

## OL 332 Assignment Four Homework

### Online Learning: OL 332 Water Conservation & Management

Center for Sustainable Development. <https://csd-i.org/ol-332-water-conservation-management/>

#### This week's resources:

- Assignment Four Discussion
- Magee Example Project Assignment Four
- OL 332 Field Guide and Lesson Plan Developing a Water Management Plan
- Resources listed in Assignment Four Discussion

### Assignment Three. Environmental Systems: Investigating Environmental Restoration

#### Part One.

Refresh your memory of the results of your participatory mapping of water resources and challenges. Is it possible that one of the biggest challenges is that the hilly watershed behind the village has been deforested – and that reforestation is a potential solution? Or is it more likely that much of the forest is still in good shape, but over time, in certain areas, gullies have formed which speed the loss of water contributing to flooding and reducing the recharging of the underground water system.

#### Part Two.

Do an Internet search on reforestation and watershed soil restoration (gully plugging, check dams, watershed restoration) for your project's country. Look especially for any scientific studies that demonstrate the viability of one of these two environmental systems.

List three (and provide the Internet link) of the handbooks, documents, or scientific studies that you find—and then write a brief paragraph summarizing the documents.

#### Part Three.

Scan the list of resources in the Assignment Four Discussion, and then pick a couple that seem the most interesting to you.

After reviewing the documents listed in the Assignment Four Discussion and the documents that you investigated on the Internet, compare the two environmental systems—reforestation and watershed soil restoration—to the needs identified within your community, and to the resources they have available to contribute to the water management component of your project.

Then write a very brief paragraph about your interest, the community's interest, and the viability of incorporating one of these two environmental systems into your project.

If, there are any aspects of these two environmental systems which would work for your project, write a second very brief paragraph about which facets of these systems are the most interesting to you and include a bulleted list of the individual specific facets that would work in your project.

#### The homework to turn in will be:

1. A list of three online resources (including their online links) about either Environmental Restoration and Landscape Level Rainwater Harvesting in your project's country.
2. A short paragraph summarizing your findings described in these documents.
3. A short paragraph about your interest, your communities interest in the viability of incorporating one of these two environmental systems into your project—or possibly incorporating one facet of these systems into your project.

Go to Magee's Example Project Assignment Four to see what this could look like.

See you next week.