



Habitat Information Tracking System



Dec 9, 2009

Project Overview

Project: (50802) Porcelain-berry Phase 3

Type: Habitat Improvement
Orgcode: (51120) DELAWARE BAY ESTUARY PROJECT
Entered By: Gregory Breese, (302) 653-9152
Point of Contact: Barbara Van Leer
Creation Date: Aug 20, 2008
Status: Completed
Completion Date: Oct 2007
State: Delaware
FWS Region: 5

Project Narrative:

The City of Milford, Delaware, has the largest infestation of porcelain-berry (*Ampelopsis brevipedunculata*) known in the Delaware Estuary. Porcelain-berry is a deciduous, woody, perennial vine, in the grape family. It was originally brought to the United States from Northeast Asia, around the 1870s, as a landscape plant. Porcelain-berry is a vigorous invader of open and wooded habitats. As it spreads, it climbs over shrubs and other vegetation, shading out native plants and consuming habitat. Porcelain-berry spreads by seed and through vegetative means. The colorful fruits, each with two to four seeds, attract birds and other small animals that eat the berries and disperse the seeds in their droppings. The seeds of porcelain-berry germinate readily to start new infestations. Porcelain-berry is often found growing in riparian areas downstream from established patches, suggesting they may be dispersed by water also.

This exotic vine potentially threatens some of the most valuable habitat in the Estuary in the Milford Neck Region. Milford Neck is a 10,000 acre conservation area that includes state and private conservation land holdings. This area has been recognized for its importance to migratory birds because of its extensive forest and wetland habitat. In addition it provides habitat for rare plants, reptiles, and amphibians. Expansion of porcelain-berry into the Milford Neck area will result in habitat degradation and the loss of biodiversity.

The Mispillion River flows through the city of Milford, and then through the Milford Neck conservation area, before emptying into the Delaware Bay. This gives porcelain-berry an easy route into Milford Neck, and throughout the Delaware Bay, from the City of Milford. This threat brought together a team of local, state, federal, NGOs, and private landowners to form the Porcelain-berry Task Force.

Porcelain-berry was removed and the stems treated with herbicide on 16 acres upland and 34 wetland at 6 sites in Milford, Delaware.

Public Description:

The City of Milford, Delaware, has the largest infestation of porcelain-berry (*Ampelopsis brevipedunculata*) known in the Delaware Estuary. Porcelain-berry is a deciduous, woody, perennial vine, in the grape family. It was originally brought to the United States from Northeast Asia, around the 1870s, as a landscape plant. Porcelain-berry is a vigorous invader of open and wooded habitats. As it spreads, it climbs over shrubs and other vegetation, shading out native plants and consuming habitat. Porcelain-berry spreads by seed and through vegetative means. The colorful fruits, each with two to four seeds, attract birds and other small animals that eat the berries and disperse the seeds in their droppings. The seeds of porcelain-berry germinate readily to start new infestations. Porcelain-berry is often found growing in riparian areas downstream from established patches, suggesting they may be dispersed by water also.

This exotic vine potentially threatens some of the most valuable habitat in the Estuary in the Milford Neck Region. Milford Neck is a 10,000 acre conservation area that includes state and private conservation land holdings. This area has been recognized for its importance to migratory birds because of its extensive forest and wetland habitat. In addition it provides habitat for rare plants, reptiles, and amphibians. Expansion of porcelain-berry into the Milford Neck area will result in habitat degradation and the loss of biodiversity.

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Project mechanism(s):

- 1. Title:** Porcelain Berry Eradication
Mechanism Type: Landowner Agreement

Mechanism: Porcelain Berry Eradication

Title: Porcelain Berry Eradication

Mechanism Type: Landowner Agreement
Agreement No.: 1234
Primary Non-FWS Party: Local Unit of Government
Date of Mechanism: Oct 01, 2007
Length of Mechanism: 1 years
Funds Obligated Date: Oct 2007
Funding Source Fiscal Year: 2008

Mechanism accomplishment(s):

1. Title: Porcelain-berry Upland	2. Title: Porcelain-berry Wetland
Habitat Type: Upland	Habitat Type: Wetland
Accomplishment Type: Restoration	Accomplishment Type: Restoration

Accomplishment: Porcelain-berry Upland

Accomplishment: Porcelain-berry Upland

Mechanism: Porcelain Berry Eradication

Coordinates: Longitude: -75.427976096, Latitude: 38.91265035
Watershed (HUC): BROADKILL - SMYRNA
Congressional District: DE00
Michael N. Castle (R)
County: Sussex
State: Delaware
FWS Region: 5 - Region 5
FWS Ecoregion: Delaware River/Delmarva Coastal Area
Joint Venture Area: Atlantic Coast Joint Venture
Accomplishment Status: Final
Accomplishment Type: Restoration
Habitat Type: Upland
Habitat Class: Broadleaf Forest
Habitat Sub-Class: Northern floodplain forest
Completion Date: Oct 15, 2007
Primary Trust/Resource Benefits: Migratory Birds
Secondary Trust/Resource Benefits: Non-Federal Trust Species

