

Table 3. Description of covariates used in abundance analyses of the plane and shipboard data.

Abbreviation	Description	platform	Type	Values
beaufort	Beaufort sea state	both	continuous	0-6, in increments of 0.1
behavior	Activity the group was initially doing	both	factor	Low profile (such as, swimming, feeding, logging), Higher profile (such as, porpoising, charging, breaching)
cloud	Percent cloud cover	both	continuous	0-100, usually in increments of 10
cue	Feature of sighting that initially was detected	both	factor	Low profile (such as body or footprint), Higher profile (such as splash or blow)
glare	Severity of sun glare in the area where there is glare	both	continuous	0=none, 1=slight, 2=moderate, 3=severe
sighttime	Time of day sighting initially detected	both	continuous	6am-7pm, in decimal format (i.e., 3:30pm = 15.5)
size	Number of animals in the group	both	continuous	1-1000
species	Name of species, when multiple species are pooled	both	factor	Species name
subjective	Subjective overall average quality of the sighting conditions as determined by the observers	plane	continuous	1=excellent, 2=good, 3=moderate, 4=fair, and 5=poor
swellht	Approximate height of the swell (m)	ship	continuous	0-5 m
viz	Approximate farthest distance (m) that can be seen in front of the horizon, fog, or haze	ship	continuous	2000-16000 m