



Orange-Senqu River Awareness Kit

The River Basin →

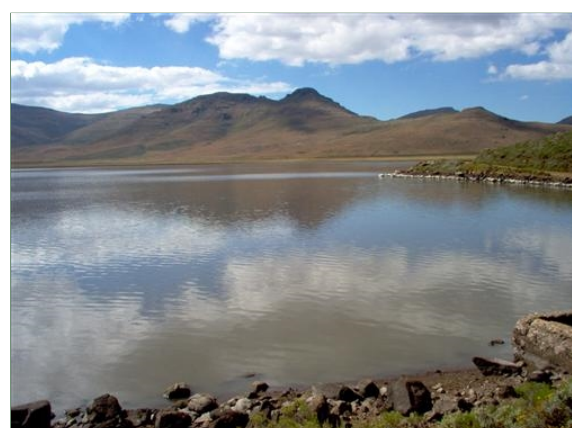
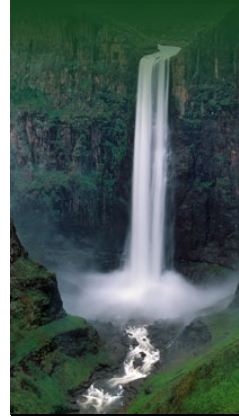
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Hydrology: **Principles of Hydrology**

The principles of hydrology deal with physical hydrology, also referred to as environmental hydrology (Ward and Robinson 2000). Water is studied through hydrology as an element of the landscape and how it interacts with its environment. Its abundance and its quality are all measured scientifically.

The science of hydrology examines water in the smallest streams, in lakes, reservoirs, aquifers and as a united system at the catchment level. This section examines some of the science associated with hydrology in:

- [Stream Order](#)
- [Lakes and Reservoirs](#)
- [Flooding](#)



Lets'eng la Letsie in Lesotho is a Ramsar designated wetland associated with a 1m deep man-made lake, which is surrounded by vegetation types that demonstrate high biodiversity and endemism.
 Source: Lesotho Water Commission 2003
 (click to enlarge)

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Interactive

Basin Map

Explore the sub-basins of the Orange-Senqu River

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Video Tour

Tour video scenes along the Orange-Senqu River related to the River Basin

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Geography Maps

Investigate land cover and terrestrial ecoregions in the basin

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Water Cycle

Examine how the hydrologic cycle moves water through and around the earth

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Food Web

Explore the interactions of living organisms in aquatic environments

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