



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i>     | <i>Project title</i>   | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|---------------------------|--|----------------------|----------------|---------------|-----------------------|
| <i>Projects for FY 11</i> |  |                      |                |               |                       |
| J-8819-10-0113/1          | <i>Museum Photographic Collection Condition Survey and Treatments (YOSE)</i>   | 11                   | UD             | NPS           | \$0                   |
| J-3992-08-0505/3          | <i>Invasive Species Early Detection Protocol Development for the Eastern Rivers and Mountains (ERMN) and Northeast Temperate (NETN) Networks</i>   | 11                   | PSU            | NPS           | \$0                   |
| J-3992-08-0700/3          | <i>Monitoring Estuarine Condition at Colonial national Historical Park, George Washington Birthplace National Monument, and Assateague Island National Seashore, Northeast Coastal and Barrier Network 2008 and 2009</i> | 11                   | W&M            | NPS           | \$52,978              |
| J-3992-09-0501/2          | <i>Development and Implementation of a Vegetation Monitoring Protocol for the Eastern Rivers and Mountains Network of the National Park Service</i>  | 11                   | PSU            | NPS           | \$185,070             |
| J-3992-09-0502/1          | <i>Assessment of Natural Resource Condition at Three National Parks in the Northeast Region: Roosevelt-Vanderbilt NHS (ROVA); Saratoga NHP (SARA), and Morristown NHP (MORR)</i>   | 11                   | PSU            | NPS           | \$0                   |
| J-3992-09-0503/1          | <i>Analysis and preservation of archeobotanical remains from the Salt Springs site in the Ocala National Forest</i>  | 11                   | PSU            | NPS           | \$3,995               |
| J-4190-10-0031/1          | <i>Ethnographic Overview and Assessment, Assateague Island National Seashore</i>   | 11                   | UMCP           | NPS           | \$15,000              |
| J-4240-10-0001/1          | <i>Archaeological Research and Investigation at the Hite-Whitham Farm, Cedar Creek and Belle Grove National Historical Park, NPS</i>   | 11                   | W&M            | NPS           | \$45,000              |



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|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| J-4531-10-0814/1      | <i>An evaluation of existing vegetation data nad data gaps leading to inventories and forest management recommendatins for the desired condiditions of Mount Joy and Mount Misery at Valley Forge National Historical Park (VAFO)</i> | 11                   | PSU            | NPS           | \$20,166              |
| J-4531-10-0848/1      | <i>Development and Implementation of the Streamside Bird Monitoring Protocol for the Eastern Rivers and Mountains Network (ERMN) of the National Park Service</i>   | 11                   | PSU            | NPS           | \$56,247              |
| W912HZ-11-2-0046/0    | <i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>  | 11                   | UMCES-CBL      | USACE         | \$100,000             |
| W912HZ-10-2-0029/1    | <i>Large Scale Submerged Aquatic Vegetation (SAV) Restoration Techniques and Techologies: Evaluation of an Aragonite Based System for SAVE Aquaculture</i>  | 11                   | VIMS           | USACE         | \$0                   |
| W912HZ-10-2-0020/1    | <i>Refining Site-Selection Criteria for Restoration of SAV in Mesohlice Chesapeake Bay</i>  | 11                   | UMCES-HPL      | USACE         | \$0                   |
| J-3992-08-0105/1      | <i>Assessment of Natural Resource Condition, Assateague island National Seashore (ASIS) in Maryland and Virginia</i>  | 11                   | UMCES-IAN      | NPS           | \$0                   |
| J-4770-10-0408/1      | <i>Consultations with Culturally Affiliated Indian Tribes, Pertersburg National Battlefield Park</i>  | 11                   | UMCP           | NPS           | \$0                   |
| J-4531-11-0810/0      | <i>A multi-scale program in Virginia, West Virginia, and Maryland to assess change in the acid-base chemistry of mountain streams</i>   | 11                   | UVA            | NPS           | \$383,670             |
| P11AT00416/0          | <i>Historic Structures Analysis of Bowman-Hite House and Bank Barn, Cedar Creek and Belle Grove National Historical Parks</i>   | 11                   | UMW            | NPS           | \$39,500              |



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|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| P11AT30685/0          | <i>Cooperative Watershed Studies</i>   | 11                   | UVA            | NPS           | \$80,000              |
| P11AT30685/1          | <i>Cooperative Watershed Studies</i>   | 11                   | UVA            | NPS           | \$32,000              |
| P11AT30686/0          | <i>Building Connections Between National Park Service Natural Resource Issues and the Public</i>   | 11                   | PSU            | NPS           | \$25,000              |
| P11AT30930/0          | <i>Natural resource assessments: Fredericksburg and Spotsylvania County Battlefield Memorial Park</i>  | 11                   | PSU            | NPS           | \$56,136              |
| P11AT30931/0          | <i>Invasive Species Early Detection Protocol Development for the Cumberland Piedmont Network (CUPN)</i>  | 11                   | PSU            | NPS           | \$46,849              |
| P11AT31013/0          | <i>Historic Resource Study for Proposed National Historic Landmark (NHL) Nomination Revision, Cedar Creek and Belle Grove National Historical Park</i> | 11                   | W&M            | NPS           | \$55,000              |
| P11AT31040/0          | <i>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</i>  | 11                   | UMCES-AL       | NPS           | \$3,050               |
| W9126G-11-2-0002/0    | <i>Development of Habitat Based Simulation Model</i>   | 11                   | ABC            | DOD,DUSD      | \$168,500             |
| P11AT31051/0          | <i>Teaching Historic Places with Diverse Populations</i>   | 11                   | GMU            | NPS           | \$42,500              |
| P11AT31052/0          | <i>List of Classified Structures Update for Chesapeake &amp; Ohio Canal NHP and George Washington Memorial Parkway NP</i>                              | 11                   | UMCP           | NPS           | \$80,000              |
| P11AT31053/0          | <i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>   | 11                   | UMCP           | NPS           | \$60,000              |



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|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| W912HZ-10-2-0019/1    | <i>Beyond Light: Defining Sediment and Water Flow SAVE Habitat Requirement</i>   | 11                   | UMCES-HPL      | USACE         | \$0                   |
| 68-7482-11-502/0      | <i>Assessing the effects of conservation practices on priority birds throughout the Intermountain West</i>   | 11                   | ABC            | USDA NRCS     | \$60,000              |
| 11-JV-11242302-089/0  | <i>Identifying the cumulative landscape effects of shale gas development on forested ecosystems in Pennsylvania</i>  | 11                   | PSU            | USFS          | \$105,586             |
| 11-JV-11242302-090/0  | <i>Developing an advance regeneration model for PA hardwood forest ecosystems</i>  | 11                   | PSU            | USFS          | \$37,600              |
| 11-JV-11242306-098/0  | <i>Spectral and 3D structural remote sensing of tree, forest structure, and land cover features at the wildland-urban interface using computer vision techniques</i> | 11                   | UMBC           | USFS          | \$29,436              |
| 68-4782-11-513/0      | <i>Rapid Assessment of soil carbon assistance for Pennsylvania</i>   | 11                   | PSU            | USDA NRCS     | \$13,087              |
| W912HZ-11-2-0040/0    | <i>Ecological Monitoring of Paint Branch Fish Passage and Stream Restoration Project</i>   | 11                   | UMW            | USACE         | \$39,995              |
| 68-7482-11-500/0      | <i>Assessment of waterbird response to the NRCS migratory bird habitat initiative using NEXRAD radar data</i>  | 11                   | UD             | USDA NRCS     | \$96,479              |
| J-1700-10-0900/1      | <i>Ethnographic Documentation of the Tarn, Acadia National Park</i>  | 11                   | UMCP           | NPS           | \$0                   |
| J-2112-10-0418/2      | <i>Natural Resource Assessment of Blueridge Parks in the NCR Network (HAFE, CATO, CHOH)</i>  | 11                   | UMCES-IAN      | NPS           | \$74,000              |
| J-2112-10-0419/2      | <i>Implementing the Avian Monitoring Protocol for the National Park Service Units of the National Capital Region Network</i>   | 11                   | UD             | NPS           | \$64,878              |



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|---------------------------|---|----------------------|----------------|---------------|-----------------------|
| J-2112-10-0438/1          | <i>Modeling Coastal Vulnerability for Tidal Reaches of the Potomac and Anacostia Rivers</i>   | 11                   | UMCES-AL       | NPS           | \$190,000             |
| J-2128-10-0505/1          | <i>NPS Species taxonomic review and park species list re-certification for the Mojave Desert Network parks</i>                              | 11                   | PSU            | NPS           | \$37,559              |
| J-2128-10-0505/2          | <i>NPS Species taxonomic review and park species list re-certification for the Mojave Desert Network parks</i>                              | 11                   | PSU            | NPS           | \$0                   |
| J-2132-10-0353/2          | <i>Development of park focused, web based learning resources for coral communities in the changing climate of parks of the PACN network</i> | 11                   | UMCES-CBL      | NPS           | \$40,097              |
| J-2132-10-0353/1          | <i>Development of park focused, web based learning resources for coral communities in the changing climate of parks of the PACN network</i> | 11                   | UMCES-CBL      | NPS           | \$61,335              |
| J-3086-10-0061/1          | <i>Preservation of National Park Service Museum Collections</i>   | 11                   | UMCP           | NPS           | \$95,000              |
| J-3992-07-0400/7          | <i>Qualitative Analysis of Public Comments on the National Mall Memorial Parks Management Plan</i>  | 11                   | GMU            | NPS           | \$90,000              |
| J-3992-05-0102/3          | <i>Discovery of remnant populations of the endangered dwarf wedge mussel using GIS habitat analysis</i>                                     | 11                   | UMCES-AL       | NPS           | \$0                   |
| <b>Total for FY: 11</b>   |   |                      |                |               | <b>\$2,585,713.00</b> |
| <b>Projects for FY 12</b> |   |                      |                |               |                       |
| P12AC11017/0              | <i>Fish Community Assessment in the Eastern Rivers and Mountains Network and Integration with Existing Monitoring Data</i>                  | 12                   | PSU            | NPS           | \$67,700              |



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|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| P12AC10590/0          | <i>NPSpecies and DataStore Application Management for the Eastern Rivers and Mountains Network</i>   | 12                   | PSU            | NPS           | \$49,682              |
| P12AC10838/0          | <i>Cooperative Watershed Studies</i>   | 12                   | UVA            | NPS           | \$50,000              |
| P12AC10918/0          | <i>Furthering Informal Education Activities in the Department of the Interior</i>  | 12                   | UMCP           | NPS           | \$23,712              |
| P12AC10918/1          | <i>Furthering Informal Education Activities in the Department of the Interior</i>  | 12                   | UMCP           | NPS           | \$43,716              |
| P12AC10918/2          | <i>Furthering Informal Education Activities in the Department of the Interior</i>  | 12                   | UMCP           | NPS           | \$0                   |
| P12AC10918/3          | <i>Furthering Informal Education Activities in the Department of the Interior</i>  | 12                   | UMCP           | NPS           | \$18,443              |
| P12AC10932/0          | <i>Developing the American Colonial Experiences Web Site</i>   | 12                   | W&M            | NPS           | \$14,688              |
| P12AC10261/1          | <i>Climate Change Communication Internship Program</i>   | 12                   | GMU            | NPS           | \$0                   |
| P12AC10946/1          | <i>Assessment of Natural Resource Condition for Shenandoah National Park (Virginia)</i>  | 12                   | UMCES-IAN      | NPS           |                       |
| P12AC11220/0          | <i>Ethnographic Overview and Assessment of the Quaker Colored Union Benevolent Cemetery Site at Rock Creek and Potomac Parkway ofr Rock Creek Park</i> | 12                   | HU             | NPS           | \$61,678              |



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|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| P12AC11096/0          | <i>Monitoring Estuarine Condition at Colonia NHP, George Washington Birthplace National Monument, and Assateague Island National Seashore, Northeast Coastal and Barrier Network, 2012-2013</i> | 12                   | W&M            | NPS           | \$58,208              |
| P12AC11128/0          | <i>Bat Swarming Surveys and Monitoring for White-Nose Syndrome at Indigo Tunnel, Cheasapeake and Ohio Canal National Historical Park</i>  | 12                   | UMCES-AL       | NPS           | \$4,000               |
| P12AC11128/1          | <i>Bat Swarming Surveys and Monitoring for White-Nose Syndrome at Indigo Tunnel, Cheasapeake and Ohio Canal National Historical Park</i>  | 12                   | UMCES-AL       | NPS           | \$0                   |
| P12AC11187/0          | <i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>   | 12                   | UMCES-IAN      | NPS           | \$29,165              |
| P12AC11187/1          | <i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>   | 12                   | UMCES-IAN      | NPS           | \$0                   |
| P12AC11206/0          | <i>Vision Paper: 21st Century National Park Service Interpreter Skills</i>  | 12                   | GWU            | NPS           | \$24,000              |
| P12AC11223/0          | <i>The Archeological and maritime Archeological Signatures of Slavery: Research and Education</i>   | 12                   | GWU            | NPS           | \$42,300              |
| P12AC11235/0          | <i>Washington, DC., Civil War Contraband Ethnography Study (1861-1877)</i>  | 12                   | AU             | NPS           | \$43,680              |
| P12AC10946/0          | <i>Assessment of Natural Resource Condition for Shenandoah National Park (Virginia)</i>   | 12                   | UMCES-IAN      | NPS           | \$82,990              |
| P11AT30685/2          | <i>Cooperative Watershed Studies</i>  | 12                   | UVA            | NPS           | \$0                   |



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|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| P12AC10857/0          | <i>Developing National Park Service Museum Management Guidance and Education Materials</i>                          | 12                   | GWU            | NPS           | \$20,000              |
| P12AC11236/0          | <i>Preservation and Analysis of National Park Service - National Capital Region Museum Collections</i>              | 12                   | GWU            | NPS           | \$80,000              |
| J-2340-10-0163/1      | <i>Estimating Masking Effects of Anthropogenic Noise on Wildlife</i>  | 12                   | UMCP           | NPS           | \$0                   |
| J-2112-10-0438/2      | <i>Modeling Coastal Vulnerability for Tidal Reaches of the Potomac and Anacostia Rivers</i>                         | 12                   | UMCES-AL       | NPS           | \$76,000              |
| J-3992-09-0503/2      | <i>Analysis and preservation of archeobotanical remains from the Salt Springs site in the Ocala National Forest</i> | 12                   | PSU            | NPS           | \$0                   |
| J-2112-10-0418/3      | <i>Natural Resource Assessment of Blue-ridge Parks in the NCR Network (HAFE, CATO, CHOH)</i>                        | 12                   | UMCES-IAN      | NPS           | \$50,000              |
| P10AC00054/2          | <i>Museum Photographic Collection Condition Survey and Treatments (YOSE)</i>  | 12                   | UD             | NPS           | \$0                   |
| J-3086-10-0061/2      | <i>Preservation of National Park Service Museum Collections</i>   | 12                   | UMCP           | NPS           | \$145,000             |
| P12AC10260/0          | <i>Research for the 150th Anniversary Celebration of the DC Emancipation and the Emancipation Proclamation</i>      | 12                   | AU             | NPS           | \$5,105               |
| G12AC20041/0          | <i>Development of the Global Land Cover Initiative Suite of Products</i>  | 12                   | UMCP           | USGS          | \$750,000             |
| P12AC10261/0          | <i>Climate Change Communication Internship Program</i>  | 12                   | GMU            | NPS           | \$79,033              |
| 68-7482-12-534/0      | <i>Soil Carbon Dynamics in Barrier Island Landscapes</i>  | 12                   | UMCP           | USDA NRCS     | \$40,000              |





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|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| J-3992-08-0100/2      | <i>To Weed or Not to Weed? An Economic Decision Support Tool for National Capital Region Parks</i>   | 12                   | UMCES-CBL      | NPS           | \$0                   |
| J-3992-09-0501/3      | <i>Development and Implementation of a Vegetation Monitoring Protocol for the Eastern Rivers and Mountains Network of the National Park Service</i>      | 12                   | PSU            | NPS           | \$0                   |
| J-3086-10-0061/4      | <i>Preservation of National Park Service Museum Collections</i>  | 12                   | UMCP           | NPS           | \$24,590              |
| J-3992-07-0400/8      | <i>Qualitative Analysis of Public Comments on the National Mall Memorial Parks Management Plan</i>   | 12                   | GMU            | NPS           | \$356,923             |
| J-3992-08-0100/3      | <i>To Weed or Not to Weed? An Economic Decision Support Tool for National Capital Region Parks</i>   | 12                   | UMCES-CBL      | NPS           | \$0                   |
| P11AT31053/1          | <i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>   | 12                   | UMCP           | NPS           | \$0                   |
| 68-7482-12-502/0      | <i>Monitoring and evaluating golden-winged warbler response to breeding habitat management associated with the NRCS Golden-winged Warbler Initiative</i> | 12                   | IUP            | USDA NRCS     | \$607,313             |
| J-3086-10-0061/3      | <i>Preservation of National Park Service Museum Collections</i>  | 12                   | UMCP           | NPS           | \$154,996             |
| T-3097-01-001/9       | <i>Establishment and Project Support for the NPS NCR CWCESU</i>  | 12                   | UMCES-AL       | NPS           | \$0                   |
| W912HZ-11-2-0046/1    | <i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>   | 12                   | UMCES-CBL      | USACE         | \$47,000              |
| W912HZ-11-2-0046/2    | <i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>   | 12                   | UMCES-CBL      | USACE         | \$0                   |



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|---------------------------|---|----------------------|----------------|---------------|-----------------------|
| W9126G-12-2-0059/0        | <i>Research to determine germination and microhabitat requirements and impacts of disturbance on Kneiskerns Beaked Rush</i> | 12                   | ANS-DU         | DOD,DUSD      | \$122,500             |
| W9126G-12-2-0008/0        | <i>Reducing Conflicts between COE Listed and High Priority Bird Populations on Rivers and Coasts</i>                        | 12                   | ABC            | DOD,DUSD      | \$138,394             |
| <b>Total for FY: 12</b>   |   |                      |                |               | <b>\$3,310,815.71</b> |
| <b>Projects for FY 13</b> |   |                      |                |               |                       |
| P12AC11017/2              | <i>Fish Coimmunity Assessment in the Eastern Rivers and Mountains Network and Integration with Existing Monitoring Data</i> | 13                   | PSU            | NPS           | \$0                   |
| P11AC90484/2              | <i>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</i>                 | 13                   | UMCES-AL       | NPS           | \$0                   |
| P11AC90484/3              | <i>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</i>                 | 13                   | UMCES-AL       | NPS           | \$0                   |
| P11AC90485/3              | <i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>                      | 13                   | UMCP           | NPS           | \$0                   |
| P11AT30685/3              | <i>Cooperative Watershed Studies</i>  | 13                   | UVA            | NPS           | \$0                   |
| P12AC11017/1              | <i>Fish Coimmunity Assessment in the Eastern Rivers and Mountains Network and Integration with Existing Monitoring Data</i> | 13                   | PSU            | NPS           | \$80,000              |
| P12AC10946/2              | <i>Assessment of Natural Resource Condition for Shenandoah National Park (Virginia)</i>                                     | 13                   | UMCES-IAN      | NPS           | \$15,000              |
| P11AT31051/1              | <i>Teaching Historic Places with Diverse Populations</i>  | 13                   | GMU            | NPS           | \$0                   |



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|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| P12AC10918/5          | <i>Furthering Informal Education Activities in the Department of the Interior</i>  | 13                   | UMCP           | NPS           | \$35,482              |
| P12AC10857/1          | <i>Developing National Park Service Museum Management Guidance and Education Materials</i>   | 13                   | GWU            | NPS           | \$35,000              |
| P12AC10918/4          | <i>Furthering Informal Education Activities in the Department of the Interior</i>  | 13                   | UMCP           | NPS           | \$12,551              |
| P10AC00042/4          | <i>Modeling Coastal Vulnerability for Tidal Reaches of the Potomac and Anacostia Rivers</i>  | 13                   | UMCES-AL       | NPS           | \$0                   |
| P11AT31053/2          | <i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>   | 13                   | UMCP           | NPS           | \$0                   |
| P12AC10260/1          | <i>Research for the 150th Anniversary Celebration of the DC Emancipation and the Emancipation Proclamation</i>   | 13                   | AU             | NPS           | \$0                   |
| P12AC10261/2          | <i>Climate Change Communication Internship Program</i>   | 13                   | GMU            | NPS           | \$84,100              |
| P12AC10590/1          | <i>NPSpecies and DataStore Application Management for the Eastern Rivers and Mountains Network</i>   | 13                   | PSU            | NPS           | \$0                   |
| P11AT30930/1          | <i>Natural resource assessments: Fredericksburg and Spotsylvania County Battlefield Memorial Park</i>  | 13                   | PSU            | NPS           | \$0                   |
| J-3992-09-0502/2      | <i>Assessment of Natural Resource Condition at Three National Parks in the Northeast Region: Roosevelt-Vanderbilt NHS (ROVA); Saratoga NHP (SARA), and Morristown NHP (MORR)</i> | 13                   | PSU            | NPS           | \$0                   |



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|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| G13AV00401/0          | <i>Assessing Damage to Coastal Wetlands from Hurricane Sandy in New Jersey and the Delmarva Coast and Their Prospects for Recovery Based on Long Term Archive of Change, and Trajectories of Post-Storm Trends Using the Marsh Surface Condition Index with Landsat</i> | 13                   | UVA            | USGS          | \$87,000              |
| G13AC00297/0          | <i>Extending and Advancing Remote Sensing Mapping of the Status and Trends of Marshes and Wetlands Forest</i>   | 13                   | UMCP           | USGS          | \$122,115             |
| G13AC00039/0          | <i>Assessment of Carbon Consequences of Land Management Greater Yellowstone Region</i>  | 13                   | UMCP           | USGS          | \$148,125             |
| P13AC01255/0          | <i>Informing Visitor Use Management Strategies for the Moose-Wilson Corridor, Grand Teton National Park</i>   | 13                   | PSU            | NPS           | \$154,603             |
| J-2128-10-0505/3      | <i>NPS Species taxonomic review and park species list re-certification for the Mojave Desert Network parks</i>  | 13                   | PSU            | NPS           | \$0                   |
| P13AC01429/0          | <i>Internships in resource management in national parks in urbanizing landscapes</i>  | 13                   | UMBC           | NPS           | \$98,450              |
| P13AC01450/0          | <i>Internships in resource management in national parks in urbanizing landscapes</i>  | 13                   | GMU            | NPS           | \$100,450             |
| P11AC90484/1          | <i>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</i>   | 13                   | UMCES-AL       | NPS           | \$0                   |
| W912HZ-13-2-0005/0    | <i>Reducing Potential Impacts to Federally-Listed Bird Populations on Rivers and Coasts</i>   | 13                   | ABC            | USACE         | \$133,773             |



## *CW CESU Projects by Federal FY11-FY16*

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| P10AC00054/3          | <i>Museum Photographic Collection Condition Survey and Treatments (YOSE)</i>  | 13                   | UD             | NPS           | \$0                   |
| W912HZ-13-2-0004/0    | <i>Testing a Potential Water Quality Indicator for Chesapeake Bay</i>   | 13                   | W&M            | USACE         | \$85,000              |
| J-3992-09-0503/3      | <i>Analysis and preservation of archeobotanical remains from the Salt Springs site in the Ocala National Forest</i>                                 | 13                   | PSU            | NPS           | \$0                   |
| W912HZ-11-2-0046/4    | <i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>  | 13                   | UMCES-CBL      | USACE         | \$114,850             |
| W912HZ-11-2-0046/3    | <i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>  | 13                   | UMCES-CBL      | USACE         | \$49,900              |
| J-4531-11-0810/1      | <i>A multi-scale program in Virginia, West Virginia, and Maryland to assess change in the acid-base chemistry of mountain streams</i>               | 13                   | UVA            | NPS           | \$0                   |
| P12AC10838/1          | <i>Cooperative Watershed Studies</i>  | 13                   | UVA            | NPS           | \$0                   |
| P10AC00042/3          | <i>Modeling Coastal Vulnerability for Tidal Reaches of the Potomac and Anacostia Rivers</i>   | 13                   | UMCES-AL       | NPS           | \$0                   |
| W9126G-13-2-0042/0    | <i>Old-Growth Forest Restoration</i>  | 13                   | PSU            | DOD,DUSD      | \$88,500              |
| J-3992-09-0501/4      | <i>Development and Implementation of a Vegetation Monitoring Protocol for the Eastern Rivers and Mountains Network of the National Park Service</i> | 13                   | PSU            | NPS           | \$0                   |
| P12AC11223/2          | <i>The Archeological and maritime Archeological Signatures of Slavery: Research and Education</i>   | 13                   | GWU            | NPS           | \$0                   |



## *CW CESU Projects by Federal FY11-FY16*

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| P12AC11223/1          | <i>The Archeological and maritime Archeological Signatures of Slavery: Research and Education</i>   | 13                   | GWU            | NPS           | \$45,825              |
| P12AC11187/2          | <i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>   | 13                   | UMCES-IAN      | NPS           | \$74,800              |
| P13AC01436/0          | <i>Museum Resource Center (MRCE) Collections Preservation and Analysis</i>  | 13                   | UMCP           | NPS           | \$60,017              |
| P12AC11235/1          | <i>Washington, DC,. Civil War Contraband Ethnography Study (1861-1877)</i>  | 13                   | AU             | NPS           | \$38,840              |
| P13AC01310/0          | <i>Assessment of Natural Resource Condition at Morristown National Historic Park (MOOR): Revision to included Hurricane Sandy Impacts</i> | 13                   | PSU            | NPS           | \$5,000               |
| P12AC11235/2          | <i>Washington, DC,. Civil War Contraband Ethnography Study (1861-1877)</i>  | 13                   | AU             | NPS           | \$38,840              |
| P13AC01433/0          | <i>Development of smart phone applications focused on NPS Pacific Island Resources</i>  | 13                   | UMCES-IAN      | NPS           | \$32,746              |
| P13AC01438/0          | <i>Parks as Classrooms: Rock Creek Park Urban Wildlife Kit</i>  | 13                   | NAB            | NPS           | \$19,975              |
| P13AC00802/0          | <i>Modeling Evapotranspiration (ET) in Everglades Natinal Park using Eddy Covariance Data and Satellite-based Information</i>             | 13                   | PSU            | NPS           | \$75,000              |
| P13AC01364/0          | <i>Visitor Perceptions of Climate Change in the US National Parks</i>   | 13                   | GMU            | NPS           | \$78,866              |
| P13AC00768/0          | <i>Cooperative Watershed Studies Program (SWAS/VTSSS)</i>   | 13                   | UVA            | NPS           | \$50,000              |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>   | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| P13AC01417/0          | <i>List of Classified Structures Update for Chesapeake and Ohio Canal NHP and Antietam National Battlefield</i>                          | 13                   | UMCP           | NPS           | \$41,187              |
| P13AC01401/0          | <i>Ethnographic Overview and Assessment Antietam National Battlefield</i>  | 13                   | CNU            | NPS           | \$50,000              |
| P13AC01416/0          | <i>NPS Cultural Resources Climate Change Strategy</i>  | 13                   | UMCP           | NPS           | \$36,673              |
| P12AC11223/3          | <i>The Archeological and maritime Archeological Signatures of Slavery: Research and Education</i>  | 13                   | GWU            | NPS           | \$45,825              |
| P13AC01447/0          | <i>Development of a Sustainable Water Feature Management Plan with Focus on Three Water Features in the National Capital Region</i>      | 13                   | UMCP           | NPS           | \$80,000              |
| P13AC00298/0          | <i>National Park Service's War of 1812 Bicentennial Commemoration: Content Development for Subject Site and Embedded Virtual Exhibit</i> | 13                   | GMU            | NPS           | \$130,000             |
| P13AC01198/0          | <i>Development of Visitor-based Acoustical Indicators and Standards</i>  | 13                   | PSU            | NPS           | \$79,210              |
| P13AC00868/0          | <i>A Social Normative Study of Backcountry Visitor's Acoustic Expectations and Experiences in Denali Park and Preserve</i>               | 13                   | PSU            | NPS           | \$29,000              |
| P12AC11128/2          | <i>Bat Swarming Surveys and Monitoring for White-Nose Syndrome at Indigo Tunnel, Chesapeake and Ohio Canal National Historical Park</i>  | 13                   | UMCES-AL       | NPS           | \$1,200               |
| P12AC11206/1          | <i>Vision Paper: 21st Century National Park Service Interpreter Skills</i>   | 13                   | GWU            | NPS           | \$0                   |
| P13AC01282/0          | <i>Archaeological Research and Investigation at the Eastern Front Unit, Petersburg National Battlefield, Virginia, NPS</i>               | 13                   | W&M            | NPS           | \$65,000              |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i>     | <i>Project title</i>   | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|---------------------------|--|----------------------|----------------|---------------|-----------------------|
| P13AC00788/0              | <i>Ethnographic Overview and Assessment of the Cape Cod National Seashore</i>  | 13                   | W&M            | NPS           | \$100,000             |
| P12AC11236/1              | <i>Preservation and Analysis of National Park Service - National Capital Region Museum Collections</i>   | 13                   | GWU            | NPS           | \$107,000             |
| <b>Total for FY: 13</b>   |  |                      |                |               | <b>\$2,729,903.03</b> |
| <b>Projects for FY 14</b> |  |                      |                |               |                       |
| P14AC00210/0              | <i>Identifying critical thresholds: relating soil solutions and exchangeable chemistry to detrimental plant responses</i>  | 14                   | PSU            | NPS           | \$20,539              |
| P10AC00050/7              | <i>Development of park focused, web based learning resources for coral communities in the changing climate of parks of the PACN network</i>  | 14                   | UMCES-CBL      | NPS           | \$0                   |
| P10AC00042/5              | <i>Modeling Coastal Vulnerability for Tidal Reaches of the Potomac and Anacostia Rivers</i>  | 14                   | UMCES-AL       | NPS           | \$5,963               |
| P14AC01354/0              | <i>Assessment of natural resource condition at two national park units in the Eastern Rivers and Mountains Network: Fort Necessity National Battlefield and Friendship Hill National Historic Site</i> | 14                   | PSU            | NPS           | \$90,000              |
| W9126G-14-2-0077/0        | <i>Amphibian and Prothonotary Warbler Surveys</i>  | 14                   | RICH           | DOD,DUSD      | \$110,091             |
| P13AC00802/2              | <i>Modeling Evapotranspiration (ET) in Everglades National Park using Eddy Covariance Data and Satellite-based Information</i>   | 14                   | PSU            | NPS           | \$85,000              |
| P13AC01198/1              | <i>Development of Visitor-based Acoustical Indicators and Standards</i>  | 14                   | PSU            | NPS           | \$107,999             |





## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| W912HZ-11-2-0046/5    | <i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>  | 14                   | UMCES-CBL      | USACE         | \$301,919             |
| P14AC00209/0          | <i>Climate Monitoring and Reporting in the Eastern Rivers and Mountains and the Mid-Atlantic Networks of the National Park Service US DOI</i> | 14                   | PSU            | NPS           | \$54,147              |
| G14AC00068/0          | <i>Developing and Amphibian Occurrence Database to Examine the Impact of Water Availability on Occupancy Dynamics</i>                         | 14                   | PSU            | USGS          | \$50,000              |
| G14AC00072/0          | <i>The Impact of Hurricane Sandy on Estuarine Ecosystems: Measuring Sediment Transport with Autonomous Underwater Vehicles</i>                | 14                   | UMCP           | USGS          | \$90,145              |
| G14AC00075/0          | <i>The Impact of Hurrican Sandy on Estuarine Ecosystems: Modeling Water-Quality and Ecological Functions</i>                                  | 14                   | UMCP           | USGS          | \$98,962              |
| G14AC00088/0          | <i>Hurrican Sandy - Linking Coastal Processes and Vulnerability - Assateague Island Regional</i>  | 14                   | UD             | USGS          | \$150,000             |
| G14AC00122/0          | <i>Collaborative Research: US Topo Evaluation and Cartographic Application for the Nation Map</i>   | 14                   | PSU            | USGS          | \$39,994              |
| G14AC00130/0          | <i>Evaluating the Limits of Wetland Adaptability to Sea Level Rise</i>  | 14                   | VIMS           | USGS          | \$120,306             |
| G14AC00202/0          | <i>Holocene Sedimentation and Sea Level History of the Tidal Marshes of the Potomac and Rappahannock Estuaries</i>                            | 14                   | UMW            | USGS          | \$27,462              |
| G14AC00259/0          | <i>Carbon consequences of Land Management: A Multi Region Assessment</i>  | 14                   | UMCP           | USGS          | \$181,001             |



