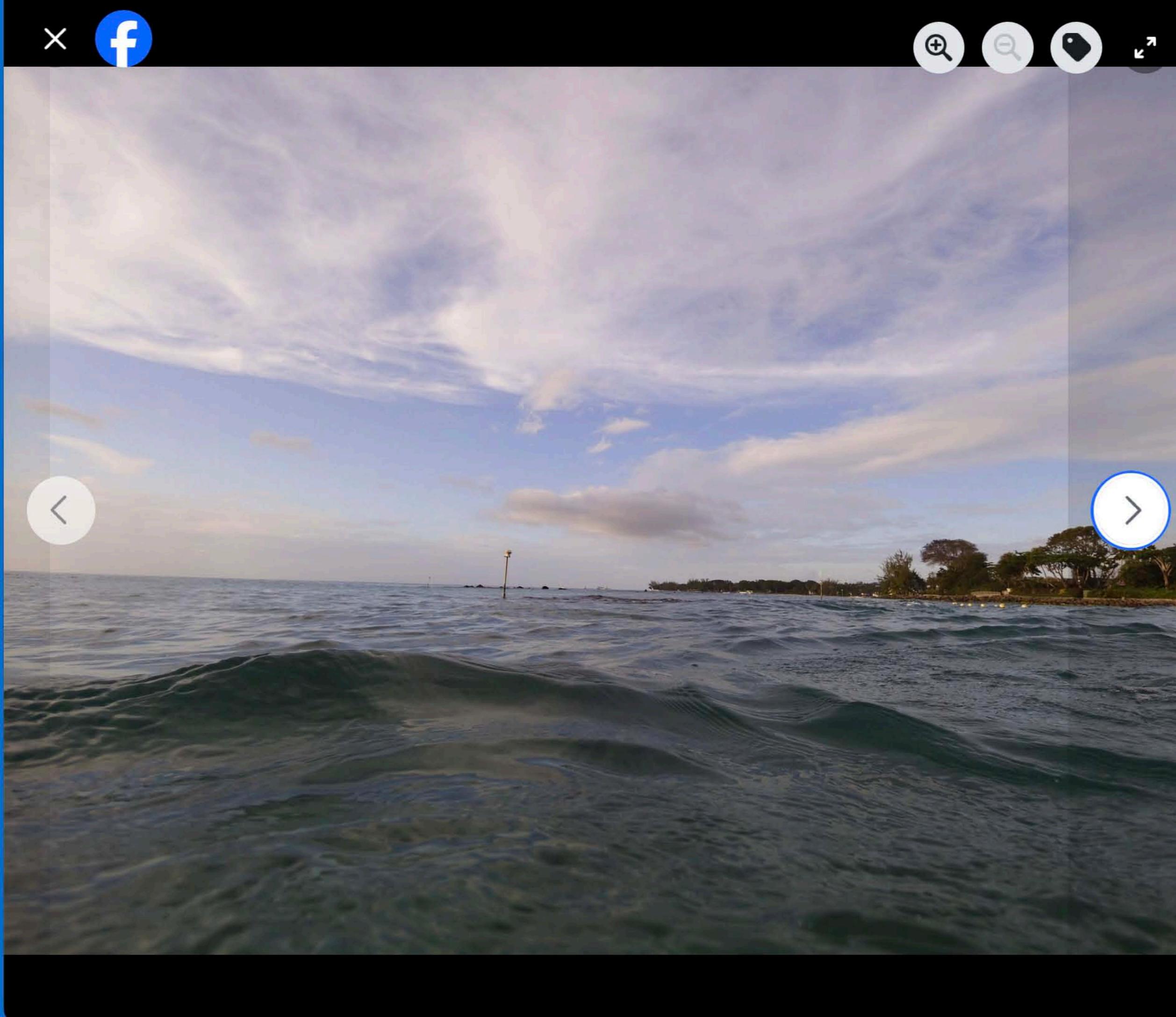


X



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**David Graham Patriquin**

January 8, 2023 .

...

Late in the day, I headed right to this spot, last viewed 2020 with **Nina Patriquin**

[Edit](#)

Mary Manley, Ann Jamieson and 5 others



Comment as David Graham Patriquin



...

X



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**David Graham Patriquin**

January 8, 2023 ·

...

To check out these corals...Acropora prolifera

[Edit](#)



Ann Jamieson, C.e. Rodger and 10 others

4



Most relevant ▾



**C.e. Rodger**

Can't wait to see this with you!

2y Like Reply



David Graham Patriquin replied · 1 Reply



**Graham Patriquin**

Amazing and rather rare. Where are these?

2y Like Reply



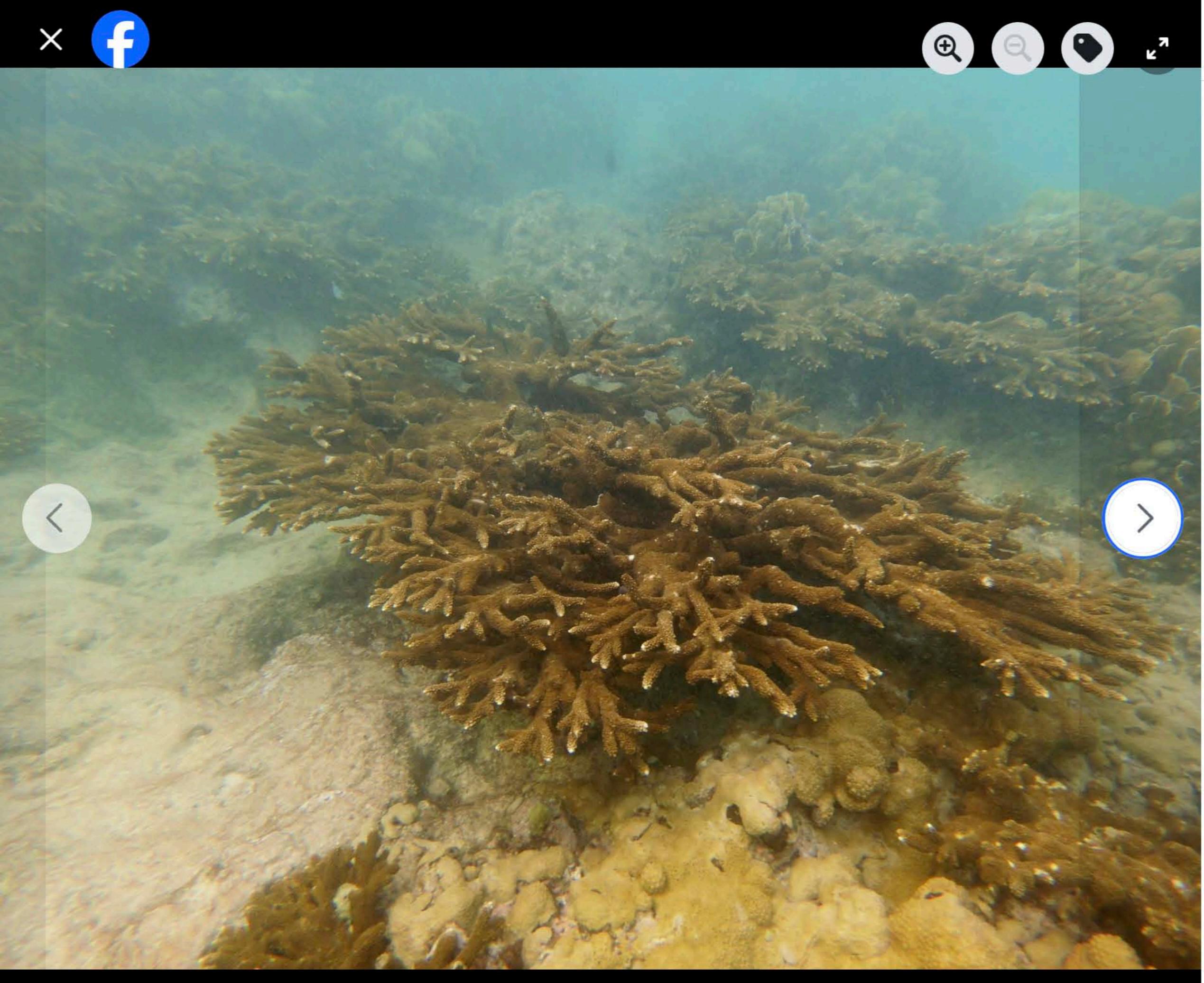
David Graham Patriquin replied · 1 Reply



Comment as David Graham Patriquin



X



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David Graham Patriquin

January 8, 2023

...

All healthy & have grown a lot...Good News!  
<http://versicolor.ca/reef/> with Nina Patriquin

Edit



Louisa Horne, Mary Manley and 15 others

7



Most relevant



Anne Mills  
Great Dave!

2y Like Reply



Finn Sander  
Part of a recent revival?

2y Like Reply

Finn Sander replied · 2 Replies



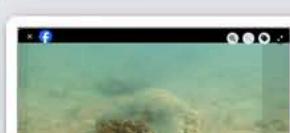
James Boyer  
Good news!

2y Like Reply

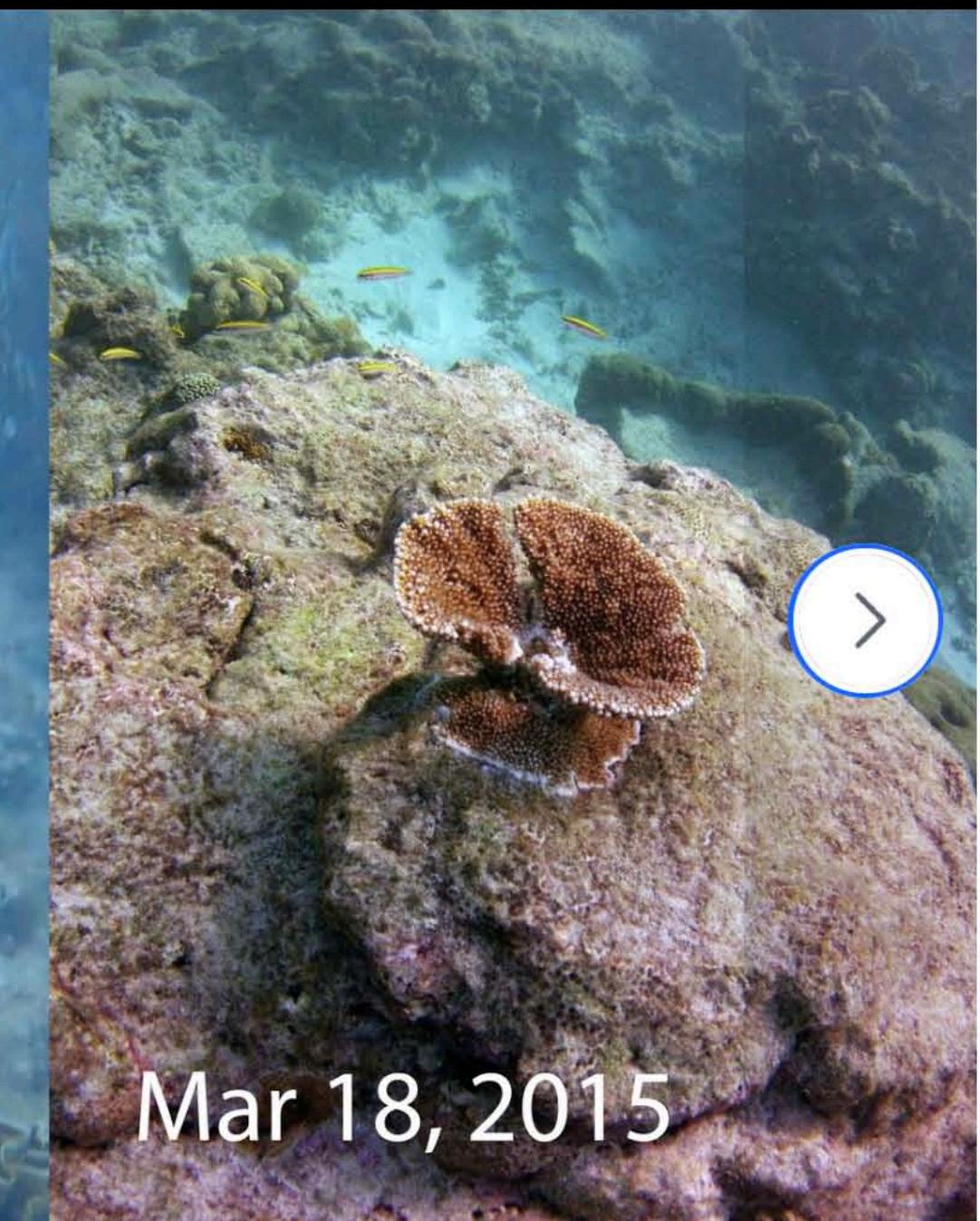


Anne Mills

Comment as David Graham Patriquin



X



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David Graham Patriquin

January 12, 2023 .

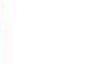
...

Good News, continued, from the Vauxhall Reef: side-by side images of *Acropora palmata* a few days ago and 8 years ago. It's grown a lot and is very healthy. With **Nina Patriquin**

[Edit](#)

Mary Manley, Ann Jamieson and 9 others

2



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Ann Jamieson  
Great!

2y Like Reply



James Boyer  
Wonderful news!

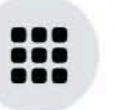
2y Like Reply



Comment as David Graham Patriquin



X



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David Graham Patriquin

January 12, 2023 .

...

Good News, continued, from the Vauxhall Reef: The incredibly beautiful Princess Parrotfish is still common. With **Nina Patriquin**.

[Edit](#)

Mary Manley, Ann Jamieson and 6 others

1



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Anne Mills  
Stunning fish.

2y Like Reply



Comment as David Graham Patriquin



>

X



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**David Graham Patriquin**

January 12, 2023 .

...

Not-So-Good News from the Vauxhall Reef: *Diplora labyrinthiformis* with Stony Coral Tissue Loss Disease. It hadn't arrived in 2020, seems to be just getting started now. With **Nina Patriquin**.

[Edit](#)

19

11 1



Most relevant ▾



**Sandy Martin**  
Oh no.

2y Like Reply



Sandy Martin replied · 4 Replies



**John Cascadden**  
Is there anything that can stop the disease from progressing?

2y Like Reply



John Cascadden replied · 2 Replies



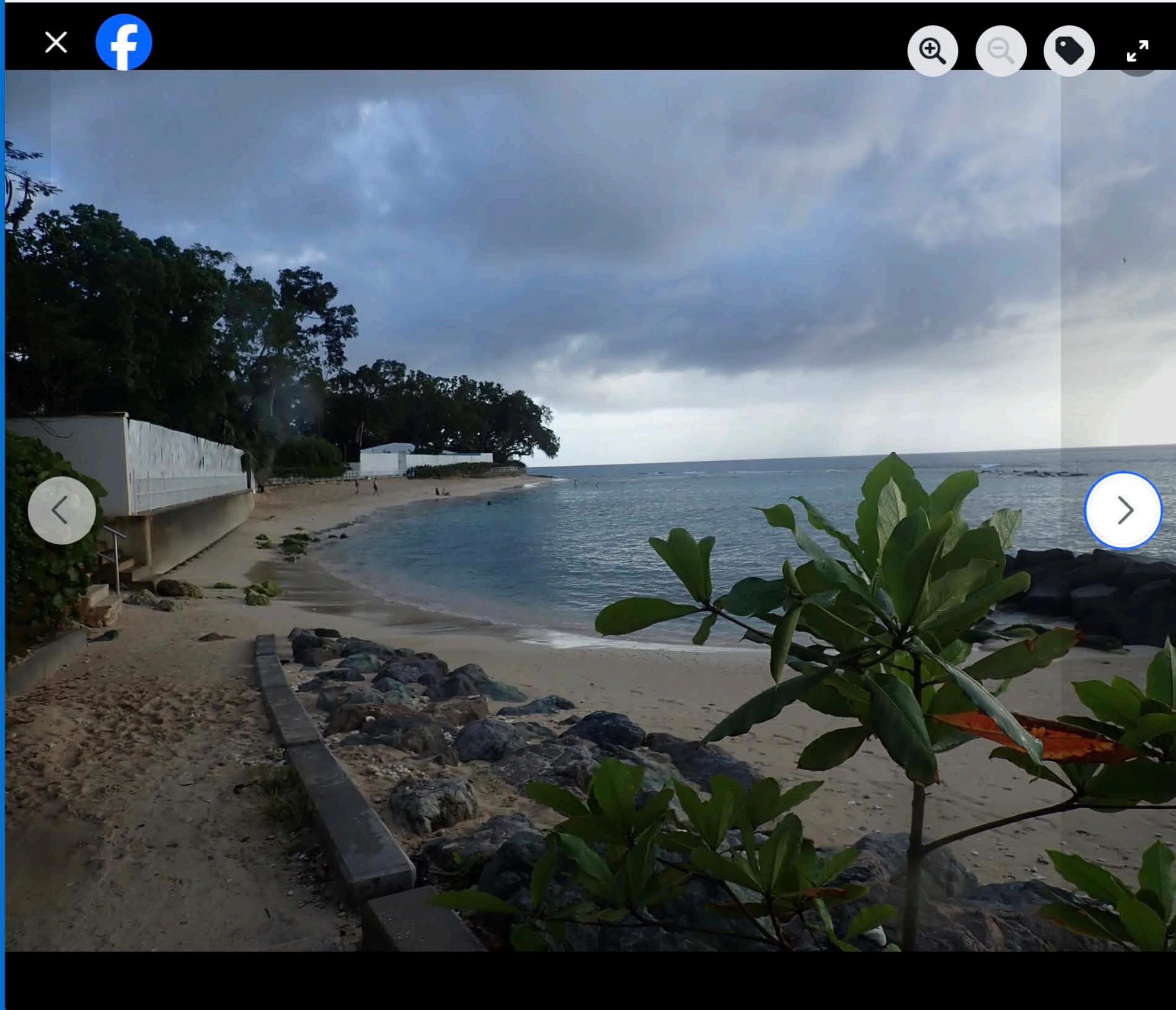
**Ann Jamieson**  
I wonder if Relais is aware of this



Comment as David Graham Patriquin



X



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**David Graham Patriquin**

January 17, 2023 .

...

Unusually calm sea

[Edit](#)



Mimmi Henriksen, Teddy Zaghloul and 17 others

9



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**Nina Patriquin**

This is our favorite spot.

2y

[Like](#)

[Reply](#)

2



**David Graham Patriquin** replied · 1 Reply



**Anne Mills**

Lots of space for both....

2y

[Like](#)

[Reply](#)



**James Boyer**

We love this area too. Glad to see some of the sand has come back to fill in the gap. Beautiful photos! Now we can't wait to get to Barbados.

2y

[Like](#)

[Reply](#)



**Finn Sander**

Comment as David Graham Patriquin



val

Sanu...setc

X



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**David Graham Patriquin**

January 17, 2023 ·

...

'Always happy to see Frigate Birds.

[Edit](#)

15

3



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**Norman Phinney**

Great looks a little warmer than fl.

2y [Like](#) [Reply](#)



**James Boyer**

Beautiful!

2y [Like](#) [Reply](#)



**Graham Patriquin**

Always. They are a good ocean bird omen!

2y [Like](#) [Reply](#)

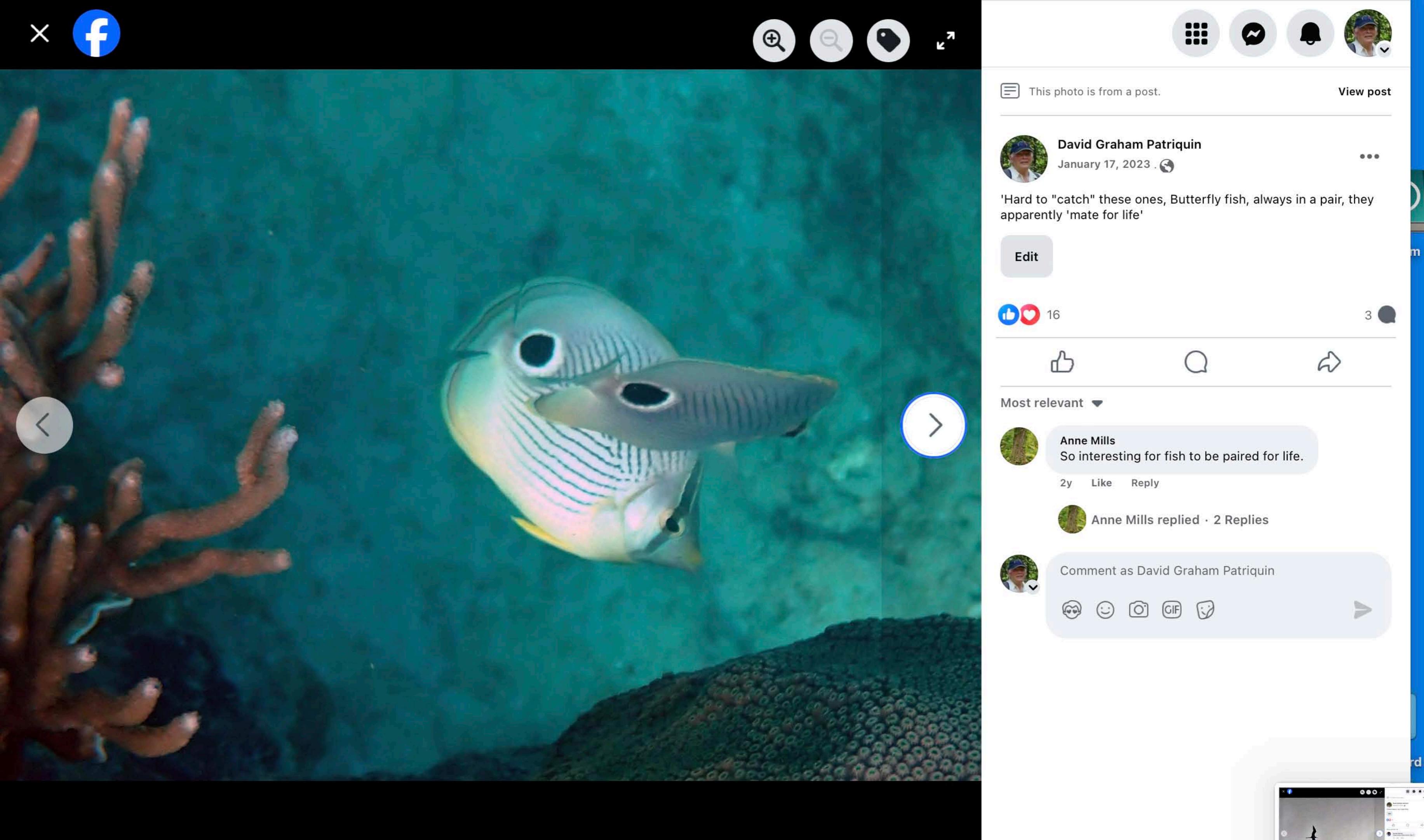


Comment as David Graham Patriquin



Val

Sand...set



X



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David Graham Patriquin

January 17, 2023



'Hard to "catch" these ones, Butterfly fish, always in a pair, they apparently 'mate for life'

[Edit](#)

16

3



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Anne Mills

So interesting for fish to be paired for life.

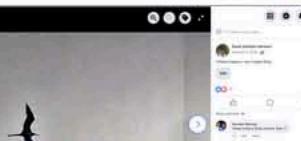
2y Like Reply



Anne Mills replied · 2 Replies



Comment as David Graham Patriquin



X



↗



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**David Graham Patriquin**

January 17, 2023 ·

...

Queen Parrotfish. This a small one, 'seen much bigger but hard to 'catch"

[Edit](#)

19

3



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**Cliff Seruntine**

Do we have those off NS?

2y Like Reply



David Graham Patriquin replied · 1 Reply



**Shirley McIntyre**  
beautiful color

2y Like Reply



Comment as David Graham Patriquin

↗



X



↗



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**David Graham Patriquin**

January 17, 2023 ·

...

The "Stoplight" Parrotfish.

[Edit](#)

16

4



Most relevant ▾



**Bev Wigney**  
Beautiful!

2y [Like](#) [Reply](#)



**Anne Mills**  
Unusually beautiful colours!

2y [Like](#) [Reply](#)



**James Boyer**  
My favourite! Along with the cute 'trunk fish'

2y [Like](#) [Reply](#)



**Wendy McDonald**  
Great timing, you are missing our first heavy  
blanket of snow! Enjoy!

2y [Like](#) [Reply](#) [Edited](#)



Comment as David Graham Patriquin



X



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David Graham Patriquin

January 17, 2023

...

Today... 'Luv it!

Edit



37

11



Most relevant ▾



Mimmi Henriksen  
Fantastic!

2y Like Reply



David Graham Patriquin replied · 1 Reply



Kathleen Gidney  
Is this photo one of yours, David?

2y Like Reply



David Graham Patriquin replied · 1 Reply



Shirley McIntyre  
I suppose you dive in that?

2y Like Reply



David Graham Patriquin replied · 1 Reply



Comment as David Graham Patriquin



X



Edit

Ann Jamieson, C.e. Rodger and 6 others

2



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**Finn Sander**

How long are you guys staying in Barbados this time?

2y Like Reply

**Nina Patriquin**

We stay 3 months till 7 Apr.

2y Like Reply



Comment as David Graham Patriquin



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**David Graham Patriquin**

January 20, 2023



This fringing reef is largely dead in terms of coral cover, but there are always lots of fish, best place to find them is just seaward of the waves breaking on the reef crest, lots of small food flying about. Rod fishers catch some big ones here, they come in to feed on the abundant smaller fish. The reef lies in front of a storm water outfall which prob. explains the lack of coral cover (except near its seaward edge).

X



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**David Graham Patriquin**

January 20, 2023 .

...

Smallmouth grunts (many stripes) & yellow goatfish (1 stripe)

[Edit](#)



Ann Jamieson, C.e. Rodger and 4 others



Comment as David Graham Patriquin



X



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**David Graham Patriquin**

January 20, 2023 .

...

[Edit](#)



Ann Jamieson, C.e. Rodger and 4 others

1



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**Anne Mills**

Just another fish Dave!

2y [Like](#) [Reply](#)



Comment as David Graham Patriquin



X



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**David Graham Patriquin**

January 20, 2023 .

...

Blue Tang. They seem quite comfortable with me swimming along with them.

[Edit](#)



Ann Jamieson, C.e. Rodger and 4 others



Comment as David Graham Patriquin



X



↗



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**David Graham Patriquin**

January 20, 2023 .

...

In deeper water towards edge of the reef... another diseased coral, early stage.

[Edit](#)

You, Ann Jamieson, Petra Leica and 9 others

4



Most relevant ▾



**Graham Patriquin**

Dadders, what is the disease - more specifically is it across the Eastern Caribbean region or based mainly in Barbados and surrounding islands?

2y Like Reply



David Graham Patriquin replied · 1 Reply



**Ann Jamieson**

What causes this disease?

2y Like Reply



David Graham Patriquin replied · 1 Reply



Comment as David Graham Patriquin



↗

X



David Graham Patriquin

January 26, 2023 .

...

Yesterday, after a few hours documenting coral diseases, I needed some Blue Tang Therapy.

Edit



25 2 234



Most relevant ▾



Bev Wigney

Blue Tang Therapy would work for me too!  
Wonderful!

2y



David Graham Patriquin replied · 1 Reply



James Boyer

Love the Blue Tang Therapy! Or BTT as it is called in some circles.

2y



James Boyer replied · 2 Replies



Alan McHughen

Is coral (worldwide) threatened more by disease or by environmental changes (e.g. water temp)?

2y

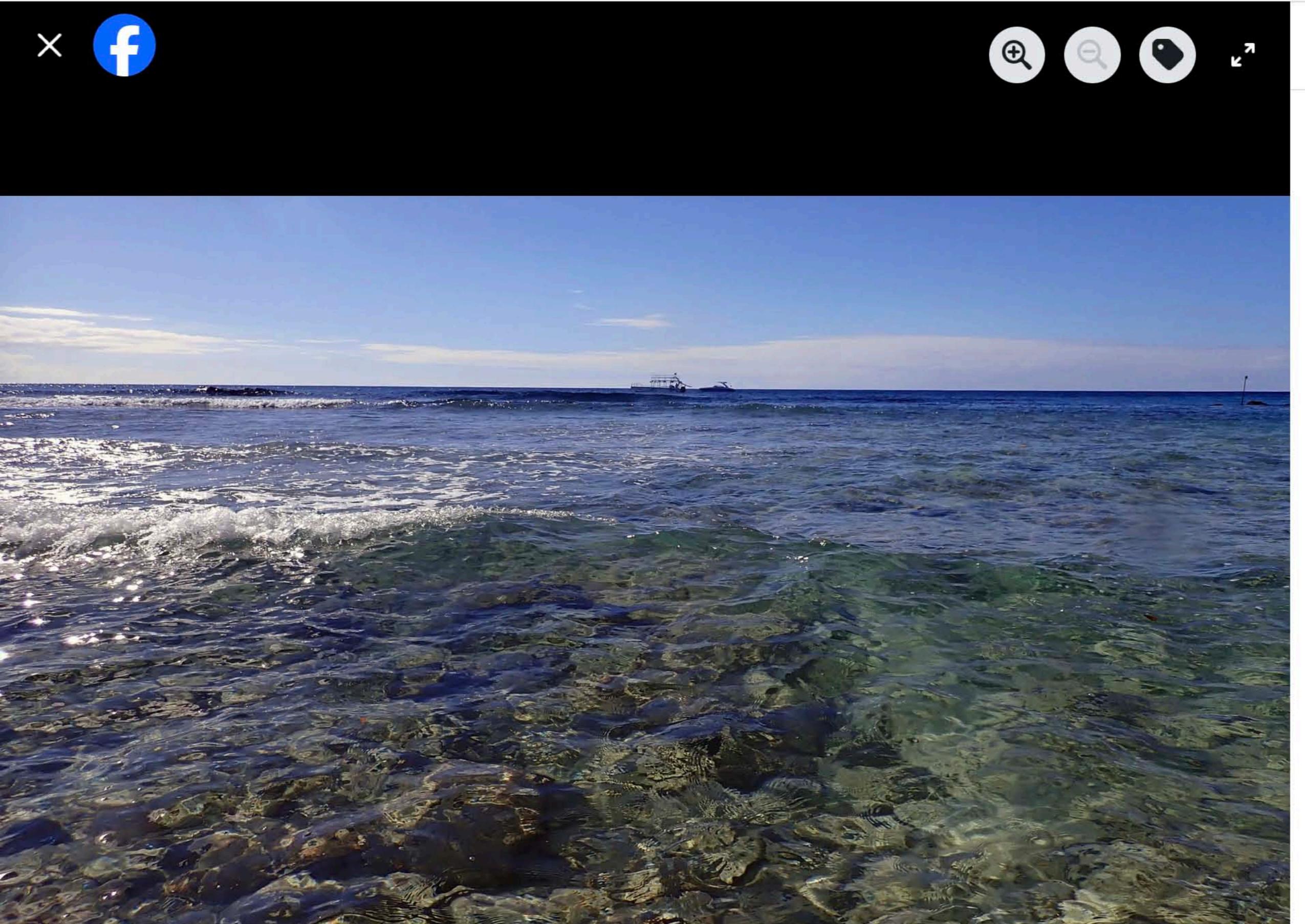


Comment as David Graham Patriquin



Blue Tang on Vauxhall Reef  
(Barbados) Jan 25, 2023





[X](#)

[f](#)

[🔍](#)

[🔍](#)

[🏷](#)

[↗](#)

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 **David Graham Patriquin** [January 31, 2023](#) 

The Good, the Bad & the Ugly... Jan 29th was a great day to take pics on 'The Vauxhall Reef'. 'Still lots to celebrate but a really bad disease is just getting started. I feel a compulsion to record the reef 'as it was'...it's much like the Wabanaki forest at home as individual tree species go down to devastating diseases. This particular reef is very healthy overall, really the best shallow water reef in whole Marine Protected Area. Those are snorkelling boats in the distance. <http://versicolor.ca/reef/> See less

[Edit](#)

 C.e. Rodger, Barbara Gordon and 5 others [1](#)

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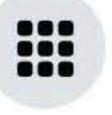
 **James Boyer**  
Thank you David for documenting these important areas and sharing these photos with us.

2y [Like](#) [Reply](#) 

 Comment as David Graham Patriquin

X



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**David Graham Patriquin**

January 31, 2023 .

...

in shallow water, a coral doing really well, *Acropora prolifera*. I "discovered" it on this reef in 2015 (the first record of it there). It has continued to thrive on the Reef Flat up to the Reef Crest. [See less](#)

[Edit](#)

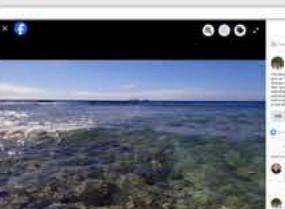
C.e. Rodger, Barbara Gordon and 5 others



Comment as David Graham Patriquin



▶



X



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David Graham Patriquin

January 31, 2023

...

Diploria clivosa, big colonies characteristic of the Reef Flat in Barbados as documented by my "Coral Reef Mentor", John Lewis, in 1960. With **Judith Lewis**

<https://cdnsciencepub.com/doi/10.1139/z60-118> See less

Edit

Like C.e. Rodger, Barbara Gordon and 5 others



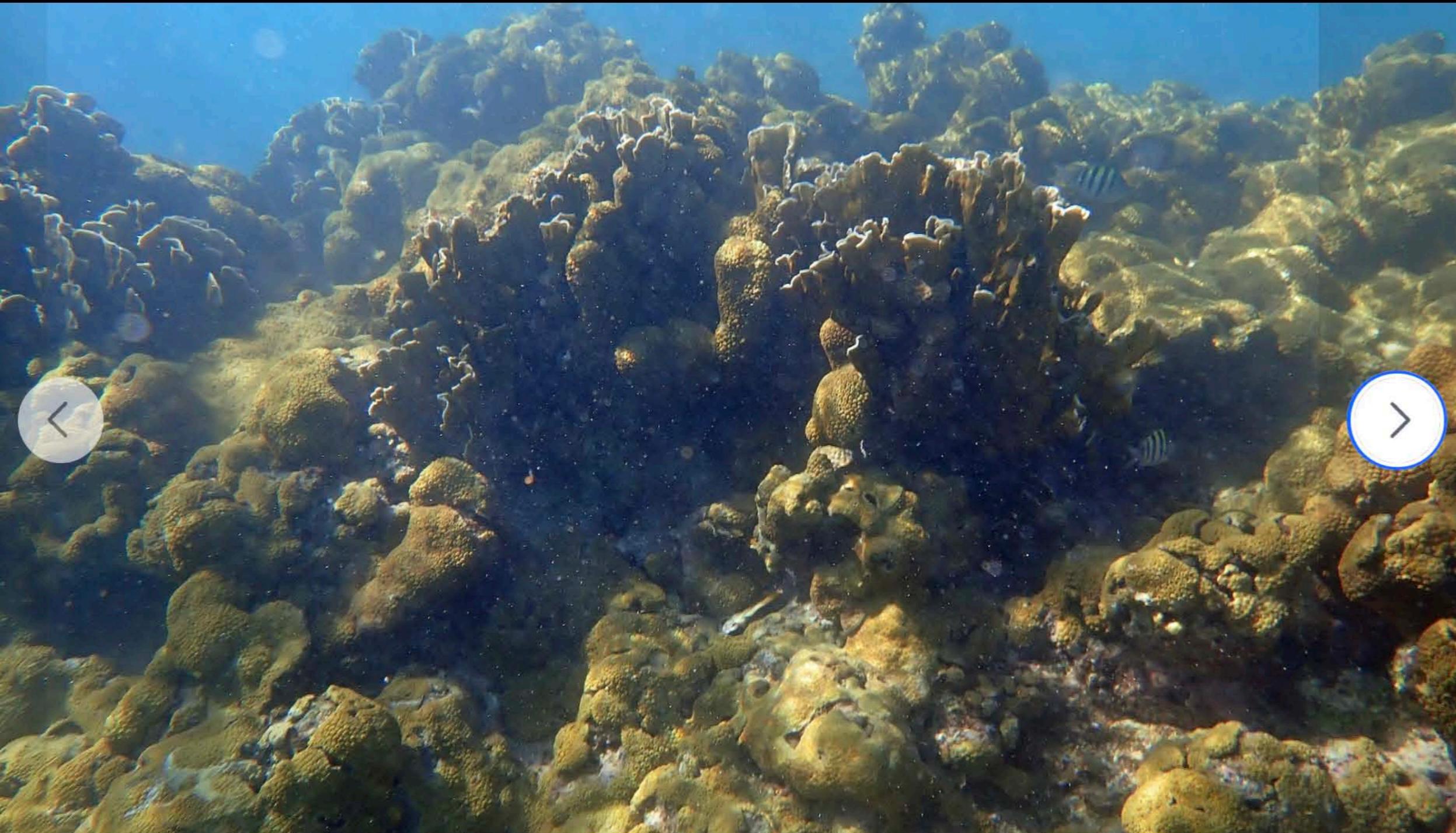
Comment as David Graham Patriquin



X



↗



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David Graham Patriquin

January 31, 2023 .

...

Palythoa, a colonial zooanthid, and Millepora, so called "stinging coral" at the beginning of the Reef Crest as you go seaward. These species are not corals and will not be affected by SCTLD (Stony Coral Tissue Loss Disease). <http://versicolor.ca/.../stony-coral-tissue-loss-in.../> See less

Edit

C.e. Rodger, Barbara Gordon and 4 others



Comment as David Graham Patriquin



X



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David Graham Patriquin

January 31, 2023 .

...

Typical assemblage on "Spurs" in the Reef Slope zone. The finger corals and stinging coral are not affected by SCTLD, but Starlet , greyish coral bottom left will likely be affected [See less](#)

Edit



C.e. Rodger, Barbara Gordon and 3 others



Comment as David Graham Patriquin



X

**David Graham Patriquin**

January 31, 2023 .

...

There were many of these Bar Jacks. Stinging Coral and Finger Coral in background are not affected by SCTLD. [See less](#)

**Edit**

Alice Giddy, Lesley-Jane Butters and 6 others

1



Most relevant ▾

**Norman Phinney**  
What a site thank you

2y

[Like](#) [Reply](#)

Comment as David Graham Patriquin



X



↗



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David Graham Patriquin

January 31, 2023

...

Yellow Goatfish. See less

Edit

Like C.e. Rodger, Barbara Gordon and 5 others



Comment as David Graham Patriquin



...

X



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David Graham Patriquin

January 31, 2023

...

Pillar Coral in foreground. It is susceptible to SCTLD. This is the "Spur & Groove" area of the reef, where coral spurs protrude seaward with sandy valleys between them. Living coral cover here is 80%+. [See less](#)

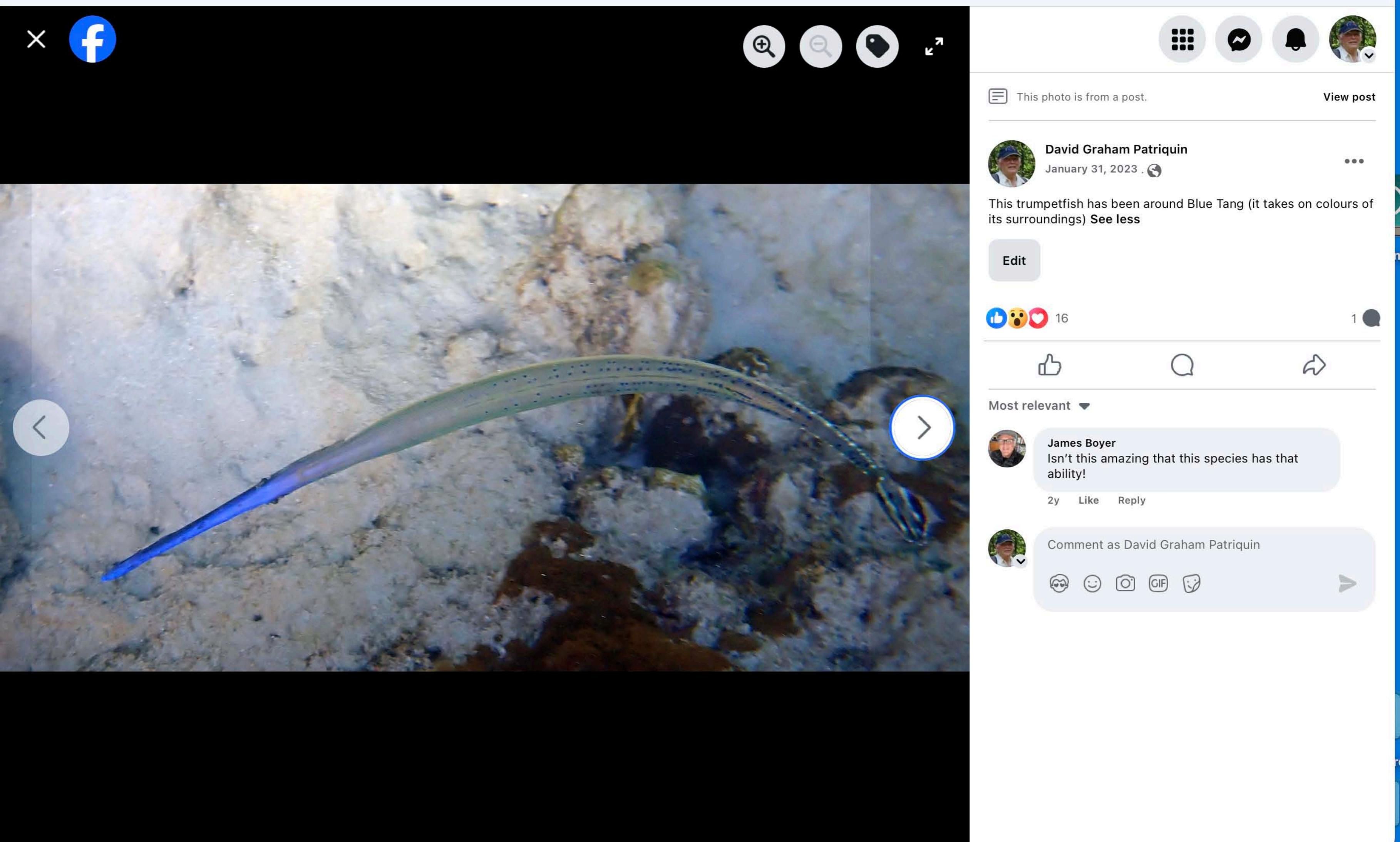
[Edit](#)

C.e. Rodger, Barbara Gordon and 3 others

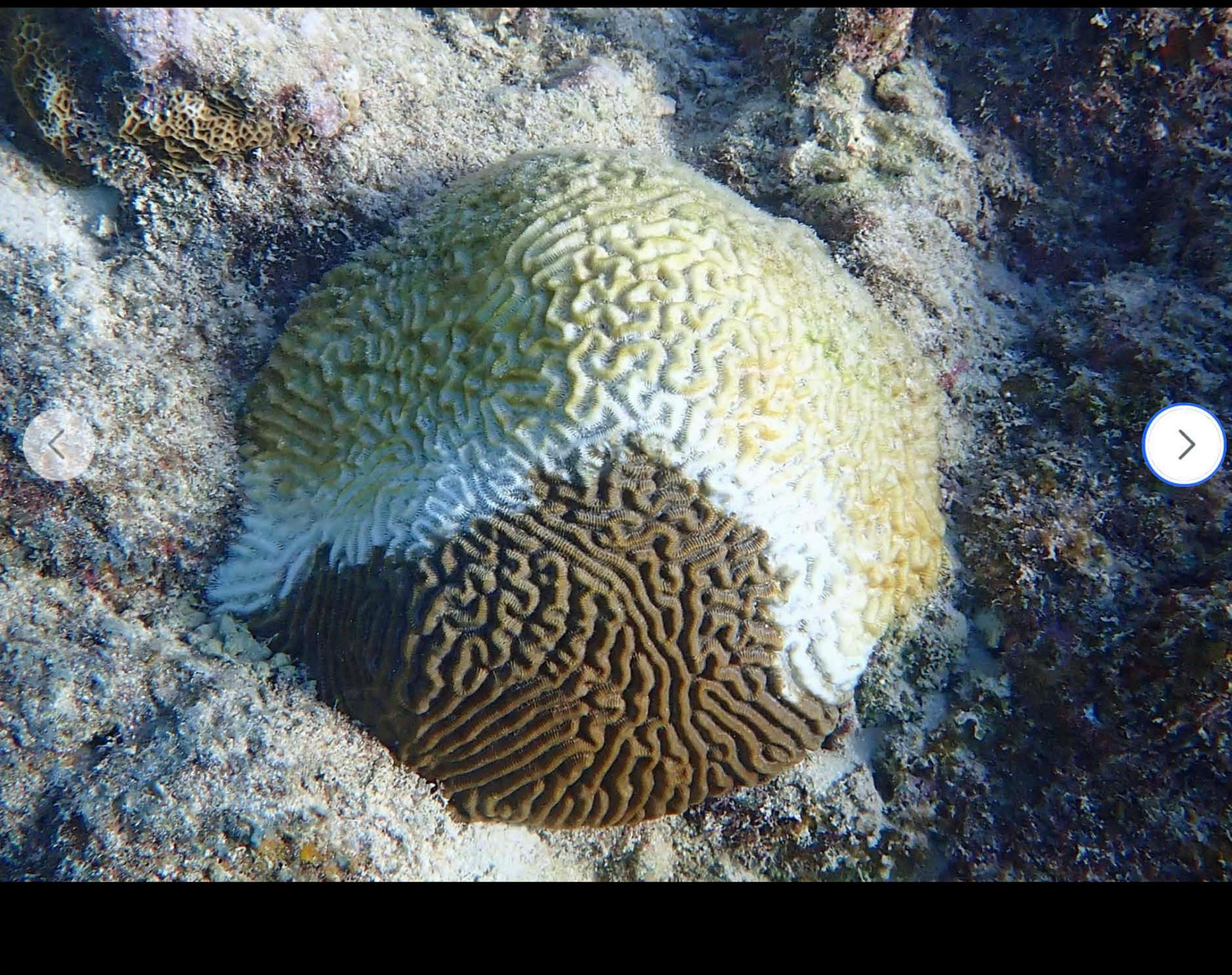


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David Graham Patriquin

January 31, 2023 .

...

Oh Oh SCTLD ("presumptive") on *P. strigosa*, a highly susceptible species. [See less](#)

[Edit](#)

C.e. Rodger, Norman Phinney and 7 others

9



Most relevant ▾



Eva Torsteinson

Whats happening there?

2y Like Reply



Ann Harding replied · 2 Replies



Bev Wigney

So this is how they look as they become diseased?

2y Like Reply



David Graham Patriquin replied · 1 Reply



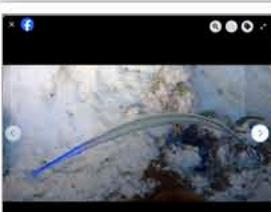
Finn Sander

Not so brainy anymore. Sad!

2y Like Reply



Comment as David Graham Patriquin



X



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**David Graham Patriquin**

January 31, 2023 .

...

I think it's a StopLight Parrotfish, but hard to tell from the view.  
'Love the eyes. A Yellow Light I guess. Pillar coral below. [See less](#)

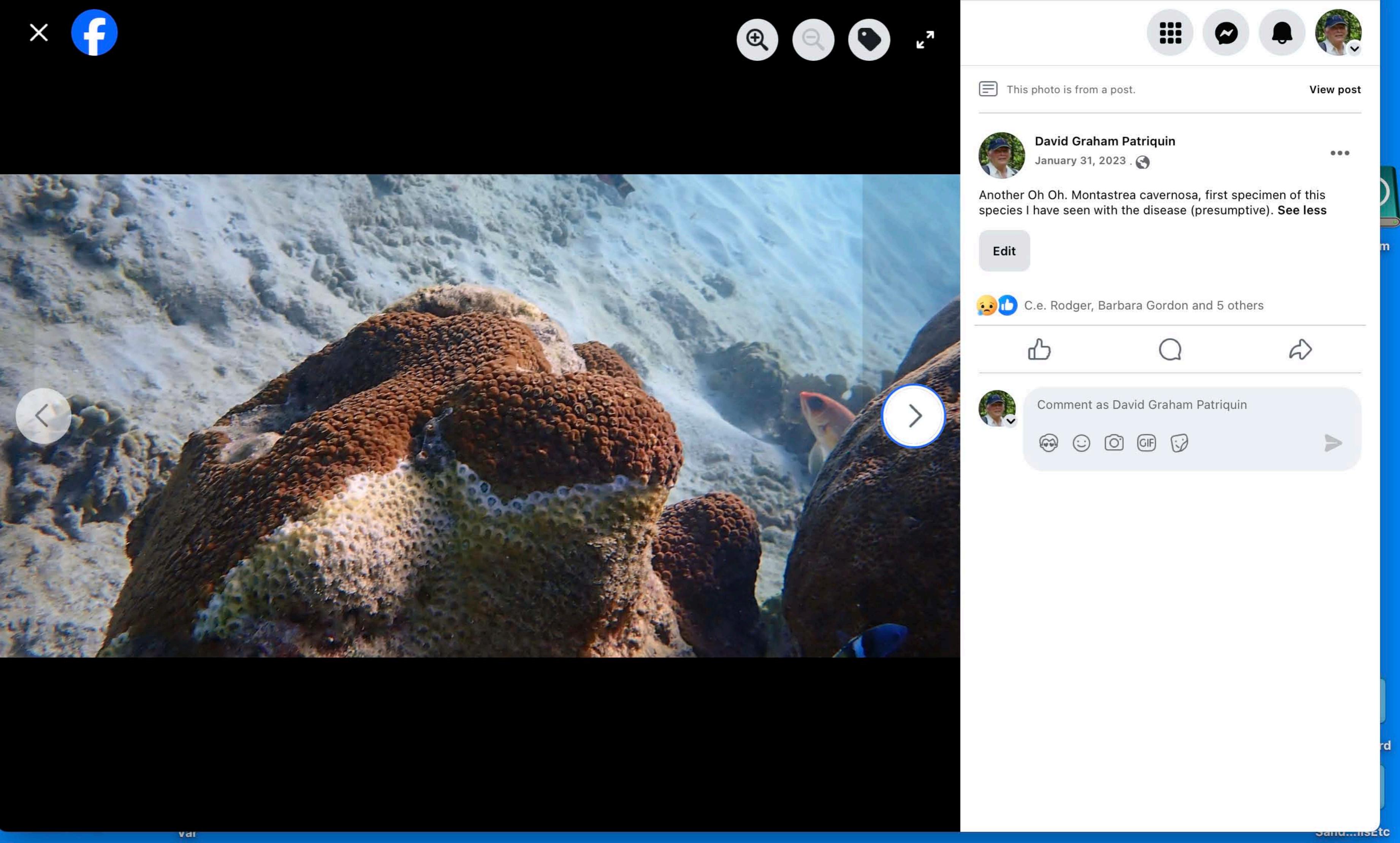
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C.e. Rodger, Barbara Gordon and 7 others



Comment as David Graham Patriquin





X



↗



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David Graham Patriquin

January 31, 2023.

...

Another Oh Oh. Montastrea cavernosa, first specimen of this species I have seen with the disease (presumptive). [See less](#)

[Edit](#)



C.e. Rodger, Barbara Gordon and 5 others



[Comment as David Graham Patriquin](#)



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**David Graham Patriquin**

January 31, 2023 ·

...

Brown Chromis fish are plankton eaters, always seem to hang around these stinging coral colonies. In background, stinging coral and finger coral; and grey starlet coral, only the latter is susceptible to SCTLD. (But at the bottom, yellow pencil coral, is 'Presumed susceptible') [See less](#)

[Edit](#)

C.e. Rodger, Barbara Gordon and 4 others



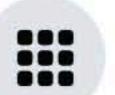
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X



K ↗



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**David Graham Patriquin**

January 31, 2023 .

...

Grunts hang around them too. [See less](#)

[Edit](#)



C.e. Rodger, Barbara Gordon and 3 others



Comment as David Graham Patriquin



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**David Graham Patriquin**

January 31, 2023 ·

...

'Saw at least a dozen Queen Parrotfish. See less

[Edit](#)



18

5



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**Joan Czapalay**

Did you hear them chewing?

2y [Like](#) [Reply](#)



Joan Czapalay replied · 2 Replies



**James Boyer**

Great news! I was worried that they were declining in numbers in that area.

2y [Like](#) [Reply](#)



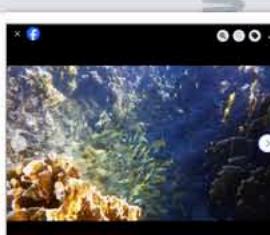
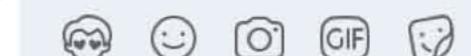
**Joshua Barss Donham**

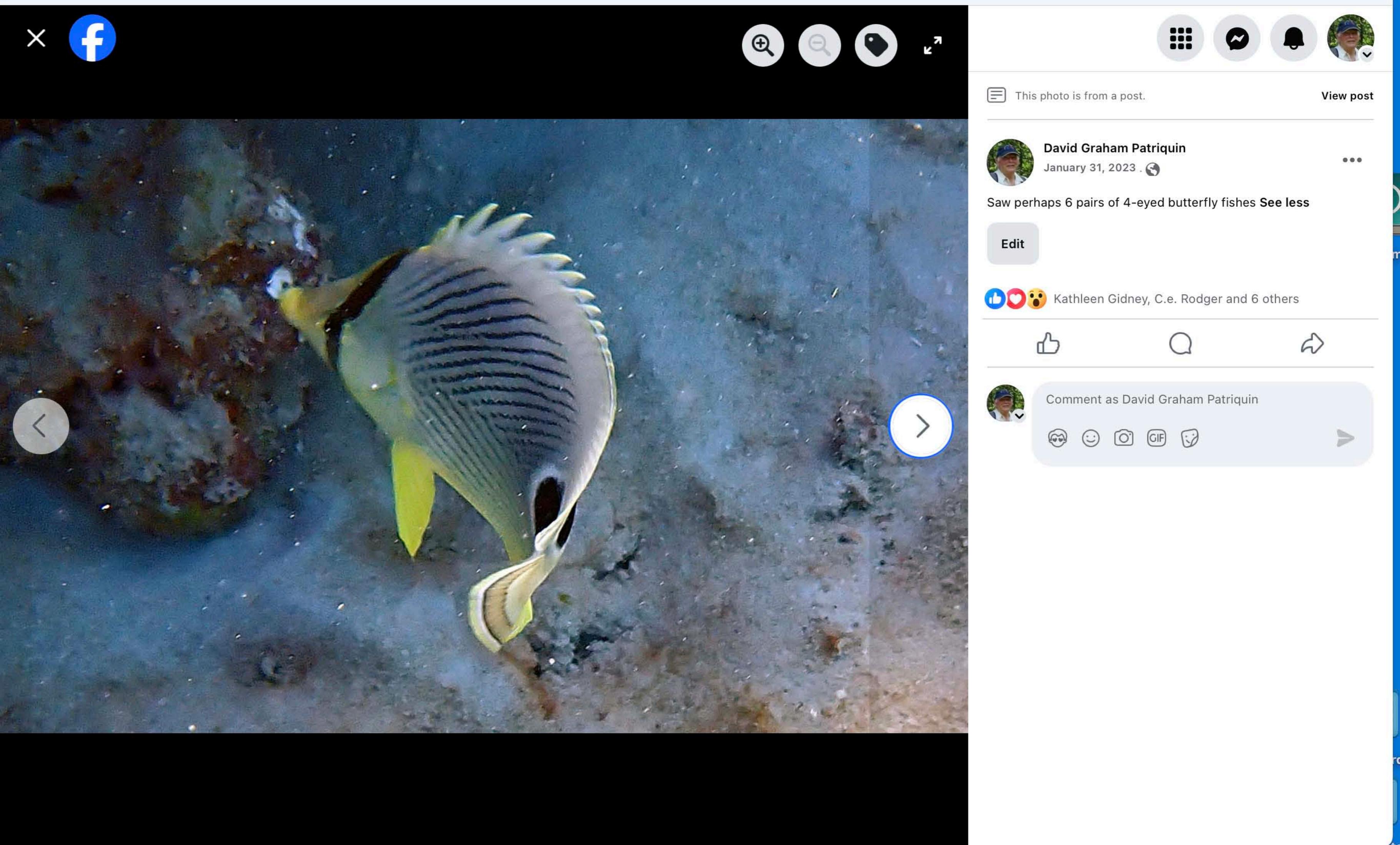
Beautiful fish!

2y [Like](#) [Reply](#)



Comment as David Graham Patriquin





X



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**David Graham Patriquin**

January 31, 2023 .

...

Saw perhaps 6 pairs of 4-eyed butterfly fishes [See less](#)

[Edit](#)



Kathleen Gidney, C.e. Rodger and 6 others



Comment as David Graham Patriquin



X



↶ ↷



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David Graham Patriquin

January 31, 2023 .

...

Navigating the stinging coral as I am getting back to shore at low tide. It's calm today, so not difficult. [See less](#)

[Edit](#)

C.e. Rodger, Barbara Gordon and 3 others



Comment as David Graham Patriquin

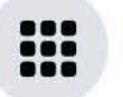


→

X



↗



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**David Graham Patriquin**

January 31, 2023 .

...

I call them Cities of Gold. In the 'Old Days' we resented these stinging corals (they are not closely related to real corals), today they maintain a lot of the diversity and structural integrity of the shallow water reefs. John Lewis wrote about them <https://pubmed.ncbi.nlm.nih.gov/16782450/> See less

[Edit](#)

C.e. Rodger, Barbara Gordon and 5 others

5



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**James Boyer**

Interesting photo! Are Stinging Coral also known as Flame Coral?

2y Like Reply



James Boyer replied · 4 Replies



Comment as David Graham Patriquin



X



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David Graham Patriquin

February 5, 2023

...

A perfect morning to celebrate my last day as a Seventies-Ager  
See less

Edit



Nancy Graham, C.e. Rodger and 4 others

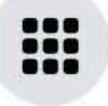


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>

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**David Graham Patriquin**

February 5, 2023 .

...

"Boys don't grow up", I was once told. [See less](#)

[Edit](#)



Teddy Zaghloul, Nancy Graham and 12 others

3



Most relevant ▾



**James Boyer**  
Keep it that way.

2y Like Reply



**Nina Patriquin**  
Happy Birthday to my wonderful husband!

2y Like Reply



**Nina Patriquin**



2y Like Reply



Comment as David Graham Patriquin



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**David Graham Patriquin**

February 5, 2023 .

...

My Catch-of-the-Day, Feb 5. [See less](#)

[Edit](#)



Alice Giddy, Teddy Zaghloul and 8 others

6



Most relevant



**Alan McHughen**

They're terrific with tarragon sauce.

2y

[Like](#)

[Reply](#)

[Edited](#)



Alan McHughen replied · 2 Replies



**James Boyer**

Parrot fish?

2y

[Like](#)

[Reply](#)



James Boyer replied · 2 Replies



Comment as David Graham Patriquin



X



K ↗

**David Graham Patriquin**

February 5, 2023 .

Stop-light parrotfish, juvenile. Feb 5 They are hermaphrodites, change predominant gender with age, most young are female, older ones are males and keep "harems" according to scientific lit.  
[See less](#)

[Edit](#)

36

3



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**Ron Arsenault**

Nice! I have never seen one of those.

2y [Like](#) [Reply](#)**Norman Phinney**

Wow Thank you

2y [Like](#) [Reply](#) **Sybil Nunn**

Don't tell the Republicans; they'll ban it.

2y [Like](#) [Reply](#) [Edited](#)

Comment as David Graham Patriquin



X



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**David Graham Patriquin**

February 12, 2023

...

No Net Sum Gain? Diseased brain coral with symptoms of SCTLD (Stony Coral Tissue Loss Disease) in a coral nursery area, next to propagated Staghorn coral. [See less](#)

[Edit](#)

16

7 1



Most relevant



**Anne Mills**

The background looks like snow...I know it's not.

2y Like Reply



Anne Mills replied · 2 Replies



**Thomas Rand**

Are the two corals touching each other?

2y Like Reply



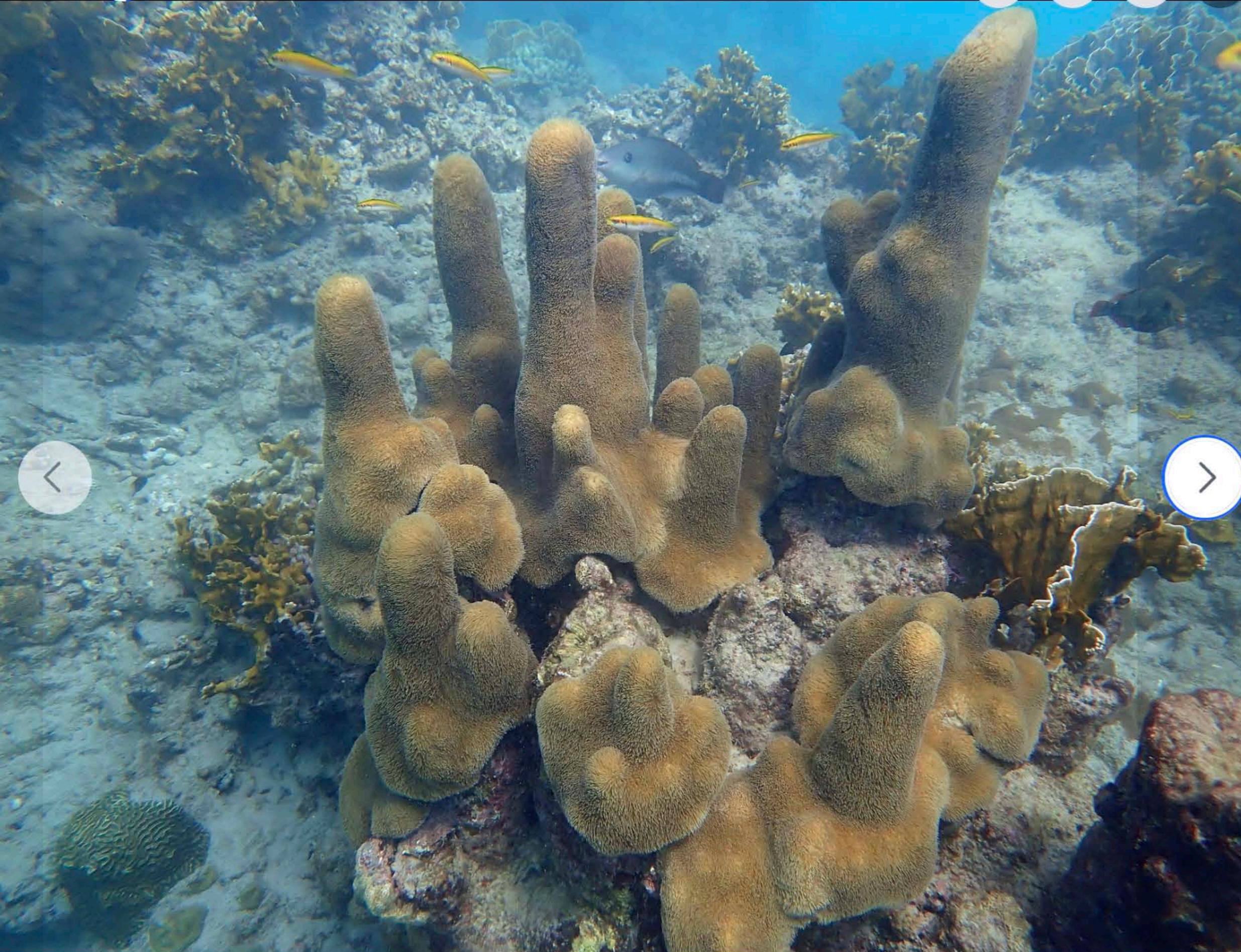
David Graham Patriquin replied · 3 Replies



Comment as David Graham Patriquin



X



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David Graham Patriquin

February 12, 2023 .

...

But is there actually SCTLD on the Vauxhall Reef? Very curious, the Pillar corals are supposed to be highly susceptible, but I have seen no signs of any disease on them. As "they" have not identified a specific pathogen, it's hard to confirm that SCTLD is actually present on this reef... that's what I learned after talking to an expert on this disease. In the meantime, she said, it is helpful to take pics of both healthy and diseased corals, so that's what I'm doin' More at <http://versicolor.ca.../stony-coral-tissue-loss-in.../>

Edit



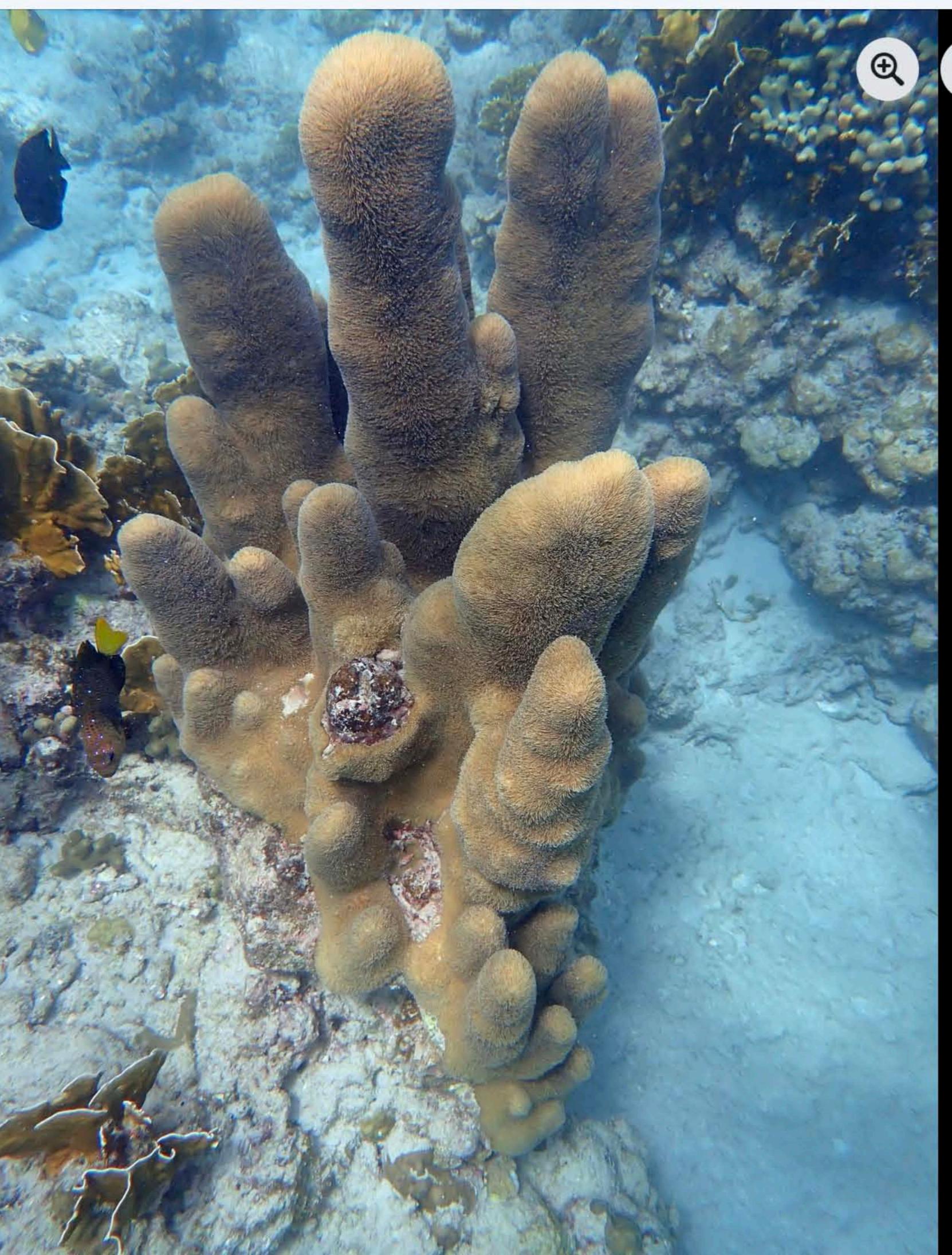
C.e. Rodger, Seamus Sullivan and 7 others



Comment as David Graham Patriquin



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**David Graham Patriquin**

February 12, 2023 .

...

Like a hand... [See less](#)

[Edit](#)



12

2 1



Most relevant ▾



**Thomas Rand**

This coral looks healthy David.

2y [Like](#) [Reply](#)



**David Graham Patriquin**

'Tis, an anomaly as it is supposed to be highly susceptible to SCTLD...

2y [Like](#) [Reply](#)



Comment as David Graham Patriquin



X



Edit

41

5 1



Most relevant ▾

**James Boyer**

A rare sighting! Wonderful. I've never seen one before so hope it stays in the area. Snow storm happening here now.

2y Like Reply

**Norman Phinney**

I have caught what we call a angle fish the gray in color and they are good eating. Now that is in Florida Atlantic coast. by the way great picture

2y Like Reply

**Anne Mills**  
Elegant fish.

2y Like Reply

**Maria Jessica Patriquin**  
omg I dont think dad ate it Norman!

Comment as David Graham Patriquin



X



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David Graham Patriquin

February 15, 2023



Catch of the Day (Feb 14): a pair of Whitespotted Filefish. They change colour with the surroundings, feed on Stinging Coral, sponges... so not sure what they might taste like. [See less](#)

Edit

14

6 1



Most relevant



Anita Columbus Cross

Where were you snorkeling David?

2y Like Reply



Anita Columbus Cross replied · 2 Replies



Finn Sander

You're lucky Dave. In my many years in Barbados, I never encountered a Whitespotted Filefish. Never saw any mermaids either.

2y Like Reply



Charles Edgar Bull replied · 2 Replies



Comment as David Graham Patriquin



Xfb🔍🔍🏷↗

<>

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**David Graham Patriquin**  
February 15, 2023 . 

Stinging Coral- food for filefish. I call these colonies "Cities of Gold", perhaps bronze today. [See less](#)

**Edit**

 Mimmi Henriksen, Sybil Nunn and 4 others

4 

Most relevant

**Finn Sander**  
Great photos, Dave. Wish I were there.  
2y Like Reply

**David Graham Patriquin**  
Me too... I Visited Bellairs reef today, so very poor, I found it very distressing.  
2y Like Reply

**Graham Patriquin**  
But still rather beautiful in bronze.  
2y Like Reply 

**Lesley Brooke**  
Noooo don't eat pretty filefish! keep to the lion fish.

Comment as David Graham Patriquin



X



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**David Graham Patriquin**

February 15, 2023 .

...

Also on the menu: Ballyhoo in schools near the surface [See less](#)

[Edit](#)



Sybil Nunn, Christina Harris and 3 others



Comment as David Graham Patriquin



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**David Graham Patriquin**

February 15, 2023 ·

...

Lionfish - the first I have seen this year. They flop about like plastic bags in the water. Serious invasive, but kept under pretty good control by fishing, they are apparently good eating. Not for me.  
[See less](#)

[Edit](#)



Sybil Nunn, Kathleen Gidney and 17 others

13



Most relevant ▾



**Anne Mills**  
Exotic to me!

2y Like Reply



Sandy Martin replied · 3 Replies



**Shirley McIntyre**  
Complicated looking

2y Like Reply



**Anita Columbus Cross**  
You need a lesson in how to clean them, very complicated.

2y Like Reply



Comment as David Graham Patriquin



X



↗



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**David Graham Patriquin**

February 15, 2023

...

Ugh Spotted Scorpionfish (Stonefish). More than anything else, these are what are feared most in my seagrass research days, saw many, fortunately never got impaled by one. "The spines located on the back of the fish can inject venom, so these animals can pose a danger to humans. The venom is composed of hemorrhagic, hemolytic and proteolytic activities, as well as cardiotoxins, which result in a drop in blood pressure, and heart and respiratory rate. Symptoms include excruciating pain at the site, followed by edema, erythema and occasionally skin necrosis, other symptoms include adenopathy, nausea, vomiting, agitation, malaise, sweating, tachycardia, arrhythmias, difficult to breath and severe hypotension. The main treatment for pain is to immerse the affected limb in hot water (45–50 ° C) until the pain is relieved. The LD50 for the venom of this species is 0.28 mg / kg". Bajans also advise drinking 20 oz of rhum immediately. I think **Finn Sander** has had the experience, at least the pain part. [See less](#)

[Edit](#)



Mimmi Henriksen, J Sherman Boates and 12 others

7



Most relevant



**Shirley McIntyre**  
Stay away from them

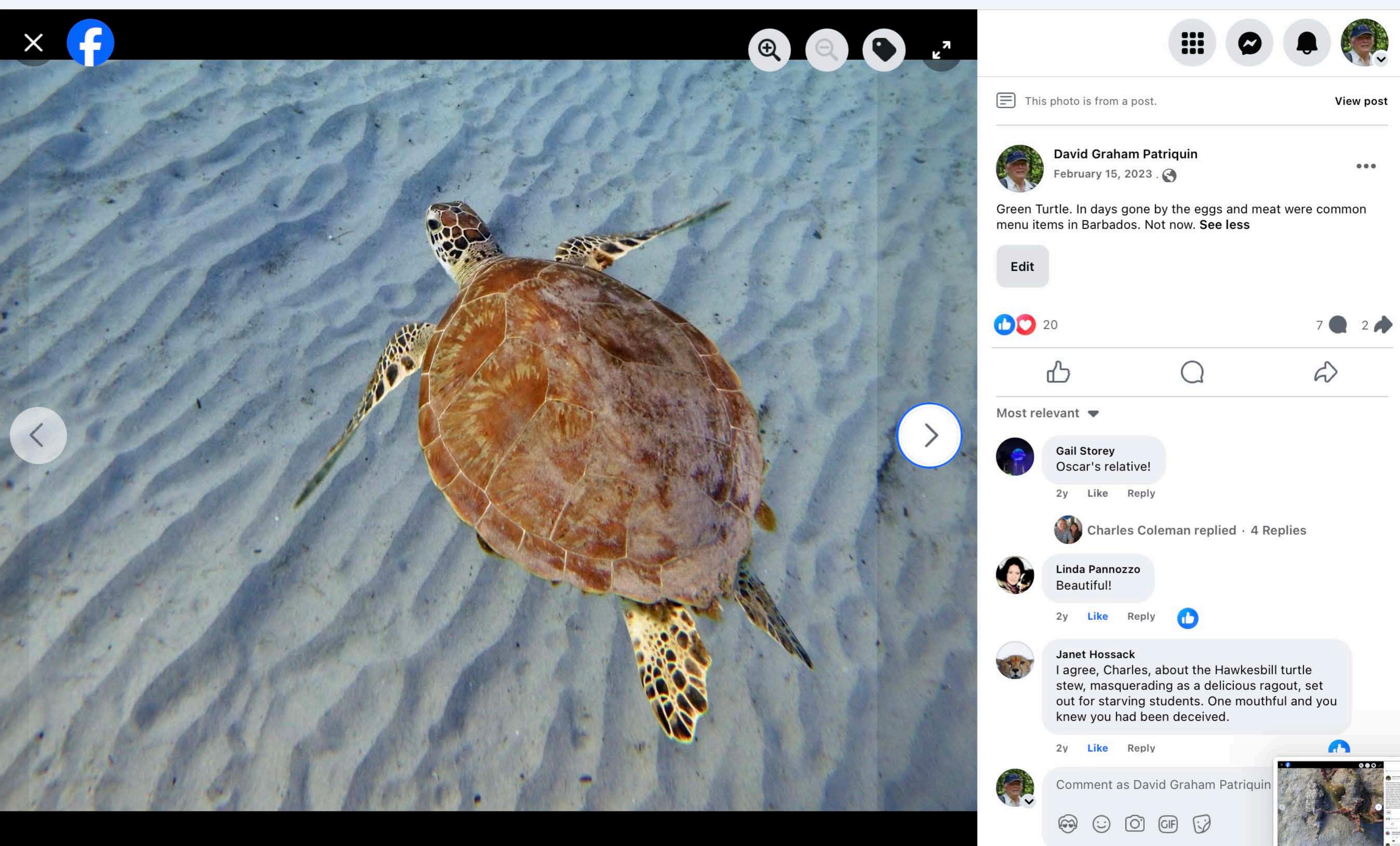
2y

Like Reply

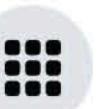
2



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David Graham Patriquin

February 15, 2023 .

...

Tarpon, about 5 ft [See less](#)

Edit



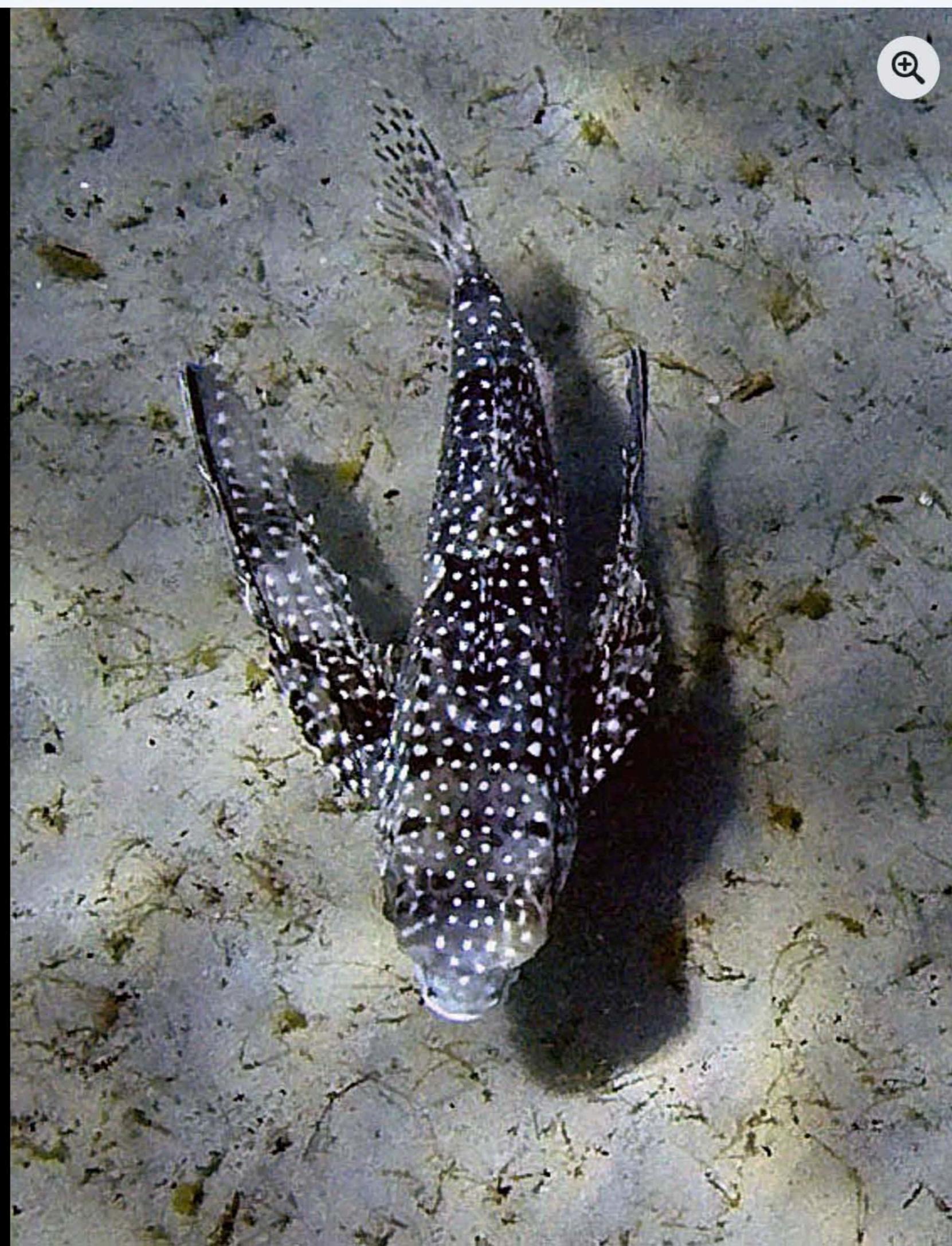
Sandy Martin, Mary Manley and 14 others



Comment as David Graham Patriquin



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**David Graham Patriquin**

February 15, 2023

...

On the menu yesterday...but I was not going to eat it! Flying Gurnard, known locally as Bat Fish [See less](#)

[Edit](#)



Mimmi Henriksen, Sandy Martin and 20 others

3



Most relevant



**Anita Columbus Cross**

I've seen lots of these in the past down Surfside way.

2y Like Reply



**Sybil Nunn**

Do you not eat fish ?

2y Like Reply



David Graham Patriquin replied · 1 Reply



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**David Graham Patriquin**

February 15, 2023 .

...

Final offering: Palometa (possibly) 'Hard to capture them against the sandy background [See less](#)

[Edit](#)

18

5



Most relevant ▾



**Anne Mills**

What a stunning series of fish species Dave. I don't think I have ever seen these species, even in pictures. Extraordinary diversity. Thank you for the introduction!!

2y [Like](#) [Reply](#)



**David Graham Patriquin** replied · 1 Reply



**Eva Torsteinson**

Very cool that looks like artwork

2y [Like](#) [Reply](#)



**Thomas Rand**

We know them as pompano.

2y [Like](#) [Reply](#)



**Comment as David Graham Patriquin**

>

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**David Graham Patriquin**

February 19, 2023 .

...

Todays Fish Pics (Feb 19) [See less](#)

[Edit](#)



Joshua Barss Donham, Sybil Nunn and 10 others



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>

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David Graham Patriquin

February 19, 2023

Got it this time (Palometa) See less

Edit



Joshua Barss Donham, Sybil Nunn and 7 others

1



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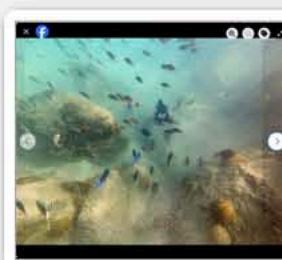
Thomas Rand

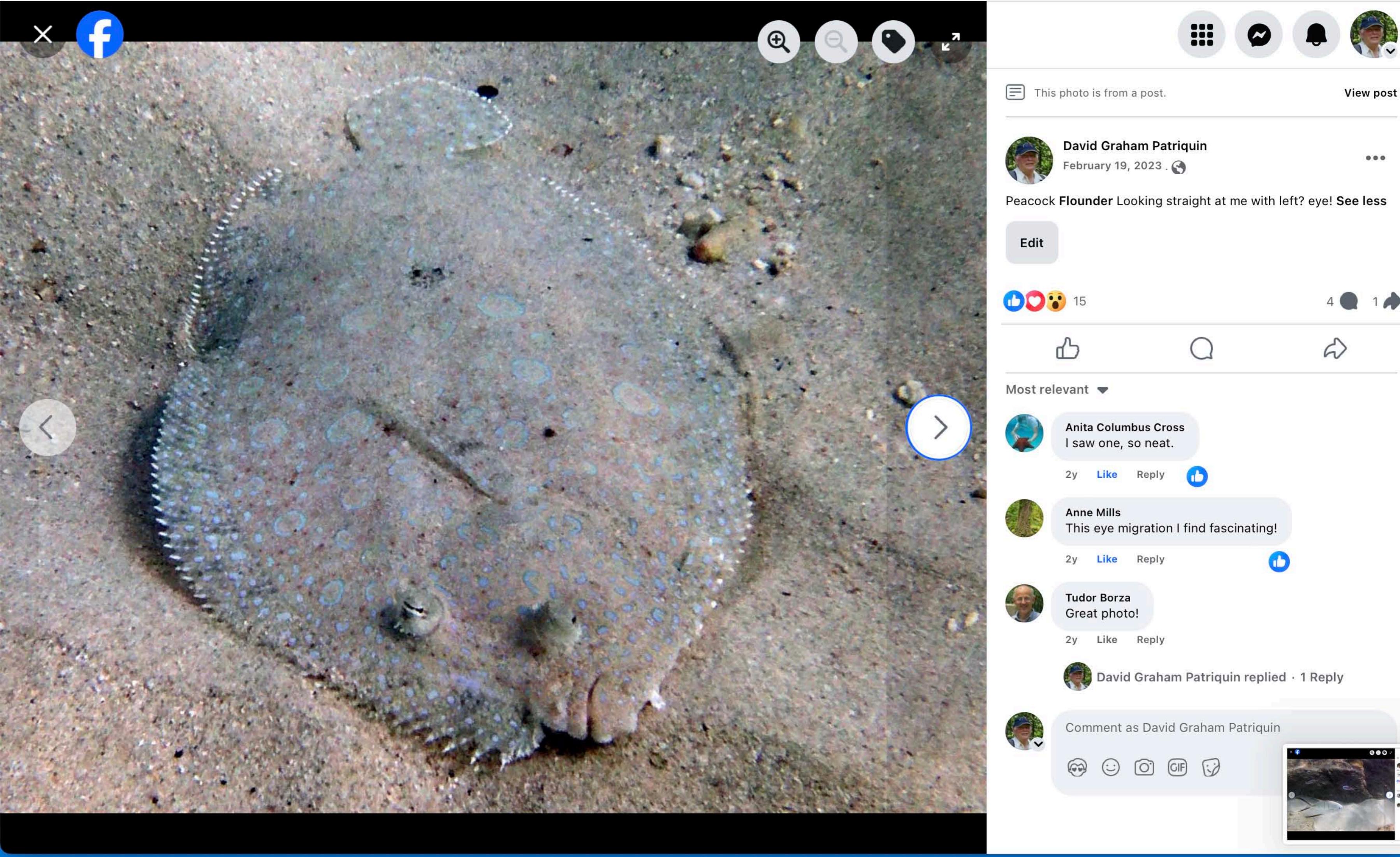
Pompano in Bermuda. 😊

2y Like Reply



Comment as David Graham Patriquin





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David Graham Patriquin

February 19, 2023

...

Peacock Flounder Looking straight at me with left? eye! [See less](#)

[Edit](#)

15

4 1



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Anita Columbus Cross  
I saw one, so neat.

2y [Like](#) [Reply](#)



Anne Mills  
This eye migration I find fascinating!

2y [Like](#) [Reply](#)



Tudor Borza  
Great photo!

2y [Like](#) [Reply](#)



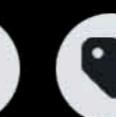
David Graham Patriquin replied · 1 Reply



Comment as David Graham Patriquin



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David Graham Patriquin

February 19, 2023



Bat fish in full flight. They are kind of creepy. [See less](#)

Edit



19

7



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Bev Wigney

Looks beautiful to me!

2y Like Reply



Bev Wigney replied · 2 Replies



Audrey Burton

They look so pretty to me thanks for sharing your great pictures Dave.

2y Like Reply

2



Thomas Rand

The same as flying gurnard?

2y Like Reply

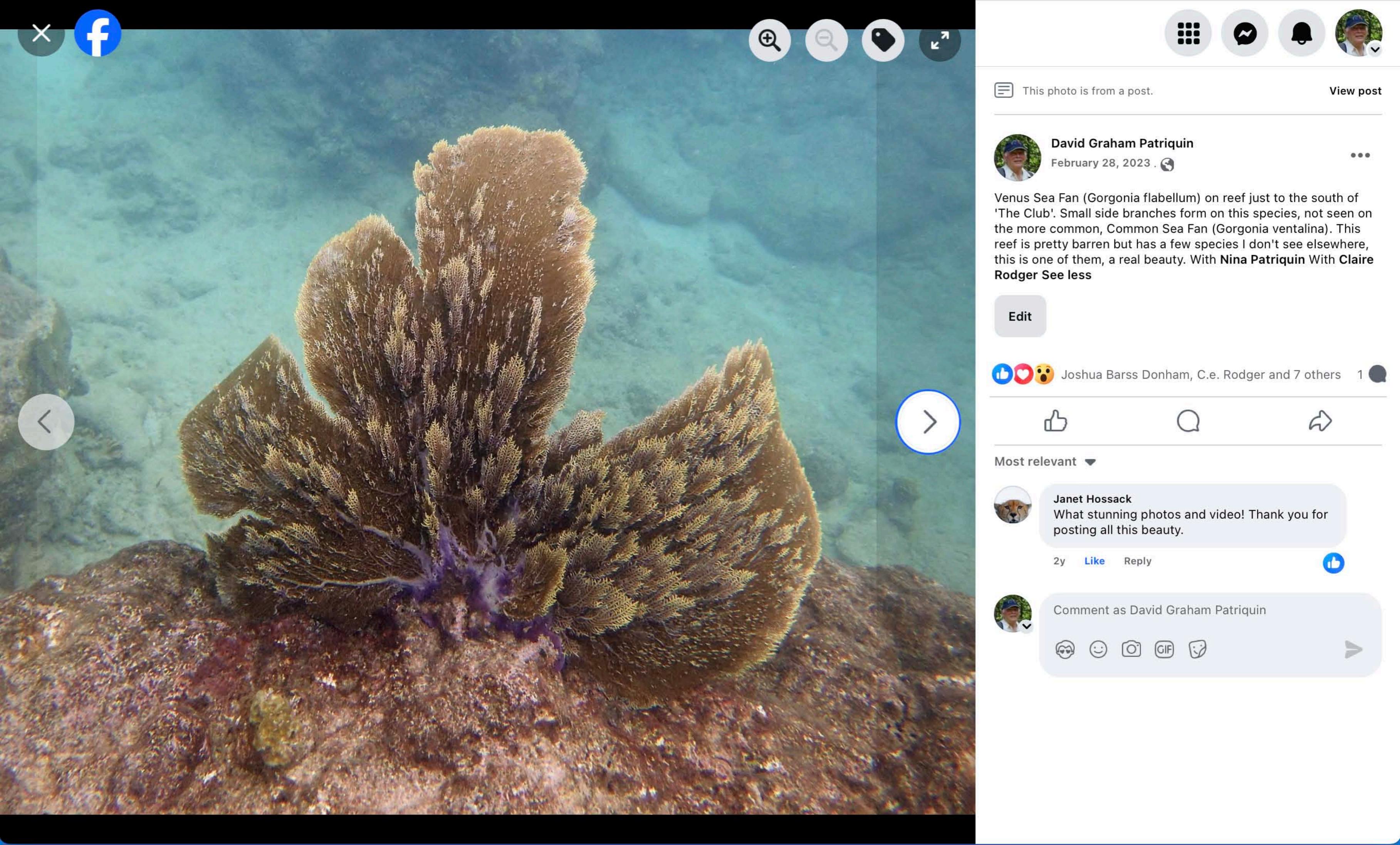


David Graham Patriquin replied · 1 Reply



Comment as David Graham Patriquin





X

f



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David Graham Patriquin

February 28, 2023 .

...

Venus Sea Fan (*Gorgonia flabellum*) on reef just to the south of 'The Club'. Small side branches form on this species, not seen on the more common, Common Sea Fan (*Gorgonia ventalina*). This reef is pretty barren but has a few species I don't see elsewhere, this is one of them, a real beauty. With **Nina Patriquin With Claire Rodger See less**

[Edit](#)

Joshua Barss Donham, C.e. Rodger and 7 others 1



Most relevant ▾



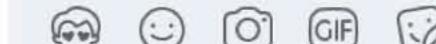
Janet Hossack

What stunning photos and video! Thank you for posting all this beauty.

2y [Like](#) [Reply](#)



Comment as David Graham Patriquin





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**David Graham Patriquin**

February 28, 2023

Venus Sea Fan on otherwise barren appearing landscape

[Edit](#)



114



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**David Graham Patriquin**

February 28, 2023 .

...

The more common, Common Sea Fan

[Edit](#)

[Joshua Barss Donham, C.e. Rodger and 1 other](#)

1



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**Christina Harris**  
Fabulous

2y [Like](#) [Reply](#)



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## David Graham Patriquin

February 28, 2023 . 

These are the "fringing reefs" in the Barbados MPA (Marine Protected Area). The Reef with the Venus Sea Fan is #33. More explanation here: <http://versicolor.ca/barbados/mpa/>

**Edit**

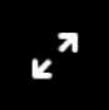
  C.e. Rodger and Gail Storey



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What they saw...

[Edit](#)

  Alan McHughen, C.e. Rodger and 6 others 3

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 James Boyer  
Wonderful!! 2y [Like](#) [Reply](#) 

 Sheila Stevenson  
Fabulous. 2y [Like](#) [Reply](#) 

 Robert Kamper  
Snorkeling  reefs!! Fun fun fun! 2y [Like](#) [Reply](#) 

 Comment as David Graham Patriquin



David Graham Patriquin  
March 5, 2023 . <https://www.facebook.com/Coral Reef Restoration Alliance - CORALL Barbados>

Student days never end, I guess. In 1966, i took a field course at McGill's Bellairs Research Institute in Barbados, my intro to tropical marine biology. 'Last couple of days I volunteered with CORALL to help host a McGill geography student field class. CORALL: <https://www.facebook.com/Coral Reef Restoration Alliance - CORALL Barbados>

Andrew Rand, Alice Giddy and 10 others

2

Most relevant

Norman Phinney  
Not bad for a young man great pictures

2y Like Reply

James Boyer  
Wow! Some guys have all the luck! I'm very envious!! But keep up the great pictures. Hope to see you and Nina in a few weeks.

2y Like Reply

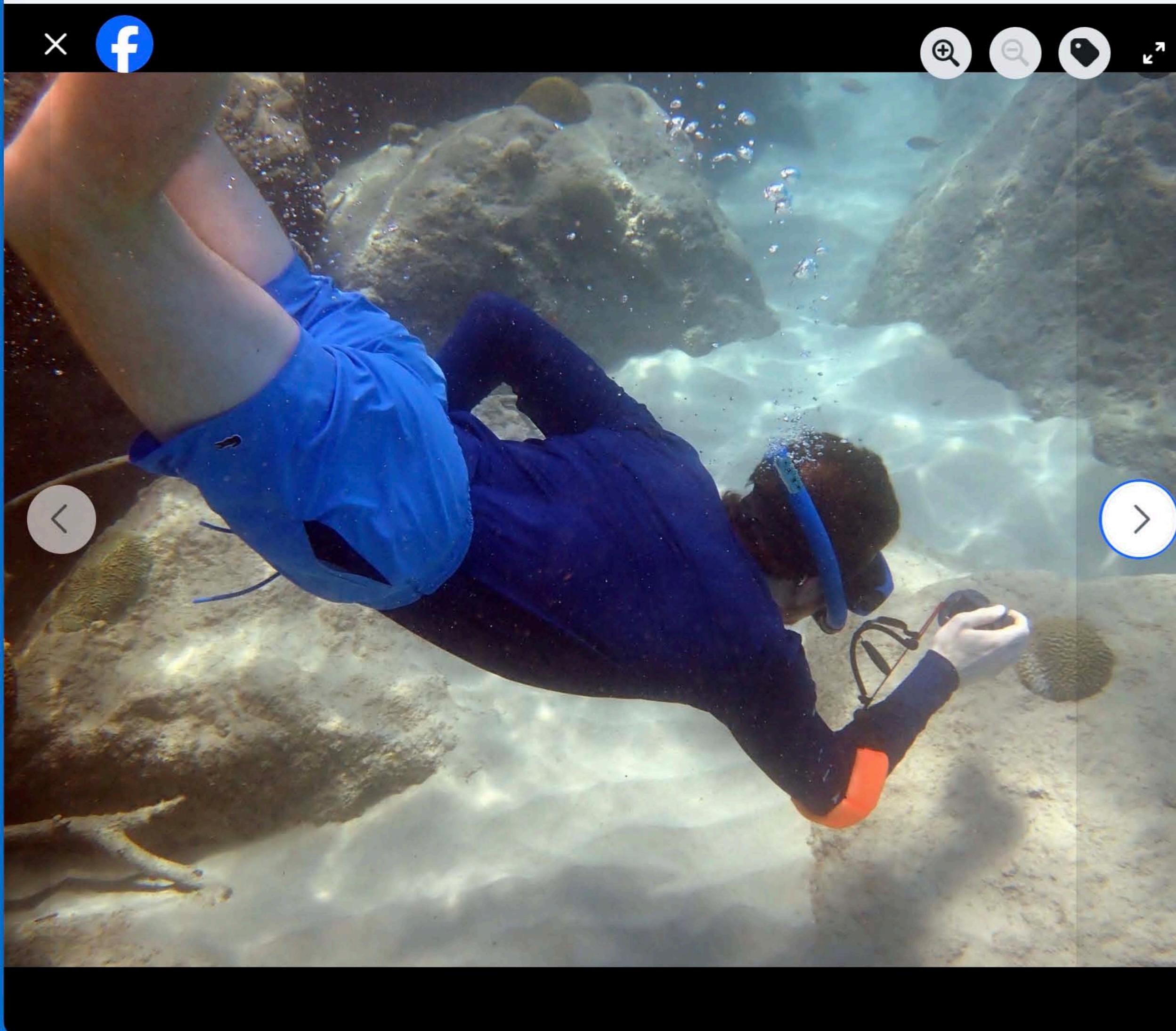
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**David Graham Patriquin**

March 5, 2023 .

...

Their project: to document coral disease at several sites... here on a breakwater.

