



Seascape Values Mapping: Using WebGIS to facilitate public participation within marine planning

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Public Participation and Marine Planning



- Marine and Coastal Access Act 2009
 - Marine Policy Statement
 - Statement of Public Participation

Sense of Place and Marine Planning



The use of the bonds and values as a connection to place supports at least one goal of marine planning, which is to identify opportunities that are consistent with multiple criteria, an important one being consistency with human values and preferences.

Aims



Operational bridge to connect places and locations with the underlying perceptions and place-based values attached to the marine and coastal environment.

Study design



- Employ photo method to elicit understanding of individual and collective sources of residents' attachment to place
- Create a website of the study to community members and planners, with the ability to attach photos and descriptions-a PPGIS

Photo elicitation



Photos make general place sentiments more concrete: help generate and focus discussion

Photos integrate across several important levels / categories:

biophysical and socio-cultural landscapes
specific versus generic (symbolic) places
different modes of interaction (solo or social,
backdrop or foreground)

Results



Seascape value	description
Aesthetic	Based on the scenic quality. Derived from factors such as the changing light and tidal variations.
Recreation	Derived both from the provision of areas for recreational activities but also the enjoyment of enjoying these by proxy.
Heritage	Derived from the arts and fisheries heritage in the area.
Biographical	Places valued because of a personal history, derived from childhood holidays etc.
Open horizon	The value derived from being present in an open horizon.
Subsistence	The area provides necessary food and materials to sustain people's lives.
Therapeutic	I value these areas because they make people feel better, physically and/or mentally.
Culture	Derived from the close link between the arts and the local marine and coastal environment.
Community	The sea is part of the fabric that provide the area with its sense of place and community.
Biodiversity	Biological value of the area and its nature.
Economic	I value these areas because they provide economic opportunities such as fisheries, tourism or processing.

Results



Open horizon



Recreation

Results



Biographical

“...my mum, me and my brother and just go out for a row. We’d walk down through the dunes and he’d meet us. It always felt like such an adventure to just... You know... get picked up on my dad’s old row boat”.



Aesthetic

Results



“...is prime real estate but maintained as a point for the fishing community to gather and share memories and experiences...I just think its so special to have that and such a good reflection on the community of St Ives that they are retained...and the reflection of the beach in the window really reflects those glimpses you get from living near the sea..”

Future/Current work



Comparison of sites with wind farms and proposed wind farms.

A web application that will facilitate the incorporation of social values associated with the marine environment.

Using photo-narratives, participatory mapping and preference ranking, to provide layers of the social seascape within a GIS based management framework.

Web GIS



Marine Values Mapping - Windows Internet Explorer

http://www.marinevaluesmapping.com/yr/map_pen_2.html

File Edit View Favorites Tools Help

Marine Values Mapping

Home Login Project Information Instructions Case study area Feedback

Drag points onto the map.

- A Aesthetic/Scenic
- E Economic
- R Recreation
- F Foraging/fishing
- L Light
- S Learning/Scientific
- Sp Spiritual
- In Intrinsic/Existence
- H Historic
- T Therapeutic/Health
- O Open horizon
- Special Places

Done Mapping

Layers Terrain

A topographic map of a coastal region, likely in Cornwall, UK. The map shows the coastline, inland roads, and various colored points representing different marine values. Labels on the map include "St Ives", "The Towans", "Hayle", "Looe", "Tolvaddon Downs", "Camborne", "Red", "A30", "A3047", "B3301", "B3303", and "B3306". The map is displayed in a web browser window with a navigation toolbar on the right and a legend on the left.



Thank you