



Havant
BOROUGH COUNCIL

CHICHESTER DISTRICT COUNCIL AND HAVANT BOROUGH COUNCIL

**Local Action Plan for Shellfish Harvesting Beds in
Chichester Harbour**

Updated April 2015

Index

Contents	Page No.
Members of the Local Action Group	1
Scope of Plan	1
Conditions for operation of the plan	2
Other Potential Sources of Pollution and Information	2
Map from Southern Water identifying potential pollution sources	4
Communication and Notification	5
Procedures To Be Followed For Cause for Concern	6
Procedures To Be Followed For Possible Downgrade Notification	6
Procedures To Be Followed For First Tier Investigation LTC Sites	7
Procedures To Be Followed For Second Tier Investigation LTC Sites	8
Procedures To Be Followed For Third Tier Investigation and Action State - E-coli	9
Procedures To Be Followed For Third Tier Investigation and Action State -Biotoxins	10
Template Of Standard Notification Message For Cause for Concern	11
Template Of Standard Notification Message For First Tier Result	12
Template Of Standard Notification Message For Second Tier Result	13
Template Of Standard Notification Message For Third Tier Result	14
Template Of Standard Notification Message For Potential Downgrade Notification - Non-LTC bed	15
Template Of Standard Notification Message For Downgrade Notification	15
Template Of Standard Notification Message ASP/PSP/DSP Events	16
Template For Fishing in Unclassified Waters	17
Test Message	17
ANNEX 1	18
ANNEX 2	19
ANNEX 3	20

Agreed Local Action Plan (LAP) for the Local Action Group covering the areas of Chichester District Council and Havant Borough Council in Chichester Harbour.

Members of the Local Action Group

- Chichester District Council
- CEFAS
- Southern Water
- Marinas & Sailing Clubs
- Marine Fisheries Agency
- Havant Borough Council
- Chichester Harbour Conservancy
- Environment Agency
- Councillors
- Inshore Fishery Committee Members (IFCA)
- FSA
- PHE
- Local Industry
- Parish Councils

Chichester District Council will act as the co-ordinating authority to update and maintain the LAP.

Scope of Plan

This plan covers the following shellfish Harvesting Areas (See Annex 1, 2 and 3 (pages 18 – 20)):

Name	Food Authority	Classification
• Cobnor \$	Chichester District Council Long Term Classified Bed (LTC)	LTC – B
• Thorney Outfall \$	Chichester District Council NOT a Long Term Classified bed	B
• Dell Quay \$	Chichester District Council NOT a Long Term Classified bed	C
• Emsworth \$	Havant Borough Council Long Term Classified Bed (LTC)	LTC – B
• Hambrook	Chichester District Council NOT a Long Term Classified Bed	C

Please Note:

All beds above are public fisheries. Those marked \$ are closed 1st May to 31st October.

ONLY Native Oysters (*Ostrea edulis*) beds have been classified in the beds marked \$ above within Chichester Harbour

Hambrook is now classified for Clams (*Tapes spp*) and Cockles (*Cerastoderma edule*).

No other bivalve mollusc apart from the above should be harvested and placed on the market in any other areas of Chichester Harbour.

Oysters, Clams and Cockles gathered in Chichester Harbour **MUST** be accompanied by Registration Documents available **FREE OF CHARGE** from either Council.

Oysters, Clams and Cockles from Class B beds must be sent for Relaying or Purification at an approved premises.

Oysters, Clams and Cockles from Class C beds must be sent for Relaying in an approved bed.

Conditions for operation of the plan

This plan will come into operation when notification reveals:

Triggers for **LTC sites** are as follows:

	Action State	Second Tier Investigations	First Tier Investigations
Level of E.coli per 100g of flesh	1 result >18000	1 result between 10000 - 18000	1 result between 4600 – 10000

Triggers for annual or temporary classification system (i.e. **non LTC sites**) are as follows:

Category	Action State	Cause for concern	Possible downgrade
A	1 result >230	1 result >230 but <1000	2 results >230 but <1000, or 1 result >1000
B	1 result >18000	2 results >4600 but <18000	3 results >4600 or 2 results >18000 or 1 result >46000
C	1 result >46000	N/A	2 results >46000

Biotoxins – All beds

a. Levels of biotoxins are found to exceed:

- Paralytic Shellfish Poisoning (PSP) - 80 µg/100 g
- Amnesic Shellfish Poisoning (ASP) - 20 µg/g
- Diarrhetic Shellfish Poisoning (DSP) – must not be present

An 'Action State' will be commenced.

