

Joint species distribution models for St. Lawrence taxa

David Beauchesne

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Individual taxon diagnostics from HMSC model

This document is used as a

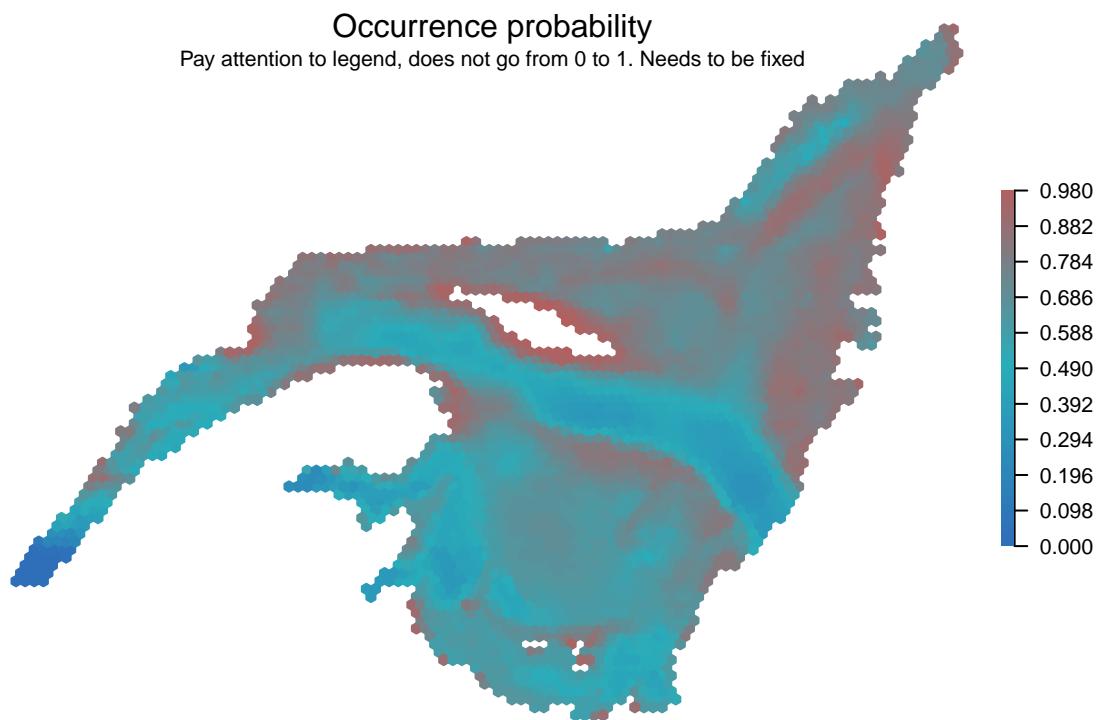
Taxa: Porifera

Table 1: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.41	0.3	0.52	0
Prof	-0.39	-0.57	-0.22	17.77
SSAL_MEAN	0.57	0.32	0.81	33.9
SalMoyMoy	-0.07	-0.28	0.09	1.46
TempMoyMoy	-0.18	-0.4	0.04	4.6
STEMMEAN	-0.13	-0.31	0.05	2.3
BTEMMEAN	0.32	0.15	0.49	11.04
O2_Sat_Mea	-0.4	-0.59	-0.22	17.29
LaDeTow	0.04	-0.1	0.17	0.68
LoDeTow	-0.15	-0.36	0.08	3.14

Tjur's R^2 : 0.17

AUC: 0.74 ± 0.04



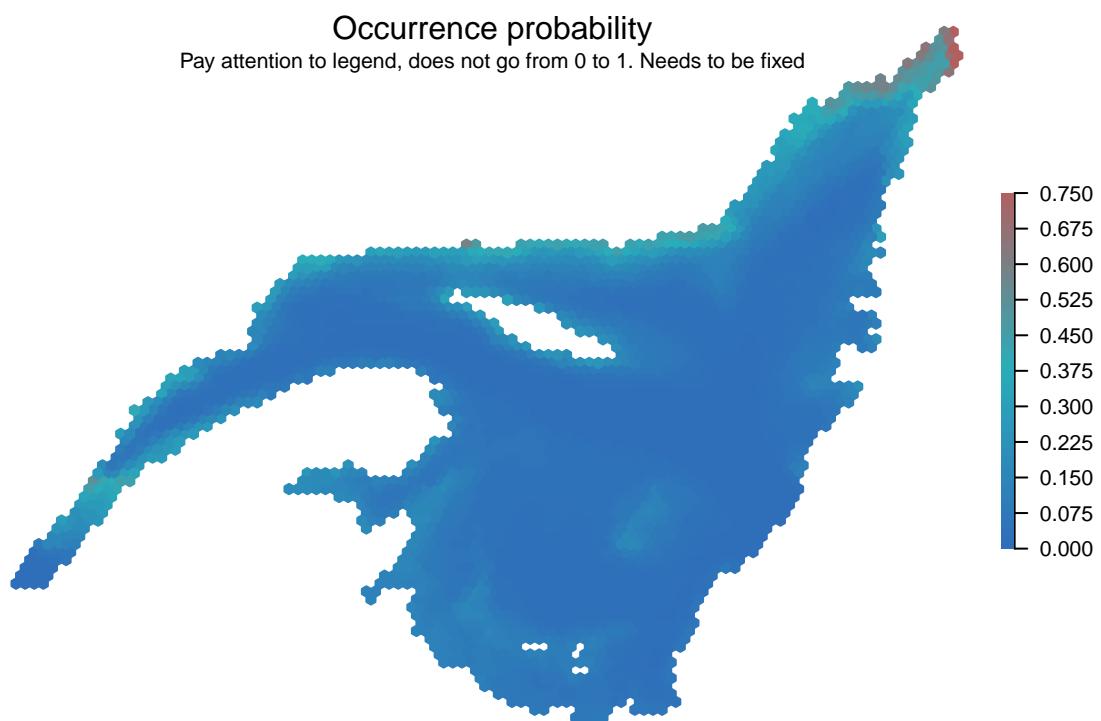
Taxa: Bryozoa

Table 2: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.61	-1.8	-1.42	0
Prof	-0.43	-0.71	-0.14	36.63
SSAL_MEAN	0.17	-0.13	0.48	7.78
SalMoyMoy	-0.09	-0.34	0.07	3.67
TempMoyMoy	0.11	-0.13	0.37	4.7
STEMMEAN	-0.29	-0.53	-0.05	17.28
BTEMMEAN	0.09	-0.17	0.36	3.93
O2_Sat_Mea	0.09	-0.15	0.31	4.45
LaDeTow	0.22	0.04	0.39	11.16
LoDeTow	-0.13	-0.43	0.15	5.95

Tjur's R² : 0.22

AUC: 0.77 ± 0.05



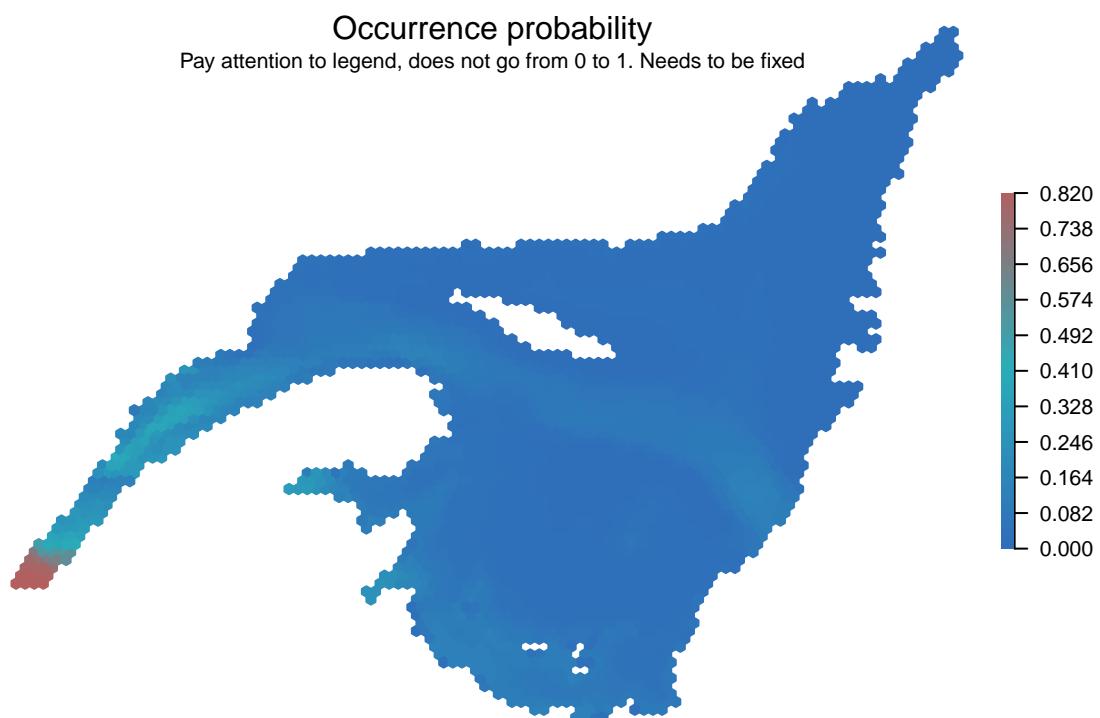
Taxa: *Mytilus* sp.

Table 3: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.85	-2.09	-1.62	0
Prof	0.29	0.04	0.53	14.43
SSAL_MEAN	-0.31	-0.63	0	18.82
SalMoyMoy	0.08	-0.15	0.4	3.85
TempMoyMoy	0.12	-0.24	0.47	5.92
STEMMEAN	-0.22	-0.52	0.11	10.68
BTEMMEAN	0.09	-0.17	0.35	3.51
O2_Sat_Mea	0.09	-0.17	0.36	3.42
LaDeTow	-0.24	-0.45	-0.02	11.08
LoDeTow	-0.19	-0.53	0.14	9.46

Tjur's R² : 0.18

AUC: 0.82 ± 0.07



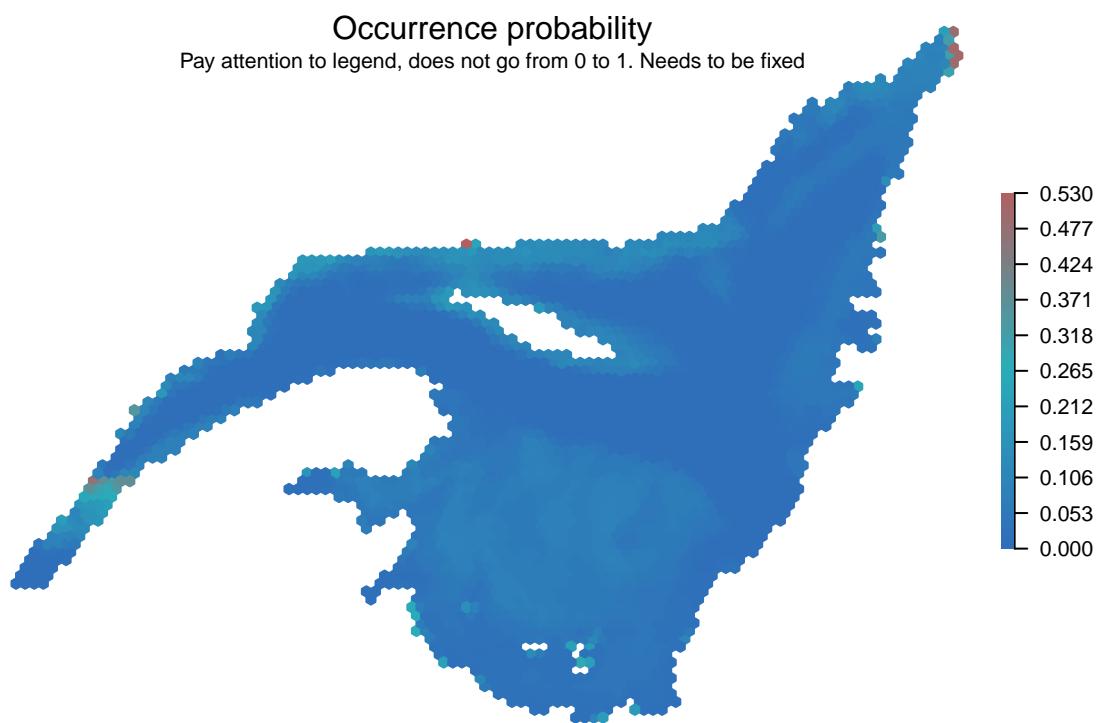
Taxa: Chlamys islandica

Table 4: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.24	-2.59	-1.93	0
Prof	-0.88	-1.32	-0.48	64.47
SSAL_MEAN	0.34	-0.08	0.7	11.7
SalMoyMoy	-0.15	-0.42	0.02	3.13
TempMoyMoy	-0.16	-0.43	0.12	4.48
STEMMEAN	0	-0.25	0.28	1.49
BTEMMEAN	-0.12	-0.45	0.18	3.59
O2_Sat_Mea	0.07	-0.19	0.3	2.1
LaDeTow	0.08	-0.12	0.26	1.41
LoDeTow	-0.23	-0.57	0.14	6.5

Tjur's R² : 0.28

AUC: 0.9 ± 0.05



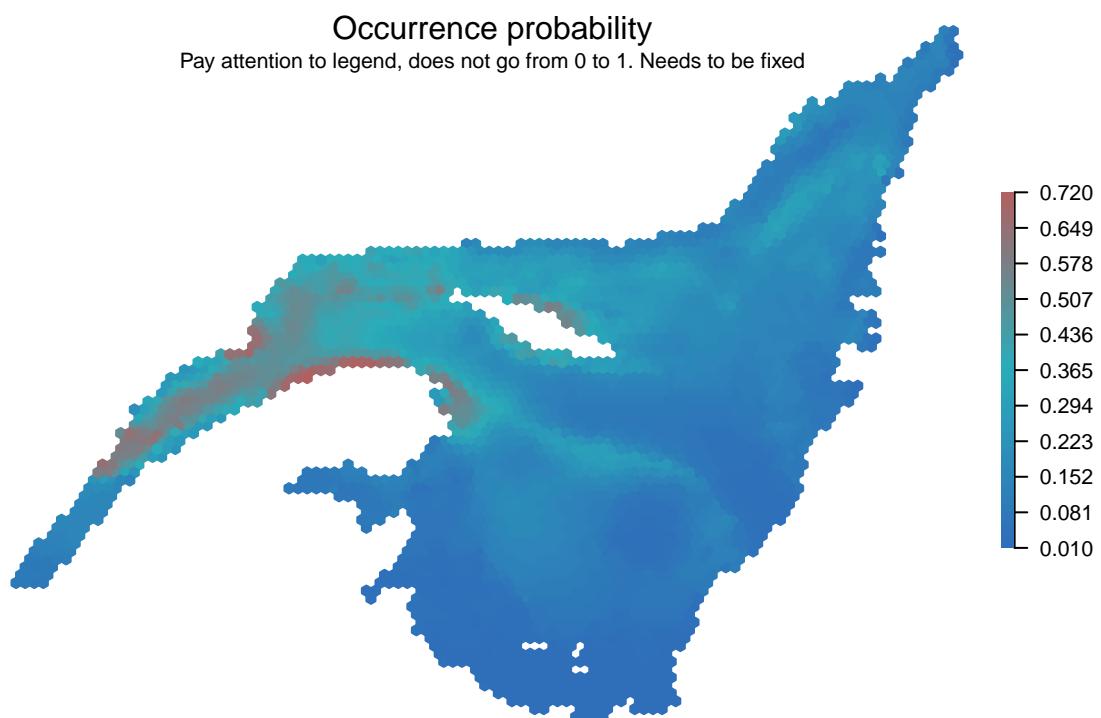
Taxa: Astarte sp.

Table 5: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.08	-1.2	-0.95	0
Prof	-0.18	-0.41	0.03	7.28
SSAL_MEAN	0.08	-0.18	0.34	3.15
SalMoyMoy	0.14	-0.06	0.45	5.37
TempMoyMoy	-0.23	-0.49	-0.01	9.99
STEMMEAN	-0.09	-0.29	0.1	2.58
BTEMMEAN	0.16	-0.04	0.38	5.2
O2_Sat_Mea	-0.43	-0.63	-0.23	29.84
LaDeTow	0.28	0.14	0.43	13.81
LoDeTow	-0.34	-0.58	-0.11	19.97

Tjur's R² : 0.1

AUC: 0.73 ± 0.04



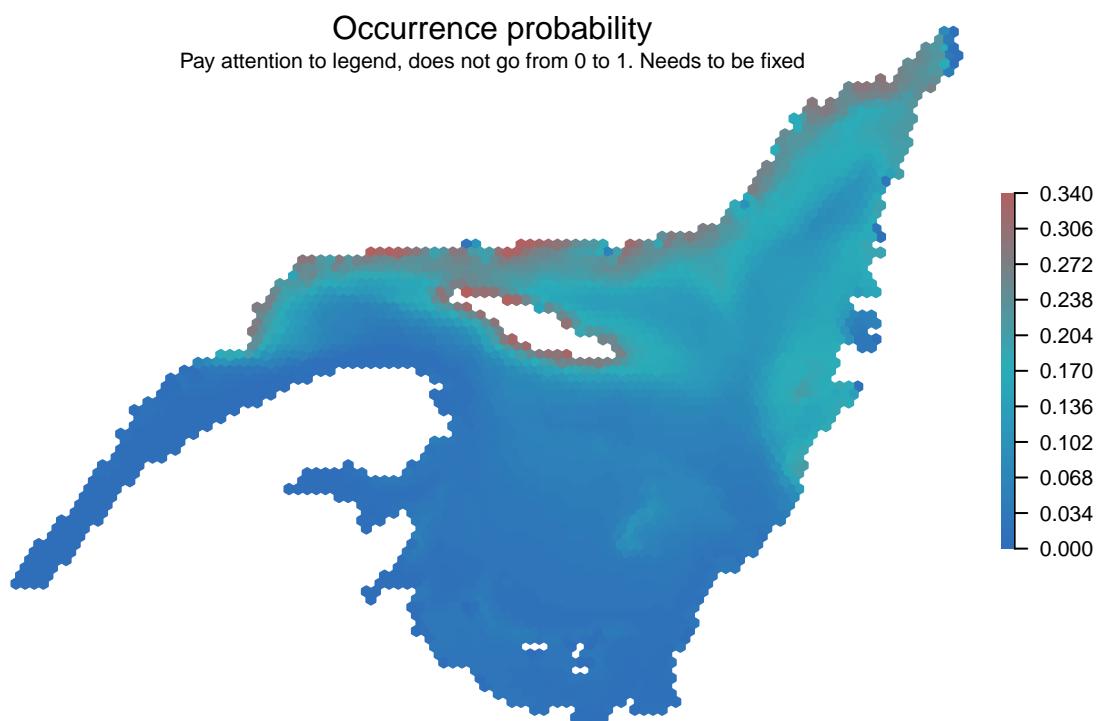
Taxa: *Arrhoges occidentalis*

Table 6: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.64	-1.89	-1.42	0
Prof	-0.19	-0.46	0.08	3.84
SSAL_MEAN	1.1	0.6	1.65	73.02
SalMoyMoy	0.27	-0.02	0.66	6.36
TempMoyMoy	-0.02	-0.32	0.25	1.25
STEMMEAN	-0.13	-0.38	0.12	1.88
BTEMMEAN	0.16	-0.1	0.43	2.52
O2_Sat_Mea	0.04	-0.2	0.29	1.19
LaDeTow	0.15	-0.02	0.32	2.05
LoDeTow	-0.31	-0.63	0.02	6.51

Tjur's R² : 0.06

AUC: 0.73 ± 0.05



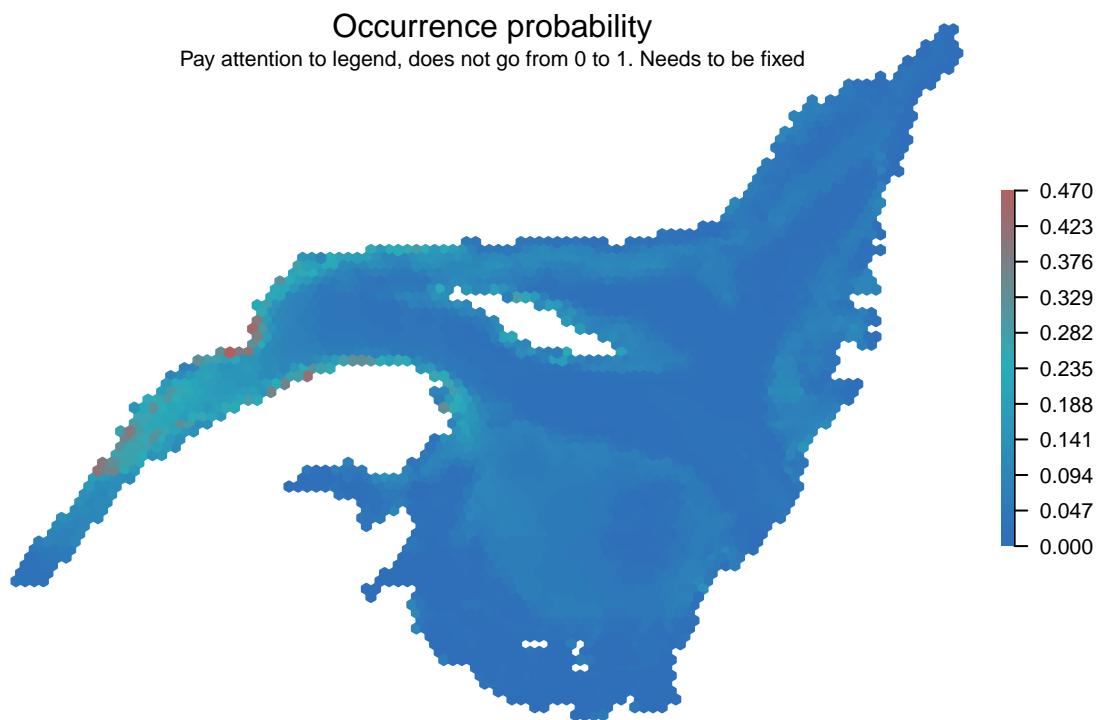
Taxa: Naticidae

Table 7: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.79	-1.97	-1.62	0
Prof	0.1	-0.16	0.37	2.77
SSAL_MEAN	0.17	-0.13	0.5	4.3
SalMoyMoy	0.18	-0.08	0.57	5.7
TempMoyMoy	-0.55	-0.85	-0.26	31.92
STEMMEAN	-0.26	-0.52	0.03	7.81
BTEMMEAN	0.43	0.16	0.72	19.5
O2_Sat_Mea	-0.15	-0.39	0.11	3.66
LaDeTow	-0.08	-0.26	0.1	1.77
LoDeTow	-0.41	-0.72	-0.11	17.76

Tjur's R^2 : 0.07

AUC: 0.78 ± 0.07



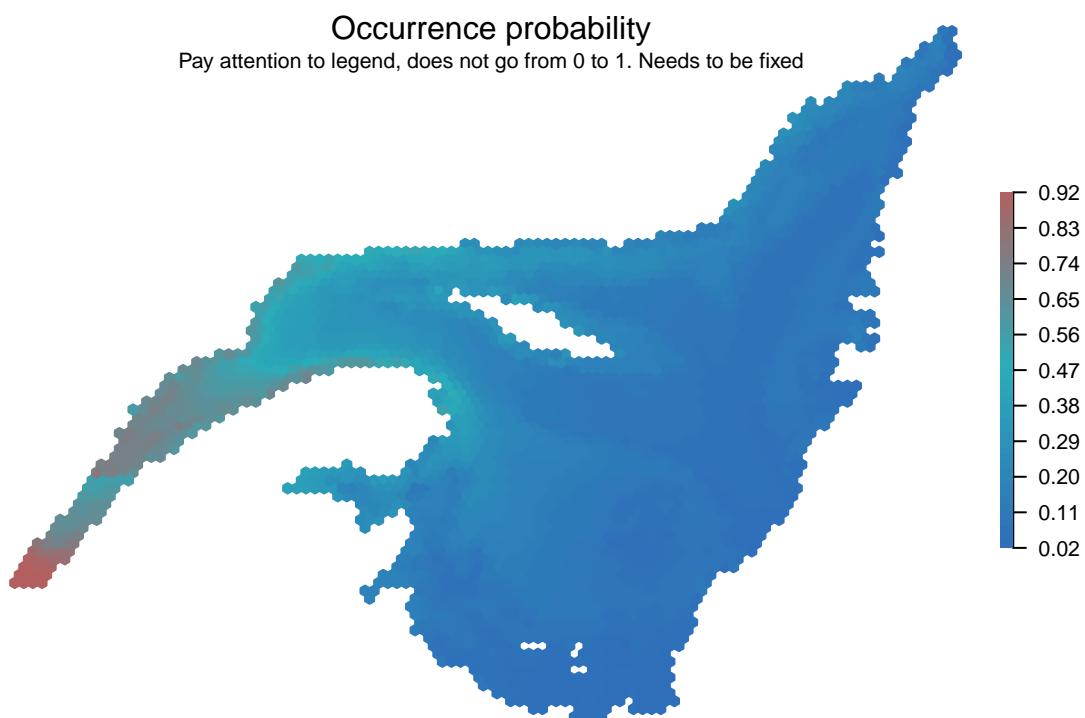
Taxa: Buccinum sp.

Table 8: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.05	-1.21	-0.88	0
Prof	0.07	-0.17	0.29	2.11
SSAL_MEAN	-0.17	-0.42	0.1	7.34
SalMoyMoy	0.12	-0.06	0.38	3.39
TempMoyMoy	-0.24	-0.48	0	8.79
STEMMEAN	-0.18	-0.39	0.02	5.39
BTEMMEAN	0.21	-0.01	0.43	6.33
O2_Sat_Mea	-0.05	-0.27	0.14	1.85
LaDeTow	0.2	0.03	0.36	6.01
LoDeTow	-0.44	-0.71	-0.19	26.22

Tjur's R² : 0.23

AUC: 0.81 ± 0.04



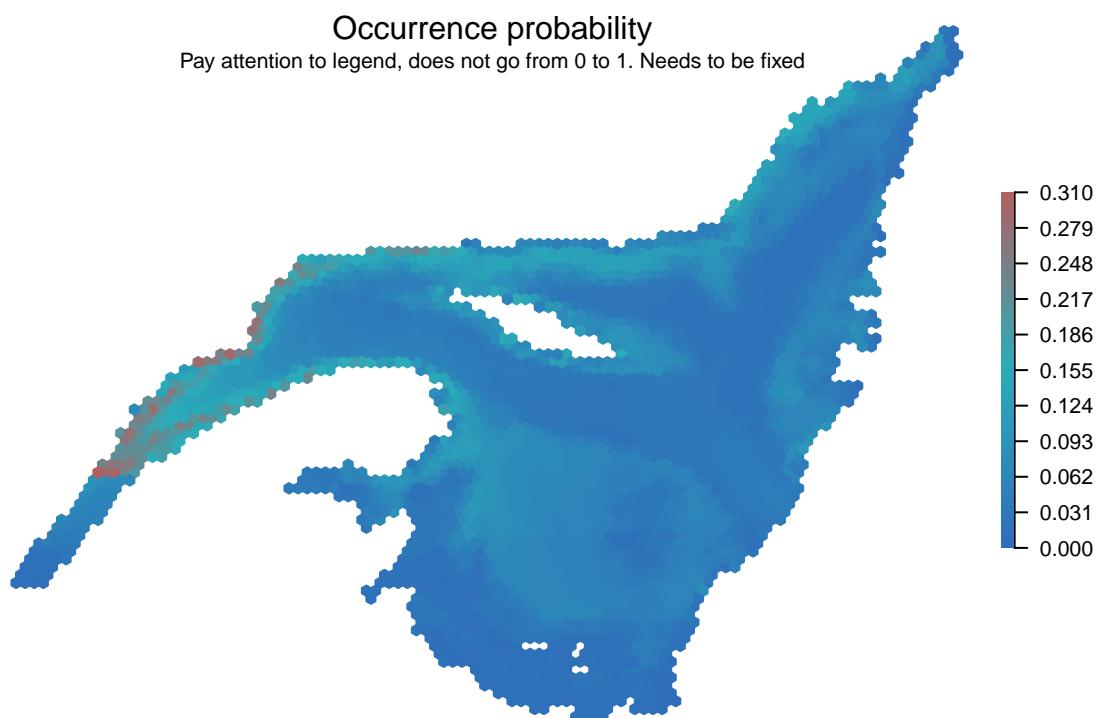
Taxa: *Colus* sp.

Table 9: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.65	-1.84	-1.46	0
Prof	0.09	-0.13	0.32	3.87
SSAL_MEAN	0.09	-0.21	0.4	4.41
SalMoyMoy	0.22	-0.05	0.56	11.15
TempMoyMoy	-0.36	-0.64	-0.06	23.88
STEMMEAN	-0.25	-0.49	-0.02	12.47
BTEMMEAN	0.24	0.02	0.49	10.91
O2_Sat_Mea	0.03	-0.22	0.25	2.53
LaDeTow	-0.07	-0.24	0.09	2.28
LoDeTow	-0.29	-0.57	0	15.63

Tjur's R² : 0.07

AUC: 0.69 ± 0.07



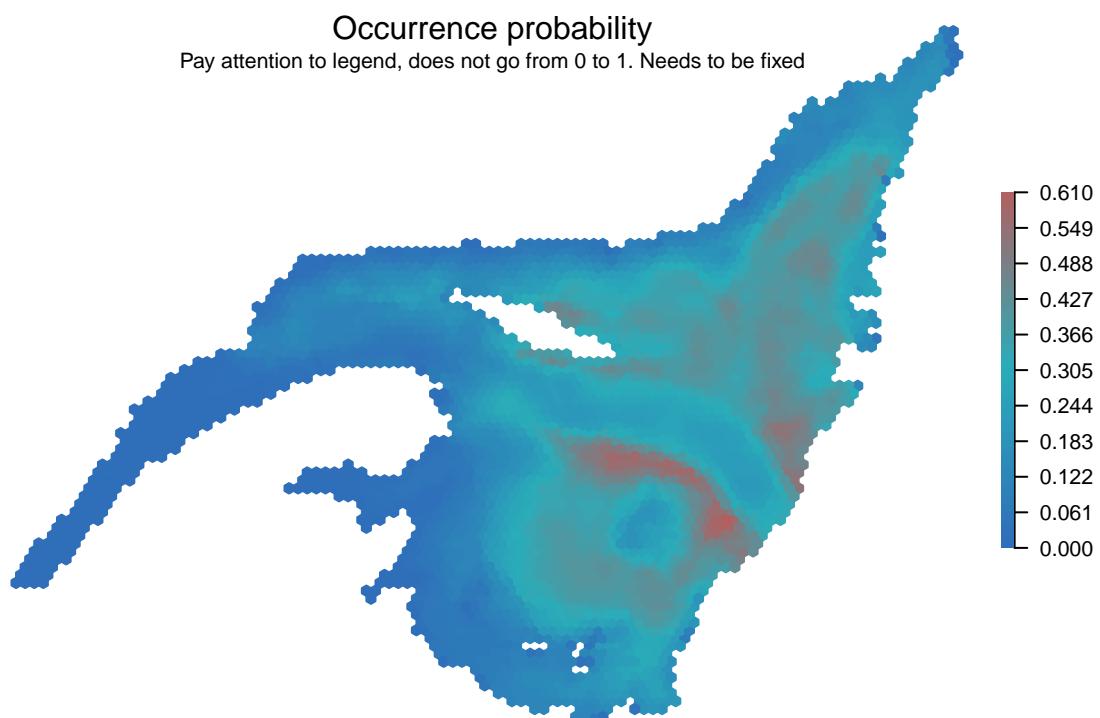
Taxa: Rossia sp.

Table 10: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1	-1.17	-0.85	0
Prof	-0.32	-0.5	-0.11	8.81
SSAL_MEAN	0.73	0.4	1.1	44.21
SalMoyMoy	0.22	-0.07	0.61	5.93
TempMoyMoy	-0.08	-0.33	0.14	1.68
STEMMEAN	0.1	-0.13	0.34	2.15
BTEMMEAN	-0.1	-0.3	0.09	1.74
O2_Sat_Mea	-0.39	-0.6	-0.18	12.74
LaDeTow	-0.37	-0.52	-0.24	11.67
LoDeTow	0.31	0.02	0.58	10

Tjur's R² : 0.15

AUC: 0.75 ± 0.04



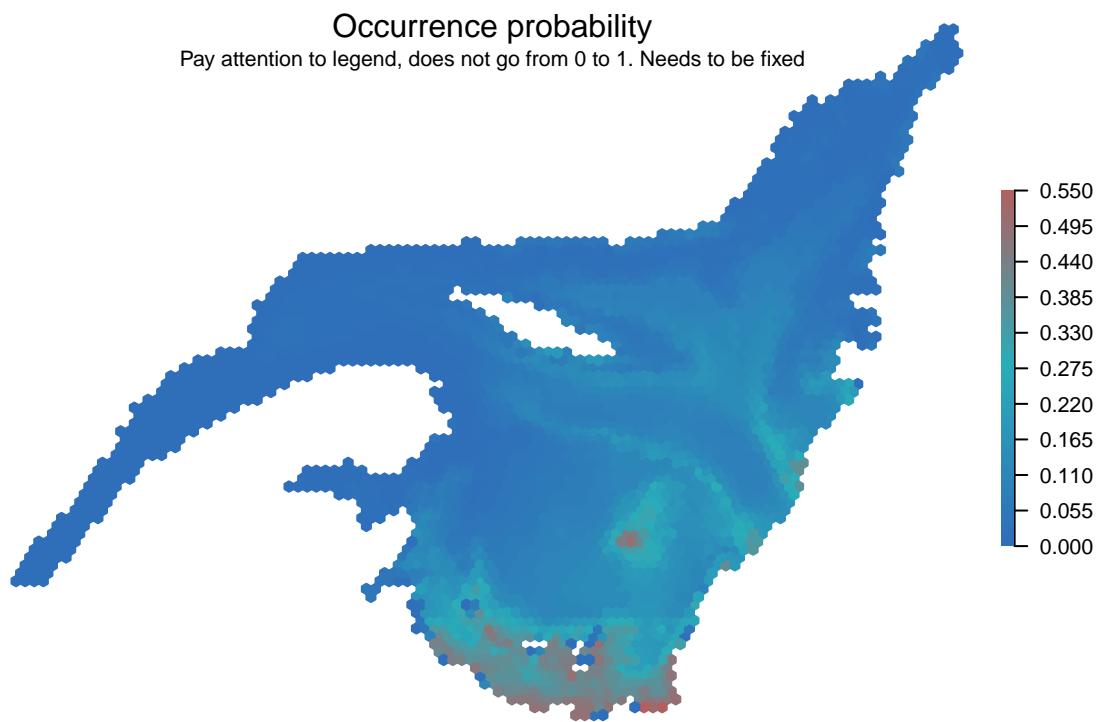
Taxa: *Illex illecebrosus*

Table 11: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.75	-2.33	-1.15	0
Prof	-0.38	-0.6	-0.15	5.73
SSAL_MEAN	0.92	0.53	1.35	31.5
SalMoyMoy	0.33	-0.06	0.76	5.57
TempMoyMoy	0.37	0.05	0.68	6.19
STEMMEAN	-0.07	-0.38	0.25	1.08
BTEMMEAN	-0.09	-0.32	0.13	0.87
O2_Sat_Mea	-0.09	-0.35	0.17	0.88
LaDeTow	-0.73	-0.9	-0.54	19.92
LoDeTow	0.1	-0.22	0.42	1.45

Tjur's R^2 : 0.39

AUC: 0.87 ± 0.04



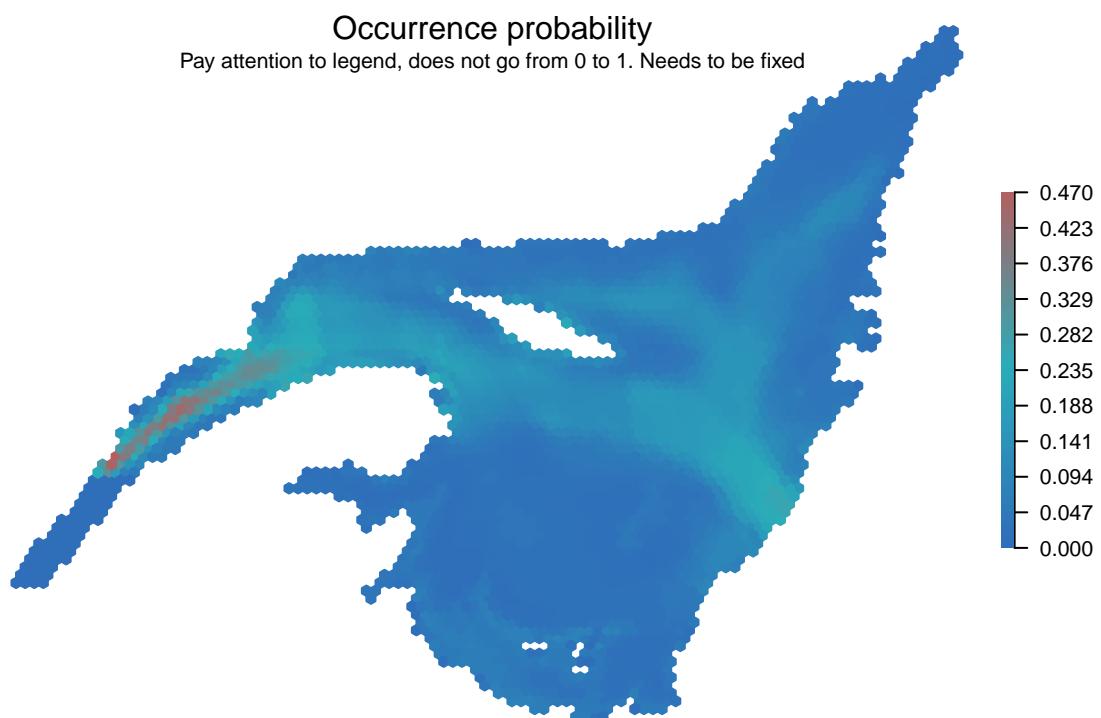
Taxa: *Aphroditella hastata*

Table 12: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.63	-1.82	-1.45	0
Prof	0.19	-0.03	0.42	5.42
SSAL_MEAN	0.28	-0.03	0.61	8.83
SalMoyMoy	0.25	-0.09	0.66	10.05
TempMoyMoy	-0.08	-0.39	0.22	3.27
STEMMEAN	-0.31	-0.61	0.02	11.29
BTEMMEAN	0.41	0.18	0.65	17.91
O2_Sat_Mea	-0.31	-0.57	-0.05	11.75
LaDeTow	-0.22	-0.39	-0.06	6.19
LoDeTow	-0.27	-0.59	0.02	9.04

Tjur's R² : 0.09

AUC: 0.75 ± 0.07



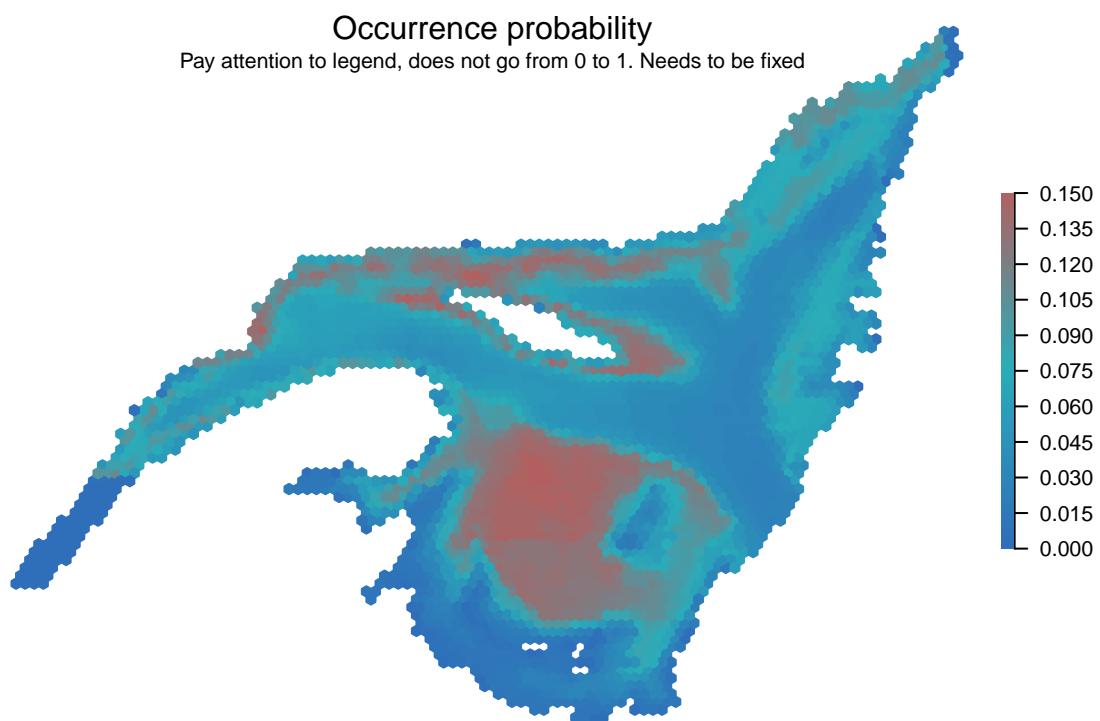
Taxa: Polynoidae

Table 13: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.61	-1.81	-1.42	0
Prof	-0.11	-0.34	0.11	5.42
SSAL_MEAN	0.1	-0.18	0.4	6.2
SalMoyMoy	0.32	-0.01	0.7	20.67
TempMoyMoy	-0.23	-0.51	0.04	12.61
STEMMEAN	0	-0.23	0.23	2.8
BTEMMEAN	-0.1	-0.32	0.12	5.79
O2_Sat_Mea	0	-0.2	0.22	2.77
LaDeTow	-0.05	-0.23	0.13	2.21
LoDeTow	-0.12	-0.4	0.18	6.87

Tjur's R² : 0.03

AUC: 0.59 ± 0.08



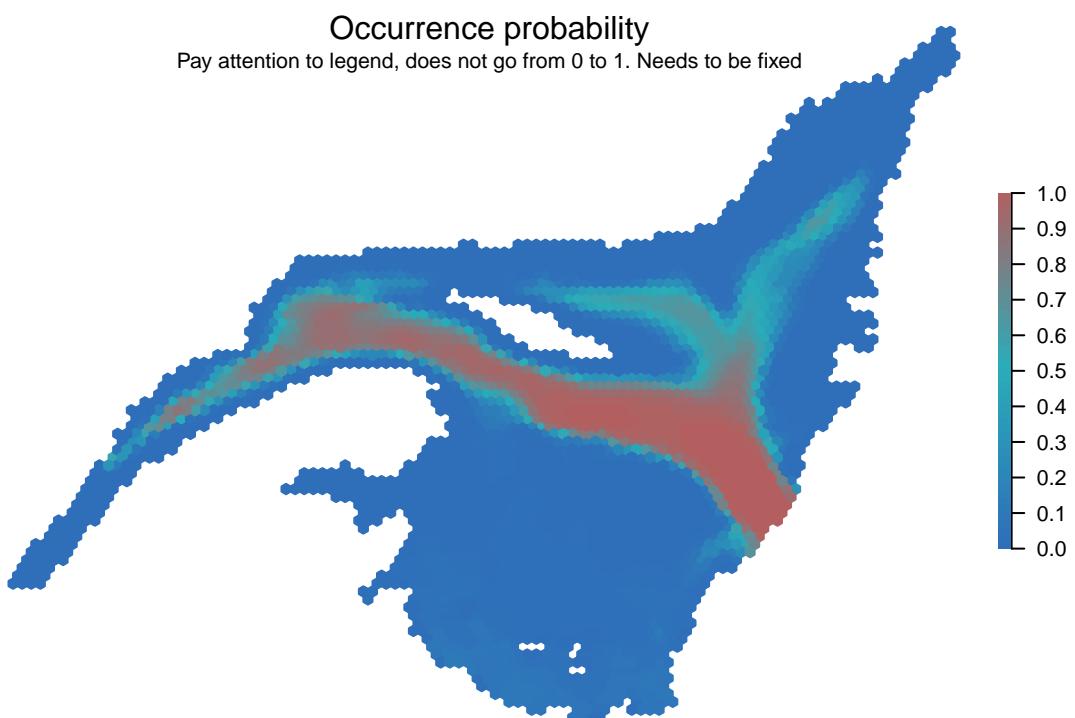
Taxa: *Syscenus infelix*

Table 14: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.64	-1.98	-1.32	0
Prof	1.18	0.91	1.45	56.29
SSAL_MEAN	0.19	-0.18	0.54	2.69
SalMoyMoy	0.52	0.05	1	12.74
TempMoyMoy	0.34	-0.09	0.76	6.57
STEMMEAN	0.38	0.01	0.78	7.24
BTEMMEAN	-0.13	-0.35	0.08	1.15
O2_Sat_Mea	-0.1	-0.41	0.2	1.35
LaDeTow	-0.4	-0.59	-0.22	6.98
LoDeTow	-0.27	-0.58	0.06	3.77

Tjur's R² : 0.55

AUC: 0.94 ± 0.01



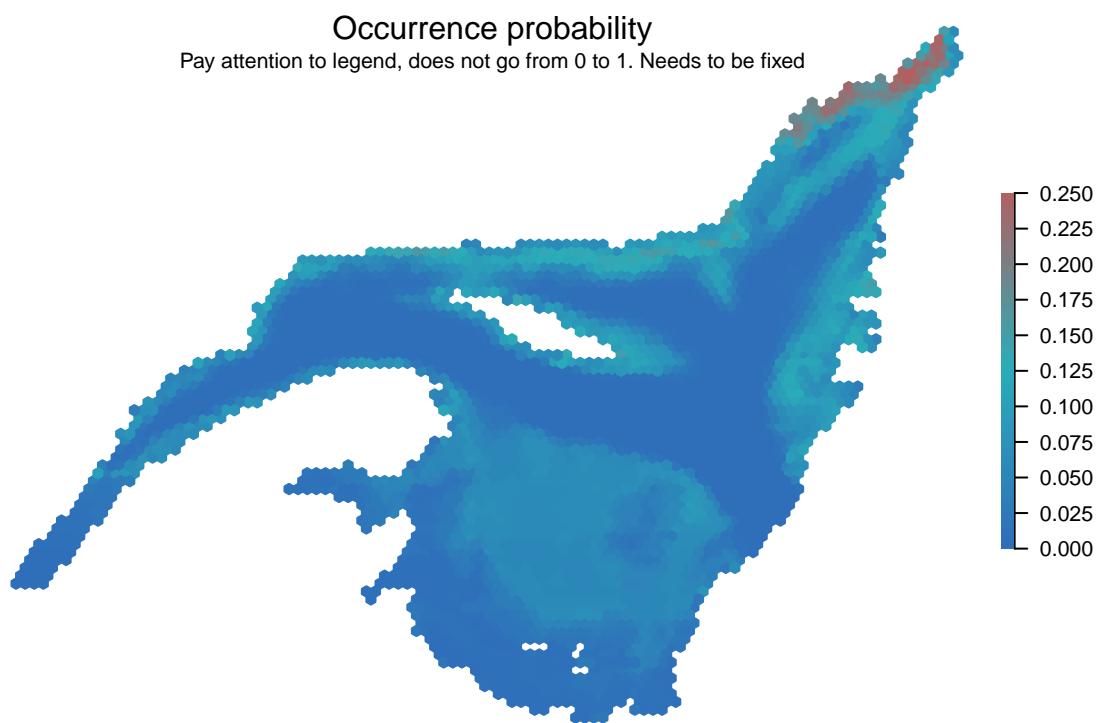
Taxa: Anonyx sp.

Table 15: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.06	-2.36	-1.82	0
Prof	-0.44	-0.85	-0.09	32.71
SSAL_MEAN	0.1	-0.23	0.46	5.4
SalMoyMoy	0.18	-0.03	0.49	6.87
TempMoyMoy	-0.39	-0.69	-0.12	25.39
STEMMEAN	-0.2	-0.46	0.07	7.95
BTEMMEAN	0.15	-0.16	0.48	6.47
O2_Sat_Mea	0.02	-0.24	0.27	2.93
LaDeTow	-0.03	-0.23	0.16	1.76
LoDeTow	0.01	-0.34	0.38	4.67

Tjur's R² : 0.14

AUC: 0.86 ± 0.06



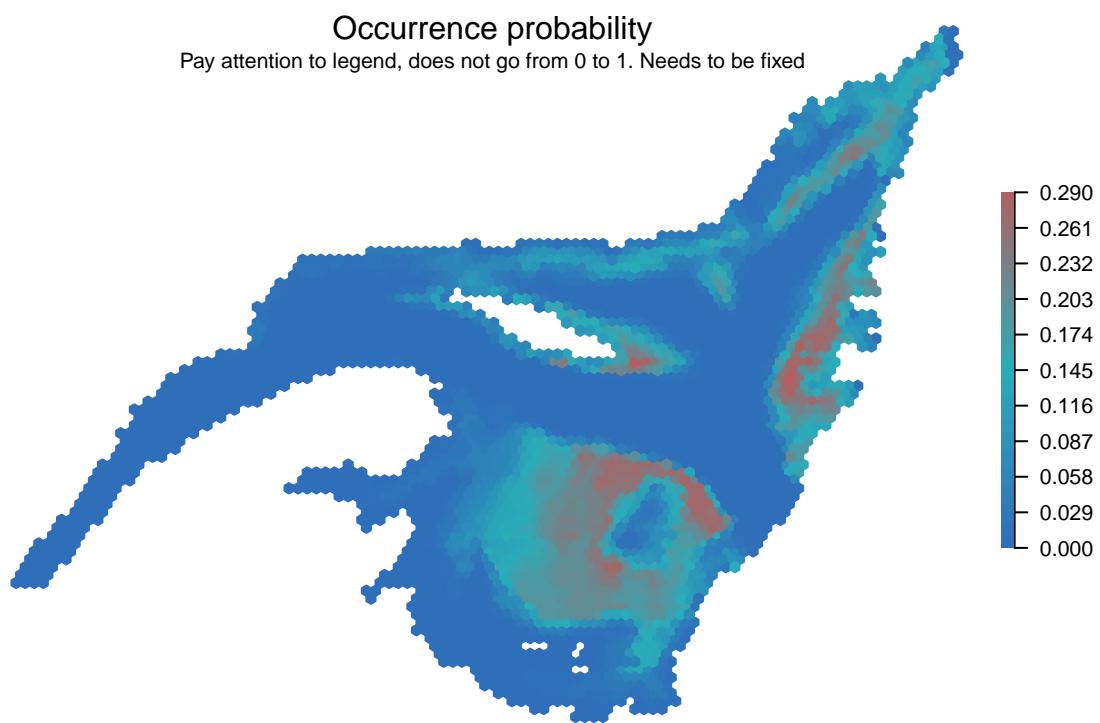
Taxa: Rhachotropis aculeata

Table 16: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.43	-2.86	-2.06	0
Prof	-1.08	-1.61	-0.63	46.66
SSAL_MEAN	0.66	0.16	1.23	18.98
SalMoyMoy	0.43	0.05	0.89	8.41
TempMoyMoy	-0.51	-0.82	-0.21	11.75
STEMMEAN	0.15	-0.12	0.45	1.7
BTEMMEAN	-0.17	-0.51	0.16	2.18
O2_Sat_Mea	-0.12	-0.4	0.17	1.37
LaDeTow	-0.23	-0.41	-0.04	2.4
LoDeTow	0.29	-0.08	0.71	4.84

Tjur's R² : 0.3

AUC: 0.93 ± 0.02



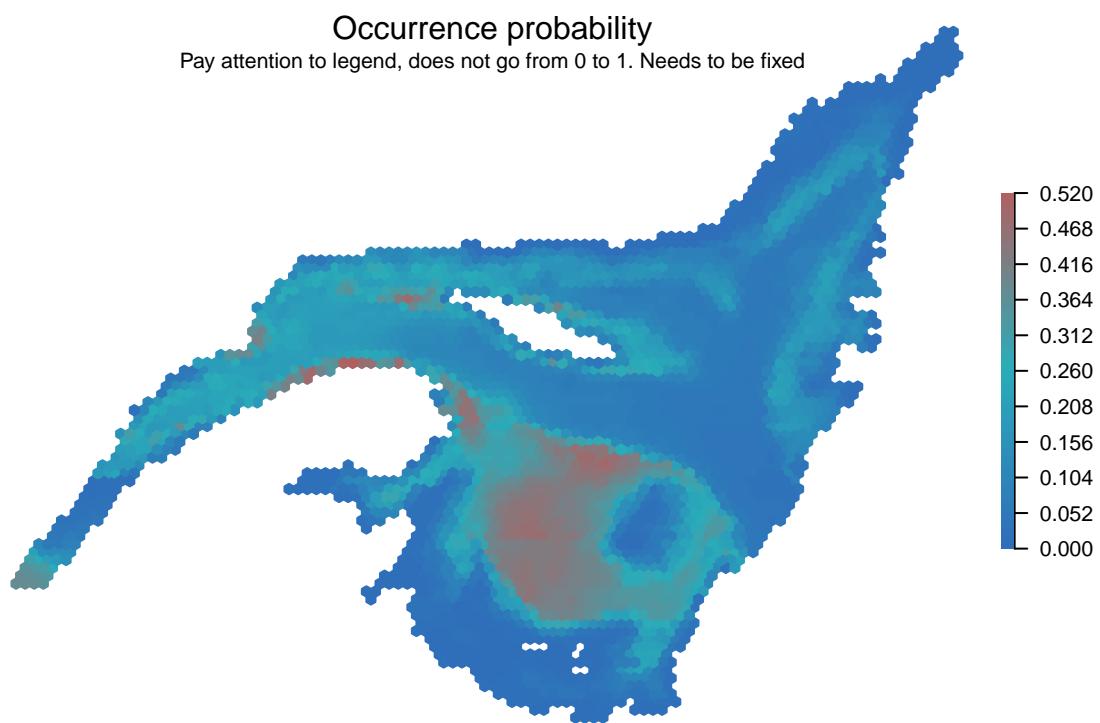
Taxa: Stegocephalus inflatus

Table 17: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.26	-1.41	-1.13	0
Prof	-0.15	-0.36	0.07	4.64
SSAL_MEAN	-0.09	-0.36	0.17	3.39
SalMoyMoy	0.29	-0.05	0.66	12.19
TempMoyMoy	-0.52	-0.81	-0.24	34.2
STEMMEAN	0.34	0.08	0.61	16.4
BTEMMEAN	-0.12	-0.33	0.08	3.25
O2_Sat_Mea	-0.3	-0.51	-0.09	12.83
LaDeTow	-0.01	-0.16	0.14	0.81
LoDeTow	-0.22	-0.48	0.03	8.6

Tjur's R² : 0.06

AUC: 0.69 ± 0.05



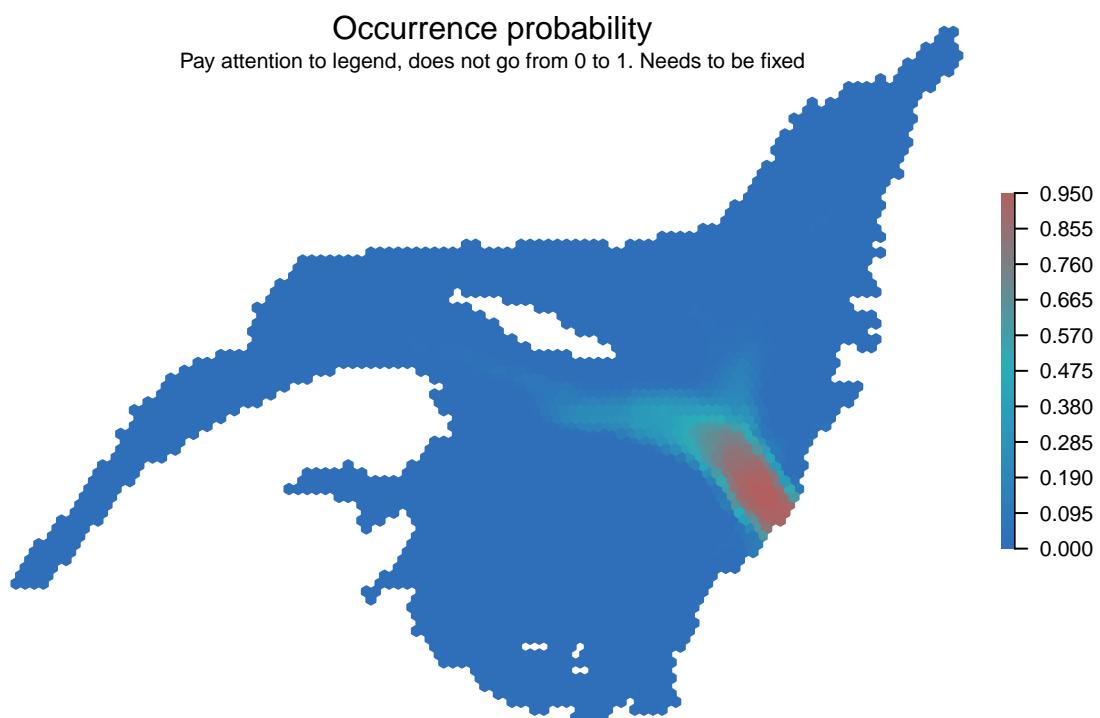
Taxa: *Eusergestes arcticus*

Table 18: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-3.39	-4.13	-2.77	0
Prof	1.14	0.79	1.5	39.56
SSAL_MEAN	0.64	0.01	1.25	13.83
SalMoyMoy	0.55	-0.03	1.14	10.9
TempMoyMoy	-0.04	-0.54	0.45	1.97
STEMMEAN	0.03	-0.52	0.57	2.34
BTEMMEAN	0.47	0.12	0.82	7.21
O2_Sat_Mea	0.14	-0.31	0.57	2.12
LaDeTow	-0.78	-1.09	-0.47	18.72
LoDeTow	0	-0.58	0.58	2.53

Tjur's R² : 0.61

AUC: 0.98 ± 0.01



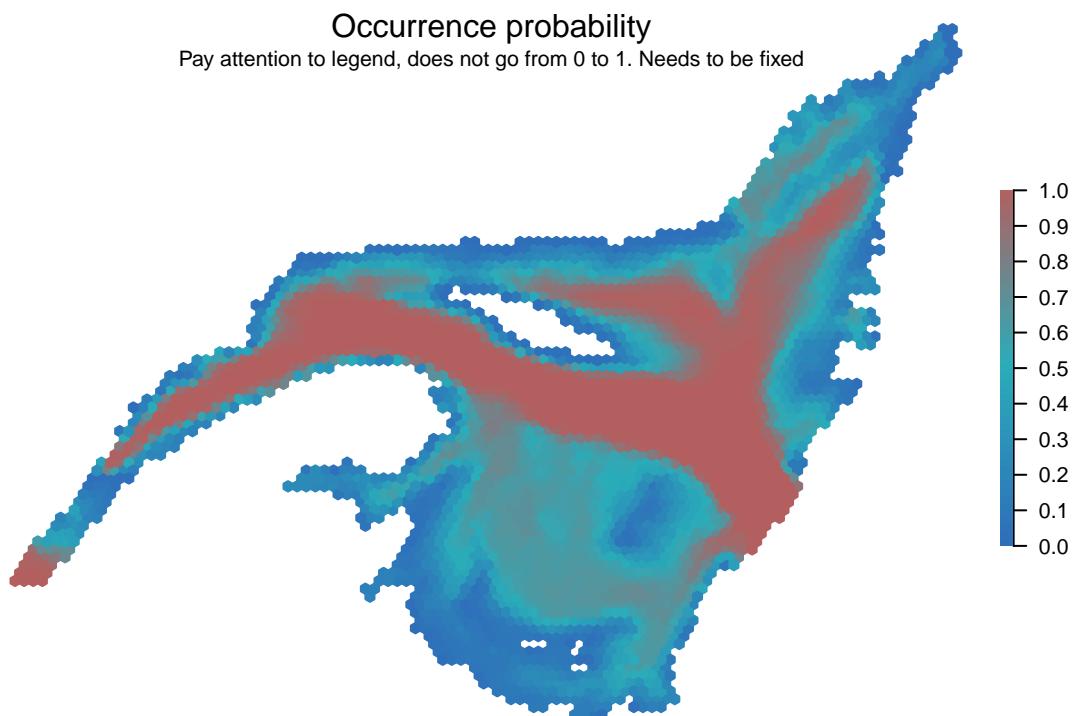
Taxa: *Pasiphaea multidentata*

Table 19: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.47	0.28	0.68	0
Prof	1.67	1.34	2	78.28
SSAL_MEAN	-0.54	-0.85	-0.27	8.69
SalMoyMoy	0.24	-0.08	0.66	2.6
TempMoyMoy	-0.17	-0.48	0.11	1.31
STEMMEAN	0.11	-0.17	0.41	0.9
BTEMMEAN	-0.22	-0.45	0.02	1.7
O2_Sat_Mea	0.05	-0.19	0.28	0.47
LaDeTow	-0.31	-0.48	-0.15	3.05
LoDeTow	0.23	-0.04	0.52	1.99

Tjur's R² : 0.63

AUC: 0.94 ± 0.02



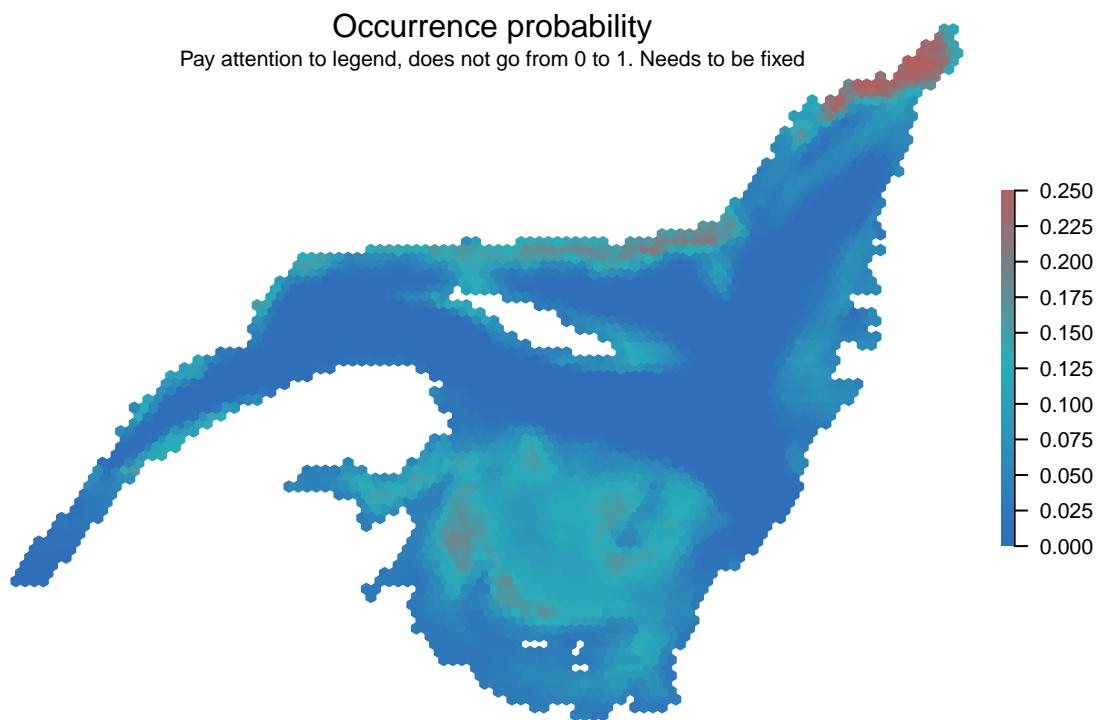
Taxa: Eualus fabricii

Table 20: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.24	-2.59	-1.91	0
Prof	-0.87	-1.33	-0.46	63.47
SSAL_MEAN	0.11	-0.27	0.44	3.73
SalMoyMoy	0.15	-0.02	0.42	2.78
TempMoyMoy	-0.18	-0.49	0.12	5.32
STEMMEAN	-0.05	-0.3	0.21	1.79
BTEMMEAN	-0.23	-0.56	0.09	6.06
O2_Sat_Mea	0.32	0.04	0.58	10.77
LaDeTow	-0.07	-0.26	0.12	1.21
LoDeTow	-0.05	-0.37	0.31	2.75

Tjur's R^2 : 0.32

AUC: 0.92 ± 0.04



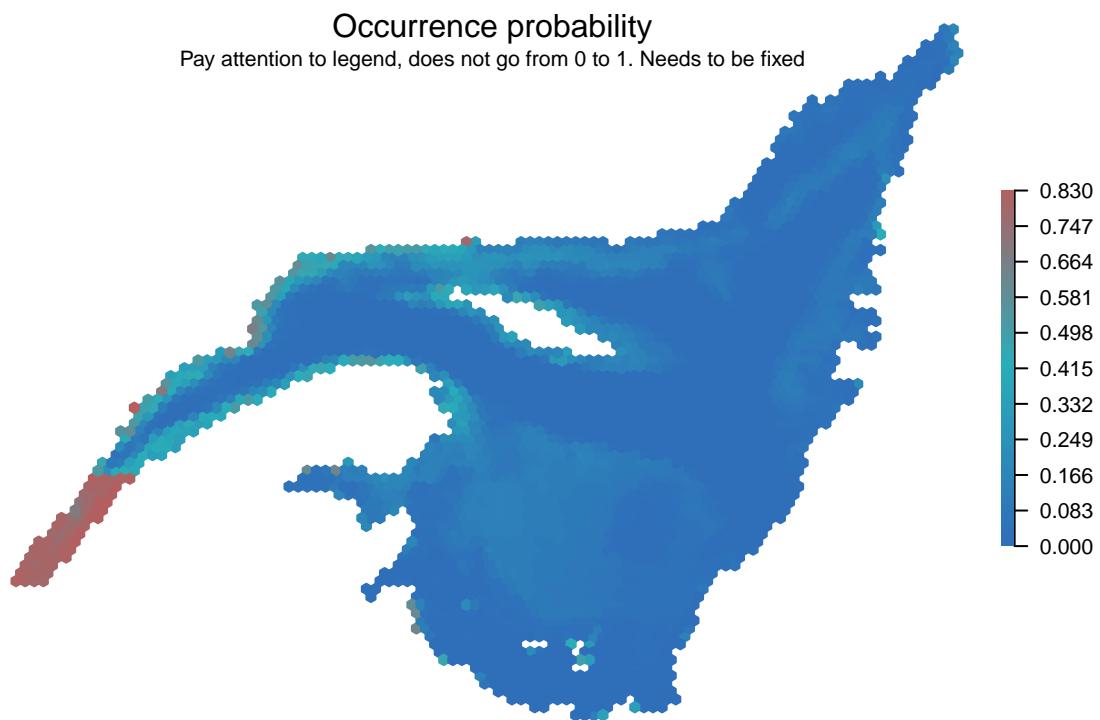
Taxa: *Eualus macilentus*

Table 21: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.03	-2.35	-1.75	0
Prof	-0.74	-1.09	-0.41	35.73
SSAL_MEAN	0.12	-0.18	0.42	2.17
SalMoyMoy	-0.09	-0.28	0.03	1
TempMoyMoy	-0.6	-0.83	-0.36	23.72
STEMMEAN	0	-0.25	0.22	0.89
BTEMMEAN	0.24	-0.03	0.51	4.48
O2_Sat_Mea	-0.18	-0.42	0.04	2.64
LaDeTow	0.29	0.11	0.49	5.9
LoDeTow	-0.57	-0.87	-0.24	20.81

Tjur's R^2 : 0.33

AUC: 0.9 ± 0.02



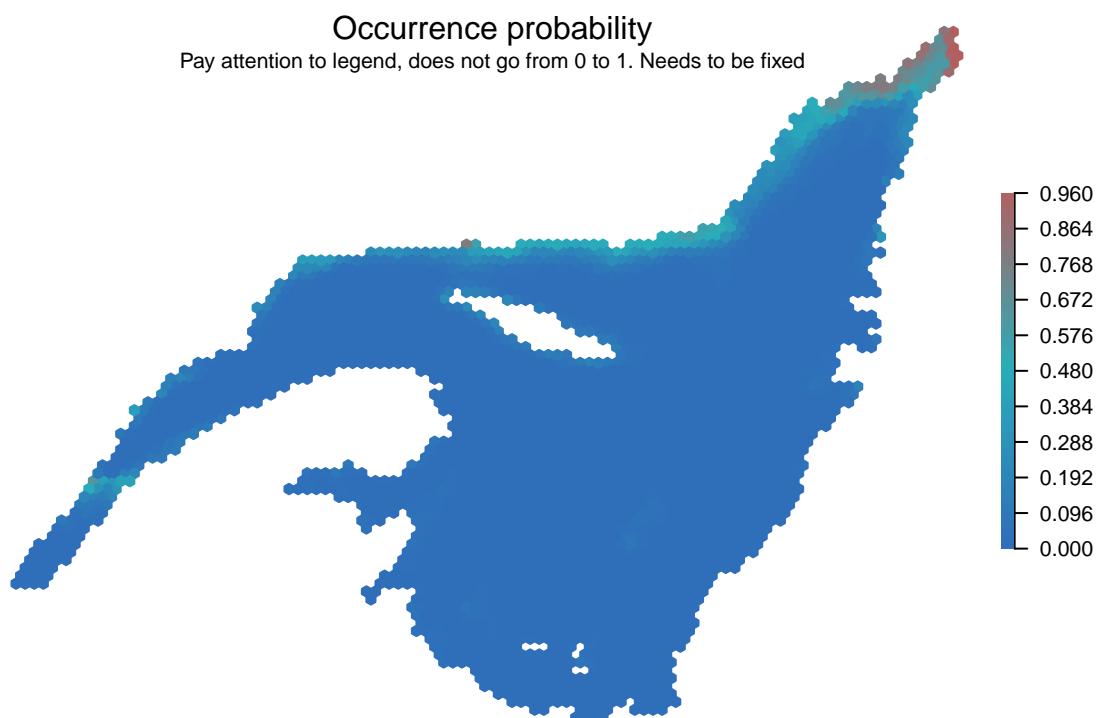
Taxa: *Lebbeus groenlandicus*

Table 22: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.74	-3.24	-2.29	0
Prof	-0.69	-1.24	-0.15	30.03
SSAL_MEAN	0.58	0.14	1.05	19.35
SalMoyMoy	-0.18	-0.55	0.09	3.61
TempMoyMoy	0.15	-0.17	0.5	2.78
STEMMEAN	-0.59	-0.94	-0.25	21.35
BTEMMEAN	0.18	-0.2	0.57	3.32
O2_Sat_Mea	0.3	0	0.61	7.58
LaDeTow	0.28	0.02	0.54	5.67
LoDeTow	-0.24	-0.67	0.17	4.88

Tjur's R² : 0.53

AUC: 0.96 ± 0.04



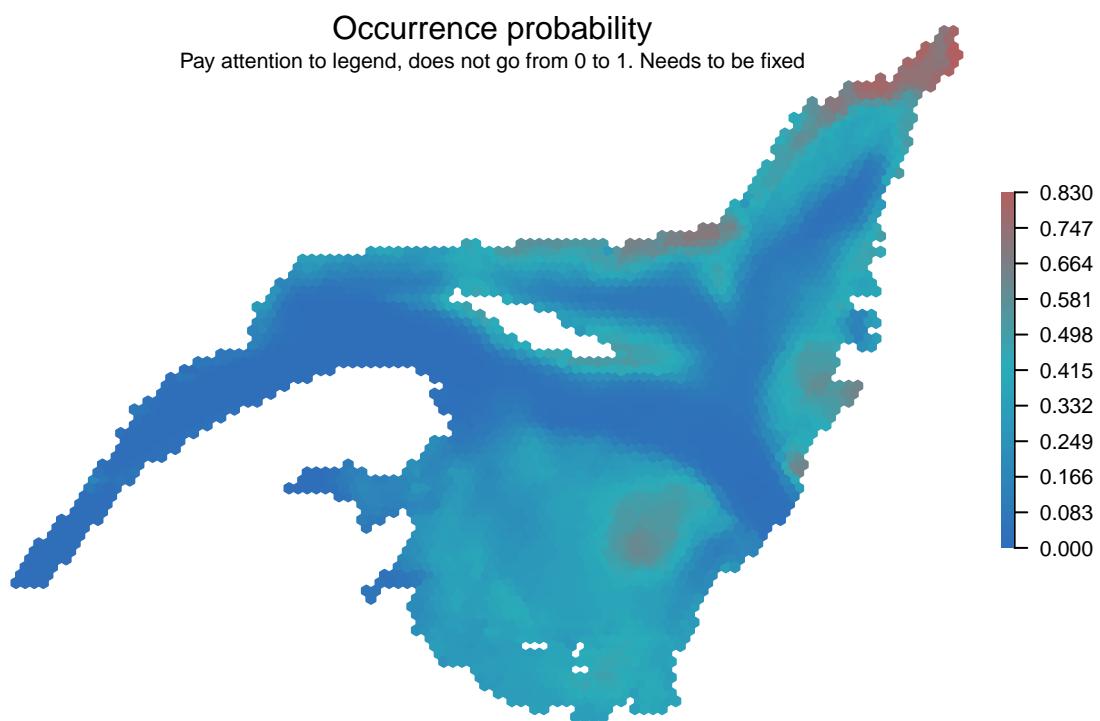
Taxa: *Lebbeus polaris*

Table 23: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.98	-1.16	-0.83	0
Prof	-0.55	-0.79	-0.35	20.79
SSAL_MEAN	0.97	0.59	1.39	60.08
SalMoyMoy	-0.02	-0.22	0.12	0.52
TempMoyMoy	0.07	-0.14	0.29	1.11
STEMMEAN	-0.14	-0.37	0.1	2.03
BTEMMEAN	-0.16	-0.38	0.07	2.66
O2_Sat_Mea	0.27	0.04	0.48	5.53
LaDeTow	-0.27	-0.4	-0.13	5.01
LoDeTow	0.05	-0.23	0.33	1.58

Tjur's R² : 0.3

AUC: 0.83 ± 0.03



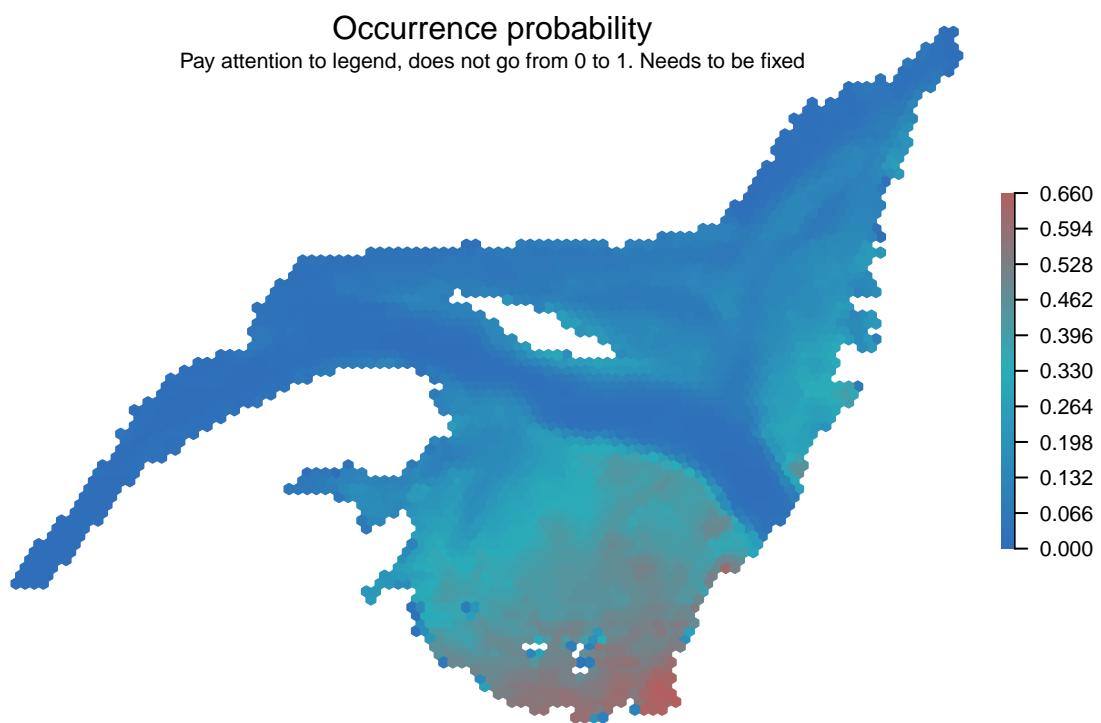
Taxa: *Spirontocaris liljeborgii*

Table 24: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.14	-1.27	-1.01	0
Prof	-0.71	-0.92	-0.51	44.78
SSAL_MEAN	0.18	-0.1	0.45	5.01
SalMoyMoy	0.25	-0.07	0.65	7.53
TempMoyMoy	0.12	-0.14	0.37	2.93
STEMMEAN	0.19	-0.05	0.44	4.63
BTEMMEAN	-0.16	-0.36	0.05	2.98
O2_Sat_Mea	-0.21	-0.41	0	4.75
LaDeTow	-0.44	-0.56	-0.3	17.2
LoDeTow	0.26	0	0.53	7.42

Tjur's R² : 0.12

AUC: 0.73 ± 0.05



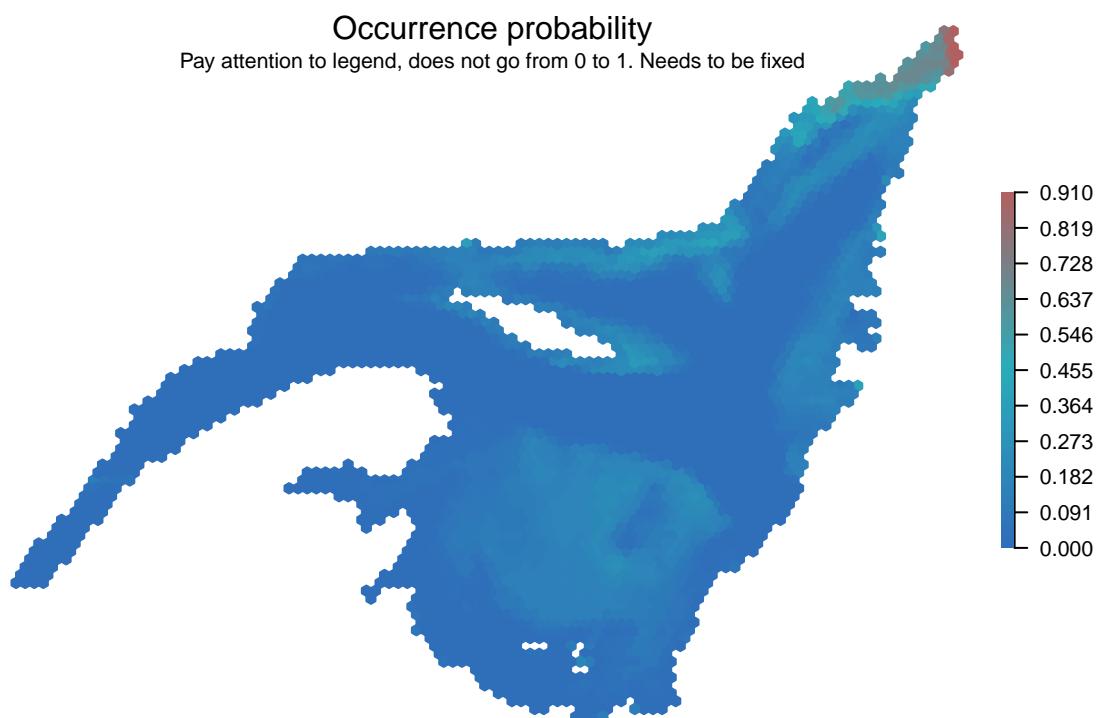
Taxa: *Spirontocaris spinus*

Table 25: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.25	-2.62	-1.93	0
Prof	-1.01	-1.46	-0.56	52.72
SSAL_MEAN	0.63	0.22	1.09	22.92
SalMoyMoy	-0.05	-0.29	0.12	0.74
TempMoyMoy	-0.33	-0.61	-0.06	7.49
STEMMEAN	-0.13	-0.41	0.16	2.08
BTEMMEAN	-0.27	-0.59	0.05	5.1
O2_Sat_Mea	0.1	-0.17	0.37	1.88
LaDeTow	-0.16	-0.34	0.03	1.72
LoDeTow	0.23	-0.1	0.58	4.53

Tjur's R² : 0.51

AUC: 0.95 ± 0.03



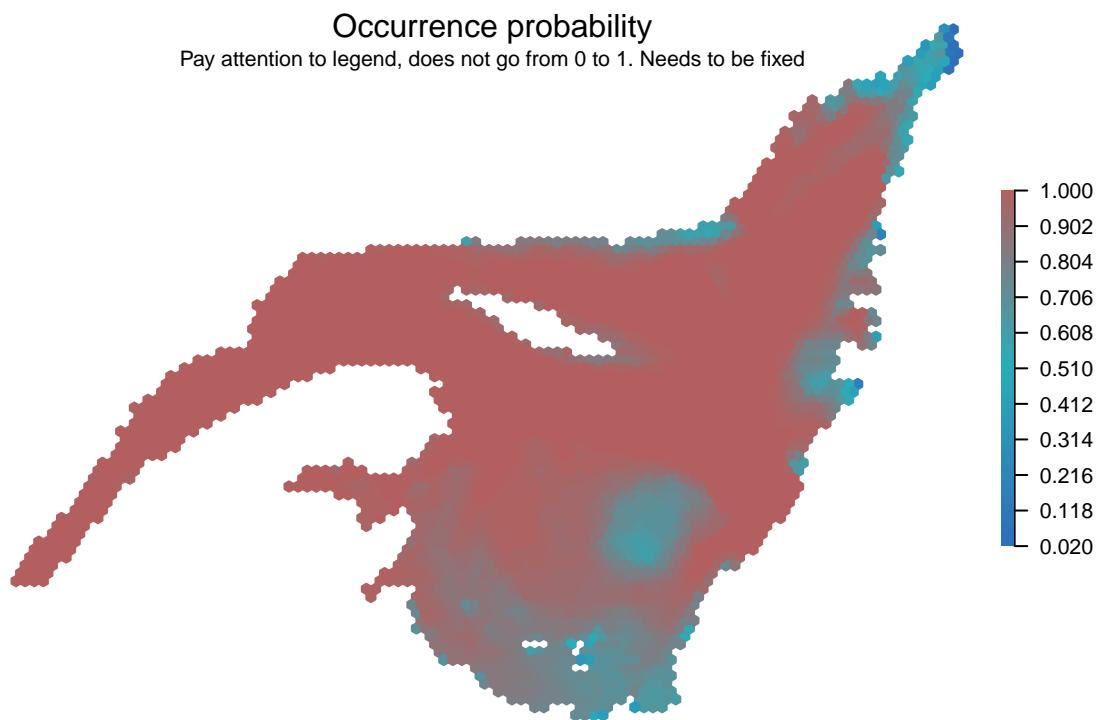
Taxa: *Pandalus borealis*

Table 26: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	3.03	2.53	3.57	0
Prof	2.04	1.44	2.68	76.79
SSAL_MEAN	-0.5	-0.99	-0.05	5.7
SalMoyMoy	0.19	-0.06	0.58	1.28
TempMoyMoy	-0.06	-0.39	0.25	0.55
STEMMEAN	0.05	-0.29	0.37	0.58
BTEMMEAN	0.27	-0.07	0.64	1.97
O2_Sat_Mea	-0.27	-0.56	0.03	1.97
LaDeTow	0.38	0.19	0.59	2.86
LoDeTow	-0.62	-1.06	-0.18	7.95

Tjur's R^2 : 0.68

AUC: 0.97 ± 0.02



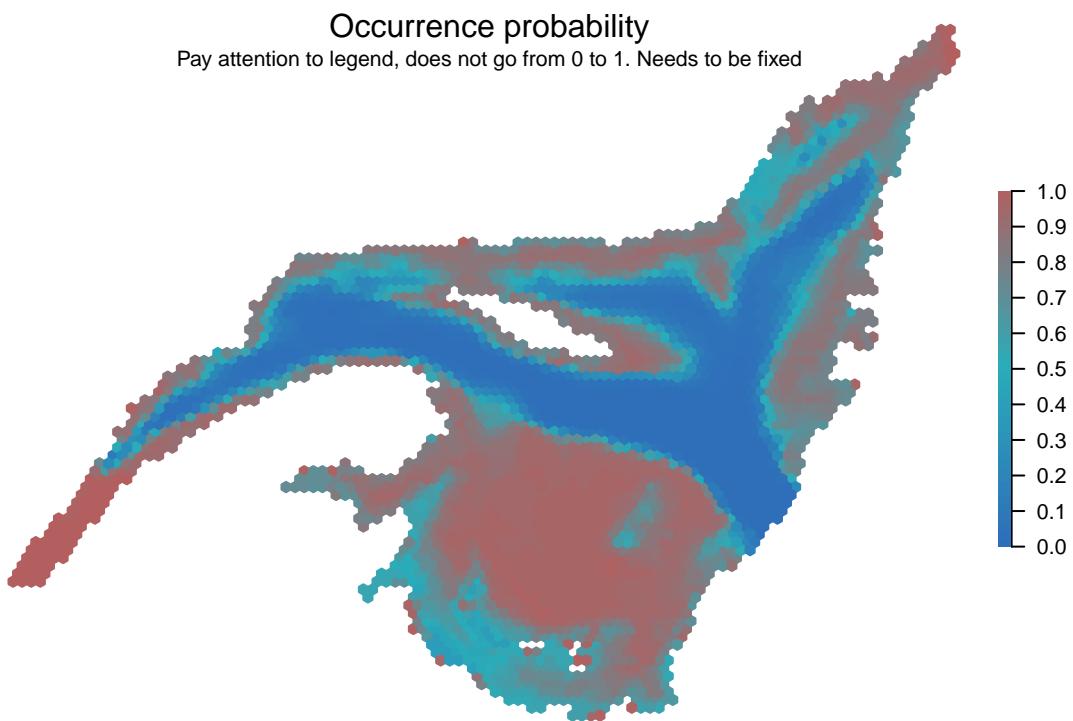
Taxa: *Pandalus montagui*

Table 27: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.14	0	0.27	0
Prof	-1.03	-1.27	-0.82	70.26
SSAL_MEAN	-0.16	-0.44	0.12	2.93
SalMoyMoy	-0.04	-0.32	0.16	1.21
TempMoyMoy	-0.47	-0.72	-0.21	15.77
STEMMEAN	0.02	-0.25	0.28	1.22
BTEMMEAN	-0.2	-0.4	0	3.18
O2_Sat_Mea	0.01	-0.24	0.25	1.01
LaDeTow	-0.15	-0.3	-0.01	1.82
LoDeTow	0.09	-0.16	0.35	1.63

Tjur's R² : 0.52

AUC: 0.9 ± 0.02



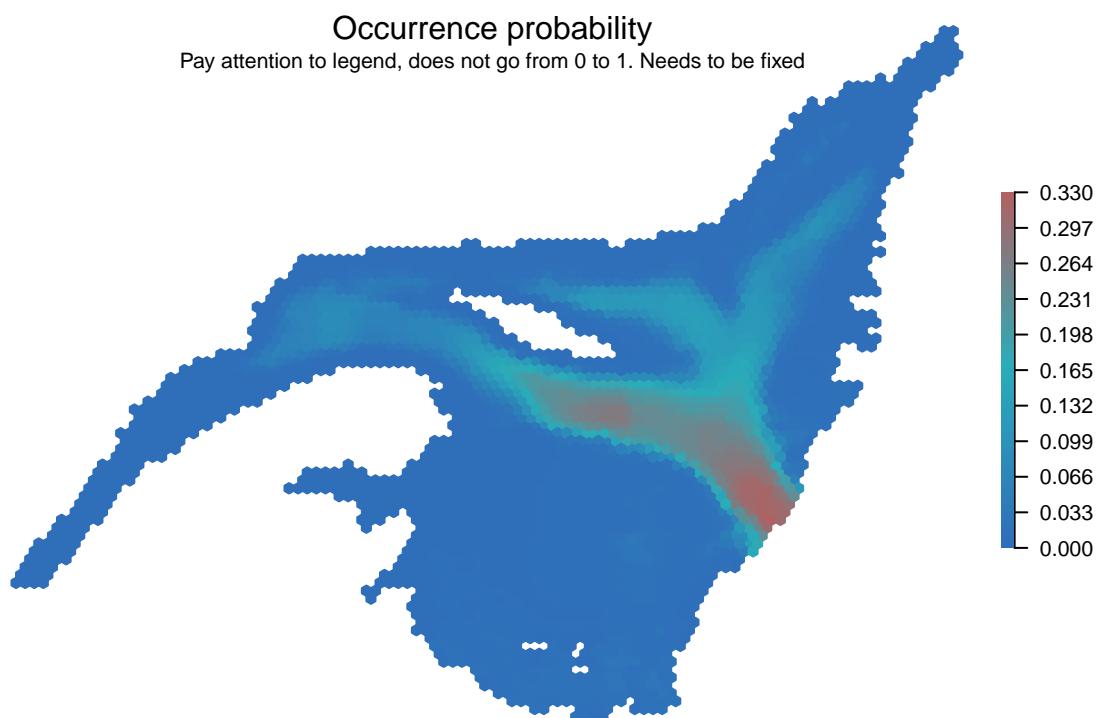
Taxa: *Atlantopandalus propinquus*

Table 28: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.41	-2.87	-2.01	0
Prof	0.21	-0.07	0.47	4.83
SSAL_MEAN	0.82	0.31	1.47	44.71
SalMoyMoy	0.45	-0.01	0.92	16.48
TempMoyMoy	0.33	-0.1	0.76	10.79
STEMMEAN	0.11	-0.31	0.55	3.92
BTEMMEAN	-0.2	-0.48	0.06	4.22
O2_Sat_Mea	-0.03	-0.41	0.32	2.23
LaDeTow	-0.33	-0.57	-0.11	8.54
LoDeTow	0	-0.41	0.41	3.05

Tjur's R² : 0.12

AUC: 0.87 ± 0.03



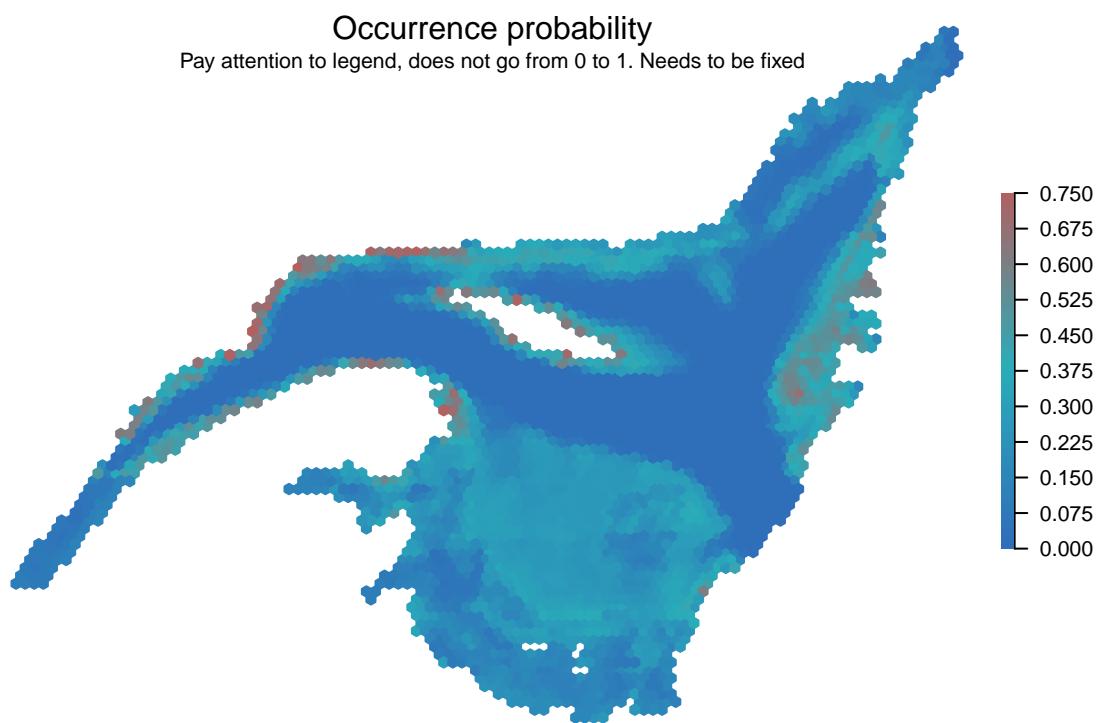
Taxa: *Argis dentata*

Table 29: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.6	-1.88	-1.35	0
Prof	-1.17	-1.56	-0.81	56.3
SSAL_MEAN	0.18	-0.14	0.5	2.14
SalMoyMoy	0.36	0.04	0.78	6.39
TempMoyMoy	-0.64	-0.94	-0.38	17.69
STEMMEAN	-0.13	-0.38	0.12	1.21
BTEMMEAN	0.49	0.21	0.82	10.46
O2_Sat_Mea	-0.09	-0.32	0.14	0.81
LaDeTow	-0.01	-0.17	0.15	0.3
LoDeTow	-0.27	-0.59	0.04	3.75

Tjur's R² : 0.53

AUC: 0.94 ± 0.02



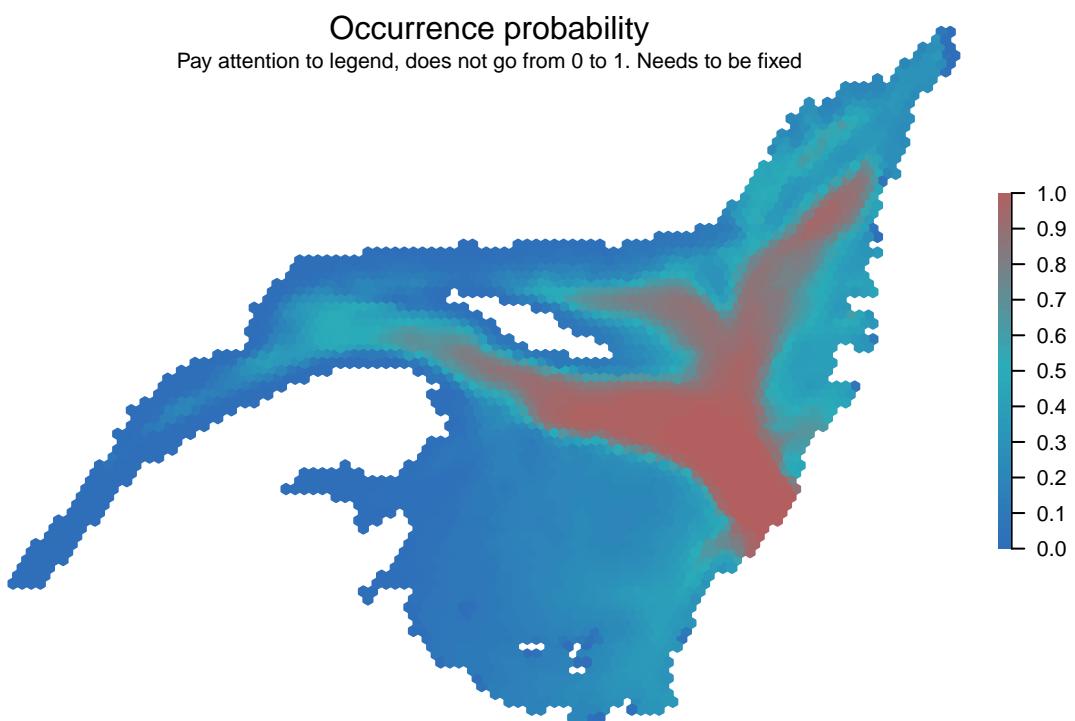
Taxa: *Pontophilus norvegicus*

Table 30: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.56	-0.71	-0.43	0
Prof	0.83	0.59	1.1	43.28
SSAL_MEAN	0.38	0.05	0.71	10.86
SalMoyMoy	0.24	-0.07	0.63	5.66
TempMoyMoy	0.07	-0.21	0.33	1.6
STEMMEAN	0.03	-0.22	0.33	1.26
BTEMMEAN	-0.01	-0.23	0.21	0.79
O2_Sat_Mea	-0.01	-0.24	0.24	0.88
LaDeTow	-0.4	-0.55	-0.26	10.47
LoDeTow	0.62	0.31	0.93	24.81

Tjur's R² : 0.5

AUC: 0.91 ± 0.02



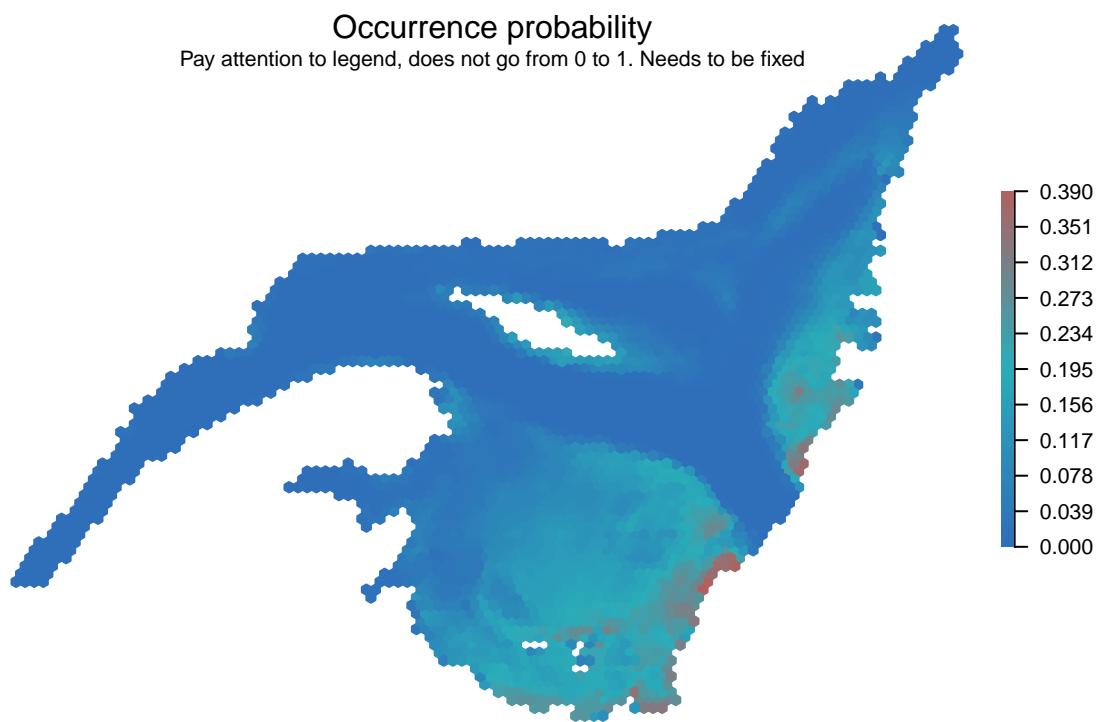
Taxa: *Sabinea sarsii*

Table 31: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.01	-2.26	-1.78	0
Prof	-0.76	-1.09	-0.45	36.87
SSAL_MEAN	0.41	0.04	0.78	12.25
SalMoyMoy	0.31	-0.05	0.72	7.6
TempMoyMoy	-0.24	-0.56	0.05	5
STEMMEAN	-0.01	-0.34	0.34	1.92
BTEMMEAN	0.27	-0.05	0.58	6.09
O2_Sat_Mea	-0.28	-0.53	0.01	5.69
LaDeTow	-0.53	-0.72	-0.36	18.09
LoDeTow	0.17	-0.23	0.59	4.4

