

Digital Fishing Derby ^[1]

Submitted by Rory Lattimer Wed, 2012-08-01 00:00

Ready to fish? We invite everyone to join our new "fishing derby", which pits citizen scientists (you) against a computer algorithm, a biology class and a doctoral student, in a competition to see who can count the most sablefish.



[2]

[Digital Fishers](#), our citizen science website that recruits people on the Web to help researchers gather data from video . Scientists used our underwater cameras to record 1 minute of video every half hour for the project. They're studying the behaviour and activity rhythms of sablefish (black cod) living at the seafloor in Barkley Canyon. We're asking you to count the number you see in 15-second video segments.

Meet the Competitors

Results will be compared to counts by the other three competitors. Here are the 4 teams joining this competition:

1. Scientist: PhD student in Spain who is investigating the influence of daily and tidal cycles on the activity of sablefish.
2. Biology Class: 60 students in a University of Victoria biology class who viewed these

videos and counted fish.

3. Computer: An automated fish detection algorithm developed by a computer scientist.
4. Crowd: You and anyone else who wants to participate!

Contribute to Real Science!

With your help, scientists will compare the results from the 4 teams to find the best ways to process large amounts of video data. They hope to publish their findings in a leading science journal. We invite you to participate in this unique research project.

How to Participate

Using Digital Fishers, count the number of sablefish (black cod) you see during individual 15-second video clips. At the end of the 15-second clip, the video pauses. You can then select sablefish (black cod) and a corresponding number (0-10) from the dropdown menu under the Sealifecategory, as shown below.

sablefish lurking in upper-right corner of this window

◀ Replay Next Clip ▶▶ Random

Sealife:	Select	Presence
Water:	Select	Absence
Seafloor:	Select	Sablefish (black cod)
Objects:	Select	No comment

Get Started Today!

Please visit [Digital Fishers](#) [3], log in (or create an account if you don't have one yet) and get started today. We hope to gather as many fish counts as possible over the next two months.

For more project information visit the [Digital Fishers blog](#) [4].

Tags:

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document.getElementById("breadcrumb"); if (ONC_breadcrumb) { var ONC_innerHTML =  
ONC_breadcrumb.innerHTML; ONC_innerHTML = ONC_innerHTML.replace("&", "&");  
ONC_breadcrumb.innerHTML = ONC_innerHTML; }
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(function () { var d = new Date; var year = d.getFullYear();  
document.getElementById("copyright-date").innerHTML = year; })();
```

Source URL: <https://www.oceannetworks.ca/digital-fishing-derby>

Links:

- [1] <https://www.oceannetworks.ca/digital-fishing-derby>
- [2] https://c2.staticflickr.com/6/5532/9578625126_f4a7dd2a2f_b_d.jpg
- [3] <http://dmas.uvic.ca/DigitalFishers>
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