[Edit](#)



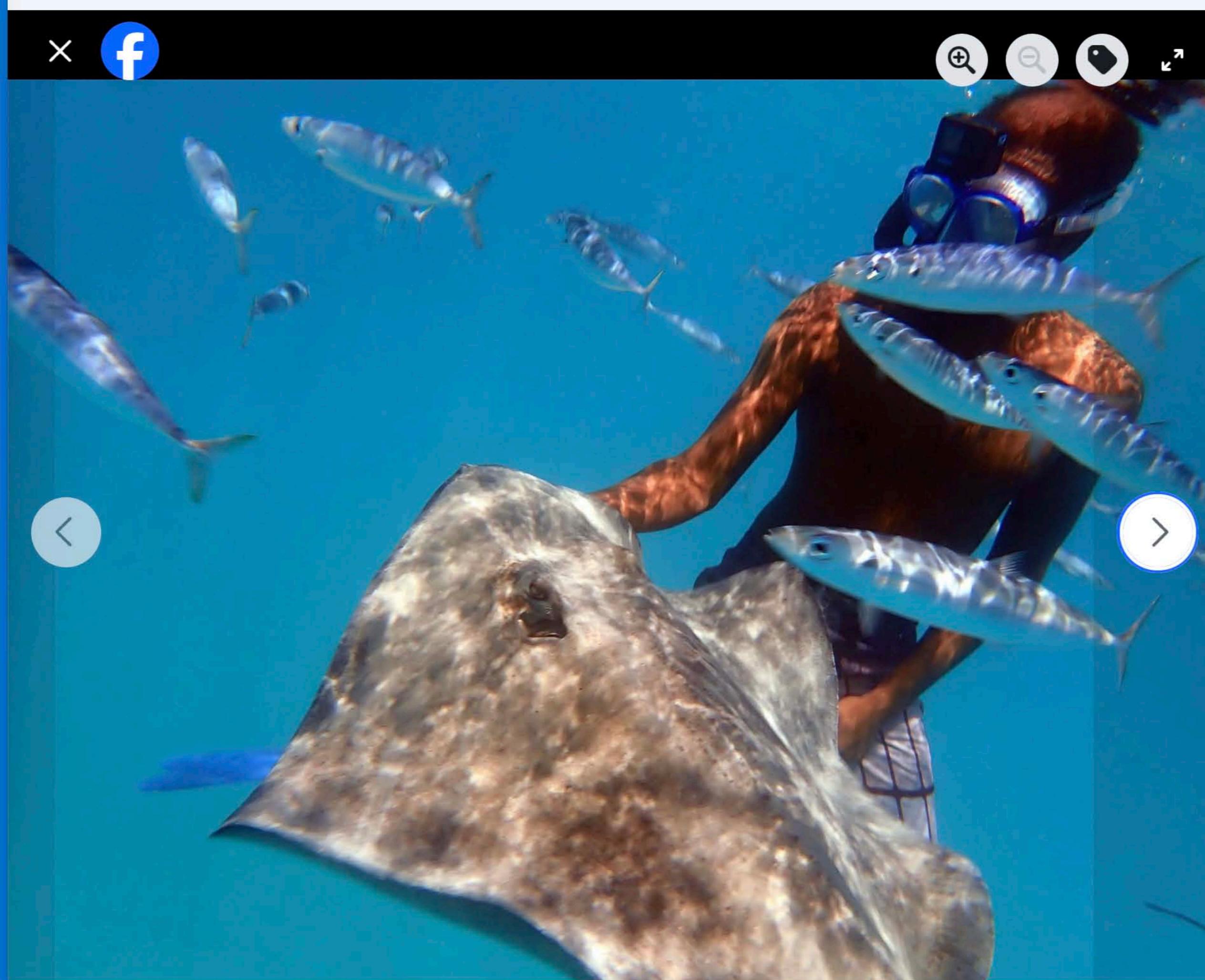
C.e. Rodger, June Trenholm and 3 others



Comment as David Graham Patriquin



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David Graham Patriquin

March 5, 2023

...

There was a turtle-feeding snorkel tourist activity nearby. They were also feeding sting rays... this ray followed us all to shore looking for more food... a lesson in something.

Edit



C.e. Rodger, June Trenholm and 6 others

2



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Sheila Stevenson  
Something indeed!

2y Like Reply



Maria Jessica Patriquin  
thats for sure

2y Like Reply

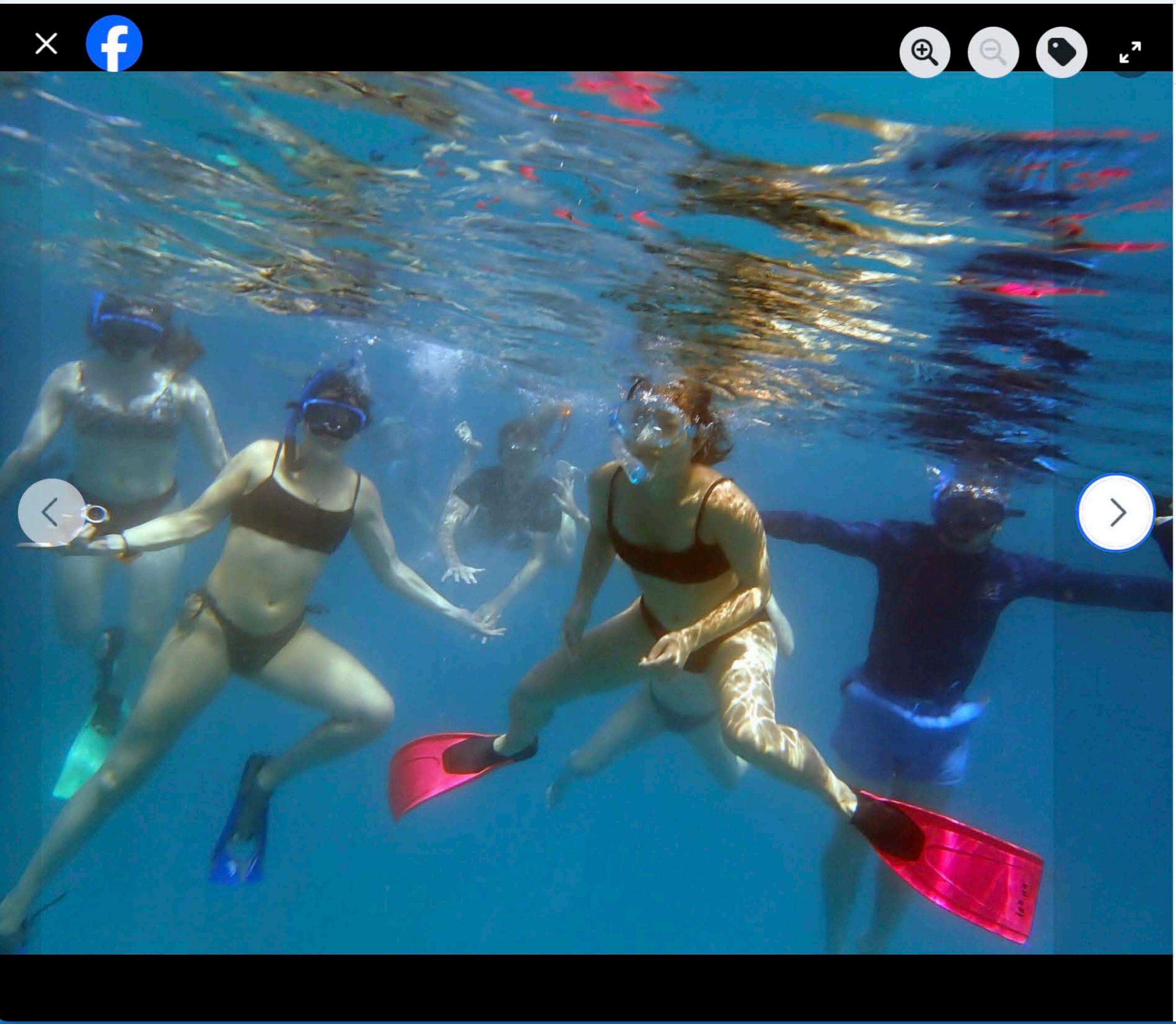


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 **David Graham Patriquin**  
March 5, 2023 . 

I gave them one of my 2 underwater cameras to document the corals and record their participation...

[Edit](#)

   11 2

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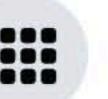
 **Sheila Stevenson**  
They were so fortunate!  
2y Like Reply

 **David Graham Patriquin** replied · 1 Reply

 Comment as David Graham Patriquin  
 



X



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David Graham Patriquin

March 5, 2023 .

...

Day 2, we go to a currently healthy reef to look for diseased corals. My oft-snorkelling partner **Claire Rodger** at left also helped coordinate "the kids"; they were wonderful.

Edit

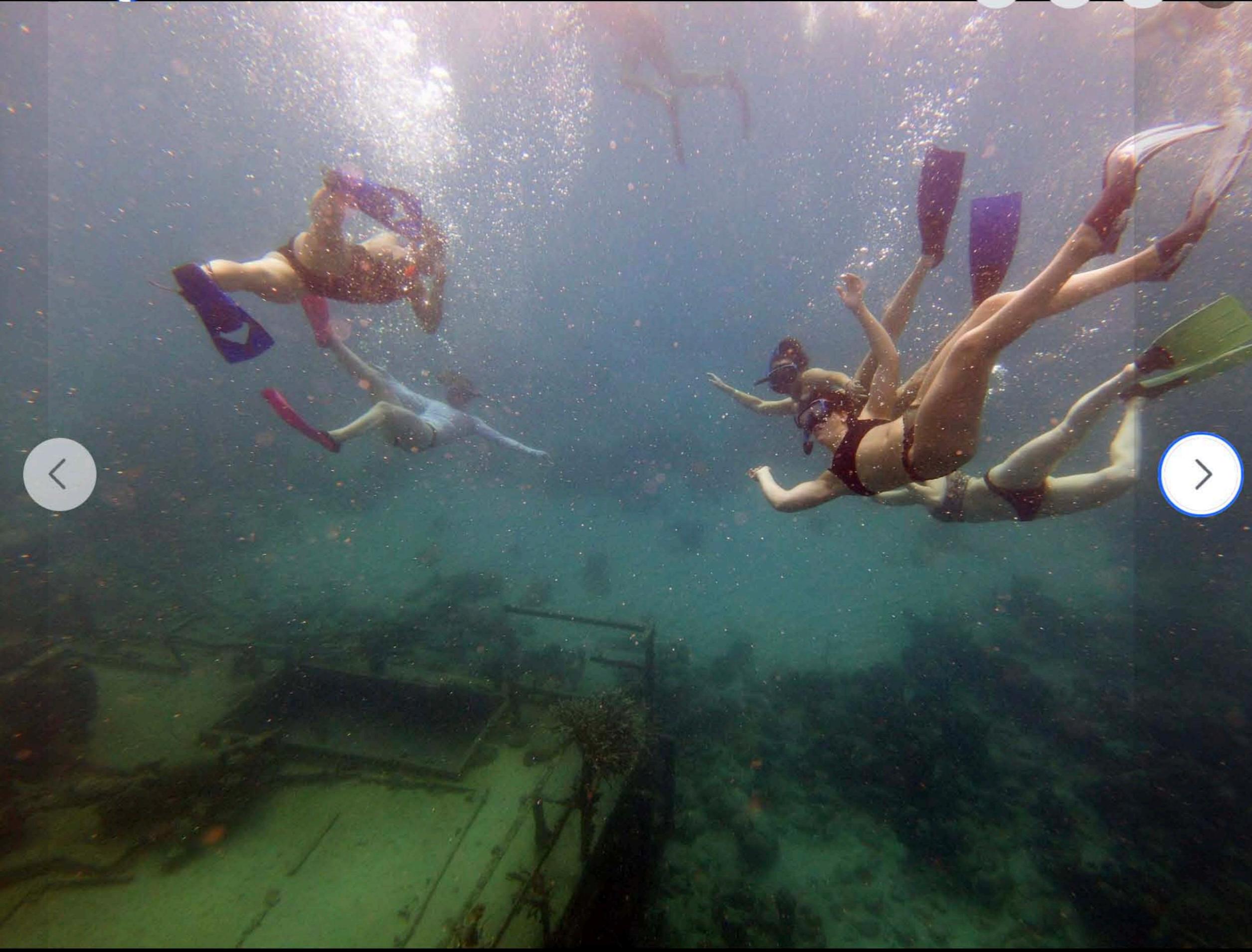
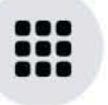
Fred Stillman, C.e. Rodger and 6 others



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**David Graham Patriquin**

March 5, 2023



On "The Wreck".

Edit



J Sherman Boates, Kathleen Gidney and 12 others



Most relevant



**Bev Wigney**  
Cool photo.

2y Like Reply



David Graham Patriquin replied · 1 Reply



**Sandy Martin**  
Sigh... what a job...

2y Like Reply



**James Boyer**  
Interesting photo!

2y Like Reply



Comment as David Graham Patriquin



X



↗



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David Graham Patriquin

March 5, 2023 .

...

Healthy reef now, will it stay so? The dominant coral here is susceptible to the disease that's sweeping the Caribbean.

Edit

June Trenholm, Christina Harris and 4 others

1



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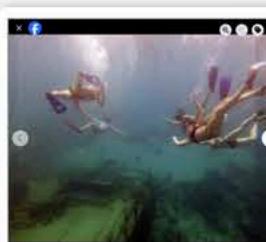
Anne Mills

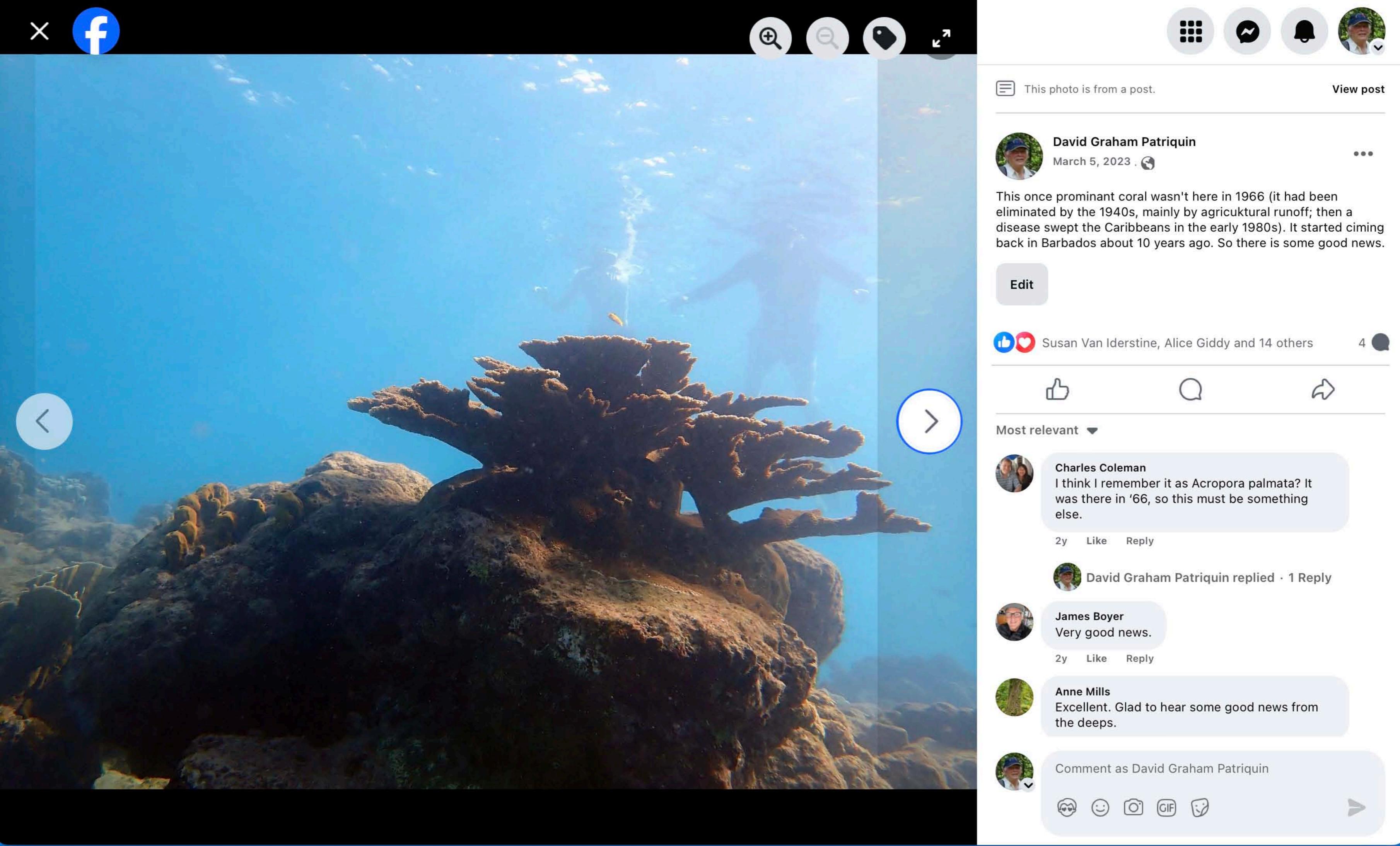
Let's hope it escapes the "blight".

2y Like Reply



Comment as David Graham Patriquin





X



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David Graham Patriquin

March 5, 2023

...

This once prominent coral wasn't here in 1966 (it had been eliminated by the 1940s, mainly by agricultural runoff; then a disease swept the Caribbean in the early 1980s). It started coming back in Barbados about 10 years ago. So there is some good news.

Edit



Susan Van Iderstine, Alice Giddy and 14 others

4



Most relevant



Charles Coleman

I think I remember it as Acropora palmata? It was there in '66, so this must be something else.

2y Like Reply



David Graham Patriquin replied · 1 Reply



James Boyer  
Very good news.

2y Like Reply



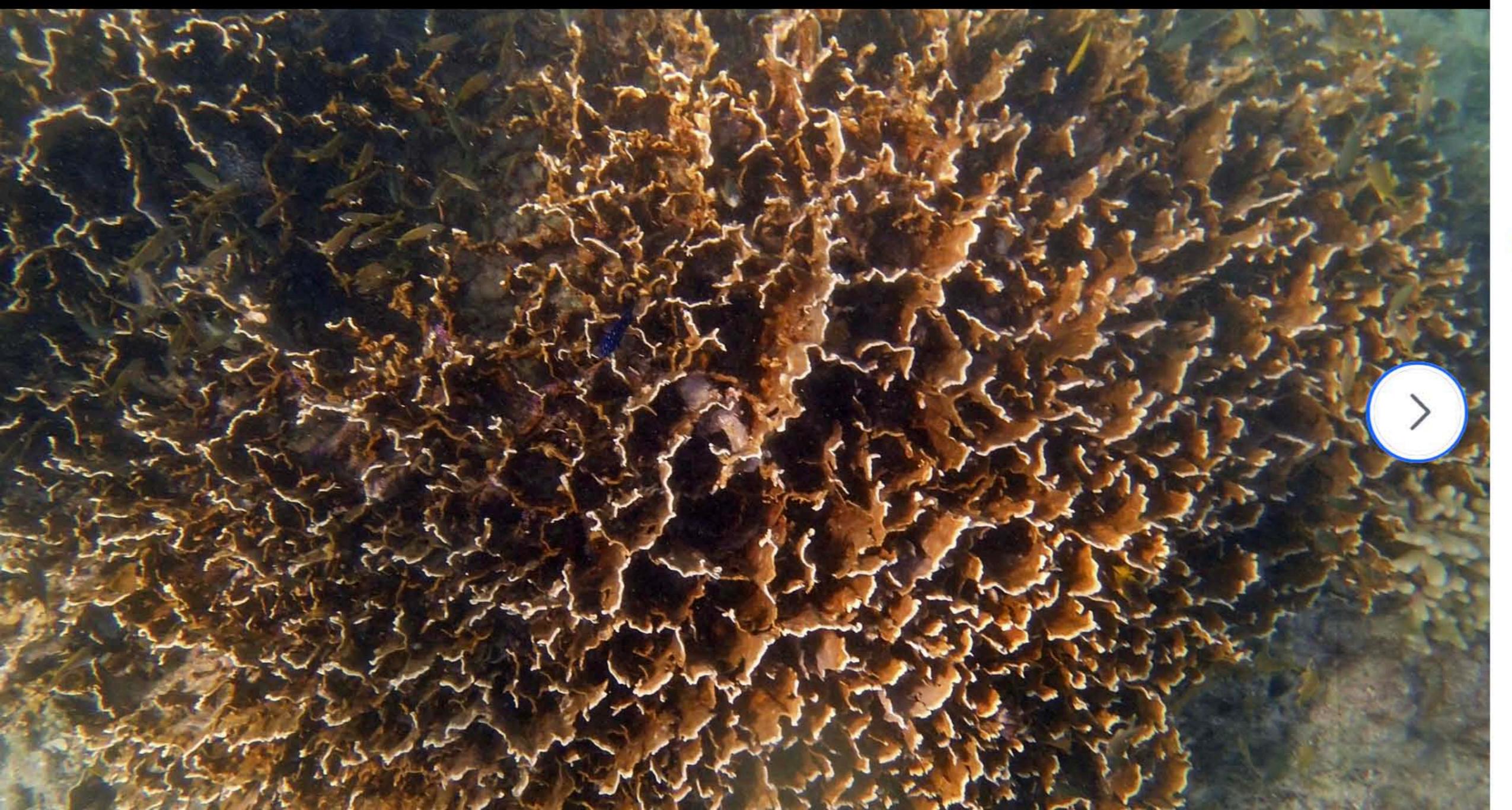
Anne Mills  
Excellent. Glad to hear some good news from the deeps.



Comment as David Graham Patriquin



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**David Graham Patriquin**

March 7, 2023

...

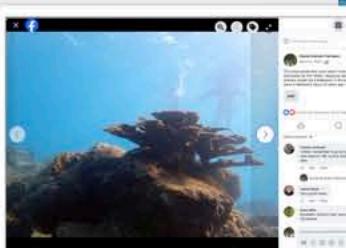
I introduced Maria Jessica Patriquin to the "Cities of Gold" yesterday.

[Edit](#)

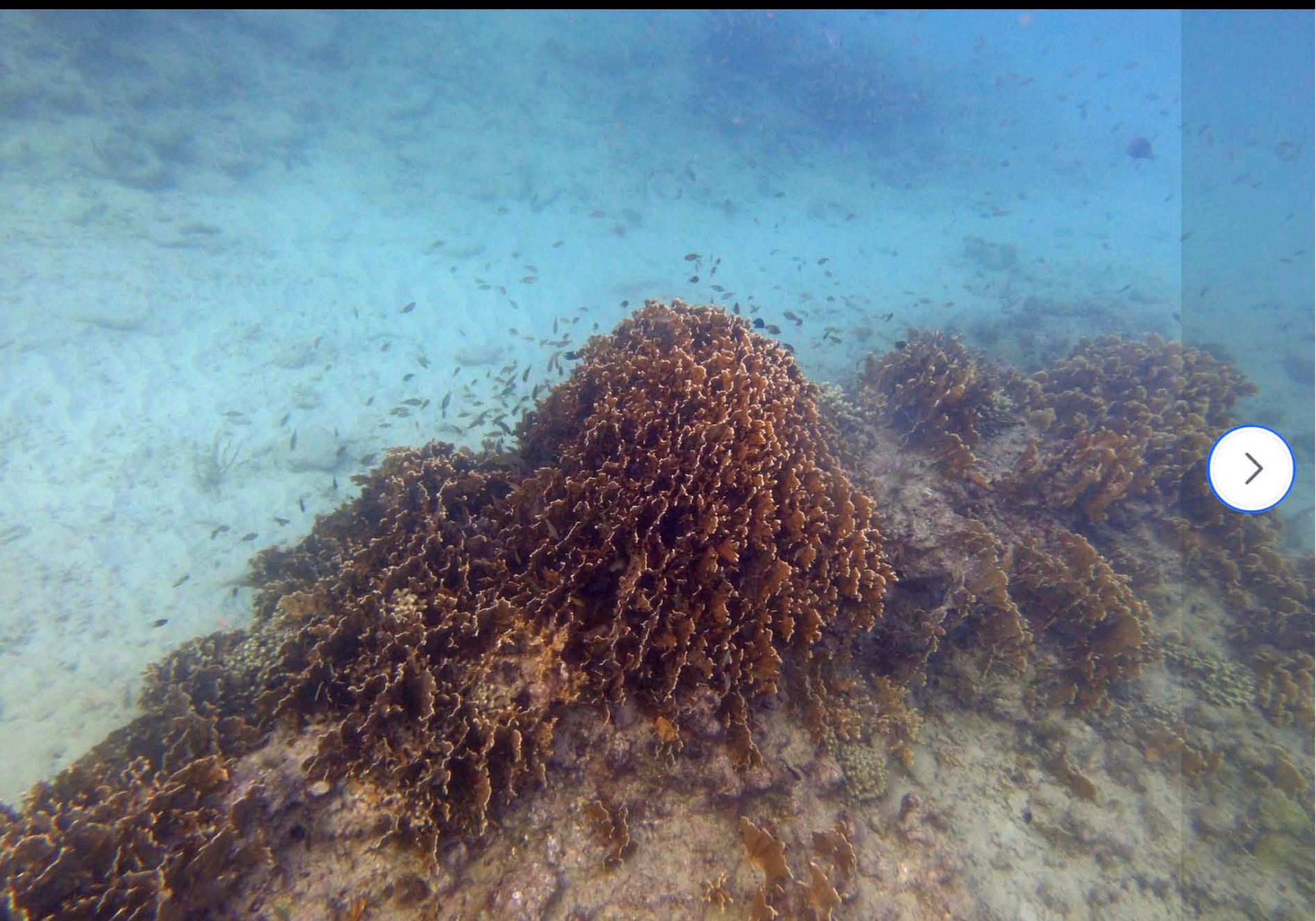
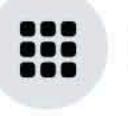
C.e. Rodger and James Boyer



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**David Graham Patriquin**

March 7, 2023 .

...

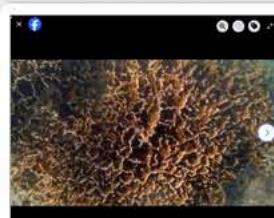
The basic structure is formed by "Squarrose Stinging Coral", consisting of many little boxes with many inhabitants, and always a swarm of little fish around them, some inside the boxes.

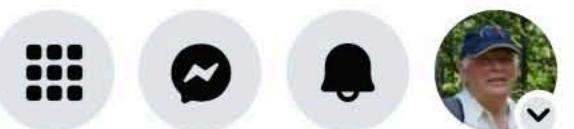
[Edit](#)

[Joshua Barss Donham, Mary Manley and 4 others](#)



[Comment as David Graham Patriquin](#)





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David Graham Patriquin

March 7, 2023 .

...

This video speed is reduced 50%, otherwise everything is moving too fast to see the individual fish. The blue fish with yellow tails and iridescent spots are Yellow Damselfish. They jealously guard their boxes. More about the inhabitants in this photo album: <https://photos.app.goo.gl/U7w3ZA1P3pSeCEUB6>

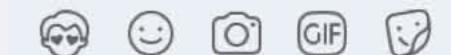
Edit

Joshua Barss, Donham, Mary Manley and 6 others

74



Comment as David Graham Patriquin





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David Graham Patriquin

March 7, 2023 .

...

Also contributing to the ambiance of the landscape but not to the housing: Leafy Stinging Coral. J.B.Lewis (my PhD co-supervisor) wrote a review paper about this group (stinging corals, *Millepora* spp) in the Caribbean:

<https://pubmed.ncbi.nlm.nih.gov/16782450/>

Edit

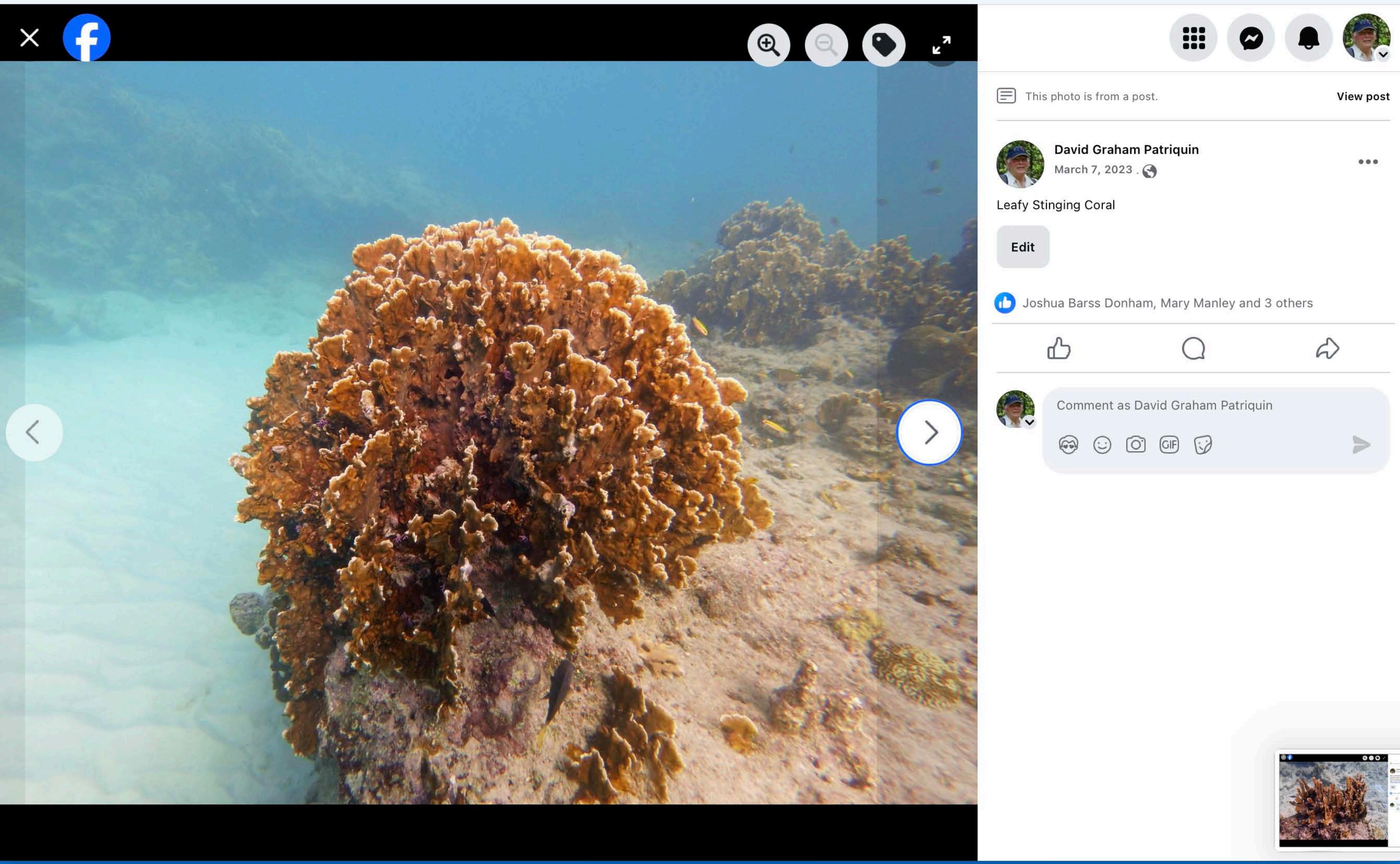


Joshua Barss Donham, Mary Manley and 3 others



Comment as David Graham Patriquin

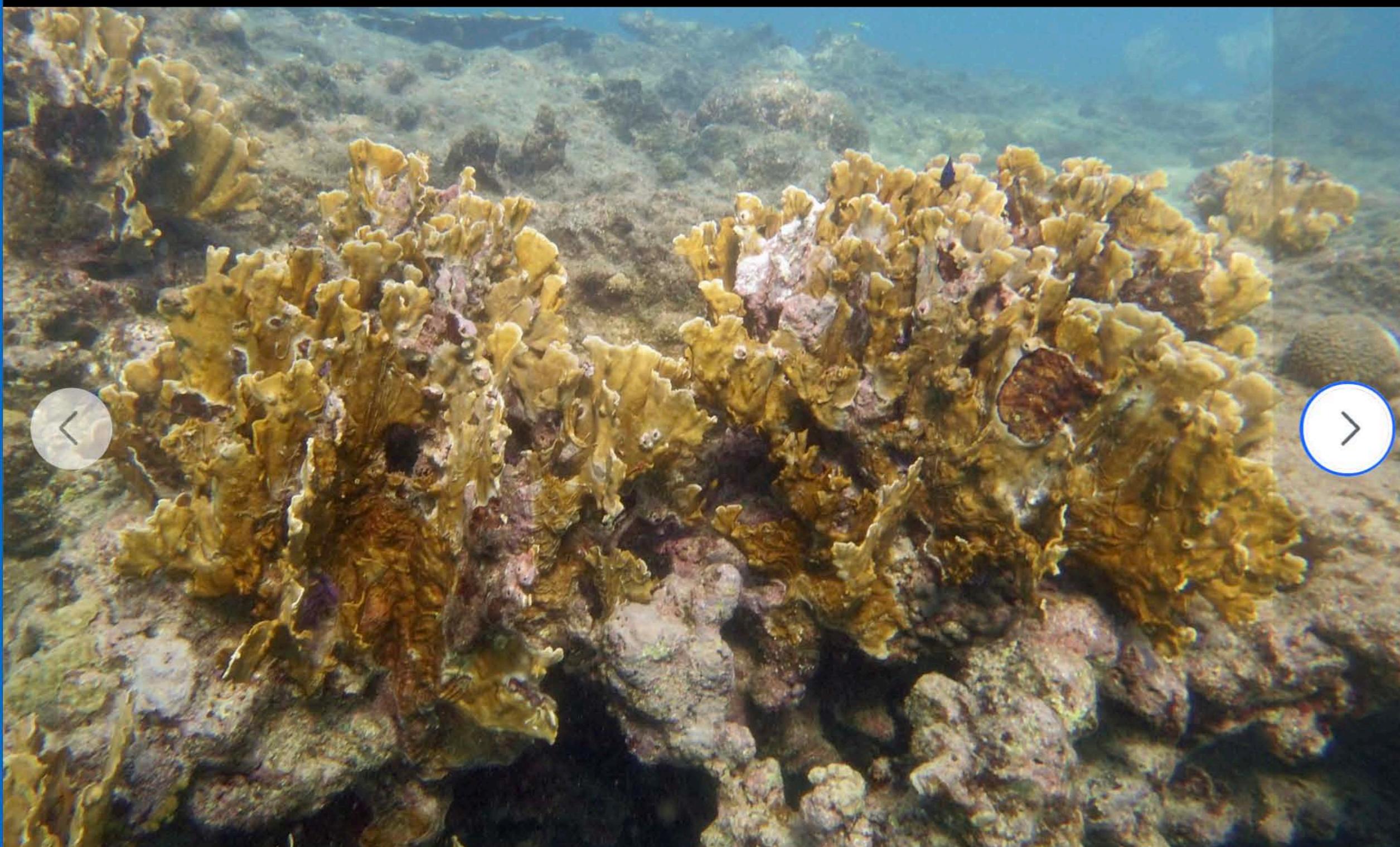




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**David Graham Patriquin**

March 7, 2023 · [Post](#)

...