Accomplishment area(s):

1. Title: Route 14

Primary Non-FWS Party: Local Unit of
Government

2. Title: North Walnut Street

Primary Non-FWS Party: Local Unit of
Government

3. Title: Truit Avenue

Primary Non-FWS Party: Local Unit of
Government

Area: Route 14

Accomplishment: Porcelain-berry Upland

Area: Route 14

Primary Non-FWS Party: Local Unit of Government

Fiscal Year of Work: 2008

Treatment / Technique: 1 Invasive Species Control - Biological/Chemical/Mechanical

Est. Acres After: 27.0

Acres After: 2.0

Area partner(s):

Partner: U.S. Department of Agriculture - Natural Resources Conservation Service

Partner Type: Federal Agency

Partner Cash Contribution: \$1500.00

Fiscal Year: 2008

Partner: Partnership for the Delaware Estuary, Inc.

Partner Type: Private Individual

Partner Inkind Contribution: \$583.34

Fiscal Year: 2008

Partner: Delaware River Keeper Network

Partner Type: NGO/Land Trust

Partner Inkind Contribution: \$166.67

Fiscal Year: 2008

Partner: Milford Parks and Recreation Department

Partner Type: Local Unit of Government

Partner Cash Contribution: \$666.67

Partner Inkind Contribution: \$1041.67

Fiscal Year: 2008

Partner: Delaware Department of Agriculture

Partner Type: State Agency

Partner Cash Contribution: \$833.34

Partner Inkind Contribution: \$1080.00

Fiscal Year: 2008

Partner: National Fish and Wildlife Foundation

Partner Type: NGO/Land Trust

Partner Cash Contribution: \$2916.67

Fiscal Year: 2008

Area sub-activity(s):

FWS Sub-Activity: Coastal Program - 1124

Contribution Fiscal Year: 2008

Funding Source Fiscal Year: 2008

Cash: \$208.34

Est. FWS Days: 2.0

FWS Days: 4.0

Area ITIS species:

Species Name: Dumetella carolinensis

Common Name: Gray Catbird

Species Name: Toxostoma rufum

Common Name: Brown Thrasher

Species Name: Geothlypis trichas

Common Name: Common Yellowthroat

Species Name: Icteria virens

Common Name: Yellow-breasted Chat

Species Name: Hylocichla mustelina

Common Name: Wood Thrush

Area: North Walnut Street

Accomplishment: Porcelain-berry Upland

Area: North Walnut Street

Primary Non-FWS Party: Local Unit of Government

Fiscal Year of Work: 2008

Treatment / Technique: 1 Invasive Species Control - Biological/Chemical/Mechanical

Est. Acres After: 27.0

Acres After: 10.0

Area partner(s):

Partner: U.S. Department of Agriculture - Natural Resources Conservation Service

Partner Type: Federal Agency

Partner Cash Contribution: \$1500.00

Fiscal Year: 2008

Partner: Partnership for the Delaware Estuary, Inc.

Partner Type: Private Individual

Partner Inkind Contribution: \$583.34

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Species Name: Icteria virens

Common Name: Yellow-breasted Chat

Species Name: Hylocichla mustelina

Common Name: Wood Thrush

Area: Truit Avenue

Accomplishment: Porcelain-berry Upland

Area: Truit Avenue

Primary Non-FWS Party: Local Unit of Government

Fiscal Year of Work: 2008

Treatment / Technique: 1 Invasive Species Control - Biological/Chemical/Mechanical

Est. Acres After: 27.0

Acres After: 4.0

Area partner(s):

Partner: U.S. Department of Agriculture - Natural Resources Conservation Service

Partner Type: Federal Agency

Partner Cash Contribution: \$1500.00

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FWS Sub-Activity: Coastal Program - 1124

Contribution Fiscal Year: 2008

Funding Source Fiscal Year: 2008

Cash: \$208.34

Est. FWS Days: 2.0

FWS Days: 4.0

Area ITIS species:

Species Name: Dumetella carolinensis**Common Name:** Gray Catbird**Species Name:** Toxostoma rufum**Common Name:** Brown Thrasher**Species Name:** Geothlypis trichas**Common Name:** Common Yellowthroat**Species Name:** Icteria virens**Common Name:** Yellow-breasted Chat**Species Name:** Hylocichla mustelina**Common Name:** Wood Thrush

Accomplishment: Porcelain-berry Wetland

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Coordinates: Longitude: -75.427976096, Latitude: 38.91265035**Watershed (HUC):** BROADKILL - SMYRNA**Congressional District:** DE00

Michael N. Castle (R)

County: Sussex**State:** Delaware**FWS Region:** 5 - Region 5**FWS Ecoregion:** Delaware River/Delmarva Coastal Area**Joint Venture Area:** Atlantic Coast Joint Venture**Accomplishment Status:** Final**Accomplishment Type:** Restoration**Habitat Type:** Wetland**Habitat Class:** Palustrine**Habitat Sub-Class:** Forested Wetland**Completion Date:** Oct 21, 2008**Primary Trust/Resource Benefits:** Migratory Birds**Secondary Trust/Resource Benefits:** Non-Federal Trust Species

