

WETLAND

"Wetlands are areas where water covers the soil, or is present either at or near the surface of the soil all year or for varying periods of time during the year, including during the growing season. Water saturation largely determines how the soil develops and the types of plant and animal communities living in and on the soil. Wetlands may support both aquatic and terrestrial species. The prolonged presence of water creates conditions that favor the growth of specially adapted plants and promote the development of characteristic wetlands soils."

-- EPA, America's Wetlands: Our Vital Link Between Land and Water

Originators:

IEP inc

University of Rhode Island Environmental Data Center

Purpose:

Natural resource inventory and land use planning

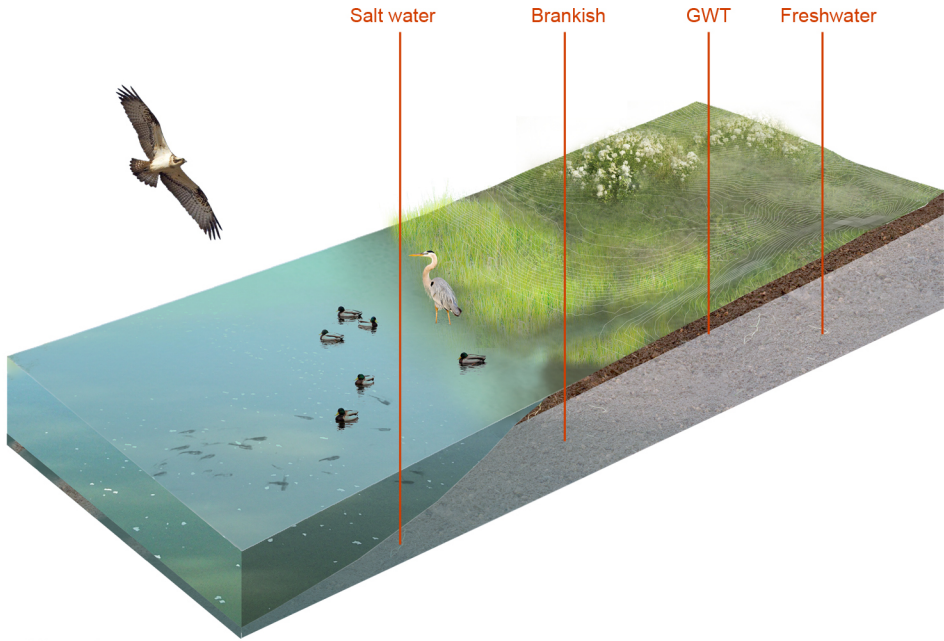
How:

Wetlands as interpreted from 1988 aerial photography to one quarter acre polygon resolution by Cowardin 16 classification scheme.

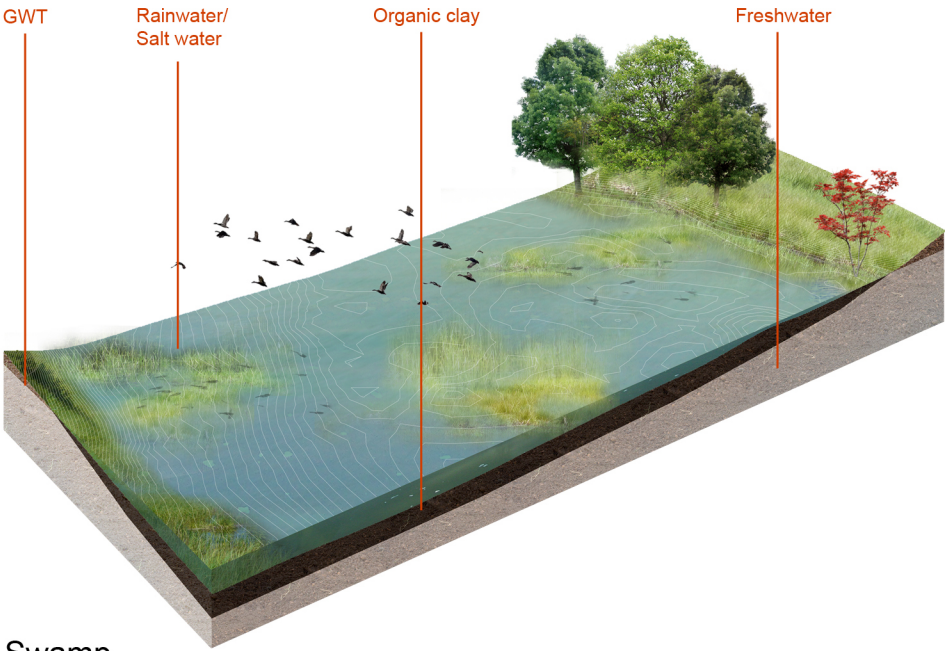
Limitations:

The map was published in 1993, so the one problem is that the existing area of wetlands could be altered with time. And I found some wetland areas where near to the providence already disappeared from today's map. Therefore, it could be better if originators update the data information timely. On the other hand, the classification of the wetland is different to the sources I looked up online. Because the different ways to describe a term, sometime it is not easy for us to find out the most positive content in the GIS.

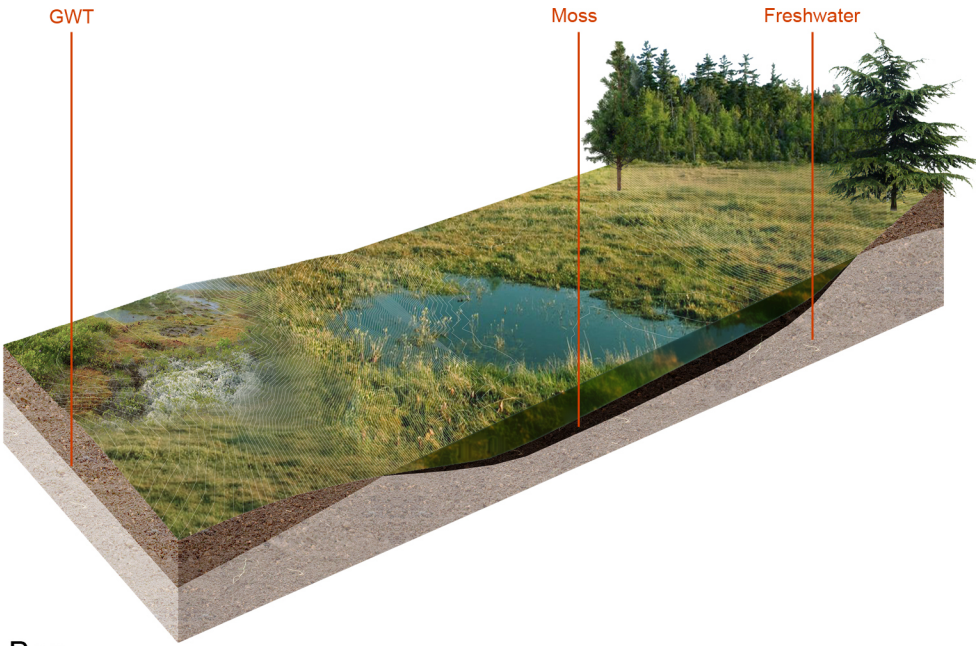
RI Wetland Main Type



Marsh



Swamp



Bog