Leafy Stinging Coral

[Edit](#)

[Joshua Barss Donham, Alan McHughen and 6 others](#)

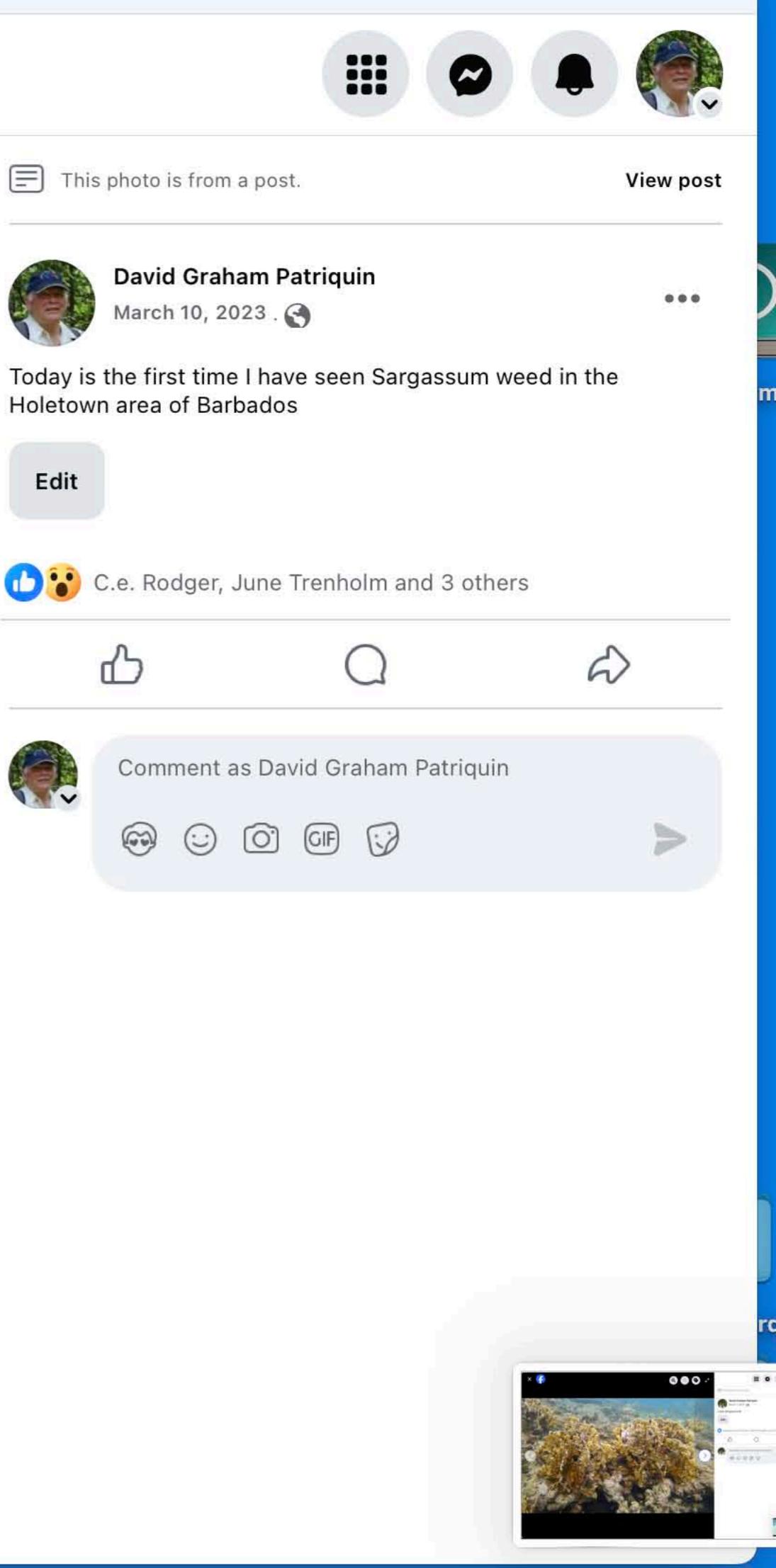
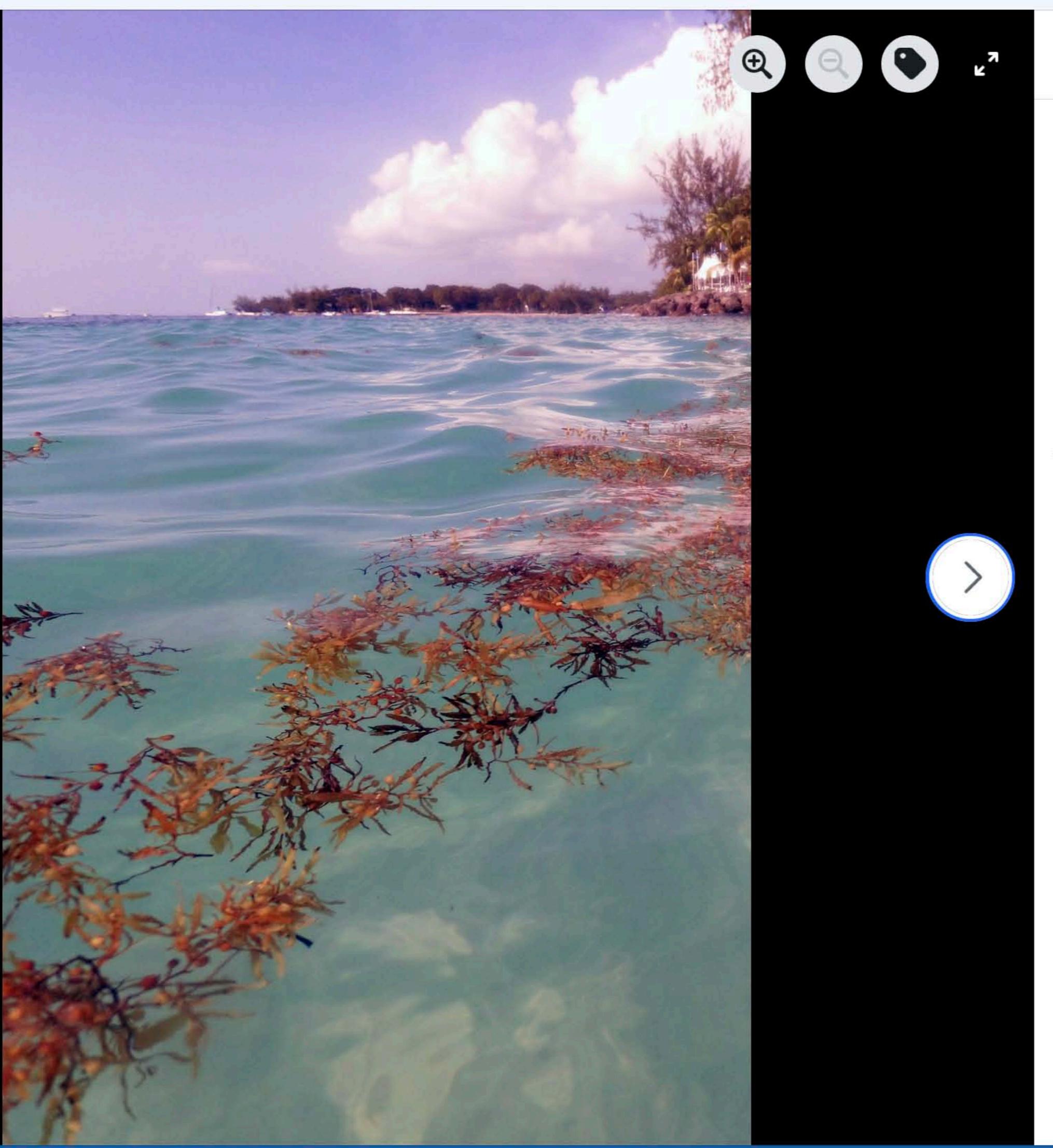
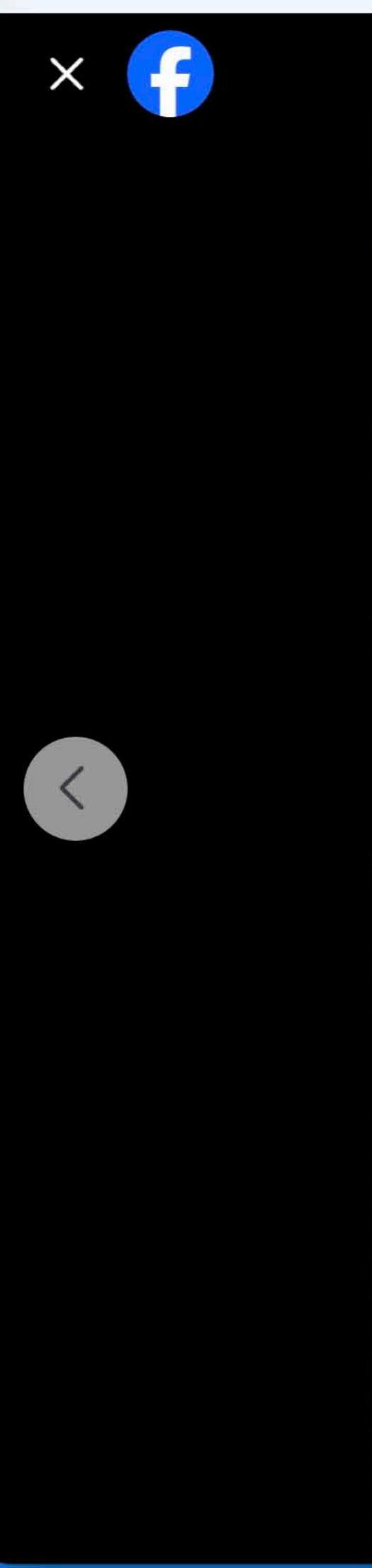


[Comment as David Graham Patriquin](#)



...





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**David Graham Patriquin**

March 10, 2023



I am guessing it wont get a lot worse than this

[Edit](#)

[Teddy Zaghloul, Mary Manley and 9 others](#)



Most relevant



**Marian Binkley**

Can these seaweeds be collected and used for anything, say fertilizer? Salad?

2y [Like](#) [Reply](#)



[Marian Binkley replied · 4 Replies](#)



[Comment as David Graham Patriquin](#)



X



Messages

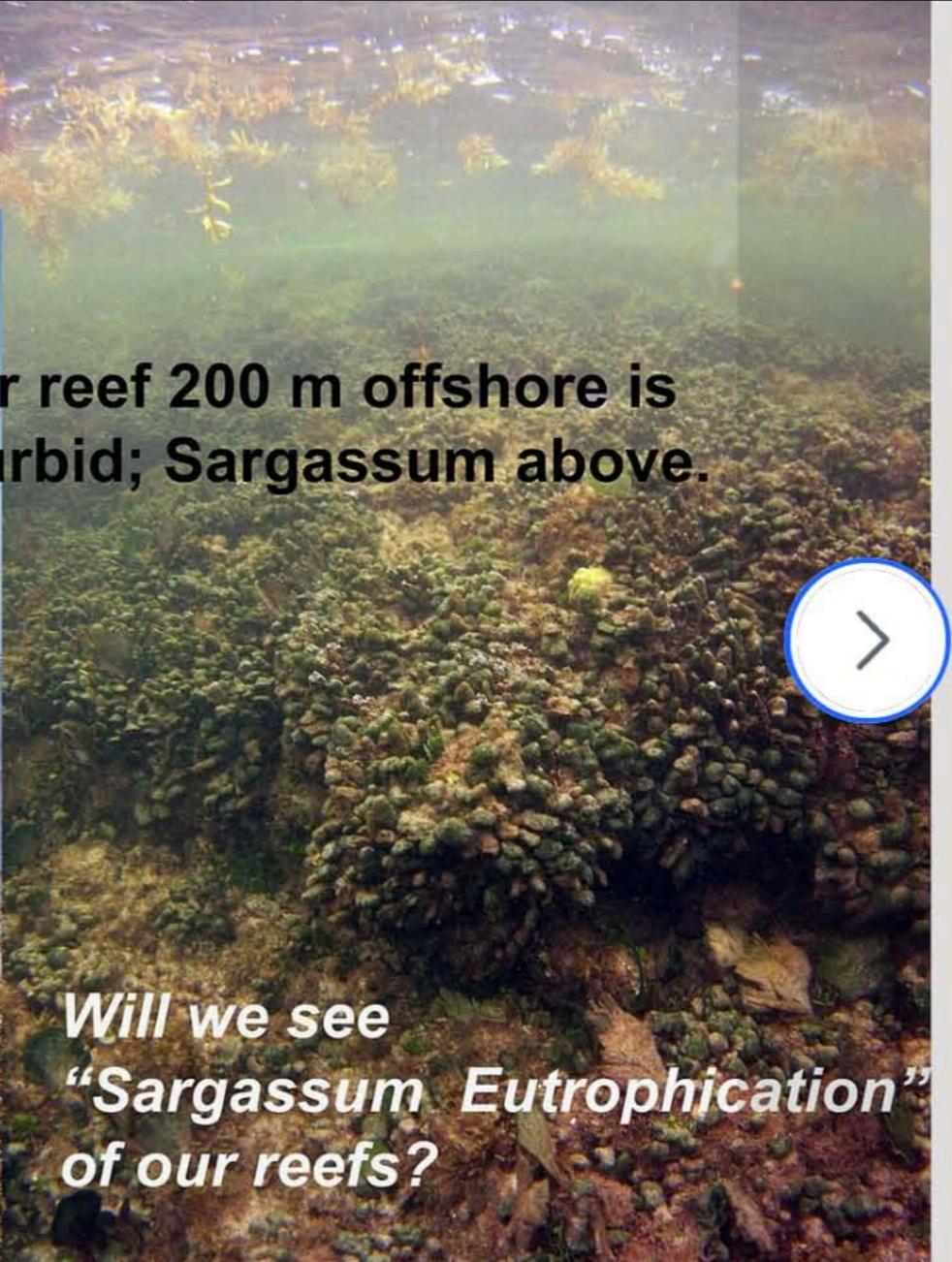


## Sargassum at Bath on Barbados East Coast

(April 6, 2015)



Water over reef 200 m offshore is green & turbid; Sargassum above.



Will we see  
“Sargassum Eutrophication”  
of our reefs?

This photo is from a post.

View post



David Graham Patriquin

March 10, 2023 .

...

'Hardly a surprise to see a little on the West Coast, it's the east and south coasts that get piles like those in this pic taken at my seagrass research site in 2015. There was zero visibility for the first 50 m from shore. Read about the issue here:

<https://sargassumhub.org/about-sargassum/> Also this recent scientific article:

<https://link.springer.com/article/10.1007/s10236-022-01511-1>

Edit



Mary Manley, Rob Bright and 3 others

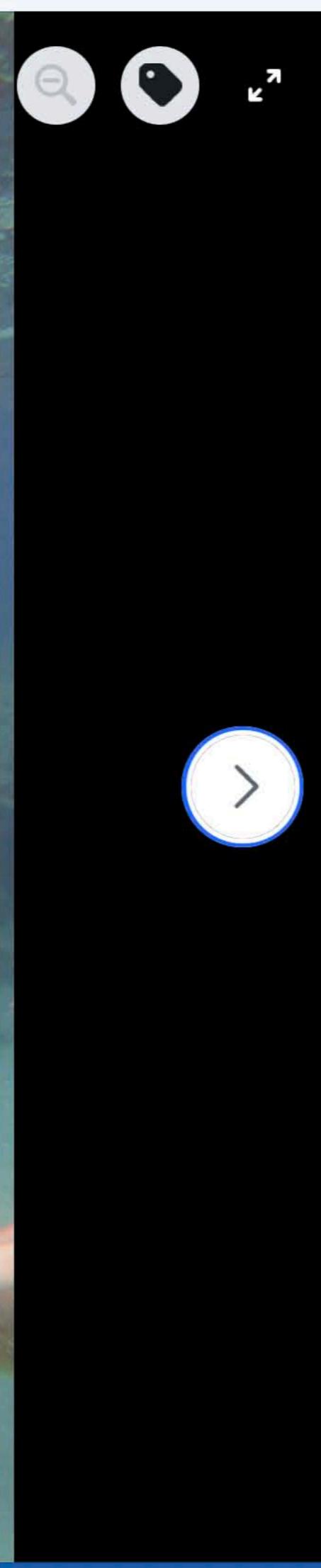
1



Comment as David Graham Patriquin



X



David Graham Patriquin March 17, 2023

James & Carolyn arrived today, just as the waters calmed and cleared. James & I did a googles-and-flippers only tour of the reef/Cities of Gold. With **James Boyer** Next Day: Unfort., the next outing wont be for another week - Nina & I both tested positive for Covid this a.m., must stay 'at home' for a week.

**Edit**

31 likes, 9 comments, 2 shares

Most relevant

**James Boyer**  
Thank you David for the wonderful tour of the local reefs here.  
2y Like Reply

**Benjamin Leonard**  
Very surreal.  
2y Like Reply

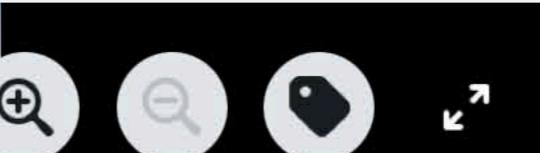
**Thomas Rand**  
Sad about Covid. I bet you would prefer to be out. Katie and I just came through it. It was mild.  
2y Like Reply

**David Graham Patriquin** replied · 2 Replies

Comment as David Graham Patriquin

Reply, Like, Share, Save, Report, More

X



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**David Graham Patriquin**

March 27, 2023 .

...

Peeps on the rock and one Laughng Gull Style

[Edit](#)



[Joshua Barss Donham, Eva Torsteinson and 2 others](#)



[Comment as David Graham Patriquin](#)





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**David Graham Patriquin**

March 27, 2023

...

What a week of strong wave action will do... remove about 4 ft of sand (top left) & knock a lot of the wall panels into the water. So the choice to get to 'The Little Beach' is now (i) rush by the wall between big waves, (ii) walk the 1 ft ledge above, (iii) swim, OR (iv) just enjoy the "Small Beach" (in foreground top pic, at right).

[Edit](#)

Anne Mills, Nina Patriquin and 1 other

1



Most relevant



**Graham Patriquin**

It is always exciting taking the water when the waves allow. 😊

2y Like Reply

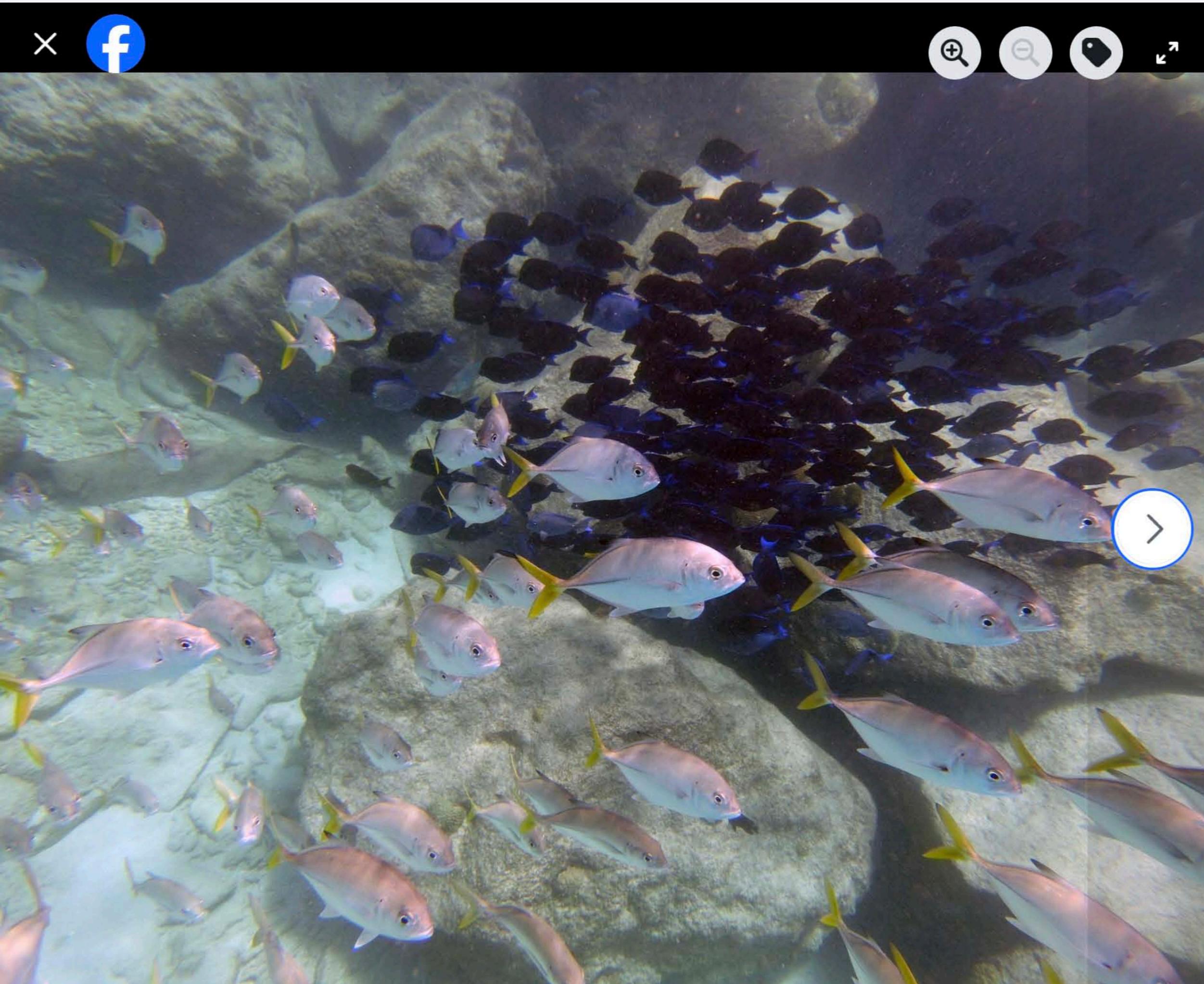


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>

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**David Graham Patriquin**

March 27, 2023

...

Horse-eye Jacks and Blue Tang

[Edit](#)



1



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**Anne Mills**

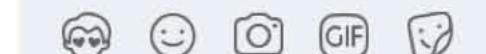
Just look at those pastel pink colours.

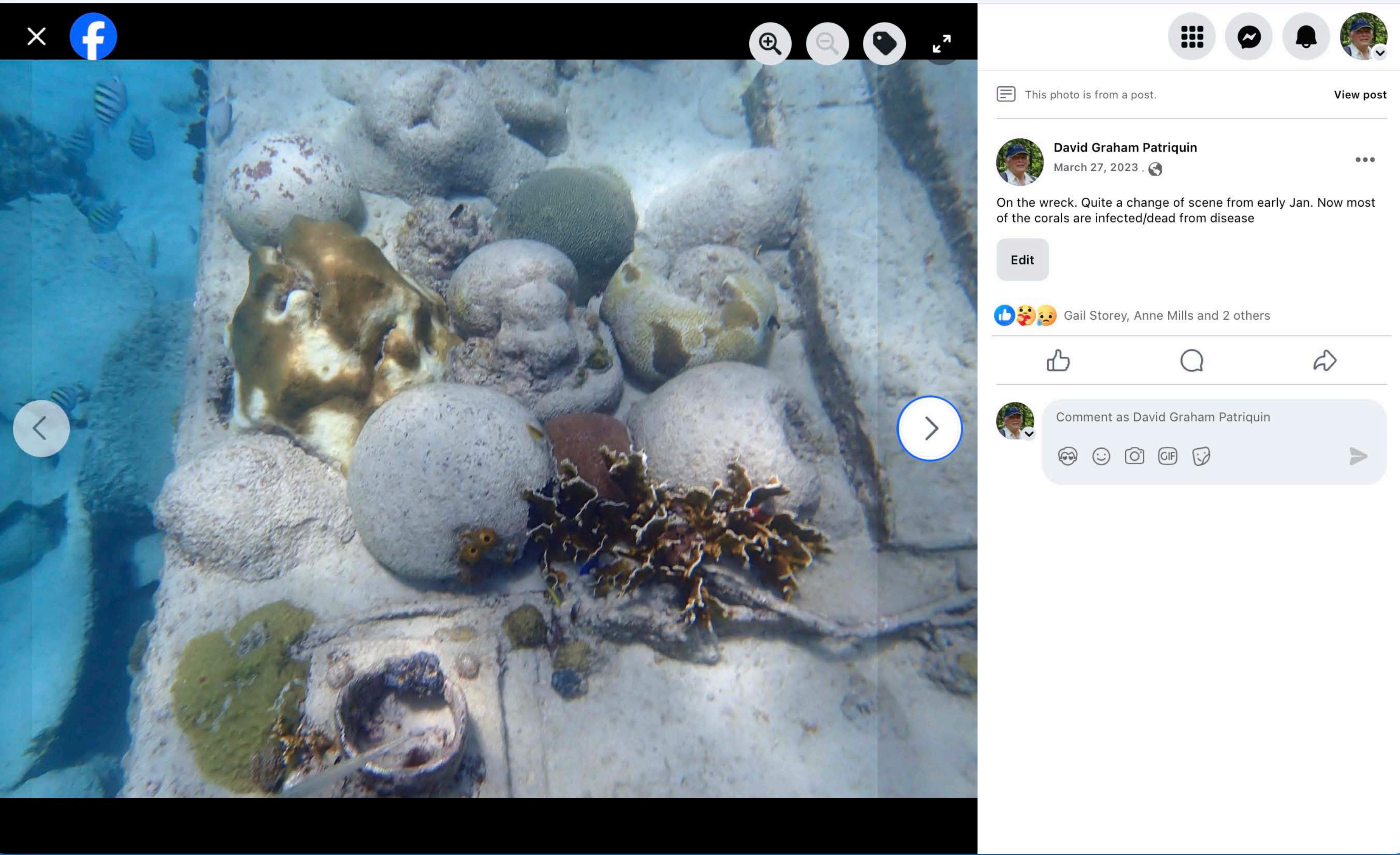
2y

[Like](#) [Reply](#)



Comment as David Graham Patriquin





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**David Graham Patriquin**

March 27, 2023 .

...

On the wreck. Quite a change of scene from early Jan. Now most of the corals are infected/dead from disease

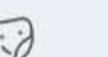
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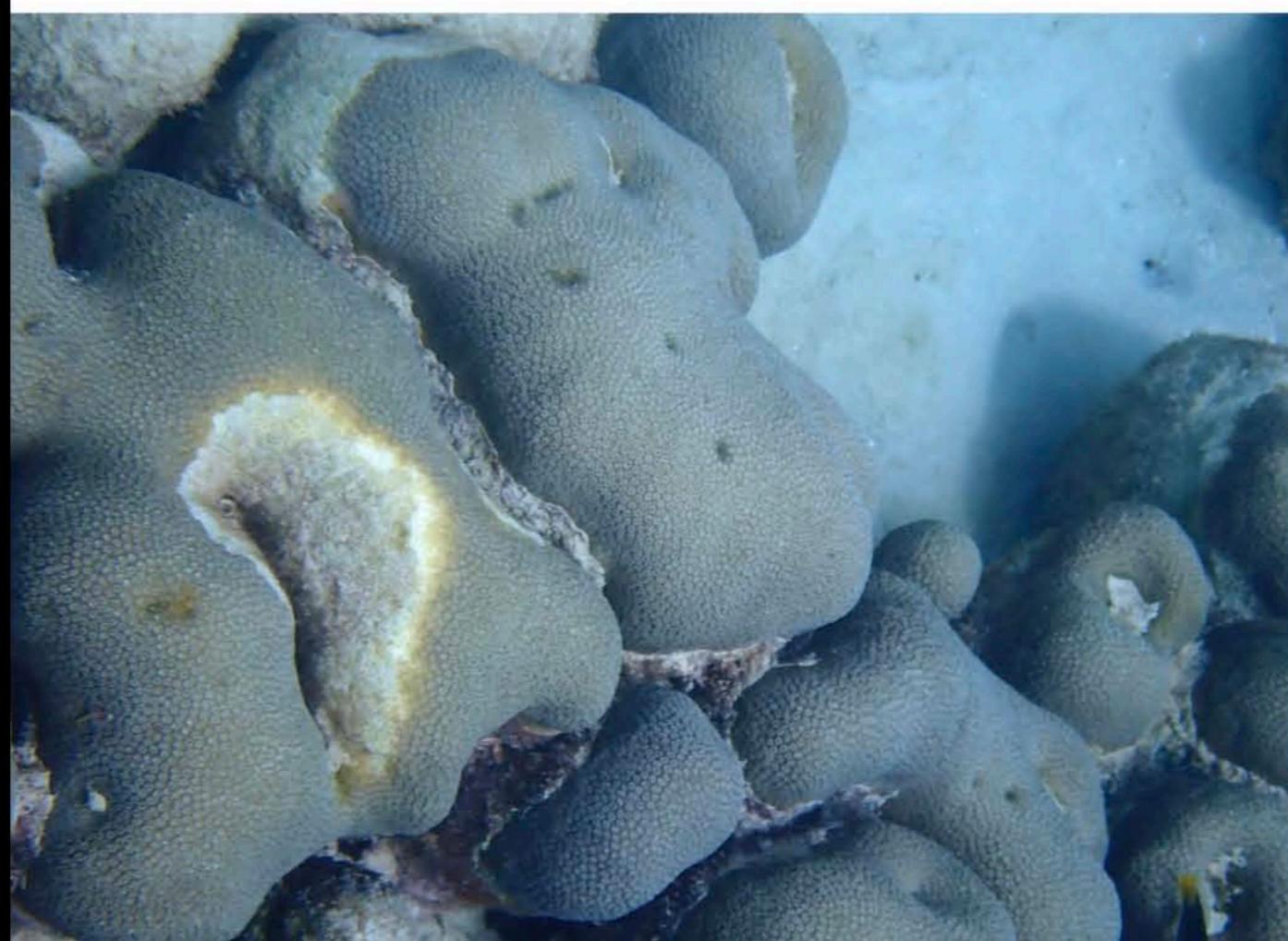
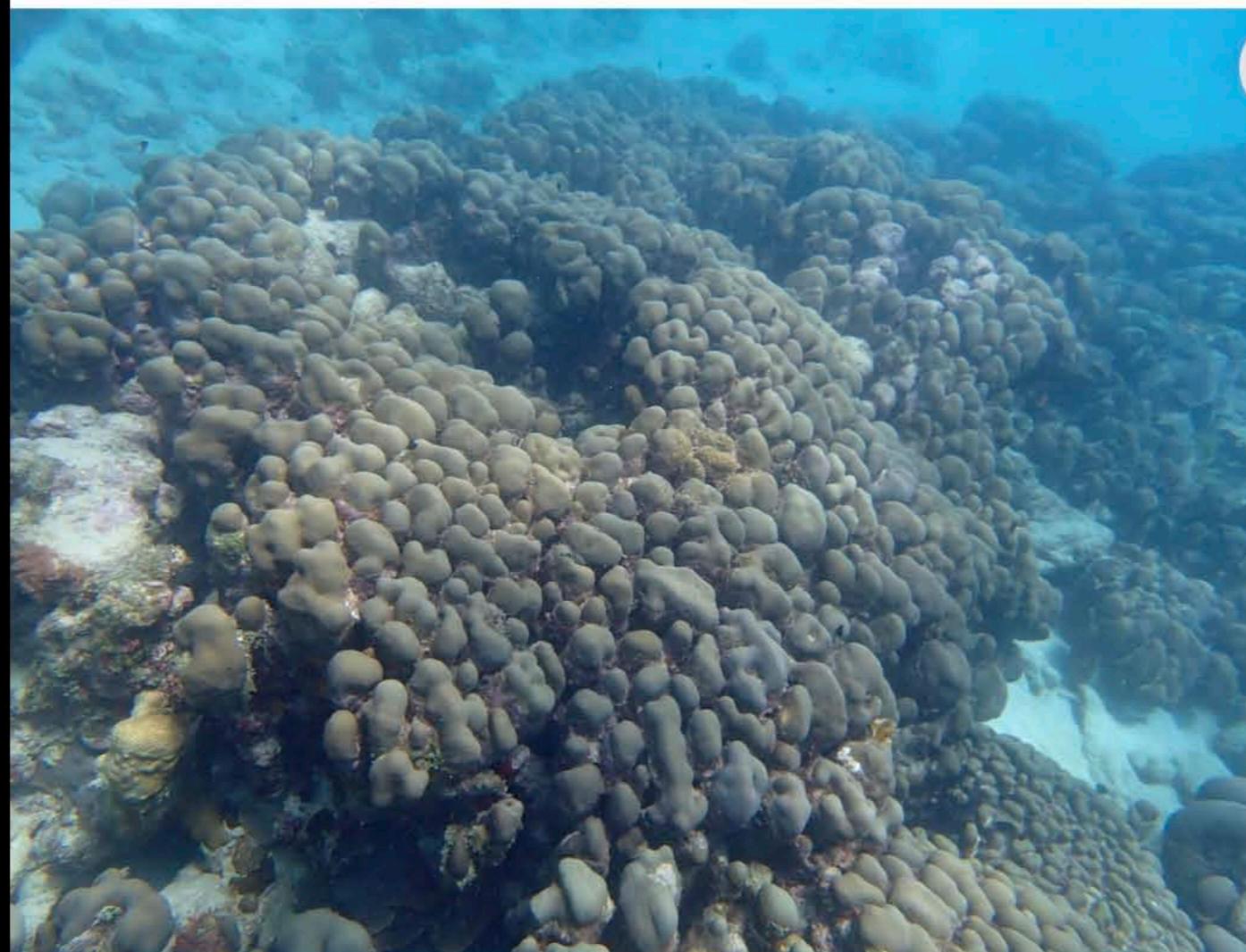
Gail Storey, Anne Mills and 2 others



Comment as David Graham Patriquin



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**David Graham Patriquin**

March 27, 2023 .

...

Still hopeful I thought. The Mountainous Star Coral, abundant in about 20-25ft on the fore reef, has remained free of disease but poss. first signs today (lower pic)

[Edit](#)



Christina Harris, Anne Mills and 2 others



Comment as David Graham Patriquin



X



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**David Graham Patriquin**

March 27, 2023 .

...

These corals on leading edge of the spurs are not affected by the new diseases.

[Edit](#)

Rob Bright, Norman Phinney and 5 others

1



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**Graham Patriquin**  
That is a positive.

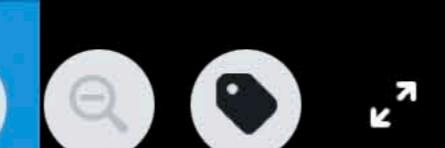
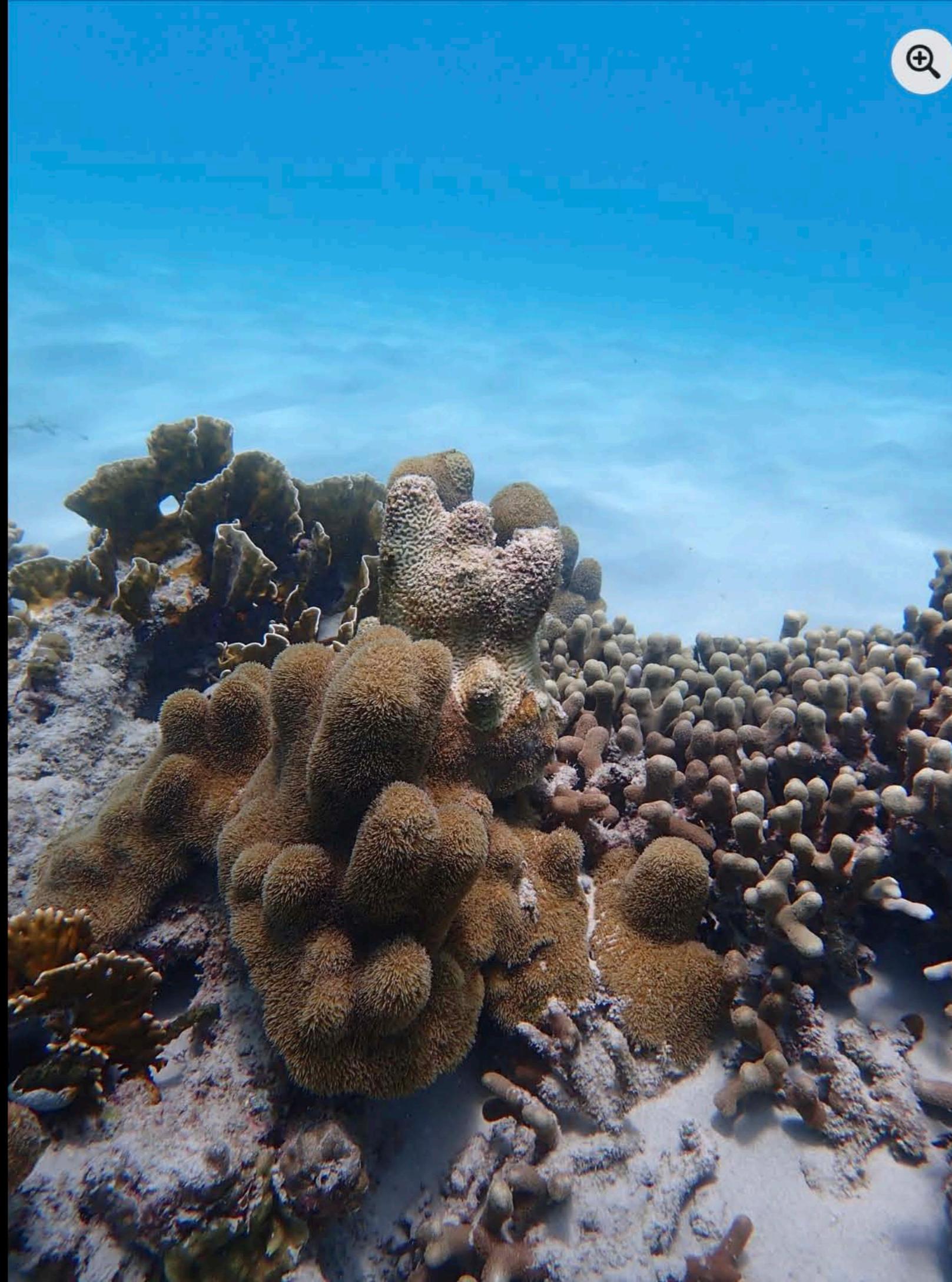
2y Like Reply



Comment as David Graham Patriquin



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**David Graham Patriquin**

March 27, 2023 . [Edit](#)

...

Pillar coral is still not infected.. It is highly susceptible SCTLD, so what's attacking may not be that disease or it has modified on its way from Miami to Barbados.

[Edit](#)

Anne Mills, Nina Patriquin and 1 other

1



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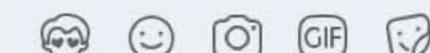
**Anne Mills**

Fascination shapes and textures.

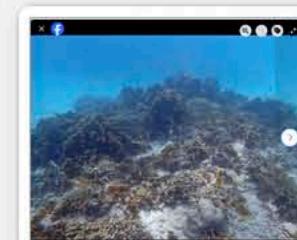
2y [Like](#) [Reply](#)



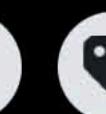
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David Graham Patriquin

March 27, 2023 .

...

Princess Parrotfish and damselfish posed for me

Edit



17

1 1



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Maria Jessica Patriquin

love this is my xmas present next year right ? I mean a print of this xo

2y Like Reply



Comment as David Graham Patriquin



>

X



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David Graham Patriquin

March 27, 2023

...

This guy wouldn't get out of my field of vision.. (Trumpet Fish)

Edit



4 1



Most relevant



Anne Mills  
Is this a pipe fish?

2y Like Reply



Mary Manley replied · 1 Reply



Mary Manley  
I love your photography, David.... Thank you for showing us another world.

2y Like Reply

3



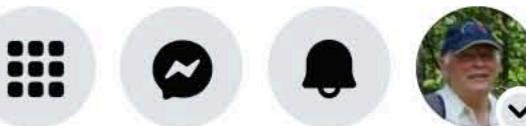
James Boyer  
Great shot!

2y Like Reply



Comment as David Graham Patriquin





David Graham Patriquin

March 29, 2023 .

...

Yesterday, I spent a little time drifting with this Hawksbill turtle, as it turned out, for one whole breath of the turtle. I tried to capture it taking a breath right at the beginning, captured it at the end. I decided I snorkel much like the turtle swims, drifting with the waves and expending as little energy otherwise as necessary.

Edit

54

16 3 224



Most relevant ▾



Bev Wigney

Aw.. that is so cool! What a wonderful experience. It's more like the turtle is flying.

2y Like Reply



James Boyer  
Beautiful footage!

2y Like Reply



Joan Czapalay

Gorgeous video. I get so excited I put my whole head under and come up sputtering. Tried several times in exotic places. Failed Snorkel 101 every time.

2y Like Reply



Comment as David Graham Patriquin



X



David Graham Patriquin

March 31, 2023 .

...

Swimming just beyond or just before (whichever is easier or safer) the Reef Crest, where the waves break, is a great place to see fish, esp late in the day. They seem attracted to the debris, invertebrates etc stirred up by the breaking waves; there are schools of smaller and larger fish and every now and then a really big fish (e.g., tarpon, bonefish or barracuda) will come in after them- hard to catch on vide as they are so fast but I think right at the end of this one ther... [See more](#)

Edit



22

8 1 135



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Roger Samson

Great video and lesson!

2y Like Reply



James Boyer

Beautiful picture and video. You really know when and where to look.

2y Like Reply



Gail Storey

the next David Attenborough!! great video

2y Like Reply



Alan McHughen

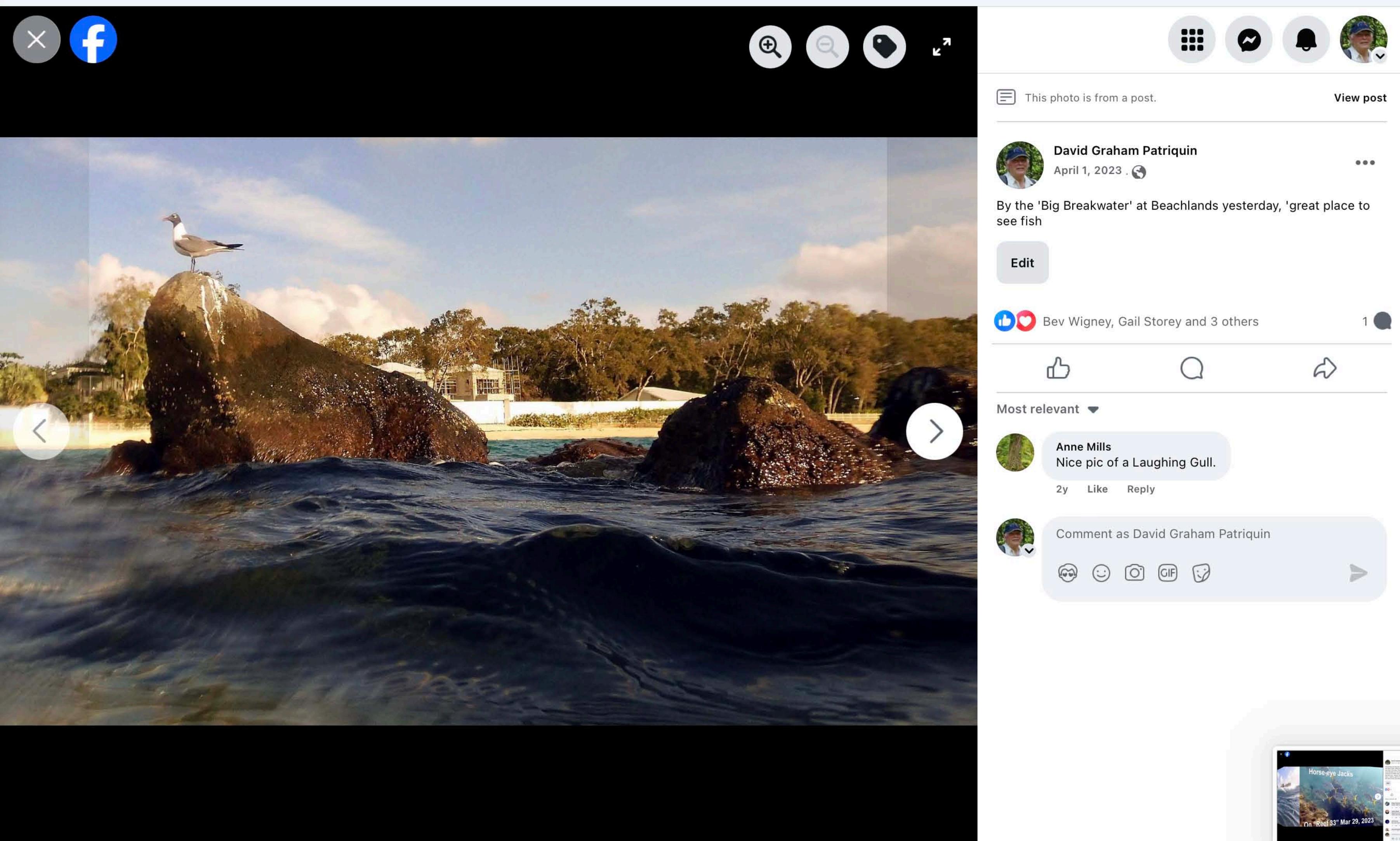
Always thought it was the Oxygen



Comment as David Graham Patriquin



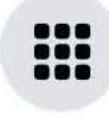
&gt;



X



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**David Graham Patriquin**

April 1, 2023 .

...

There was a pair of Scrawled filefish. They change colours with the background.

[Edit](#)

[Joshua Barss Donham, Janet Hossack and 6 others](#) 1



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**Janet Hossack**  
How Beautiful!

2y [Like](#) [Reply](#)



[Comment as David Graham Patriquin](#)



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**David Graham Patriquin**

April 1, 2023 .

...

2nd Scrawled filefish

[Edit](#)



Joshua Barss Donham, Janet Hossack and 2 others



Comment as David Graham Patriquin



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**David Graham Patriquin**

April 1, 2023 . 

...

There are lots of small brain corals on these rocks, just a few species. The two pics shpw progression of disease\* on two *P. strigosa*, from roughly half infected Feb 12 to totally white and dead on Mar 31. Perhaps more interesting...will some remain completely free of infection over time? - Will find out next year! (I have lots of pics for comparison) \*The disease is White Plague and/or Stony Coral Tissue Loss Disease.

[Edit](#)



Mimmi Henriksen, Alan McHughen and 8 others

6



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**Anne Mills**  
Fascinating.

2y [Like](#) [Reply](#) 



**Roberta MacKenzie**  
Wonderful thanks so great to keep in touch especially with such incredible photos and information

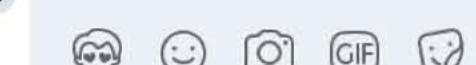
2y [Like](#) [Reply](#)



Roberta MacKenzie replied · 2 Replies



Comment as David Graham Patriquin





facebook.com

David Graham Patriquin

April 2, 2023

Today's Fish Flick: Follow the Peacock Flounder (if you can)

13

3 76

Like Comment Share

Most relevant

Beth McGee  
Lovely!

2y Like Reply

James Boyer  
Isn't that fantastic! The adaptations for survival.

2y Like Reply

Gail Storey  
FUN

2y Like Reply

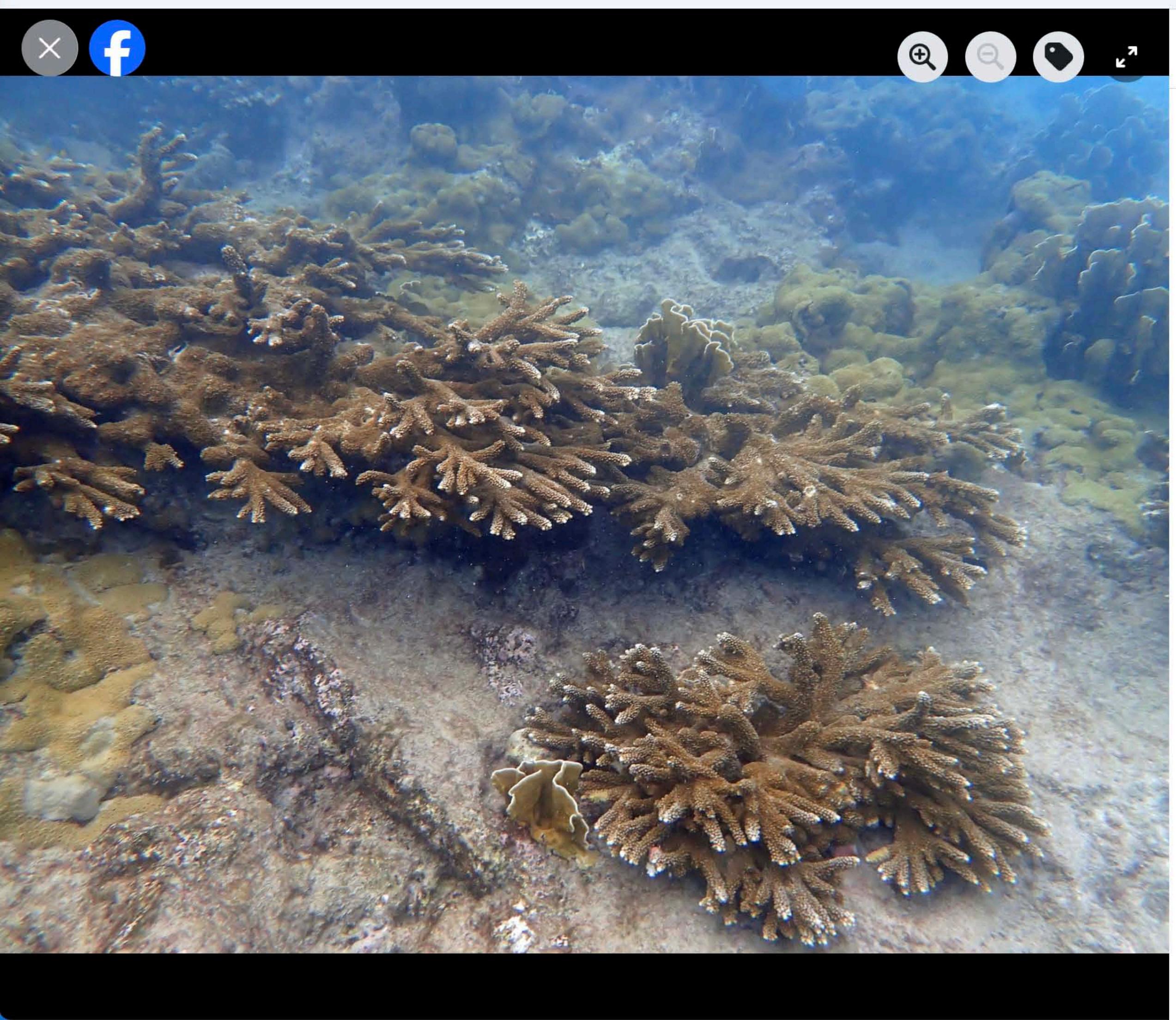
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More options

**Follow the Flounder**

Mar 28, 2023





A large, dense colony of fused staghorn coral (Acropora prolifera) is the central focus, showing its characteristic branching and finger-like structures. The coral is a reddish-brown color. The surrounding water is clear, and other coral species and marine life are visible in the background and foreground.

**David Graham Patriquin**  
April 4, 2023

Amidst all the bad news about coral reefs generally and the arrival of deadly diseases on Vauxhall Reef, there is some Good News: Fused Staghorn Coral (*Acropora prolifera*) continues to thrive on Vauxhall Reef. I just completed my 'annual survey' of this coral on Vauxhall Reef. I discovered it there in 2015, growing on the Reef Flat out to the Reef Crest zone. It's a hybrid between Staghorn coral (*Acropora cervicornis*) and Elkhorn coral (*Acropora prolifera*). More about it... [See more](#)

[Edit](#)

11 likes

11 likes

2 comments

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Janet Hossack  
2y Like Reply  
Sounds encouraging. Fantastic work at keeping the momentum going!

David Graham Patriquin replied · 1 Reply  
Comment as David Graham Patriquin

Like Comment Share

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David Graham Patriquin

April 4, 2023 .

...

Map shows the approximate area of Fused Staghorn Coral at Vauxhall Reef (that's the reef just to the south of the beach at "Beachlands). There is a massive complex of colonies in the Reef Crest Zone where waves break, just south of the small breakwater - labelled "Dense A prolifera..." on the map; and scattered individual colonies in a sweep towards shore. People generally don't swim in this area because it is quite shallow and waves break over the area. Best visited at Hig... [See more](#)

Edit

Joshua Barss Donham, Norman Phinney and 1 other



Comment as David Graham Patriquin



X



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**David Graham Patriquin**

April 4, 2023 .

...

Towards the seaward limit, the coral forms a complex with a  
zooanthid (*Palythoa mammilosa*); and stinging coral (*Millepora*)...

[See more](#)

Edit



Tudor Borza and James Boyer



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**David Graham Patriquin**

April 4, 2023 .

...

An individual colony on the Reef Flat... [See more](#)

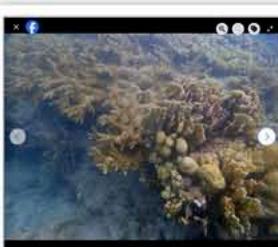
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James Boyer



[Comment as David Graham Patriquin](#)



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David Graham Patriquin

April 4, 2023 .

...

This is a favourite: two A. prolifera colonies growing on the sides of a massive Diploria clivosa coral.... [See more](#)

[Edit](#)

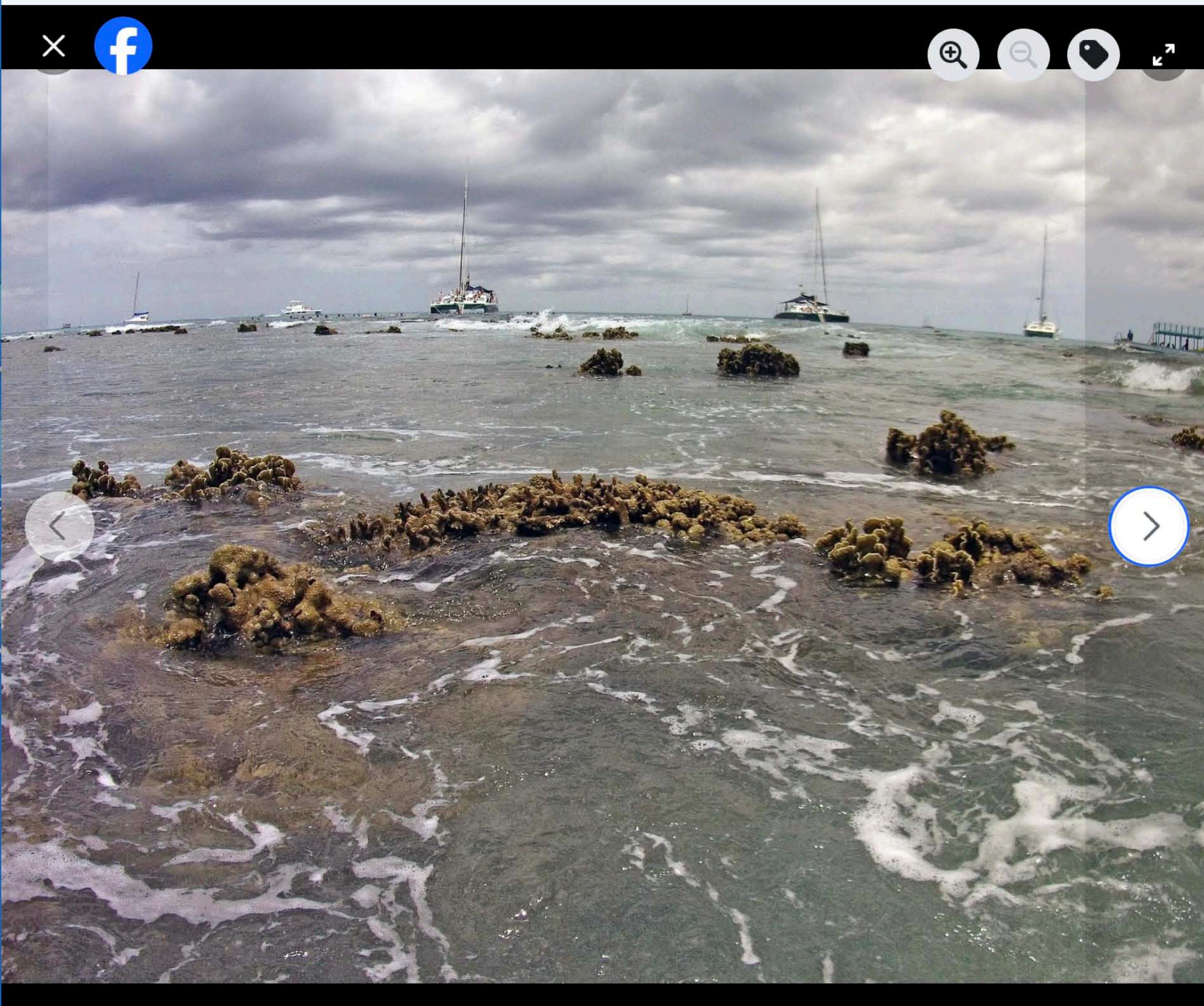
[Joshua Barss Donham, Gail Storey and 2 others](#)



[Comment as David Graham Patriquin](#)



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David Graham Patriquin

April 4, 2023 .

...

A pic I took in 2015 during a very low tide. The arc in the foreground is formed by the Fused Staghorn Coral/Palythoa/Millepora complex. The jagged outcrops further seaward are stinging coral (Millepora). There couldn't be a better place for new coral growth as its growth here increases coastal protection. (The boats in the distance are snorkelling ventures, moored near 'The Wreck'. )... [See more](#)

Edit

Eko Raharjo, Barbara Gordon and 2 others



Comment as David Graham Patriquin





David Graham Patriquin

April 4, 2023 .

...

Yesterday's fish companion: the Scrawled Filefish. Evidently, *Palythoa mammilosa* (a zooanthid) was on the menu.

Edit

22

7 1 116



Most relevant



James Boyer  
Great pictures!

2y Like Reply



June Trenholm replied · 1 Reply



Kathleen Gidney  
Cool!

2y Like Reply



Anne Mills  
I could watch your videos over and over.

2y Like Reply



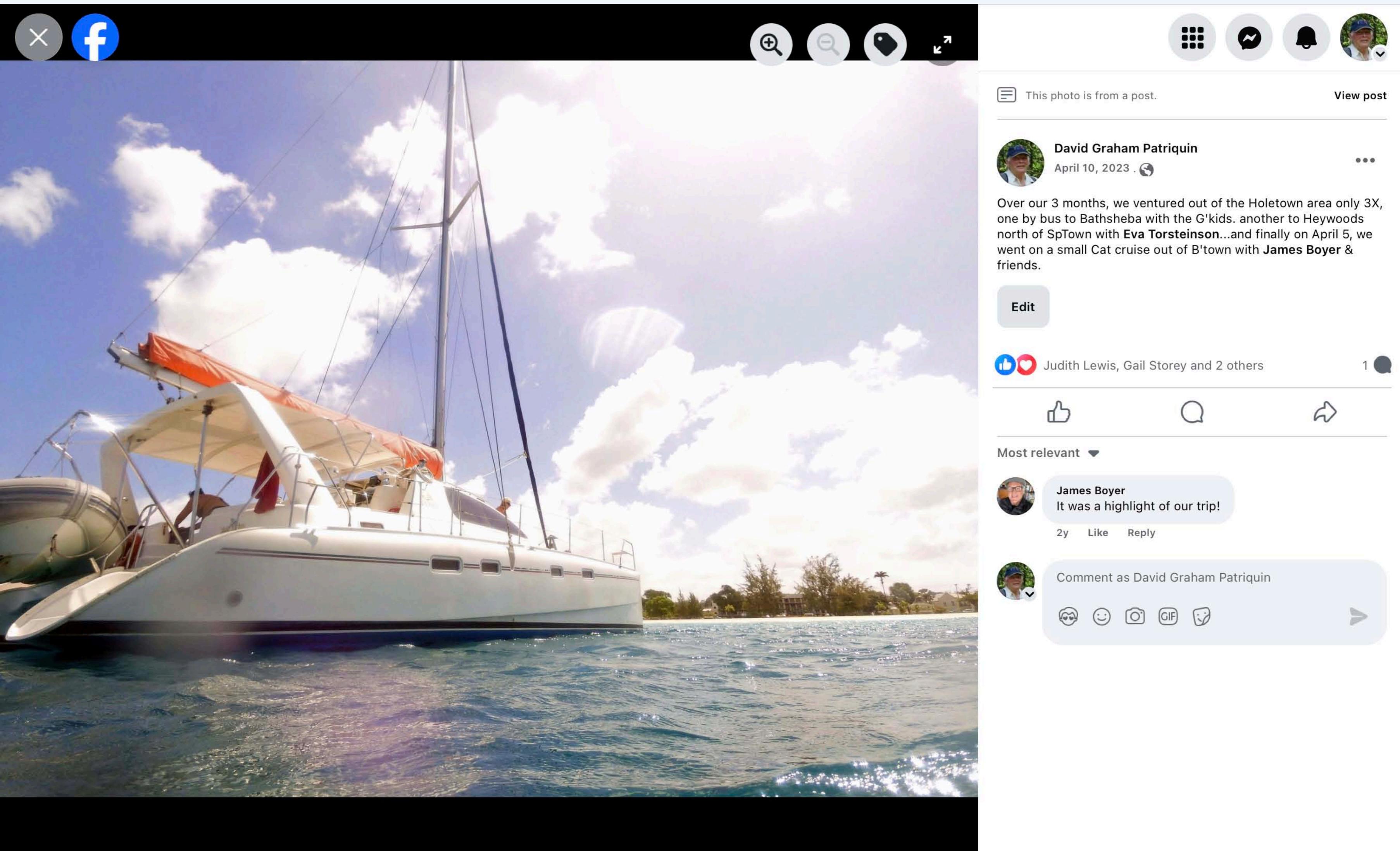
Judith Lewis  
Wow, even the sound is like I remember.  
Where you at, sunset crest? Is bellairs even open?

2y Like Reply



Comment as David Graham Patriquin

>



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David Graham Patriquin

April 10, 2023



We had one snorkelling stop, in Carlise Bay, here on the "Bajan Queen", a wreck; at its shallowest only a few meters deep. As common practice on these snorkelling expeditions, fish in the wreck area are fed and there is a colourful oooh-ahhh assemblage to greet snorkellers.

Edit



Judith Lewis, Gail Storey and 5 others

1



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Maria Jessica Patriquin  
wowowow

2y Like Reply



Comment as David Graham Patriquin



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**David Graham Patriquin**

April 10, 2023 .

...

This is what most interested me: what was the state of the corals on the wreck? As I had seen on 'The Wreck' at Vauxhall reef in Holetown, most of the corals were diseased...but here the disease was even more advanced - greater % infected, more totally dead. Clearly the disease got started here earlier than Holetown. I am pretty convinced that feeding the fish is a factor stimulating the disease to levels higher than it would be otherwise on these wrecks. It's a lesson that ... [See more](#)

[Edit](#)



Beth McGee, Bev Wigney and 6 others

3



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**Gail Storey**

ah yes, feeding wildlife, constant educational challenge. I will incorporate your idea of "improving habitat thus natural food sources" into my "rants"!

2y [Like](#) [Reply](#)



**Sheila Stevenson**  
ack!

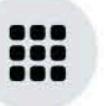
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Comment as David Graham Patriquin



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David Graham Patriquin

April 10, 2023



On the plus side, I was surprised to see Oreaster reticulatus, the big "Cushion Starfish" on the sparse seagrass at Carlisle Bay. It was once superabundant in seagrass beds in the W.I., not so now. I dont remember ever seeing it in Barbados in the past (back to 1966), although I know it was common 'in the old days (1950s and before)... [See more](#)

[Edit](#)



Mary Manley, Petra Leica and 5 others

2



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Eva Torsteinson

Wow i never saw one of those in Barbados before!

2y [Like](#) [Reply](#)



David Graham Patriquin replied · 1 Reply



Comment as David Graham Patriquin



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**David Graham Patriquin**

April 10, 2023 ·

...

We went through wafts of Sargassum weed, still blessfully sparse in the Holetown area.... [See more](#)

[Edit](#)



Kathleen Gidney, Judith Lewis and 3 others

2



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**Anne Mills**

I heard Matt Galloway interviewing a researcher on CBC this morning about Sargassum biology that he had spent 40 years studying. It may be repeated tonight on CBC. Very interesting.

2y [Like](#) [Reply](#)

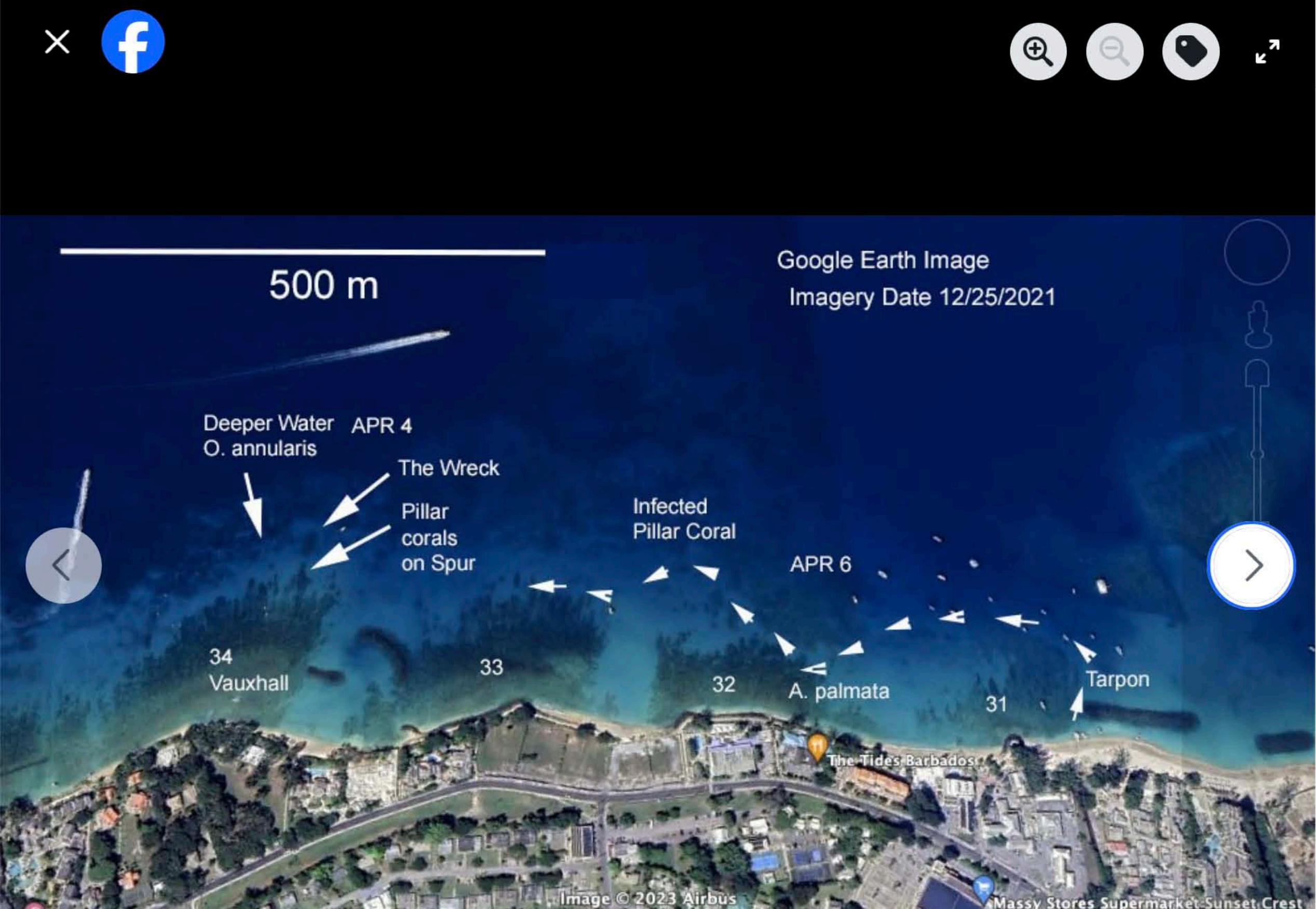


David Graham Patriquin replied · 1 Reply



[Comment as David Graham Patriquin](#)





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David Graham Patriquin

April 11, 2023 . 

Holetown Reefs wrap-up for 2023. A few pics illustrating some of 'good things' and 'concerning things' I observed about these reefs in 2023. I have now been looking at them every year since 2015 except 2021 and 2022. These final observations for 2023 were conducted on Apr 4- at Reef 34/Vauxhall; and on Apr 6 when my Environmental-Colleague-at-Arms James Boyer and I took the route shown on the map, skirting the seaward edges of the fringing reefs (numbered 31 to 34 - see [htt... See more](#)

**Edit**

C.e. Rodger, Judith Lewis and 1 other

1 16

1

1

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James Boyer

It was a wonderful day! The highlight of my vacation.

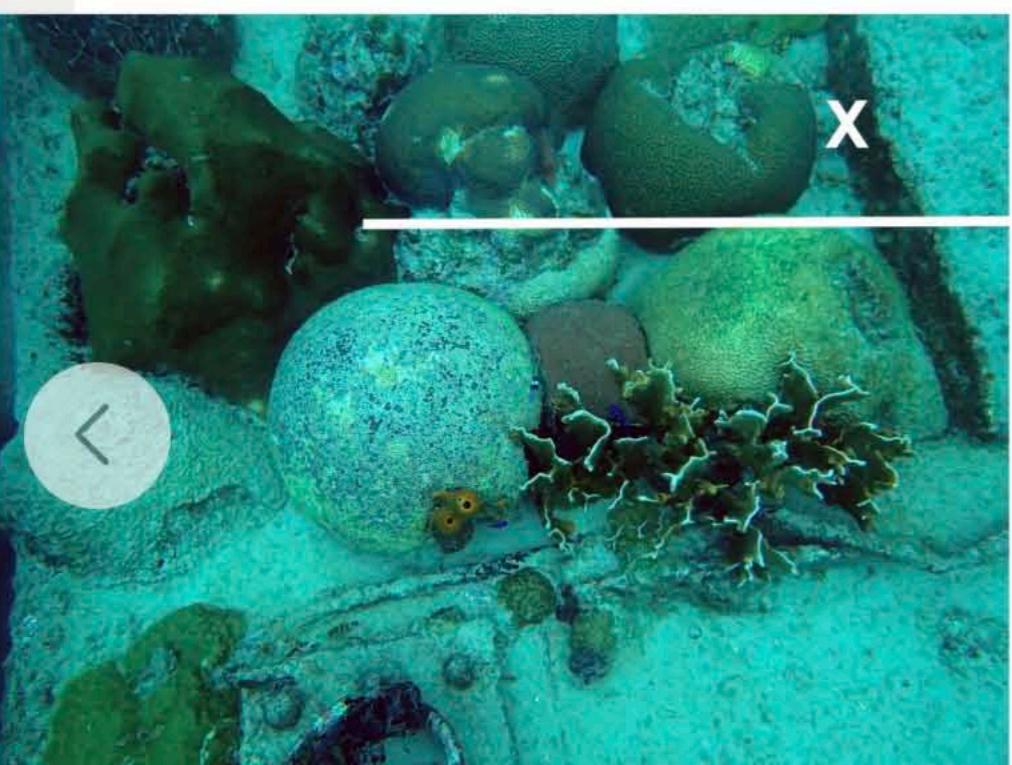
2v Like Reply

### Comment as David Graham Patriquin

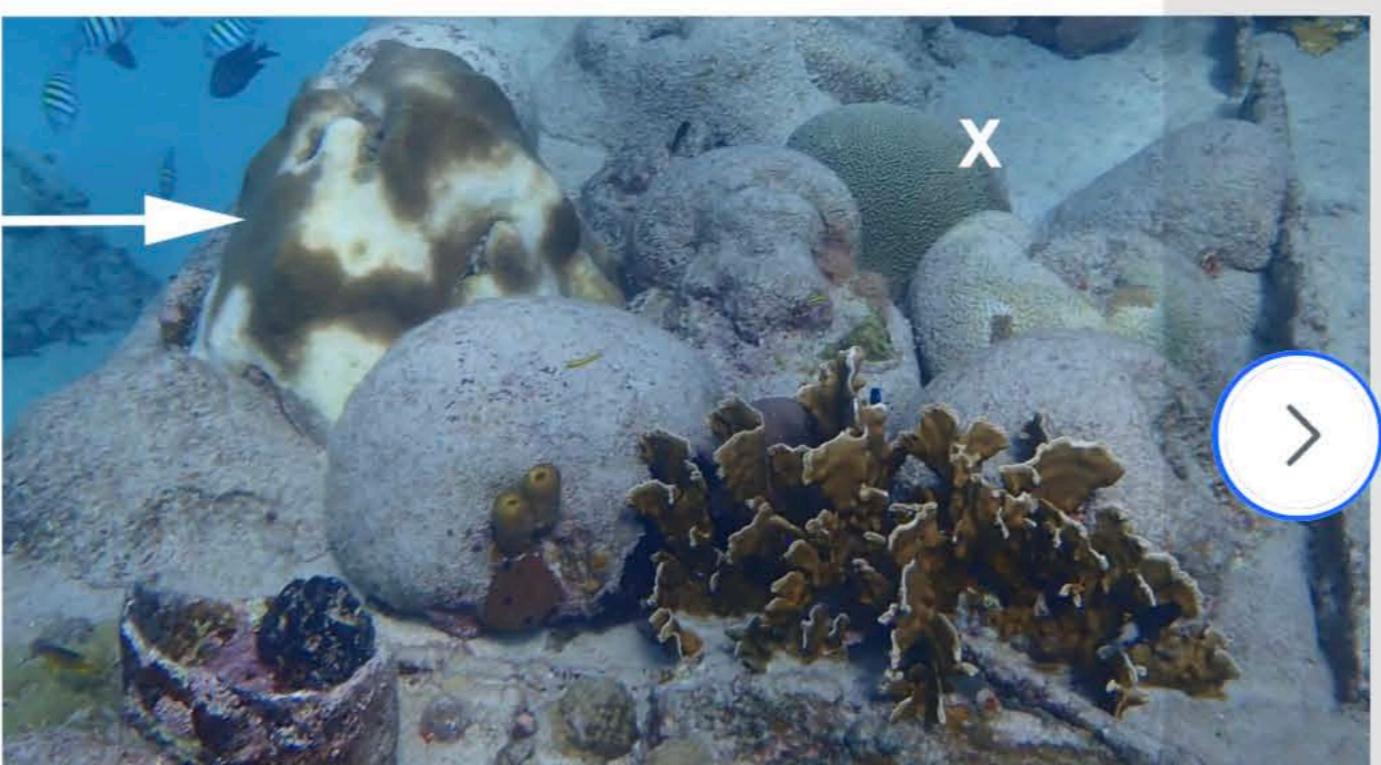


10

X



Jan 15, 2023



Apr 4, 2023

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David Graham Patriquin

April 11, 2023 .

...

On 'The Wreck' at Vauxhall Reef, some changes in the corals from when I first arrived. The arrow points to a colony of *Oribicella annularis* (Mountainous Star Coral), the only one on the wreck. I had been watching it carefully for signs of SCTLD (Stony Coral Tissue Loss Disease) as there is a lot of this coral on these reefs and it is reported to be highly susceptible to SCTLD but I wasn't seeing it. Here it sat amongst other corals that were affected by SCTLD or WPD (White Pl... [See more](#)

Edit

C.e. Rodger and James Boyer

1



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Norman Phinney  
Loved the pictures Thanks

2y Like Reply



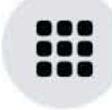
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David Graham Patriquin

April 11, 2023 .

...

A Big clump of *O. annularis* about 25 feet deep. now heavily infected by, presumably, SCTLD.... [See more](#)

Edit

Mary Manley, C.e. Rodger and 4 others

2



Most relevant ▾



Todd V Yeadon

Is that being enhanced by any nitrate run off or spreading because of ocean temp inc?

2y Like Reply



David Graham Patriquin replied · 1 Reply

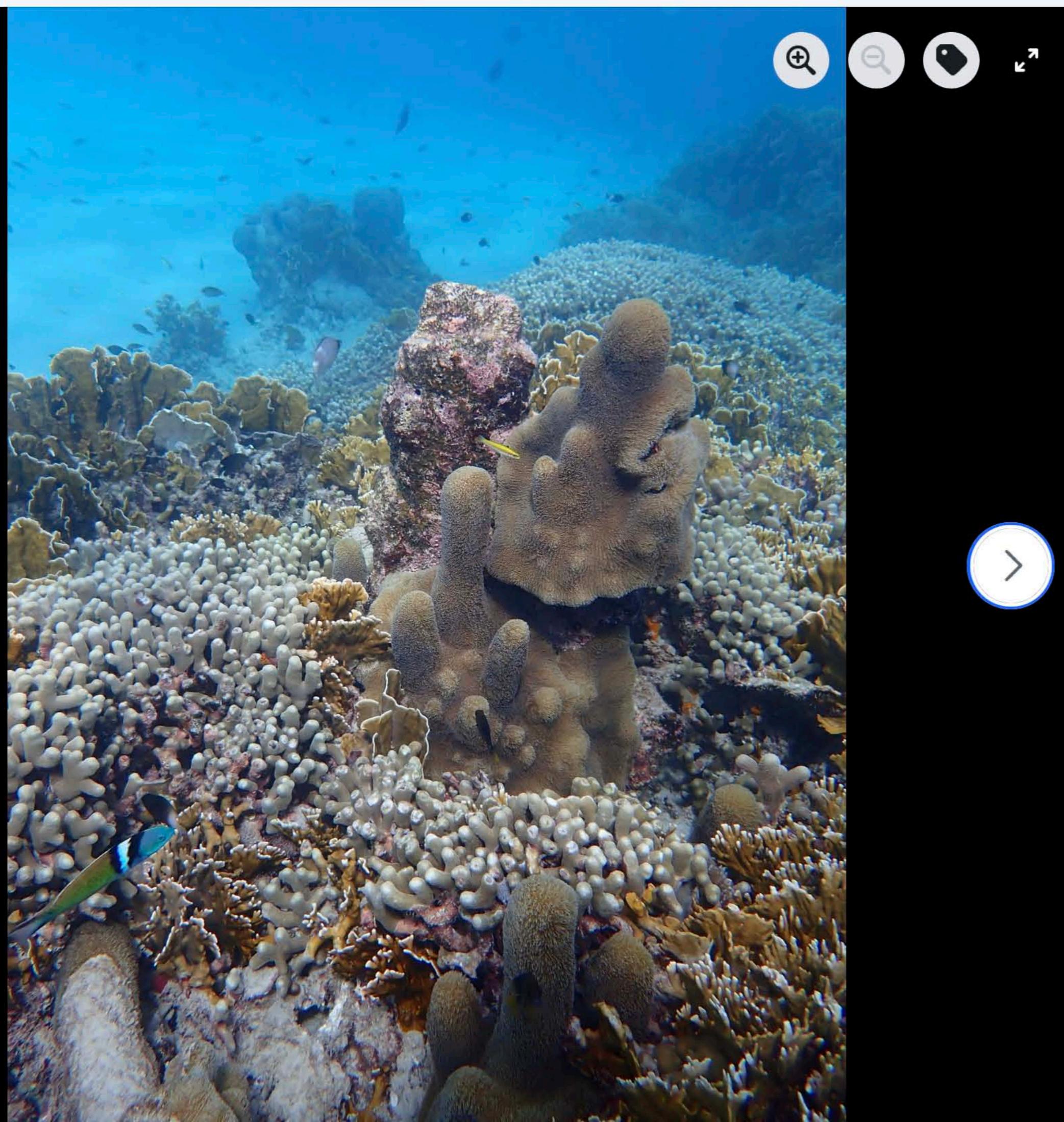


Comment as David Graham Patriquin



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David Graham Patriquin

April 11, 2023 . 

But nearby another coral, Pillar Coral, an endangered species that is reported to be highly susceptible to SCTLD, but remained uninfected on Apr 4. It was located towards the end of a "spur" in the spur and groove/seaward slope part of the fringing reef.... [See more](#)

Edit

  Mary Manley, C.e. Rodger and 5 others



Comment as David Graham Patriquin



X



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**David Graham Patriquin**

April 11, 2023 .

...

We started just past Surfside (popular partying spot)... "lets see if there are any tarpon today..." there were, we saw a half dozen or more 5ft+. On one I saw what looked like two Ramoras cleaning it (caught it on a poor video), which I hadn't seen before, I googled it, and ramoras are known to associate with tarpon (they are usually associated with sharks).... [See more](#)

[Edit](#)



Alan McHughen, C.e. Rodger and 2 others



Comment as David Graham Patriquin



X



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David Graham Patriquin

April 11, 2023

...

I ended up seeing about a dozen French Angelfish this year.... [See more](#)

Edit

Mary Manley, Nancy Graham and 4 others

1



Most relevant



Yu Carlos Chi-Shih  
Pretty

2y Like Reply



Comment as David Graham Patriquin



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**David Graham Patriquin**

April 11, 2023 .

...

And lots of Hawksbill Turtle (Endangered Species), here on very sparse seagrass.... [See more](#)

[Edit](#)

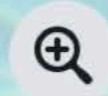
C.e. Rodger, Bev Wigney and 2 others



Comment as David Graham Patriquin



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David Graham Patriquin

April 11, 2023

...

A little beyond the edge of the fringing reefs, less affected by pollutants than closer to shore, there are some nice patches of coral. Here, a beautiful colony of *Siderastrea radians* (Starlet Coral), with some small *P. strigosa* brain corals.... [See more](#)

Edit



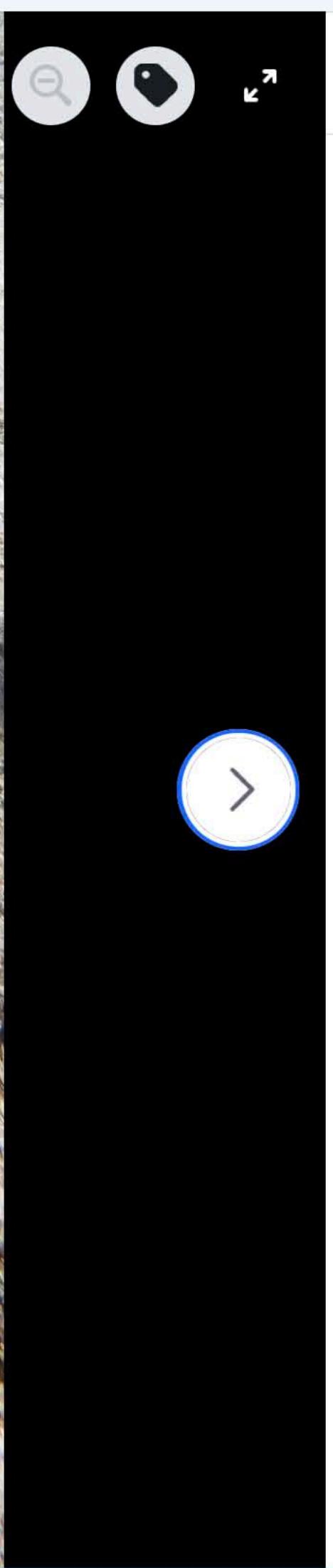
Mary Manley, Kathleen Gidney and 5 others



Comment as David Graham Patriquin



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David Graham Patriquin

April 11, 2023 .

...

A very colourful sponge,... [See more](#)

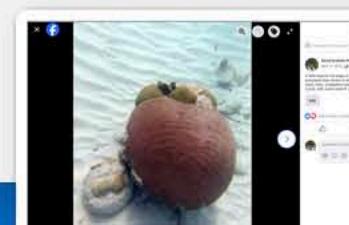
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C.e. Rodger, Christina Harris and 3 others



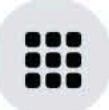
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**David Graham Patriquin**

April 11, 2023 ·

...

On the fringing reef, not far from 'The Club' a healthy colony of Elkhorn coral (*Acropora palmata*), a species not affected by these recent diseases; next to it. *P. strigosa* brain coral, so far, disease-free. (SCTLD and WPD affect many of the brain corals, and other 'massive corals'). Will it be infected when I revisit in 2024? That's my big question for next year- how many susceptible corals remain uninfected//are there signs of some resistance?... [See more](#)

[Edit](#)



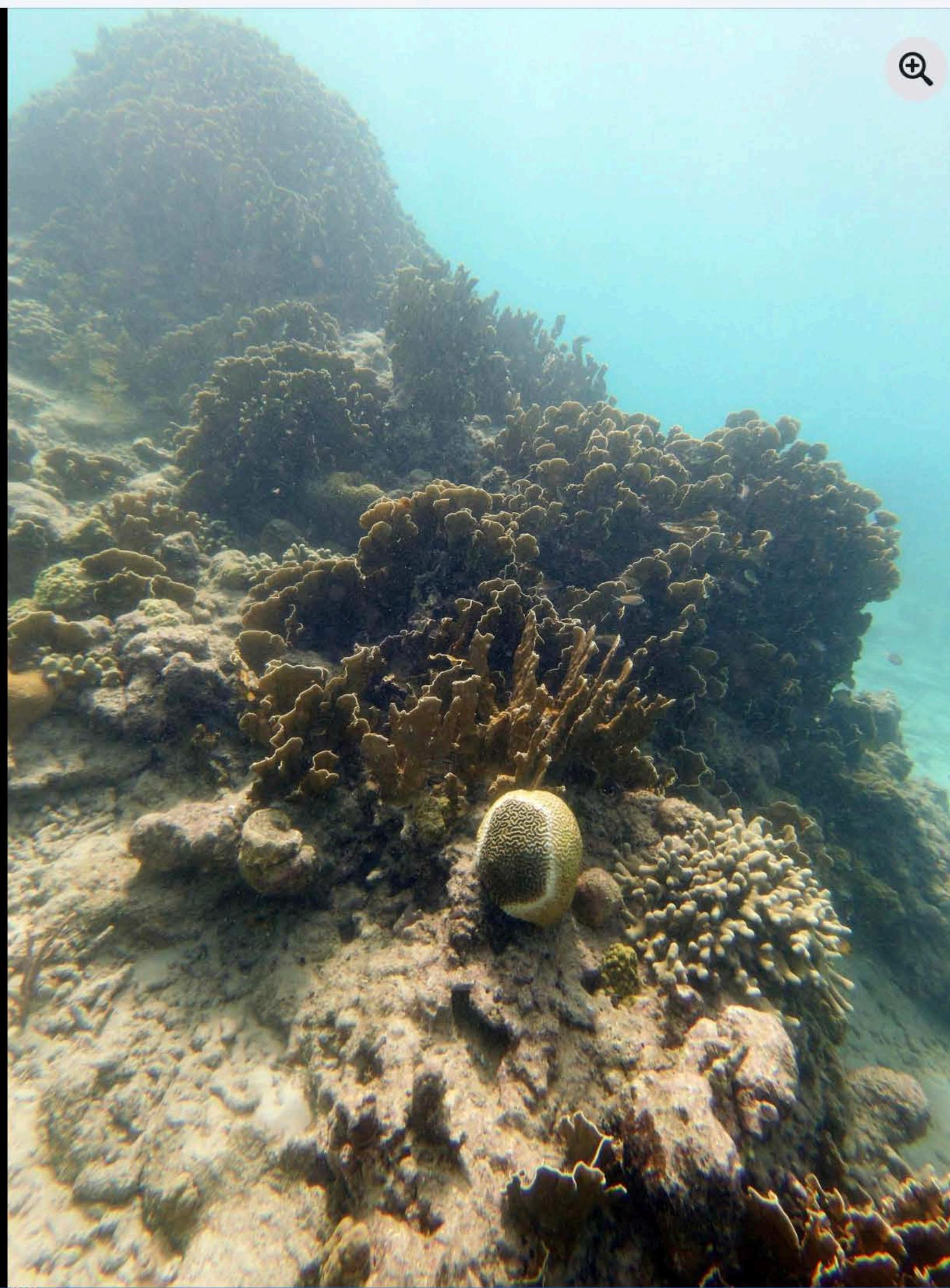
C.e. Rodger, Bev Wigney and 3 others



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**David Graham Patriquin**

April 11, 2023 .

...

A "City of Gold" at the edge of the fringing reef. Formed by "Stinging Coral", not a true coral, they host a lot of invertebrate and fish life. Not affected by common coral diseases. In the middle, a *P. strigosa* brain coral, 2/3rds infected by SCTLD or WPD.... [See more](#)

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Mary Manley, C.e. Rodger and 2 others

1



Most relevant



**James Boyer**

City of Gold so full of life! Fun to hover over and find interesting things inside...ie Moray Eel!

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**David Graham Patriquin**

April 11, 2023 .

...

Oh Oh. A little beyond the fringing reefs, about 20 ft deep, a patch of reef with Pillar Coral, seeming infected with SCTLD. The first and only time I saw any signs if infection on this species. It's a pretty good indication that we indeed have SCTLD here, probably WPD also.... [See more](#)

[Edit](#)

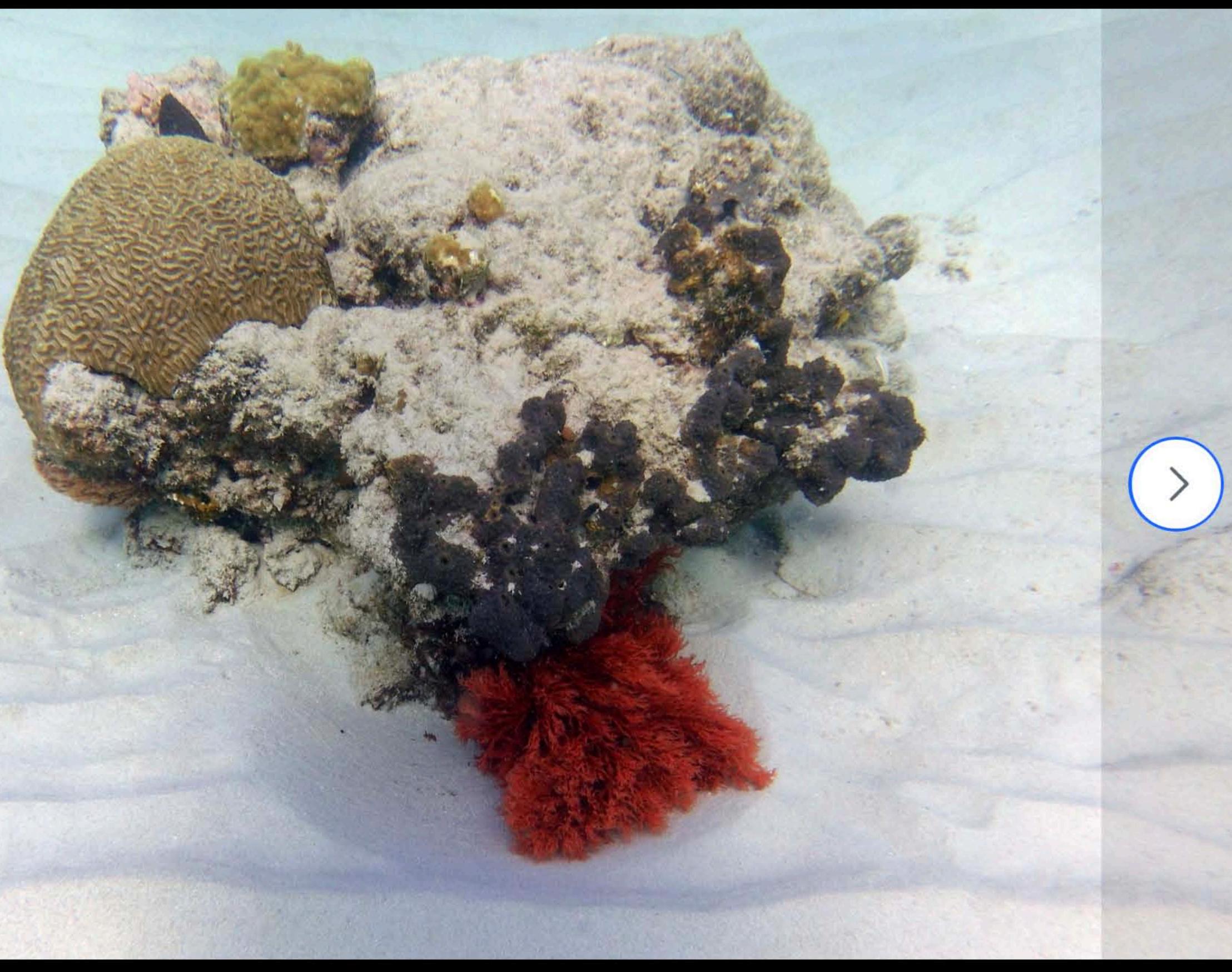
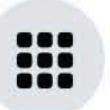
C.e. Rodger



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David Graham Patriquin

April 11, 2023 .

...

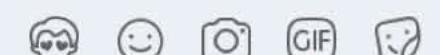
A striking red alga, I think it is *Ochtodes scundiramea*; first time I have seen it in Barbados.... [See more](#)

[Edit](#)

C.e. Rodger



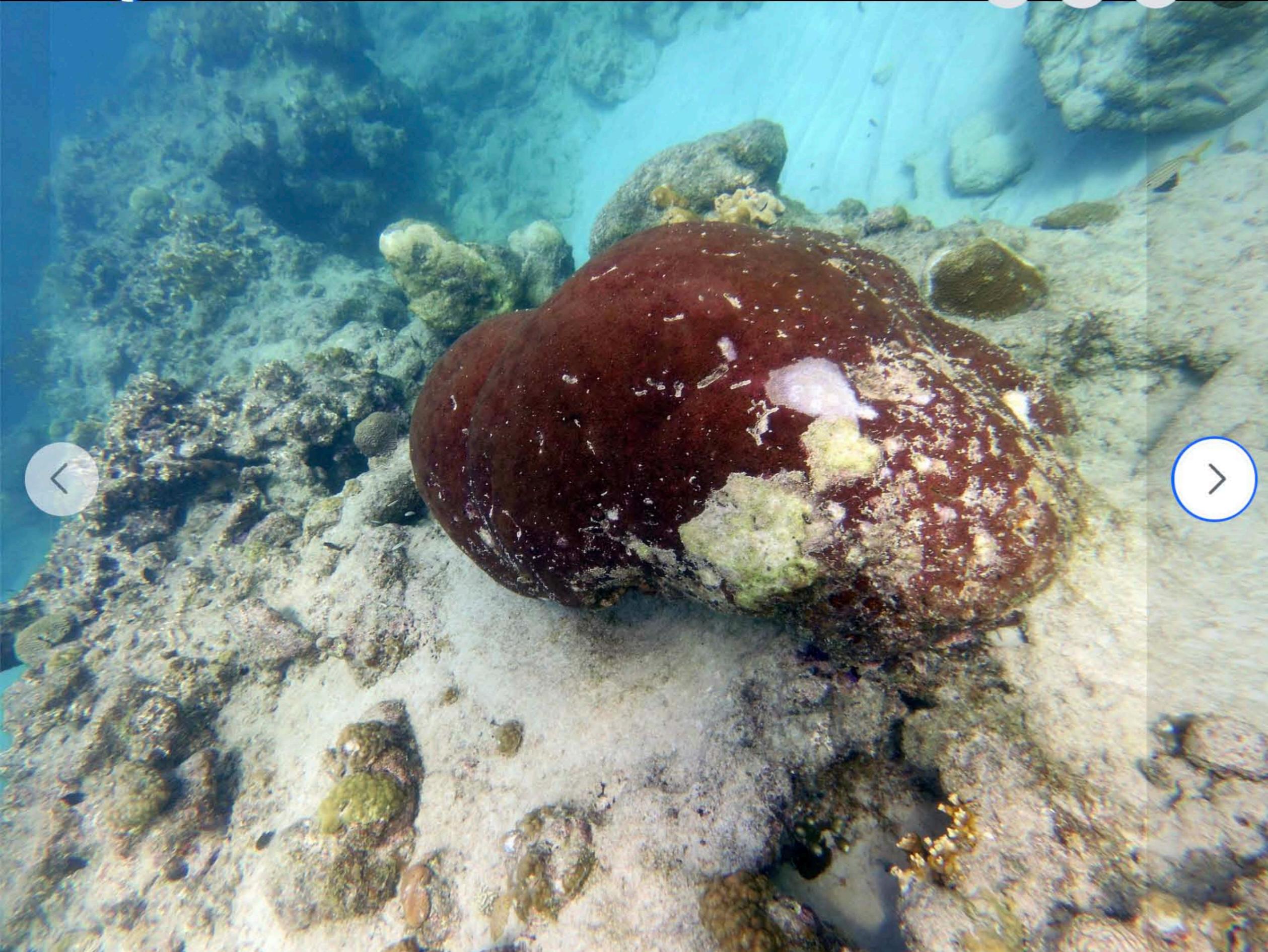
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**David Graham Patriquin**

April 11, 2023 .

...

Another Oh-Oh. Infected Starlet coral.... [See more](#)

[Edit](#)



Kathleen Gidney and C.e. Rodger

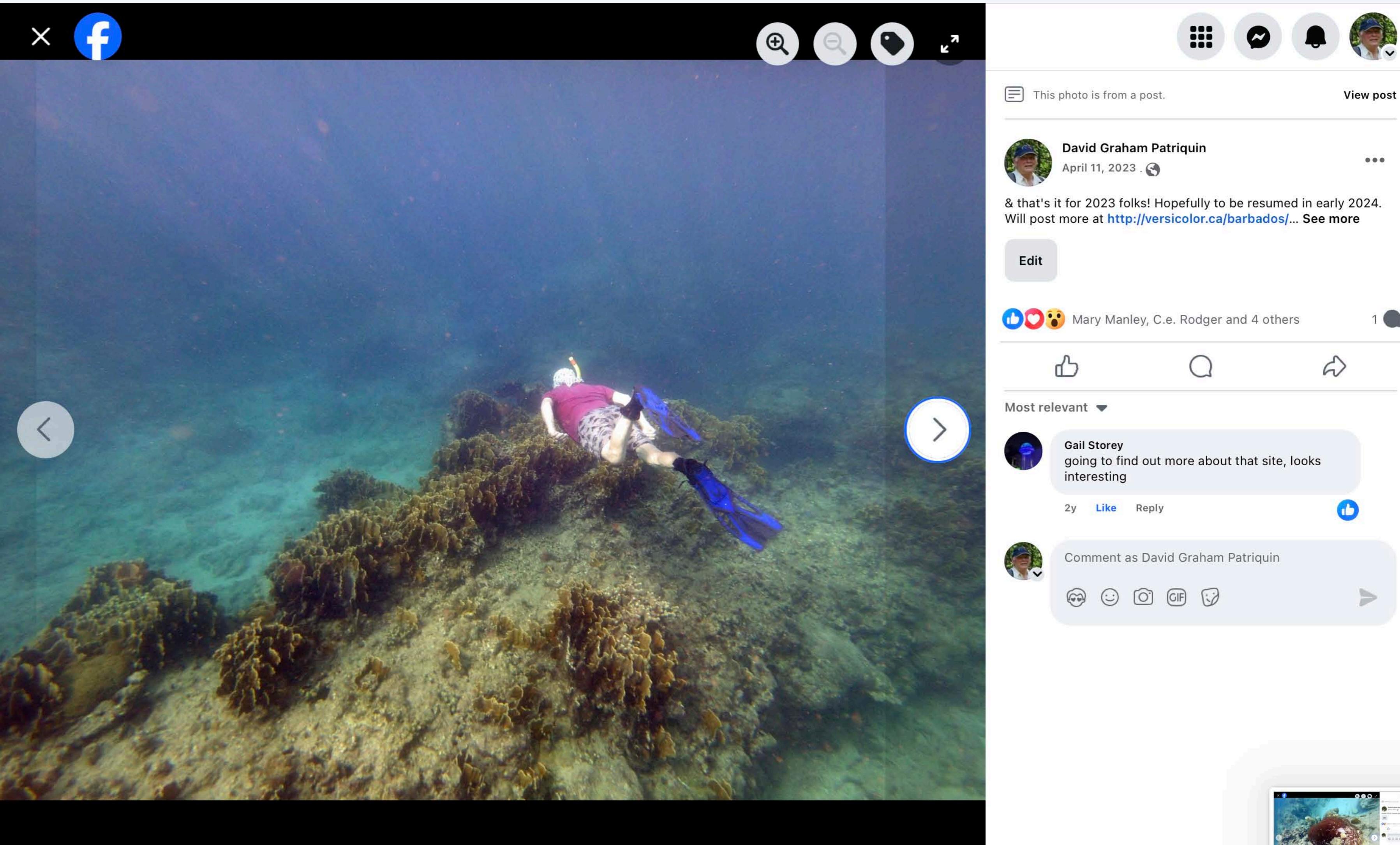


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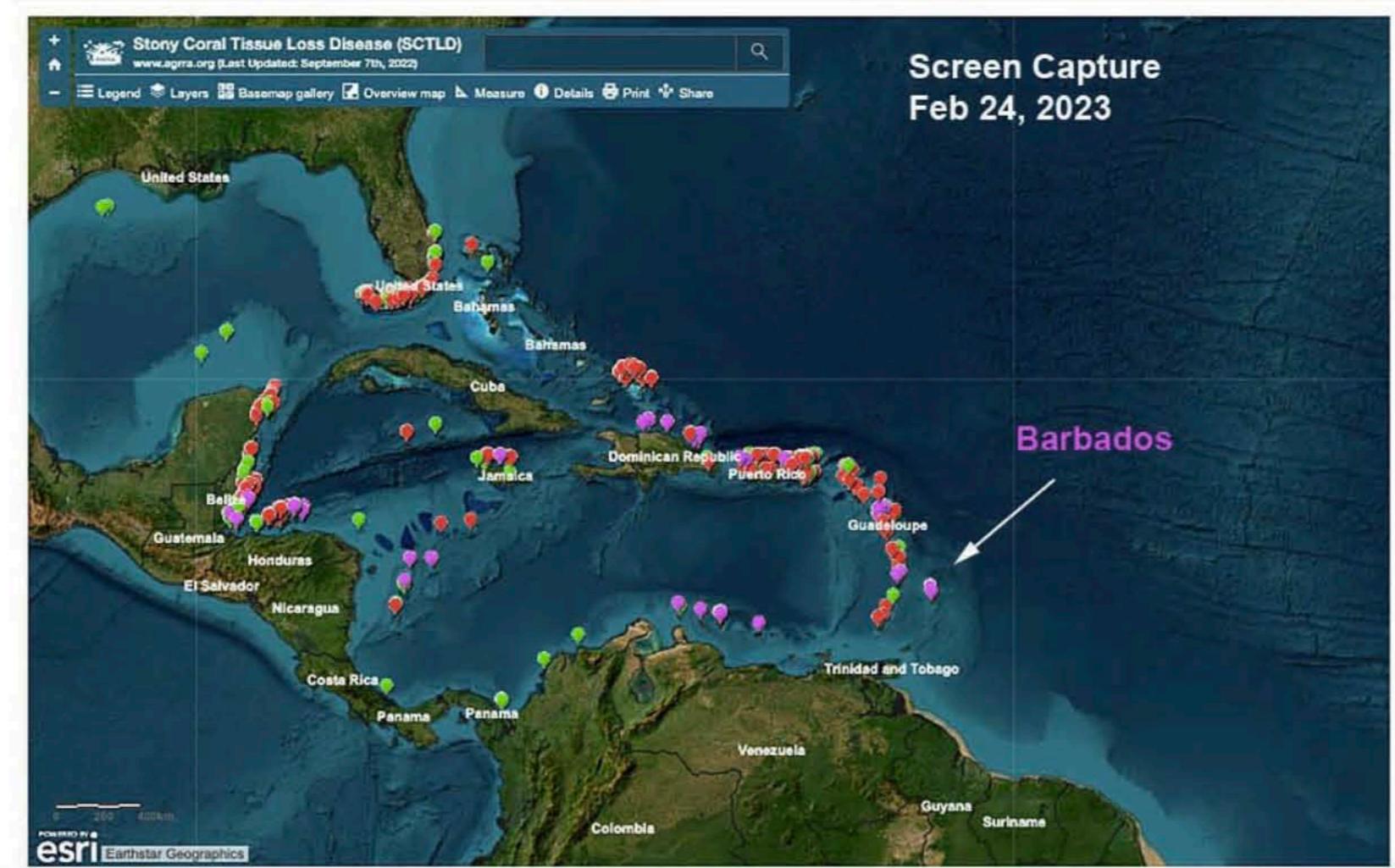
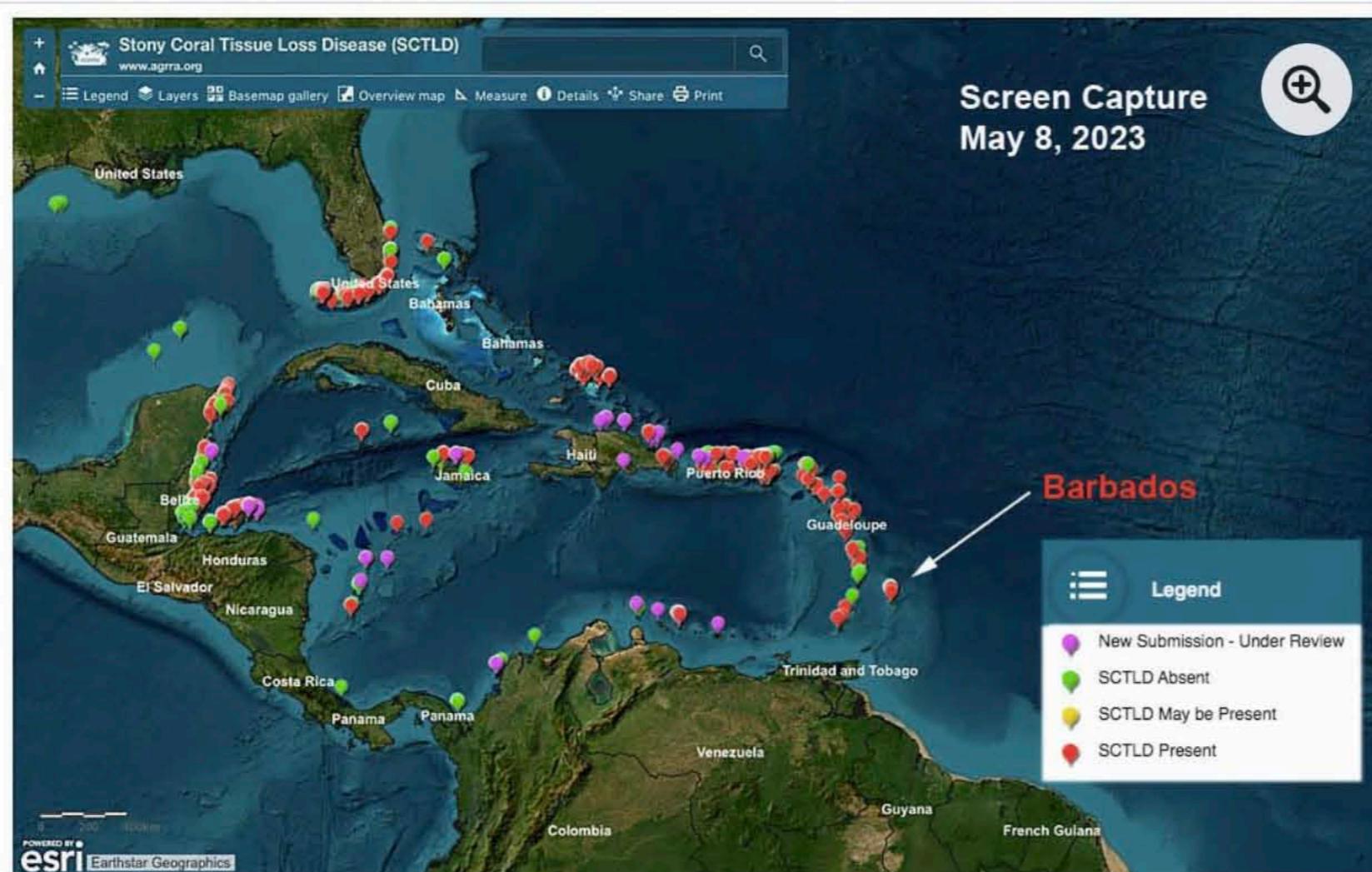


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David Graham Patriquin  
May 10, 2023 .

AGRRA confirms presence of Stony Coral Tissue Loss Disease in Barbados 10May2023. [http://versicolor.ca/.../agr.../](http://versicolor.ca/.../agr...) See less

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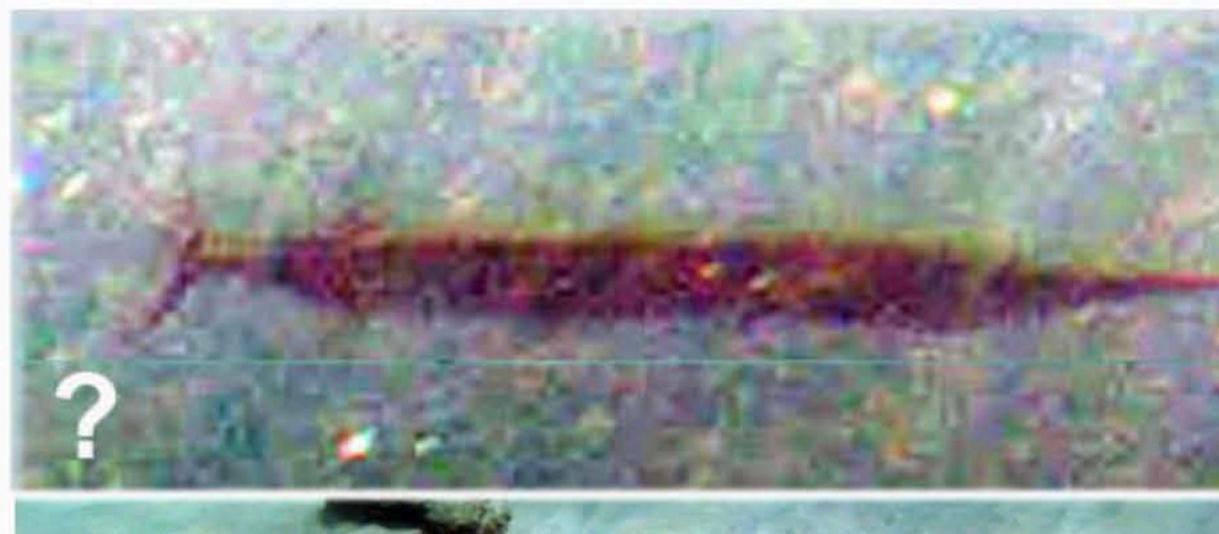
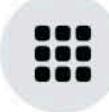
J Sherman Boates, Christina Harris and 5 others

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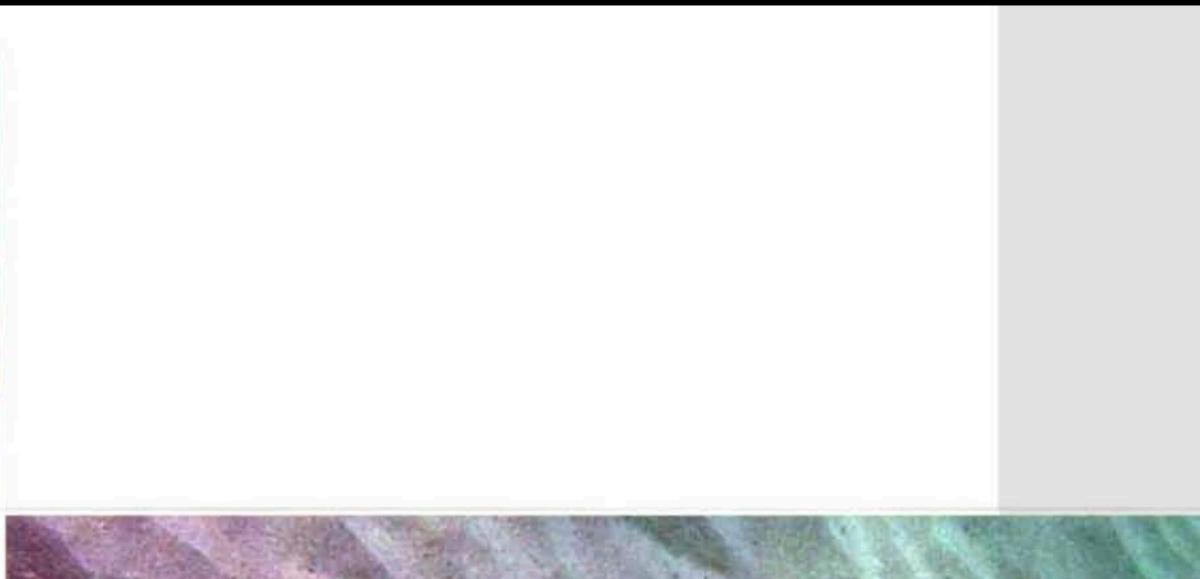
?



tarpon



bonefish (wikipedia)



barracuda



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David Graham Patriquin

May 12, 2023 ·

...

Tarpon, Bonefish or Barracuda? One of the quasi-mindless distractions I pursue when my back is acting up is to process my quasi-mindless collections of nature photos & videos including the circa 8000 pics & 300 videos from our early 2023 time in Barbados. When I was processing a video of a school of horse-eye jacks near the reef crest of the reef just to the south of 'The Club' to post on YouTube, I noticed some dark figures here and there in the background; enhanced a bit, they could be any one of 2 larger predatory fish which are caught from shore in that area- barracuda and bonefish; or tarpon, which are hardly ever caught but can often be seen from shore darting in and out of the shallows. I uploaded the enhanced pic to iNaturalist and it's top pick was tarpon; bonefish and barracuda not amongst lesser pics, but I am not convinced these were tarpons. I took pics of tarpon and barracuda in the same general area as shown; bonefish pic is from wikipedia. [See less](#)

Edit

2



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Carl Munden  
Alligator Gar

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David Graham Patriquin replied · 1 Reply



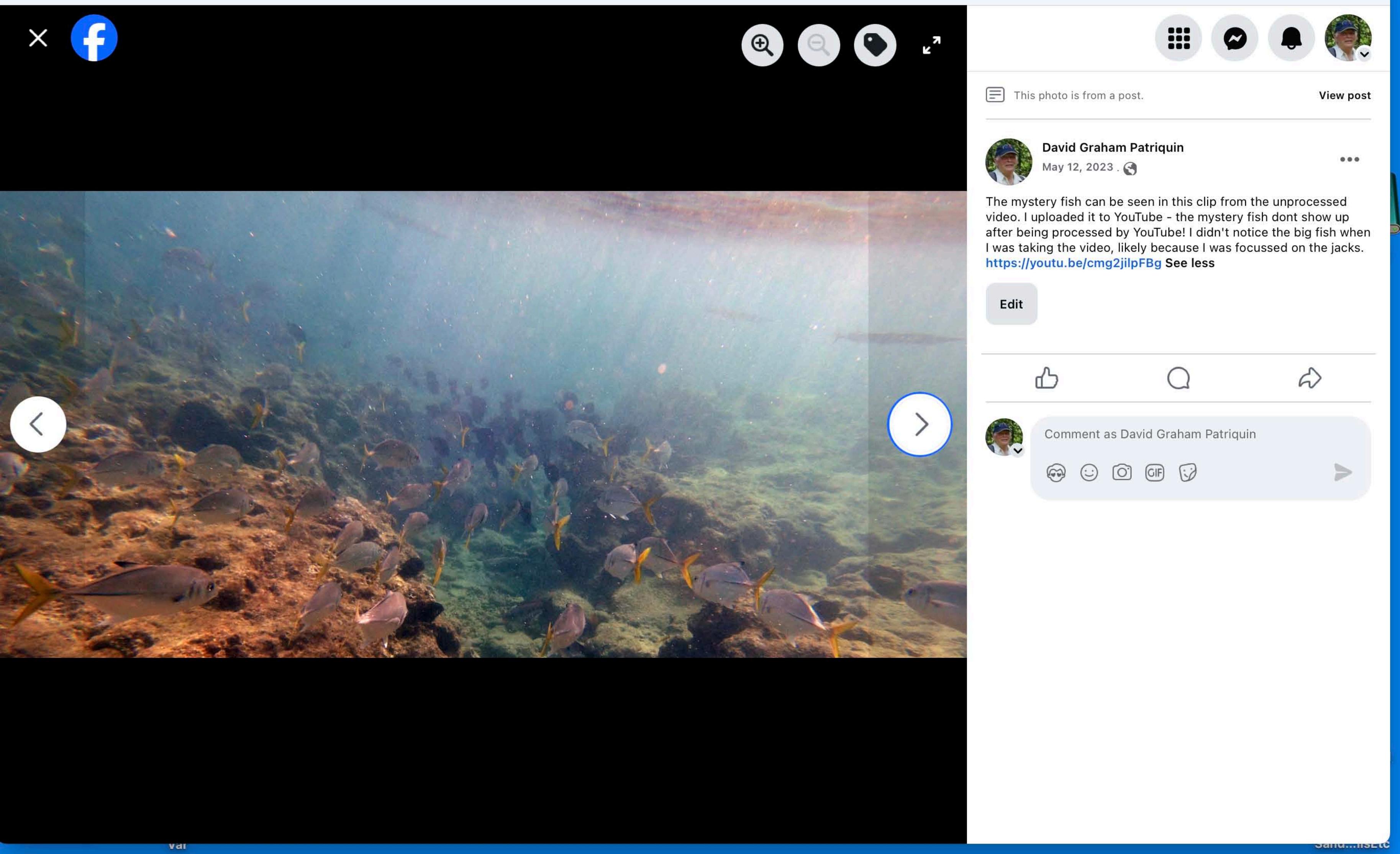
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Sand...nSLtC



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David Graham Patriquin

May 12, 2023 .

...

The mystery fish can be seen in this clip from the unprocessed video. I uploaded it to YouTube - the mystery fish don't show up after being processed by YouTube! I didn't notice the big fish when I was taking the video, likely because I was focused on the jacks.

<https://youtu.be/cmg2jilpFBg> See less

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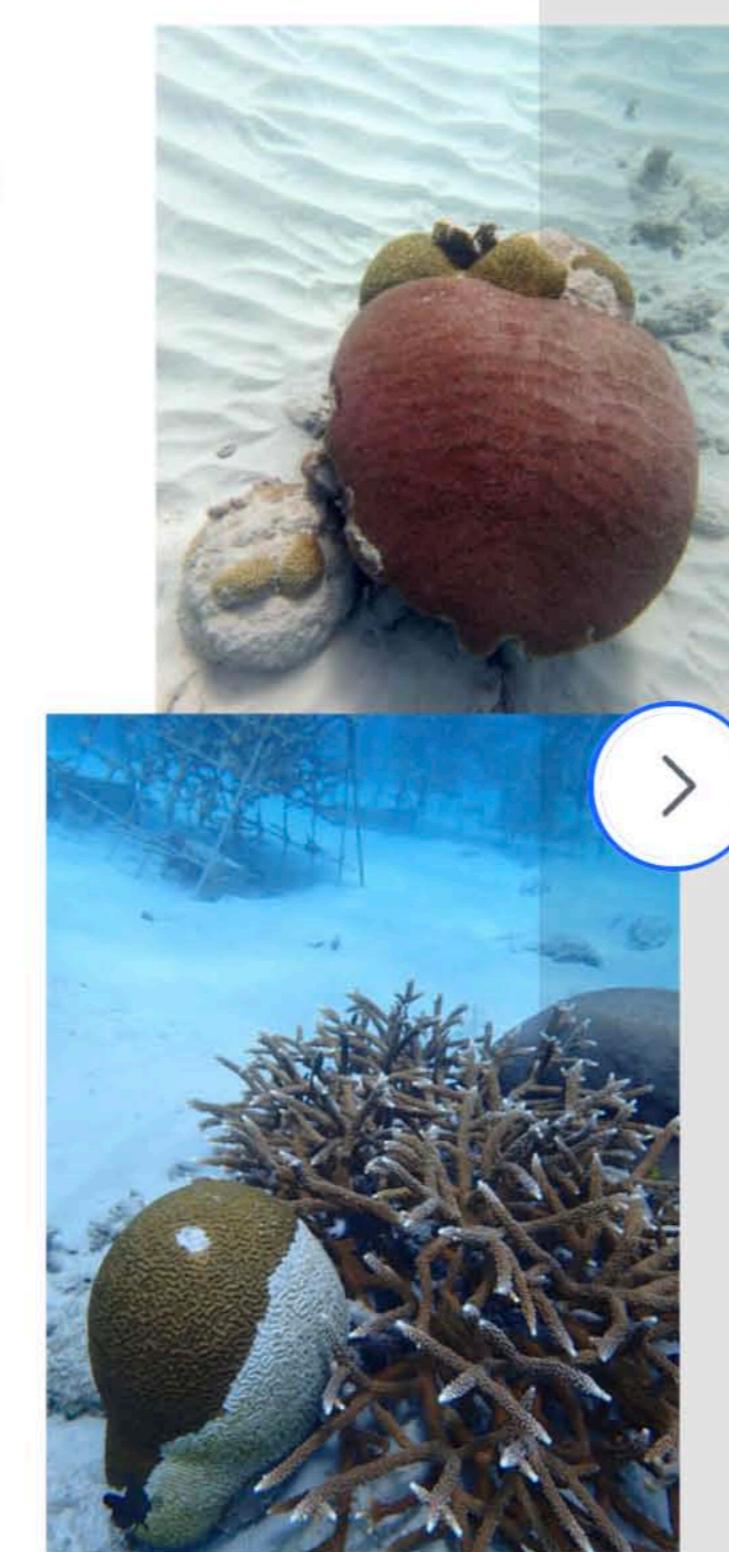
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# Vauxhall Reef & Environs, Folkestone MPA, Barbados

Jan to Apr 2023

*A Photo-Diary*



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View post



David Graham Patriquin

May 12, 2023



Another product of Back Pain that prob. wouldn't have happened otherwise: I made a PDF album of the nature pics in Barbados 2023; also posted the videos that were in this Facebook album on YouTube. See <http://versicolor.ca/.../bb-observations/reef-videos-2023/> See less

Edit



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David Graham Patriquin

May 31, 2023 .

...

Flashback - With McGill students (center 5) on their 2-day field project on Mar 3&4; and 'Volunteer Den Mother' **Claire Rodger** at right on Mar 3. We didnt know quite how it would go, 8 undergrad students, we were uncertain of their swimming skills... we were pleasantly surprised in the water and subsequently... [See less](#)

Edit



James Boyer and Paul Berry



Comment as David Graham Patriquin





# Occurrence of Stony Coral Tissue Loss Disease on Vauxhall Reef and a Breakwater in the Folkstone Marine Protected Area of Barbados

Keira Cassidy, Laurie Chan, Cameron Davies, Anthea Fleming, Summer Gleason, Raef Lawrence, Maxime Léger, & Angelina Nikolaeva

Department of Geography

GEOG 496

McGill University

April 2023

Data collection took place during low tide to ensure the reefs were shallow enough to dive and photograph affected corals. Two sets of photos were taken sixteen days apart, with two cameras. The initial set of photos was taken by Dr. Patriquin on February 15<sup>th</sup> on a SeaLife MICRO 3.0. The same camera was used for data collection by students on March 3<sup>rd</sup> and 4<sup>th</sup>, with Dr. Patriquin taking additional photos on these days with an Olympus Tough TG6. On March 3<sup>rd</sup> at Surfside breakwater, 188 photos were captured using the SeaLife MICRO 3.0 and 550 photos on the Olympus Tough TG6. On March 4<sup>th</sup> at Vauxhall Reef, 214 photos were captured on the SeaLife MICRO 3.0 and 270 photos on the Olympus Tough TG6.



Figure 1. *Pseudodiploria strigosa* Infected with WPD



Figure 2. *Pseudodiploria strigosa* Infected with SCTLD

## Analytical Methods

Photos of coral were examined separately by location, with data collected for Vauxhall Reef and for the Surfside breakwater. Infected coral species were identified based on photo ID kits, reference photos, and guidance from marine experts (AGRRA, Jan. 17, 2023; D. Patriquin, personal communication, March 29, 2023). Different brain coral species were identified through specific criteria including the size, shape, space between ridges. Disease was then identified in photos, either WPD or SCTLD, assigning a count of the abundance of each identified disease to the identified species of coral. The diseases were identified through the physical differentiations of SCTLD and WPD given by Cróquer et al. (2021). Infected corals showing a more defined white line, with the infection starting in a singular spot on the coral and gradually enveloping the

## Appendix D: Table of Aquatic Biodiversity



*Lactophryrus triqueter* (Smooth Trunkfish)   *Dactylopterus volitans* (Flying Gurnard)   *Eretmochelys imbricata* (Hawksbill Turtle)

*Hypanus americanus* (Southern Stingray)   *Abudefduf saxatilis* (Sergeant Major)   *Hippocampus reidi* (Slender Seahorse)

## Results

SURFSIDE	Stony Coral Tissue Loss Disease			White Plague Disease			TOTAL	
	<i>Pseudodiploria</i> <i>clivosa</i>	<i>Pseudodiploria</i> <i>strigosa</i>	<i>Siderastrea</i> <i>radians</i>	<i>Pseudodiploria</i> <i>clivosa</i>	<i>Pseudodiploria</i> <i>strigosa</i>	<i>Siderastrea</i> <i>radians</i>	SCTLD	WPD
TOTAL	1	3	0	10	126	1	5	137
- ZONE TOTALS -								
ZONE 1 (1-2)	0	0	0	0	9	0	0	9
ZONE 2 (2-3)	1	0	0	2	29	0	1	31
ZONE 3 (3-4)	0	0	0	1	19	0	0	20
ZONE 4 (4-5)	0	0	0	1	9	0	0	10
ZONE 5 (5-6)	0	0	0	0	4	0	0	4
ZONE 6 (6-7)	0	3	1	1	32	1	4	34
ZONE 7 (7-8)	0	0	0	5	24	0	0	29

Table 1. Total number of corals infected with SCTLD and WPD at the Surfside breakwater

VAUXHALL	Stony Coral Tissue Loss Disease						TOTAL	
	<i>Pseudodiploria</i> <i>clivosa</i>	<i>Pseudodiploria</i> <i>strigosa</i>	<i>Siderastrea</i> <i>siderea</i>	<i>Orcinella</i> <i>annularis</i>	<i>Montastraea</i> <i>cavemosa</i>	<i>Siderastrea</i> <i>radians</i>	<i>Acropora</i> <i>cervicornis</i>	SCTLD
TOTAL	1	15	0	3	2	1	0	0
- ZONE TOTALS -								
DIPLOIA-PALYTHOA (1-2)	0	0	0	0	0	0	0	0
REEF CREST (2-3)	0	1	0	3	0	0	0	0
SEAWARD SLOPE (3-4)	0	0	0	0	0	0	0	0
REEF FRONT (4-5)	1	4	0	0	0	0	0	0
WRECK (5-6)	0	5	0	0	0	0	0	0
WRECK II (6-7)	0	0	0	0	0	0	0	0
REEF FRONT II (7-8)	0	2	0	0	0	0	0	0
WRECK III (8-9)	0	0	0	0	0	0	0	0
REEF FRONT III (9-10)	0	1	0	0	0	0	0	0
SEAWARD SLOPE #2 (10-11)	0	1	0	0	0	0	0	0
REEF CREST #2 (11-12)	0	1	0	0	2	1	0	0

Table 2. Number of corals infected with SCTLD at Vauxhall Reef

VAUXHALL	White Plague Disease						TOTAL	
	<i>Pseudodiploria</i> <i>clivosa</i>	<i>Pseudodiploria</i> <i>strigosa</i>	<i>Siderastrea</i> <i>siderea</i>	<i>Orcinella</i> <i>annularis</i>	<i>Montastraea</i> <i>cavemosa</i>	<i>Siderastrea</i> <i>radians</i>	<i>Acropora</i> <i>cervicornis</i>	SCTLD
TOTAL	9	130	1	28	5	0	6	22
- ZONE TOTALS -								
DIPLOIA-PALYTHOA (1-2)	0	0	0	0	0	0	1	0
REEF CREST (2-3)	0	3	1	5	1	0	0	4
SEAWARD SLOPE (3-4)	1	6	0	0	0	0	0	7
REEF FRONT (4-5)	1	13	0	0	0	0	5	19
WRECK (5-6)	4	26	0	0	0	0	0	30
WRECK II (6-7)	0	8	0	0	0	0	0	8
REEF FRONT II (7-8)	2	35	0	12	0	0	2	49
WRECK III (8-9)	0	3	0	0	0	0	0	3
REEF FRONT III (9-10)	1	14	0	0	0	0	0	15
SEAWARD SLOPE #2 (10-11)	0	4	0	0	1	0	0	5
REEF CREST #2 (11-12)	0	20	0	8	3	0	0	31

Table 3. Total number of corals infected with SCTLD and WPD at Vauxhall Reef

SURFSIDE	Stony Coral Tissue Loss Disease						White Plague Disease		TOTAL	
	<i>Pseudodiploria</i> <i>clivosa</i>	<i>Pseudodiploria</i> <i>strigosa</i>	<i>Siderastrea</i> <i>clivosa</i>	<i>Pseudodiploria</i> <i>clivosa</i>	<i>Pseudodiploria</i> <i>strigosa</i>	<i>Dichocoenia</i> <i>stokesii</i>	SCTLD	WPD	SCTLD	WPD
SURFSIDE Feb. 15	0	1	3	38	1	1	1	1	42	42

Table 4. Total number of corals infected with SCTLD and WPD at the Surfside breakwater on February 15<sup>th</sup>



This photo is from a post.



David Graham Patriquin

May 31, 2023

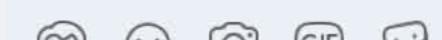


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James Boyer



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