

# Biology

## A Seral Community

Created: Wednesday, 29 June 2011 06:38 | Published: Wednesday, 29 June 2011 06:38 | Written by [Super User](#) | [Print](#)

The ecosystem moves towards the [climax community](#). A seral community is an intermediate stage in an ecosystem. Before attaining the climax community sometimes more than one seral stage can also evolve.

Depending on the substratum and climate, a seral community can be classified into water community, rock community, sand community, dry area community & saline body community. This can be termed biologically as [Hydrosere](#), [Lithosere](#), [Psammosere](#), [Xerosere](#), and [Halosere](#) respectively.

## Hydrosere

It is a [plant succession](#) occurs in a [freshwater lake](#). If the water dried up it becomes the [woodland](#). Because of this change the land types will succeed each other.



Mute Swan - Hydrosere Community

The Loch a' Mhuilinn lake is located in the [Isle of Arran, Scotland](#). The lake exhibits characteristic features of a hydrosere, the succession from a fresh water surface with small [pioneer plant species](#) to a sub-climax vegetation of alder and [willow](#). Because of clearing grazing land by [human](#) activities and by [red deer](#) and [rabbits](#), the climax vegetation of oak and Thomas [beech](#) woodland has not been achieved.



Loch a' Mhuilín Lake

## Lithosphere

It is a [plantsuccession](#) that begins life on a newly exposed [rock](#) surface. Once the [Laki](#) and [Katla](#) fissures erupted, the [lava fields](#) of [Eldgjá](#) in [Iceland](#) began to form a lithosere.

## Psammosere

An [ecological succession](#) began life on newly exposed coastal sand. Example: sand [dune](#) systems

## Xerosere

It is limited by water availability with xerarch succession of ecological communities originated in extremely dry situation. Example: sand [deserts](#), sand dunes etc.

## Halosere

The [succession](#) occurs in a saline environment. Example: [salt marsh](#)

Note: A xerosere may include [lithoseres](#) and [psammoseres](#)

# Climax Community

It is a biological [community](#) of [plants](#) and [animals](#) through the process of [ecological succession](#)

Want to know more about seral communities? [Click here](#) to schedule live online session with e Tutor!

## About eAge Tutoring:

[eAgeTutor.com](#) is the premium online tutoring provider. Using materials developed by highly qualified educators and leading content developers, a team of top-notch software experts, and a group of passionate educators, eAgeTutor works to ensure the success and satisfaction of all of its students.

[Contact us](#) today to learn more about our tutoring programs and discuss how we can help make the dreams of the student in your life come true!

## Reference Links:

- [http://en.wikipedia.org/wiki/Ecological\\_succession](http://en.wikipedia.org/wiki/Ecological_succession)
- [http://en.wikipedia.org/wiki/Seral\\_community](http://en.wikipedia.org/wiki/Seral_community)
- [http://en.wikipedia.org/wiki/Climax\\_community](http://en.wikipedia.org/wiki/Climax_community)

Category:ROOT / [Biology](#)

[Joomla SEF URLs by Artio](#)