

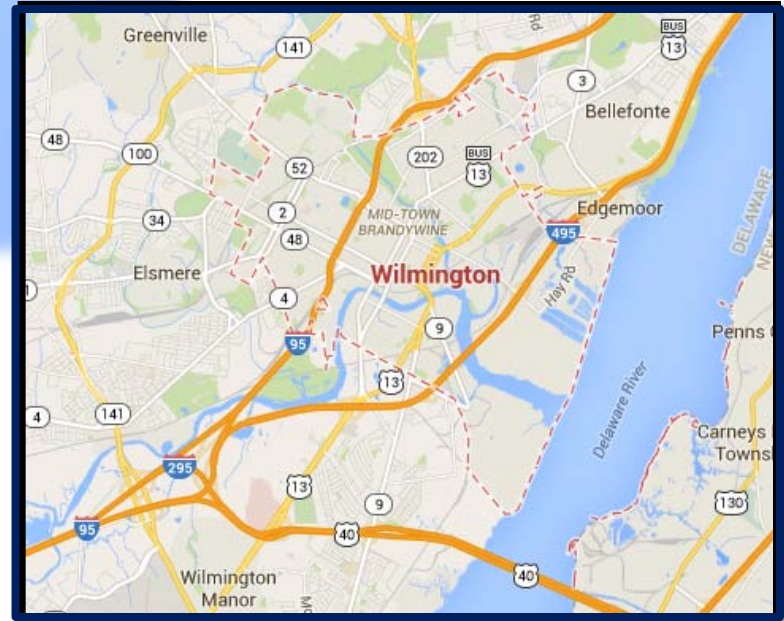
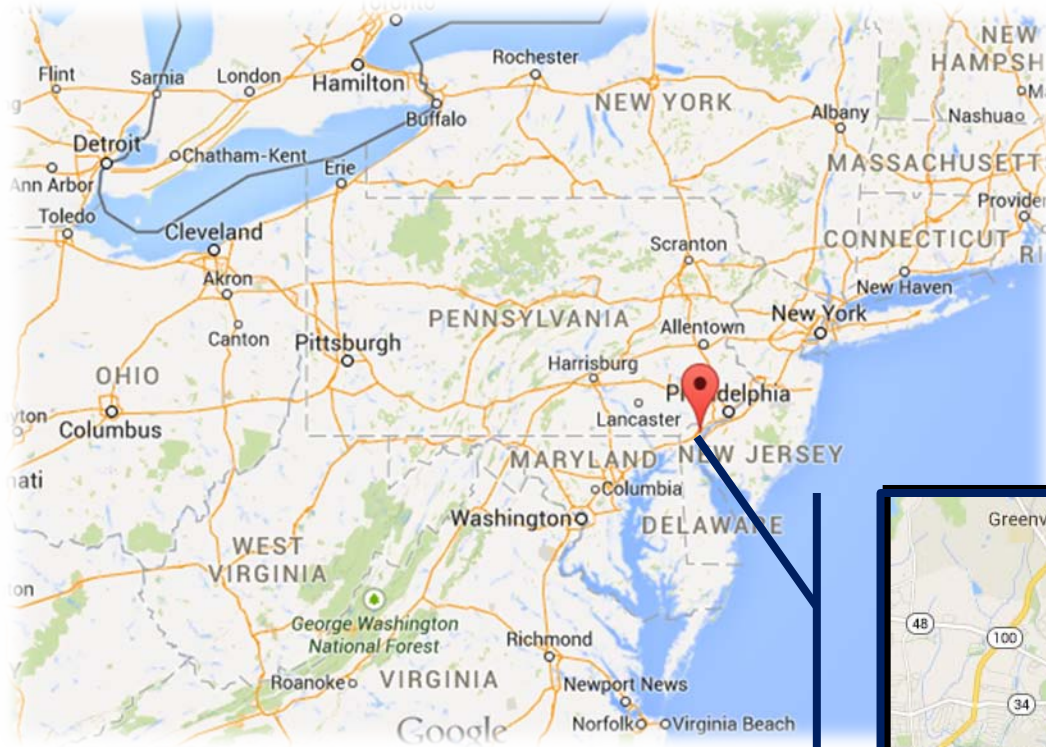


