

**Title** (see below)  
**First Name** Laura  
**Middle Name**  
**Last Name** Brophy  
**Institution(s)** Principal, Green Point Consulting, Corvallis, OR  
 Courtesy Faculty, Oregon State University  
**Department**  
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**Research Fields**

<input type="checkbox"/>	Atmospheric chemistry	<input type="checkbox"/>	Impacts - agriculture & horticulture
<input type="checkbox"/>	Biogeochemistry	<input checked="" type="checkbox"/>	Impacts - ecosystems, populations
<input type="checkbox"/>	Carbon Footprint Analysis	<input type="checkbox"/>	Impacts - physical
<input type="checkbox"/>	Climatology	<input type="checkbox"/>	Instrumentation
<input type="checkbox"/>	Community & Disaster Planning	<input type="checkbox"/>	Mitigation Policy
<input type="checkbox"/>	Data Analysis & Statistical Modeling	<input type="checkbox"/>	Modeling Climate
<input checked="" type="checkbox"/>	Ecology & Ecosystem Management	<input type="checkbox"/>	Modeling Ecosystems
<input type="checkbox"/>	Economics	<input type="checkbox"/>	Modeling Socioeconomic Processes
<input type="checkbox"/>	Energy policy & technology	<input checked="" type="checkbox"/>	Natural Resource Policy & Planning
<input type="checkbox"/>	Ethics	<input checked="" type="checkbox"/>	Outreach & Engagement
<input type="checkbox"/>	Fire	<input type="checkbox"/>	Paleoclimatology
<input type="checkbox"/>	Forestry & Forest Management	<input type="checkbox"/>	Paleoecology
<input type="checkbox"/>	Geographic Information Systems	<input checked="" type="checkbox"/>	Physical Ecology
<input type="checkbox"/>	Horticulture	<input type="checkbox"/>	Physiological Ecology
<input type="checkbox"/>	Human Impacts - economics	<input type="checkbox"/>	Urban Ecology
<input type="checkbox"/>	Human Impacts - health	<input type="checkbox"/>	Water Policy & Planning
<input type="checkbox"/>	Human Impacts - policy	<input checked="" type="checkbox"/>	Other... Coastal Wetlands
<input checked="" type="checkbox"/>	Hydrology		

**Specific Research Interests**

I provide scientific decision support for coastal wetland restoration and conservation in Oregon and the Pacific Northwest. My project focus is dual-scale:

1. At the landscape scale, I conduct research and provide technical expertise to government agencies, tribes, and private organizations to assist in strategic planning for estuarine and freshwater wetland conservation and restoration.
2. At the site scale, I design, implement and evaluate the results of coastal wetland restoration projects. This work includes development and implementation of effectiveness monitoring programs to evaluate project results and provide accountability for restoration investments. I lead and participate in multiple interdisciplinary teams that are implementing and monitoring Oregon's largest estuarine wetland restoration projects.

## **Selected Recent Projects**

### **Part I: Basin, state and regional assessment and planning projects**

In-Situ Multichannel Wireless Sensor Networks and iButton Temperature Logger Arrays for Characterizing Habitat Drivers in Tidal Wetland Reference Sites. 2006-current. Funded by the Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET). Research team: Laura Brophy (Green Point Consulting), Technical Lead; Craig Cornu (South Slough National Estuarine Research Reserve), Principal Investigator, Paul Adamus (Adamus Resource Assessment), Investigator, John Christy (Oregon Natural Heritage Information Center), Investigator. Products at <http://ciceet.unh.edu/>.

Development and application of monitoring protocols at Pacific Northwest tidal wetland restoration and reference sites. 2005-current. Funded by USDA Forest Service, Northwest Oregon Ecology Group, Corvallis, OR. <http://www.fs.fed.us/r6/siuslaw/>.

