



MASS**W**ILDLIFE

Wildlife Conservation



Learning Objectives

You will be able to:

- identify key components of wildlife habitat;
- describe how wildlife and habitat interact;
- and describe how carrying capacity, biological surplus, and limiting factors affect the size of a population.

Wildlife Conservation



Wildlife Conservation



Wildlife Conservation is the wise sustainable use of natural resources.

Wildlife Management



Wildlife Management



Wildlife Management uses **science** to manage wildlife **populations** and their **habitats** to achieve a goal.

Habitat

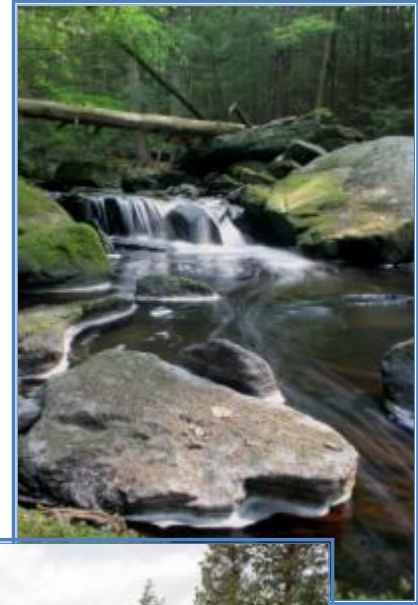
Habitat is a species' home address.

Habitat

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Food



Water



Cover



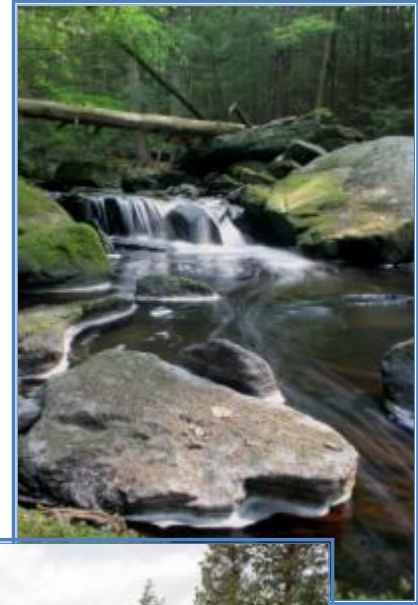
Space

Habitat

Habitat is a species' home address.



