

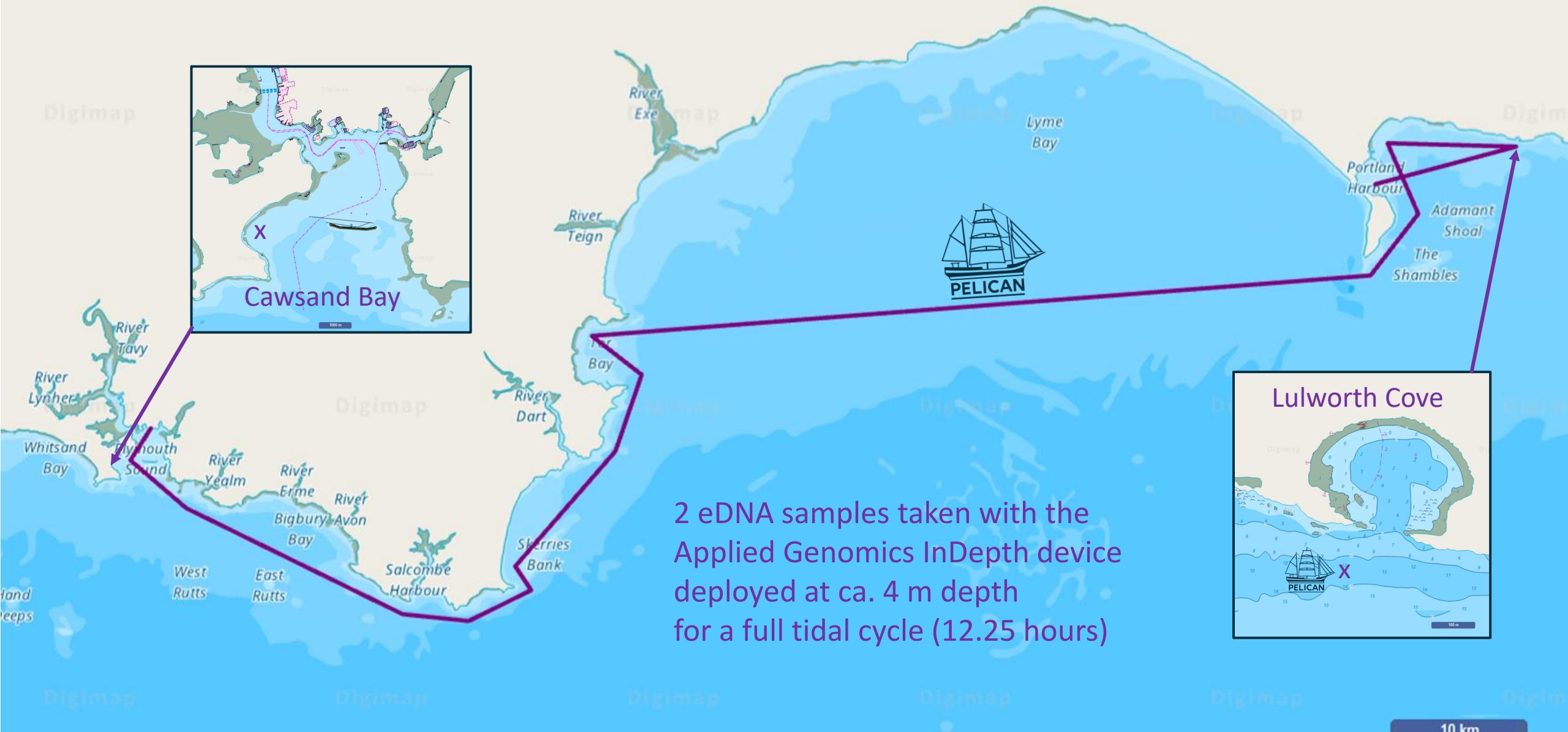


# Plymouth Ocean Science Voyage eDNA



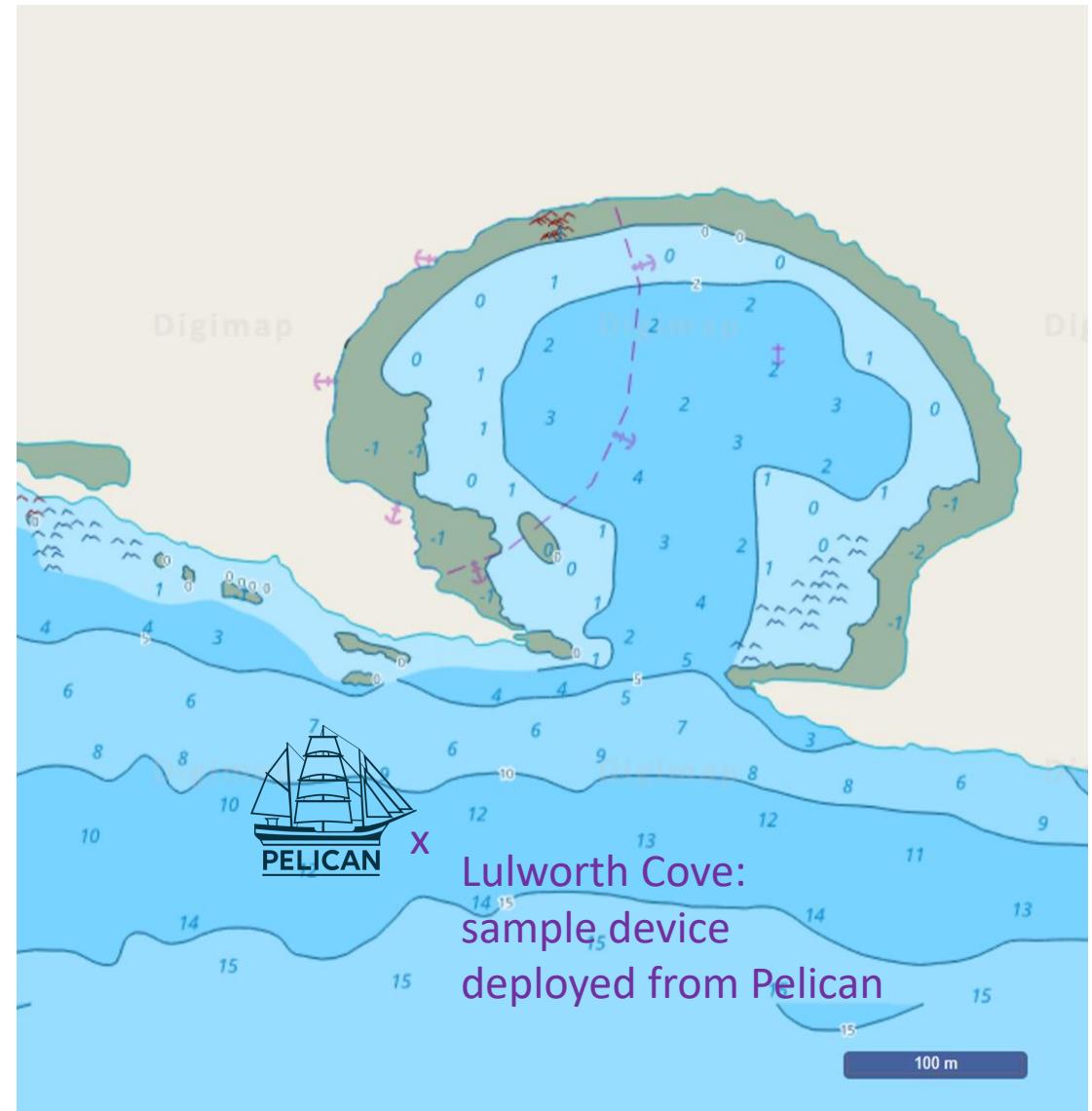
