

Herring Data Flow

DFO Gulf Region

ANDES

- **AN**other **D**ata **E**nter **S**ystem
- Used for off-network field data collection
- Multiple modules
- Port sampling vs. at-sea sampling
- Produces various types of reports and exports




ANDES – Home Page

Andes Settings Admin Reports Preset: Cartier Mission: CAR-2023-300 Current Set: --- Active in Wetiab: 041 Special Modes: Active Protocol: Rock Crab - PEI and NB


2023 Gulf Region Ecosystem Survey (CAR-2023-300)

Ecosystem Survey



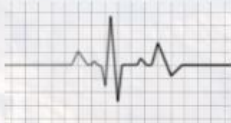
Press F1

Set Manager




New More

Cruise Dashboard



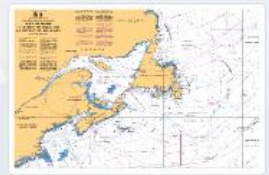
Load from File

Port Sampling



New Settings

Maps



ANDES – Ecosystem App

Atlantic herring – *Clupea harengus* (60)

Set 041 || Station 141 || Stratum 435

[View Species Identification Card](#) Ctrl+H



New Basket

Basket weight (kg)

Sample class

Sample → F3 to toggle

Baskets

Basket #	Weight (kg)	Sample class	Sampled?	Specimens, measured	Specimens, unmeasured
<input type="text" value="1"/>	1.5000	1	<input checked="" type="checkbox"/>	0	0
TOTAL	1.5000 1.5000 (Sampled)	---	---	0	0

Catch Summary:

Total basket weight	1.5 kg
Total sampled basket weight	1.5 kg
Total number of unweighed baskets	0
Total specimen count, unmeasured	0
Total specimen count, extrapolated	0
Total specimen count, measured	0
Total specimen weight, measured	0 g
Calculated basket weight	0 g
Calculated specimen weight / sampled basket weight	---
Image filename	
Comments	---

[Sampling Requirements](#) 🔗

Length: → Total length, millimeters (mm)
Weight: → Total, grams (g)
Minimum length: → 50 mm
Maximum length: → 3000 mm
Mature length: →
Rounding rule: → round down to the nearest 5 mm
Always collect sex?: → No

There are 4 collections under this requirement.

Press F10 to view the details.

Andes – Port Sampling App

Andes

Select a size (cm)

Delete Mode

View Summary

Manual Mode

5	5.5	6	6.5	7	7.5	8	8.5	9	9.5
10	10.5	11	11.5	12	12.5	13 1	13.5 1	14 1	14.5 1
15 1	15.5 3	16 2	16.5 3	17 4	17.5 5	18 5	18.5 4	19 5	19.5 5
20 5	20.5 5	21 4	21.5 4	22 4	22.5 3	23 2	23.5 2	24 2	24.5 2
25 2	25.5 1	26 1	26.5 1	27 1	27.5 1	28 1	28.5	29	29.5
30	30.5	31	31.5	32	32.5	33	33.5	34	34.5
35	35.5	36	36.5	37	37.5	38	38.5	39	39.5
40	40.5	41	41.5	42	42.5	43	43.5	44	44.5
45	45.5	46	46.5	47	47.5	48	48.5	49	49.5
50									

MEASURED: 82 / KEPT: 51


Back to Sample



HERMAN

- **H**erring and Gaspereau **P**rogram for **D**ata **E**ntry
- Part of DM Apps platform (DFO Network)
- Ingest reports from Andes
- Supports manual data entry of field sheets
- Stores length frequency and fish detail data
- Used with electronic fish measuring board



HERMAN – DM Apps

 DM Apps

français  

Network outage @ Gulf Fisheries Centre

Nov. 21, 2023, 8:02 a.m.

Please note that yesterday afternoon there was a major internet outage at the Gulf Fisheries Centre (GFC). During that period, DM Apps was inaccessible to those outside of the GFC's local network. The network issues appear to be resolved.

Problem with downloading Excel files



Feb. 22, 2023, 10:22 a.m.



A recent update to MS Edge by issued by IT has created complications when downloading excel files from DM Apps. This is because DM Apps is not using HTTPS. We are working with IT to find a solution to this problem but in the meanwhile, a work-around solution is described [HERE](#).



Contact Us



Jan. 25, 2022, 12:01 p.m.



DM Apps now has its own generic inbox:
DMApps@dfm.dfo-mpo.gc.ca



**Science Data Inventory**
Tool for organizing and managing regional data resources.



**DM Apps Tickets**
Submit and track data management service requests.



**Canadian Science Advisory Secretariat**
Tool for tracking meetings, requests and publications. beta



**Gulf Science Field Planning Tool**
Tool used for the planning and coordination of field work. dev



**DFO Dots**
Collection of ageing structures and WebAPI for ICES SmartDots. dev



**Cruises**
Collection of regional cruise metadata and oceanographic data. beta



**HERMAN**
The Herring and Gaspereau Program for Data Entry.



**TrapNet**
Diadromous Data Entry Tool. beta



**Gulf Shares**
Administrative tool for managing gulf region shares.

**CARL**
Catch Register for the Atlantic. dev

**EOS Conference and Travel Management**

**Science Project Planning Tool (PPT)**

**iHub**

**SE-RES Career Progression Dossier**

HERMAN – Sample Detail Page

[Home](#) / [Samples](#) / Port Sample 13948 - Herring

Port Sample 13948 - Herring

Lock Sample

Edit

Delete

Enter Length Frequencies

Enter Lab Measurements

Move to Next Sample Id

Sample Details:

Catch	Herring
Sample type	Port
Sample date	April 7, 2018
Field reference number	1
Sampler	QGSAC
Port	UNKNOWN PORT/DISTRICT, QC (49998)
Survey identifier	---
Latitude	---
Longitude	---
Fishing area	4TN
Gear	GNS - Gillnets and entangling nets: Set gillnets (anchored)
Experimental net used	No
Vessel CFVN	176151
Mesh size	2.25" / 57 mm
Catch weight (lbs)	122.0
Sample weight (lbs)	40.0

Progress Report:

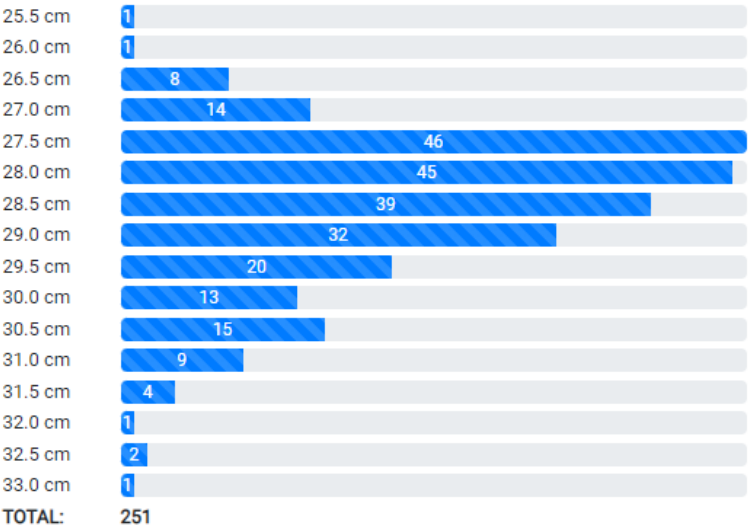
Description	Status
all mandatory fields in sample are completed	passed
declared number of measured fish equal to sum of length frequency histogram	passed
declared number of preserved fish equal to number of processed fish	passed
all preserved fish have been processed in the lab	passed
all required eggs have been counted	passed
all preserved fish have had their otoliths processed	passed

Fish Details:

Fish number	Unique Id	Lab	Eggs	Otoliths
Fish 1 (overview)	652248	✓		✓
Fish 2 (overview)	652249	✓		✓
Fish 3 (overview)	652250	✓		✓
Fish 4 (overview)	652251	✓		✓
Fish 5 (overview)	652252	✓		✓
Fish 6 (overview)	652253	✓		✓

Length Frequencies:

From Sample:



HERMAN – Fish Detailing

[Home](#) / [Samples](#) / [Port Sample 13948 - Herring](#) / Fish detail 652248

Otolith Processing of Fish #1

This is a spring fish.

[Previous \(Page Up\)](#) [Next \(Page Down\)](#) [Back \(Esc\)](#) [Show Fish Details \(F1\)](#)

Fish unique Id	652248
Sample Id	13948
Collected by	None QGSAC
Collected on	April 06, 2018
Field reference number	1
Lab sampler	David Fishman
Otolith sampler	Sylvie A. Robichaud
Annulus count	<input type="text" value="5"/>
Use code -99 for uncountable	
Otolith season	<input type="text" value="autumn"/>
Remarks	<input type="text"/>

[Home](#) / [Samples](#) / [Port Sample 13948 - Herring](#) / Fish detail 709139

Detailing of Fish #30

[Previous \(Page Up\)](#) [New \(Page Down\)](#) [Back \(Esc\)](#) [Normal Mode \(F2\)](#)

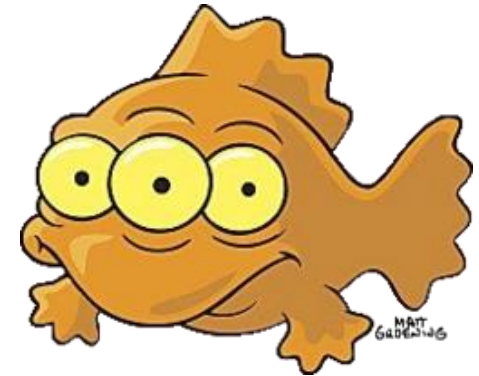
Fish unique Id	709139
Sample Id	13948
Collected by	None QGSAC
Collected on	April 06, 2018
Field reference number	1
Survey identifier	---
Fish Measuring Board Input	<input type="text"/>
Length (mm)	<input type="text"/>
Fish weight (g)	<input type="text"/>
Sex	<input type="text" value="----"/>
Maturity	<input type="text" value="----"/>
Gonad weight (g)	<input type="text"/>
Parasite	<input type="text" value="----"/>
Will count eggs	<input type="text" value="----"/>
Will collect otoliths	<input type="text" value="Yes"/>
Remarks	<input type="text"/>

HERMAN – Progress Report

Year	Sample Id	Sample type	Sample date	Field reference number	Sampler	Lengths (measured vs. histogram)	Lab processed date	Lab progress	Eggs processed date	Eggs progress	Otoliths processed date	Otoliths progress
2023	30782	Sea	2023-01-17	2	UNKNOWN	9 vs. 9		0 of 0				0 of 0
2023	30783	Sea	2023-01-17	3	UNKNOWN	2 vs. 2		0 of 0				0 of 0
2023	30784	Sea	2023-01-18	5	UNKNOWN	2 vs. 2		0 of 0				0 of 0
2023	30785	Sea	2023-01-18	8	UNKNOWN	3 vs. 3		0 of 3				0 of 3
2023	30786	Sea	2023-01-18	11	UNKNOWN	6 vs. 6		0 of 0				0 of 0
2023	30787	Sea	2023-01-19	12	UNKNOWN	18 vs. 18		0 of 0				0 of 0
2023	30788	Sea	2023-01-19	13	UNKNOWN	4 vs. 4		0 of 0				0 of 0
2023	30789	Sea	2023-01-19	15	UNKNOWN	23 vs. 23		0 of 19				0 of 19
2023	30790	Sea	2023-01-19	16	UNKNOWN	34 vs. 34		0 of 27				0 of 27
2023	30791	Sea	2023-01-19	17	UNKNOWN	2 vs. 2		0 of 2				0 of 2
2023	30792	Sea	2023-01-19	18	UNKNOWN	32 vs. 32		0 of 26				0 of 26
2023	30793	Sea	2023-01-19	19	UNKNOWN	1 vs. 1		0 of 0				0 of 0
2023	30794	Sea	2023-01-20	20	UNKNOWN	8 vs. 8		0 of 0				0 of 0
2023	30795	Sea	2023-01-20	22	UNKNOWN	1 vs. 1		0 of 1				0 of 1
2023	30796	Sea	2023-01-20	23	UNKNOWN	19 vs. 19		0 of 15				0 of 15

DFO Dots

- New tool still under development
- Organization of otolith and scale collections
- Downstream of HERMAN
- Ability to annotate otoliths
- Compatible with Smart Dots



DFO Dots – Herring Otolith Annotation

Home Admin

français

DF

[Home](#) / [Collection](#) / [Specimen](#) / [Annotation](#) / Annotate

+

-

Cancel

David's Annotation of Image 1

Sea → •

Dot Count: 9 COMPLETE

Parameter
OWR: Age in years, method: Otolith Winter Rings

Quality rating
AQ1: Easy to age with high precision.

Nucleus characterization
Opaque

Edge characterization
Opaque

Edge type

Otolith season
late spring

Comment
This is just a test

[← Previous Specimen](#) [Next Specimen →](#)

Done

Image details:

