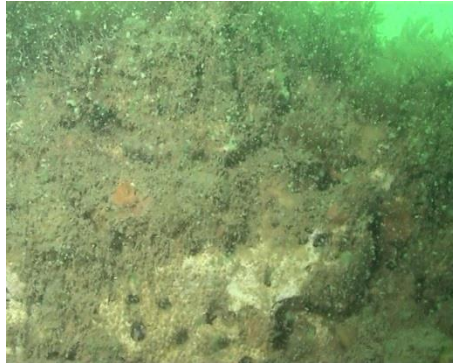


Summary of Kent WT Seasearch Subtidal Surveys carried out in 2014 in Dover to Folkestone recommended Marine Conservation Zone

Seasearch surveys were undertaken at 7 sites within the Dover to Folkestone rMCZ in 2014, recording chalk reef and oysters inshore in Wear Bay, and mixed ground with boulders and outcrops further offshore.



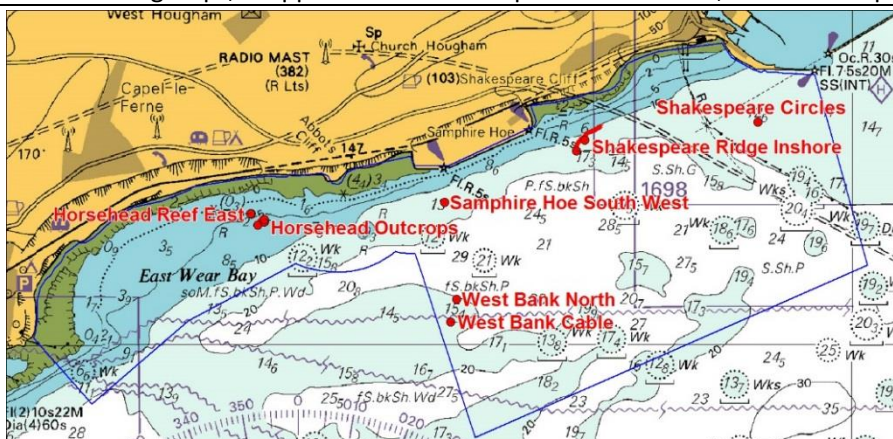
Piddock-bored chalk reef at Horsehead Reef East, 2014.



Ostrea edulis at Horsehead Reef East, 2014

Below are detailed: site name, date, time, location (central position of survey); number of forms done, with names of the lead surveyors, photos/videos available; and an indication of the site location accuracy.

Shakespeare Ridge Inshore 07/06/2014 13:40 Position: 51.1030N, 1.2884E 2 Survey forms (Bryony Chapman, Dave Wood). Photos & Video 5 divers in 2 groups, dropped in at slightly different start positions. Drift dive, covering about 250m. One group with GPS tracker on SMB and video, other group with a start and pick up position from boat.
Horsehead Reef East 07/06/2014 17:10 Position: 51.0966N, 1.2357E 2 Survey forms (Bryony Chapman, Dave Wood). Photos & Video 5 divers in 2 groups, dropped in at slightly different start positions. Divers stayed in a very small area. One group with GPS tracker on SMB and video, other group no end position.
Horsehead Outcrops 08/06/2014 15:40 Position: 51.0955N, 1.2369E 3 Survey forms (Bryony Chapman, Dave Wood, Elaine Purse). Photos & Video 6 divers in 3 groups, dropped in on a shot at the same position. Divers stayed within about 30m radius. One group with GPS tracker on SMB and video, other groups with pick-up positions from the boat.
West Bank Cable 21/06/2014 17:30 Position: 51.0856N, 1.2681E 1 Survey form (Elaine Purse). Photos 3 divers in one group, dropped in on a shot, so an accurate start position; no end position
West Bank North 28/06/2014 10:45 Position: 51.0879N, 1.2690E 2 Survey forms (Paula Young, Elaine Purse). Photos 4 divers in 2 groups, dropped in at the same position on a shot, so an accurate start position; no end positions.
Shakespeare Circles 28/06/2014 17:00 Position: 51.1060N 1.3178E 2 Survey forms (Paula Young, Elaine Purse). Photos 4 divers in 2 groups, dropped in at the same position on a shot, and stayed within 50m of shot position.
Samphire Hoe SW 20/07/2014 10:10 Position: 51.0978N 1.2671E 1 Survey form (Paula Young), 1 Observation form (Fiona White). Photos 5 divers in 2 groups, dropped in at the same position on a shot, with no end positions.



