

# MARINE Project

Ocean Literacy Actions 2019 - 2020

# @MARINEProject1

- \* The @MARINEProject1 is a science in the community project which engages with Fingal county council / schools / DCU student teachers / local media and involves the biological and physico-chemical monitoring of the feed-waters to the estuaries of Fingal (currently Turvey-Rogerstown between Portrane and Rush)
- \* Engagement with FCC has led to multiple beach cleans, river cleans, L-road bridge repairs, sharing of data on feed-waters and soon to contact EPA on designating quality on undesignated riverlets – unfortunately as ‘poor’.
- \* Scope for becoming citizen science project and soon to expand to the Broadmeadow estuary (between Malahide and Portrane).

# Feed-water sampling (on-going)



Water samples from Palmerstown 010 sub-catchment at Rathartan Bridge (samples > 0.2mg/l phosphate) – bridge reported to FCC and now repaired. Water quality results forwarded to LAWP

# Biota community structure in estuary

Mussel cluster community



Crustacean, annelid and mollusc communities essential to bird life which provides SPA/SAC/Natura 2000 designation



On-going beach cleaning – eroding land ‘reclamation)

Student primary teachers learning about the sea at sea! (Rockabill)



On-going interaction with schools and local groups



Design of media for teaching and learning