#### READINGS / REFERENCES

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#### **Course Contents**

- 1. Fluvial System
- 2. Flow mechanics
- 3. Longitudinal Profile
- 4. Erosional processes
- 5. Sediment transport
- 6. Channel morphology
- 7. Floodplains

8. Terracess

# **Processes**

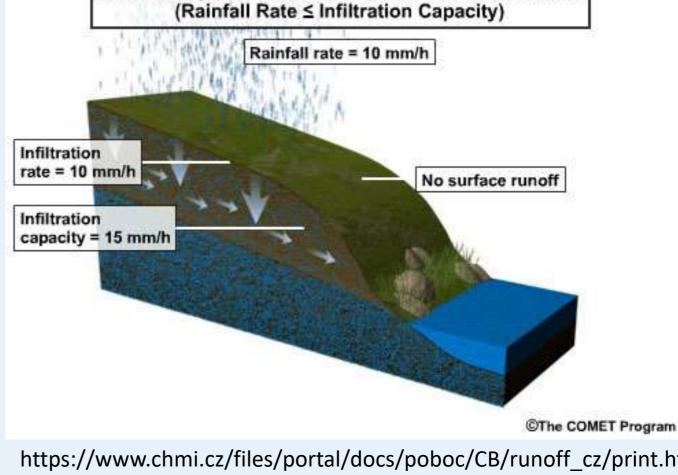
# Morphology

### Fluvial (River) System

Runoff (overland flow)

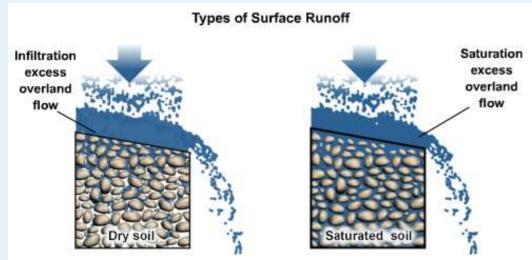
In river systems, climate, geology, vegetation cover and topography are some of the control factors.

Infiltration capacity is also a very **important factor.** Because runoff occurs when there is more water than land can absorb.



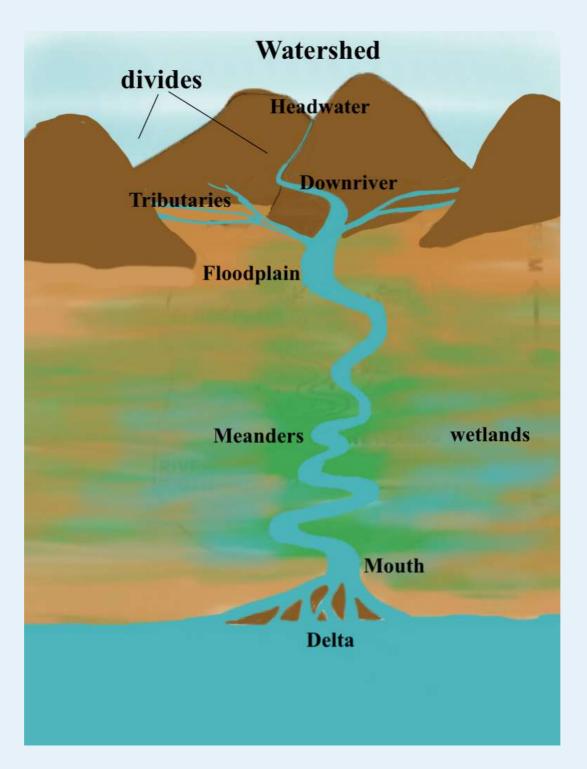
Relationship between Rainfall, Infiltration, and Runoff

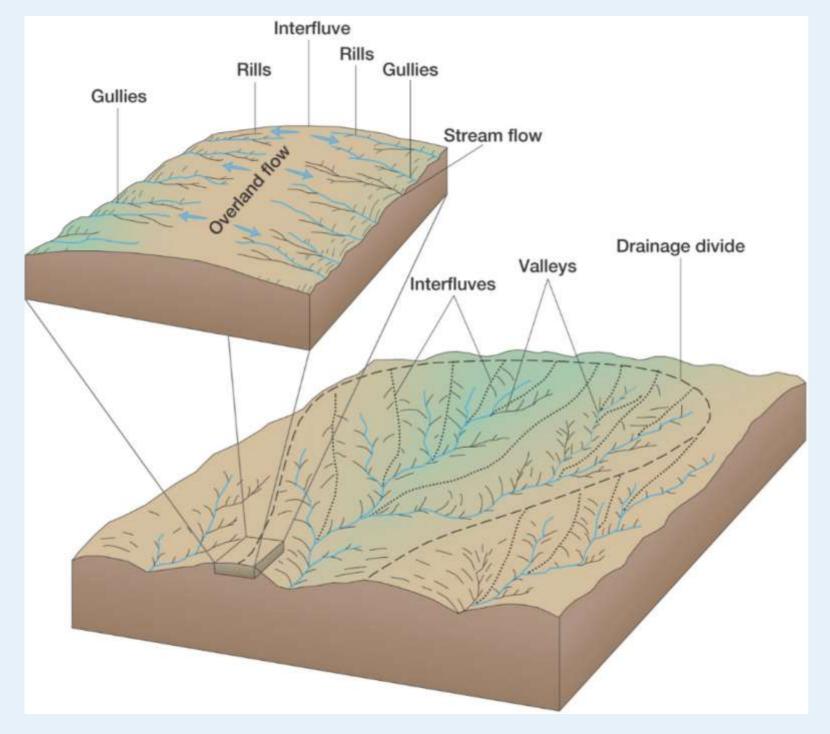
https://www.chmi.cz/files/portal/docs/poboc/CB/runoff\_cz/print.htm



Overland flow also occurs when rain falls on saturated areas.

## Fluvial-River System

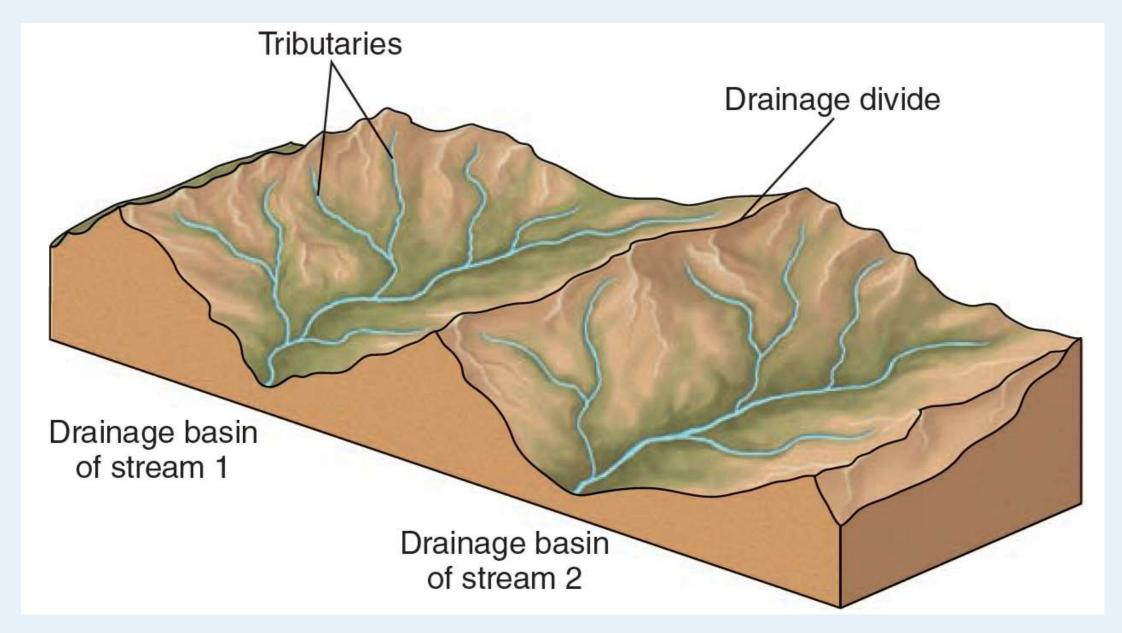




https://earthsurface.readthedocs.io/en/latest/\_images/drainagebasin.png



The drainage basin is the land surface drained by a stream system; an interfluve is a divide, an area of higher land that separates one valley from the next (within a drainage basin); a drainage divide (watershed) is an interfluve that separates two drainage basins.



https://worldrivers.net/2020/03/25/drainage-basins/



https://ian.umces.edu/blog/lower-mississippi-river-environmental-literacy/

#### TÜRKİYE HAVZA SINIRLARI



https://drive.google.com/drive/folders/1fXKqJHE3nfMmqmJzjkC2IE9-E9wjoT95?fbclid=IwAR2SUWmBnoxDo9j\_nVid1JEQGd9v0Mj98AhCQILpNxSXaRMqIQDSJ2fydrs