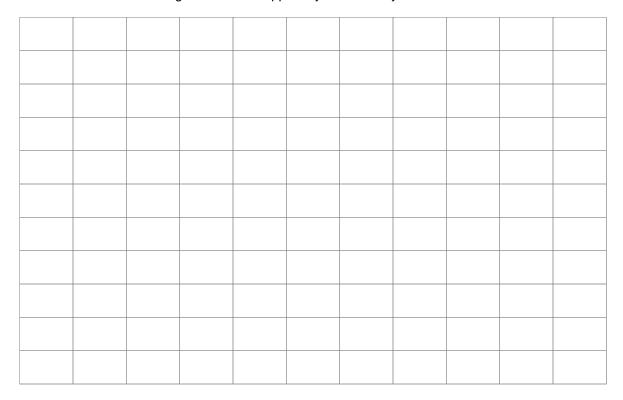
## **Oyster Farm Nitrogen Removal Worksheet**

## Part A: Hand-Drawn Graph

- 1. Record your farm's nitrogen removal results at 1 year, 10 years, and 20 years from the NOAA calculator.
- 2. Use the blank graph below to plot your data points.
- 3. Connect the points with a line and label axes and units.
- 4. Add a second line showing what would happen if you doubled your farm size.



## **Reflection Questions**

- How does your graph's slope reflect your farm's ability to remove nitrogen?
- If you doubled your farm size, how would the line change?

## Part B: Spreadsheet Graph (Digital Option)

- 1. Open a blank spreadsheet (Excel or Google Sheets).
- 2. In Column A, enter Years: 1, 10, 20.
- 3. In Column B, enter your farm's nitrogen removal values.
- 4. Highlight the data  $\rightarrow$  Insert  $\rightarrow$  Chart  $\rightarrow$  Select **Line Graph**.
- 5. Add a chart title and axis labels.

Extension: Combine multiple groups' results to compare farm designs.