

# The Great Barrier Reef is Great?

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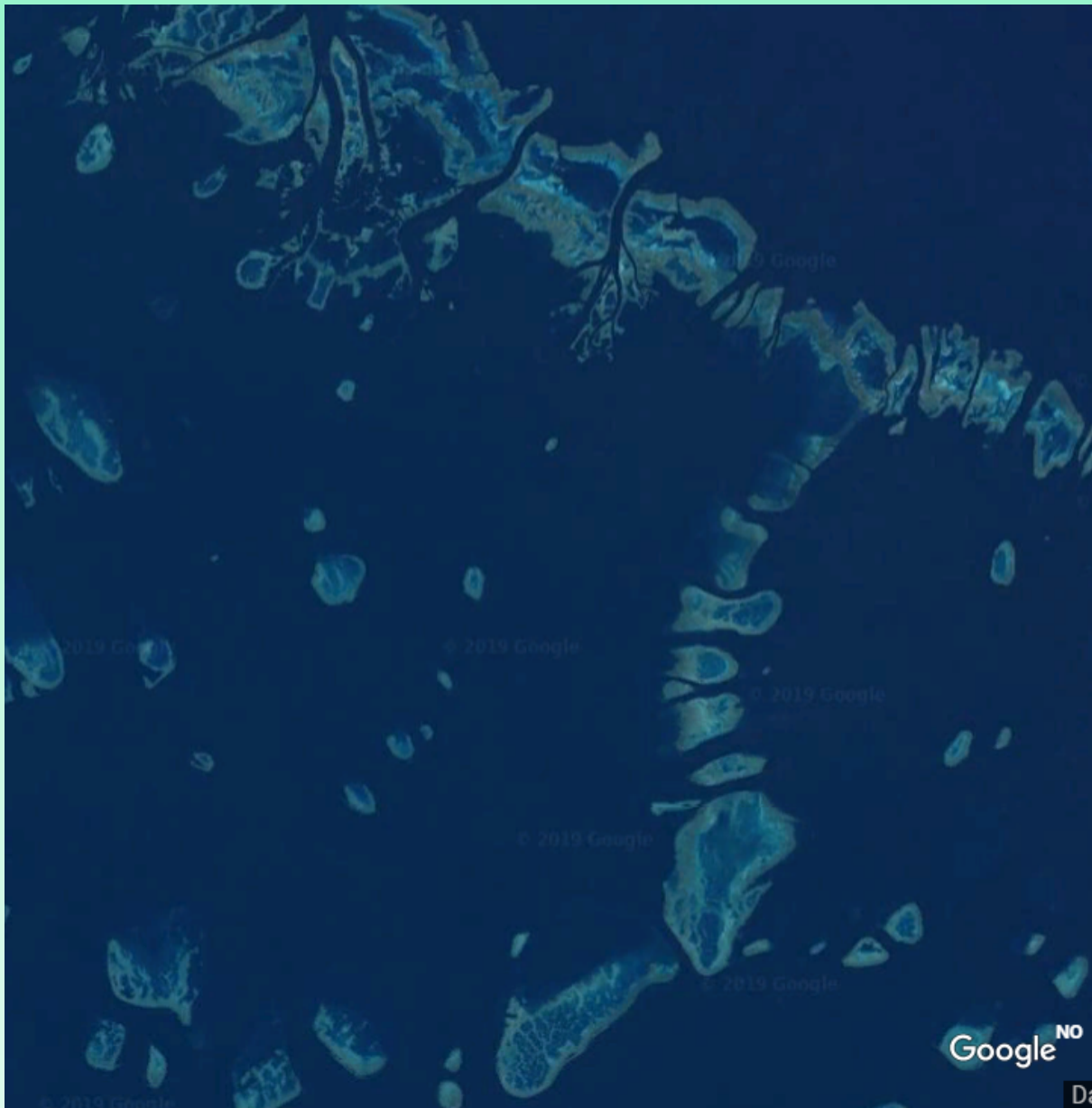
# Summary of the GBR

- Not a single reef, of 3000 reefs, has been lost
- Amount of coral on the reefs is at record highs
- Coral Growth rates have not changed for centuries
- Corals grow much faster in warmer water
- Reefs are highly variable. Destruction and regrowth.
- Most coral death is due to cyclones and starfish, not bleaching.
- Coral loss ALWAYS followed by strong recover – like a bushfire
- Pollution impacts are negligible.
- GBR rapidly “flushed” with the Pacific Ocean
- Pesticides are effectively not present
- Farm sediment (mud) does not reach the GBR
- Farm nutrients (fertilizer) are trivial

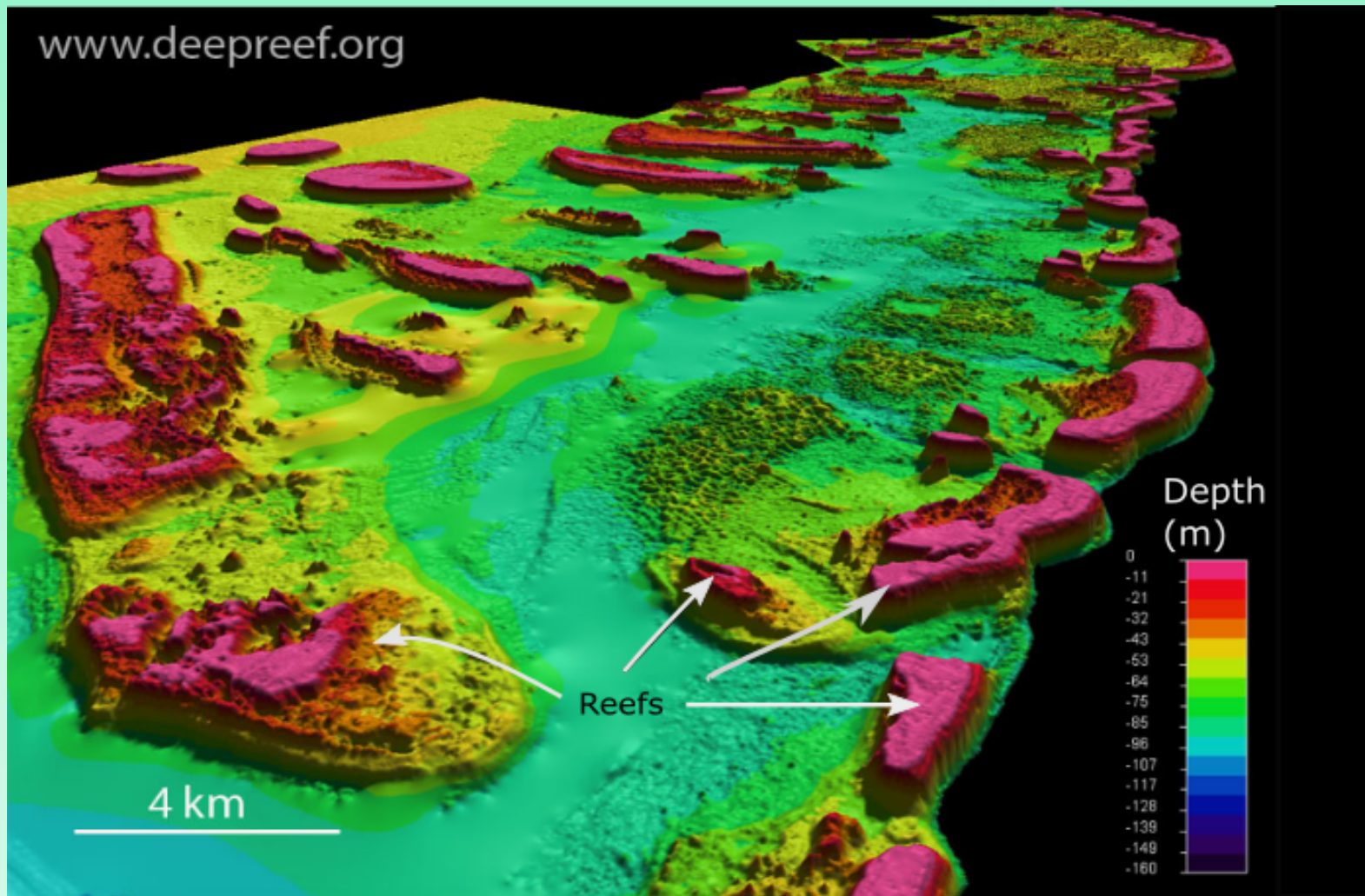


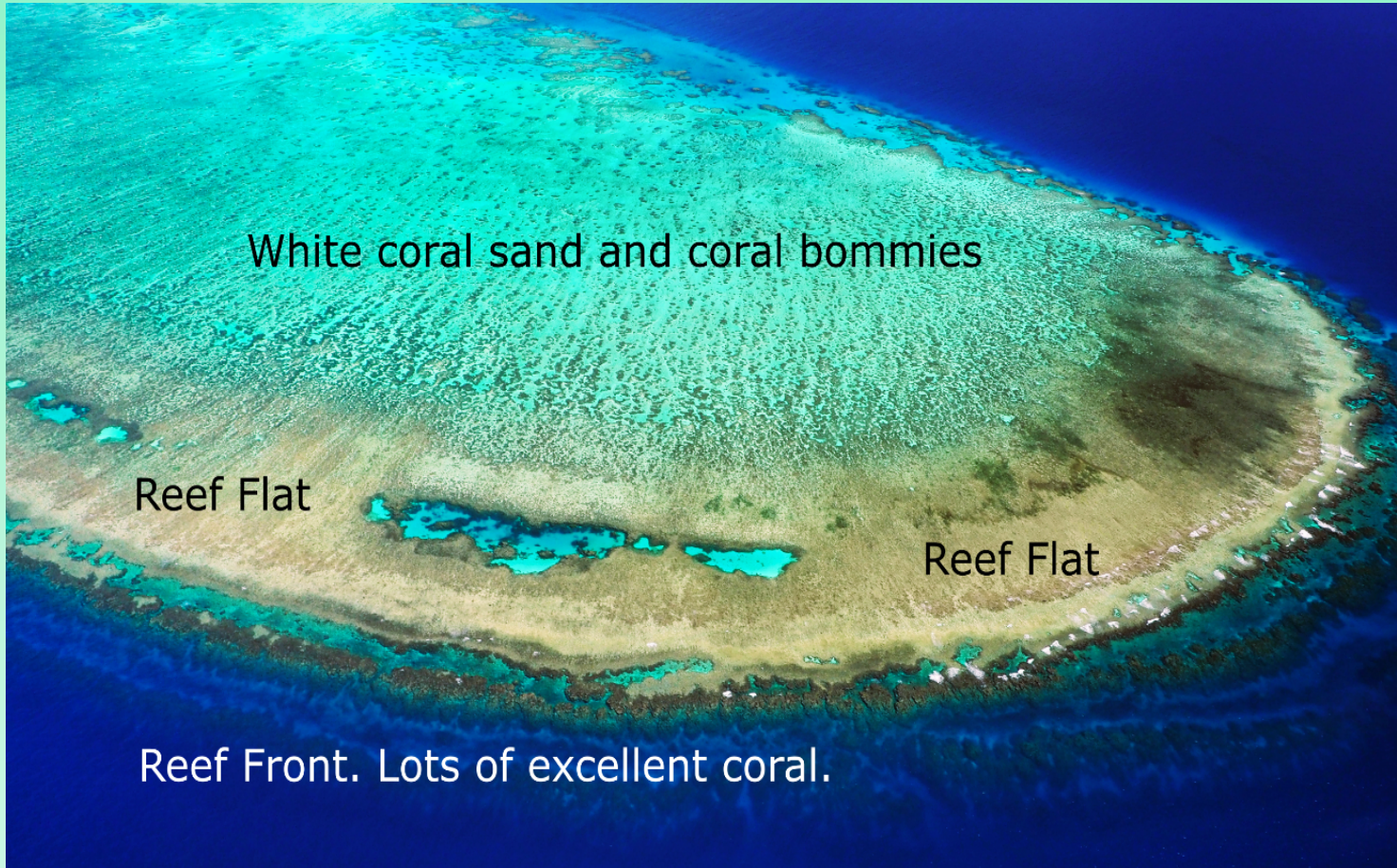
The Reef  
is a long  
way  
from the  
coast

And made of 3000 individual reefs each a few kilometres in size



[www.deepreef.org](http://www.deepreef.org)



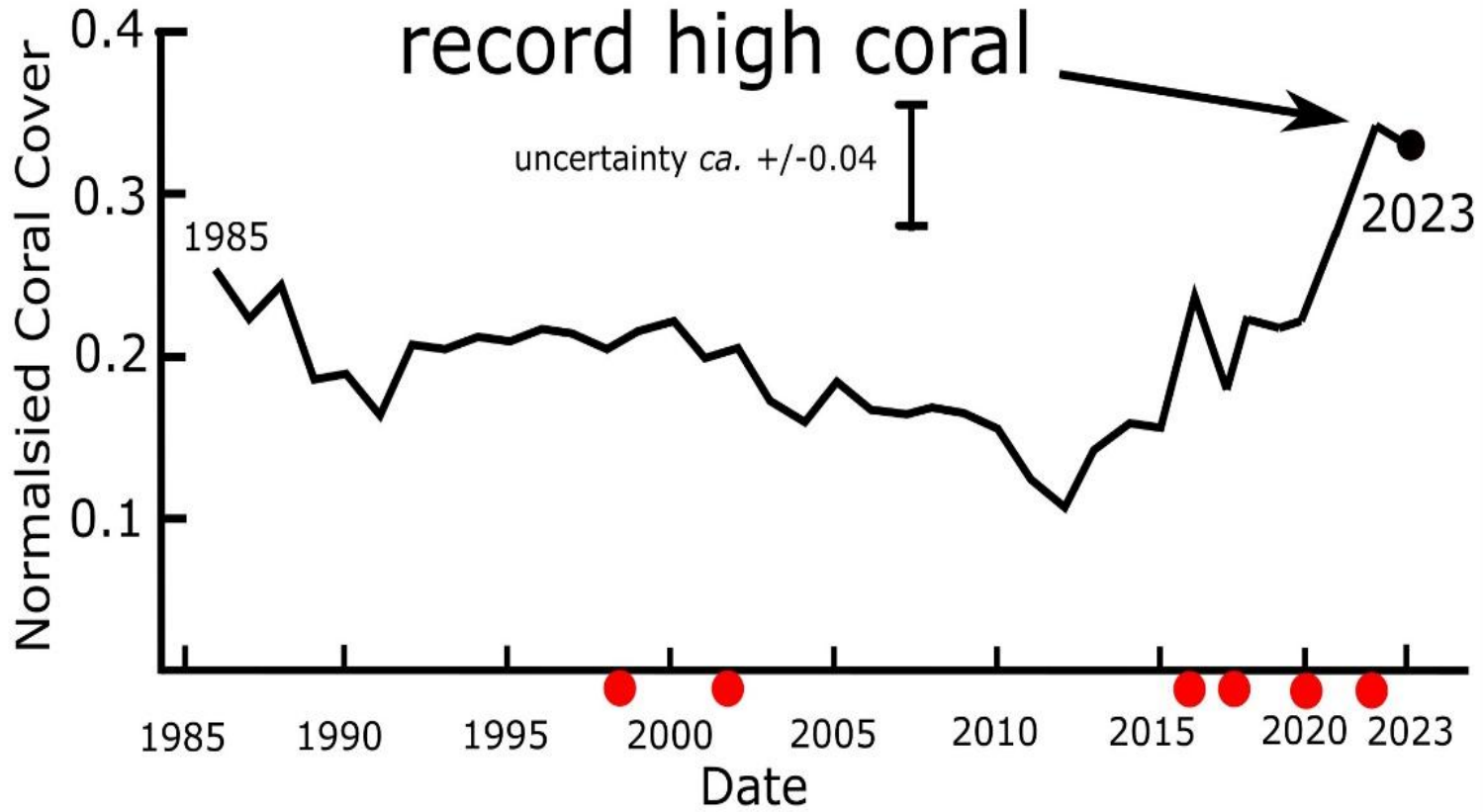


White coral sand and coral bommies

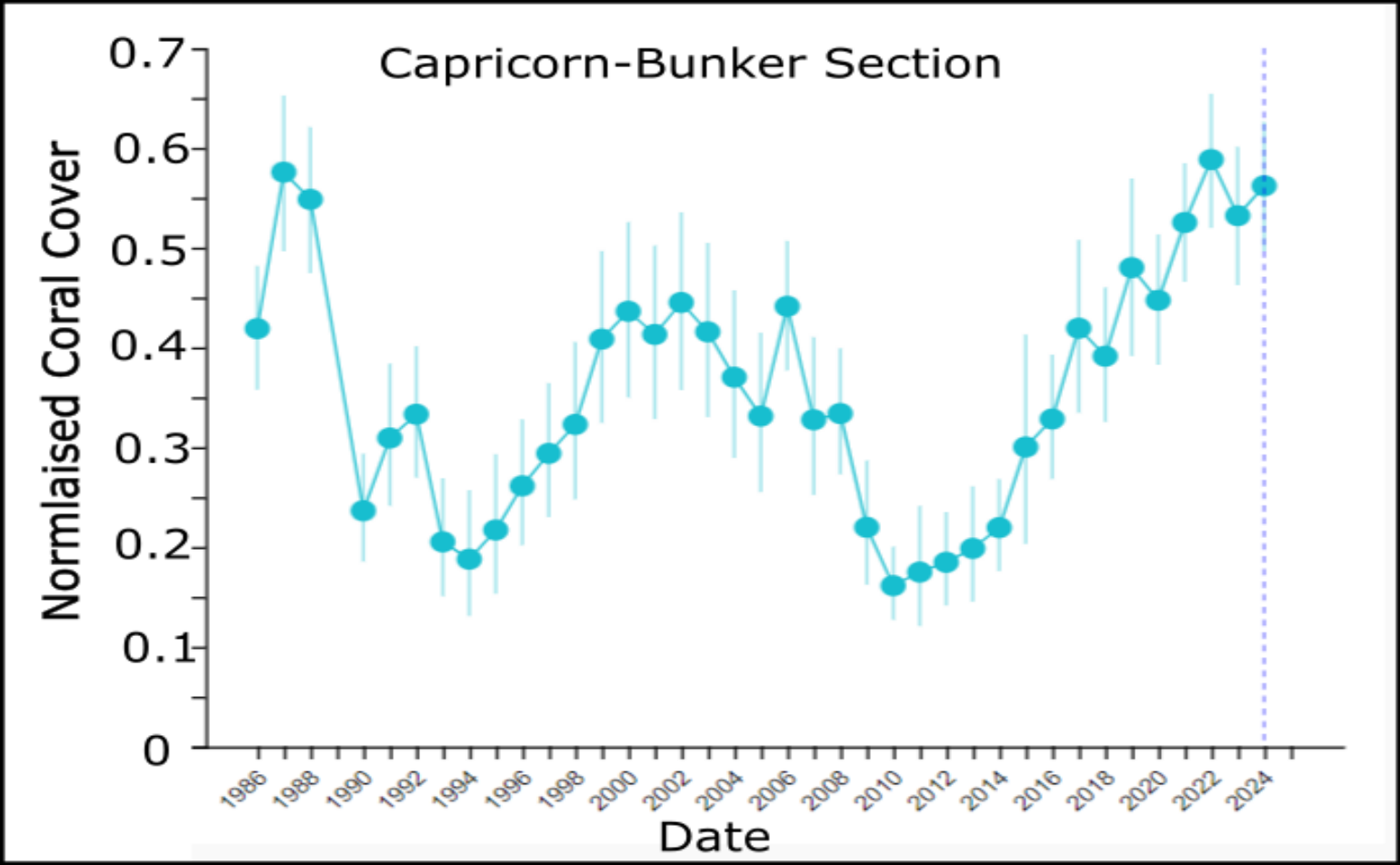
Reef Flat

Reef Flat

Reef Front. Lots of excellent coral.