Tjur's R^2 : 0.21

AUC: 0.87 ± 0.04



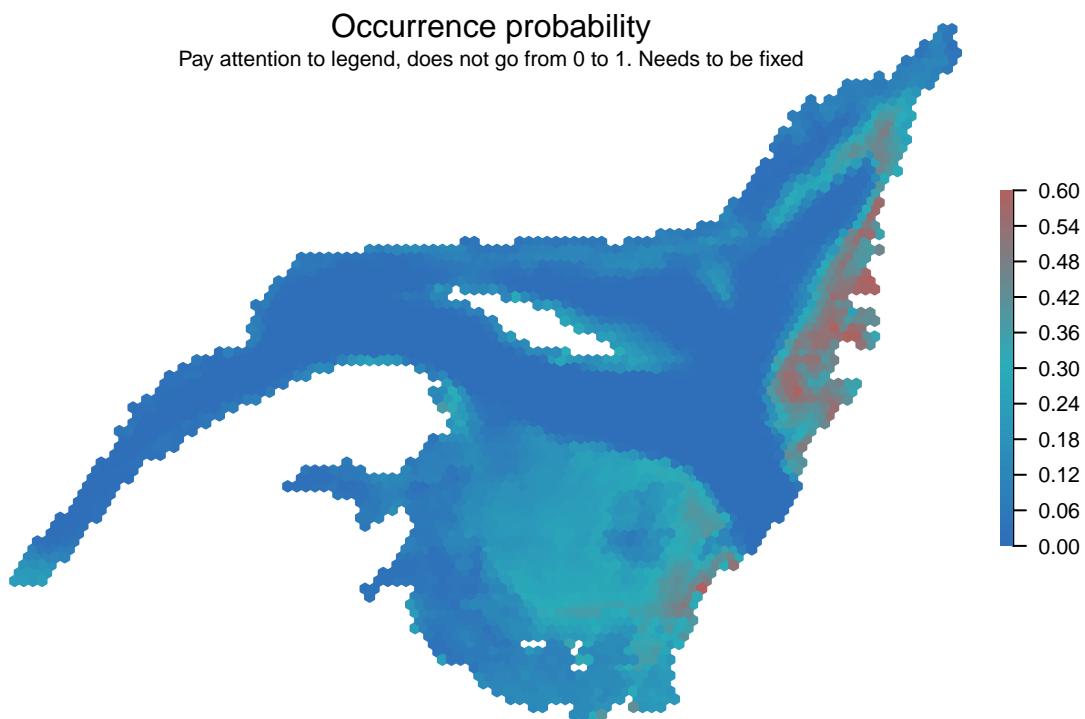
Taxa: *Sabinea septemcarinata*

Table 32: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.83	-2.1	-1.57	0
Prof	-1.01	-1.4	-0.64	55.11
SSAL_MEAN	-0.06	-0.42	0.28	1.78
SalMoyMoy	0.21	-0.05	0.55	3.53
TempMoyMoy	-0.53	-0.82	-0.26	16.74
STEMMEAN	0.09	-0.19	0.35	1.41
BTEMMEAN	0.27	-0.05	0.57	5.46
O2_Sat_Mea	-0.16	-0.41	0.08	1.97
LaDeTow	-0.17	-0.34	0	1.95
LoDeTow	0.4	0.05	0.76	9.87

Tjur's R² : 0.46

AUC: 0.93 ± 0.02



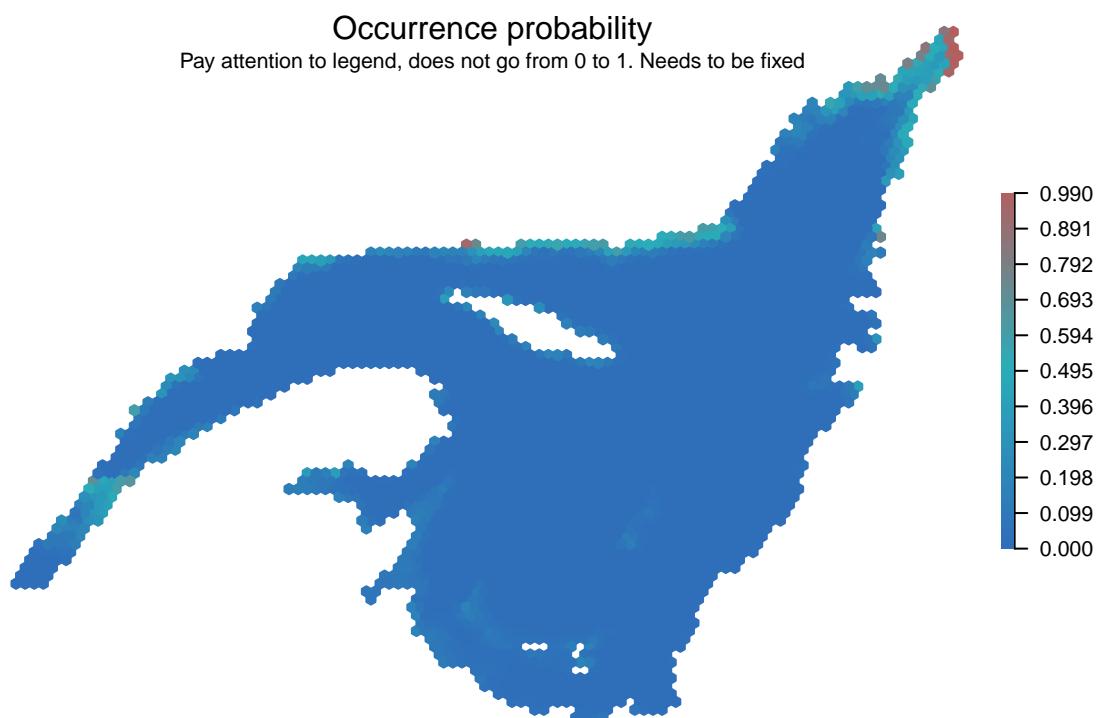
Taxa: *Sclerocrangon boreas*

Table 33: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-3.55	-4.42	-2.85	0
Prof	-1.69	-2.41	-1.03	69.5
SSAL_MEAN	0.24	-0.17	0.71	2.4
SalMoyMoy	-0.31	-0.74	0.01	3.51
TempMoyMoy	0.29	-0.07	0.68	2.89
STEMMEAN	-0.53	-0.89	-0.16	7.99
BTEMMEAN	0.34	-0.08	0.71	3.67
O2_Sat_Mea	0.1	-0.21	0.43	1.06
LaDeTow	0.51	0.24	0.79	7.26
LoDeTow	-0.08	-0.52	0.32	1.26

Tjur's R² : 0.57

AUC: 0.97 ± 0.02



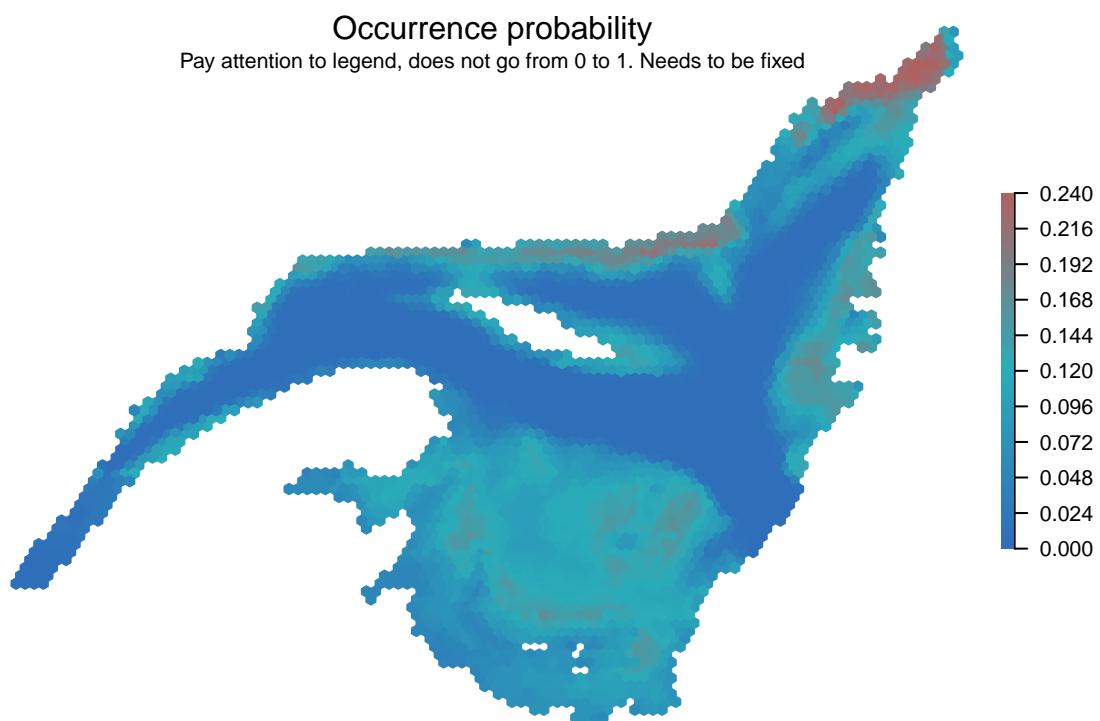
Taxa: *Pagurus* sp.

Table 34: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.91	-2.19	-1.69	0
Prof	-0.7	-1.07	-0.33	61.26
SSAL_MEAN	0.08	-0.25	0.42	4.03
SalMoyMoy	0.17	-0.03	0.48	5.34
TempMoyMoy	-0.21	-0.46	0.06	8.65
STEMMEAN	-0.07	-0.32	0.18	2.72
BTEMMEAN	-0.01	-0.31	0.29	2.92
O2_Sat_Mea	0.21	-0.03	0.42	8.01
LaDeTow	-0.08	-0.26	0.09	1.67
LoDeTow	0.05	-0.27	0.4	3.77

Tjur's R² : 0.22

AUC: 0.87 ± 0.04



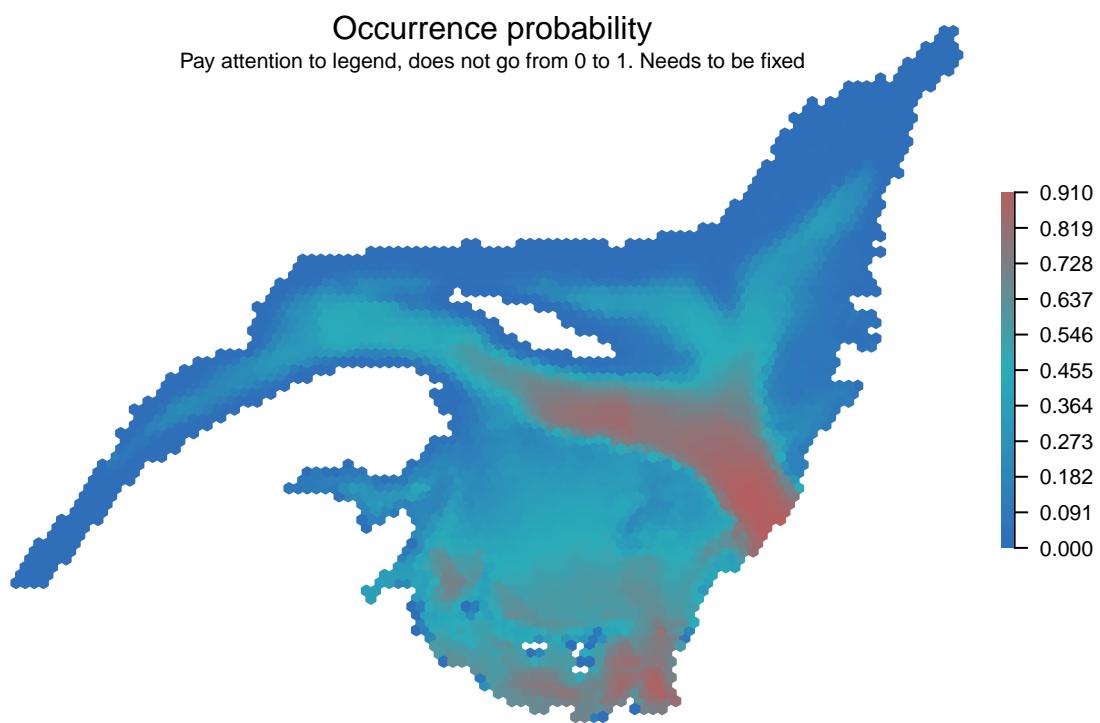
Taxa: Lithodes maja

Table 35: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.87	-1.03	-0.71	0
Prof	0.31	0.1	0.53	8.37
SSAL_MEAN	-0.11	-0.38	0.18	2.03
SalMoyMoy	0.3	-0.09	0.73	9.14
TempMoyMoy	0.31	0	0.63	8.7
STEMMEAN	0.54	0.19	0.87	20.79
BTEMMEAN	-0.44	-0.64	-0.24	13.94
O2_Sat_Mea	0.01	-0.22	0.26	1.07
LaDeTow	-0.66	-0.81	-0.51	31.39
LoDeTow	0.2	-0.1	0.5	4.1

Tjur's R² : 0.45

AUC: 0.9 ± 0.02



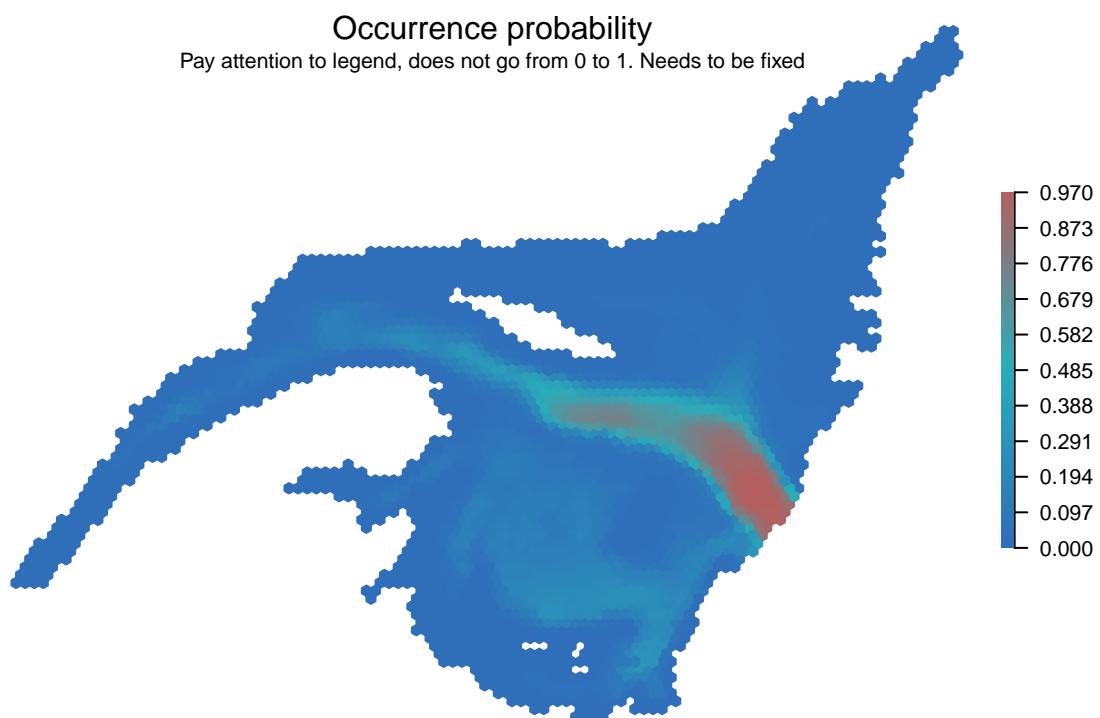
Taxa: *Munidopsis curvirostra*

Table 36: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.13	-2.49	-1.81	0
Prof	1.14	0.87	1.41	45.62
SSAL_MEAN	-0.15	-0.57	0.25	2.15
SalMoyMoy	0.45	-0.01	0.98	8.64
TempMoyMoy	-0.38	-0.79	0.01	6.03
STEMMEAN	0.33	-0.1	0.82	5.21
BTEMMEAN	-0.33	-0.58	-0.07	4.28
O2_Sat_Mea	0.27	-0.07	0.63	3.53
LaDeTow	-0.79	-1.05	-0.53	22.16
LoDeTow	0.05	-0.43	0.49	1.85

Tjur's R² : 0.55

AUC: 0.95 ± 0.02



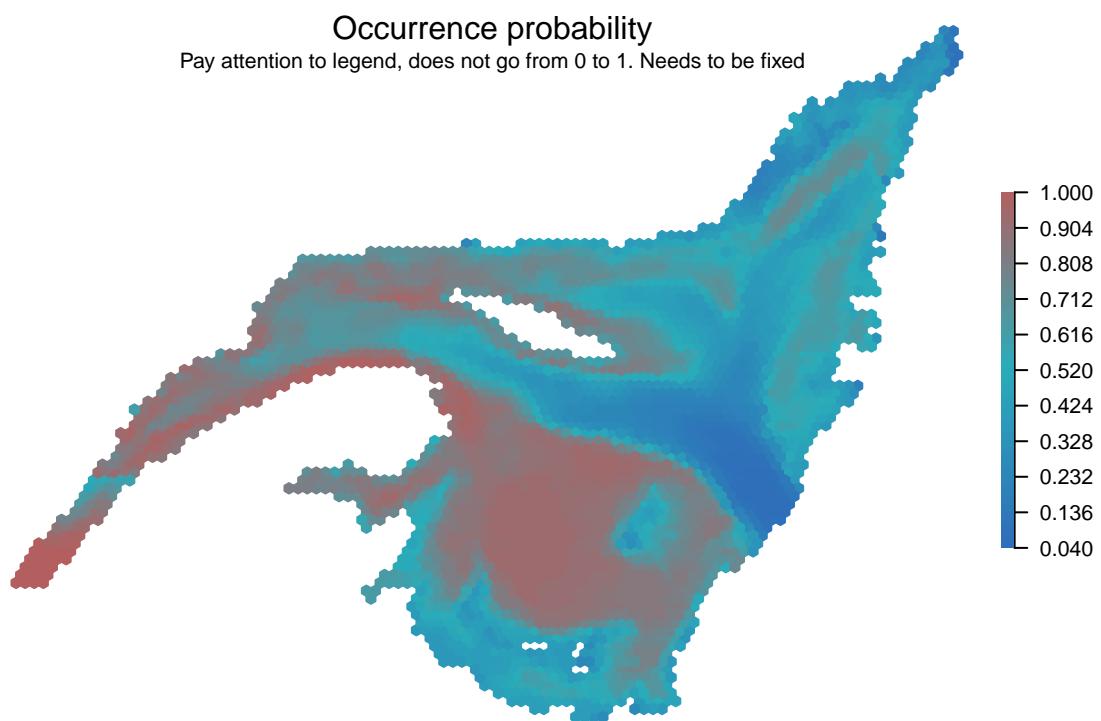
Taxa: *Chionoecetes opilio*

Table 37: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.34	0.23	0.45	0
Prof	-0.56	-0.76	-0.37	30.83
SSAL_MEAN	-0.46	-0.73	-0.19	20.95
SalMoyMoy	0.23	-0.02	0.6	6.68
TempMoyMoy	-0.26	-0.49	-0.02	7.84
STEMMEAN	0.31	0.13	0.51	9.63
BTEMMEAN	-0.25	-0.46	-0.06	6.58
O2_Sat_Mea	-0.29	-0.47	-0.1	9.36
LaDeTow	0.13	0	0.24	2.04
LoDeTow	-0.15	-0.41	0.1	4.18

Tjur's R² : 0.25

AUC: 0.8 ± 0.04



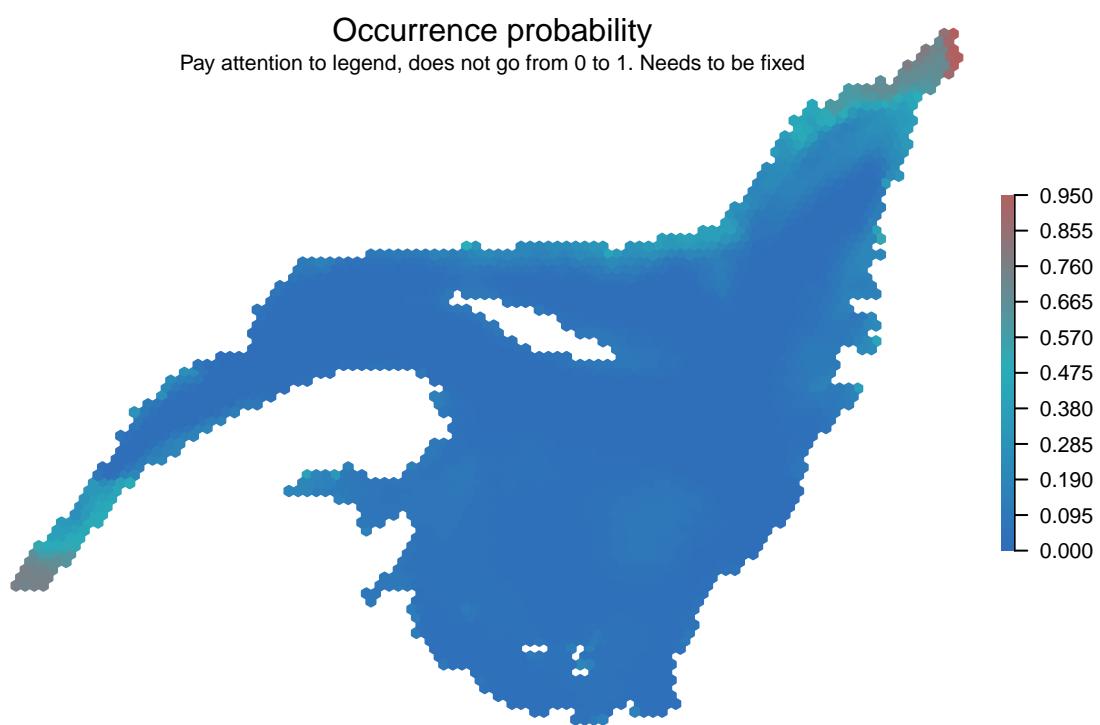
Taxa: *Hyas araneus*

Table 38: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.96	-2.23	-1.72	0
Prof	-0.58	-0.93	-0.24	39.77
SSAL_MEAN	-0.29	-0.66	0.05	11.53
SalMoyMoy	-0.14	-0.45	0.08	4.49
TempMoyMoy	-0.02	-0.28	0.26	2.71
STEMMEAN	-0.21	-0.51	0.09	9.22
BTEMMEAN	-0.06	-0.41	0.25	3.09
O2_Sat_Mea	0.22	-0.04	0.46	7.58
LaDeTow	0.19	-0.01	0.38	5.8
LoDeTow	0.34	0	0.71	14.64

Tjur's R² : 0.4

AUC: 0.9 ± 0.05



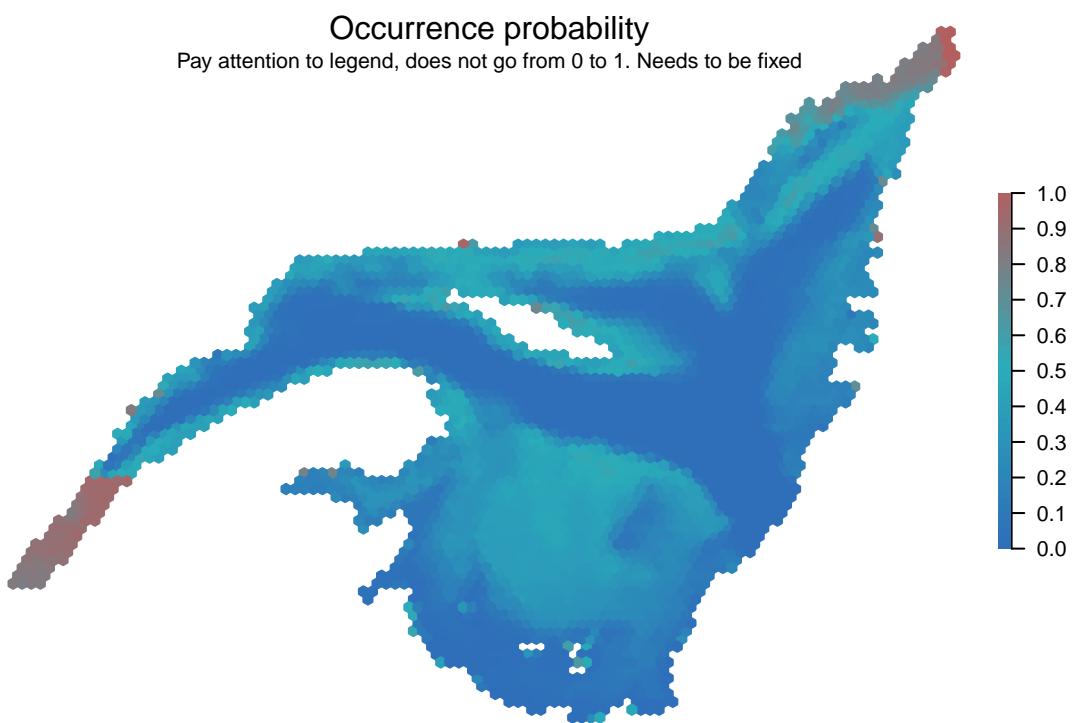
Taxa: *Hyas coarctatus*

Table 39: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.11	-1.29	-0.94	0
Prof	-0.95	-1.24	-0.68	66.24
SSAL_MEAN	-0.08	-0.34	0.18	1.74
SalMoyMoy	-0.22	-0.61	0.07	5.93
TempMoyMoy	-0.29	-0.53	-0.02	7.86
STEMMEAN	-0.06	-0.32	0.17	1.57
BTEMMEAN	-0.26	-0.48	-0.05	5.68
O2_Sat_Mea	-0.21	-0.43	0.02	3.88
LaDeTow	0.24	0.09	0.39	4.94
LoDeTow	0.07	-0.22	0.34	1.63

Tjur's R² : 0.45

AUC: 0.89 ± 0.04



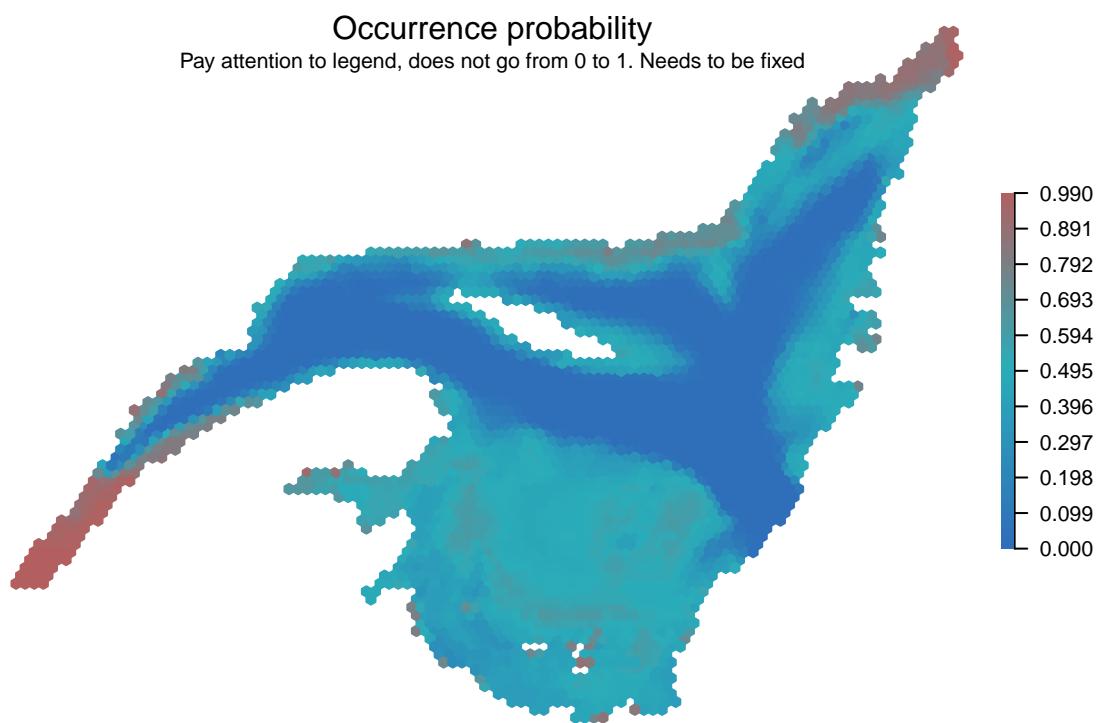
Taxa: *Strongylocentrotus* sp.

Table 40: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.82	-0.96	-0.69	0
Prof	-0.76	-1.01	-0.51	55.35
SSAL_MEAN	-0.23	-0.53	0.06	6.69
SalMoyMoy	-0.03	-0.3	0.14	1.35
TempMoyMoy	-0.31	-0.54	-0.08	10.66
STEMMEAN	-0.31	-0.56	-0.05	10.42
BTEMMEAN	0.04	-0.18	0.26	1.37
O2_Sat_Mea	0.22	0.01	0.44	5.98
LaDeTow	-0.2	-0.35	-0.06	4.02
LoDeTow	0.14	-0.14	0.43	3.34

Tjur's R² : 0.54

AUC: 0.92 ± 0.02



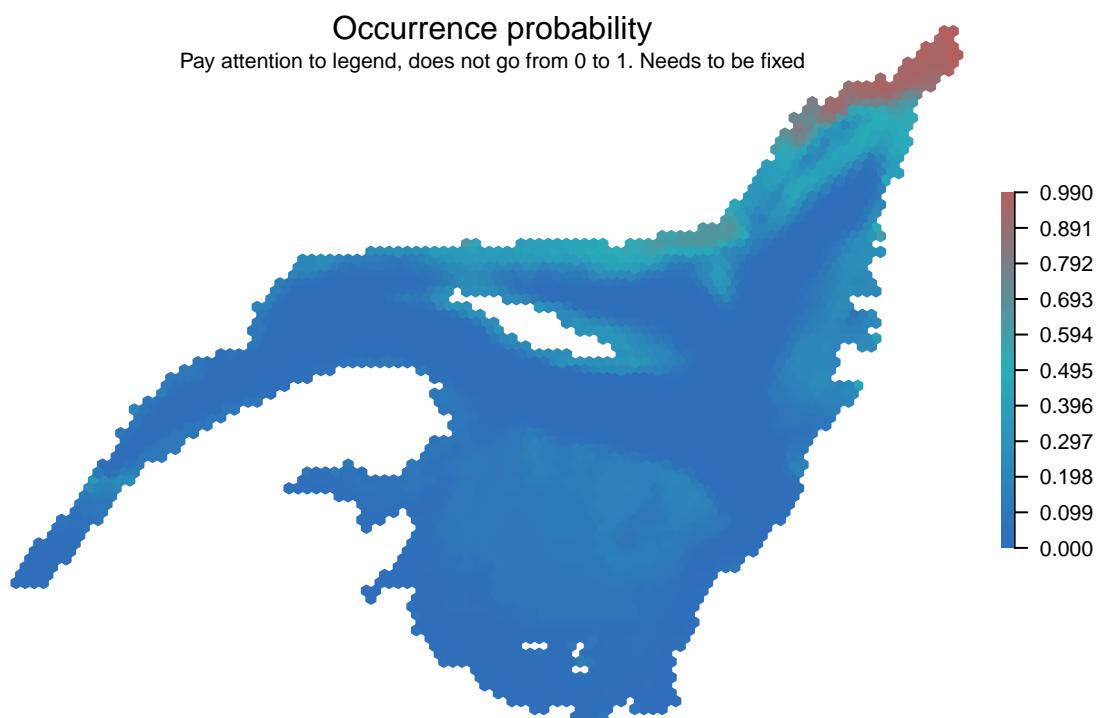
Taxa: Crossaster papposus

Table 41: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.86	-2.15	-1.61	0
Prof	-1.02	-1.42	-0.65	67.43
SSAL_MEAN	0.2	-0.12	0.56	4.58
SalMoyMoy	-0.06	-0.35	0.15	1.49
TempMoyMoy	-0.17	-0.42	0.1	3.41
STEMMEAN	-0.28	-0.6	0.04	6.84
BTEMMEAN	-0.16	-0.45	0.13	3.12
O2_Sat_Mea	0.06	-0.19	0.31	1.43
LaDeTow	0.21	0.02	0.38	3.58
LoDeTow	0.28	-0.04	0.6	7.03

Tjur's R² : 0.51

AUC: 0.93 ± 0.03



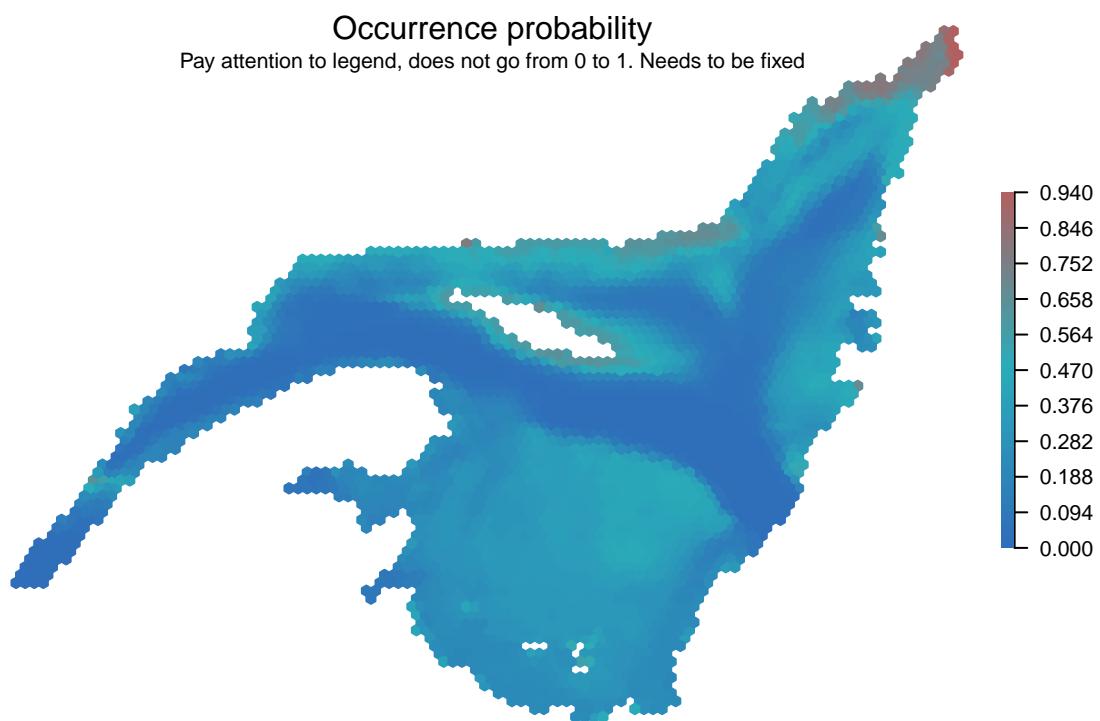
Taxa: *Ophiopholis aculeata*

Table 42: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.95	-1.26	-0.68	0
Prof	-0.78	-1.06	-0.52	24.58
SSAL_MEAN	0.63	0.32	0.93	15.61
SalMoyMoy	-0.09	-0.37	0.08	0.9
TempMoyMoy	-0.03	-0.25	0.2	0.62
STEMMEAN	-0.18	-0.4	0.04	1.61
BTEMMEAN	-0.08	-0.31	0.15	0.89
O2_Sat_Mea	-0.06	-0.27	0.17	0.62
LaDeTow	-0.09	-0.24	0.05	0.5
LoDeTow	-0.03	-0.31	0.23	0.74

Tjur's R² : 0.38

AUC: 0.86 ± 0.04



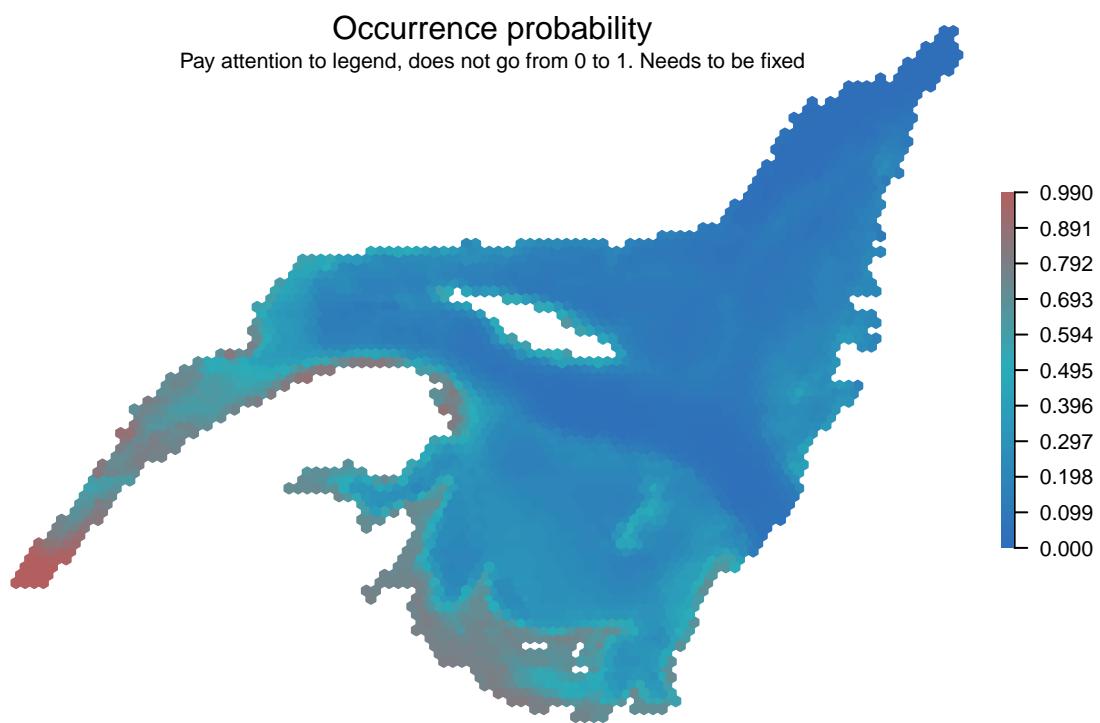
Taxa: *Ophiura* sp.

Table 43: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.75	-0.87	-0.63	0
Prof	-0.36	-0.57	-0.16	15.12
SSAL_MEAN	-0.07	-0.33	0.19	2.93
SalMoyMoy	0.11	-0.14	0.44	3.51
TempMoyMoy	-0.12	-0.35	0.14	3.08
STEMMEAN	-0.12	-0.36	0.1	3.04
BTEMMEAN	0.54	0.35	0.74	31.92
O2_Sat_Mea	-0.3	-0.49	-0.12	10.82
LaDeTow	-0.21	-0.34	-0.08	5.34
LoDeTow	-0.44	-0.69	-0.19	21.83

Tjur's R² : 0.26

AUC: 0.81 ± 0.03



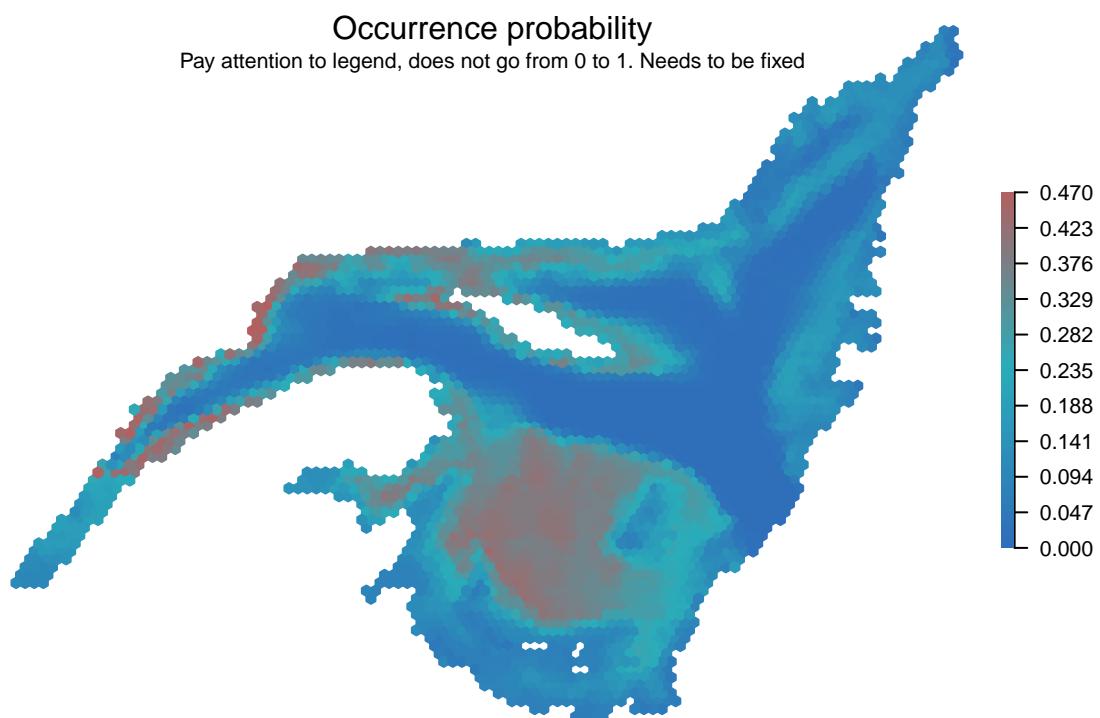
Taxa: *Ophiacantha bidentata*

Table 44: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.31	-1.53	-1.09	0
Prof	-0.65	-0.93	-0.37	29.18
SSAL_MEAN	0.07	-0.2	0.37	1.61
SalMoyMoy	0.19	-0.04	0.51	3.28
TempMoyMoy	-0.3	-0.57	-0.06	7.3
STEMMEAN	0.06	-0.15	0.27	1.02
BTEMMEAN	-0.12	-0.37	0.11	1.96
O2_Sat_Mea	-0.03	-0.23	0.18	0.83
LaDeTow	-0.01	-0.17	0.14	0.46
LoDeTow	-0.3	-0.58	-0.04	7.4

Tjur's R² : 0.24

AUC: 0.85 ± 0.04



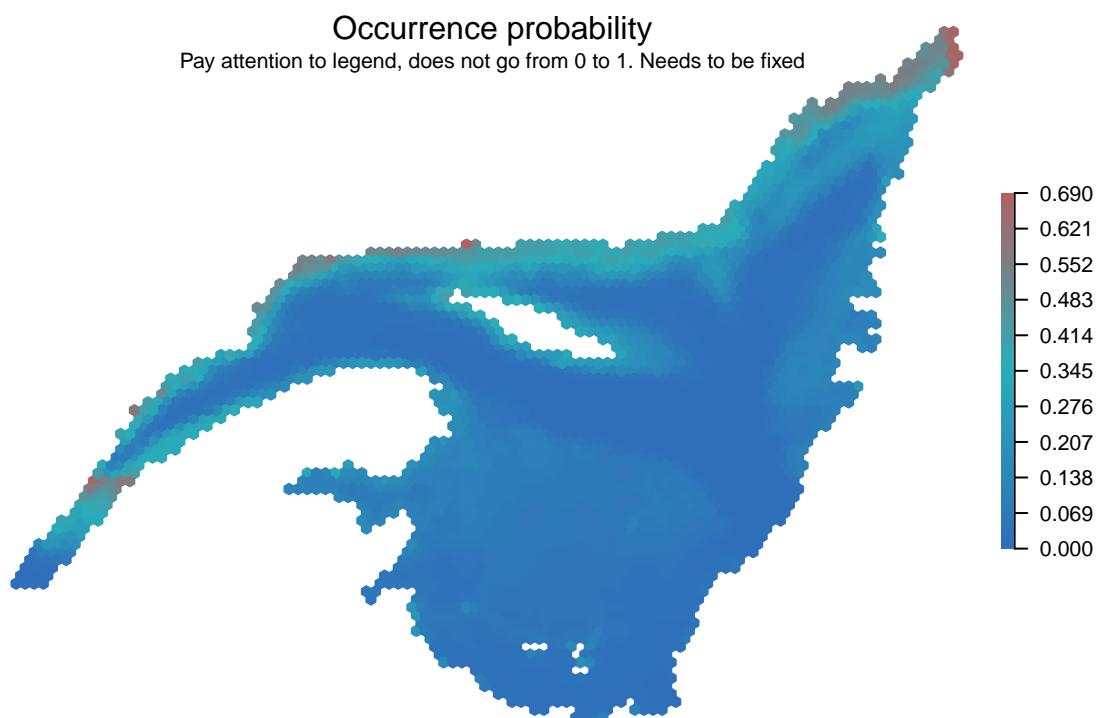
Taxa: *Gorgonocephalus* sp.

