**GWN Community: Eshkol**

**Name of project: Constructed Wetlands, Yovelei HaBasor School**

Environmental & Educational Benefits:
- The constructed wetlands simulate a natural process that takes place in nature near water, and provides purified water for the watering of an ornamental plant garden near the installation.
- 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: 2009


Materials: pipes, pumps, filters, stones of various sizes.

Description:
- Greywater arrives at the constructed wetlands from two school buildings and goes through a double purification process.
- Slow, horizontal flow through a bed of gravel facilitates water filtration and leaves different sediment behind.
- The plant’s root systems in the pool absorb pollutants in the water – the plants pass oxygen into the roots and allow for the activity of microorganisms that contribute to the breakdown of sediment and pollutants.

Pictures: