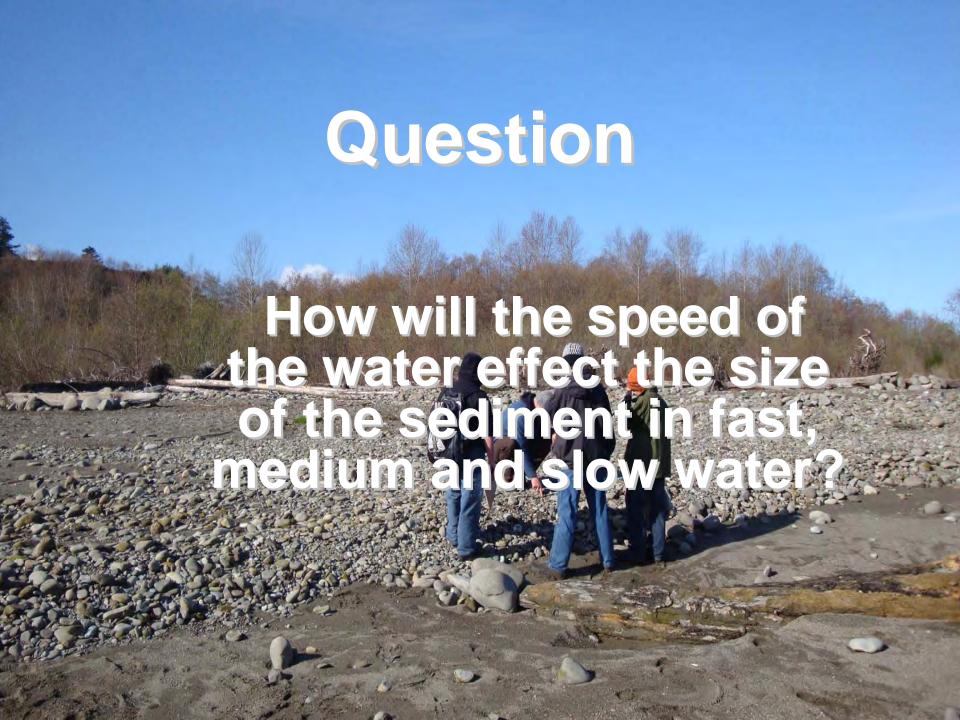


Background Research

- In 2011 the Elwha dams will be removed. It will be the largest dam removal in the history of the U.S.
- To remove the lower dam they will create a diversion channel.
- Next they will divert the water and take out one half of the dam.
- After one half of the dam is removed they will redirect the river and take out the rest of the dam.

Background continued

- To remove the upper dam they will drop the water level using an outlet pipe.
- Next demolition crews will begin to remove 7.5 foot sections of the dam.
- Finally they will use a controlled blast to remove the remainder of the dam that is attached to the bedrock.



