

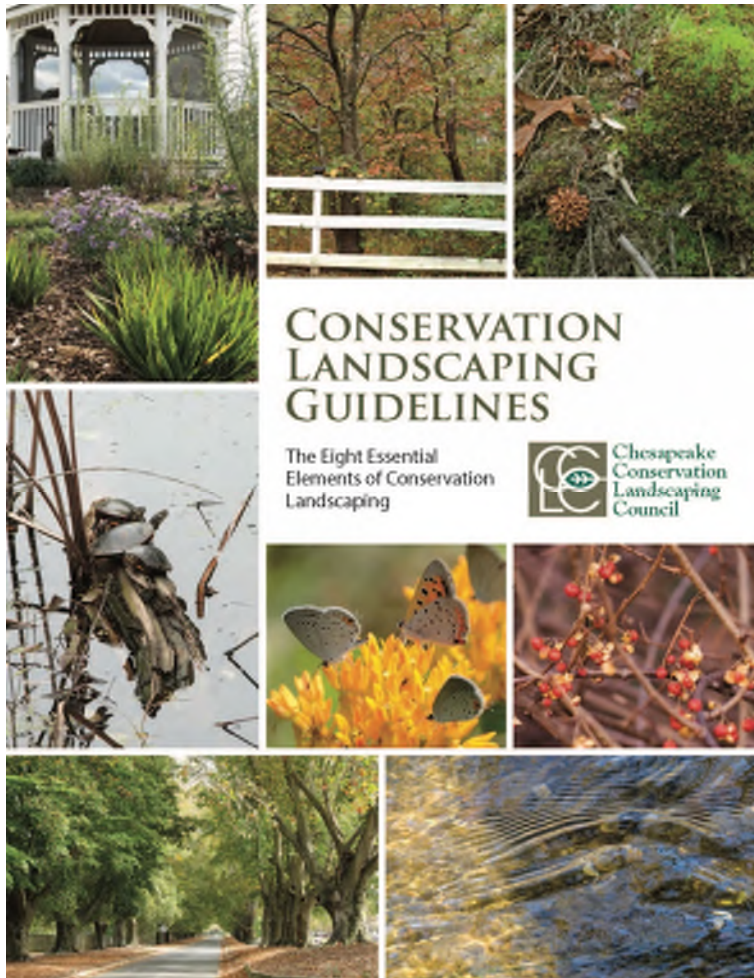


CHESAPEAKE BAY
Landscape Professional



CBLP: Building Better Stormwater Partners

Sustainable Landscapes for a Healthier Bay



- Work with nature to benefit the environment and function efficiently
- Use locally native plants that are appropriate for site conditions
- Remove and manage invasive plants
- Provide habitat for wildlife
- Promote healthy air quality and minimize air pollution
- **Conserve and clean water**
- Promotes healthy soils
- Managed to conserve energy, reduce waste and use of pesticides and fertilizers

CBLP Certification Program Goals



Two level, voluntary, individual, stackable, regional credential

Consistently-trained professionals design, install, and maintain sustainable landscapes for a healthier Chesapeake Bay

Partners in watershed restoration, TMDLs and green infrastructure/low impact development

Online database to connect clients and employers with CBLPs

Network of aligned training partners



CBLP Program Content

- **Level 1** sustainable landscapes & stormwater design/install basics; emphasis on maintenance
- **Level 2** – advanced (Level 1 + BMP design &/or installation experience and assessment)
- Emphasis on collaborative practice, critical thinking, proactive approach, adaptive management
- Empowering professionals to understand regulatory environment and find answers



Who Should Apply?



Professionals with a degree, certification, and/or experience:

- Landscape designers, landscape architects
- Landscape contractors, maintenance specialists
- Horticulturists, botanists, nursery professionals
- Arborists, foresters
- Engineers, planners
- Stormwater professionals
- Government and NGO staff

CBLP Maintenance Manual



<https://cblpro.org/downloads/CBLPMaintenanceManual.pdf>



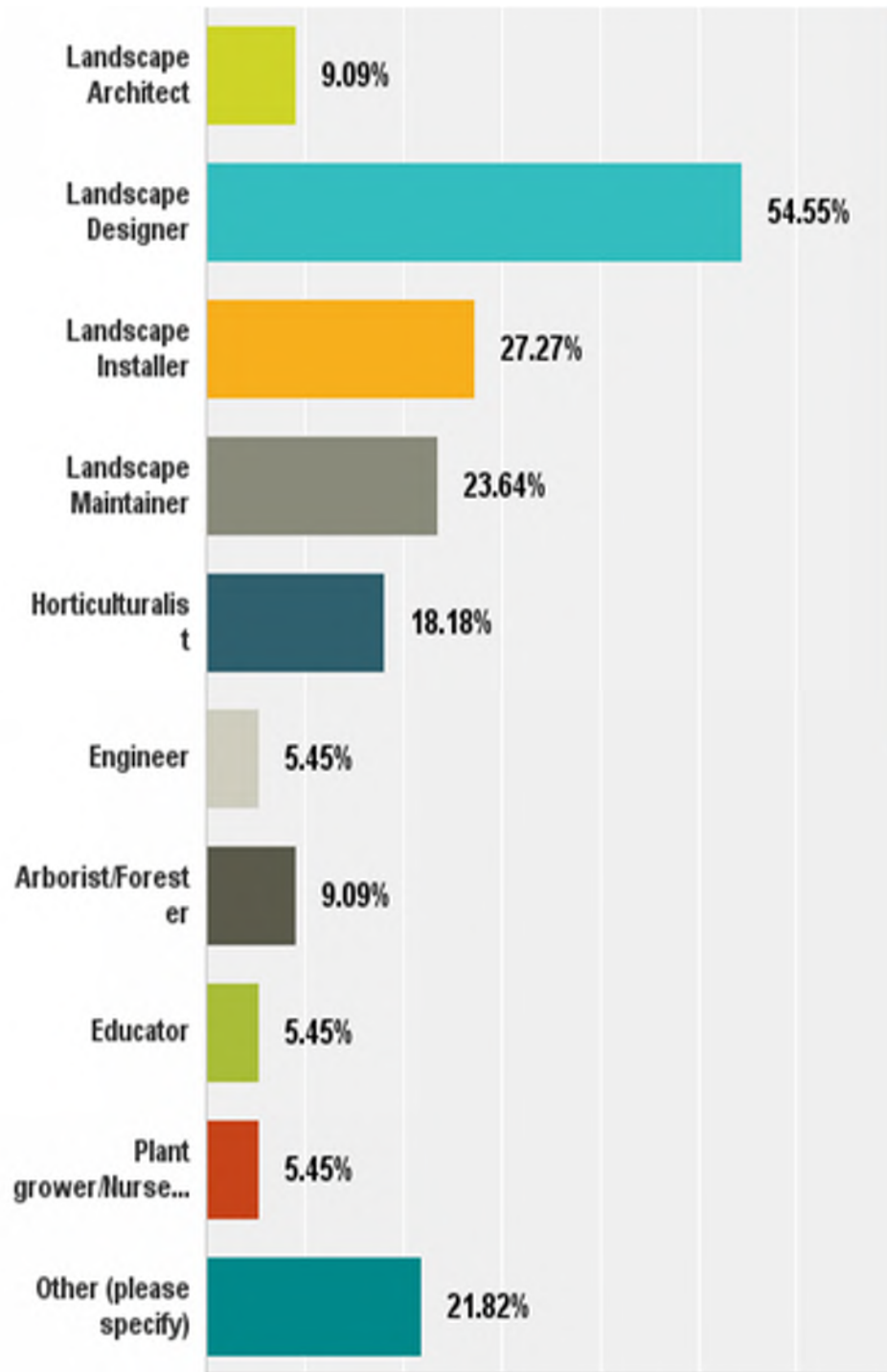
Field-Based Maintenance Practicum



Inspection/Verification Protocol



2016 Pilot Participants



LAs & LDs – 63%

