The need for advanced mooring systems in the protection of seagrass beds ...
Figure 3.
*Labyrinthula zosterae* A) cells, and B) lesions on a *Zostera marina* shoot.
Wild flower meadows ...

Seagrass beds of the Yealm Estuary

Recording marine life

Seagrasses can grow from a single seed, but usually normally form by the spread of roots and rhizomes – much like the couch grass found in many gardens.

As low spring tides expose seagrass beds look long and shallow. But as the tide returns and the leaves float on, an underwater jungle can be revealed. As well as providing vital food and shelter, this jungle is a spawning and nursery area for many other species; none of them, e.g., bass and bream, can be commercially important too.

Further information

For more information about seagrasses in the Salcombe Kingsbridge estuary or about conserving our marine resources, please contact:
The South Devon ADNB Estuaries Officer

Fullarton House
Plymstock Road
Torbay
TQ9 8AE

www.SouthDevonADNB.org.uk

Salcombe’s Seagrass Jungles!

Taking our part

Find out about these wonderful coastal jungles and how we can all protect and enjoy them. Includes special information for boat users.
Standard Mooring Configuration

- Spring chain – length & weight
- Footprint – block & chain
- Scour – wind, tide & waves
- Habitat & community change
- Seasonal maintenance
- Local quirks
Impact is cumulative, just 35 deep water moorings scour an area of ca. one football pitch

http://bingwalls.blogspot.co.uk/2010/11/may-15-2010.html
Management guide for marine protected areas of the Mediterranean sea

Permanent ecological moorings

Still available @ www.bit.ly/2yf6jGz
Sealite Synthetic Mooring Solutions

Synthetic mooring solution

Sea bed and sea grasses conserved
Salcombe Harbour EcoMooring

... ‘the Stirling mooring’
Eco Mooring Trial

Rough configuration being tested by Babcock for the holding capacity
A 7m bottom spring chain may scour 154m²
A 3.5m chain 38m²
... 75% less
Remove or float the chain ... 1m² ... >99% less
Remove the block ... 0.01m² ... 99.99% less?
Running moorings
Pontoons held in place by piles (finite footprint) – can offer other eco-facilities such as waste management reception – some customers prefer – issue of seabed shading not investigated
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