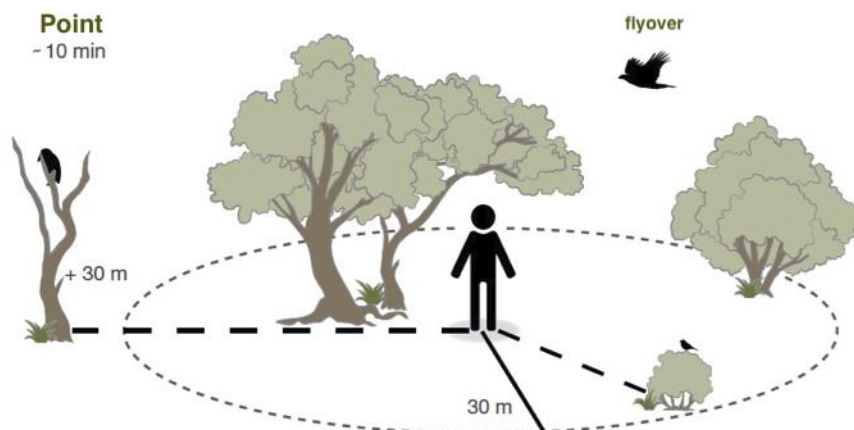


PROALAS Protocol

2-Band Point Count



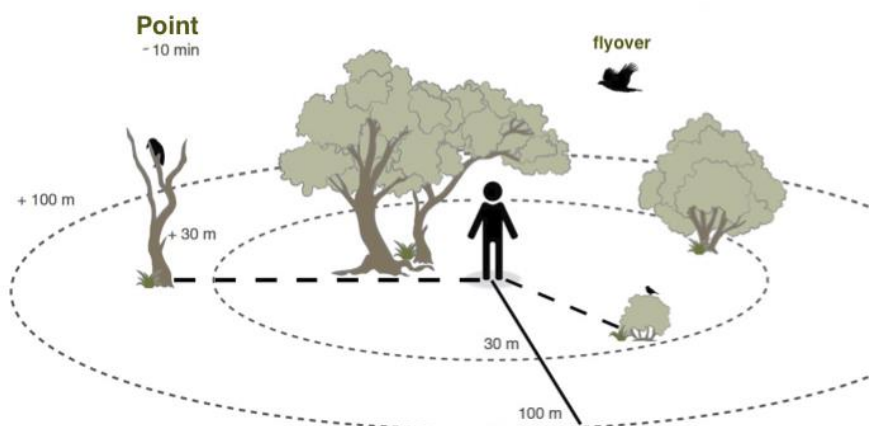
Closed/semi-open habitats
visibility < 100 meters

Common species
Evenly distributed species

Record species counts in:
0-30 meters
> 30 meters
Flyovers

10 minutes, 15+ if needed
(no maximum duration)

3-Band Point Count



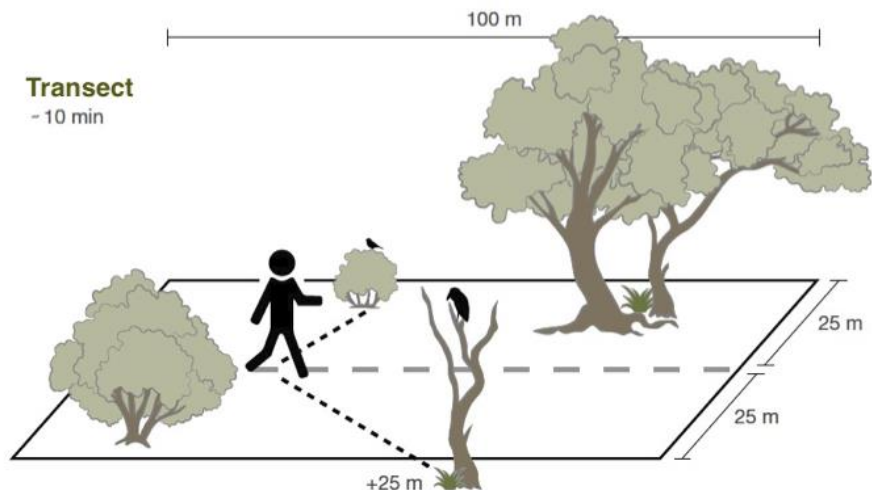
Open habitats
visibility > 100 meters

Common species
Evenly distributed species

Record species counts in:
0-30 meters
30-100 meters
> 100 meters
Flyovers

10 minutes, 15+ if needed
(no maximum duration)

