

# Sewage Pollution Analysis

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1. What is the concentration of nitrogen in the coastal area closest to where you live?
  - Around 10,000,000 grams of nitrogen in the bay, and 100,000 grams in the coastal areas
2. Can you find any places that receive 100,000,000 grams of nitrogen per year? What about 1,000,000,000 grams?
  - There are a good amount of areas that receive 100,000,000 grams or more, usually next to major coastal cities; however, few areas with 1 billion or more grams exist, mostly on the coastal areas of China
3. What do you notice about the places that light up?
  - The brightest areas generally correspond to the most population-dense cities, such as Moscow, Los Angeles, or northern Germany
4. Some areas are hotspots for coral wastewater impact. These have lots of red dots clustered together. Where are these areas? What do they have in common?
  - The most red dots occur in coastal locations next to the most population-dense countries, like Brazil, India, and areas in southeast Asia
5. Where are corals less likely to experience risks from nitrogen?
  - It seems like the least affected corals occur in open water, away from any smaller water corridors, like the Suez Canal, or island-dense area, like the Caribbean
6. What are hotspots for seagrass wastewater impact?
  - Like corals, it seems like seagrass beds are most affected in coastal areas next to dense cities, like New York, southeastern China, and southern France/eastern Spain
7. Where is seagrass less likely to experience risks from nitrogen?
  - Seagrass beds seem to be least affected in island areas, like near New Zealand, Australia, or the UK