Bridgeville Team

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Young Scientists do stream sketches at Swimmers Delight.

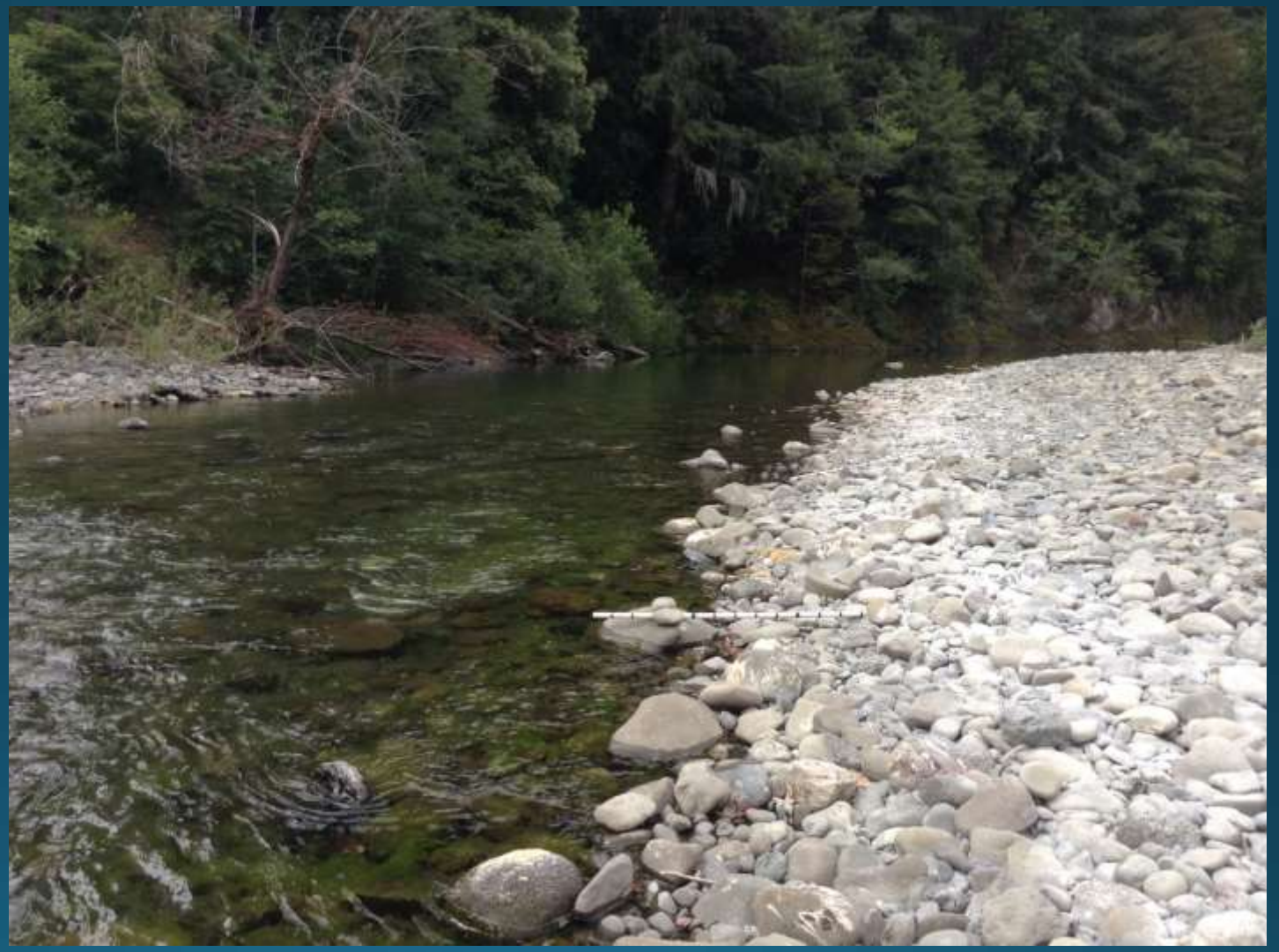
Lets take a look at water flow.