Development of an estuary assessment protocol for the Oregon Watershed Assessment Manual. 2005. Funded by the Oregon Coastal Management Program (<http://www.oregon.gov/LCD/OCMP/>), Oregon Department of Land Conservation and Development, Salem, OR, and developed in collaboration with the Oregon Watershed Enhancement Board (<http://www.oweb.state.or.us>), Salem, OR. Products at [http://www.oregon.gov/OWEB/docs/pubs/OR\\_wsassess\\_manuals.shtml#Estuary\\_Assessment](http://www.oregon.gov/OWEB/docs/pubs/OR_wsassess_manuals.shtml#Estuary_Assessment).

Tidal wetland assessment and prioritization, Necanicum River estuary, Oregon. 2009-current. Funded by the Oregon Watershed Enhancement Board (<http://www.oweb.state.or.us>), Salem, OR and performed in collaboration with the North Coast Land Conservancy (<http://www.nclctrust.org>), Seaside, OR.

Tidal wetland assessment and prioritization, Siuslaw River estuary, Oregon. 2005. Funded by the Oregon Department of Environmental Quality (<http://www.oregon.gov/DEQ/>) and performed in collaboration with the Siuslaw Watershed Council (<http://www.siuslaw.org>), Mapleton, OR.

Tidal wetland assessment and prioritization, Nehalem River Estuary, Oregon. 2004. Funded by the U.S. Fish and Wildlife Service Coastal Program (<http://www.fws.gov/coastal/>), Newport Field Office, OR. Project Team: Brophy (Green Point Consulting) and Khemarith So of USFWS.

Tidal wetland assessment and prioritization, Umpqua River Estuary, Oregon. 2004. Funded by the U.S. Fish and Wildlife Service Coastal Program (<http://www.fws.gov/coastal/>), Newport Field Office, OR. Project Team: Brophy (Green Point Consulting) and Khemarith So of USFWS.

Tidal wetland assessment and prioritization, Yaquina and Alsea River Estuaries, Oregon. 1999. Funded by the [HYPERLINK "http://www.oweb.state.or.us"](http://www.oweb.state.or.us) Oregon Watershed Enhancement Board (<http://www.oweb.state.or.us>), Salem, OR, and performed for the MidCoast Watersheds Council (<http://www.midcoastwatershedscouncil.org>), Newport, OR.

### **Part II: Site-specific monitoring and research**

Effectiveness monitoring at Little Nestucca restoration site, Nestucca Bay NWR, Nestucca River Estuary of Oregon. 2008-2009. Funded by the Oregon Watershed Enhancement Board (<http://www.oweb.state.or.us>), Salem, OR, and performed for Ducks Unlimited (<http://www.ducks.org>), Vancouver, WA.

Effectiveness monitoring at Nilestun Unit restoration site and Bandon Marsh Unit reference site, Bandon Marsh NWR, Coquille River Estuary of Oregon. 2009-current. Funded by the Oregon Watershed Enhancement Board (<http://www.oweb.state.or.us>) Salem, OR, and performed for Ducks Unlimited (<http://www.ducks.org>), Vancouver, WA.

Effectiveness monitoring at Lint Slough tidal wetland restoration and reference sites, Alsea River Estuary of Oregon. 2007-current. Performed for the Oregon Department of Fish and Wildlife (<http://www.dfw.state.or.us>) and the MidCoast Watersheds Council (<http://www.midcoastwatershedscouncil.org>), Newport, OR.

Effectiveness monitoring at Tamara Quays tidal wetland restoration sites, USFS, Salmon River Estuary of Oregon. 2007-current. Funded by multiple entities and performed for the Salmon-Drift Creek Watershed Council (<http://www.salmondrift.org>), Lincoln City, OR.

Effectiveness monitoring at North Fork Siuslaw River tidal swamp restoration and reference sites, Siuslaw River Estuary of Oregon. 2006-current. Funded by the Oregon Department of Transportation and performed for the Siuslaw Soil and Water Conservation District (<http://www.siuslawswcd.org>), Florence, OR.

