Figs and tables

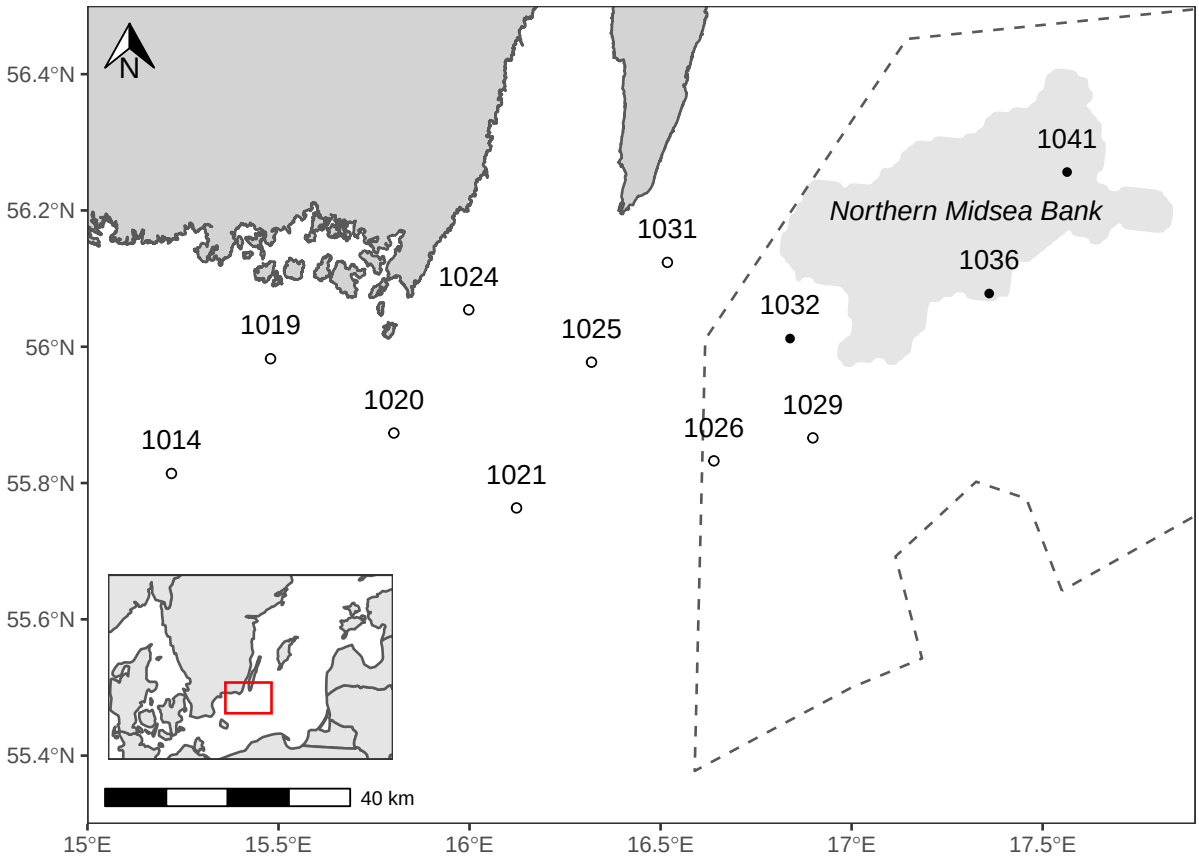

Figure 1: Basic map

SI

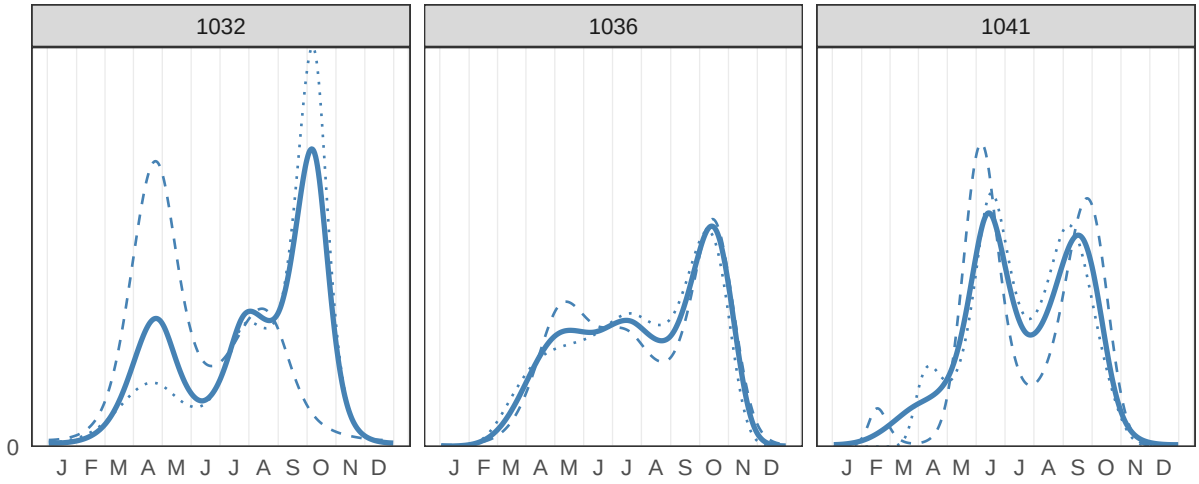

Figure 2: Seasonal components rescaled to unit integral (solid: common, dashed: SAMBAH, dotted: SNMP)

