

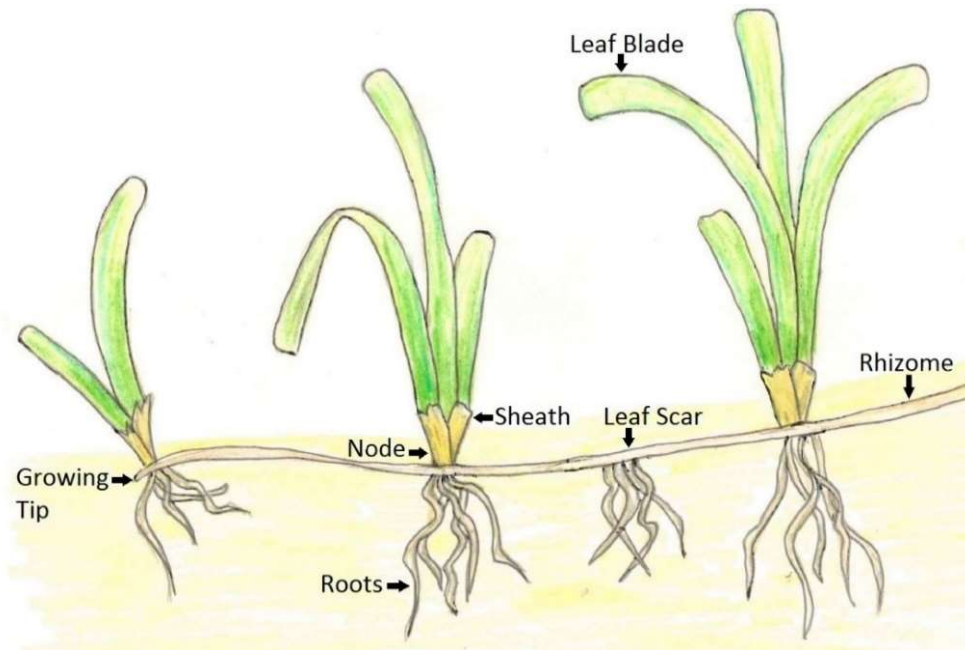


# Nature-Based Solutions

#SaveOurSeagrass

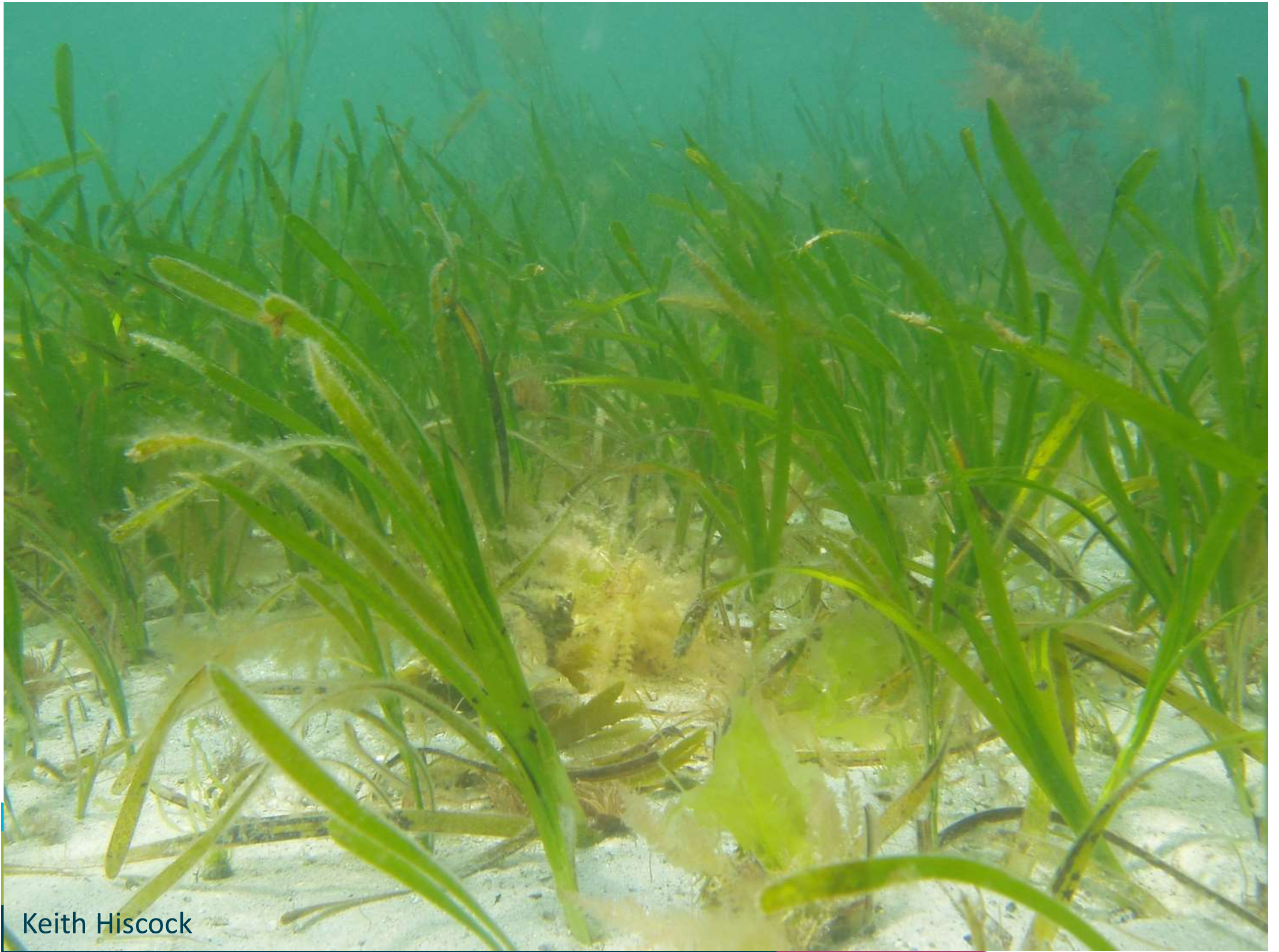
Dr Tracey Hamston

# Seagrass



From CSI 2017

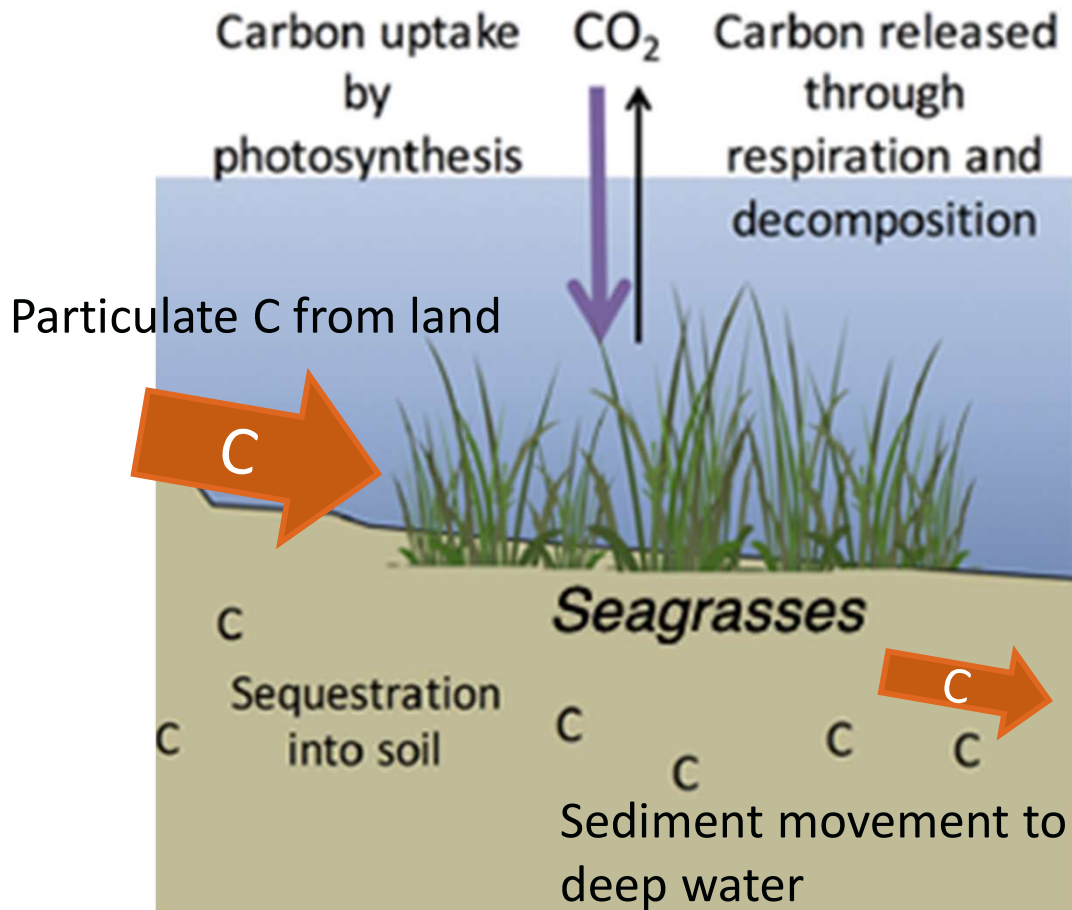
- Diverse habitat
- Nursery ground for juvenile fish
- Reduced coastal erosion
- Improves water quality
- Large capacity to sequester carbon



Keith Hiscock

# BLUE CARBON

## Seagrass carbon sequestration



Adapted from Howard *et al* 2017

- Sequesters around 2% of our emissions /year
- Seagrass can sequester Carbon for centuries
- Local seagrass – 120 tonnes of Carbon per ha

# Seagrass losses

Poor water quality from nutrient enrichment

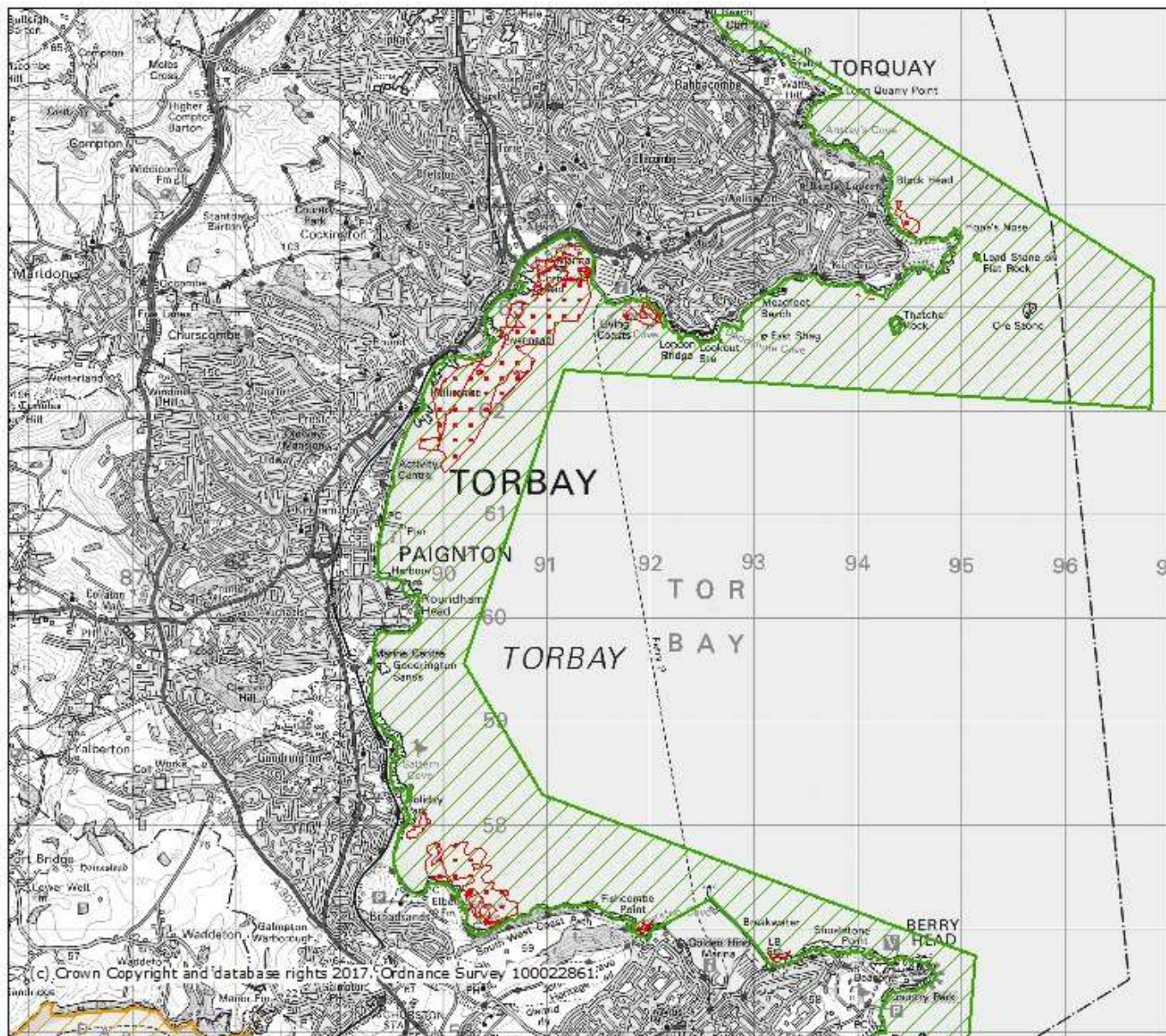
Damage from fishing, anchoring & swing moorings

