LIMNOLOGY 12 Prof. Dr. Nilsun Demir

Potamology (The study of rivers)

• A **river** is a natural flowing water usually freswater in a channel, flowing towards a sea or a lake, or another river.

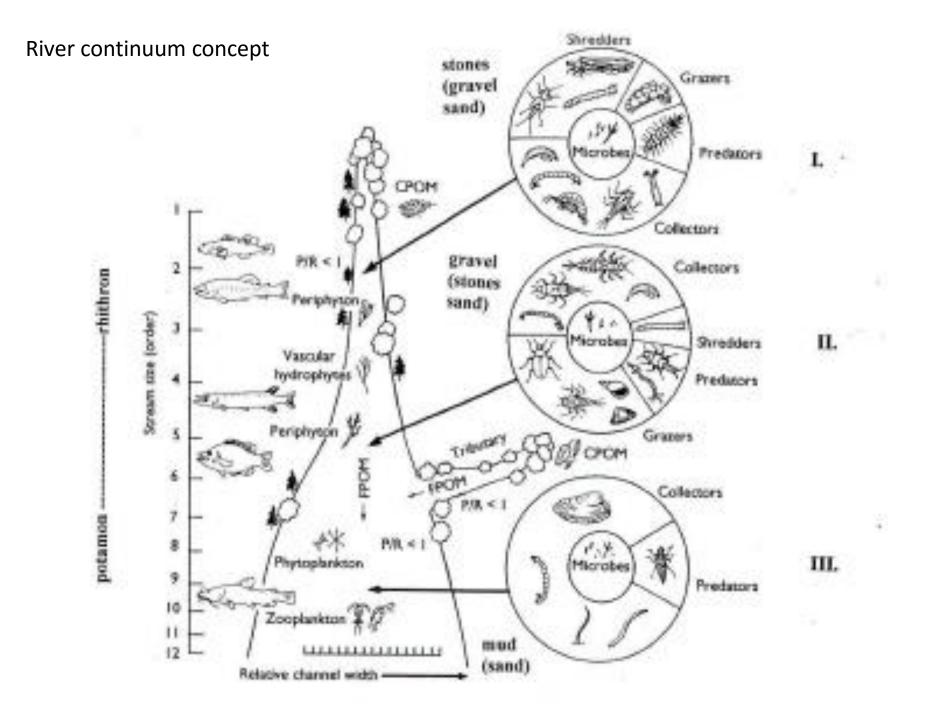
River Sources (headwaters)

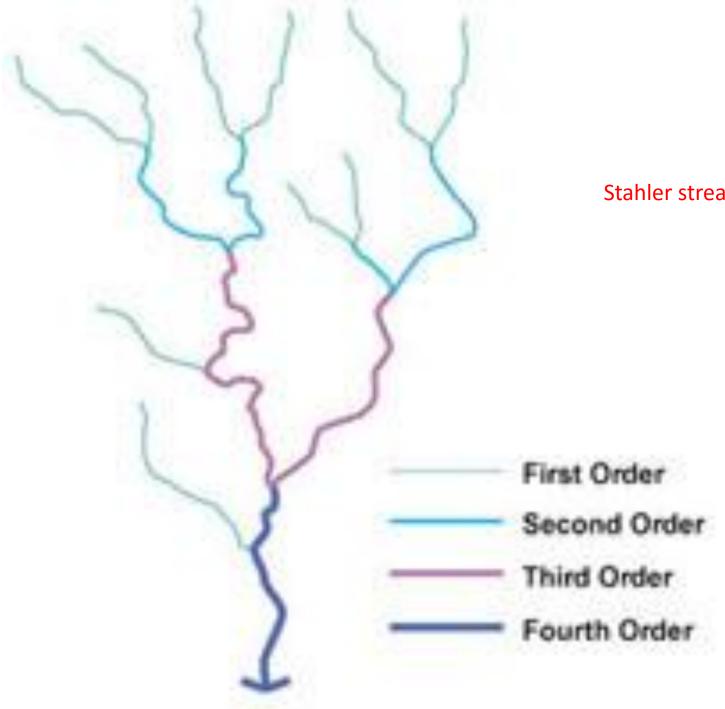
- Sometimes the source of the most remote tributary may be in an area that is more marsh-like source.
- The furthest stream is also often called the headstream. Headwaters are often small streams with cool waters because of shade and recently melted ice or snow. They may also be glacial headwaters, waters formed by the melting of ice
- Headwater areas are the upstream areas of a watershed, as opposed to the outflow or discharge of a watershed.



The zonation of rivers

- **Epipotamon (**The *crenon* is the uppermost zone at the source of the river) These areas have low temperatures, reduced oxygen content and slow moving water.
- **Mezopotamon** (The *rhithron* is the upstream portion of the river that follows the crenon. It has relatively cool temperatures, high oxygen levels, and fast, turbulent, swift flow)
- Hipopotamon The reach of a lake or sea (The *potamon* is the remaining downstream stretch of river. It has warmer temperatures, lower oxygen levels, slow flow and sandier bottoms)





Stahler stream order