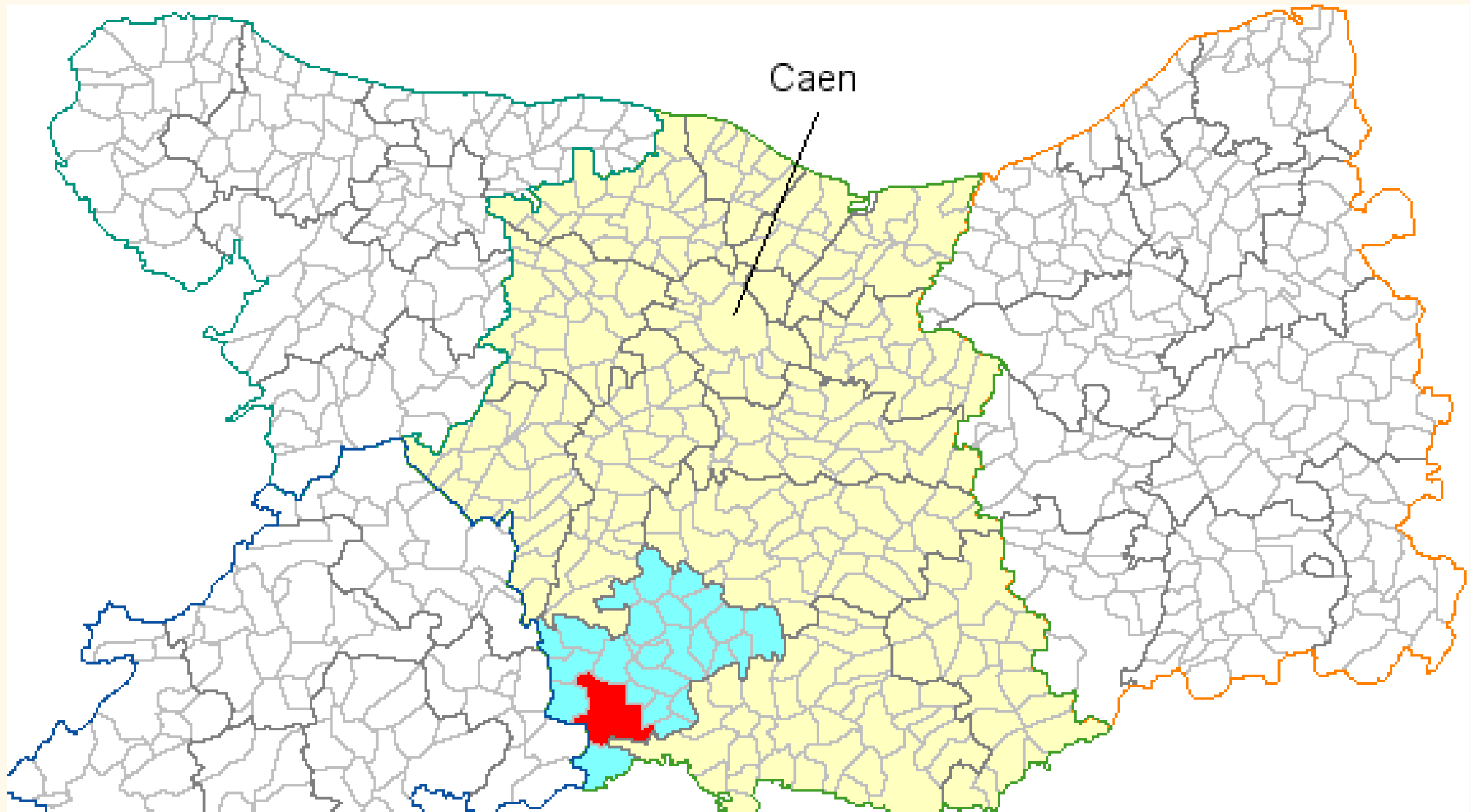


# Wetlands closing in

**Causes, consequences and  
restoration actions**

Noa, Nolan,  
Ouentin(Vire)





Causes of closure in Normandy  
abandonment of extensive grazing and mowing  
Changes to the water regime (drainage,  
damming)  
Excessive nutrient inputs (eutrophication)  
Effects of climate change

# What is a closing wetland?

- Gradual disappearance of open habitats  
Installation of shrubs and trees (willows, alders,  
etc.)
- Decrease in light and habitat diversity

## Role of agricultural practices

Grazing and mowing kept the environment open.

Less extensive livestock farming today.

Consequence: colonisation by woody plants.

# Wetlands concerned in Normandy

Marais Vernier (Eure)

Marais de la Dives (Calvados)

Baie des Veys (Manche / Calvados)

Vallées de la Seine, de l'Orne et de la Touques

# Environmental impact

## Loss of biodiversity

Disappearance of birds from open habitats

Decline in rare amphibians and plants

Less water storage and natural purification

# Actions to restore wetlands :

Hydraulic restoration (re-flooding)

Targeted brush clearing

Return to extensive grazing

# Protection stakeholders

Nature conservation organisations

Regional nature parks

Water agencies

Local authorities



**Moïse arrête  
tes conneries**