Increased recreational pressure

Invasive species & disease



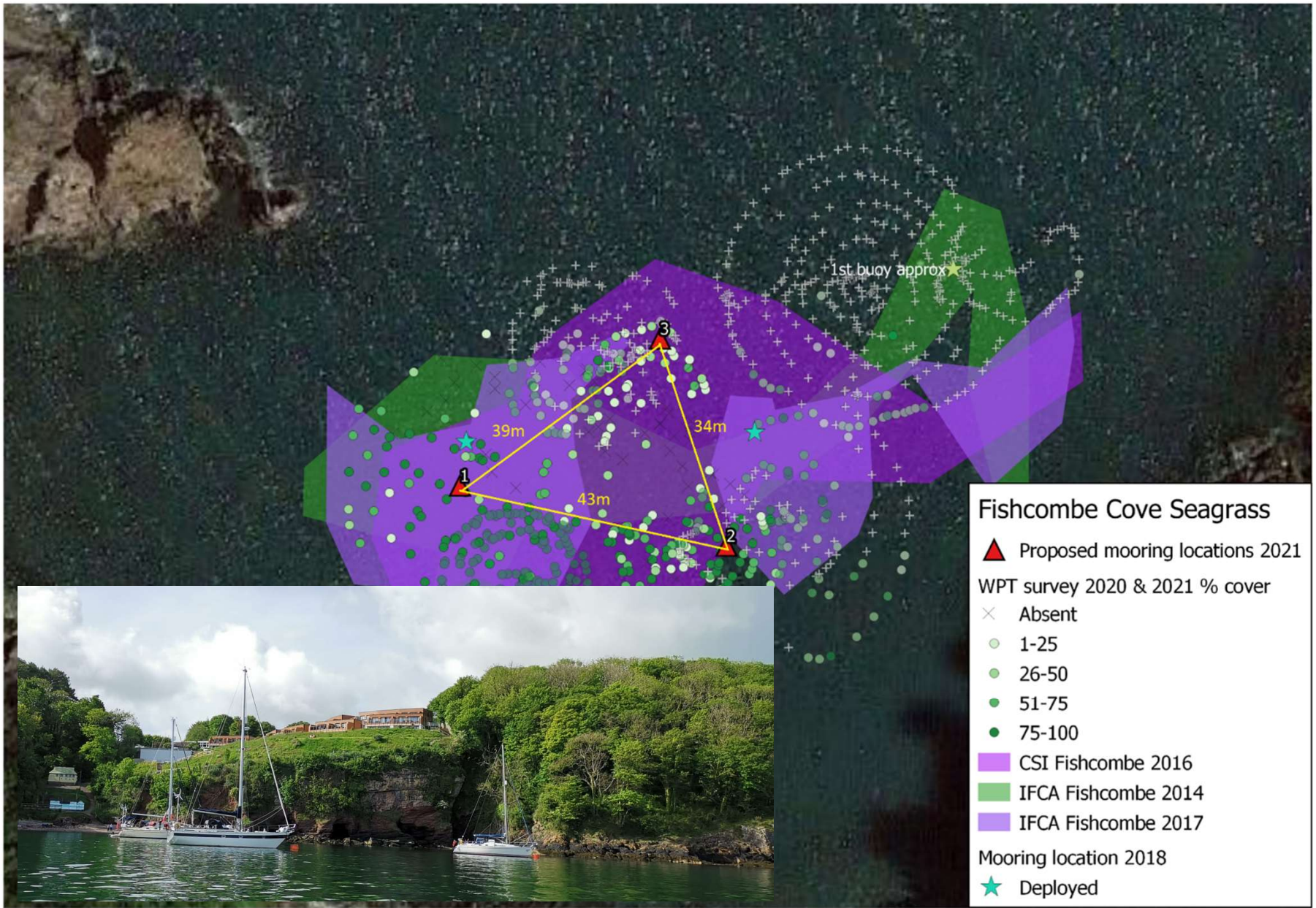
96% of UK SG lost in last 200 years (39% in last 40)



## Torbay Marine Conservation Zone.

### Seagrass beds – a designated feature











Broad-nosed pipefish (*Syngnathus typhle*) by Tamsyn Mann