

Summary of Seasearch Surveys carried out in Cromer Shoal Marine Conservation Zone

Seasearch surveys consisting of 106 forms amalgamated into 87 survey events were undertaken at 13 sites within the Cromer Shoal MCZ in 2015.

The features for designation are:

Broad scale habitats

A3.1 High energy infralittoral rock

A3.2 Moderate energy infralittoral rock

A4.2 Moderate energy circalittoral rock

Habitat FOCI Subtidal chalk

Geological feature North Norfolk coast (subtidal)

Features within the area but NOT proposed for designation are:

Broad scale habitats

A5.1 Subtidal coarse sediment

Habitat FOCI

Blue mussel beds

Peat and clay exposures

Subtidal sands and gravels

Geological feature Trimmingham (subtidal)

All the features with proposed designation were found throughout the areas surveyed and all those not proposed with the exceptions of blue mussel beds (trawled after being highlighted as a possible rMCZ site) and Trimmingham subtidal (not surveyed this year).



Subtidal chalk formations at Sheringham (left) and East Runton (right), the latter with the worm *Polydora ciliata*, which is a key species of soft rock communities.

Below are detailed: site name, dates, times, 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.

Rosalie wreck 22 dives between 17/06/15 and 09/11/15, 17 Observation (Michael Southwood, Atanas Petrov, Mick Bateman) and 5 Survey forms (Dawn Watson, Rob Spray) Photographs and video. Centre of site 52 57.133N, 01 08.001E, some dives covered up to 200m of seabed. Some dives with GPS tracker on SMB.
Weybourne cliffs/sluice pipe 27 dives between 16/06/15 and 12/11/15, 16 Observation (Michael Southwood, Ben Moore, Niina Bastaki, Tony Clare, Angelo Villaschi, Simon Loveday, Mick Bateman) and 11 Survey forms (Dawn Watson, Rob Spray) Photographs and video. Centre of site 52 56.996N, 01 08.550E, some dives covered up to 350m of seabed. Some dives with GPS tracker on SMB.
Spalla Gap 2 dives on 24/09/2015, 1 Observation form (Michael Southwood) and 1 Survey form (Dawn Watson) Photographs and video. Centre of site 52 57.175N 01 10.062E Dives covered up to 350m of seabed. Dives with GPS tracker on SMB.
Robin's Friend 3 spring low tide surveys, between 22/02/15 and 05/07/15, 1 Observation form (Michael Southwood) and 2 Survey forms (Dawn Watson) photographs. 52 56.838N 01 11.576E Positions from GPS.
Sheringham Esplanade/Burlington Gullies 13 dives between 17/06/15 and 05/11/15, 7 Observation (Michael Southwood, Mick Bateman) and 6 Survey forms (Dawn Watson, Rob Spray, Jon Chamberlain) Photographs and video. Centre of site 52 56.913N 01 12.482E, some dives covered up to 600m of seabed. Some dives with GPS tracker on SMB
Cliff Lane/Vincent Road/sewer pipe Sheringham 10 dives between 12/07/15 and 02/11/15, 2 Observation forms (Michael Southwood) and 8 Survey forms (Dawn Watson, Rob Spray, Jon Chamberlain) Photographs and video. Centre of site 52 56.913N 01 12.482E, some dives covered up to 400m of seabed. Some dives with GPS tracker on SMB
Sheringham far East 1 dive on 05/10/15, 1 Survey form (Dawn Watson,) Photographs and video. Centre of site 52 56.853N 01 12.983E, dive covered roughly 400m of seabed. Dive with GPS tracker on SMB
West Runton 1 spring low tide survey and 4 dives between 15/02/15 and 26/10/15, with 1 Observation form (Michael Southwood) and 4 Survey forms (Dawn Watson, Jon Chamberlain) Photographs and video. Centre of site 52 56.640N 01 15.223E. Some dives covered up to 400m of seabed. Some dives with GPS tracker on SMB
East Runton 9 dives between 14/04/15 and 01/11/15, with 5 Observation forms (Michael Southwood, Mick Bateman) and 4 Survey forms (Dawn Watson, Rob Spray) Photographs and video. Centre of site 52 56.418N 01 16.485E. Some dives covered up to 400m of seabed. Some dives with GPS tracker on SMB
Overstrand West boat slip 6 dives between 19/07/15 and 17/11/15, 3 Observation forms (Michael Southwood, Sascha Ley, David Holmes) and 3 Survey forms (Dawn Watson). Photographs and video. Centre of site 52 55.390N 01 20.526E. Some dives covered up to 400m of seabed. Some dives with GPS tracker on SMB
Overstrand East boat slip 6 dives between 04/10/15 and 17/11/15 6 Survey forms (Dawn Watson, Rob Spray, Jon Chamberlain) Photographs and video. Centre of site 52 55.185N 01 20.958E. Some dives covered up to 400m of seabed. Some dives with GPS tracker on SMB
Artemesia wreck 1 dive on 06/08/15, with 1 Survey form (Dawn Watson). Photographs. Centre of site 52 51.666N 01 36.383E dive position from boat GPS.
Happisburgh drift 1 dive on 06/08/15, with 1 Survey form (Rob Spray). Photographs. 52 49.467N 01 35.827E to 52 49.468N 01 37.166E start and end positions from boat GPS.

BSH, Habitat and Species FOCI recommended for designation in this rMCZ		Supporting evidence from Seasearch in 2015
BSH	High energy infralittoral rock	Overstrand West and East boat slip, East Runton, West Runton, Sheringham far East, Sheringham Cliff Lane/ pipe, Sheringham Esplanade/Burlington Gullies, Robin's Friend, Spalla Gap, Weybourne Cliffs
BSH	Moderate energy infralittoral rock	East Runton, West Runton, Weybourne Cliffs,
BSH	High energy circalittoral rock	Overstrand West and East boat slip, East Runton, West Runton, Sheringham far East, Burlington Gullies/ Sheringham Esplanade, Weybourne Cliffs, Rosalie wreck
HOCl	Subtidal chalk	Overstrand West and East boat slip, East Runton, West

BSH, Habitat and Species FOCI recommended for designation in this rMCZ	Supporting evidence from Seasearch in 2015
	Runton, Sheringham far East, Sheringham Cliff Lane/ pipe, Sheringham Esplanade/Burlington Gullies, Robin's Friend, Spalla Gap, Weybourne Cliffs

Additional BSH, Habitat or Species FOCI recorded in this rMCZ (not included in rMCZ features list)		Supporting evidence from Seasearch in 2015
BSH	Subtidal coarse sediment	Overstrand West and East boat slip
BSH	Peat and clay exposures	Overstrand West and East boat slip
BSH	Subtidal sands and gravels	Overstrand West and East boat slip, East Runton, West Runton, Sheringham far East, Sheringham Cliff Lane/ pipe, Sheringham Esplanade/Burlington Gullies, Robin's Friend, Spalla Gap, Weybourne Cliffs, Rosalie wreck
HOCl	Sabellaria	Overstrand West and East boat slip, with smaller amounts at all chalk sites.

Reference to Marine Recorder survey and photo data submitted

MR Survey Name	2015 Seasearch Survey of Cromer Shoal MCZ
MR Survey Key	MRMCS017000001B



Typical chalk communities (left, top and bottom) and an exposed piddock shell in a clay exposure (right, Overstrand)