



Ecosystem Markets

Innovation in conservation



Crediting Protocol

Standards, Metrics, and Process

Joint Statement of Agreement
for an
Ecosystem Credit Accounting System
Issued and signed by organizational leadership
September 2009

Logos included in the agreement: Oregon Department of Transportation, NRCS, Oregon Department of Environmental Quality, Oregon Department of Agriculture, Oregon Department of Forestry, Oregon Department of Fish and Wildlife, Oregon Department of Parks and Recreation, Oregon Department of Water Resources, Oregon Watershed Enhancement Board, CleanWater Services, The Nature Conservancy, The Freshwater Trust, ecotrust, Willamette Partnership, Oregon Department of Fish and Wildlife, Oregon Department of Agriculture, Oregon Department of Environmental Quality, Oregon Department of Forestry, Oregon Department of Parks and Recreation, Oregon Department of Water Resources, Oregon Watershed Enhancement Board, CleanWater Services, The Nature Conservancy, The Freshwater Trust, ecotrust, Willamette Partnership.

Crediting protocol approved for use

Freshwater Trust™

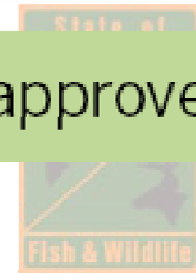
ecotrust

US Army Corps of Engineers.



CleanWater Services
Our commitment is clear.

The Nature Conservancy



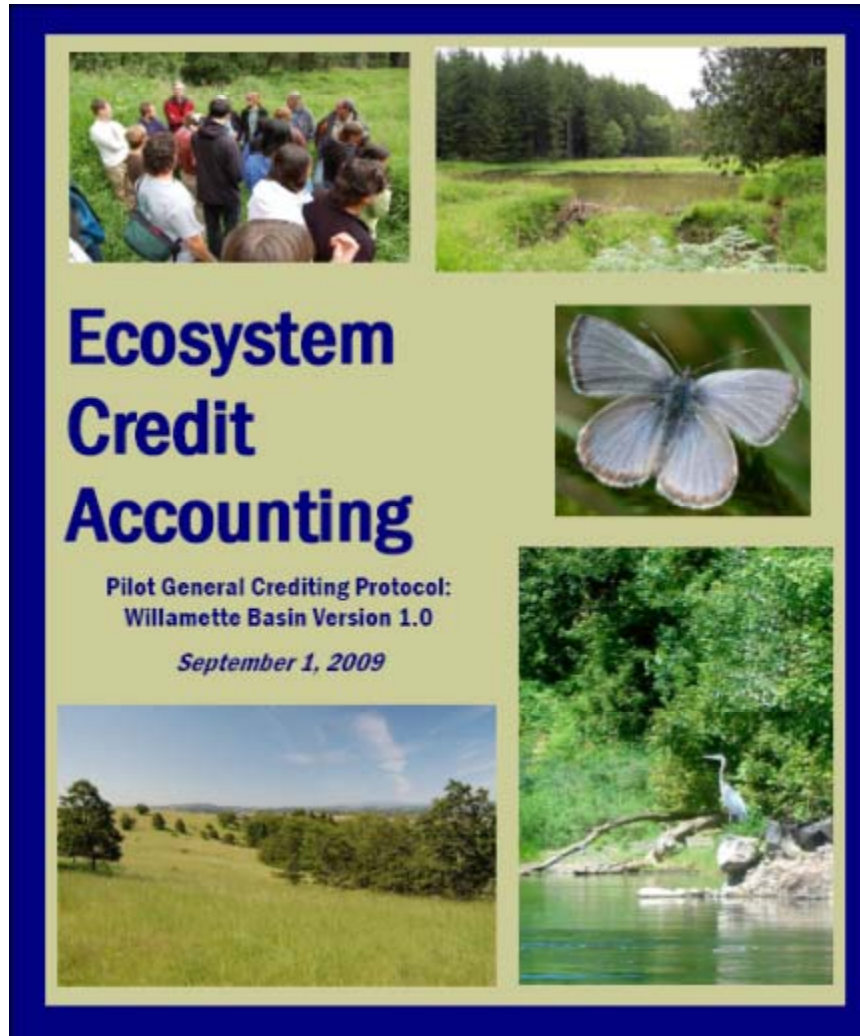
NRCS



Department of Transportation

Crediting Protocol

Standards, Metrics, and Process



Credit types

Wetland

Salmonid habitat

Upland prairie habitat

Water temperature

Water nutrients

Coming soon

Oak habitat

Floodplain habitat

Sagebrush habitat

Benefits of flow



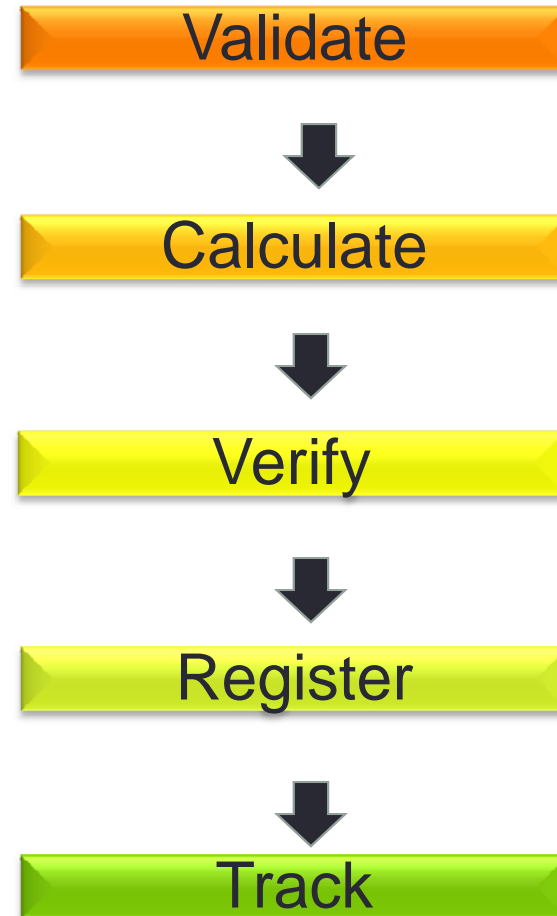
Crediting Protocol

Standards, Metrics, and Process

**Ecosystem
Credit
Accounting**

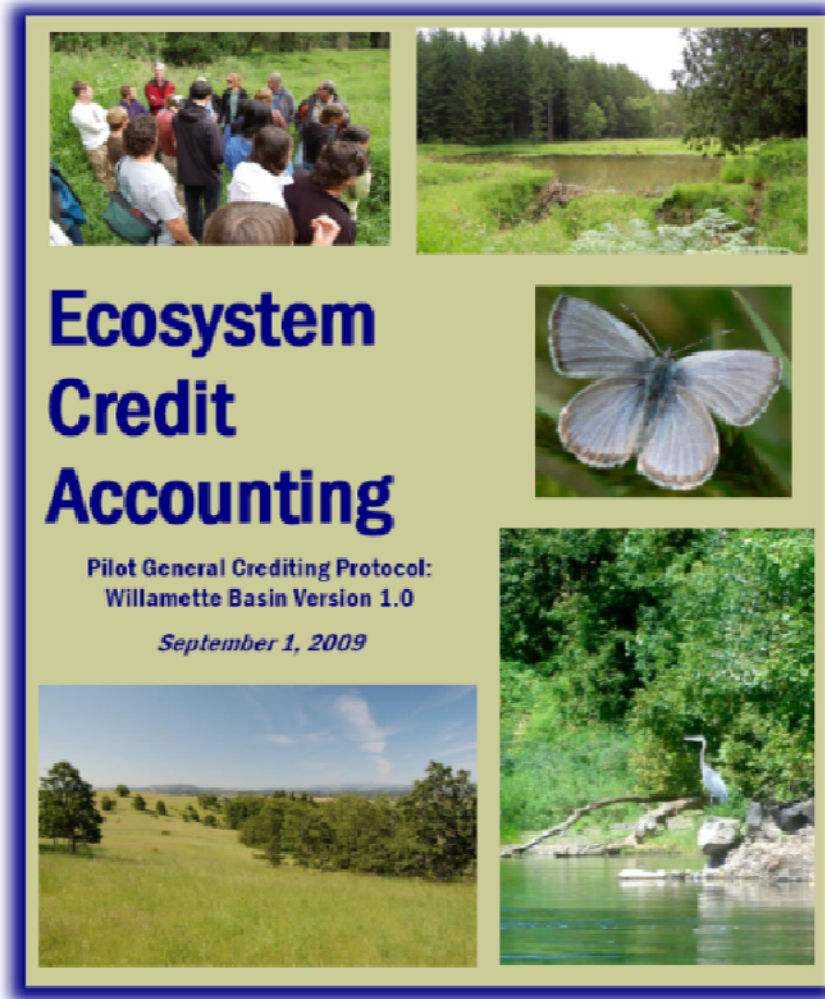
Pilot General Crediting Protocol:
Willamette Basin Version 1.0

September 1, 2009



Crediting Protocol

Standards, Metrics, and Process



Applied to

Water Quality

Endangered Species

Tracking and Accounting

Actively Exploring

Layering incentives

Pre-compliance banking

Fish passage banking

Ecosystem Markets

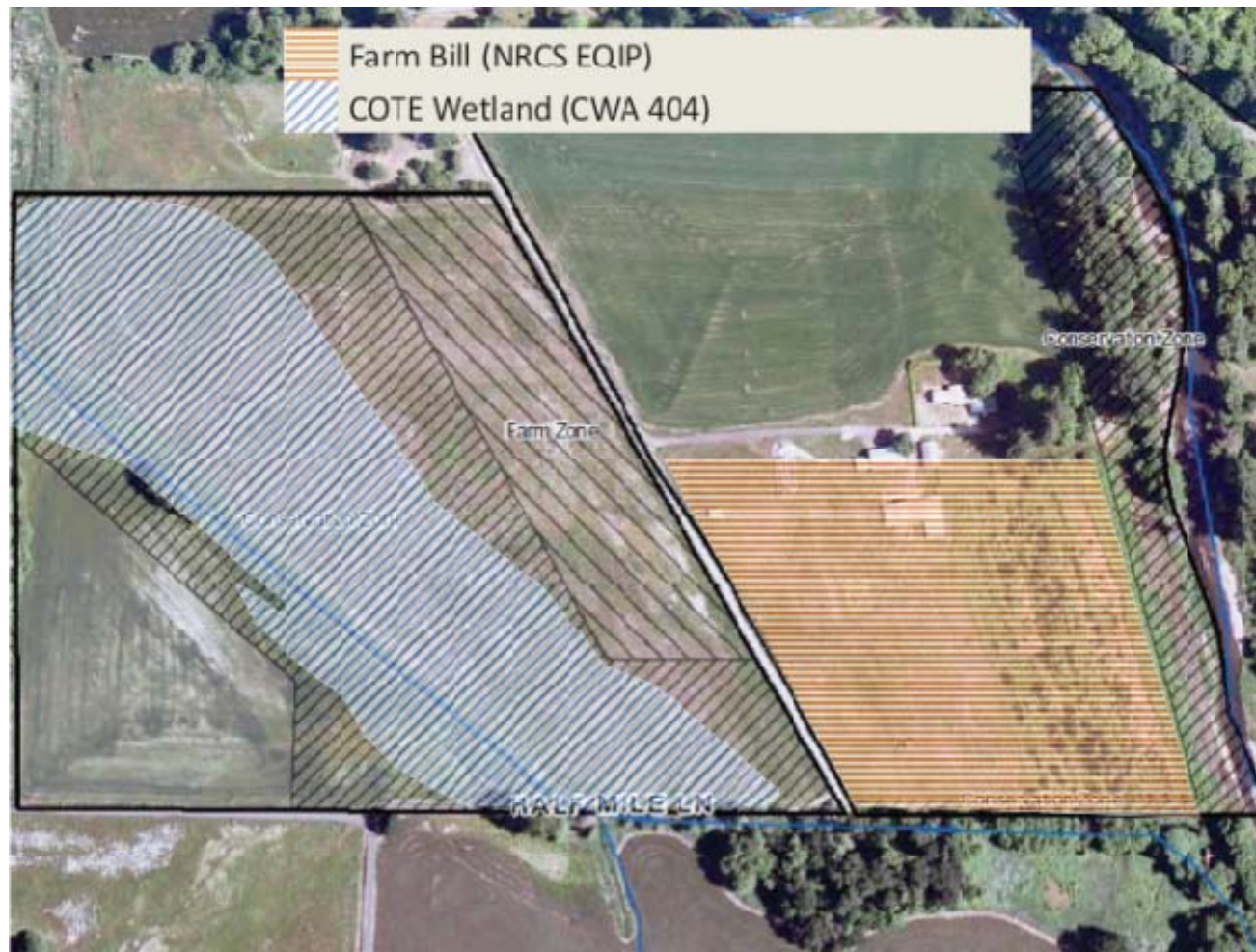
Creating and Selling Credits From Half-Mile Lane





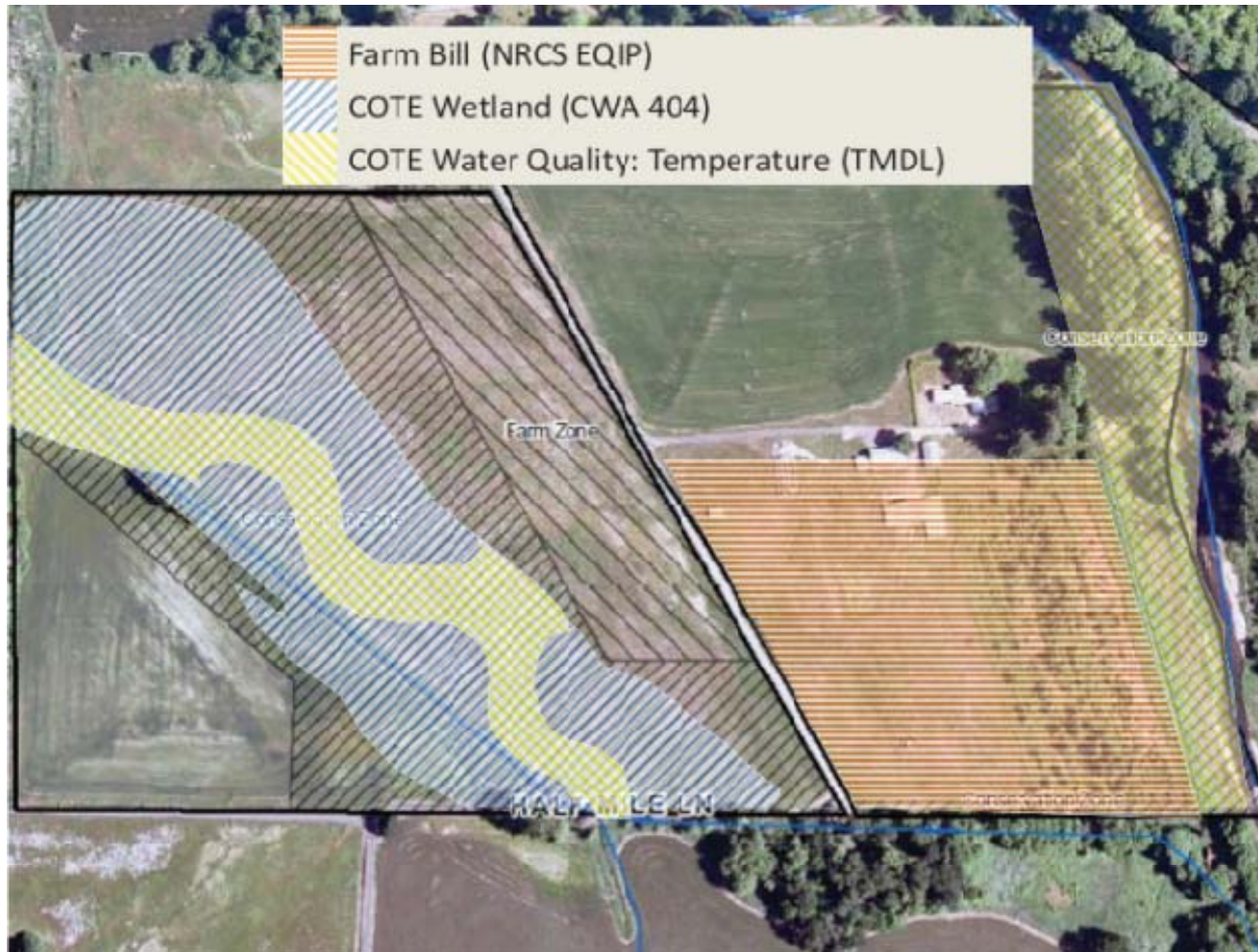
Ecosystem Markets

Creating and Selling Credits From Half-Mile Lane



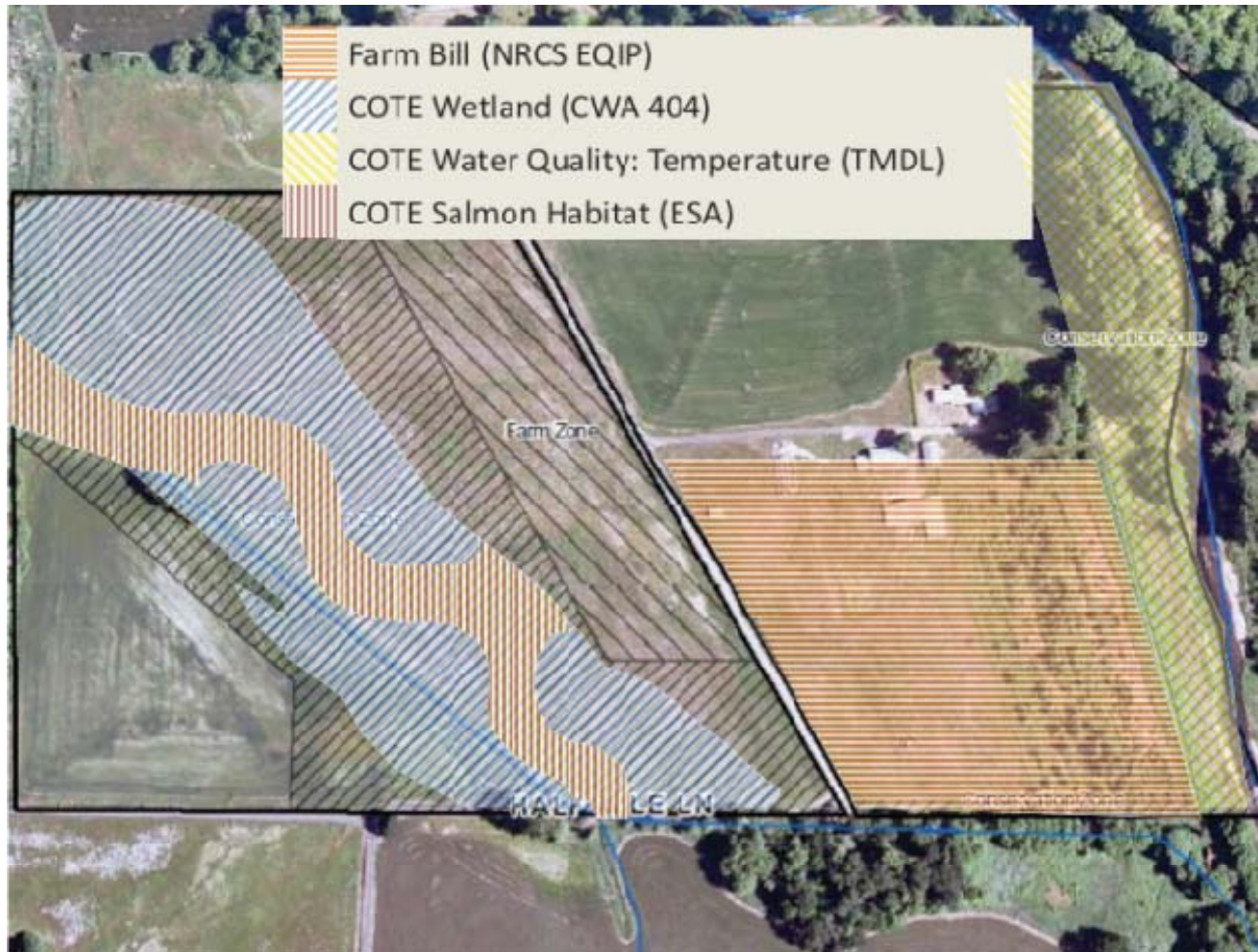
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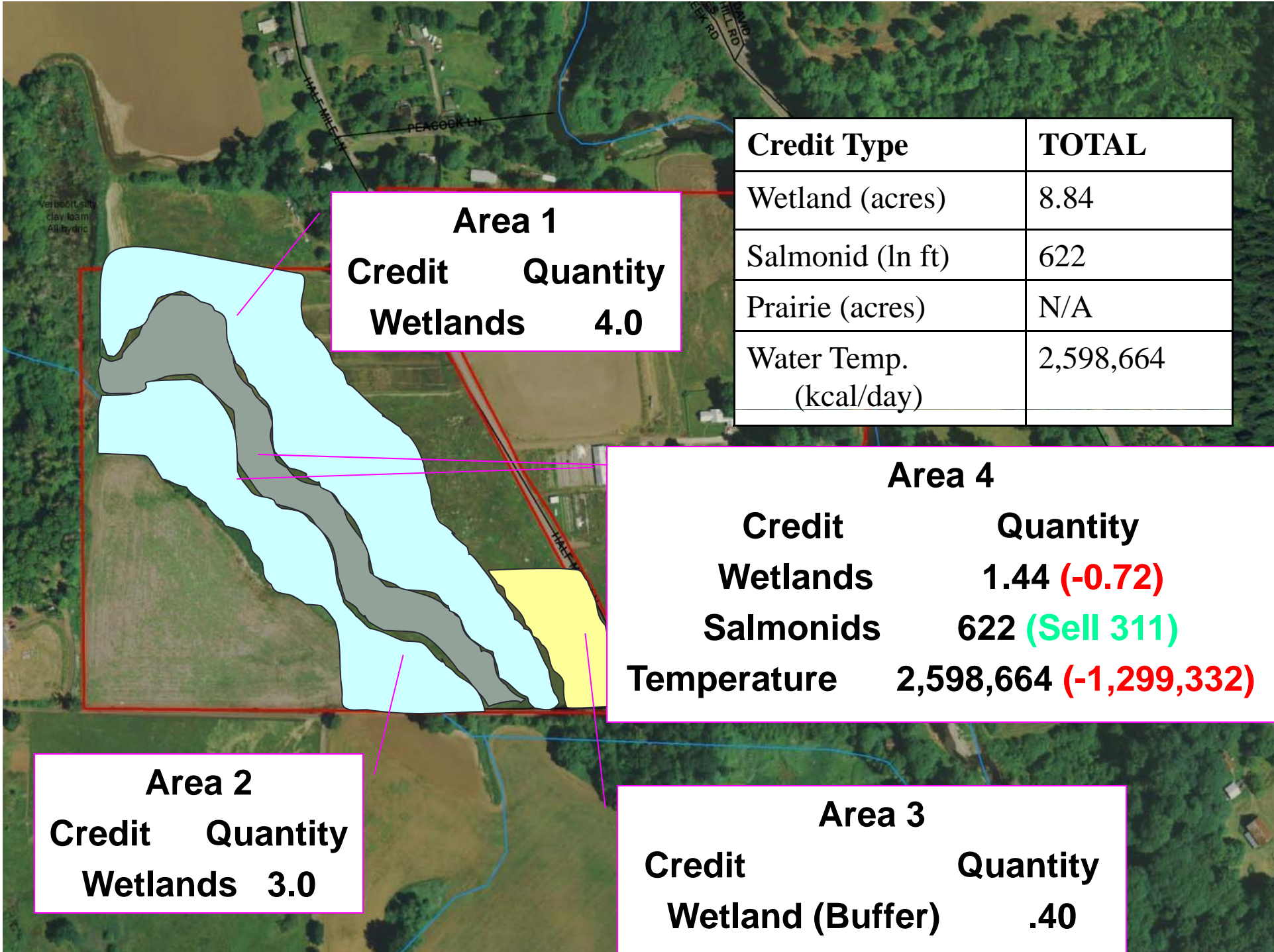
Creating and Selling Credits From Half-Mile Lane



Ecosystem Markets

Creating and Selling Credits From Half-Mile Lane





Area 1

Credit	Quantity
Wetlands	4.0

Credit Type	TOTAL
Wetland (acres)	8.84
Salmonid (ln ft)	622
Prairie (acres)	N/A
Water Temp. (kcal/day)	2,598,664

Area 4

Credit	Quantity
Wetlands	1.44 (-0.72)
Salmonids	622 (Sell 311)
Temperature	2,598,664 (-1,299,332)

Area 2

Credit	Quantity
Wetlands	3.0

Area 3

Credit	Quantity
Wetland (Buffer)	.40



Ecosystem Crediting Platform

Welcome Bobby

[My Projects](#)

[My Account/Admin Dashboard](#)

[Add a Project](#)

[Logout](#)

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[Project Baseline](#)

[Project Design](#)

[Project Verification](#)

[Project Certification](#)

[Credit Registration](#)

[Credit Issuance](#)

[Project Monitoring](#)

PROJECT:
Half Mile Lane DEMO

[Design Boundary](#)

[Map Units](#)

[Design Data](#)

[Credit Estimates](#)

[Priority Status](#)

[Accounting Units](#)

[Release Schedule](#)

[Submit Design](#)



Project Boundary

Accounting Units

Create Accounting Unit

Name this accounting unit and select the map unit(s) from the list that are part of this accounting unit.

Map units already assigned

Available map units.

Name

Select Map Units

- Roderick Creek
- Map unit 2
- Map unit 3
- Field
- SW Field



Biodiversity & Water Registry Public View

ACCOUNT HOLDERS

REGISTERED PROJECTS

HOLDINGS

RETIRED CREDITS

Registry Search

Serial Number Search?

Display Page 1

Project Name	Project Id	Category(s)	Standard(s)	Project Type(s)	Status	Developer	Location
Blackburn Vernal Pool Conservation Bank	10013	Species Habitat	US Fish & Wildlife Service Conservation Banking	Vernal Pool Preservation	Active	Wildlands, Inc	United States, California
Deadman Creek Conservation Bank	10006	Species Habitat Species Habitat Species Habitat	US Fish & Wildlife Service Conservation Banking US Fish & Wildlife Service Conservation Banking US Fish & Wildlife Service Conservation Banking	Vernal Pool Preservation California Tiger Salamander San Joaquin Kit Fox	Active	Wildlands, Inc	United States, California
Evans Creek Instream Flow Restoration	10003	Water Quantity	BEF Flow Restoration Standard	Water Flow Restoration	Active	Bonneville Environmental Foundation	United States, Oregon
Gill Ranch Conservation Bank	10008	Species Habitat	US Fish & Wildlife Service Conservation Banking	Vernal Pool Preservation	Active	Gill Ranch Conservation Bank	United States, California
Great Valley Conservation Bank	10014	Species Habitat Species Habitat Species Habitat	US Fish & Wildlife Service Conservation Banking US Fish & Wildlife Service Conservation Banking US Fish & Wildlife Service Conservation Banking	Vernal Pool Preservation San Joaquin Kit Fox California Tiger Salamander	Active	Wildlands, Inc	United States, California
Half Mile Lane	10001	Species Habitat Wetland Habitat Wetland Habitat Water Quality Wetland Habitat Wetland Habitat Wetland Habitat Wetland Habitat	COTE: Willamette: Salmonid COTE: Willamette: Wetland Habitat Oregon Wetland Regulatory (Ratios) Standard COTE: Willamette: Water Quality (Temperature) COTE: Willamette: Wetland Habitat Oregon Wetland Regulatory (Ratios) Standard Oregon Wetland Regulatory (Ratios) Standard Oregon Wetland Regulatory (Ratios) Standard	Salmonid Freshwater Wetland Freshwater Wetland Temperature Freshwater Wetland Freshwater Wetland Freshwater Wetland	Active	Oregon Department of State Lands	United States, Oregon
Kreyenhagen Hills Conservation Bank	10009	Species Habitat	US Fish & Wildlife Service Conservation Banking	San Joaquin Kit Fox	Active	Wildlands, Inc	United States, California
Laguna Terrace East Conservation Bank	10011	Species Habitat	US Fish & Wildlife Service Conservation Banking	Vernal Pool Preservation	Active	Wildlands, Inc	United States, California
Malua BioBank	10002	Species Habitat	Global Biodiversity Conservation (Various)	Biodiversity & Habitat Conservation	Active	The Eco Products Fund, L.P.	Malaysia
Prickly Pear Creek Instream Flow Restoration	10005	Water Quantity	BEF Flow Restoration Standard	Water Flow Restoration	Active	Bonneville Environmental Foundation	United States, Montana
Ridge Cut Giant Garter Snake Conservation Bank	10007	Species Habitat	US Fish & Wildlife Service Conservation Banking	Giant Garter Snake	Active	Wildlands, Inc	United States, California
Sutter Basin Conservation Bank	10017	Species Habitat	US Fish & Wildlife Service Conservation Banking	Giant Garter Snake	Active	Westervelt Ecological Services	United States, California
The Middle Deschutes Instream Flow Restoration	10004	Water Quantity	BEF Flow Restoration Standard	Water Flow Restoration	Active	Bonneville Environmental Foundation	United States, Oregon

Half Mile Lane (ID: 10001)

4036 Half Mile Lane, Forest Grove, Oregon, United States

Developer Oregon Department of State Lands

Description Wetland and Stream Mitigation Bank

Website

Start date 19-Mar-2010

Documents

- [Project Design Document](#)
- [Letter linking project names & references](#)
- [Self Validation Checklist](#)
- [Notice of Validation](#)
- [Accounting Unit Area Map \(refer Validation reports\)](#)
- [Service Area Map](#)
- [Verification Report](#)
- [Agency Certification](#)



Accounting Units

Area 1 - Floodplain & Channel:

Category	Standard	Project Type	Development Action (s)	Unit Type	Additional Credit Information	Linked
Species Habitat	COTE: Willamette: Salmonid	Salmonid	Habitat Restoration, Riparian Restoration, Enhancement	Weighted Linear Feet		Yes Details
Water Quality	COTE: Willamette: Water Quality (Temperature)	Temperature	Riparian Restoration	Kcal/day		Yes Details
Wetland Habitat	COTE: Willamette: Wetland Habitat	Freshwater Wetland	Wetland Restoration, Enhancement	Functional weighted acres		Yes Details
Wetland Habitat	Oregon Wetland Regulatory (Ratios) Standard	Freshwater Wetland	Wetland Restoration, Enhancement	Acres of wetland habitat		Yes Details

Area 2 - Wetland:

Category	Standard	Project Type	Development Action (s)	Unit Type	Additional Credit Information	Linked
Wetland Habitat	COTE: Willamette: Wetland Habitat	Freshwater Wetland	Wetland Restoration, Enhancement, Creation	Functional weighted acres		Yes Details
Wetland Habitat	Oregon Wetland Regulatory (Ratios) Standard	Freshwater Wetland	Wetland Restoration, Enhancement, Creation	Acres of wetland habitat		Yes Details