Effectiveness monitoring at 5 tidal wetland restoration and reference sites, Siuslaw River Estuary of Oregon. 2006-2009. Funded by the U.S. Environmental Protection Agency's Targeted Watersheds Grant Program (<http://www.epa.gov/twg/>) and performed for Ecotrust (<http://www.ecotrust.org>), Portland, OR

Post-implementation vegetation monitoring at estuarine wetland restoration sites, Siletz and Yaquina River estuaries. 2007. Performed for the Confederated Tribes of Siletz Indians (<http://ctsi.nsn.us>), Siletz, OR.

Ecology of freshwater wetland restoration sites, South Slough National Estuarine Research Reserve, Charleston, OR. 2005. Performed for [HYPERLINK "" South Slough National Estuarine Research Reserve](http://www.oregonstatelands.us/DSL/SSNERR/index.shtml) (<http://www.oregonstatelands.us/DSL/SSNERR/index.shtml>), Charleston, OR.

Baseline monitoring of plant communities and soils, Bandon National Wildlife Refuge, Oregon. 2005. Performed for USFWS Coast National Wildlife Refuge Complex (<http://www.fws.gov/oregoncoast/>), Newport, OR.

Plant community monitoring, Anderson Creek, South Slough National Estuarine Research Reserve. 2002-2005. Performed for South Slough National Estuarine Research Reserve (<http://www.oregonstatelands.us/DSL/SSNERR/index.shtml>), Charleston, OR.

Design, implementation, and monitoring of estuarine wetland restoration and reference sites in the Yaquina River Estuary of Oregon. 2000-2002. Funded by Funding agency: Funded by the Oregon Watershed Enhancement Board (<http://www.oweb.state.or.us>), Salem, OR, and performed for the MidCoast Watersheds Council (<http://www.midcoastwatershedscouncil.org>), Newport, OR.

### **Selected Recent Publications**

Brophy, L.S. (Green Point Consulting). 2009. Effectiveness Monitoring for Tidal Wetland Restoration and Reference Sites in the Siuslaw River Estuary. Prepared for Ecotrust, Portland, OR.

Brophy, L. (Green Point Consulting), P. Adamus, J. Christy, C. Cornu, R. Tully, J. Doumbia and C. Young. 2009. CICEET Progress Report for the Period 3/1/09 through 9/1/09: In-Situ Multichannel Wireless Sensor Networks and iButton Temperature Logger Arrays for Characterizing Habitat Drivers in Tidal Wetland Reference Sites. Progress report to CICEET (<http://ciceet.unh.edu>). (Further progress reports are available at same website.)

Brophy, L.S. (Green Point Consulting). 2008. Annual Compensatory Wetland Mitigation Monitoring Report 2008: Off-site Mitigation, North Fork Siuslaw River Bridge Project. Prepared for Siuslaw Soil and Water Conservation District. 45 pp.

- Brophy, L.S. (Green Point Consulting) and J.A. Christy. 2008. Pre-construction Baseline Monitoring: Lint Slough, Alsea Estuary, Oregon. Prepared for Oregon Department of Fish and Wildlife and the MidCoast Watersheds Council. 90 pp.
- Brophy, L.S. (Green Point Consulting). 2007. Estuary Assessment: Component XII of the Oregon Watershed Assessment Manual. Prepared for the Oregon Department of Land Conservation and Development, Salem, OR and the Oregon Watershed Enhancement Board, Salem, OR.
- Brophy, L.S. (Green Point Consulting). 2007. Offsite Mitigation Plan: North Fork Siuslaw River Bridge. Prepared for Siuslaw Soil and Water Conservation District and Oregon Department of Transportation. 81 pp.
- Brophy, L.S. (Green Point Consulting). 2007. Vegetation monitoring and mapping at tidal wetland restoration and reference sites: Siletz Bay National Wildlife Refuge and Yaquina River Estuary. Prepared for Confederated Tribes of Siletz Indians, Siletz, OR. 42 pp.
- Brophy, L.S. (Green Point Consulting). 2006a. Protocol: Estuarine vegetation classification project. Prepared for USDA Forest Service, Northwest Oregon Ecology Group. 12 pp.
- Brophy, L.S. (Green Point Consulting). 2006b. Lower Drift Creek restoration project: Vegetation monitoring at tidal wetland restoration and reference sites, 2005. Prepared for MidCoast Watersheds Council, Newport, OR. 27 pp.
- Brophy, L.S. (Green Point Consulting). 2005a. Estuary Assessment: Component module of the Oregon Watershed Assessment Manual. Prepared for the Oregon Watershed Enhancement Board, Salem, Oregon. 108 pp.
- Brophy, L.S. (Green Point Consulting). 2005b. Restoring freshwater wetlands in the South Slough National Estuarine Research Reserve: Links between water table elevation, soils, and plant communities in restored, altered, and undisturbed wetlands. Prepared for South Slough National Estuarine Research Reserve, Charleston, OR.
- Brophy, L.S. (Green Point Consulting). 2005c. Baseline monitoring of soils and plant communities, and vegetation mapping: USFWS tidal marsh restoration and reference sites, Bandon Marsh National Wildlife Refuge. Prepared for the U.S. Fish and Wildlife Service, Oregon Coast National Wildlife Refuge Complex, Newport, OR.
- Brophy, L.S. (Green Point Consulting), and K. So. 2005a. Tidal wetland prioritization for the Siuslaw River estuary. Prepared for the Siuslaw Watershed Council, Mapleton, OR.
- Brophy, L.S. (Green Point Consulting), and K. So. 2005a. Tidal wetland prioritization for the Nehalem River estuary. Prepared for the USFWS Coastal Program, Newport OR.
- Brophy, L.S. (Green Point Consulting), and K. So. 2005b. Tidal wetland prioritization for the Umpqua River estuary. Prepared for the USFWS Coastal Program, Newport OR.
- Brophy, L.S. (Green Point Consulting), and K. So. 2005c. Tidal wetland prioritization for the Smith River Watershed, Umpqua River estuary of Oregon. Prepared for the USFWS Coastal Program, Newport OR.
- Brophy, L.S. (Green Point Consulting). 2004a. Yaquina estuarine restoration project: Final report. Prepared for the MidCoast Watersheds Council, Newport, OR. 99 pp.
- Brophy, L.S. (Green Point Consulting). 2002a. Siletz Bay NWR and Nestucca Bay NWR Tidal Marsh Restoration and Reference Sites: Baseline Plant Community Monitoring and Mapping. Prepared for the U.S. Fish and Wildlife Service, Oregon Coast National Wildlife Refuge Complex, Newport, OR. 98 pp.
- Brophy, L.S. (Green Point Consulting). 2001. Siletz Estuary plant community mapping. Prepared for the Confederated Tribes of Siletz Indians, Siletz, OR. 44 pp.

Brophy, L.S. (Green Point Consulting), and R.J. Garono (Earth Design Consultants, Inc.). 2001. MidCoast Watersheds Council Sixth Field Watershed Assessment. Prepared for the MidCoast Watersheds Council, Newport, OR. 387 pp.

Brophy, L.S. (Green Point Consulting), and L. Wilson. 2000. Rockaway Beach riparian inventory and extension of Local Wetland Inventory to Urban Growth Boundary. Prepared for the City of Rockaway Beach, OR.

Brophy, L.S. (Green Point Consulting). 1999. Final Report: Yaquina and Alsea River Basins Estuarine Wetland Site Prioritization Project. Prepared for the MidCoast Watersheds Council, Newport, OR. 50 pp.

Brophy, L.S. (Green Point Consulting), and L. Wilson. 1999. Tillamook Riparian Inventory. Prepared for the City of Tillamook, OR.

### **Professional Affiliations**

Society of Wetland Scientists  
Pacific Estuarine Research Society  
Native Plant Society of Oregon