

Projet de Fin d'Etudes

Adaptation of a Freshwater Ecosystem zonation as a baseline for bioindication



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An hydro ecoregion system allow the grouping of environments with the same characteristics based on geography while including geology and altitude.

Hydro ecoregion was established with the aim of defining a biological, physicochemical, and hydro morphological reference framework. Their role is to serve as a plan for conservation representing natural communities before they have been altered by humans and providing a structure for eventual restoration.

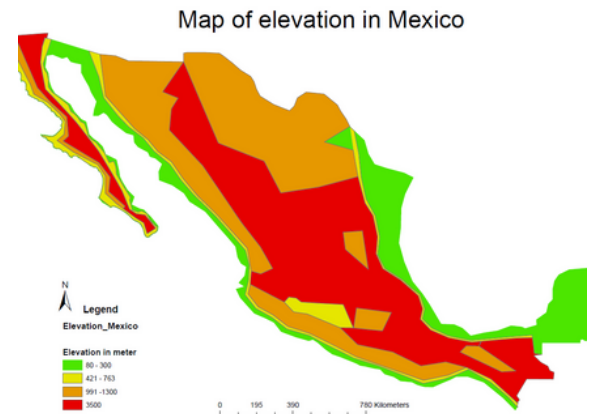
The different criteria defining hydro-ecoregion



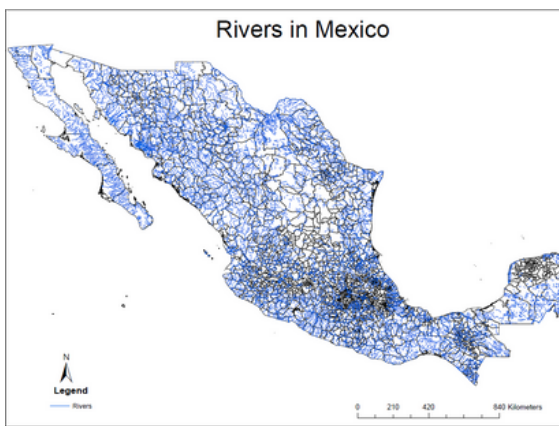
www.carte-du-monde.



(« Carte climat Mexique, Carte des climats et météo du Mexique » s. d.)

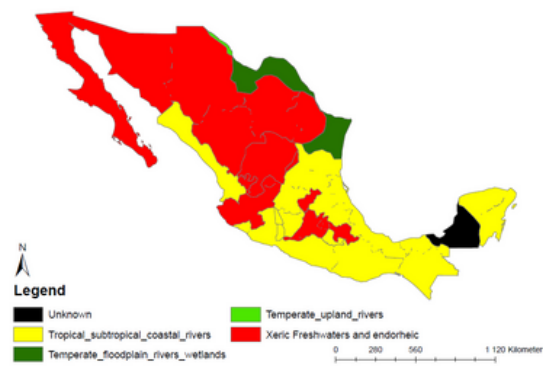


Source: Lorène Mfundu Kondi



Source: Lorène Mfundu Kondi

The different types of habitats in Mexico



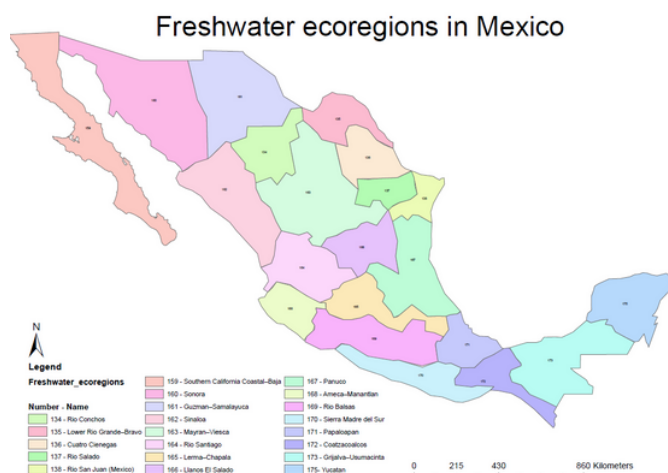
Source: Lorène Mfundu Kondi

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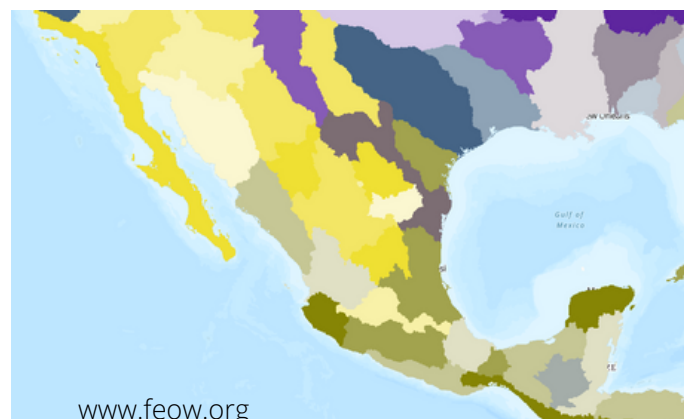
Geography
Climate
Elevation
Habitats

Different representation of hydro ecoregions in Mexico

Several hydro ecoregion classifications exist for Mexico, however the accuracy of the data is not exhaustive. The map of ecoregion of Mexico is still changing through the years until the data base will be more significative



Source: Lorène Mfundu Kondi



www.feow.org



Source: Lorène Mfundu Kondi

Based on the distribution and composition of freshwater fish species (2005)

Ecoregion delineations were based on qualitative similarity/dissimilarity assessments of major basins, using the standard administrative hydrographical regions of the Mexican federal government (2008)

CONAGUA, the Commision Nacional del Agua has divide Mexico into 37 HER in 2016