Table 1: Data summary

	Full data							May - October						
	Days reorded		DPD		Daily mean DPH			Days reorded		DPD		Daily mean DPH		
Station	SAMBAH	SNMP	SAMBAH	SNMP	SAMBAH	SNMP	Change DPH (%)	SAMBAH	SNMP	SAMBAH	SNMP	SAMBAH	SNMP	Change DPH (%)
1014	732	943	11	28	0.015	0.036	140	415	466	4	21	0.010	0.056	479
1019	486	708	10	33	0.023	0.066	193	336	366	0	24	0.000	0.085	NA
1020	497	942	9	17	0.020	0.020	0	284	504	2	6	0.007	0.012	69
1021	232	172	5	1	0.030	0.006	-81	147	154	4	1	0.041	0.006	-84
1024	567	296	2	1	0.004	0.003	-4	266	254	0	0	0.000	0.000	NA
1025	634	686	7	8	0.013	0.015	16	356	435	2	5	0.008	0.014	64
1026	293	666	3	18	0.010	0.039	281	234	465	3	14	0.013	0.045	252
1029	272	345	7	14	0.033	0.061	84	272	183	7	10	0.033	0.087	164
1031	682	1015	4	19	0.006	0.020	236	377	527	0	7	0.000	0.013	NA
1032	733	858	21	50	0.030	0.070	133	420	493	14	39	0.036	0.097	173
1036	629	768	304	404	1.332	1.402	5	359	464	236	337	1.855	1.950	5
1041	665	718	61	144	0.123	0.294	138	353	438	56	132	0.212	0.438	106
All stations	6422	8117	444	737	0.157	0.188	20	3819	4749	328	596	0.205	0.265	29

Table 2: Trends DPH

		Power to detect trend based on 10 years data		Years required for 80% power	
Station	Yearly trend %	-5%	5%	-5%	5%
1032	15.9 (0.29, 34)	0.36 (0.11)	0.34 (0.11)	16	16
1036	0.6 (-7.3, 9.2)	0.73 (0.19)	0.69 (0.18)	11	11
1041	12.6 (-4.2, 32)	0.31 (0.11)	0.29 (0.1)	17	17
1032+1041+1036	2.4 (-4.4, 9.6)	0.86 (0.24)	0.82 (0.22)	10	10

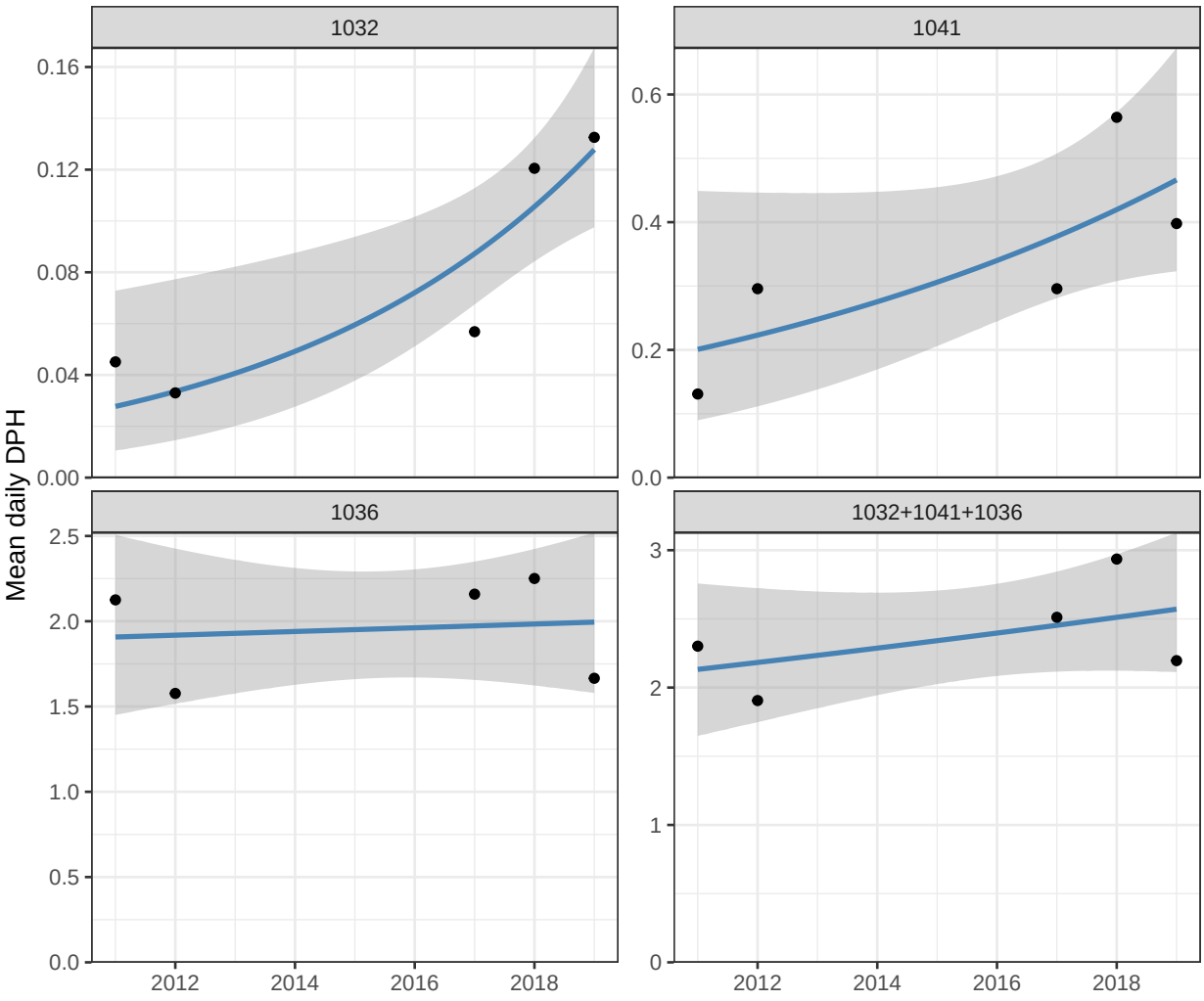

Figure 3: Yearly indices with fitted trends.

Table 3: Trends for various metrics

	Yearly change (%) with 95% confidence intervals				
Station	DPH	DPS	Clicks	Encounters	Click trains
1032	15.9 (0.29, 34)	24 (10, 39)	26.6 (8.4, 48)	16.4 (1.4, 34)	21.9 (0.97, 47)
1036	0.6 (-7.3, 9.2)	-0.9 (-14, 14)	-0.4 (-17, 19)	0.6 (-7.3, 9.3)	1.7 (-9.1, 14)
1041	12.6 (-4.2, 32)	12.2 (-7.2, 36)	10.1 (-14, 40)	12.8 (-4.7, 34)	12.7 (-8, 38)
1032+1041+1036	2.4 (-4.4, 9.6)	0.6 (-11, 14)	0.9 (-14, 19)	2.4 (-4.3, 9.6)	3.1 (-7.2, 14)

