

Table 1.

HAB Variable (Threshold)	Best-fit Logistic GLM - FULL $P_{\text{bloom}} = e^{(\text{logit})} / [e^{(\text{logit})} + 1]$	DF	AIC	POD	FAR	POFD	HSS	Optimized Probability Threshold	Nagelkerke's R^2
<i>Pseudo-nitzschia</i> (10^4 cells mL^{-1})	(i) logit = $17.0 - 6.18 \cdot [R_{rs} (510/555)] - 0.237 \cdot [\text{Si}(\text{OH})_4 : (\text{NO}_3 + \text{NO}_2)] - 0.482 \cdot \text{Month} - 0.225 \cdot [\text{Si}(\text{OH})_4 : \text{PO}_4] - 1266 \cdot [R_{rs} (510)]$	117	87.8	0.95	0.1	0.24	0.74	0.52	0.46
	(ii) Logit = $14.0 - 2.66 \cdot [R_{rs} (490/555)] - 0.725 \cdot [\text{Si}(\text{OH})_4 : \text{PO}_4] - 0.459 \cdot \text{Month} - 1698 \cdot [R_{rs} (412)]$	118	90.9	0.92	0.16	0.32	0.62	0.5	0.31
pDA (500 ng L^{-1})	logit = $-201 - 0.25 \cdot [\text{Chl}] + 1.19 \cdot [\text{Si}(\text{OH})_4 : (\text{NO}_3 + \text{NO}_2)] - 18.39 \cdot \text{NO}_2 - 0.85 \cdot [\text{Temp}] + 6.48 \cdot [\text{Sal}] - 0.399 \cdot [\text{NO}_3 + \text{NO}_2]$	147	152	0.79	0.45	0.28	0.45	0.61	0.27
cDA (10 pg cell^{-1})	logit = $10.7 - 0.618 \cdot [\text{Temp}] - 0.659 \cdot [\text{Si}(\text{OH})_4] - 767 \cdot [R_{rs} (510)]$	115	130	0.76	0.4	0.23	0.49	0.35	0.2