





RESEARCH BRIEF

How Effective Is Correctional Education?

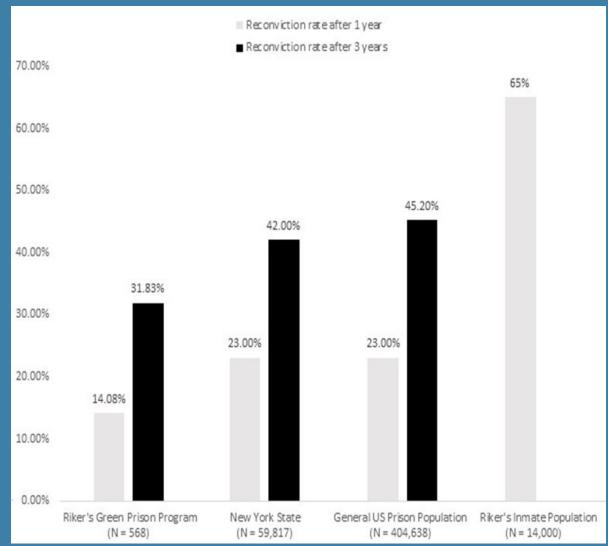
The Results of a Meta-Analysis

How Effective Is Correctional Education in Reducing Recidivism and Increasing Post-release Employment?

Research studies indicate that, on average, inmates who participated in correctional education programs had <u>43</u> percent lower odds of recidivating than inmates who did not.

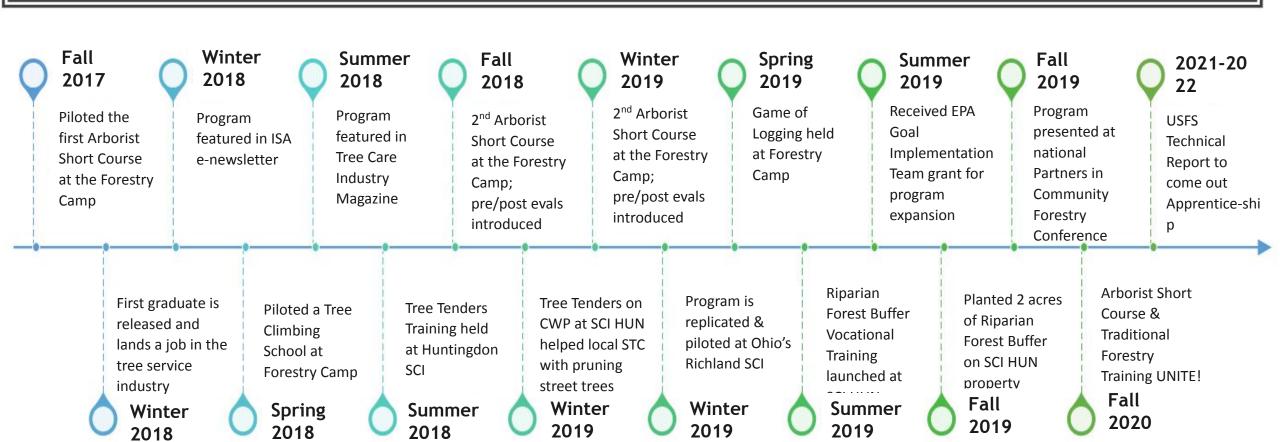
Individuals who participated in vocational training programs had odds of obtaining post-release employment that were 28 percent higher than individuals who had not participated

Green Prison Programs



Source: Sander van der Linden. 2015

The Past Five Years: CCC Milestones



Program Objectives

- Creates a career pathway for reentrants
- Provides employable skills and micro credentials to incarcerated individuals nearing release
- Creates a workforce pipeline of skilled workers for the natural resource and conservation industry
- Empowers people to enter into natural resource and conservation career pathways and entrepreneurial ventures
- Reduces recidivism by way of getting reentrants into jobs and careers that offer life-sustaining wages
- Helps diversify and elevate the natural resource and conservation profession in PA and beyond
- Can act as a model for other institutions and states
- Increased exposure to nature and natural elements provides mental clarity and health benefits
- Promotes interdepartmental and cross-sector collaboration

