

Declaration from Ireland for disease-free status for Ostreid herpesvirus (OsHV-1 μ Var) for six compartments.

Submitted in accordance with Annex IV of 2009/177/EC.

Introduction

Ireland has had control measures in place in relation to Ostreid herpesvirus (OsHV-1uvar) since the implementation of Commission Regulation (EU) No 175/2010. As this Regulation was only valid until 30 April 2011, control measures for this disease were then inserted into Decision 2010/221/EU by Commission Decision 2011/187. Ireland was approved under this latter Decision to take national measures to control OsHV-1 μ Var under Article 43(2) of Directive 2006/88/EC. In the five year period since then, a targeted surveillance programme has been in place on all relevant sites in Ireland. A number of bays have been excluded from the programme originally submitted in January 2011, following the detection of positive results, or in one case, because of its proximity to an infected bay. All positive findings have been reported to the Commission and the relevant bays have been immediately excluded from the surveillance programme and appropriate movement controls have been put in place.

This declaration for disease freedom from Ostreid herpesvirus (OsHV-1 μ Var) relates to six compartments, five of which have been subject to targeted surveillance over the five year period and which have remained free of the virus (compartments 1, 3, 4, 5 and 6). The other compartment relates to a newly established hatchery which operates independently of the surrounding water (compartment A).

A map showing all six compartments can be viewed at www.fishhealth.ie:

1. Identification of the programme	
1.1. Declaring Member State	Ireland
1.2. Competent Authority	The Marine Institute, Rinville, Oranmore, Co. Galway, Ireland. Tel: +353-91387200 Email: fhu@marine.ie
1.3. Reference of this document	15/FHU/OsHV-1 μ Var/1
1.4. Date sent to the Commission	30 November 2015
2. Type of communication	
2.1. ☒ Declaration of disease free-status	
2.2. Submission of application for disease-free status	
3. National legislation	S.I. No 261 of 2008 European Communities (Health of Aquaculture Animals and Products Regulations) 2008 (as amended), transposes Directive 2006/88/EC into Irish law.
4. Diseases	
4.1. Fish	☐ VHS ☐ IHN ☐ ISA ☐ KHV

4.2. Molluscs	☐ infection with <i>Marteilia refringens</i> ☐ infection with <i>Bonamia ostreae</i> ☒ OsHV-1 μ Var
4.3. Crustaceans	
5. Grounds for disease-free status	
5.1. ☐ No susceptibles	
5.2. ☐ Pathogen not viable	
5.3. ☐ Historic free status	
5.4. ☒ Targeted surveillance	Five years of surveillance for Compartments 1,3,4,5 and 6 are detailed in Annex I.
6. General information	
6.1. Competent authority	The duties and powers of the competent authority are as outlined in SI No 261 of 2008. All staff employed in the execution of these duties are fully trained and competent to carry out the role which has been assigned to them.
6.2. Organisation, supervision of all stakeholders involved in the programme to achieve disease-free status	All Aquaculture Production Businesses in Ireland are under the supervision of the competent authority and have been authorised in accordance with Council Directive 2006/88/EC and SI No 261 of 2008. Details of how the Fish Health Regulations are implemented in Ireland is available on www.marine.ie/fishhealth
6.3. An overview of the structure of the aquaculture industry in Ireland including types of production and species kept.	This information is available on the Irish Aquaculture Register which is available on www.marine.ie/fishhealth The Irish shellfish industry produced approximately 9,000 tonnes of <i>C.gigas</i> in 2014, which had a market value of approximately €40,000,000
6.4. The notification to the competent authority of the suspicion and confirmation of the disease in question has been compulsory since when	While Oyster herpesvirus microvariant (OHV-1 μ Var) is not listed in Council Directive 2006/88/EC, a surveillance programme under Article 43 (National Measures) has been undertaken since 2010 (following the application of Commission Decision 2010/175/EC) and the disease has been notifiable since then.
6.5. Early detection system in place throughout the member state, enabling the competent authority to undertake effective disease investigation and reporting since when	The reporting of increased mortality has been mandatory in Ireland for more than 20 years, by virtue of the aquaculture licensing regime. Since 1 August 2008, the requirement to report increased mortality has been covered by the Fish Health Authorisation, which is held by each Aquaculture Production Business, under Directive 2006/88/EC. Specifically, and as relevant to this application, OsHV1-uvar is notifiable to the competent authority and reports of suspicion of infection are investigated immediately. This specific requirement has been in place since 2010. Ongoing training and support is also provided to fish

	health professionals, veterinarians and fisheries biologists in relation to the listed diseases, as well as creating an awareness of new and emerging disease threats.
6.6. Source of aquaculture animals of species susceptible to the disease in question entering in the Member State, zone or compartment for farming	All Pacific oysters entering surveillance areas in Ireland must be accompanied by a health certificate issued by the competent authority at the place of origin declaring the source of the animals to be oyster herpesvirus (OsHV-1 μ Var) free. During the surveillance programme, all movements of Pacific oysters into the relevant compartments were pre-notified to the competent authority and accompanied by appropriate health certification.
6.7. Guidelines on good hygiene practice	All Aquaculture Production Businesses in Ireland are authorised in accordance with Council Directive 2006/88/EC and are therefore managed in accordance with basic biosecurity principles. Each site has its own specific biosecurity plan which is devised with the operator, having regard to a general template provided by the competent authority.

7. Area covered

7.1. ☐ Member State	
7.2. ☐ Zone (entire water catchment area)	
7.3. ☐ Zone (part of water catchment area). Identify and describe the artificial or natural barrier that delimits the zone and justify its capability to prevent the upward migration of aquatic animals from the lower stretches of the water catchment area	
7.4. ☐ Zone (more than one water catchment area)	
7.5. ☐ Compartment independent of the surrounding health status	
Identify and describe for each farm the water supply	☐ Well, borehole or spring ☒ Water treatment plant inactivating the relevant pathogen
	This new farm (Compartment A) operates as a compartment which is independent of the health status of the surrounding waters given that it has UV treatment system on the inlet, the objective of which is to inactivate pathogens including OsHV-1uvar. Before it goes through a series of UV lamps each with an irradiation dose of 30mJ/cm ² , the water flows through a series of filters to remove organic material. The site has been authorised by the competent authority.
Identify and describe for each farm natural or artificial barriers and justify its capacity to prevent aquatic animals from entering each farm in a compartment from the surrounding	The farm is a land based site which pumps seawater ashore from Tralee Bay. The seawater is treated as described above using filtration followed by UV irradiation. There are no C.gigas in the bay from which the water supply to the hatchery originates.

area		
Identify and describe for each farm the protection against flooding and infiltration of water from the surrounding watercourses		The hatchery is located on land and sufficiently away from the high water mark to ensure it is not subject to flooding from the sea.
7.6. ☒ Compartment dependent on the surrounding health status		
☒ One epidemiological unit due to geographical localisation and distance from other farms / farming areas		This declaration covers five compartments dependant on the surrounding health status which have been covered by the pre-approved surveillance plan. A map of these compartments (1, 3, 4, 5 and 6) (plus the new compartment A referred to in Section 7.5 above) is included in Annex 2.
☒ All farms comprising the compartment fall within a common Biosecurity system		All farms which comprise each compartment are inspected annually by the official services and adhere to a common biosecurity plan which has been devised based on a template supplied by the Competent Authority.
8. Geographical demarcation		
8.1. Farms or mollusc farming areas covered (registration numbers and geographical situation)		All C.gigas producing farms in the following compartments: Compartment 1: Sheephaven Bay Compartment 3: Killala, Broadhaven and Blacksod bays Compartment 4: Streamstown Bay Compartment 5: Bertraghboy and Galway Bays Compartment 6: Poulmasharry Bay Compartment A: Tralee Bay Hatchery Details of operators in each compartment are outlined in Annex 2.
8.2. ☒ Non free buffer zone	Geographical demarcation	In the case of the compartments outlined above, the buffer zone is the part of the coastline detailed in Annex 3
	Farms or mollusc farming areas covered (registration numbers, geographical situation and health status)	There are no farms located in the buffer zones
	Type of health surveillance	N/A
8.3. ☒ Non-free zones or compartments	Geographical demarcation	All C.gigas growing bays in the country other than those which are the subject of this application and one other who remains free but is proximate to an infected area, have tested positive for OsHV-1uvar. All but two of these positive bays (Sligo and Kenmare) have experienced significant mortality in the early stages of production.

	Farms or mollusc farming areas covered (registration numbers, geographical situation and health status)	The entire register of mollusc growing sites in Ireland is available on www/fishhealth.ie
8.4. ☐ Extension of disease-free zone to other member states	Geographical demarcation	N/A
8.5. ☐ Existing disease-free zones / compartments in the vicinity	Geographical demarcation	N/A
	Farms or mollusc farming areas covered (registration numbers, geographical situation and health status)	
9. Farms or mollusc farming areas which commence or recommence their activities		
9.1. ☒ New farm		See Section 7.5 above. Apart from being a compartment which is independent of the surrounding water, Compartment A is also a new farm.
9.2. ☐ Recommencing farm	☐ Health history of farm known to competent authority	
	☐ Not subject to animal health measures in respect of listed diseases	
	☐ Farm cleared, disinfected and as necessary fallowed	

ANNEX 1

Lab Results 2010

Farm or mollusc farming area ^(b)	Number of samplings	Number of Clinical inspections	Water temperature at sampling/inspection	Species at sampling	Species sampled	Number of animals sampled (total and by species)	Number of tests	Positive results of laboratorial examination	Positive results of clinical inspections
Compartment 1 with a sampling point at *Sheephaven	0	1	16-18°C		n/a	n/a	0	0	0
Compartment 3 with sampling points at Killala, Broadhaven	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 300	300	0	0
Compartment 4 with a sampling point at Streamstown	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 150 And <i>C. gigas</i> spat 30 pools of 30mg	180	0	0
Compartment 5 with sampling points at *Bertraghboy and Galway Bays	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 150 And <i>C. gigas</i> spat 30 pools of 30mg	180	0	0
Compartment 6 with a sampling point at Poulmasharry	1	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 150	150	0	0
Total									Total

*No stock in Sheephaven, Bertraghboy, and Blacksod

Lab Results 2011

Farm or mollusc farming area (b)	Number of samplings	Number of Clinical inspections	Water temperature at sampling/inspection	Species at sampling	Species sampled	Number of animals sampled (total and by species)	Number of tests	Positive results of laboratorial examination	Positive results of clinical inspections
Compartment 1 with a sampling point at *Sheephaven	0	1	16-18°C		n/a	n/a	0	0	0
Compartment 3 with sampling points at Killala, Broadhaven and *Blacksod	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 300	300	0	0
Compartment 4 with a sampling point at Streamstown	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 150 And <i>C. gigas</i> spat 30 pools of 30mg	180	0	0
Compartment 5 with sampling points at *Bertraghboy and Galway Bays	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 150 And <i>C. gigas</i> spat 30 pools of 30mg	180	0	0
Compartment 6 with a sampling point at Poulmasharry	1	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 150	150	0	0
Total									Total

*No stock in Sheephaven, Bertraghboy, and Blacksod

Lab Results 2012

Farm or mollusc farming area ^(b)	Number of samplings	Number of Clinical inspections	Water temperature at sampling/inspection	Species at sampling	Species sampled	Number of animals sampled (total and by species)	Number of tests	Positive results of laboratorial examination	Positive results of clinical inspections
Compartment 1 with a sampling point at *Sheephaven	0	1	16-18°C		n/a	n/a	0	0	0
Compartment 3 with sampling points at Killala, Broadhaven	2	1	16-18°C		C. gigas	C. gigas x 113*	113	0	0
Compartment 4 with a sampling point at Streamstown	2	1	16-18°C		C. gigas	C. gigas x 60 And C. gigas spat 30 pools of 30mg	90	0	0
Compartment 5 with sampling points at *Bertraghboy and Galway Bays	2	1	16-18°C		C. gigas	C. gigas x 60 And C. gigas spat 30 pools of 30mg	90	0	0
Compartment 6 with a sampling point at Poultnasharry	1	1	16-18°C		C. gigas	C. gigas x 60	60	0	0
Total								Total	

*No stock in Sheephaven, Bertraghboy, and Blacksod

*Only 53 oysters received from Broadhaven

Lab Results 2013

Farm or mollusc farming area (b)	Number of samplings	Number of Clinical inspections	Water temperature at sampling/inspection	Species at sampling	Species sampled	Number of animals sampled (total and by species)	Number of tests	Positive results of laboratorial examination	Positive results of clinical inspections
Compartment 1 with a sampling point at *Sheephaven	0	1	16-18°C		n/a	n/a	0	0	0
Compartment 3 with sampling points at Killala, *Broadhaven	1	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 30	30	0	0
Compartment 4 with a sampling point at Streamstown	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 60 (Hatchery & Bay)	60	0	0
Compartment 5 with sampling points at *Bertraghboy and Blacksod	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 60 (bay and hatchery) And <i>C. gigas</i> spat 30	90	0	0
Compartment 6 with a sampling point at Poulmasharry	1	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 30	30	0	0
Total									Total

*No stock in Sheephaven, Bertraghboy, Broadhaven and Blacksod

Lab Results 2014

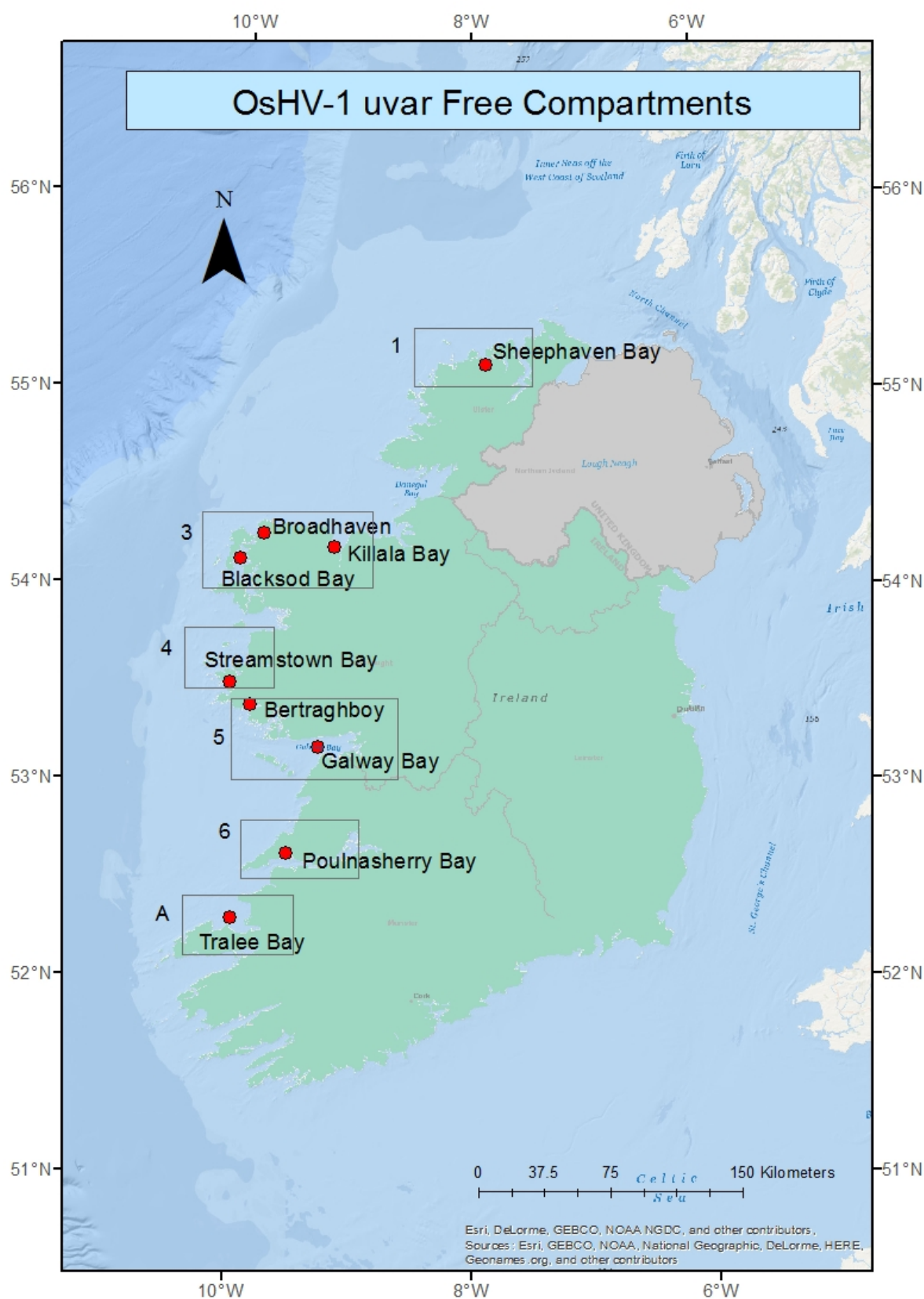
Farm or mollusc farming area (b)	Number of samplings	Number of Clinical inspections	Water temperature at sampling/inspection	Species at sampling	Species sampled	Number of animals sampled (total and by species)	Number of tests	Positive results of laboratorial examination	Positive results of clinical inspections
Compartment 1 with a sampling point at *Sheephaven	0	1	16-18°C		n/a	n/a	0	0	0
Compartment 3 with sampling points at Killala, *Broadhaven and *Blacksod	1	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 30	30	0	0
Compartment 4 with a sampling point at Streamstown	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 60 (Hatchery & Bay)	60	0	0
Compartment 5 with sampling points at *Bertraghboy and *	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 45 (bay and hatchery) And <i>C. gigas</i> spat 15	90	0	0
Compartment 6 with a sampling point at Poulmasharry	1	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 30	30	0	0
Total									Total

*No stock in Sheephaven, Bertraghboy, Broadhaven and Blacksod

Lab Results 2015

Farm or mollusc farming area (b)	Number of samplings	Number of Clinical inspections	Water temperature at sampling/inspection	Species at sampling	Species sampled	Number of animals sampled (total and by species)	Number of tests	Positive results of laboratorial examination	Positive results of clinical inspections
Compartment 1 with a sampling point at *Sheephaven	0	1	16-18°C		n/a	n/a	0	0	0
Compartment 3 with sampling points at Killala, Broadhaven and *Blacksod	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 60	60	0	0
Compartment 4 with a sampling point at Streamstown	1	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 30 (Stock spawned in hatchery in 2015 but recently moved to bay)	30	0	0
Compartment 5 with sampling points at *Bertraghboy and Galway Bays	2	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 180 (30 from bay and 150 from hatchery)	180	0	0
Compartment 6 with a sampling point at Poulmasharry	1	1	16-18°C		<i>C. gigas</i>	<i>C. gigas</i> x 30	30	0	0
Total									Total