Table 45: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.5	-1.69	-1.32	0
Prof	-0.4	-0.69	-0.11	29.14
SSAL_MEAN	0.22	-0.07	0.5	8.98
SalMoyMoy	-0.04	-0.25	0.1	1.59
TempMoyMoy	-0.2	-0.41	0.03	8.89
STEMMEAN	-0.28	-0.51	-0.05	13.06
BTEMMEAN	0.17	-0.08	0.43	5.97
O2_Sat_Mea	0.06	-0.15	0.27	2.92
LaDeTow	0.27	0.12	0.43	13.23
LoDeTow	-0.27	-0.54	0	12.35

Tjur's R² : 0.28

AUC: 0.85 ± 0.04



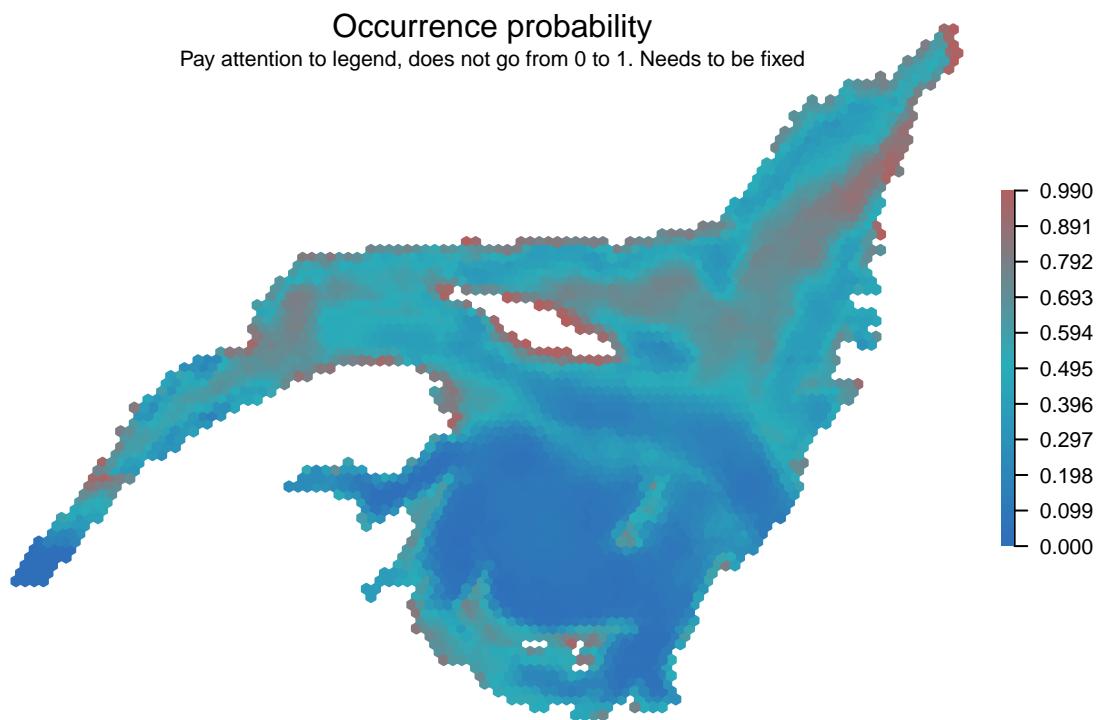
Taxa: Ascidiacea

Table 46: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.32	-0.42	-0.21	0
Prof	-0.47	-0.66	-0.27	12.13
SSAL_MEAN	0.64	0.4	0.9	21.21
SalMoyMoy	-0.29	-0.65	-0.02	5.56
TempMoyMoy	0.22	-0.02	0.47	3.23
STEMMEAN	-0.39	-0.58	-0.21	8
BTEMMEAN	0.58	0.38	0.77	17.39
O2_Sat_Mea	-0.67	-0.86	-0.47	23.74
LaDeTow	0.29	0.16	0.41	4.71
LoDeTow	-0.19	-0.42	0.02	2.41

Tjur's R^2 : 0.23

AUC: 0.79 ± 0.03



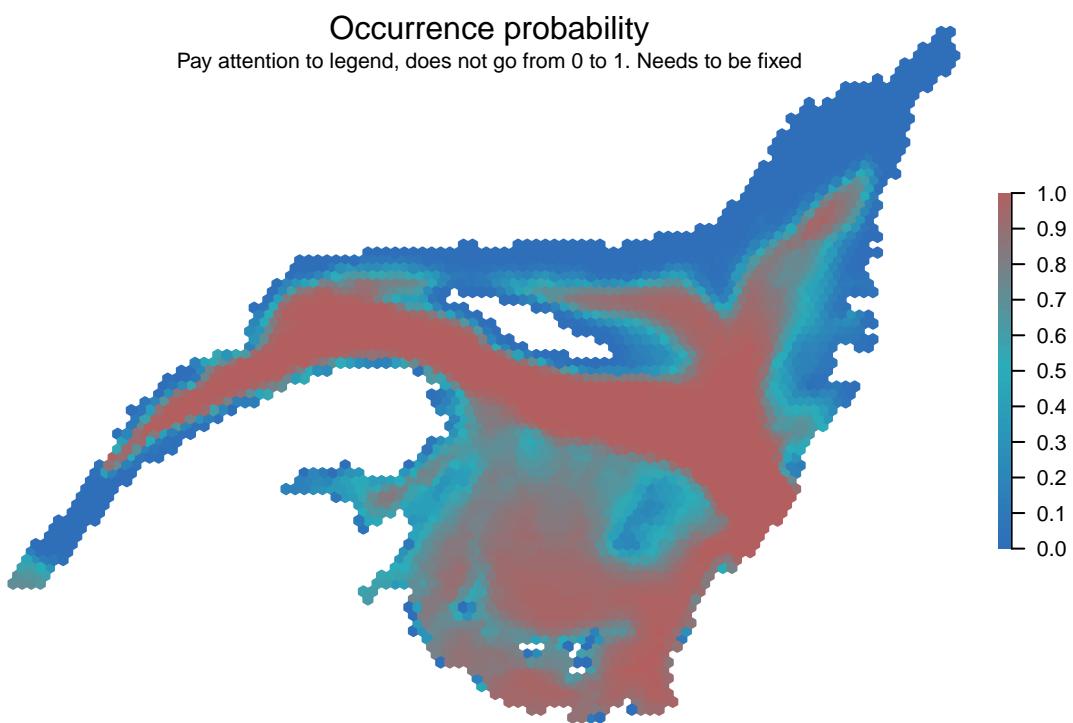
Taxa: *Myxine glutinosa*

Table 47: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.25	0.07	0.44	0
Prof	1.31	0.96	1.65	39.64
SSAL_MEAN	-0.24	-0.56	0.08	1.89
SalMoyMoy	0.72	0.25	1.27	12.85
TempMoyMoy	-0.06	-0.44	0.33	0.83
STEMMEAN	0.99	0.6	1.38	22.49
BTEMMEAN	-0.17	-0.44	0.1	1.05
O2_Sat_Mea	-0.15	-0.42	0.14	1.01
LaDeTow	-0.84	-1.04	-0.64	16.59
LoDeTow	-0.35	-0.67	-0.05	3.5

Tjur's R² : 0.7

AUC: 0.96 ± 0.01



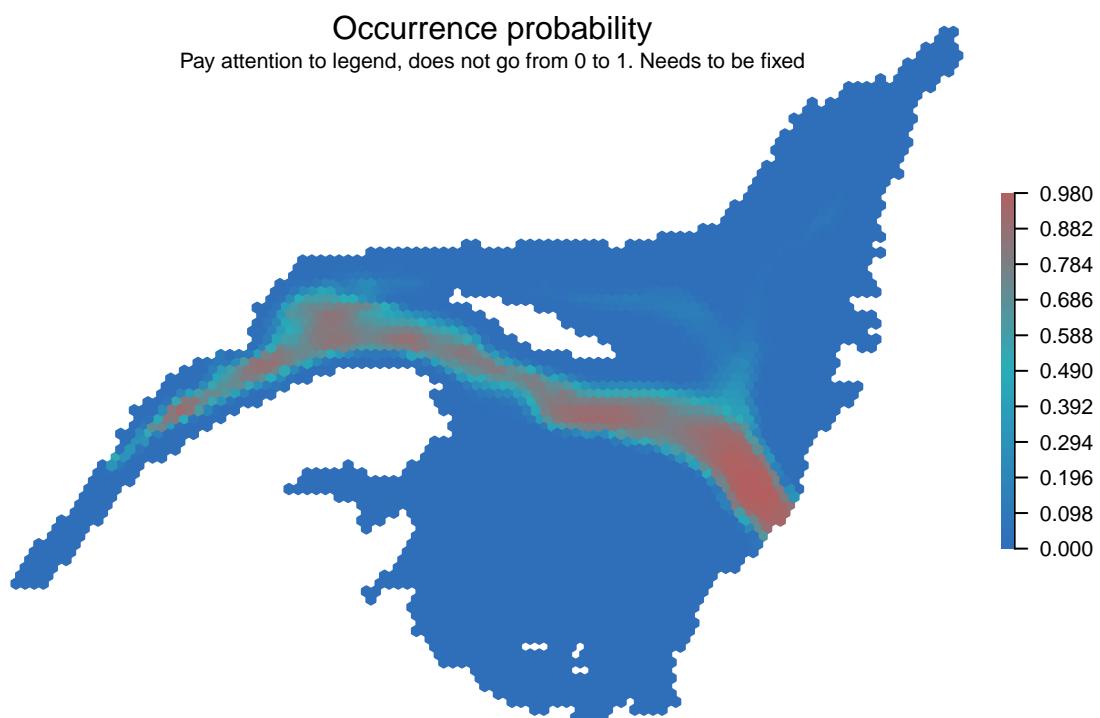
Taxa: *Centroscyllium fabricii*

Table 48: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.86	-3.47	-2.32	0
Prof	1.56	1.23	1.94	54.6
SSAL_MEAN	0.15	-0.29	0.58	1.52
SalMoyMoy	0.69	0.19	1.26	11.68
TempMoyMoy	-0.28	-0.81	0.25	3.19
STEMMEAN	0.56	0.04	1.07	8.23
BTEMMEAN	0	-0.27	0.24	0.39
O2_Sat_Mea	-0.05	-0.46	0.33	0.91
LaDeTow	-0.12	-0.39	0.14	0.74
LoDeTow	-0.9	-1.32	-0.48	18.39

Tjur's R² : 0.44

AUC: 0.96 ± 0.01



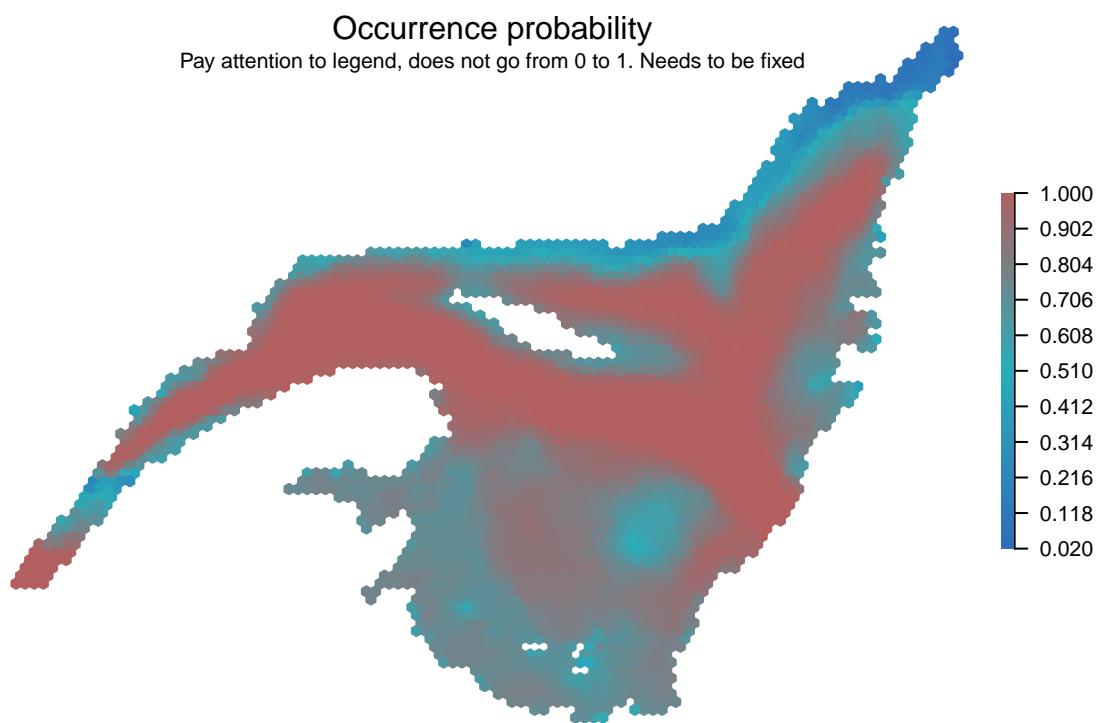
Taxa: *Amblyraja radiata*

Table 49: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	1.11	0.97	1.26	0
Prof	0.39	0.14	0.61	21.75
SSAL_MEAN	-0.28	-0.56	0.02	12.22
SalMoyMoy	0.11	-0.11	0.46	4.45
TempMoyMoy	-0.04	-0.3	0.19	2.04
STEMMEAN	0.41	0.16	0.64	23.03
BTEMMEAN	0.05	-0.17	0.28	2.2
O2_Sat_Mea	-0.42	-0.62	-0.22	25.64
LaDeTow	0.16	0.02	0.3	3.84
LoDeTow	-0.07	-0.36	0.21	3.6

Tjur's R² : 0.34

AUC: 0.83 ± 0.04



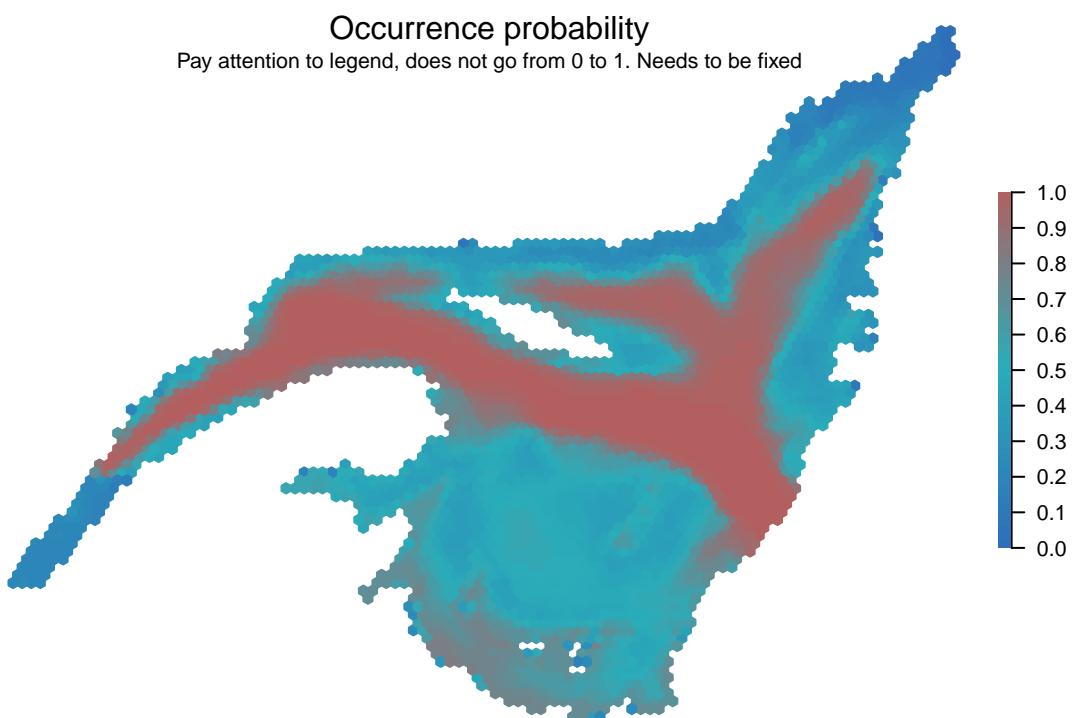
Taxa: Malacoraja senta

Table 50: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.51	0.38	0.62	0
Prof	0.5	0.28	0.72	39.67
SSAL_MEAN	0.08	-0.22	0.37	3.49
SalMoyMoy	0.14	-0.12	0.49	6.63
TempMoyMoy	0.19	-0.06	0.42	8.7
STEMMEAN	0.02	-0.24	0.29	2.86
BTEMMEAN	0.16	-0.05	0.36	4.72
O2_Sat_Mea	-0.35	-0.56	-0.15	20.76
LaDeTow	-0.14	-0.27	0	3.63
LoDeTow	-0.21	-0.51	0.05	8.74

Tjur's R² : 0.46

AUC: 0.87 ± 0.03



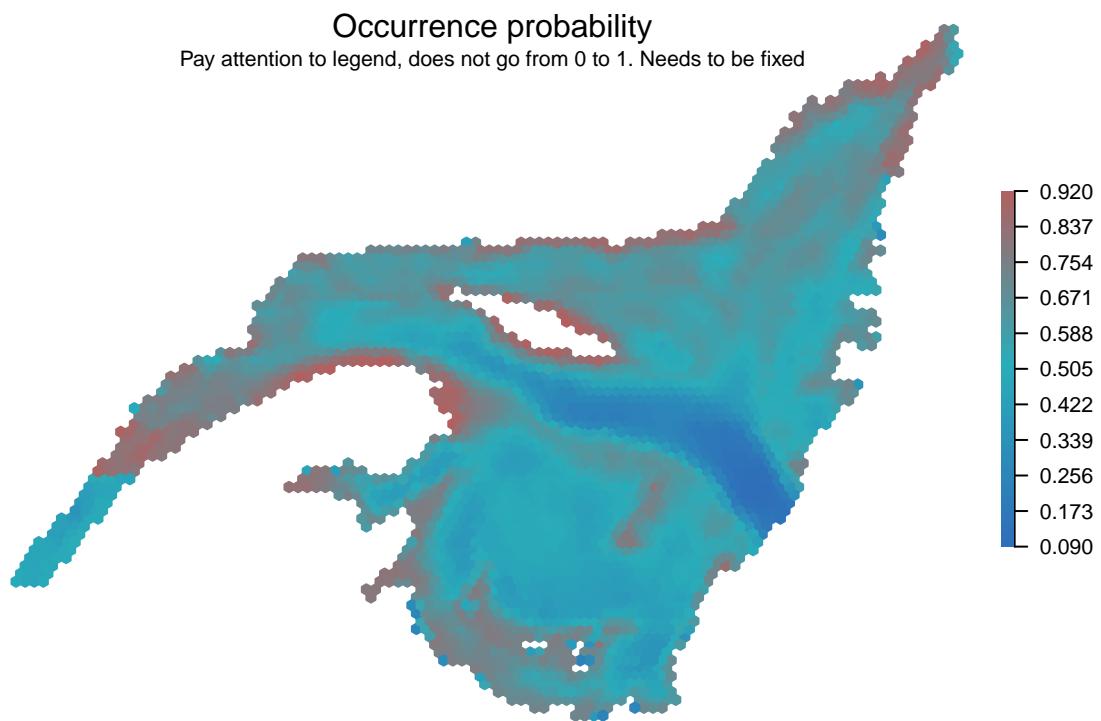
Taxa: *Clupea harengus*

Table 51: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.18	0.07	0.28	0
Prof	-0.55	-0.72	-0.39	45.2
SSAL_MEAN	-0.06	-0.3	0.18	2.77
SalMoyMoy	0.16	0	0.42	5.19
TempMoyMoy	0.15	-0.04	0.35	4.86
STEMMEAN	-0.24	-0.44	-0.06	9.64
BTEMMEAN	0.17	-0.02	0.35	5.28
O2_Sat_Mea	-0.34	-0.52	-0.16	17.56
LaDeTow	0.09	-0.03	0.2	1.84
LoDeTow	0	-0.21	0.22	1.72

Tjur's R² : 0.14

AUC: 0.69 ± 0.04



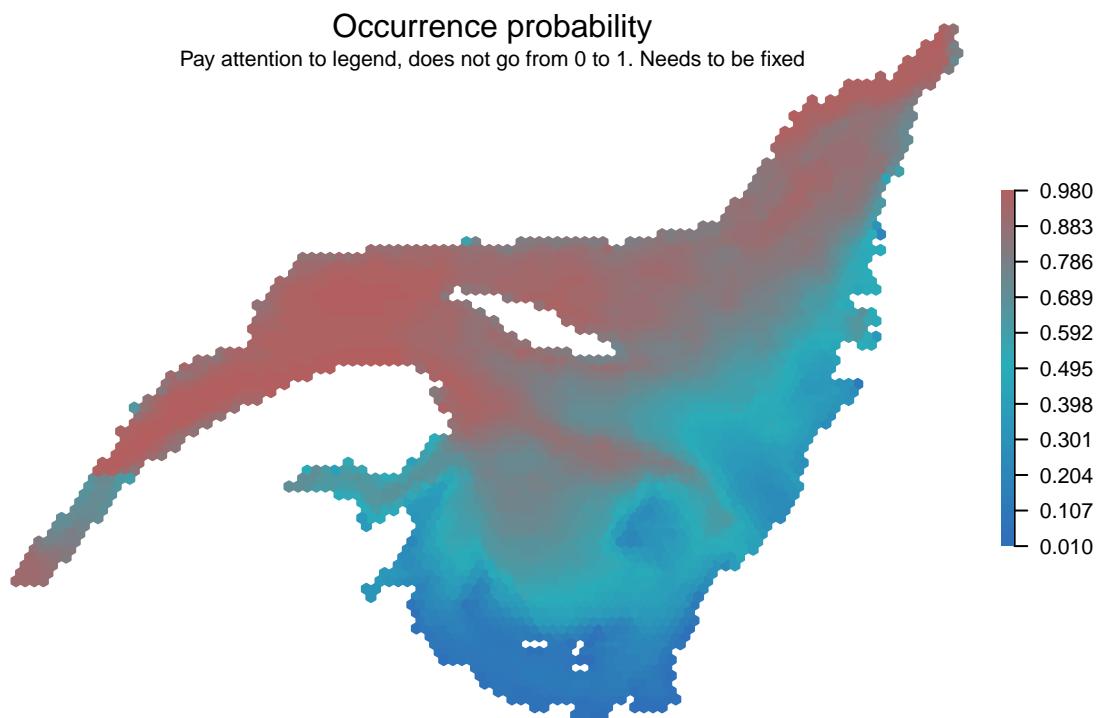
Taxa: *Mallotus villosus*

Table 52: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.53	0.29	0.77	0
Prof	-0.17	-0.37	0.02	3.91
SSAL_MEAN	-0.25	-0.53	0.05	8.2
SalMoyMoy	0.19	0.02	0.43	4.56
TempMoyMoy	-0.12	-0.36	0.13	2.54
STEMMEAN	-0.08	-0.31	0.14	2.08
BTEMMEAN	-0.16	-0.37	0.06	3.6
O2_Sat_Mea	-0.34	-0.55	-0.13	12.87
LaDeTow	0.56	0.42	0.7	31.78
LoDeTow	-0.18	-0.45	0.09	5.25

Tjur's R^2 : 0.43

AUC: 0.9 ± 0.02



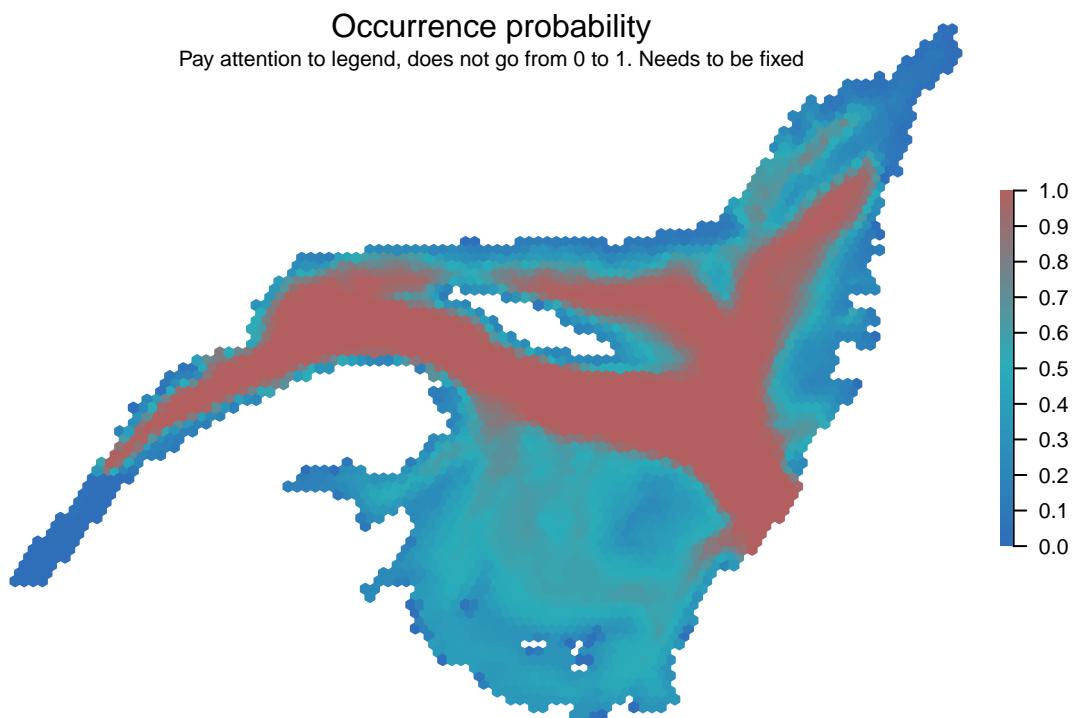
Taxa: Arctozenus risso

Table 53: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.65	0.46	0.85	0
Prof	1.46	1.12	1.81	78.49
SSAL_MEAN	0.25	-0.05	0.54	3.12
SalMoyMoy	0.27	-0.08	0.67	4.07
TempMoyMoy	0.1	-0.2	0.39	1.27
STEMMEAN	0.16	-0.12	0.46	1.79
BTEMMEAN	-0.1	-0.34	0.14	0.99
O2_Sat_Mea	0.01	-0.26	0.26	0.6
LaDeTow	-0.2	-0.36	-0.03	1.73
LoDeTow	-0.28	-0.56	-0.01	3.62

Tjur's R^2 : 0.64

AUC: 0.95 ± 0.01



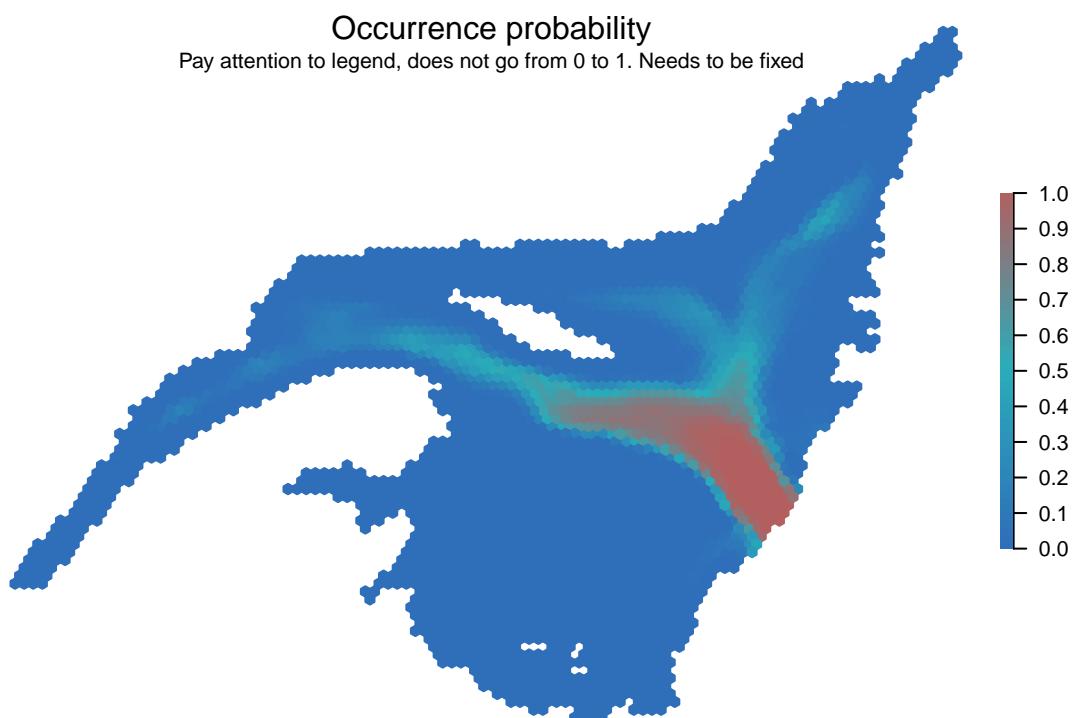
Taxa: Myctophidae

Table 54: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.44	-2.9	-2.05	0
Prof	1.44	1.11	1.8	70.02
SSAL_MEAN	0.22	-0.25	0.67	3.4
SalMoyMoy	0.4	-0.09	0.95	7.5
TempMoyMoy	0.04	-0.41	0.49	1.77
STEMMEAN	0.05	-0.43	0.53	2.04
BTEMMEAN	0.29	0.01	0.57	3.39
O2_Sat_Mea	0.18	-0.19	0.57	2.44
LaDeTow	-0.38	-0.61	-0.14	5.5
LoDeTow	0.21	-0.25	0.65	3.2

Tjur's R² : 0.58

AUC: 0.96 ± 0.01



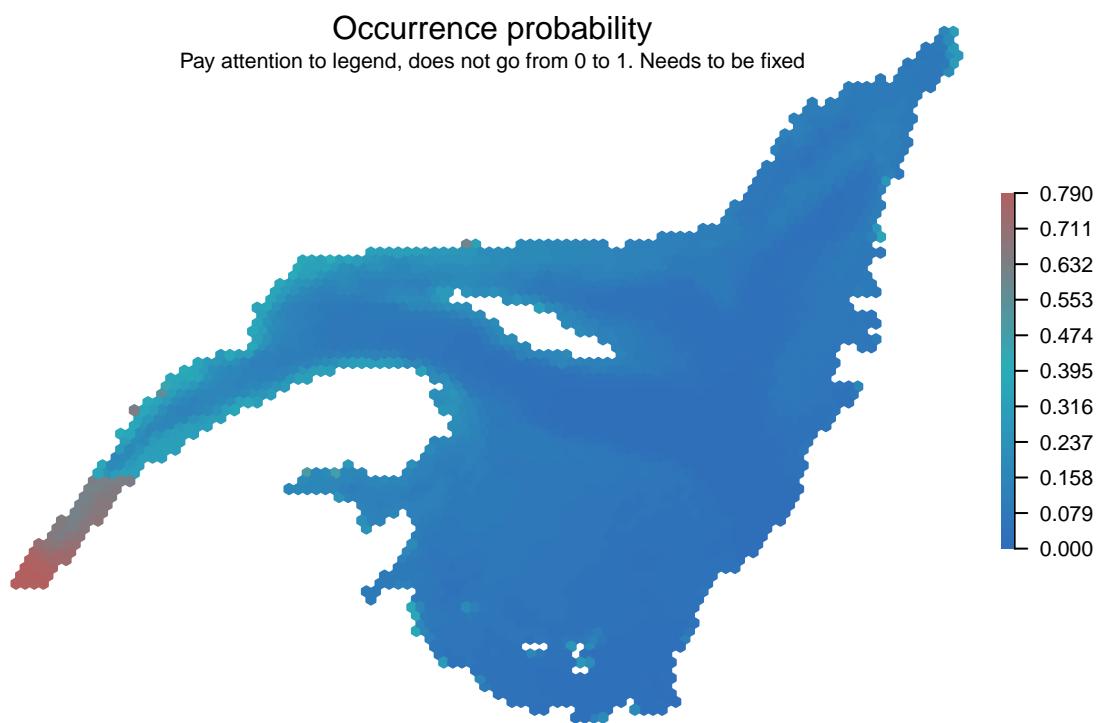
Taxa: *Boreogadus saida*

Table 55: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.46	-1.62	-1.31	0
Prof	-0.19	-0.44	0.07	13.53
SSAL_MEAN	-0.03	-0.33	0.25	5.48
SalMoyMoy	-0.13	-0.35	0.02	6.28
TempMoyMoy	-0.14	-0.36	0.08	8.53
STEMMEAN	-0.03	-0.26	0.19	2.92
BTEMMEAN	0.13	-0.11	0.37	6.31
O2_Sat_Mea	-0.06	-0.26	0.14	3.34
LaDeTow	0.3	0.14	0.48	23.83
LoDeTow	-0.32	-0.59	-0.04	25.9

Tjur's R² : 0.1

AUC: 0.77 ± 0.04



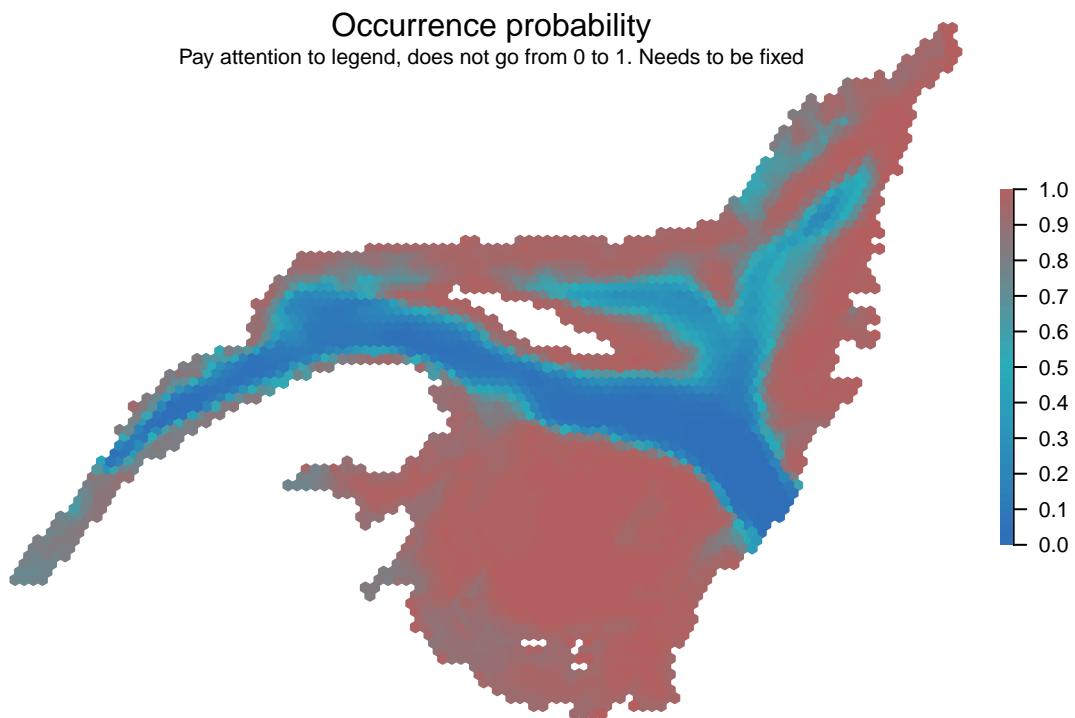
Taxa: *Gadus morhua*

Table 56: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.8	0.61	0.98	0
Prof	-1.29	-1.51	-1.07	75.16
SSAL_MEAN	0.13	-0.19	0.43	1.84
SalMoyMoy	-0.04	-0.34	0.14	0.82
TempMoyMoy	-0.18	-0.47	0.14	2.55
STEMMEAN	0.36	0.1	0.63	6.59
BTEMMEAN	-0.29	-0.51	-0.09	4.23
O2_Sat_Mea	-0.02	-0.24	0.2	0.6
LaDeTow	0.08	-0.07	0.23	0.56
LoDeTow	0.2	-0.08	0.49	2.65

Tjur's R^2 : 0.5

AUC: 0.91 ± 0.02



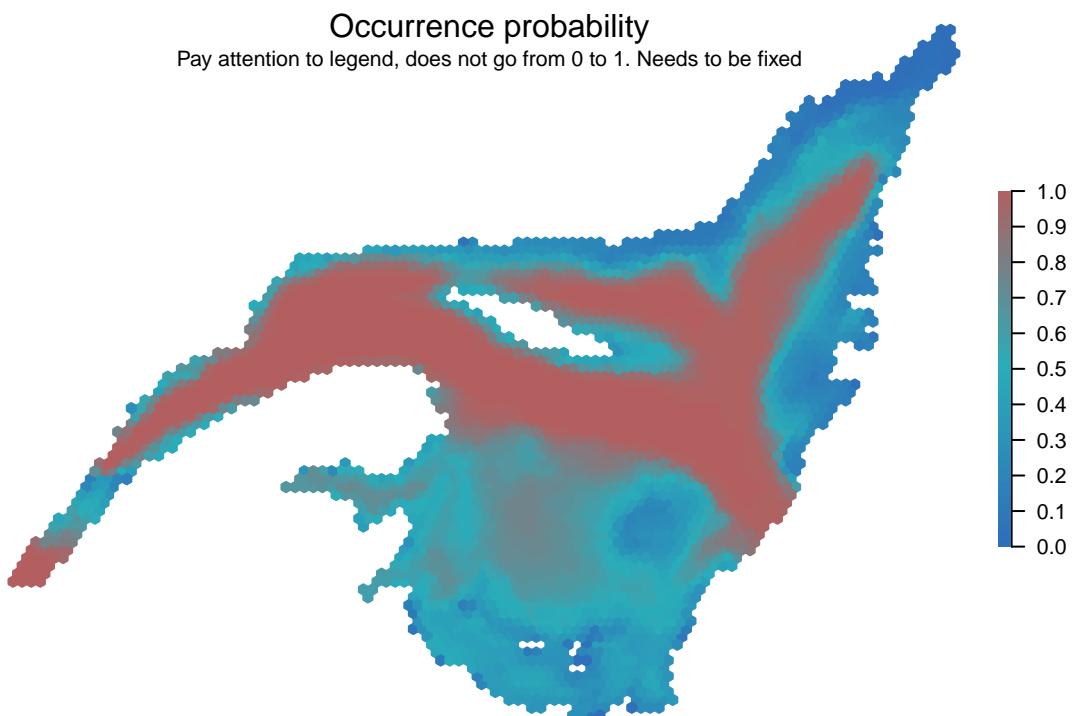
Taxa: *Enchelyopus cimbrius*

Table 57: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.71	0.56	0.85	0
Prof	0.43	0.24	0.62	14.89
SSAL_MEAN	-0.34	-0.66	-0.05	9.9
SalMoyMoy	0.1	-0.13	0.45	2.5
TempMoyMoy	0.19	-0.05	0.43	4.14
STEMMEAN	0.5	0.22	0.82	19.28
BTEMMEAN	-0.28	-0.52	-0.05	6.56
O2_Sat_Mea	-0.53	-0.75	-0.31	22.79
LaDeTow	0.37	0.22	0.51	10.38
LoDeTow	-0.3	-0.59	-0.01	8.77

Tjur's R² : 0.51

AUC: 0.91 ± 0.02



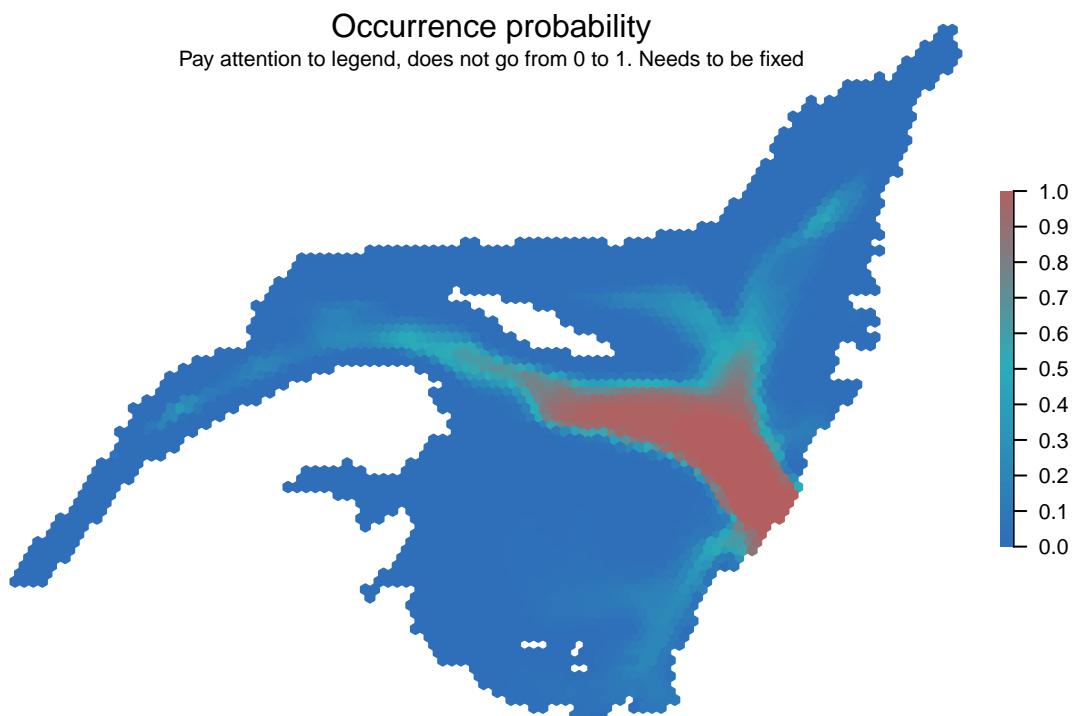
Taxa: *Phycis chesteri*

Table 58: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.22	-2.63	-1.85	0
Prof	1.61	1.25	1.98	52.41
SSAL_MEAN	-0.13	-0.6	0.34	1.38
SalMoyMoy	0.53	0.02	1.12	7.1
TempMoyMoy	-0.15	-0.58	0.27	1.32
STEMMEAN	0.2	-0.24	0.63	1.82
BTEMMEAN	0.05	-0.21	0.33	0.43
O2_Sat_Mea	-0.06	-0.46	0.31	0.81
LaDeTow	-1.14	-1.37	-0.9	26.58
LoDeTow	0.57	0.09	1.1	7.41

Tjur's R² : 0.71

AUC: 0.97 ± 0.01



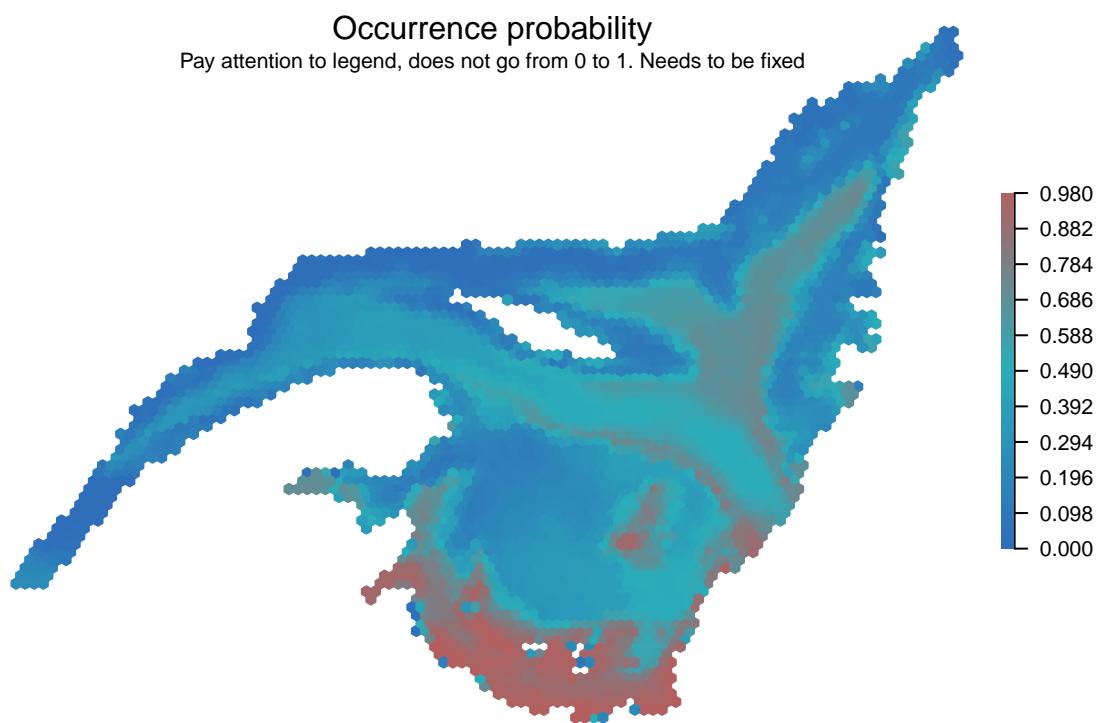
Taxa: *Urophycis tenuis*

Table 59: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.35	-0.47	-0.23	0
Prof	-0.33	-0.52	-0.16	8.26
SSAL_MEAN	-0.24	-0.51	0.04	4.99
SalMoyMoy	0.11	-0.14	0.44	2.64
TempMoyMoy	0.7	0.43	0.95	36.42
STEMMEAN	0.05	-0.2	0.3	1.37
BTEMMEAN	-0.13	-0.33	0.06	1.82
O2_Sat_Mea	-0.29	-0.51	-0.07	7.22
LaDeTow	-0.46	-0.6	-0.32	16.05
LoDeTow	0.52	0.27	0.78	20.06

Tjur's R² : 0.3

AUC: 0.83 ± 0.03



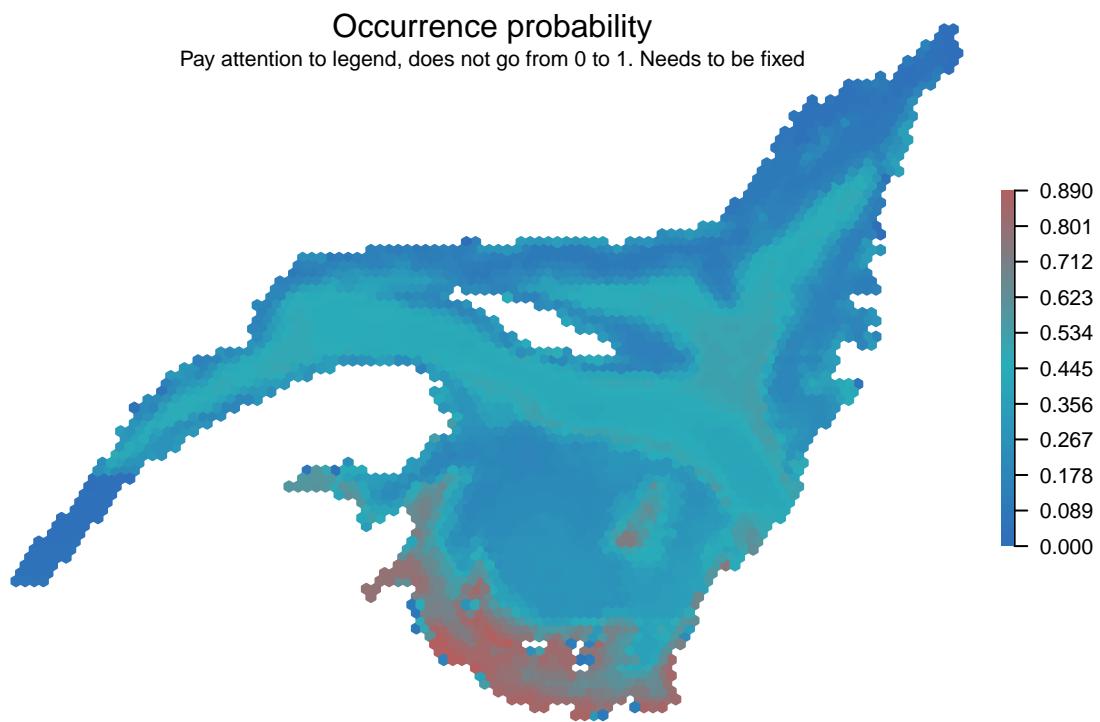
Taxa: *Merluccius bilinearis*

Table 60: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.45	-0.57	-0.33	0
Prof	-0.18	-0.36	0	8.1
SSAL_MEAN	0.01	-0.23	0.25	3.29
SalMoyMoy	0.17	-0.09	0.52	12.17
TempMoyMoy	0.43	0.18	0.68	46.15
STEMMEAN	0.05	-0.17	0.29	3.89
BTEMMEAN	0.02	-0.15	0.19	1.73
O2_Sat_Mea	-0.15	-0.36	0.04	7.84
LaDeTow	-0.21	-0.34	-0.08	11.12
LoDeTow	-0.01	-0.24	0.22	2.97

Tjur's R^2 : 0.15

AUC: 0.72 ± 0.05



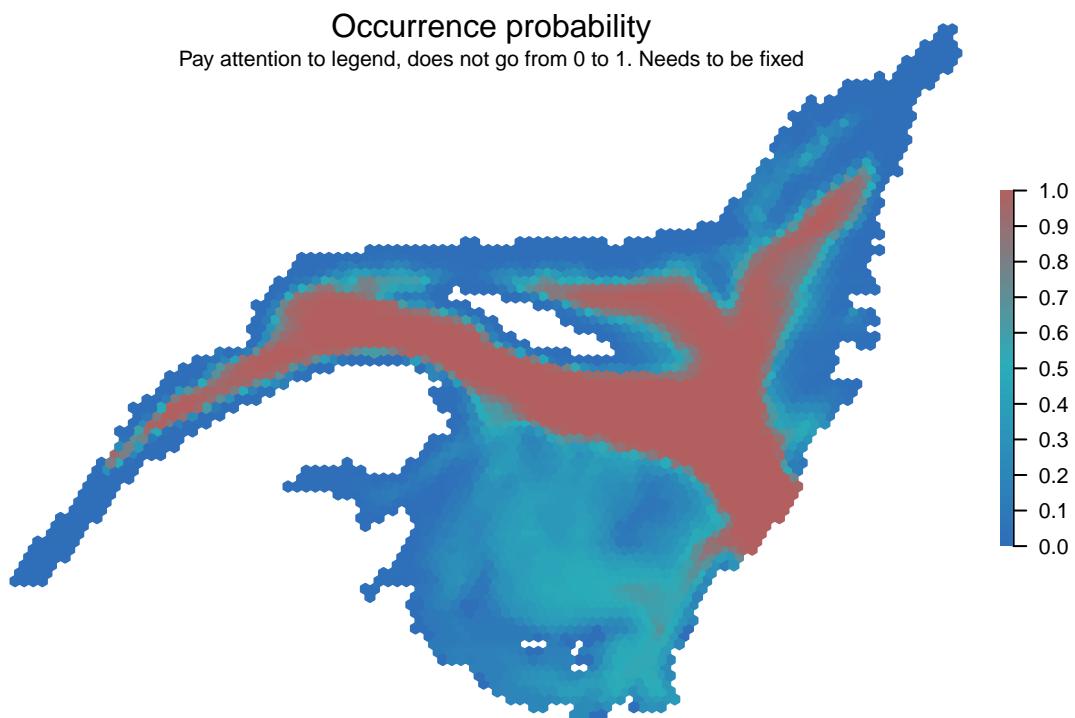
Taxa: *Nezumia bairdii*

Table 61: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.17	-0.39	0.03	0
Prof	1.68	1.34	2.04	65.42
SSAL_MEAN	0.19	-0.14	0.54	1.54
SalMoyMoy	0.52	0.05	1.02	7.56
TempMoyMoy	0.18	-0.16	0.55	1.71
STEMMEAN	0.18	-0.18	0.52	1.44
BTEMMEAN	-0.29	-0.56	-0.02	2.36
O2_Sat_Mea	-0.1	-0.4	0.17	0.78
LaDeTow	-0.83	-1.05	-0.63	16.38
LoDeTow	0.2	-0.15	0.54	1.61

Tjur's R^2 : 0.74

AUC: 0.98 ± 0.01



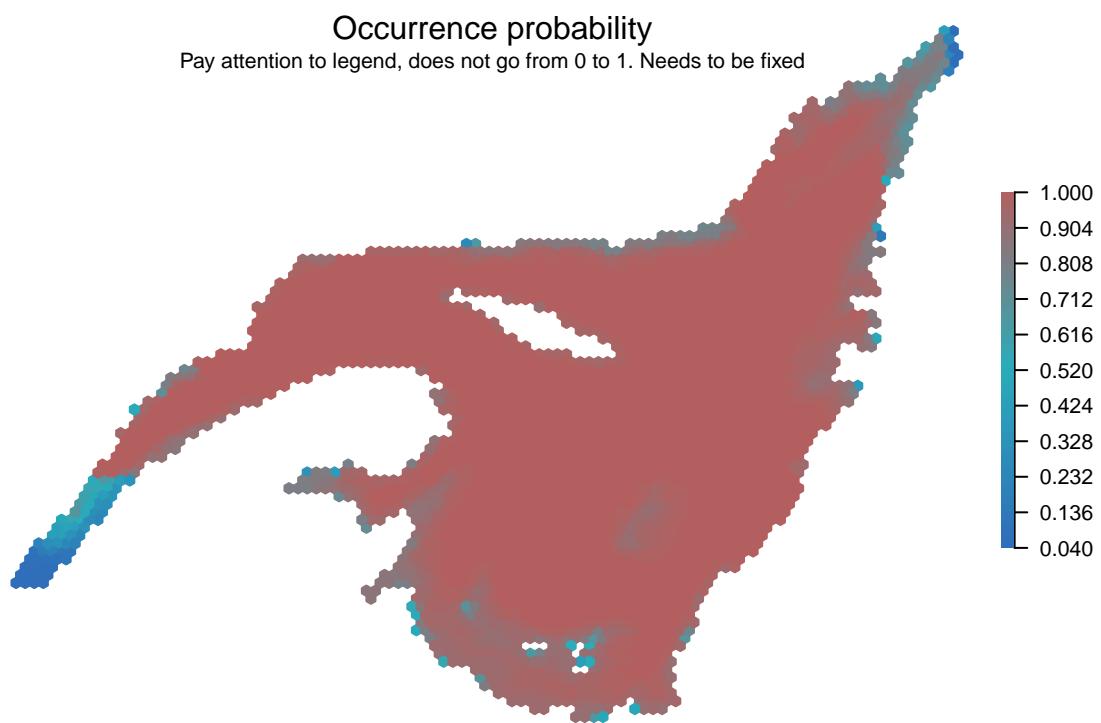
Taxa: *Sebastes* sp.

Table 62: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	2.8	2.33	3.35	0
Prof	1.17	0.68	1.7	64.01
SSAL_MEAN	0.25	-0.14	0.65	4.96
SalMoyMoy	0.32	0.01	0.72	6.62
TempMoyMoy	-0.06	-0.39	0.25	1.37
STEMMEAN	0.19	-0.12	0.49	2.92
BTEMMEAN	-0.16	-0.54	0.19	3.16
O2_Sat_Mea	-0.13	-0.43	0.15	2.24
LaDeTow	-0.18	-0.4	0.04	2.27
LoDeTow	-0.29	-0.72	0.13	5.85

Tjur's R² : 0.46

AUC: 0.95 ± 0.02



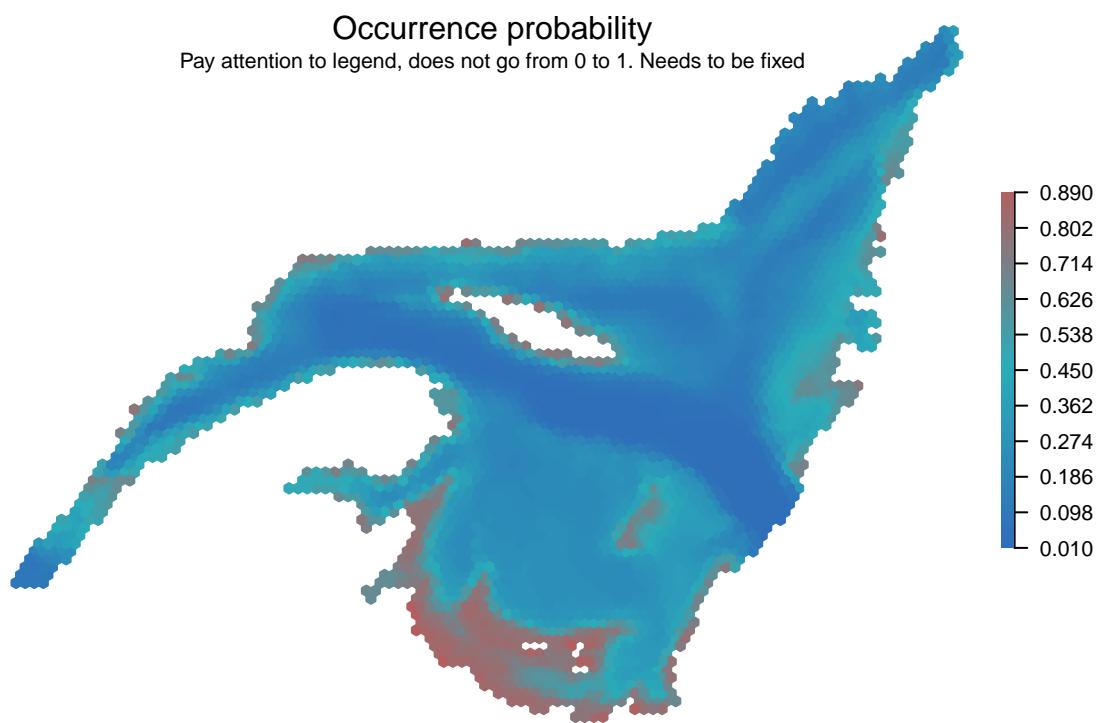
Taxa: *Artediellus* sp.

Table 63: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.65	-0.75	-0.53	0
Prof	-0.64	-0.83	-0.44	47.98
SSAL_MEAN	0.36	0.12	0.61	15.19
SalMoyMoy	-0.08	-0.23	0.03	1.4
TempMoyMoy	0.03	-0.16	0.22	1.21
STEMMEAN	-0.09	-0.29	0.1	1.81
BTEMMEAN	0.41	0.22	0.61	19.49
O2_Sat_Mea	-0.13	-0.3	0.04	2.82
LaDeTow	-0.02	-0.14	0.09	0.48
LoDeTow	-0.25	-0.47	-0.02	7.89

Tjur's R² : 0.2

AUC: 0.79 ± 0.03



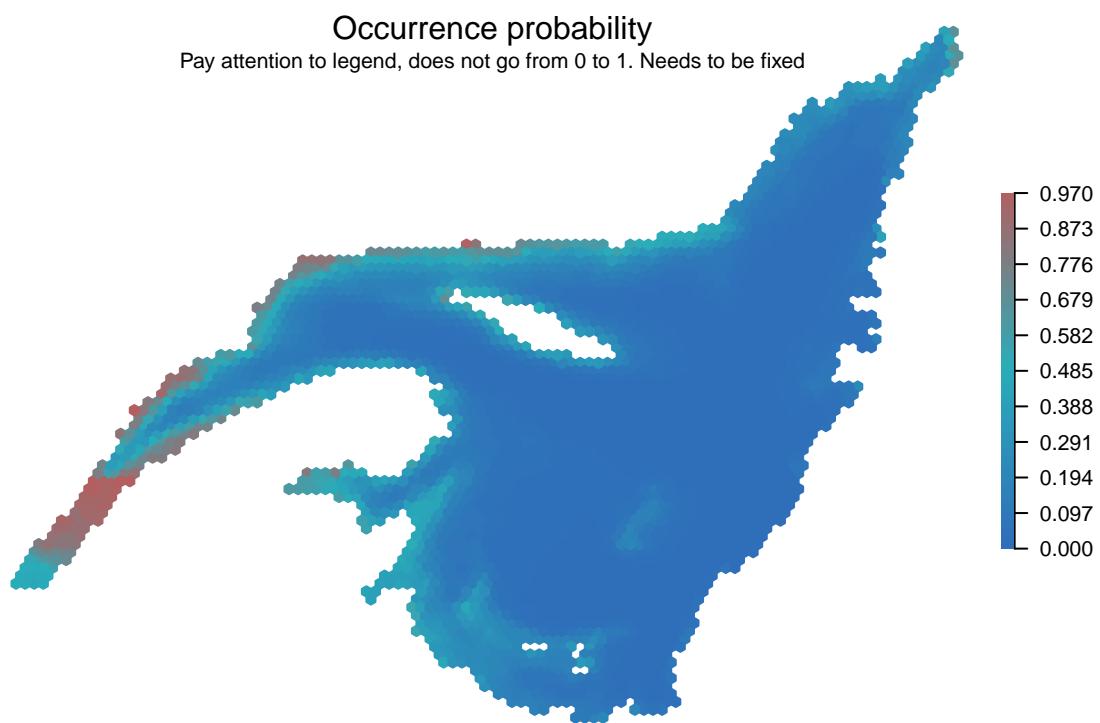
Taxa: *Gymnophanthes tricuspidis*

Table 64: Posterior summaries

Covariates	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.52	-1.72	-1.34	0
Prof	-0.5	-0.76	-0.23	21.6
SSAL_MEAN	0.17	-0.12	0.45	3.22
SalMoyMoy	-0.19	-0.5	0.03	4.4
TempMoyMoy	0.12	-0.12	0.39	2.4
STEMMEAN	-0.32	-0.54	-0.1	8.39
BTEMMEAN	0.25	-0.01	0.49	5.51
O2_Sat_Mea	0.09	-0.12	0.3	1.75
LaDeTow	0.42	0.26	0.6	15.23
LoDeTow	-0.67	-0.95	-0.4	35.58

Tjur's R² : 0.29

AUC: 0.86 ± 0.03



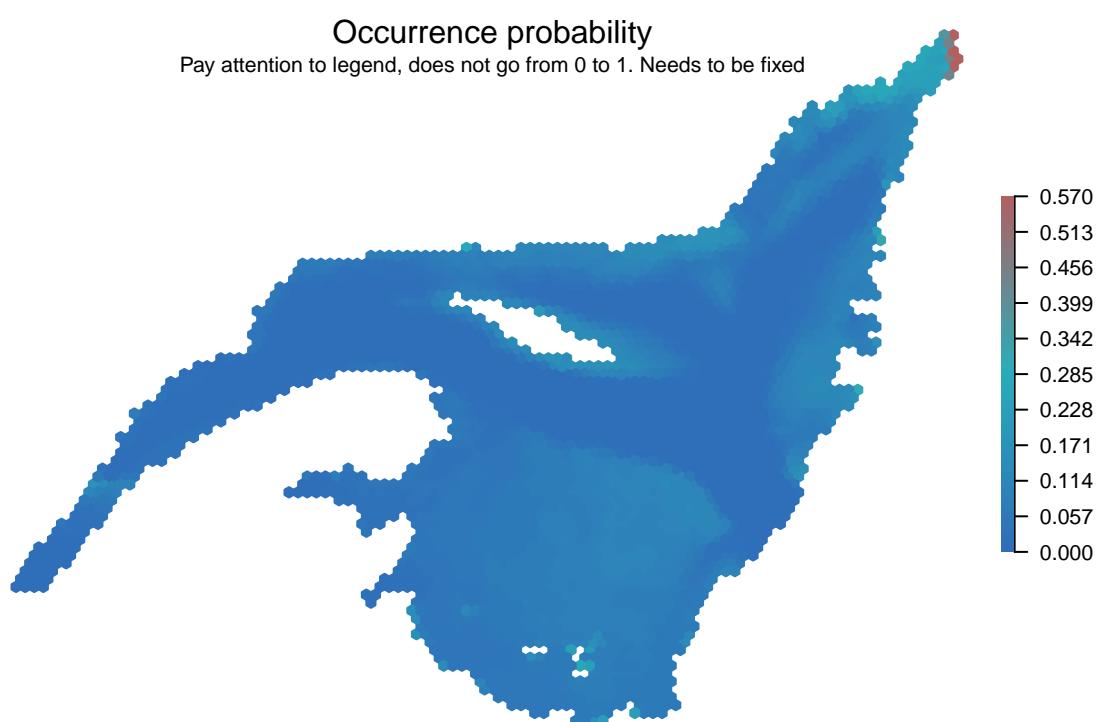
Taxa: *Icelus* sp.

Table 65: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.98	-2.27	-1.75	0
Prof	-0.76	-1.17	-0.4	61.08
SSAL_MEAN	0.34	-0.04	0.69	14.45
SalMoyMoy	-0.08	-0.27	0.05	1.56
TempMoyMoy	-0.1	-0.34	0.17	3.66
STEMMEAN	-0.14	-0.38	0.11	3.52
BTEMMEAN	-0.02	-0.32	0.28	2.48
O2_Sat_Mea	-0.07	-0.32	0.18	2.08
LaDeTow	-0.15	-0.33	0.03	3.09
LoDeTow	0.13	-0.2	0.48	5.22

Tjur's R² : 0.17

AUC: 0.86 ± 0.04



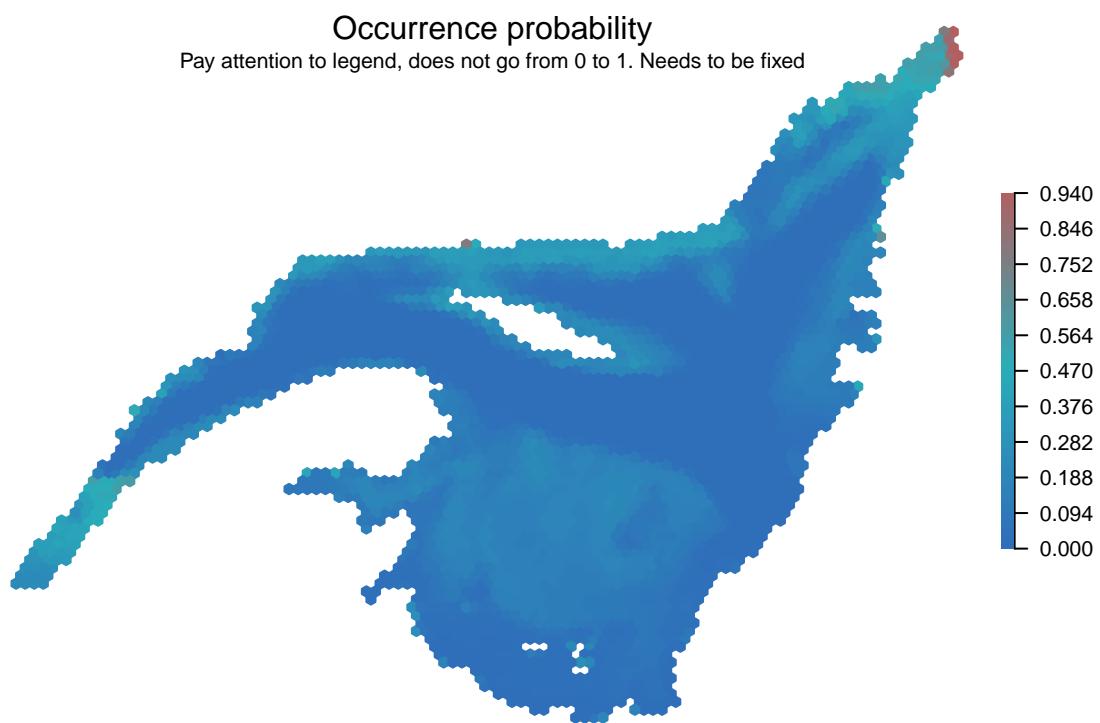
Taxa: Myoxocephalus sp.

Table 66: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.85	-2.17	-1.58	0
Prof	-1.12	-1.53	-0.74	74.56
SSAL_MEAN	0.02	-0.3	0.35	1.67
SalMoyMoy	-0.13	-0.46	0.08	2.37
TempMoyMoy	-0.19	-0.43	0.06	3.6
STEMMEAN	0.05	-0.2	0.3	1.13
BTEMMEAN	-0.25	-0.53	0.05	5
O2_Sat_Mea	0.07	-0.18	0.31	1.35
LaDeTow	0.34	0.15	0.52	7.56
LoDeTow	0	-0.31	0.32	1.56

Tjur's R² : 0.49

AUC: 0.93 ± 0.02



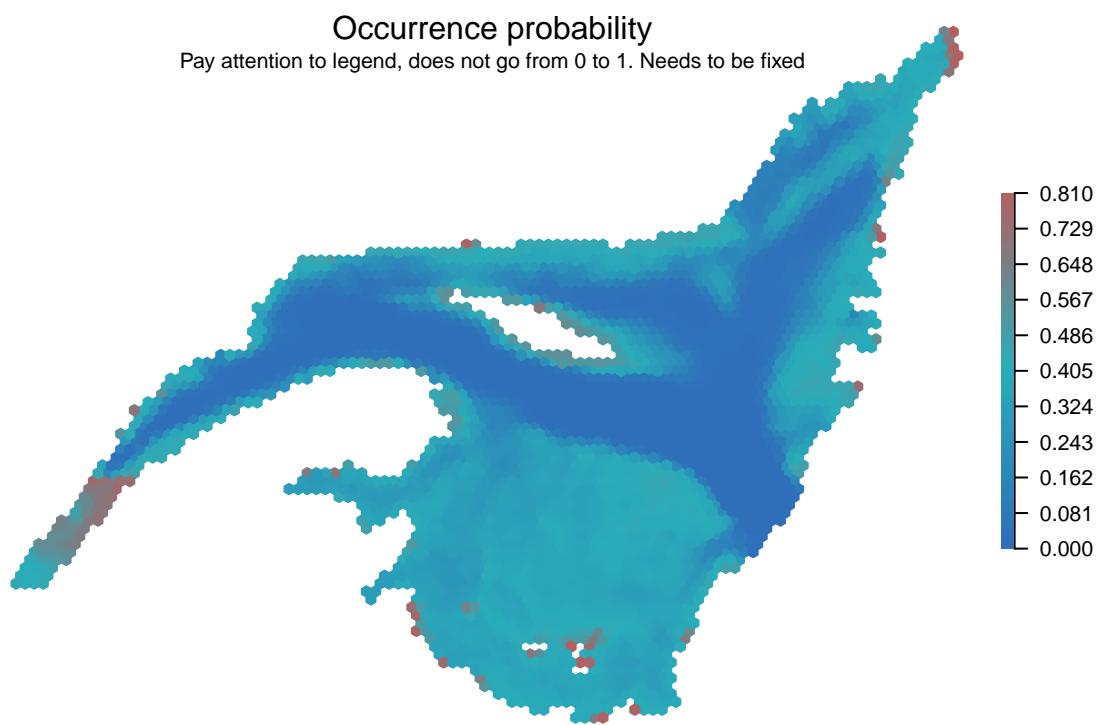
Taxa: *Aspidophoroides monopterygius*

Table 67: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.99	-1.14	-0.85	0
Prof	-0.95	-1.24	-0.72	82.38
SSAL_MEAN	0.12	-0.16	0.4	2.75
SalMoyMoy	-0.11	-0.37	0.06	2.25
TempMoyMoy	-0.16	-0.38	0.06	3.81
STEMMEAN	-0.08	-0.29	0.13	1.53
BTEMMEAN	0.09	-0.14	0.31	1.87
O2_Sat_Mea	-0.13	-0.33	0.07	2.32
LaDeTow	-0.05	-0.2	0.08	0.69
LoDeTow	0.01	-0.24	0.26	1.48

Tjur's R² : 0.36

AUC: 0.87 ± 0.02



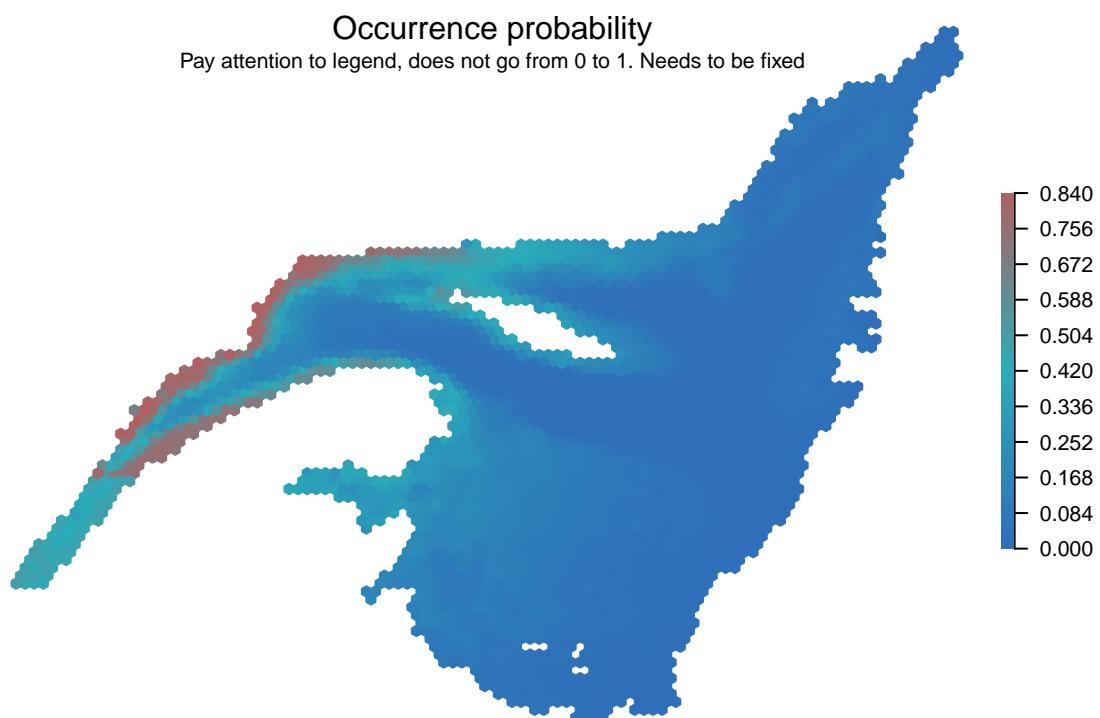
Taxa: Leptagonus decagonus

Table 68: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.54	-1.75	-1.36	0
Prof	-0.54	-0.82	-0.24	21.13
SSAL_MEAN	0.06	-0.24	0.37	1.6
SalMoyMoy	0.21	-0.04	0.57	4.33
TempMoyMoy	-0.24	-0.51	0.01	5.23
STEMMEAN	-0.05	-0.27	0.17	0.96
BTEMMEAN	0.19	-0.06	0.42	3.18
O2_Sat_Mea	0.01	-0.21	0.24	0.9
LaDeTow	0.42	0.24	0.61	13.03
LoDeTow	-0.84	-1.11	-0.58	48.65

Tjur's R² : 0.3

AUC: 0.87 ± 0.03



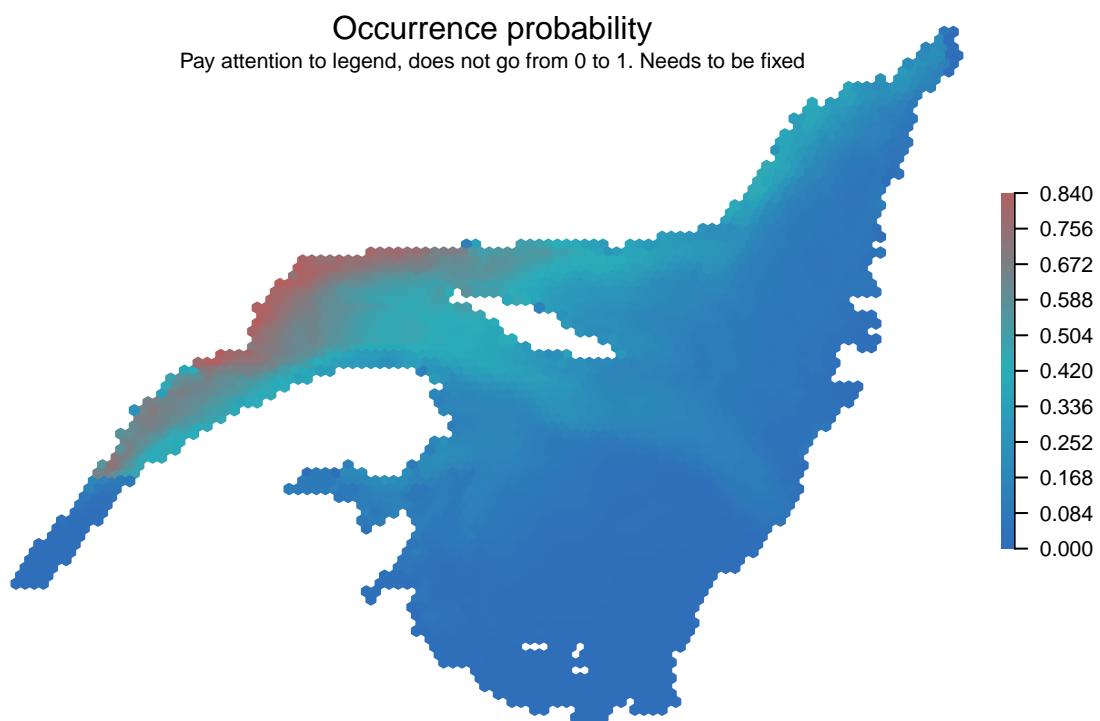
Taxa: Cyclopterus lumpus

Table 69: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.19	-1.34	-1.07	0
Prof	0.24	0	0.46	4.22
SSAL_MEAN	0.46	0.19	0.74	13.25
SalMoyMoy	0.31	0.01	0.72	7.62
TempMoyMoy	-0.14	-0.44	0.13	2.3
STEMMEAN	-0.23	-0.42	-0.03	3.58
BTEMMEAN	0.21	-0.02	0.42	2.99
O2_Sat_Mea	0.15	-0.05	0.35	2.06
LaDeTow	0.49	0.33	0.65	15.8
LoDeTow	-0.85	-1.11	-0.6	45.63

Tjur's R² : 0.14

AUC: 0.76 ± 0.04



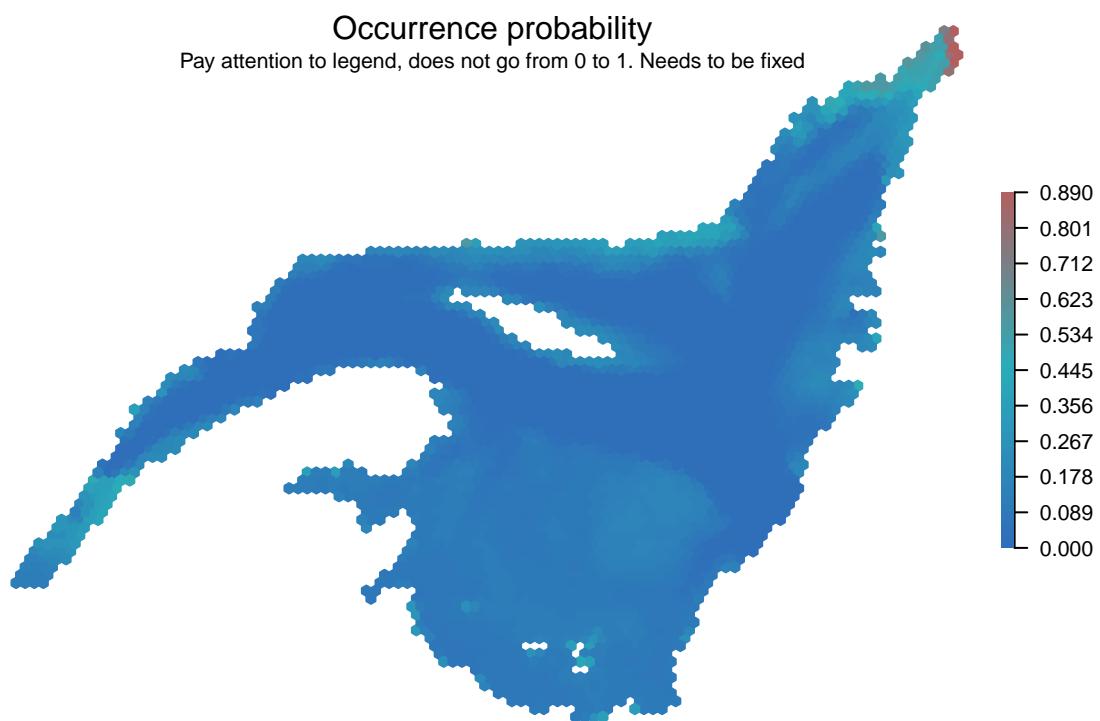
Taxa: *Eumicrotremus spinosus*

Table 70: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.07	-2.38	-1.78	0
Prof	-1.23	-1.65	-0.81	84.6
SSAL_MEAN	0.02	-0.31	0.33	1.59
SalMoyMoy	-0.09	-0.38	0.08	1.31
TempMoyMoy	-0.12	-0.38	0.16	2.22
STEMMEAN	-0.2	-0.45	0.05	3.32
BTEMMEAN	-0.03	-0.31	0.27	1.25
O2_Sat_Mea	0.03	-0.21	0.28	1.02
LaDeTow	-0.02	-0.2	0.16	0.51
LoDeTow	0.18	-0.14	0.53	3.44

Tjur's R² : 0.44

AUC: 0.94 ± 0.03



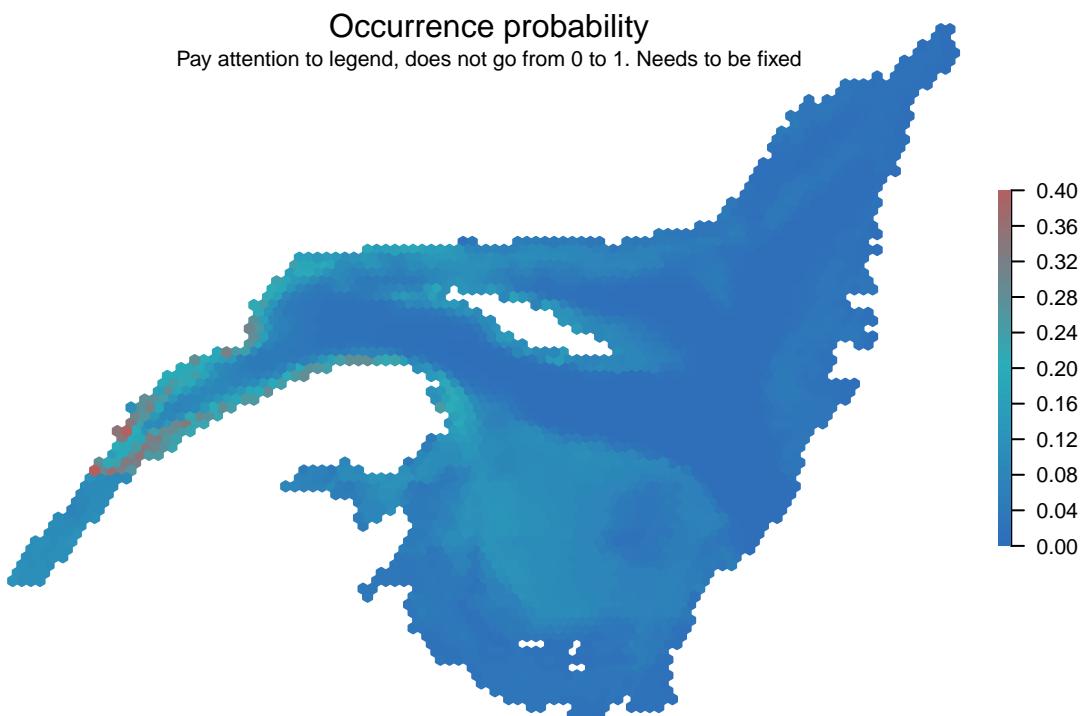
Taxa: *Careproctus reinhardti*

Table 71: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.84	-2.05	-1.65	0
Prof	-0.38	-0.67	-0.09	25.85
SSAL_MEAN	0.01	-0.31	0.32	4.02
SalMoyMoy	0.23	-0.05	0.59	10.59
TempMoyMoy	-0.3	-0.6	-0.01	16.09
STEMMEAN	-0.1	-0.36	0.16	3.94
BTEMMEAN	0.1	-0.15	0.37	3.69
O2_Sat_Mea	-0.12	-0.36	0.1	4.16
LaDeTow	-0.07	-0.25	0.14	2.33
LoDeTow	-0.39	-0.68	-0.11	26.11

Tjur's R² : 0.11

AUC: 0.82 ± 0.06



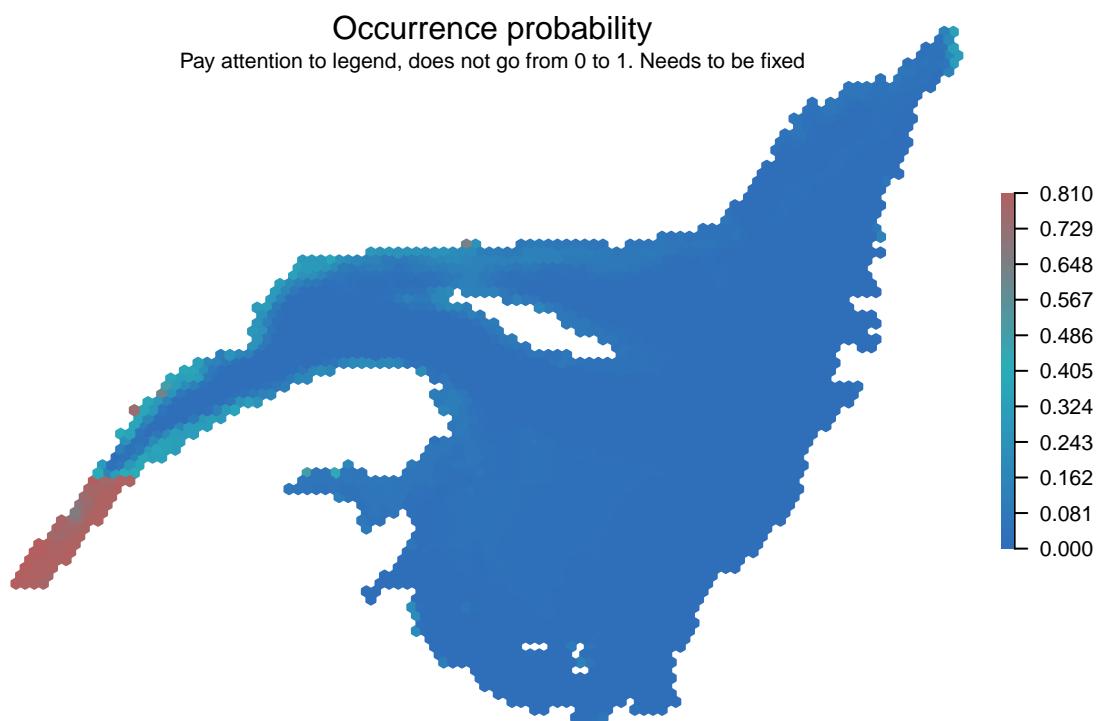
Taxa: *Liparis gibbus*

Table 72: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.54	-2.96	-2.17	0
Prof	-0.73	-1.11	-0.35	43.17
SSAL_MEAN	-0.05	-0.36	0.3	2.54
SalMoyMoy	-0.14	-0.41	0.04	2.73
TempMoyMoy	-0.34	-0.65	-0.04	11.5
STEMMEAN	-0.1	-0.36	0.17	2.06
BTEMMEAN	0	-0.32	0.32	2.05
O2_Sat_Mea	-0.03	-0.31	0.24	1.5
LaDeTow	0.35	0.09	0.62	11
LoDeTow	-0.52	-0.85	-0.2	22.59

Tjur's R² : 0.29

AUC: 0.91 ± 0.04



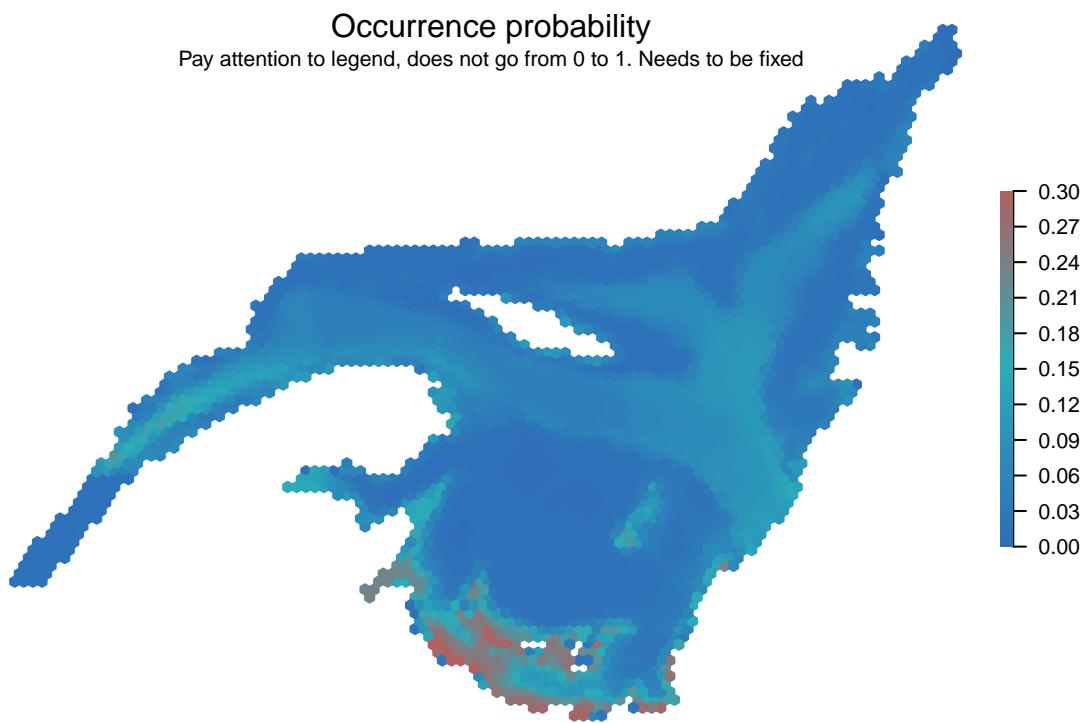
Taxa: *Lycenchelys verrillii*

Table 73: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.78	-1.99	-1.59	0
Prof	-0.02	-0.26	0.23	3.01
SSAL_MEAN	-0.03	-0.36	0.3	5.67
SalMoyMoy	0.12	-0.12	0.47	7.07
TempMoyMoy	0.25	-0.08	0.6	16.5
STEMMEAN	-0.27	-0.58	0.04	15.53
BTEMMEAN	0.32	0.08	0.57	20.51
O2_Sat_Mea	-0.2	-0.46	0.07	10.37
LaDeTow	-0.22	-0.42	-0.04	10.73
LoDeTow	0.03	-0.3	0.37	5.32

Tjur's R² : 0.05

AUC: 0.74 ± 0.08



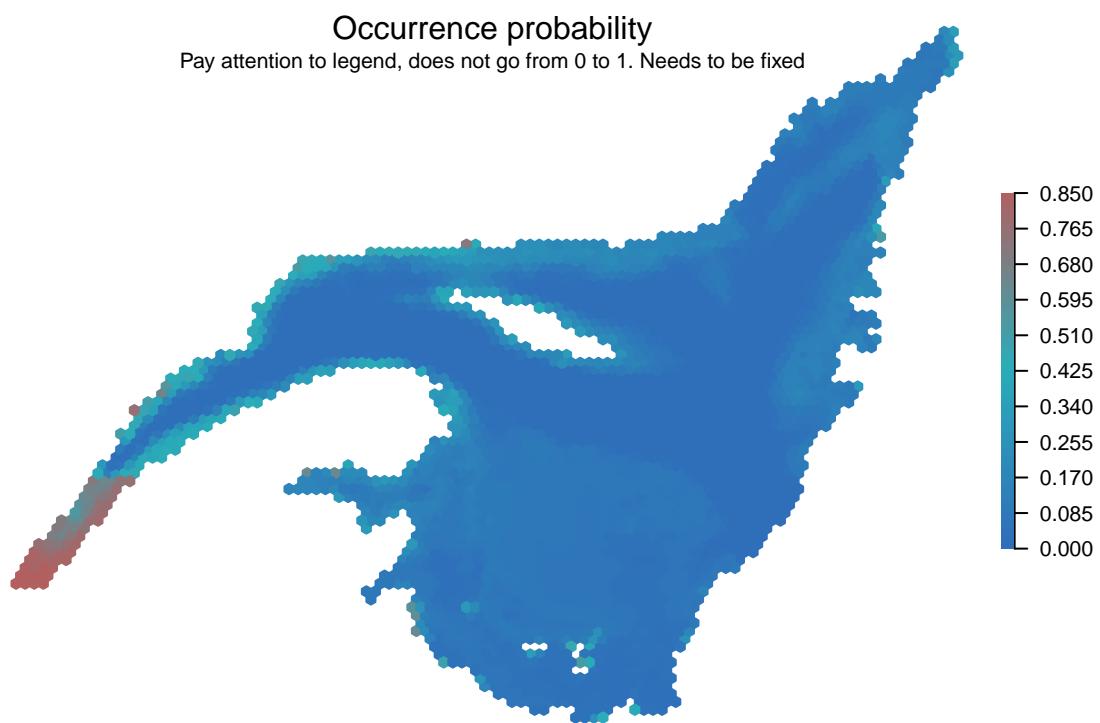
Taxa: *Lycodes lavalaei*

Table 74: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.89	-2.18	-1.63	0
Prof	-0.8	-1.16	-0.44	53.01
SSAL_MEAN	0.01	-0.28	0.33	1.99
SalMoyMoy	-0.07	-0.24	0.05	0.95
TempMoyMoy	-0.39	-0.63	-0.16	14.59
STEMMEAN	-0.12	-0.35	0.11	2.15
BTEMMEAN	0.32	0.04	0.59	9.27
O2_Sat_Mea	-0.05	-0.28	0.19	1.29
LaDeTow	0.21	0.04	0.39	4.42
LoDeTow	-0.32	-0.62	-0.03	9.41

Tjur's R² : 0.34

AUC: 0.89 ± 0.03



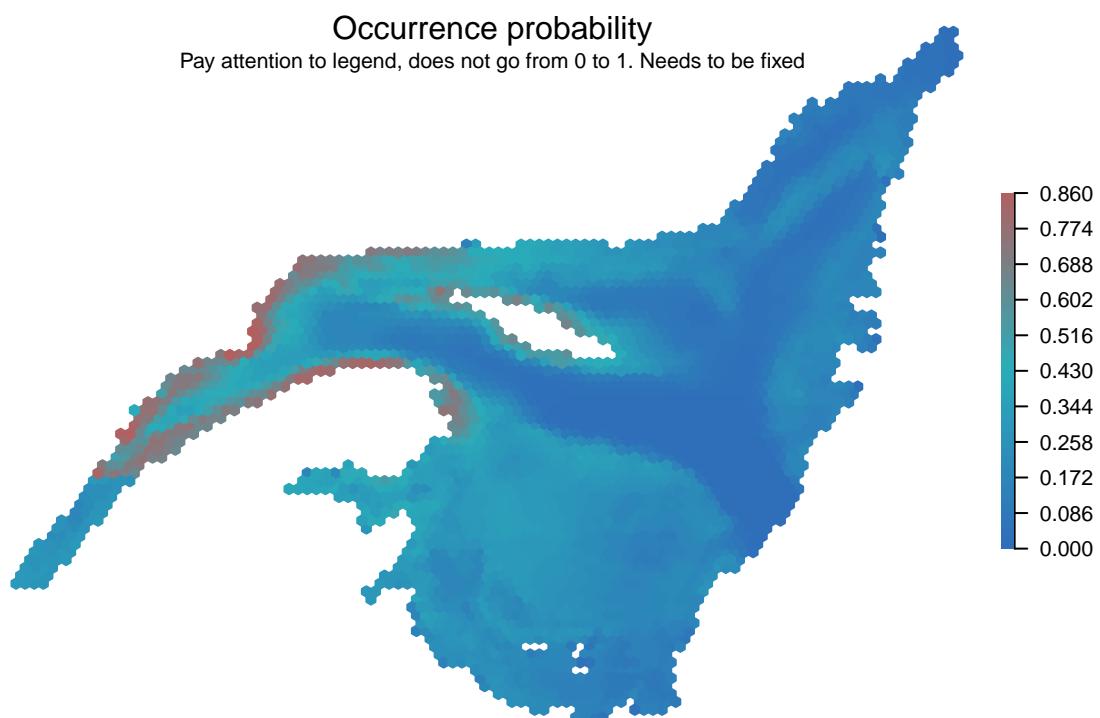
Taxa: *Lycodes vahlii*

Table 75: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.93	-1.06	-0.8	0
Prof	-0.61	-0.83	-0.38	33.36
SSAL_MEAN	0.1	-0.15	0.35	2.07
SalMoyMoy	0.28	-0.02	0.67	8.6
TempMoyMoy	-0.23	-0.47	0.01	5.5
STEMMEAN	-0.01	-0.21	0.18	0.92
BTEMMEAN	0.23	0.03	0.42	5.27
O2_Sat_Mea	-0.25	-0.45	-0.06	6.11
LaDeTow	0.18	0.04	0.32	3.55
LoDeTow	-0.6	-0.83	-0.35	31.82

Tjur's R² : 0.2

AUC: 0.78 ± 0.04



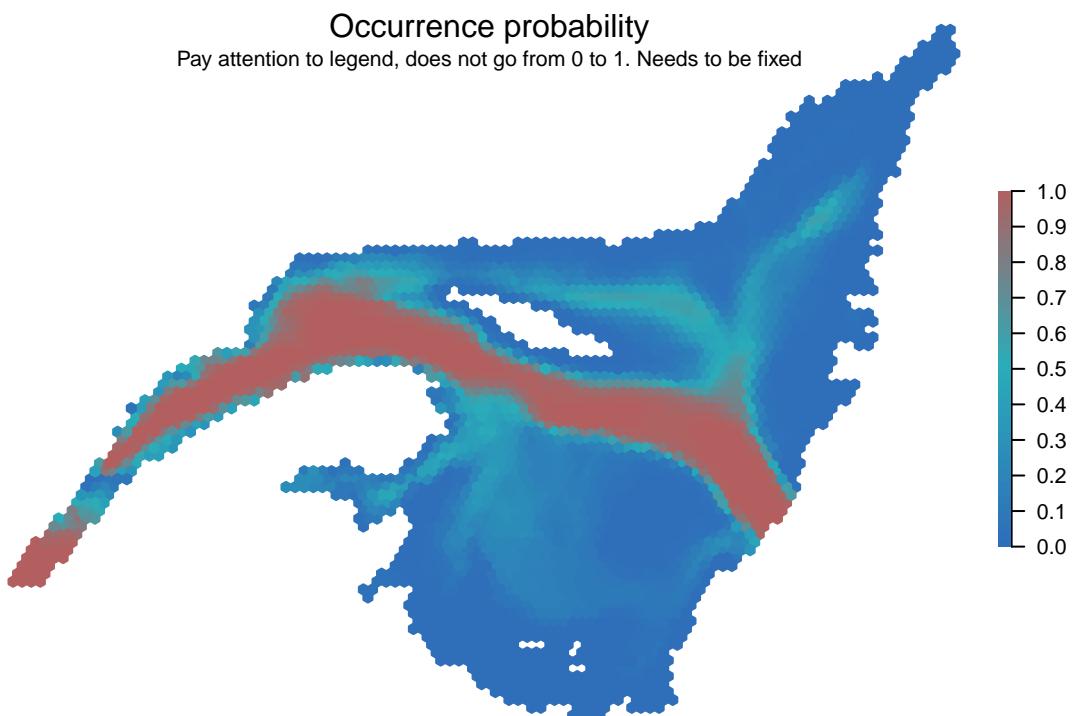
Taxa: *Melanostigma atlanticum*

Table 76: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.92	-1.14	-0.73	0
Prof	1.61	1.35	1.87	59.04
SSAL_MEAN	-0.95	-1.26	-0.64	20.96
SalMoyMoy	0.31	-0.09	0.75	3.18
TempMoyMoy	-0.37	-0.73	0	3.79
STEMMEAN	0.34	-0.06	0.71	3.35
BTEMMEAN	-0.13	-0.35	0.1	0.69
O2_Sat_Mea	-0.01	-0.26	0.23	0.36
LaDeTow	0.18	0	0.35	0.86
LoDeTow	-0.54	-0.84	-0.23	7.33

Tjur's R² : 0.65

AUC: 0.96 ± 0.02



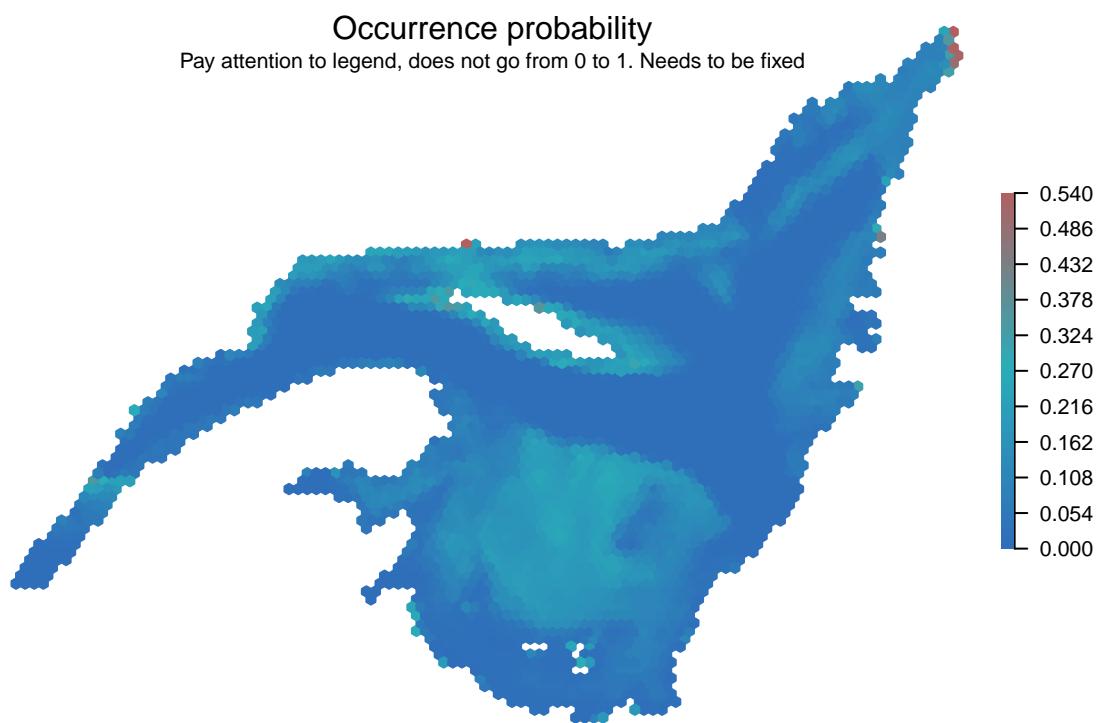
Taxa: *Eumesogrammus praecisus*

Table 77: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.06	-2.38	-1.77	0
Prof	-1.16	-1.57	-0.75	66.72
SSAL_MEAN	0.49	0.13	0.84	13.16
SalMoyMoy	-0.12	-0.34	0.03	1.25
TempMoyMoy	-0.26	-0.5	-0.01	4.51
STEMMEAN	0.2	-0.04	0.44	2.82
BTEMMEAN	-0.27	-0.57	0.02	4.83
O2_Sat_Mea	-0.08	-0.32	0.17	1.03
LaDeTow	0.13	-0.04	0.32	1.36
LoDeTow	-0.21	-0.53	0.11	3.5

