



Coastal Communities 2150

Kent's Changing Coast - a stakeholder's contribution

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(Thanet Coast)*

www.thanetcoast.org.uk

In partnership with



CC2150 Final Conference
12 February 2014



- CC2150 in Kent
- Stakeholder: N.E. Kent Marine Protected Area (NEKMPA) and the Thanet Coast Project
- Getting involved: the partnership work in action Margate and Cliftonville



Building an Evidence Base



Background Data

- Joseph Rowntree reports
- DEFRA reports on climate change effects
- NHS and WHO reports on health vulnerabilities
- EA Maps reports on coastal change
- UKCIP Reports...

Local Data

Climate Change Effect	Projected Changes							
	2050s				2080s			
	Likely		Highly Unlikely		Likely		Highly Unlikely	
	M	H	M	H	M	H	M	H
Change in Sea Level (m)	.2	.3	.4	.5	.6	.8	1	1.2
Change in Annual Temperature (°C)	2.46	2.74	3.57	3.93	3.44	4.28	4.99	6.09
Change in Warmest Day Summer (°C)	1.91	2.26	5.95	6.91	2.49	3.29	7.97	9.88
Change in Wettest Winter Day (%)	11.63	10.27						
Change in Summer Precipitation (%)	-18.41	-18.84						
Change in Winter Precipitation (%)	13.28	13.60						

Site Visits



Stakeholder Data



Risk Assessment—Physical

Official Designations



Flood Risk



Retrofit/Renewable Energy Potential



Coastal Defences



Risk Assessment—Community

Vulnerability

Level of vulnerability	Vulnerability				
	Older People	Young Children	Low Income	Health Problems	Isolated
Low	Low	Low	Low	Low	Low
Medium	Medium	Medium	Medium	Medium	Medium
High	High	High	High	High	High

Employment

Employment	Unemployment	Unemployment Rate
100%	0%	0%
90%	10%	11%
80%	20%	25%
70%	30%	43%
60%	40%	67%
50%	50%	100%
40%	60%	150%
30%	70%	233%
20%	80%	400%
10%	90%	900%
0%	100%	1000%