## *CW CESU Projects by Federal FY11-FY16*

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| W912HZ-13-2-0005/2    | <i>Reducing Potential Impacts to Federally-Listed Bird Populations on Rivers and Coasts</i>   | 14                   | ABC            | USACE         | \$0                   |
| G14AC00419/0          | <i>Critical Wildlife Exposure Studies</i>   | 14                   | UMCP           | USGS          | \$72,850              |
| P13AC01416/1          | <i>NPS Cultural Resources Climate Change Strategy</i>   | 14                   | UMCP           | NPS           | \$51,999              |
| P13AC01447/1          | <i>Development of a Sustainable Water Feature Management Plan with Focus on Three Water Features in the National Capital Region</i>             | 14                   | UMCP           | NPS           | \$30,000              |
| 68-7482-12-524/0      | <i>Digital Soil Disaggregation in a Low-Relief Landscape to Support Wetland Restoration Decisions</i>   | 14                   | UMCP           | USDA NRCS     | \$50,000              |
| P13AC01419/0          | <i>CESU Network National Office Minority Fellowship - Geodatabase Policy</i>  | 14                   | HU             | NPS           | \$24,998              |
| P13AC01433/3          | <i>Development of smart phone applications focused on NPS Pacific Island Resources</i>  | 14                   | UMCES-IAN      | NPS           | \$0                   |
| 14-JV-11242302-144/0  | <i>Potential range changes of vegetation populations under climate change</i>   | 14                   | PSU            | USFS          | \$25,000              |
| 14-JV-11242302-062/0  | <i>Cerulean Warbler response to species-specific forest management guidelines and post-fldgling habitat use and survival in managed forests</i> | 14                   | PSU            | USFS          | \$0                   |
| J-3992-07-0400/9      | <i>Qualitative Analysis of Public Comments on the National Mall Memorial Parks Management Plan</i>  | 14                   | GMU            | NPS           | \$0                   |
| W912HZ-14-2-0017/0    | <i>Identifying Problematic Red Parent Material Soils in the Untied States</i>   | 14                   | UMCP           | USACE         | \$195,682             |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>   | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| W912HZ-13-2-0005/3    | <i>Reducing Potential Impacts to Federally-Listed Bird Populations on Rivers and Coasts</i>                      | 14                   | ABC            | USACE         | \$137,786             |
| G14AC00306/0          | <i>Climate Change Research Activities Synthesis</i>  | 14                   | UMCP           | USGS          | \$50,000              |
| P12AC10261/3          | <i>Climate Change Communication Internship Program</i>   | 14                   | GMU            | NPS           | \$44,548              |
| P12AC10263/0          | <i>Assessment of Inputs Leading to Water Quality Issues in a Small Watershed Near Potomac, Maryland</i>          | 14                   | UMW            | NPS           | \$0                   |
| PA12AC10947/2         | <i>Indigenous Cultural Landscapes: Literature Review, Identification and Mapping and Methodology Development</i> | 14                   | UMCP           | NPS           | \$0                   |
| P14AC01659/0          | <i>Historic Structures Inventory and Integrity Assessment Blue Ridge Parkway</i>                                 | 14                   | UMW            | NPS           | \$13,670              |
| P14AC01802/0          | <i>Ethnographic Resource Study: Subsistence Fishing on the Potomac and Anacostia Rivers</i>                      | 14                   | UMCP           | NPS           | \$60,000              |
| P14AC01801/0          | <i>New Media Design and Production Internship Program</i>  | 14                   | GWU            | NPS           | \$22,500              |
| P14AC00414/0          | <i>Terrestrial Invertebrate BioBlitz</i>   | 14                   | ANS-DU         | NPS           | \$11,183              |
| G14AC00057/0          | <i>Assessing Possible Impacts of Hurricane Sandy on Migrating Landbirds from Weather Radar Observations</i>      | 14                   | UD             | USGS          | \$84,000              |
| P14AC01790/0          | <i>National Capital Region Cultural Resource Program, Support CR-GIS Spatial Data Development</i>                | 14                   | UMCP           | NPS           | \$51,000              |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| P14AC00380/1          | <i>Submerged marine habitat mapping: a foundation for enhancing resilience to climate change and other stressors, Assateague Island National Seashore</i> | 14                   | UD             | NPS           | \$490,000             |
| P12AC10261/4          | <i>Climate Change Communication Internship Program</i>  | 14                   | GMU            | NPS           | \$0                   |
| P13AC00768/1          | <i>Cooperative Watershed Studies Program (SWAS/VTSSS)</i>   | 14                   | UVA            | NPS           | \$50,000              |
| P14AC01715/0          | <i>Ethnographic Overview and Assessment Harpers Ferry National Historical Park</i>  | 14                   | UMCP           | NPS           | \$65,000              |
| P12AC10857/3          | <i>Developing National Park Service Museum Management Guidance and Education Materials</i>  | 14                   | GWU            | NPS           | \$31,000              |
| P14AC01729/0          | <i>Evaluating Potential National Natural Landmarks (NNL)</i>  | 14                   | RICH           | NPS           | \$22,822              |
| P14AC01762/0          | <i>Inventory of Bat Community Composition and Monitoring for White Nose Syndrome at Five National Park units in Western PA</i>                            | 14                   | UMCES-AL       | NPS           | \$95,817              |
| P14AC00494/0          | <i>Implementing the Avian Monitoring Protocol for the National Park Service Units of the National Capital Region Network</i>                              | 14                   | UD             | NPS           | \$64,586              |
| P14AC01791/0          | <i>Boulderers' perceptions of Leave No Trace in Rocky Mountain National Park: Improving resource conditions and visitor experience</i>                    | 14                   | PSU            | NPS           | \$15,000              |
| P14AC01529/0          | <i>Research and Promote Potomac Heritage National Scenic Trail Experiences</i>  | 14                   | GWU            | NPS           | \$27,612              |
| P14AC01373/0          | <i>Radial growth analysis of trees in the National Park Service Eastern Rivers and Mountains Network</i>  | 14                   | PSU            | NPS           | \$11,634              |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>   | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| P14AC01323/0          | <i>National Park natural resource assessment: Synthesizing and interpreting existing natural resource information and studies to better inform park planning in New River Gorge National River</i> | 14                   | PSU            | NPS           | \$71,234              |
| P12AC11236/3          | <i>Preservation and Analysis of National Park Service - National Capital Region Museum Collections</i>   | 14                   | GWU            | NPS           | \$60,000              |
| P11AC90484/4          | <i>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</i>  | 14                   | UMCES-AL       | NPS           | \$0                   |
| P11AC90485/4          | <i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>   | 14                   | UMCP           | NPS           | \$0                   |
| P14AC01495/0          | <i>Bird Community Composition and Site Occupancy Dynamics in the National Park Service Eastern Rivers and Mountains Network</i>  | 14                   | PSU            | NPS           | \$93,963              |
| P14AC1358/0           | <i>Identify and Evaluate Archeological Sites on Fire Island National Seashore Threatened by Coastal Erosion</i>  | 14                   | W&M            | NPS           | \$70,000              |
| P12AC11128/3          | <i>Bat Swarming Surveys and Monitoring for White-Nose Syndrome at Indigo Tunnel, Chesapeake and Ohio Canal National Historical Park</i>  | 14                   | UMCES-AL       | NPS           | \$95,000              |
| P14AC01605/0          | <i>Introductory Training on Program Evaluation with Focus on Internships</i>   | 14                   | GWU            | NPS           | \$15,110              |
| P14AC01532/0          | <i>Archeological Overview and Assessment of Richmond National Battlefield Park, Richmond VA</i>  | 14                   | W&M            | NPS           | \$95,000              |
| P12AC10940/2          | <i>Mapping Submerged Aquatic Vegetation in the Upper and Middle Delaware Scenic and Recreational Rivers</i>  | 14                   | WPC            | NPS           | \$0                   |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i>     | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|---------------------------|---|----------------------|----------------|---------------|-----------------------|
| P14AC01554/0              | <i>Monitoring Benthic Macroinvertebrates</i>  | 14                   | GMU            | NPS           | \$33,046              |
| P12AC10918/8              | <i>Furthering Informal Education Activities in the Department of the Interior</i>   | 14                   | UMCP           | NPS           | \$230,756             |
| P14AC00924/0              | <i>Forest understory community composition in response to canopy disturbance in the NPS Eastern Rivers and Mountains Network</i>                          | 14                   | PSU            | NPS           | \$76,988              |
| P14AC00494/1              | <i>Implementing the Avian Monitoring Protocol for the National Park Service Units of the National Capital Region Network</i>                              | 14                   | UD             | NPS           | \$55,551              |
| P14AC01582/0              | <i>Review and Testing Avian Monitoring Protocols for the Mid-Atlantic and National Capital Region I&amp;M Networks of the National Park Service</i>       | 14                   | UD             | NPS           | \$59,398              |
| P14AC00380/0              | <i>Submerged marine habitat mapping: a foundation for enhancing resilience to climate change and other stressors, Assateague Island National Seashore</i> | 14                   | UD             | NPS           | \$299,998             |
| <b>Total for FY: 14</b>   |   |                      |                |               | <b>\$4,588,258.99</b> |
| <b>Projects for FY 15</b> |   |                      |                |               |                       |
| 68-7482-15-501/0          | <i>Monitoring and evaluating golden-winged warbler response to breeding habitat management associated with the NRCS Golden-winged Warbler Initiative</i>  | 15                   | IUP            | USDA NRCS     | \$310,000             |
| P13AC01401/1              | <i>Ethnographic Overview and Assessment Antietam National Battlefield</i>   | 15                   | CNU            | NPS           | \$9,000               |
| P13AC01416/2              | <i>NPS Cultural Resources Climate Change Strategy</i>   | 15                   | UMCP           | NPS           | \$8,265               |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| P13AC01429/1          | <i>Internships in resource management in national parks in urbanizing landscapes</i>  | 15                   | UMBC           | NPS           | \$10,000              |
| P14AC01373/1          | <i>Radial growth analysis of trees in the National Park Service Eastern Rivers and Mountains Network</i>                                    | 15                   | PSU            | NPS           | \$35,457              |
| P13AC01372/0          | <i>Potomac River Gorge Environmental History and Historic Resource Study</i>  | 15                   | UMCP           | NPS           | \$107,000             |
| 68-7482-15-527/0      | <i>Web-based tool for estimating climate change impacts on CONUS cropping patterns using the National Commodity Crop Productivity Index</i> | 15                   | PSU            | USDA NRCS     | \$75,000              |
| P14AC01554/1          | <i>Monitoring Benthic Macroinvertebrates</i>  | 15                   | GMU            | NPS           | \$39,996              |
| P15AC0106/0           | <i>Anthropogenic Soil Disturbance Affects and Baseline Inventory of Archaea for the George Washington Memorial Parkway, McLean Virginia</i> | 15                   | VIMS           | NPS           | \$4,769               |
| P15AC00348/0          | <i>A Survey of Fauna of Seepage Springs in National Capital Parks-East (NACE)</i>   | 15                   | AU             | NPS           | \$38,187              |
| P15AC00083/0          | <i>Geophysical Survey and Archeological Site Assessment at Fort Necessity National Battlefield</i>  | 15                   | IUP            | NPS           | \$79,766              |
| P14AC01802/1          | <i>Ethnographic Resource Study: Subsistence Fishing on the Potomac and Anacostia Rivers</i>   | 15                   | UMCP           | NPS           | \$81,050              |
| P14AC01790/1          | <i>National Capital Region Cultural Resource Program, Support CR-GIS Spatial Data Development</i>   | 15                   | UMCP           | NPS           | \$41,052              |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| P15AC00821/0          | <i>Bat Community Composition and Monitoring for White-Nose Syndrome at First State National Monument, Delaware and Pennsylvania</i>                     | 15                   | UMCES-AL       | NPS           | \$29,990              |
| P14AC01762/1          | <i>Inventory of Bat Community Composition and Monitoring for White Nose Syndrome at Five National Park units in Western PA</i>                          | 15                   | UMCES-AL       | NPS           | \$146,191             |
| P26AC01045/0          | <i>Moisture Ingress Investigatin and Treatment Plan for the Second Bank of the United States, Independence National Historical Park</i>                 | 15                   | UMW            | NPS           | \$73,996              |
| P15AC01164/0          | <i>Translation of NPS Interpretive Material from English to Spanish</i>   | 15                   | UMCP           | NPS           | \$29,100              |
| P15AC01186/0          | <i>Furthering Partnership Activities for the NPS Centennial</i>   | 15                   | UMCP           | NPS           | \$11,477              |
| P15AC0106/2           | <i>Anthropogenic Soil Disturbance Affects and Baseline Inventory of Archaea for the George Washington Memorial Parkway, McLean Virginia</i>             | 15                   | VIMS           | NPS           | \$0                   |
| P15AC01421/0          | <i>Inventory of Rare Groundwater Amphipods in Potomac River Gorge (GWMP)</i>  | 15                   | VaDCR-DNH      | NPS           | \$7,500               |
| 15-JV-11242302-048/0  | <i>Effects of vegetation, corridor width and regional land use on avian use and productivity within shale gas pipelines and adjacent forest habitat</i> | 15                   | PSU            | USFS          | \$25,260              |
| N/A-SHIP/0            | <i>NOTE: There have been no CW CESU projects reported to the host office for Shippensburg University.</i>   | 15                   | SHIP           |               | \$0                   |
| P15AC01531/0          | <i>Promoting Potomac Heritage National Scenic Trail Experiences</i>   | 15                   | GWU            | NPS           | \$27,612              |
| P15AC01541/0          | <i>Phase II, CR-GIS Spatial Data</i>  | 15                   | UMCP           | NPS           | \$45,000              |





## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| P15AC01663/0          | <i>Preservation and Documentation of National Park Service Museum Collections</i>   | 15                   | GWU            | NPS           | \$70,000              |
| P15AC01691/0          | <i>Every Kid in a Park Initiative</i>   | 15                   | UMCP           | NPS           | \$132,000             |
| P15AC00500/0          | <i>Soil Monitoring and Analysis for National Capital Region Network Parks</i>   | 15                   | UMCP           | NPS           | \$20,721              |
| P12AC30171/0          | <i>Appalachian National Scenic Trail: Hiker Perspectives of Power Lines and Development Study</i>   | 15                   | PSU            | NPS           | \$0                   |
| P13AC01436/1          | <i>Museum Resource Center (MRCE) Collections Preservation and Analysis</i>  | 15                   | UMCP           | NPS           | \$0                   |
| P14AC00209/1          | <i>Climate Monitoring and Reporting in the Eastern Rivers and Mountains and the Mid-Atlantic Networks of the National Park Service US DOI</i> | 15                   | PSU            | NPS           | \$0                   |
| P13AC01450/1          | <i>Internships in resource management in national parks in urbanizing landscapes</i>  | 15                   | GMU            | NPS           | \$60,237              |
| P14AC01495/1          | <i>Bird Community Composition and Site Occupancy Dynamics in the National Park Service Eastern Rivers and Mountains Network</i>               | 15                   | PSU            | NPS           | \$70,153              |
| P15AC01239/0          | <i>Fort Necessity NB Archeological Overview and Assessment</i>  | 15                   | IUP            | NPS           | \$52,000              |
| N/A-GC/0              | <i>NOTE: There have been no CW CESU projects reported to the host office for Garrett College</i>  | 15                   | GC             |               | \$0                   |
| P14AC00494/2          | <i>Implementing the Avian Monitoring Protocol for the National Park Service Units of the National Capital Region Network</i>                  | 15                   | UD             | NPS           | \$46,443              |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| N/A-JMU/0             | <i>NOTE: There have been no CW CESU projects reported to the host office for James Madison University</i>   | 15                   | JMU            |               | \$0                   |
| W912HZ-15-2-0029/0    | <i>Developing Benefit Indicators and Valuation Approaches for Ecosystem Service Evaluations</i>   | 15                   | UMCES-CBL      | USACE         | \$230,000             |
| W912HZ-15-2-0028/0    | <i>Evaluating State-of-the-art Methods and Modeling Techniques for Rubble Mound Structure</i>   | 15                   | UD             | USACE         | \$35,000              |
| W912HZ-13-2-0005/5    | <i>Reducing Potential Impacts to Federally-Listed Bird Populations on Rivers and Coasts</i>   | 15                   | ABC            | USACE         | \$85,955              |
| W912HZ-11-2-0046/6    | <i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>  | 15                   | UMCES-CBL      | USACE         | \$0                   |
| W9126G-15-2-0064/0    | <i>Shoreline Study and Management Plan for US Army Garrison Adelphi Laboratory Center and Blossom Point Research Facility, Maryland</i>                                   | 15                   | VIMS           | DOD,DUSD      | \$44,780              |
| W9126G-15-2-0059/0    | <i>Prothonotary Warbler</i>   | 15                   | VCU            | DOD,DUSD      | \$93,227              |
| W9126G-15-2-0012/0    | <i>Determination of germination and microhabitat requirements and role of disturbance on Knieskern's beaked rush (Rhynchospora knieskernii) at Warren Grove Range, NJ</i> | 15                   | ANS-DU         | DOD,DUSD      | \$31,000              |
| N/A-DSU/0             | <i>NOTE: There have been no CW CESU projects reported to the host office for Delaware State University</i>  | 15                   | DESU           |               | \$0                   |
| P11AC90485/5          | <i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>  | 15                   | UMCP           | NPS           | \$0                   |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>  | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|---|----------------------|----------------|---------------|-----------------------|
| N/A-NOAA/0            | <i>NOTE: There have been no CW CESU projects reported to the host office for NOAA</i>   | 15                   |                | NOAA          | \$0                   |
| P0900026/6            | <i>Comparative Research on Regional Algonquian Phases at the Manna Site Delaware Water Gap National Recreation Area, Pike County PA</i>   | 15                   | W&M            | NPS           | \$0                   |
| P10AC00050/8          | <i>Development of park focused, web based learning resources for coral communities in the changing climate of parks of the PACN network</i>   | 15                   | UMCES-CBL      | NPS           | \$0                   |
| W9126G-15-2-0056/0    | <i>Level II HABS//HAER/HAL Documentation of the E4400 Block at Aberdeen Proving Ground</i>  | 15                   | W&M            | DOD,DUSD      | \$28,777              |
| W9126G-15-2-0055/0    | <i>Red-Headed Woodpecker Survey</i>   | 15                   | VCU            | DOD,DUSD      | \$83,208              |
| W9126G-15-2-0054/0    | <i>Molecular Characterization and Environmental Samples and Sensors</i>   | 15                   | GMU            | DOD,DUSD      | \$54,500              |
| W9126G-15-2-0015/0    | <i>Ecological Studies at Warren Grove Gunnerty Range in Support of the Integrated Natural Resources Management Plan: Comprehensive Insect Survey with Focus on TERS, Pest Insects and Wildfire Risk</i> | 15                   | ANS-DU         | DOD,DUSD      | \$240,000             |
| W9126G-15-2-0014/0    | <i>Ecological Studies at Warren Grove Gunnery Range in Support of Integrated Natural Resources Management Plan: Key Wetland Habitat Survey and Water Quality Monitoring</i>                             | 15                   | ANS-DU         | DOD,DUSD      | \$206,997             |
| N/A-AACC/0            | <i>NOTE: There have been no CW CESU projects reported to the host office for Anne Arundel Community College</i>   | 15                   | AACC           |               | \$0                   |
| P13AC00298/1          | <i>National Park Service's War of 1812 Bicentennial Commemoration: Content Development for Subject Site and Embedded Virtual Exhibit</i>  | 15                   | GMU            | NPS           | \$0                   |



## *CW CESU Projects by Federal FY11-FY16*

| <i>Project Number</i> | <i>Project title</i>   | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| G15AC00183/0          | <i>Climate Change Research Activities Synthesis (Phase II)</i>   | 15                   | UMCP           | USGS          | \$199,477             |
| G15AC00458/0          | <i>Use of a sustained release chemical device in assessing effects of systemic insecticides</i>  | 15                   | VCU            | USGS          | \$20,821              |
| P13AC01255/2          | <i>Informing Visitor Use Management Strategies for the Moose-Wilson Corridor, Grand Teton National Park</i>  | 15                   | PSU            | NPS           | \$9,338               |
| P13AC00802/3          | <i>Modeling Evapotranspiration (ET) in Everglades Natinal Park using Eddy Covariance Data and Satellite-based Information</i>  | 15                   | PSU            | NPS           | \$75,000              |
| P13AC00768/2          | <i>Cooperative Watershed Studies Program (SWAS/VTSSS)</i>  | 15                   | UVA            | NPS           | \$50,000              |
| P13AC00751/2          | <i>Monitoring Estuarine Condition at Colonia Natinal Historical Park, George Washington Birthplace National Monument, and Assateague Island National Seashore, Northeast Coastal and Barrier Network</i> | 15                   | VIMS           | NPS           | \$60,461              |
| P13AC00751/1          | <i>Monitoring Estuarine Condition at Colonia Natinal Historical Park, George Washington Birthplace National Monument, and Assateague Island National Seashore, Northeast Coastal and Barrier Network</i> | 15                   | VIMS           | NPS           | \$50,041              |
| P13AC000375/4         | <i>A multi-scale program in Virginia, West Virginia, and Maryland to assess change in acid-based chemistry of mountain streams</i>   | 15                   | UVA            | NPS           | \$199,988             |
| G15AC00020/0          | <i>University of Nevada LAA: Development of Landsat and Climate Products to Assist in Muliti-Temporal Climate and Vegetation Monitoring in the Sierra NV and Great Basin Ecoregions</i>                  | 15                   | UN             | USGS          | \$20,000              |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i> | <i>Project title</i>   | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i> |
|-----------------------|--|----------------------|----------------|---------------|-----------------------|
| P13AC00298/2          | <i>National Park Service's War of 1812 Bicentennial Commemoration: Content Development for Subject Site and Embedded Virtual Exhibit</i> | 15                   | GMU            | NPS           | \$0                   |
| P13AC01419/1          | <i>CESU Network National Office Minority Fellowship - Geodatabase Policy</i>   | 15                   | HU             | NPS           | \$13,501              |
| P12AC11236/4          | <i>Preservation and Analysis of National Park Service - National Capital Region Museum Collections</i>                                   | 15                   | GWU            | NPS           | \$0                   |
| P12AC11235/3          | <i>Washington, DC., Civil War Contraband Ethnography Study (1861-1877)</i>   | 15                   | AU             | NPS           | \$0                   |
| P12AC11223/4          | <i>The Archeological and maritime Archeological Signatures of Slavery: Research and Education</i>  | 15                   | GWU            | NPS           | \$0                   |
| P12AC11187/4          | <i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>  | 15                   | UMCES-IAN      | NPS           | \$42,710              |
| P12AC10940/4          | <i>Mapping Submerged Aquatic Vegetation in the Upper and Middle Delaware Scenic and Recreational Rivers</i>                              | 15                   | WPC            | NPS           | \$0                   |
| P12AC10932/1          | <i>Developing the American Colonial Experiences Web Site</i>   | 15                   | W&M            | NPS           | \$0                   |
| P12AC10261/5          | <i>Climate Change Communication Internship Program</i>   | 15                   | GMU            | NPS           | \$5,000               |
| P11AC90487/0          | <i>List of Classified Structures Update</i>  | 15                   | UMCP           | NPS           | \$50,000              |
| P13AC00298/3          | <i>National Park Service's War of 1812 Bicentennial Commemoration: Content Development for Subject Site and Embedded Virtual Exhibit</i> | 15                   | GMU            | NPS           | \$0                   |



## CW CESU Projects by Federal FY11-FY16

| <i>Project Number</i>                      | <i>Project title</i>   | <i>FY of Funding</i> | <i>Partner</i> | <i>Agency</i> | <i>Funding Amount</i>  |
|--|--|----------------------|----------------|---------------|------------------------|
| <b>Total for FY: 15</b>                    |  |                      |                |               | <b>\$3,617,002.13</b>  |
| <b>Projects for FY 16</b>                  |  |                      |                |               |                        |
| P12AC11220/1                               | <i>Ethnographic Overview and Assessment of the Quaker Colored Union Benevolent Cemetery Site at Rock Creek and Potomac Parkway ofr Rock Creek Park</i> | 16                   | HU             | NPS           | \$0                    |
| P15AC0106/1                                | <i>Anthropogenic Soil Disturbance Affects and Baseline Inventory of Archaea for the George Washington Memorial Parkway, McLean Virginia</i>            | 16                   | VIMS           | NPS           | \$0                    |
| P13AC01364/1                               | <i>Visitor Perceptions of Climate Change in the US National Parks</i>  | 16                   | GMU            | NPS           | \$0                    |
| P12AC11187/5                               | <i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>  | 16                   | UMCES-IAN      | NPS           | \$0                    |
| <b>Total for FY: 16</b>                    |  |                      |                |               | <b>\$0.00</b>          |
| <b>Total Funding for all Fiscal Years:</b> |  |                      |                |               | <b>\$16,831,692.86</b> |