



Viewing Photographs Online

The photographs can be accessed online using three methods described below in sections A, B, and C.

☑ **A.** Access images for each station in a quadrangle via an interactive topographic map in PDF format. **Click here to expand/collapse.**

1. Go to the quadrangle webpage of choice.
2. Open the interactive PDF topographic map with links to photographs in that quadrangle. **Adobe Reader** is needed to open the map.
3. The station symbols and numbers are color coded.
 - Red stations indicate that photographs exist at the site.
 - Yellow stations indicate that no photographs were taken at the site.
4. Move the Select tool or Hand tool over the station number to view a tooltip that displays: station number; water depth, m; year photo or sediment collected; grain size analysis if present (mud%, sand%, gravel%); photos or no photos.

Examples:

- STA 3084, 45 m, YR 1998, MUD <1%, SND 99%, GVL <1%, Photos
 - STA 3119, 50 m, YR 1998, MUD <1%, SND 96%, GVL 4%, No Photos
 - STA 3071, 54 m, YR 1998, No Sediment Analysis, Photos
5. To find a particular station on the map, zoom to a small area anywhere on the image; enter a station number in the Search box; and the station will be highlighted in the new field of view.
 6. Click on a red station number with the Select tool or Hand tool to open a webpage that displays all photographs for that station in thumbnail format. Images are ordered by file name.
 7. For further instructions, see the section below on Navigating in the Online Photograph Database.

☑ **B.** Access all images from a quadrangle without using the interactive map. **Click here to expand/collapse.**

1. Go to the quadrangle webpage of choice.
2. Open the online database to show all photographs for a quadrangle in thumbnail format. Images are ordered by file name.
3. For further instructions, see the section below on Navigating in the Online Photograph Database.

☑ **C.** Access all images for any quadrangle directly from the USGS website where they are archived. **Click here to expand/collapse.**

1. Open the website at: **<http://nantucket.er.usgs.gov/?level=collection&id=5>**
2. Click on the thumbnail image representing the quadrangle of choice to open all images from the quadrangle in thumbnail format.
3. For further instructions, see the section below on Navigating in the Online Photograph Database.

Filename Format

Example of filename format for images: Andr95003_q6_1128A_025.jpg

Andr: vessel name code (Christopher Andrew)

95003: USGS Woods Hole Coastal and Marine Science Center Field Activity Number

- 95: last two digits of year
- 003: third field activity of the year
- q6: location is Quadrangle 6
- 1128A: Station No. in Quadrangle 6
- 025: Image No. on archived CD ROM for the cruise

Navigating in the Online Photograph Database

Image files are displayed in three formats.

Level 1: a page showing all thumbnail images (110 x 110 pixels) for a station or a quadrangle that is accessed using methods A, B, or C above. Click **here** to view an example of a Level 1 page.

1. Thumbnails can be viewed as a slideshow with a 4 second delay.
2. The Sort box in the upper right part of the page can be used to arrange the images as follows: Sort by Filename: sorts alphabetically by Field Activity No., then by ascending station no, then by ascending image number. Sort by Date Taken: sorts by date and time image was collected. Sort by Date Submitted and Sort by Caption are not applicable to these images.
3. To view all Level 1 (thumbnail) images **for a particular station**, enter the quadrangle no. and the station no. into the Search box in the upper right part of the page in the following format: q6_3084
4. To view all **Level 1** (thumbnail) images **for any quadrangle**, go to the path displayed on the **Level 1** image page and click on the name Stellwagen. Then, click on the thumbnail image representing the quadrangle of choice to view all images for the quadrangle in thumbnail format.

Level 2: a page showing a thumbnail image (520 x 353 pixels) for viewing, with metadata displayed on the page. Click **here** to view an example of a Level 2 page.

1. To open a Level 2 image, click on a thumbnail image at **Level 1**.
2. The banner displays the date the photograph was collected.
3. Click on Show details in the lower left part of the page to see metadata for the image. This metadata is embedded in the high-resolution JPEG version of the image (see below) in Exchangeable Image File Format (EXIF).
4. The lower right part of the page shows date and time of image collection and image location.

year:month:day hour:minutes:seconds GMT

latitude north in degrees minutes seconds

longitude west in degrees minutes seconds

5. Click on View location in Google Maps to see mapped location of image.
6. To save the image, click Save As under the File menu or right click the image and click Save Picture As.
[NOTE: This thumbnail image DOES NOT contain Exchangeable Image File Format (EXIF) metadata.]
7. Click Next and Previous to change the image if there is more than one for the station.
8. To view all the Level 1 (thumbnail) images **for a particular station**, enter the quadrangle no. and the station no. into the Search box in the upper right part of the page in the following format: q6_3084
9. To view all **Level 1** (thumbnail) images **for a particular quadrangle**, go to the path displayed on the **Level 2** image page and click on the quadrangle name (e.g. quad06).
10. To view all **Level 1** (thumbnail) images **for any quadrangle**, go to the path displayed on the **Level 1** image page and click on the name Stellwagen. Then, click on the thumbnail image representing the quadrangle of choice to view all images for the quadrangle in thumbnail format.

Level 3: a page showing a single high-resolution JPEG image (3072 x 2048 pixels) for viewing and downloading with Exchangeable Image File Format (EXIF) metadata embedded in the image. Click **here** to view an example of a Level 3 page.

1. To open a Level 3 image, click on a **Level 2** image.
 2. To save the image, click Save As under the File menu or right click the image and click Save Picture As.
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U.S. Geological Survey Data Series 469: Seabed Photographs, Sediment Texture Analyses, and Sun-illuminated Sea Floor Topography in the Stellwagen Bank National Marine Sanctuary Region off Boston, Massachusetts