



pennsylvania

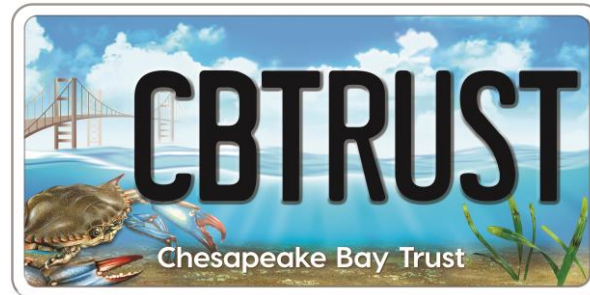
DEPARTMENT OF CONSERVATION
AND NATURAL RESOURCES



pennsylvania
DEPARTMENT OF CORRECTIONS



ALLIANCE
for the Chesapeake Bay



PA's Correctional
Conservation
Collaborative(CCC):
GIT Scope #10



Chesapeake Conservation Landscaping Council



Hirschman Water & Environment, LLC

Stormwater & Stewardship

Final Report

May 2021

GIT Scope #10
Results
Presentations -
Suggested
Target
Meetings &
Presentations

- PA RFBAC - Fall 2021
- Chesapeake Watershed Forum - November 2021
- Bay Program Forestry Workgroup
- VA Buffer Summit 2021?
- PA Buffer Summit - February 2022
- CCLC's Turning a New Leaf - Dec 2021
- New Garden Society – 2022
- ELA Webinar - 2022

GIT Scope #10
Results
Presentations -
Other Target
Groups
(June-Dec 2021)

Key PA State Agency Secretaries

Workforce Development Groups
in Bay Region States

Community Colleges in Bay
Region States

Other Invited Guests

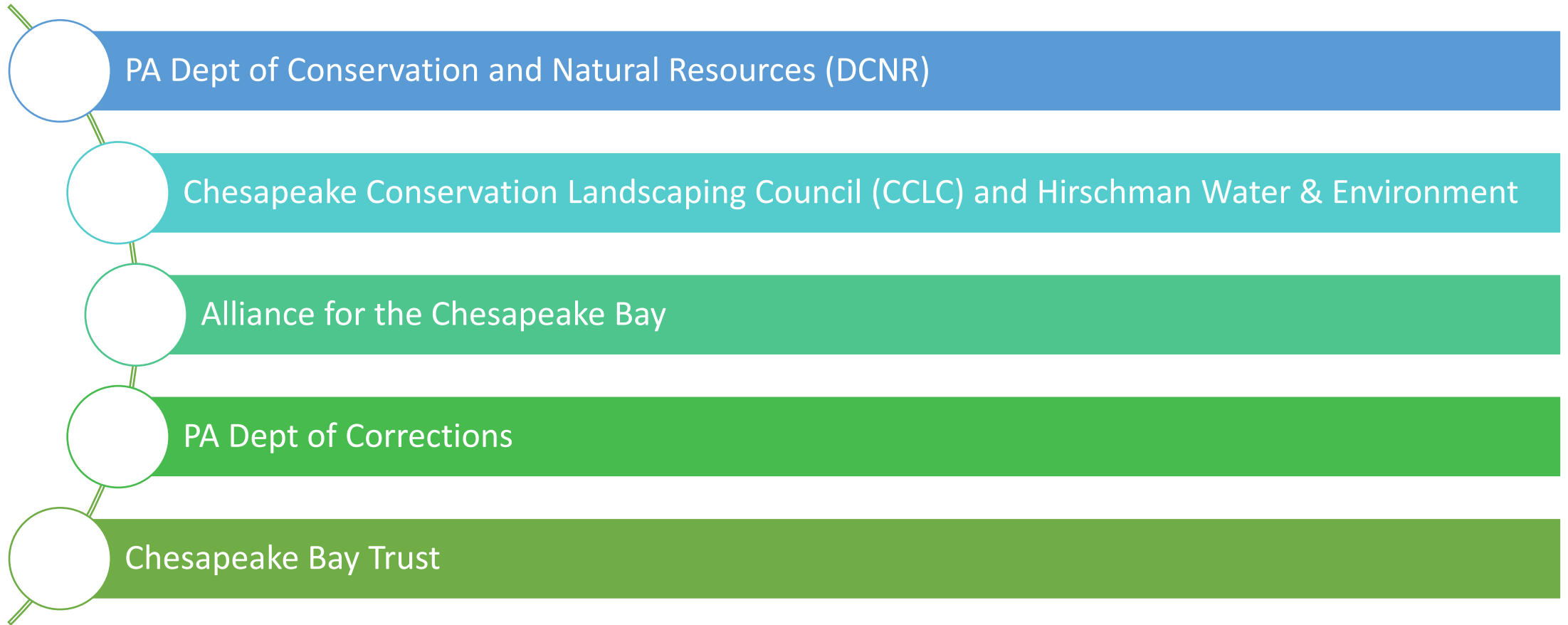
CCC GIT Scope #10 - Project Goals

Analyze, assess and refine the recent PA Correctional Conservation Collaborative (CCC) program, to allow for expansion across Pennsylvania and the Bay watershed

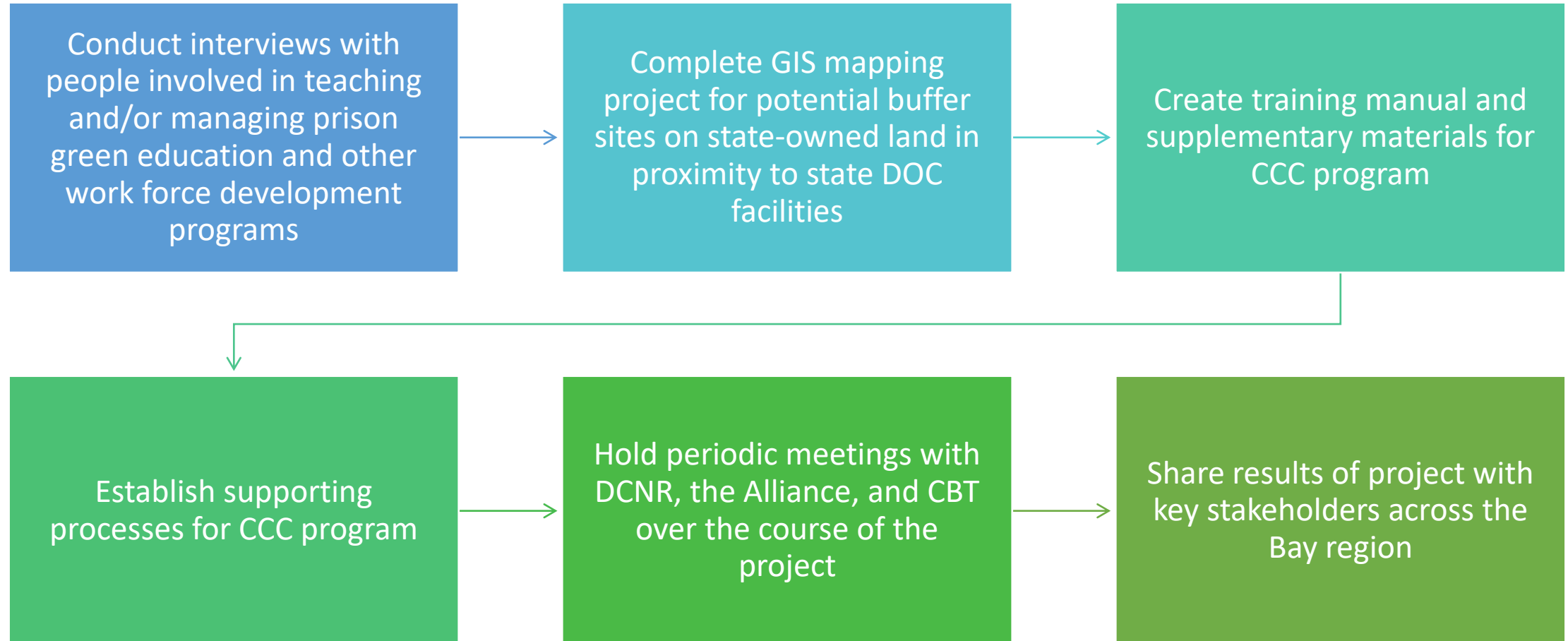
Research and gather information about other corrections-based and work force development efforts in the Bay region and across the country

Use research to inform and develop a series of reports, contact lists, checklists, assessments, a training manual and curriculum, and other supporting materials to facilitate expansion of the CCC

GIT Project Team



GIT Scope #10 Process



Executive Summary – Key Questions

Are there relevant models and lessons learned for the CCC as it continues to grow?

Is there an adequate population within SCIs for the CCC to expand?

Are there adequate field sites on SCI property or in surrounding communities where CCC participants can get hands-on experience with riparian forest buffers?

Does the CCC have structure and flexibility for different types of SCIs?

Would the CCC credential provide a realistic path to employment for participants?

What is needed for continued success of the CCC program?

GIT Scope #10 Deliverables

Interview Summaries

GIS Maps and Spreadsheets

Training Manual Documents & Website

- Modules and Supporting Materials:
 - General Environmental
 - Riparian Forest Buffers
 - Arboriculture/Forestry

Spreadsheet Lists:

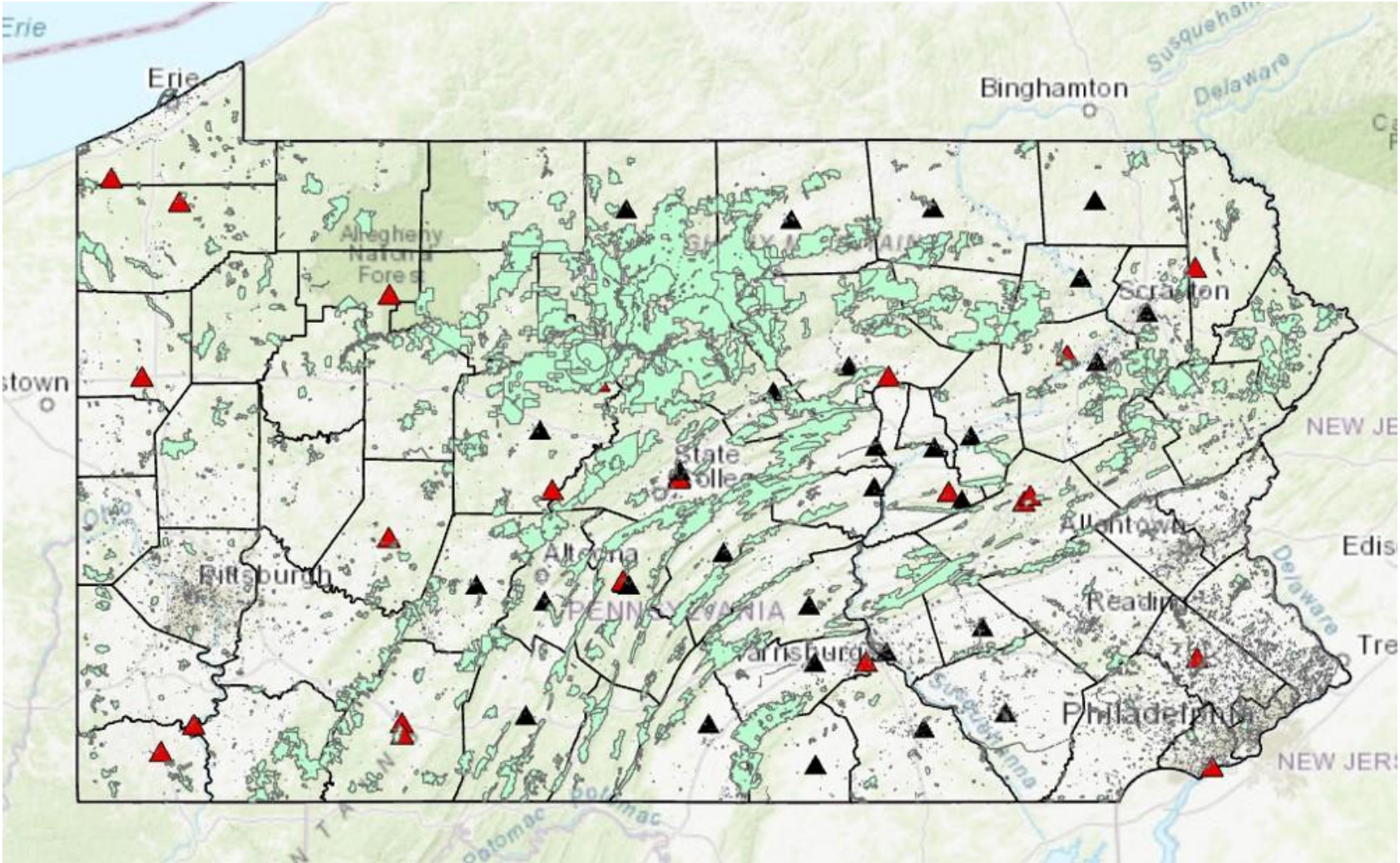
- Interview subjects
- Professionals who install RFBs; Professionals who do tree care; Professionals interested in hiring CCC returning citizens
- Instructors for CCC
- Funding sources

Plans For:

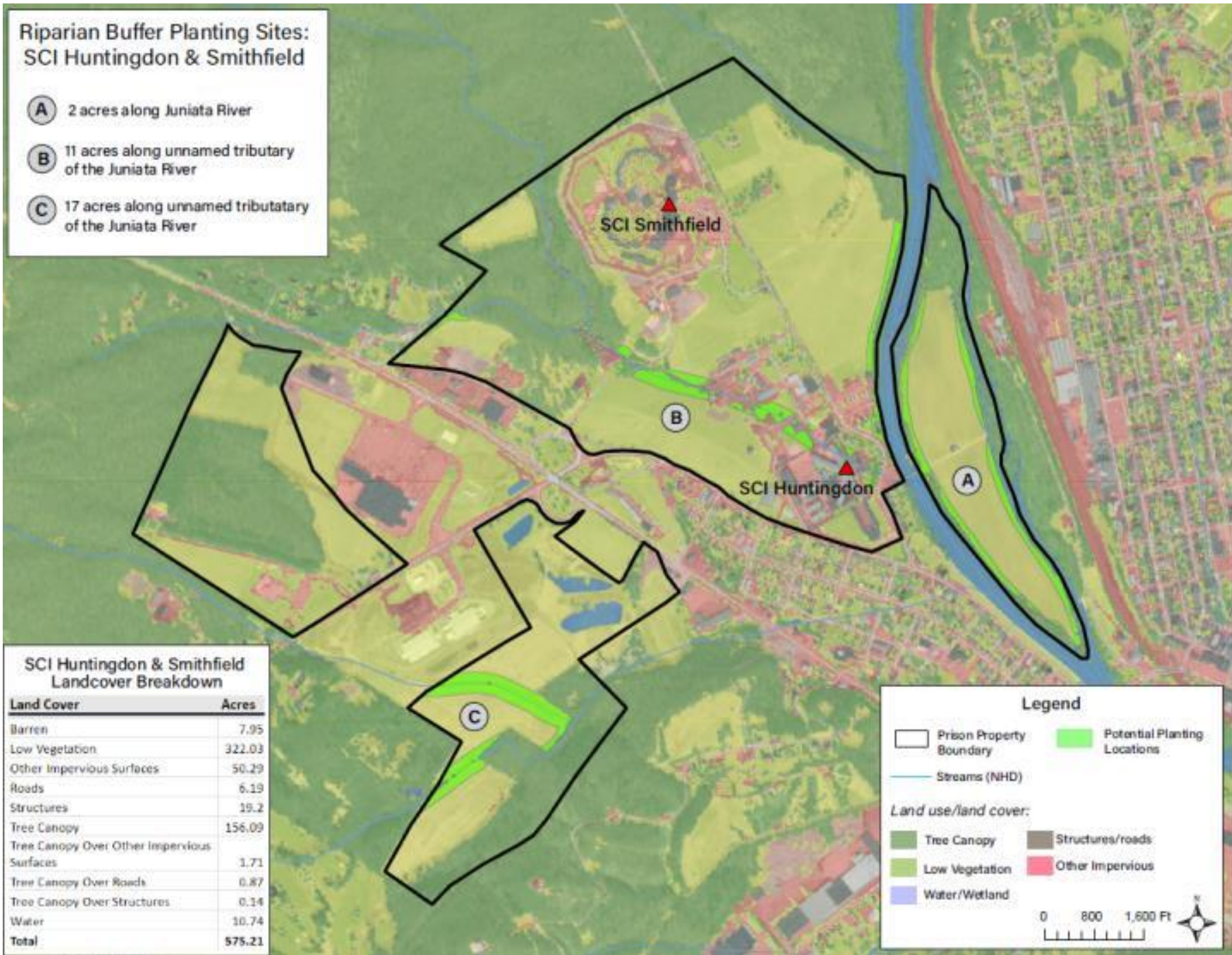
- Labor & Industry apprenticeship work process schedule
- CCC post-release communication
- CCC post-release scholarships
- CCC post-release employment connections
- Establishing a new business in PA

Executive Summary

Mapping Project: Unbuffered Local & State Public Land Identified



SCI Huntingdon



SCI Quehanna Boot Camp

Quehanna Boot Camp: Potential Planting Sites within a 30-mile radius

only sites with Score >=15 OR Buffer Planting Acres >=15 are shown

Site ID	Site Name	Streams	Acres	Score**
1	Martin Bessie National Area	Madio Run, Middle Bennett Branch, Sinnemahoning Creek, Mox Run, Lower Bennett Branch, Sinnemahoning Creek	50.99	20
4	Moshannon State Forest	Sinnie Run, Middle Moshannon Creek, Cold Stream	29.11	20
5	Moshannon State Forest	Lauri Run	19.33	12
6	Moshannon State Forest	Madio Run	20.87	10
7	Moshannon State Forest	Trout Run	14.74	11
21	Quehanna Wild Area	White Run, Mosquito Creek	29.89	23
22	Quehanna Wild Area	Headwaters, Mosquito Creek, Dufford Run, Mosquito Creek	18.61	11
23	Spruce State Forest	Sandy Run, Beach Creek, North Fork Beach Creek	23.40	21
24	Bucktail State Park	Grove Run, Sinnemahoning Creek	15.52	6
61	Elk State Forest	Huron Run	72.68	64
68	Moshannon State Forest	Madio Run	28.14	14
68	Quehanna Wild Area	Wynch Run, Grove Run, Sinnemahoning Creek	17.18	10
65	Kettle Creek State Park	Lower Kettle Creek	12.54	27
70	Sinnemahoning State Park	Middle First Park, Sinnemahoning Creek, Lower First Park, Sinnemahoning Creek	3.91	10
84	State Game Land 109	Spring Run, Lower Three Runs, West Branch Susquehanna River	20.56	13
103	Moshannon State Forest	Lauri Run	17.86	12
105	Spruce State Forest	Sandy Run, Beach Creek, Big Run, Sinnie Run, Middle Moshannon Creek, Black Moshannon Creek, Lower Moshannon Creek	22.10	18
107	Black Moshannon State Park	Lower Kettle Creek	39.23	24
124	Kettle Creek Lake	Lower Kettle Creek	20.21	26
123	Elk State Forest	Spring Run, Trout Run, Devils Run, East Branch, Hicks Run, Hicks Run, Lower Bennett Branch, Sinnemahoning Creek	28.15	25
135	Martin Bessie National Area	Headwaters, Mosquito Creek	64.40	31
138	Spruce State Forest	Sandy Run, Beach Creek, Beach Creek, Marsh Creek	15.05	11

Public Lands:

- State Park
- State Forest
- State Game Lands
- Fish & Boat Commission
- Local Park

- State Correctional Facility
- County Correctional Facility

Sites by Acres:

see table for exact area of each site

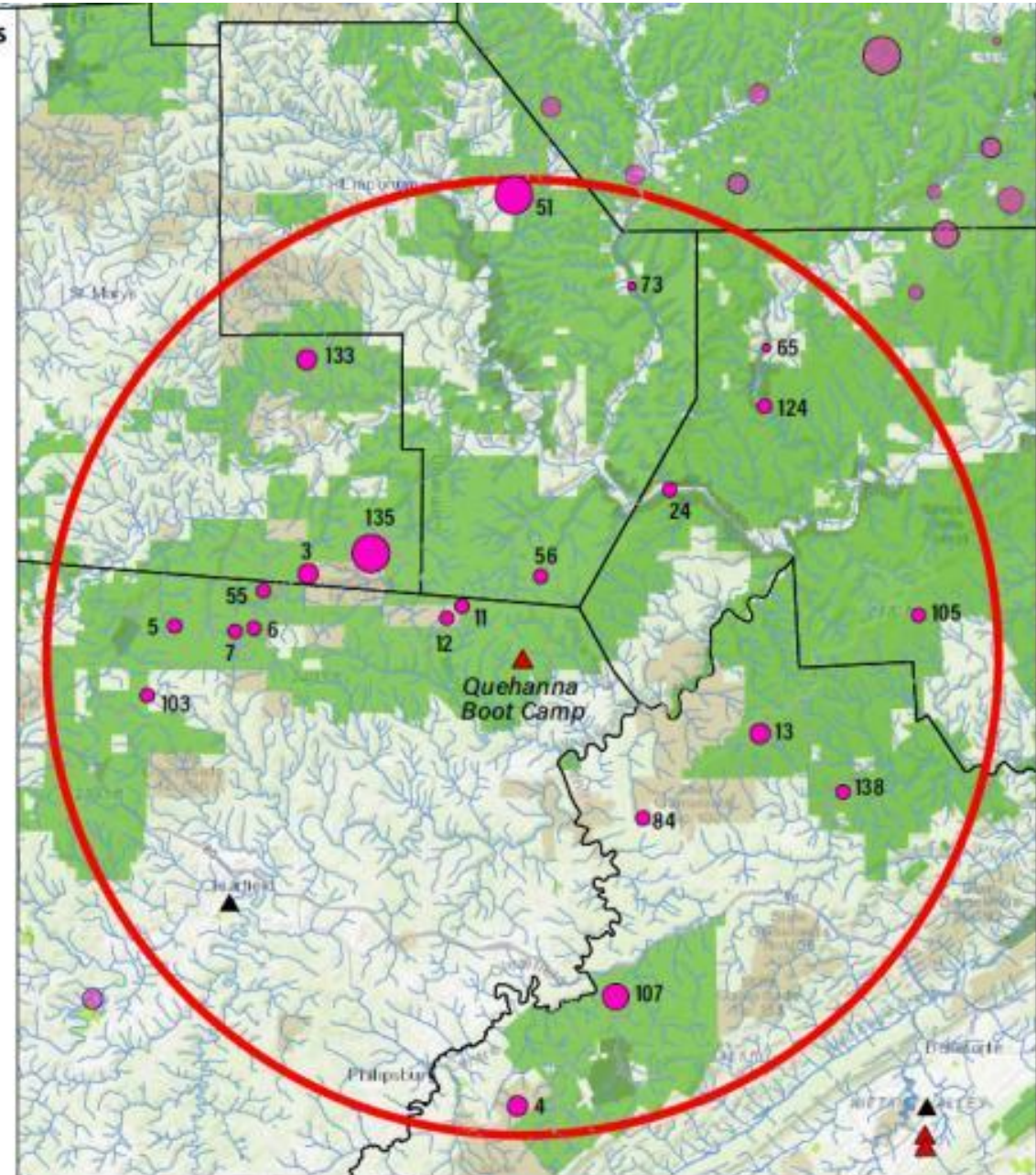


Smaller Larger

103 Site ID

30 mile radius

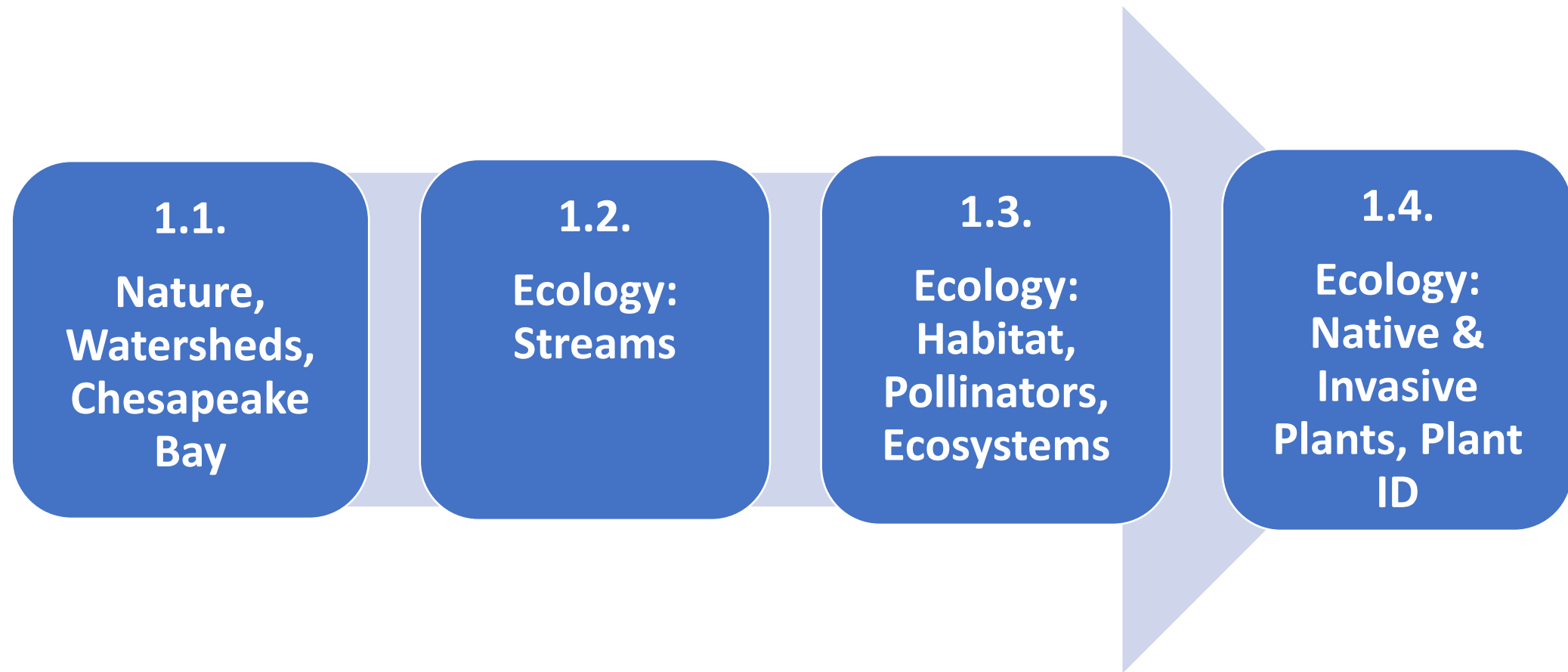
Streams (NHD)



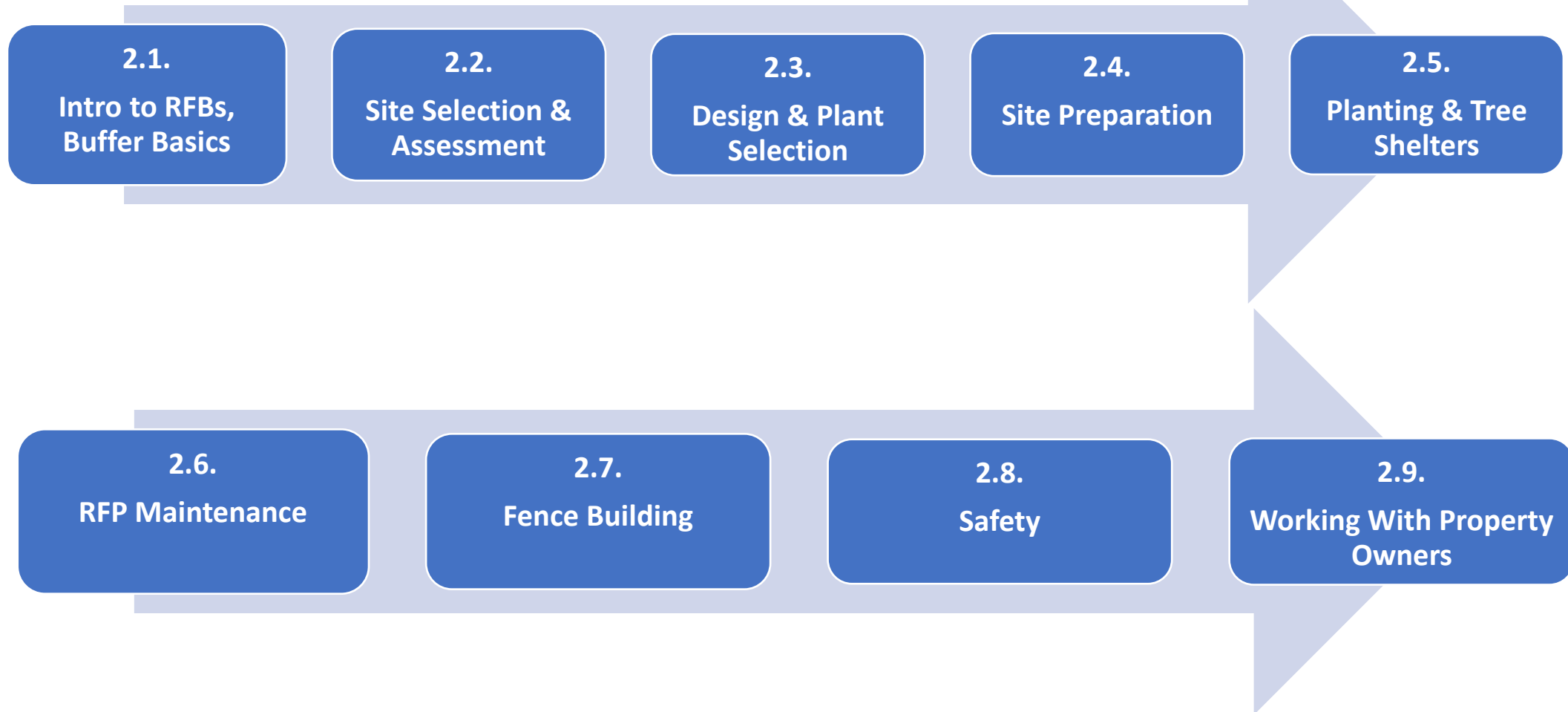
*Score = PALTA Priority Score** x Buffer Planting Acreage

