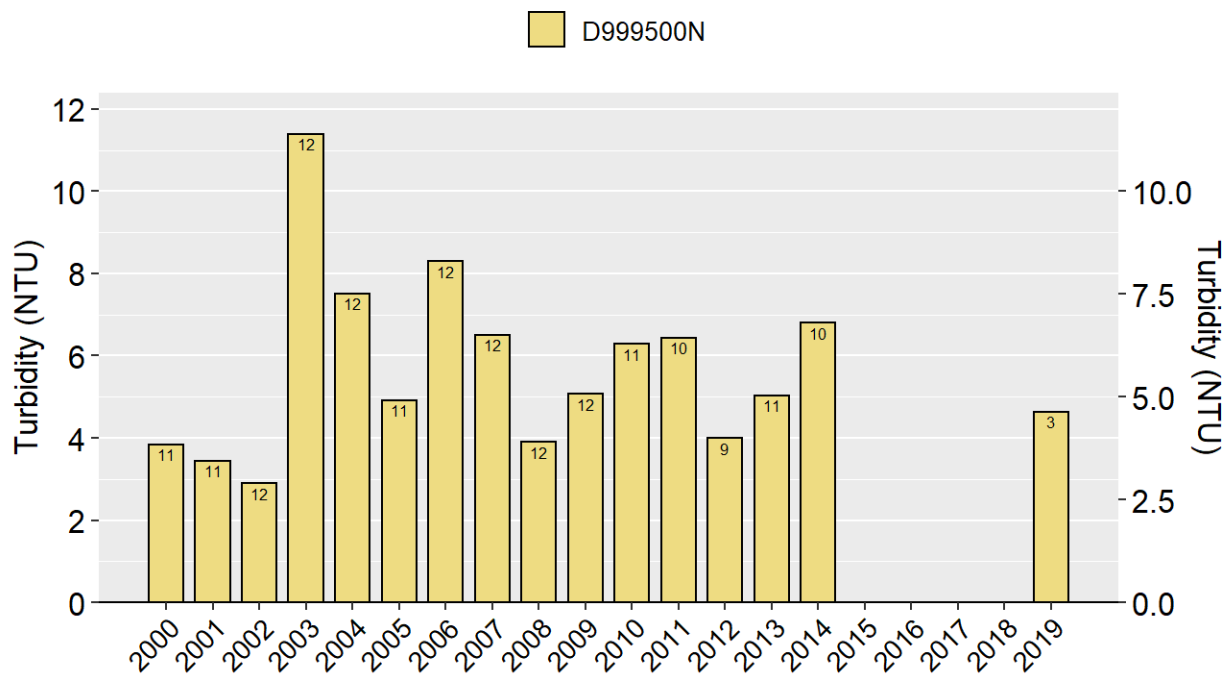
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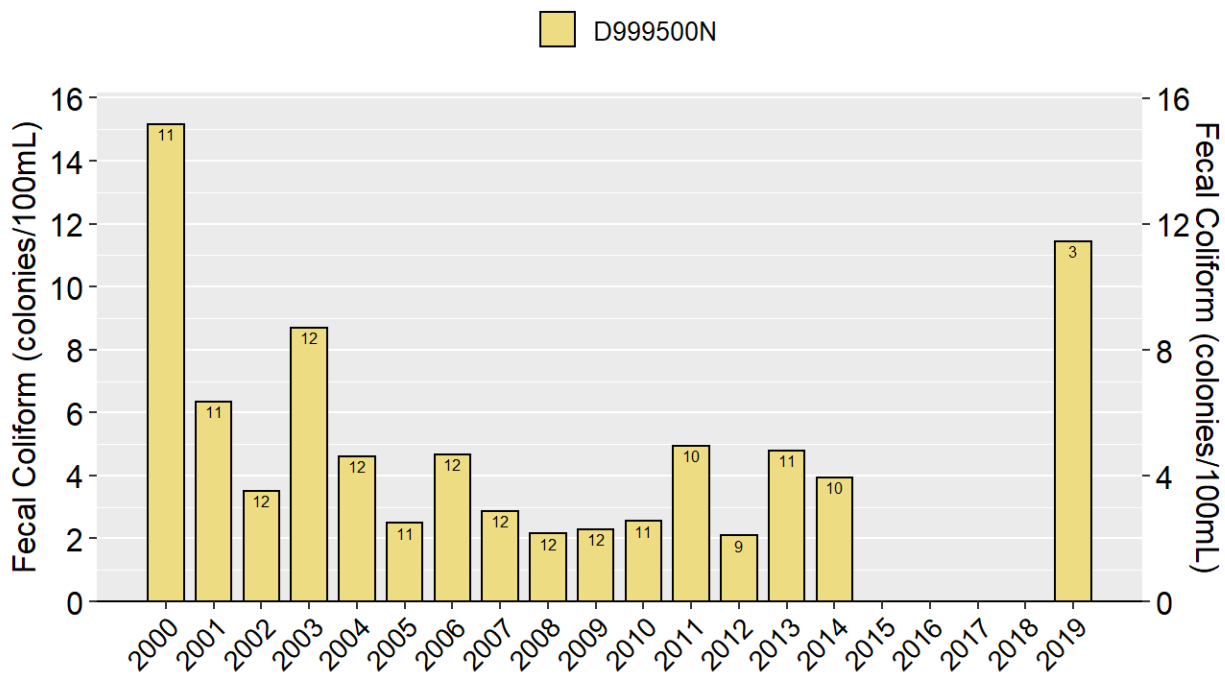
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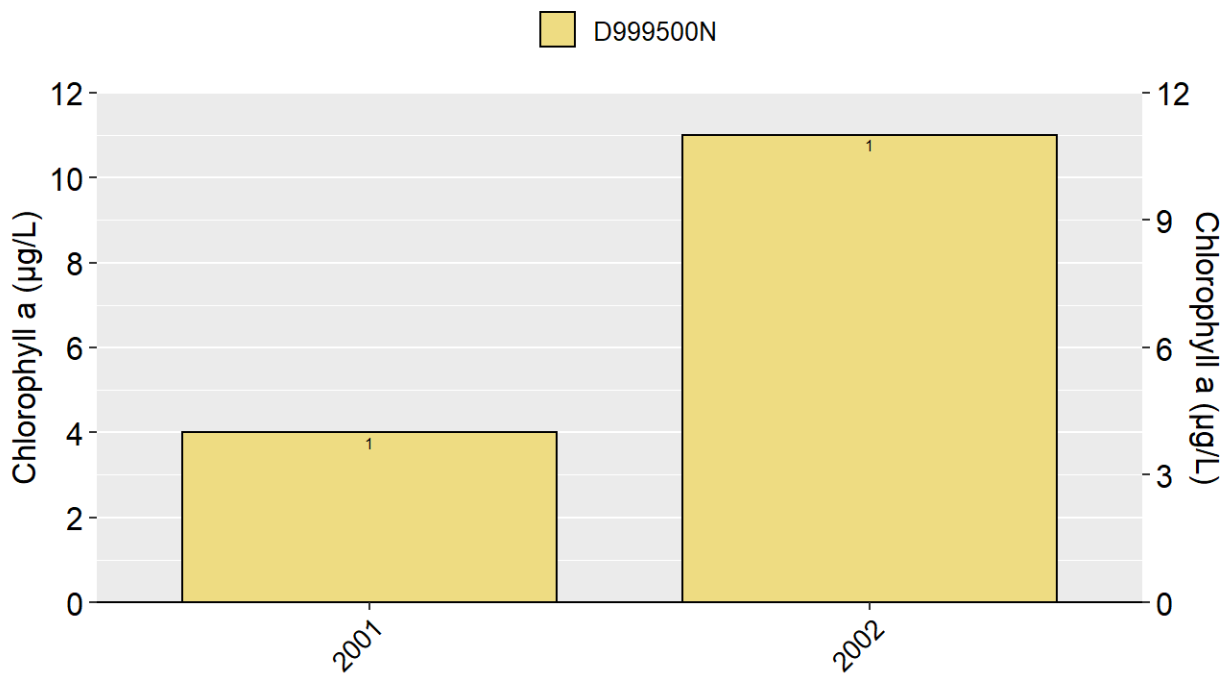
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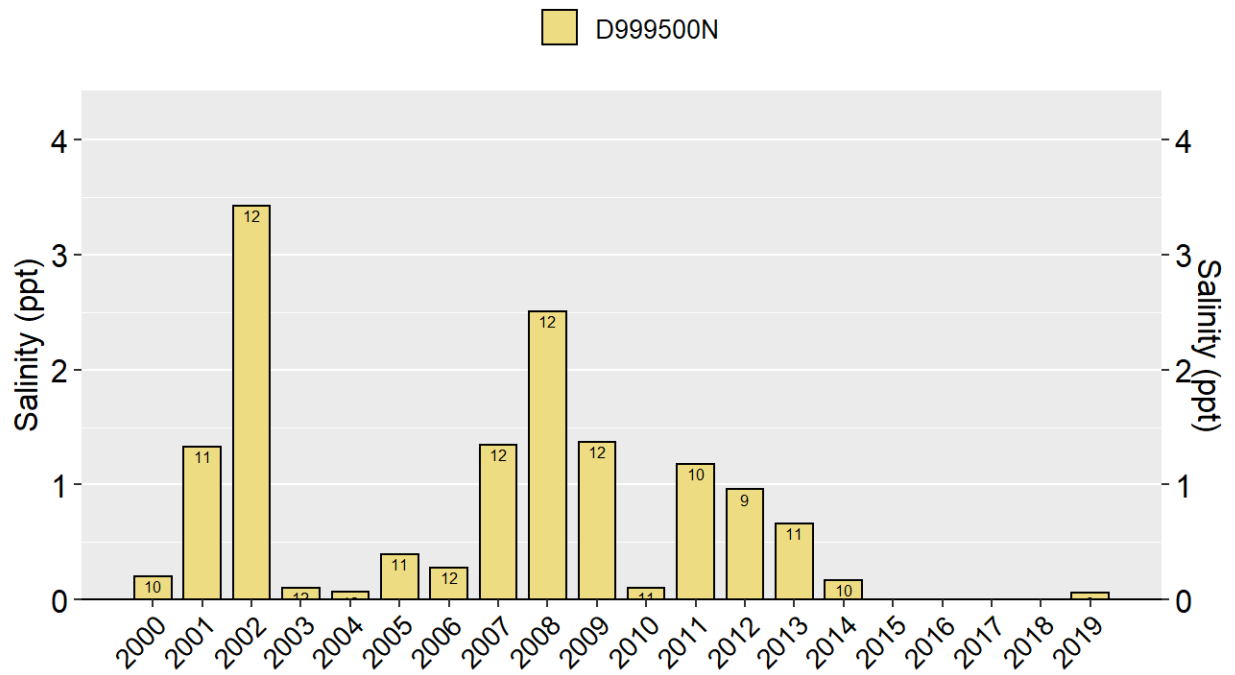
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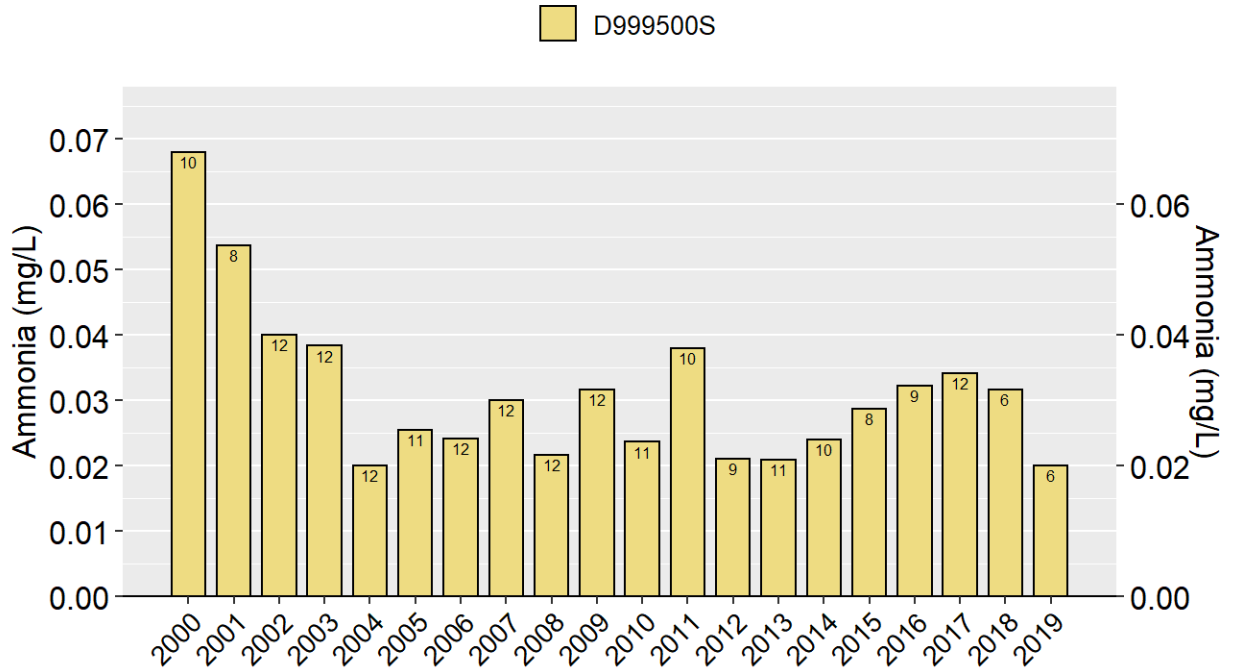
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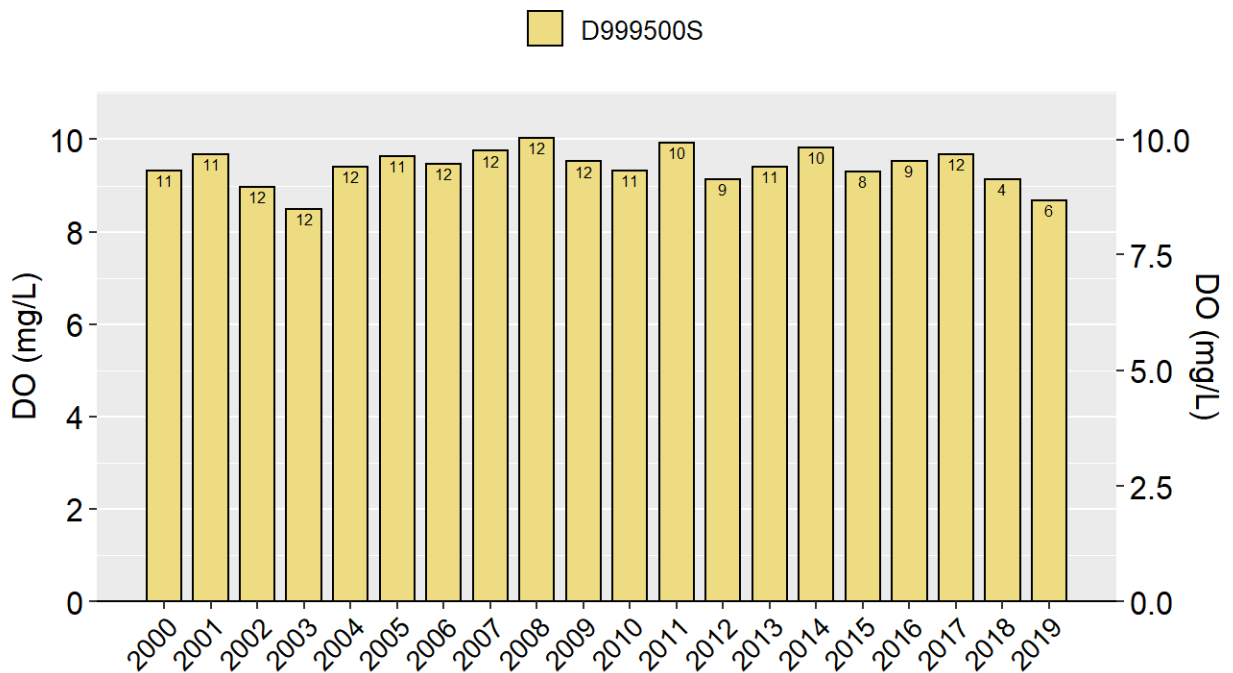
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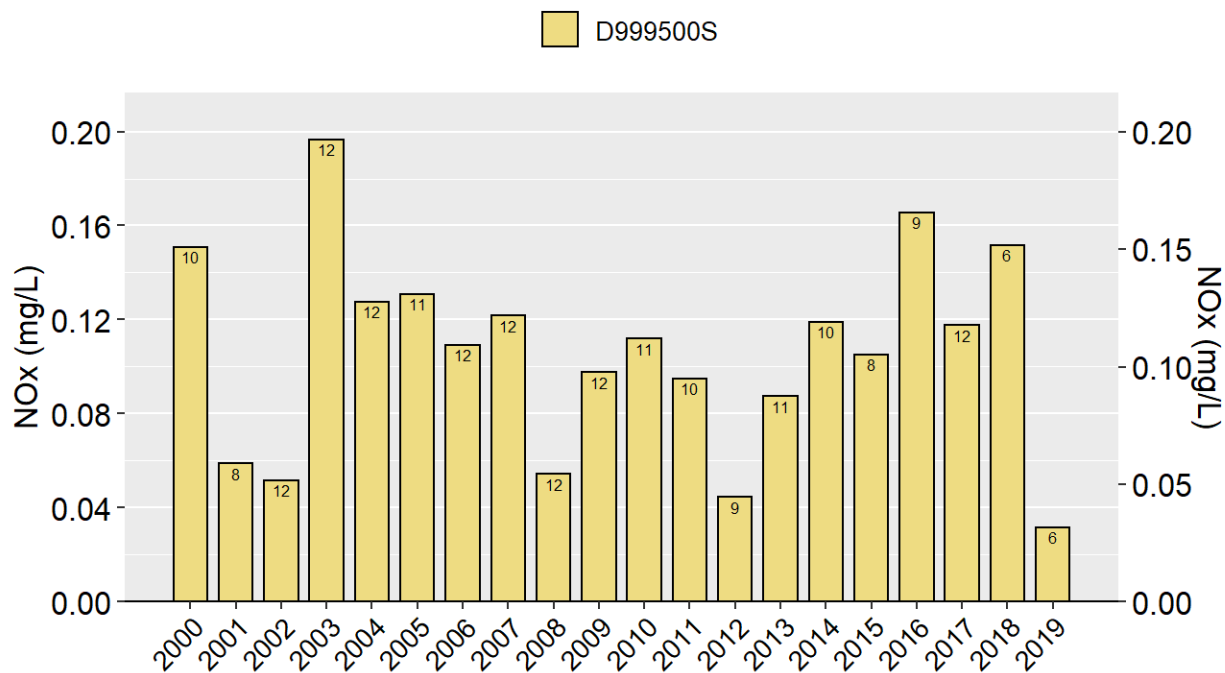
Yearly Average Values



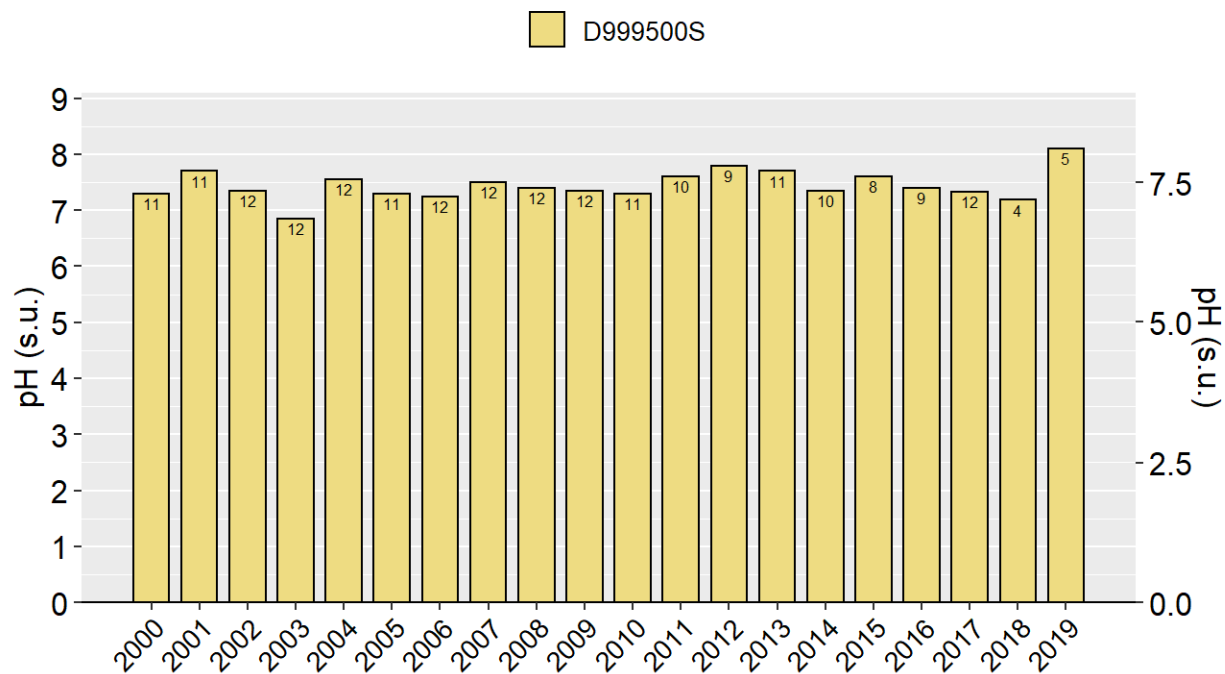
Yearly Average Values



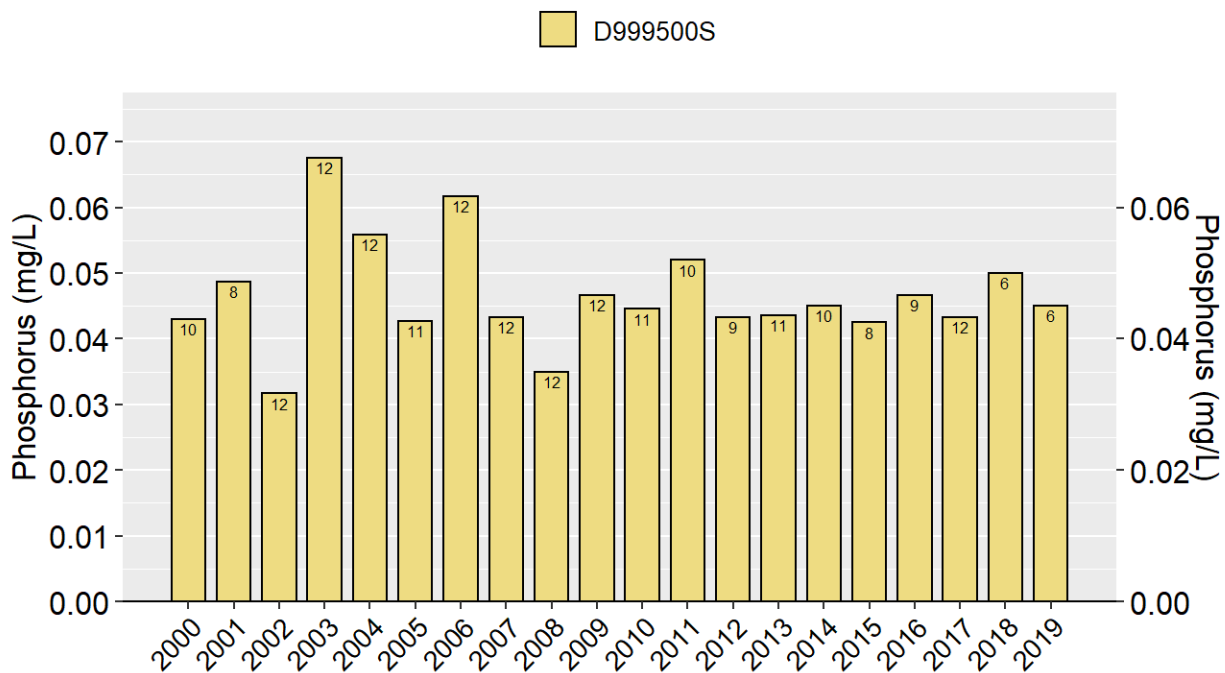
Yearly Average Values



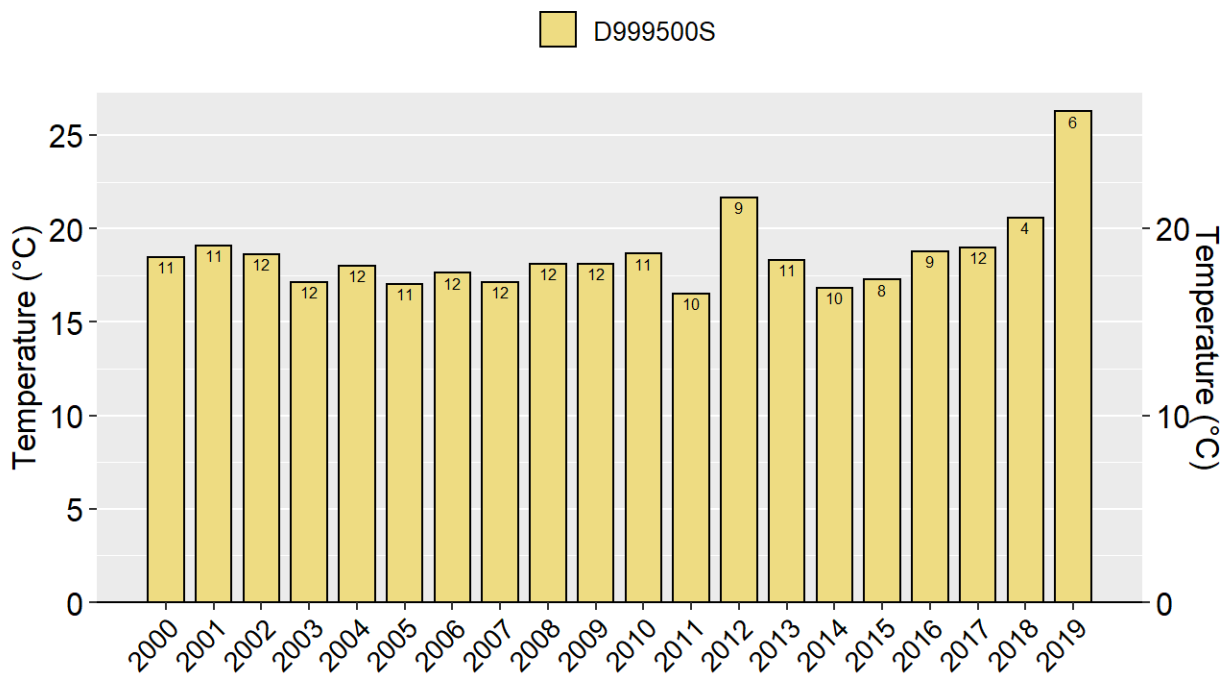
Yearly Median Values



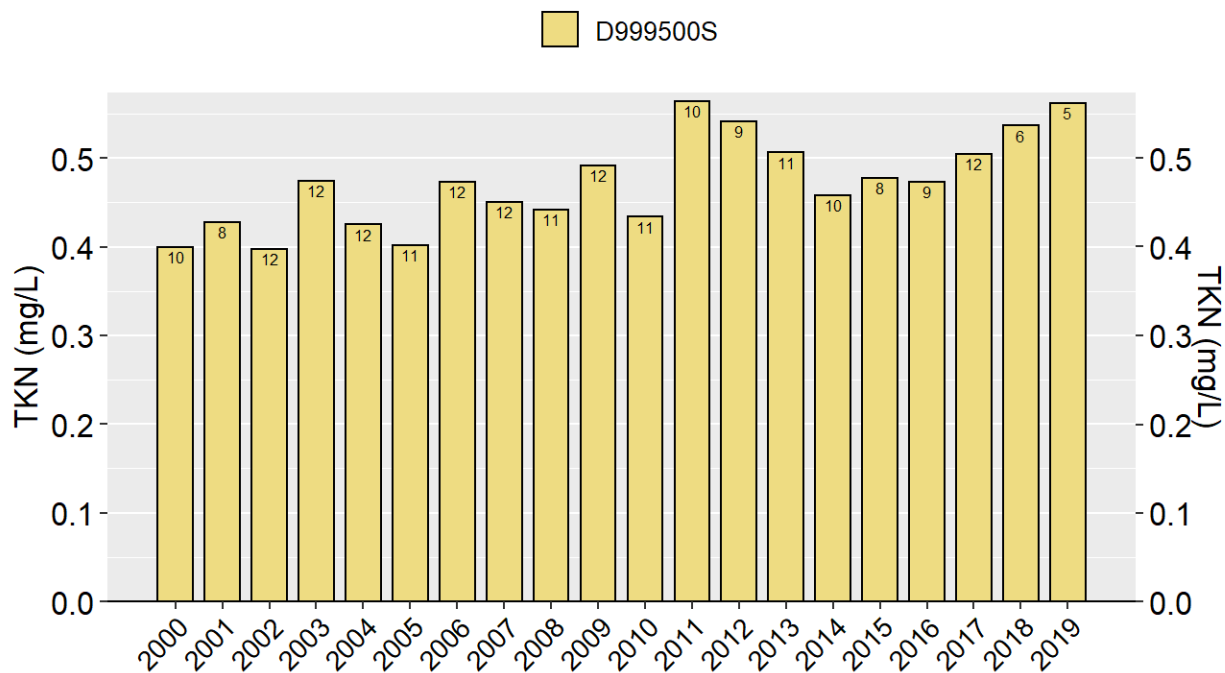
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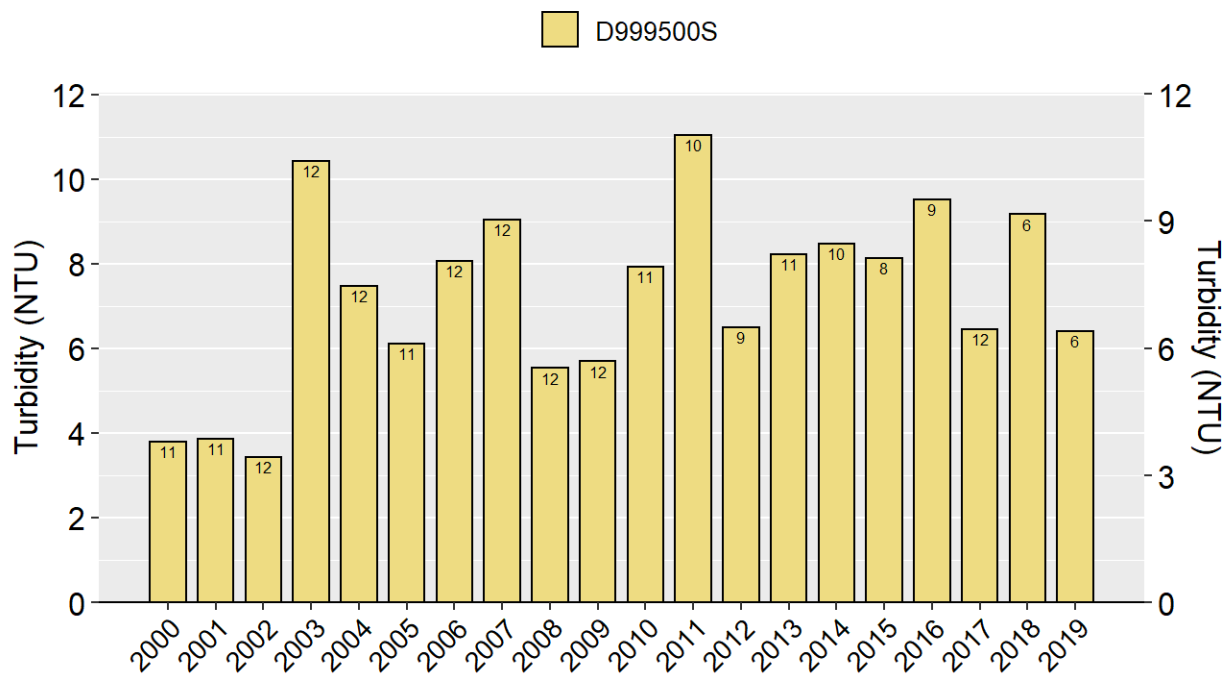
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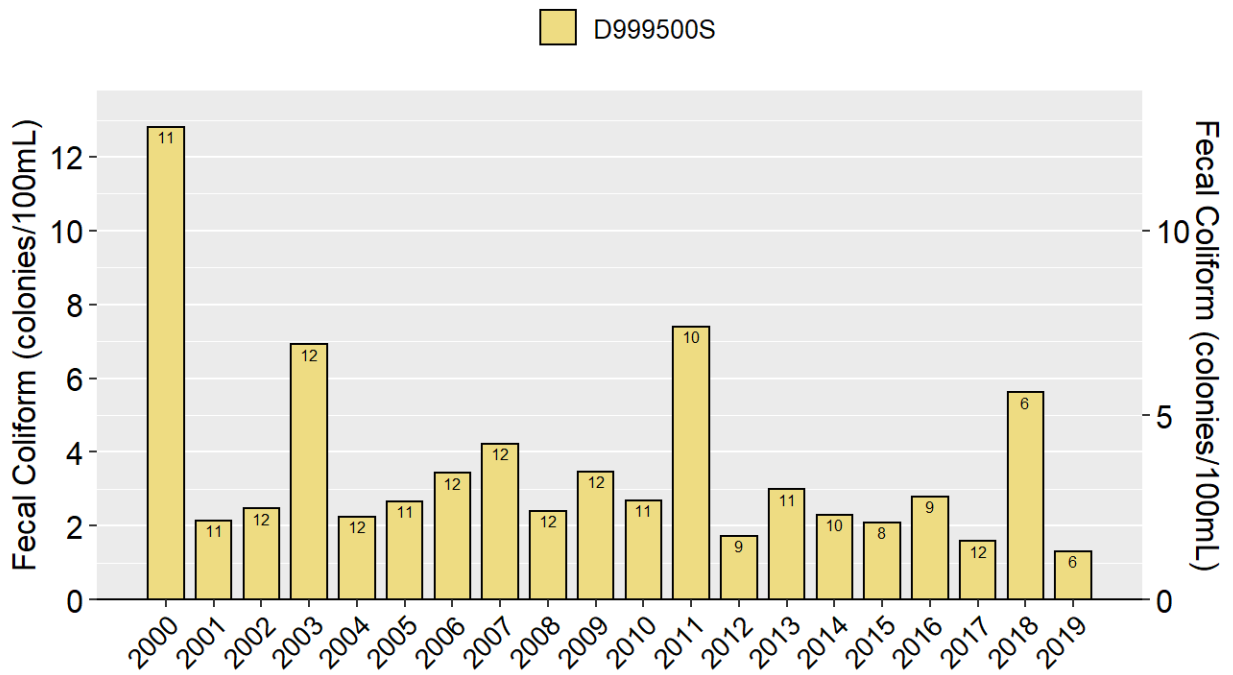
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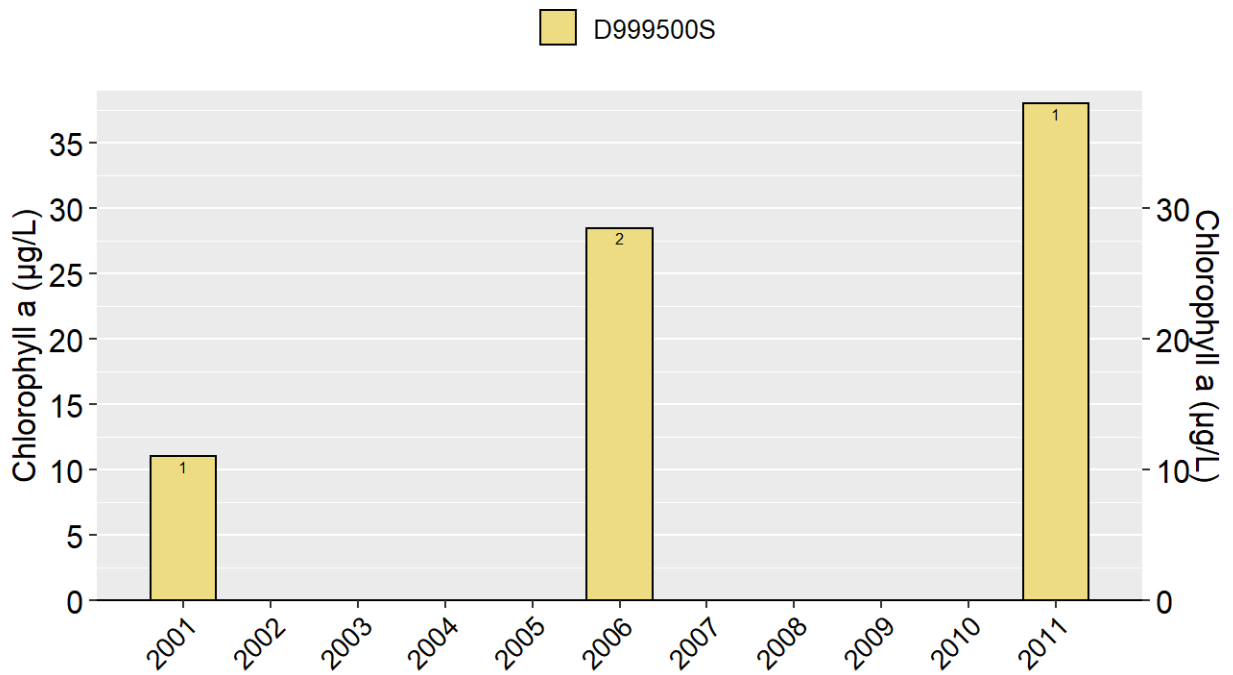
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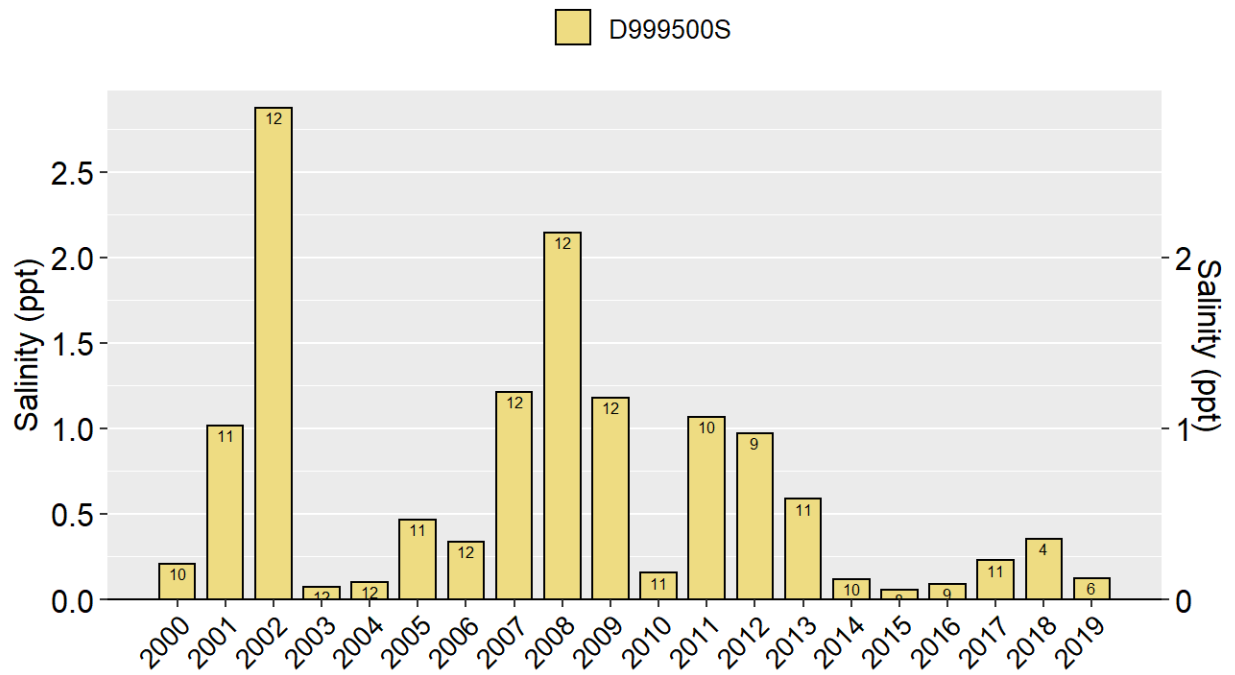
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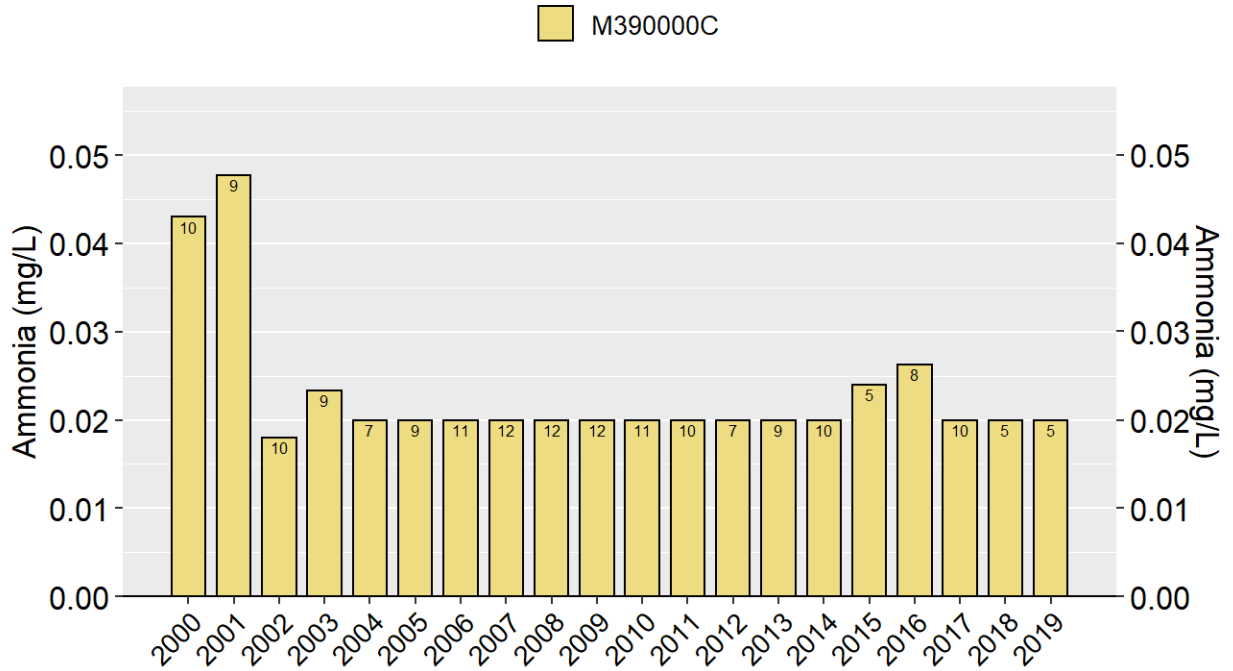
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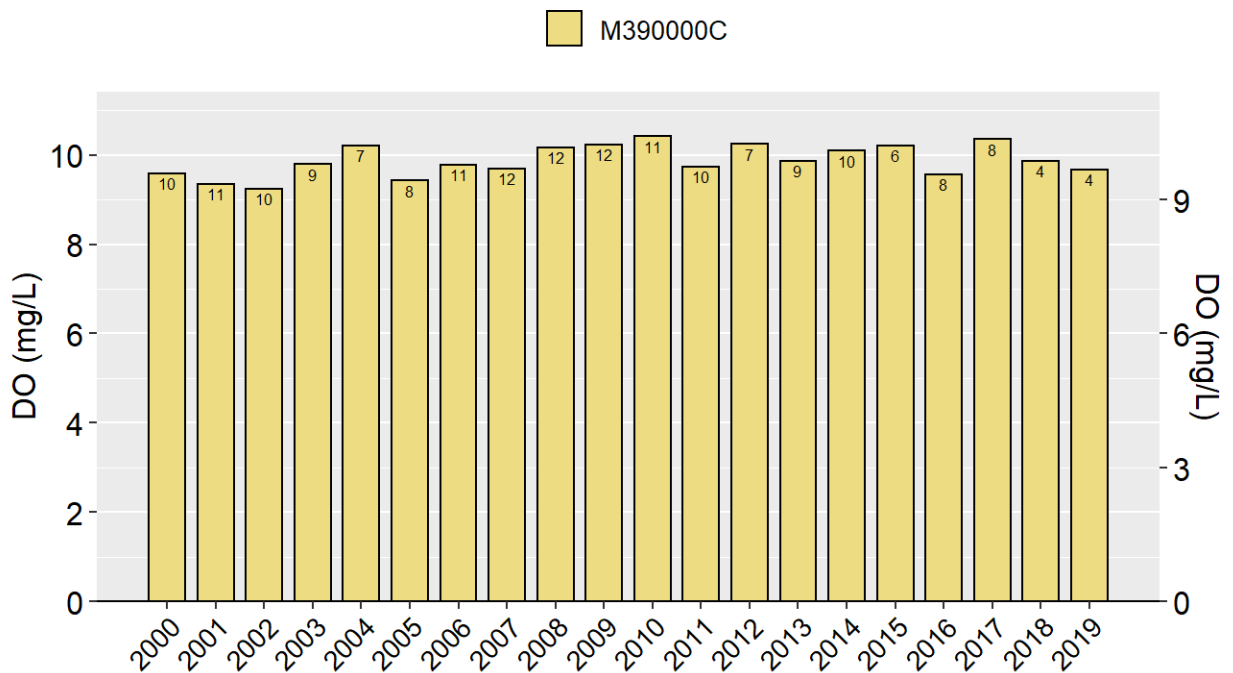
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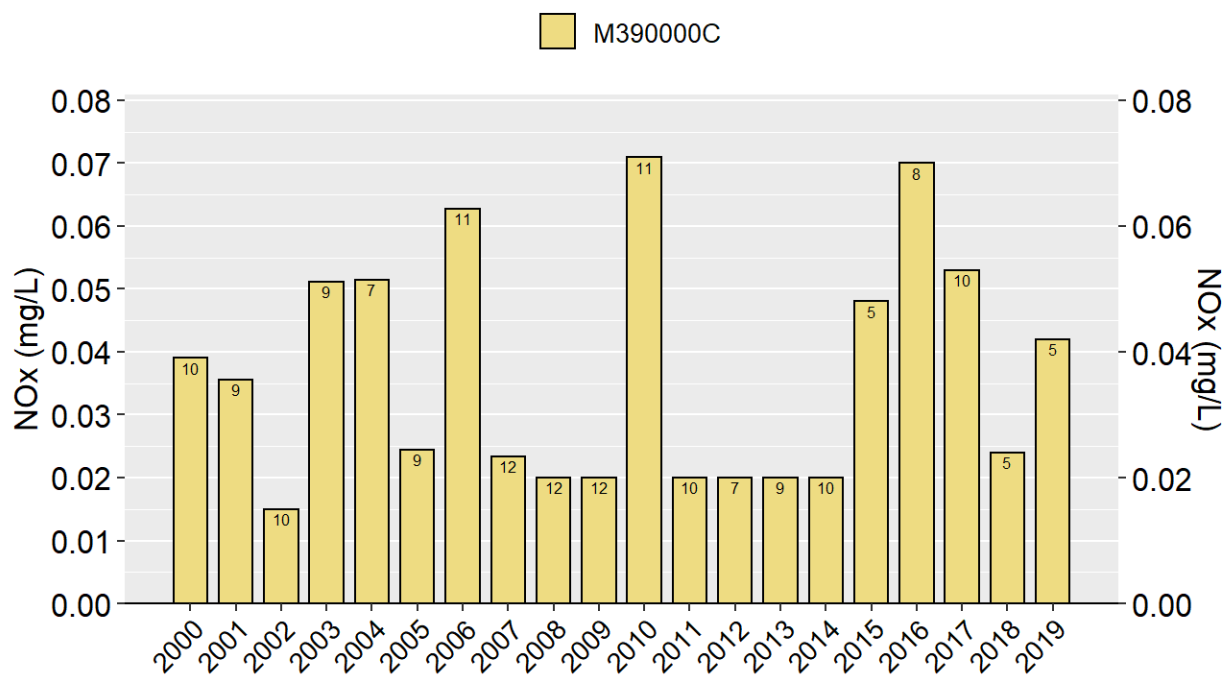
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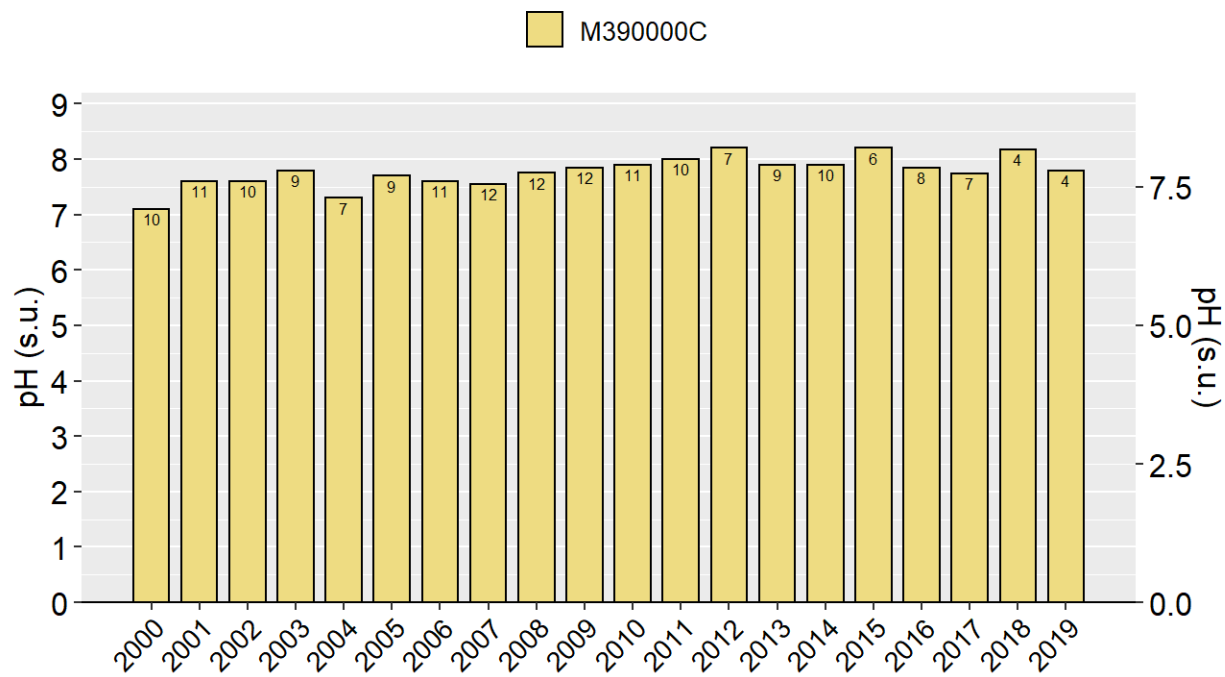
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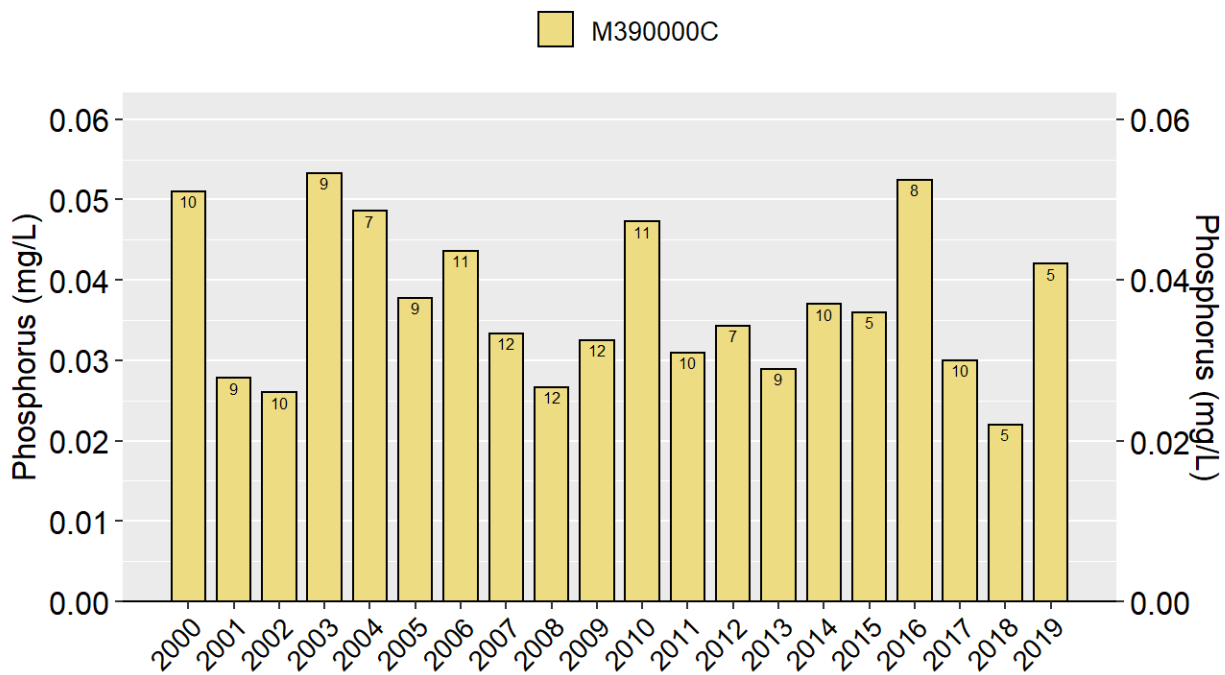
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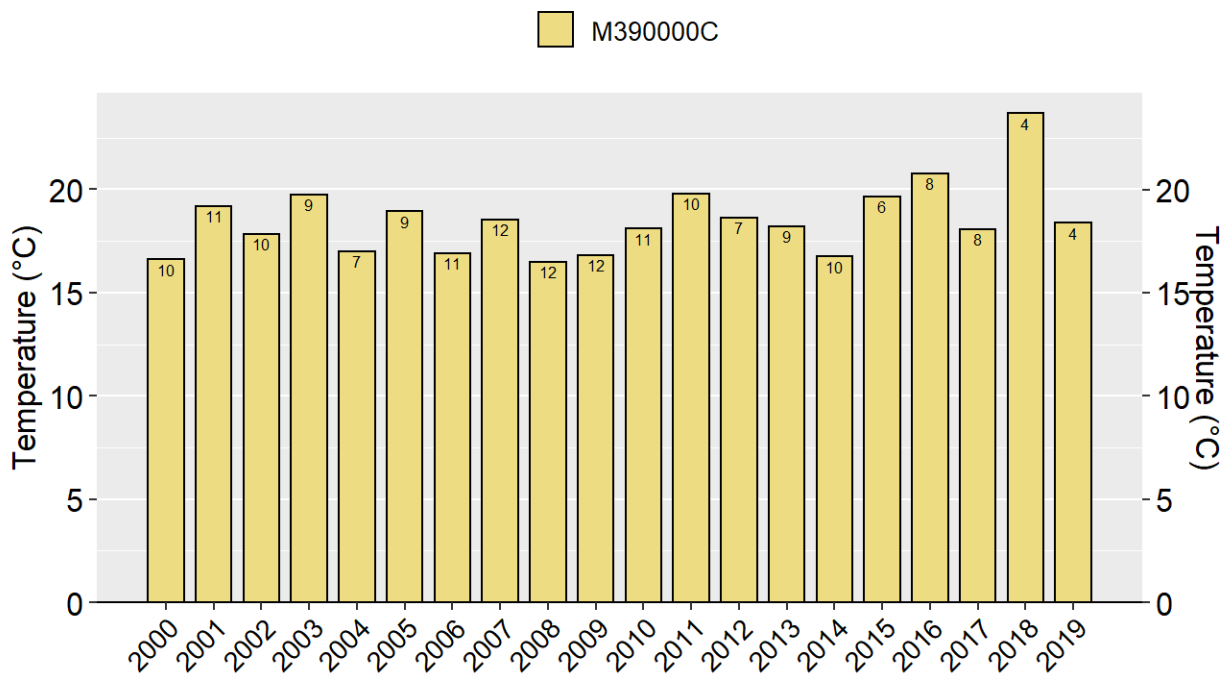
Yearly Median Values