Other Potential Sources of Pollution and Information

Background

Chichester Harbour is part of the smallest AONB in the South East region which offers a unique mix of sea, coast and land and has an intertidal area covering 24km². It is of international importance for its wintering bird populations, marine and coastal habitats. Chichester Harbour is a major recreational boating harbour, attracting some 1.5 million people each year to enjoy activities both on and off the water.

There are a wide range of businesses in Chichester Harbour, including sailing, seasonal businesses, and those concerned with farming the high quality agricultural land.

The Chichester Harbour Management Plan identifies a resident fleet of some 10,000 leisure vessels, representing about 28% of all the recreational craft in the Solent. Combined membership of the 14 sailing clubs amounts to 12,000 people and each year an estimated 25,000 come and enjoy the Harbour's waters for racing, cruising and fishing.

Potential Sources of Pollution

As Chichester Harbour is tidal the levels of bacteria in the Shellfish may vary with the rise and fall of the water.

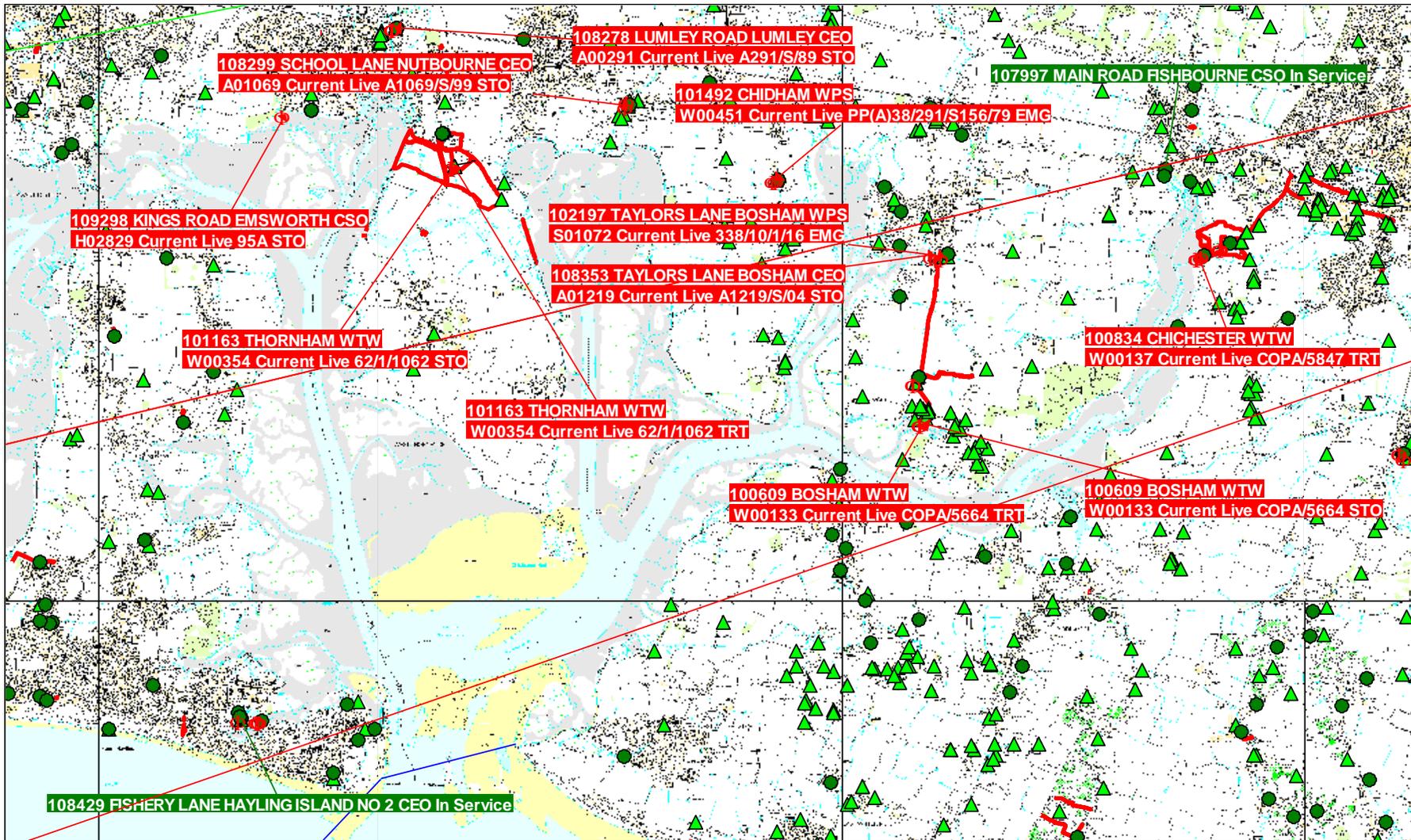
Potential sources of pollution include;

- Vessels using the Harbour, however this would be limited as many boats can only be used during high tides, which would dilute any potential pollutants and this normal use of the harbour is reflected in the monthly sampling. There are no regattas or large gatherings of boats in the harbour.
- There are a number of properties in Bosham Hoe which have septic tanks, which may be a potential pollution source if they discharge into the Harbour.
- Other discharge consents granted by the Environment Agency
- The runoff from the surrounding grazing agricultural land from excessive rainfall.
- The discharge of sewage into the Harbour from water treatment works identified on the map from Southern Water is controlled by Environment Agency consents and Notification of Storm or Emergency Discharges are notified to this department.
- Other potential sources are identified in a map provided by Southern Water on the next page.

The Chichester Harbour Management Plan refers to research that has shown that the highest proportion of nutrients which enter the Harbour comes from the wider Solent, rather than within the Harbour itself. This makes the management of the water quality within the Harbour dependent on action being taken outside the area.

Location of Rain gauges

- Chichester District Air Quality Monitoring Station (48 58 75N 10 37 95W)
- Havant Borough Council - Beachlands on Hayling Island(50:47:07N, 0:59:14W)
- Cambermet - (50° 47'. 84N, 00° 53'. 97W) about half a mile from the nearest land at the entrance to the Thorney Channel.
[http://www.cambermet.co.uk/\(q3fdhk55t1b2wtmu4aioxvnm\)/Default.shtm](http://www.cambermet.co.uk/(q3fdhk55t1b2wtmu4aioxvnm)/Default.shtm)
- Chimet - (50° 45'. 92N, 00° 56'. 46W) about half a mile out to sea from the entrance to Chichester Harbour.
[http://www.chimet.co.uk/\(lvak5wekrib0z0555iy2btvh\)/Default.shtm](http://www.chimet.co.uk/(lvak5wekrib0z0555iy2btvh)/Default.shtm)



KEY

- ▲ = discharge points into ditches, streams, harbour, etc. NOT related to Southern Water, just indicate 'A' discharge point that the EA are aware of, but nothing about where it comes from.
- WTW = Wastewater Treatment Works
- WPS = Wastewater Pumping Station
- CSO = Combined Storm Overflow (this is where storm water spills from the combined sewerage system in very wet weather)
- EO = Emergency Discharge (this is where spills of crude sewage occurs if there is a breakdown of the pumping station - very rare occurrence)
- CEO = where there could be either a storm water spill (in very wet weather) or a crude sewage spill (if the associated pumping station breaks down - very rare occurrence)

Communication and Notification

The implementation of the action plan will be undertaken by the Authority whose area is affected.

All members in group 1 (See Contacts page) will be notified that the plan is in operation by an e-mail to the nominated address. Details of the conditions and an indication of which part of the plan is to be followed will be given, including any control measures being considered or activated.

The relevant members of group 2 will be notified of 'Action States' only.

An acknowledgement of receipt with any information which may be of interest or use should be sent back to the notifying party as soon as possible.

A test notification will be sent by the co-ordinating Local Authority yearly with a view to ensuring contact details remain correct.

Communication will be by the dedicated Local Authority email address in the relevant Local Authority.

Procedures To Be Followed For Cause for Concern

Phase 1

1. Local Authority receives notification from CEFAS of the following result in a NON LTC BED:
Cat A 1 result >230 but <1000
Cat B 2 results >4600 but <18000
2. Local Authority informs group 1 members of the Local Action Group (LAG) that a 'Cause for Concern' investigation is to be carried out.
3. The Local Authority should request details of any exceptional events from the LAG.
4. The Local Authority checks the level of rain from the local Rain gauges and BBC Weather pages the day prior to the sampling and liaises with local shellfish industry as necessary. i.e. industry must be aware of the results and potential consequences.
5. Cefas to request details of any exceptional events from the Environment Agency.

Phase 2 (after 7 days)

6. Local Authority to consider any further available information from LAG group 1 contacts to help with the investigation and request further assistance if necessary.
7. Local Authority informs CEFAS of the outcome of the request for information and their investigation.

Procedures To Be Followed For a Possible Downgrade Notification

Phase 1

1. Local Authority receives notification from CEFAS of the following result in a NON LTC BED:
Cat A 2 results >230 but <1000, or 1 result >1000
Cat B 3 results >4600 or 2 results >18000
Cat C 2 results >46000
2. Local Authority informs Downgrade to group 1 members of the Local Action Group (LAG) that a 'Downgrade' is likely to be carried out.
3. The Local Authority requests any exceptional events (Climatic or other) to be passed to us, particularly in relation to the most recent result as soon as possible.

Phase 2 (after 7 days)

4. Local Authority to notify Downgrade result to group 1 members of the Local Action Group (LAG) of outcome, and new processing requirements (purification only permitted for class B shellfish).

