



CHESAPEAKE BAY
Landscape Professional

Certification Status & Pilot Strategies

Shereen Hughes – Virginia Coordinator for CBLP
Assistant Director, Wetlands Watch
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CHESAPEAKE BAY LANDSCAPE PROFESSIONAL CREDENTIAL

Protecting Our Investments ♦ Meeting Our Restoration Goals

Meeting the demand for landscape professionals qualified to properly
Design ♦ Install ♦ Maintain

Sustainable Landscape Practices

<p><i>Picture by: Lynnhaven River NOW</i></p>	<p><i>Design by: Chesapeake Horticultural Services, LLC</i></p>	<p><i>Picture by Elizabeth River Project</i></p>		
<p>Conservation Landscaping w/ Native Plants Native Plant Waterside & Streamside Buffers Tree Planting Invasive Plant Management</p>	<p>Rain Barrels Cisterns Downspout Disconnects</p>	<p>Permeable Hardscapes Impervious Cover Removal</p>	<p>Rain Gardens Bio-Swales Urban Nutrient (Turf) Management</p>	

CONSORTIUM PARTNERS:



WETLANDS
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Chesapeake
Conservation
Landscaping
Council

UNIVERSITY OF
MARYLAND
EXTENSION

Solutions in your community



OUR FUNDERS:



PRINCE CHARITABLE TRUSTS



A Bay-wide Voluntary 2-level Credentialing System

A network of consistently trained landscape professionals qualified to design, install, and maintain sustainable landscapes

Run crews who perform landscape maintenance on post-construction BMPs

Design and install *Residential Stewardship Practices* as BMP retrofits for TMDL credit



Primary Target Audience for Certification

Stackable certification for:

Landscape designers & contractors w/ degrees or certificates in horticulture, landscape planning, landscape construction

Also – LAs, Environmental Science, Engineers, other related fields

Professional Certification in related field



Other Program Goals

Create a network of partners who will provide consistent and aligned training and education

Establish a network of clients and local government who will hire or place CBLPs on preferred provider lists

Don't re-invent the wheel – use existing resources & align with existing partners and programs

Self-financing by 2018

RESIDENTIAL STEWARDSHIP PRACTICES & SUSTAINABLE LANDSCAPES

Water Quality ♦ SWM ♦ Habitat and Watershed Restoration

Best Management Practices (BMPs)

- **Rain Barrels** and Cisterns
- **Rain Gardens** and Bio Swales
- Native Plant Landscaping
- **Tree** and **Buffer Planting**
- **Urban Nutrient/Turf Management**
- Invasive Plant Management
- **Permeable Hardscapes**
- **Impervious Cover Removal**
- **Downspout Disconnection**
- **Green Roofs**

... only qualify for credit as stormwater BMPs if properly designed, installed, maintained, and tracked...



Picture by: Lynnhaven River NOW



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Level 1 – baseline credential

- design, installation, and maintenance of sustainable landscapes.
- a special emphasis on maintenance of stormwater best management practices and urban/turf best management practices.
- Build common understanding across landscape sectors



Level 2 - Advanced Design & Install Credential

- for experienced professionals, in design or installation of sustainable landscapes.
- experience with small-scale stormwater retrofits also known as residential stewardship practices.
- Candidates for Level 2 *must* have a Level 1 certification and *must* demonstrate previous experience in design and/or installation of sustainable landscapes.

CBLP Level 1 Credential Process & Components

Foundation in Design, Installation, & Maintenance

Previous
Education,
Certification,
Training, or
Experience in
Related Field

Pre-Workshop
Webinars on
Core Topics
(Optional)

In-Person
Workshop
(Optional)

Self-Study
Written
Material

Required Maintenance Practicum

Application & Fee

Exam



Level 1

Common Core Knowledge

- I. Sustainable Site Design & Conservation
Landscaping
- I. Intro to Protection & Restoration of the
Chesapeake Bay
- I. Intro to Stormwater Management and Water
Quality – BMPs standards and protocol
- II. Sustainable Landscape Management and BMP
Post-Construction Maintenance

CBLP Level 1 Components

CBLP Study
Guide

Six Key
References:

Level 1 Exam

- CCLC Eight Essential Elements
- PLNA Sustainable Landscapes Manual
- USFWS Native Plant Guide
- **SWM Chapter 12 in VA Urban Nutrient Mgmt Manual** expanded
- **WSA BMP Manual** - expanded
- **CBLP Maintenance Manual** (C. Corson)

CBLP-D, CBLP-I Level 2 Credential

Process & Components

Advanced Certification - Design or Installation of Residential Stewardship Practices & Sustainable Landscapes

Prerequisites:

CBLP Level 1
Credential

Demonstrated
BMP design/install
experience

Multi-Day Intensive Seminar

- Small-scale BMP retrofit focus
- Emphasis on critical thinking, problem solving, collaboration
 - Field component
 - Assessment
- Certificate of completion

Application & Fee

CBLP Level 2 Components

L2 Study Guide/
Content
Outline

reviewed prior to
attending L2
Intensive Seminar

Recommended
Reading

beyond the 5 Key
Level 1 References

Intensive
Seminar

with
Assessment

CBLP Level 2 Study Guide

Key References

- Regional Webcasts and Videos
- WSA BMP Manual - expanded
- *Chesapeake Gardening and Landscaping*
- *Planting in a Post Wild World*
- *Principles of Ecological Landscape Design*
- *Designing the Sustainable Site*
- *Sustainable Landscape Construction*