**PALTA Priority Scores were calculated by the Pennsylvania Land Trust Association in a 2019 study of potential riparian buffer planting areas in PA, and take into account Topographic Wetness Index, Upslope Land Cover and Sediment Trapping Efficiency

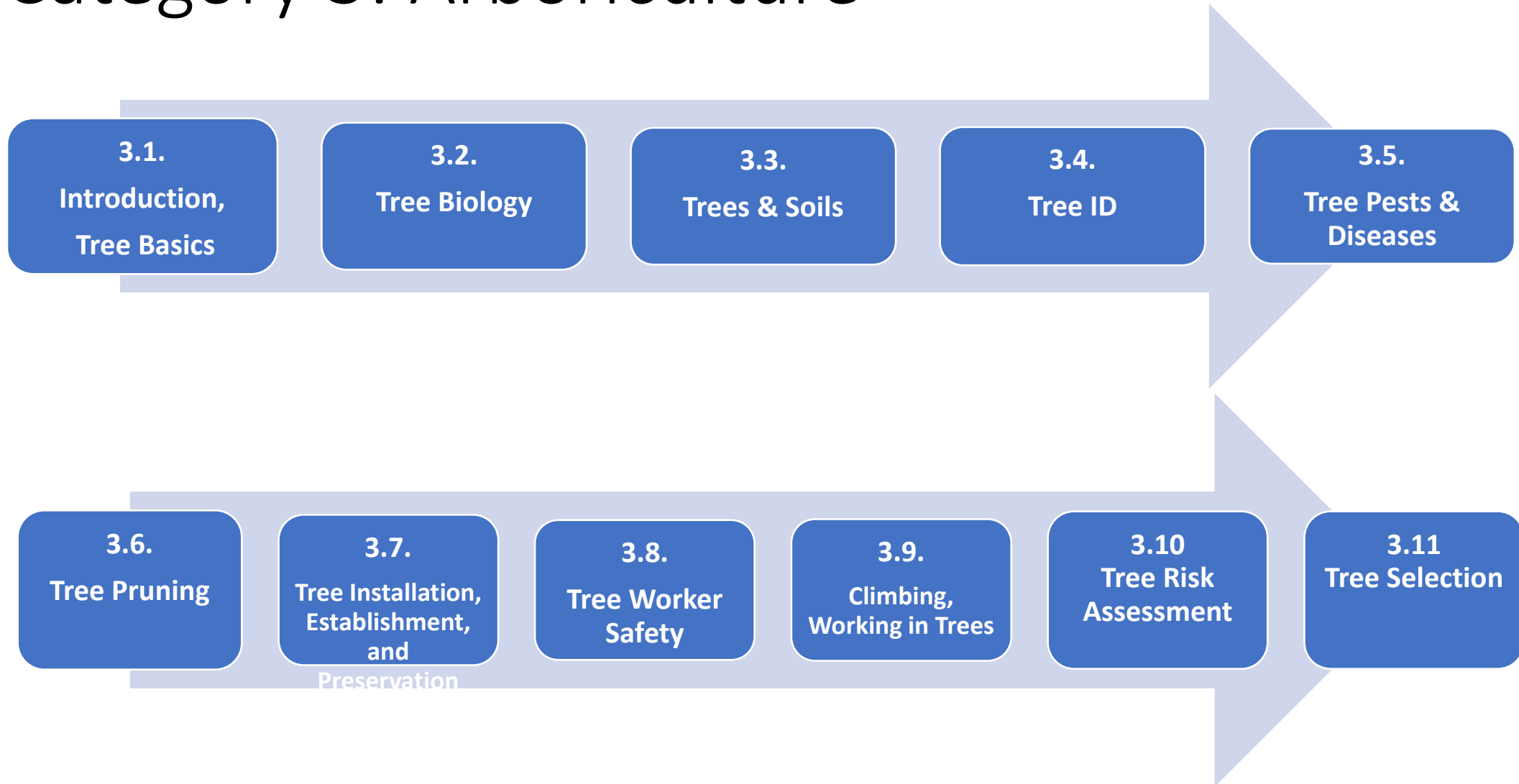
Correctional Conservation Collaborative: Category 1: General Environmental



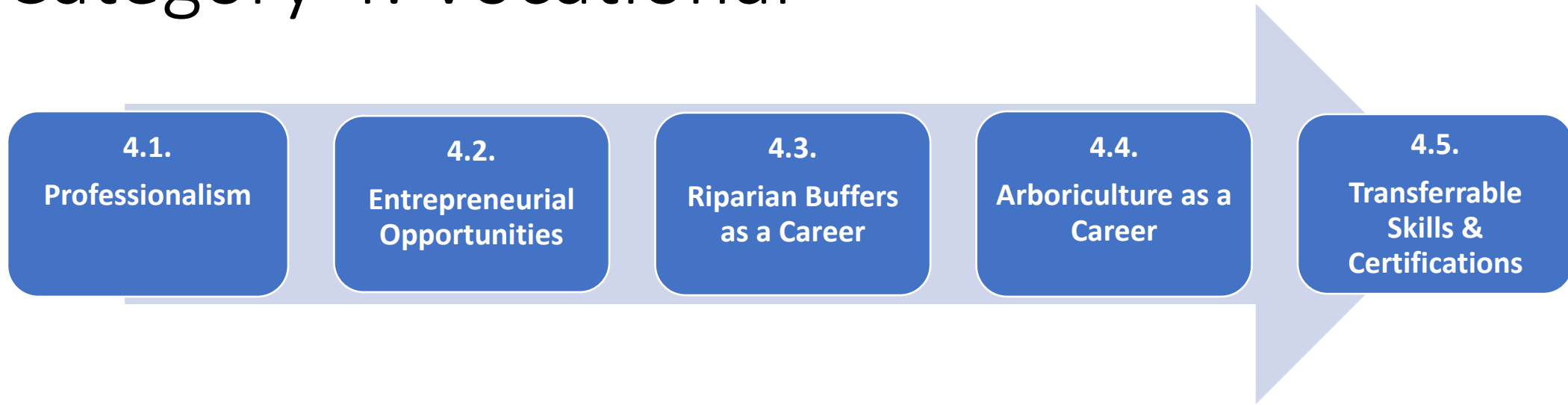
Correctional Conservation Collaborative: Category 2: Riparian Forest Buffer (RFB)



Correctional Conservation Collaborative: Category 3: Arboriculture



Correctional Conservation Collaborative: Category 4: Vocational



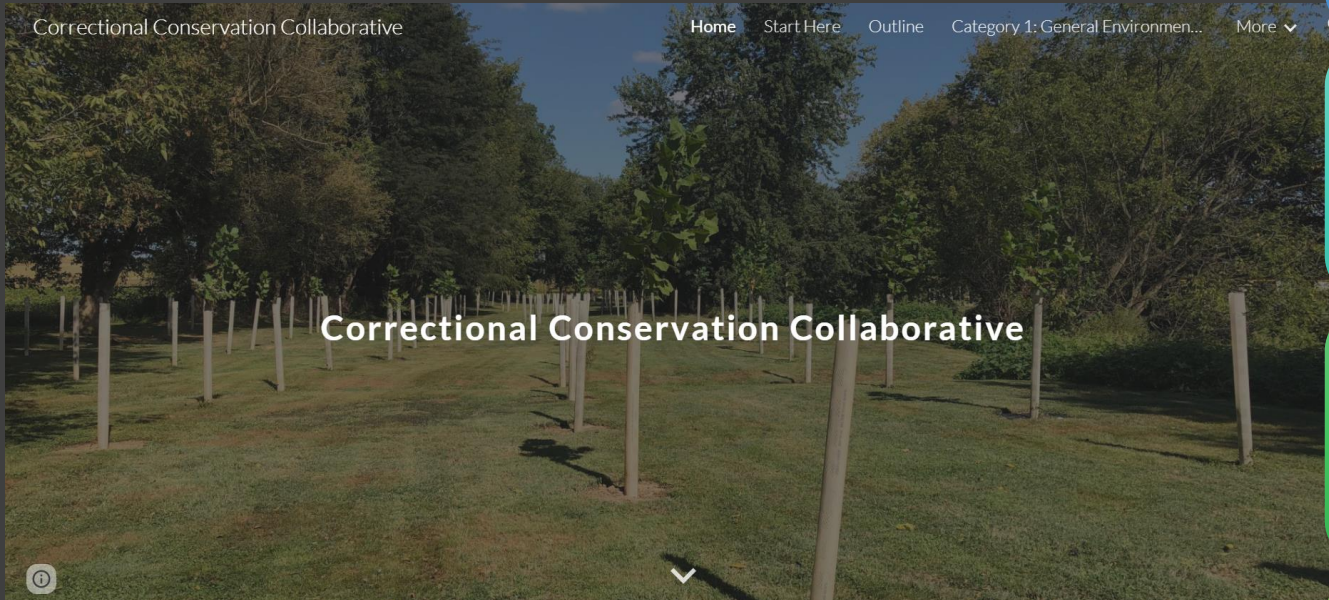
Buffer Training Manual in Practice in Virginia

The buffer module developed for CCC manual was used for training, in winter-spring 2021, in collaboration with Virginia Dept of Corrections (State Farm facility), Virginia Cooperative Extension, and the James River Association

XX incarcerated women participated in training and will receive CBLP-Buffers certificate

Led by Nicole Shuman (Virginia Extension) and Dave Hirschman (Hirschman Water/CCLC Team)

This effort provided an opportunity to test and trial the training manual developed for the GIT project



Next Steps

- Share results of Scope #10 research and CCC program materials
- Finalize draft CCC Mission statement and Goals (DCNR)
- Continue teaching at existing PA SCI sites (Rockview and Huntingdon) using refined and new materials
- Recruit new CCC prison sites in PA
- Secure funding for dedicated staff person to oversee this effort and expand the CCC program in PA
- Continuing collaboration with Virginia Cooperative Extension, James River Association, and Virginia Dept of Corrections to expand buffer training in VA SCIs