

Possible Answers:

- PS:
- Oil Spills, pipe leaks, sewage leaks, waste from a factory, thermal pollution
- · NPS:
- Excess fertilizers, herbicides and insecticides from agricultural lands and residential areas
- Oil, grease and toxic chemicals from urban runoff and energy production
- Sediment from improperly managed construction sites, crop and forest lands, and eroding streambanks
- Salt from irrigation practices and acid drainage from abandoned mines
- Bacteria and nutrients from livestock, pet wastes and faulty septic systems

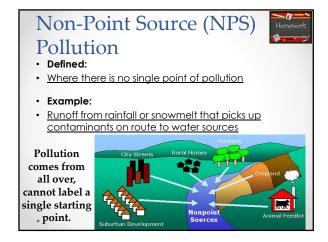
Point Source & Non-Point
Source Pollution
February 11, 2015

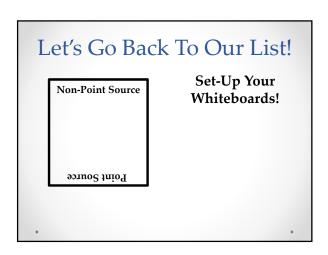
Point Source Pollution

Defined:
Any single identifiable source of pollution from which pollutants are discharged

Examples:
Pipe leak, oil spill, waste from a factory

You can label the exact "point" of the problem!







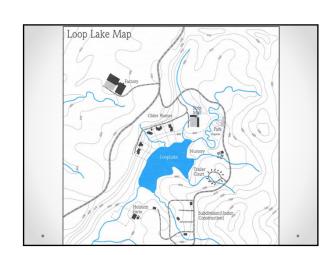


Fertilizers/Nutrients • Excessive nutrients can be the result of: • Improper disposal of human/pet waste • Runoff from farmlands, lawns or gardens • When it rains, excess fertilizers can run into streams and storm drains • Applying fertilizer in the minimum amount necessary, or fertilizing with compost from

recycled animal waste help control nutrient levels



Today's Lab! • The Problem: • Determine the cause of the pollution at Loop Lake and decide whether it is from a point or non-point source • Directions: • Part 1: Use the expo marker to draw on your map • Part 2: Read the story in your baskets • Part 3: Graph "Water Quality Data" on your page • Part 4: Write and share your conclusions with your group • Turn In at the End of Class!



Demonstration of NPS

 How does this demonstration illustrate non-point source solution?

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Helpful Reminders

- Tomorrow we are in the computer lab.
- Did you turn in your biotic index card lab?
- Don't forget that Homework 3 and Test Corrections are due tomorrow