GIT Scope #10 Project Team (2020-21)

PA Dept of Conservation and Natural Resources (DCNR) Chesapeake
Conservation
Landscaping Council
(CCLC) and Hirschman
Water & Environment

Alliance for the Chesapeake Bay

PA Dept of Corrections (DOC)

Chesapeake Bay Trust

Learnings from Our Chesapeake Bay Landscape **Professional** (CBLP) Experience

- Skilled professionals are in demand to help local and state governments meet their water quality and habitat restoration goals
 - Green infrastructure (incl. urban forestry)
 - Conservation-based practices like RFBs, living shorelines, tree planting
- Practitioners are hungry for specialized training to help them stake a claim in the marketplace – more than 1200 have attended our training since 2016
 - CBLP-Buffers comprehensive certificate course on riparian buffer planning, implementation, and management
- Landscape and tree care contractors are eager to connect with new employees

CCC GIT Scope #10 - Project Goals

Analyze, assess and refine the 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

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?

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?

The Interviews

Number of Bay region interviews	15
Bay states represented	3 + DC
Other US interviews	3
Programs that provide professional credentials	5

Pearls from the Interviews

- Almost every program noted the importance of support and training on **job readiness/soft skills** (resume writing, interviewing, getting to work on time, etc.)
- Career fairs and mock interviews near the end of a program are effective for connecting returning citizens with potential employers.
- While each program had a green industry focus (e.g., GI, urban forestry), most offered training for related skills (e.g., flagger training to prepare for a DOT job).
- Some programs utilize **existing curricula or credentials**, and some have customized certificates of completion.
- For returning citizens and workforce programs, transportation seems to be a very big challenge for participants.

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?

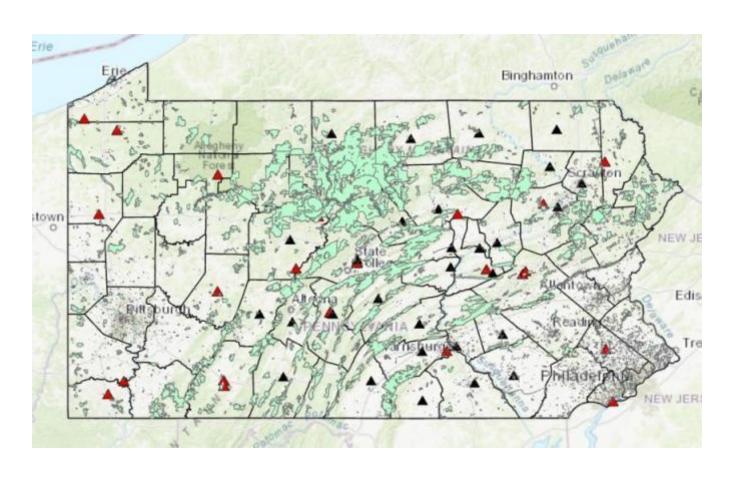
Are there adequate field sites on SCI property or in surrounding communities where CCC participants can get hands-on experience with riparian forest buffers?

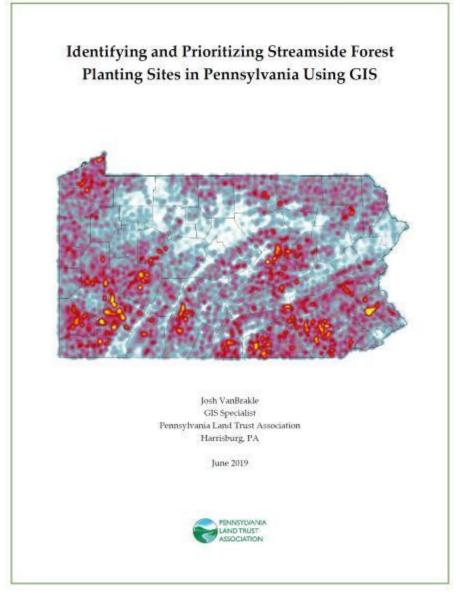
Does the CCC have structure and flexibility for different types of SCIs?

