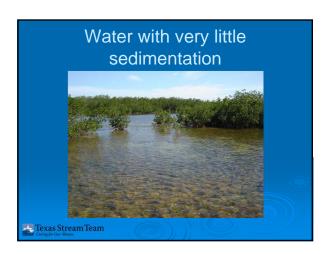
### Sedimentation Lesson 1: "Dirty" Water Texas Stream Team What will we study in this unit? ➤ Dirt (soil) in water > Soil in the water is an important nonpoint source of pollution Texas Stream Team It's time for a demonstration > In front of you, you have two containers > How should you label these containers? Texas Stream Team

#### What is sedimentation?

- Sediment is the dirt (soil) that goes into water and eventually settles down
- > Sedimentation is the process of the soil going into the water
- Total Suspended Solids is how sediment is measured while suspended in water

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# What does sediment in water look like?



#### Let's look back at the water containers:

- > It is clear which container is "dirty" with soil
- > Do we know for sure that the clear container has no pollution?

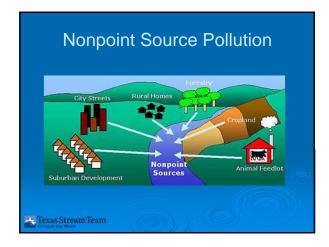
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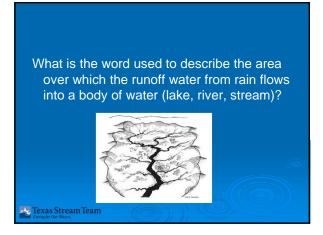
#### Water Pollution

- > Pollution is anything in the water that is harmful to life
- > Water pollution can come from different sources:
  - Point source
  - Nonpoint source

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## Watershed All land is in a watershed of some body of water (stream, river, lake, ocean) A watershed is the area of land whose runoff water feeds a specific body of water Are we in a watershed?

#### Sedimentation in a watershed

- > Particulate matter (sediment) gets into the water from soils in the watershed
- > There are many sources of sediment, and therefore it is a nonpoint source

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#### Important terms:

- > Sediment
- > Sedimentation
- > Pollution
- > Nonpoint source pollution
- > Point source pollution
- > Watershed

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