

**Van Duzen Field Trip May 18,2021**

**Friends of the Van Duzen River**

**Field Study Sponsored by the McLean Foundation**

**Participants : Sal Steinberg, Berel Steinberg, Niko Hudson, Buena Luevanos**

**Andrea Hargadon, Hannah Jones**

**Young Scientists : Leela, Santino, Malachi, Clyde**

**Michael, Chris, Maddy**

**Schools: Coastal Grove Charter School, Alder Grove Charter School,**

**Cuddeback Elementary School**



**Friends of the Van Duzen River**

**PO Box 274 Carlotta, CA 95528**

## Area 1 : Berel and Niko The Frog Pond

Walking down to the river study the following:

The Pampas Grass : Doesn't it look different from everything else?

Was it always here?

Where did it come from? Answer South America.

How did it get here?

It was brought to Santa Barbara California over a 100 years ago.

Look how it takes over

This is the definition of an invasive species.

Like an alien invader.

Groups of people are sometimes hired to take down the Pampas Grass.

Edibles : Fennel : Was it always here?

Where does it come from? : Europe

What is it used for? Cooking

Lets taste it. Remember you can only taste things that you know are safe in Nature

Lets head to the River

Lets look into this stream.

What do you see?

What is the life cycle of the frog

Where does it start?

As an egg then?

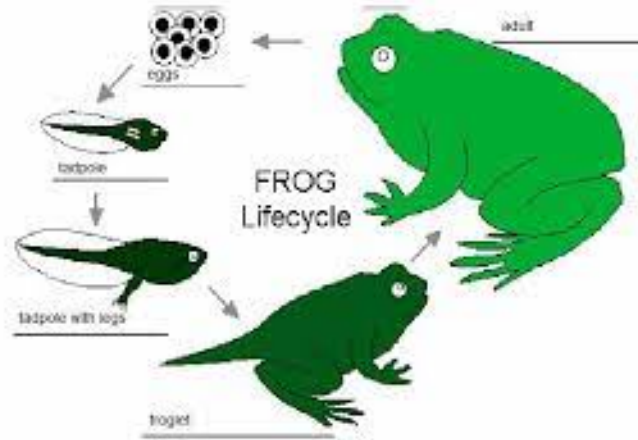
As a tadpole. Count how many you see?

Then as a tadpole with legs. Do you see any like that?

Then as a froglet? Do you see any.

Then as a frog.

Lets catch some, study some, and draw some.







## AREA 2 Water Monitoring on the Van Duzen River with Sal and Blanca

May 18<sup>th</sup> 2021

Location : Van Duzen River at the Parker Hole

GPS: 10 Satellites N40 degrees 29.846

W123 degrees 59.840

### Group Andrea at 1:15 PM

What do we see? The water has several colors : dark dark green, dark green, and light green as it goes from shallow to deep and it is affected by the light from the sun and shade from the rock cliff.

Temperature: Air 59.5

Water 63.4

PH Strips 7.8,7.8,7.8,7.2, 7.8

How clear is the water? Turbidity 1,1,1

### Group Jones at 2:00 PM

What do we see? Response : the water is green, and dark green where it is deeper.

Saw a red-tailed crayfish



Temperature : Air 63.9

Water 64.3

Ph Strips 7.8, 7.8,7.8

How clear is the water? Turbidity Samples 1,1,1







Ecology and the Arts is a term that I first heard originated about a decade ago by my collaborator Barbara Domanchuk, a fellow member of the Friends of the Van Duzen River, and the creative director of the yearly Young Media Makers Big Screen Showcase.

The ability to transfer the innate beauty of nature in your ecological space into an art form of drawing, sculpture, photos, and digital media merges the human being with the divine source of nature. It is a beautiful experience as shown by the following wild iris drawings done by the students upon returning to my house in Carlotta, CA. Thanks to Blanca Luevanos, California Conservation Corps Watershed Stewards. Enjoy!