Procedures To Be Followed For First Tier Investigation B-LT sites

Phase 1

1. Local Authority receives notification from the HPA that results from a test of a classification sample show E.coli levels between 4600 and 10000 (E.coli per 100g of flesh).
2. Local Authority informs Group 1 members of the Local Action Group that a First Tier Investigation is to be carried out.
3. CEFAS to advise the Local Authority on statistical analyses of water quality and verify results, and LA to advise LAG.
4. CEFAS to request any relevant information from the Environment Agency regarding the high result.

Phase 2 (after 7 days)

5. Local Authority to consider CEFAS comments and recommendations.
6. Local Authority to consider any further available information from LAG Group 1 contacts to help with the investigation and request further assistance if necessary.
7. Local Authority decides if further monitoring is required.
8. LAG notified of any decisions and analysis made.

Phase 3 (after 28 days)

9. Standard monthly monitoring to continue and data to be re-evaluated.

Phase 1

1. Local Authority receives notification from HPA that result from test of classification sample shows E.coli levels are between 10000 and 18000 per 100g.
2. LAG notified, by **Blind Carbon Copy** email that the procedures for a second Tier investigation are to be implemented. CEFAS to advise LAG on statistical assessment of water quality where appropriate.
3. Contacts in group 1 form LAG. LAG informed that an investigation is to be carried out. Details of affected area including results sent to members.
4. Local Authority to consider any further available information from LAG members to help with investigation and to request further assistance if necessary.

Phase 2 (after 7 days)

5. Local Authority to consider whether the cause poses an increased risk to public health. Temporary downgrade or closure of affected area not to be considered until investigation indicates whether there is a potential risk to public health.
6. LAG notified of any decisions and analysis made.
7. Standard monthly monitoring to continue and data to be re-evaluated. If contamination levels drop below 10000 E.coli per 100g then move to Tier one investigation.
8. LAG to be kept informed of any change of status and investigative findings.

Phase 3 (after 28 days)

9. Standard monthly monitoring to continue and data to be re-evaluated. If contamination levels drop below 10,000 E.coli per 100g of flesh then move to Tier one investigation involving standard monthly monitoring and evaluation of data.
10. LAG to be kept informed of any change of status and investigative findings.

Procedures To Be Followed For Third Tier Investigation and Action State – E. coli

For All Sites

Phase 1

1. Local Authority receives notification that E.coli levels are above 18000 per 100g.
2. Local Authority notifies all LAG contacts by **Blind Carbon Copy** email, that the procedures for a third Tier investigation and 'Action State' have been implemented. Details of the affected area including results and short-term control measures sent to members. These should include temporary downgrade or closure measures and if a Closure Notice has been issued. All contacts should be notified of third Tier actions and investigations.

Phase 2 (within 7 days)

3. CEFAS to advise LAG on statistical assessment of water quality.
4. Additional sampling dates to be identified and notified to the Group, subject to a boat being available.
5. Local Authorities notifies LAG of any decisions and analysis made to establish cause and request further assistance in contacting stakeholders to notify of controls and to request any known cause. Any messages fed in by members should be by the dedicated email address and should be sent to all members of the LAG.
6. Local Authority considers any further available information from LAG members to help with investigation.

Phase 3 (as determined by sampling plan)

7. Standard monthly monitoring to continue in conjunction with additional sampling to determine cause of increased levels. Data to be re-evaluated until levels become acceptable and bed can be opened. Advised 2 clear resamples before control measures are lifted (ideally the first sample no later than 7 days after a trigger result with a second sample being taken seven days after the first additional sample).
8. If contamination levels drop between 10,000 and 18,000 E.coli per 100g for two consecutive weeks, then move to second Tier of investigation to be considered. Change of status to be discussed with CEFAS and FSA and beds opened if agreement reached. Local Authority has final responsibility for lifting any restrictions in place and for lifting the 'Action State'.
9. LAG to be kept informed of change of status and investigative findings.

Procedures To Be Followed For Third Tier Action State - Biotoxins

Phase 1

1. Local Authority receives notification that levels of biotoxins are above:
 - a. Paralytic Shellfish Poisoning (PSP) - 80 µg/100 g
 - b. Amnesic Shellfish Poisoning (ASP) - 20 µg/g
 - c. Diarrhetic Shellfish Poisoning (DSP) – Present
2. Local Authority notifies LAG contacts by **Blind Carbon Copy** email, that the procedures for a third Tier 'Action State' have been implemented. Details of the affected area including results sent to members. These should include closure measures and if a Closure Notice has been issued. All contacts should be notified of third Tier actions.