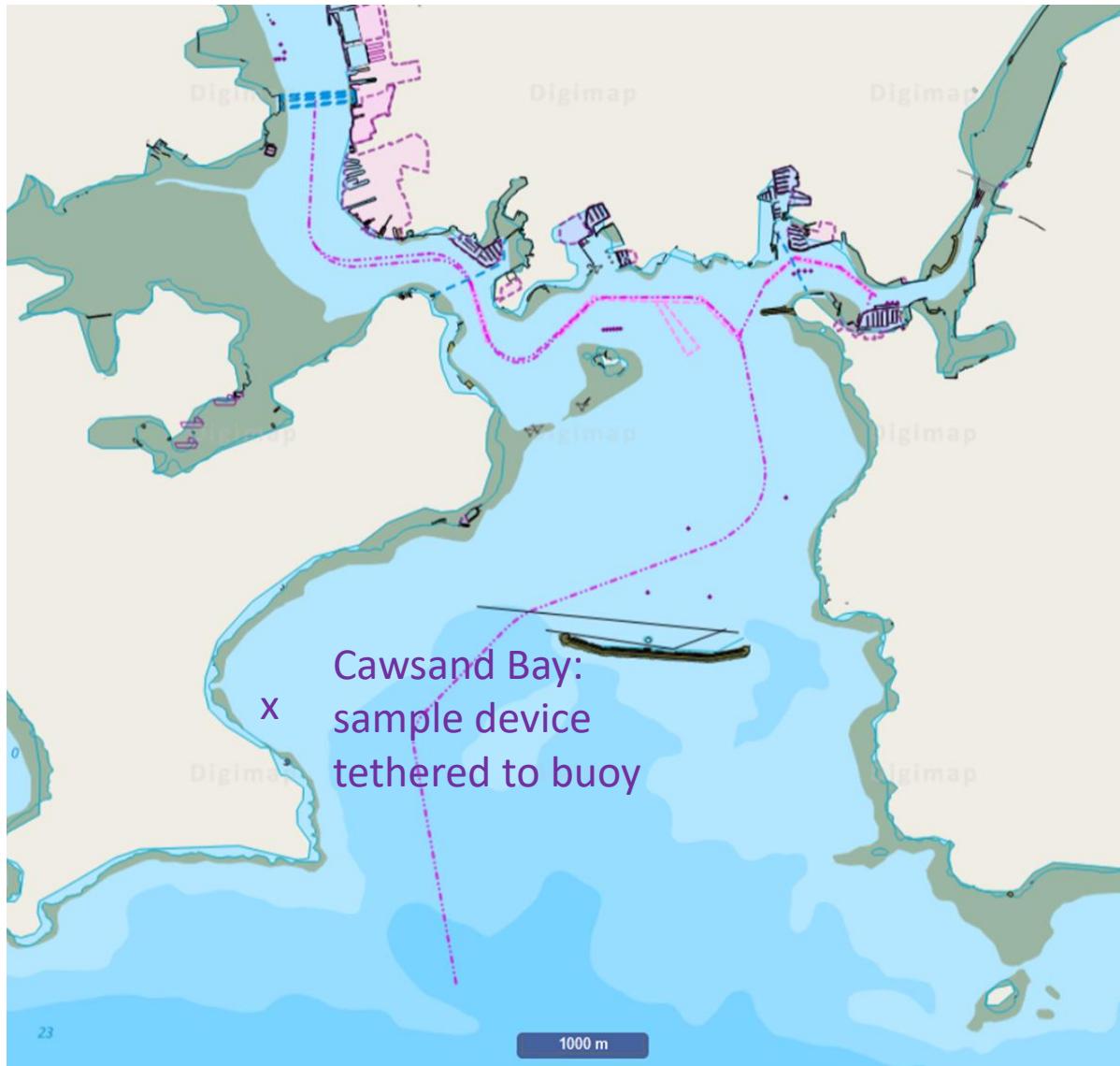
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**Head of Science Seas Your Future**  
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<https://www.pelicanoflondon.org/>

