

Ordinal sampling covariates and associated code descriptions. Wind speed, cloud cover, and anthropogenic disturbance codes adapted from Weir and Mossman (2005).

Variable / code	Description
Wind Speed	
0	Calm (<1.6 km/hr)
1	Slight (1.6-4.8 km/hr)
2	Light breeze (4.9-11.3 km/hr)
3	Gentle breeze (11.4-19.3 km/hr)
Cloud Cover	
0	Clear or few clouds
1	Partly cloudy (scattered or variable)
2	Overcast
Precipitation	
0	None
1	Drizzle
2	Steady light rain
3	Showers affecting hearing ability (pause or discontinue surveys)
Moon brightness	
0	No moon or overcast
1	Quarter moon unobstructed or later phase mostly obstructed
2	Half-moon unobstructed or later phase partly obstructed
3	Three-quarter moon unobstructed or later phase slightly obstructed
4	Full moon, unobstructed
Anthropogenic disturbance	
0	No appreciable effect
1	Slightly affecting sampling (distant traffic or a single car passing)
2	Moderately affecting sampling (nearby traffic or 2-5 cars passing)
3	Seriously affecting sampling