

Case No:	2018-0326	Date of visit:	07/08/2018
Time spent on site:	3.5 Hrs	Main Inspector:	WJM
Site No:	FS1091	Site Name:	Vacasay
Business No:	FB0169	Business Name:	The Scottish Salmon Company
Case Types:	1 REG	2 CNI	3 SLI
	4 VMD	5	6
Water Temp (°C):	14.6	Thermometer No:	T274
		FHI 045 completed	
Observations:	Region: WI	Water type: S	CoGP MA: W-1
Dead/weak/abnormally behaving fish present?	<input type="checkbox"/> Y	If yes, see additional information/clinical score sheet.	
Clinical signs of disease observed?	<input type="checkbox"/> Y	If yes, see additional information/clinical score sheet.	
Gross pathology observed?	<input type="checkbox"/> N	If yes, see additional information/clinical score sheet.	
Diagnostic samples taken?	<input type="checkbox"/> N		
UNI/REG only - if unable to carry out intended visit detail reason below:			
Water temperature above 14oC			

Additional Case Information:

Mortality levels have remained low since input of stock.

Sea lice levels fluctuating from week to week but numbers have been reported.

White heads observed in pens from sea lice. Some fish appeared lethargic but no gross pathology observed on fish sampled for VMD.

Full EC inspection could not be conducted as water temperature on site was found to be above 14oC. Paperwork for full EC inspection was completed. Inspection will be rearranged for a later date.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

1. Business/site details summary checked by site representative?
 2. Changes made to details?

Site Details

Total No facilities	<input type="text" value="12"/>	Facilities stocked	<input type="text" value="11"/>	No facilities inspected	<input type="text" value="12"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>			
Age group	<input type="text" value="2017 S1"/>				
No Fish	<input type="text" value="313,247"/>	<input type="text" value="15,627"/>			
Mean Fish Wt	<input type="text" value="3 Kg"/>	<input type="text" value="unknown"/>			
Next Fallow Date (Site)	<input type="text" value="OCTOBER 2018"/>		Next Input Date (Site)	<input type="text" value="OCTOBER 2019"/>	

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 If yes, detail:

Movement Records

1. Movement records available for inspection?
 2. Date of last inspection:
 3. Are records complete and correctly entered?
 4. Are movement records available for dead fish and waste?
 5. Are records complete and correctly entered?
 6. Are health certificates for introductions (outwith GB) available?

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?
 If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection?
 2. How are mortalities disposed of?
 If other detail:
 3. Mortality records complete and correctly entered?
 4. Recent mortality (last 4 wks):
 5. Evidence of recent increased/atypical mortalities?
 If yes, facility nos/no mortality per facility/no stock per facility/reason:
 6. Any other peaks in mortality during period checked?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	Y
If yes, detail:	T.M.S.	
If other, detail:		
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	Y
5. If yes, what treatment(s)?	T.M.S.	
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?	<input type="checkbox"/>	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	<input type="checkbox"/>	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	<input type="checkbox"/>	Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	<input type="checkbox"/>	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>	Y
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>	Y
If no, detail:		

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	N
If yes, detail (if not detailed under recent disease problems).		

Records checked between:

Case no: Site No: Date of visit/
Sampling:

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

	Pool/Fish No												
	Fish nos	1	2										
	Pool Group												
Stock Details	Species	SAL	SAL										
	Average weight	3.0000	3.0000										
	Sex	N/A	N/A										
	Water Type	SW	SW										
	Stock Origin	Taranaish	Taranaish										
	Facility No	1	12										

Case Number:	2018-0326	Site No:	FS1091	Insp:	WJM	
Date of Visit	07/08/2018	No of movements/supp./dest.			Score	
Live fish movements		0	1-5	6-10	>10	
Movements on (from out with GB) of susceptible species	Frequency of movements on from equivalent MS	0	5	10	14	0
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	0
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	10
	Number of destinations	0	3	6	10	3
Exposure via water	Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species susceptible to same diseases)	Farm is protected (secure water supply through disinfection or borehole)	0				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		2
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion	1	3	6		
	Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion	1	4	8		
Management practices		None	Secure	Unsecure		
Water contacts with processors	Any processing plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm processing	0				0
	Processing own fish (re-cycling risk)	1				
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				
	Common processes with other farms	3				3
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
Biosecurity	Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating from single shorebase	0	1	2		1
	Sites sharing staff and equipment	0	1	2		1
Disinfection of equipment between sites, use of footbaths etc	Yes	0				0
	No	1				
CoGP/Regulator						
Practices in accordance with regulator or industry code of practice	Yes	0				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
Total Rank					20	MEDIUM

Case No: **2018-0326**

Site No: **FS1091**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
- 13. Are treatments, where conducted, carried out in cooperation between participating farms?
- 14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

A.D.D., M.M.L., Seal Blinds, Tensioned Nets, Top Nets

If other, detail below:

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?

If Yes proceed with questions 4 – 9. If No skip to question 10

- 4. Have these been reported to Scottish Ministers?

- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)

- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)

- 7. Were methods (if any) used to recover escapees? If yes give detail

- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)

- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)

- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0326

Site No: FS1091

Date of Visit: 07/08/2018

Inspector: WJM

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

Site No: FS1091

Case No: 2018-0326

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	07/08/2018
SITE No	FS1091	SITE NAME	Vacasay
INSPECTOR	[REDACTED]	CASE No	20180326

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

All epidemiological units were inspected. However, a full EC inspection could not be completed as the water temperature was found to be above 14 degrees C. This site will be inspected at a later date.

Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. The category of the site will be reassessed on a routine basis and updated as required.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Records in relation to aquaculture animals transported by the business were inspected and found to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

R10

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

Please contact myself or the duty inspector should you require any further information or have any queries regarding this report.

Signed:



Date: 28/08/2018

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Case No: 2018-0429 Date of visit: 05/09/2018

Time spent on site: 5.5 hours Main Inspector: ALW

Site No: FS1091 Site Name: Vacasay

Business No: FB0169 Business Name: The Scottish Salmon Company

Case Types: 1 REP 2 REG 3 SLI 4 DIA 5 6

Water Temp (°C): 14 Thermometer No: T148 FHI 045 completed

Observations: Region: WI Water type: S CoGP MA: W-1

Dead/weak/abnormally behaving fish present? Y If yes, see additional information/clinical score sheet.

Clinical signs of disease observed? Y If yes, see additional information/clinical score sheet.

Gross pathology observed? Y If yes, see additional information/clinical score sheet.

Diagnostic samples taken? Y

UNI/REG only - if unable to carry out intended visit detail reason below:

Additional Case Information:

Accompanied APHA staff on visit to site following report of potential welfare issues by member of the public.

Site is stocked with lumpsuckers and they had worked well at keeping lice numbers low until July. Sudden increase in lice numbers in mid July. Numbers of adult female leps rose above reporting level in week 29. Numbers peaked in week 34. Site was due treatment with hydrolicer that week, but was delayed due to weather. Numbers dropped significantly following week after treatment, but have started to rise again following quick resettlement of juvenile lice (4.65 average AFL from count at start of week).

Site has had strategic treatments with Slice in first year and Slice is currently being fed to stock in 6 cages (started on 4/9/18). Using the hydrolicer on the other 4 cages as these are going to be harvested (cages 1, 3, 5 and 11).

Hydrolicer has been used on site in May (strategic treatment), June, July (when numbers rose significantly), twice in August (weeks 32 and 35).

Inspected a number of cages on the site. Worst affected cage appeared to have ~100 fish with observable lice damage (white heads and a few with more significant damage). Numbers with lice damage were lower in other cages. Hydrolicer treatment being conducted on cage 5. Observed fish exiting the hydrolicer over dewaterer and no fish seen with observable lice damage. Also observed the crowded stock pre hydrolicer. A few fish seen with lice damage, but vast majority of the fish did not appear to have lice damage.

Most recent lice counts for weeks 34 and 35 had not yet been submitted to FHI, collected during visit. Mortality levels for week 35 were above mortality event reporting level and were reported during visit (within 7 days of end of reporting period so no further action).

Some of the stock will moved to Outer Eport next month for further on-growing before harvest.

Site specific lice management procedure in place and company taking action to reduce the lice numbers on the site with other options available such as bath treatments if required. Staff are removing fish with lice damage and culling humanely.

Fish removed from cages 3 and 10 during inspection and diagnostic samples taken from five of these fish.

Case No: **2018-0429** Site No: **FS1091**
 Date of Visit: **05/09/2018** Inspector(s): **ALW**

Registration/Authorisation Details

1. Business/site details summary checked by site representative? **Y**
 2. Changes made to details? **N**

Site Details

Total No facilities	12	Facilities stocked	10	No facilities inspected	12
Species	SAL	LUM			
Age group	2017 S1	Adult			
No Fish	270,847	9,522			
Mean Fish Wt	3.1Kg	40g			
Next Fallow Date (Site)	End October 2018		Next Input Date (Site)	March/April 2019	

Recent (last 4 wks) disease problems? **Y** Any escapes (since last visit)? **N**
 If yes, detail: **Gill health - AGD/PGD**

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **07/08/2018**
 3. Are records complete and correctly entered? **Y**
 4. Are movement records available for dead fish and waste? **Y**
 5. Are records complete and correctly entered? **Y**
 6. Are health certificates for introductions (outwith GB) available? **N/A**

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?
 If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Landfill at Whiteshore Cockles**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **wk 32 - 1,305 (0.42%), wk 33 - 1,397 (0.45%), wk 34 - 1,323 (0.43%), wk 35 - 7,516 (2.56%), wk 36 to date - 4,000 (1.46%) - total for period = 15,541 (4.96%)**
 5. Evidence of recent increased/atypical mortalities? **Y**
 If yes, facility nos/no mortality per facility/no stock per facility/reason: **wk 35 - Treatments with hydrolicer across site. Cage 4 - 1,469 (5.13%), Cage 6 - 1,264 (4.27%), cage 10 - 1,036 (3.56%)**
 6. Any other peaks in mortality during period checked? **N**
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **Y**

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>	Y
If yes, detail:	T.M.S., Slice	
If other, detail:		
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	Y
5. If yes, what treatment(s)?	T.M.S., Slice	
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?	<input type="checkbox"/>
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	<input type="checkbox"/>
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	<input type="checkbox"/>
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	<input type="checkbox"/>
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>
If no, detail:	

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	Y
If yes, detail (if not detailed under recent disease problems).	AGD Positive	

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Records checked between:

Case no: Site No: Date of visit/
Sampling:

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No	F1	F2	F3	F4	F5	P1							
Fish nos	1	2	3	4	5	1-5							
Pool Group	P1	P1	P1	P1	P1								
Species	SAL	SAL	SAL	SAL	SAL	SAL							
Average weight	3.1kg	3.1kg	3.1kg	3.1kg	3.1kg	3.1kg							
Sex	N/A	N/A	N/A	N/A	N/A	N/A							
Water Type	SW	SW	SW	SW	SW	SW							
Stock Details	Stock Origin	Amhuinnsuidhe (Langass)	Amhuinnsuidhe (Langass)	Amhuinnsuidhe (Langass)	Amhuinnsuidhe (Langass)	Barvas Hatchery (Carron)	Amhuinnsuidhe/Barvas						
	Facility No	3	3	3	3	10	3 & 10						

Case no: 2018-0429

Site No: FS1091

Method of killing: Anaesthetic

Date of visit: 05/09/2018

Inspector(s): ALW

Sheet Relevant: Y

S for strong presence: M for medium presence: W for weak presence

Fish Number		1	2	3	4	5				
Time sampled after death (if > 45 minutes)										
External Signs										
Behaviour	Moribund									
	Lethargic	M	M	M	M	M				
	Hanging vertical									
	Spiralling									
	Flashing									
	Loss of equilibrium									
Body	Dark									
	Distended abdomen									
	Anorexic									
	Scale Oedema									
Opercula	Shortened	S								
	Flared									
Haemorrhaging	Throat									
	Ventrum	M	M			M				
	Base of fins									
	Elsewhere									
Eyes	Exophthalmic									
	Enophthalmic (sunken)									
	Cataract									
	Haemorrhagic									
Gills	Pale									
	Zoned									
	Necrotic									
Lesions	Flank									
	Elsewhere									
Vent	Inflamed									
	Trailing faeces									
Lice Load	Estimate numbers	high	high	high	high	high				
Internal Signs										
Ascites	Clear									
	Bloody									
Oedema	In tissues									
Heart	Pale/anaemic									
	Granulomas									
	Deformed									
Liver	Petechial haem									
	Gross haem									
	Tissue breakdown									
	Enlarged									
	Colour number(s)									
	Granulomas									
	Lesions									
Pyloric caeca	Petechial haem									
	Tubules mauve									
	Lack of fat									
Spleen	Enlarged									
	Granulomas									
Gut	No food present									
	Yellow pseudo-faeces	M	M	M	M	M				
	External haem									
	Internal haem									
Body wall	Haemorrhaging									
Swim bladder	Haemorrhaging									
	Fluid filled									
Kidney	Swollen									
	Grey									
	Granular									
	Liquefied									
General	Parasites present									
	Anaemia									

Additional comments:

All fish had lice damage to the head area. Lice observed on all fish, mixture of Leps and Caligus.
F1 had physical damage to left opercula and gill filaments were damaged.
F1-5 gill damage - a few white patches, small amount of haemorrhaging and some damaged tips of filaments

Case No: **2018-0429**

Site No: **FS1091**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
- 13. Are treatments, where conducted, carried out in cooperation between participating farms?
- 14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)
- If other, detail below:
- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
- If Yes proceed with questions 4 – 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 7. Were methods (if any) used to recover escapees? If yes give detail
- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)
- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Site No: FS1091
Case No: 2018-0429
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	05/09/2018
SITE No	FS1091	SITE NAME	Vacasay
INSPECTOR	[REDACTED]	CASE No	20180429

Section 1: Summary

The above site was inspected, following a report of a potential welfare issue by a member of the public. A number of lethargic fish with high lice loads and physical damage to the head area due to lice were observed across the site. Five fish were removed for further examination and subsequent diagnostic sampling.

Histopathology examination revealed complex gill pathology with mild to moderate proliferative gill hyperplasia and presence of epitheliocystis. There was evidence of amoebic cells (agent of amoebic gill disease, AGD) and samples tested positive by QPCR for *Neoparamoeba perurans*, the causative agent of AGD. Some vascular damage also noted, potentially due to treatment effects or water borne insult.

Due to the gill health issues reported on site, samples were screened for salmon gill poxvirus, and *Paranucleospora theridion* (syn, *Desmozoon lepeophtherii*) by QPCR. Samples tested positive for both pathogens.

A sample tested positive for infectious pancreatic necrosis virus by QPCR, but there was no associated pathology.

Vibrio spp. were also isolated from the kidneys and gills. The level and purity of growth would not suggest that these bacteria were implicated in current fish morbidity.

Please contact myself or the duty inspector should you require any further information, have any queries regarding this report or if any problems develop.

Section 2: Case Detail

Observations

The above site was inspected, following a report of a potential welfare issue by a member of the public. The site was stocked with 270,847 2007 S1 Atlantic salmon at 3.1kg average weight and 9,522 adult lumpsuckers.

Mortality levels had been low over the preceding few weeks, but had risen in week 35 to 2.56% (7,516). The increase had been attributed to a treatment with a hydrolicer during week 35. Gill health issues had been noted on site and samples had tested positive for AGD.

A number of lethargic fish with high lice loads and physical damage on the head area due to lice were observed across the site. Five fish were removed for further examination and subsequent diagnostic sampling.

Fish 1, 2 and 5 had some haemorrhaging along the ventrum. Fish 1 to 5 had gill damage consisting of small amount of petechial haemorrhaging, white patches and damage to the gill tips. Fish 1 had a shortened opercula and the gill filaments were more severely damaged. All five fish had yellow pseudo-faeces internally.

Samples

Samples were collected from five fish according to the table below:

Fish number	Pool number	Facility number	Species	Stage	Origin
1-4	P1	3	Atlantic salmon	2017 S1	Amhuinnsuidhe
5	P1	10	Atlantic salmon	2017 S1	Barvas Hatchery

Results

Bacteriology: Kidney and gill material from fish 1 to 5 was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated

Vibrio spp. (kidney of fish 2, 3 and 5 and gills of fish 1 to 5)

Virology: Tissue samples were tested for segments of nucleic acid indicative of the presence of the pathogens specified below using real-time PCR (QPCR).

Infectious pancreatic necrosis virus (IPNV)

Pool Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
P1	15.35	38.04	37.07	38.56	POSITIVE

Salmon gill poxvirus

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	23.55	27.76	27.74	27.67	POSITIVE
F2	23.39	28.00	28.15	28.29	POSITIVE
F3	23.10	26.19	26.03	26.09	POSITIVE
F4	22.95	29.57	29.70	29.57	POSITIVE
F5	23.30	28.83	29.21	28.98	POSITIVE

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious salmon anaemia virus (ISAV), salmonid alphavirus (SAV) and viral haemorrhagic septicemia virus (VHSV).

Parasitology: Tissue samples were tested for segments of nucleic acid indicative of the presence of the parasites specified below using real-time PCR (QPCR).

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	23.55	34.65	34.99	34.83	POSITIVE
F2	23.39	34.98	34.52	35.06	POSITIVE
F3	23.10	31.31	31.32	31.43	POSITIVE
F4	22.95	32.86	32.98	32.76	POSITIVE
F5	23.30	33.19	33.44	33.53	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	23.55	36.13	35.71	35.52	POSITIVE
F2	23.39	37.38	38.15	38.23	POSITIVE
F3	23.10	34.03	34.20	34.44	POSITIVE
F4	22.95	32.60	32.94	32.79	POSITIVE
F5	23.30	36.49	36.92	36.82	POSITIVE

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from fish 1 to 5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Lamellar epithelial thickness and scatter lamellae with thrombi (F1, F3, F4, F5). One filament with focal interlamellar hyperplasia and fusion noted in F1. Mild to moderate multifocal interlamellar hyperplasia with spaces (lacunae) occasionally filled with cell debris (F2, F3, F4), epithelial spongiosis, chloride cell hypertrophy and displacement (F2) and prominent goblet cells noted in all fish. Occasional amoebic cells resembling *Neoparamoeba perurans* were noted in F2

and few basophilic epithelial inclusions (likely epitheliocystis) noted in F3, F4 & F5. Several scattered aneurysmal dilation/telangiectasia noted in F3, F4 & F5.

Skin & Muscle: Absence of epidermis (F1).

Heart: Occasional endocardial fibre thickness noted in atrium chamber (F5).

Gut and pyloric caeca: Some fibrous adhesions (F1), some sloughing noted in the hindgut of F1, F3, F4 & F5.

Pancreas: Within normal range.

Liver: Within normal range.

Kidney: Within normal range.

Spleen: Foci of cell necrosis and haemorrhage (F5).

Signed:

A black rectangular box redacting the signature of the Fish Health Inspector.

Date: 11/10/2018

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	05/09/2018
SITE No	FS1091	SITE NAME	Vacasay
INSPECTOR	[REDACTED]	CASE No	20180429

Inspection of site

The above site was inspected in conjunction with veterinary officers from the Animal and Plant Health Agency following a report of a potential welfare issue by a member of the public.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

- Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.
- Mortality records were inspected and found to be adequately maintained. Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.
- Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

The site was inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice). On this occasion, the average number of adult female *Lepeophtheirus salmonis* per fish had exceeded the suggested criteria for treatment as detailed in the Code of Good Practice. The operator of the site was taking appropriate measures to reduce the numbers of sea lice in accordance with the site specific lice management procedure.

The site was found to have had average number of adult female *Lepeophtheirus salmonis* per fish of 3 or above. The count from week 34 had not been reported to the Fish Health Inspectorate as part of the required measures to demonstrate that satisfactory measures are in place for the control of sea lice. Where the average adult female sea lice per fish count reaches 3 or above this

R10

must be reported to the Fish Health Inspectorate within seven days of the date of the count. Please ensure that future counts that exceed the reporting or intervention levels are reported to the Fish Health Inspectorate.

Samples were taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

A separate report will be issued by the Animal and Plant Health Agency.

Please contact myself or the duty inspector should you require any further information or have any queries regarding this report.

Signed:

A black rectangular box redacting the signature of the Fish Health Inspector.

Date: 11/09/2018

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter



T: +44 (0)131 244 2500 «Ext» F: +44 (0)131 244 0944
marinescotland@gov.scot

By Email only

██████████
The Scottish Salmon Company
1 Smithy lane
Lochgilphead
Argyll
PA31 8TA

Our ref: PROJ/7374

11 September 2018

Dear ██████████

ADVISORY LETTER REGARDING SEA LICE REGULATION

As you will be aware the Scottish aquaculture industry are required to have satisfactory measures in place for the prevention, control and reduction of parasites under Part 1 of the Aquaculture and Fisheries (Scotland) Act 2007.

The Scottish Salmon Company (FB0169) have submitted weekly counts for average adult female sea lice per fish at farm sites which are equal to or above the reporting level of 3.0. This data, where available, shows that the average adult female sea lice numbers per fish went above the intervention limit of ≥ 8.0 and although average female sea lice numbers per fish did reduce, they did not get below the Industry Code of Good Practice suggested criteria for treatment at the following site(s) within the specified time period:

- Vacasay (FS1091) during calendar weeks 33 – 36.

This has been recorded as a breach with regard to the current Scottish Government policy in relation to the production cycle of stock present on the site during 2018.

If The Scottish Salmon Company (FB0169) intend to continue to farm fish at the Vacasay (FS1091) site, they are advised to undertake a documented review, taking veterinary advice where necessary, of the current measures in place for the prevention, control and reduction of parasites throughout the complete production cycle at this site. This documented review should identify the specific actions, resources, husbandry decisions or options and logistics required to ensure that satisfactory measures are in place for the prevention, control and reduction of parasites under Part 1 of the Aquaculture and Fisheries (Scotland) Act 2007.

Further information regarding the regulation of sea lice in Scotland can be found at:
<http://www.gov.scot/Topics/marine/Publications/TopicSheets/tslist/sealicerregs>



Yours sincerely,

[Redacted signature]

[Redacted name]

Fish Health Inspector

(11)

██████████ (MARLAB)

From: MS FishHealth
Sent: 31 August 2018 16:34
To: ██████████ (MARLAB)
Subject: FW: OFFICIAL SENSITIVE - SSCo Vacasay

Hi ██████████

As nobody has expressed any interest in accompanying ██████████ to Vacasay, as on-call inspector you have been asked to go. I have requested a pool car and a ferry booking (see previous emails) and haven't heard anything back about either booking yet. If you need any help next week arranging anything (e.g. accommodation) let me know.

Thanks,

██████████

From: ██████████ (APHA) <██████████@apha.gsi.gov.uk>
Sent: 30 August 2018 16:21
To: MS FishHealth <MS.FishHealth@gov.scot>
Cc: ██████████ (APHA) <██████████@apha.gsi.gov.uk>
Subject: RE: OFFICIAL SENSITIVE - SSCo Vacasay

Hi ██████████

I have had a look at my calendar and I would be able to go over to Lewis on Tuesday 4th September for visit to site on Wednesday, if that is possible.


Regards

████████████████████

Veterinary Officer

APHA Inverness Field Services Office
Longman House
28 Longman Road
INVERNESS
IV1 1SF

T: ██████████
M: ██████████
F: ██████████
E: ██████████@apha.gsi.gov.uk

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From: MS.FishHealth@gov.scot [mailto:MS.FishHealth@gov.scot]
Sent: 30 August 2018 16:10
To: [REDACTED] (APHA) <[REDACTED]@apha.gsi.gov.uk>
Subject: RE: OFFICIAL SENSITIVE - SSCo Vacasay

Hi [REDACTED]

Thank you for your email. Our senior management team are all away from the office today at a meeting. I will speak to them first thing in the morning and get back to you.

Regards,

[REDACTED]

[REDACTED]
Senior Fish Health Inspector | Aquaculture & Fish Health
Marine Scotland - Science

Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

Tel: [REDACTED]
Fax: [REDACTED]
S/B: +44 (0)131 244 2500

E-mail: [REDACTED]@gov.scot
w: <http://www.gov.scot/Topics/marine>

From: [REDACTED] (APHA) <[REDACTED]@apha.gsi.gov.uk>
Sent: 30 August 2018 15:30
To: MS FishHealth <MS.FishHealth@gov.scot>
Cc: [REDACTED] (APHA) <[REDACTED]@apha.gsi.gov.uk>; [REDACTED] (APHA) <[REDACTED]@apha.gsi.gov.uk>
Subject: OFFICIAL SENSITIVE - SSCo Vacasay
Importance: High

Good afternoon


APHA received the attached welfare complaint today and from what I saw in the photos and video clip, the fish do have a heavy infestation of lice. I will be guided by your judgement as to the severity of the alleged welfare problem but I feel that a joint visit to the site would be a very good idea. Please contact me as soon as possible to arrange a convenient time to visit.

Kind regards

[REDACTED]
Veterinary Officer

APHA Inverness Field Services Office
Longman House
28 Longman Road
INVERNESS
IV1 1SF

T: [REDACTED]
M: [REDACTED]
F: [REDACTED]
E: [REDACTED]@apha.gsi.gov.uk

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Tha am post-d seo (agus faidhle neo ceanglan còmhla ris) dhan neach neo luchd-ainmichte a-mhàin. Chan eil e ccaidichte a chleachdadh ann an dòigh sam bith, a' toirt a-steach còraichean, foillseachadh neo sgaoileadh, gun chead. Ma 's e is gun d'fhuair sibh seo gun fhiosd', bu choir cur às dhan phost-d agus lethbhreac sam bith air an t-siostam agaibh agus fios a leigeil chun neach a sgaoil am post-d gun dàil. Dh'fhaodadh gum bi teachdaireachd sam bith bho Riaghaltas na h-Alba air a chlàradh neo air a sgrùdadh airson dearbhadh gu bheil an siostam ag obair gu h-èifeachdach neo airson adhbhar laghail eile. Dh'fhaodadh nach eil beachdan anns a' phost-d seo co-ionann ri beachdan Riaghaltas na h-Alba.

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3

[REDACTED] (MARLAB)

From: [REDACTED] (APHA) <[REDACTED]@apha.gsi.gov.uk>
Sent: 06 September 2018 18:09
To: [REDACTED] (MARLAB)
Subject: letter to Scottish Salmon
Attachments: WF78 Vacasay.pdf

Good afternoon [REDACTED]

Please find attached a copy of the brief letter that I sent to [REDACTED] to reassure the company that I have no welfare concerns.


Good to meet you and thank you for your help and answering all our questions.

[REDACTED]

Veterinary Officer

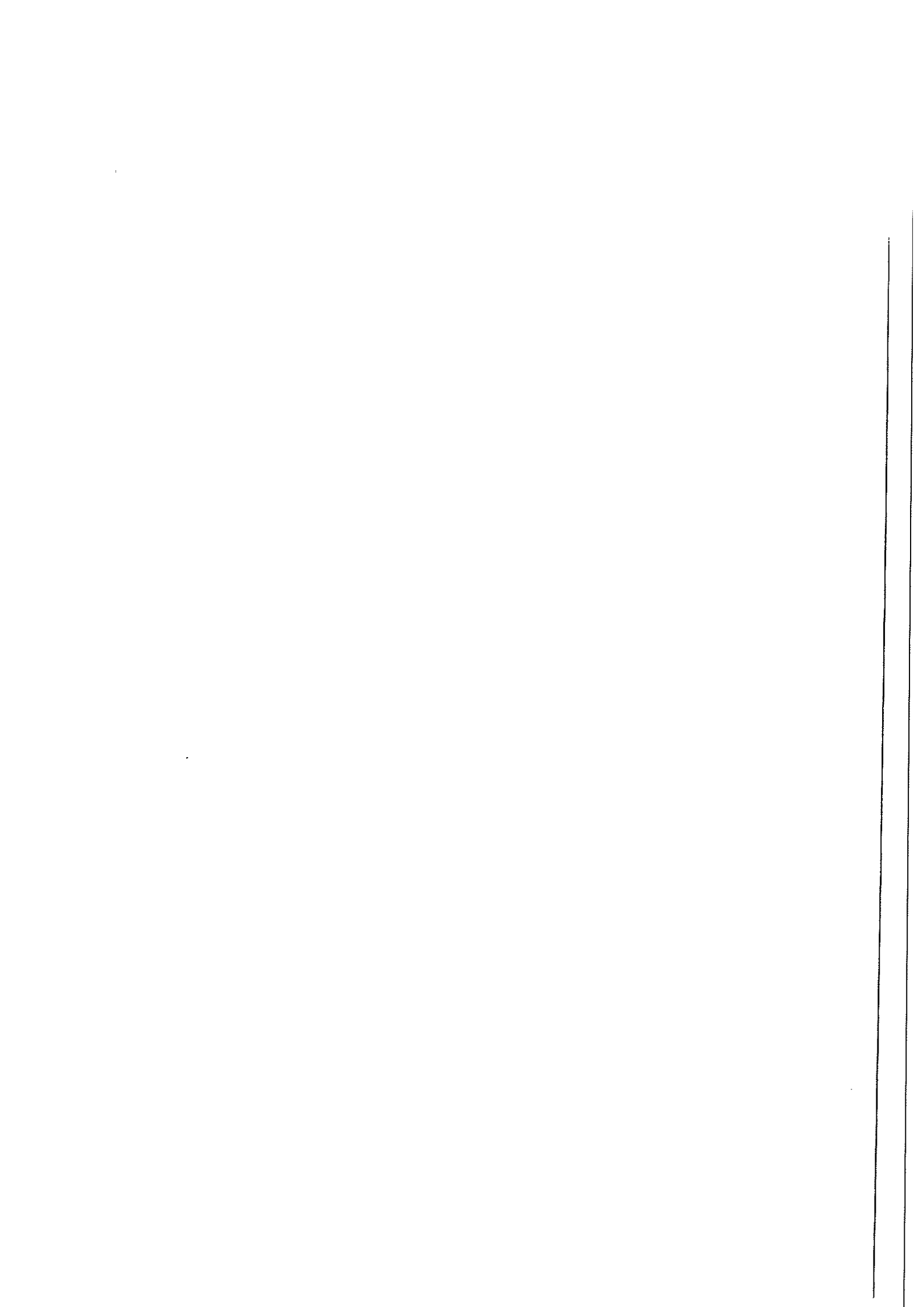
APHA Inverness Field Services Office
Longman House
28 Longman Road
INVERNESS
IV1 1SF

T: [REDACTED]
M: [REDACTED]
F: [REDACTED]
E: [REDACTED]@apha.gsi.gov.uk

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Animal &
Plant Health
Agency

Animal and Plant Health Agency
APHA Inverness
Longman house
28 Longman road
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IV1 1SF

Tel: 03000600709
Fax: 01463 711495
www.gov.uk/apha

██████████
Scottish Salmon Company
8 Melville Crescent
Edinburgh
EH3 7JA

6th September 2018

Dear ██████████

Animal Welfare Act 2006
Animal Health and Welfare (Scotland) Act 2006
The Welfare of Farmed Animals (Scotland) Regulations 2010
The Veterinary medicines Regulations 2013
The Animal By-Products (Enforcement) (Scotland) Regulations 2013
The Sheep & Goats (Records, Identification & Movement) (Scotland) Order
2009

Thank you for your time and cooperation during my visit to the Scottish Salmon sea site at Vacasay with my colleague ██████████ SVI and ██████████, FHI on Wednesday 5th September 2018. The visit was in response to an allegation of poor welfare. My findings and advised actions are listed as follows.

FINDINGS

1. The site records indicated that there was a sharp rise in the number of sea lice during week 29 and over the next 7 weeks 'Hydrolicer' treatment was given to all the stocked cages four times. The forth treatment was being undertaken during my visit and I was able to inspect the treated fish as they emerged from the treatment and the crowded fish awaiting treatment. Evidence of sea lice was seen on the untreated fish and some skin damage on a very low number of fish was seen.
2. I inspected cages where the fish had not yet had the forth treatment, had received treatment and cage 5 that was being treated during my visit. I am content that the measures being used to treat the infestation of sea lice at the Vacasay site are effective and with the health and welfare of the fish at the site.
3. The stocked cages all had about 950 Lump fish each and at the time of my visit, 5 cages were receiving in feed 'Slice'. You indicated that in addition bath treatments were planned to be used as part of the site's sea lice treatment plan.
4. Post mortem examination of five salmon revealed only skin lesions and some slight gill lesions. You will receive a full report from FHI once the samples have been analysed.

ACTIONS

The Animal and Plant Health Agency is an Executive Agency of the Department for Environment, Food and Rural Affairs working to safeguard animal and plant health for the benefit of people, the environment and the economy.

1. Continue with the current sea lice treatment strategy and please ensure that any seriously affected salmon or moribund fish are removed and euthanased humanely as soon as possible.

Thank you for your time and cooperation and if you have any queries please do not hesitate to contact me at the above address or [REDACTED] FHI.

Yours sincerely,

[REDACTED]
Veterinary Officer, Animal & Plant Health Agency
CC: [REDACTED] FHI

For APHA office use only – HM3

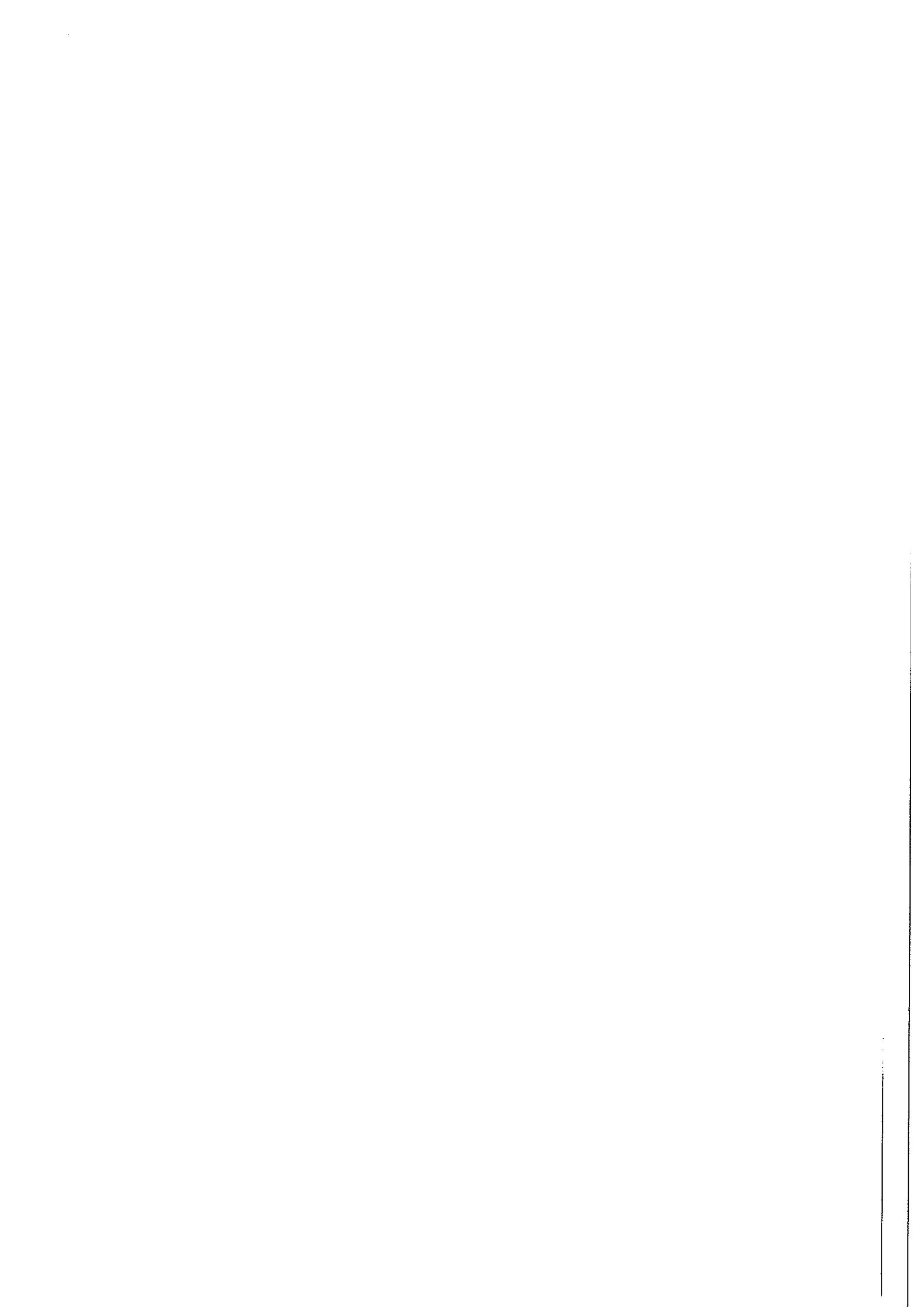
The Animal and Plant Health Agency is an Executive Agency of the Department for Environment, Food and Rural Affairs working to safeguard animal and plant health for the benefit of people, the environment and the economy.