# **CITY OF WILMINGTON GREEN JOBS PROGRAM**

**2015 Delaware Estuary Science & Environmental Summit**

**Martha Corrozi Narvaez  
Water Resources Agency  
University of Delaware**

# WILMINGTON, DELAWARE



# THE CITY OF WILMINGTON

- Population: >70,000
- Population density: 6,500 people/sq. mi.
- Urban/suburban landuse



Source: wikimedia.org

# THE CITY OF WILMINGTON (CONT.)

## ○ Result:

- High water demands
- High wastewater loads
- Urban/suburban pollution loads
- Floodplain damage

## ○ Federal Regulations

- NPDES (National Pollutant Discharge Elimination System)
- CSO (Combined Sewer Overflow)
- TMDLs (Total Maximum Daily Loads)



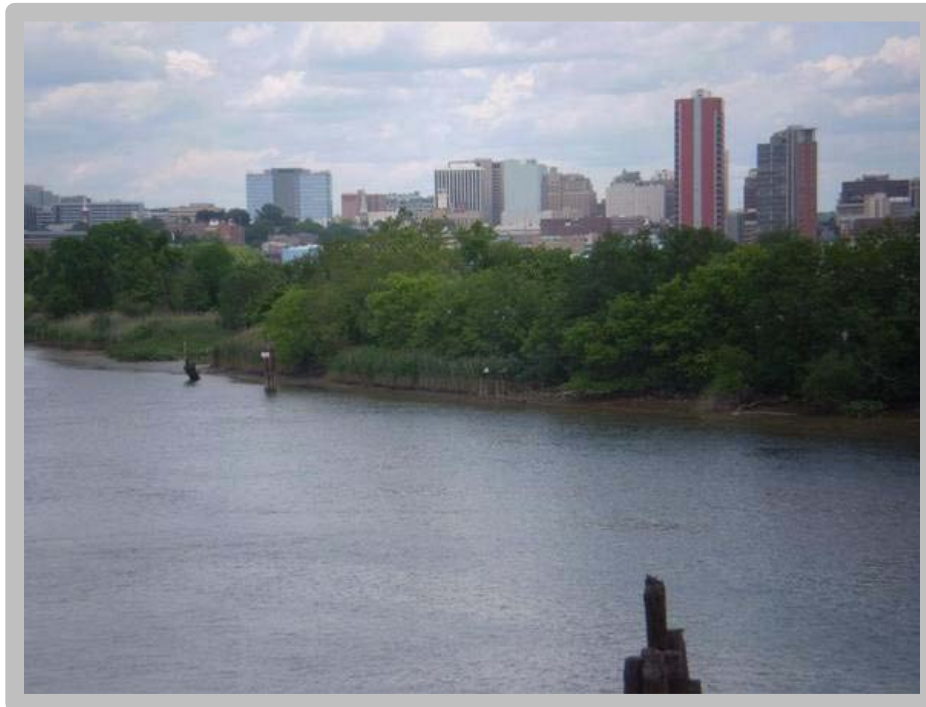
Aerial view of the City of Wilmington





# THE INCENTIVE

- Permit requirements (water quality)
- Existing partnerships
- City of Wilmington Youth Employment Program



Source: images.topix.com



# THE PROGRAM

The City of Wilmington's Green Jobs Program engages the City's youth by providing green-collar work opportunities.

The youth participate in hands-on work experience and classroom environmental education that introduces them to environmental issues and careers.

Wilmington's youth can help to transform the city into a greener, cleaner, safer community while experiencing meaningful employment and education opportunities.



