




FISHERIES RESEARCH SERVICES

*AQUA***DAT**

Sonia Duguid
Fish Health Inspectorate

Contents

-  – an overview
- Current data & data collection
- Future development

Aquadat an overview

- Replacement for old 'Fish Health Database'.
- Internet based – web browser front end.
- MS SQL server back end.
- Hybrid – off the shelf/bespoke.
- Developed by Intrelate – affiliate package.

Current data

- Business details
- Site details
- Case and results information
- Orders information
- Escapes information

Business details and contacts

The screenshot shows a web browser window displaying the AQUADAT application. The browser's address bar shows 'Common tasks ...' and a search box with 'Go...'. The AQUADAT logo is in the top right corner. The page title is 'FB0451' and the date is 'Friday, 29 September 2006'. A 'Logout' link is visible. The main content area displays business details for 'Test Fish Business' (FB0451), including its name, type, registration date, status, and contact information. A navigation bar at the bottom contains links for 'Sites', 'Contacts', 'Documents', and 'Attachments'.

<u>Business Name</u>	Test Fish Business	Correspondence Name	Joe Bloggs
<u>Business Type</u>	Fish	Address	The Pier Aberdeen
Business No.	FB0451	Post Code	AB11 9DB
<u>Date Registered</u>	29/09/2006	Telephone No.	011111 22222
Date Deregistered		Fax No.	011111 33333
<u>Business Status</u>	Active producer	Other Telephone No.	
No. Active Sites	1	Mobile No.	
Total No. Sites	1	Email Address	joebloggs@aol
Copy Address To Clipboard		Web Site	Business Details Summary

[Sites](#) [Contacts](#) [Documents](#) [Attachments](#)

Site details

Friday, 29 September 2006 | [Logout](#)

Common tasks ... Go...

FB0451

Sites **Contacts** Documents Attachments

FS1099

<u>Site Name</u>	Test Fish Site	<u>Site Status</u>	Active/Fallow
<u>Site Type</u>	Fish	Status Changed	
<u>Site No.</u>	FS1099	<u>Water Type</u>	Sea Water
<u>Date Registered</u>	29/09/2006	FHI Compliant	Yes
Site Contact		<u>Site Category</u>	EC inspection and sampling required
Site Address	The Pier Aberdeen	Site Location	The Pier, Aberdeen
Post Code	Ab11 9DB	OS Grid Ref.	HU567890
Telephone No.		Latitude	6034.51N
Fax No.		Longitude	00057.54W
Mobile No.		Northings	1189000
Email Address		Eastings	456700
Total No. of Cases		ShoreBase Grid Ref.	HU568789
		Area Manager	Charles Allan
		Region	Grampian
		UAC	City of Aberdeen
		Management Area	Not in a management area
		Control Status	No ISA controls
		DSFB	
		Site Discharge	
		Destination	

[Site Details Summary](#)

Stock **Contacts** Escapes Water Supply Site History Status History Documents Cases Attachments Orders

Additional site information

- Site contacts
- Site history (business history)
- Site status history
- Site stock
- Site water supply

Site information & GIS

- Site information is linked to FRS' GIS system.
- Updated daily.
- Produce maps of location of farms.
- Produce tidal excursion maps for control and surveillance zones.

Case record

- The Case Record is the record of all activities undertaken in the field or within FRS which generate a case, or in other words where a record of an activity is required for monitoring and/or reporting purposes.

What is a case?

- Fish farm visits.
- Samples received from vets.
- Information leading to placing of a movement restriction order.
- Visits for export documents.

Case information

[Easy Case Search](#) Thursday, 6 July 2006 | [Logout](#)

Site No.

Case No.

Date of Visit

Date of Receipt

Case Inspector

Observations

Case Closed

Case Types

Type 1

Type 2

Type 3

Type 4

Type 5

Results/Reports
Fish Health Reports
Attachments
Legacy Reports

No records on file. [Add New](#)

Case Type	Result Type	Code	Frequency	Results	Result Report Date	Report	Case Type Report	Final Report
EC5	Infectious haematopoietic necrosis virus	IHNV	0/6		13/07/2006			
EC5	BKD Renibacterium salmoninarum (ELISA)	RSEL	0/6		06/07/2006			
EC5	Viral haemorrhagic septicaemia virus	VHSV	0/6		13/07/2006			
EC5						Yes	13/07/06	<input checked="" type="checkbox"/>
VMD						No		<input type="checkbox"/>

Licensed to Fisheries Research Services
© Intelate ...

Cases – data available

- All cases for registered sites since 1998.
- Basic info (including results) from 1998-2000.
- Full info (including Fish Health Reports) since 2001.
- Photos can be attached to cases.

Orders – movement restrictions

- Movement restriction orders are served when there are reasonable grounds for suspecting the presence of a notifiable disease.
- Aquadat contains records of all active Movement Restrictions and historical data from 2001 onwards.

Order record

Stock	Contacts	Escapes	Water Supply	Site History	Status History	Documents	Cases	Attachments	Orders
D2006057 Save ...									
Order No.	D2006057		Create DAO (Inland) Document						
Order Type	DAO		Create Variation Addition (Inland) Document						
Inspector	<input type="text"/>								
Agent	<input type="text" value="Infectious pancreatic necrosis"/>								
Date Into Force	<input type="text"/> ...								
Case No.	<input type="text" value="20066789"/>								
Order Status	Active								
Order Variation	DAO - 1st Variation								
Date Made	<input type="text"/> ...								
Date Variation Expires	<input type="text"/> ...								
Action	<input type="text"/>								

Production of orders

- Orders produced through Aquadat using template.
- Information is automatically populated into template.
- Much quicker in case of disease outbreak.

Escapes

- Under The Registration of Fish Farming and Shellfish Farming Businesses Amendment (Scotland) Order 2002 it is a requirement that any person who carries on a business of fish farming shall notify the Scottish Ministers of a fish escape or circumstances which give rise to a significant risk of an escape.

Escapes record

Stock	Contacts	Escapes	Water Supply	Site History	Status History	Documents	Cases	Attachments	Orders
Test Fish Site									
Contact Name	Joe Bloggs		Print Initial Notification Form						
Contact Tel No.	011111 22222		Print Final Notification Form						
Contact Fax No.	011111 33333								
Water Type	Sea Water								
Region	Grampian								
Initial Notification	Final Notification	Attachments							
[Save]									
Species	<input type="text"/>		Weather & Tidal Conditions	<input type="text"/>					
Stage	<input type="text"/>		Circumstances of Escape	<input type="text"/>					
Age	<input type="text"/>		Completed By	<input type="text"/>					
Average Weight	<input type="text"/>		Position	<input type="text"/>					
No. Fish Escaped	<input type="text"/>		Date Notified	<input type="text"/>					
Health Status	<input type="text"/>		Reason For Escape	<input type="text"/>					
Start Date	<input type="text"/>								
Start Time	<input type="text"/>								
End Date	<input type="text"/>								
OS Grid Ref	<input type="text"/>								

Licensed to Fisheries Research Services © Intralate ...

Escapes record

- At present site staff fax report to the Scottish Government.
- Staff at Pentland House input details to Aquadat.
- FHI informed of escape.
- Escape investigation may occur – recorded as case.

Data Collection

- At present most information is collected or updated during site visits.
- Some (eg registration details) submitted by company.

Future developments

- Industry access – hopefully by end 2007.
- Historic orders – all orders will eventually be in Aquadat.
- Movement applications – online application process for industry.

Future Developments

- Live fish movements – industry will be able to enter at time of movement – will improve speed of contact tracing.
- Live fish movements – will enable easier cross referencing – more accurate records.
- May link to GIS system.

Future developments

- Production surveys – online submission of production data by industry.
- VMD residue testing results.
- Containment information.
- Sea lice information.
- Most of above during 2008 – 2009.

Future developments

- Linking to other government agencies
– e.g SEPA, Crown Estate.
- Develop a 'one stop shop' for legal requirements.

Summary

- Aquadat – web based database.
- Site, Business, Case, Results and Order information at present.
- Industry access – soon.
- Scope for development.