



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



Barnegat Bay Blitz Powerpoint Primer

PAGE 1

Message to the speaker/operator:

This powerpoint presentation provides an overview for the Barnegat Bay Blitz.

First conducted in 2011, the DEP is now preparing for its second Blitz event.

The event is conducted to get the general public involved in a clean-up of their communities and to help instill ownership, pride and stewardship of the watershed that includes 37 municipalities in Ocean and Monmouth County.

The purpose of this presentation is to introduce your audience to the terms “watershed”, “nonpoint source pollution” and “stormwater”, and to help them understand the connections between them and the communities they live in.

This presentation can be played in its entirety, with the pre-recorded narration and auto-timed slides, or it can be done live. (Two different versions of the powerpoint have been posted online.)

The Blitz logos on pages 3-16 when clicked will bring you back to page 2. The Blitz logos on page 2 will bring you to the pages that start to answer each of the questions.

If you have any questions, comments or modifications, call me at 609-292-1474 or email me at marc.rogoff@dep.state.nj.us

Narration for this page:

Greetings and welcome to “this event/presentation of” the New Jersey Department of Environmental Protection’s Barnegat Bay Blitz powerpoint primer!

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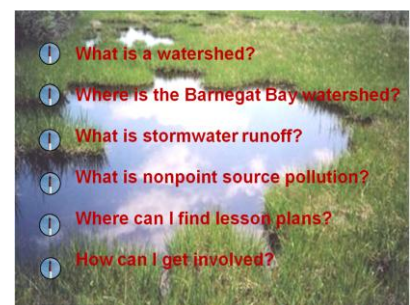
PAGE 2

Narration for this page:

During this presentation we will answer these questions...

Let’s get started.

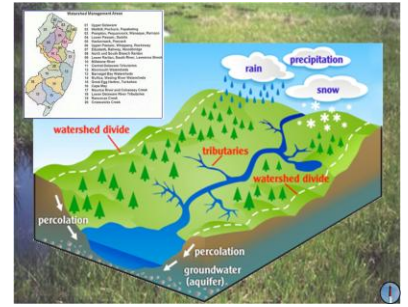
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PAGE 3

Narration for this page:

The term watershed refers to an area of land where any precipitation that falls onto it drains to a particular body of water. Rain or ground water beyond the watershed divide flows to another location.



All precipitation that falls in New Jersey either flows towards the Hudson River, the Delaware River, or into other rivers that all eventually flow into the Atlantic Ocean. Although all of New Jersey can be considered one watershed because all water will eventually flow into the ocean, the state has been divided into 20 smaller watershed management areas, including the Walkkill, the Rancocas and the Barnegat Bay Watersheds.

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Narration for this page:

The Barnegat Bay Watershed is a 660 square mile area encompassing all of the land and water in Ocean County, as well as parts of Monmouth County. The area includes the Barnegat Bay and several subwatersheds.



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Zoom in sequence....

Narration for this page:

Let's take a closer look at the Barnegat Bay Watershed.



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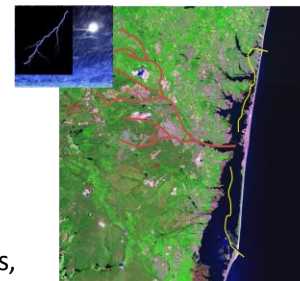
PAGE 6

Narration for this page:

This satellite image shows the Barnegat Bay Watershed as viewed from space.

Click to activate animation...

When rain falls, the water runs over the land and into streams, creeks, and rivers, and empties into the Barnegat Bay.



Click to activate animation...

Saltwater from the oceans mixes with the freshwater from the land, creating a unique habitat known as an estuary. Estuaries like the Barnegat Bay, Delaware Bay, and Newark Bay Complex are home to a diverse array of plants and animals, in addition to being valuable nurseries, nesting areas and feeding grounds.

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Narration for this page:

The quality of the water entering the Bay is critical for keeping the Bay clean, vibrant, productive and a healthy place for people to recreate.

However, things we do on our own properties can effect the Bay and its water quality, even if we live far from it.



Double Click to activate animation...

Fertilizers can benefit your lawn when used properly, but if they are applied before a storm, or spread onto the sidewalk and street,

Click to activate animation...

much of the fertilizer will be washed away into the streams and rivers. We call that “stormwater runoff” and it is a major contributor of pollutants in the Bay. These pollutants affect the water quality and disrupt the existing food web.

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PAGE 8

Narration for this page:

We create a lot of pollution that gets into the water and then gets carried away to other places. We call this type of pollution, nonpoint source pollution.



Nonpoint source pollution, or people pollution, results from everyday activities such as improperly fertilizing the lawn, not cleaning up after our pets, dumping motor oil or other hazardous materials into storm drains or the ground, and littering.

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PAGE 9

Narration for this page:

With each rainfall, pollutants generated by these activities are washed into storm drains, flowing into our waterways and ocean. They can also soak into the soil contaminating the ground water below, degrading our water quality.



Each one of us, whether we know it or not, contributes to nonpoint source pollution through our daily activities. As a result, nonpoint source pollution is one of the BIGGEST threats to...

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Narration for this page:

... the Barnegat Bay...

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PAGE 11

Narration for this page:

... plants and animals within the Bay ...

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PAGE 12

Narration for this page:

... and even the people who live and recreate on its shores.

Is there anything we can do about this?

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Narration for this page:

For more information for parents and teachers, plus classroom lessons and resources on stormwater, nonpoint source pollution and water quality go to www.cleanwaterjn.org.

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PAGE 14

Narration for this page:

If you would like to get involved, join your fellow watershed residents, DEP staff and perhaps a few other species during the next Barnegat Bay Blitz, a Watershed-Wide Cleanup....

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Message to the speaker/operator:

This slide features the Lakehurst area from 2011, feel free to put in your location, move the arrows around and reposition the red dot on the map. If you feel uncomfortable doing that, call or email me and I can do it for you. The image was taken from a screen shot on Google Earth.



Narration for this page:

We will be working in each of the 37 municipalities that make up the watershed, and several of the State Parks as well.

Each town has a team of Captains who will determine where cleanups are most needed, where materials can be picked up and dropped off and records will be kept of what was collected so we can compare the amounts for each town and to last years totals.

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Narration for this page:

You can visit the website to see what was accomplished last year and sign up to receive news and announcements.

The End

The DEP would like to thank Chris Claus from Ocean County Parks and Recreation, Cattus Island Park, and the Stony Brook-Millstone Watershed Association for their assistance in creating this presentation.