WF78 (Rev. 12/14)

Signature:		WS No:		Location No:		1 st	RD	Ret
Date:		Unit No:		Facility No:		2 nd	CL	Enc

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WF78 (Rev. 12/14)



(6)

[REDACTED] (MARLAB)

From: [REDACTED] (MARLAB)
Sent: 19 September 2018 09:19
To: [REDACTED] (APHA)
Subject: Report for Vacasay
Attachments: 20180429_R10.pdf

Hi [REDACTED]

Hope you are keeping well and not too busy.

Here is a copy of the report from Vacasay. The diagnostic report will go out in due course once testing is complete.

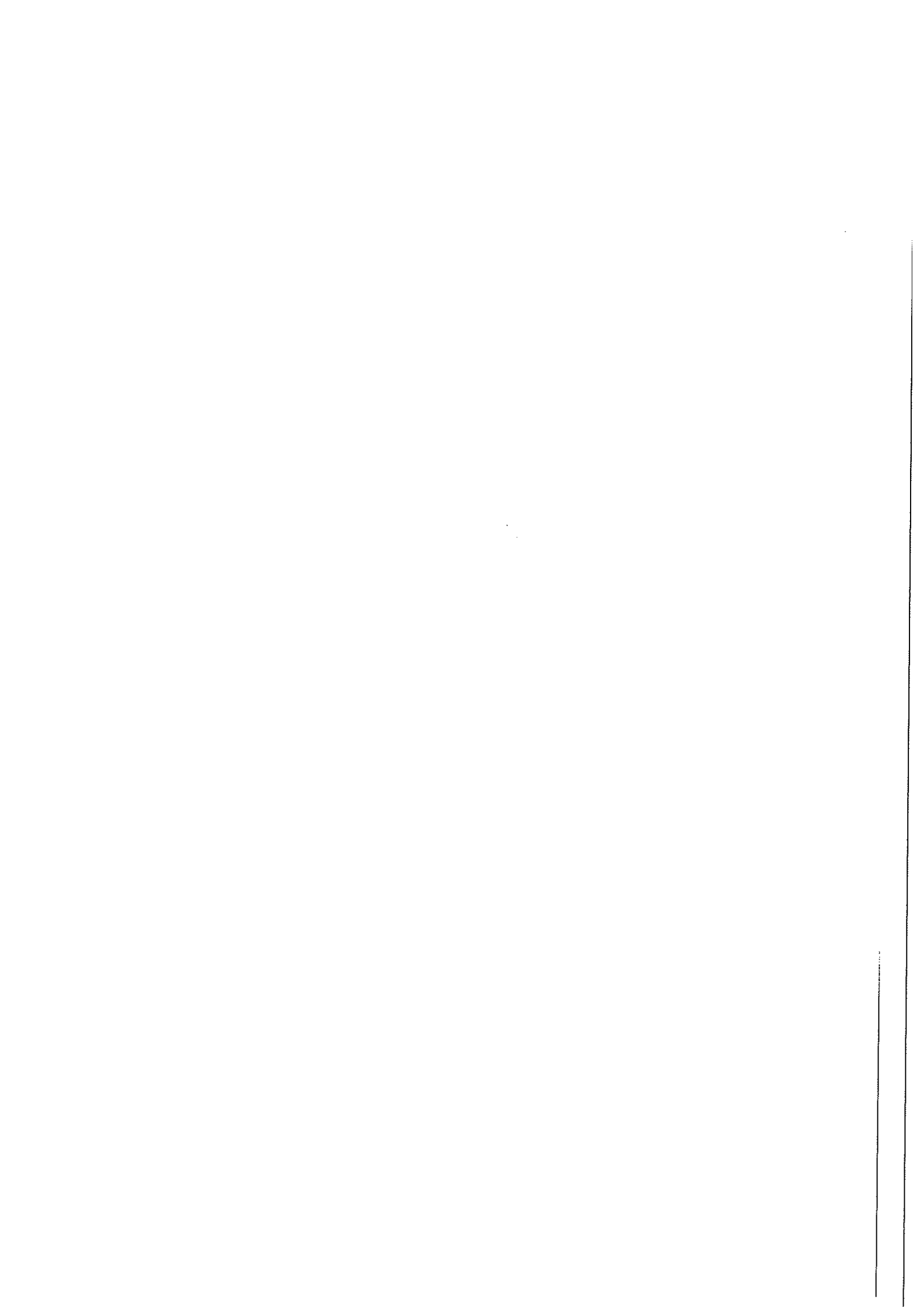
The report will be published in due course, but this report isn't for wider circulation at this point.

Thanks

[REDACTED]

[REDACTED]

Senior Fish Health Inspector
Marine Scotland Science
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen AB11 9DB
Tel: + [REDACTED]
Mob: [REDACTED]
Fax: [REDACTED]
S/B: +44 (0)131 244 2500
e: [REDACTED]@gov.scot
w: <http://www.gov.scot/Topics/marine>



7

[REDACTED] (MARLAB)

From: [REDACTED]@scottishsalmon.com>
Sent: 03 September 2018 16:15
To: [REDACTED] (MARLAB)
Subject: RE: Visit to Vacasay

Did the council get back on whether they were wanting to visit as well? What department was it that was interested?

[REDACTED]
Mobile: [REDACTED]

1 Smithy Lane, Lochgilphead,
Argyll, PA31 8TA
Tel: + [REDACTED]
Mob: [REDACTED]
www.scottishsalmon.com



The Scottish
Salmon Company
www.scottishsalmon.com

From: [REDACTED]@gov.scot [mailto:[REDACTED]@gov.scot]
Sent: 03 September 2018 16:06
To: [REDACTED]@scottishsalmon.com>
Subject: RE: Visit to Vacasay

Brilliant

Cheers

From: [REDACTED]@scottishsalmon.com>
Sent: 03 September 2018 16:03
To: [REDACTED] (MARLAB) <[REDACTED]@gov.scot>; [REDACTED]
<[REDACTED]@scottishsalmon.com>
Cc: [REDACTED]@scottishsalmon.com>
Subject: RE: Visit to Vacasay

Hi [REDACTED]

Thanks for this.

[REDACTED] is going to attend the site with you guys on Wednesday, so will meet you there on Wednesday morning ☺

Thanks

[REDACTED]
Mobile: [REDACTED]

1 Smithy Lane, Lochgilphead,
Argyll, PA31 8TA
Tel: [REDACTED]
Mob: [REDACTED]
www.scottishsalmon.com



The Scottish
Salmon Company
www.scottishsalmon.com

From: [REDACTED]@gov.scot [mailto:[REDACTED]@gov.scot]
Sent: 03 September 2018 16:01
To: [REDACTED]@scottishsalmon.com>; [REDACTED]@scottishsalmon.com>
Subject: Visit to Vacasay

Hi

Just to confirm visit to Vacasay with [REDACTED] and [REDACTED] from APHA on Wednesday 5 September at 0900.

I am not sure which paperwork the vets will wish to inspect, but I will require the following.

- Stock details (numbers/weights)
- Movement book including records for dead fish movements
- Mortality figures for week 32 to date (weekly)
- Any fish health reports since Warren's visit on 7 August
- Treatment details particularly sea lice treatments including physical
- Sea lice figures from week 32 to date
- Site specific sea lice action plan

Probably do the paperwork first before going out to site. Give me a call if you have any questions

Thanks

[REDACTED]
[REDACTED]
Senior Fish Health Inspector
Marine Scotland Science
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen AB11 9DB
Tel: + [REDACTED]
Mob: + [REDACTED]
Fax: + [REDACTED]
S/B: +44 (0)131 244 2500
e: [REDACTED]@gov.scot
w: <http://www.gov.scot/Topics/marine>

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sgaoileadh, gun chead. Ma 's e is gun d'fhuair sibh seo gun fhiosd', bu choir cur às dhan phost-d agus lethbhreac sam bith air an t-siostam agaibh agus fios a leigeil chun neach a sgaoil am post-d gun dàil. Dh'fhaodadh gum bi teachdaireachd sam bith bho Riaghaltas na h-Alba air a chlàradh neo air a sgrùdadh airson dearbhadh gu bheil an siostam ag obair gu h-èifeachdach neo airson adhbhar laghail eile. Dh'fhaodadh nach eil beachdan anns a' phost-d seo co-ionann ri beachdan Riaghaltas na h-Alba.

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(15)

[REDACTED] (MARLAB)

From: [REDACTED]@scottishsalmon.com>
Sent: 11 September 2018 14:39
To: [REDACTED] (MARLAB)
Subject: RE: results from Vacasay

Hiya,

That's grand thanks -- aye please send on the Ct values when you have them -- will be interesting to see if any IPN pathology or if just detected ☺

Hope things are quieter your end! What a hectic week last week -- we all felt a bit shellshocked by the end of it lol

[REDACTED]
Mobile: [REDACTED]

1 Smithy Lane, Lochgilphead,
Argyll, PA31 8TA
Tel: + [REDACTED]
Mob: [REDACTED]
www.scottishsalmon.com



From: [REDACTED]@gov.scot [mailto:[REDACTED]@gov.scot]
Sent: 11 September 2018 14:34
To: [REDACTED]@scottishsalmon.com>
Subject: results from Vacasay

Hi [REDACTED]

Hope things are a bit less busy for you, still trying to complete my presentation!