Historic Sites



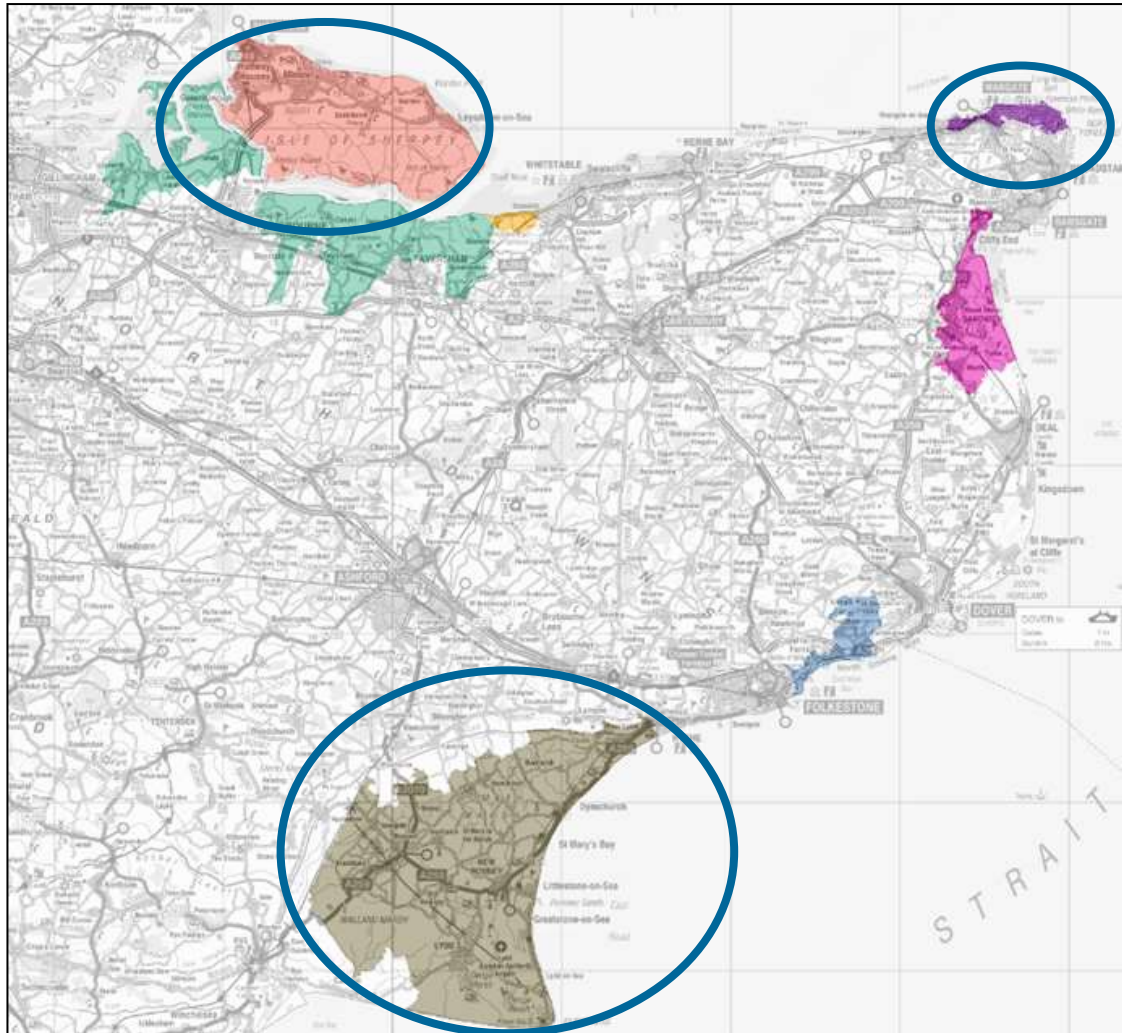
Index of Multiple Deprivation



Kent's Priority Communities



Isle of Sheppey



Margate/
Cliftonville

Romney Marsh



Climate Change Effects



**Warmer Annual
Temperatures**

**Warmer and
Drier Summers**

**Warmer and
Wetter Winters**

**Increased
Frequency of
Extreme Weather**

**Sea-Level Rise
and Oceanic
Changes**

Source: UKCP09

Potential Future Impacts



Risks

- Loss of Biodiversity
- Risk to Built Infrastructure
- Risk to Food Security
- Increased Frequency of Flooding
- Health Complications
- Increased Rates of Coastal Erosion
- Shrinking of Beaches
- Loss of Landscape Value

Opportunities

- Increased Tourism
- Increased Regen' Potential
- Agriculture Diversification
- Biodiversity Diversification
- Renewable Energy Resources
- Skills Development
- Economic Development
- Community Building
- On-going Funding Potential

Engagement Themes



- Greater need for emergency planning
- More tourist opportunities
- More water shortages in summer
- Changing Shape of the beaches and coast lines



CC2150 Engagement Principles



Sustainable Decisions

Respect Community Identity

Use a Sound Evidence Base

Openness and Transparency

Use Local Networks

Cost effectiveness





Engagement Methods

- Launch in June 2013 with leaflets, posters, website
- Postcards on display with businesses
- Stalls at community events such as: Leysdown Carnival, Sheppey Summer Carnival, South East Air Show, Margate Beach Blast, New Romney Country Fair, & Hythe Venetian Fete
- Drop-in sessions at local libraries and supermarkets
- Displays at Sheppey Gateway, Thanet Gateway, & Lydd Library
- Meetings with Thanet Coastal Wardens
- Work with Schools - Eastchurch & Garlinge Primary School
- Kent Coastal Week - with 70 events



Partnership work: Thanet Coast



Partnership work: Thanet Coast





NE Kent Marine Protected Area



- Chalk reef & sea caves
- Sand & mud flats
- Over-wintering birds

- *internationally important populations*



European Directives (Habitats /Birds)



- requires 'appropriate steps to be taken to **avoid deterioration of natural habitats & the habitats of species** ... **disturbance** of the species for which it has been designated'
- recommends a '**management scheme be developed for marine sites**' ... incorporating views of **relevant authorities** & taking into account the **concerns & aspirations of users**



Action Plan 2013-18

- Activity, Assessment Tables & Maps 2007-12
- Original Management Scheme 2001-6



Coastal Wardens



- Volunteer scheme for people to help safeguard the unique coastal and marine habitats, whilst allowing people to enjoy the NE Kent coast
- Giving people the opportunity to get involved, by becoming the **'eyes & ears'** of the coast through:

- **Recording**
local marine & bird life



- **Monitoring**
Visitor & coastal activities

- **Reporting**
incidents



... & other Volunteer Opportunities

Warden Training (2013)