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

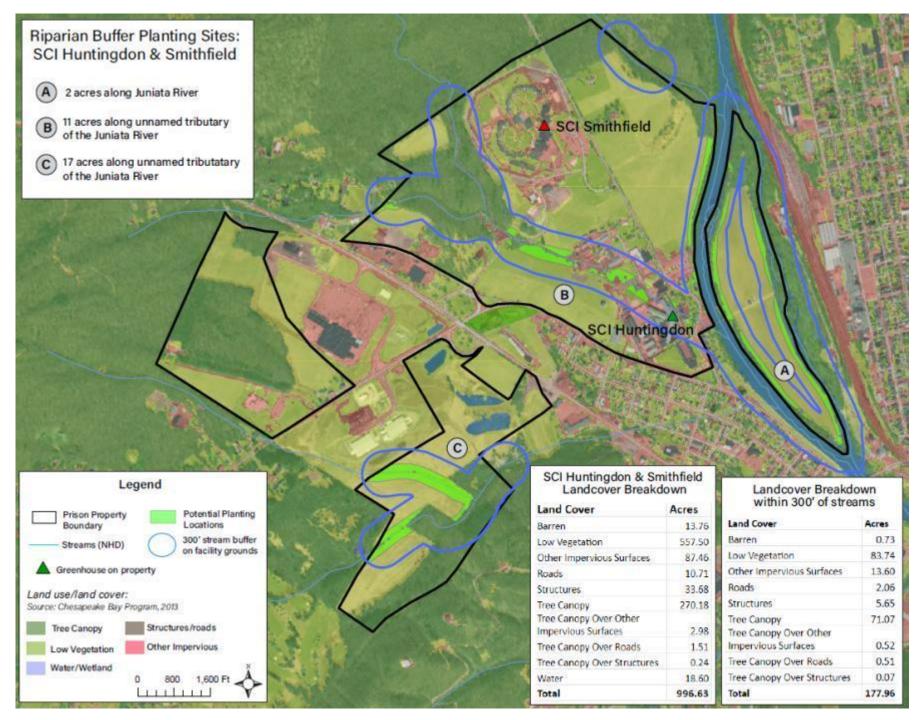
Mapping Project: Unbuffered Local & State Public

