



Habitat Information Tracking System



Dec 9, 2009

Project Overview

Project: (49790) Millwood Crossing Reforestation

Type: Habitat Improvement
Orgcode: (51120) DELAWARE BAY ESTUARY PROJECT
Entered By: Richard Mccorkle, 3026539152
Point of Contact: Richard McCorkle
Creation Date: Jul 31, 2008
Status: Completed
Completion Date: May 2008
State: Delaware
FWS Region: 5

Project Narrative:

In cooperation with the Kent County (Delaware) Parks Division, DBEP reforested 15 acres of former agricultural land within a riparian open space that has been perpetually preserved in a record plan which includes a legally-binding site management plan requiring permanent reforestation of the site. Kent County Parks Division (Division) manages several parks in Kent County, Delaware, and in recent years has undertaken habitat restoration, creation and enhancement projects in these parks, including the development of interpretive trails for visitors, with kiosks and signage describing the restoration efforts and the wildlife associated with these protected natural areas. The mission of the Division is to provide a professional standard of public service to continue open space acquisitions and preservation; acquire, develop and maintain Kent County park lands; support new and existing recreation facilities, public- and community-conservation open spaces, and suburban park districts; and support special public recreation and outdoor education programs by Kent County and others. In keeping with this mission, the Division has also been instrumental in the establishment of natural open space greenways, including restoration and protection of riparian corridors, and has required the establishment of natural open spaces in approved subdivision plans. For the Millwood Crossing Open Space reforestation project, DBEP purchased 6,000 native tree and shrub seedlings, and contracted a professional planting crew to plant the seedlings and install seedling protection tubes on approximately 3% of the hardwoods (primarily oaks). Following the planting, DBEP installed additional seedling protection tubes on another 7% of the hardwoods. This restored forest will be an oak-dominated upland forest, with small inclusions of bottomland hardwood-Atlantic white cedar forested wetland adjacent to Dyke Branch. The resulting reforestation will substantially expand the riparian forest along Dyke Branch, which is a tributary to the Leipsic River and Bombay Hook National Wildlife Refuge. The expanded riparian forest will benefit several migratory bird species of management concern which are using the Refuge,

and will improve water quality in Dyke Branch and the Leipsic River, thereby benefitting anadromous fish and other aquatic fauna using the Refuge.

Public Description:

In cooperation with the Kent County (Delaware) Parks Division, the U.S. Fish & Wildlife Service reforested 15 acres of former agricultural land within a permanently protected riparian open space. Kent County Parks Division (Division) manages several parks in Kent County, Delaware, and in recent years has undertaken habitat restoration, creation and enhancement projects in these parks, including the development of interpretive trails for visitors, with kiosks and signage describing the restoration efforts and the wildlife associated with these protected natural areas. The mission of the Division is to provide a professional standard of public service to continue open space acquisitions and preservation; acquire, develop and maintain Kent County park lands; support new and existing recreation facilities, public- and community-conservation open spaces, and suburban park districts; and support special public recreation and outdoor education programs by Kent County and others. In keeping with this mission, the Division has also been instrumental in the establishment of natural open space greenways, including restoration and protection of riparian corridors, and has required the establishment of natural open spaces in approved subdivision plans. For the Millwood Crossing Open Space reforestation project, USFWS purchased 6,000 native tree and shrub seedlings, and contracted a professional planting crew to plant the seedlings and install seedling protection tubes on approximately 3% of the hardwoods (primarily oaks). Following the planting, USFWS installed additional seedling protection tubes on another 7% of the hardwoods. This restored forest will be an oak-dominated upland forest, with small inclusions of bottomland hardwood-Atlantic white cedar forested wetland adjacent to Dyke Branch. The resulting reforestation will substantially expand the riparian forest along Dyke Branch, which is a tributary to the Leipsic River and Bombay Hook National Wildlife Refuge. The expanded riparian forest will benefit several migratory bird species of management concern which are using the Refuge, and will improve water quality in Dyke Branch and the Leipsic River, thereby benefitting anadromous fish and other aquatic fauna using the Refuge.