# Plymouth Ocean Science Voyage 2025



10 km

# eDNA samples September 2025



# inDepth eDNA sampler by Applied Genomics

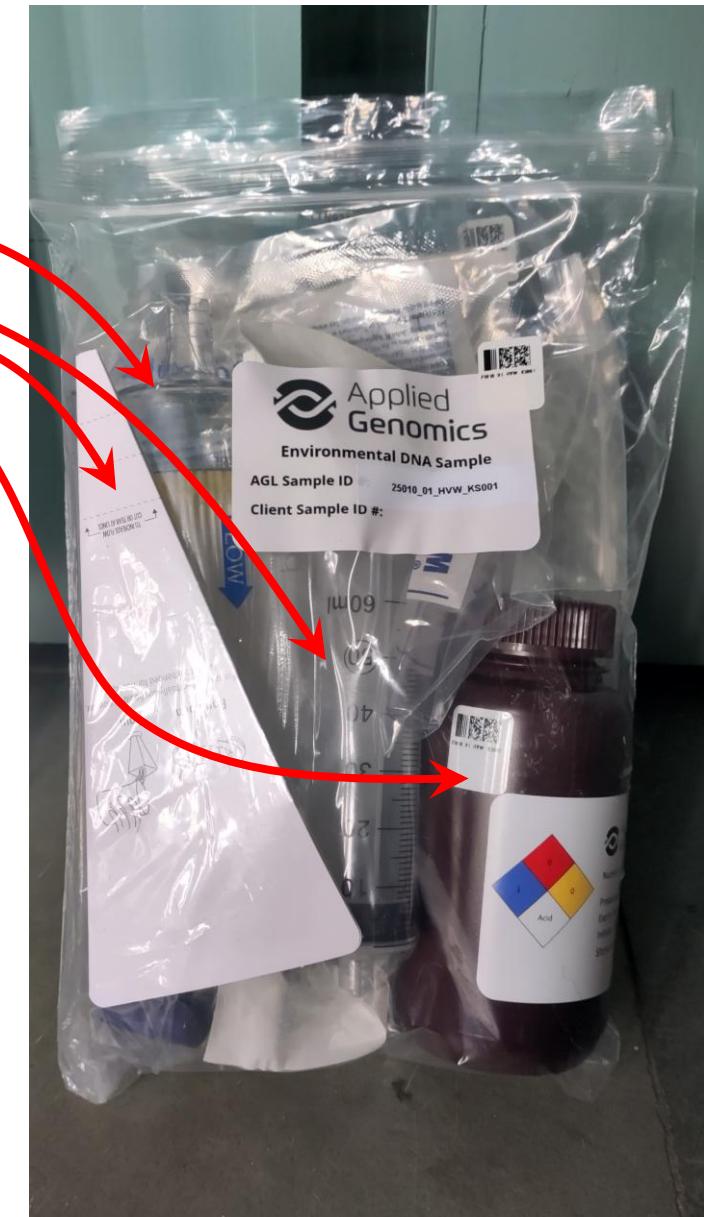
InDepth sampler, pre-programmed to sample for 12.25 h