Land Identified

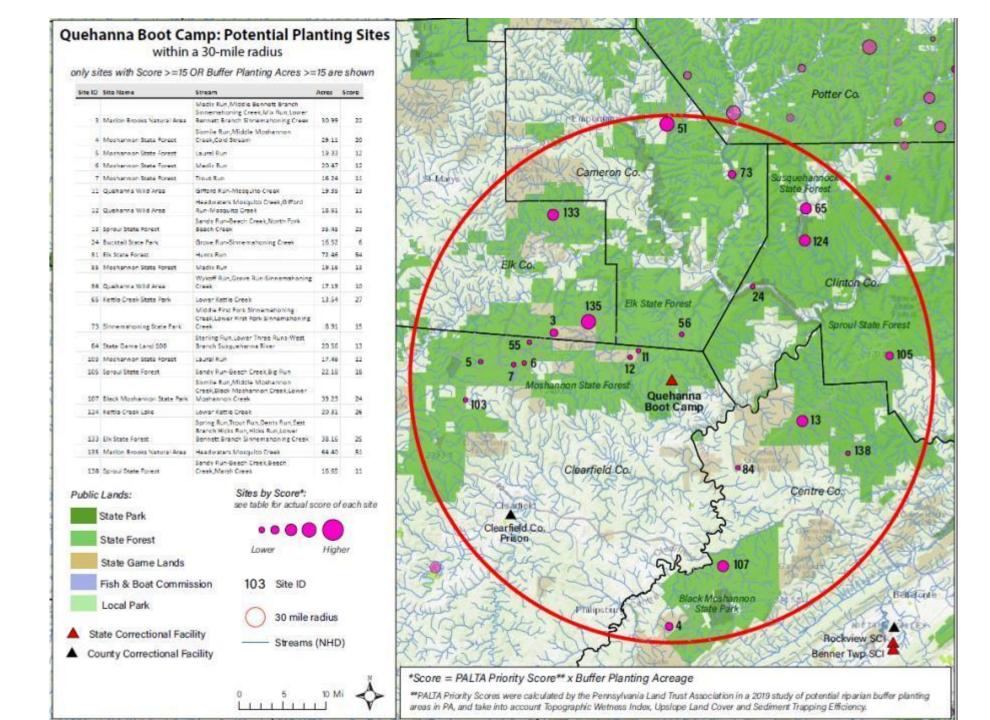




Site: SCI Huntingdon



30-mile Radius: SCI Quehanna Boot Camp



Key Questions

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

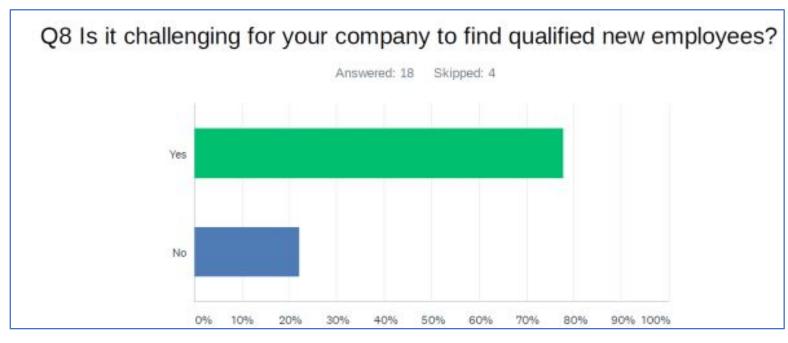
Is there an adequate population within SCIs for the CCC to expand?

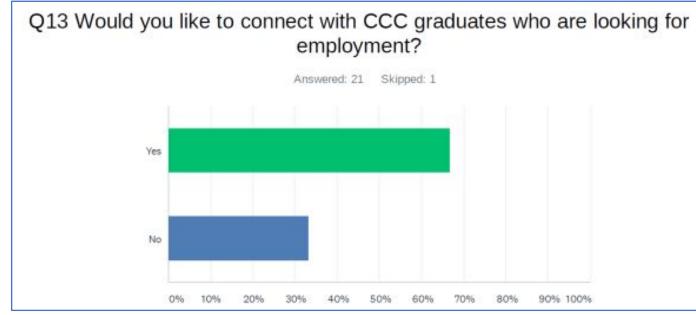
Are there adequate field sites on SCI property or in surrounding communities where CCC participants can get hands-on experience with riparian forest buffers?

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

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

Survey of Practicing Pros





Key Questions

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

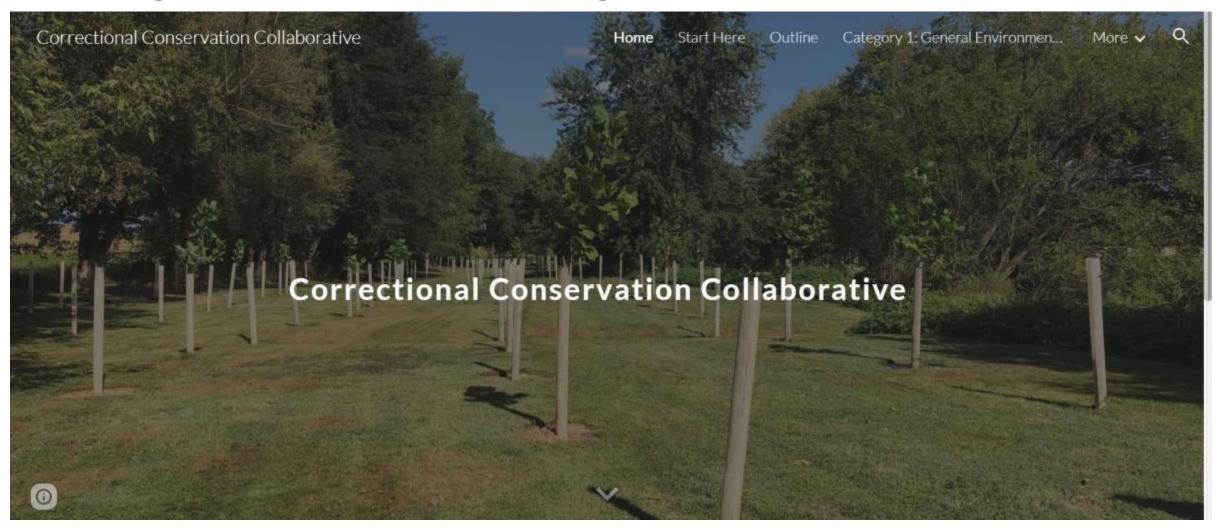
Is there an adequate population within SCIs for the CCC to expand?