# PROGRAM DETAILS

- Participants chosen based on a lottery system and an interview.
- Participants must be 14-21 years old.
- The program is 5-6 weeks at 25 hours/week.
- Minimum wage, earning approximately \$1,000 (2015 value) per summer.
- Counselor oversees the group of 10-15 interns.

City of Wilmington, Mayor Dennis P. Williams  
Department of Parks & Recreation, Director Claude W. McGee, Jr.  
- presents -



## 2014 Green Jobs Program

The Green Jobs program is a 6-week employment program for City residents that provides participants with hands-on outdoor environmental work, career exploration, exposure to environmental issues, and a mentoring component. Participants who are 14-18 years old will work 25 hours per week and earn minimum wage.



PROGRAM TIMELINE	ACTIVITIES MAY INCLUDE
Registration Mid March - April	• Surveying mussels in the Brandywine Creek
Intern Selection May	• Planting gardens
Program Start/End Dates July 1 thru August 8	• Sprucing up parks
	• Canoeing
	• Removing invasive plants
	• Searching for aquatic life called "macroinvertebrates"
	• Photography

**2014 PROGRAM HOSTS**  
City of Wilmington's Departments of Parks and Recreation and Public Works  
Delaware Center for Horticulture  
Delaware Department of Natural Resources and Environmental Control (DNREC)  
Delaware Nature Society  
Nature Conservancy  
Partnership for the Delaware Estuary  
The Challenge Program  
University of Delaware's Water Resources Agency

For more information regarding this program call 374-3830

# PROGRAM PARTNERS

- City of Wilmington, Department of Parks and Recreation and Public Works Department
- Delaware Center for Horticulture
- DNREC
- Partnership for the Delaware Estuary
- University of Delaware, Water Resources Agency
- The Nature Conservancy, Delaware
- The Challenge Program
- Delaware Nature Society
- Delaware State University





# PROGRAM TIMELINE

- Applications due in mid/late April
- May/June interviews, training and screening
- Program begins first week in July and ends mid-August



# SAMPLE PROJECTS

- Maintaining street and park trees throughout the City (watering, pruning, mulching);
- Maintaining parks and trails;
- Carrying out outreach and environmental education;
- Removing invasive plant species;
- Gardening in community gardens;
- Surveying mussels in local streams;
- Hiking in local natural areas; and
- Canoeing.
- PROFESSIONAL DEVELOPMENT AND CAREER PREPAREDNESS



# DELAWARE NATURE SOCIETY AT DEEC: HIKING, ENVIRONMENTAL EDUCATION, WILDLIFE OBSERVATION

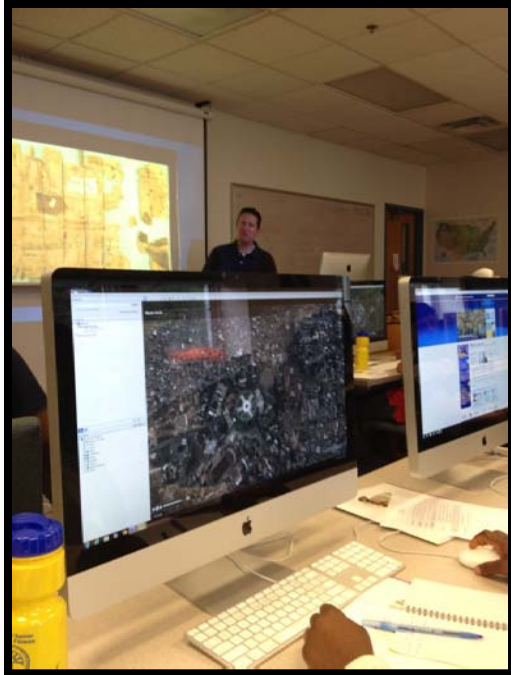


# DELAWARE NATURE SOCIETY AT DEEC: INVASIVE REMOVAL, CANOEING, PHOTOGRAPHY



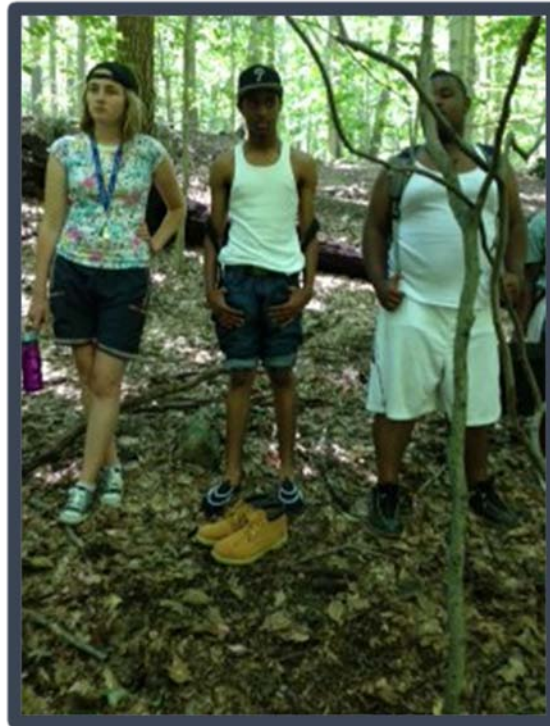


# UNIVERSITY OF DELAWARE: GEOSPATIAL EDUCATION, UD AG FARM, AND GREEN ROOF





# THE NATURE CONSERVANCY, DELAWARE: STREAM WALK AND HABITAT ASSESSMENT

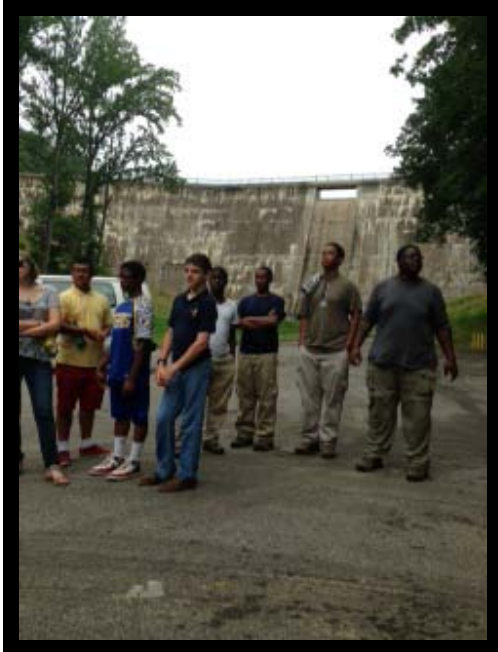
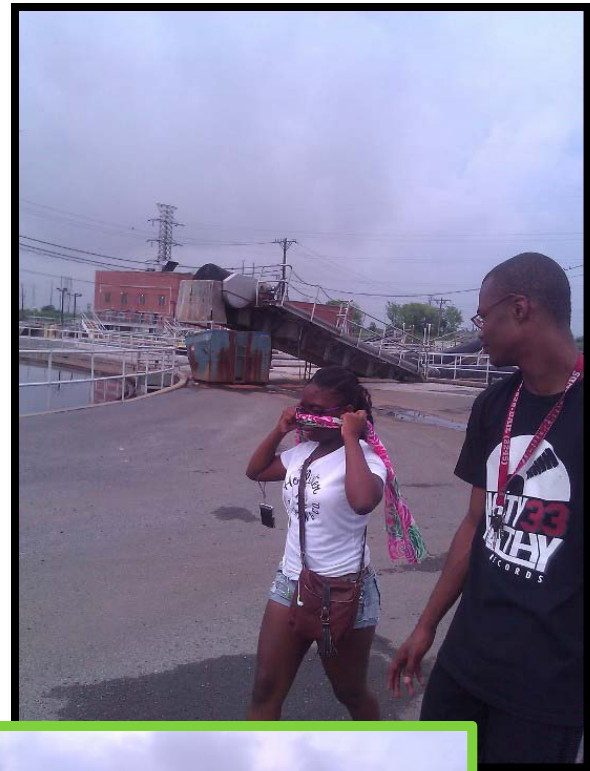


