



post



picture

Using digital photography to study environmental change

Discovery Center Picture Post

The project: A 360° Digital Picture Collection. Submitted photos will create a time-lapse photo series that will document plant growth and other environmental changes for years to come. Your photos are essential to the success of the picture post project.

Tree Growth

Latitude: 46.14855
Longitude: -89.89428

This post has a clear view of the trunks of white birch, red oak, red maple, and red pine trees. With wood blocks mounted nearby for scale, pictures taken at this location allow us to measure change in the diameter of these trees as they add girth, helping us answer questions like:

- How does growth rate vary with tree species?
- How does weather affect tree growth rate?

This post is: <http://picturepost.unh.edu/post.jsp?postId=489>

What's on this sign:

- Logo & name of sponsoring organization.
- Program goals laid out.
- Clear instructions for placing the camera.
- URL for the post.
- Common Username and Password.

You can help. Take and submit a set of digital pictures from this post.

Step One: Take a picture of this sign to indicate the post's location. Include the time and date in the picture, if possible.

Step Two: Place the bottom of the camera flat on the round disc, with the back against the side of the octagon that faces north and is marked with an "N." Align the middle of your camera with the edge of the octagon. Point the lens away from the post.

Step Three: Use the widest angle lens setting and take a picture. Repeat for the other 7 locations moving clockwise around the octagon.

Step Four: With the camera pointing upward and the bottom along the north edge of octagon, take a picture of the sky or leaf canopy overhead.

Step Five: Submit your photos and view others at <http://picturepost.unh.edu>. Create your own account or use our visitor account:

Username: NLDCvisitor

Password: discovery

The North Lakeland Discovery Center in Manitowish Waters, WI, hosts a suite of Picture Posts designed to highlight different areas on the property including forest, lake shore, bog, and woodlot. This sign directs visitors to take photos to capture tree growth over time. Both the program and the steps to take photos are clearly laid out. Visitors are given a common username and password to use when they participate and upload pictures.

See more at <https://picturepost.unh.edu/post.jsp?postId=489>



The Mary Cummings Park in Burlington, MA, invites visitors to help monitor several areas of the park including a field, stream, wetland, and trail crossroads. They have created informational flyers for people to come and take with them.

What's on this sign:

- Informational flyer to take away.

See more at <https://picturepost.unh.edu/post.jsp?postId=690>



The Society for the Protection of New Hampshire Forests has installed Picture Posts in areas of concern on properties that they manage.

What's on this sign:

- Logo of sponsoring organization.
- Graphic to show how to place the camera to take the 9 shots.
- Written instructions for taking pictures.
- Sign is generalized for the project and includes an area to write in the post name - here SPNHF Floodplain 1
- QR code and URL for the post
- QR code and URL for the iPhone app

See more at <https://picturepost.unh.edu/post.jsp?postId=1246>



The US National Park Service has installed Picture Posts as part of climate change educational kiosks in several parks across the nation.

The post tops were custom-designed and include a graphic, that is also shown on the sign, for placing the camera in each position including “UP” to take the 9 shots.

What's on this sign:

- Graphic to show how to place the camera to take the 9 shots.
- Text instructions to reinforce the graphic.
- Thank you for participating!
- QR code and URL for the climate change website for the park. The site links to the actual Picture Post webpage for uploading pictures.
- Bilingual instructions.

See more at <https://picturepost.unh.edu/post.jsp?postId=1190>



This picture shows the climate change kiosk and Picture Post at Great Smoky Mountains National Park.

The kiosk describes the observed impacts of climate change in the landscape and ecological implications. The Picture Post gives visitors the opportunity to participate in collecting important change data as citizen scientists.

See more at <https://picturepost.unh.edu/post.jsp?postId=1234>



Timucuan Preserve in FL installed several posts to invite visitors to help monitor change.

What's on this sign:

- They have used the template provided on our website, see the URL below.

Template: <https://picturepost.unh.edu/post-signage.jsp>

See more at <https://picturepost.unh.edu/post.jsp?postId=707>

Sample sign information

Picture Post #1

Menotomy Rocks Park

Latitude: 42° 24.637'N

Longitude: 71° 9.899'W

The project: We are studying the health of plants and the status of invasive species in this area of Menotomy Rocks Park while having fun watching nature change with the seasons.

We need digital pictures to create a time-lapse sequence of photos that will document the growth of plants 360° around this picture post throughout the year, and hopefully years to come.

You can help by taking a set of pictures from this post. Here's how:

- Take a digital picture of these instructions to indicate the location of the post. Include your watch in the picture, if possible, since this will be used as an accurate check of the time and date of the photos.
- Place the bottom of the digital camera flat on the disc, with the back against the side of the octagon that faces North and is marked "N." Align the middle of the back of your camera with the edge of the octagon. Point the lens away from the post.
- Use widest angle lens setting and take a picture. Repeat for the other 7 **clockwise** locations on the octagon.
- With the camera pointing skyward and the bottom along the north edge of octagon, take a picture of the sky and/or leaf canopy cover overhead.
- Submit your photos and view others' at <http://picturepost.unh.edu>
- This post is: <http://picturepost.unh.edu/post.jsp?postId=5>

If you have nothing to write this information down, take a photograph of this card and reread on your computer screen.



You can use this template by substituting the information about your post for the example here of Menotomy Rocks Park:
Go to <https://picturepost.unh.edu/post-signage.jsp>