Landscape Install – 27%

Landscape Maintain – 24%

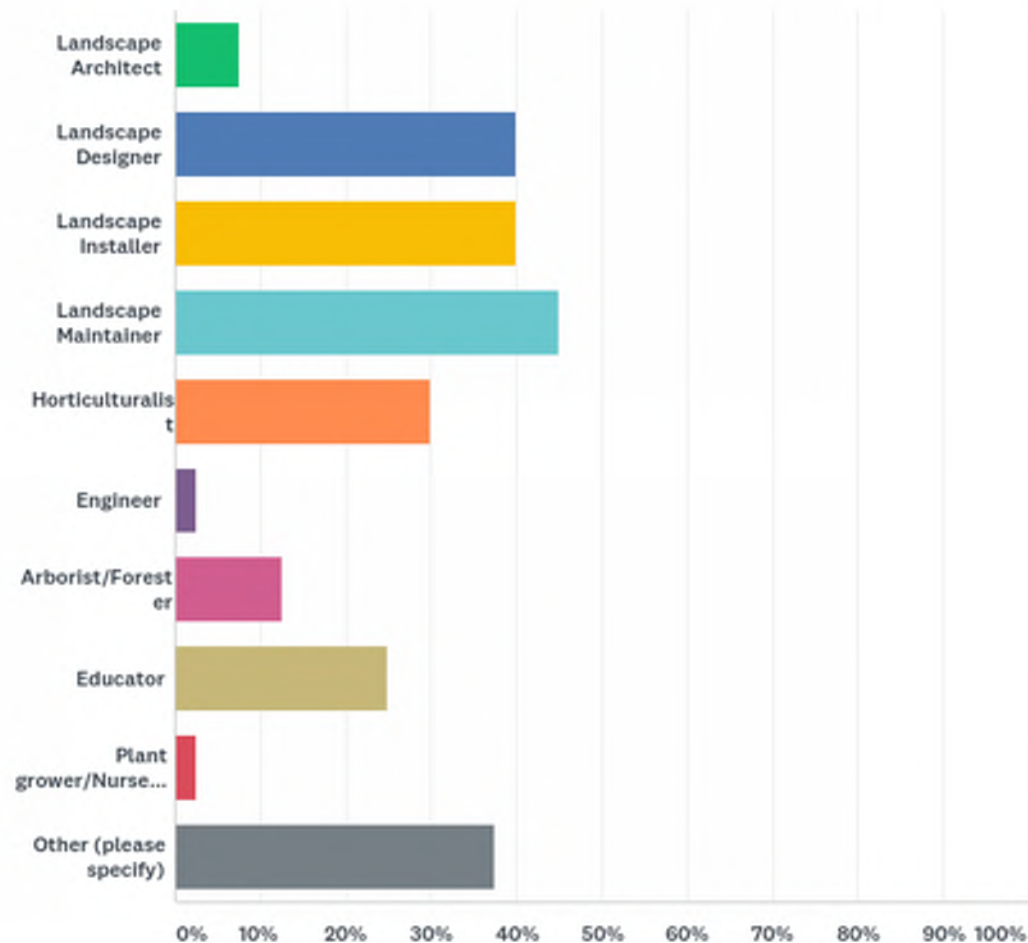
Horticulturalists – 18%

< 10 yrs experience – 35%

10 to 36 yrs – 65%



2017 Level 1 Audience



**Landscape
architect/designer- 47.5%**
Maintainer- 45%
Installer- 40%
Hort-30%
Educator-25%



Certified CBLPs

267 LEVEL 1 CERTIFIED PROS

- 2016 Pilot: 113 trained & certified
- 2017: 104 trained
- 2018: 95 trained to date

2018 goal: 180 trained, 300+ certified

35 LEVEL 2 CERTIFIED PROS

- 2016 Pilot: 22 certified (39 credentials)
- 2017: 13 certified (26 credentials)

2018 goal: 30 trained, 60+certified

Level 1 Classes: Pilot- 8; 2017- 7; 2018- 10

Level 2 Classes: Pilot -1; 2017-1; 2018- 2

CHESAPEAKE BAY LANDSCAPE PROFESSIONAL 2016 PILOT PROGRAM A SNAPSHOT OF IMPACTS



CHESAPEAKE BAY LANDSCAPE PROFESSIONAL 2016 PILOT PROGRAM A SNAPSHOT OF IMPACTS



Volunteers, Behavior Change, People Reached (2016 Pilot Goal)



✓ Volunteers

- **418** (135) people

✓ People reached - outreach, training, or technical assistance

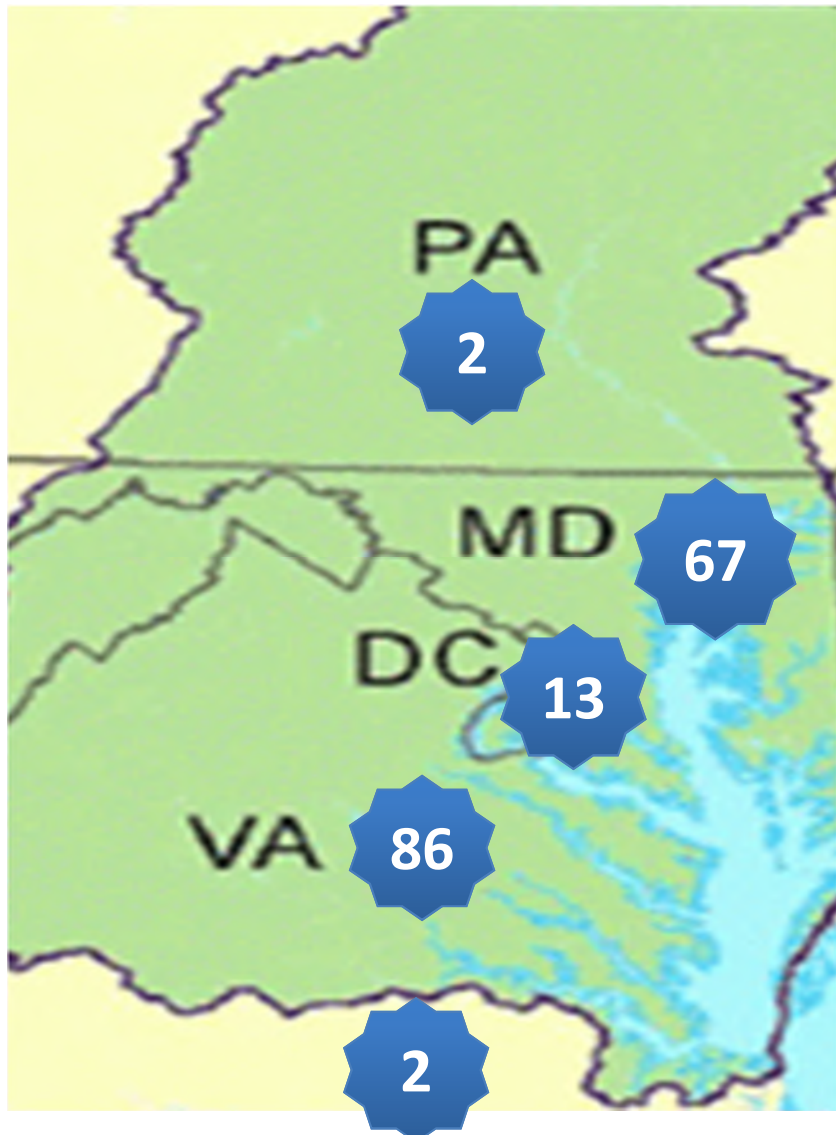
- **Over 1900** (850)

✓ Certified CBLPs (75)

- **113** Level 1
- **38** Level 2

How Did We Do?