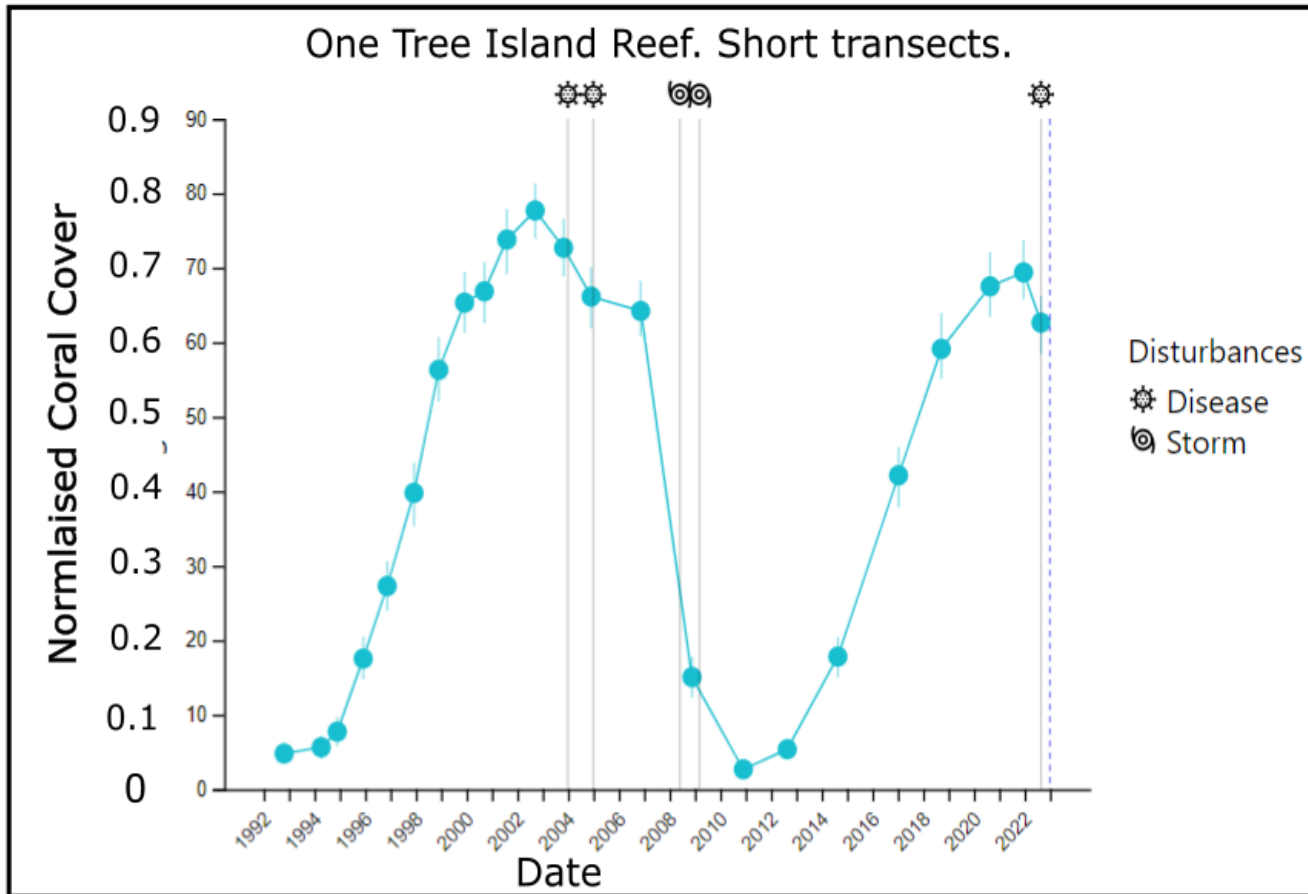


● represents years when mass bleaching was reported

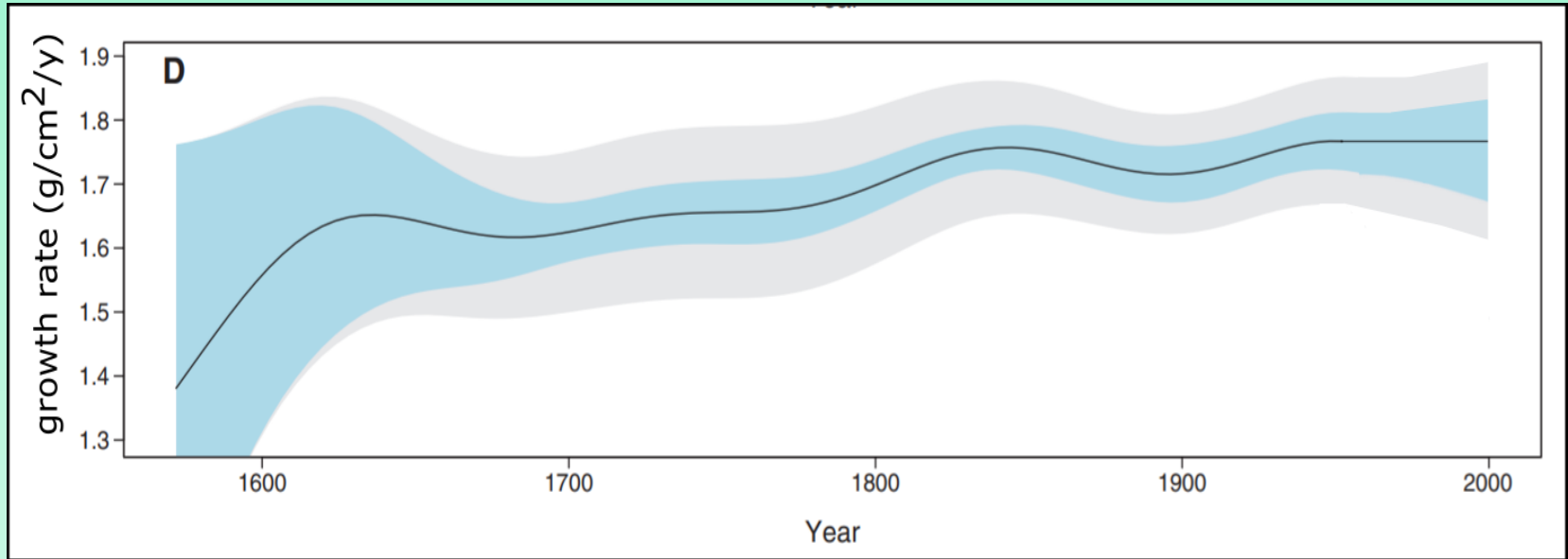




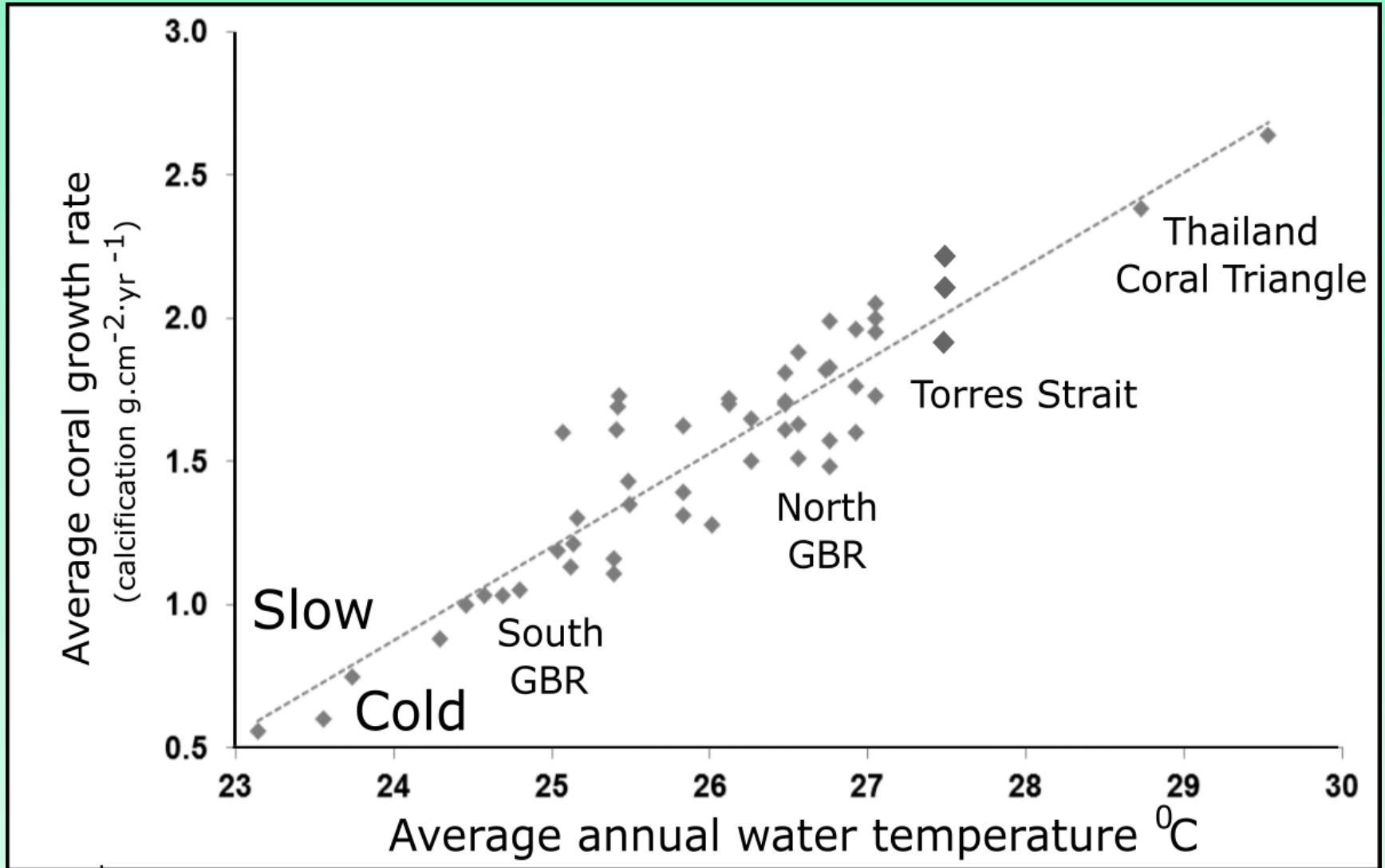
One Tree Island Reef. Short transects.



