GWN Community: Emek Hefer

Name of project: Air Conditioner Water collection system, Ben Gurion School

Environmental & Educational Benefits:
- Water recycling decreases the pressure on our water resources. It removes the need for the energy and chemicals used to produce pure drinking water - unnecessary if all we’re going to do is water the plants with it or flush it down the toilet.
- Students monitor the system and calculated how much water could be saved.
- Learning about ecological building practices help youth understand how to cater to the everyday needs of communities while minimizing negative environmental impacts and creating and sustaining mutually beneficial relationships with all elements of the local ecology.

Date of Construction: 2003

Team: Design: Engineer. Construction: Grade 9 Youth Water Trustees.

Materials: collection containers, pipes, pump.

Description:
- The system captures water condensation from the school air conditioning units and uses the water to irrigate the school garden.
- It provides up to one cubic meter of water a day in the summer months.

Pictures: