



ALGAE

Jamul's newest problem.
By Chris Pinto



WHAT IS ALGAE? ALGAE IS A PLANT LIKE ORGANISM THAT PRODUCES IT'S OWN FOOD.

Last year

This year





A NAME TO OUR PROBLEM.

Plankton, and filamentous algae are the most common type of algae. These algae look like strings or green hair on the rocks.

Moss or pond scum are some other terms used to identify this algae.

If we want to get a more specific name to this algae we would need to look under the microscope to identify.



WHY IS ALGAE GROWING IN JAMUL'S CREEK?

Algae survives on water, light, and nutrients.



Nutrients come from animal waste, and failing septic systems.

Organic debris, fertilizers, and yard chemicals present in storm water runoff help the algae survive.



IS ALGAE BAD FOR OUR STREAM?

Algae consumes carbon dioxide to produce oxygen
In the day time, causing dissolved oxygen to be high

But at night it does the opposite consuming oxygen
and producing carbon dioxide, causing dissolved
oxygen to low.

I believe algae is bad; if in over abundance, water quality will degrade.
Algae will deplete dissolved oxygen and kill off wild life habitat





HOW TO MANAGE THE PROBLEM?

There are chemicals that we may use to control the problem.

We don't want to use chemicals just yet, what we want to do is pull the algae out by hand or by a hard rake, or yard tools.

We also need to take out the woody debris and dead vegetation.



WHO CARES ABOUT THE STREAM? JAMUL ENVIRONMENTAL AGENCY.

JEA finds algae to be a problem caused by nonpoint source in Jamul.
JEA believes if algae is not addressed it could be detrimental to our creek, Wildlife and recreational uses.
JEA wants to keep the water quality in Jamul clean.

Thank you for listening, showing up, and caring about what you Tribe does to protect it's waters.