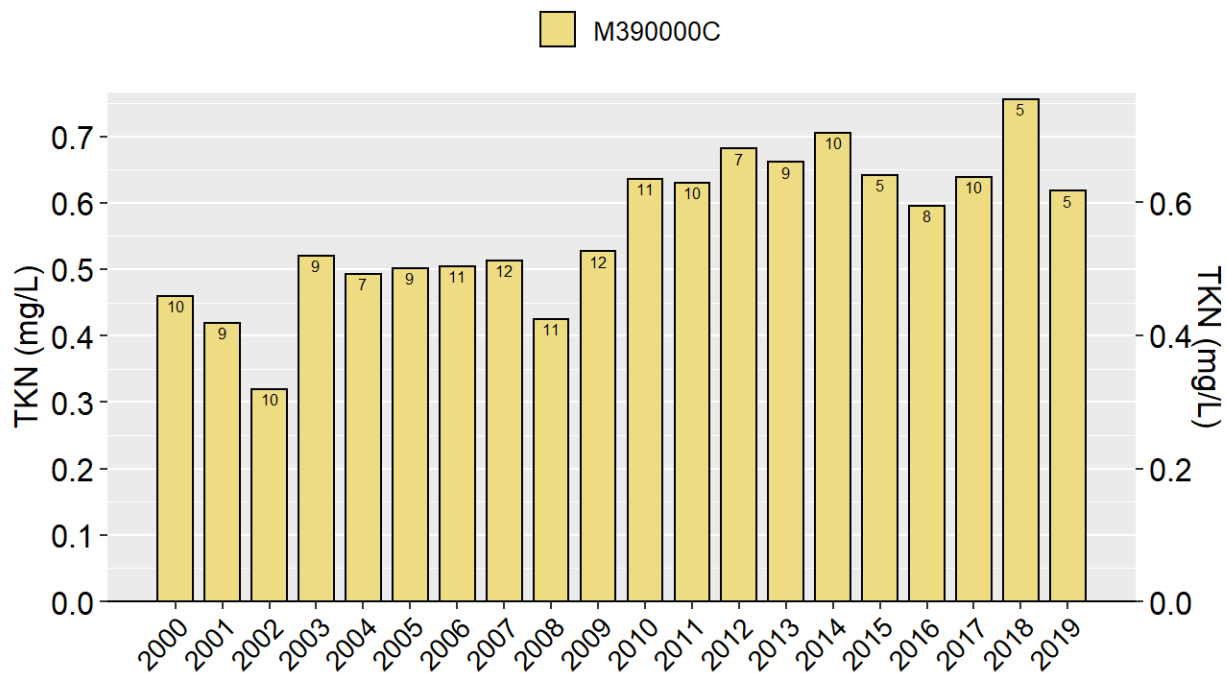
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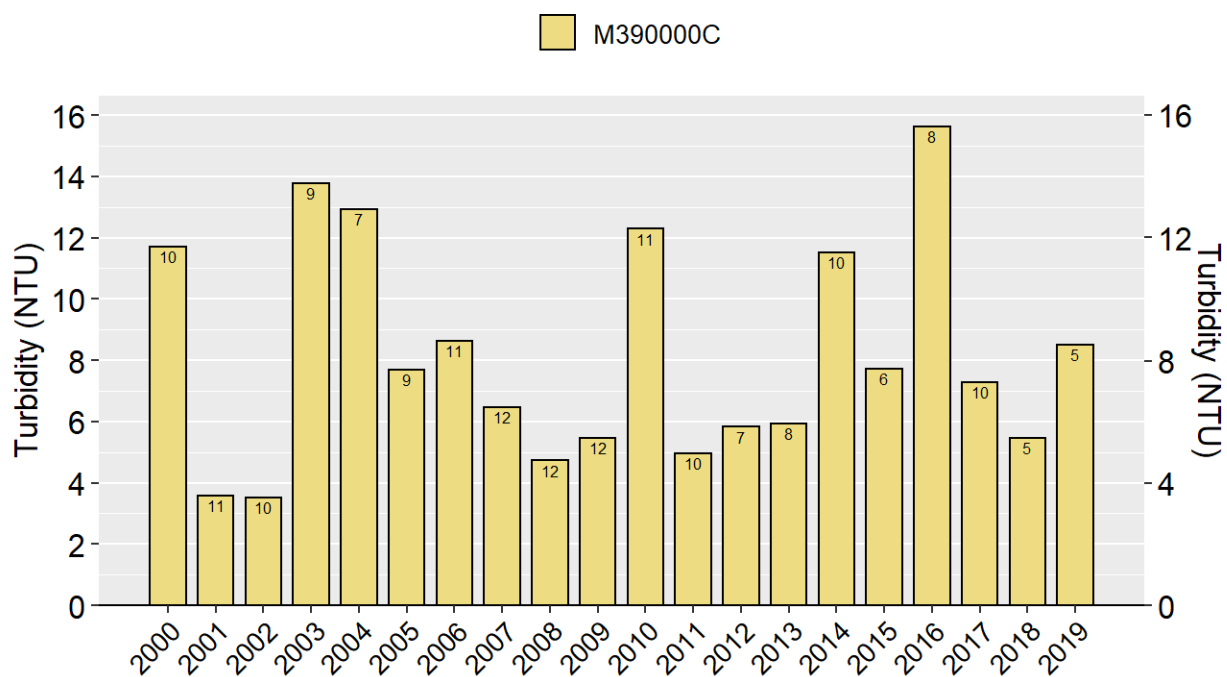
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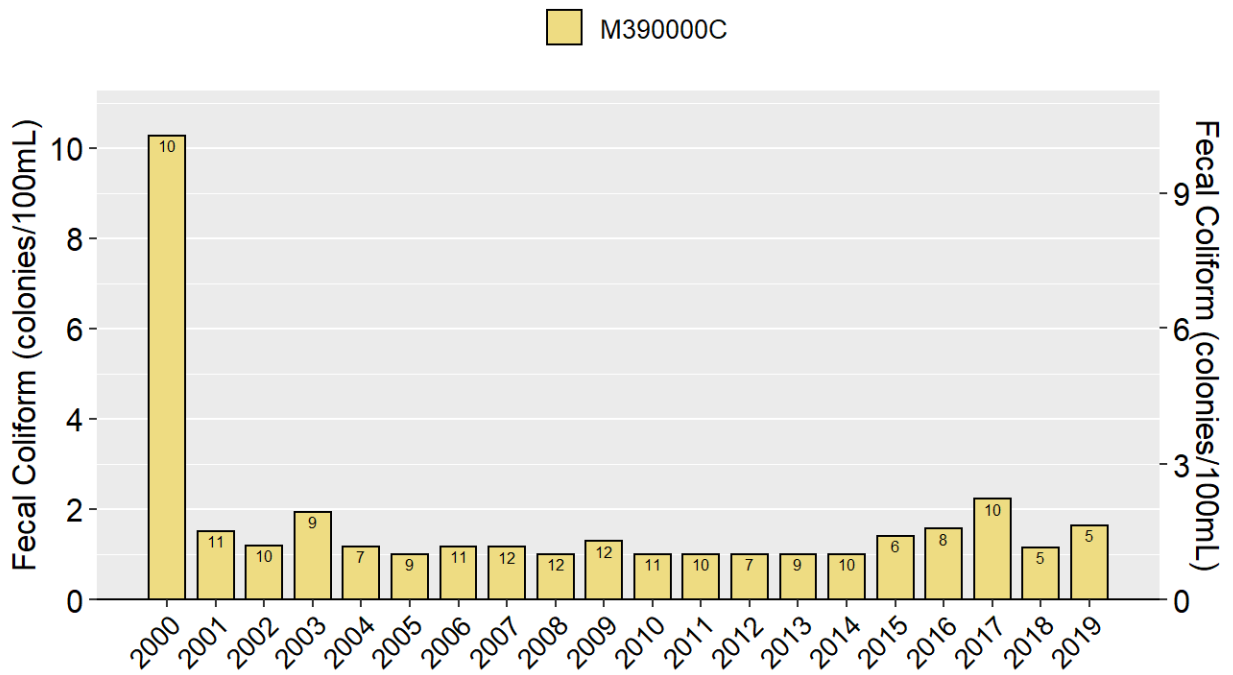
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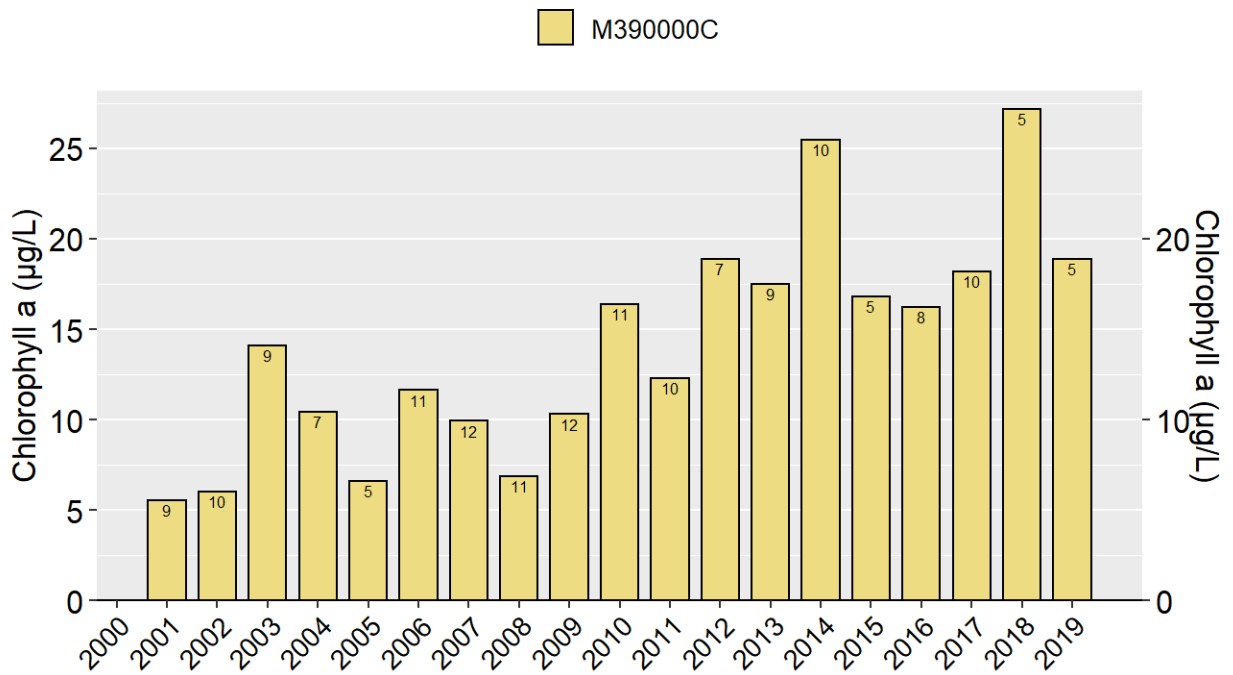
Yearly Average Values



Yearly Geometric Mean Values

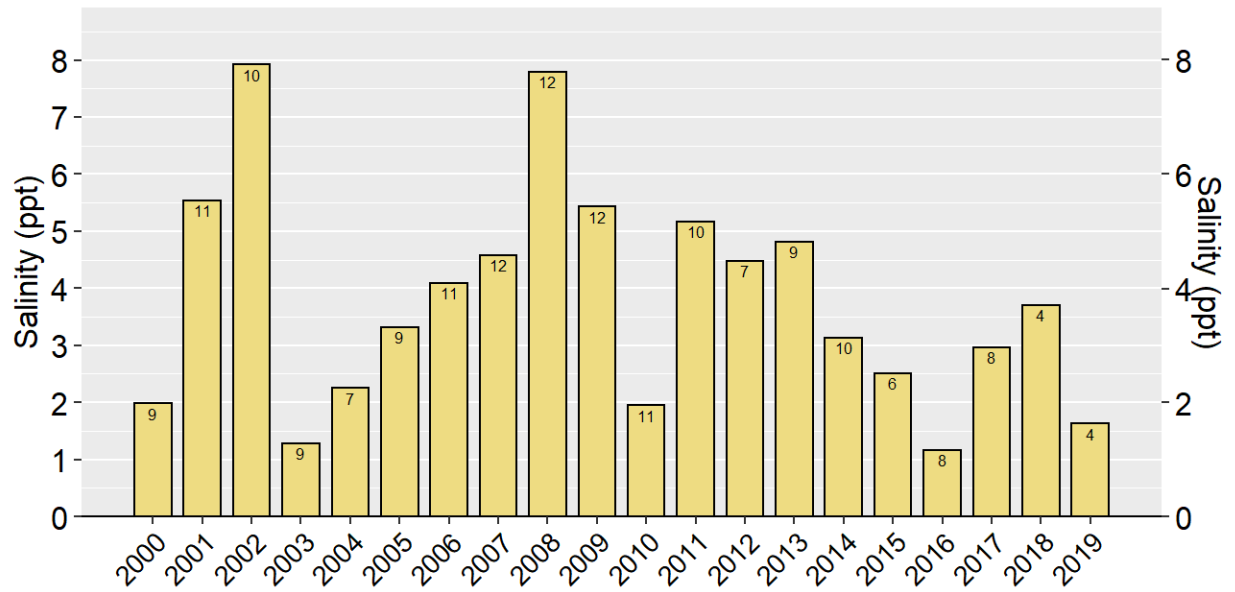


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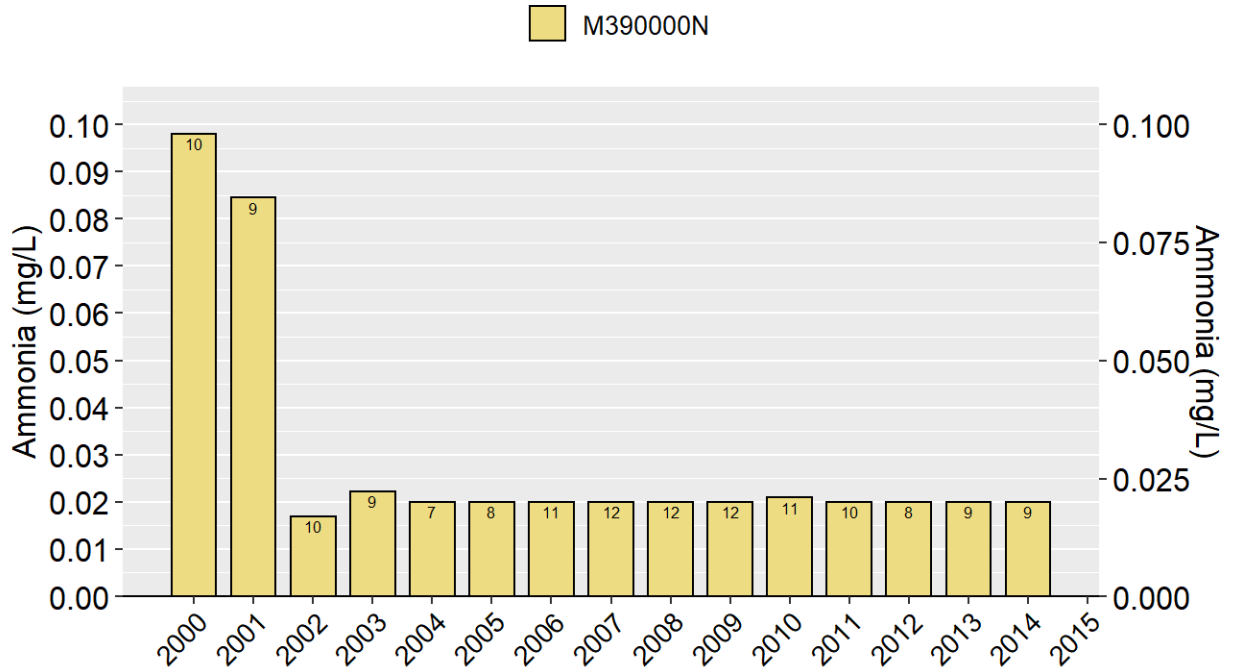


