

The causes of change in the size of a population

- interspecific competition
- intraspecific competition
- predation
- disease
- pollution

The equation for population size

- population size = $\frac{\text{number in 1st sample} \times \text{number in 2nd sample}}{\text{number in 2nd sample previously marked}}$

Quadrats

- can be used to investigate the abundance of species
- can be used on any suitable location to show the effect of different environmental factors
- involve line transects and random quadrat distribution
- The number/distribution of quadrats used should be enough to give valid results.

Assumptions made in capture/recapture techniques

- no death
- no immigration
- no emigration
- The marking technique does not affect the chances of survival.