Project mechanism(s):

1. **Title:** Millwood Crossing Reforestation
Mechanism Type: Cooperative Agreement

Mechanism: Millwood Crossing Reforestation

Title: Millwood Crossing Reforestation

Mechanism Type: Cooperative Agreement
Agreement No.: 501818J239
Primary Non-FWS Party: Local Unit of Government
Date of Mechanism: May 29, 2008
Length of Mechanism: 1 years
Funds Obligated Date: May 2008
Funding Source Fiscal Year: 2008

Mechanism accomplishment(s):

1. **Title:** Millwood Crossing
Habitat Type: Upland
Accomplishment Type: Restoration

Accomplishment: Millwood Crossing

Accomplishment: Millwood Crossing
Mechanism: Millwood Crossing Reforestation

Coordinates: Longitude: -75.537678571, Latitude: 39.217924107
Watershed (HUC): BROADKILL - SMYRNA
Congressional District: DE00

Michael N. Castle (R)

County: Kent
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: Mixed Forest
Completion Date: May 29, 2008
Primary Trust/Resource Benefits: Migratory Birds
Secondary Trust/Resource Benefits: Service Lands
Other Trust/Resource Benefits: Interjurisdictional Fish
Overlay Protection Holder: Local Unit of Government
Protected in perpetuity? yes

Accomplishment area(s):

1. Title: Millwood Crossing

Primary Non-FWS Party: Local Unit of
Government

Area: Millwood Crossing

Accomplishment: Millwood Crossing

Area: Millwood Crossing

Primary Non-FWS Party: Local Unit of Government

Fiscal Year of Work: 2008

Treatment / Technique: 1 Planting-Maintaining Trees/Shrubs

Est. Acres After: 15.0

Acres After: 15.0

Area partner(s):

Partner: Kent County Delaware

Partner Type: Local Unit of Government

Partner Inkind Contribution: \$5000.00

Fiscal Year: 2008

Area sub-activity(s):

FWS Sub-Activity: Coastal Program - 1124

Contribution Fiscal Year: 2008

Funding Source Fiscal Year: 2008

Est. Cash: \$8728.00

Cash: \$8728.00

Est. Inkind: \$3500.00

Inkind: \$3500.00

Est. FWS Days: 7.0

FWS Days: 7.0

Area ITIS species:

Species Name: Anguilla rostrata

Common Name: American eel

Species Name: Alosa aestivalis

Common Name: blueback shad

Species Name: Aix sponsa

Common Name: Wood Duck

Species Name: Coccyzus americanus

Common Name: Yellow-billed Cuckoo

Species Name: Strix varia

Common Name: Barred Owl

Species Name: Myiarchus crinitus

Common Name: Great Crested Flycatcher

Species Name: Empidonax vireescens

Common Name: Acadian Flycatcher

Species Name: Contopus virens

Common Name: Eastern Wood-Pewee

Species Name: Dumetella carolinensis

Common Name: Gray Catbird

Species Name: Parula americana

Common Name: Northern Parula

Species Name: Dendroica petechia

Common Name: Yellow Warbler

Species Name: Geothlypis trichas

Common Name: Common Yellowthroat

Species Name: Icteria virens

Common Name: Yellow-breasted Chat

Species Name: Setophaga ruticilla

Common Name: American Redstart

Species Name: Vireo olivaceus

Common Name: Red-eyed Vireo

Species Name: Ammodramus savannarum

Common Name: Grasshopper Sparrow

Species Name: Hylocichla mustelina

Common Name: Wood Thrush

Species Name: Polioptila caerulea

Common Name: Blue-gray Gnatcatcher

Species Name: Piranga olivacea

Common Name: Scarlet Tanager

Total Area

Total Project Area By Habitat Type

Est. Upland Acres After: 15.0

Upland Acres After: 15.0

Total Project Area

Est. Acres After: 15.0

Acres After: 15.0

Total Contributions

Total Partner Contribution to Project By Habitat Type

Upland Inkind: \$5000.00

Total Partner Contribution to Project

Inkind: \$5000.00

Total Service Contribution to Project By Habitat Type

Est. Upland Cash: \$8728.00

Upland Cash: \$8728.00

Est. Upland Inkind: \$3500.00

Upland Inkind: \$3500.00

Est. Upland FWS Days: 7.0

Upland FWS Days: 7.0

Total Service Contribution to Project

Est. Cash: \$8728.00

Cash: \$8728.00

Est. Inkind: \$3500.00

Inkind: \$3500.00

Est. FWS Days: 7.0

FWS Days: 7.0