All divers involved:

Seasearch survey divers:

Bryony Chapman, Dave Wood, Paula Young, Elaine Purse, Rebecca Korda.

Seasearch observation divers:

Chris Read, Pauline Brown, Kay Skinner, Roger Danks, Lesly Conroy, Andrew Duff, Kim Cole, Fiona White



Lanice bed at Shakespeare Ridge Inshore, 2014



Animal turf-covered boulder at Shakespeare Ridge Inshore, 2014

Summary of priority habitats/features recorded in Dover to Folkestone rMCZ in 2014

BSH, Habitat and Species FOCI recommended for designation in this rMCZ		Supporting evidence from KWT Seasearch in 2014
BSH	Moderate energy intertidal rock	
BSH	Intertidal coarse sediment	
BSH	High energy infralittoral rock	
BSH	Moderate energy infralittoral rock	
BSH	Subtidal coarse sediment	1 record of SS.SCS.ICS.SLan (at Shakespeare Ridge Inshore)
HOCI	Blue mussel beds	
HOCI	Intertidal underboulder communities	
HOCI	Littoral chalk communities	
HOCI	Peat and clay exposures	
HOCI	Rossworm reef (<i>Sabellaria spinulosa</i>)	
HOCI	Subtidal chalk	Total of 10 records: 4 records of CR.MCR.SfR (all at Horsehead Outcrops) 1 record of CR.MCR.SfR.Hia (at Horsehead Reef East) 4 records of CR.MCR.SfR.Pid (2 at Samphire Hoe SW + 2 at Horsehead Reef East) 1 record of CR.MCR.SfR.Pol (at Horsehead Outcrops) 6 Photos: 3 at Horsehead Reef East, 3 at Horsehead Outcrops
HOCI	Subtidal sands and gravels	1 record of SS.SCS.ICS.SLan (A5.137) (at Shakespeare Ridge Inshore) 1 photo of silted sediment with Lanice
SOCI	Short-snouted seahorse (<i>Hippocampus hippocampus</i>)	
SOCI	Native Oyster (<i>Ostrea edulis</i>)	4 records of Ostrea edulis (2 at Horsehead Reef East + 2 at Horsehead Outcrops) 4 photos – 3 at Horsehead Reef East, 1 at Horsehead Outcrops
Geol	Folkestone Warren	

Additional BSH, Habitat or Species FOCI recorded in this rMCZ (not included in rMCZ features list)		Supporting evidence from KWT Seasearch in 2014
BSH	High energy circalittoral rock	2 records of CR.HCR.XFa (Eunis A4.13) (at Samphire Hoe SW + Shakespeare Circles) 4 records of CR.HCR.XFa.SpNemAdia (A4.135) (2 at West Bank North + 1 at West Bank Cable + 1 at Samphire Hoe SW) 1 record of CR.HCR.XFa.Mol (A4.138) (at Shakespeare Circles) Photos available if required.
BSH	Moderate energy circalittoral rock	10 records - as listed above for Subtidal Chalk FOCI
BSH	Subtidal coarse sediment	1 record – as above for Subtidal Sands and Gravels FOCI
BSH	Subtidal mud	2 records of SS.SMu (Eunis A5.3) (both at Horsehead Outcrops)
BSH	Subtidal mixed sediment	3 records of SS.SMx.CMx.CloMx (A5.441) (all at Shakespeare Ridge Inshore)

Data management and Quality Assurance

Validation of forms by Bryony Chapman, KWT Marine Policy Officer.

Data entry into Marine Recorder by Fiona White, KWT Marine Officer, checked by Bryony Chapman.