- 2 Coastal Volunteer Introductory Training Days
- Coordinated Turnstone Count and Disturbance Monitoring (SBBOT / NE)
- Intertidal Investigations Study Day (KWT)
- Coastal Warden-led health walks
- Climate Change and Coastal Communities workshops
- Summer Social and In Your Patch chats and walks
- National Whale and Dolphin Watch events
- Seaweeds and Their Secrets
- Offshore Boat Excursion
- Coastal Wader Watch (KWT)
- Nature Rambles (KWT)
- Shoresearch events (KWT)



Reporting incidents



Reporting incidents





BEACH CLEAN UP



VIKING BAY



SUNDAY 8 DEC, 10:00

Share if you love the isle



Partnering with Thanet Coast

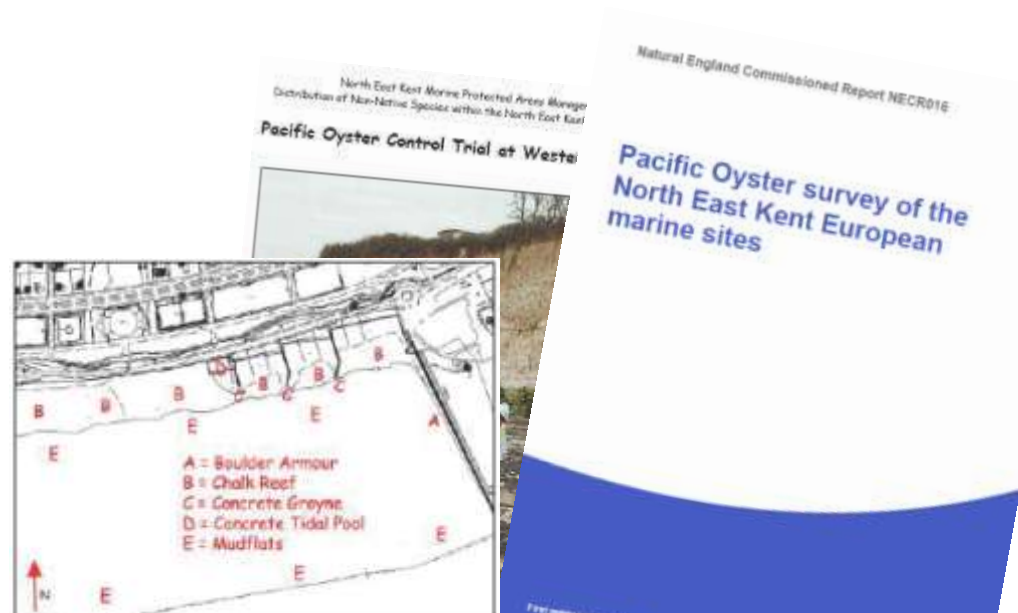
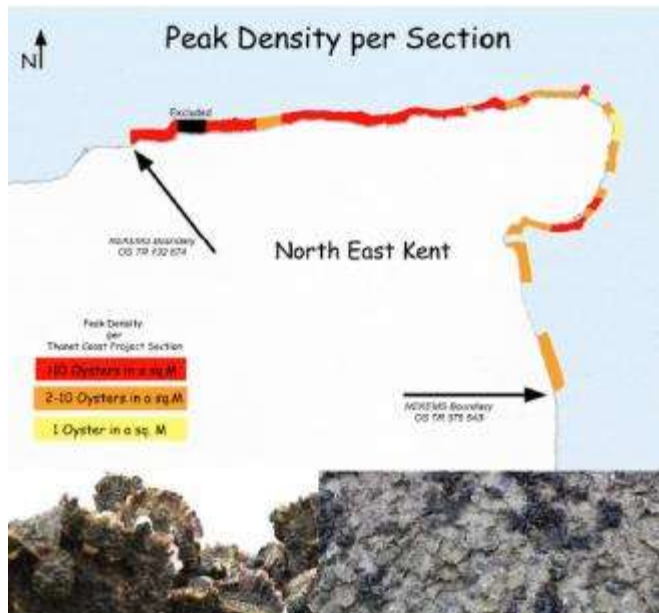
- **CC2150 Partner Workshop**
 - Mike Humber & Margate Flood Defences,
 - Willie McKnight & Non-native species (pacific oysters)
 - Tony Child & Coastal Community Engagement
- **Workshop meetings with Coastal Wardens x 2**
- **Community Events**
 - Eg Beach Blast, Kent Coastal Week, Health Walks, Storytelling...
- **Local Engagement Group meetings (LEG) x 4**
- **‘Vision’ and ‘Action Planning’ Workshops**
 - Trained to facilitate through CC2150 - Laura, Coastal Warden