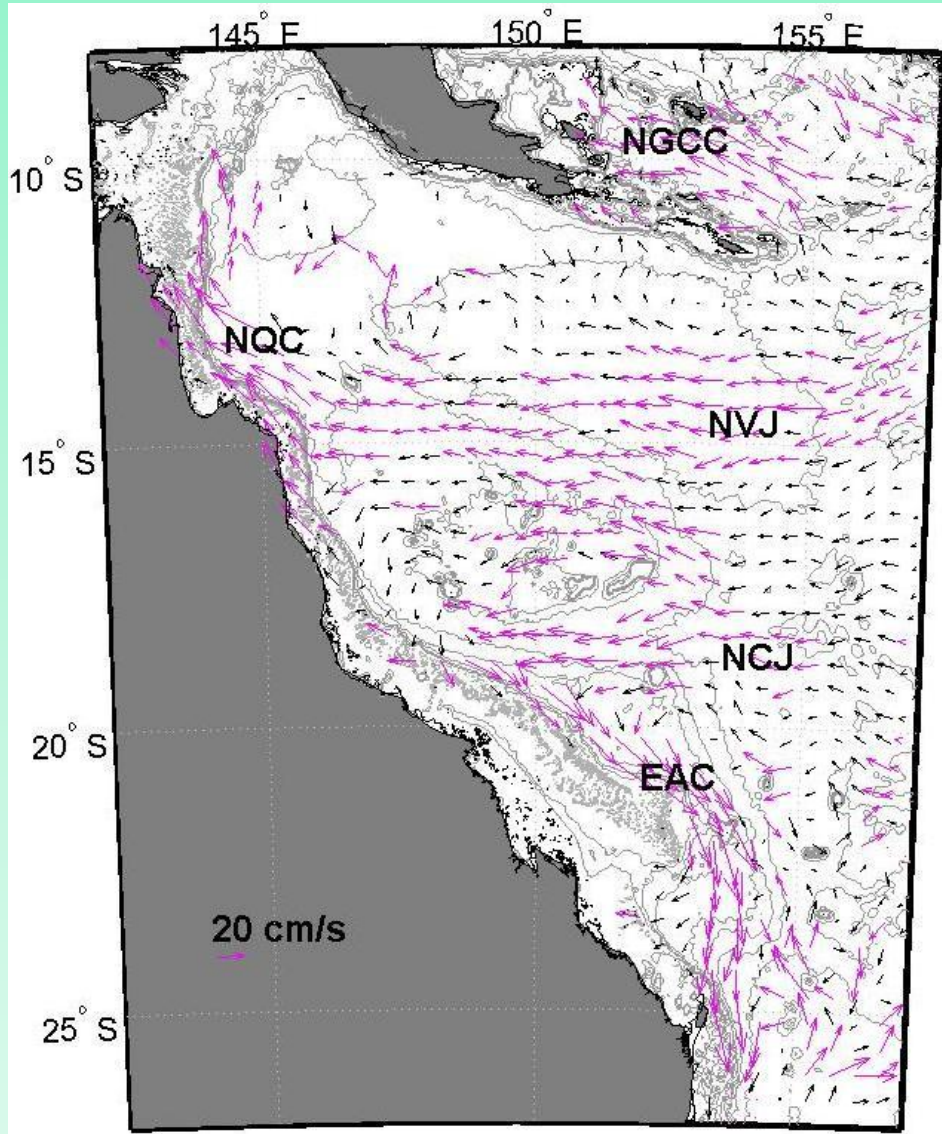
# Coral Growth rates have not slowed



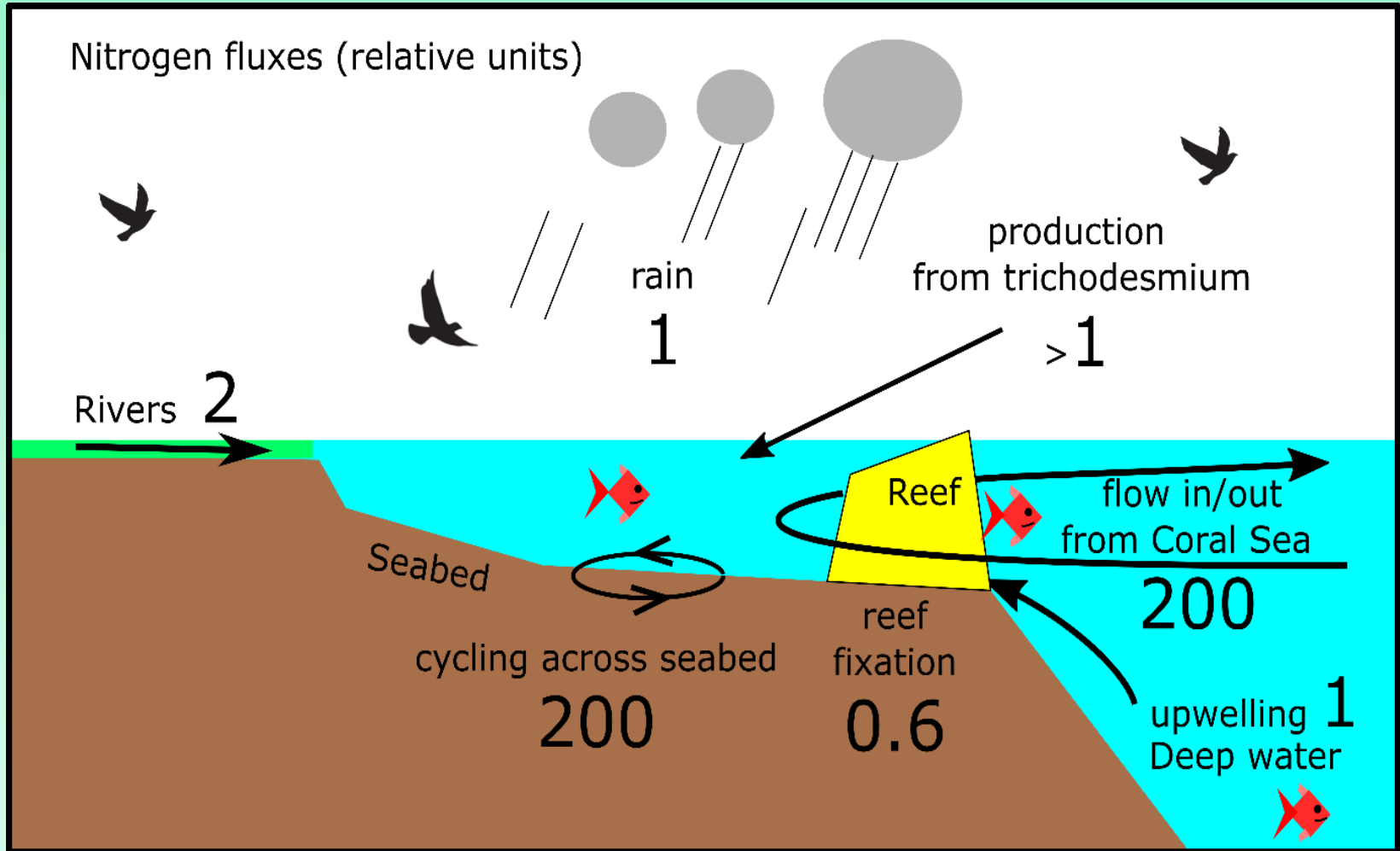
# Corals like it HOT



**GBR is well flushed by ocean current so relatively unsusceptible to pollution**



# Farmers contribute a drop in a bucket to nutrients



# Where is all the mud that is killing the GBR?

