Major Upgrade (version 3) for OBIS-SEAMAP Photo ID App

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Highlights (1)

• Completely new interface for image handling
  • Larger image for better comparison of images
  • More intuitive, flexible rotation, cropping & zooming of image
  • Option to see multiple images of an animal together
  • Two selectable layouts of image and metadata
• New image editing tools
  • Grayscale
  • Brightness
  • Contrast
  • EXIF information
• Renovated view of matches
  • Integrated into the upper portion along with thumbnail view
  • All filtering options available to search matches
  • A few view-sorting options available
Highlights (2)

- Improved, clean operation of fin matching
  - Always one button / status in the center of toolbar
  - Simpler, cleaner popup
- New/improved filtering options
  - Match status (verified/in review/rejected)
  - Selectable list of Match ID
  - “Only” condition for fin features
  - “Strict” option for image date
- New view/layout “Fit” added to the thumbnail view
- Improved Site Information
New interface for image handling (1)

Using one top-middle square handling box and four corner boxes, you can rotate and resize the image more intuitively.
New interface for image handling (2)

You can see multiple images of the same animal together. Another layout (metadata in a vertical box) is available. To change these settings, click the three-dot option icon. These options will be remembered for your next visit of the App.
New image editing tools (1)

Cropping, flipping and/or turning grayscale the image and adjusting brightness, contrast, opacity make comparison easier. To get the image back to the original, click “Undo”.

E.g. Grayscale with lower brightness and higher contrast may make the fin shape more distinct.
New image editing tools (2)

Image’s EXIF information, if available, is visible.
The previous “Browse Matches” window is integrated into the upper portion of the app. The existing thumbnails for Site 1 & 2 and a new matching window are treated as selectable views.
You can pick up matches for a particular site. And further filter them to a particular combination of Site 1 and 2.

e.g. Matches for Site “NC-DUML-UNCW”

e.g. Matches for Sites between “NC-DUML-UNCW” and “VA-SB”
All filtering options can be used to filter matches.

e.g. “In Review” matches for animals with trailing edge
Multiple views are available from [Image size]:
- Medium size photo (default)
- Small photo
- List

List of matches can be sorted in different orders from [Sort by]:
- Match ID
- State (verified/rejected/in review)
- Animal ID
- Reference ID

This view shows in two or three columns depending on the width of the browser window.
When you found a potential match, click [Submit Match] button, which is located in the center of the toolbar. A simpler action window will be popped up.
Improved operation of fin matching (2)

The same operation goes for “In Review” match. Simply click [Consent or Reject Match] button.
Improved operation of fin matching (3)

When you see the matched animals, the status “Match Verified” is shown in the same place.
You can pick up animals with the status of matching (Verified / In Review / Rejected / No match)
You can also choose the animal with a particular Match ID
(the list of Match ID reflects the site selected)
“Only” condition for the features is useful to find the animals that have the exact set of features.

New/improved filtering options (2)

- There are just four animals that have **ONLY** “Lead” and “Upper Fin Match” features.

- Animals that have “Lead” **AND** “Upper Fin Match” features include those that have additional features, resulting in more than 100 animals shown.
“Strict” option narrows down the animals no pictures of whom were taken beyond the specified date range.

Filtering by date up to 2005-01-24 with “Strict” checked, this dolphin is not picked up.

e.g. Dolphin “2PTS” has pictures dated 2003-09-11 and 2005-05-27.
A new “Fit” view added to the image size options for the thumbnail view. “Fit” view gives you a maximized image with metadata and makes it more speedy to find potential matches from the other site without scrolling up and down between the thumbnail view and the image handling canvas.
The view of the site information is redesigned (and replaced in the lower toolbar) so you can see the summary of the two sites side by side.
The sighting records and corresponding map has a new option “Include matched animals”. With this option checked, the sightings of the matched animals are included in the records and map. You can also group the sighting records by Match ID (default: Site).

By grouping the sighting records by Match ID, you can see matched animals together.

With option unchecked, only the sightings for the selected site are shown.

With option checked, the sightings for the selected site and animals matched from other sites are shown.

Improved View of Sightings