Sedimentation

Lesson Four:
Sedimentation as Nonpoint
Source Pollution

Texas Stream Team

Let's review what we have observed so far

- > Dirty water and sedimentation
- Different types of soil are classified by particle size, amount of organic matter and mineral type
- > Soils are part of the rock cycle that results from weathering
- Smaller particles of soil in water settle out more slowly than larger particles. Some are so small that they remain suspended in water

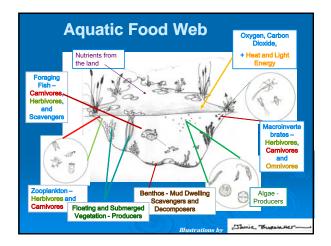
Texas Streem Team

Sedimentation

Why is sedimentation viewed as a nonpoint source of pollution?

Because sedimentation is detrimental to life. How?

🗻 Texas Stream Team



Let's review:

What essential part of the ecosystem turns the energy from the sun into food for the animals?

Texas Stream Team

Plants

What do plants need to live?

🛬 Texas Stream Team

Plants need:

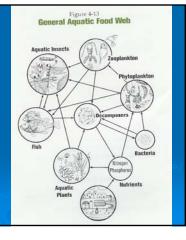
- > Sunshine to carry out photosynthesis
- ▶ Water
- > Soil (nutrients)
- > Oxygen and carbon dioxide
- > How does sediment effect these factors in an aquatic ecosystem?

Texas Stream Team

> Sediment in water reduces the sunlight that reaches the plants so the plants cannot make as much food for the rest of the ecosystem.

Texas Stream Team

Remember that the organisms in an ecosystem are interdependent



	•
Astronto	
Animals	
What do animals need to live?	
Texas Stream Team Gring For Pear	
	1
All animals, including aquatic	
animals, need:	
> 1. FOOD	
We have already seen how sediment reduces	
food	-
 In addition, animals cannot see their food as well in cloudy water. 	
,	
> 2. OXYGEN dissolved in water	
Where does the oxygen come from?	
Exact Stream Team Acting the Police Acting the Po	
	1
Oxygen in water	
Oxygon in water	
Oxygen comes from the air	
> It also comes from plants in the water	
when they carry out photosynthesis	
O'con and l'annual in an annual in an	
 Since sediment in water reduces photosynthesis, it also reduces the oxygen 	
in the water for the animals	
Terus Stream Team	
- Security New	