Project Implementation

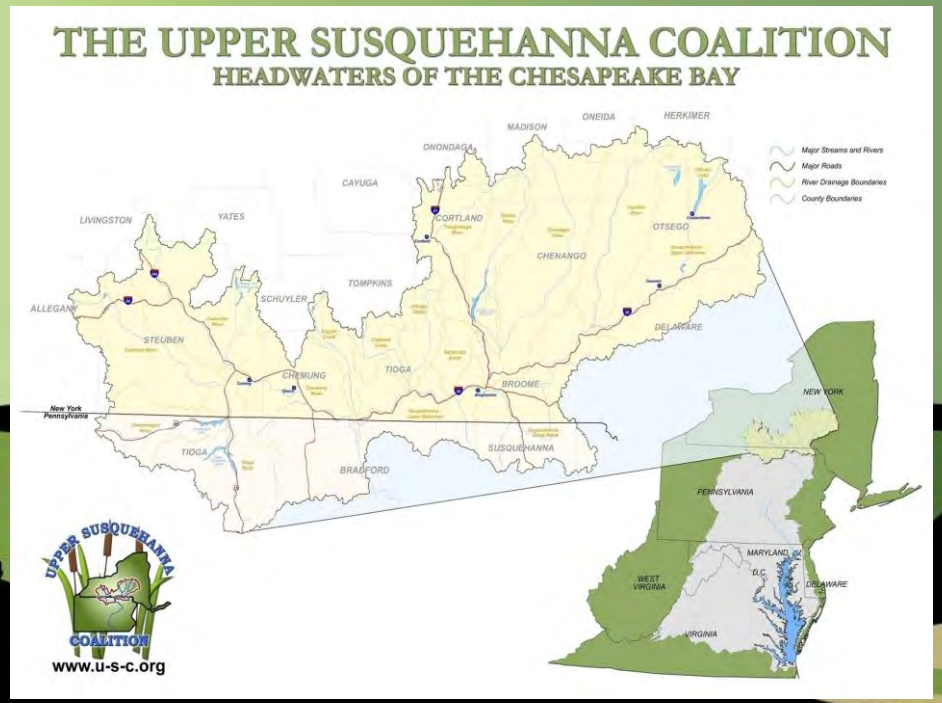
How to get it accomplished start to finish

First, what are the available programs

- Federal:
  - Conservation Reserve Program (Maybe Enhanced, depending on location)
    - Farm Service Agency Program
  - Environmental Quality Incentive Program
    - Natural Resource Conservation Service
- State:
  - Whole host of potential program depending on land use and issue
  - Trees for Tributaries Program

Programs….

- Upper Susquehanna Coalition
  - Riparian area in need of reforesting? What do you need?
  - Secure and coordinate funding from Federal, State, and private entities.



Program components

- How much cost share does program provide?
- Are there programmatic incentives?
- Riparian buffer width requirements
- Species number and type requirements
- Maintenance requirements
- MAY BE CUMBERSOME?

Forget about the programs!

- Just for a little while!
- Plan the area with landowner goals, and community goals in mind. Find a program that fits (more or less) and make small changes to meet the program goals.
- There are experts! Tompkins SWCD, Upper Susquehanna Coalition, other interdisciplinary/ multiagency folks.

What do you tube?

Tubes

Reasons for Tree Shelter Success (4’ V. 5’)

- Protection from herbicide drift
- Defense against mammal herbivory
- Reduced mechanical damage
- Lateral branch suppression
- Reduced trunk tapering
- Lower water stress

Tree Shelters vs. Unprotected

- Numbers represent average across all species and weed control treatments.

- Tree shelters (49% survivability and 77.6 cm of growth)
- Unprotected (12% survivability and 3.6 cm of growth)

- Seedling with tree shelters grew 21 times faster than unsheltered seedlings.

Mats…
Consider the timing of planting, other types of weed management.

Mats- can you get the staples in?

Meadow vole – aka microbeaver

Joe Kosack/PGC Photo

Stakes- all plants, please

Lesson 1: Plan for site conditions.

Planning **considerations:**

- Supplemental materials
  - Tubes, mats, stakes
- Site conditions
  - Soil conditions
  - Stream conditions
  - Site prep needs
- Access
- Other practices needed?

Stabilization Layout

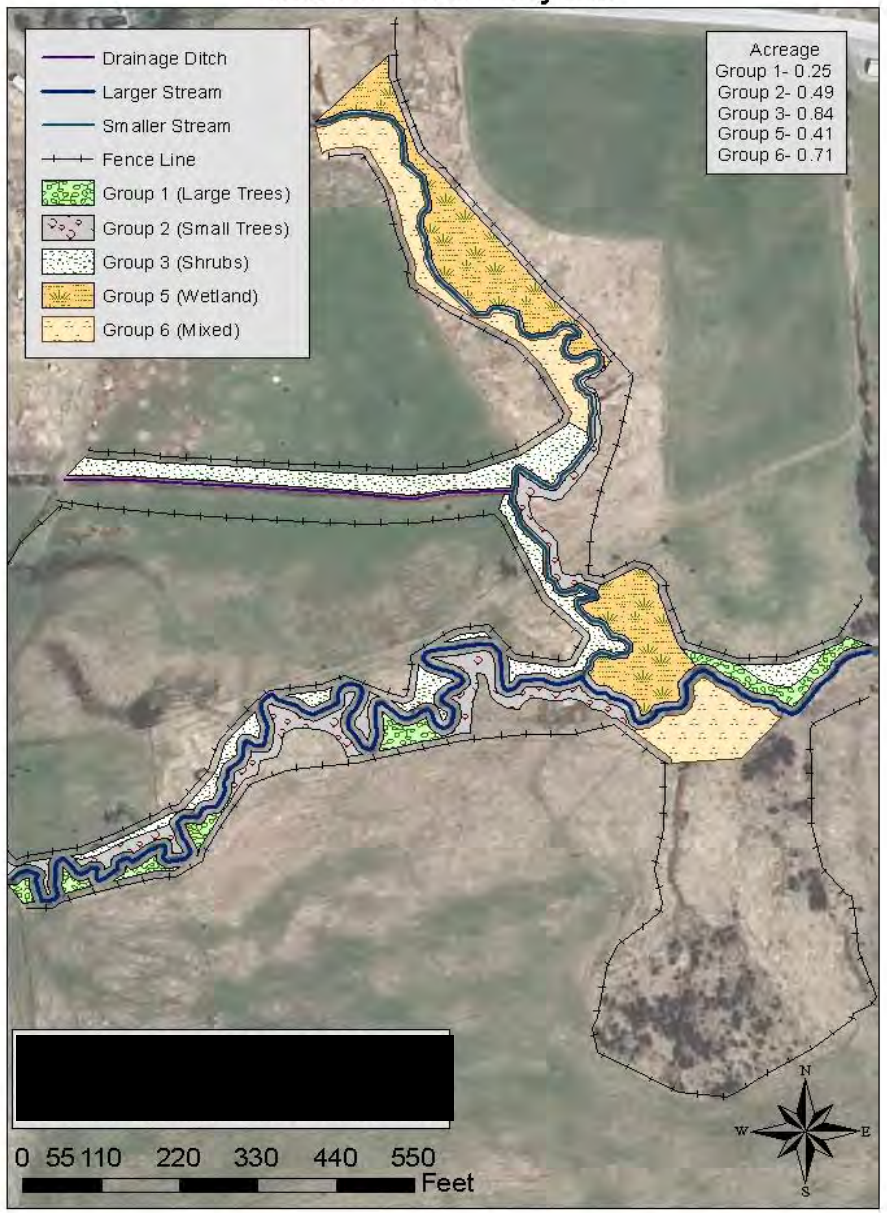


Table 1.Species Composition			
Large Trees	Wind Break Trees	Floodplain Tolerant Species	Small Trees	Shrubs
American Sycamore	Tamarack	River Birch	River Birch	Red stem Dogwood (ST)
Red Oak	White Spruce	Pussy Willow	Willow Varieties	Grey Dogwood (ST)
Yellow Birch	Red Oak	Yellow Birch	Speckled Alder	Silky Dogwood (ST)
White Spruce	White cedar	Tamarack		Nannyberry (ST)
	White pine	Grey Dogwood		Highbush Cranberry (ST)
		Silky Dogwood		Pussy Willow (SI)
(SI)= Shade Intolerant		Red stem Dogwood		
(ST)= Shade Tolerant		American Sycamore		
		Speckled Alder		

Other project needs- before the buffer goes in?

Lesson 2: Site Prep- all sites need it!


75XT

Prep: Layout the project- have materials at each location for volunteers

Lesson 3: Secure planters (and make sure they can plant a tree)

Happy Volunteers = Successful Project!

Professionals…

Lesson 4: Sweep the site for tools, unplanted areas, etc.

Lesson 5: Plan for and perform maintenance, keep track of survival!

Management Tips

- Provide to landowner:
  - Maintenance calendar- Trees for tribs and/or CBF in PA.
  - Contractor list

- Hold hands…
  - Contractors unavailable?
    - How about volunteers? Show interest of the community to landowners.

Trees for Tributaries: outreach program and gap filler!

Trees for Tributaries Program Provides

- Materials
  - Stake
  - Mat
  - Tube
  - Staples
- Plants
  - Bare root
  - Fall- potted
- Technical Assistance
  - District and/or USC staff

Program Requirements

- Stream
- Application (2 pages)

  Includes project information

  Applicant agreement:

  - Don't mow/cut plants
  - Monitor project site
  - Potentially water during drought

No go's

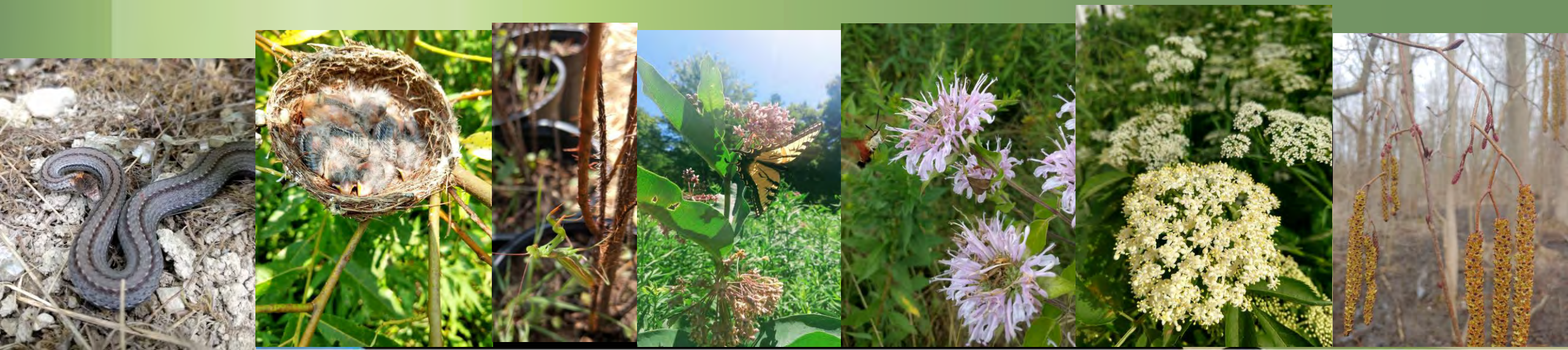
1. FEMA buy out lots;
2. Ponds/lakes may not qualify without distinct outlet;
3. Not on opposite side of road from stream/river

Materials List

- Tubes
  - Shrub
  - Tree
- Mats
  - Vispore
  - Coco fiber
- Wooden stakes
  - 5’
  - 4’

Program implementation over the years

Year	Number of plants	Number of projects	Plants/project
2016	9352	27	346
2017	2979	7	426
2018	4525	15	302
2019	5900	19	311



Project Diversity

- Smallest project- FLLT (20 plants)
- Largest project- Cortland Co SWCD (1,100): exclusion fence, grazing, wetland enhancement.
- Some projects just shrubs
- Some projects just trees

Success story- Hickories Park in Owego
Planted in spring 2016
Mowed for 3 years by park

Hickories Park 2018

Hickories 2019

Questions?

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