# NEW CASTLE CONSERVATION DISTRICT: SURVEYING, PLANTING, AND AG DISCUSSION





# CITY OF WILMINGTON: DRINKING WATER AND WASTEWATER TOUR

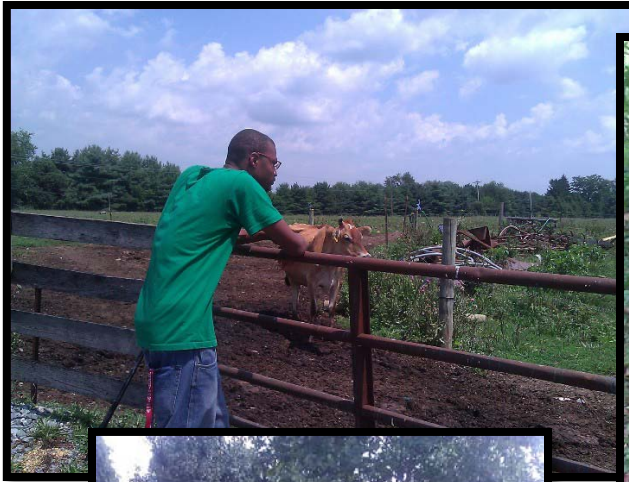


# DELAWARE CENTER FOR HORTICULTURE: COMMUNITY GARDENING



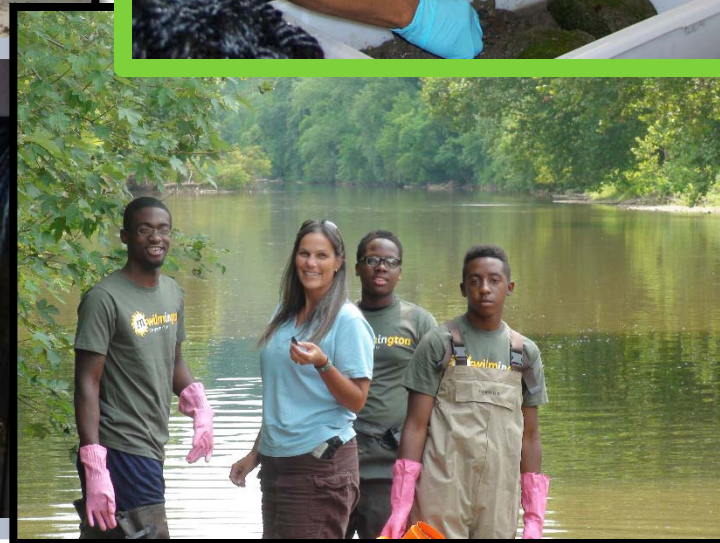


# THE CHALLENGE PROGRAM: GARDENING, HEALTHY COOKING, AND AG





# PARTNERSHIP FOR THE DELAWARE ESTUARY: MUSSEL SURVEYS, MARINE RESEARCH, AND WATERSHED EDUCATION



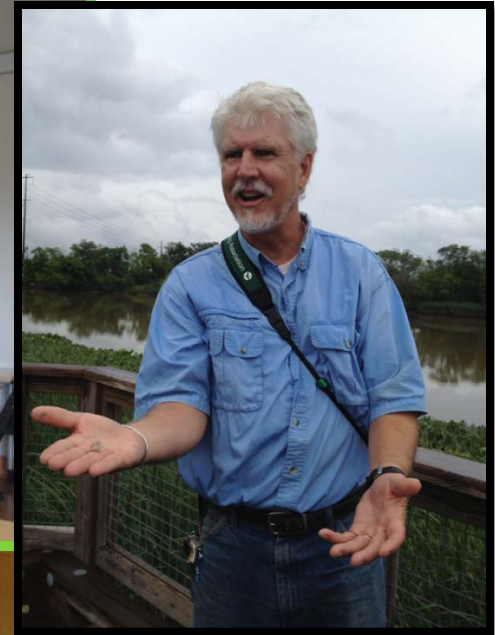
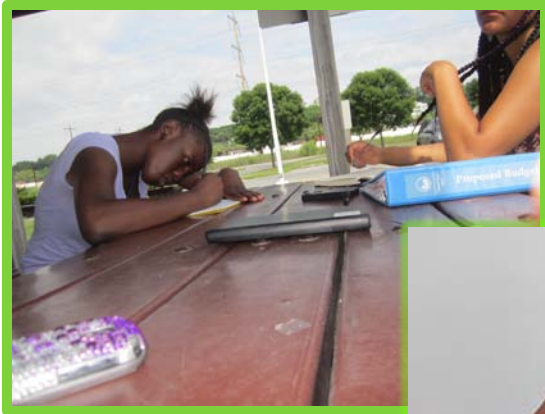
# DNREC: PLANNING, EDUCATION, MEDIA AND PARKS





# PROFESSIONAL DEVELOPMENT

- Resume Writing
- Public Speaking
- Journaling
- Mentoring

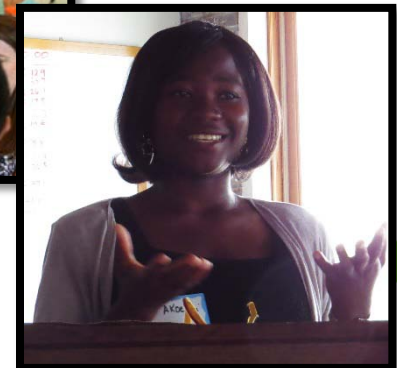
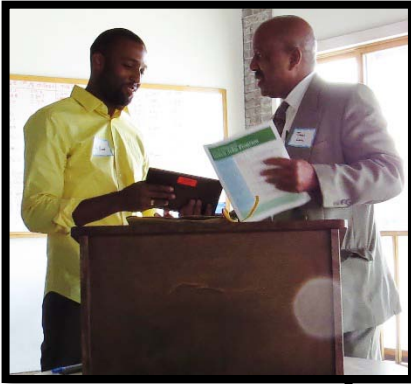


## AND HERE'S WHAT THEY SAY...

- Video
- Video credit and thank you to Maggie Pletta (DNREC) and DNREC Staff.



# CLOSING CEREMONY





# NEXT STEPS

- Program Refinement  
(Evaluations and New Partners)
- Program Expansion
- Funding
- State-wide Program



- presents -

# Green Jobs Program 2015

The Green Jobs Program is a 5-WEEK EMPLOYMENT PROGRAM for City-residents that provides participants with hands-on outdoor environmental work, career exploration, exposure to environmental issues, and a mentoring component. Participants who are 14 - 21 years old will work 25 hours per week and earn minimum wage.



## PROGRAM TIMELINE

## Registration

Accepted Feb. 2 - March 31

### Intern Selection

May

**Program Start/End Dates**

July 6 thru August 7, 2015

### ACTIVITIES MAY INCLUDE

- Surveying mussels in the Brandywine Creek
- Planting gardens
- Sprucing up parks
- Canoeing
- Removing invasive plants
- Searching for aquatic life called "macroinvertebrates"
- Photography

## 2015 PROGRAM HOSTS

City of Wilmington's Departments of Parks and Recreation and Public Works  
 Delaware Center for Horticulture  
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 Delaware Nature Society  
 The Nature Conservancy  
 Partnership for the Delaware Estuary  
 The Challenge Program  
 University of Delaware's Water Resources Agency

**For more information regarding this program call 576-3810**

# Help us spread the word for 2015!

**Martha Corrozi Narvaez**  
**mcorrozi@udel.edu**