Water flow can be classified as a :

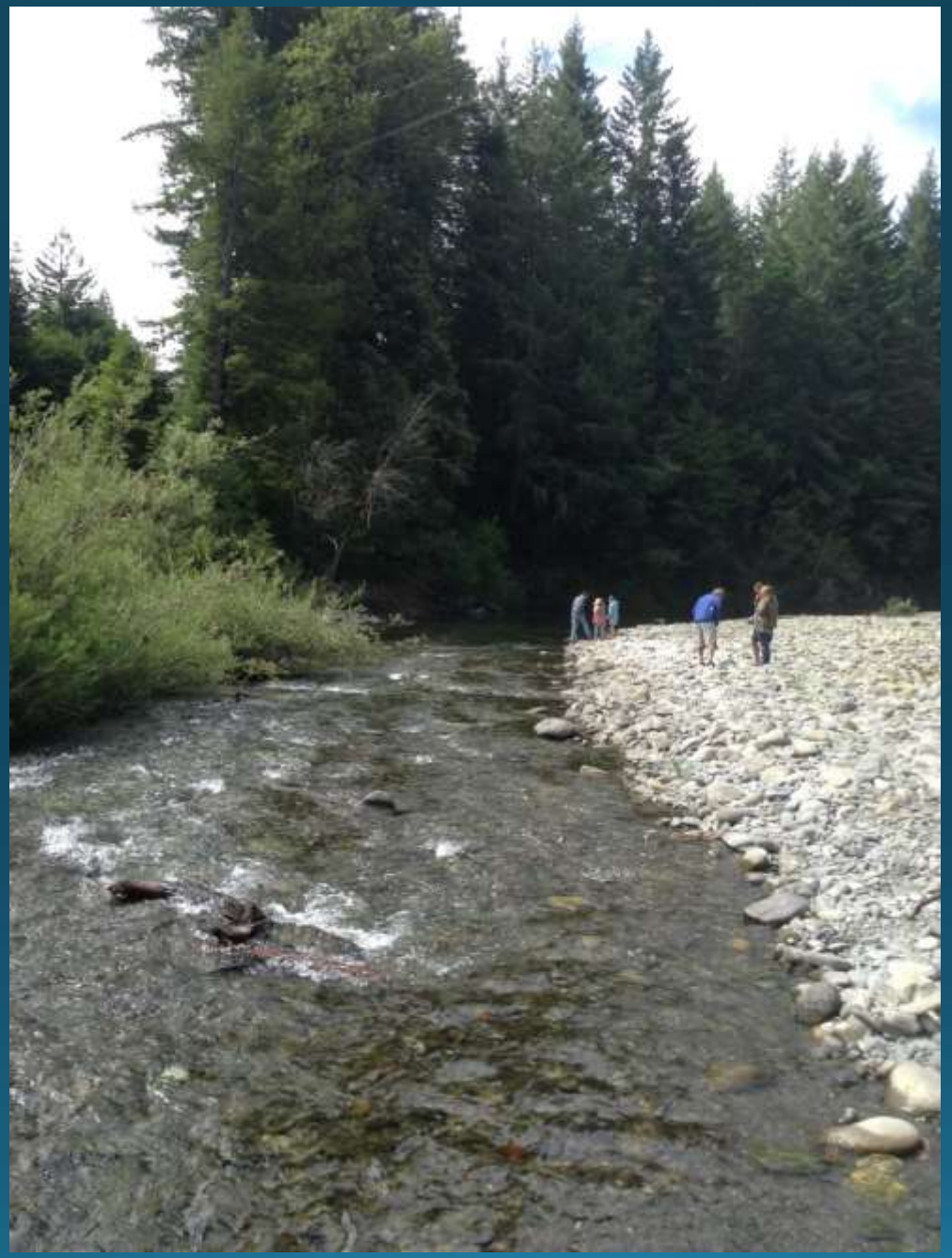
RIFFLE

RUN

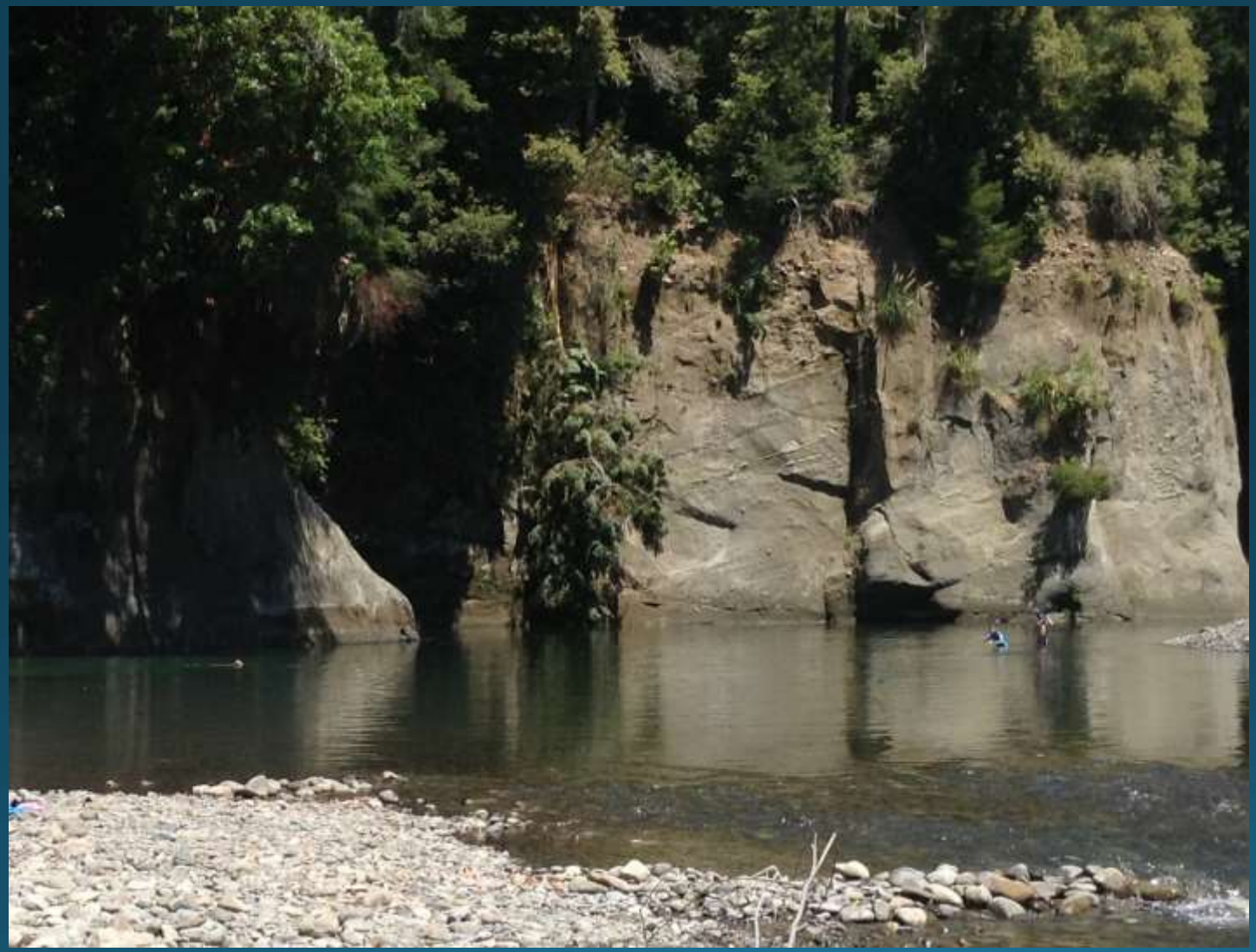
POND



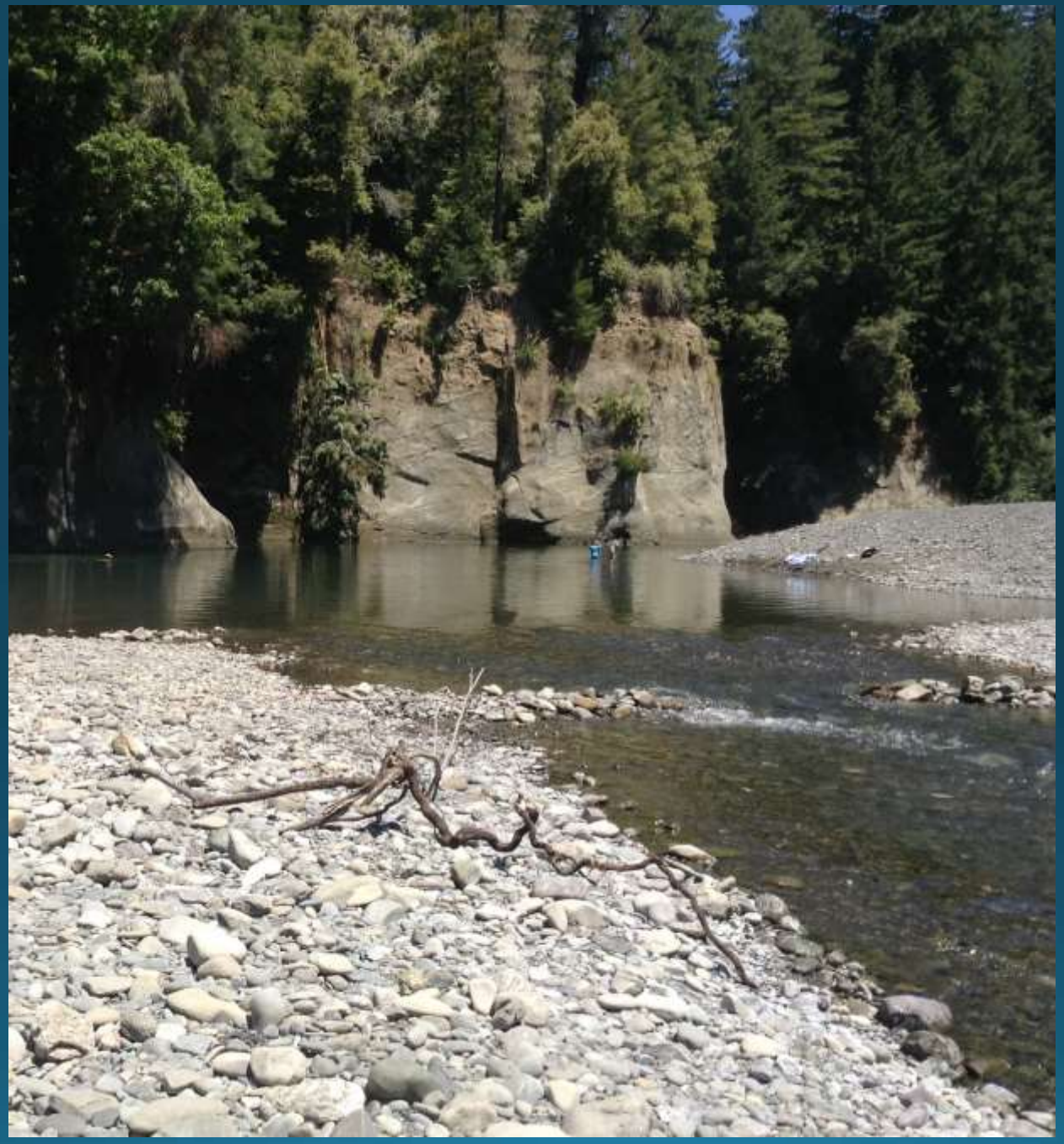
Classify this flow.



This one is easy



How many do you see here?



Bridgeville Team studying flow.

Tossing the Orange Peel

If we were to study the quality of the water, what would we examine?

Turbidity

How clear is the water?

How does this change over the year?

How is this measured?

Temperature

What is a good temperature for salmon?

What is an unhealthy temperature for salmon?

Grizzly Creek is a salmon bearing creek.

Noah's Dad Isaac has done fish counts there for many years.

pH

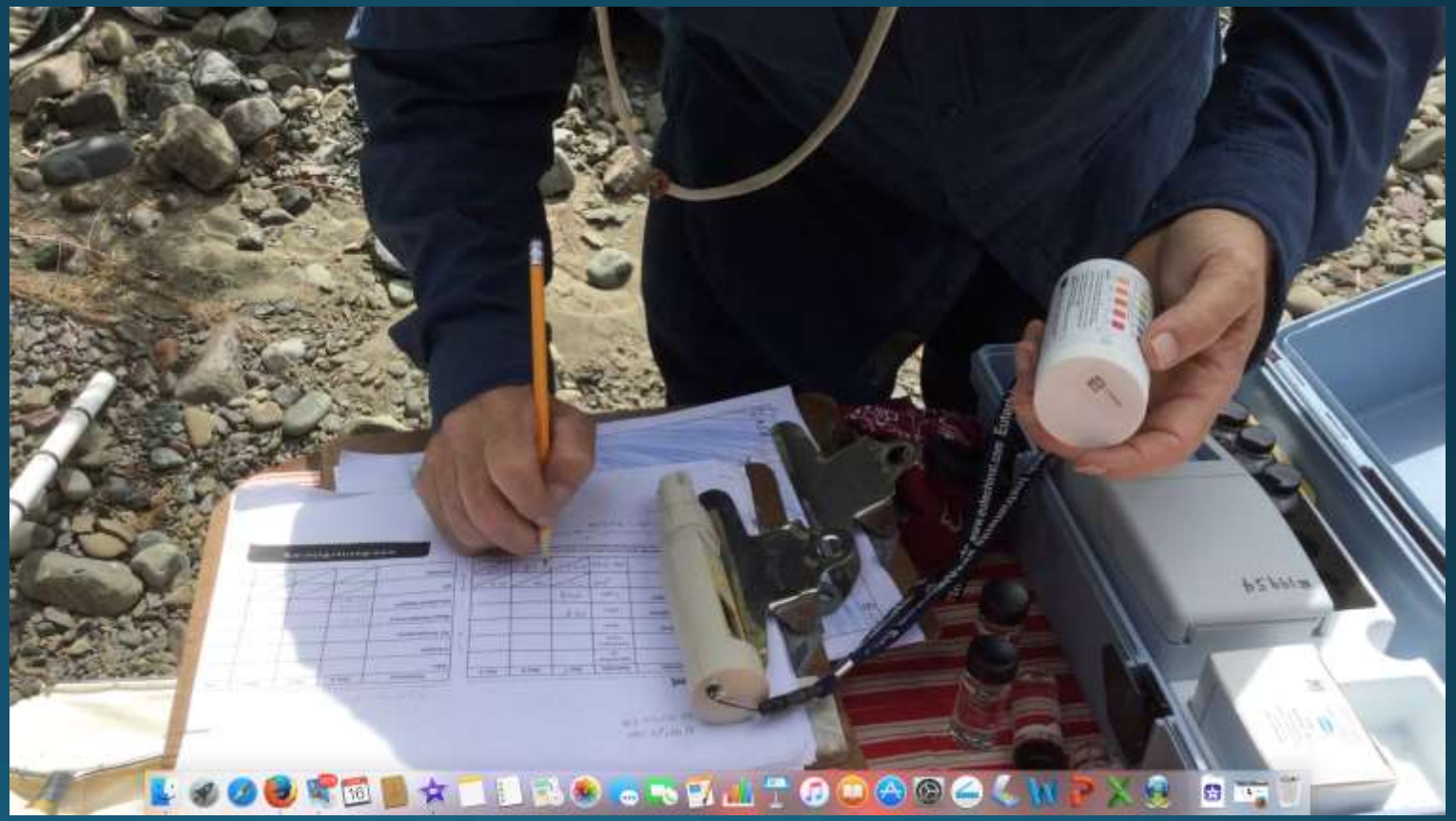
This measures the acid/base of the water.

This measure goes from 1-14 from more acidic to more base.

Good water is neutral about 7.0

Rivers are good at 7.0 – 8.5 according to the Water Quality Control Board.

Our rivers run from 8.0 – 8.8 after the summer.



O2

Oxygen is so important! WHY?

Where in the river would we find the most oxygen?

What happens when the algae start to bloom?

Tools for the River

Lets collect macroinvertebrates.


HAWAII

Mayfly

Stonefly

Caddisfly

Rock Study D50

The size of the rocks are important to salmon for spawning, protection, and food supply.

D50's from 65-95 mm are best!

Good size rock!

Installing the Temperature Probe

Our HOBO TEMP measures temperature every hour every day for months at a time.

Why would we want to keep track of water temperature?

The Young Scientists: The Next Generation

Becoming a student of Nature

From Generation to Generation

In the late spring of 2014, Katherine Sanguinettini received a full scholarship to Humboldt State University in the Natural Resources Division.

Congratulations Katherine!

Be the Next Generation of Scientists