

Mission 1:

Local fishermen are complaining about fish kills in several parts of the Hudson River. In previous years, there used to be plenty of fish, particularly around the edges of wetlands. Design a wetland that will provide both habitat and good living conditions for fish.

Mission 2:

Local homeowners are upset due to a recent increase in flooding and related erosion. They are worried that their homes will be destroyed. The government is concerned about the cost of flood damage and is looking for a way to reduce flooding. Your mission is to design and build a wetland that will help reduce flooding and erosion in this area.

Mission 3:

There have been several parts of the Hudson River in the past few months where algal blooms have caused concern, likely due to several large farms that run along the waterfront. Additionally, there are dozens of combined sewage overflow pipes that discharge wastewater directly into the Hudson River during storms. Design a wetland that will help reduce the impact of these two problems.

Mission 4:

Your team has been hired to design and build a wetland that will increase the biodiversity of the region. Remember to consider whether or not to include invasive species.