Food



Water

Arrangement



Cover



Space

Habitat Types

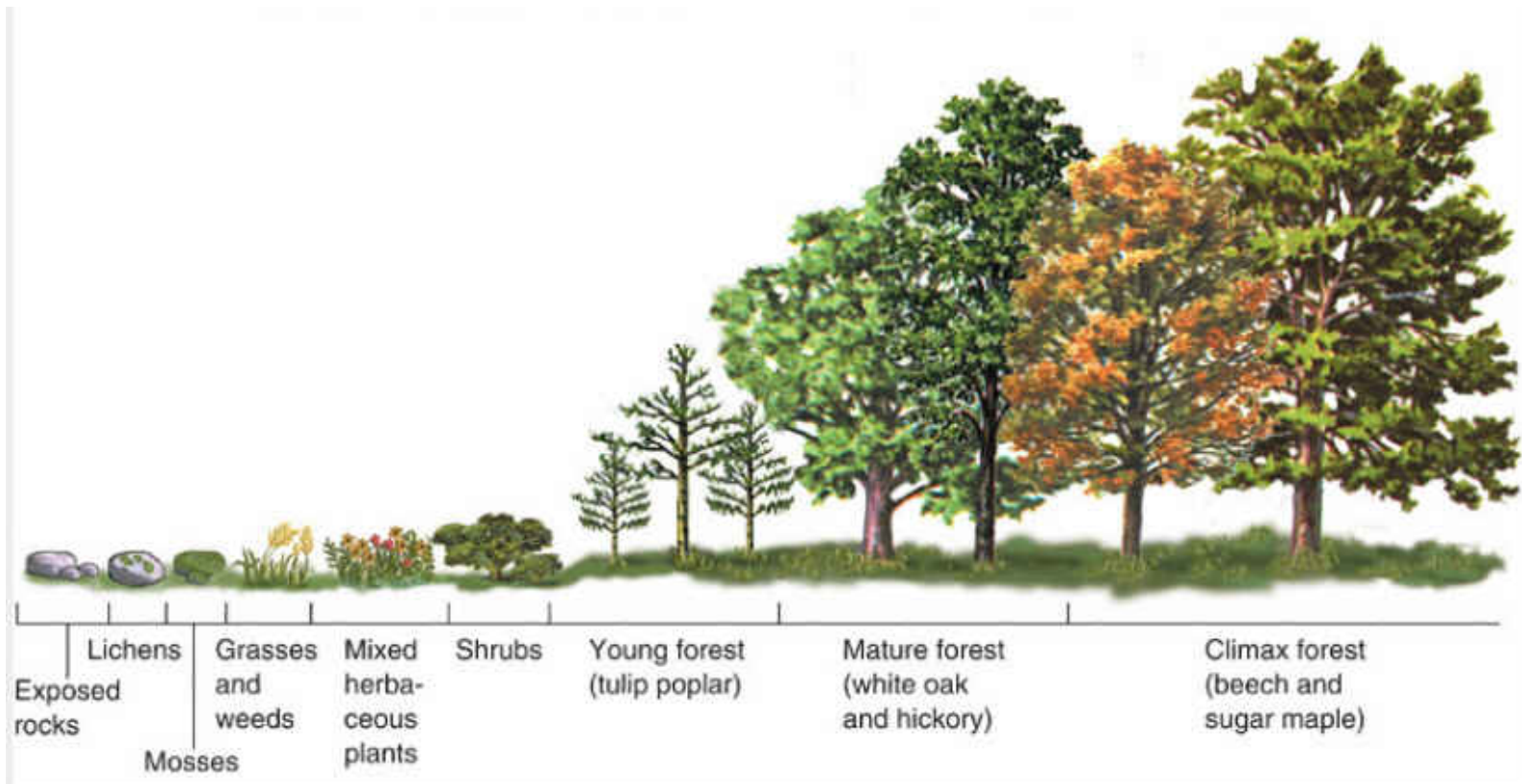


Wildlife Reproduction and Survival affected by Habitat

- better quality equals more resources
- more resources equals more reproduction and survival
- more resources also equals less crowding, thus less spread of disease

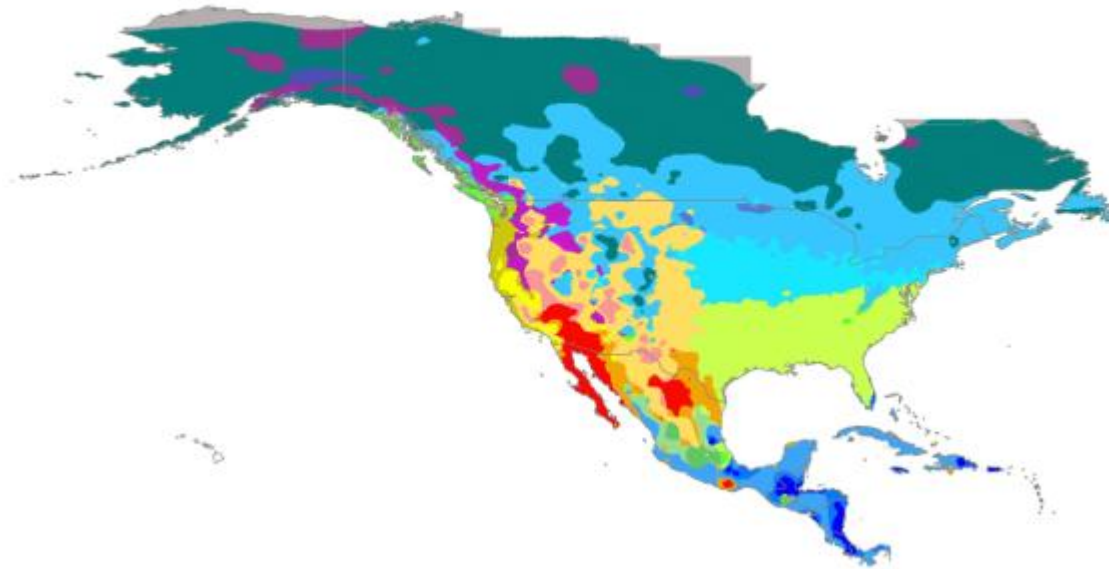
Habitat is always changing
Succession is the natural gradual change
of plant communities over time.

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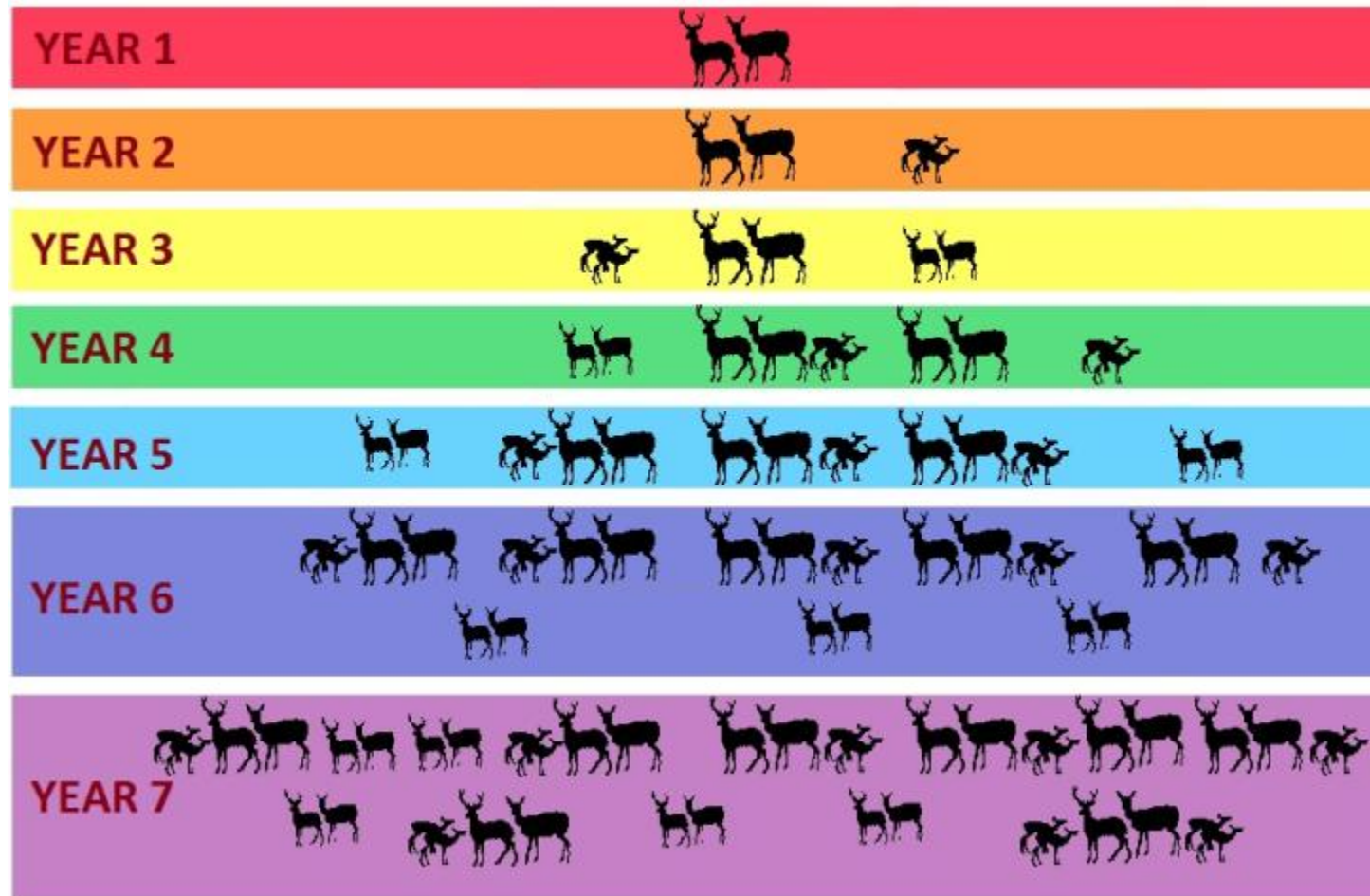


Wildlife Reproduction and Survival affected by Climate

- climate affects habitat
- climate affects species ranges



Wildlife Reproduction and Survival affected by Reproductive Potential



Carrying Capacity

Carrying Capacity is the amount of animals within a population that a given habitat can support throughout the year.



Limiting Factors

Limiting Factors are influences that slow or stop population growth.



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- extreme weather events
- predation
- disease
- competition

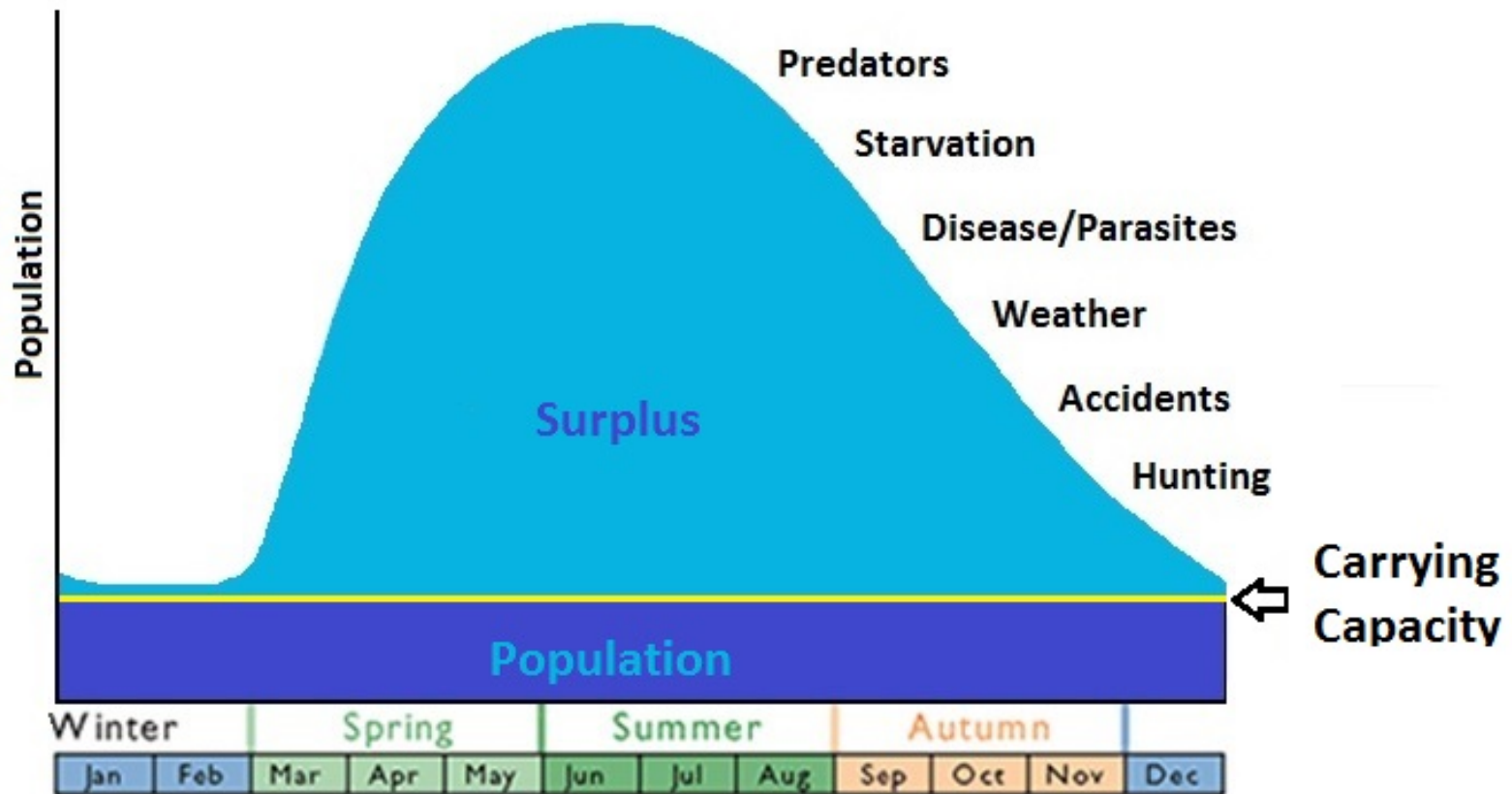


A Year in the Life of a Wildlife Species

Biological Surplus is the amount of animals in a given population that are "above" the carrying capacity.

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Hunting as a Management Tool



Summary

- **What are the four components of habitat?**
- **What is the definition of carrying capacity?**
- **What is it called when a habitat changes through a natural gradual process?**