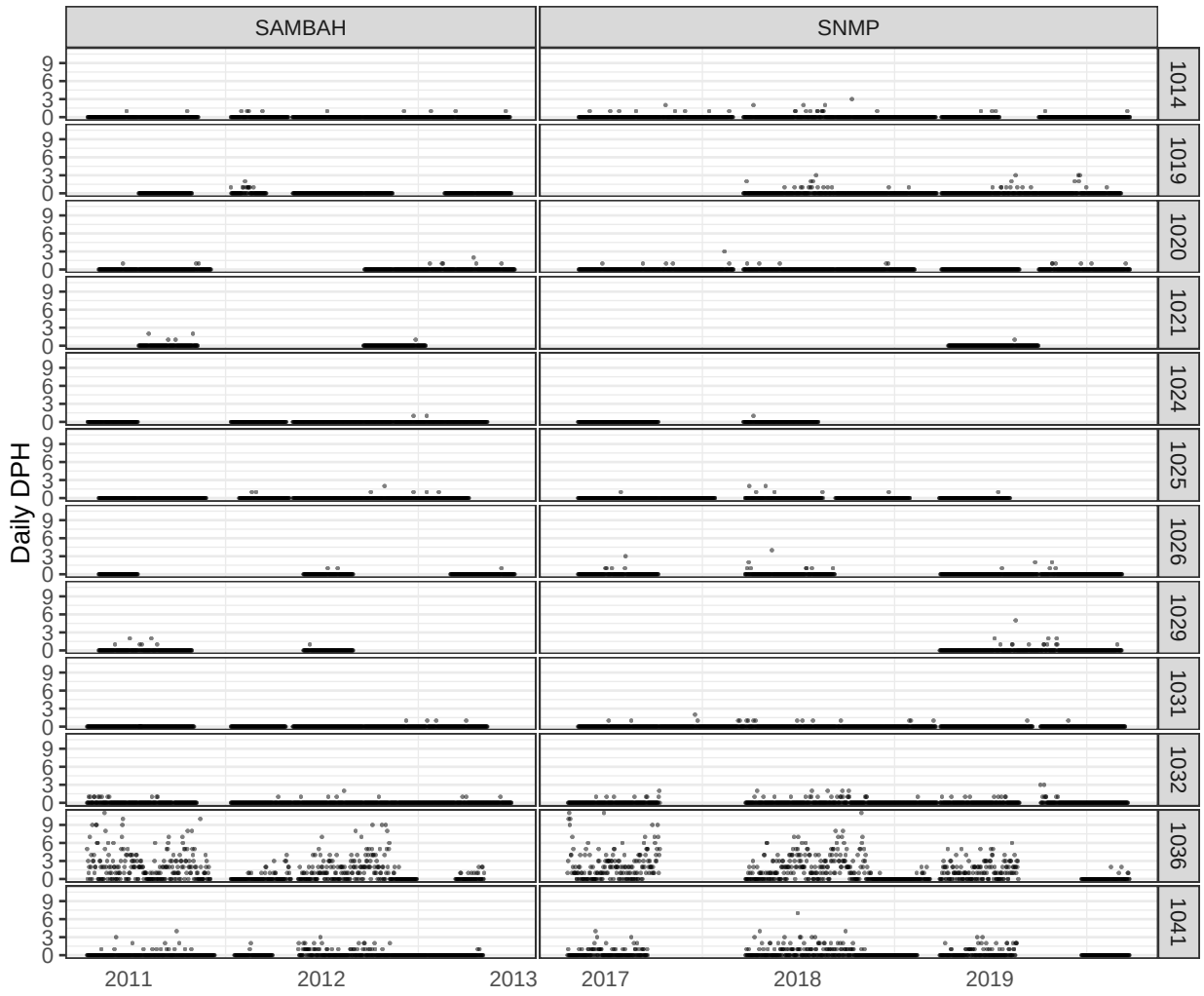

Figure 4: Full data

Table 4: Trends DPS

		Power to detect trend based on 10 years data		Years required for 80% power	
Station	Yearly trend %	-5%	5%	-5%	5%
1032	24 (10, 39)	0.49 (0.14)	0.46 (0.13)	14	14
1036	-0.9 (-14, 14)	0.37 (0.12)	0.34 (0.11)	16	16
1041	12.2 (-7.2, 36)	0.25 (0.1)	0.24 (0.09)	19	19
1032+1041+1036	0.6 (-11, 14)	0.45 (0.13)	0.42 (0.13)	14	15

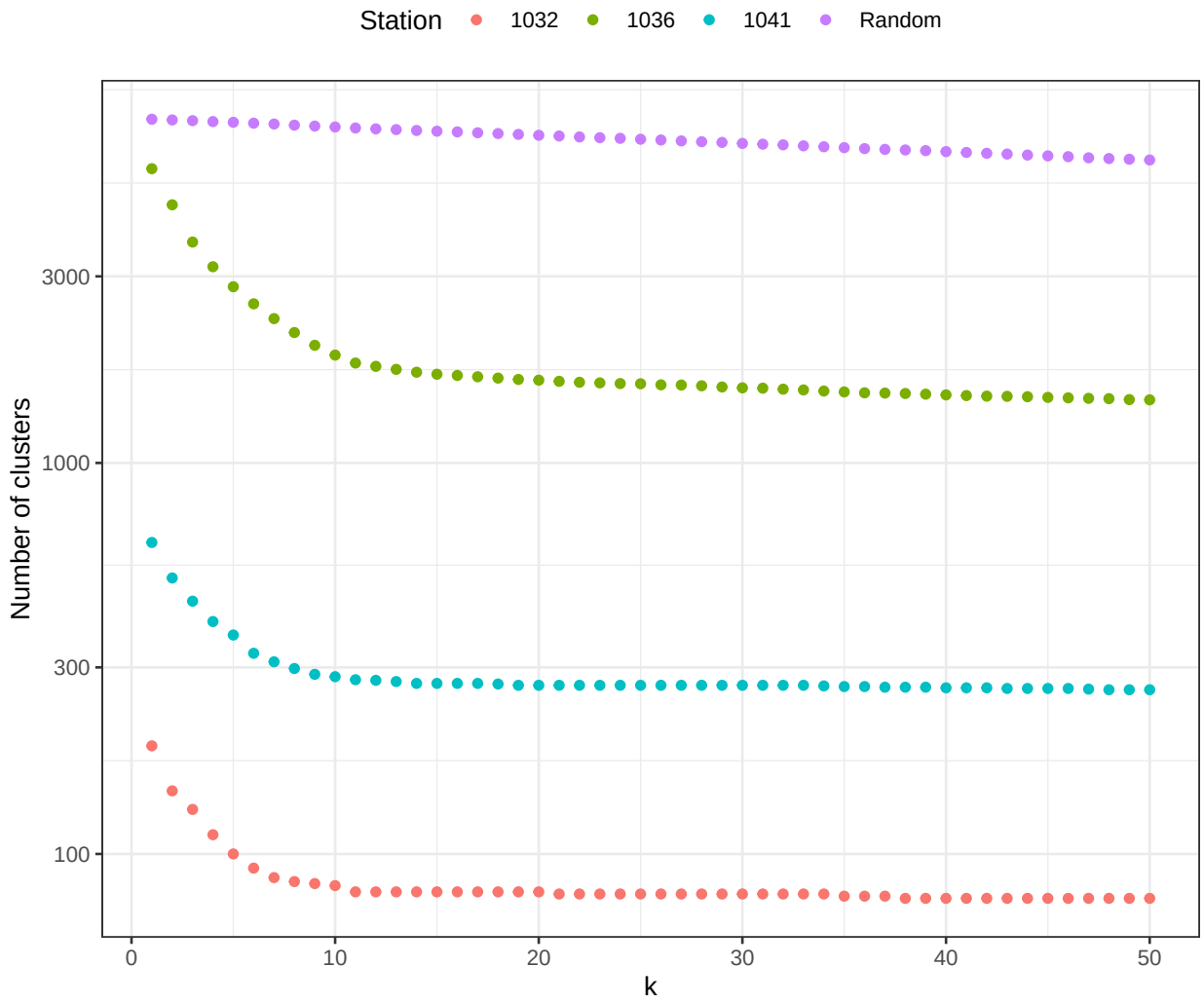

Figure 5: Choosing cut-off for clustering

Table 5: Trends clicks

		Power to detect trend based on 10 years data		Years required for 80% power	
Station	Yearly trend %	-5%	5%	-5%	5%
1032	26.6 (8.4, 48)	0.33 (0.11)	0.31 (0.11)	16	17
1036	-0.4 (-17, 19)	0.28 (0.1)	0.26 (0.1)	18	18
1041	10.1 (-14, 40)	0.19 (0.08)	0.18 (0.08)	22	22
1032+1041+1036	0.9 (-14, 19)	0.3 (0.1)	0.28 (0.1)	17	17