Thanet Coast - Margate



Non-Native Species project



Wakame *Undaria pinnatifida*

A large, golden-brown kelp

Key ID features:

- 1-3m in length, consisting of a divided frond with a mid-rib



Wireweed *Sargassum muticum*

A type of brown seaweed

Key ID features:

- A large olive-brown seaweed with fronds often over 1m long



Chinese mitten crab *Eriocheir sinensis*

A crab

Key ID features:

- Large crab up to 8cm across
- Grey-green to dark brown in colour with paler legs, which are



Pacific oyster *Crassostrea gigas*

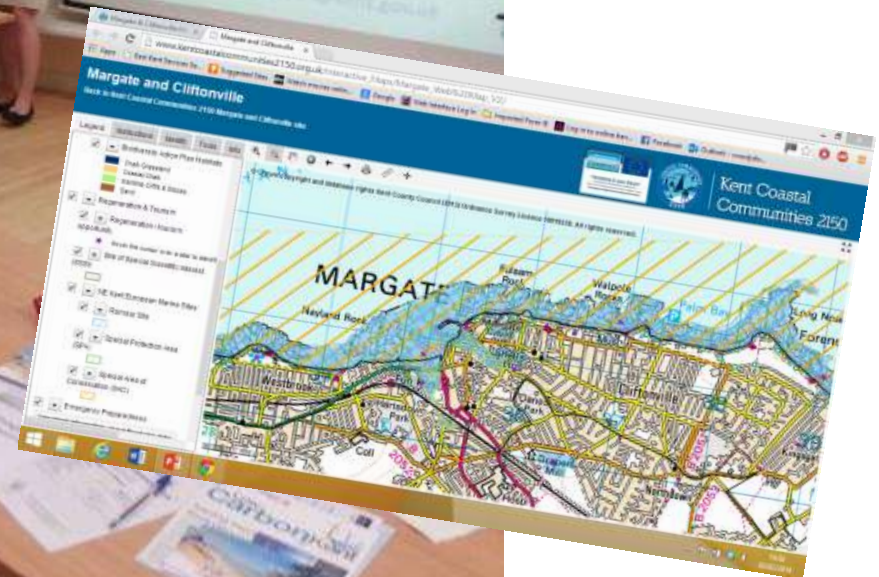
A bivalve mollusc

Key ID features:

- Thick, rough, hinged shell up to 18cm long
- Markedly wavy or



Coastal Warden Workshops



Local Engagement Group (LEG) Margate/Cliftonville

- *Meetings x 4*
- *Workshops x 2*



Partnership Events

Thanet Coast – Health Walks



Partnership events

- Beach Blast *(teenagers)*

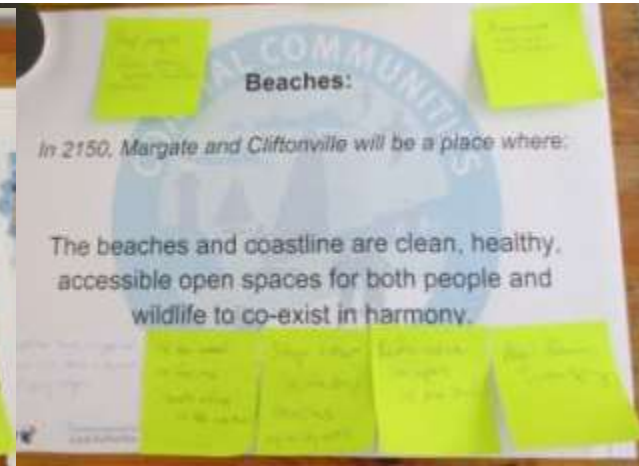
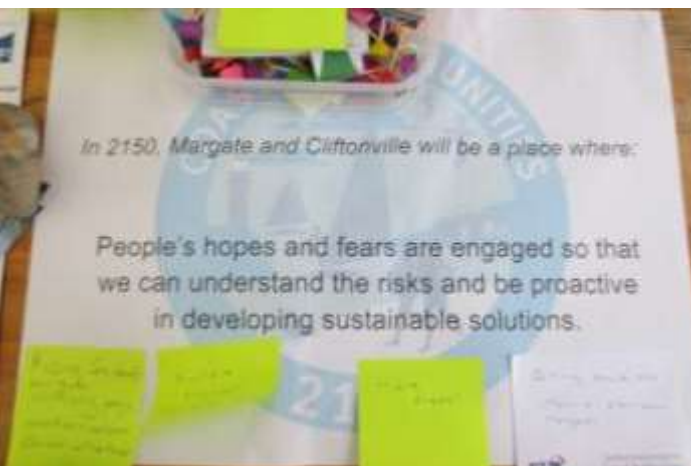


