Tasks at Each sample site:
Shoot count in Quadrant
Photograph Quadrat
Measure Leaf Length – 10 leaves per quadrat
Sediment Cover over roots – stick measure into sediment (ruler, feeling root resistance).
Note conspicuous marine life present

Sample Sites – (i)0.5m, (ii)5m, (iii)9m (outside length of mooring chain)

Transect Bearings - NE, SE, SW, NW

Survey Dates.

Deploy Mooring  09.08.16
1st Survey  10.08.16 Stirling Mooring and Control
Winter 16 / 17 Damage to Buoys
2nd Survey 12.04.17 Stirling Mooring
Repairs 01.06.17
3rd Survey 17.11.17 Mooring and Control
4th Survey 19.06.18 Stirling Mooring
There has been a 22 month monitoring period over that time:

- Control data & 9m over the 22 month period there has been a decline in both shoot counts and leaf lengths
  - Leaf length expected due to season change but shoot count should stay stable?

- Initial mooring while riser was polyprop rope was still having an effect around the benthic community.
- Failure of the attachment rope for buoys had a catastrophic effect on 0.5 & 5.0m – to be expected.
- 4mm steal rope is a secure fix how ever there is some Galvanic corrosion (bimetallic corrosion).
- Shoot count – after point of failure
  - @ 5m within 5 months shoot count shows recovery from damage.
  - @ 5m within 12 months shoot count shows total recovery.
  - @ 0.5m within 12 months shoot count is in line with control. Seedling recruitment.
  - Positive feedback mechanism? Rhizomes intact(?) no change in sediment depth.

- Shoot length
  - @ 5m within 5 months mean length is same as control site.
  - @ 5m within 12 months same length as install date – total recovery from failure : )
  - @ 0.5m shoot length smaller than control – new shoot recruitment : )

- Alteration made to the riser show relief of damage near block @ 0.5m
- Stirling mooring works but more work needs to take place
NMA and MCS formed partnership in preparation for LIFE - Recreation ReMEDIES: Reducing and Mitigating Erosion and Disturbance Impacts affecting the Seabed. TECF partner. 12 month partnership 2 more years into LIFE project.

- Princess Yachts – Sponsor.
- 5 moorings per year.
  - Permission to replace Gig administered moorings with Stirling Moorings.
    - Helix screw
    - Stirling Riser
- Outreach work in Scillies Plymouth and Solent.
- Seasearch Divers.
• Thanks for listening any Questions?