Accomplishment area(s):

1. Title: South DuPont Highway**Primary Non-FWS Party:** Local Unit of

Government

2. Title: Mullet Run Upper Portion**Primary Non-FWS Party:** Local Unit of

Government

3. Title: Airport Road**Primary Non-FWS Party:** Local Unit of

Government

Area: South DuPont Highway

Accomplishment: Porcelain-berry Wetland

Area: South DuPont Highway

Primary Non-FWS Party: Local Unit of Government

Fiscal Year of Work: 2008

Treatment / Technique: 1 Invasive Species Control - Biological/Chemical/Mechanical

Acres Before: 0.0

Est. Acres After: 27.0

Acres After: 6.0

Area partner(s):

Partner: National Fish and Wildlife Foundation

Partner Type: NGO/Land Trust

Partner Cash Contribution: \$2916.67

Fiscal Year: 2008

Partner: U.S. Department of Agriculture - Natural Resources Conservation Service

Partner Type: Federal Agency

Partner Cash Contribution: \$1500.00

Fiscal Year: 2008

Partner: Partnership for the Delaware Estuary, Inc.

Partner Type: Private Individual

Partner Inkind Contribution: \$583.34

Fiscal Year: 2008

Partner: Delaware River Keeper Network

Partner Type: NGO/Land Trust

Partner Inkind Contribution: \$166.67

Fiscal Year: 2008

Partner: Milford Parks and Recreation Department

Partner Type: Local Unit of Government

Partner Cash Contribution: \$666.67

Partner Inkind Contribution: \$1041.67

Fiscal Year: 2008

Partner: Delaware Department of Agriculture

Partner Type: State Agency

Partner Cash Contribution: \$833.34

Partner Inkind Contribution: \$1080.00

Fiscal Year: 2008

Area sub-activity(s):

FWS Sub-Activity: Coastal Program - 1124

Contribution Fiscal Year: 2008

Funding Source Fiscal Year: 2008

Cash: \$208.34

Est. FWS Days: 2.0

FWS Days: 4.0

Area ITIS species:

Species Name: Dumetella carolinensis

Common Name: Gray Catbird

Species Name: Toxostoma rufum

Common Name: Brown Thrasher

Species Name: Geothlypis trichas

Common Name: Common Yellowthroat

Species Name: Icteria virens

Common Name: Yellow-breasted Chat

Species Name: Hylocichla mustelina

Common Name: Wood Thrush

Area: Mullet Run Upper Portion

Accomplishment: Porcelain-berry Wetland**Area: Mullet Run Upper Portion**

Primary Non-FWS Party: Local Unit of Government

Fiscal Year of Work: 2008

Treatment / Technique: 1 Invasive Species Control - Biological/Chemical/Mechanical

Acres Before: 0.0

Est. Acres After: 27.0

Acres After: 20.0

Area partner(s):

Partner: National Fish and Wildlife Foundation

Partner Type: NGO/Land Trust

Partner Cash Contribution: \$2916.67

Fiscal Year: 2008

Partner: Partnership for the Delaware Estuary, Inc.

Partner Type: Private Individual

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Species Name: Hylocichla mustelina

Common Name: Wood Thrush

Area: Airport Road

Accomplishment: Porcelain-berry Wetland

Area: Airport Road

Primary Non-FWS Party: Local Unit of Government

Fiscal Year of Work: 2008

Treatment / Technique: 1 Invasive Species Control - Biological/Chemical/Mechanical

Acres Before: 0.0

Est. Acres After: 27.0

Acres After: 8.0

Area partner(s):

Partner: National Fish and Wildlife Foundation

Partner Type: NGO/Land Trust

Partner Cash Contribution: \$2916.67

Fiscal Year: 2008

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Area sub-activity(s):

FWS Sub-Activity: Coastal Program - 1124

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Funding Source Fiscal Year: 2008

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FWS Days: 4.0

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Species Name: Hylocichla mustelina

Common Name: Wood Thrush

Total Area

Total Project Area By Habitat Type

Est. Upland Acres After: 81.0

Upland Acres After: 16.0

Est. Wetland Acres After: 81.0

Wetland Acres After: 34.0

Total Project Area

Est. Acres After: 162.0

Acres After: 50.0

Total Contributions

Total Partner Contribution to Project By Habitat Type

Upland Cash: \$17750.04

Wetland Cash: \$17750.04

Upland Inkind: \$8615.04

Wetland Inkind: \$8615.04

Total Partner Contribution to Project

Cash: \$35500.08

Inkind: \$17230.08

Total Service Contribution to Project By Habitat Type

Upland Cash: \$625.02

Wetland Cash: \$625.02

Est. Upland FWS Days: 6.0

Upland FWS Days: 12.0

Est. Wetland FWS Days: 6.0

Wetland FWS Days: 12.0

Total Service Contribution to Project

Cash: \$1250.04

Est. FWS Days: 12.0

FWS Days: 24.0