

Figure S1. Model validation plots for a Binomial Generalized Linear Model of Hector’s dolphin occurrence. A) Distribution of deviance residuals, B) Cook’s Distance, C) Deviance residuals plotted against fitted values

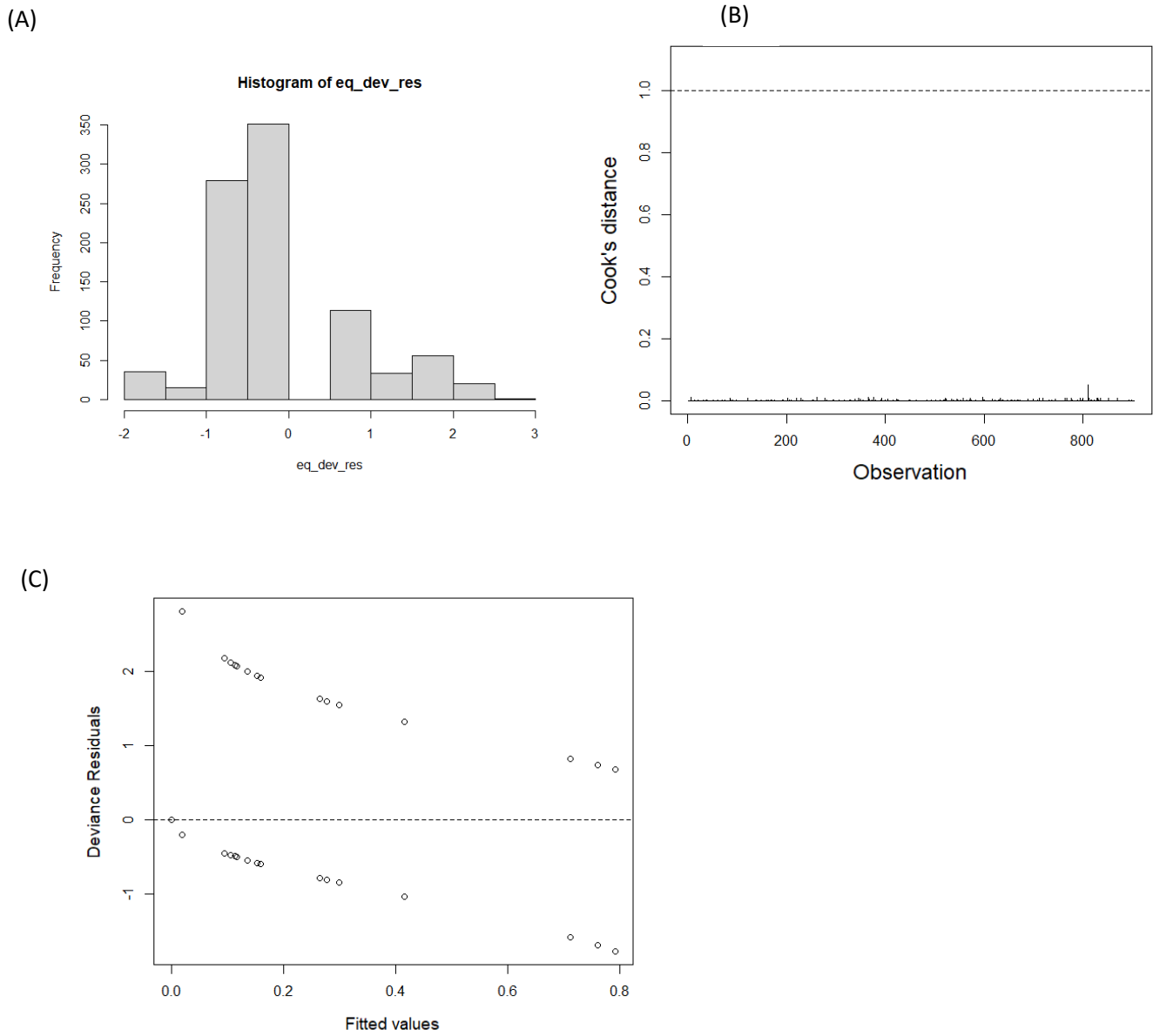


Table S1. Median values (min-max) of environmental variables retained in a final Generalized Additive Models of Hector’s dolphin occurrence for all Sectors excluding deep canyon Sectors 2 & 3 in the study site. Mean values (min-max) for SST and Chl a which is averaged over surveyed days only.

	Sector															
	1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Depth (m) pre quake	30 (3-213)	103 (13-303)	20 (2-159)	10 (1-20)	17 (0-158)	123 (0-346)	47 (0-225)	10 (4-18)	10 (1-14)	40 (2-60)	23 (19-40)	20 (20-24)	15 (2-24)	13 (0-19)	10 (4-15)	11 (0-23)
D-River (km)	3.9 (2.2-5.4)	5.0 (3.0-6.9)	5.1 (3.0-6.4)	3.1 (1.2-4.8)	1.7 (0-0.4)	4.9 (3.3-6.2)	2.4 (0.05-4.3)	1.4 (0.05-2.3)	2.3 (0.2-4.4)	7.2 (4.8-10.3)	8.7 (6.7-10.5)	4.8 (2.5-7.2)	1.5 (0-3.4)	3.9 (1.3-6.0)	7.4 (5.5-10.2)	9.6 (8.4-11.1)
SST (°C)	15.9 (12.3-19.4)	16.0 (11.9-19.6)	16.0 (11.9-19.6)	15.9 (11.9-19.6)	15.9 (11.9-19.6)	16.0 (12.1-19.6)	16.0 (12.2-19.5)	16.0 (12.3-19.4)	16.0 (12.3-19.4)	16.1 (12.2-19.5)	16.1 (12.3-19.5)	16.1 (12.2-19.6)	16.1 (12.2-19.6)	16.0 (12.3-19.6)	16.1 (12.3-19.6)	16.1 (12.3-19.6)
Chl a (log) (mg m⁻³)	0.41 (-0.82-2.16)	0.39 (-0.36-1.00)	0.62 (0.26-1.66)	0.58 (-0.26-1.65)	0.37 (-0.54-1.77)	0.5 (-0.56-3.32)	0.49 (-0.85-1.60)	0.85 (-0.60-3.06)	0.83 (-0.41-2.67)	0.36 (-0.08-0.71)	0.45 (-0.33-0.93)	0.52 (-0.10-1.10)	0.70 (-0.05-1.78)	0.72 (0.04-2.25)	0.64 (-0.03-1.81)	0.55 (-0.026-1.32)