Identification of species samples:

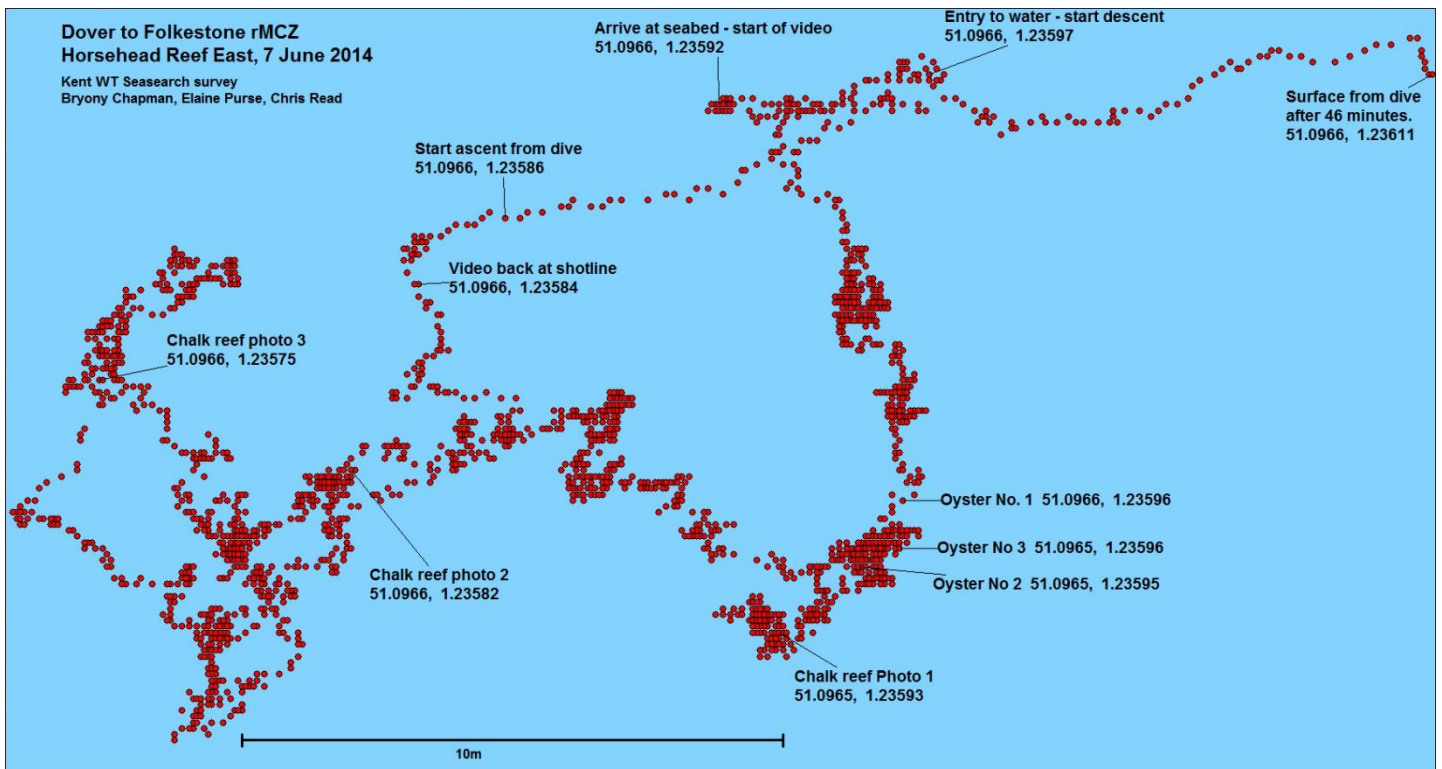
Algae by Ian Tittley (NHM algae specialist); animals by Chris Spurrier (consultant marine biologist).

Biotope determinations done with Chris Spurrier (consultant marine biologist).

Data submitted by KWT to Chris Wood, National Seasearch Co-ordinator on 23 December 2014.

Reference to Marine Recorder survey and photo data submitted

MR Survey Name	2014 Kent Seasearch Sublittoral Survey - Dover to Folkestone rMCZ
MR Survey Key	MRLRC00700000012
Photo Spreadsheet Name	Kent WT Seasearch 2014 -Photographic Evidence T2 MCZs.xlsm



GIS plot of GPS tracker carried on surface marker buoy (SMB) during Kent WT Seasearch survey dive on Horsehead Reef East on 7 June 2014, showing positions of photos submitted for additional evidence of MCZ features.



Nemertesia antennina hydroid, and other animal turf, Horsehead Outcrops, 8 June 2014



Clathrina coriacea, a sponge not previously recorded in Kent. Horsehead Outcrops, 8 June 2014