

Biology

A Seral Community

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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!

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Reference Links:

- http://en.wikipedia.org/wiki/Ecological_succession
- http://en.wikipedia.org/wiki/Seral_community
- http://en.wikipedia.org/wiki/Climax_community

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