CBLP Level 2 Content

Level 2 Content Outline

- **Level 2 Advanced Design & Install**
 - Applied - Sustainable Landscapes Practices
 - Applied - Residential Stewardship Practices (BMP Retrofits)
 - Planning for Maintenance
 - Collaboration & Coordination
 - Variations in State & Local Protocol
 - Common Mistakes & Retrofit Issues

CBLP Level 2 Training & Assessment

3-Day
Intensive
Seminar
with
Assessment
&
Certificate
of
Completion

- **Level 2 Advanced Design & Installation**
 - Emphasis on Critical Thinking, Collaboration & Coordination
 - Guided by Technical Experts, GWU & CCLC
 - Variations in State & Local Protocol
 - Field Component

CBLP Pilot Plan

CBLP Level 1 Pilot (September – December 2016)

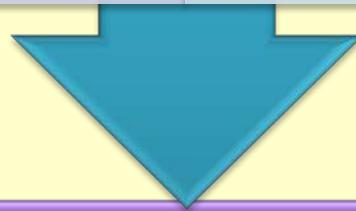
Hampton Roads VA

Webinars, Workshops, Practicum,
Exams

DC Region

Webinars, Workshops, Practicum,
Exams

(Self-Study Option)



CBLP Level 2 Pilot (December 2016-January 2017)

DC Region Intensive Seminar, Field Days

Pilot Outcomes

- 75 certified landscape professionals
- Certified CBLPs evaluate process & program components
- 50 landscape professionals demonstrate successful installation of one 200 sq ft bioretention area within 6 mos after certification
- 25 CBLP-certified contractors with 50 acres of turf under proper urban nutrient management within 6 mos after certification



CBLP Pilot - Proposed Timeline

Mar-August 2016

- Content Outline & Study Materials
- Develop Exam
- Develop Plan
- ID TAs for Pilot

Sept 2016 – January 2017

- Run Pilot Program

Dec 2016 – Mar 2017

- Assess & Refine
- Feedback from Candidates
- Guidance from TAs

Spring 2017

- Launch in MD, DC, VA, PA

Summer/Fall 2017

- Expand to NY, DE, WV



Pilot Strategy

- LID Center - develop and refine
- Use respected experts to ensure consistent training and facilitate launch in 2017
- Limit pilot sites/partners to streamline process; expand at program launch
- Focus efforts geographically
- Provide customizable options to accommodate varying knowledge and skills
- Create highly dynamic, interactive training with focus on collaborative practice, critical thinking and problem-solving
- Use Pilot as “Train the Trainer” Strategy



Pilot Training Partners

- LID Center
- Dave Hirschman – 1 Day Review Workshop
- UMD Extension – 1 Day Review Workshop
- Ted Scott & Dave Hirschman – Maintenance Practicums
- GWU
- Local Government Staff for Maintenance Practicums



CBLP Webinar Series

- Single topic or a series within topic
- University of Maryland Extension will host and provide technical support, additional funding
- Participants select/customize training package based on individual needs
- Maintenance webinar prerequisite for Practicum
- Webinars archived for convenience
- Fees: TBD
- Launch by September 6



CBLP Review Workshops

- Each workshop: two half-day sessions – one on sustainable landscaping; one on stormwater BMPs
- Orientation to CBLP materials; webinar topics; exam prep; focus on common mistakes
- DC Area & Hampton Roads - one per region early October; one early November (total 3-4 based on funding)
- Goal 15-20 participants per workshop
- Fee: TBD

CBLP Maintenance Practicum

- Led **Ted Scott (MD) & Dave Hirschman (VA)**
- Combined with local host maintenance staff (Prince George's Co, Arlington Co, DC DOEE, **Hampton Roads locality**)
- LIDC will develop guidance and template
- One day in field visiting BMPs
- Two in each region in October and two in November (6-8 total based on funding)
- Goal: 10-15 participants per practicum
- Fee: TBD

CBLP Level 1 Exam

- PLNA exam plus new questions based on CBLP Study Guide & SWM/BMPs
- Psychometrically evaluated
- Pilot exams administered at community colleges in November and December (future sites TBD)
 - Montgomery College
 - NVCC
 - PGCC
 - Va Tech AREC
- Fee: TBD

Level 2 Intensive Seminar

- Three-day seminar
- GWU to design course with guidance and input from LIDC; Sponsored by CCLC
- Led by experts in design/installation of stormwater BMPs and conservation landscaping
- Possible pre-seminar L2 webinar
- Focus on collaborative practice, critical thinking
- Include field component and assessment
- December 2016 or January 2017
- Fee: TBD

Pilot Assessment

- Feedback from CBLP participants – collect and analyze, November – January
- Full-day, facilitated meeting with SC, key TAs, training partners – Feb 2017
- LIDC will guide assessment process and advise on refinements to training and materials
- Launch MD, VA, DC, PA – spring/summer 2017
- Launch DE, WV, NY – summer/fall 2017



HAMPTON ROADS NEEDS

- Decide Location for Workshops & Practicum
- Available staff & variety of BMPs
- Fund Dave Hirschman
- Identify maintenance or environmental staff or contractors to get certified
- Use CBLPs to design, install or maintain BMPs (with supervision) to validate/qualify



What's Next?

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- Finalize Content Outline and Study Guide
- Finalize Marketing/PR
- Pilot
- Fundraise to fund through 2017

