

S1 Table. Estimates for main environmental predictors obtained from species-specific (69 spp) Generalized Additive Models. Models exclusively retained those habitat predictors with significant effect on species occurrence (see Material and methods). Thus, empty spaces indicate that these particular variables had no significant effect on species occurrence.

Guild	Spp	Generalized Additive Models			
		Salinity	Depth	Isolation	Hydroperiod
Dabbling ducks	<i>Anas acuta</i>	-0.034	0.804	3.098	-0.037
	<i>Anas clypeata</i>	-0.04		0.807	
	<i>Anas crecca</i>	-0.03		-1.321	-0.019
	<i>Anas penelope</i>		1.265	2.789	-0.048
	<i>Anas platyrhynchos</i>	-0.019		-0.897	
	<i>Anas strepera</i>	-0.064	0.774	0.632	-0.042
	<i>Anser anser</i>	-0.092		6.251	
	<i>Tadorna tadorna</i>	-0.045	0.932	4.014	
Diving birds	<i>Aythya ferina</i>	-0.032	1.352	5.007	-0.036
	<i>Netta rufina</i>	-0.024	4.231		-0.115
	<i>Oxyura leucocephala</i>	0.04			-0.058
	<i>Phalacrocorax carbo</i>	0.016	0.819	-1.228	0.089
	<i>Podiceps cristatus</i>	-0.014	1.918	4.423	0.08
	<i>Podiceps nigricollis</i>	0.041	2.139		-0.026
	<i>Tachybaptus ruficollis</i>	-0.057	0.341	0.787	0.042
Fishing birds	<i>Chlidonias hybrida</i>	-0.054		1.541	0.054
	<i>Chlidonias niger</i>			2.975	
	<i>Larus audouinii</i>	0.033	-1.085	-8.773	0.795
	<i>Larus fuscus</i>	0.026	0.913	-1.738	
	<i>Larus genei</i>	0.048	0.637	6.024	0.086
	<i>Larus michahellis</i>	0.059	0.929		
	<i>Larus ridibundus</i>	0.03	0.854		
	<i>Pandion haliaetus</i>	0.029	1.07	1.481	-0.032
	<i>Sterna albifrons</i>	0.025	0.793		0.061
	<i>Sterna caspia</i>	0.028	1.231		0.13
	<i>Sterna nilotica</i>		-0.752	2.122	
Large wading birds	<i>Sterna sandvicensis</i>	0.05	1.854	-4.191	
	<i>Ardea cinerea</i>	0.005		1.168	0.035
	<i>Ardea purpurea</i>	-0.116	-0.637	5.342	0.041
	<i>Ardeola ralloides</i>	-0.146		5.501	0.07
	<i>Bubulcus ibis</i>	-0.032	-0.148		
	<i>Ciconia ciconia</i>		0.99		-0.034
	<i>Egretta alba</i>	0.016	-0.99	5.022	0.054
	<i>Egretta garzetta</i>	0.011		0.726	0.046
	<i>Ixobrychus minutus</i>	-0.142		2.722	0.129
	<i>Nycticorax nycticorax</i>	-0.066		4.033	0.072
	<i>Phoenicopterus roseus</i>	0.015	-0.253	3.074	
	<i>Platalea leucorodia</i>			0.922	0.053
	<i>Plegadis falcinellus</i>	-0.077	-1.284	4.327	0.03
	Raptors	<i>Circus aeruginosus</i>			2.092
<i>Milvus migrans</i>		-0.032	-0.317	3.38	
<i>Milvus milvus</i>		-0.018	-1.117	5.331	

Small wading birds	<i>Actitis hypoleucos</i>		1.304		
	<i>Arenaria interpres</i>	0.041	1.351	2.373	0.052
	<i>Calidris alba</i>	0.041			
	<i>Calidris alpina</i>	0.037	0.446	-0.989	-0.015
	<i>Calidris ferruginea</i>	0.021			0.021
	<i>Calidris minuta</i>	0.029	-0.696		-0.018
	<i>Charadrius alexandrinus</i>	0.047	0.838		-0.05
	<i>Charadrius dubius</i>	-0.025		-5.145	-0.018
	<i>Charadrius hiaticula</i>	0.037	0.926		-0.013
	<i>Gallinago gallinago</i>	-0.034	-0.543	-3.296	
	<i>Glareola pratincola</i>	-0.08	-1.203		
	<i>Haematopus ostralegus</i>	0.046	1.603	-9.216	
	<i>Himantopus himantopus</i>	0.013	-0.198		
	<i>Limosa lapponica</i>	0.029	1.224		
	<i>Limosa limosa</i>		-0.24	1.349	
	<i>Numenius arquata</i>	0.032	1.518		
	<i>Numenius phaeopus</i>	0.039	1.729	-7.233	0.093
	<i>Pluvialis squatarola</i>	0.042	1.602	-1.406	-0.026
	<i>Recurvirostra avosetta</i>	0.039		0.935	-0.032
	<i>Tringa nebularia</i>	0.026	0.223	-0.894	
<i>Tringa ochropus</i>	-0.019	-0.354	-2.069		
<i>Tringa totanus</i>	0.041			0.012	
<i>Vanellus vanellus</i>	-0.07	-0.597	0.849	-0.029	
Vegetation gleaners	<i>Fulica atra</i>	-0.096		1.818	0.062
	<i>Fulica cristata</i>	-0.057	1.133	4.843	0.041
	<i>Gallinula chloropus</i>	-0.078	0.306		0.028
	<i>Porphyrio porphyrio</i>	-0.141	-0.285	2.185	0.073