*No stock in Sheephaven, Bertraghboy, and Blacksod

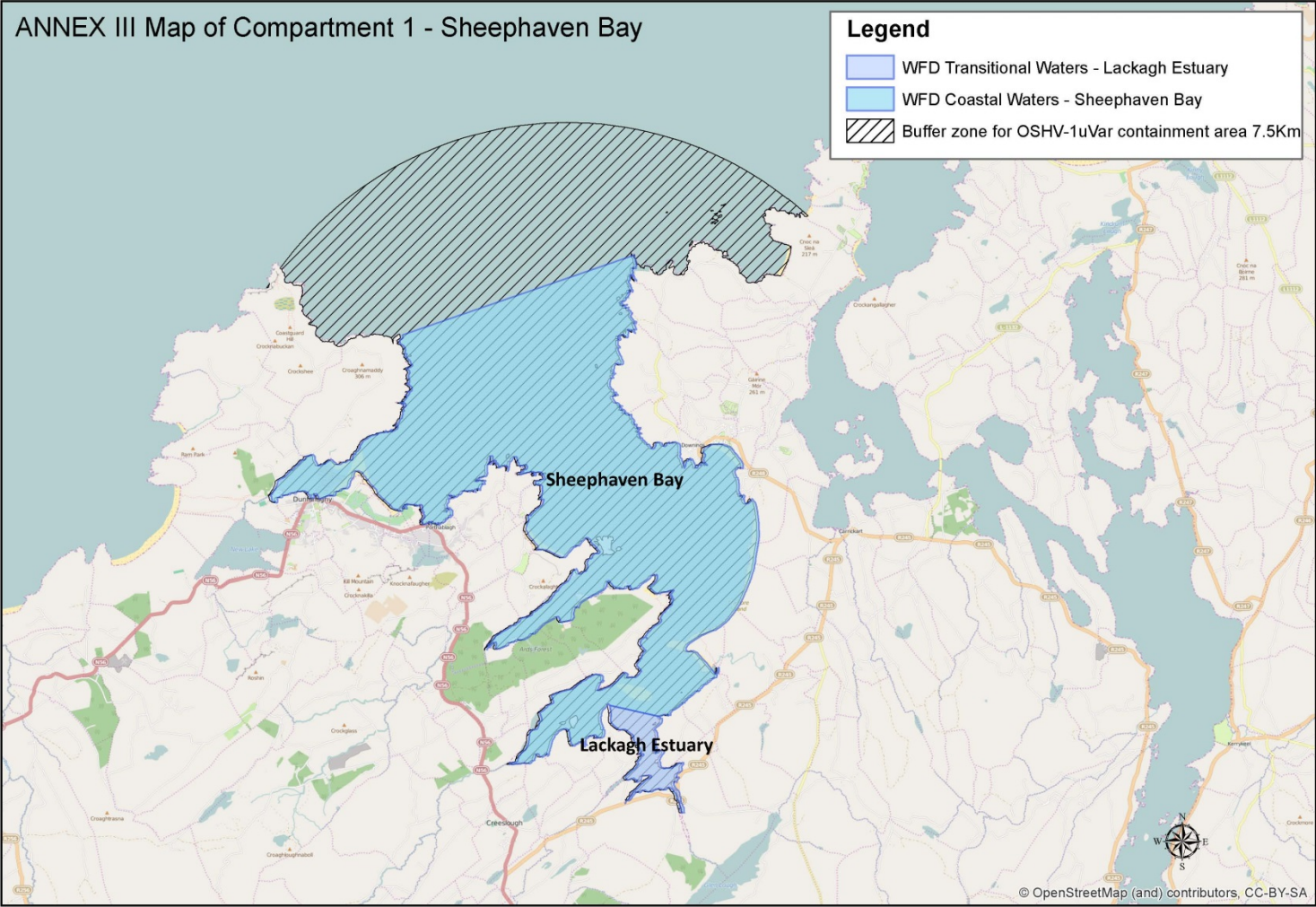


Details of the Aquaculture Production Businesses in each of the 6 compartments covered by the amended OsHV1-uvar Programme in Ireland.

Area covered		Farms and mollusc farming areas included		
Name of area covered	Compartment Number	Register number	Name	Geographical position or address
Sheephaven Bay	Compartment 1	498	Tairgi Mara Tirlachan Teo	Sheephaven Bay, Co. Donegal
Broadhaven	Compartment 3	328	Tony Mc Grath	Broadhaven, Co Mayo.
Killala Bay	Compartment 3	314	John Munnelly	Killala Bay, Co. Mayo
Streamstown Bay	Compartment 4	231	Boet Mor Seafoods	Streamstown Bay, Co Galway
Streamstown Bay	Compartment 4	237	Dooncastle Oysters	Doon, Streamstown Bay, Claddaghduff, Co Galway
Streamstown Bay	Compartment 4	242	Liam Allen & Alan Kelly	Streamstown Bay, Co Galway
Streamstown Bay	Compartment 4	256	Omey Oyster Co. Ltd	Streamstown Bay, Co. Galway
Streamstown Bay	Compartment 4	259	Ardagh Oysters Ltd	Streamstown Bay, Co. Galway
Streamstown Bay	Compartment 4	231	Boet Mor Seafoods	Streamstown Bay, Co Galway
Bertraghboy Bay	Compartment 5	258	Ronan Browne	Bertraghboy Bay, Co. Galway
Galway Bay	Compartment 5	236	Doorús Point Shellfish	Doorús Point, Moy Road, Kinvara, Co Galway
Galway Bay	Compartment 5	244	Mattie Larkin	Tyrone Bay, Killeenaran, Co Galway
Galway Bay	Compartment 5	248	Keane Seafoods Ltd	Mweeloon Bay, Co Galway
Galway Bay	Compartment 5	252	Maree Oysters Ltd	Curradhuff, Maree, Clarinbridge, Co. Galway
Galway Bay	Compartment 5	255	Rainer Krause & David Krause	Kinvara Bay, Co. Galway
Galway Bay	Compartment 5	479	De Burca Oysters	Lackanaloy, Mweeloon Bay & Prospect Hill, Maree Co Galway
Galway Bay	Compartment 5	123	Burren Bay Shellfish Ltd	Muckinish Bay, New Quay, Burrin, Co. Clare
Galway Bay	Compartment 5	122	Cartron Point Shellfish Ltd	The Hatchery, New Quay, Burrin, Co Clare
Galway Bay	Compartment 5	119	Dolphin Sea Farms Ltd	Poul-na-clough Bay, Muckinish East, Bell Harbour, Co. Clare
Galway Bay	Compartment 5	124	Clareaqua Ltd	Doirín Scanlans Island, Finavarra, Co. Clare
Galway Bay	Compartment 5	125	Pooldoody Aquaculture Ltd	Poul-na-clough Bay, Dooneen, Bell Harbour, Co. Clare

Galway Bay	Compartment 5	126	Feargal Langley (Bell Harbour)	Muckinish Bay, Co.Clare
Galway Bay	Compartment 5	501	Galway Shellfish Ltd	Island Eddy 01, Kilcolgan, Co. Galway
Galway Bay	Compartment 5	502	Clarinbridge Oyster Co- operative Society Ltd	Clarinbridge Oyster Fishery & St George Oyster Fishery, Co. Galway
Galway Bay	Compartment 5	121	Redbank Shellfish	Aughanish Bay, Redbank, New Quay, Co. Clare
Galway Bay	Compartment 5	249	Michael Kelly Shellfish Ltd	Purification & Dispatch Centre, Tyrone, Kilcolgan, Co. Galway
Poulnasherry Bay	Compartment 6	118	Moveen Shellfish	Camoige Point & Poulnasherry Bay,, Clarefield, Co. Clare
Poulnasherry Bay	Compartment 6	120	Hugh Sheehy	Camogue Point & Poulnasherry Bay, Kilrush, Co. Clare
Poulnasherry Bay	Compartment 6	128	Shannon Oysters	Poulnasherry Bay (Areas N,I&C) Co. Clare
Poulnasherry Bay	Compartment 6	129	Thomas Blunnie	Poulnasherry Bay, Kilrush, Co. Clare
Poulnasherry Bay	Compartment 6	476	Moyasta Shellfish	Camogue Point & Poulnasherry Bay, Kilrush, Co. Clare
Poulnasherry Bay	Compartment 6	503	Michael McMahon	Poulnasherry Bay, Kilrush, Co. Clare
Poulnasherry Bay	Compartment 6	268	Glen & Mary Driver	Poulnasherry Bay, Moyasta, Co. Clare
Poulnasherry Bay	Compartment 6	550	Goleen Shellfish Ltd	Poulnasherry Bay, Kilrush, Co. Clare
Tralee Bay	Compartment A	594	Tralee Bay Hatchery Ltd	The Ponds, Kilshannig, Castlegregory, Co. Kerry

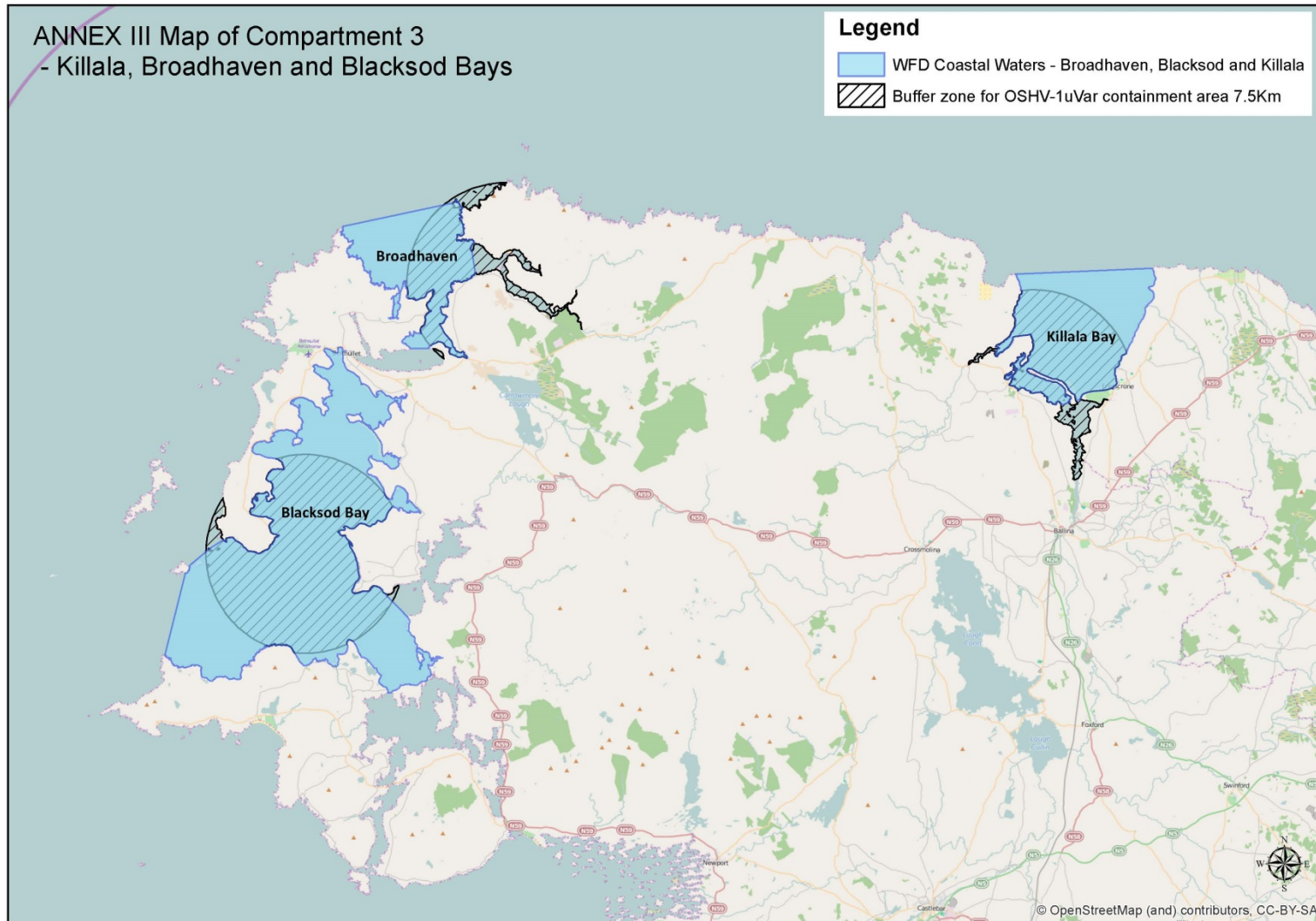
ANNE X 3



ANNEX III Map of Compartment 3
- Killala, Broadhaven and Blacksod Bays

Legend

-  WFD Coastal Waters - Broadhaven, Blacksod and Killala
-  Buffer zone for OSHV-1uVar containment area 7.5Km



ANNEX III of Compartment 5 - Bertraghboy and Galway Bays

Legend

- Buffer zone for OSHV-1uVar containment area 7.5Km
- WFD Coastal Waters Galway Bay

The map displays the coastal waters of Bertraghboy Bay and Galway Bay. A buffer zone for the OSHV-1uVar containment area, extending 7.5 km, is indicated by a hatched pattern. The WFD Coastal Waters for Galway Bay are shown in light blue. The map includes various geographical features such as islands (Leitr Mór, Garryna), forests (Derraura Forest, Foras Sheanach Phiaráin), and towns (Clifden, Oughterard, Galway, Lisdowry). A compass rose is located in the bottom left corner.

Legend

-  Buffer zone for OSHV-1uVar containment area 7.5Km
 WFD Coastal Waters Galway Bay

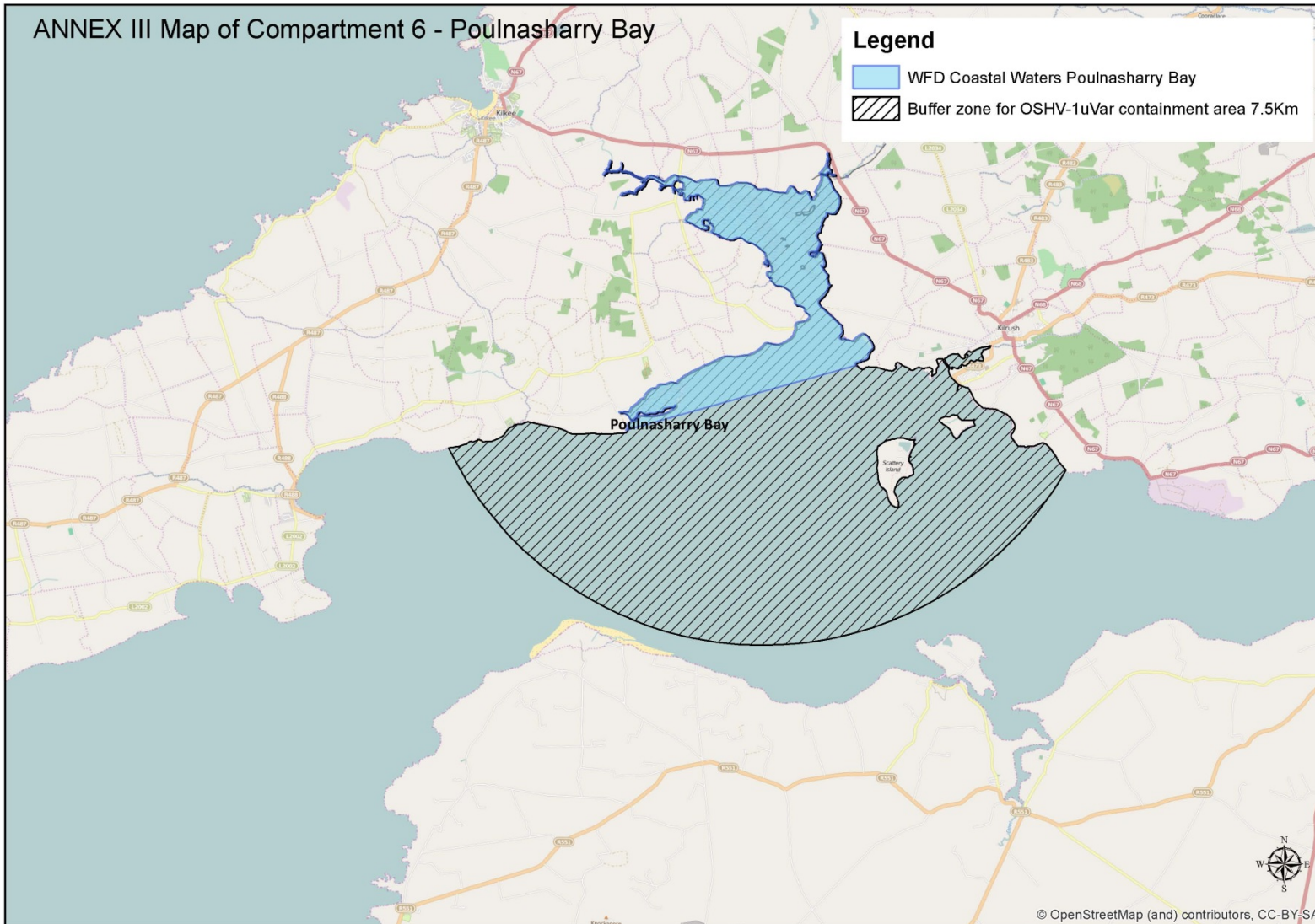


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ANNEX III Map of Compartment 6 - Poulnisharry Bay

Legend

- WFD Coastal Waters Poulnisharry Bay
- Buffer zone for OSHV-1uVar containment area 7.5Km



ANNEX III Map of Compartment A - Tralee Bay

Legend

- Tralee Hatchery
- Buffer zone for OSHV-1uVar containment area 7.5Km
- Tralee Bay WFD Transitional Waters
- Tralee Bay WFD Coastal Waters

The map displays the geographical layout of Tralee Bay, including the hatchery, the 7.5km buffer zone, and the WFD transitional and coastal waters. Key locations labeled include Southwestern Atlantic Seaboard (HA 23), Outer Tralee Bay, Brandon Bay, Inner Tralee Bay, and Lee K Estuary. The map also shows the surrounding land area with roads and settlements.

Legend

-  Tralee Hatchery
 Buffer zone for OSHV-1uVar containment area 7.5Km
 Tralee Bay WFD Transitional Waters
 Tralee Bay WFD Coastal Waters

Southwestern Atlantic Seaboard (HA 23)

Outer Tralee Bay

Brandon Bay

Inner Tralee Bay

Lee K Estuary



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