



Lesson 5:

The Real Deal—Cleanup in the Field

Grade Level: 9-12

Time: 90 Minutes

Vocabulary:

Banks, erosion control, water flow, hydrology.

Great Lakes Literacy Principles:

Principle 6

Concepts D, E, F

Summary:

Students go on a tour of the site and perform a litter cleanup.

Objectives:

- Become more connected to the site by performing stewardship activities.
- Develop understanding of the engineering and science behind the cleanup by seeing it firsthand.

Materials:

Gloves, trash bags, and hand sanitizer.

Procedure:

To perform only the litter cleanup portion of this lesson, contact Alliance for the Great Lakes for information on litter cleanup opportunities in your area. To perform the entire lesson, including a site tour, contact Illinois-Indiana Sea Grant. At least two teachers are required for the completion of this lesson. Split students into two groups. One group goes on a site tour for 45 minutes with the first teacher and a project manager. The project manager highlights interesting scientific and engineering features using engineering diagrams and before and after pictures. The second teacher leads the other group in a litter cleanup. For this portion, students are split into teams of two or three each. The teacher gives gloves to each of the students and a trash bag to each team. At the end of the litter cleanup activity, students are provided hand sanitizer. The groups, including teachers and chaperones, switch and perform the remaining activity for their group. Finally, the teacher administers the test on a later day.

Assessment:

Posttest and answer key are provided in Lesson Plan 1 and cover concepts learned throughout the educational program.