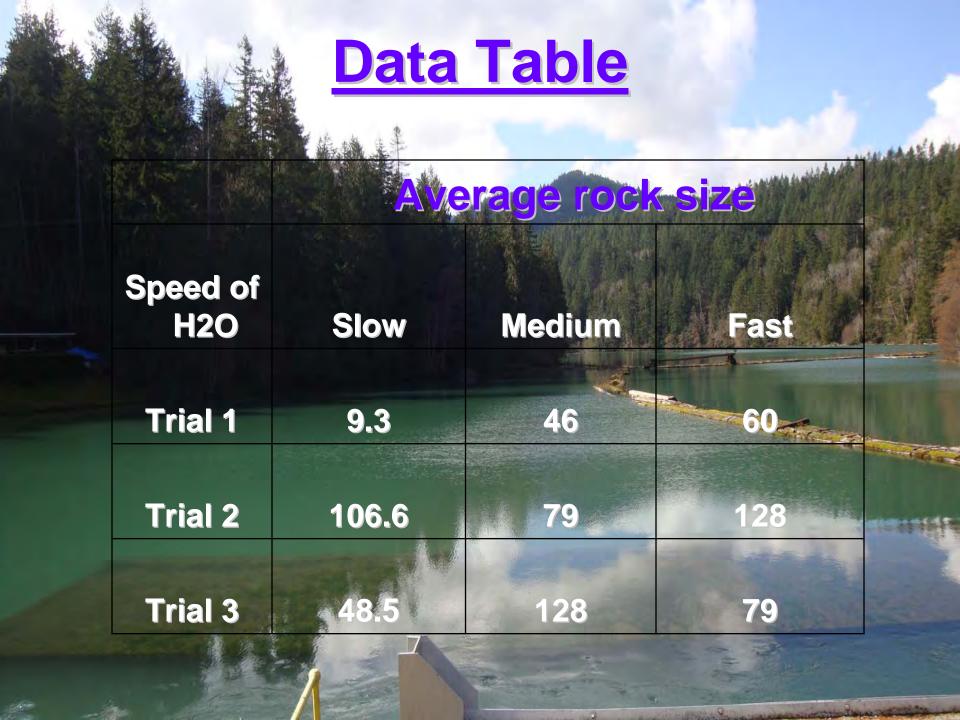
Hypothesis

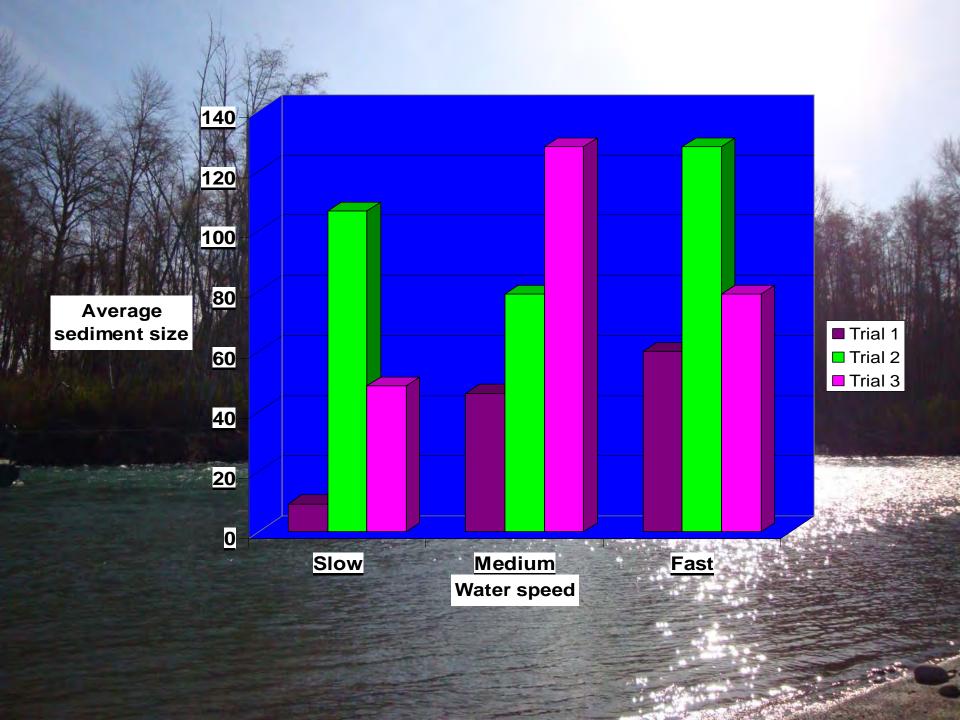
If we test the sediment size in 3 different areas, the location with the fastest water will have the biggest rocks, because the fast water takes away the smaller sediment.





- 1. Gather and check materials.
- 2. Estimate slow portion of river.
- 3. Stretch the measuring tape 10 meters long, half a meter from waters edge.
- 4. Pick sediment at 3, 6, and 9 meters.
- 5. Measure and record sediment size.
- 6. Repeat steps 1-5 for medium and fast water.
- 7. Go to next two location and repeat steps 1-6.

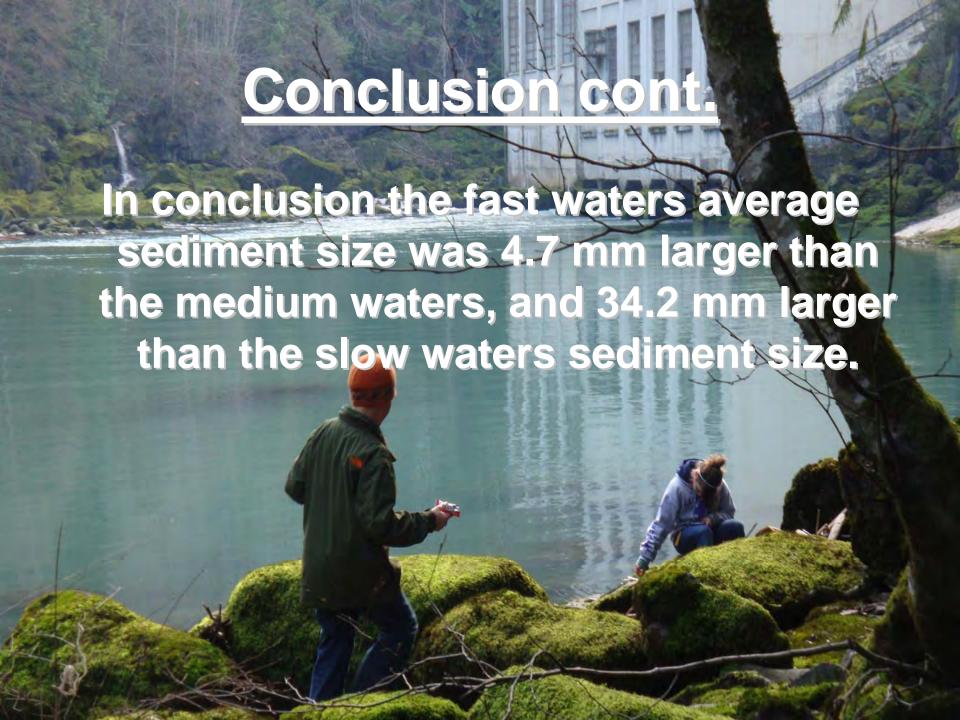








Our hypothesis was correct, fast water (with more than 2 in. rapids) had the largest sediment size, which was 89 mm. The locations with medium water (water with rapids less than 2 in.) had an average sediment size of 84.3 mm, the locations with the slowest water (water with no rapids) had an average sediment size of 54.8 mm.



Causes of Error

- One cause of error could have been that the dams stopped some of the sediment from coming down to the lower parts of the river.
- Another could have been we didn't make enough trials.
- It would've been more reliable if we had done experiments over several days.

