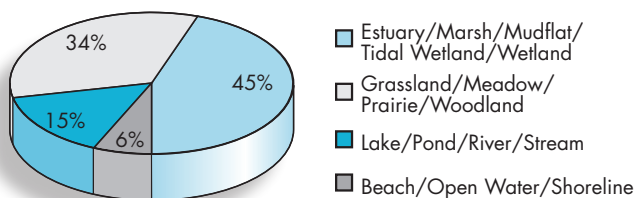


# Ecological Revitalization Database Fact Sheet

## Introduction

The U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation (OSRTI), Technology Innovation and Field Services Division (TIFSD) is interested in providing federal and state project managers and others with timely information about developments in the field of hazardous waste clean-up. To support this goal, EPA previously developed eight on-line remediation databases, which are available on the Hazardous Waste Clean-Up Information (CLU-IN) Web site ([www.cluin.org](http://www.cluin.org)). EPA has recently developed two new on-line databases to summarize timely information about the use of ecological revitalization and nanotechnologies at contaminated properties. This fact sheet introduces the ecological revitalization database.



Types of Habitats Created or Restored at Database Sites

environmental concerns. To gather this information, sites were identified where ecological revitalization has either already been established, or where ecological revitalization is planned to aid the cleanup process. The profiles were prepared using information provided on EPA Web sites and by site or project managers. As of November 2009, 99 project profiles on ecological revitalization were included in the database. These profiles provide information on site history, contaminants of concern and the ecological revitalization approach taken at each site. Technical considerations, long-term stewardship and operation and maintenance requirements are also included. A main focus of this database is to highlight any habitats that are created or restored on an entire property or on a portion of a property through ecological revitalization (for example, wetland, grassland or stream, etc.). The pie chart (upper left) shows the types of habitats created or restored and their corresponding percentages across the 99 sites included in the database (note: each site may have one or more types of habitats created or restored as a result of ecological revitalization). The ecological revitalization database can be found on the Hazardous Waste Clean-Up Information (CLU-IN) Web site at [www.clu-in.org/products/ecorev/](http://www.clu-in.org/products/ecorev/).

## Background Information

Ecological revitalization refers to the process of returning land from a contaminated state to one that supports a functioning and sustainable habitat. This database contains information about completed and on-going projects where ecological revitalization was involved in solutions to various

## How Can I Share Information on Additional Projects and Sites?



EPA is continuing its efforts to examine trends in the use of ecological revitalization. Areas of particular interest include remedial technologies, performance, habitats created or restored, soil amendments and lessons learned. As further information is obtained, EPA plans to update and expand this Web site with new ecological revitalization project profiles and update information about existing project profiles. To share information on new or existing sites, contact John Quander, EPA, by telephone at (703) 603-7198, or by e-mail at [quander.john@epa.gov](mailto:quander.john@epa.gov).



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[www.epa.gov](http://www.epa.gov)  
[www.cluin.org](http://www.cluin.org)



## Ecological Revitalization Database



This fact sheet describes a new on-line Ecological Revitalization database that is available on the Hazardous Waste Clean-Up Information (CLU-IN) Web site ([www.cluin.org](http://www.cluin.org)) sponsored by the U.S. Environmental Protection Agency's (EPA) Office of Superfund Remediation and Technology Innovation (OSRTI), Technology Innovation and Field Services Division (TIFSD). For additional information on the Ecological Revitalization database, or any of the ten remediation databases featured on this web site, visit the following web links:

- ◆ **Ecological Revitalization (NEW)**  
[www.clu-in.org/products/ecorev/](http://www.clu-in.org/products/ecorev/)
- ◆ **Nanotechnology (NEW)**  
[www.clu-in.org/products/nano/](http://www.clu-in.org/products/nano/)
- ◆ **Phytotechnology**  
[www.clu-in.org/products/phyto/](http://www.clu-in.org/products/phyto/)
- ◆ **In Situ Chemical Oxidation**  
[www.clu-in.org/products/chemox/](http://www.clu-in.org/products/chemox/)
- ◆ **Remediation Technology Demonstration**  
[www.clu-in.org/products/demos/](http://www.clu-in.org/products/demos/)
- ◆ **In Situ Flushing**  
[www.clu-in.org/products/isf/](http://www.clu-in.org/products/isf/)
- ◆ **Fractured Bedrock**  
[www.clu-in.org/fracrock/](http://www.clu-in.org/fracrock/)
- ◆ **MtBE Treatment**  
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- ◆ **Alternative Landfill Covers**  
[www.clu-in.org/products/altcovers/](http://www.clu-in.org/products/altcovers/)
- ◆ **In Situ Thermal Treatment**  
[www.clu-in.org/products/thermal/](http://www.clu-in.org/products/thermal/)