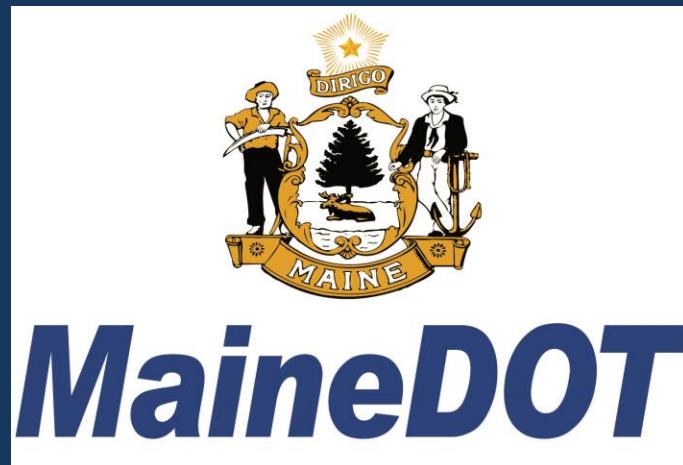


Implementing Eco-Logical in a World of Schedules and Salmon

Judy Gates, Environmental Office



Integrity ~ Competence ~ Service

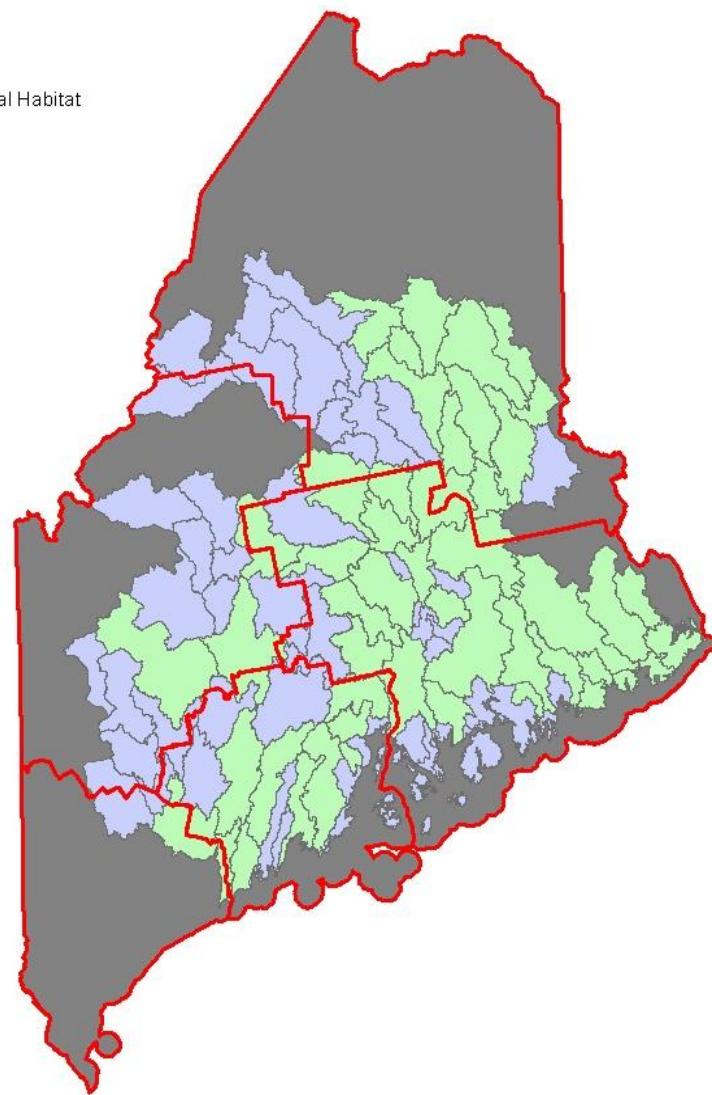


Atlantic salmon



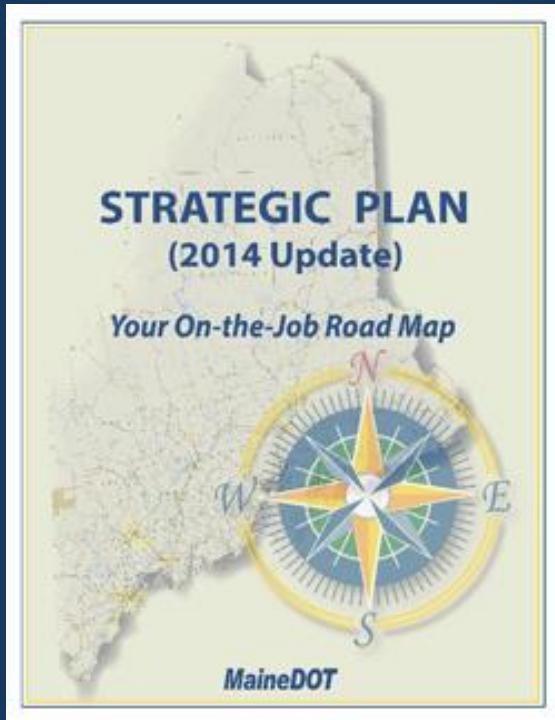
Atlantic Salmon DPS and Critical Habitat

DPS
Critical Habitat



0 12.5 25 50 75 100 Miles

The Facts...



- Schedule (>85% on time) & budget (< 20% vs. award) are two of MaineDOT's "Capstone" performance measures.
- Approximately 25% of stream projects per work plan year (~50) require consultation for Atlantic salmon.
- Of those 50, about 10 require formal consultation.
- Section 7 is critical path on 100% of projects intersecting with Atlantic salmon.
- Expectations vary widely ; design & construction methods do not.
- ~98% of projects qualify for Categorical Exclusions
- Where salmon are an issue, 100% of projects have missed their original target date for completing consultation

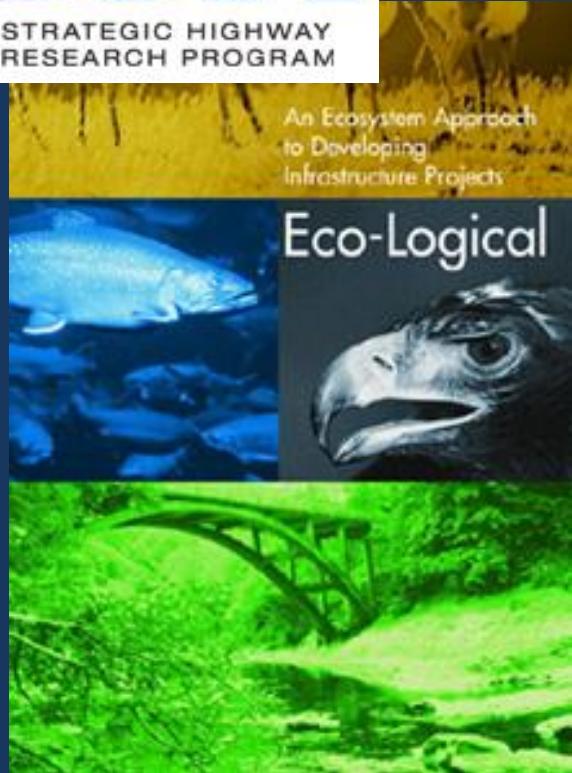
More Fun Facts...



- Time estimated for completion of a Biological Opinion assumes ONE person working full time on ONE project
- Restoration priorities are hard to come by
- “Nimble” is not in the regulations
- No take of adult Atlantic salmon allowed
- Document requirements are fluid: if it looks like a BA and talks like a BA, do BA timeframes apply?
- Our performance measures bounce

АHHHHHH!!!!

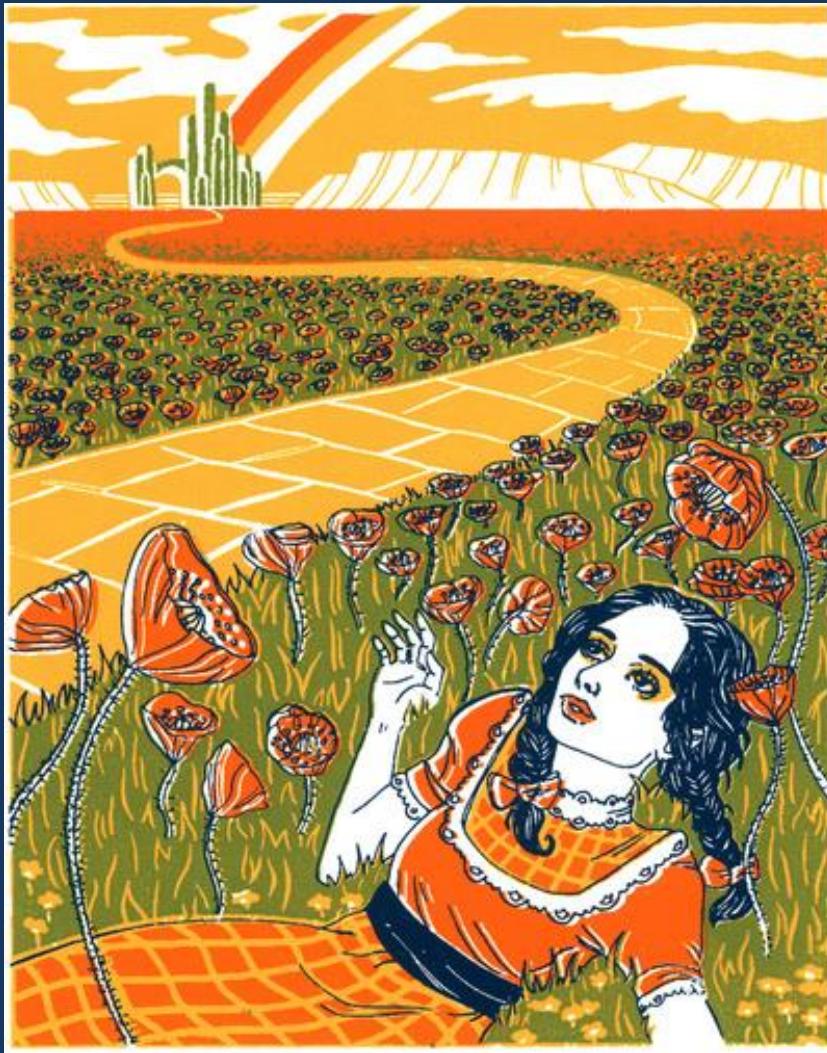




Implementing Ecological Funding Assistance Program

\$250,000

18 months



By Julie Minamata



Coming together is a beginning; keeping together is progress; working together is success.

Henry Ford



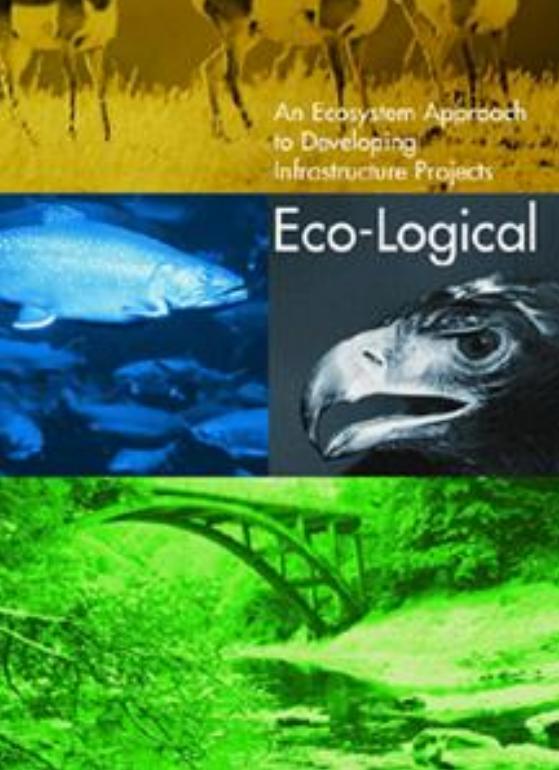
**If there is no struggle,
there is no progress.**

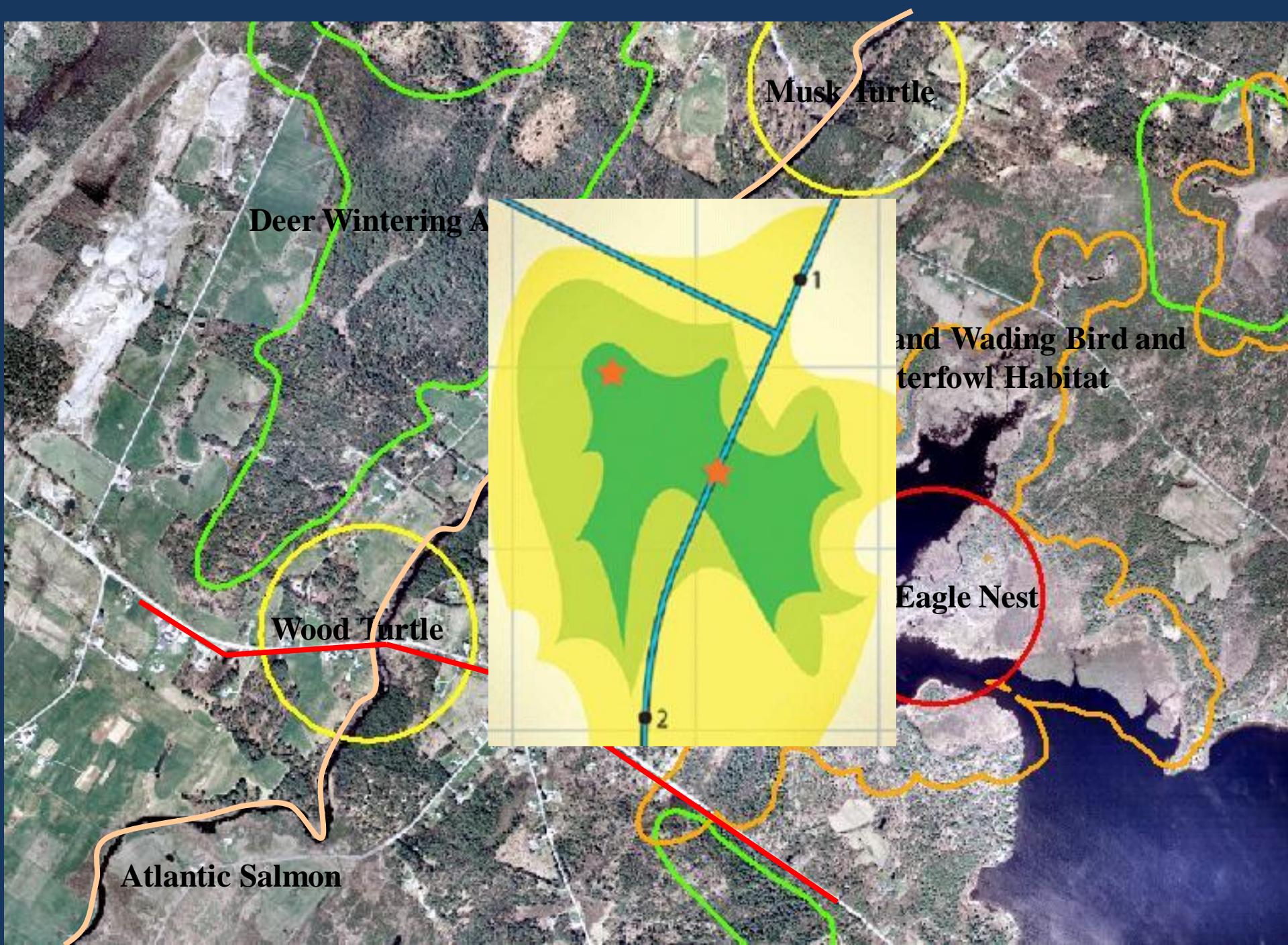
Frederick Douglass



So how are we doing?

Deliverable/Activity	Timeframe
Gap analysis	6/2013 – 8/2013
Draft modified IEF	8/2013 – 9/2013
Draft work flow map	9/2013 – 10/2013
Design and construction BMPs	7/2013 – 1/2014
Programmatic Agreement	1/2014 – 9/2014
Draft ecosystem crediting strategy	10/2013 – 6/2014
Final work flow map	9/2014 – 12/2014
Documented benefits/efficiencies	9/2014 – 11/2014
Implementation schedule for full work plan	11/2014 – 12/2014

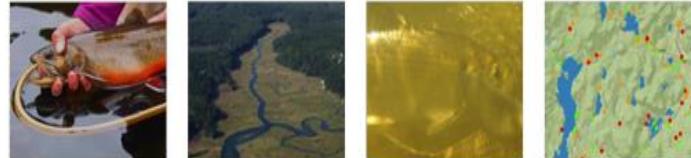
- 
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Maine Stream Habitat Viewer

Maine Stream Habitat Viewer

Maine Stream Connectivity
Work Group and Maine Office of GIS



Home Use the Viewer How To Contacts About Barriers Training Barrier Surveys Partners

Bird's Eye View Google Street View

Augusta

Catalog Birds Eye View

Rearing

Potential Modeled Rearing Habitat

Class 1 Class 2 Class 3

Habitat Recovery Units

Alewife Sea-Run Rainbow Smelt Wild Eastern Brook Trout Tidal Marshes

Supplemental Habitat Layers

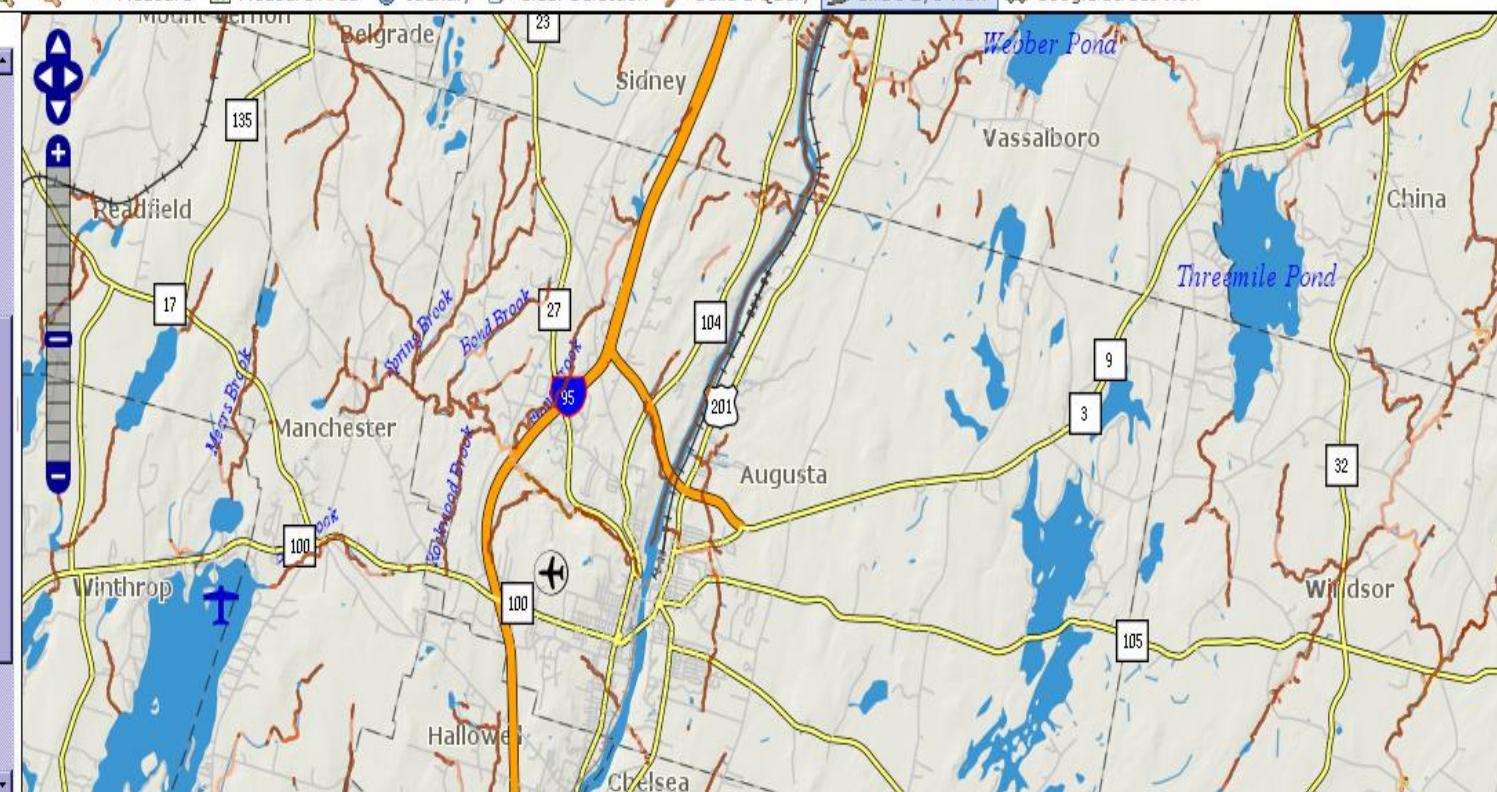
Base Layers State and County Boundaries

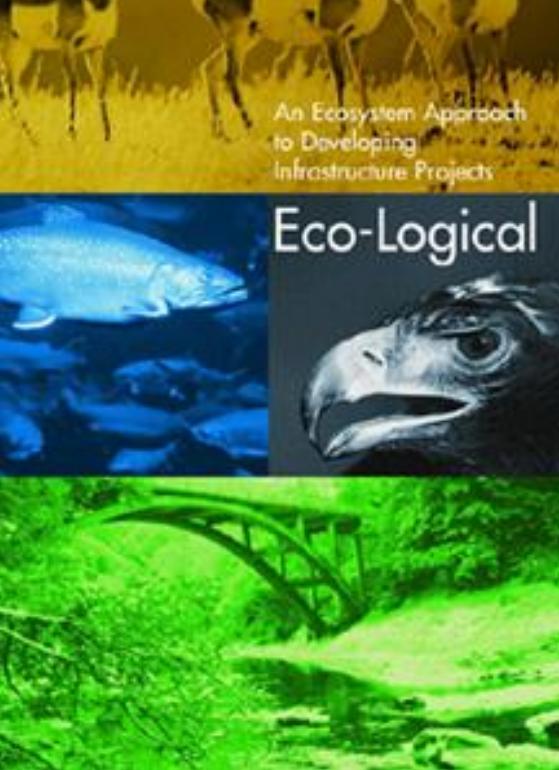
State Lines County Lines

Town Boundaries and Names

County Names

Transportation Water Features Watersheds



- 
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“Priority” Crossings

Maine Stream Habitat Viewer

Maine Stream Connectivity
Work Group and Maine Office of GIS

The map displays stream networks and roads across Maine, with various symbols indicating barrier status at stream crossings. Red dots represent barriers, orange dots represent potential barriers, and green dots represent no barrier. Major roads are labeled with route numbers (e.g., 135, 17, 27, 95, 104, 201, 3, 32, 105). Towns like Augusta, Winthrop, Manchester, Belgrade, Sidney, Vassalboro, China, and Windsor are visible. The map also shows several large bodies of water, including Three Mile Pond and Webber Pond. A legend on the left provides a key for these symbols.

Home Use the Viewer How To Contacts About Barriers Training Barrier Surveys Partners

Birds Eye View

Catalog Surveyed Stream Crossings Stream Crossings

- Barrier
- Potential Barrier
- No Barrier

Dams

Natural Barriers

Impassable Waterfalls

High Interest Habitats

- Atlantic Salmon
- Documented
- Surveyed Spawning Habitat
- Limited Spawning
- Spawning
- Surveyed Rearing Habitat
- Rearing

Potential Modeled Rearing Habitat

Augusta

Measure Measure Area Identify Clear Selection Build a Query Bird's Eye View Google Street View

135 17 27 95 104 201 3 32 105

Belgrade Sidney Vassalboro China

Three Mile Pond

Webber Pond

Redfield Manchester Augusta Hallowell Chelsea Windsor

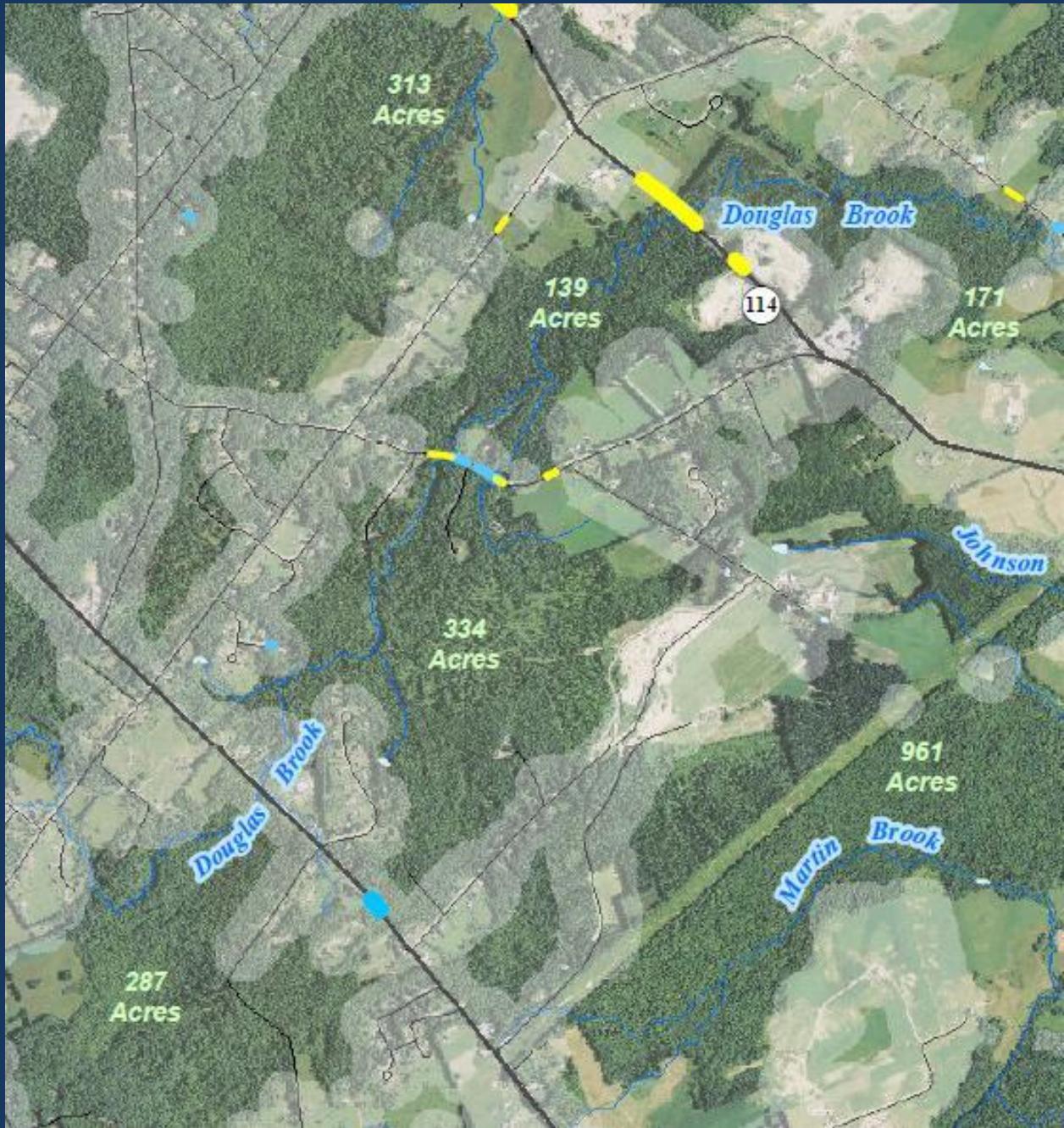
Winthrop

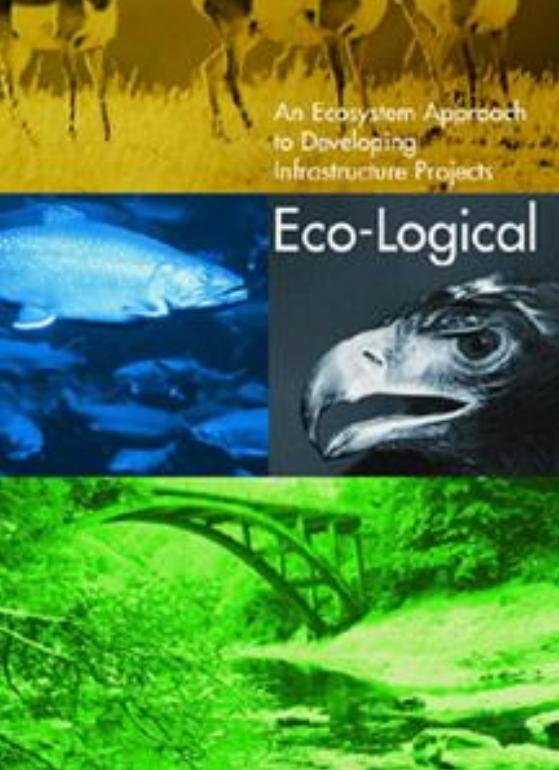
Spring Brook Bond Brook

Merriam Brook

Bull Brook

Maine Conservation Priorities

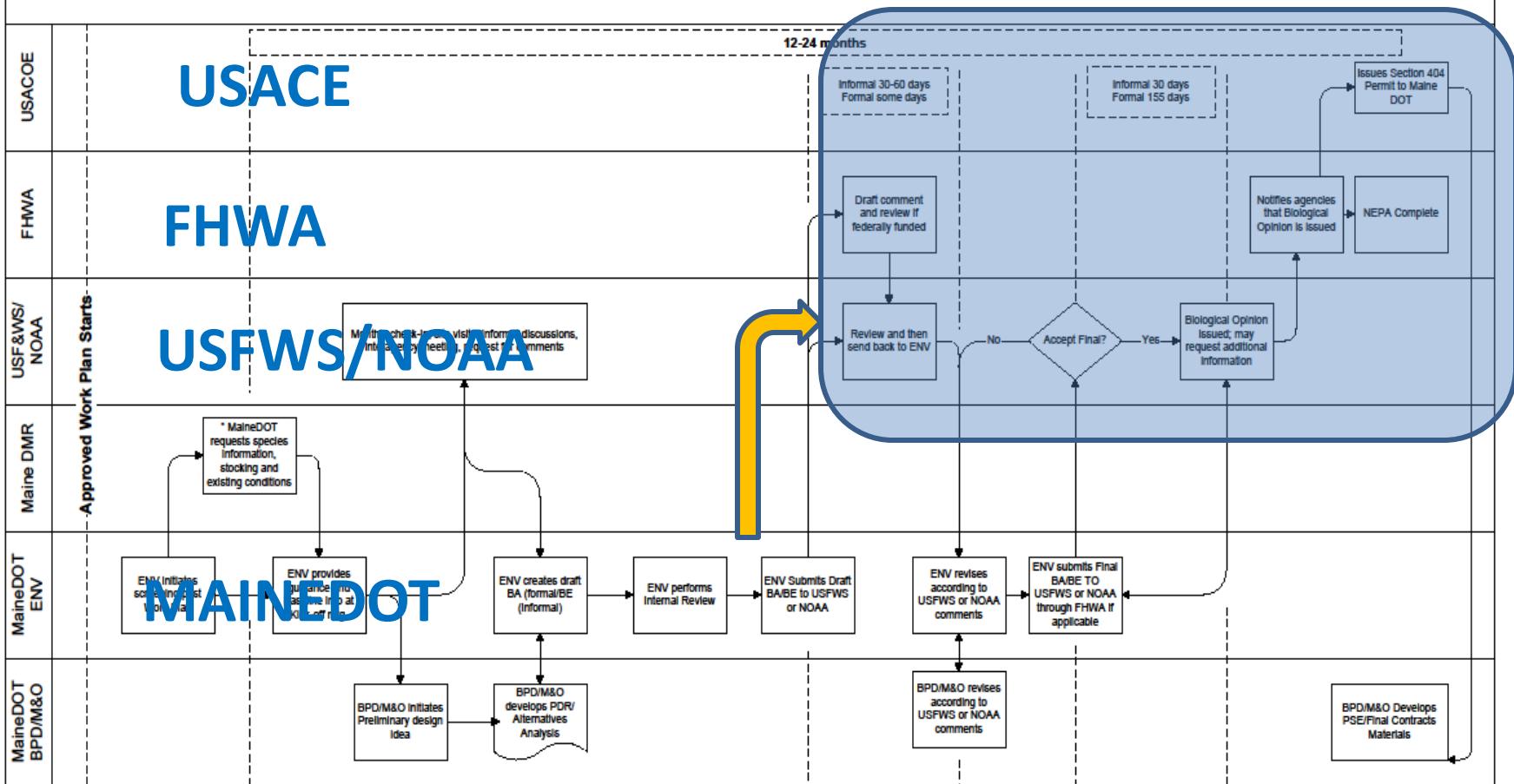


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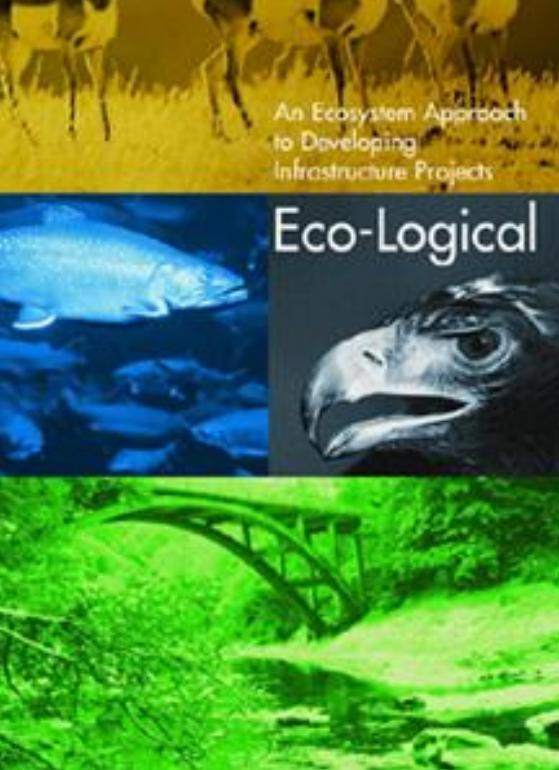


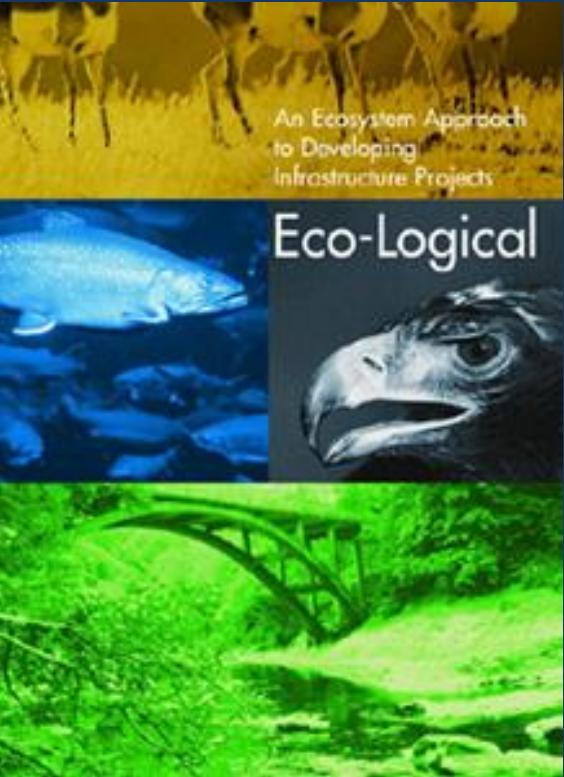


Multi-agency Implementation for Section 7 of the Endangered Species Act – Current process



* Not regulatory at Federal level – advisory on local habitat, quality, presence of species, etc.

- 
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Things we've learned from the wise (or not so wise) salmon...

- The stream less traveled is that way for a reason
- And we don't always get to know why
- Once you're in the turbulence, it's hard to see where you're going
- Some people focus on the lipstick, some focus on the pig
- Sometimes throwing money at a problem is helpful, if distasteful
- Even a village can get discouraged
- A step in any direction is progress

