The Pinkerton Foundation

Lamont-Doherty Earth Observatory
COLUMBIA UNIVERSITY | EARTH INSTITUTE

HUDSON RIVER PK
RIVER PROJECT

The City College of New York

INTREPID
SEA, AIR & SPACE MUSEUM COMPLEX

THE YOUNG WOMEN'S LEADERSHIP SCHOOL
EAST HARLEM
Powered by Student Leadership Network

Students, mentors, and HRPT staff at Pier 57.

Science Leadership Program 2023

What is SLP?

The Science Leadership Program (SLP) is a paid summer research opportunity for high school aged, female-identifying students from underrepresented communities in STEM in New York City.

This program is a collaboration of STEM institutions in NYC

- Hudson River Park's River Project
- City College of New York (CCNY)
- Young Women's Leadership School (TYWLS)
- Pinkerton Foundation
- Intrepid Sea, Air, and Space Museum
- Lahmont-Doherty Earth Observatory

Checking habitat mop at Pier 40.

Checking fish traps at Pier 26.

Goals of SLP:

Gain experience and confidence in STEM through authentic research, professional development workshops, and near-peer mentorship

Complete the summer program with a stronger scientific identity, a better understanding of STEM careers and opportunities, and greater exposure to scientific methods and techniques

Program Schedule

Mondays and Tuesdays are remote

- Workshops led by HRPT staff and Consortium partners
- Research on gull bolus research project

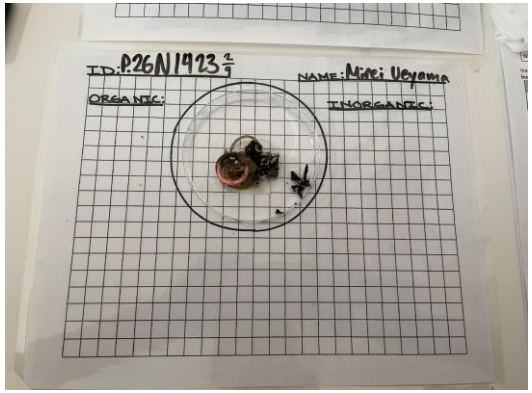
Wednesdays and Thursdays are in-person

- Hands-on research in Hudson River Park
- Field trips
- Presentation and public speaking practice
- Peer Chats

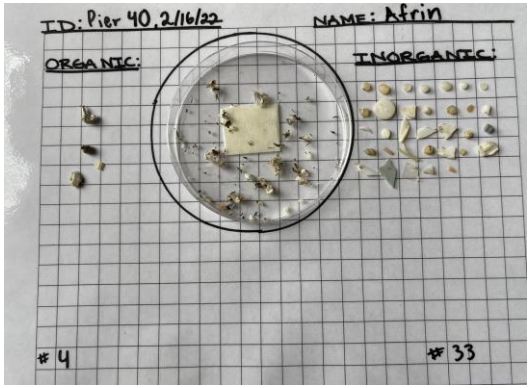
Interns at CCNY with Dr. Karin Block.

Interns performing water quality analysis at Pier 40.

Gull Bolus Project



Gull bolus on dissection sheet.

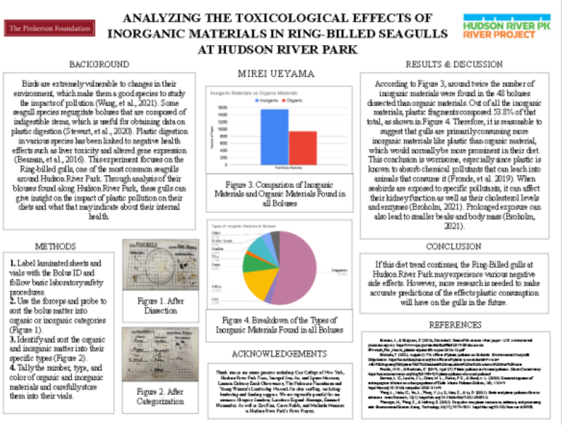


Bolus separated into organic and inorganic categories.

