



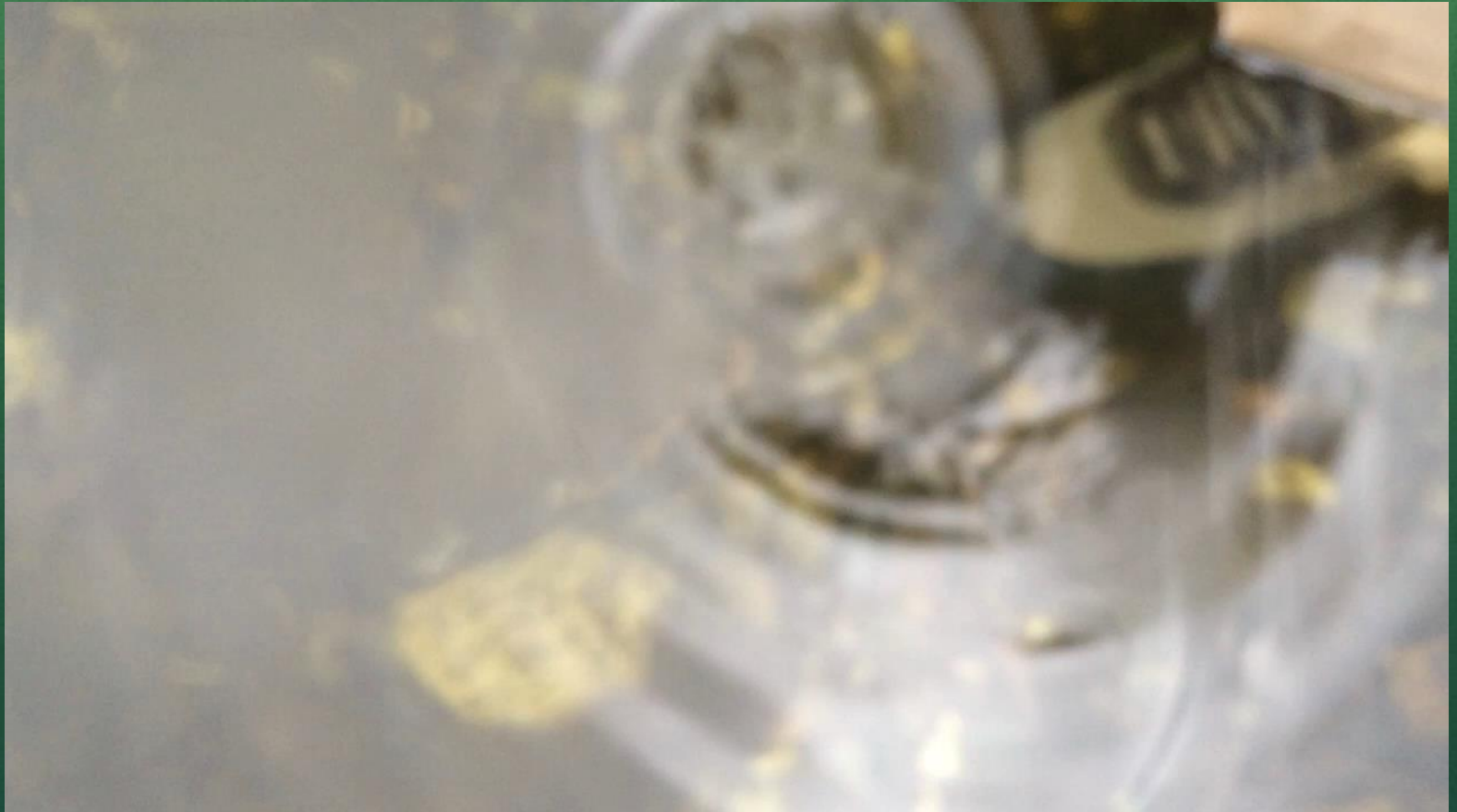
# Salmon Conservation Ideas for the Classroom

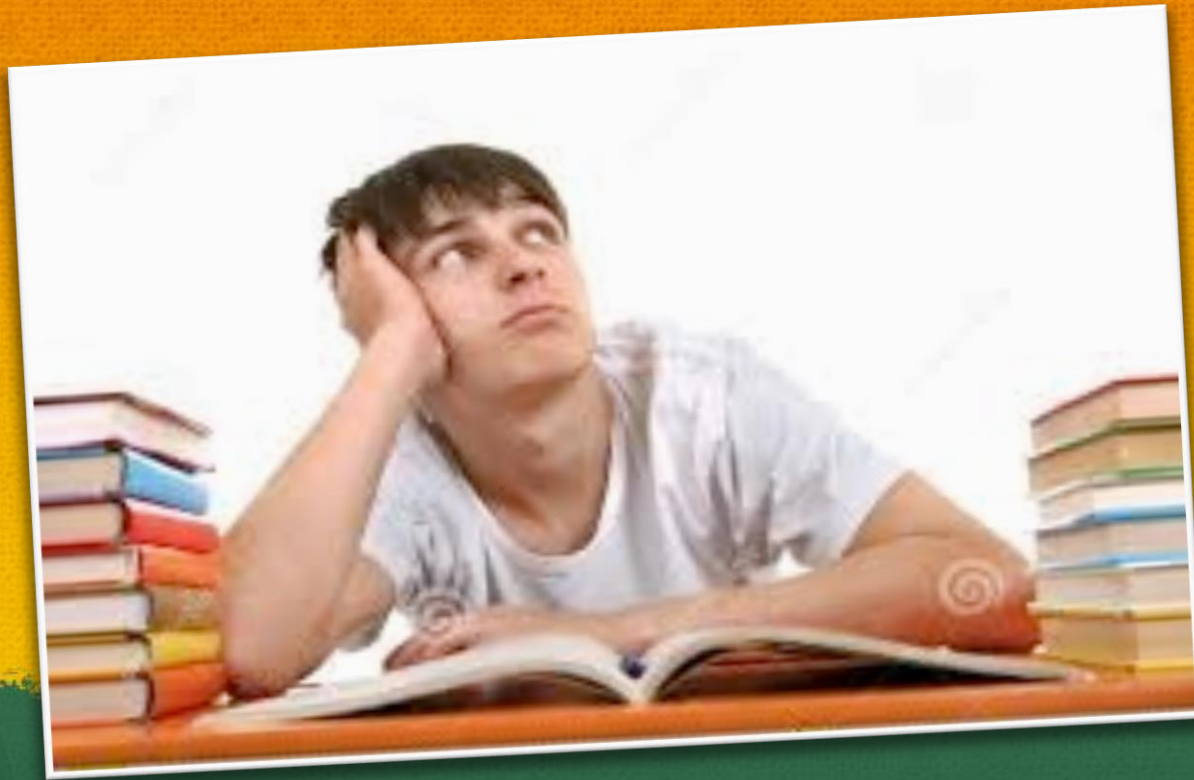
Presented by: Ryan Viola

# About Me

- B.S. in General Biology; minor in General Chemistry (University of Minnesota Duluth; 2006)
- B.S. in Life Science Education (Minnesota State University Moorhead; 2012)
- Institute for Environmental Assessment (IEA). Environmental Technician; 2006-2010
- P.A.D.I. Licensed Scuba Diver
- Volunteer/Docent at Minnesota Zoo; 2007-2011 (1200 hours)
- Teacher & Substitute Teacher







# 3 ways to inspire (age level/subject do NOT matter)

- 1.) Pick up your pets droppings.
- 2.) Reduce, Reuse, Recycle.
- 3.) Excitement for the Great Outdoors.

# 1a. Pick up your pet droppings

- How does this relate to the classroom?
  - Discussions
  - Research
  - Online Lab Sessions
  - Reports
  - Website Articles

# 1b. Pick up your pet droppings

## Analysis of Domesticated Feces

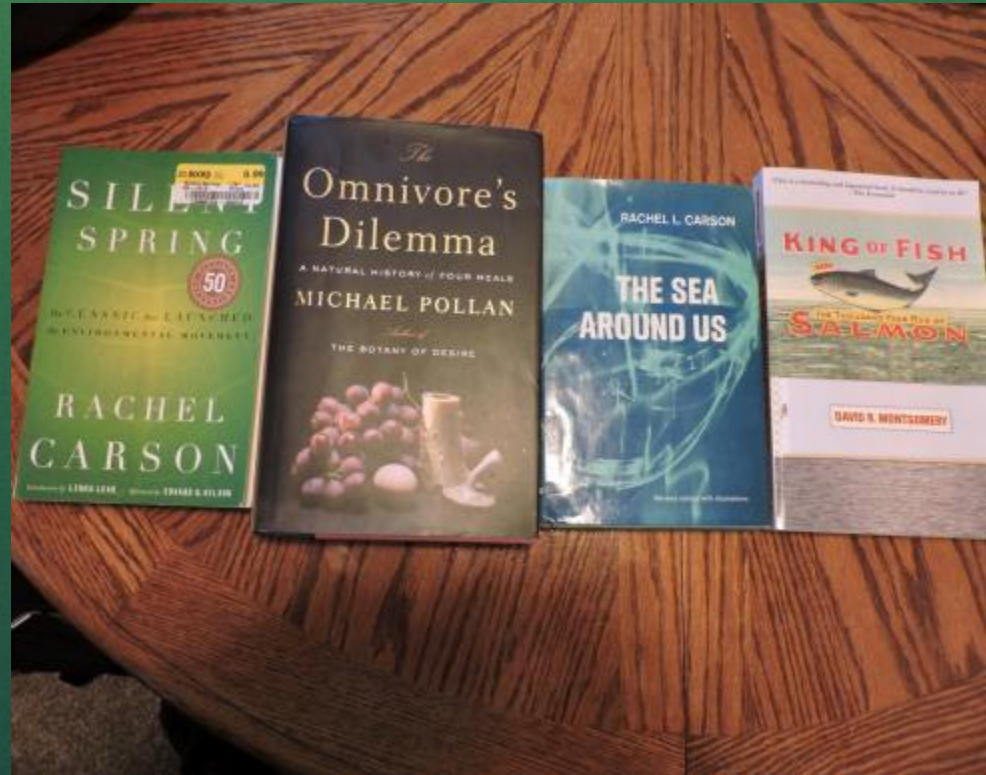
- Nutrient level not very high.
- Extremely high/toxic levels of Viruses, Bacteria, and Fungi (*Salmonella* and *E. Coli*)

## Analysis of Wild Scat

- Nutrient value is relatively high.
- Low/ toxic levels of Viruses, Bacteria, and Fungi (*Salmonella* and *E. Coli*)

# 2. Reduce, Reuse & Recycle

- “Recycler’s Handbook: Simple Things You Can Do” by The Earthworks Group
- “Silent Spring” by Rachel Carson
- “The Omnivore’s Dilemma” by Michael Pollan
- “The Sea Around Us” by Rachel Carson
- **“King of Fish” by David Montgomery**
- “Running the Gauntlet” by PBS:NOVA (available to view on youtube or pbs.org)



# 3. Excitement for the Great Outdoors



"Teaching a child not to step on a caterpillar is as valuable to the child as it is to the caterpillar." ~ Bradley Millar



# Questions

- Sources
- 1.  
<http://icwdm.org/inspection/scat1.asp>
- 2.  
<http://www.pinterest.com>
- 3.  
<http://www.gifts.worldwildlife.org>

