

# Wetlands

# Water Cycle Video

<http://pmm.nasa.gov/education/videos/tour-water-cycle>

<https://www.youtube.com/watch?v=9pqh6tIEOhs>

# Vocabulary

wetland



# Vocabulary

garbage



# Vocabulary

native species



# Vocabulary

Harmful



## *What is a wetland?*

- **Wetland:** the area between land and water made up of wet soils
- Two types:
  - Riparian
  - Interstream divide

# Wetlands Photos

<http://www.terragalleria.com/pictures-subjects/wetlands/>

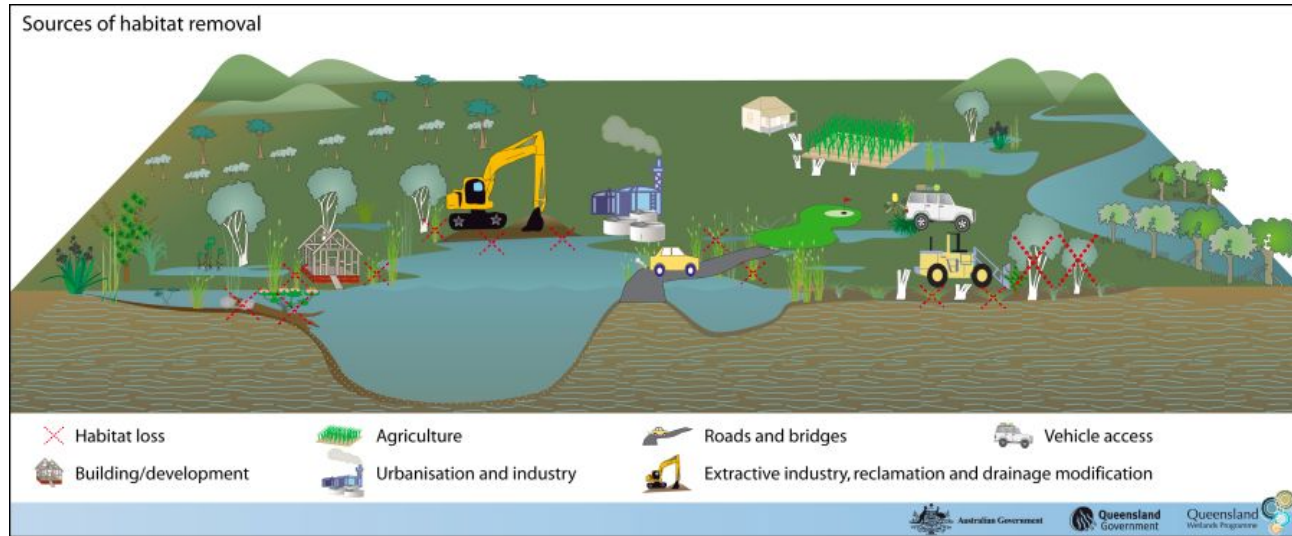


## *How do wetlands benefit water quality?*

- Wetlands reduce the amount of harmful substances that enter a stream by acting like a strainer (actuando como un colador), filtering out the bad stuff

# *What happens when we remove wetlands?*

- The **removal** (eliminación) of wetlands has resulted in the **degradation** (degradación) of water quality in NC



## *How have the wetlands of NC changed?*

7 million acres of wetlands once existed in NC

There are now only 4.3 million acres

$$7 \text{ mil} - 4.3 \text{ mil} = 2.7 \text{ mil}$$

$$2.7 \text{ mil} / 7 \text{ mil} = 39\%$$

$$7 \text{ mil} \times 0.61 = 4.3 \text{ mil}$$

# Ecosystem Services that Wetlands Provide

- 1) Reduce erosion on bodies of water (reducir la erosión en los cuerpos de agua)
- 2) Prevent floods by storing water. (Prevenir las inundaciones mediante el almacenamiento de agua.)
- 3) Replenish groundwater supplies. (Reponer los suministros de agua subterránea.)
- 4) Provide a habitat to wildlife. (Proporcionar un hábitat para la vida silvestre.)

*How can students improve wetland water quality?*

- <http://www.youtube.com/watch?v=O53HUdHxpcc>
- Removing garbage and planting native species