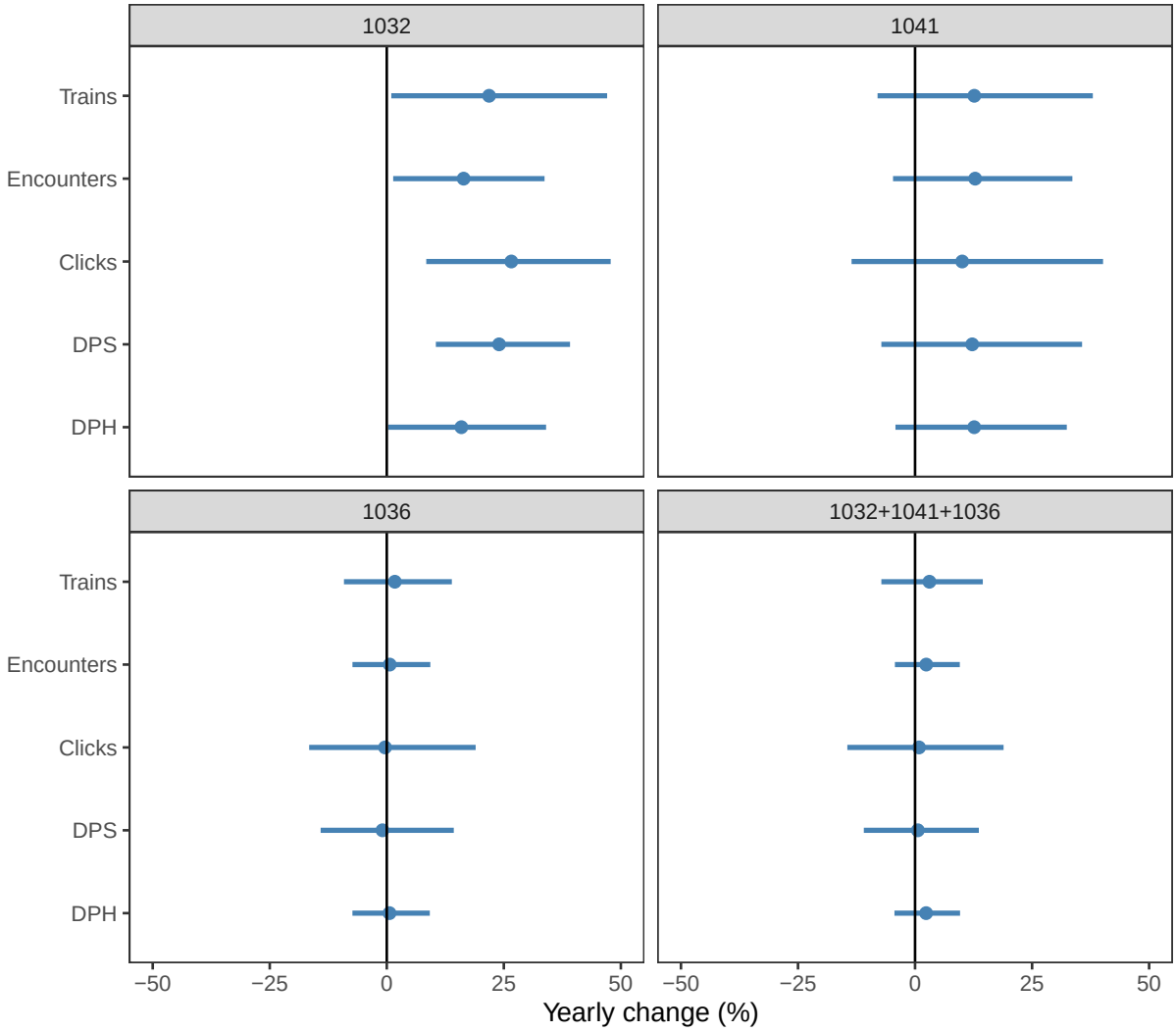

Figure 6: Trends for all metrics with confidence interval

Table 6: Trends encounters

		Power to detect trend based on 10 years data		Years required for 80% power	
Station	Yearly trend %	-5%	5%	-5%	5%
1032	16.4 (1.4, 34)	0.38 (0.12)	0.36 (0.11)	15	16
1036	0.6 (-7.3, 9.3)	0.73 (0.19)	0.69 (0.18)	11	11
1041	12.8 (-4.7, 34)	0.29 (0.1)	0.28 (0.1)	17	18
1032+1041+1036	2.4 (-4.3, 9.6)	0.86 (0.24)	0.83 (0.23)	10	10

Table 7: Trends click trains

		Power to detect trend based on 10 years data		Years required for 80% power	
Station	Yearly trend %	-5%	5%	-5%	5%
1032	21.9 (0.97, 47)	0.26 (0.1)	0.24 (0.09)	18	19
1036	1.7 (-9.1, 14)	0.5 (0.14)	0.47 (0.13)	13	14
1041	12.7 (-8, 38)	0.23 (0.09)	0.22 (0.09)	19	20
1032+1041+1036	3.1 (-7.2, 14)	0.55 (0.15)	0.52 (0.14)	13	13

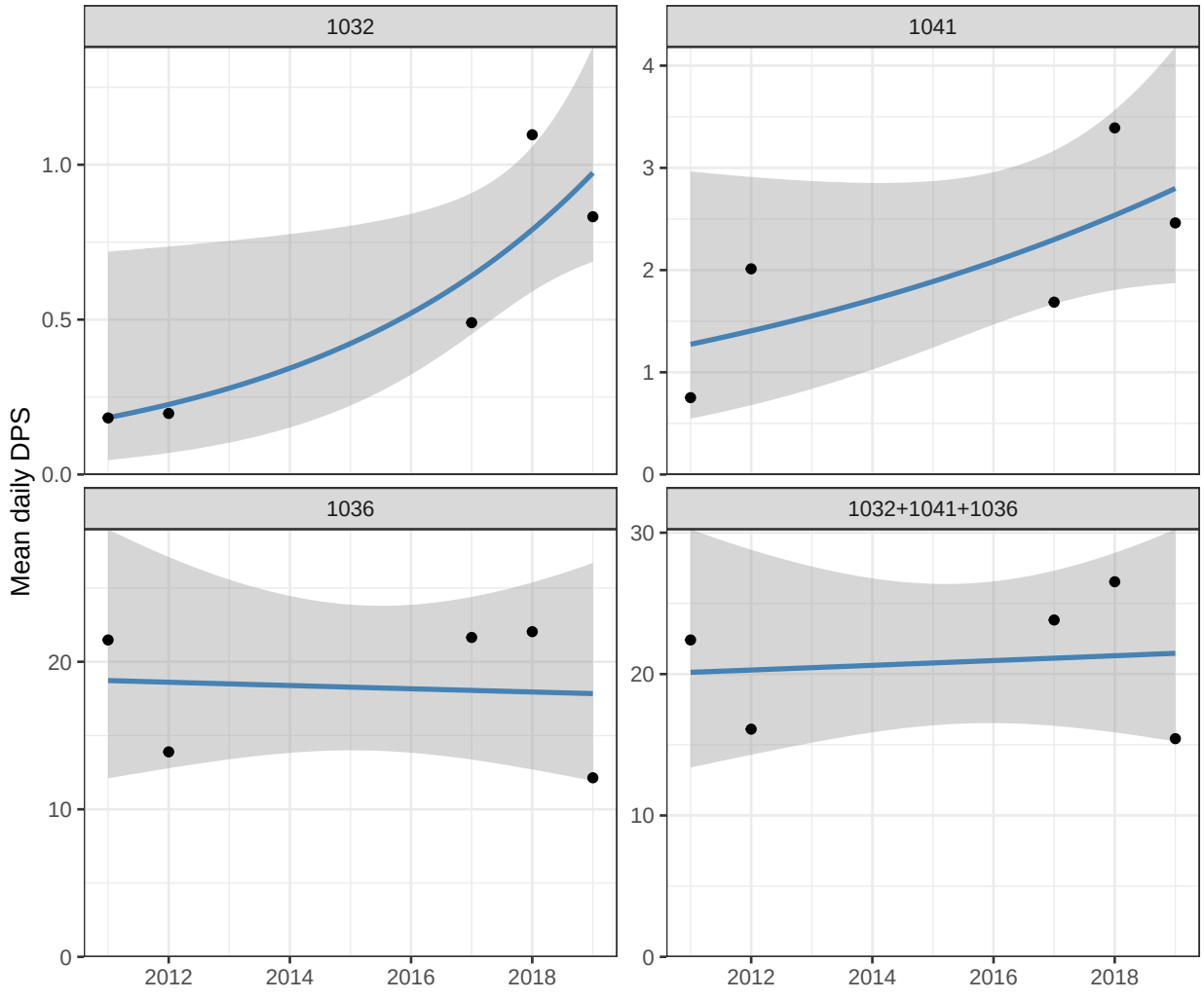

Figure 7: Yearly indices with fitted trends.

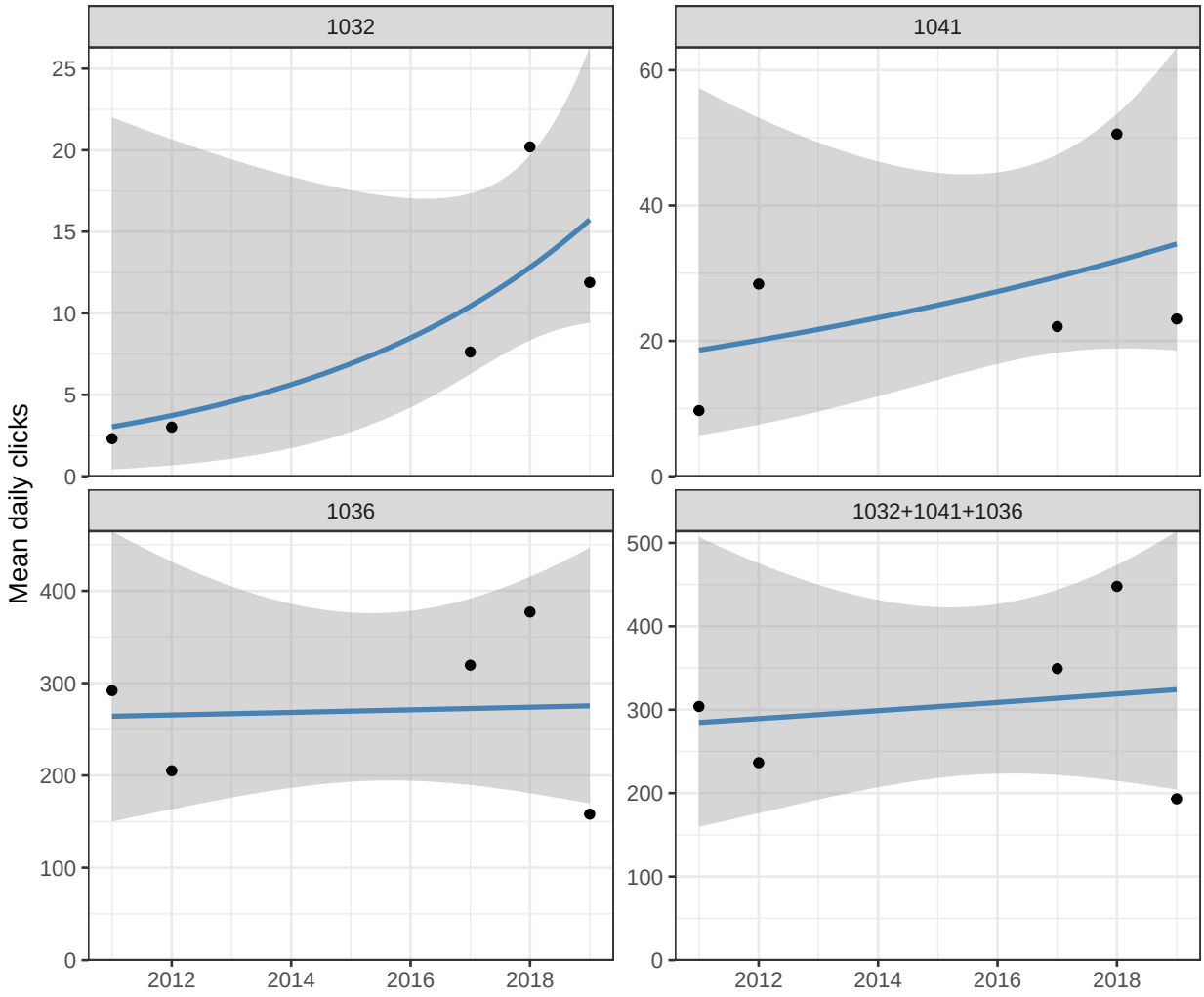

Figure 8: Yearly indices with fitted trends.

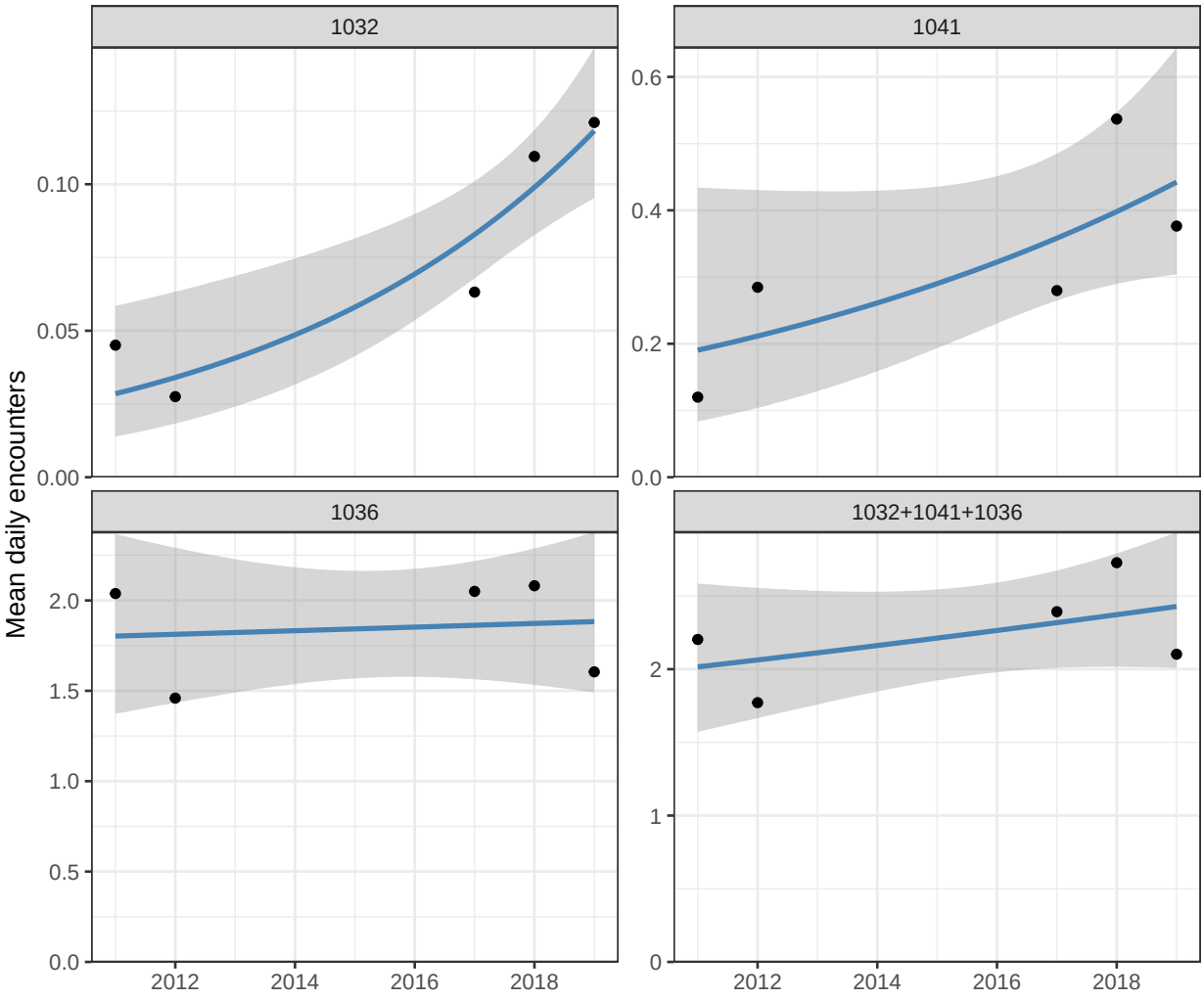

Figure 9: Yearly indices with fitted trends.

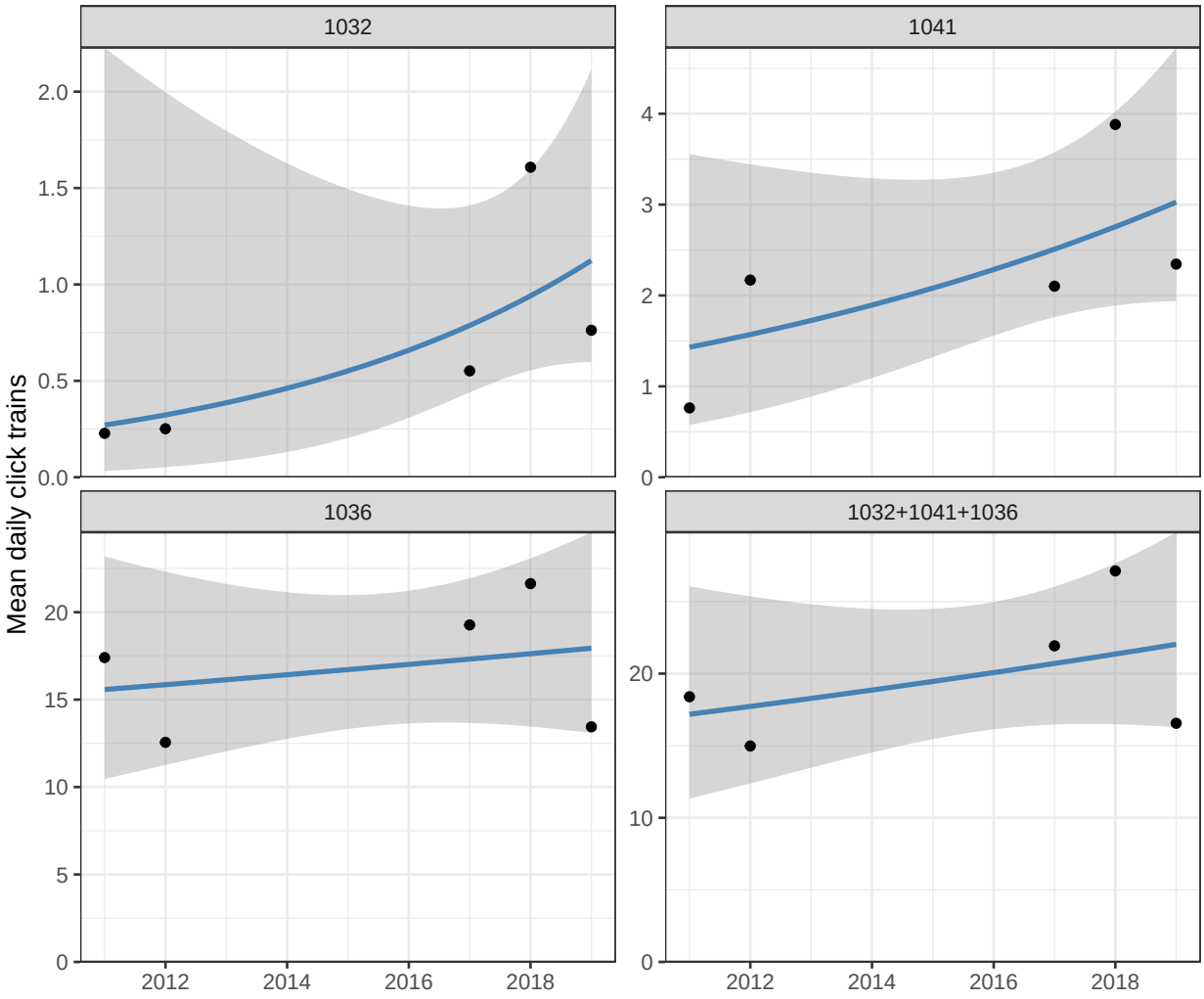

Figure 10: Yearly indices with fitted trends.