



**US Army Corps
of Engineers®**
Philadelphia District

PROJECT FACTSHEET

**Restoration of Grassdale
New Castle County, DE**

January 2009

CONGRESSIONAL DISTRICTS: Rep. Castle (DE-AL)

APPROPRIATION / PHASE:

Continuing Authorities / Planning & Design Analysis

BUSINESS PROGRAM:

Ecosystem Restoration

AUTHORITY: Section 1135 of the Water Resources Development Act of 1986, as amended:
Ecosystem Restoration.

LOCATION: This project will restore degraded marsh along the eastern end of the Chesapeake and Delaware Canal, continuing north through the area surrounding the Grassdale Center, and across to the Delaware City branch channel, near Delaware City, Delaware.

DESCRIPTION: Hundreds of acres of marsh were excavated and channelized to create the Chesapeake and Delaware Canal in the early 20th century. The C&D Canal has been operated and maintained by the US Army Corps of Engineers, Philadelphia District, since 1919. The canal was widened, straightened, and deepened, dikes were created, and tide/flap gates were installed. These changes, especially the decrease in tidal flow, created ideal conditions for a highly-invasive reed, *Phragmites*.

This project will restore 82 acres of degraded tidal marsh habitat by re-establishing tidal flow, stabilizing eroding embankments, creating open water areas with shallow water habitats, and controlling approximately 46 acres of *Phragmites*.

STATUS: FY09 funds would be used to review 90% Plans & Specifications, execute the PCA, and initiate construction.

FINANCIAL

DATA (\$000) Fed Non-Fed Total

Total Cost	3,155	1,052	4,207
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BUDGET

DATA (\$000) Comments

Thru FY 04	634	
FY 05	42	
FY 06	0	
FY 07	0	
FY 08	0	
FY 09	TBD	

SPONSOR: Delaware Department of Natural Resources and Environmental Control

PROJECT MANAGER:

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