

Marine heatwaves in the Archipelago Sea – coping mechanisms



ARCHIPELAGO
sea
2025

Citizen science project:

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In a shallow bay in the Archipelago Sea
there lived five friends



My name is Bladdy
the Bladderwrack.

My friends call me
Russell, the
bluemussel.

The name is
Perch.
Perry Perch.

I'm Mya,
I'm a sand
gaper.

Hellooo! My name is
Crabby. I'm new in this
neighbourhood.

As the summer days passed and the sun shone
brighter, something weird was slowly building in
the calm bay

Hey guys, I really
don't want to worry
anyone but...

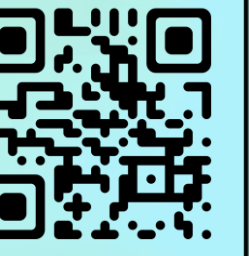
WHAT?!
WHAT IS IT PERRY?

Oh noooo!!
It's an army of
eiderducks coming
to eat me and all of my
family?! Isn't it Perry? **ISN'T IT?**
Oh silly me, I should have known
something bad was going to
happen! I've had nervous
sweats for days!

Help! I'm
really scared

Shhh!
Calm down
everybody and
let Perry speak! I'm
sure that whatever
this threat is, I can
defend myself against
it with my big claws.

Marine heatwaves



Don't you guys feel it?
It feels **HOT!**
Like, unusually hot!

Now that you mention it, yes!
I've had some more algae
growing on me than usual,
and green algae (likes heat).
Don't you green algae?

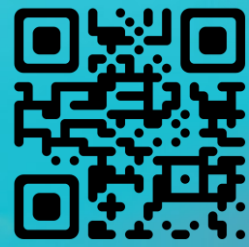
Yeeees!
Heat good!
Heat nice!

Oh so that's why I'm sweating.
Phew! No eiderducks then. All is well.
I'm sure the heat will pass.

Hmm... I don't really
like heat...

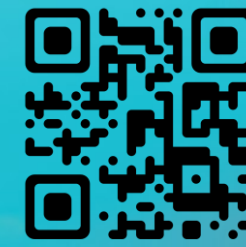
Hehehe! Are you guys
SERIOUSLY so bothered
about the weather? There is
barely any heat! Way cooler
than I'm used to back
home!

Mobility



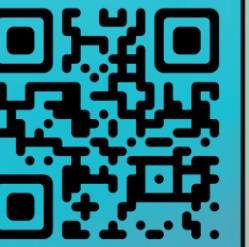
Sorry guys, I'm out
of here! It might be
cooler at my cousins
place deeper down.

Microclimates



Yup! That settles it for me!
If Perry is leaving I think it's
time to dig in! I have a feeling
it might be cooler deep down
in the sand

Metabolic depression



Gulp!
I guess I'll just have to
wait this out then.

Wow look guys! Some
bladderwrack to hide from the
perch in! Prime real estate! Let's
stop here to seek shelter and
feed!

Habitat-forming species



Welcome to Bladdys BnB!
I can't move away from the heat but
I'm happy to help others find shelter
in my branches. And while you're
at it, please could you eat away
at all of this green algae?

No problem!
Thank you!
(But please don't be mad if we also
eat some of **you**.)

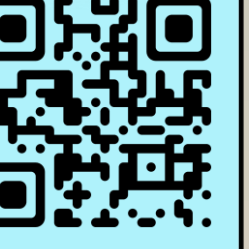
TPC



Wow this place emptied out fast!
All alone now...
What should I get up to? ...

I'm kind of hungry...
Wait...
No, I'm **REALLY** hungry!
I need to eat!
Like right now.
And a lot!
Anything (or anyone)
would do!

Post heatwave



Hey guys, my cousin sends his regards!
How is everyone doing? Not too stressed I hope.

That was rough...
I feel kind of sick actually.
Are there some pieces of me
missing? No biggie,
it will all be fine,
I think.

Pheweeew,
is it safe to come out yet?
There is very little air down
in the sand, but it was
cooler!

Thanks for providing
the buffet Bladdy!
I have never felt better!

For further information
on all concepts explored
in this poster

