

2014

Summary of Seasearch Surveys carried out in Kingmere Marine Conservation Zone

Kingmere

Site centre location: ETRS89 N°50 43' 39.980" W0° 27' 54.772" N50° 43.666' W0° 27.913'

Broad-scale habitats: Subtidal chalk

Black Bream (*Spondyllosoma cantharus*)

Kingmere contains several excellent examples of rocky habitats and subtidal chalk outcropping reef systems, in particular the Kingmere Rocks and the Worthing Lumps. These rocky outcrops of sandstone and boulders support a wide range of marine life. This site was specifically recommended by the Sussex IFCA (Sussex IFCA MCZ proposal 19.08.2010) in order to protect the wider sandstone reef associated with Black Bream spawning aggregations.

Kingmere, Marine Recorder survey MRMCS004000002F

Five survey events were carried out on the Kingmere, one in April and a more successful four in June.

1. 16th April 2014

This was a drift dive survey starting at: 50 43.284°N, 000 28.165°W; ending at: 50 43.374°N, 000 27.741°W; Seasearch SX14/002; Marine recorder event MRMCS004000002E5

Four surveyors: Dr Gerald Legg, Chris Williams, Rebecca Korda, Olle Akesson

A single form was completed.

Validated and input in the Marine Recorder by Dr Gerald Legg.

Priority habitats/features recorded: Rocky outcrops of subtidal chalk with chalk rubble and associated fauna. No Black Bream, *Spondyllosoma cantharus*, nests recorded at this time (diving conditions far from ideal). Signs of damage to chalk, recently broken pieces displaced from outcrops, discarded fishing gear.



Habitat and species FOCI recommended for designation in this rMCZ and recorded:

Sub-tidal chalk

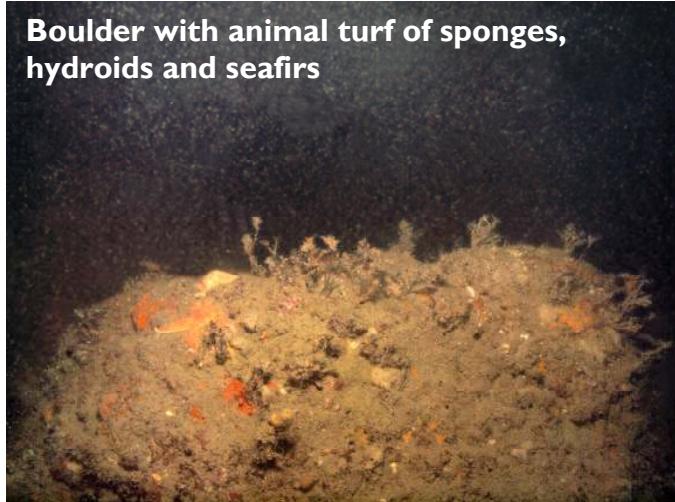
images/video

Moderate energy infralittoral rock

images/video

Sub-tidal coarse sediment

images/video



Boulder with animal turf of sponges, hydroids and sea fans



Large Ross coral, *Pentapora fascialis*



Elephant ear sponge, *Pachymatisma johnstonia* and other animal turf on

2. 15th June 2014

2.1 Drift dives in groups beginning at 10:45 with a mean duration of 40 minutes.

2.11 Start: 50.738° N, 0.444° W; end: 50.742° N, 0.428° W; Seasearch SX14/010; Marine Recorder event MRMCS004000002E3

2.12 Start: 50.738° N, 0.444° W; end: 50.741° N, 0.426° W; Seasearch SX14/011; Marine Recorder event MRMCS004000002E2

2.13 Start: 50.73723° N, 0.44409° W; end: 50.73996° N, 0.43351° W; Seasearch SX14/013; Marine Recorder event MRMCS004000002E4

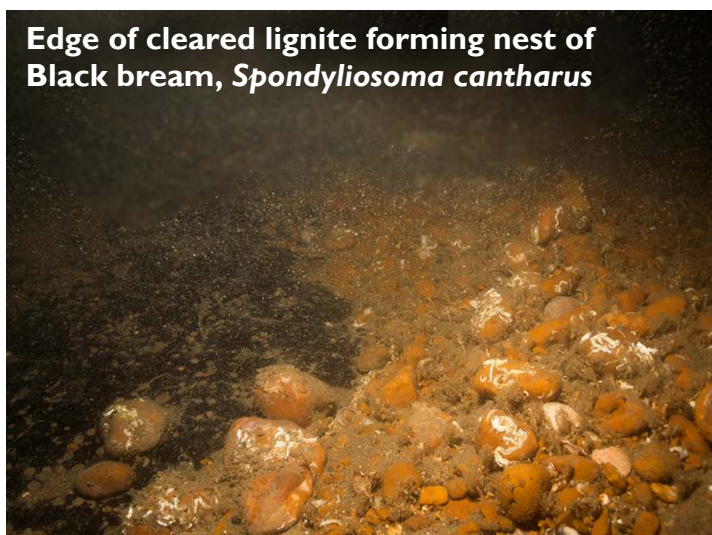
Eight surveyors: Gerald Legg, Chris Williams, Michael Hood, Ellie Taylor, Neil Watson, Chris Bohea, Glenn King?, Bryony Chapman, Nigel McRob. Three forms completed.

2.2 Drift dive beginning at 12:49 with a duration of 42 minutes.

2.21 Start: 50.733° N 0.429° W; end: 50.731° N, 0.442° W; Seasearch SX14/011; Marine

Recorder event MRMCS004000002E0

Four surveyors: Michael Hood, Ellie Taylor, Neil Watson



Edge of cleared lignite forming nest of Black bream, *Spondyliosoma cantharus*

Validated and input in the Marine Recorder by Dr G. Legg.

Priority habitats/features recorded: Rocky outcrops of subtidal chalk [and other rock: lignite] with chalk rubble with associated fauna. Numerous Black Bream, *Spondyliosoma cantharus*, nests recorded. Signs of damage to chalk, recently broken pieces displaced from outcrops.



Habitat and species FOCI recommended for designation in this rMCZ and recorded:

- | | |
|------------------------------------|--------------|
| Sub-tidal chalk | images/video |
| Moderate energy infralittoral rock | images/video |
| Sub-tidal coarse sediment | images/video |
| Black Bream; nests only | images |

Bream nest with positions for drift dive SX14/013;
Marine Recorder event MRMCS00400002E4

Several small patches of clean rock 50.7395642, -0.4365348

Fish fry 50.7395285, -0.4358935

Small areas of bare black rock 50.7394749, -0.4361859

Bream Nest 13 50.7394731, -0.4362023

Bream Nest 12 50.7394577, -0.4363359

Bream Nest 11 50.7394417, -0.4364185

Bream Nest 10 50.7394306, -0.4364434

Bream Nest 9 50.73942, -0.4364748

Bream Nest 8 50.73941, -0.4364527

Bream Nest 7 50.7394022, -0.4364572

Bream Nest 6 50.7393868, -0.4364826

Bream Nest 5 50.7393608, -0.4365827

Small, partially cleaned patches 50.7392515, -0.4369141

Bream Nest 4 50.7392816, -0.4367871

Bream Nest 3 50.7392635, -0.4368676

Bream Nest 2 50.7392431, -0.4369439

Bream Nest 1 50.73918, -0.4371622

