

**FOI Request Reference: FOI/0040/2007 File Held by Fish Health Unit,  
Marine Institute**

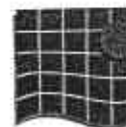
**Schedule of Records: Summary of Decision Making**

Requesting records re. salmon and finfish farming in Lough Swilly.

<b>Page No.</b>	<b>Brief Description of record</b>	<b>Date of record</b>	<b>Grant/ refuse/ part-grant</b>	<b>Basis of Refusal: Section of Act</b>	<b>Record edited/Identify deletions</b>
1 – 2	e-mails between DCMNR , Marine Institute and Marine Harvest	26/9/06	Grant	-	-
3	e-mail from Frank McKiernan to Fiona Geoghegan, MI	6/10/06	Grant	-	-
4 – 10	Fish farm Inspection report with report of post mortem	31/5/06	Grant	-	-
11 – 13	Veterinary Report	22/9/05	Grant	-	-
14	E mails	27/9/05	Grant	-	-
15	Hand written notes	Undated	Grant	-	-
16 – 22	Fish farm inspection Report	3/10/05	Grant	-	-
23	Stock Report	25/5/06	Grant	-	-
24	Stock report	17/6/05	Grant	-	-
25 – 31	Fish farm Inspection report with report of post mortem	18/5/05	Grant	-	-
32 – 33	Letter from Marine Institute to Marine harvest	10/11/06	Grant	-	-

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Ms. Catherine Mc Manus,  
 Marine Harvest Ireland,  
 Kindrum,  
 Fanad,  
 Letterkenny,  
 Co. Donegal



*Marine Institute*  
 Foras na Mara

Date: 10<sup>th</sup> November 2006

### HEALTH CHECK

Ref: F3223/06                      Site: Lough Swilly  
 Date / Time Sampled:            03-10-06, 09:30am  
 Date Received:                    04-10-06  
 Sample Details:                    2 x pools of 3 Salmon

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### VIROLOGY

Date/Time Processed: 04<sup>th</sup> November 2006, 12.20pm  
 Following virological testing using BF2 and EPC cell lines (Test Method Reference FHU-65), the sample of salmon submitted to the Fish Health Unit was shown to be negative for IHN and VHS viruses.

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Following virological testing using BF2 and EPC cell lines, both samples submitted to the Fish Health Unit were shown to be positive for the IPN virus.

website: [www.marine.ie](http://www.marine.ie)

### HISTOLOGY

*History:* Lough Swilly C16 & C6, S1 salmon, IPN check. 6 fish sampled.  
*Histology:* Fish 1: foci of moderate lamellar fusion were apparent in the gills. Early pancreatic acinar necrosis was apparent with no inflammatory infiltration yet seen. Necrosis of caecal mucosa (enterocytes) was apparent at a level much greater than might be expected through apoptosis. Some hyperchromasia was noted in the liver. The kidney was normal.  
 Fish2: No significant findings.  
 Fish 3: No significant findings (occasional distal tip hyperplasia in secondary lamellae of gills) Fish 4: Karyorhexis in enterocytes and occasional pyknosis, pancreas clear. Some epithelial lifting and occasional distal tip hyperplasia in secondary lamellae of gills.  
 Fish 5: No significant findings. Gill hyperplasia with entrapped organic material visible

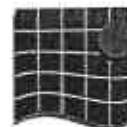


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Fish 6: Eye: retrobulbar fibrous inflammation, with apparent corneal rupture and internal reflection of the free edges. The free edges appeared massively thickened, though were relatively acellular. This probably represented a hypertrophic / hyperplastic reaction. Otherwise no significant findings.

*Interpretation of findings:* fish one did exhibit clear pancreatic and (caecal) mucosal necrosis although it would appear to be at an early stage. None was seen in the kidney and liver, although the liver did have deep staining cells that may be an early response to infection. None of the other fish had obvious signs, and only fish 4 had any sort of internal pathology, namely changes in the mucosa of the caecae. The gills were moderately affected with some algal debris or organic debris apparent in the thickened tissue of fish 5. The eye in fish 6 was traumatised, though little haemorrhage was seen behind the globe (retrobulbar). A chronic fibrous response and the thickened appearance of the cornea suggest a chronic event, perhaps over days or longer. No lens was present. There was no suggestion as to the aetiology.

Fish one did display signs consistent with early IPNV infection. Fish 4 may have also exhibited early signs though these were not so clear, and the pancreas did not appear affected on the section examined.

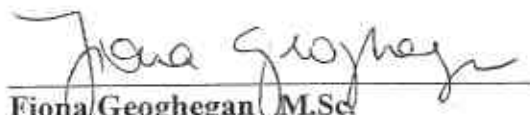


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 Fiona Geoghegan M.Sc  
 FHU Manager

Conditions:

1. This report relates only to the samples tested by the laboratory
2. This report may be reproduced only in its entirety.



FISH FARM INSPECTION REPORT

Farm:- Marine Harvest Ltd.  
 Address:- Tannery, Keshindrum Co. Donegal.  
 Lab. Ref. No.:- F  
 Site:- Swilly  
 Main Activity:- Oystering  
 Inspector: [Signature]  
 Date:- 18-5-05  
 Tel.:- Fax:- 074-9159071  
 Contact Name:- Joe / Sean / Eugene  
 Fish Species:- Salmon

License details

Licensed:-	License No.
Under Review Y/N	License Applied for -

Site	Species	Licensed Production	Actual Population/ Nos.
Swilly	SAL.		707,000

Site information

Water Supply :-  
 Spring Y/N Stream Y/N  
 Bore Hole Y/N River/ Catchment:-  
 Temperature:- °C  
 Type of Site:-  
 L. Swilly Marine

Current Stocks	Type Cages/Tanks	Number Cages/Tanks	Number Empty
See stock sheet	Aquaria	37	?
I was unable to visit this site due to family problems so found a local fisherman			

Broodstock

	Number	Mortality	Disease
Female		Y/N	
Male		Y/N	

Details / Reason For Mort.

FISH FARM INSPECTION REPORT

Part I

Main activity	Annual Production		Ann. Produ	
	Species	Tonnes	Species	Tonnes
Fry Production			Ongrowing	92 Lms -
Ova Production			Restocking	
Parr Production			Table Product.	
Smolt Production				

Movements  
 Permits in use:- Y/N                      Permits available for inspection:- Y/N

From	Transfer To	Age & Species	Number of Fish	Associated Mortalities Y/N & Nos.	Date
Shank	Grate	04 Si	?	-	Jan/20

Following:-	Reason		Harvesting:-	Date	Tonnes	Associat Mort
	From	To				
Y/N		ND				

Chemicals and Treatments in use/ or used prior to harvesting on farm.

ANTIBIOTICS	DISINFECTANTS	INSECTICIDES	VACCINES	CHEMICALS
Amoxycillin Tri Hyd.	Buffodine	Cypermethrin	Biojec 1500	Formalin
Metasul	Chloramine T	Ivermectin	Biojec 1800	Malach.Green
Oxolinic Acid	Copper sulphate	Nuvan	AVL	
Oxytetracycline	iosan (Vanodine)			
Sulfatrim	Roccal			
	Sodium Hydroxide			
Product/ Quantity	Reason for use	Result		Date



FISH FARM INSPECTION REPORT

Lab. Ref. No.:-

Future plans

Lined area for writing future plans.

Additional Notes

Routine Testing Body:-

Lined area for writing additional notes.

