Coastal Monitoring in the South West

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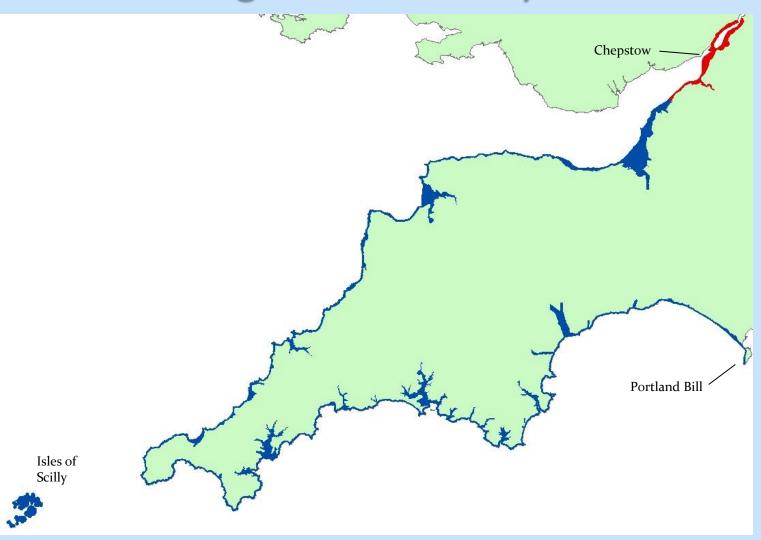


South West Regional Coastal Monitoring Programme

- Plymouth Coastal Observatory
 - Plymouth University
- South West Partners
 - SW Local Authorities
 - Environment Agency (South West Region)



Programme Survey Area





Data Collection

Topographic Surveys

Aerial Photography

Bathymetric Surveys

• LiDAR Surveys

Hydrodynamic Surveys

Ecological Mapping





Why are we doing this?

- 18 Local Authorities with coast protection interests
- Various coastal defence schemes underway in the South West
- Monitoring required for each scheme data rarely archived
- Tourism spending in South West is over £9,000m annually



Plans, Strategies and Studies

- Flood Risk Management
 Schemes
- Managed Realignment Projects
- Beach Management
 Schemes