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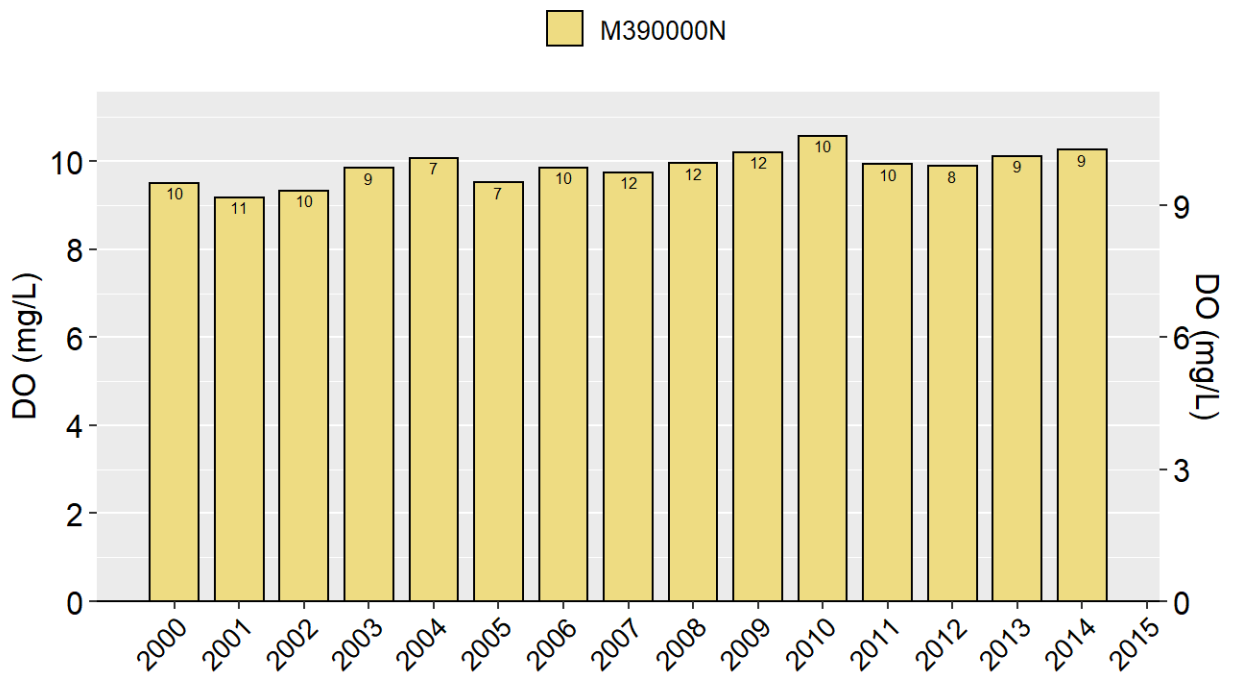
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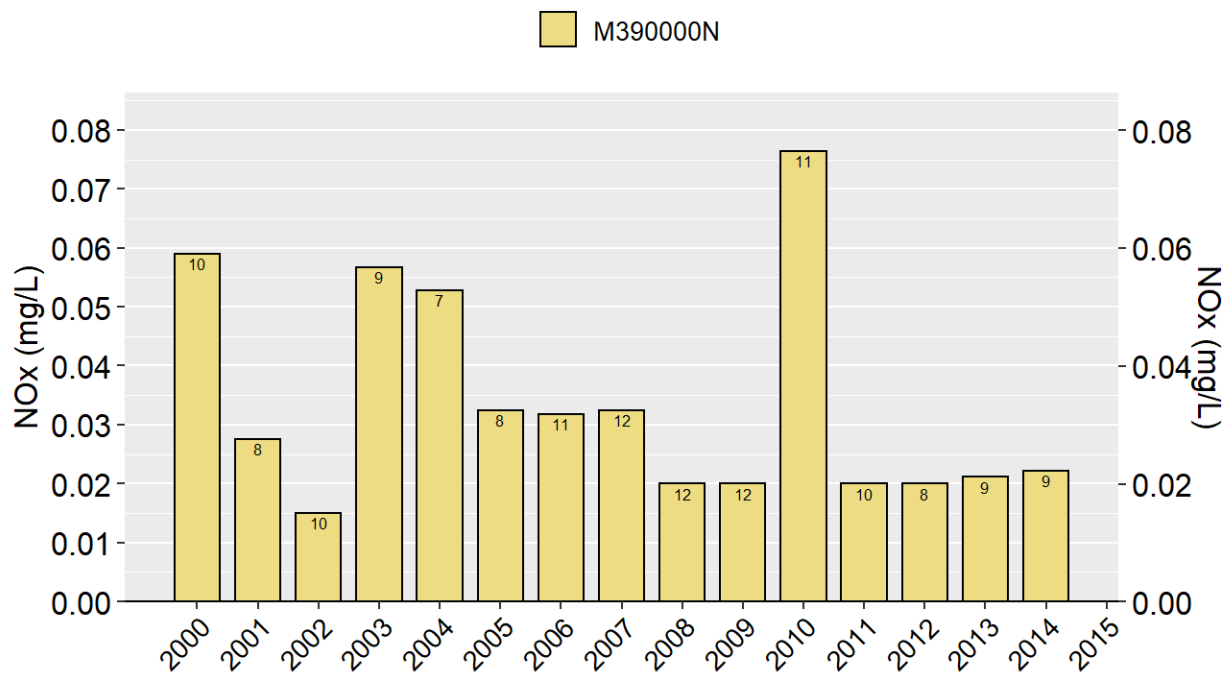
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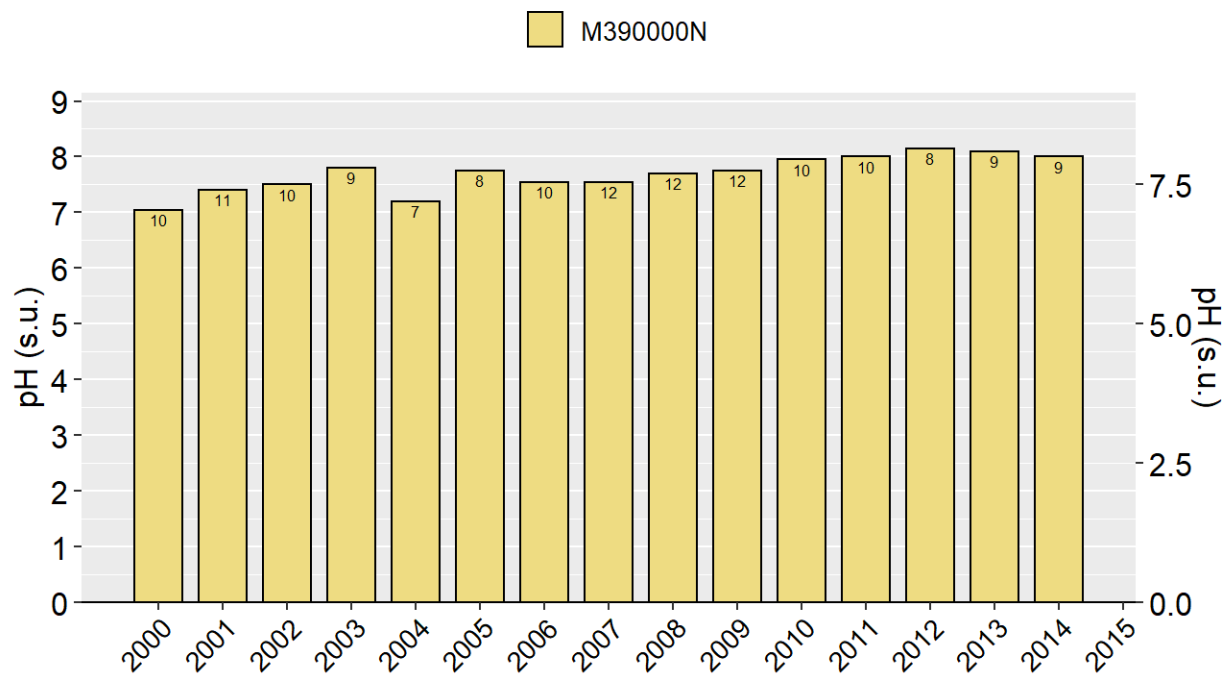
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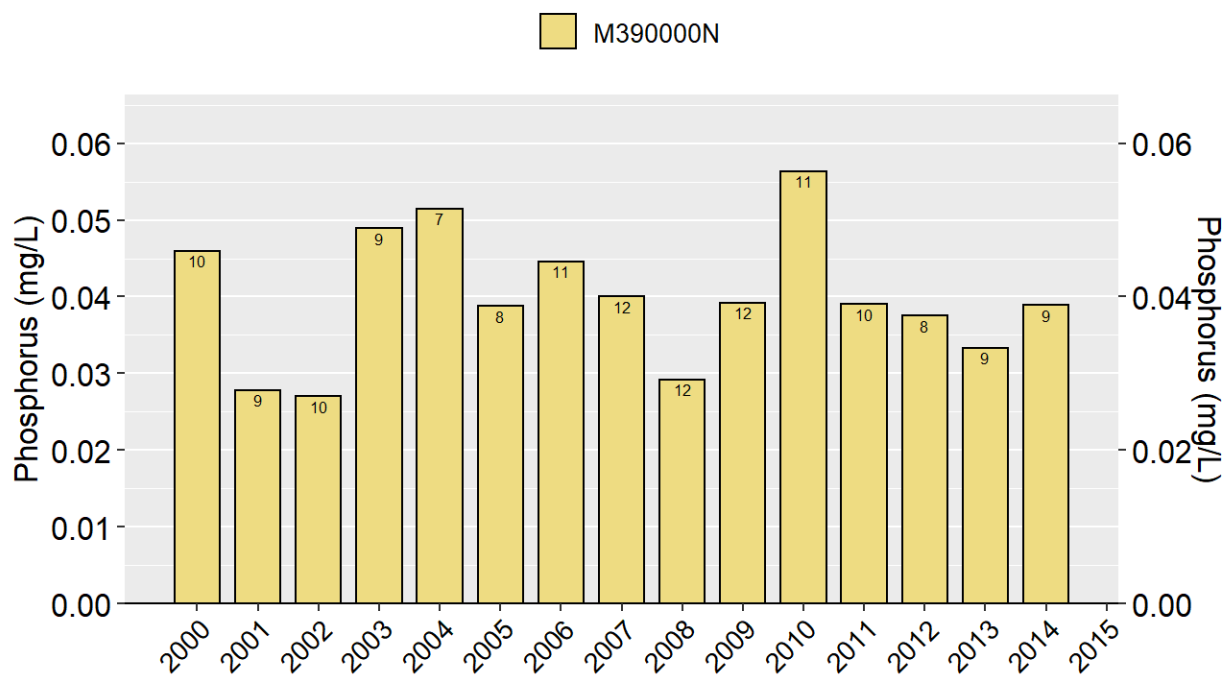
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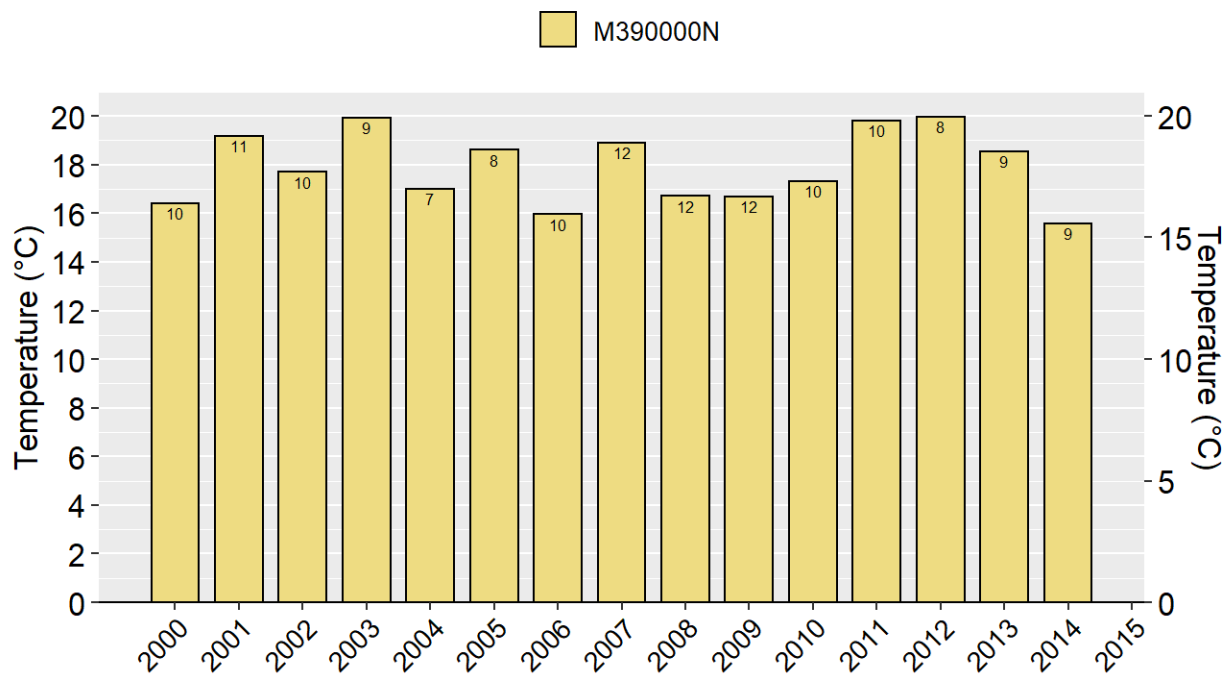
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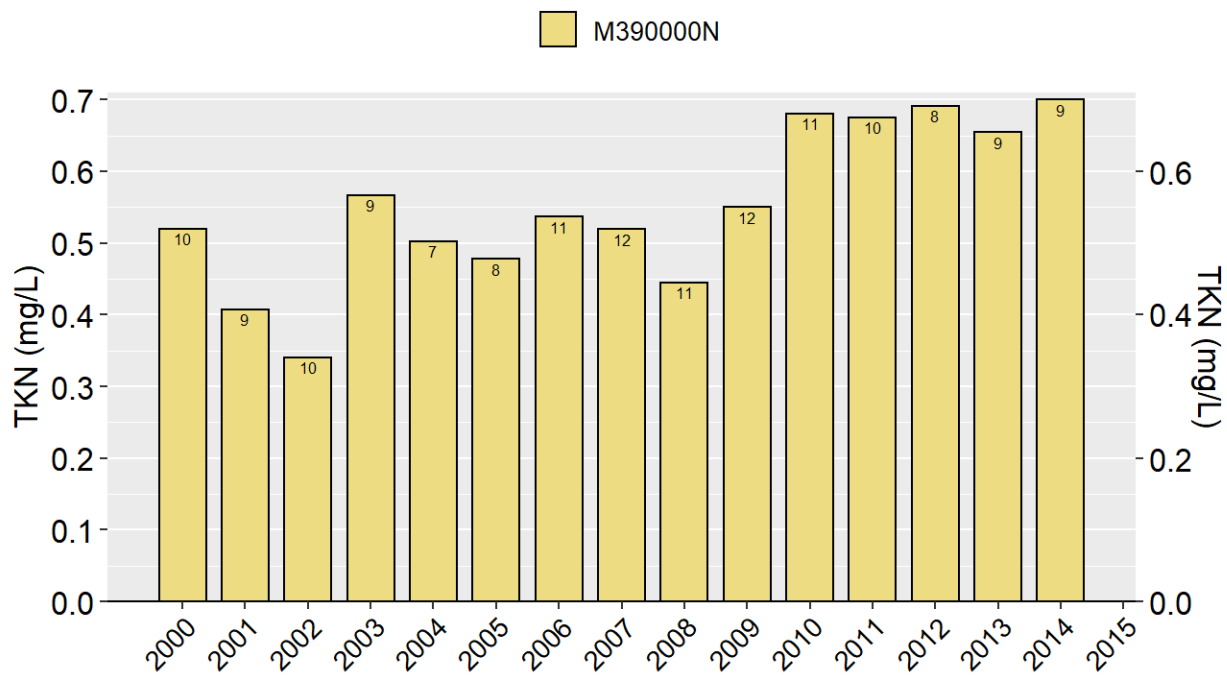
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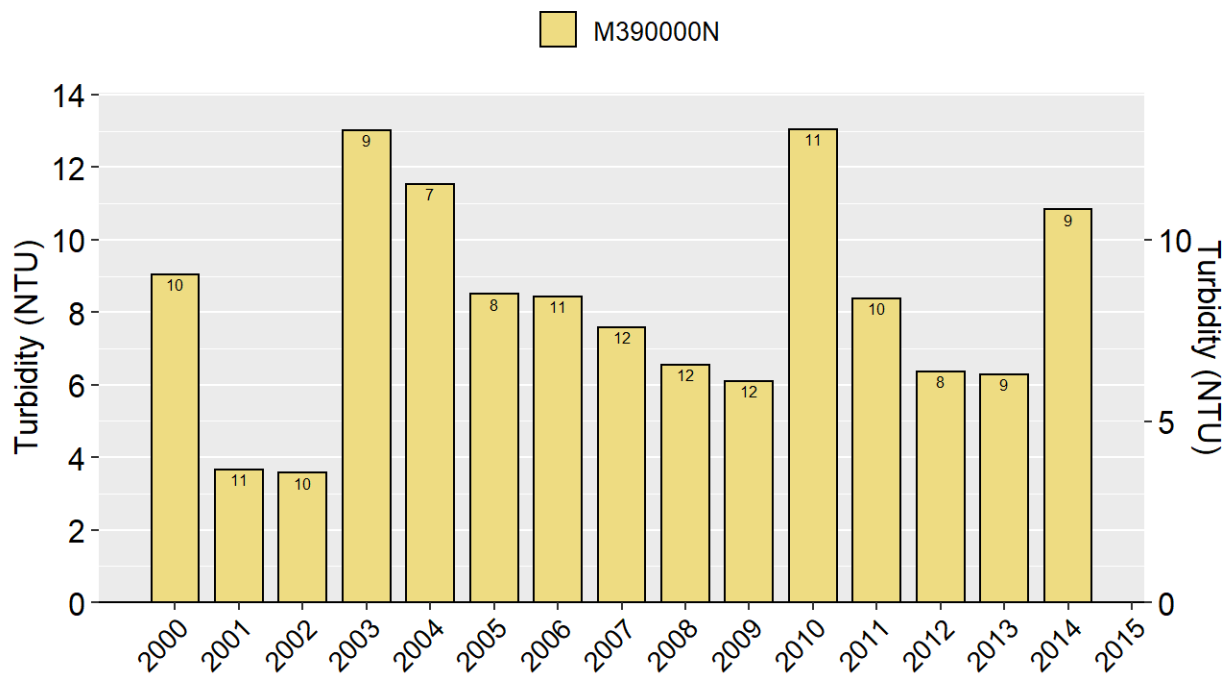
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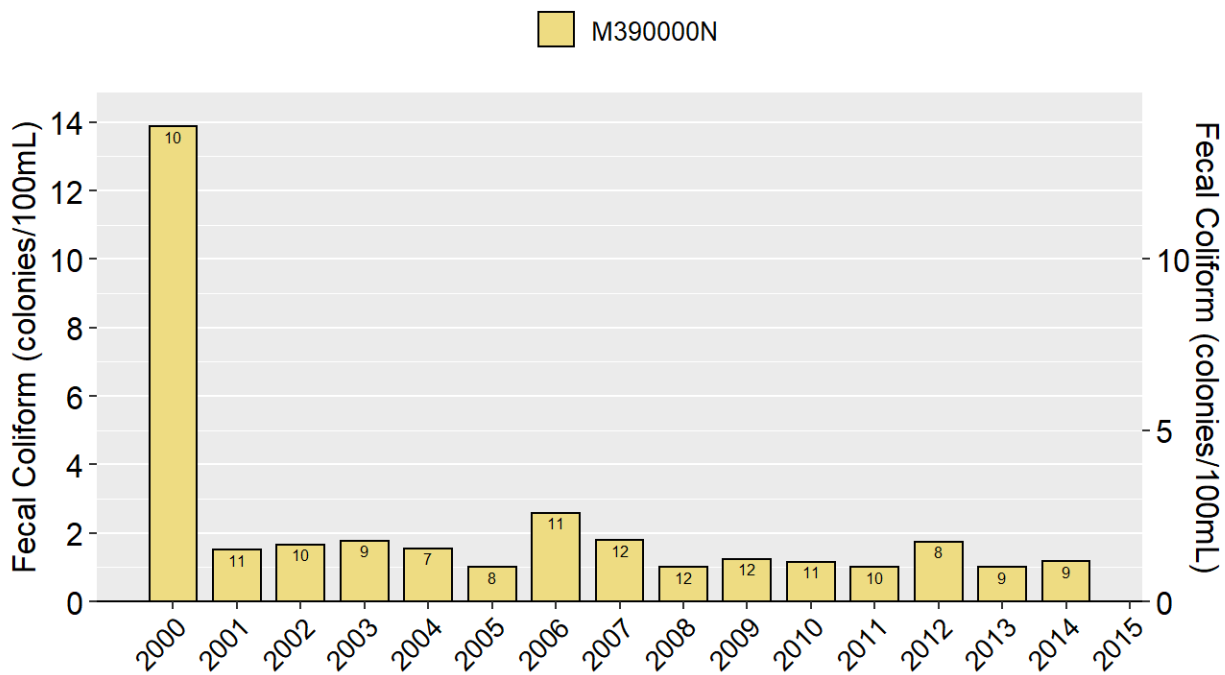
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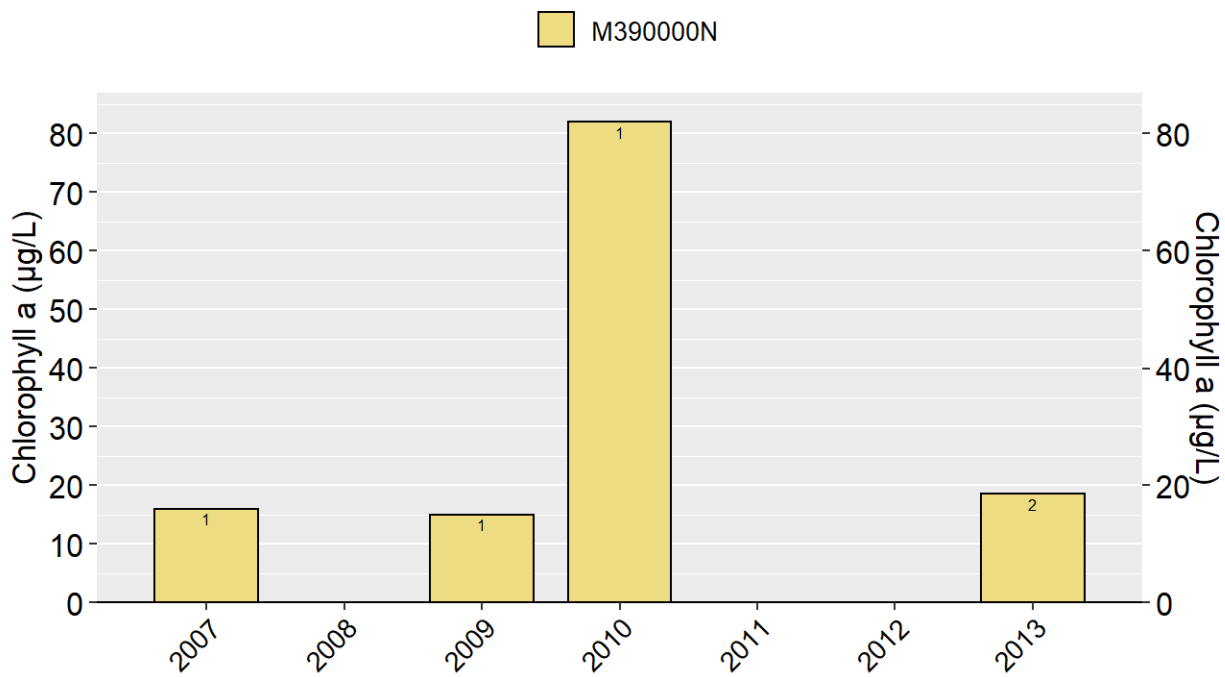
Yearly Average Values



Yearly Geometric Mean Values

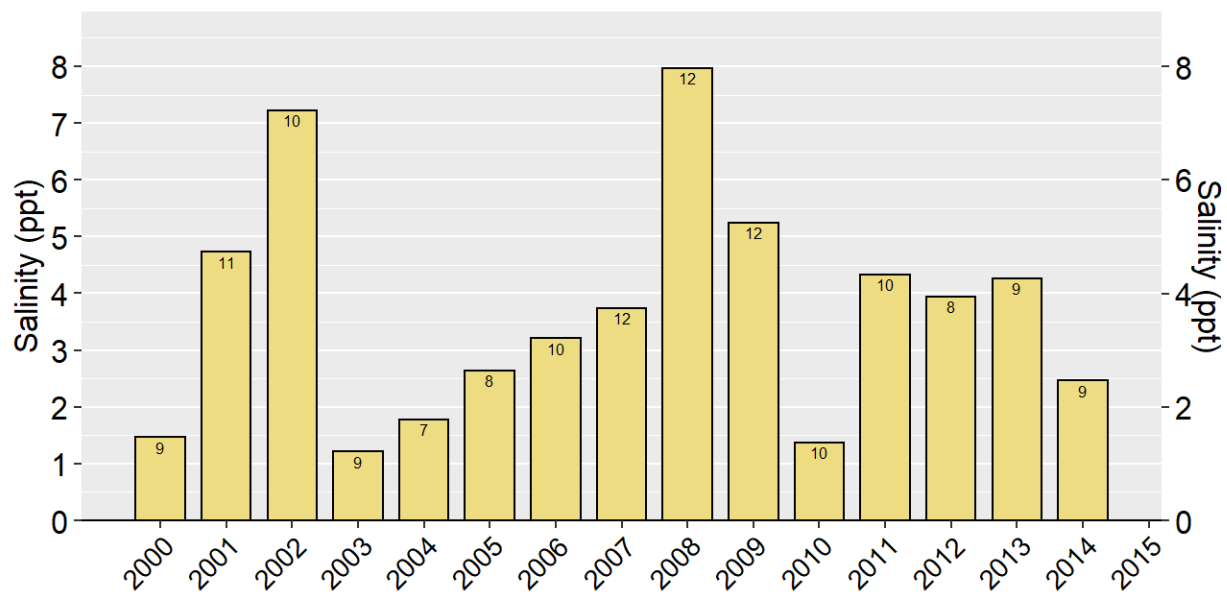


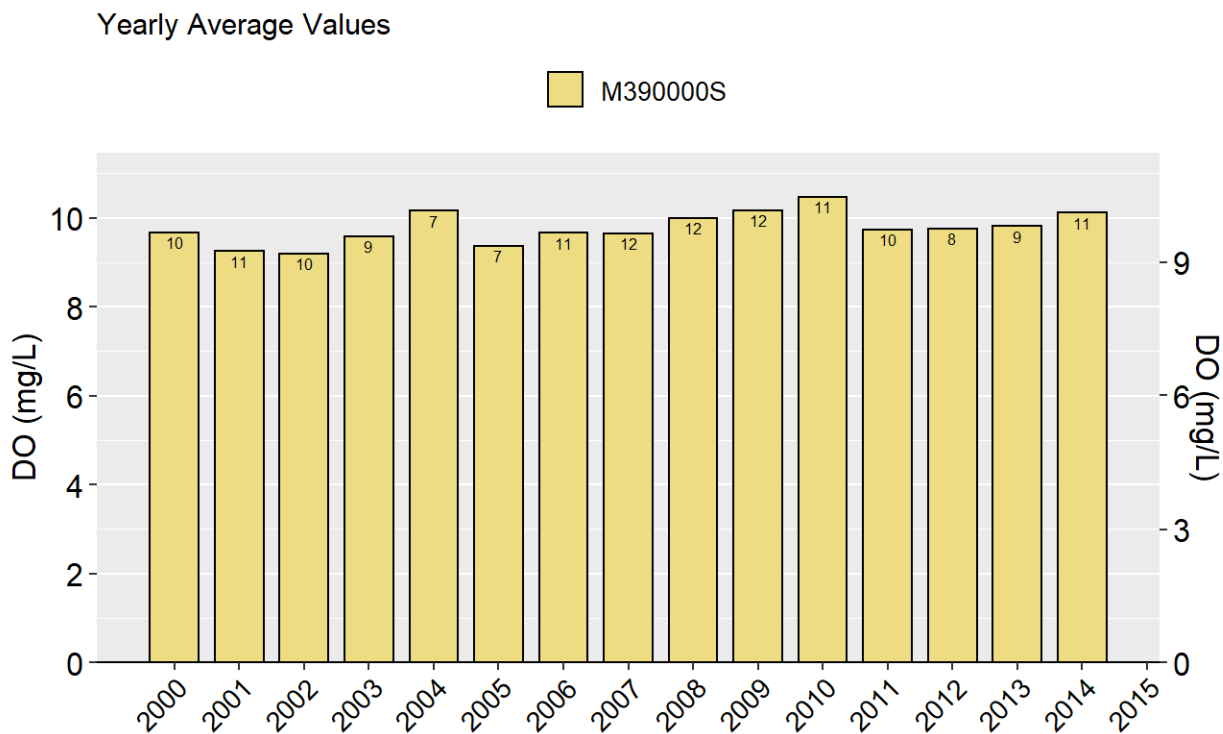
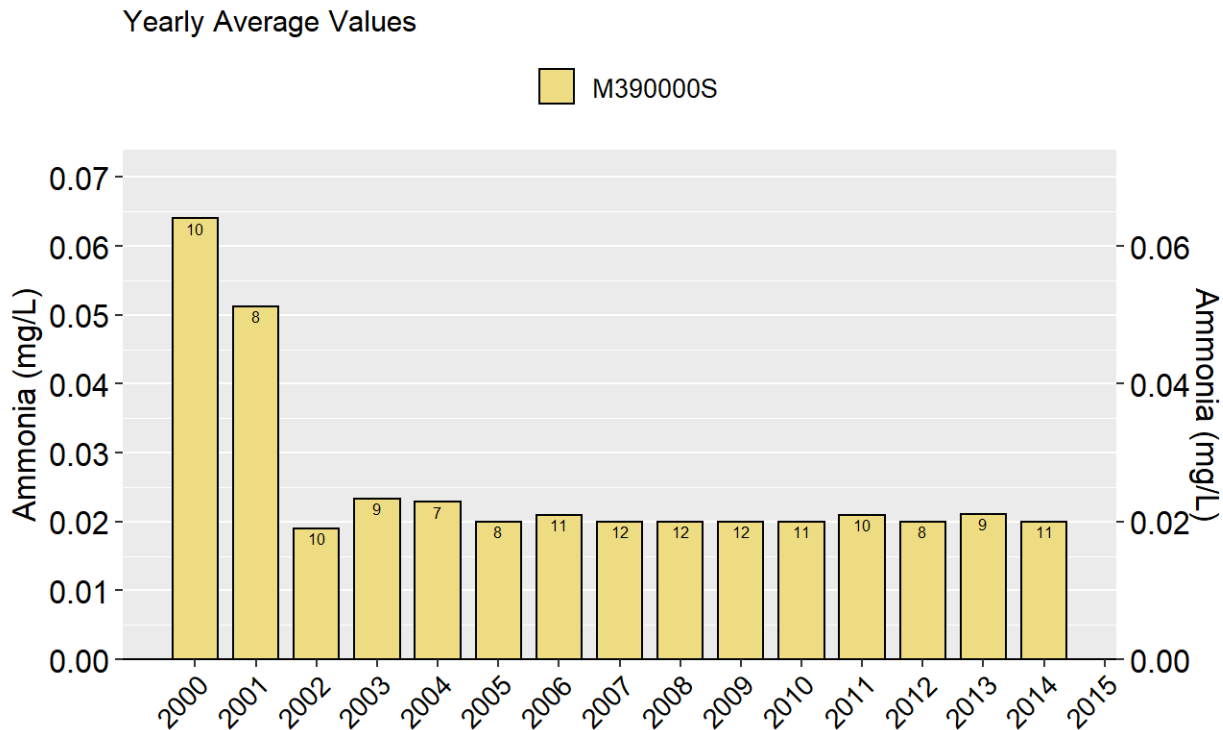
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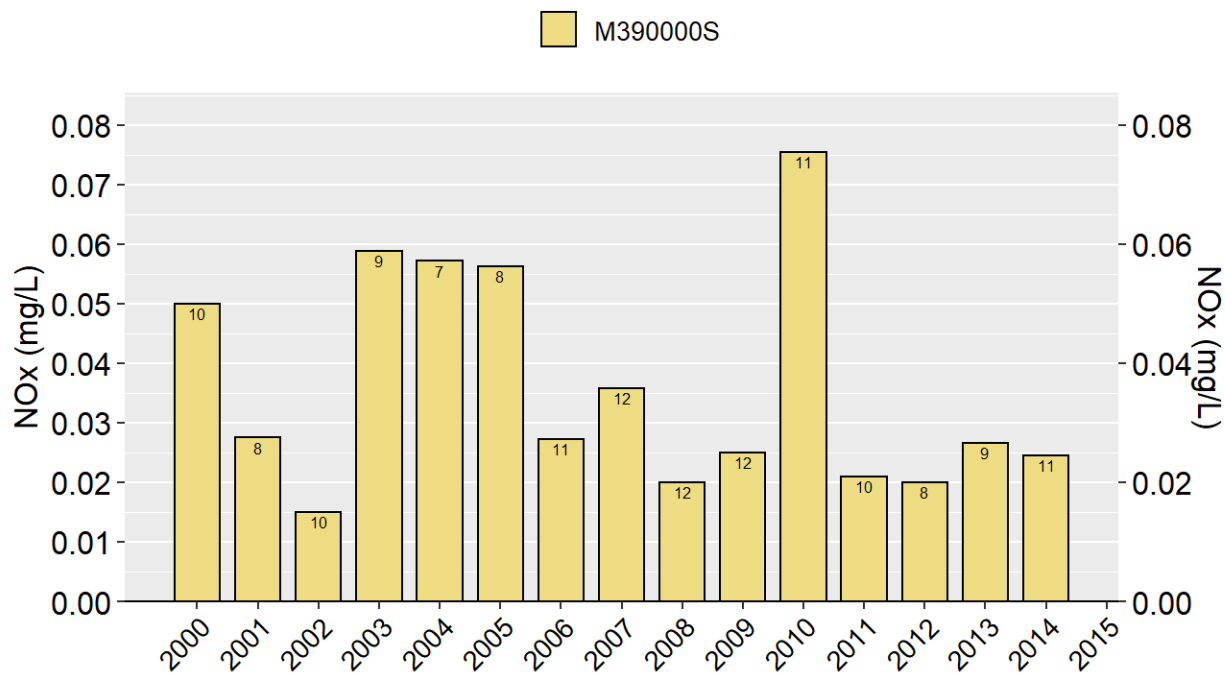
Yearly Average Values