Transect



Closed habitats
Thinly distributed species
Mixed flocks

Record species counts in:
0-25 meters
> 25 meters
Flyovers

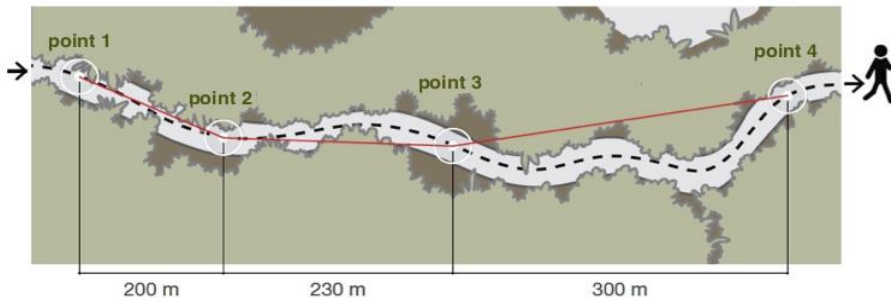
10 minutes, 15+ if needed
(no maximum duration)

PROALAS Protocol

Replicates:

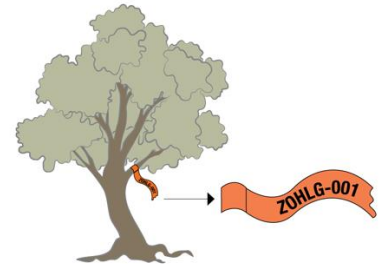


- **Back-to-back days:** A single person can visit each point for two mornings to obtain two replicates for each point.
- **Round-trip:** A person can visit each point two times on the same day (make the points back and forth) and produce two replicates for each point.
- **Simultaneous:** Two monitors can go to visit each point once (with a difference of at least 20 minutes between each one), producing two replicates for each point. In the case of three people, three replicates would be obtained, and so on. If each point is also visited back and forth, the number of replicates will double in a single morning



Example of count point placement, considering a minimum distance of 200 m. The dotted line route represents a winding road. The distance between count points can be variable as long as it meets a minimum of 200 m in a direct line.

- Record number of observers (~2)
- At least 2 replicates
- (~4-6 optimal over multiple days/times)
- Minimum 20 count locations / habitat
- Minimum of 10-mins, no max (~15 mins)
- Minimum distance 200 meters
- Count individual in band where first detected.



- Uniquely name each location.
- Set of counts
- Number of each count
- Record name, exact coordinates and location 'hints

Category	Minimum Distance	Preferred Distance
Distance between points	200 m	200 m
Distance to a path	100 m	200 m
Distance to a road	200 m	200 m
Abrupt vegetation change	50 m	100 m

Beaufort Wind Scale

Force No.	Description	Signs	KPH	MPH
0	Calm	Smoke rises vertically	0-2	0-1
1	Light air	Smoke drifts but no wind-vane movement	3-5	1-3
2	Slight breeze	Wind felt on face, leaves rustle	6-11	3-7
3	Gentle breeze	Leaves and small twigs in constant motion, wind extends a light flag	12-20	7-12
4	Moderate breeze	Dust, leaves and loose paper are raised, small tree branches move	21-29	12-18
5	Fresh breeze	Small trees in leaf begin to sway	30-39	18-24
6	Strong breeze	Large tree branches in motion, whistling in wires	40-50	24-31
7	High wind	Whole tree in motion, resistance felt walking against wind	51-61	31-38