I have PCR results from Vacasay. Sampled 4 fish from pen 3 and 1 from pen 10

AGD, salmon gill poxvirus and Paranucleospora theridion -- 5/5
IPN -1/1
ISA, VHS, IHN and SAV -- 0/1

I don't have the CT values yet, but I'll send them on once they are through.

Cheers

[REDACTED]
[REDACTED]
Senior Fish Health Inspector
Marine Scotland Science
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen AB11 9DB
Tel: [REDACTED]
Mob: [REDACTED]
Fax: +44 (0)131 244 0944

S/B: +44 (0)131 244 2500
e: [REDACTED]@gov.scot
w: <http://www.gov.scot/Topics/marine>

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9

[REDACTED] (MARLAB)

From: [REDACTED]@scottishsalmon.com>
Sent: 13 September 2018 08:29
To: [REDACTED] (MARLAB)
Subject: RE: vacasay report

Right, ok dokes.

Thanks

[REDACTED]
Mobile: [REDACTED]

1 Smithy Lane, Lochgilphead,
Argyll, PA31 8TA
Tel: + [REDACTED]
Mob: [REDACTED]
www.scottishsalmon.com



The Scottish
Salmon Company
www.scottishsalmon.com

From: [REDACTED]@gov.scot [mailto:[REDACTED]@gov.scot]
Sent: 13 September 2018 08:28
To: [REDACTED]@scottishsalmon.com>
Subject: RE: vacasay report

We had week 32 and 33 from [REDACTED] but not 34 when it was 13.38 so it was just in relation to that count

From: [REDACTED]@scottishsalmon.com>
Sent: 13 September 2018 08:26
To: [REDACTED] (MARLAB) <[REDACTED]@gov.scot>
Subject: RE: vacasay report

Hi thanks for this.

The section on reporting lice counts though – week 32 – 34 were reported to [REDACTED] by [REDACTED]

[REDACTED]
Mobile: [REDACTED]

1 Smithy Lane, Lochgilphead,
Argyll, PA31 8TA
Tel: + [REDACTED]
Mob: [REDACTED]
www.scottishsalmon.com



**The Scottish
Salmon Company**
www.scottishsalmon.com

From: [REDACTED]@gov.scot [mailto:[REDACTED]@gov.scot]
Sent: 13 September 2018 08:23
To: [REDACTED]@scottishsalmon.com>
Subject: RE: vacasay report

Morning

Here is a copy of the report

Cheers

[REDACTED]
From: [REDACTED]@scottishsalmon.com>
Sent: 13 September 2018 08:19
To: [REDACTED] (MARLAB) <[REDACTED]@gov.scot>
Subject: vacasay report

Morning,

I haven't seen the Vacasay report come through to me – could you resend please?

Thanks

[REDACTED]
Mobile: [REDACTED]

1 Smithy Lane, Lochgilphead,
Argyll, PA31 8TA
Tel: + [REDACTED]
Mob: [REDACTED]
www.scottishsalmon.com



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[REDACTED] (MARLAB)

From: [REDACTED] (MARLAB)
Sent: 18 September 2018 08:47
To: [REDACTED]
Subject: FW: results from Vacasay

Morning!

I have the histo results from Vacasay

Histopathology examination revealed complex gill issues with mild to moderate proliferative gill hyperplasia, evidences of amoebic cells (agent of amoebic gill disease) and presence of epitheliocystis. Some vascular damage also noted (potentially treatment effects or water borne insult).

I'm still waiting for bacteriology, but should be finished soon.

I will get the reports done for Vacasay, Vulabeg and Outer Eport, but it will be the end of next week for the case review as a few lab staff are on holiday.

Cheers

[REDACTED]

From: [REDACTED] (MARLAB)
Sent: 11 September 2018 14:34
To: [REDACTED]@scottishsalmon.com>
Subject: results from Vacasay

Hi [REDACTED]

Hope things are a bit less busy for you, still trying to complete my presentation!

I have PCR results from Vacasay. Sampled 4 fish from pen 3 and 1 from pen 10

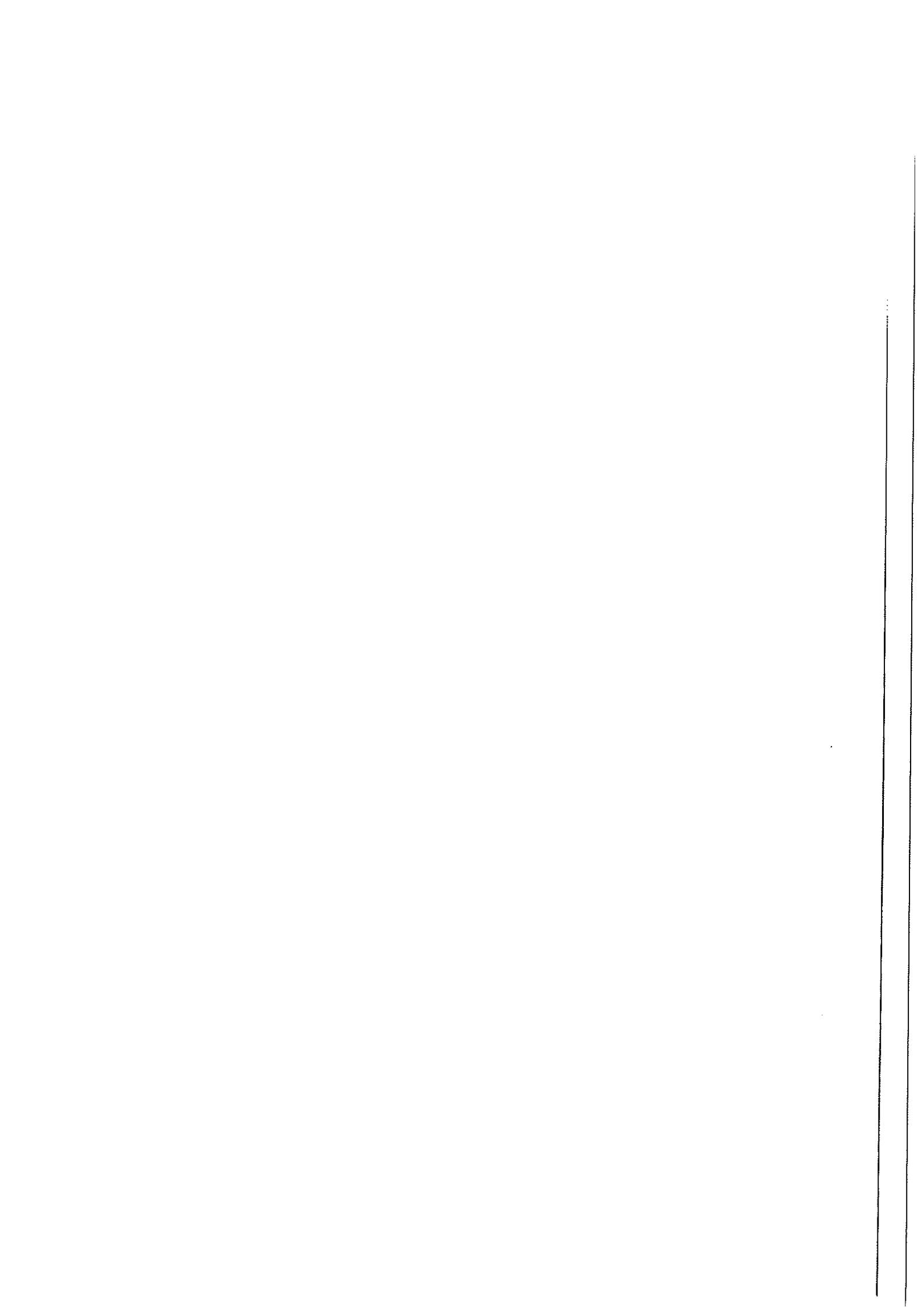
AGD, salmon gill poxvirus and Paranucleospora theridion – 5/5
IPN -1/1
ISA, VHS, IHN and SAV – 0/1

I don't have the CT values yet, but I'll send them on once they are through.

Cheers

[REDACTED]

[REDACTED]
Senior Fish Health Inspector
Marine Scotland Science
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen AB11 9DB
Tel: + [REDACTED]
Mob: + [REDACTED]
Fax: + [REDACTED]
S/B: +44 (0)131 244 2500
e: [REDACTED]@gov.scot
w: <http://www.gov.scot/Topics/marine>



(11)

██████████ (MARLAB)

From: ██████████ (MARLAB)
Sent: 02 November 2018 11:17
To: ██████████ (MARLAB)
Subject: FW: Response to Advisory Letters dated 11th and 19th September

Importance: High

Hi ██████████

In case ██████████ hasn't provided the message.

██████████

From: ██████████ (MARLAB)
Sent: 02 October 2018 12:14
To: '██████████@scottishsalmon.com' <██████████@scottishsalmon.com>
Cc: ██████████ (MARLAB) <██████████@gov.scot>; ██████████@scottishsalmon.com' <██████████@scottishsalmon.com>
Subject: FW: Response to Advisory Letters dated 11th and 19th September
Importance: High

Hi ██████████

Thank you for your email regarding the management of sea lice on the Scottish Salmon Company's salmon farms in Loch Roag, which received advisory letters. The additional information regarding the situation is very much appreciated.

The advisory letters have been issued in accordance with the current Scottish Government policy with regard to sea lice management on fish farms. The wording of the policy is interpreted as being applicable to four consecutive sea lice weekly counts. This allows the FHI to administer the policy within the boundaries of the information available, when the date of the count is not known, it may have been conducted over multiple days or there is significant delay in reporting. Any misunderstanding in how the policy is administered can be considered during the current sea lice policy review, with any required clarification in the policy wording being subsequently issued.

You will also note that beyond this four week period, enforcement action may be taken if sea lice levels do not continue to reduce to below 3.0. The information that the FHI currently hold regarding the Taranaish site (FS0752) indicates that during the calendar weeks 37, 38 and 39 the average adult female sea lice numbers per fish have been greater than 3.0 but less than 8.0. From the limited information available to the FHI we are unable to determine if the measures in place are adequate to prevent further enforcement action. Please provide the following information, with regard to the Taranaish site (FS0752):

- sea lice count data for calendar weeks 37, 38, 39 and 40 (if available);
- details of sea lice mitigation measures undertaken prior to and during this time period;
- details of sea lice mitigation measures scheduled to be undertaken at the site;

- details of the intended fallow date for the Taranaish site.

The FHI will review the information available in relation to the Taranaish site (FS0752) early in week 41 and determine whether an enforcement notice will be issued in accordance with the current SG sea lice management policy. We look forward to receiving information which will demonstrate that satisfactory measures are in place for the prevention, control and reduction of sea lice at the Taranaish site (FS0752). If you require any further clarification please let me know.

Regards

Technical Manager - Fish Health Inspectorate

Marine Scotland -- Science

Scottish Government | Marine Laboratory | 375, Victoria Road | Aberdeen AB11 9DB

Tel: [REDACTED]

S/B: +44 (0)131 244 2500

Mob: [REDACTED]

FAX: +44 (0)131 244 0944

e: [REDACTED]@gov.scot

w: <http://www.gov.scot/Topics/marine>

From: [REDACTED]@scottishsalmon.com>
Sent: 01 October 2018 18:03
To: [REDACTED] (MARLAB) <[REDACTED]@gov.scot>
Cc: [REDACTED]@scottishsalmon.com>
Subject: Response to Advisory Letters dated 11th and 19th September
Importance: High

Dear [REDACTED]

Thank you for your Advisory Letters regarding Sea Lice Regulation dated 11th and 19th September which record breaches of the Intervention Limit for sealice at sites FS1091 in week 33, FS1233 in week 32, FS0752 in week 33 and FS0411 in week 32.

The Marine Scotland Topic Sheet Number 71 (Version 2) which sets out these Sea Lice Regulations, states the following:

- "Sea lice levels* brought below 8.0 within 4 consecutive weeks, but not below CoGP suggested criteria. Enforcement notice not issued but counts as 1 of 3 breaches leading to enforcement notice. A warning letter will be issued to alert the site of the breach."

We wish to draw your attention to the fact that the Advisory Letter has therefore been issued incorrectly for FS1233 in as much as it did not take into account the sealice counts of week 36 which were recorded within 4 consecutive weeks (i.e. 28 days) of the initial breach. By only considering counts for the period up to week 35, you have only allowed 21 days within which to return to below CoGP criteria, which is at variance with the published regulation.

- FS1233 returned sealice counts below the CoGP suggested criteria for week 36 and therefore should not have been included within this Advisory Letter, we would therefore ask that you rescind the Advisory Letter for site FS1233.

While we acknowledge the Advisory Letter with reference to the other sites that did not achieve CoGP suggested criteria within 28 days, we note that again you have only considered notifications pertaining to data from the first 21 days (i.e. 3 weeks) of the initial breach and not the full 4 weeks as stated in Marine Scotland Topic Sheet Number 71 (Version 2).

- Although FS0752 and FS0411 did not return below CoGP suggested criteria, the reduction below the Intervention Limit and the continued downward trend in sealice numbers has been reported to you and you will note that FS0411 was already below the Reporting Limit by Week 34. This site (FS0411) remains below the Reporting Limit and should now be fallow within a few days weather permitting.
- Site FS1091 to which the Advisory Letter dated 11th September applies, having breached the Intervention Limit in week 33, recorded a weekly average female count below the reporting limit in week 35, and while this has increased again slightly to above the reporting limit, to be brought down below the Reporting Limit in week 38, we expect ongoing reduction following further treatment .
- All of the sites continue to receive ongoing monitoring and resource deployment in order to manage, control and reduce sealice levels. We expect to have all sites empty by the end of October.

Kind regards



8 Melville Crescent, Edinburgh
Scotland, EH3 7JA



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Sea Loch Fresh Salmon



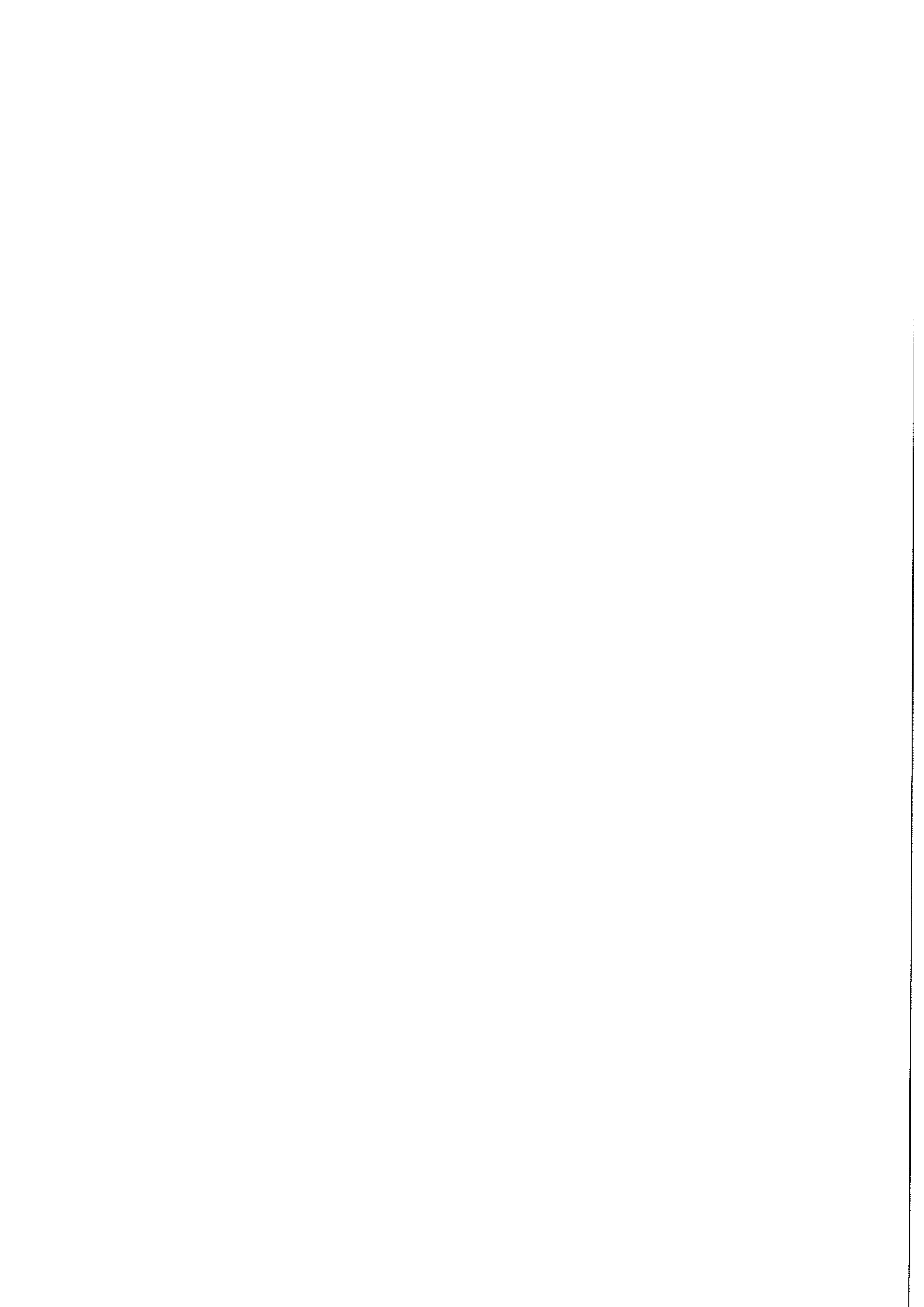
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Mortality Event Report

Mortality Event ID	MRT00751
Site Name:	Vacasay
Site No:	FS1091
Start date of mortality:	27/08/2018
Period of mortality:	Weekly
Percentage mortality:	2.56
Explained/unexplained:	Explained
Reason (if explained):	Post treatment losses (hydrolicer)
Business Name:	The scottish salmon company
Business Number:	FB0169
Species:	SAL
Water Type:	SW
Weight (site average):	>750g
Weight (affected population average):	3.1Kg
Age:	2017 S1
Estimated number of fish lost:	7516
Additional information:	
MS action:	Information collected during site inspection (20180429). No further action as site inspected



Mortality Event Report

Mortality Event ID

MRT00797

Site Name:

Vacasay

Site No:

FS1091

Start date of mortality:

03/09/2018

Period of mortality:

Weekly

Percentage mortality:

7.3

Explained/unexplained:

Explained

Reason (if explained):

AGD, gill health, handling

Business Name:

The Scottish Salmon Company

Business Number:

FB0169

Species:

SAL

Water Type:

SW

Weight (site average):

>750g

Weight (affected population average):

3.1Kg

Age:

2017 S1

Estimated number of fish lost:

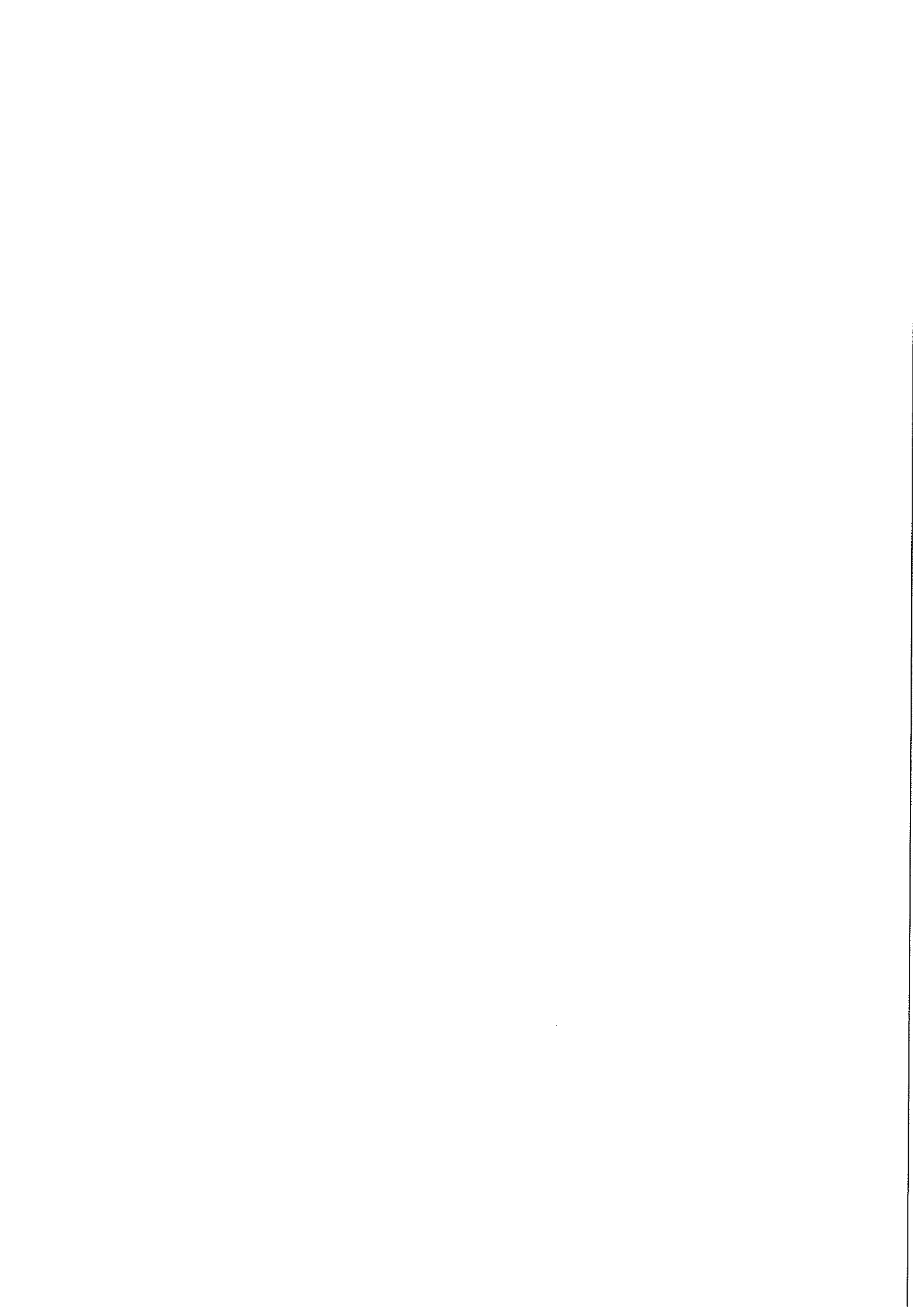
Not provided

Additional information:

Harvesting some cages

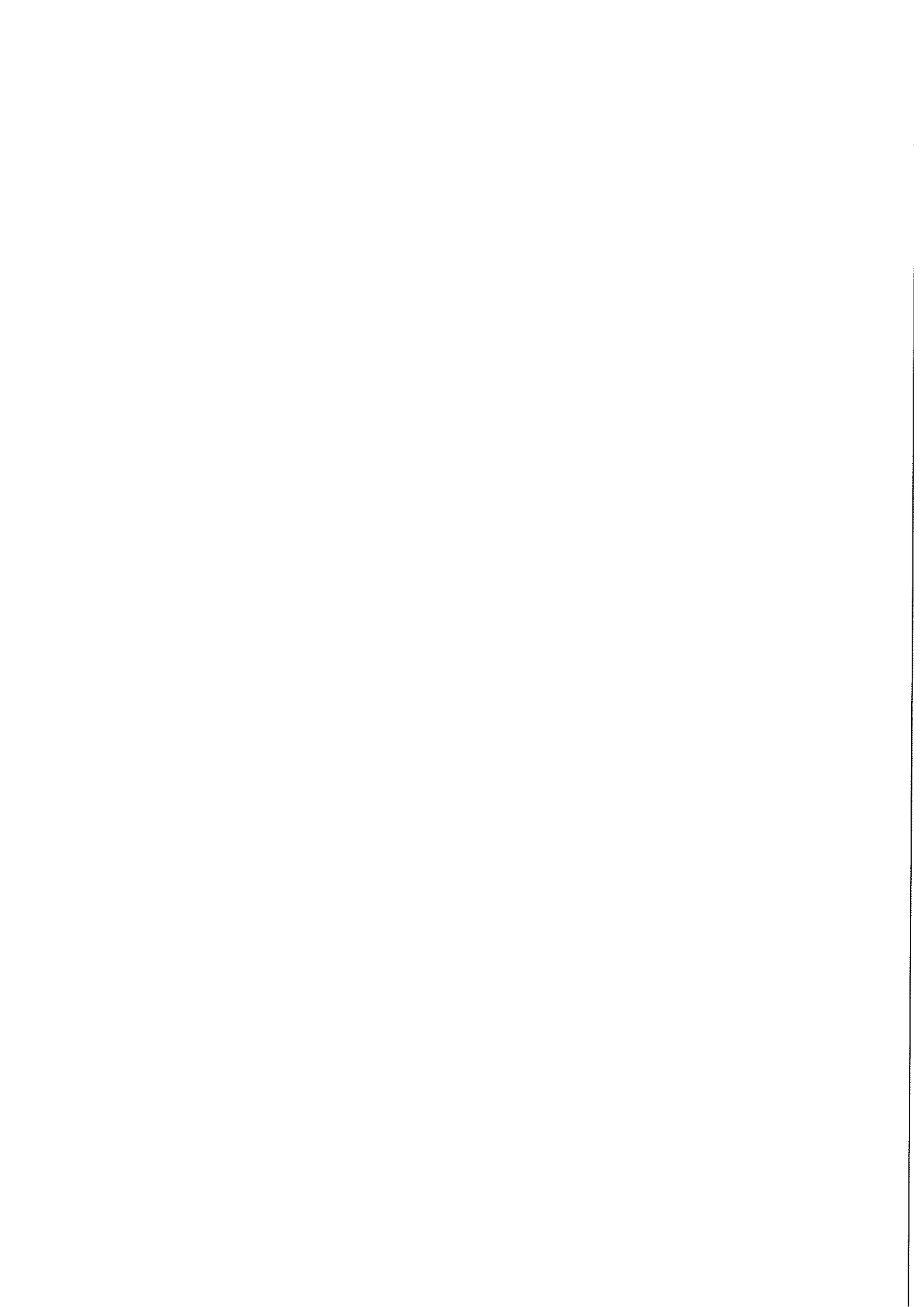
MS action:

Site inspected 5/9/18. Diagnostic sample taken - awaiting results



Mortality Event Report

Mortality Event ID	MRT00806
Site Name:	Vacasay
Site No:	FS1091
Start date of mortality:	10/09/2018
Period of mortality:	Weekly
Percentage mortality:	6.5
Explained/unexplained:	Explained
Reason (if explained):	AGD & Handling
Business Name:	The Scottish Salmon Company
Business Number:	FB0169
Species:	SAL
Water Type:	SW
Weight (site average):	>750g
Weight (affected population average):	3Kg
Age:	2017 S1
Estimated number of fish lost:	Not provided
Additional information:	
MS action:	Site inspected 5/9/18. Diagnostic sample taken - awaiting results



Mortality Event Report

Mortality Event ID	MRT00814
Site Name:	Vacasay
Site No:	FS1091
Start date of mortality:	17/09/2018
Period of mortality:	Weekly
Percentage mortality:	4
Explained/unexplained:	Explained
Reason (if explained):	AGD
Business Name:	The Scottish Salmon Company
Business Number:	FB0169
Species:	SAL
Water Type:	SW
Weight (site average):	>750g
Weight (affected population average):	3kg
Age:	2017 s1
Estimated number of fish lost:	Not provided
Additional information:	Mostly attributed to AGD but have responded well to recent fw treatment, morts expected to drop.
MS action:	FHI visted 7/8/18 and 5/9/18 DIA taken