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?

Program Manual: Google Drive + Website



Sample Course Planning & Implementation Docs

Correctional Conservation Collaborative (CCC)

Organizer & Instructor Site Evaluation Checklist

This checklist can be used by CCC organizers and instructors to engage with SCI/DOC personnel on the particular conditions that will influence the structure and delivery of the CCC curriculum.

Pre-Planning Checklist

1. What support is available from the SCI or facility? Will personnel (e.g., administrators, guards) be available to assist? How much lead time is needed to make sure all personnel are available?

2. What security procedures must be followed for CCC instructors to enter/leave the facility?



Field Skills Assessment

CCC Candidate Name:	
ASSESSOR:	DATE:

This skills rubric is designed to be used to assess and evaluate the work of CCC program participants in the field. This is an optional tool which may be adapted and revised as needed.

EXAMPLES OF TECHNICAL PROFICIENCY

POSITIVE INDICATORS	NEGATIVE INDICATORS
Demonstrates a positive approach towards the problem Considers the wider need of the situation Recognizes his/her own limitations Is able to compromise Is willing to seek help when necessary Uses effective strategies to deal with pressure/stress	Perceives challenges as problems Attempts unsuccessfully to deal with the situation alone Used inappropriate strategies to deal with pressure/stress

Correctional Conservation Collaborative: Category 1: General Environmental

1.1.
Nature,
Watersheds,
Chesapeake
Bay

1.2. Ecology: Streams

Ecology:
Habitat,
Pollinators,
Ecosystems

1.3.

Ecology:
Native &
Invasive
Plants, Plant
ID

1.4.

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

2.1.
Intro to RFBs,
Buffer Basics

2.2.
Site Selection &
Assessment

2.3.
Design & Plant
Selection

2.4. Site Preparation 2.5.
Planting & Tree
Shelters

2.6. RFP Maintenance

2.7. Fence Building

2.8. Safety

Working With Property
Owners

2.9.

Correctional Conservation Collaborative: Category 3: Arboriculture

3.1.
Introduction,
Tree Basics

3.2. Tree Biology

3.3. Trees & Soils

3.4. Tree ID

Tree Pests & Diseases

3.5.

3.6. Tree Pruning

Tree Installation,
Establishment,
and

3.7.

Tree Worker Safety

3.8.

3.9.
Climbing,
Working in Trees

3.10 Tree Risk Assessment 3.11 Tree Selection

Correctional Conservation Collaborative: Category 4: Vocational

4.1.
Professionalism

4.2. Entrepreneurial Opportunities

4.3.
Riparian Buffers as a Career

4.4.
Arboriculture as a
Career

4.5.
Transferrable
Skills &
Certifications



Buffer Training Manual in Practice in Virginia

Beginning in 2021, CCC buffer module used for training, in collaboration with Virginia Dept of Corrections (State Farm facility), Virginia Cooperative Extension, and the James River Association

Approx 18 incarcerated women participated in training and 10 received CBLP-Buffers certificate. One has connected with conservation landscaping employment

Led by Nicole Shuman (Virginia Cooperative 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

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?

Next Steps



- Share results of research and CCC program materials
- 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
- Continue collaboration with Virginia Cooperative Extension, James River Association, and Virginia Dept of Corrections to expand buffer training in VA SCIs