Tjur's R² : 0.37

AUC: 0.9 ± 0.04



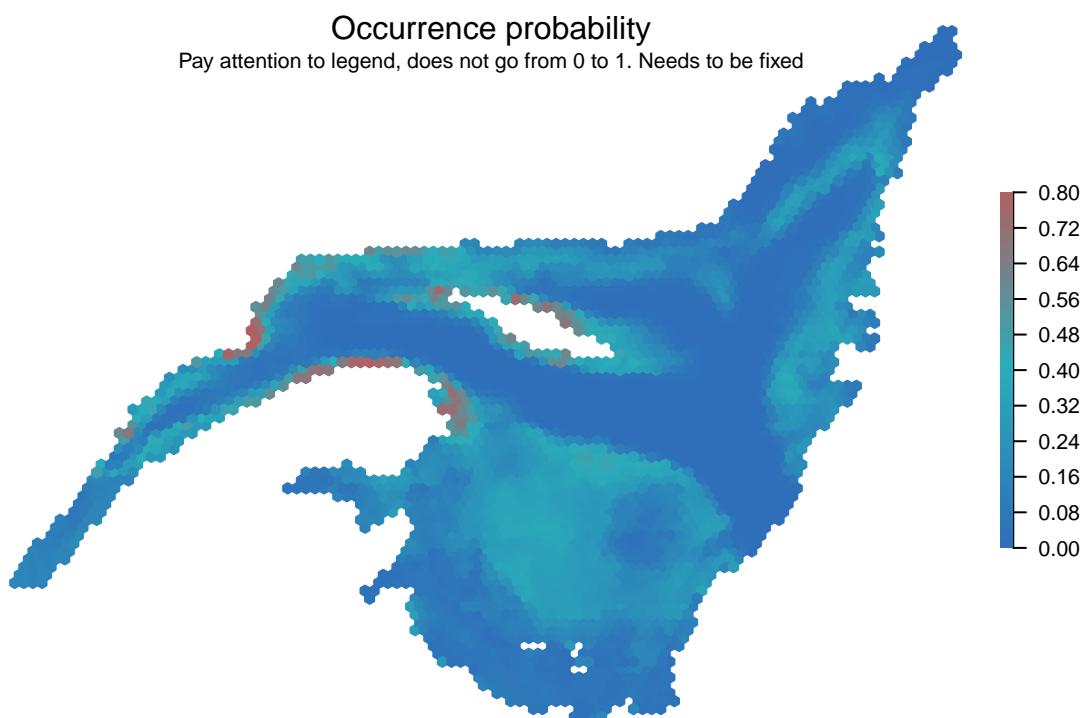
Taxa: *Lumpenus lampraeformis*

Table 78: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.36	-1.54	-1.18	0
Prof	-0.92	-1.21	-0.63	46.66
SSAL_MEAN	0.21	-0.08	0.48	3.21
SalMoyMoy	0.22	-0.05	0.56	3.68
TempMoyMoy	-0.54	-0.78	-0.32	16.99
STEMMEAN	0.15	-0.08	0.41	2.28
BTEMMEAN	0.26	0.02	0.49	4.36
O2_Sat_Mea	-0.41	-0.62	-0.21	9.29
LaDeTow	0.16	0.01	0.31	1.75
LoDeTow	-0.43	-0.71	-0.17	10.78

Tjur's R² : 0.26

AUC: 0.86 ± 0.03



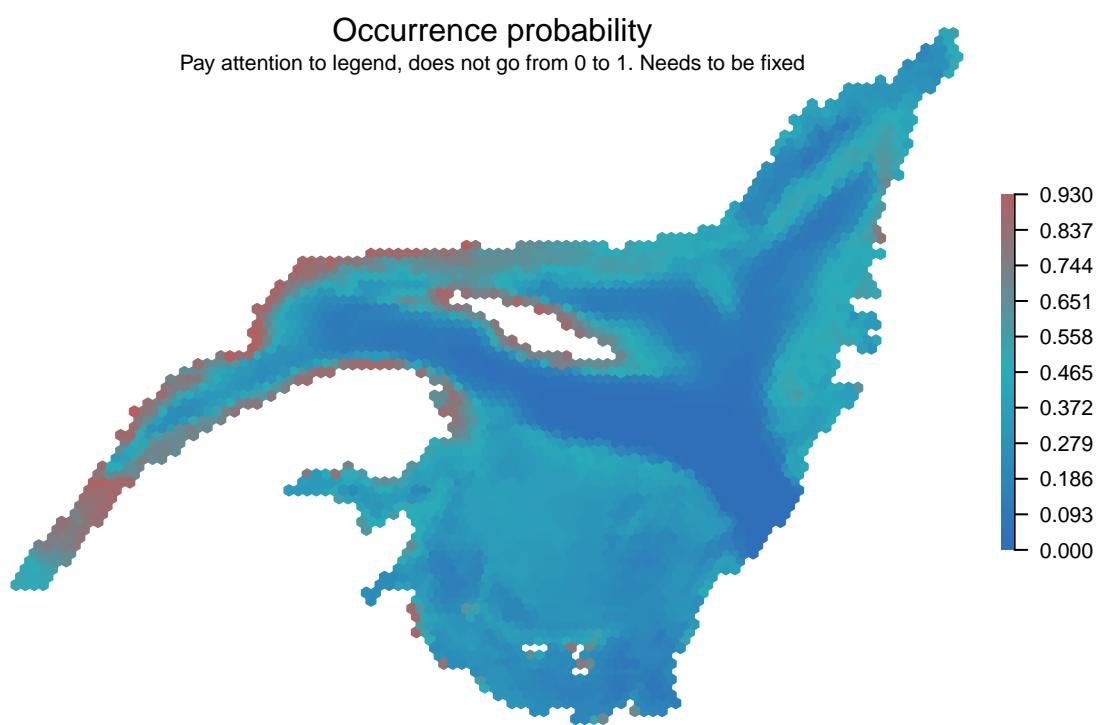
Taxa: *Leptoclinus maculatus*

Table 79: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.63	-0.76	-0.49	0
Prof	-0.6	-0.82	-0.38	31.84
SSAL_MEAN	0.27	0.02	0.52	6.37
SalMoyMoy	-0.05	-0.22	0.08	0.73
TempMoyMoy	-0.35	-0.56	-0.15	11.14
STEMMEAN	-0.08	-0.28	0.12	1.29
BTEMMEAN	0.38	0.16	0.6	12.24
O2_Sat_Mea	-0.24	-0.43	-0.05	5.3
LaDeTow	0.28	0.15	0.42	7.41
LoDeTow	-0.46	-0.71	-0.23	18.18

Tjur's R² : 0.32

AUC: 0.85 ± 0.02



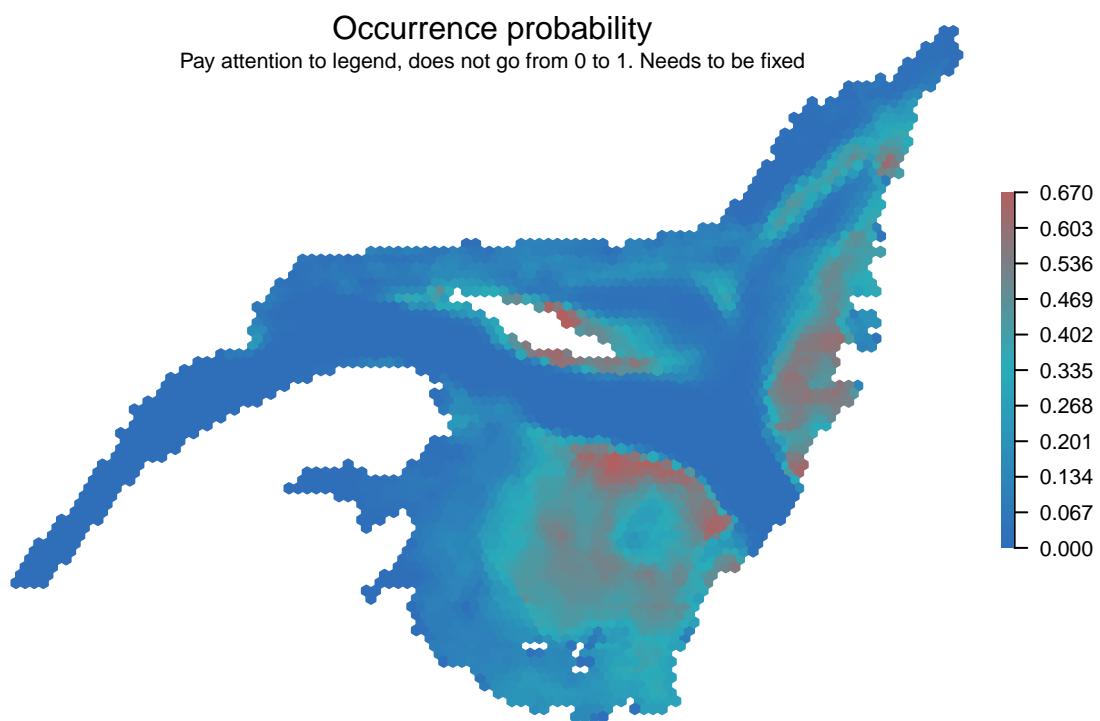
Taxa: *Anarhichas lupus*

Table 80: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.56	-1.82	-1.32	0
Prof	-1.42	-1.76	-1.09	52.25
SSAL_MEAN	1	0.55	1.49	26.31
SalMoyMoy	0.36	-0.01	0.79	4.2
TempMoyMoy	-0.18	-0.48	0.12	1.38
STEMMEAN	0.4	0.12	0.69	4.81
BTEMMEAN	-0.11	-0.35	0.16	0.74
O2_Sat_Mea	-0.49	-0.73	-0.26	6.57
LaDeTow	-0.24	-0.39	-0.09	1.62
LoDeTow	0.17	-0.14	0.5	1.44

Tjur's R² : 0.34

AUC: 0.89 ± 0.02



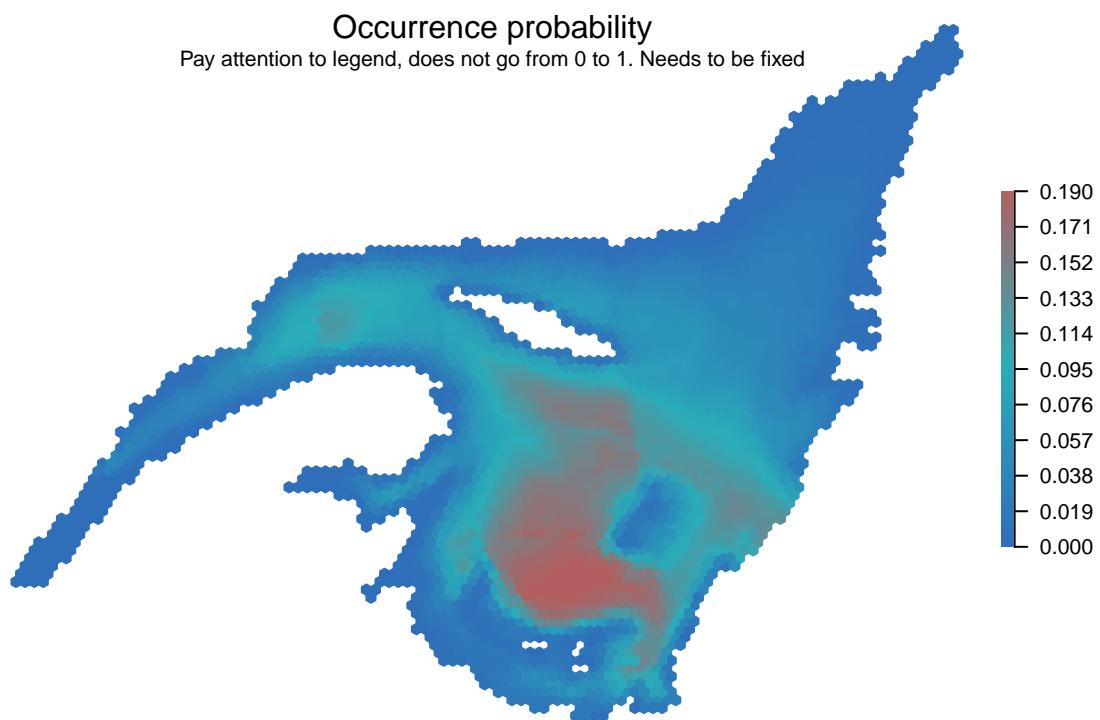
Taxa: *Scomber scombrus*

Table 81: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.82	-2.12	-1.53	0
Prof	0.04	-0.19	0.28	2.23
SSAL_MEAN	0.31	-0.04	0.65	14.21
SalMoyMoy	0.35	-0.03	0.78	16.56
TempMoyMoy	-0.12	-0.48	0.19	4.21
STEMMEAN	0.23	-0.1	0.57	9.11
BTEMMEAN	-0.29	-0.53	-0.07	12.72
O2_Sat_Mea	-0.1	-0.39	0.17	3.51
LaDeTow	-0.4	-0.6	-0.21	20.6
LoDeTow	-0.16	-0.49	0.18	5.74

Tjur's R^2 : 0.18

AUC: 0.85 ± 0.05



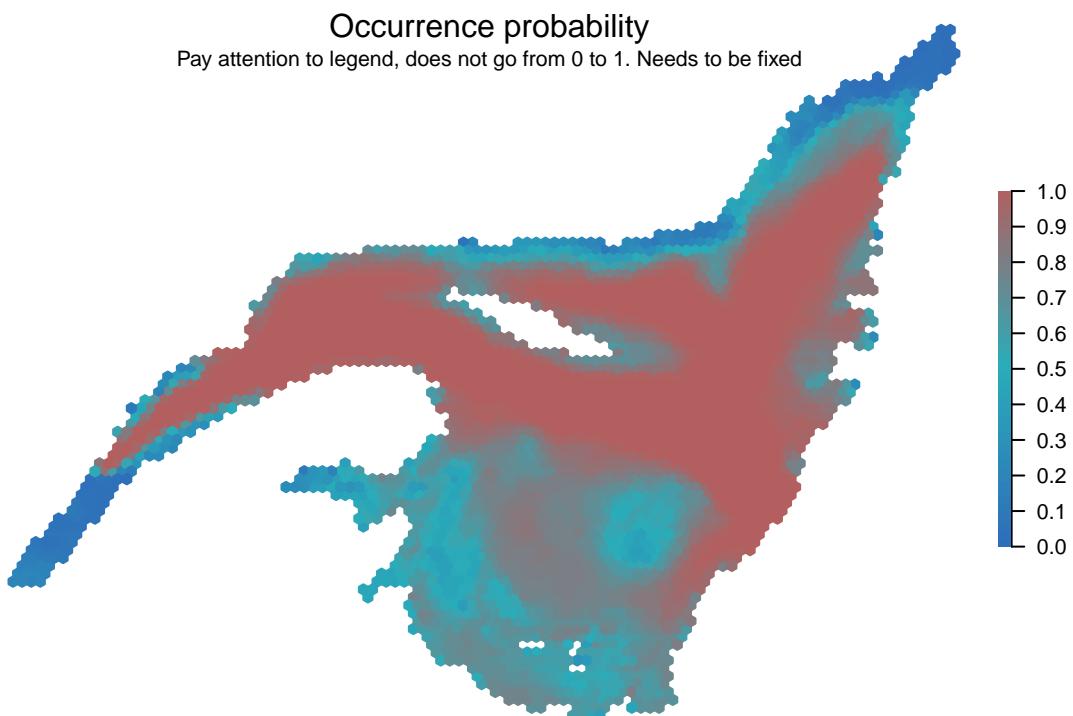
Taxa: *Glyptocephalus cynoglossus*

Table 82: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	1.32	1.13	1.5	0
Prof	0.96	0.65	1.28	51.48
SSAL_MEAN	0.21	-0.07	0.5	3.58
SalMoyMoy	0.26	-0.11	0.64	5.61
TempMoyMoy	-0.19	-0.49	0.07	2.73
STEMMEAN	0.35	0.05	0.63	8.17
BTEMMEAN	0.39	0.12	0.63	8.84
O2_Sat_Mea	-0.5	-0.73	-0.27	14.72
LaDeTow	0.05	-0.1	0.21	0.52
LoDeTow	-0.22	-0.52	0.08	3.7

Tjur's R² : 0.54

AUC: 0.91 ± 0.03



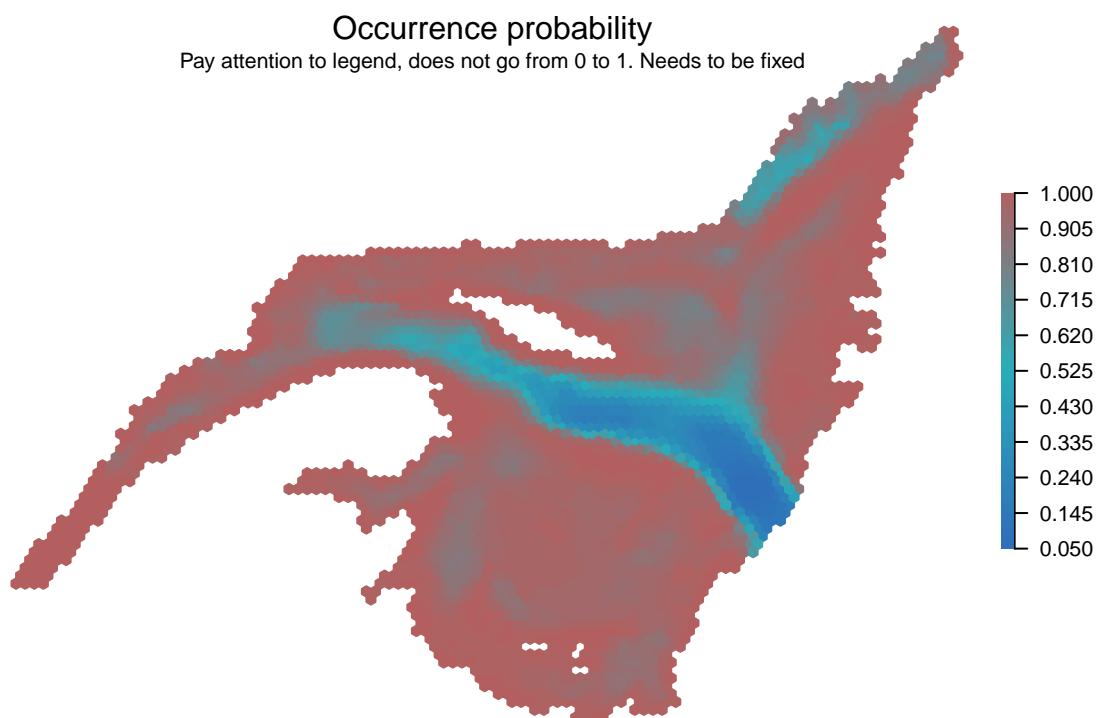
Taxa: Hippoglossoides platessoides

Table 83: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	1.43	1.26	1.63	0
Prof	-1.02	-1.23	-0.8	56.01
SSAL_MEAN	0.03	-0.32	0.38	1.67
SalMoyMoy	-0.11	-0.41	0.08	1.54
TempMoyMoy	-0.15	-0.46	0.16	2.41
STEMMEAN	0.08	-0.16	0.33	1.18
BTEMMEAN	0.36	0.14	0.58	7.6
O2_Sat_Mea	-0.64	-0.89	-0.41	22.31
LaDeTow	0.23	0.06	0.41	3.33
LoDeTow	-0.1	-0.44	0.21	1.91

Tjur's R² : 0.42

AUC: 0.91 ± 0.04



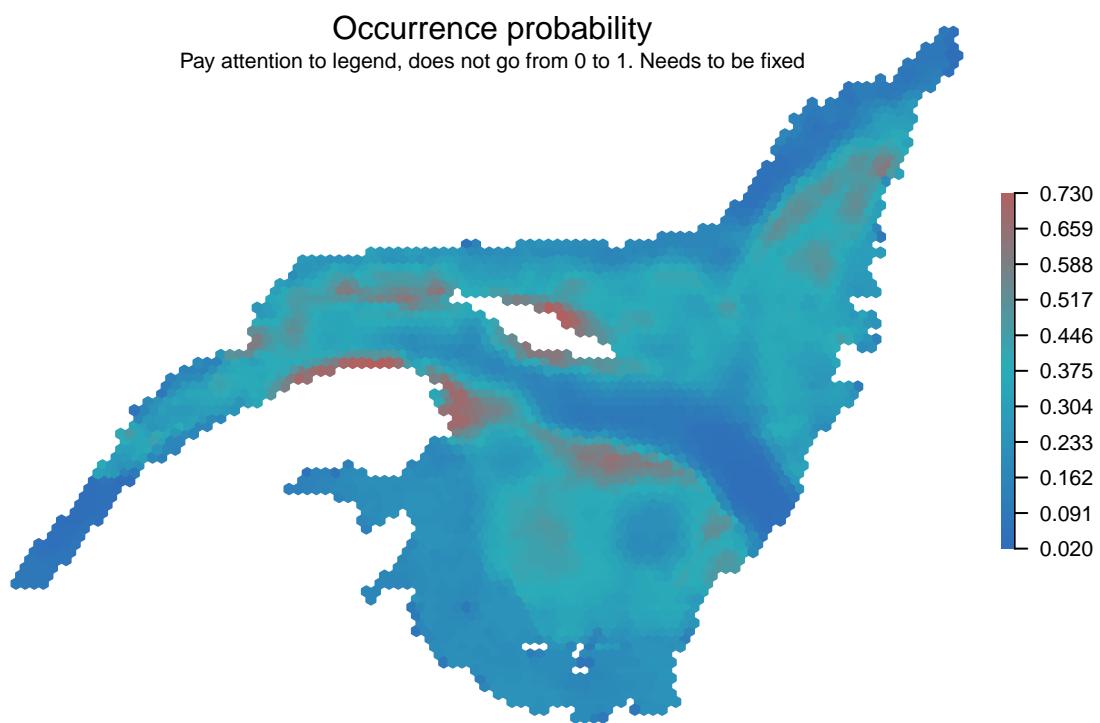
Taxa: *Hippoglossus hippoglossus*

Table 84: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.62	-0.74	-0.5	0
Prof	-0.58	-0.76	-0.39	36.39
SSAL_MEAN	0.06	-0.19	0.3	1.97
SalMoyMoy	0.17	-0.07	0.49	4.9
TempMoyMoy	-0.07	-0.33	0.15	1.93
STEMMEAN	0.2	0	0.41	5.67
BTEMMEAN	0	-0.18	0.2	0.92
O2_Sat_Mea	-0.53	-0.72	-0.34	30.57
LaDeTow	0.11	0	0.23	1.99
LoDeTow	-0.03	-0.26	0.18	1.53

Tjur's R² : 0.11

AUC: 0.7 ± 0.05



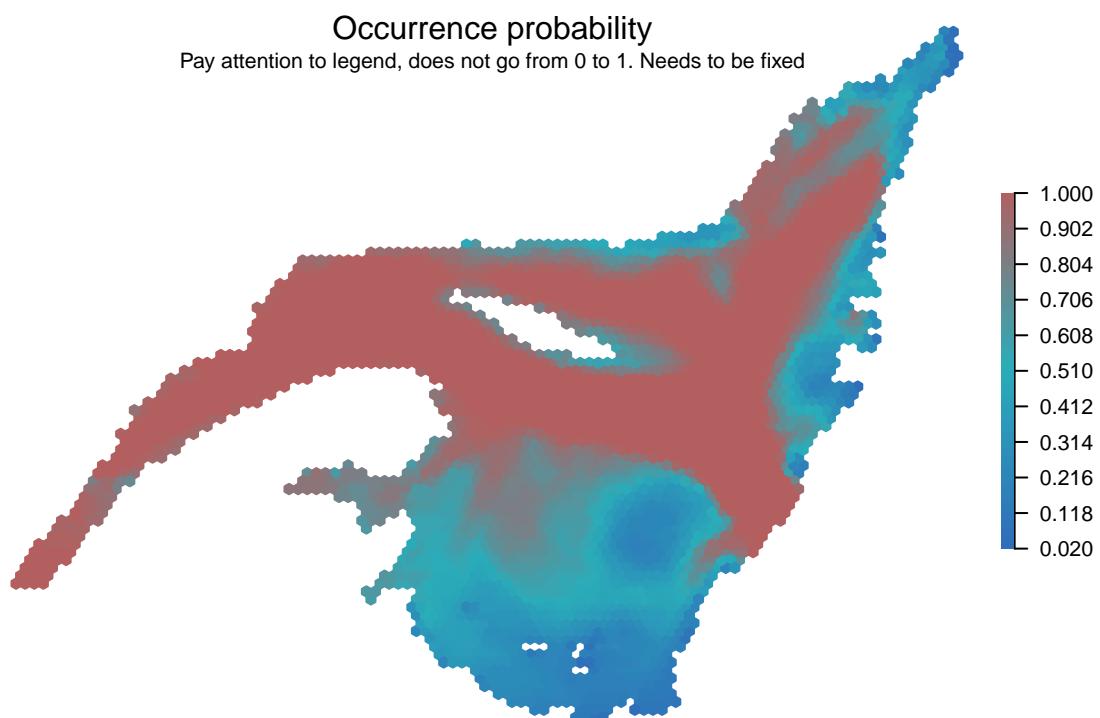
Taxa: Reinhardtius hippoglossoides

Table 85: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	1.71	1.47	1.98	0
Prof	1.63	1.24	2.02	68.66
SSAL_MEAN	-0.25	-0.6	0.1	2.52
SalMoyMoy	0.11	-0.1	0.4	0.74
TempMoyMoy	-0.01	-0.28	0.26	0.49
STEMMEAN	0.11	-0.19	0.41	0.93
BTEMMEAN	0.11	-0.19	0.4	0.87
O2_Sat_Mea	-0.29	-0.54	-0.04	2.69
LaDeTow	0.6	0.42	0.78	9.66
LoDeTow	-0.69	-1.04	-0.33	12.99

Tjur's R² : 0.67

AUC: 0.96 ± 0.02



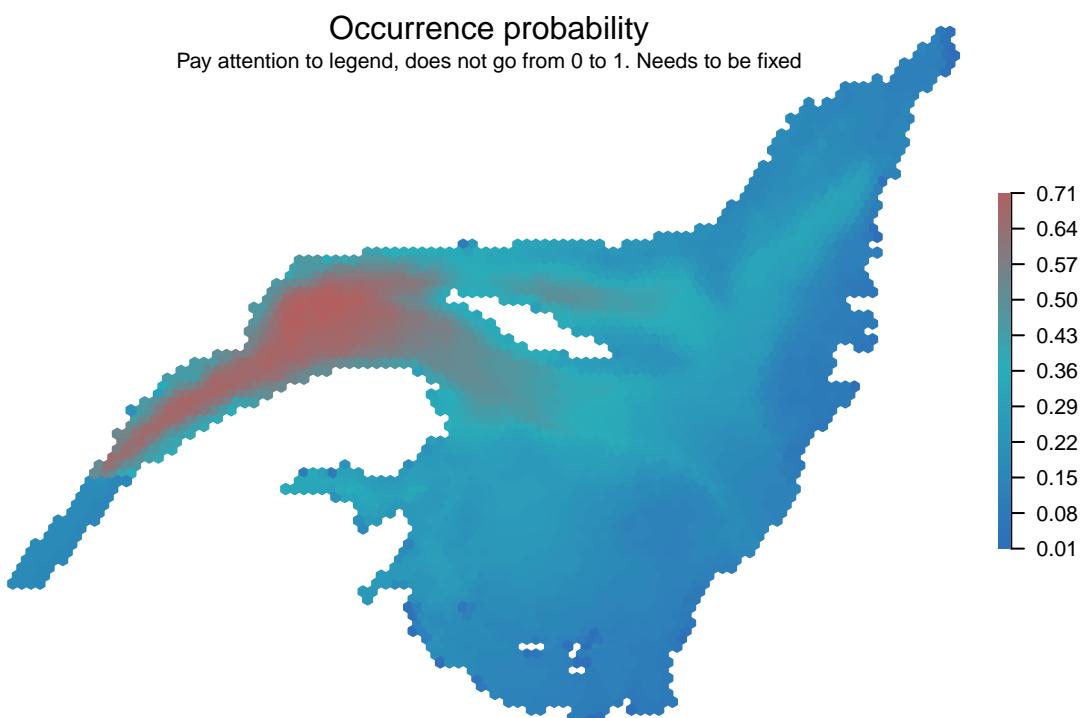
Taxa: *Ptychogena lactea*

Table 86: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.72	-1.13	-0.41	0
Prof	-0.06	-0.26	0.14	0.49
SSAL_MEAN	0	-0.27	0.27	0.61
SalMoyMoy	0.14	-0.07	0.45	1.25
TempMoyMoy	0.09	-0.16	0.33	0.94
STEMMEAN	0.09	-0.14	0.32	0.71
BTEMMEAN	-0.11	-0.29	0.09	0.82
O2_Sat_Mea	-0.15	-0.37	0.06	1.3
LaDeTow	0.26	0.1	0.42	2.69
LoDeTow	-0.36	-0.61	-0.12	5.18

Tjur's R² : 0.22

AUC: 0.81 ± 0.02



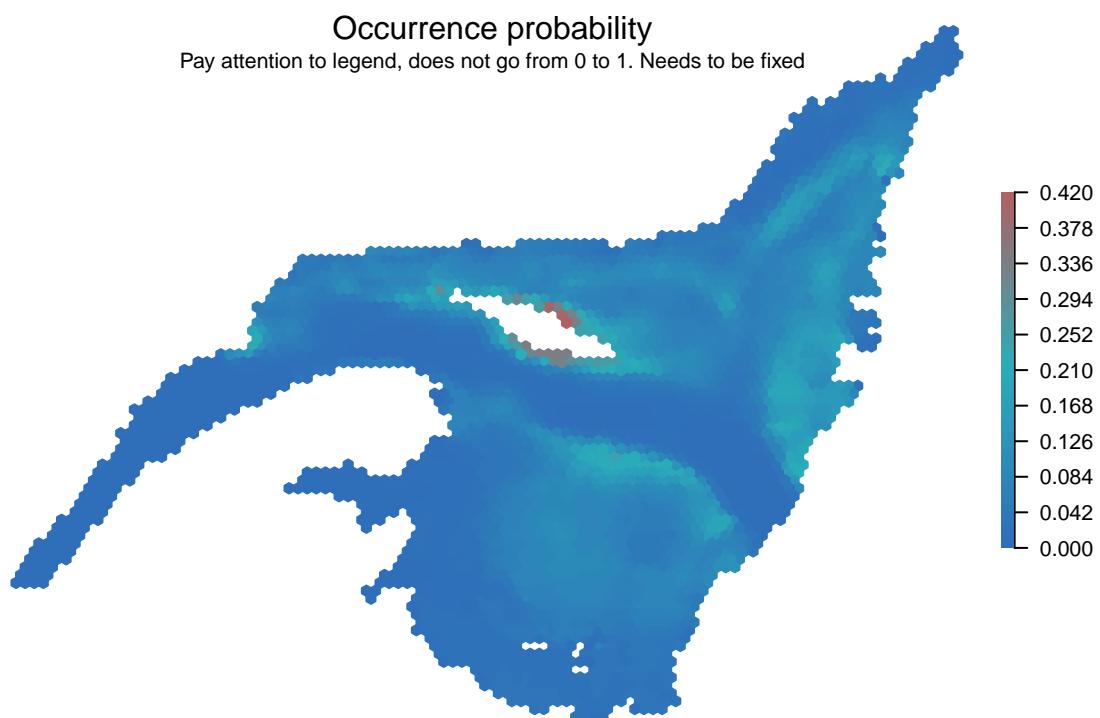
Taxa: *Terebratulina septentrionalis*

Table 87: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.87	-2.17	-1.63	0
Prof	-0.65	-0.96	-0.34	22.69
SSAL_MEAN	1	0.5	1.56	49.46
SalMoyMoy	0.26	-0.09	0.68	5.19
TempMoyMoy	-0.15	-0.43	0.13	2.18
STEMMEAN	0.1	-0.21	0.42	1.91
BTEMMEAN	0.1	-0.17	0.38	1.5
O2_Sat_Mea	-0.43	-0.7	-0.17	10.37
LaDeTow	-0.11	-0.29	0.08	1.06
LoDeTow	-0.15	-0.5	0.2	2.32

Tjur's R² : 0.07

AUC: 0.79 ± 0.05



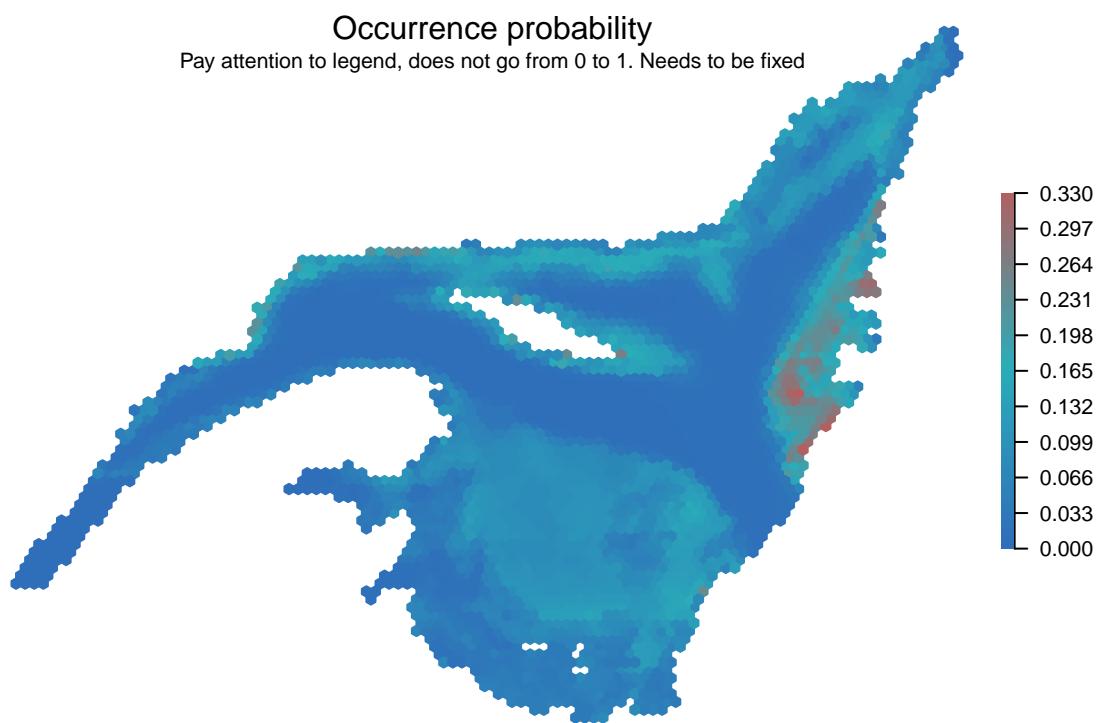
Taxa: Drifa glomerata

Table 88: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.92	-2.66	-1.28	0
Prof	-0.21	-0.49	0.05	0.56
SSAL_MEAN	0.43	0.05	0.82	1.56
SalMoyMoy	0.25	-0.03	0.62	0.65
TempMoyMoy	-0.45	-0.75	-0.17	1.8
STEMMEAN	-0.16	-0.44	0.1	0.3
BTEMMEAN	0.33	0.01	0.64	0.95
O2_Sat_Mea	0.1	-0.15	0.36	0.3
LaDeTow	-0.18	-0.37	0.02	0.35
LoDeTow	-0.12	-0.44	0.25	0.32

Tjur's R² : 0.24

AUC: 0.89 ± 0.04



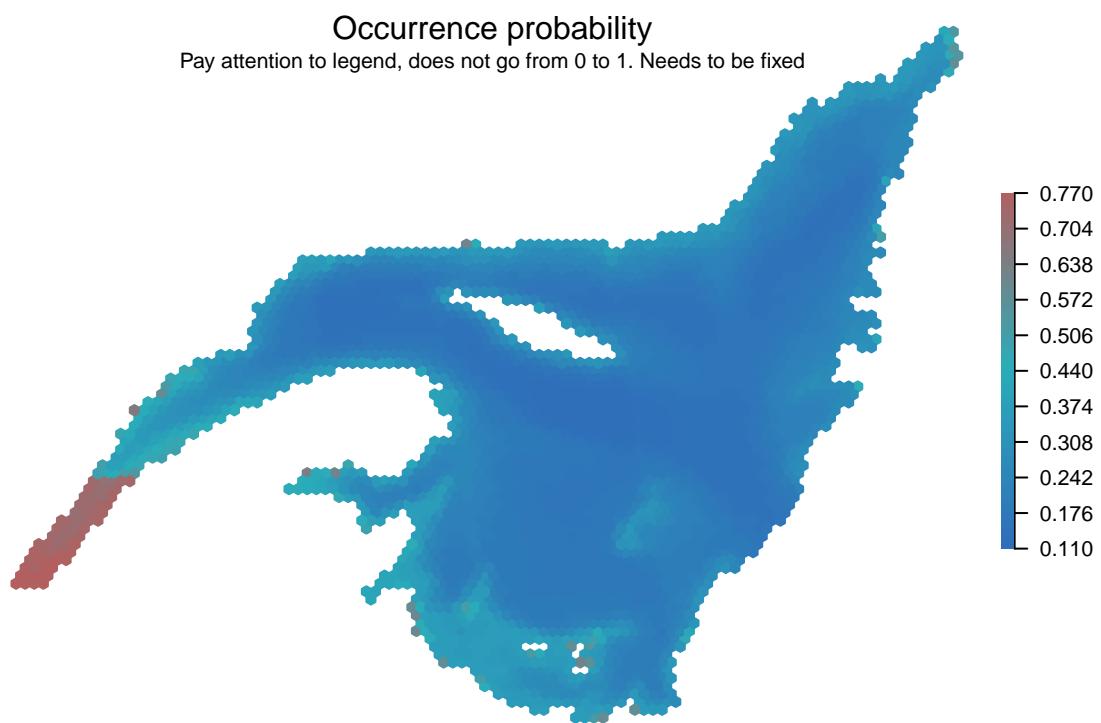
Taxa: Ammodytes sp.

Table 89: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.79	-0.99	-0.6	0
Prof	-0.03	-0.21	0.16	1.77
SSAL_MEAN	-0.04	-0.3	0.2	3.27
SalMoyMoy	-0.11	-0.34	0.03	3.12
TempMoyMoy	-0.02	-0.22	0.18	1.93
STEMMEAN	-0.21	-0.4	-0.03	7.6
BTEMMEAN	0.2	0.01	0.41	6.97
O2_Sat_Mea	0.02	-0.17	0.21	1.66
LaDeTow	-0.05	-0.18	0.08	1.11
LoDeTow	-0.07	-0.3	0.17	2.59

Tjur's R² : 0.12

AUC: 0.71 ± 0.04



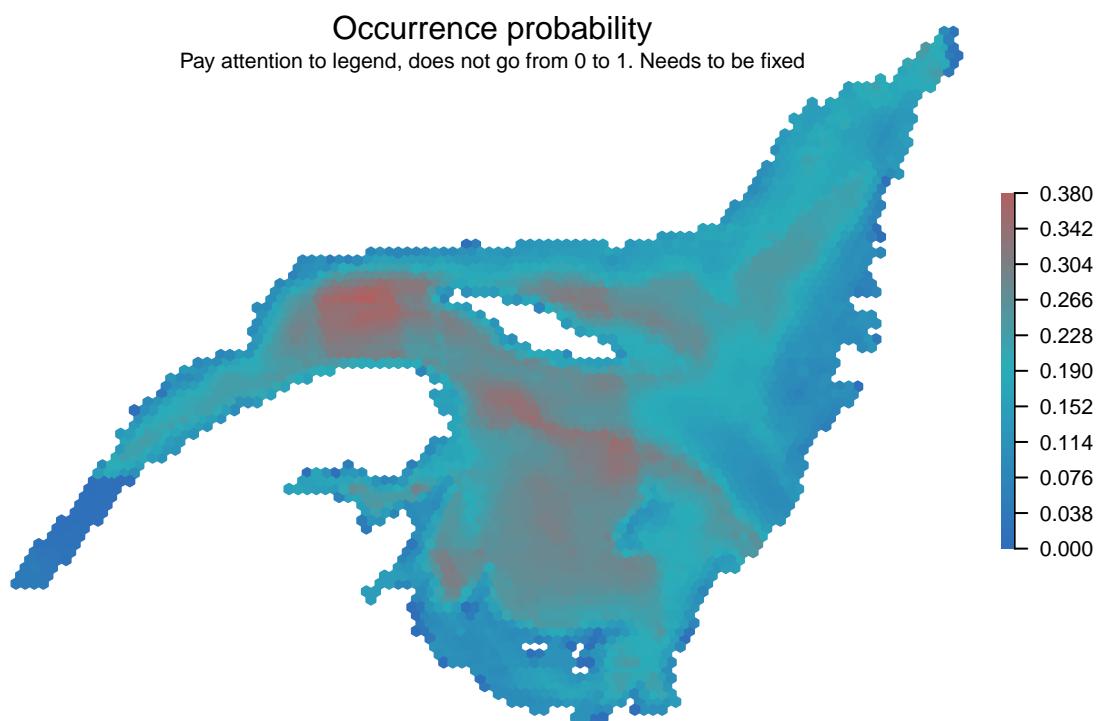
Taxa: *Hippasteria phrygiana*

Table 90: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.9	-1.02	-0.79	0
Prof	-0.18	-0.39	0.02	10.45
SSAL_MEAN	-0.14	-0.39	0.11	7.78
SalMoyMoy	0.21	-0.04	0.59	16.29
TempMoyMoy	0.13	-0.14	0.36	9.41
STEMMEAN	0.14	-0.05	0.33	6.31
BTEMMEAN	-0.34	-0.53	-0.16	30.85
O2_Sat_Mea	-0.11	-0.3	0.08	6.06
LaDeTow	0.01	-0.12	0.13	1.27
LoDeTow	0.08	-0.14	0.3	4.52

Tjur's R² : 0.06

AUC: 0.68 ± 0.04



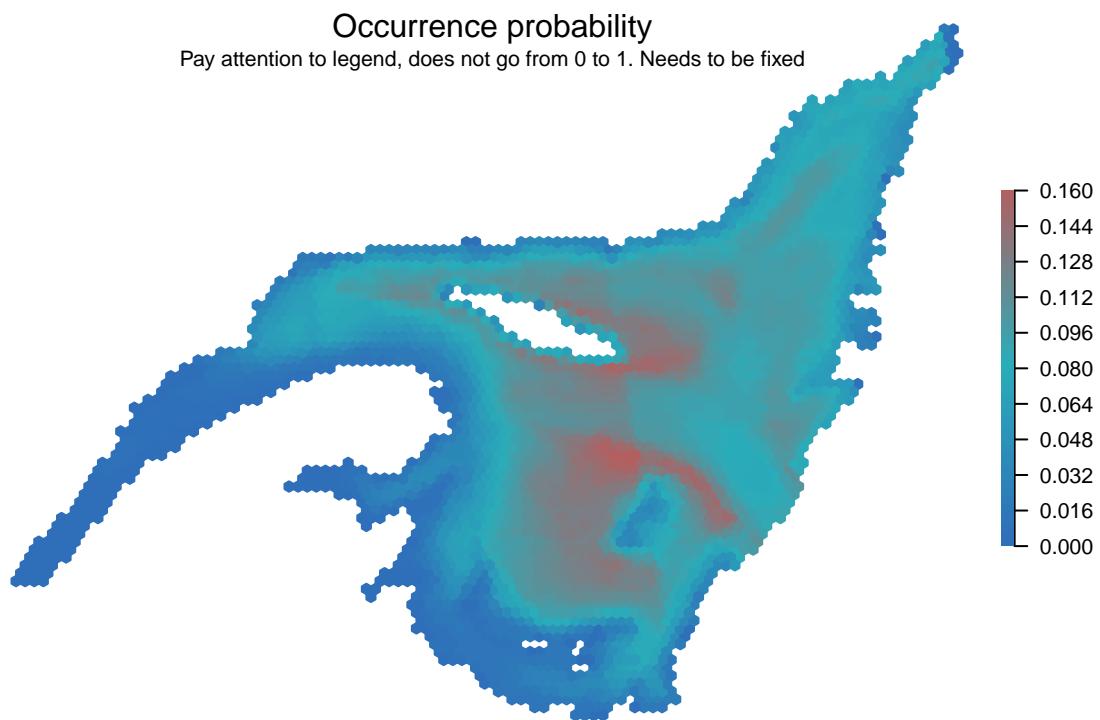
Taxa: Duva florida

Table 91: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.65	-1.85	-1.46	0
Prof	-0.11	-0.35	0.11	3.72
SSAL_MEAN	0.54	0.15	0.95	44.25
SalMoyMoy	0.28	-0.04	0.67	14.46
TempMoyMoy	-0.05	-0.34	0.23	3.43
STEMMEAN	0.1	-0.15	0.35	4.33
BTEMMEAN	-0.22	-0.46	0.02	10.44
O2_Sat_Mea	-0.06	-0.33	0.18	2.98
LaDeTow	-0.14	-0.3	0.04	4.23
LoDeTow	0.04	-0.28	0.37	4.08

Tjur's R^2 : 0.04

AUC: 0.66 ± 0.06



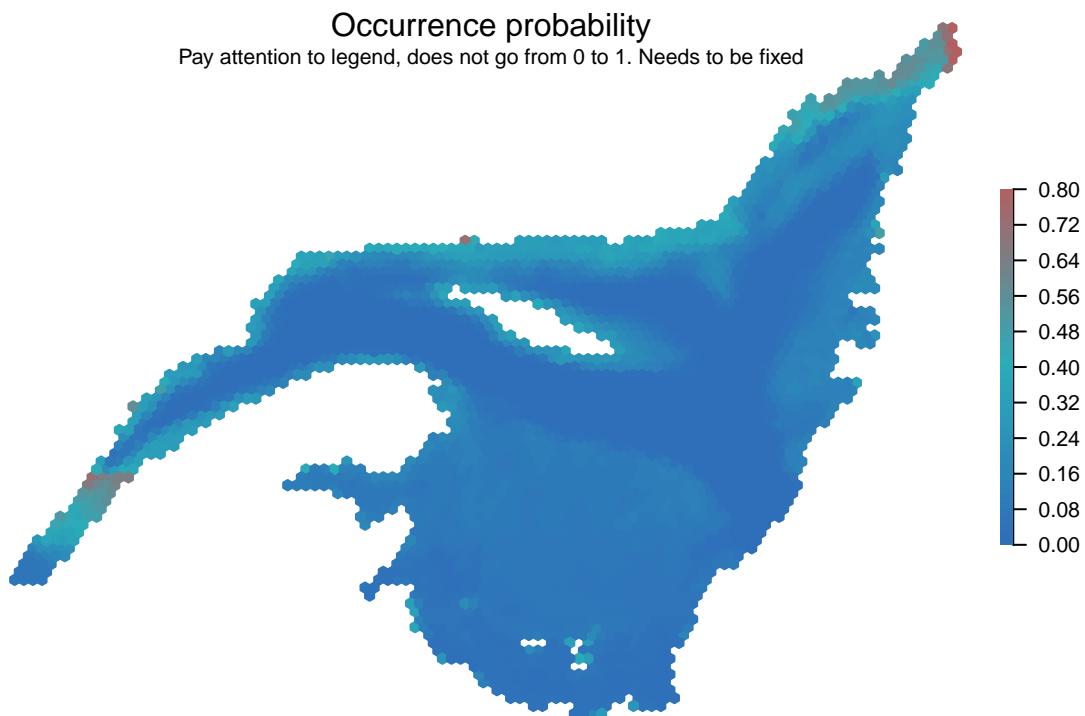
Taxa: *Gersemia rubiformis*

Table 92: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.62	-1.83	-1.42	0
Prof	-0.56	-0.86	-0.26	45.83
SSAL_MEAN	0.15	-0.16	0.44	5.25
SalMoyMoy	-0.07	-0.34	0.08	2.74
TempMoyMoy	-0.26	-0.48	-0.03	12.19
STEMMEAN	-0.34	-0.59	-0.1	17.4
BTEMMEAN	0.2	-0.08	0.47	6.89
O2_Sat_Mea	-0.02	-0.24	0.2	1.88
LaDeTow	0.09	-0.07	0.25	2.25
LoDeTow	-0.11	-0.4	0.19	4.19

Tjur's R^2 : 0.3

AUC: 0.87 ± 0.03



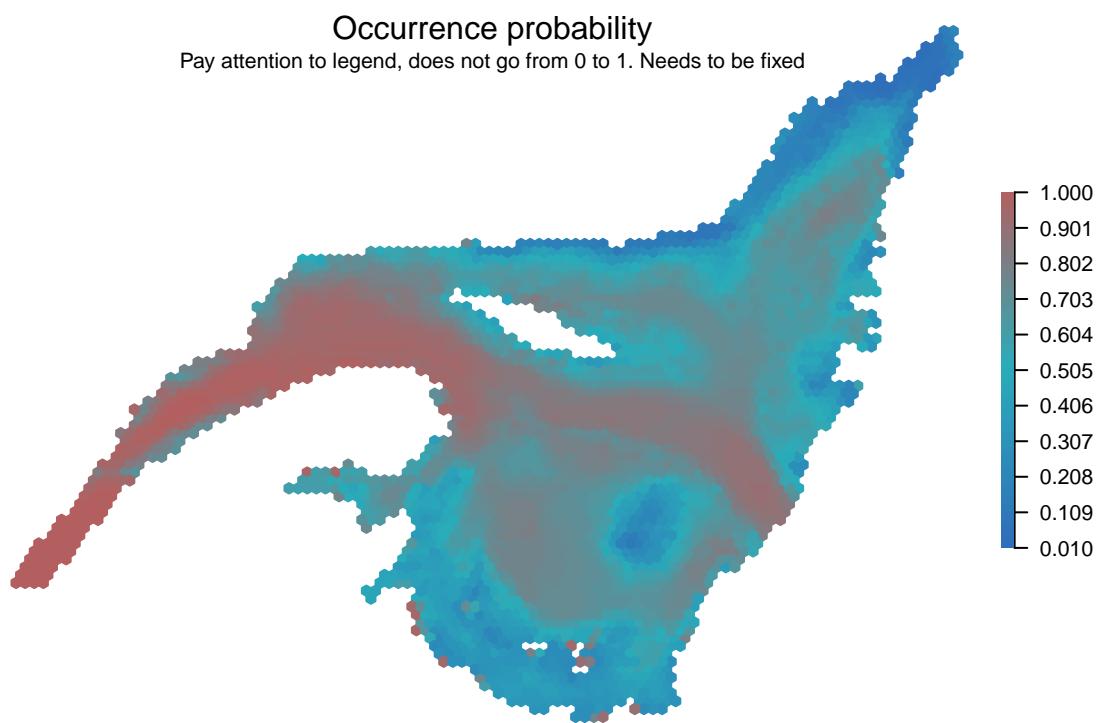
Taxa: *Ctenodiscus crispatus*

Table 93: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	0.39	0.28	0.5	0
Prof	0.41	0.24	0.58	20.59
SSAL_MEAN	-0.37	-0.63	-0.11	17.96
SalMoyMoy	-0.13	-0.3	-0.01	2.7
TempMoyMoy	-0.39	-0.58	-0.19	18.1
STEMMEAN	0.24	0.02	0.45	8.13
BTEMMEAN	0.13	-0.06	0.32	3.18
O2_Sat_Mea	-0.34	-0.53	-0.16	14.54
LaDeTow	0.1	-0.03	0.21	1.51
LoDeTow	-0.25	-0.47	0.01	9.14

Tjur's R² : 0.18

AUC: 0.72 ± 0.05



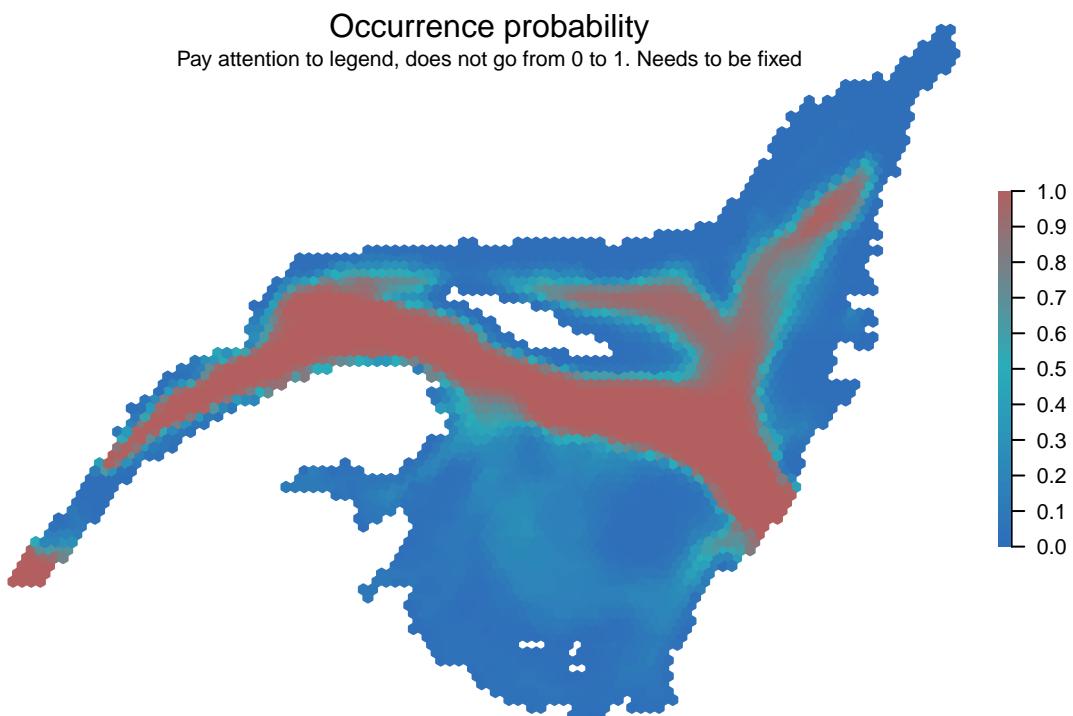
Taxa: Brisaster fragilis

Table 94: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.51	-0.69	-0.33	0
Prof	1.41	1.14	1.69	65.15
SSAL_MEAN	-0.57	-0.9	-0.25	11.17
SalMoyMoy	0.31	-0.13	0.73	4.62
TempMoyMoy	-0.06	-0.39	0.28	1.01
STEMMEAN	0.44	0.07	0.83	7.1
BTEMMEAN	0.01	-0.24	0.24	0.46
O2_Sat_Mea	-0.43	-0.71	-0.17	6.67
LaDeTow	-0.01	-0.18	0.16	0.25
LoDeTow	-0.24	-0.54	0.06	2.7

Tjur's R² : 0.64

AUC: 0.95 ± 0.02



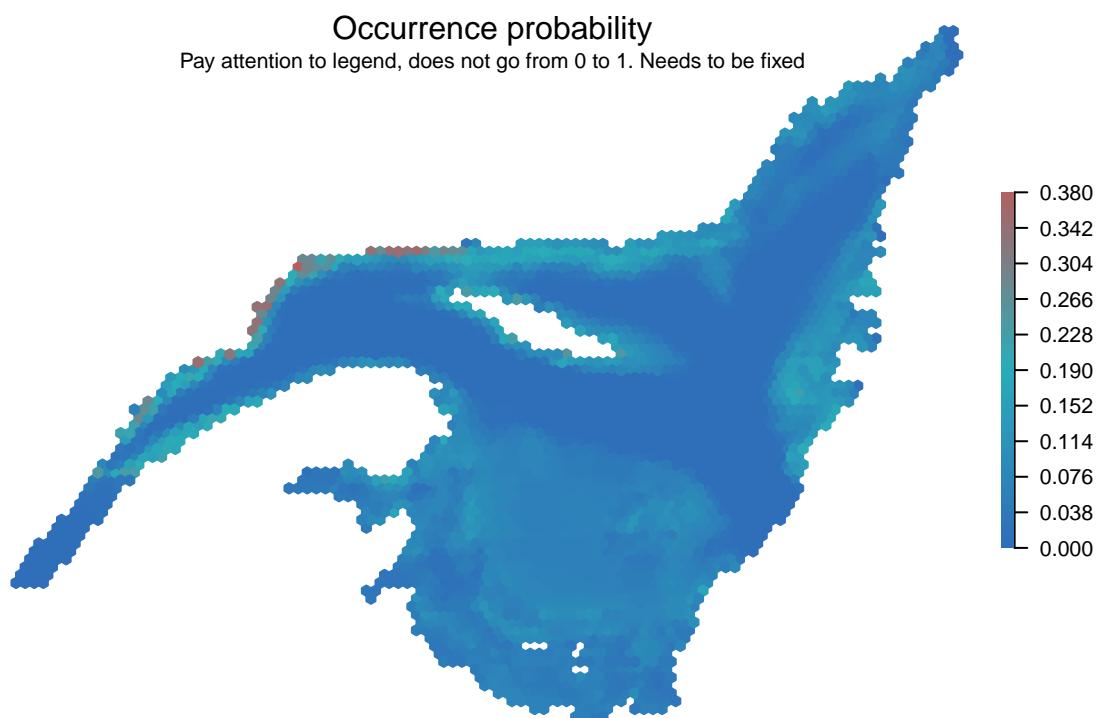
Taxa: Leptasterias sp.

Table 95: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.01	-2.28	-1.77	0
Prof	-0.49	-0.84	-0.18	20.69
SSAL_MEAN	0.33	-0.02	0.66	8.86
SalMoyMoy	0.32	0.01	0.72	9.29
TempMoyMoy	-0.41	-0.7	-0.14	14.54
STEMMEAN	-0.29	-0.53	-0.05	6.62
BTEMMEAN	0.38	0.1	0.68	11.33
O2_Sat_Mea	0.15	-0.06	0.41	3.26
LaDeTow	-0.17	-0.34	-0.01	2.86
LoDeTow	-0.33	-0.65	-0.01	9.07

Tjur's R² : 0.21

AUC: 0.88 ± 0.03



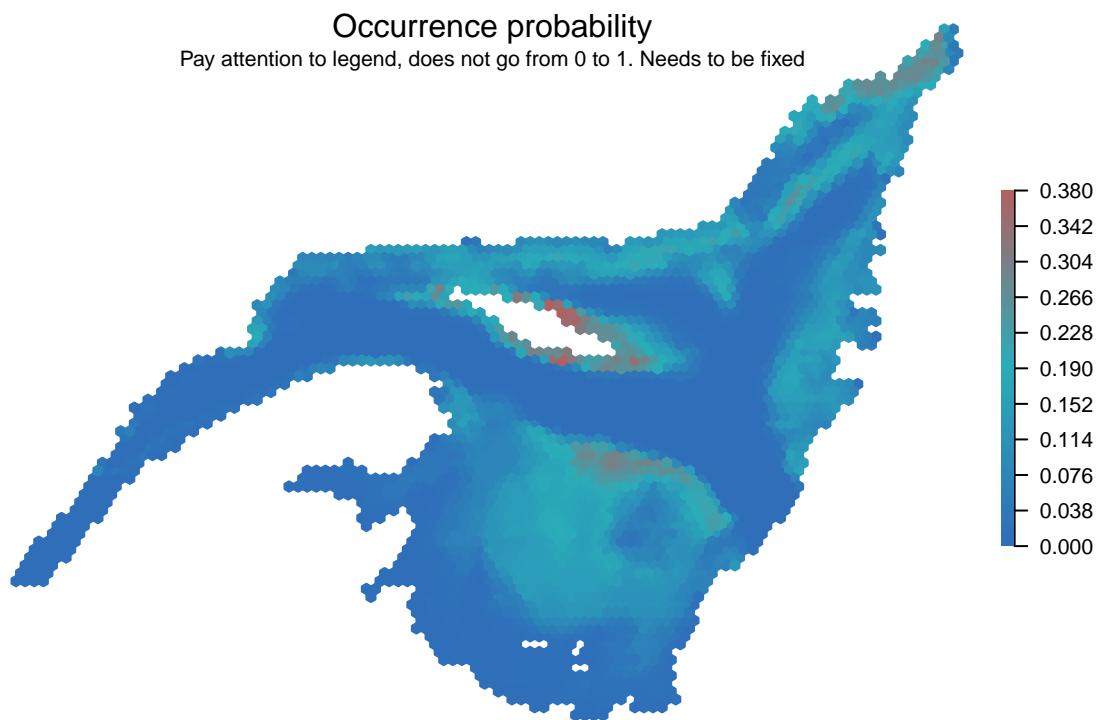
Taxa: *Pteraster militaris*

Table 96: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.96	-2.24	-1.69	0
Prof	-0.98	-1.37	-0.61	54.54
SSAL_MEAN	0.57	0.19	0.98	19.45
SalMoyMoy	0.3	0	0.69	6.24
TempMoyMoy	-0.32	-0.59	-0.06	7.2
STEMMEAN	-0.09	-0.33	0.15	1.21
BTEMMEAN	-0.06	-0.33	0.22	1.38
O2_Sat_Mea	-0.3	-0.58	-0.05	5.6
LaDeTow	-0.09	-0.26	0.08	0.9
LoDeTow	0.01	-0.32	0.34	1.58

Tjur's R^2 : 0.19

AUC: 0.88 ± 0.03



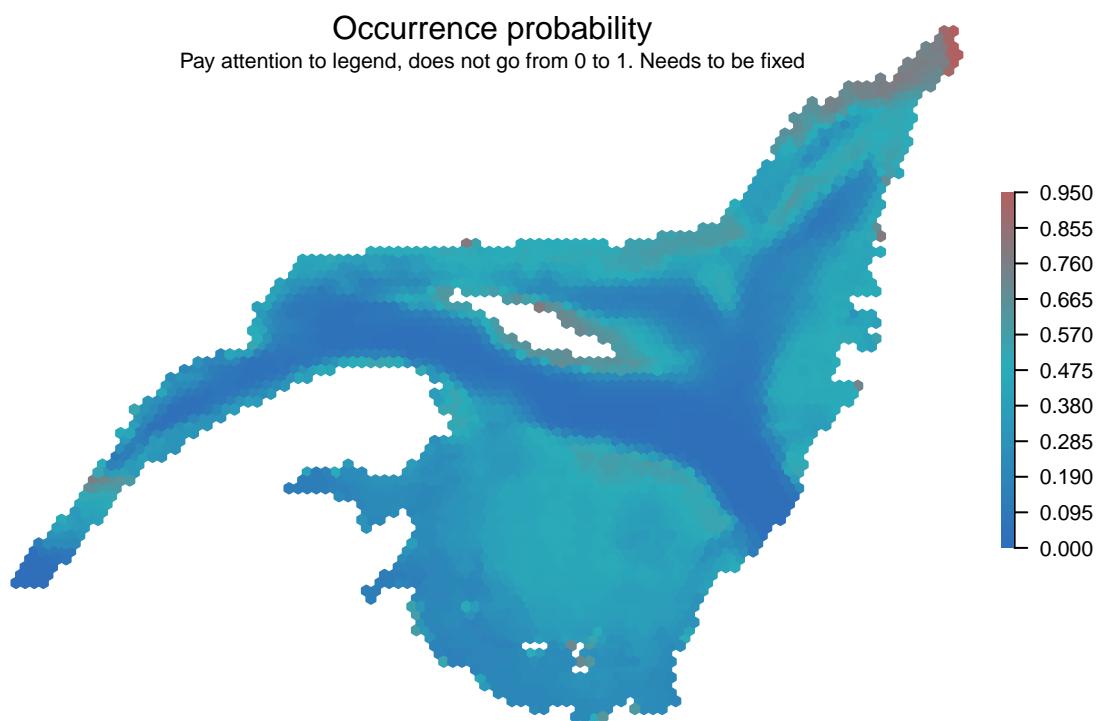
Taxa: *Henricia* sp.

Table 97: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.63	-0.75	-0.51	0
Prof	-0.65	-0.86	-0.45	57.56
SSAL_MEAN	0.29	0.03	0.54	12.88
SalMoyMoy	-0.09	-0.35	0.09	2.88
TempMoyMoy	-0.19	-0.39	0.02	6.6
STEMMEAN	-0.19	-0.39	0.02	5.94
BTEMMEAN	0.03	-0.17	0.22	1.43
O2_Sat_Mea	-0.23	-0.42	-0.04	7.42
LaDeTow	-0.07	-0.18	0.06	1.07
LoDeTow	0.07	-0.16	0.32	2.88

Tjur's R² : 0.26

AUC: 0.81 ± 0.03



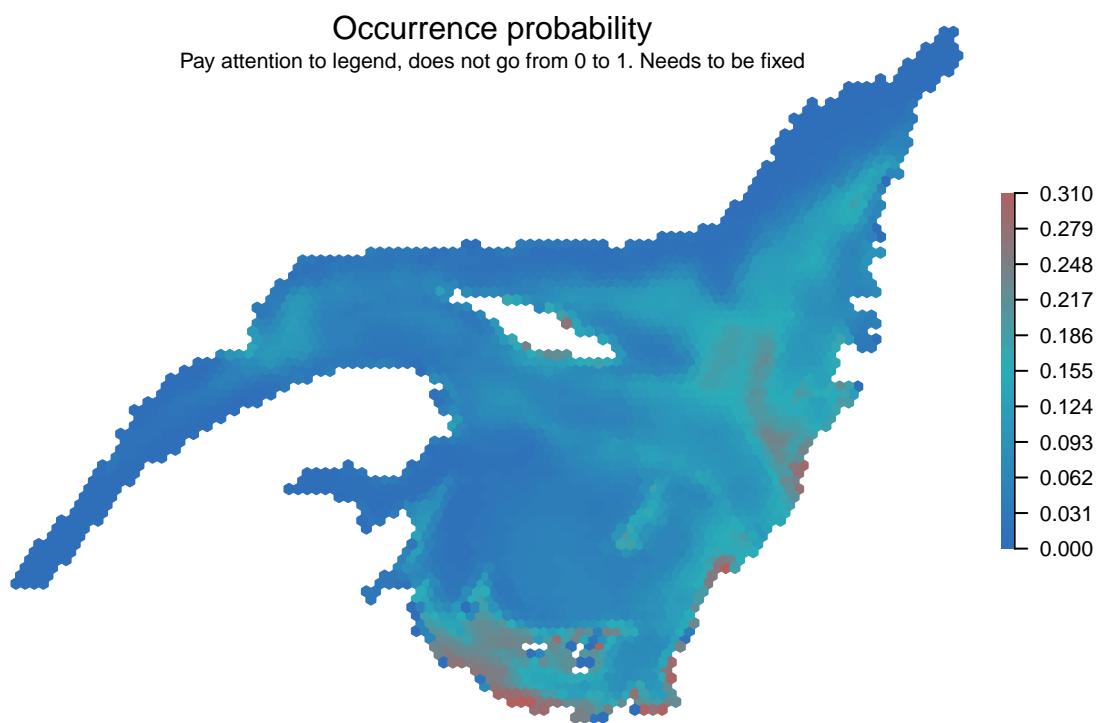
Taxa: Ceramaster granularis

Table 98: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.69	-1.91	-1.48	0
Prof	-0.25	-0.48	-0.02	5.9
SSAL_MEAN	0.71	0.33	1.13	39.87
SalMoyMoy	0.39	-0.02	0.82	14.86
TempMoyMoy	0.07	-0.25	0.38	2.81
STEMMEAN	0.06	-0.29	0.45	3.16
BTEMMEAN	0.32	0.09	0.56	9.13
O2_Sat_Mea	-0.33	-0.61	-0.04	9.97
LaDeTow	-0.32	-0.49	-0.15	9.1
LoDeTow	-0.14	-0.48	0.19	3.31

Tjur's R² : 0.12

AUC: 0.77 ± 0.04



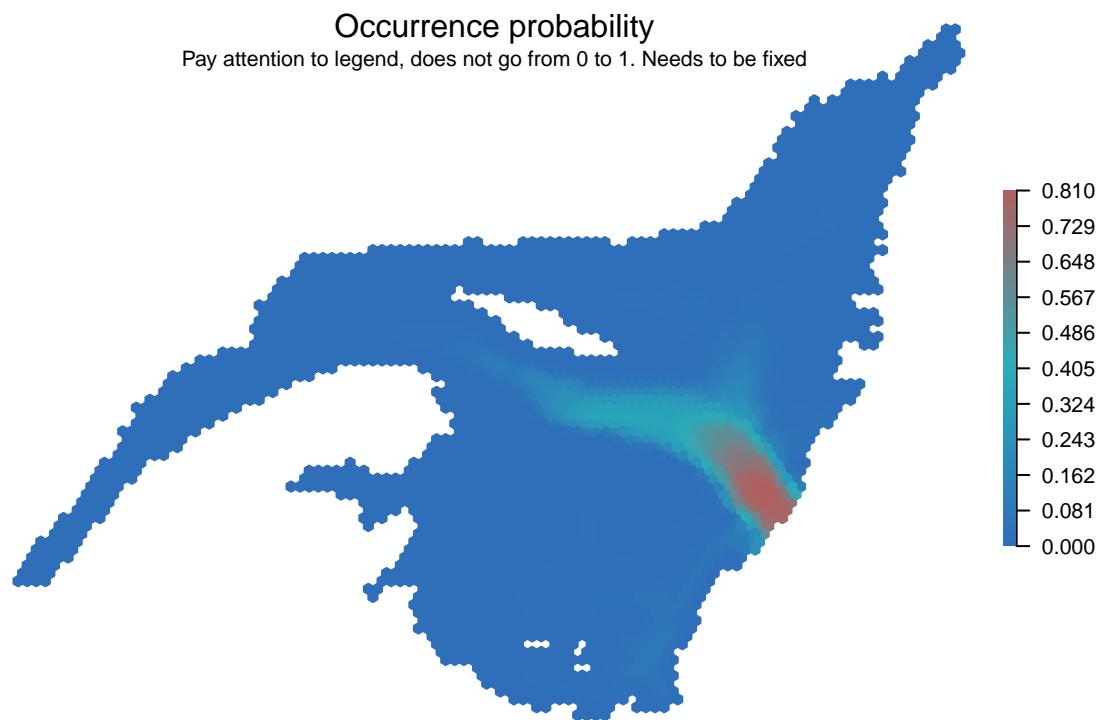
Taxa: Psilaster andromeda

Table 99: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.63	-3.14	-2.24	0
Prof	0.75	0.48	1.02	29.94
SSAL_MEAN	0.43	-0.14	1.04	12.53
SalMoyMoy	0.44	-0.03	0.92	11.76
TempMoyMoy	-0.04	-0.45	0.38	2.23
STEMMEAN	0.19	-0.29	0.68	4.73
BTEMMEAN	-0.1	-0.39	0.18	1.5
O2_Sat_Mea	0.19	-0.18	0.56	3.79
LaDeTow	-0.71	-0.97	-0.46	26.28
LoDeTow	0.21	-0.28	0.7	5.3

Tjur's R^2 : 0.45

AUC: 0.96 ± 0.01



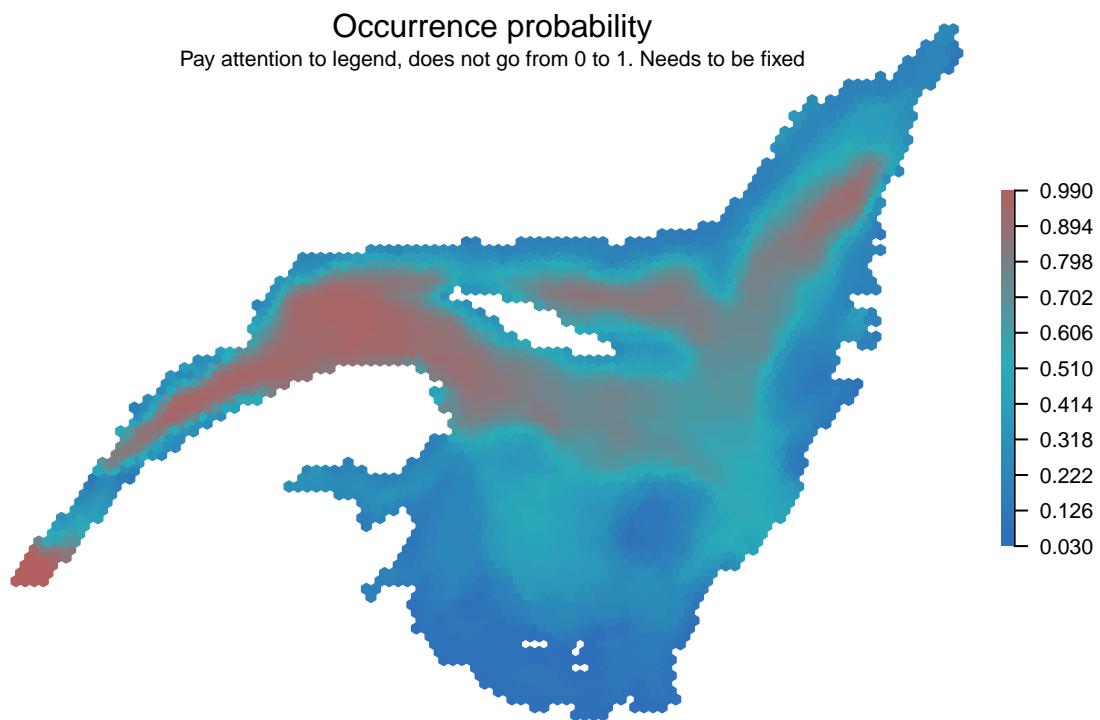
Taxa: *Pennatula aculeata*

Table 100: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.13	-0.24	-0.03	0
Prof	0.05	-0.12	0.24	1.43
SSAL_MEAN	-0.36	-0.62	-0.1	17.06
SalMoyMoy	0.06	-0.1	0.31	1.84
TempMoyMoy	-0.01	-0.21	0.21	1.43
STEMMEAN	0.25	0.05	0.45	8.68
BTEMMEAN	-0.16	-0.35	0.02	4.08
O2_Sat_Mea	-0.55	-0.73	-0.37	39.85
LaDeTow	0.4	0.27	0.53	20.54
LoDeTow	0.01	-0.23	0.24	1.72

Tjur's R^2 : 0.27

AUC: 0.8 ± 0.04



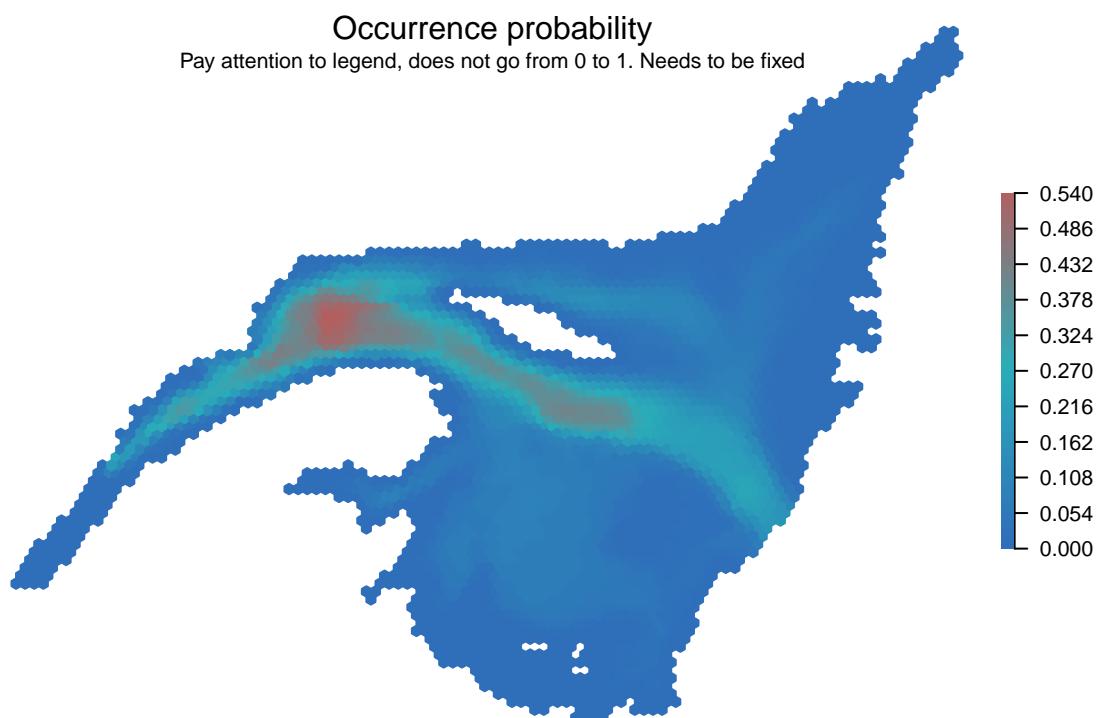
Taxa: Stephanauge sp.

Table 101: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.94	-2.2	-1.7	0
Prof	0.38	0.1	0.64	15.39
SSAL_MEAN	0.12	-0.23	0.48	3.86
SalMoyMoy	0.44	-0.01	0.98	20.21
TempMoyMoy	-0.04	-0.44	0.34	3.27
STEMMEAN	0.37	-0.01	0.73	14.42
BTEMMEAN	-0.36	-0.59	-0.12	13.78
O2_Sat_Mea	-0.05	-0.35	0.25	2.32
LaDeTow	0.01	-0.22	0.21	1.21
LoDeTow	-0.5	-0.82	-0.17	24.33

Tjur's R² : 0.13

AUC: 0.83 ± 0.06



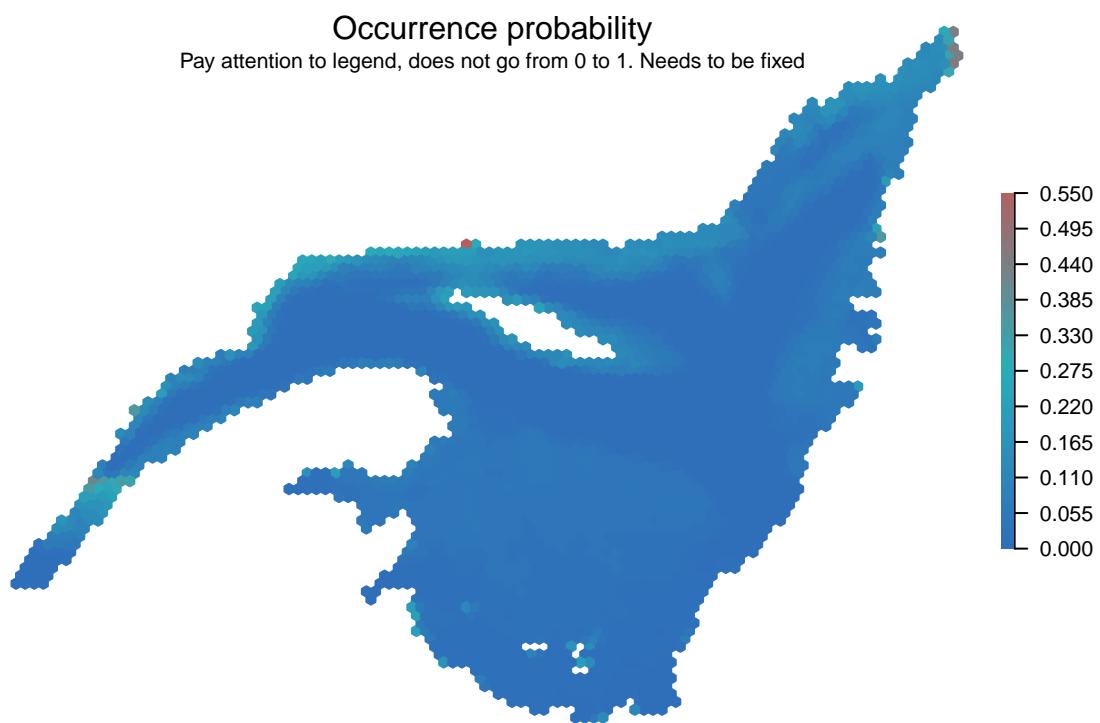
Taxa: Margarites sp.

Table 102: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.1	-2.43	-1.81	0
Prof	-0.59	-1.05	-0.2	41.89
SSAL_MEAN	0.34	-0.02	0.7	15.15
SalMoyMoy	-0.11	-0.35	0.04	2.85
TempMoyMoy	-0.21	-0.49	0.06	8.45
STEMMEAN	-0.11	-0.34	0.16	2.98
BTEMMEAN	0.1	-0.21	0.39	3.48
O2_Sat_Mea	0.03	-0.23	0.29	2.49
LaDeTow	0.21	0.01	0.41	6.58
LoDeTow	-0.26	-0.59	0.06	9.35

Tjur's R² : 0.21

AUC: 0.87 ± 0.05



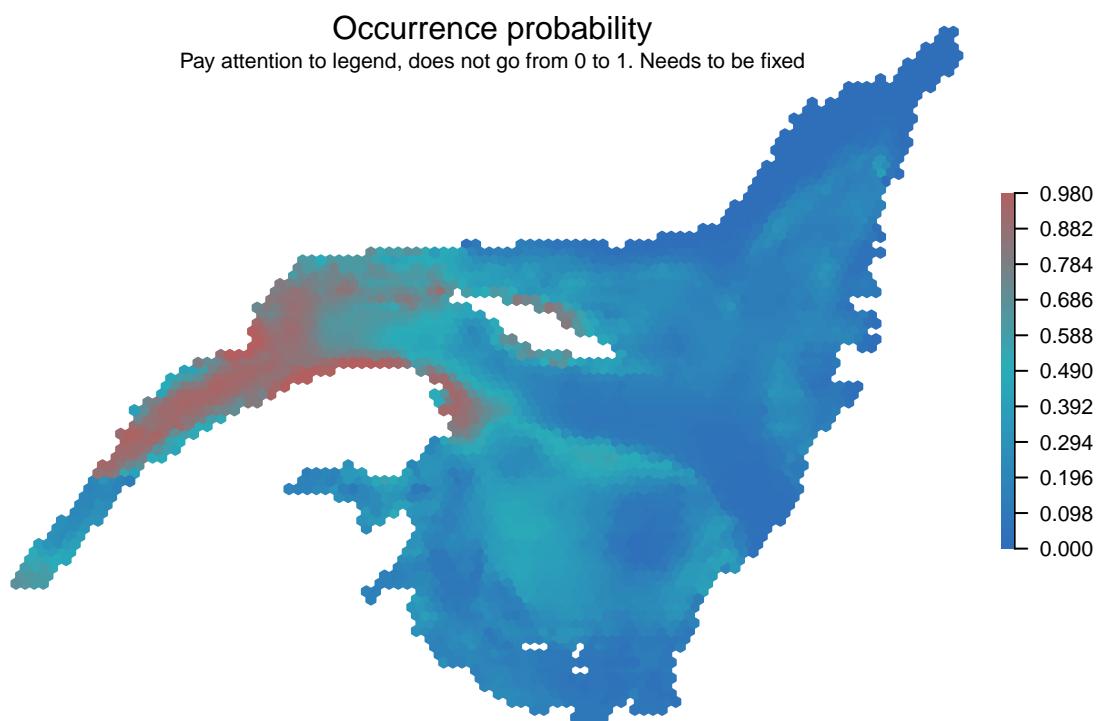
Taxa: Actinauge sp.

Table 103: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.78	-0.9	-0.65	0
Prof	-0.31	-0.54	-0.11	5.38
SSAL_MEAN	0.18	-0.06	0.45	2.19
SalMoyMoy	0.3	-0.09	0.72	5.88
TempMoyMoy	-0.43	-0.69	-0.17	9.47
STEMMEAN	0.23	-0.06	0.51	3.59
BTEMMEAN	0.41	0.21	0.61	8.68
O2_Sat_Mea	-0.66	-0.86	-0.47	22.31
LaDeTow	0.14	0.01	0.28	1.31
LoDeTow	-0.89	-1.16	-0.64	39.69

Tjur's R² : 0.29

AUC: 0.81 ± 0.03



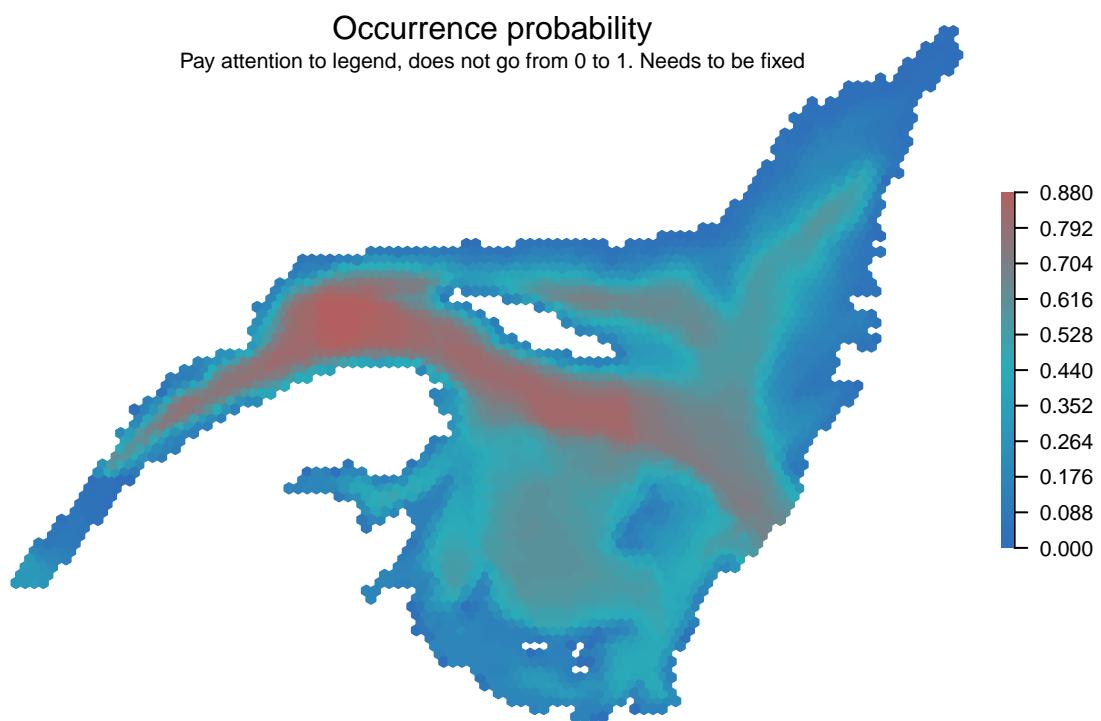
Taxa: Bolocera sp.

Table 104: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.33	-0.43	-0.22	0
Prof	0.17	-0.01	0.35	6.47
SSAL_MEAN	-0.12	-0.38	0.14	4.53
SalMoyMoy	0.19	-0.1	0.53	9.21
TempMoyMoy	0.04	-0.19	0.28	2.92
STEMMEAN	0.41	0.17	0.65	27.92
BTEMMEAN	-0.41	-0.58	-0.23	27.67
O2_Sat_Mea	-0.25	-0.45	-0.04	12.19
LaDeTow	-0.05	-0.18	0.08	1.19
LoDeTow	-0.12	-0.34	0.1	5.38

Tjur's R² : 0.26

AUC: 0.8 ± 0.03



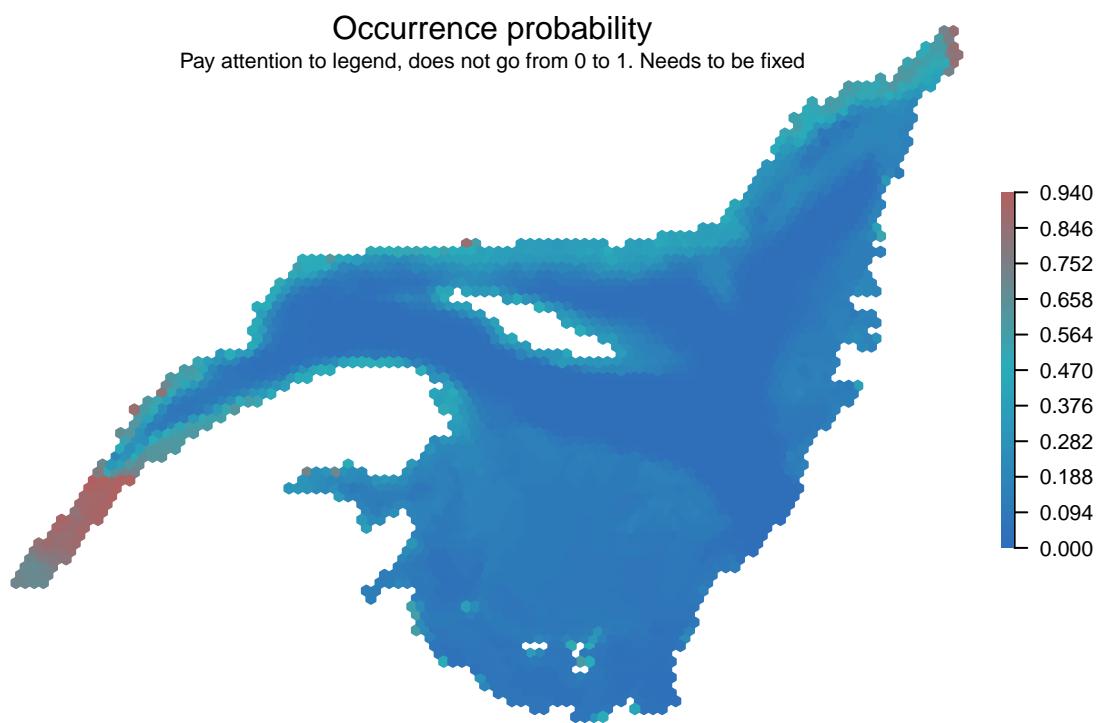
Taxa: Stomphia coccinea

Table 105: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.38	-1.56	-1.22	0
Prof	-0.47	-0.75	-0.22	31.88
SSAL_MEAN	0	-0.27	0.29	2.74
SalMoyMoy	-0.11	-0.38	0.08	3.63
TempMoyMoy	-0.29	-0.51	-0.05	13.7
STEMMEAN	-0.43	-0.66	-0.22	25.59
BTEMMEAN	0.27	0.03	0.53	10.37
O2_Sat_Mea	-0.06	-0.27	0.14	1.84
LaDeTow	0.05	-0.12	0.23	1.44
LoDeTow	-0.21	-0.48	0.05	7.64

Tjur's R² : 0.32

AUC: 0.88 ± 0.04



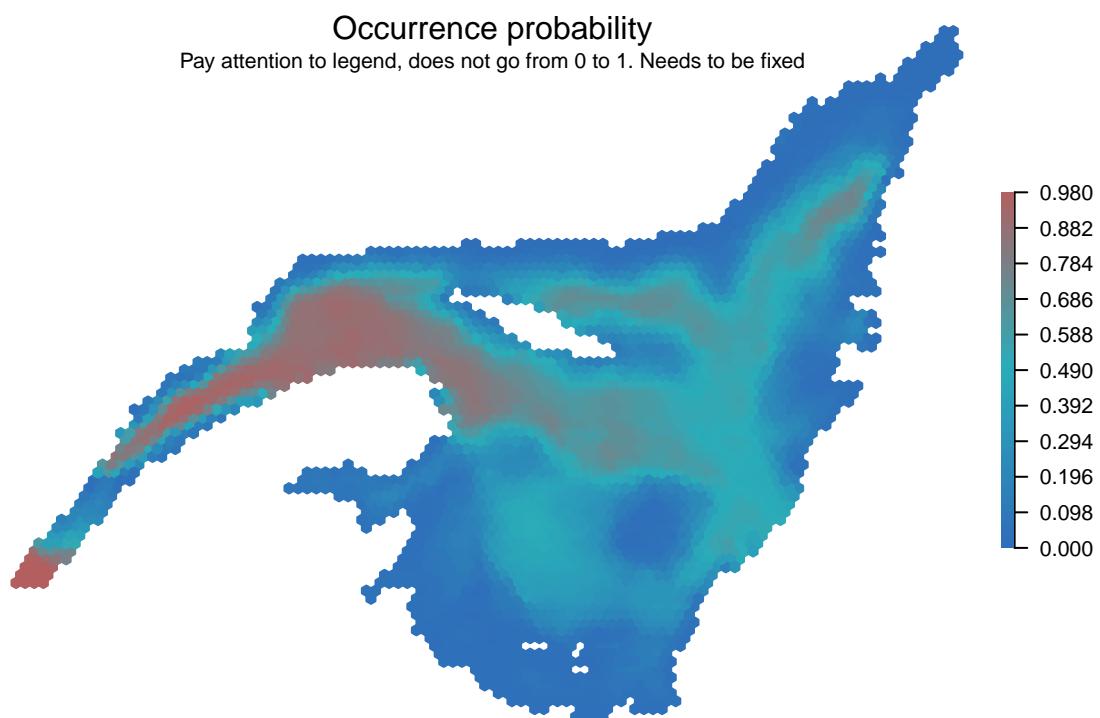
Taxa: *Actinostola* sp.

Table 106: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.59	-0.71	-0.47	0
Prof	0.11	-0.07	0.29	2.27
SSAL_MEAN	-0.35	-0.61	-0.1	13.52
SalMoyMoy	0.13	-0.14	0.45	3.9
TempMoyMoy	-0.19	-0.45	0.05	4.72
STEMMEAN	0.29	0.01	0.58	9.42
BTEMMEAN	-0.11	-0.3	0.07	1.98
O2_Sat_Mea	-0.78	-1.01	-0.55	60.61
LaDeTow	0.05	-0.08	0.19	0.83
LoDeTow	-0.04	-0.3	0.2	1.86

Tjur's R² : 0.28

AUC: 0.8 ± 0.03



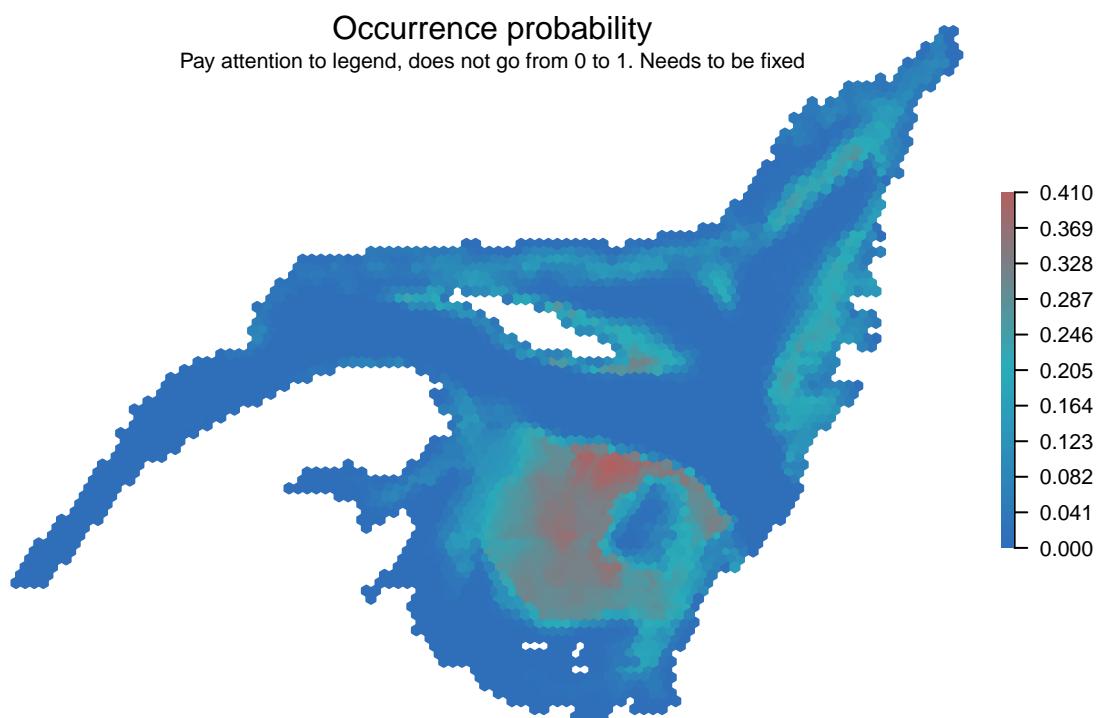
Taxa: *Pteraster pulvillus*

Table 107: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.04	-2.35	-1.78	0
Prof	-0.84	-1.24	-0.47	41.58
SSAL_MEAN	0.33	-0.08	0.77	8.95
SalMoyMoy	0.36	0.01	0.8	9.15
TempMoyMoy	-0.53	-0.84	-0.23	18.22
STEMMEAN	0.3	0.03	0.55	6.3
BTEMMEAN	-0.27	-0.56	0.03	5.55
O2_Sat_Mea	-0.22	-0.5	0.05	3.8
LaDeTow	-0.1	-0.29	0.09	1.12
LoDeTow	0.18	-0.2	0.56	3.61

Tjur's R² : 0.18

AUC: 0.88 ± 0.03



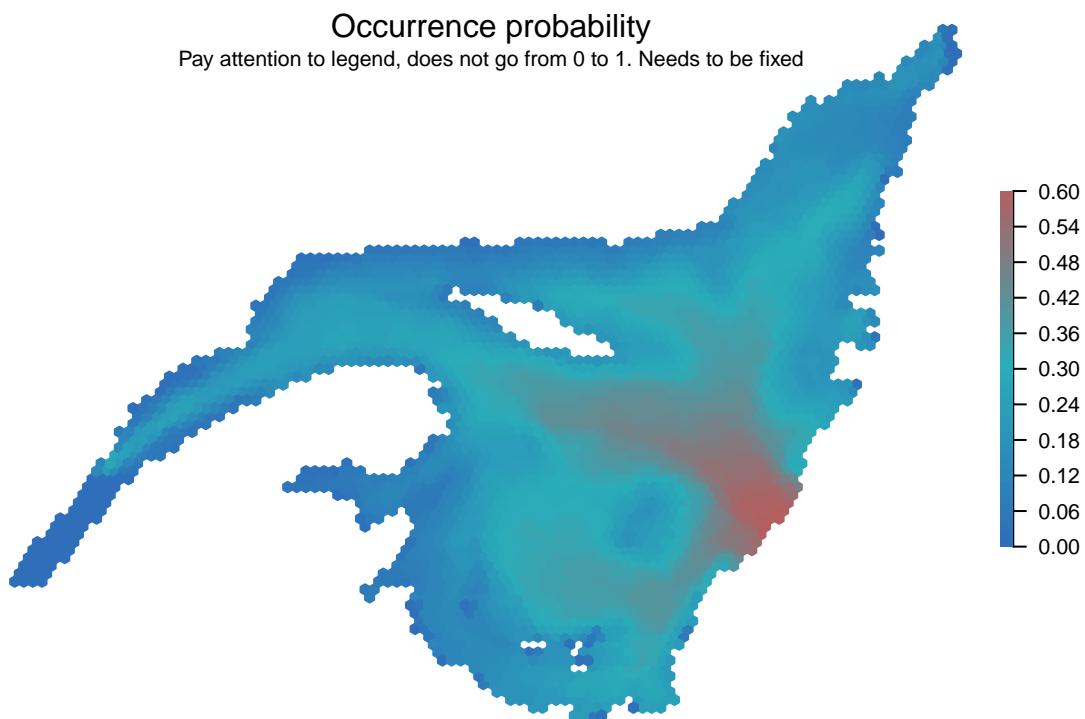
Taxa: *Bathypolypus bairdii*

Table 108: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.82	-0.94	-0.69	0
Prof	0.08	-0.1	0.27	3.69
SSAL_MEAN	0.14	-0.12	0.39	6.86
SalMoyMoy	0.3	-0.02	0.7	20.95
TempMoyMoy	-0.07	-0.33	0.18	3.79
STEMMEAN	-0.09	-0.29	0.13	3.73
BTEMMEAN	-0.03	-0.21	0.15	1.87
O2_Sat_Mea	-0.19	-0.41	0.02	8.36
LaDeTow	-0.43	-0.56	-0.29	37.95
LoDeTow	0.19	-0.06	0.45	10.09

Tjur's R² : 0.15

AUC: 0.74 ± 0.04



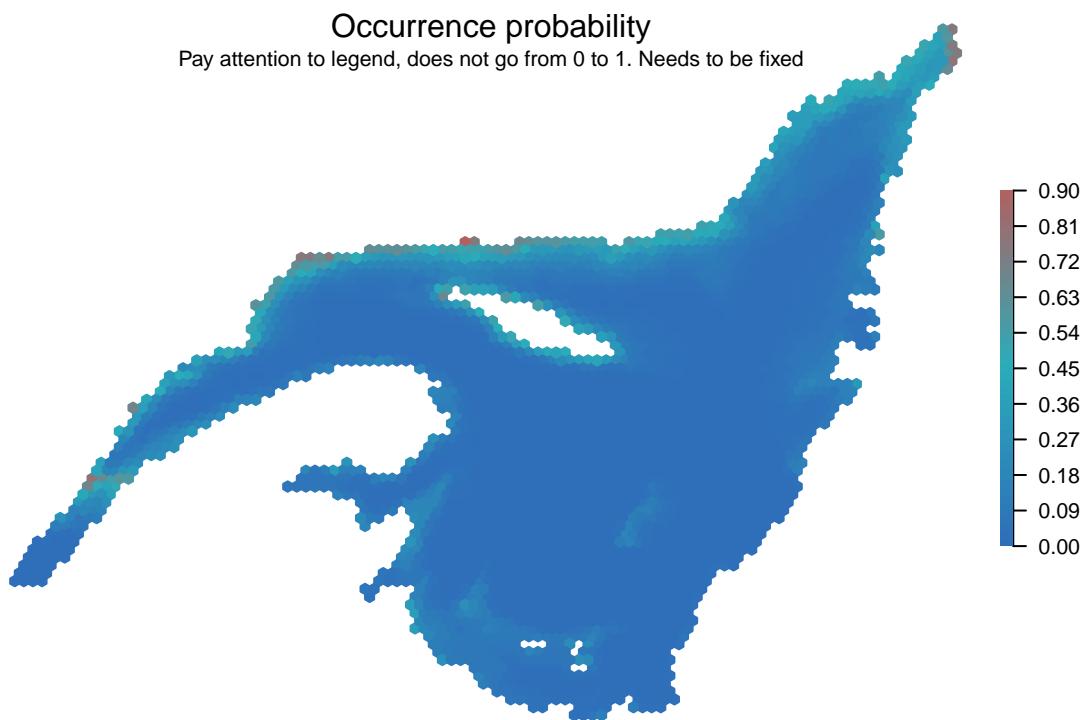
Taxa: *Boltenia ovifera*

Table 109: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.92	-2.24	-1.63	0
Prof	-0.44	-0.86	-0.03	9.17
SSAL_MEAN	0.69	0.28	1.08	18.07
SalMoyMoy	-0.16	-0.48	0.05	1.71
TempMoyMoy	0.03	-0.25	0.29	0.87
STEMMEAN	-0.49	-0.78	-0.21	9.49
BTEMMEAN	0.52	0.17	0.88	10.41
O2_Sat_Mea	0.02	-0.27	0.3	0.89
LaDeTow	0.38	0.19	0.6	6.53
LoDeTow	-0.52	-0.85	-0.18	10.39

Tjur's R^2 : 0.3

AUC: 0.88 ± 0.04



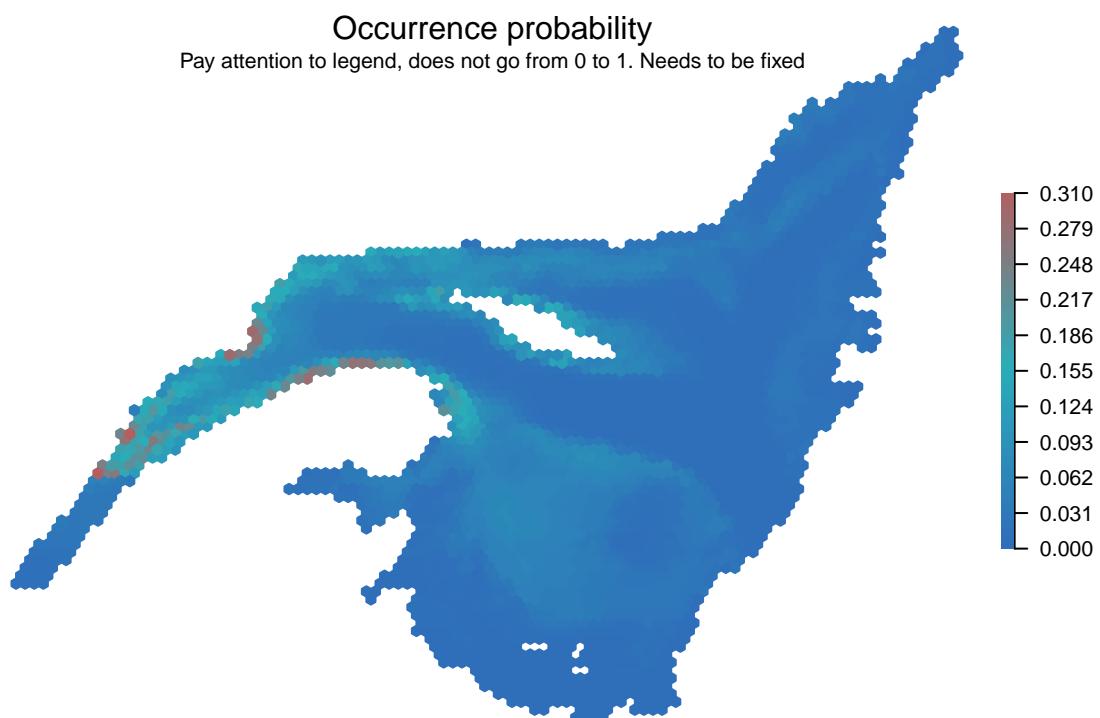
Taxa: Nymphon sp.

