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## red algae, Rock 305 & Cape Johnson

2 messages

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**Cathy Pfister** <cpfister@uchicago.edu>

Wed, Aug 5, 2015 at 8:09 AM

To: Greg Williams <greg.williams@noaa.gov>, Liam Antrim <liam.antrim@noaa.gov>, jameal.samhuri@noaa.gov, nick.tolimieri@noaa.gov

Hi all,  
Not sure I got these emails right, but thought I would try.

I hope this finds you having a great day along the coast. I'm so impressed how you all pulled this together and so excited that this work is going on! I thank you all for such a nice day yesterday.

The taxonomic mysteries that remain from yesterday . . .

The snail on the second dive (Cape Johnson) is *Ocenebra lurida* according to Tim Wootton. I attach the picture. I think the first dive was *Lirabuccinum dira* as Liam pointed out.

Note also that the first dive at Rock 305 had a small snail we were wondering was *Alia*. Have a look at *Amphissa* which makes more sense.

In trying to sort out the red alga, it seems that the one from Cape Johnson with the rough/frilled edges is *Cryptopleura ruprechtiana*. The smoother edged version has given me some difficulty. From my reading, it seems possible it is the same spp. An Alaskan seaweed book says that they differ in this trait. I thought the midrib portion also looked different, however. I wondered if it was possible that this was ontogenetic - the unfringed was younger, the fringed was older and reproductive. Not sure though. It is just tough to find another possible taxonomic assignment except for *Hymenena* and this requires a look at the tetrasporangia. In fact, Gabrielson's key says: "*Cryptopleura* in the area need critical study. . ." sigh.

with best wishes,  
Cathy Pfister



snail\_capejohnson.jpg  
816K

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**Greg Williams** <greg.williams@noaa.gov>

Mon, Aug 10, 2015 at 11:28 AM

To: Cathy Pfister <cpfister@uchicago.edu>, Liam Antrim <liam.antrim@noaa.gov>, jameal.samhuri@noaa.gov, nick.tolimieri@noaa.gov

Hi Cathy!

I hope your drive to Chicago went well. Thanks so much for coming out to join us and lending your expertise to the project...and for following up. *Lirabuccinum* showed up a few more times on my dives and was a new one for me. BTW - visibility picked up considerably as we reached Tatoosh and made for some beautiful dives.

Here's a link to Greg Jensen's free sculpin key and his Crab and shrimp book.

<http://www.molamarine.com/>

Take care and stay in touch,

Greg

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