Phase 2 (within 7 days)

3. Additional sampling dates to be identified and notified to the Group, subject to a boat being available.

Phase 3 (as determined by sampling plan)

4. Standard monthly monitoring to continue in conjunction with additional sampling. Data to be re-evaluated until levels become acceptable and bed can be opened.
5. If for two consecutive week's biotoxin results do not exceed the permitted levels, then a change of status to be discussed with LAG and beds opened if agreement with LAG reached. Local Authority has final responsibility for lifting any restrictions in place and for lifting the 'Action State'.
6. LAG to be kept informed of change of status and investigative findings.

Template Of Standard Notification Message For Cause for Concern – class B site (non LTC)

To all 'Cause for Concern' members of the Local Action Group for Chichester Harbour Area

Dear Member

*A Cause for Concern investigation is necessary for **[Shellfish Bed(s)]**. A cause for concern for a class B bed is triggered by 2 results >4600 in the same review year 1 May-30 April. We have received notification that the level of E.coli per 100g has **[put in result]** for **[location] on [Date]**. As co-ordinating authority for the bed this message is notification that the Cause for Concern for our group has been activated. In accordance with the plan we would refer members to the procedures on page **[No.] for Cause for Concern actions** and request any information that may explain these high levels in the affected area.*

We will inform the group as soon as possible on any developments. Many thanks for any assistance or comment you wish to offer.

Template Of Standard Notification Message For First Tier Result

To all Group 1 members of the Local Action Group for Chichester Harbour Area

Dear Member

*A First Tier investigation is necessary for **[Shellfish Bed(s)]**. We have received notification that the level of E.coli for the classification sample for **[location and date]** is **[numerical level]**. As co-ordinating authority for the bed this message is notification that the Local Action Plan for our group has been activated. In accordance with the plan we would refer members to the procedures on page **[No.] for First Tier actions** and request any information relating to the affected area.*

*Our initial response will be to **[MEASURES TO BE TAKEN]** the shellfish beds in question and assess in conjunction with the FSA and CEFAS the overall water quality of the shellfish area. Additional sampling to the monthly monitoring programme will not be required but any data from stakeholders will be considered in our future assessment of the incident.*

We will inform the LAG as soon as possible on any developments. Many thanks for any assistance or comment you wish to offer.

Template Of Standard Notification Message For Second Tier Result

To all members of the Local Action Group for Chichester Harbour Area

Dear Member

*We have received notification that the level of E.coli for the classification sample for **[Shellfish Bed(s)]**, is **[numerical level]**. As co-ordinating authority for the LAG this message is notification that the Local Action Plan for our group has been activated. In accordance with the plan we would refer members to the procedures on page **[No.] for Second Tier actions** and request any information relating to the affected area and offers of further assistance should an investigation into the increased contamination be initiated.*

*Our initial response will be to **[MEASURES TO BE TAKEN]** the shellfish beds in question and assess in conjunction with the FSA and CEFAS the overall water quality of the shellfish area. Additional sampling to the monthly monitoring programme will **[be/not be]** required but any data from stakeholders will be considered in our future assessment of the incident.*

We will inform the LAG as soon as possible on any developments. Many thanks for any assistance or comment you wish to offer.

Template Of Standard Notification Message For Third Tier Result

To all members of the Local Action Group for Chichester Harbour Area

Dear Member

*We have received notification that the level of E.coli for the classification sample for **[Shellfish Bed(s)]**, is **[numerical level]**. As co-ordinating authority for the LAG this message is notification that the Local Action Plan for our group has been activated and an 'Action State' implemented. In accordance with the plan we would refer members to the procedures on page **[No.] for Third Tier actions** and request any information relating to the affected area and any further assistance available for carrying out an investigation into the increased contamination.*

*Our initial response will be to **[MEASURES TO BE TAKEN]** the shellfish beds in question and assess in conjunction with the FSA and CEFAS the overall water quality of the shellfish area. Additional sampling to the monthly monitoring programme will **[be/not be]** required but any data from stakeholders will be considered in our future assessment of the incident.*

We will inform the LAG as soon as possible on any developments. Many thanks for any assistance or comment you wish to offer.

Template Of Standard Notification Message For Potential Downgrade Notification - Non-LTC bed

To all members of the Local Action Group for Chichester Harbour Area

Dear Member

*We have received notification that the level of E.coli per 100g has **[put in result]** for **[location]** on **[Dates]**. As co-ordinating authority for the bed this message is notification that this bed is subject to a potential downgrade.*

As there has been: (delete as appropriate)

- *1 result >1000 for a class A bed in the same review year*
- *2 results >230 but <1000 for a class A bed in the same review year*
- *3 results >4600 B bed in the same review year*
- *2 results >18000 B bed in the same review year*
- *1 result >46000 B bed in the same review year*
- 2 results >46000 for a class C bed. in the same review year.*

*In accordance with the plan we would refer members to the procedures on page **[No.]** for **Potential Grade Notifications actions** and request any information that may explain these high levels in the affected area.*

We will inform the LAG as soon as possible on any developments. Many thanks for any assistance or comment you wish to offer.