Table 110: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.07	-2.44	-1.73	0
Prof	-0.33	-0.65	-0.04	14.38
SSAL_MEAN	0.09	-0.24	0.44	3.28
SalMoyMoy	0.24	-0.06	0.64	8.24
TempMoyMoy	-0.34	-0.68	-0.01	14.11
STEMMEAN	-0.11	-0.39	0.16	3.05
BTEMMEAN	0.13	-0.15	0.43	3.53
O2_Sat_Mea	-0.24	-0.51	0.01	7.56
LaDeTow	0.05	-0.17	0.26	1.72
LoDeTow	-0.4	-0.72	-0.06	19.45

Tjur's R² : 0.17

AUC: 0.87 ± 0.06



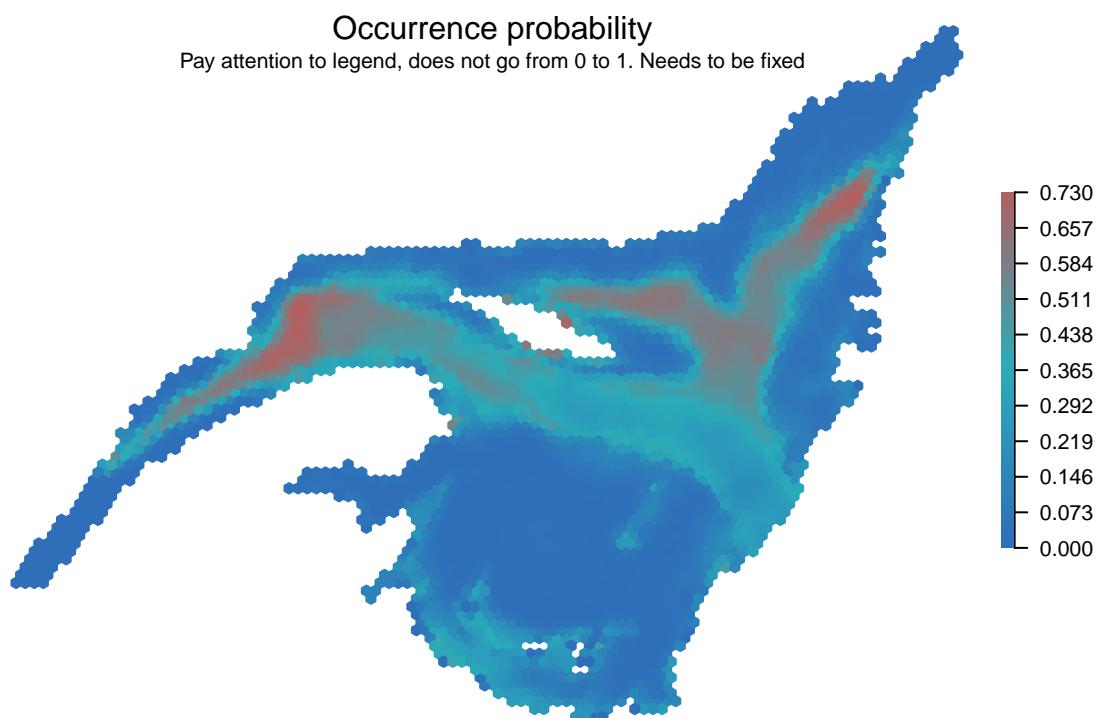
Taxa: Cuspidaria sp.

Table 111: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.23	-1.41	-1.07	0
Prof	-0.2	-0.41	0.02	3.94
SSAL_MEAN	0.47	0.15	0.78	17.48
SalMoyMoy	0.22	-0.12	0.66	6.73
TempMoyMoy	0.39	0.05	0.71	14.52
STEMMEAN	-0.06	-0.36	0.27	2.22
BTEMMEAN	0.33	0.12	0.53	8.45
O2_Sat_Mea	-0.72	-1.02	-0.45	40.86
LaDeTow	0.04	-0.12	0.2	0.69
LoDeTow	-0.2	-0.47	0.08	4.12

Tjur's R² : 0.2

AUC: 0.82 ± 0.04



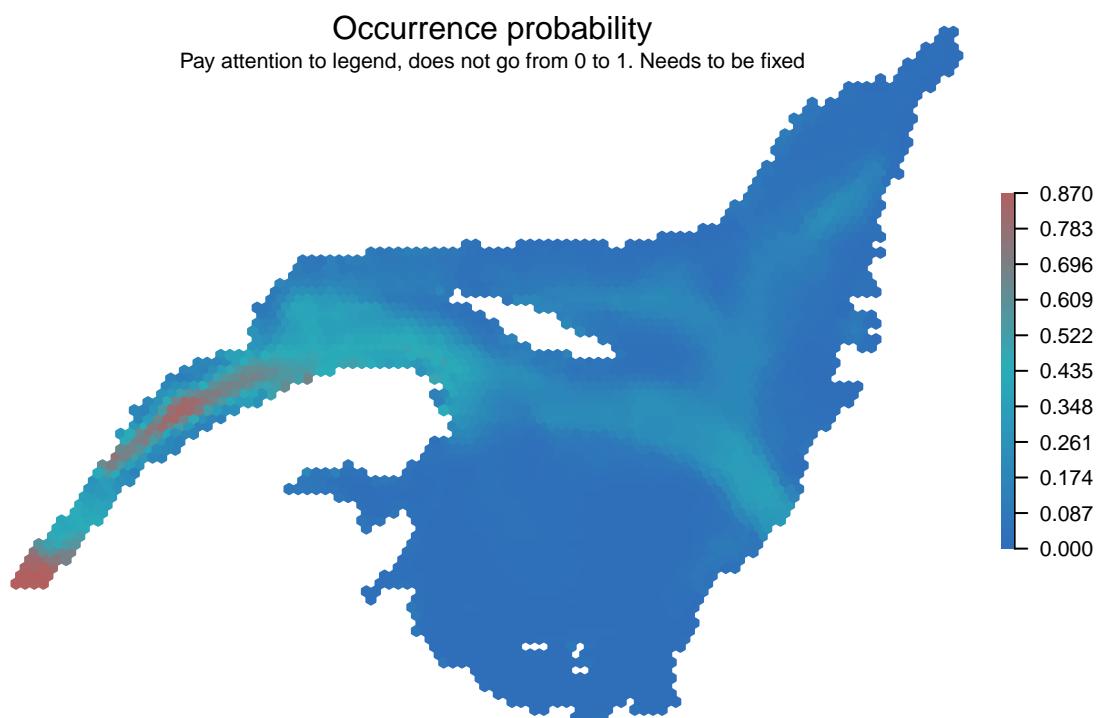
Taxa: *Megayoldia thraciaeformis*

Table 112: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.47	-1.64	-1.3	0
Prof	0.44	0.23	0.67	21.66
SSAL_MEAN	-0.19	-0.49	0.12	7.66
SalMoyMoy	0.02	-0.15	0.27	1.3
TempMoyMoy	-0.23	-0.53	0.03	7.09
STEMMEAN	-0.25	-0.54	0.03	7.95
BTEMMEAN	0.39	0.16	0.64	16.4
O2_Sat_Mea	-0.37	-0.64	-0.12	16.05
LaDeTow	0.08	-0.09	0.27	1.55
LoDeTow	-0.22	-0.5	0.07	7.11

Tjur's R² : 0.23

AUC: 0.83 ± 0.05



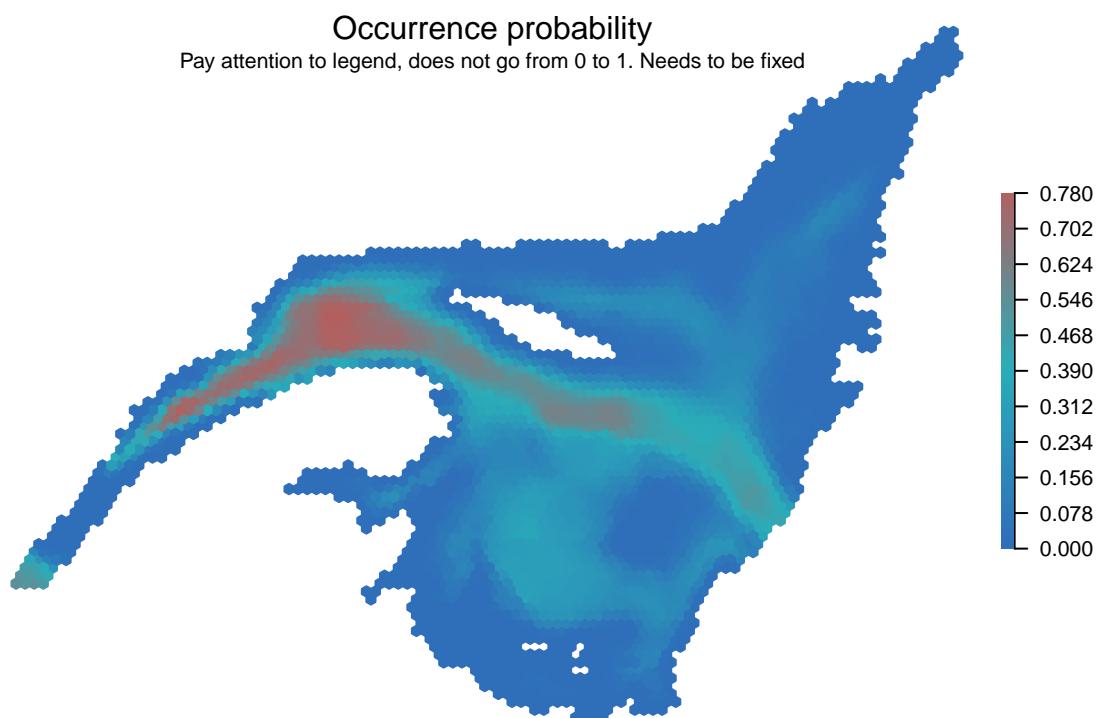
Taxa: *Pennatula grandis*

Table 113: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.64	-1.85	-1.43	0
Prof	0.45	0.24	0.66	11.98
SSAL_MEAN	-0.28	-0.59	0.05	5.15
SalMoyMoy	0.47	0.03	0.97	12.88
TempMoyMoy	-0.31	-0.68	0.04	5.96
STEMMEAN	0.81	0.45	1.21	33.47
BTEMMEAN	-0.35	-0.56	-0.16	6.88
O2_Sat_Mea	-0.43	-0.7	-0.17	10.48
LaDeTow	-0.08	-0.27	0.11	0.75
LoDeTow	-0.44	-0.75	-0.15	11.54

Tjur's R² : 0.27

AUC: 0.88 ± 0.03



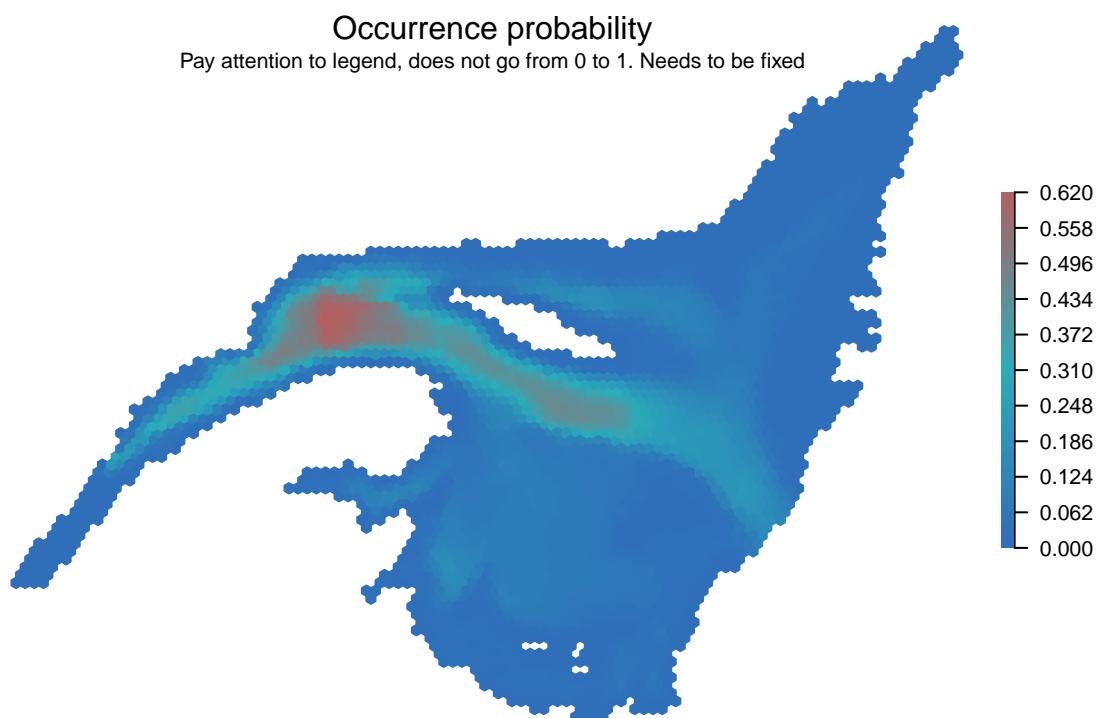
Taxa: *Halipteris finmarchica*

Table 114: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.91	-2.19	-1.67	0
Prof	0.28	0.02	0.53	7.46
SSAL_MEAN	0.04	-0.31	0.37	2.37
SalMoyMoy	0.5	0.04	0.99	20.57
TempMoyMoy	0.19	-0.21	0.59	6.18
STEMMEAN	0.46	0.06	0.83	17.12
BTEMMEAN	-0.49	-0.71	-0.25	19.04
O2_Sat_Mea	0	-0.29	0.3	1.68
LaDeTow	-0.01	-0.22	0.22	0.98
LoDeTow	-0.55	-0.89	-0.21	23.88

Tjur's R² : 0.18

AUC: 0.86 ± 0.03



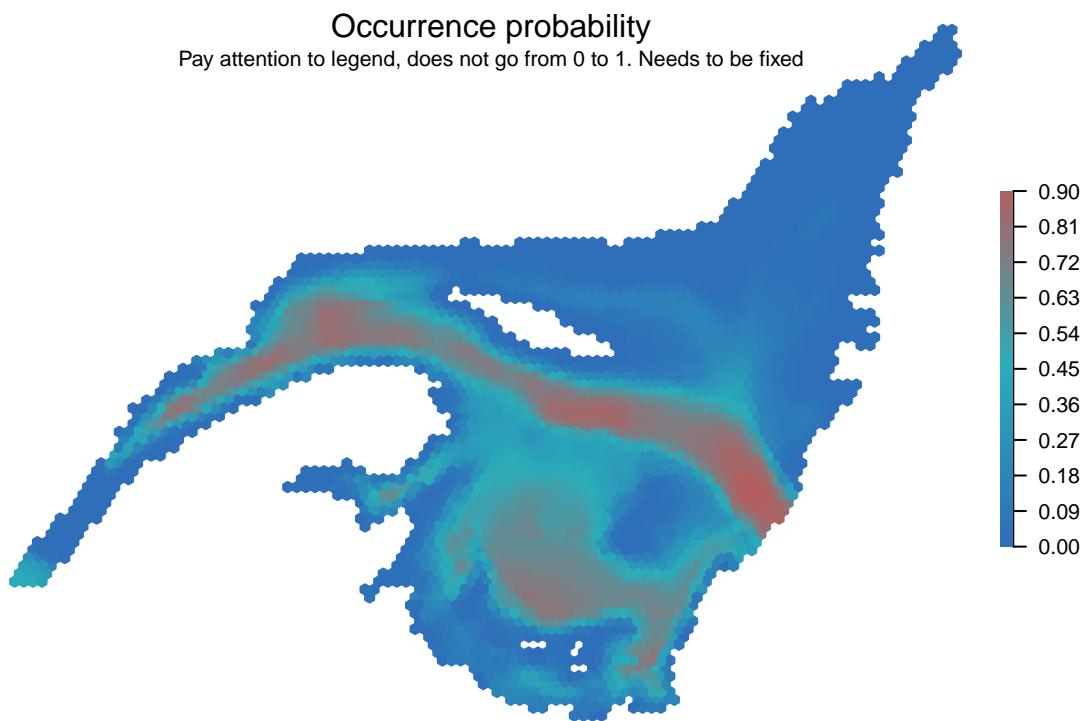
Taxa: *Anthoptilum grandiflorum*

Table 115: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.3	-1.54	-1.1	0
Prof	0.69	0.48	0.92	15.19
SSAL_MEAN	-0.19	-0.49	0.1	1.64
SalMoyMoy	0.69	0.2	1.26	15.18
TempMoyMoy	-0.36	-0.72	0	4.46
STEMMEAN	1.08	0.71	1.46	34.77
BTEMMEAN	-0.37	-0.57	-0.17	4.28
O2_Sat_Mea	-0.09	-0.35	0.16	0.72
LaDeTow	-0.51	-0.7	-0.33	8.14
LoDeTow	-0.67	-0.97	-0.37	14.11

Tjur's R² : 0.48

AUC: 0.92 ± 0.02



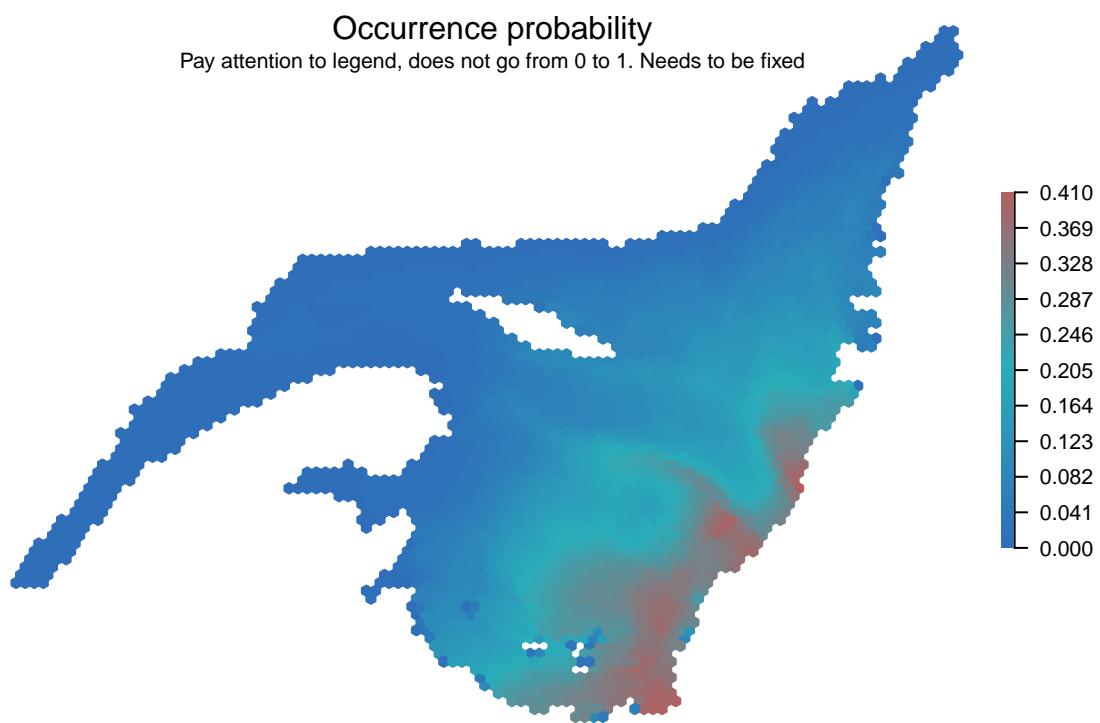
Taxa: *Scaphander punctostriatus*

Table 116: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.66	-1.96	-1.39	0
Prof	-0.21	-0.44	0.01	2.86
SSAL_MEAN	0.67	0.23	1.14	24.76
SalMoyMoy	0.3	-0.09	0.71	6.28
TempMoyMoy	-0.02	-0.32	0.28	1.2
STEMMEAN	0.07	-0.27	0.42	1.91
BTEMMEAN	-0.02	-0.26	0.24	0.85
O2_Sat_Mea	-0.18	-0.46	0.1	2.54
LaDeTow	-0.77	-0.95	-0.59	32
LoDeTow	0.3	-0.1	0.69	7.13

Tjur's R² : 0.22

AUC: 0.88 ± 0.03



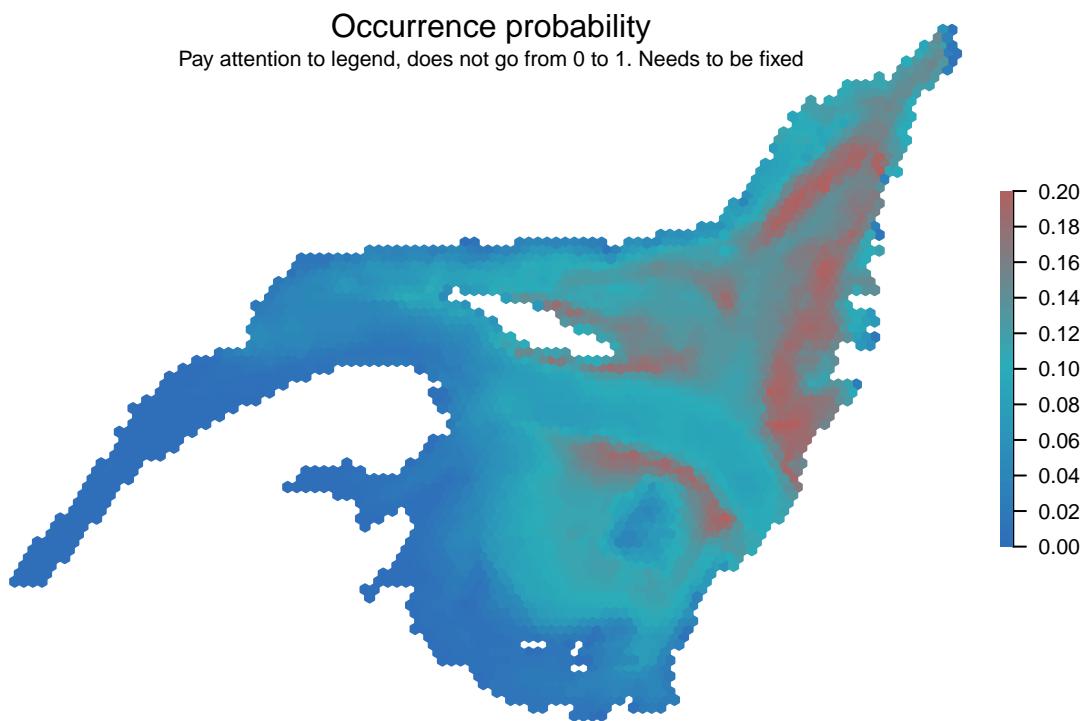
Taxa: *Stylocordyla borealis*

Table 117: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.63	-1.9	-1.37	0
Prof	-0.14	-0.37	0.08	3.6
SSAL_MEAN	0.55	0.14	0.98	33.58
SalMoyMoy	0.22	-0.05	0.58	7.19
TempMoyMoy	-0.13	-0.45	0.15	3.62
STEMMEAN	0.06	-0.21	0.33	2.4
BTEMMEAN	-0.06	-0.33	0.2	2.38
O2_Sat_Mea	-0.16	-0.44	0.11	4.15
LaDeTow	-0.12	-0.28	0.06	2.2
LoDeTow	0.19	-0.14	0.53	7.7

Tjur's R² : 0.11

AUC: 0.79 ± 0.04



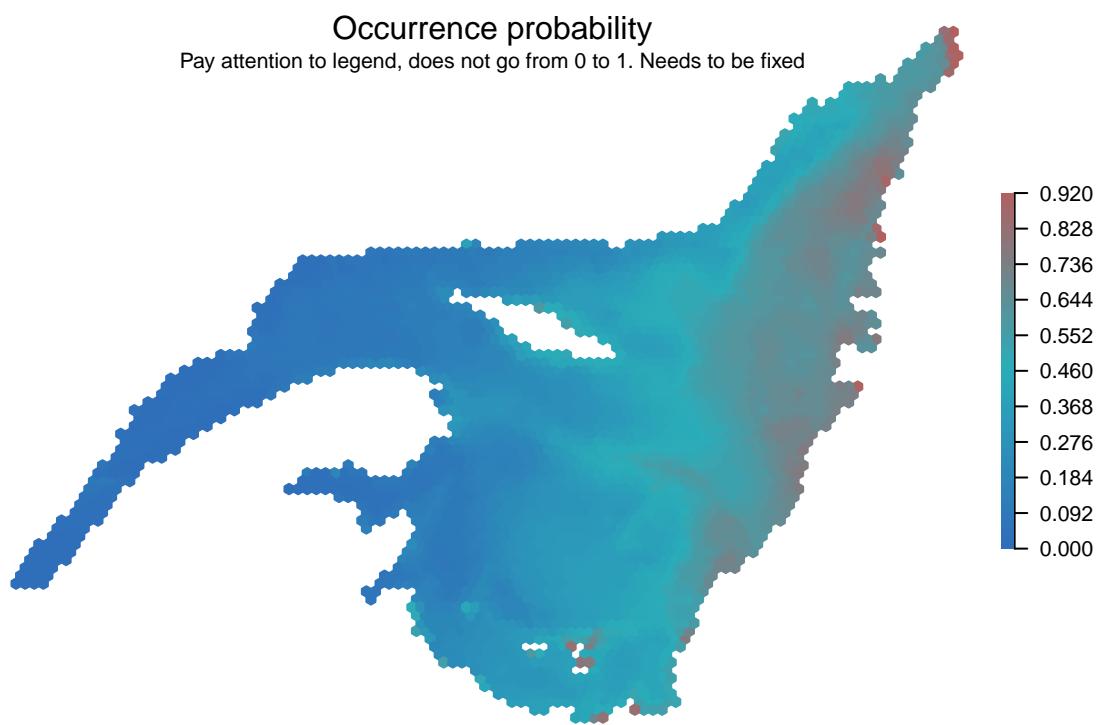
Taxa: *Cyanea capillata*

Table 118: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-0.61	-1.29	-0.06	0
Prof	-0.08	-0.29	0.12	0.26
SSAL_MEAN	0.28	-0.04	0.58	1.55
SalMoyMoy	-0.15	-0.46	0.05	0.55
TempMoyMoy	-0.07	-0.29	0.18	0.28
STEMMEAN	-0.09	-0.29	0.13	0.27
BTEMMEAN	0.18	-0.05	0.39	0.67
O2_Sat_Mea	-0.3	-0.53	-0.09	1.44
LaDeTow	-0.27	-0.42	-0.13	1.17
LoDeTow	0.66	0.37	0.95	6.74

Tjur's R² : 0.46

AUC: 0.9 ± 0.02



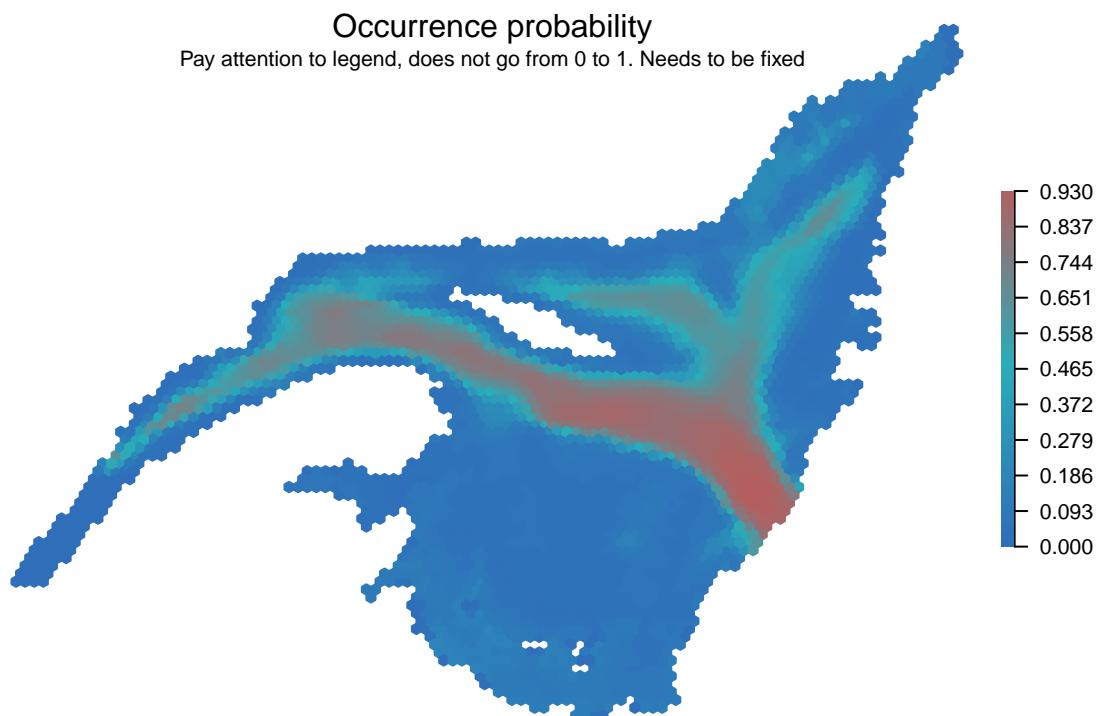
Taxa: *Periphylla periphylla*

Table 119: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.17	-1.98	-0.47	0
Prof	0.62	0.4	0.85	5.1
SSAL_MEAN	0.15	-0.16	0.48	0.53
SalMoyMoy	0.14	-0.1	0.46	0.56
TempMoyMoy	0.32	0.01	0.61	1.62
STEMMEAN	-0.14	-0.41	0.14	0.43
BTEMMEAN	-0.03	-0.25	0.18	0.19
O2_Sat_Mea	-0.1	-0.35	0.17	0.35
LaDeTow	-0.13	-0.3	0.04	0.35
LoDeTow	-0.01	-0.32	0.28	0.28

Tjur's R² : 0.46

AUC: 0.93 ± 0.02



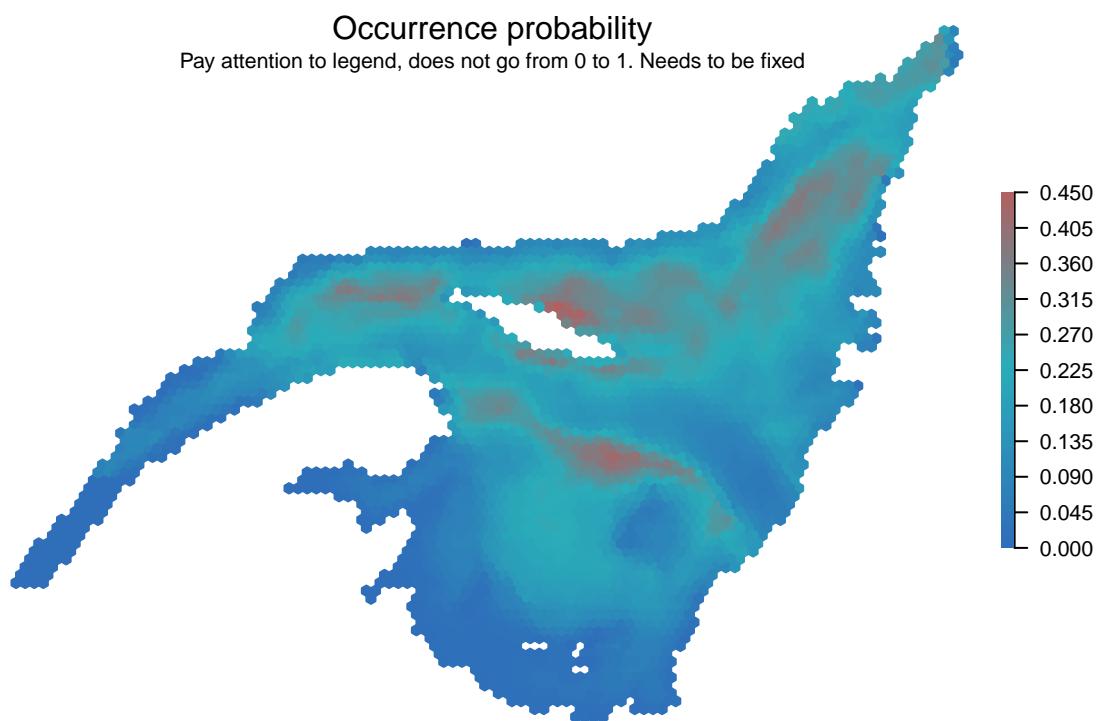
Taxa: Epizoanthus sp.

Table 120: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.34	-2.13	-0.66	0
Prof	-0.31	-0.56	-0.08	0.5
SSAL_MEAN	0.25	-0.07	0.54	0.41
SalMoyMoy	0.21	-0.02	0.55	0.28
TempMoyMoy	-0.06	-0.34	0.21	0.09
STEMMEAN	0.06	-0.16	0.29	0.08
BTEMMEAN	-0.19	-0.44	0.03	0.24
O2_Sat_Mea	-0.38	-0.61	-0.13	0.72
LaDeTow	0.07	-0.09	0.23	0.07
LoDeTow	0.12	-0.15	0.4	0.16

Tjur's R² : 0.17

AUC: 0.82 ± 0.03



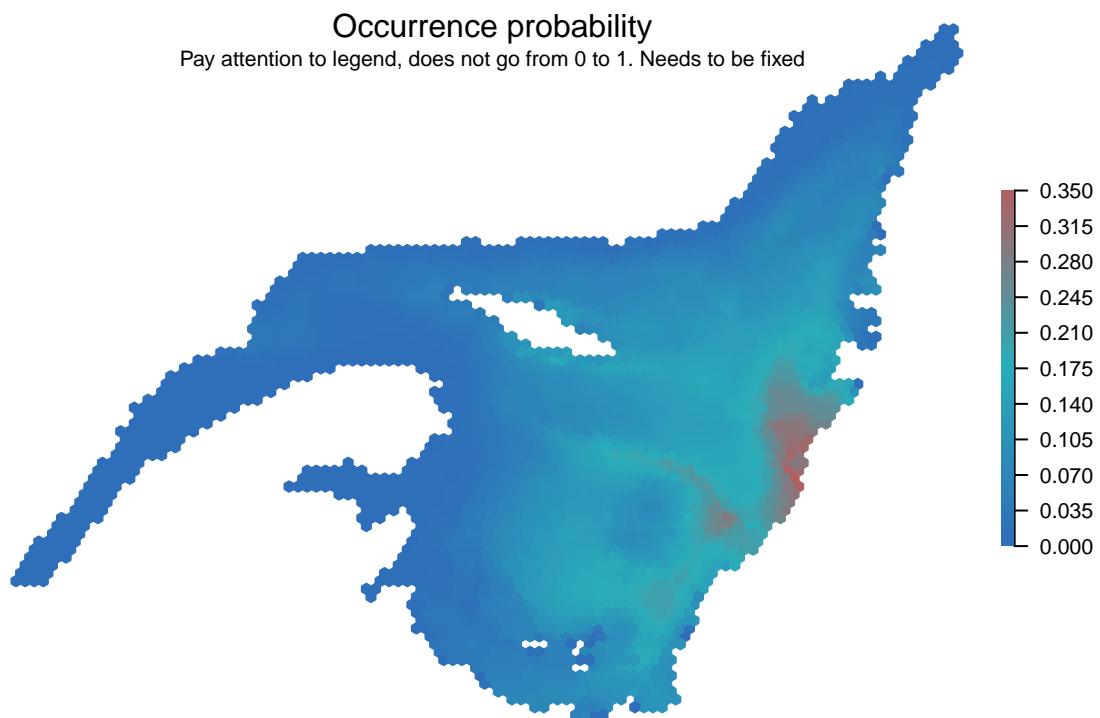
Taxa: *Aurelia aurita*

Table 121: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.02	-3.09	-1.16	0
Prof	-0.15	-0.4	0.11	0.3
SSAL_MEAN	1.12	0.66	1.64	9.54
SalMoyMoy	0.4	-0.01	0.89	1.52
TempMoyMoy	-0.13	-0.48	0.19	0.32
STEMMEAN	0.06	-0.25	0.4	0.26
BTEMMEAN	0.05	-0.24	0.32	0.17
O2_Sat_Mea	-0.17	-0.46	0.11	0.37
LaDeTow	-0.58	-0.77	-0.38	2.71
LoDeTow	0.05	-0.3	0.38	0.29

Tjur's R^2 : 0.49

AUC: 0.94 ± 0.02



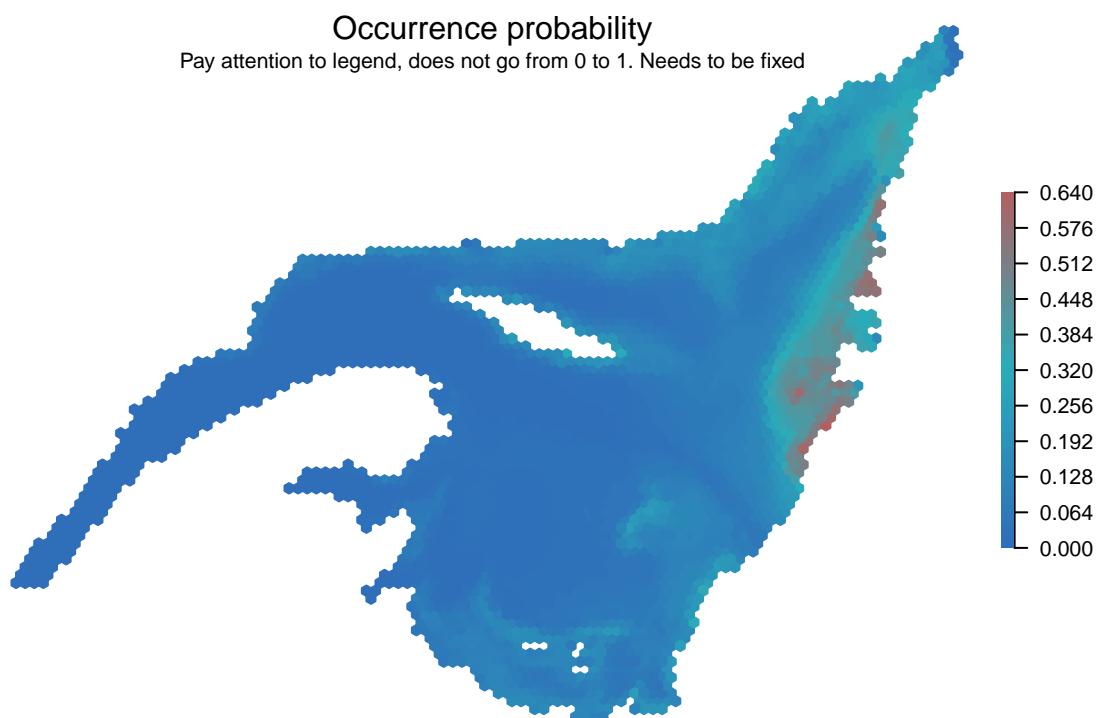
Taxa: Pleurobrachia pileus

Table 122: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.83	-2.72	-1.1	0
Prof	-0.05	-0.32	0.21	0.19
SSAL_MEAN	0.63	0.16	1.15	3.39
SalMoyMoy	0.23	-0.03	0.67	0.63
TempMoyMoy	-0.22	-0.51	0.08	0.58
STEMMEAN	-0.25	-0.55	0.03	0.6
BTEMMEAN	0.53	0.23	0.85	2.47
O2_Sat_Mea	0.12	-0.16	0.4	0.34
LaDeTow	-0.17	-0.36	0.01	0.34
LoDeTow	0.22	-0.17	0.59	0.86

Tjur's R² : 0.32

AUC: 0.91 ± 0.03



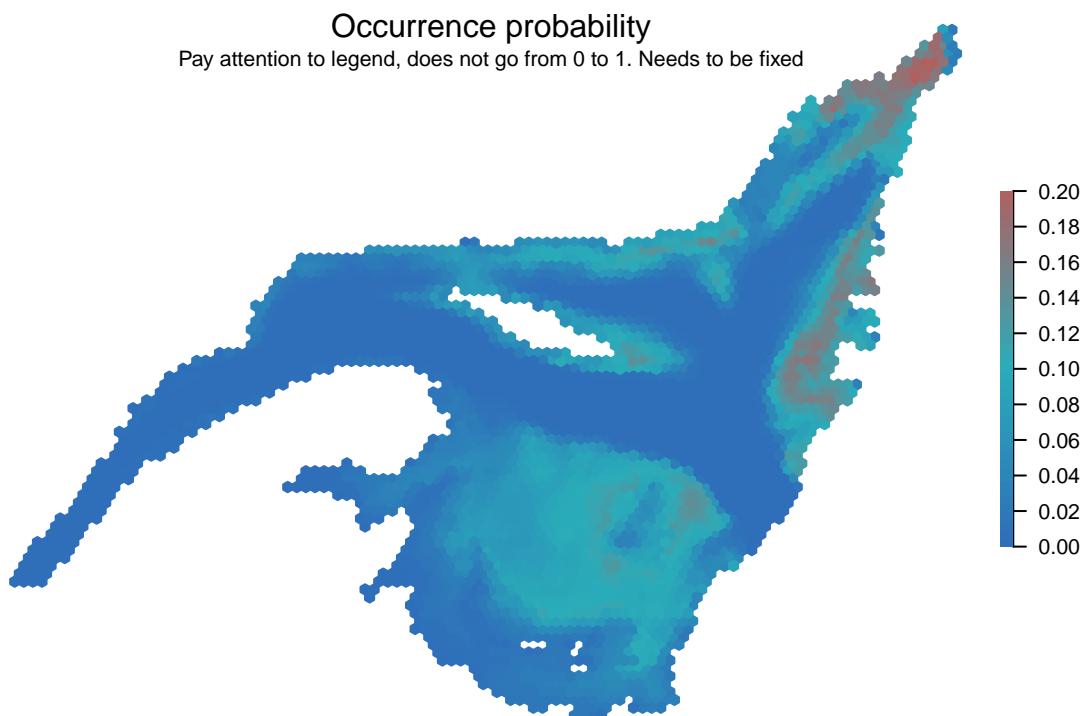
Taxa: *Eualus gaimardii*

Table 123: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-2.21	-2.54	-1.9	0
Prof	-0.75	-1.2	-0.3	51.99
SSAL_MEAN	0.29	-0.12	0.71	11.3
SalMoyMoy	0.27	-0.01	0.65	8.43
TempMoyMoy	-0.27	-0.56	0.03	9.73
STEMMEAN	0.01	-0.27	0.28	1.88
BTEMMEAN	-0.06	-0.37	0.27	2.81
O2_Sat_Mea	0.07	-0.2	0.35	2.96
LaDeTow	-0.11	-0.3	0.08	1.96
LoDeTow	0.21	-0.13	0.57	7.15

Tjur's R² : 0.19

AUC: 0.87 ± 0.04



Taxa: *Triglops* sp.

Table 124: Posterior summaries

Covariables	Mean parameter estimate	Lower 95% CI	Upper 95% CI	Proportion of variance explained (%)
Intercept	-1.41	-1.65	-1.21	0
Prof	-1.2	-1.53	-0.89	67.74
SSAL_MEAN	0.34	0.03	0.66	6.6
SalMoyMoy	-0.08	-0.35	0.09	0.91
TempMoyMoy	-0.39	-0.63	-0.14	8.26
STEMMEAN	-0.09	-0.36	0.15	1.19
BTEMMEAN	0.04	-0.22	0.31	0.91
O2_Sat_Mea	-0.13	-0.37	0.09	1.31
LaDeTow	-0.2	-0.36	-0.05	2.18
LoDeTow	0.34	0.03	0.65	6.4

Tjur's R² : 0.61

AUC: 0.95 ± 0.02