M390000N

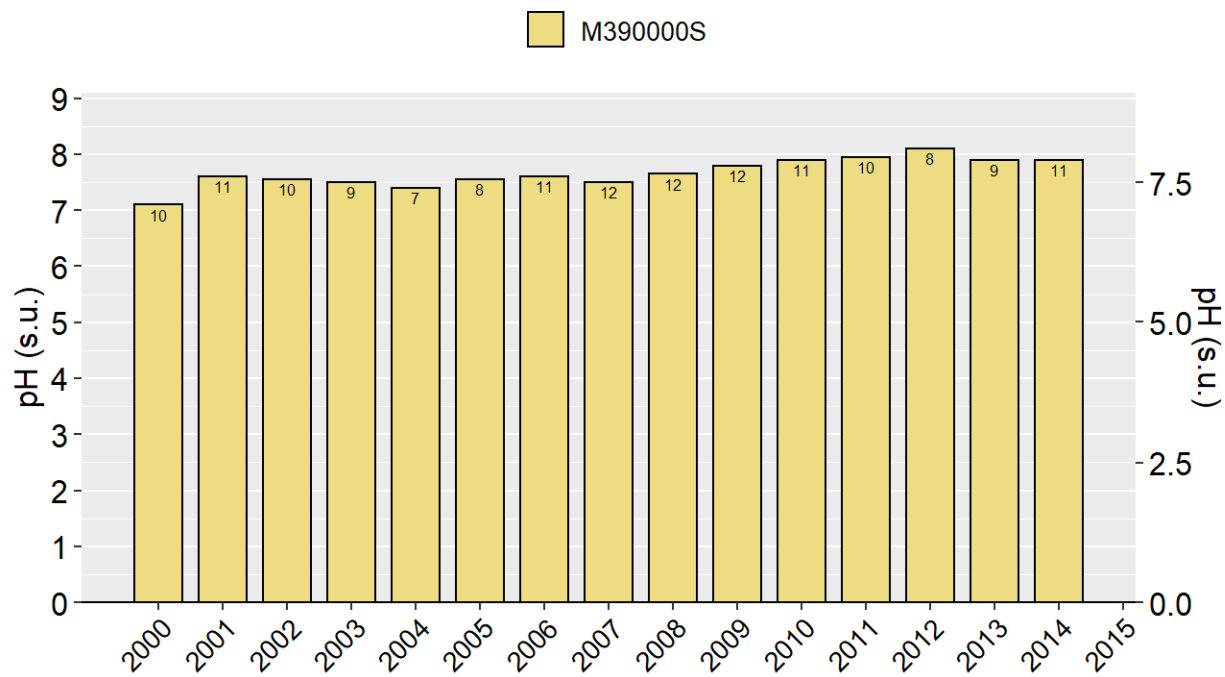




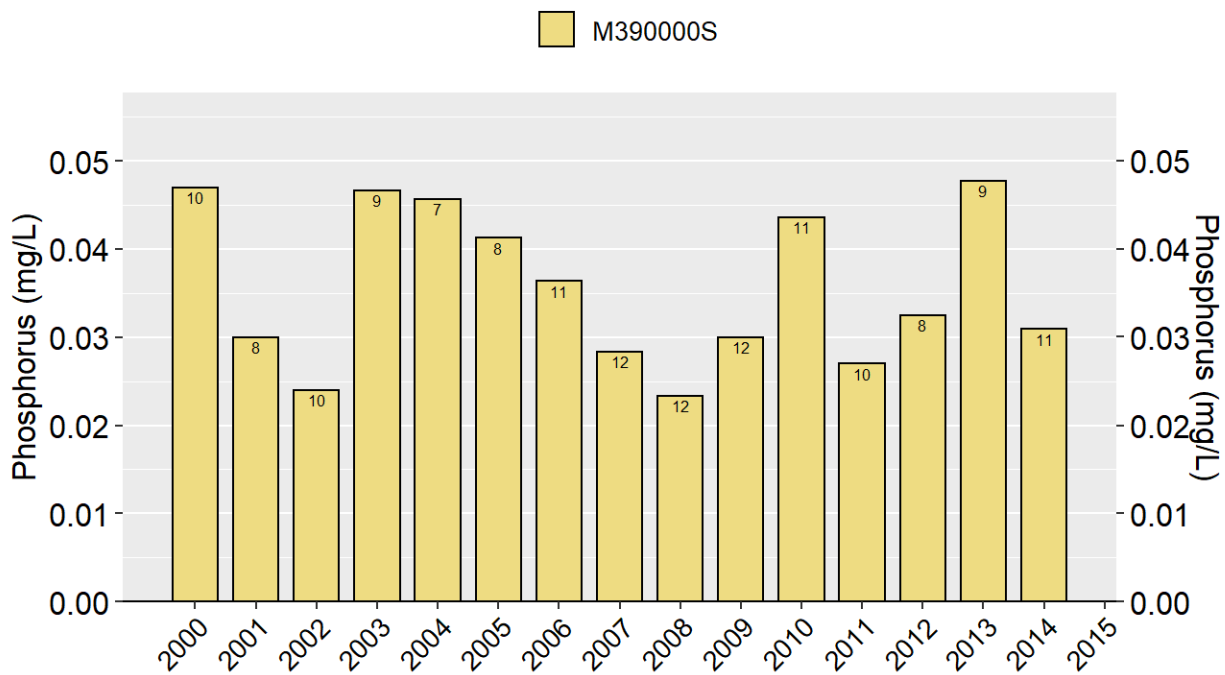
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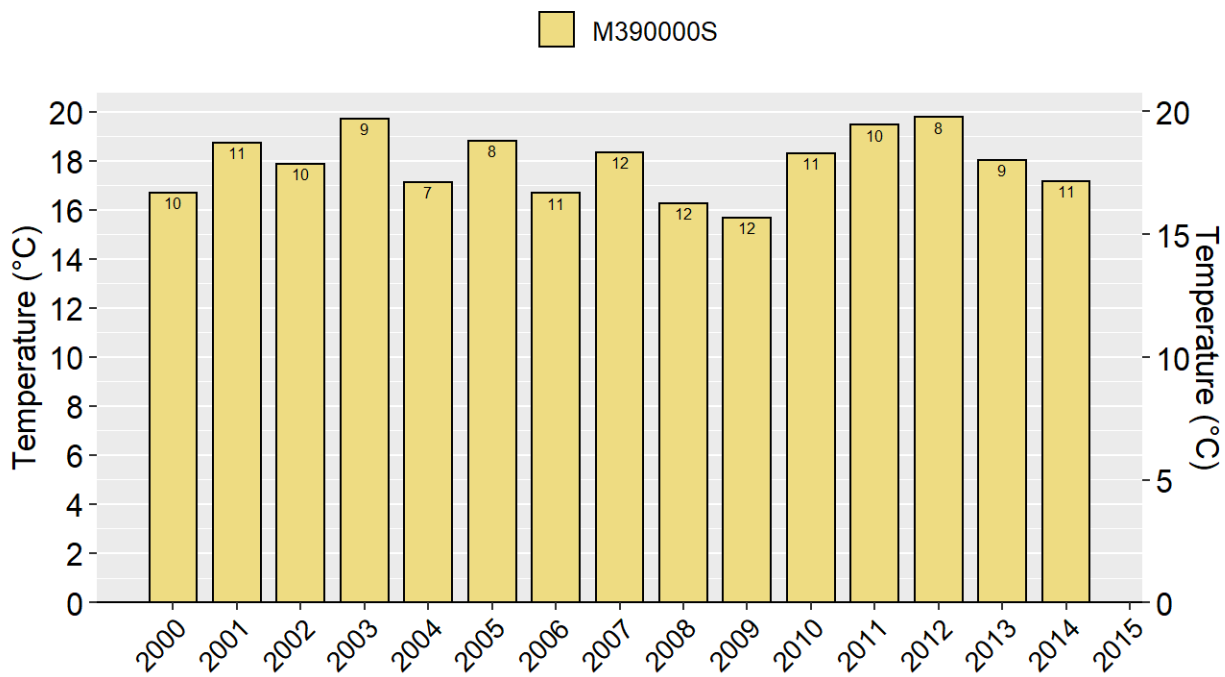
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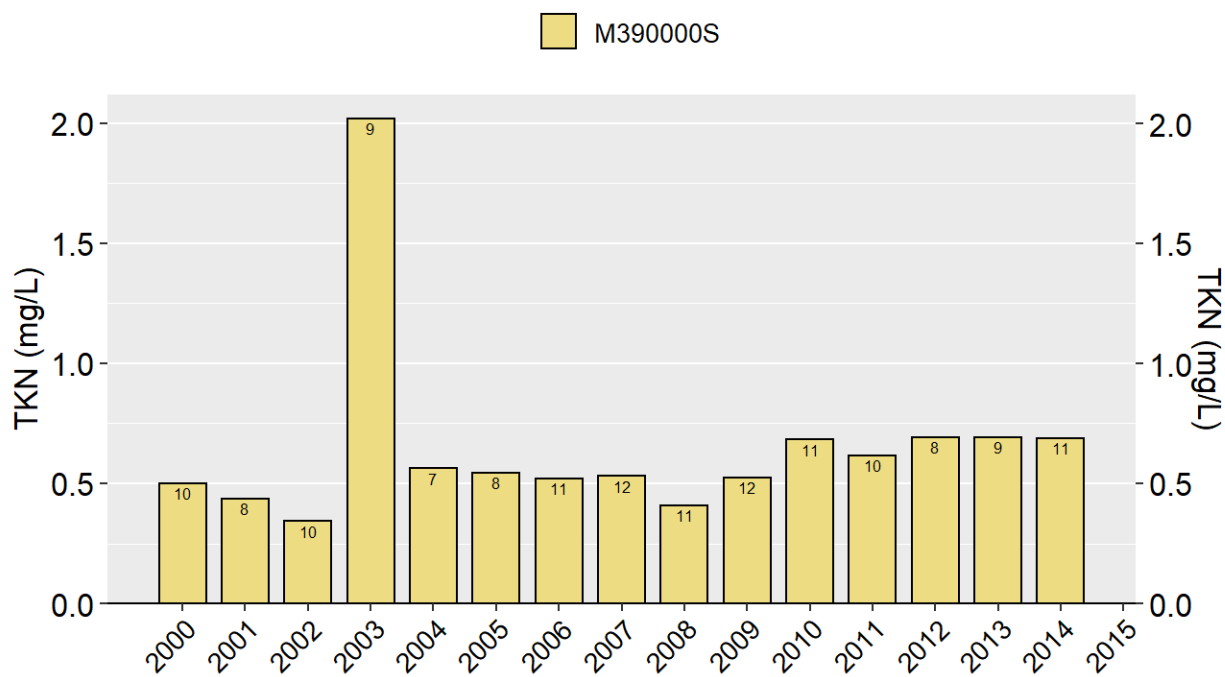
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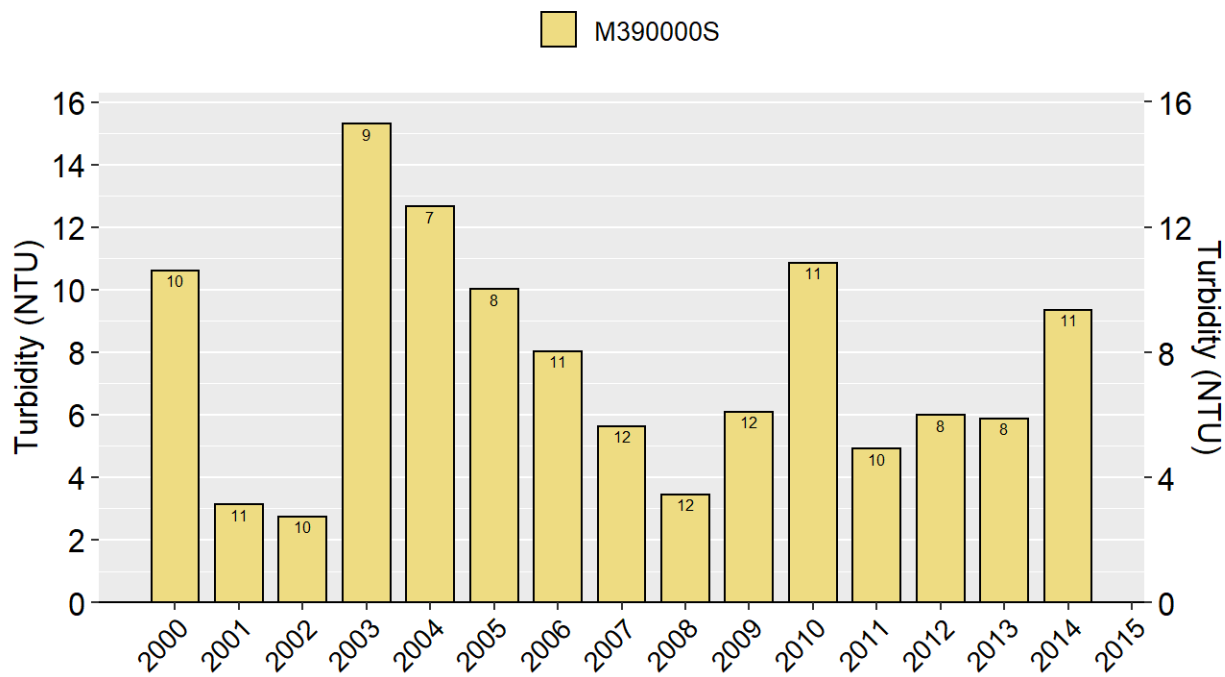
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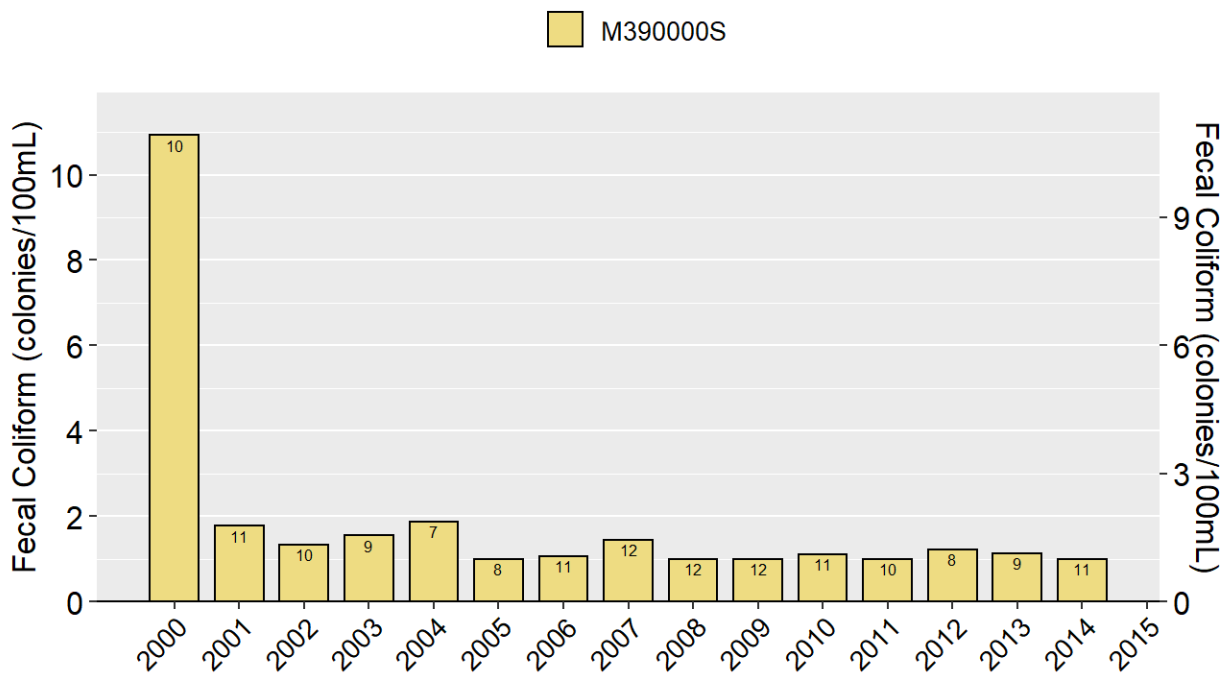
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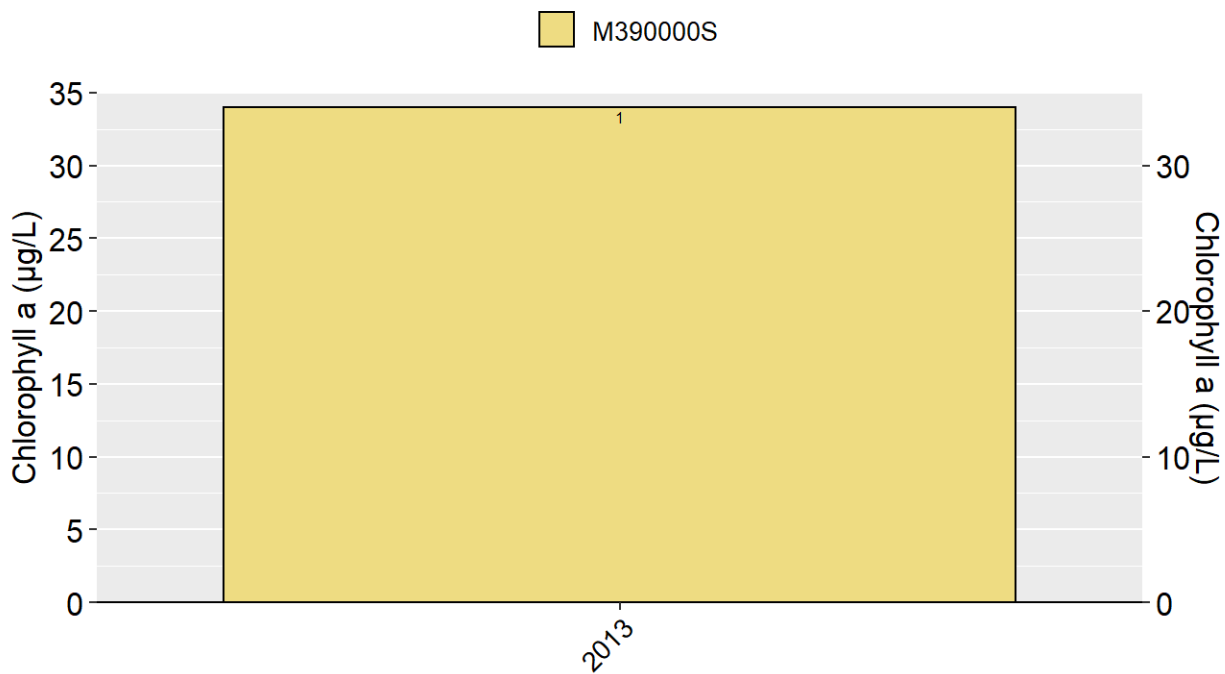
Yearly Average Values



