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### The Problems of Dasysiphonia Being in Our Waters

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# The Problems of *Dasysiphonia* Being in our Waters

Kat M.

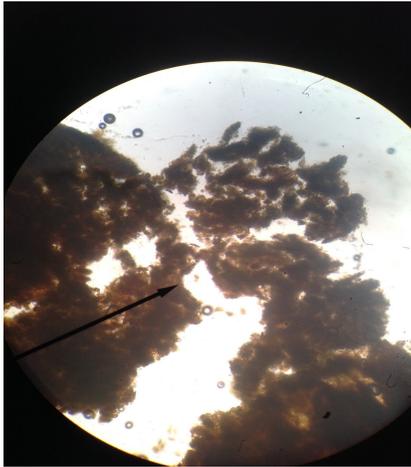
Bath Middle School, Mrs. Wright  
January 31, 2020

This topic is important to my class and teacher because we are trying to learn how *Dasysiphonia japonica* is affecting our ecosystem and how to stop it. When using a microscope you can tell that the red algae is the species of *Dasysiphonia japonica* because it is more pink than red and is more fiber-like than the native red algae is. We already know that *Dasysiphonia japonica* is from Asia and inhabits warmer waters. As you know our waters are warming due to climate change. The warmer the water gets the more invasive red algae we'll have.

*Dasysiphonia japonica* is a concern to us because it's replacing native species and is spreading rapidly. As the invasive red algae spreads throughout our waters the macroalgae more specifically kelp are being replaced by the red algae (Phys.org, 2017). Macroalgae is important to us because it helps us breathe by releasing oxygen into the atmosphere. Macroalgae also provides shelter and food for sea life and the invasive red algae is driving sea life away.

My class didn't find any *Dasysiphonia japonica* in our sample from Isle a Haut (44.0175,-68.6198). We expected to find some *Dasysiphonia* because it was near Hurricane Island (44.0308,-68.8852) and the class that received that sample had found a lot *Dasysiphonia*. We looked a lot for *Dasysiphonia* and even used flashlights to find some but didn't find anything. It was great that we didn't find any because this protects our kelp and macroalgae.

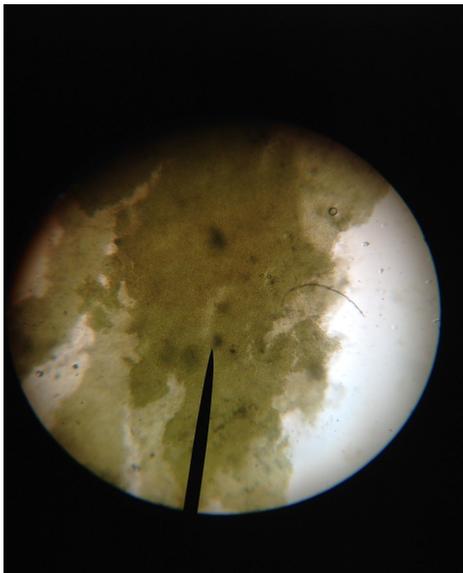
I didn't find any animals in my slide but some of my classmates did find animals in their slides. Below are all the algae I investigated.



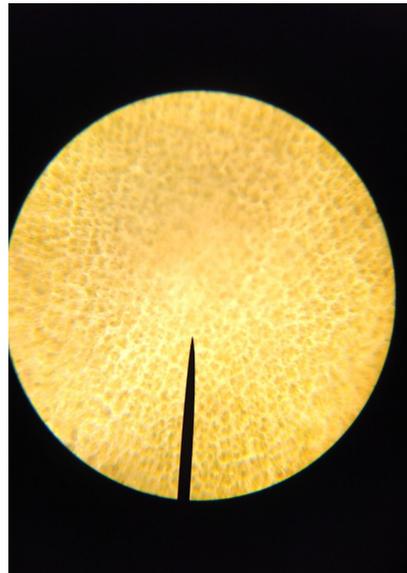
100X



100X



40X



400X

## References cited

Researchers find significant increase of invasive seaweed changing sea habitat (2017, May 9) retrieved 20 January 2020 from <https://phys.org/news/2017-05-significant-invasive-seaweed-sea-habitat.html>