Sample kit, including filter cartridge,

syringe,

DNA preservative and funnel  
and instructions

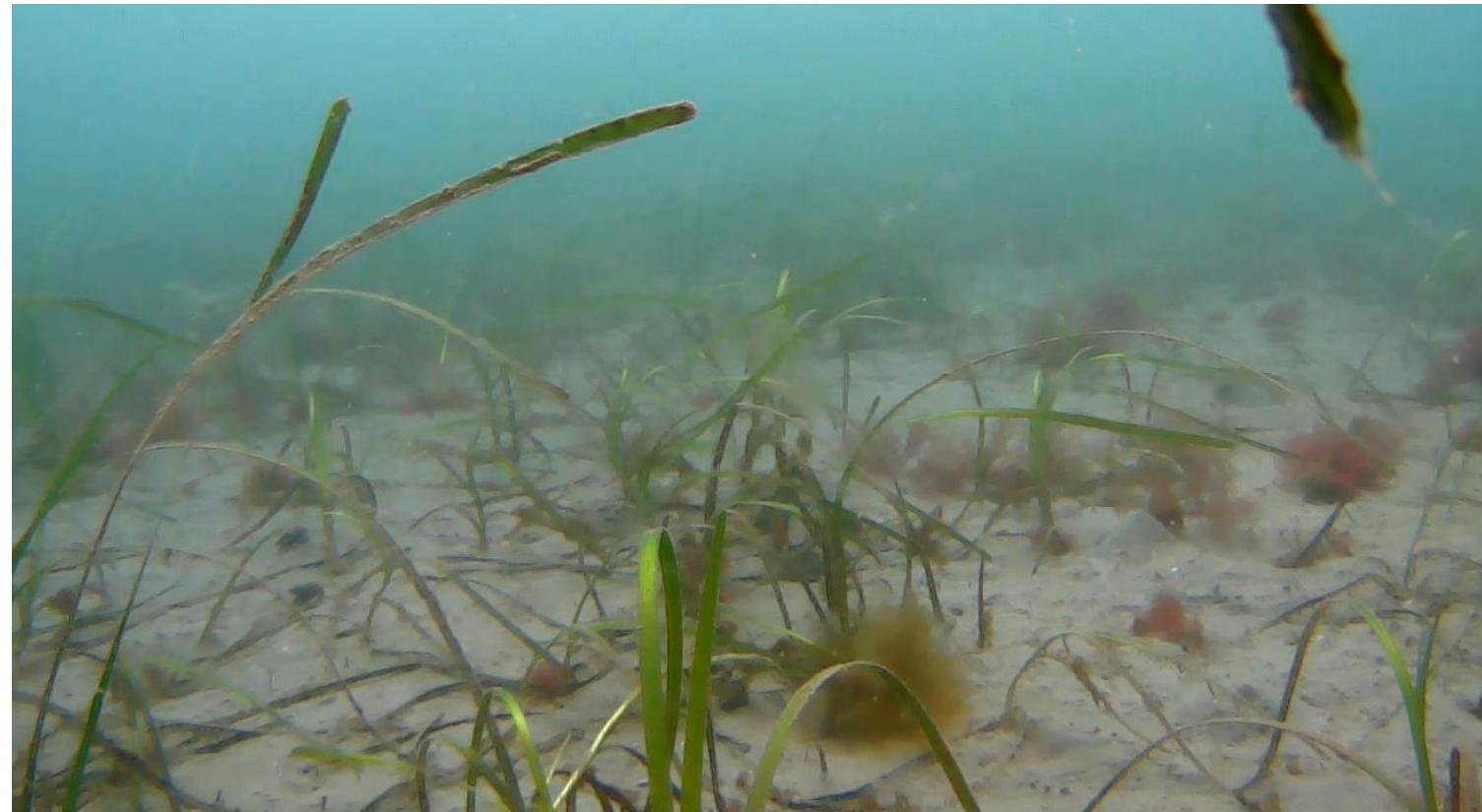
Harness, for deployment





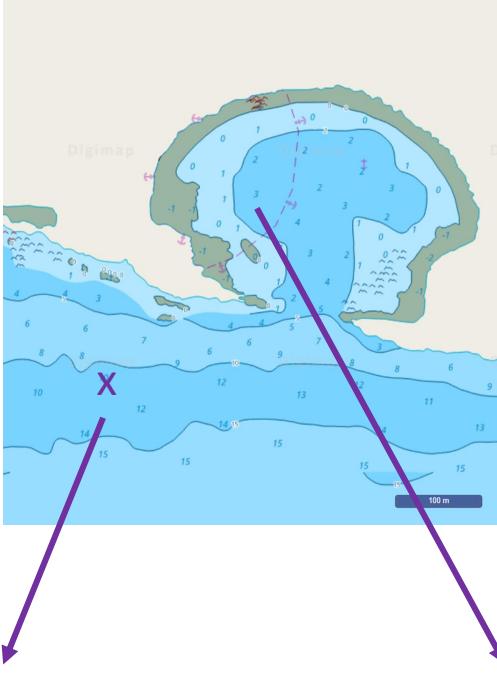
## Cawsand Bay - Shelly's view

Recovering seagrass meadow on sandy substrate  
with some algal and invertebrate diversity.  
Only very few and small fish spotted with ROV



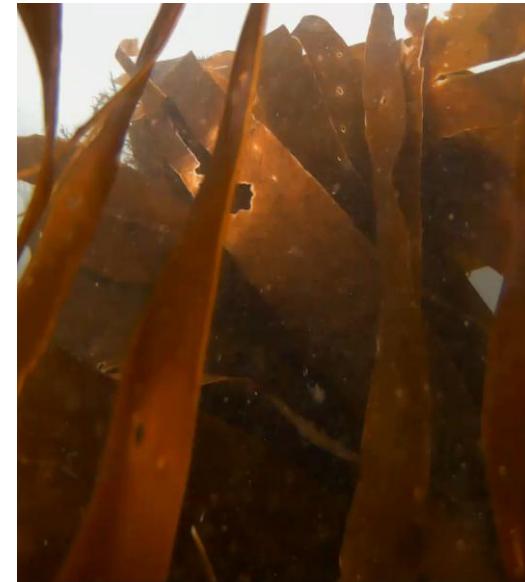
# Off Lullworth Cove

Barren, sandy substrate characterised by wave-formed ripples and little life (~12 m depth)



# In Lullworth Cove

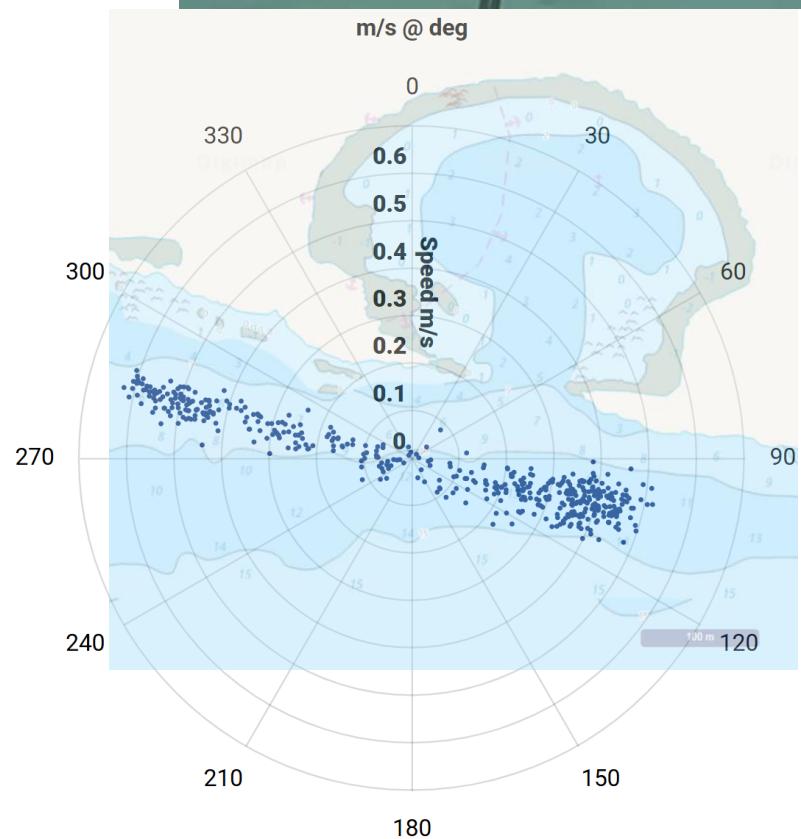
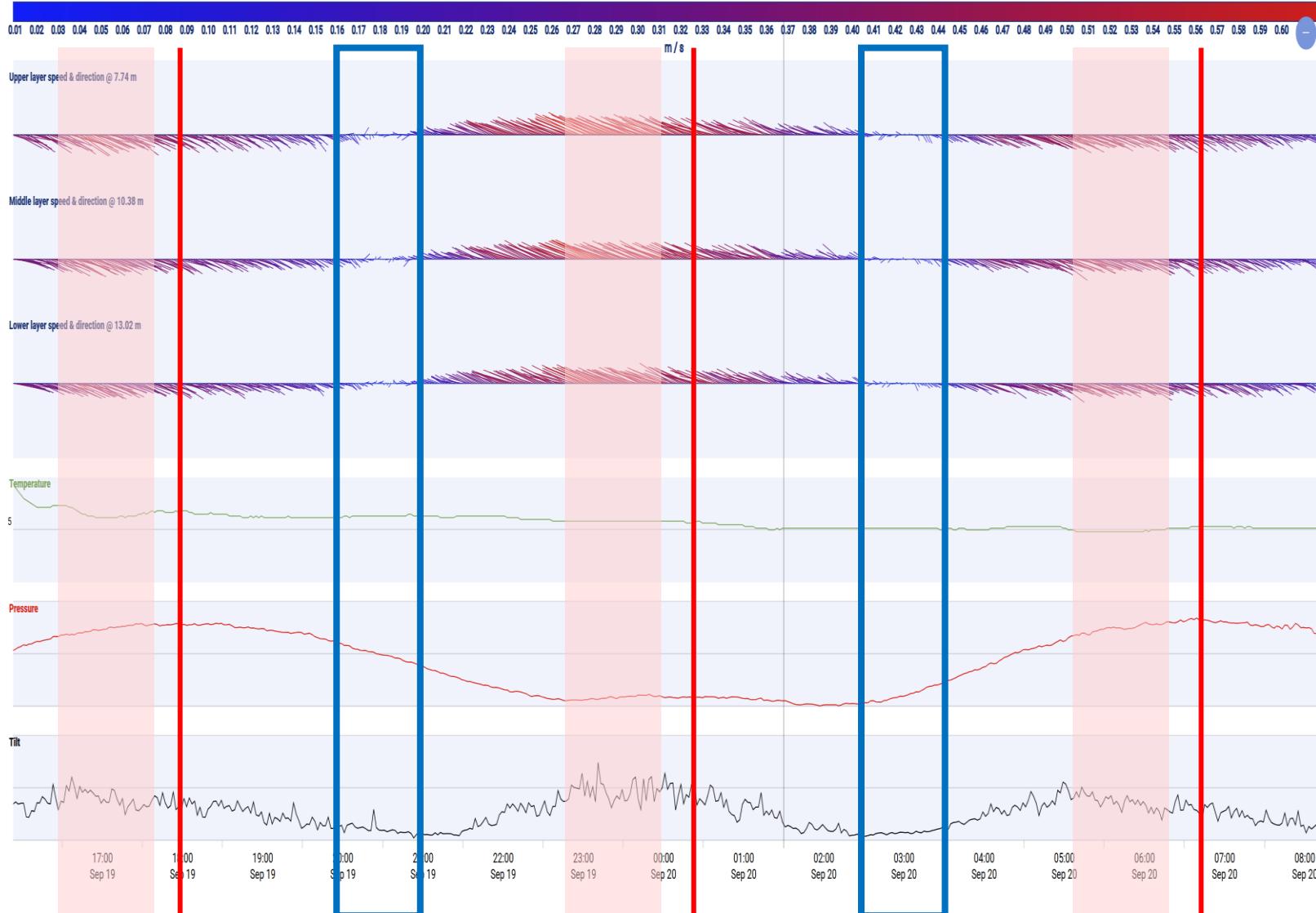
Substrate is coarse sand and boulders, characterised by dense, diverse seaweeds and some fish (1-2.5 m depth)



# Off Lulworth Cove - Bob's view

Asymmetric, unusual and turbulent tide that follows shoreline:

highest velocity ahead of slack water & turn of tide during falling or rising limb





## eDNA results are available

<https://challenginghabitat.com/projects/#eDNA>



a wrasse, probably a rock cook (*Centrolabrus exoletus*) in a kelp forest off Plymouth Sound