Partnership event: Kent Coastal Week



Partnership events

- Kent Coastal Week

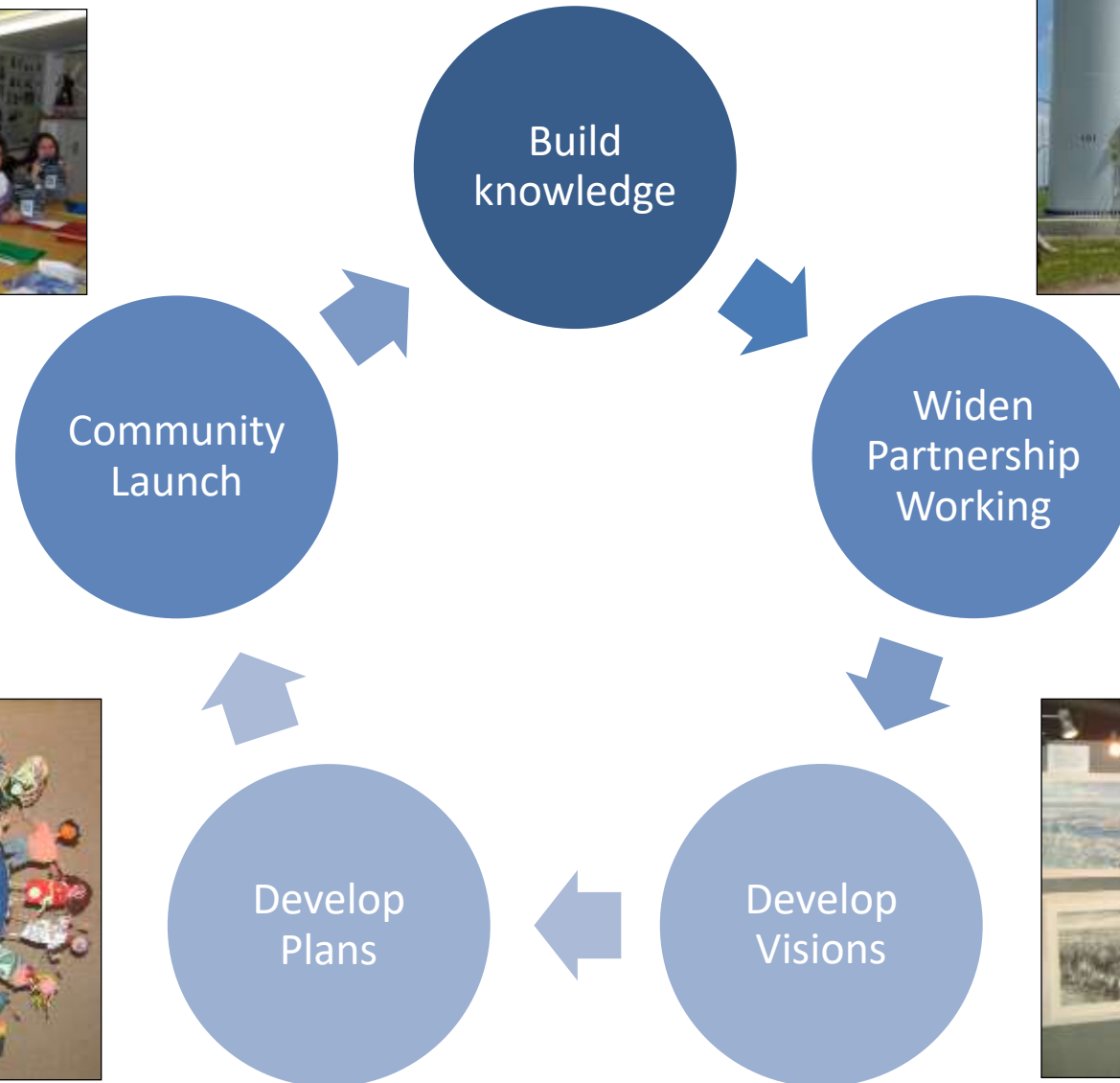


Partnership events

- Storytelling Walks



CC2150 Activity Structure



North East Kent Marine Protected Area (Thanet Coast)



Next: CC2150 Kent Coastal Community Launch Event on 5 March 2014

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