Template Of Standard Notification Message For Downgrade Notification

Dear Member

We have received notification that this bed is subject to a downgrade.

*This means that it that **[Shellfish Bed(s)]** is now a **[New Classification]**. This means that any Oysters now harvested must be relayed in approved sites [assumes B to C downgrade].*

Many thanks for any assistance or comment you wish to offer.

Template Of Standard Notification Message ASP/PSP/DSP Events

To all members of the Local Action Group for Chichester Harbour Area

Dear Member

*We have received notification that the trigger levels for **[ASP / PSP / DSP]** have been breached for **[Shellfish Bed(s)]**.*

*Our initial response will be to **[MEASURES TO BE TAKEN]** the shellfish beds in question and assess in conjunction with the FSA and CEFAS the overall water quality of the shellfish area. Additional sampling to the monthly monitoring programme will [be/not be] required.*

THIS IS A NOTIFICATION MESSAGE AND NO OTHER ACTION IS REQUIRED

Template For Fishing in Unclassified Waters

To all Industry Representative members in group 2 & 3 of the Local Action Group for Chichester Harbour Area

Dear Member

A report of fishing for [Species] outside classified shellfish beds [in location] has been received.

Our initial response will be to [measures to be taken]. If you become aware that [Species] are being landed or received by merchants / trade please notify this Authority.

THIS IS A NOTIFICATION MESSAGE AND NO OTHER ACTION IS REQUIRED

Test Message

To all members of the Local Action Group for Chichester Harbour Area

Dear Member

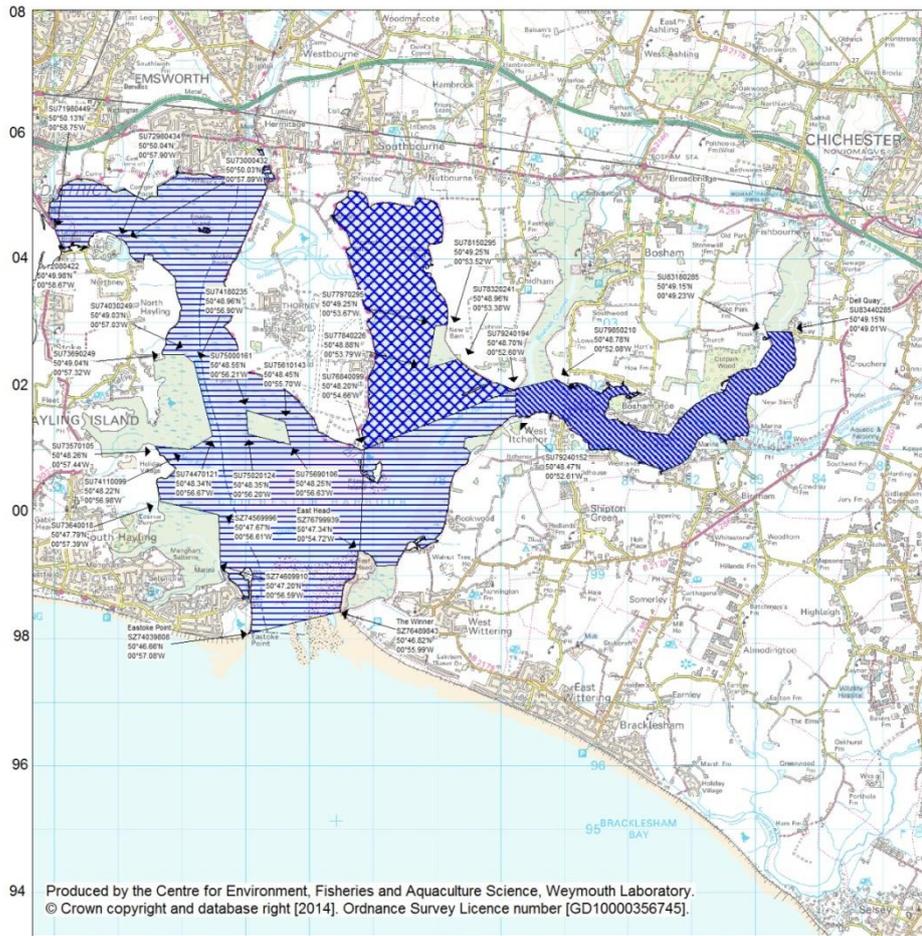
This is a test message for all members of the Chichester Harbour Local Action Group. Shellfish harvesting waters in Chichester Harbour.