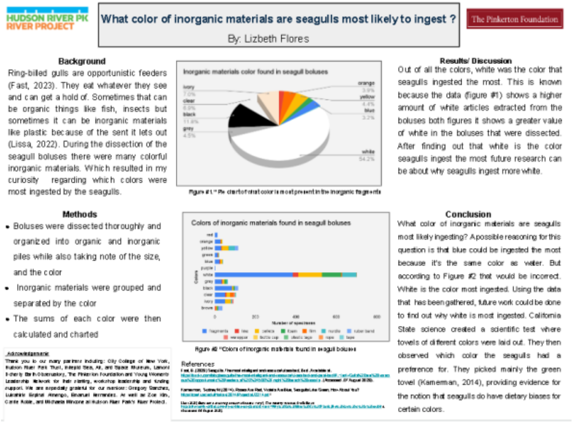
Materials separated by type.

Inorganic and organic matter stored separately in glass vials.

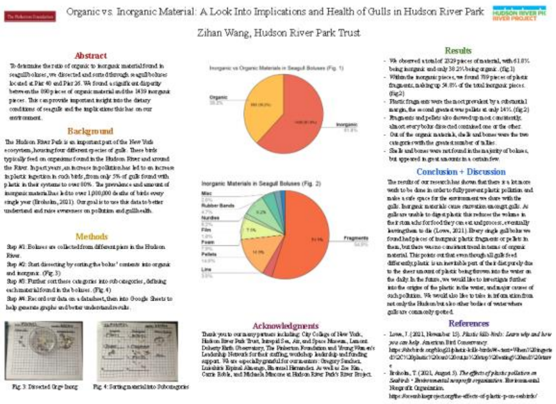
Gull Bolus Poster Presentations



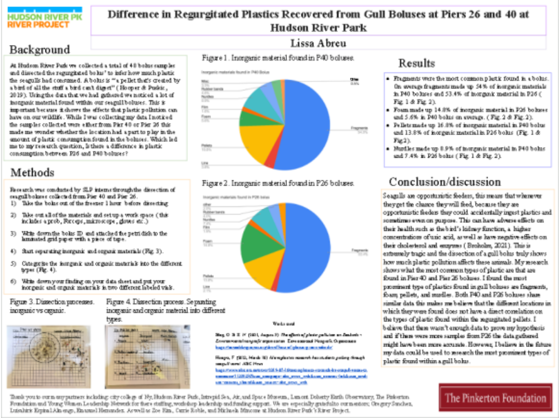
Mirei Ueyama's SLP scientific poster.



Lizbeth Flores' SLP scientific poster.

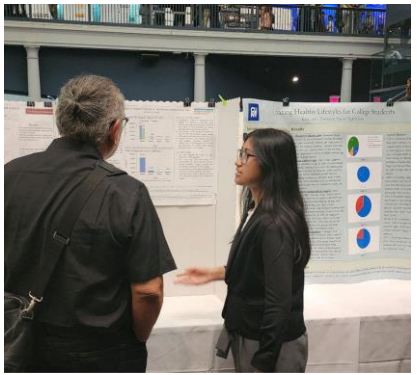


Zihan Wang's SLP scientific poster.



Lissa Abreu's SLP scientific poster.

Gull Bolus Presentations: AMNH



Evaluation Tools: Pre and Post Survey

- In collaboration with the Lamont Doherty Earth Observatory and Science Research Mentoring Consortium (NYCSRMC), we devised a well-rounded, in-depth **pre and post-survey**
  - Measured participants' interest and attitudes in pursuing STEM in future academic and professional settings
  - Evaluated interns' confidence in scientific skills including the utilization of lab equipment, conducting research, and presenting science topics to different audiences
  - Interns self-evaluated the development of a STEM identity and growth in confidence over the course of the six-week program

Mentors will share some of those survey results with you now!


Thank you for your support!
Any questions?