Hands-On Projects Reported in Pilot



170 projects - 76 CBLPs

- Conservation Landscapes – 51
- **Rain Gardens/Bioswales – 46**
- Riparian Buffers – 13
- Rain Water Harvesting - 13
- BMP Maintenance – 17
- Permeable Pavement – 9
- Dry Well/Infiltration Trench – 4
- Living Shoreline – 4
- Sheetflow to filter strip – 4
- Wet Swales – 2
- **UNM – 2**
- Urban Tree Canopy - 1
- Stream Restoration – 1
- Underground Storage Basins – 3

How Did We Do?

Sq ft of Practices D/I/M & Acres Treated

Conservation Landscapes & Riparian Buffers

- ✓ 1,079,844 sq ft
- ✓ 24.79 Acres Treated

GI Practices (Rain gardens, etc.)

- ✓ 52,838.5 sq ft
- ✓ 12.98 Acres Treated

GI Maintenance/UNM:

- ✓ 4,095,307 sq ft
- ✓ 94.02 acres managed

Other BMPs

- ✓ Living Shoreline – 1965 linear ft
- ✓ Stream Restoration – 3050 linear ft.
- ✓ Underground Storage Basins – 100,000 cu ft



How Did We Do?

Nitrogen, Phosphorus and Sediment Reduced

Actual pilot calculations (Grant proposed metric)

- ✓ N avoided annually – **775** (96) lbs
- ✓ P avoided annually - **370** (10.8) lbs
- ✓ Sediment avoided annually – **509,929** (8440) lbs



DEVELOPMENT & PILOTING PARTNERS & HOSTS

- Alliance for the Chesapeake Bay
- Anne Arundel Community College
- Anne Arundel County Department of Public Works
- Anne Arundel County Watershed Stewards Academy *
- Anne Arundel Workforce Development Corporation
- Arlington Co. Office of Sustainability & Environmental Mgmt*
- Baltimore Civic Works
- Blue Water Baltimore
- Center for Watershed Protection
- Chesapeake Bay Trust*
- Chesapeake Horticultural Services, LLC *
- Chesapeake Stormwater Network
- City of Hyattsville
- City of Hampton
- City of Lancaster*
- City of Norfolk
- City of Rockville
- City of Virginia Beach
- Colonial Soil and Water Conservation District
- Community College of Baltimore County*
- DC Department of Energy and Environment
- Elizabeth River Project
- George Washington University – Landscape Design Program
- Green Infrastructure Center
- Greenskeeper Landscaping*
- Hiirschman Water & Environment
- Howard County
- Howard Community College
- Howard EcoWorks
- Hampton Roads Planning District Commission
- J&G Landscape Design*
- James City Co. Engineering & Natural Resource Division
- James Madison University
- James River Association
- LID Center
- Lynnhaven River NOW
- Maryland National Capital Parks and Planning Commission (Prince George's Parks)
- Maryland Nursery Landscape and Greenhouse Association
- Montgomery Co. Dept. of Environmental Protection*
- Montgomery College
- Northern Virginia Regional Commission
- Northern Virginia Soil and Water Conservation District
- Pennsylvania Landscape and Nursery Association
- Penn State Extension
- Prince George's County Department of the Environment*
- Stormwater Maintenance and Consulting
- Stromberg Garrigan Associates*
- US Composting Council
- US National Arboretum
- University of Virginia
- Virginia Coastal Zone Management Program
- Virginia Cooperative Extension
- Virginia Institute of Marine Science
- Virginia Native Plants Marketing Partnership
- Virginia Nursery and Landscape Association
- Virginia Society of Landscape Designers
- Virginia Tech Hampton Roads AREC*
- Windridge Landscaping*

CBLP: Lessons Learned

- Certified pros have an immediate impact
- Success built on strong **partnerships** with technical experts, local govt, academia, trade associations and watershed groups
- CBLPs are hungry for collaborative practice opportunities, advanced training



Join our Growing Network visit cblpro.org to register

**THANK YOU TO OUR
FUNDERS!**



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