Yearly Geometric Mean Values

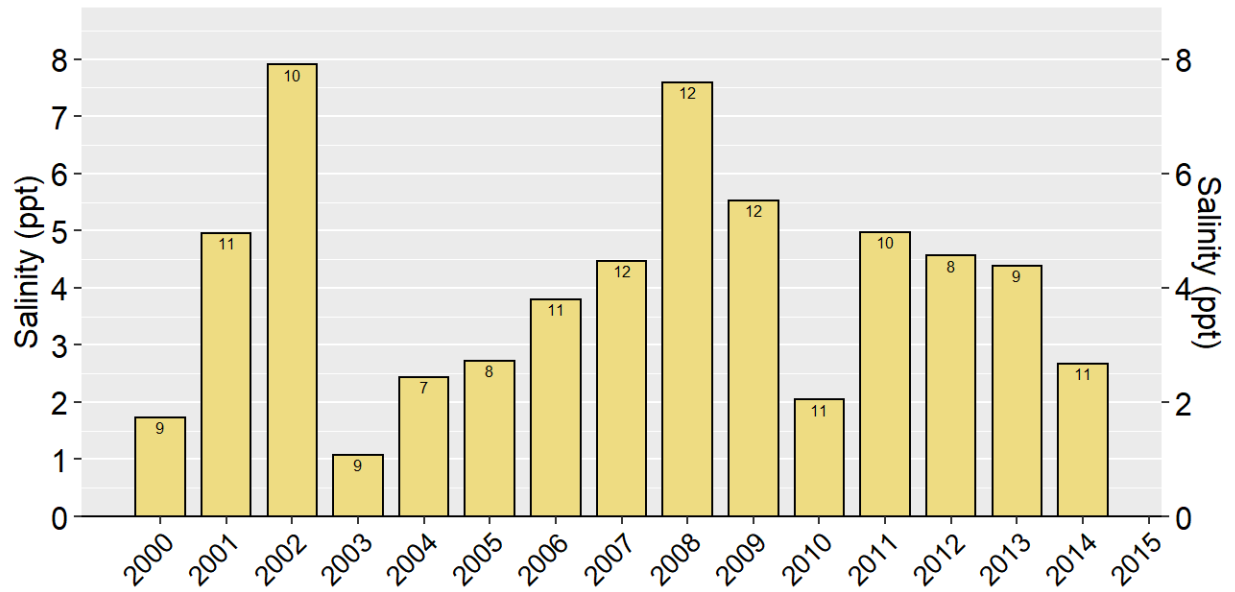


Yearly Average Values

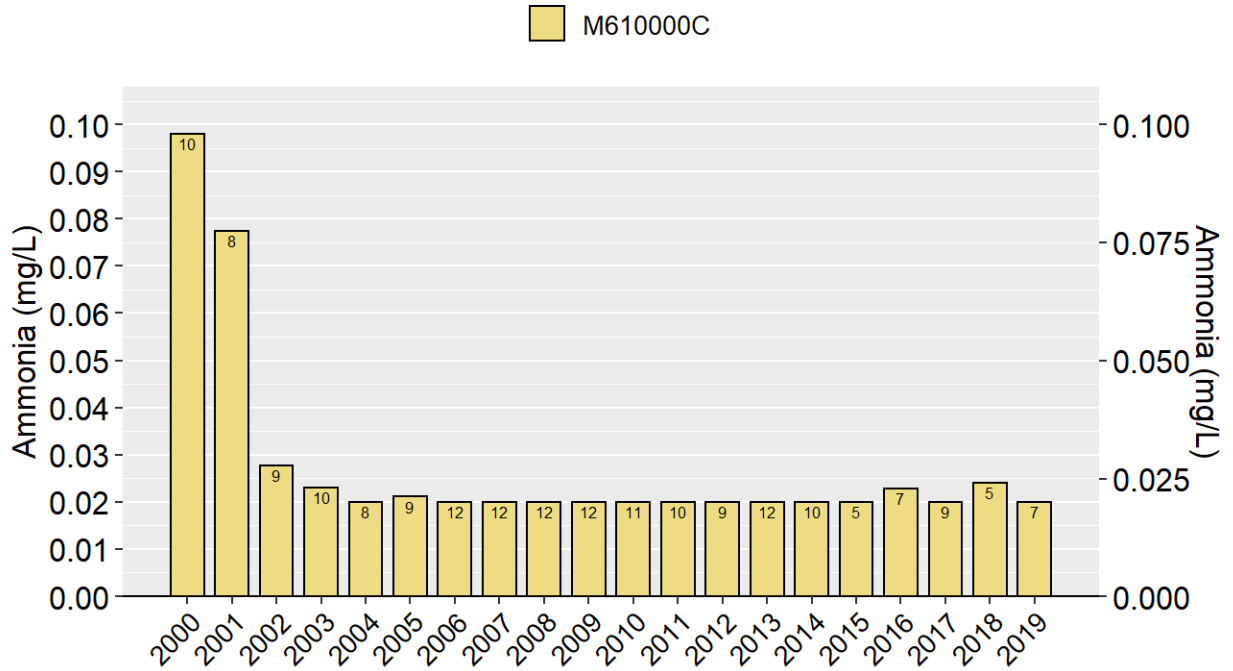


Yearly Average Values

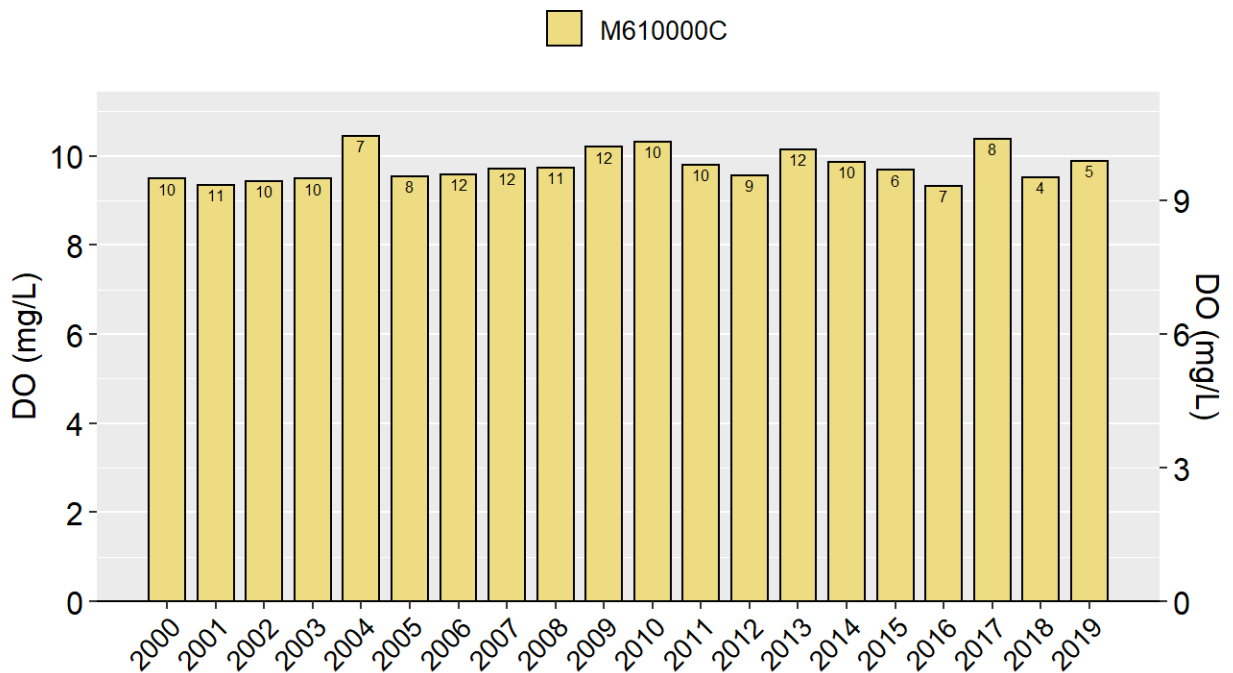
M390000S



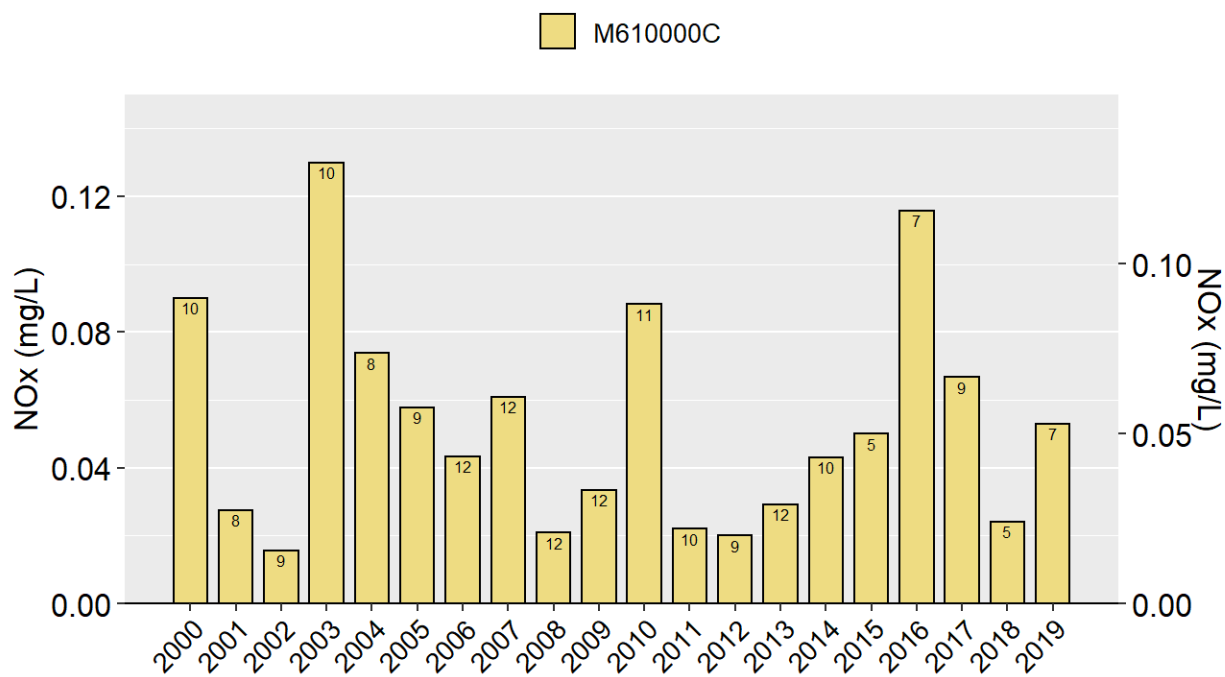
Yearly Average Values



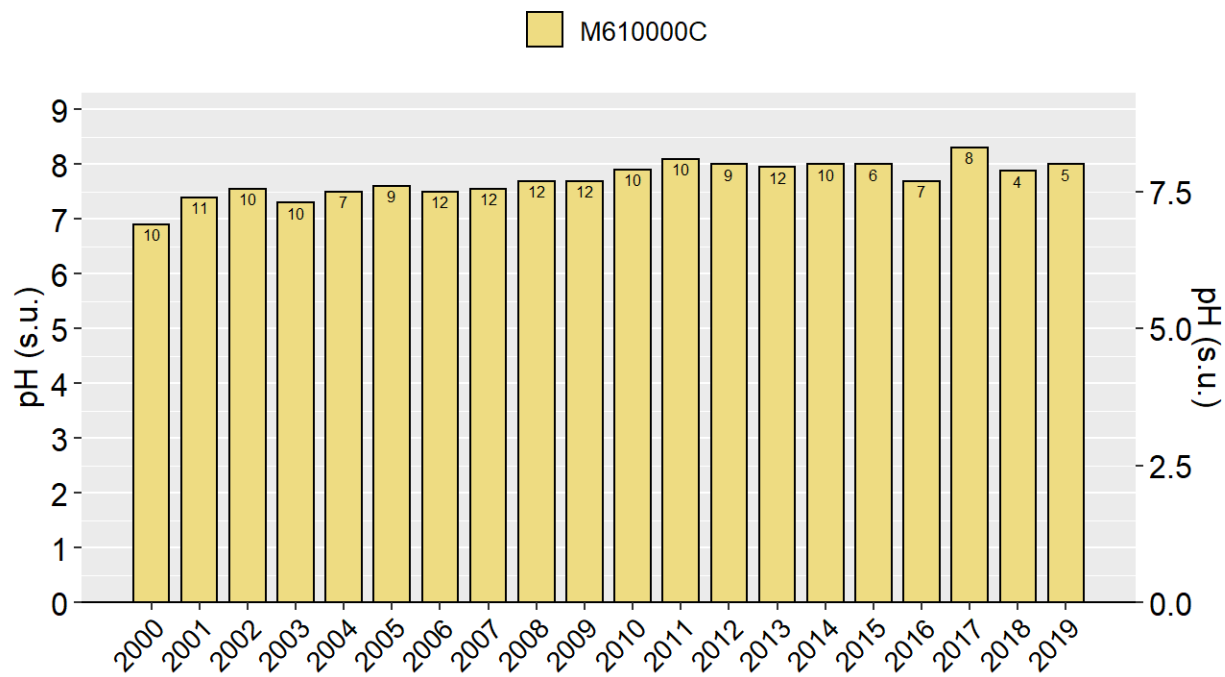
Yearly Average Values



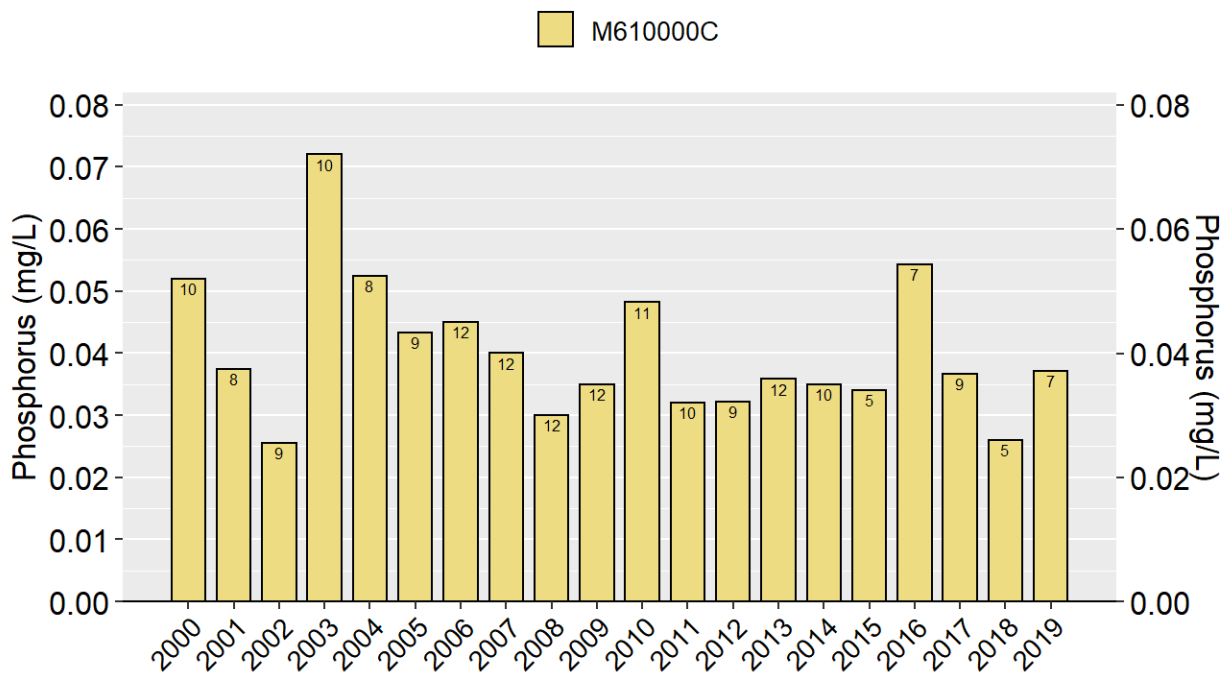
Yearly Average Values



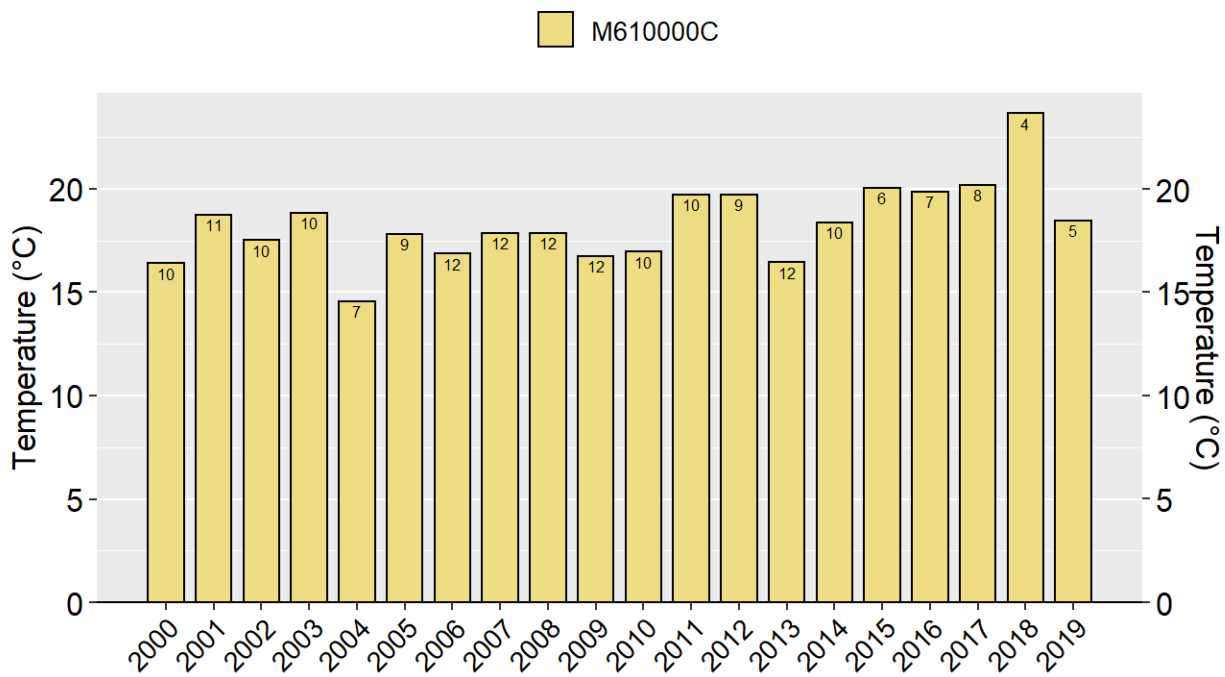
Yearly Median Values



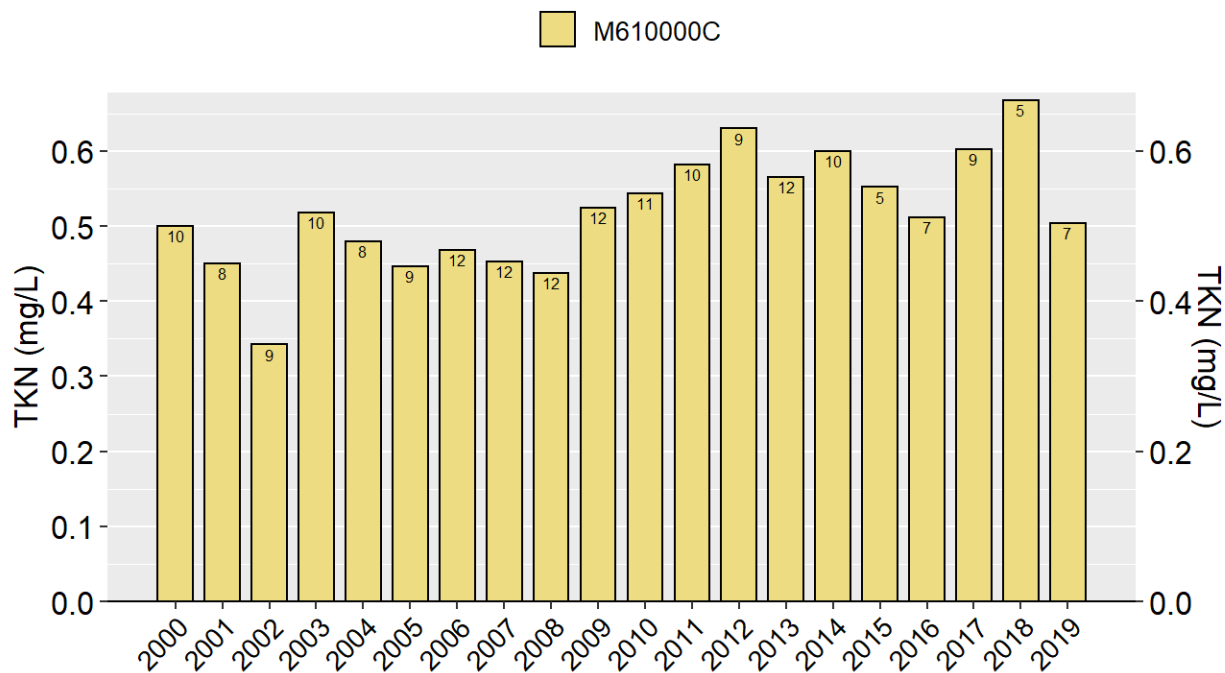
Yearly Average Values



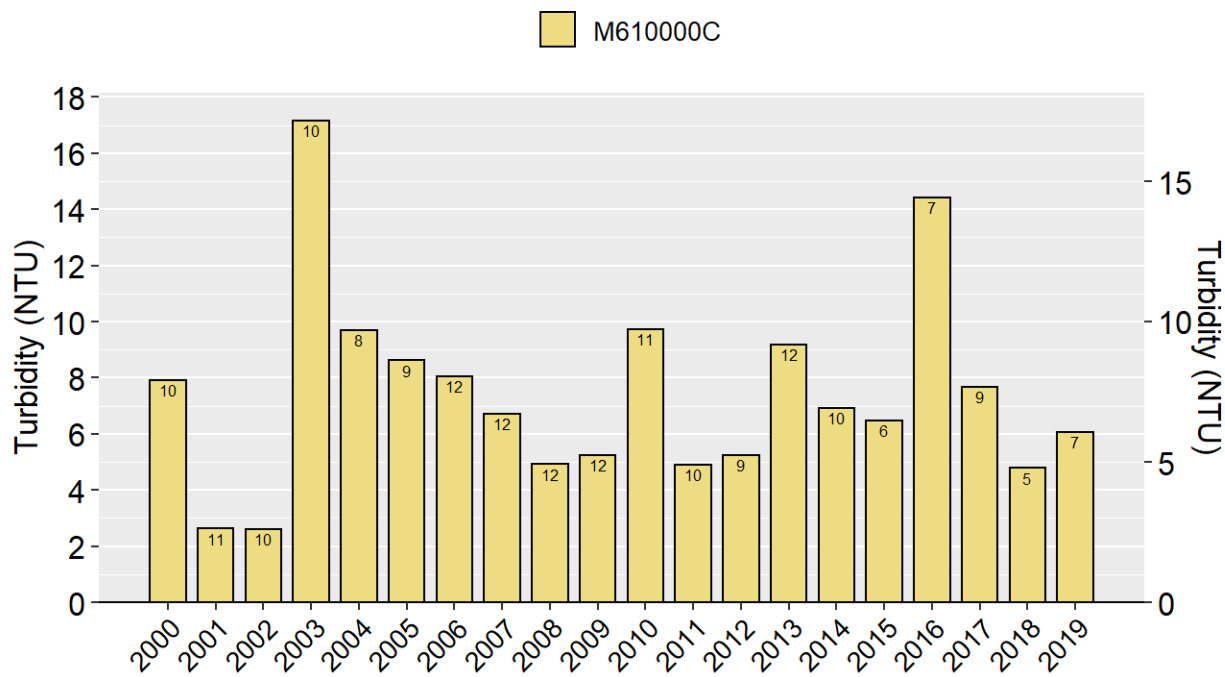
Yearly Average Values



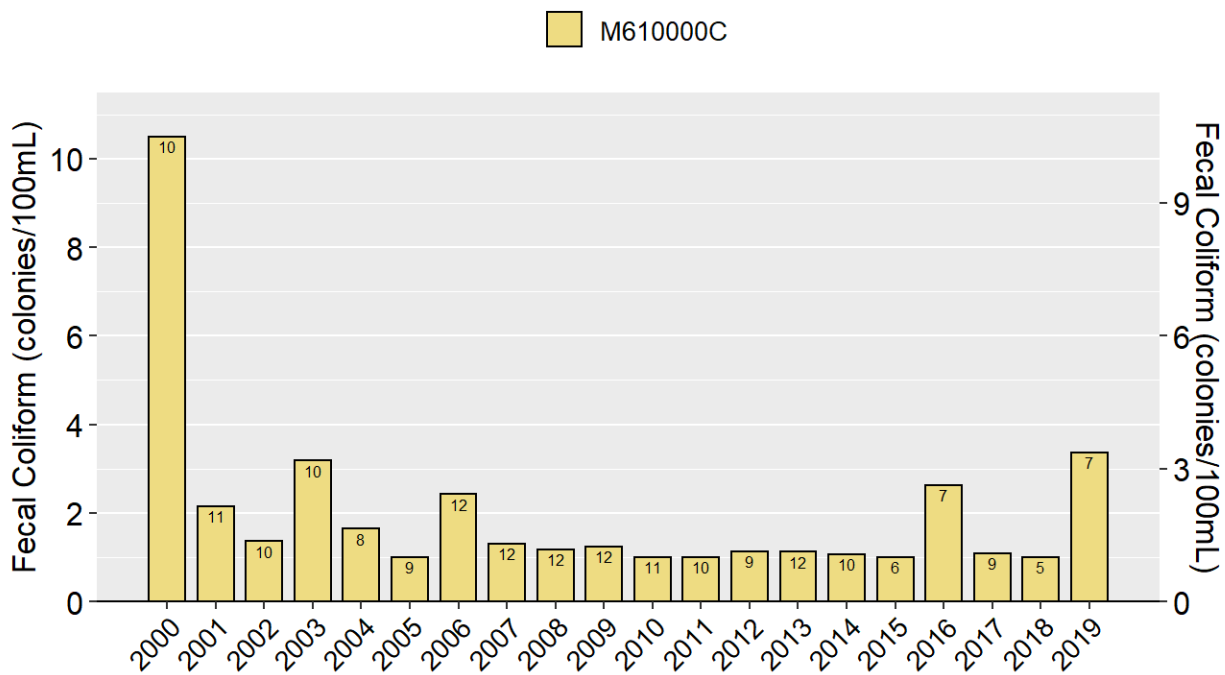
Yearly Average Values



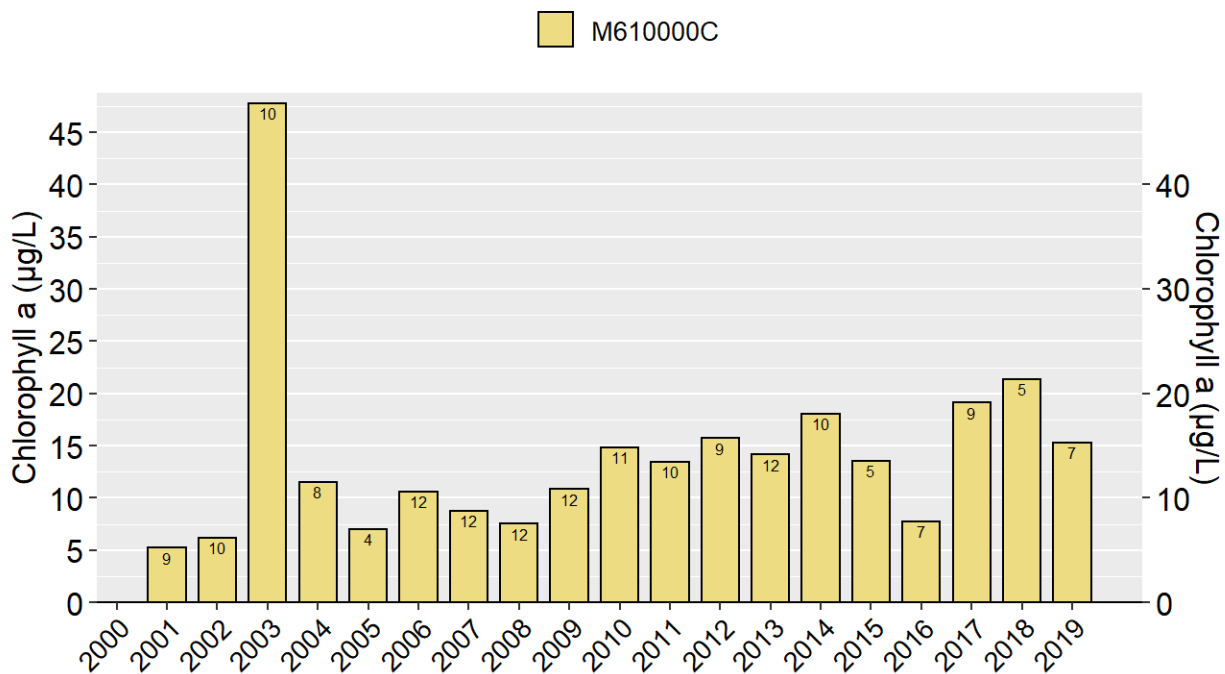
Yearly Average Values



Yearly Geometric Mean Values

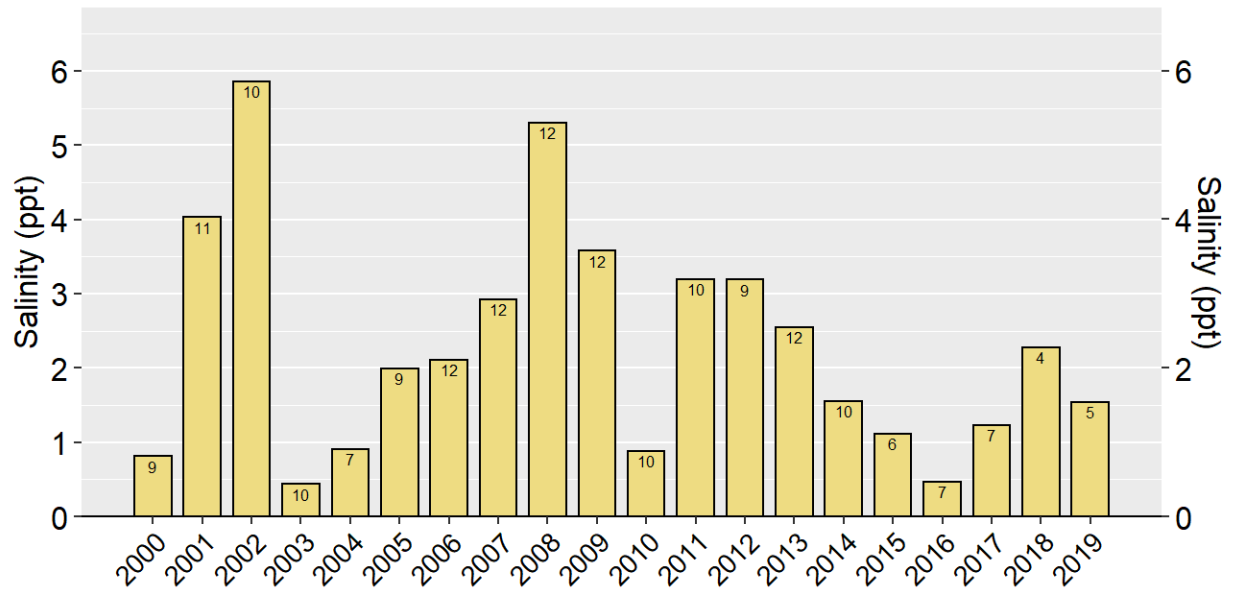


Yearly Average Values

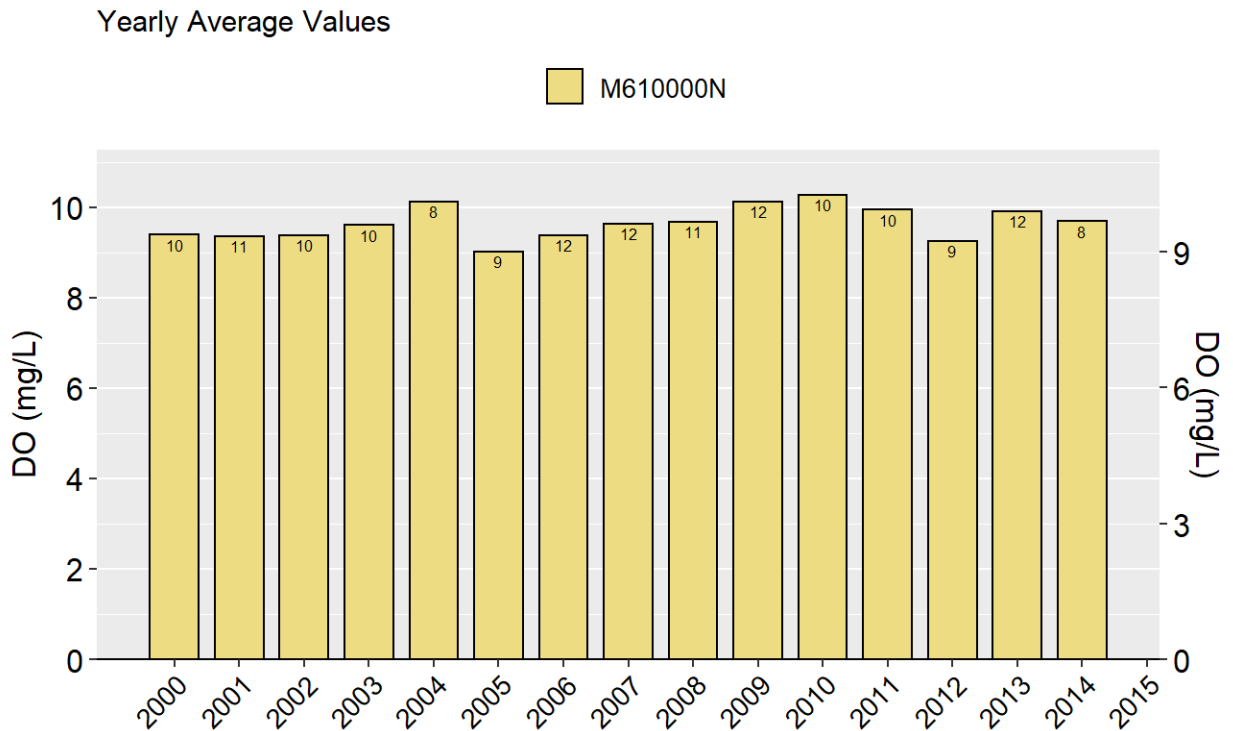
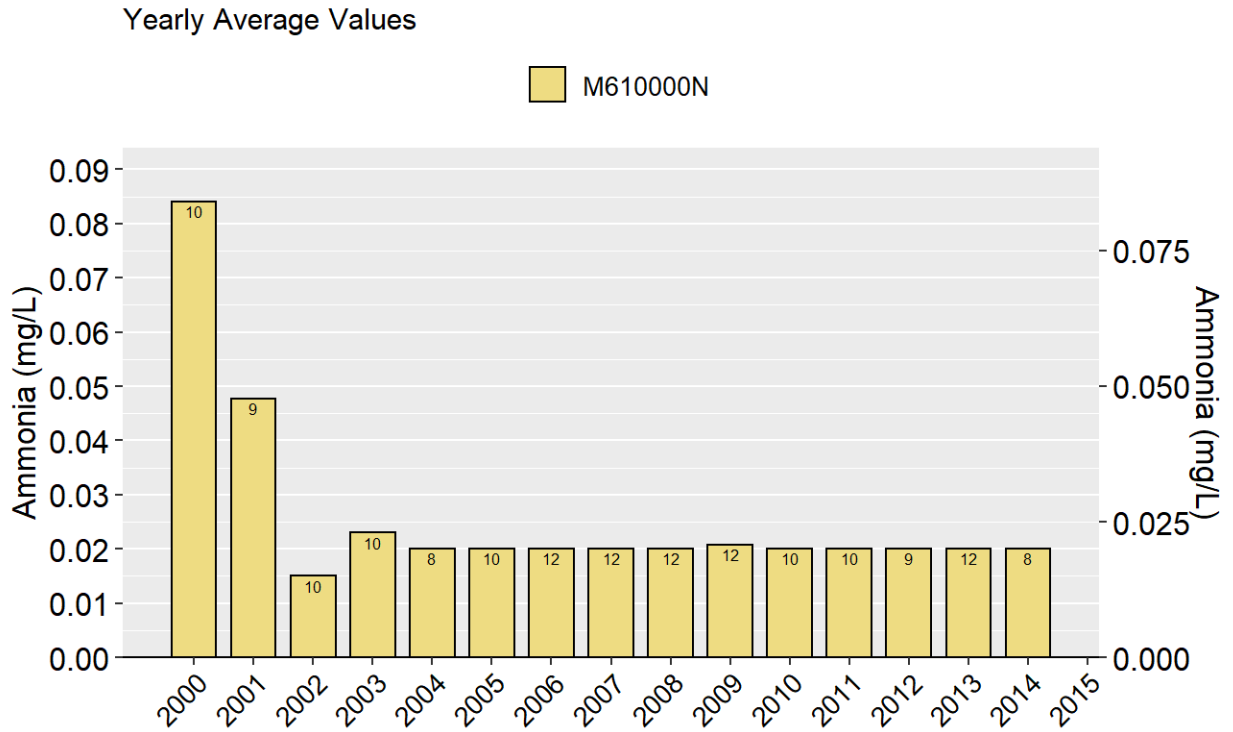


Yearly Average Values

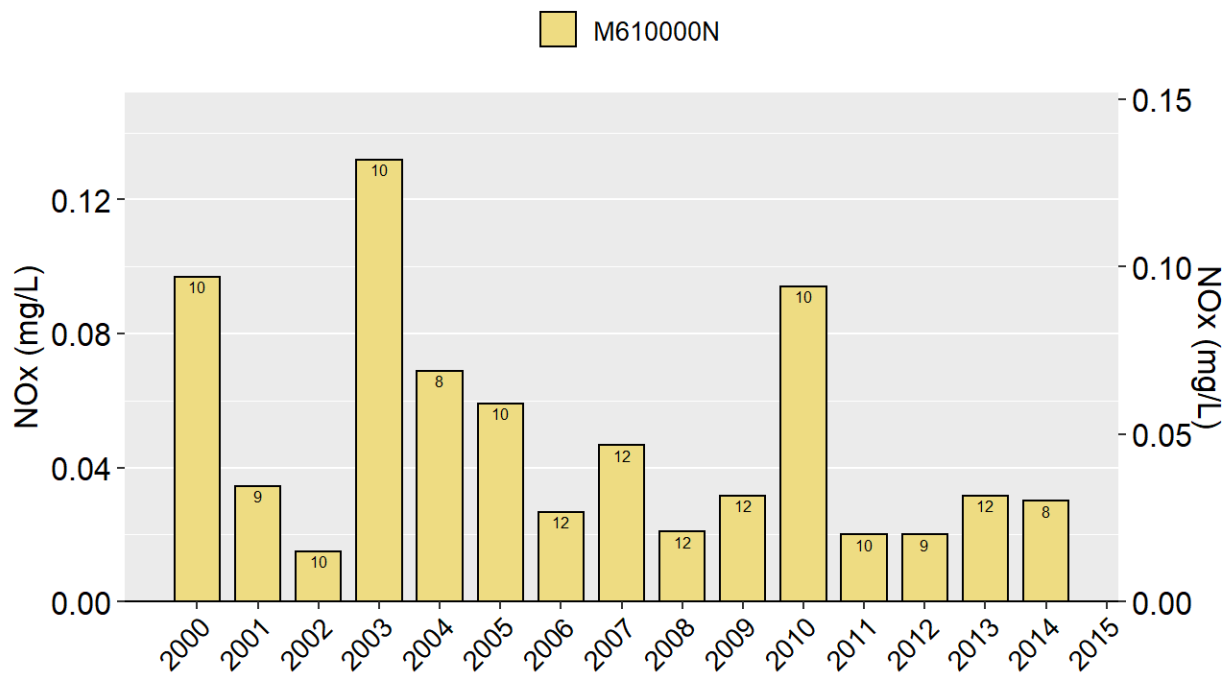
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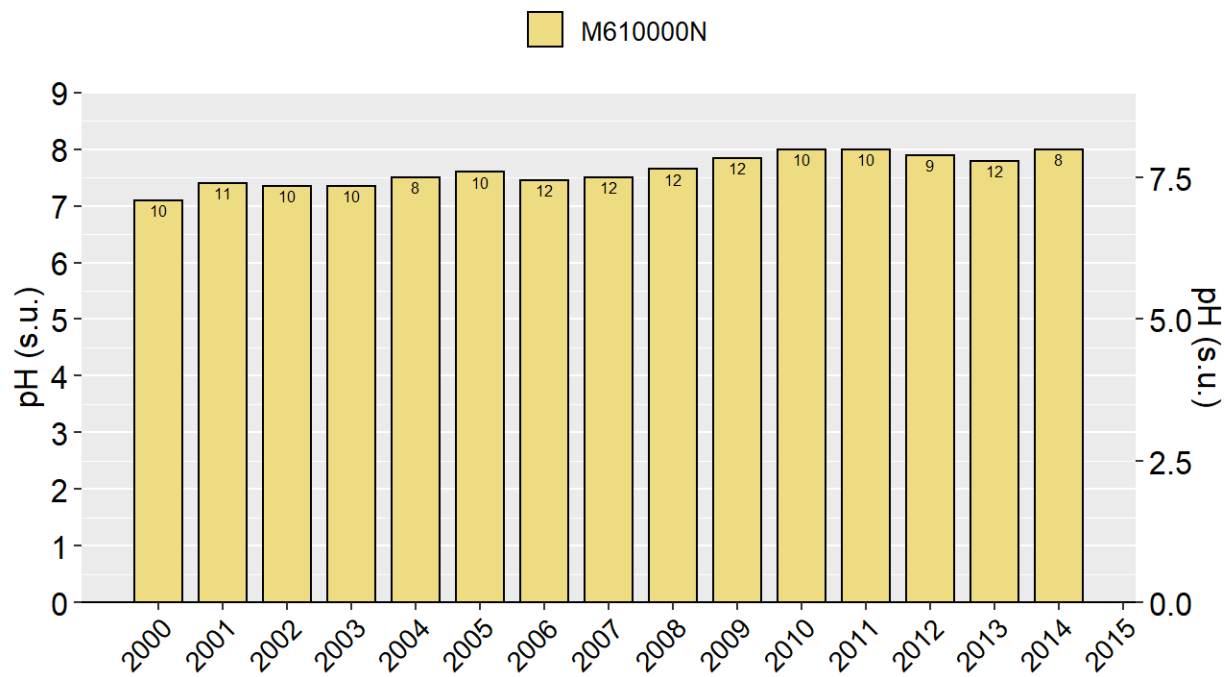
ALBEMARLE SOUND BETWEEN HARVEY PT AND MILL PT N SHORE Ambient Monitoring Station Water Quality Data with Number of Samples Collected inside the Bar, Annual Means, Annual Median, and Annual Geometric Means.



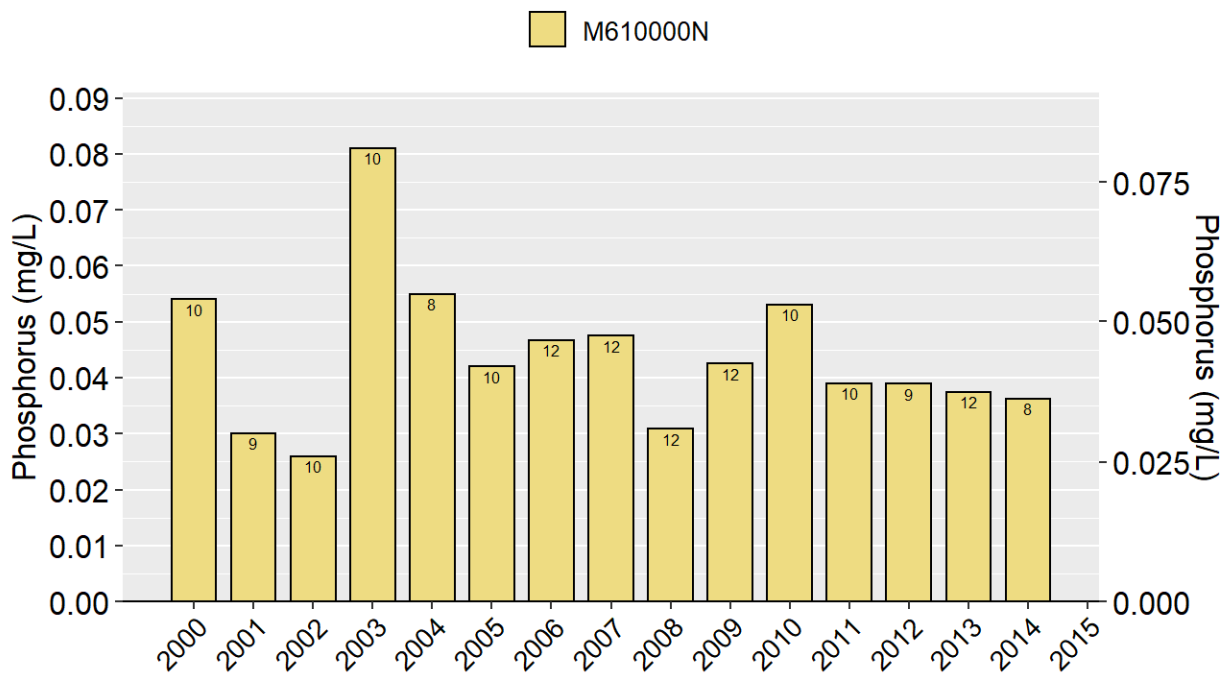
Yearly Average Values



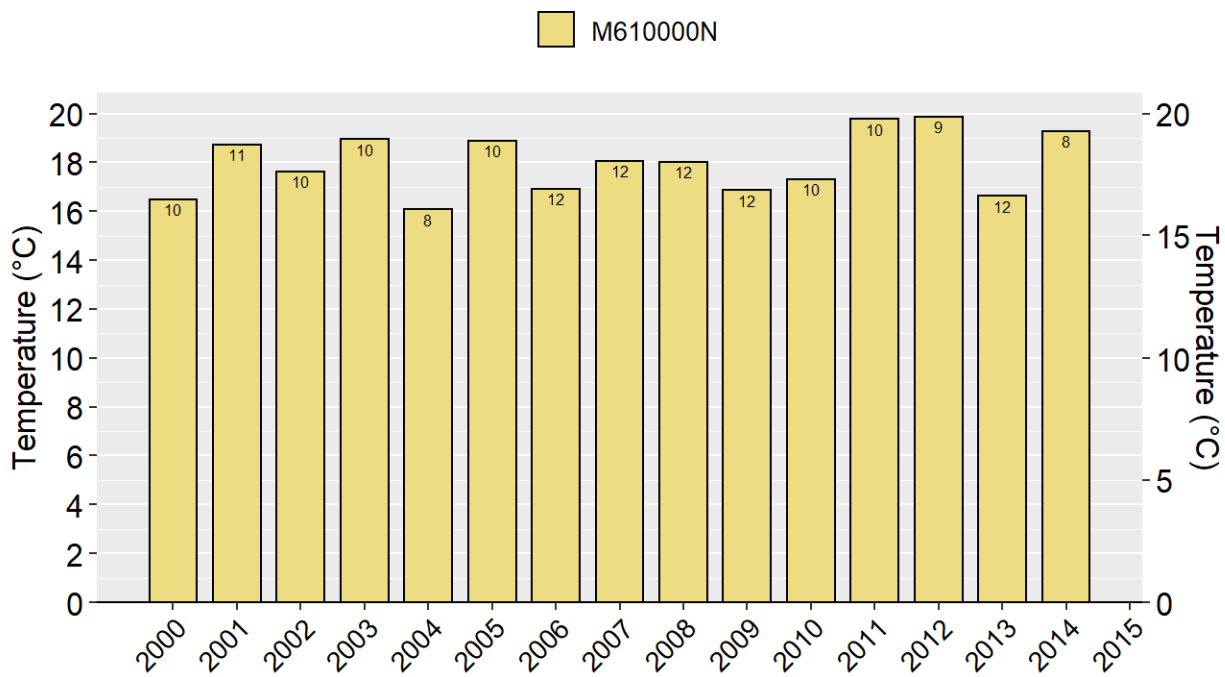
Yearly Median Values



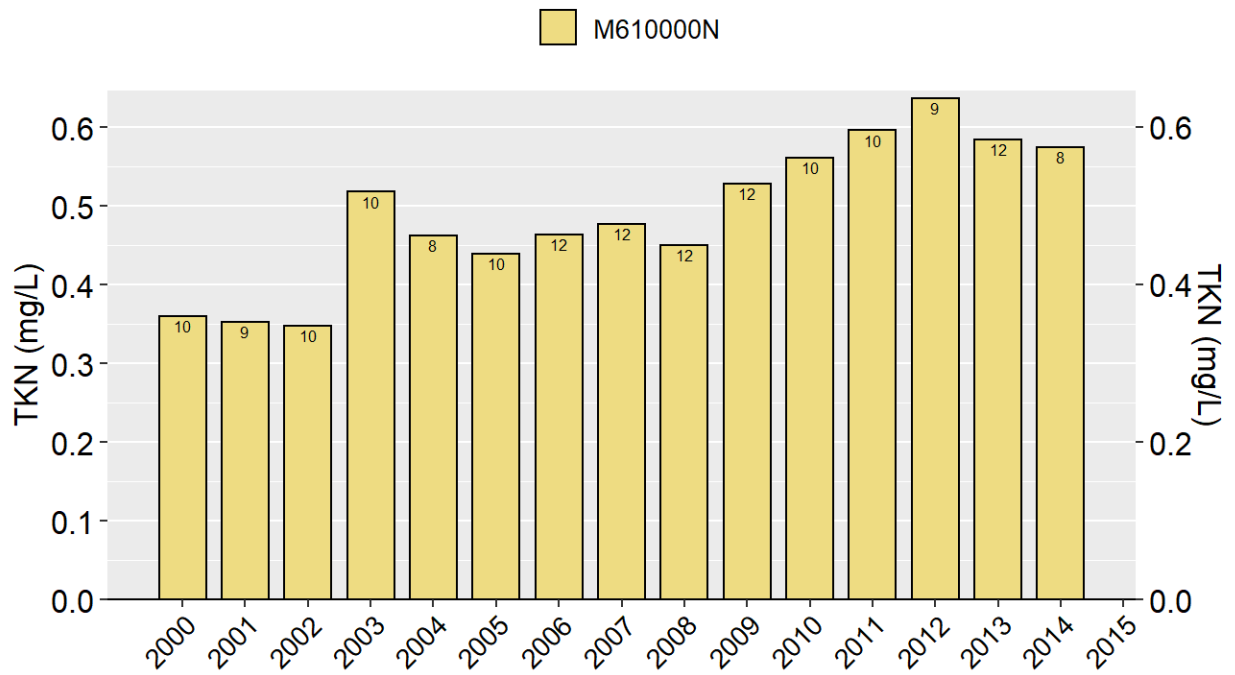
Yearly Average Values



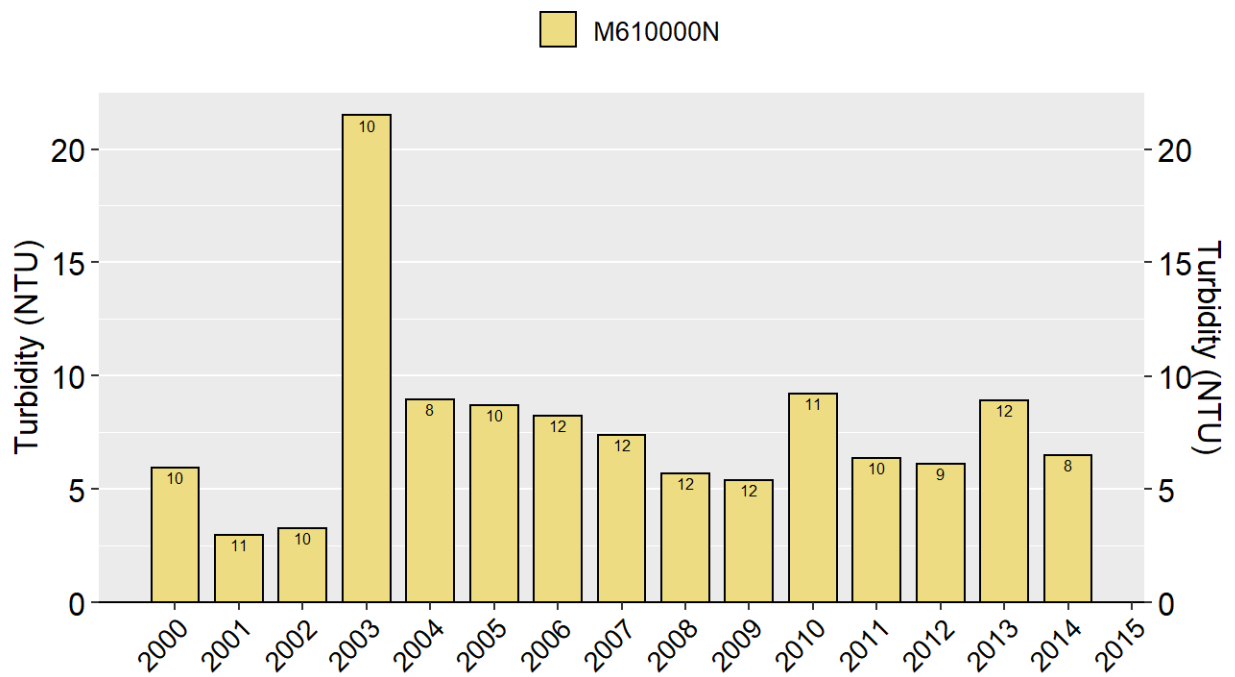
Yearly Average Values



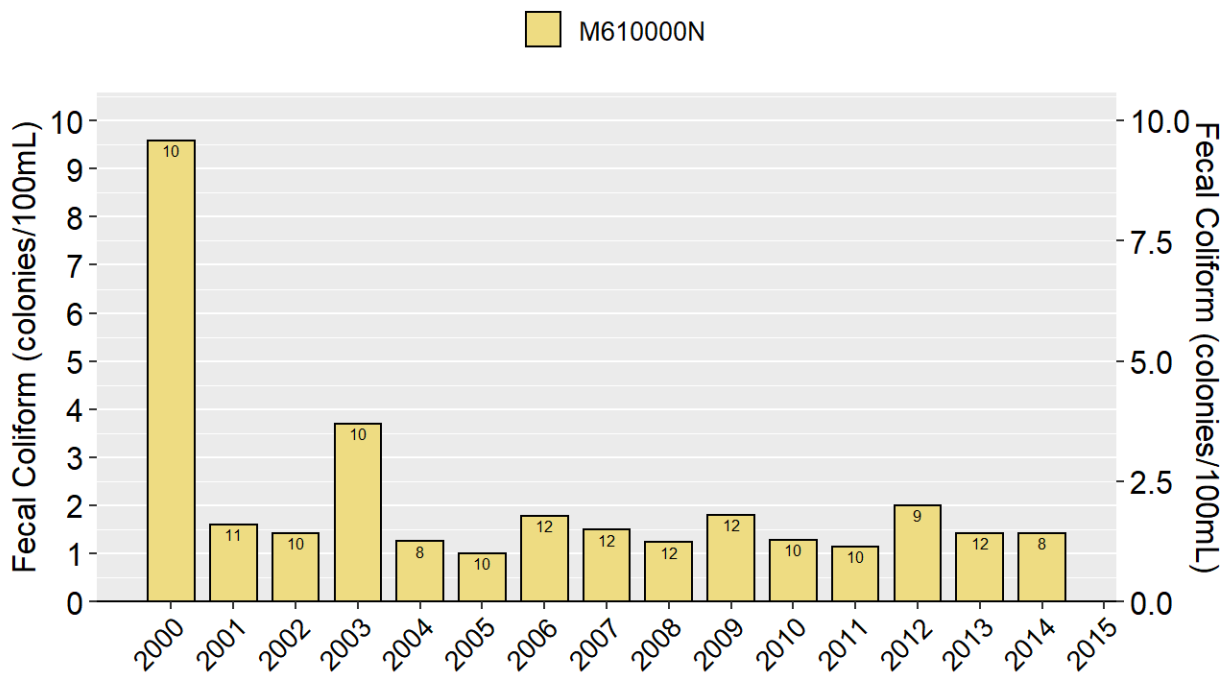
Yearly Average Values



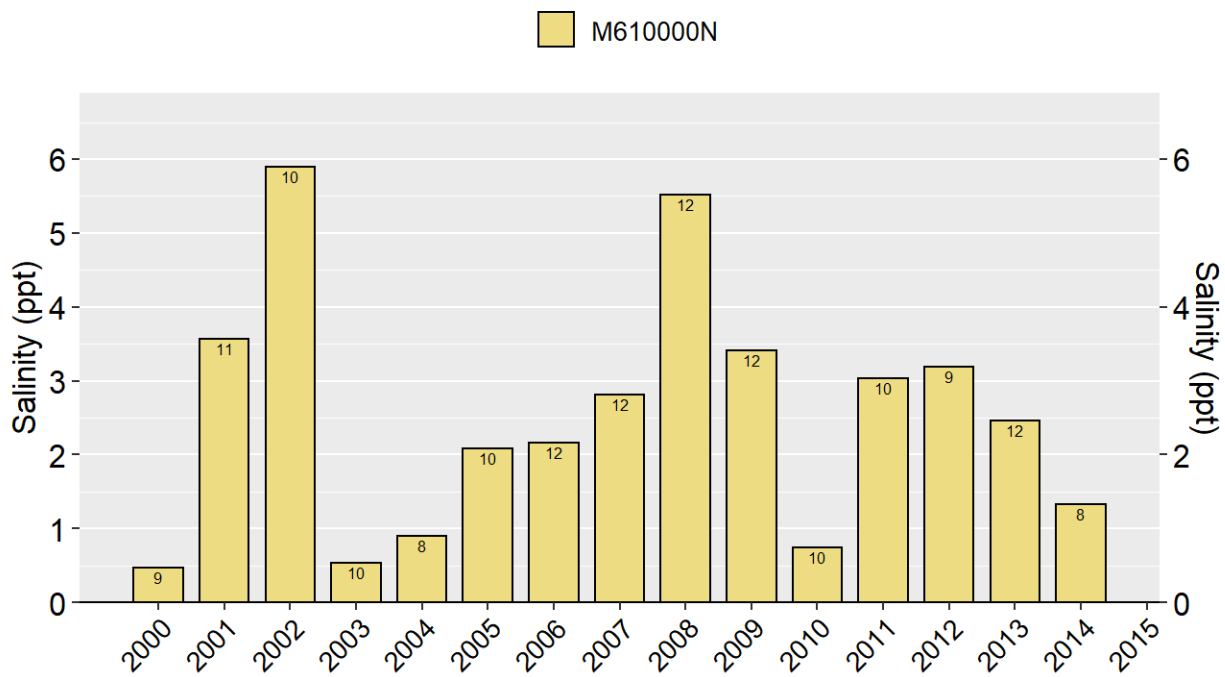
Yearly Average Values

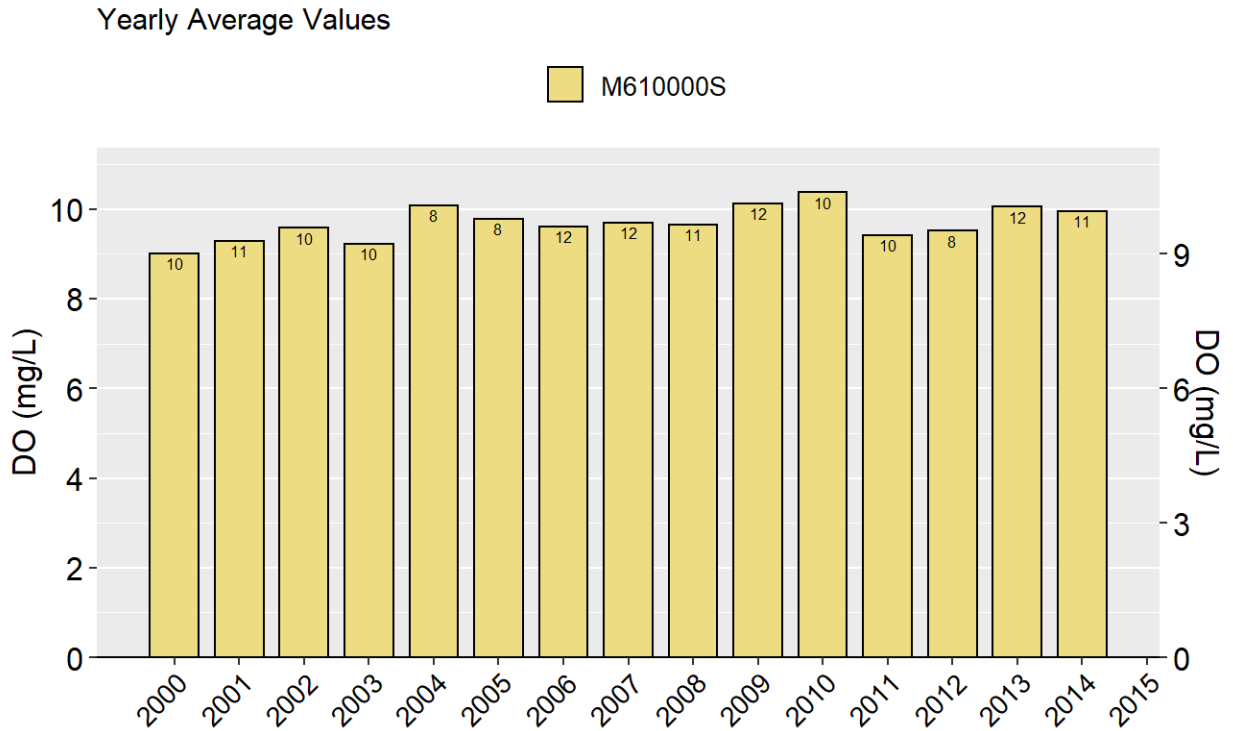
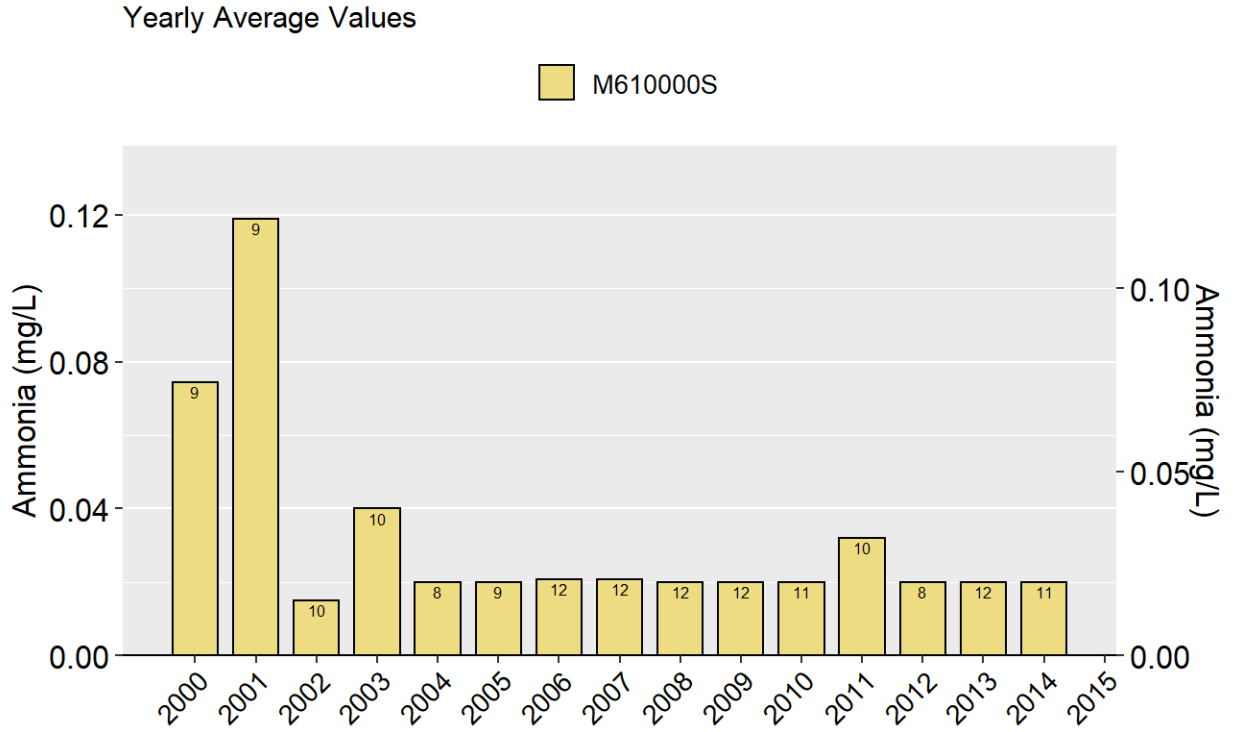


Yearly Geometric Mean Values

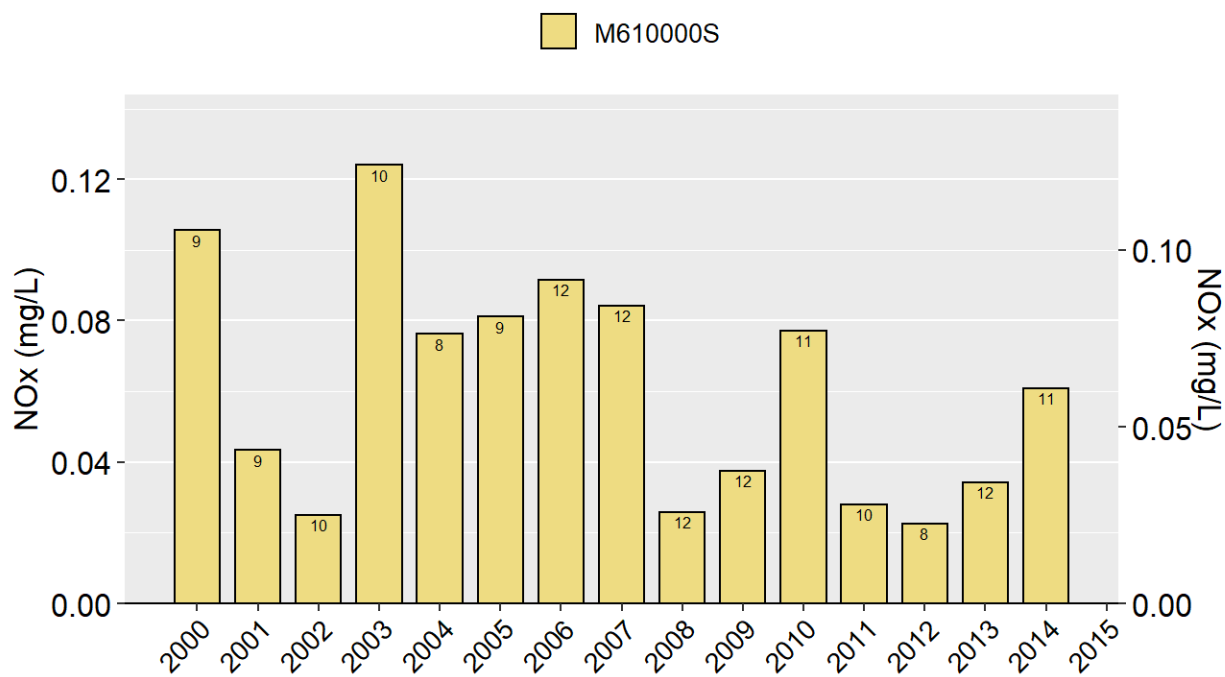


Yearly Average Values

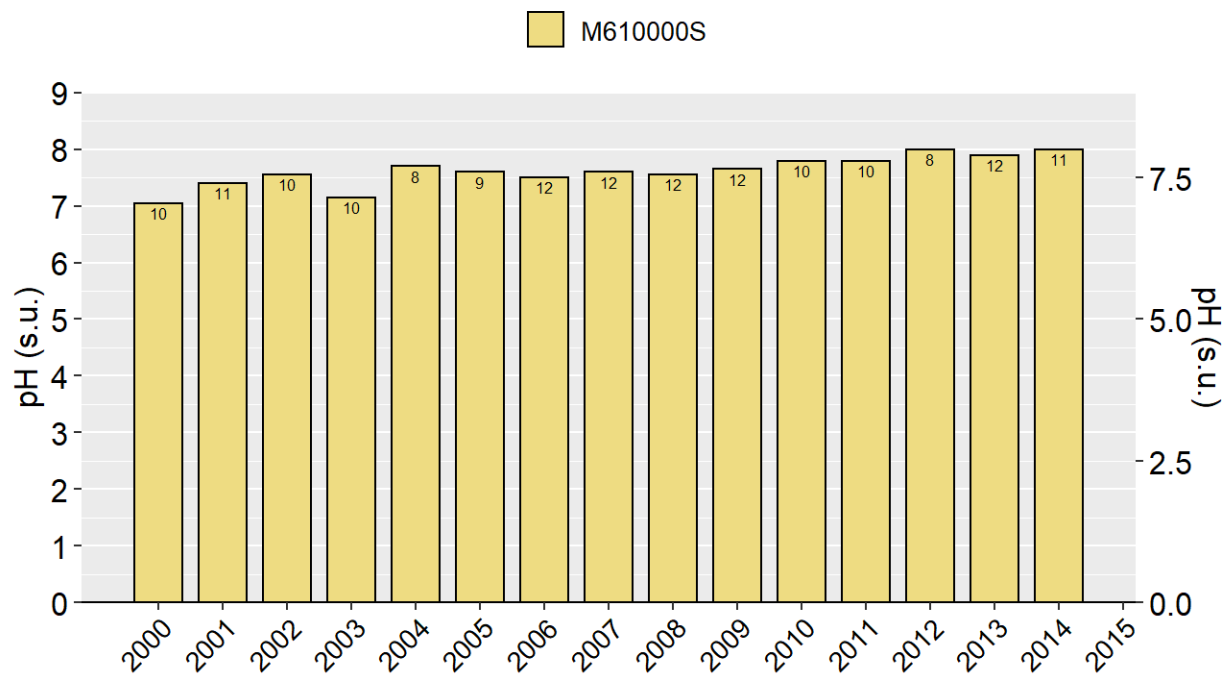




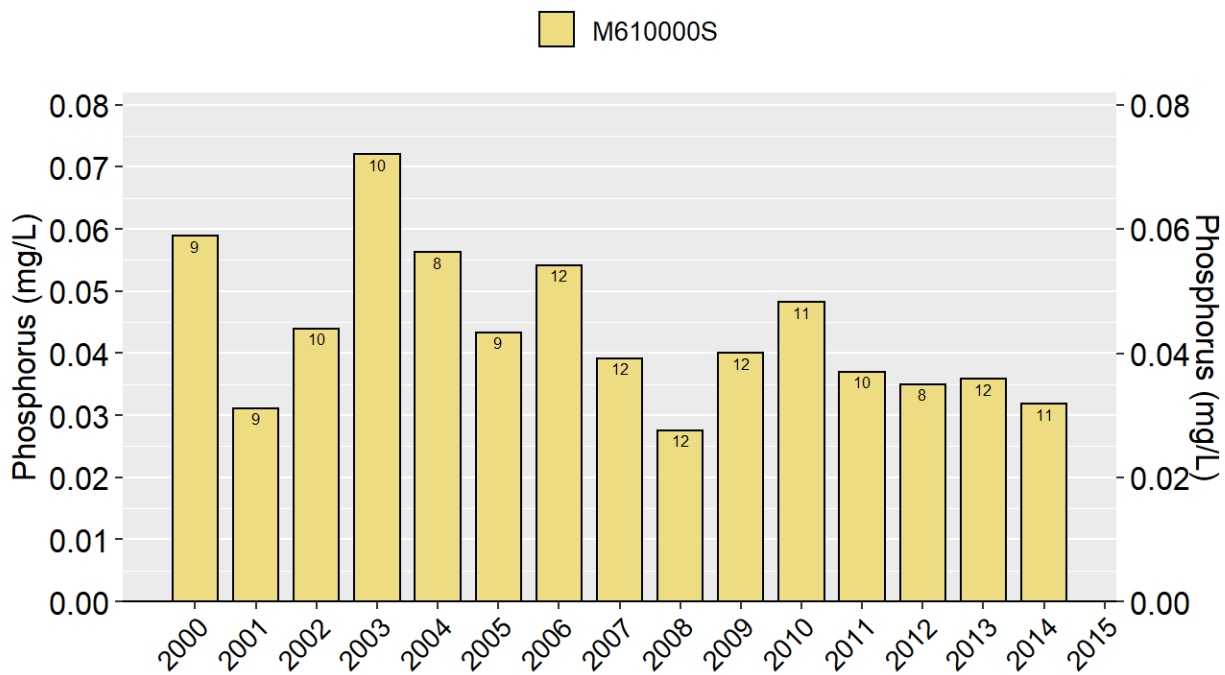
Yearly Average Values



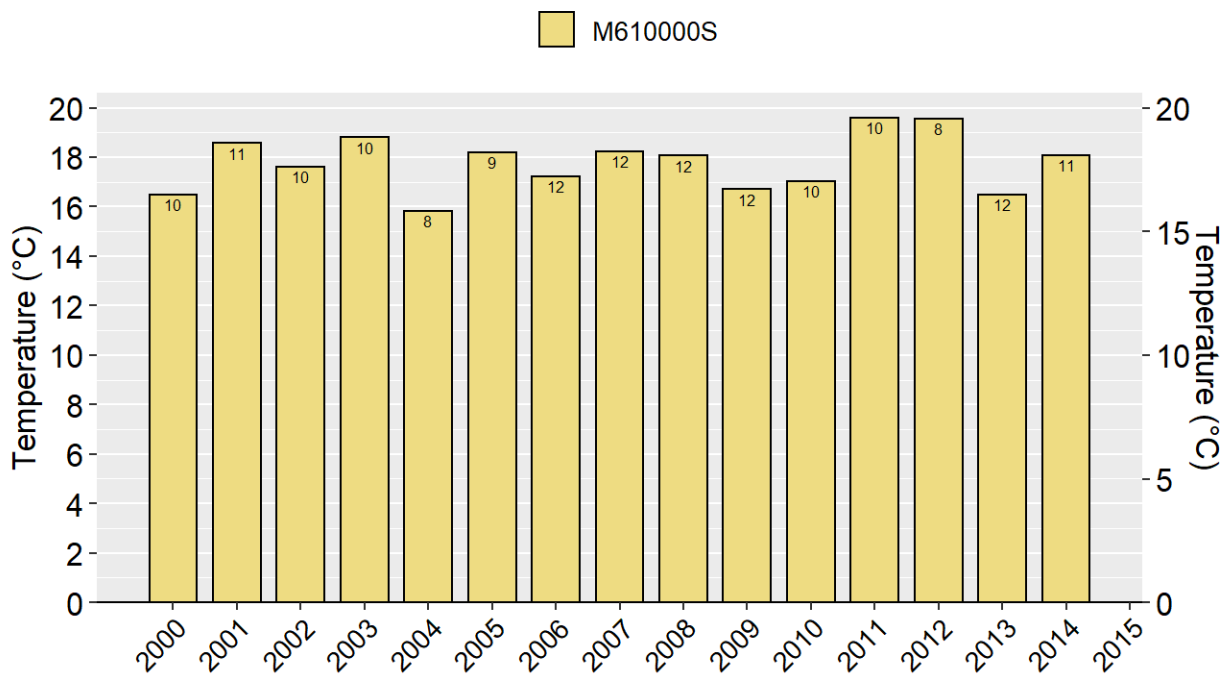
Yearly Median Values



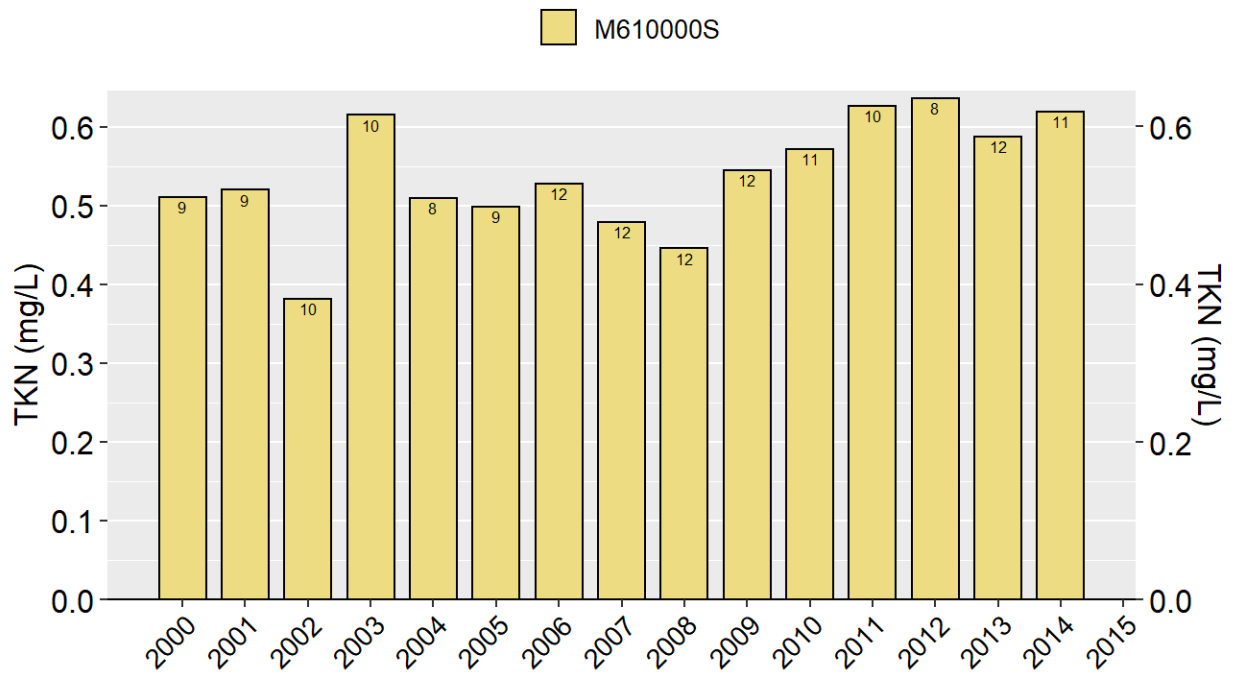
Yearly Average Values



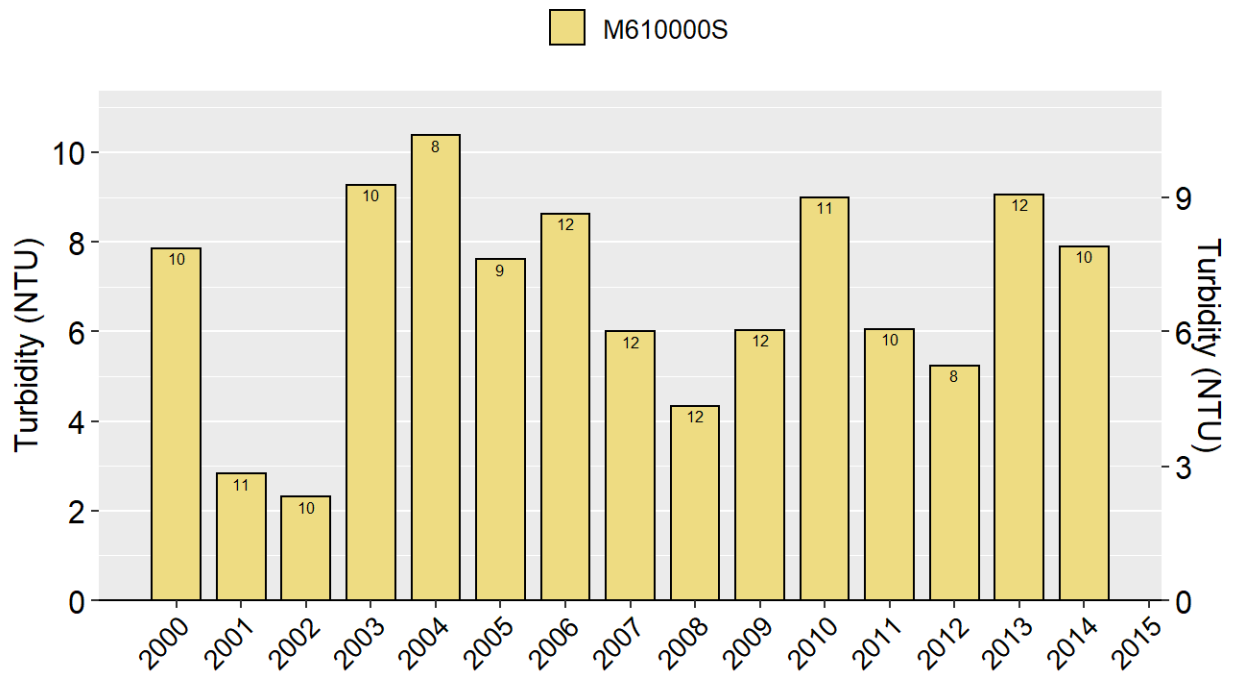
Yearly Average Values



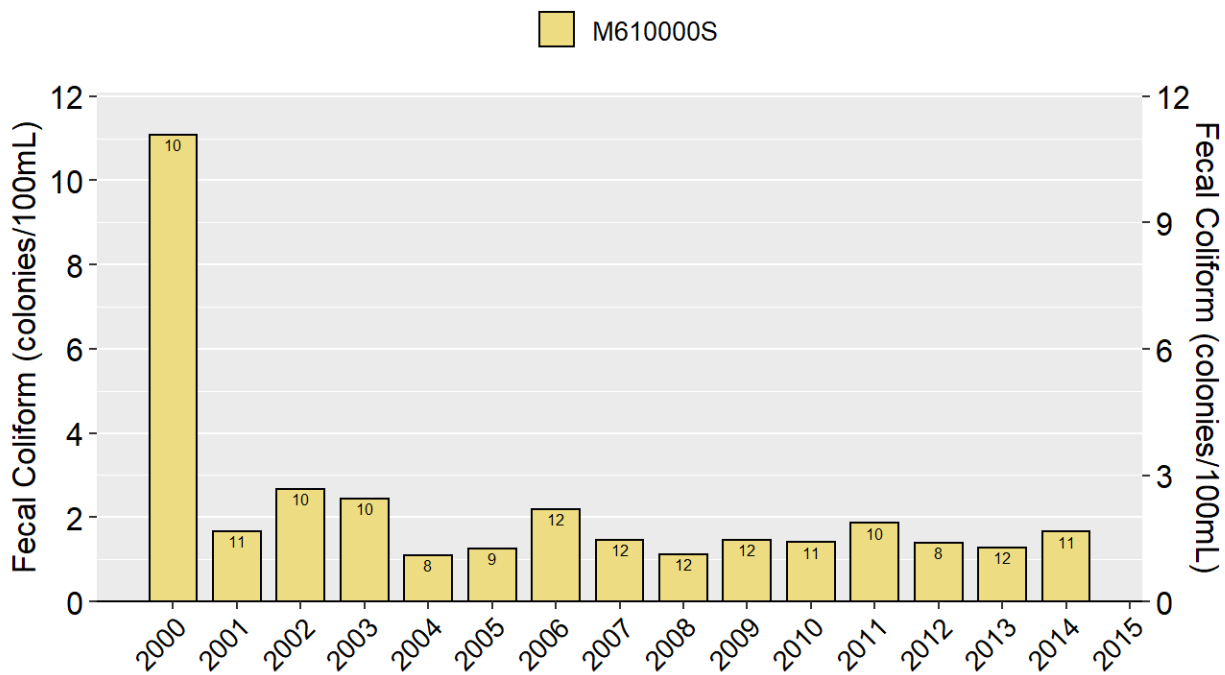
Yearly Average Values



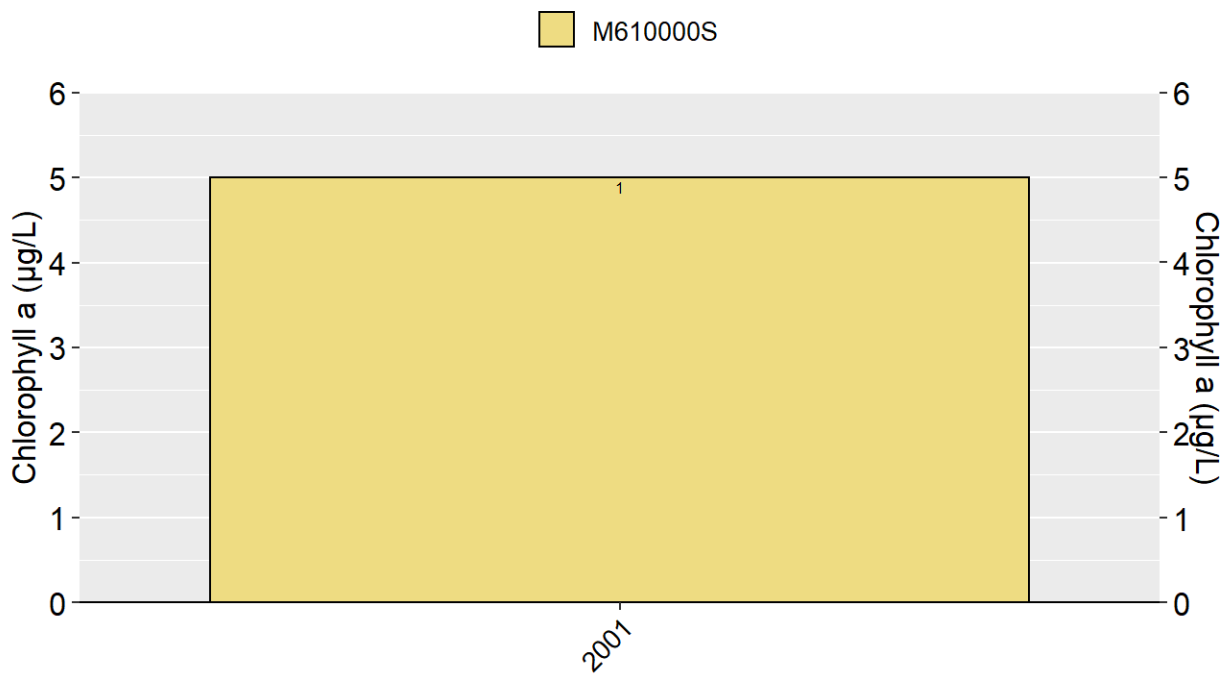
Yearly Average Values



Yearly Geometric Mean Values



Yearly Average Values



Yearly Average Values