Please respond to this e-mail to commercialsafety@chichester.gov.uk confirming your contact details remain correct.

If you have received this email in error and are not a member of the Local Action Group please reply so that your details can be removed from the circulation list.

Chichester Harbour - *O. edulis*

Scale - 1:75000



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Classification Zones:	Class A	Class B	Class C	Prohibited	
		LT Class B			

Classification of Bivalve Mollusc Production Areas: Effective from 3 December 2014

The areas delineated above are those classified as bivalve mollusc production areas under EU Regulation 854/2004.

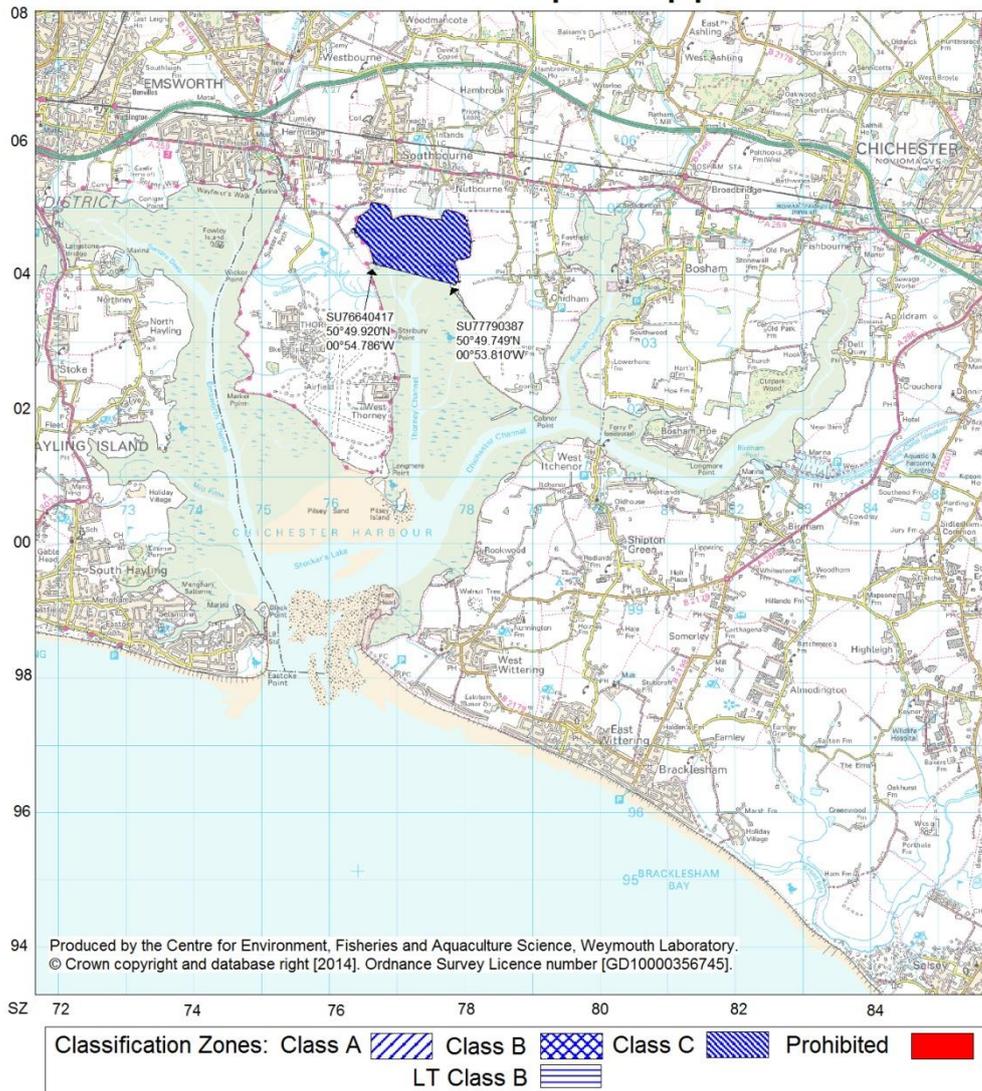
Further details on the classified species and the areas may be obtained from the responsible Food Authority. Enquiries regarding the maps should be directed to: Shellfish Microbiology, CEFAS Weymouth Laboratory, Barrack Road, The Nothe, Weymouth, Dorset DT4 8UB. (Tel: 01305 206600 Fax: 01305 206601)

N.B. Lat/Longs quoted are WGS84

Separate maps available for *Tapes* spp. and *C. edule* in Chichester Harbour

Food Authorities: Havant Borough Council
Chichester District Council

Chichester Harbour - Tapes spp. Scale - 1:75000



Classification of Bivalve Mollusc Production Areas: Effective from 26 February 2015

The areas delineated above are those classified as bivalve mollusc production areas under EU Regulation 854/2004.

Further details on the classified species and the areas may be obtained from the responsible Food Authority. Enquiries regarding the maps should be directed to: Shellfish Microbiology, CEFAS Weymouth Laboratory, Barrack Road, The Nothe, Weymouth, Dorset DT4 8UB. (Tel: 01305 206600 Fax: 01305 206601)

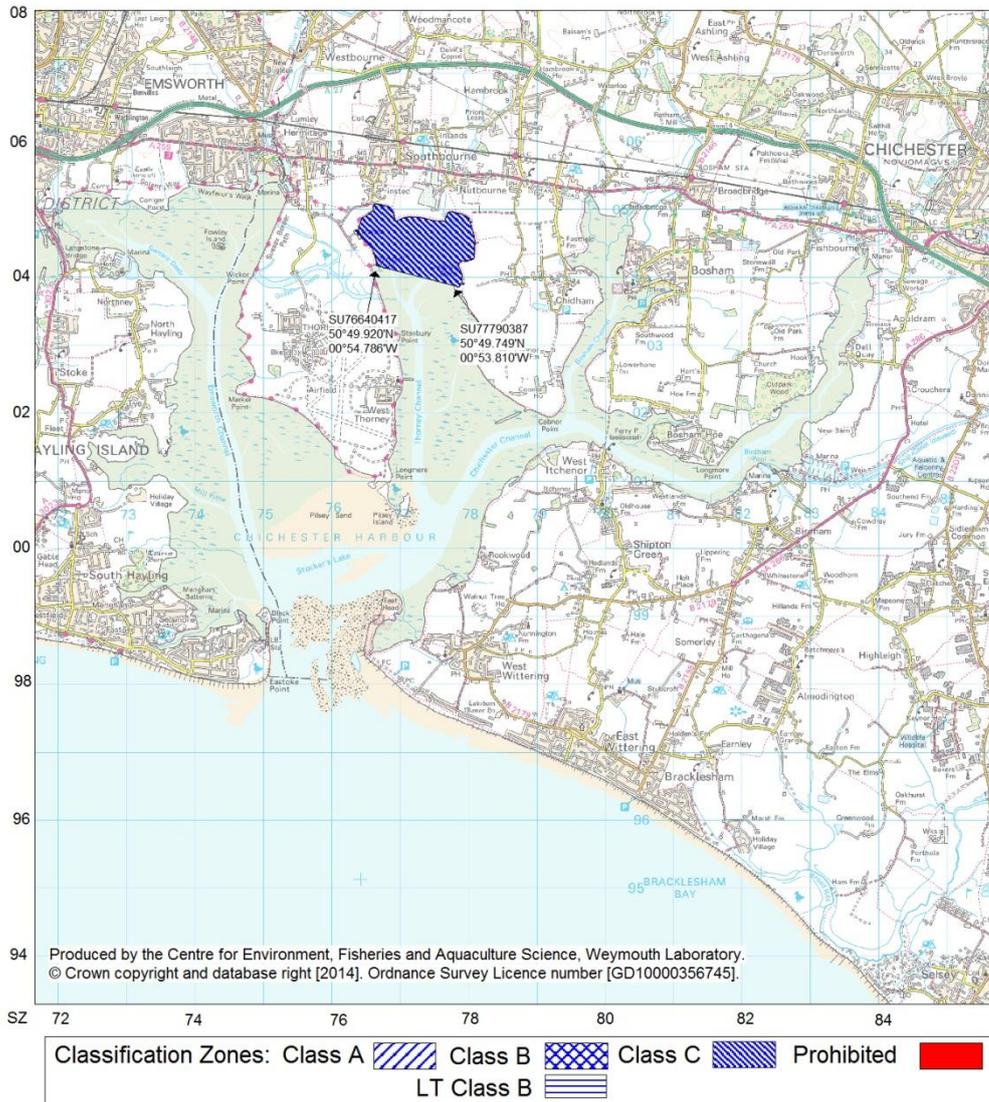
N.B. Lat/Longs quoted are WGS84

Separate maps available for *O. edulis* and *C. edule* in Chichester Harbour

Food Authorities: Havant Borough Council
 Chichester District Council

Chichester Harbour - C. edule

Scale - 1:75000



Classification of Bivalve Mollusc Production Areas: Effective from 26 February 2015

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N.B. Lat/Longs quoted are WGS84

Seperate maps available for *O. edulis* and *Tapes* spp. in Chichester Harbour
Food Authorities: Havant Borough Council
Chichester District Council