Minehead



Continuous Topographic Survey







Beach Profile Topographic Survey



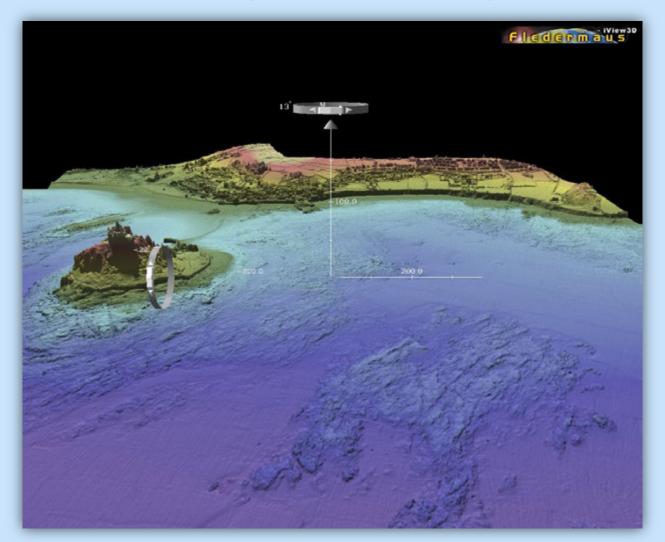


Aerial Photography



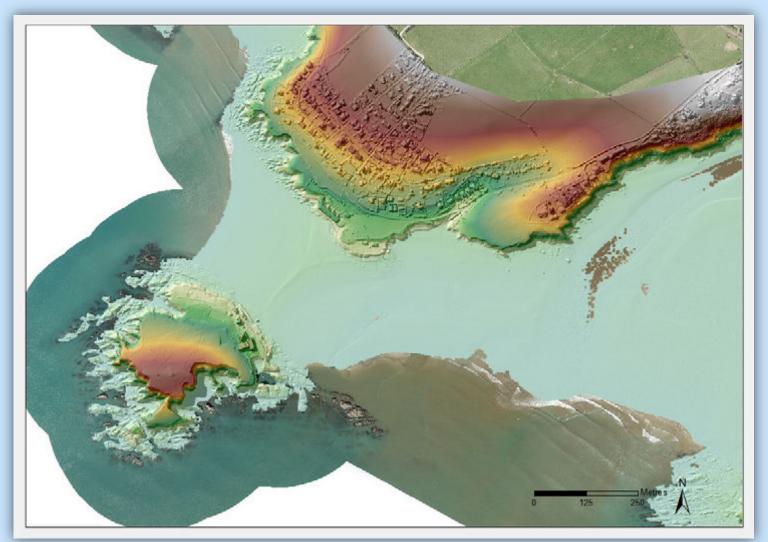


Bathymetric Surveys



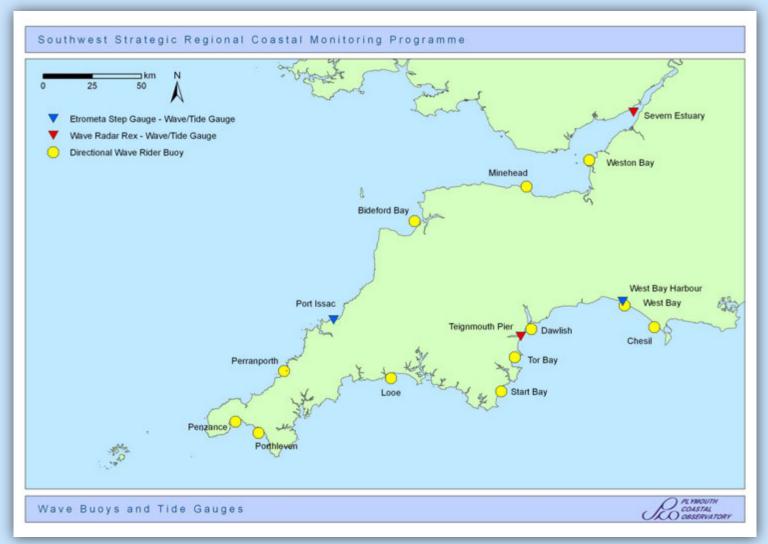


LiDAR Data





Hydrodynamic Data (Waves and Tides)





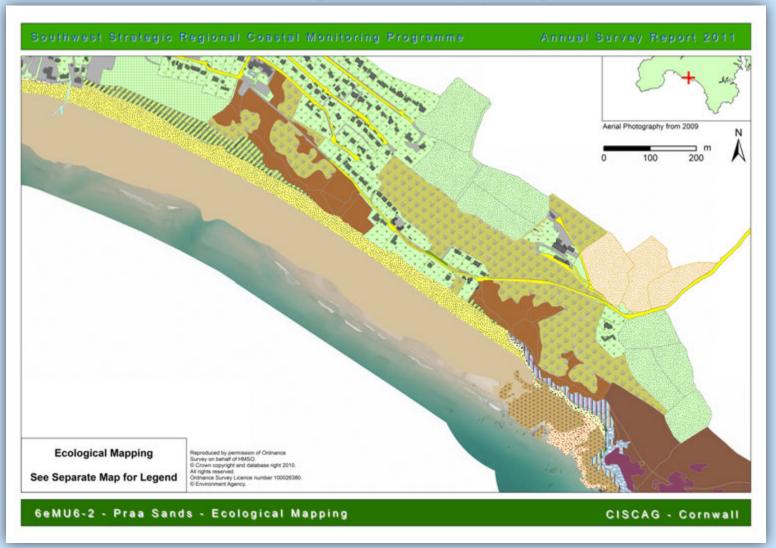
Hydrodynamic Data (Waves and Tides)



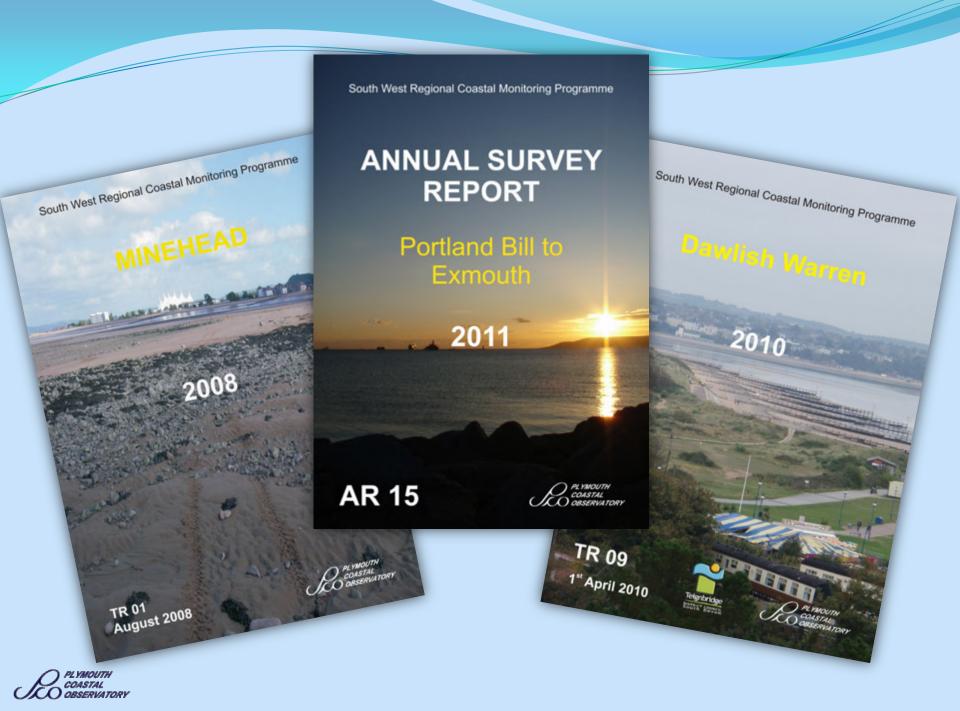




Ecological Mapping







Website





Website





www.channelcoast.org/southwest

