

Lakeshore habitat restoration training for professionals:
principles and practices of lake-friendly landscaping, low impact development,
water quality conservation and erosion control of low energy sites on inland Wisconsin lakes

Monday, August 28th and Tuesday, August 29th, 2017 in Madison, WI
University of Wisconsin-Madison Arboretum / 1207 Seminole Highway / Madison, WI / 53711-3726 / [southern offering - classroom session]

- OR -

Tuesday, September 5th and Wednesday, September 6th, 2017 in Tomahawk, WI
University of Wisconsin-Stevens Point Treehaven / W2540 Pickerel Creek Road / Tomahawk, WI / 54487 / [northern offering - classroom session]

Tentative Training Agenda

DAY 1 -

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| 8:30 a.m. – 9:00 a.m. | 1.0* Registration and sign-in |
| 9:00 a.m. – 9:15 a.m. | 2.0 Welcome, 2.1 training introduction, 2.2 review of training objectives, 2.3 facility logistics, and 3.0 Attendee introductions – <i>Patrick Goggin, lake specialist-UW-Extension Lakes / WLP</i> |
| 9:15 a.m. – 9:30 a.m. | 4.0 Lakeshore habitat restoration training manual and 4.1 CD-ROM resources review / discussion |
| 9:30 a.m. – 10:00 a.m. | 5.0 Lakes and their land-water connection, 5.1 characteristics and benefits of intact lakeshores, 5.2 challenges created from unsound lakeshore development, 5.3 the economics of water |
| 10:00 a.m. – 10:30 a.m. | BREAK |
| 10:30 a.m. – 11:15 a.m. | 5.4 Restoration ecology basics and getting to solutions, 6.0 Defining lakeshore habitat restoration, 6.1 project overview video, 6.2 state standards and biology technical note review, and 7.0 Discussion of landowner backgrounds and how to work effectively with your customers |
| 11:15 a.m. – 12:15 p.m. | 8.0 Designing lakeshore habitat restoration projects – steps 1-5 [includes 9.0 understanding lakeshore soil basics, 9.1 ribbon test how-to, 9.2 collecting soil samples, 9.3 county resources, and 9.4 on-line resources]
15.0 Designing lakeshore habitat restoration projects – steps 6-10 [includes 15.1 installations, 15.2 projects instructions, 15.3 construction notes, and 22.0 long-term care and maintenance suggestions and site monitoring of your lakeshore habitat restoration project] |
| 12:15 p.m. – 1:15 p.m. | LUNCH |
| 1:15 p.m. – 2:15 p.m. | Designing lakeshore habitat restoration projects – <i>small group break out hands-on exercise</i> |
| 2:15 p.m. – 3:00 p.m. | Erosion control 101: causes, factors, identification, and examples review – part 1 and erosion control practice standards and NR328 review – part 2 [includes 19.0 Erosion control basics and examples, 19.1 practices listing review, and 19.2 NR328 tool] – TBD , <i>environmental engineering specialist – Department of Agriculture, Trade and Consumer Protection</i> |
| 3:00 p.m. – 3:45 p.m. | Shoreland restoration techniques, bio-engineered projects, and monitoring – part 3 [includes 20.0 A review of ecological design tips, 20.1 low impact development techniques, 20.2 bioengineering, and 20.3 water quality conservation practices for lakeshore settings] – TBD , <i>environmental engineering specialist – Department of Agriculture, Trade and Consumer Protection</i> |
| 3:45 p.m. – 4:15 p.m. | BREAK |

4:15 p.m. – 4:30 p.m. **11.0** Lakeshore habitat restorations virtual tour – before/after examples & treatment discussion
12.0 Creating sound lakeshore habitat restoration plans – some suggested components

Adjourn and sign out

DAY 2

8:30 a.m. – 9:00 a.m. Sign-in

9:00 a.m. – 9:45 a.m. **13.0** Native plants and the trajectory of restoration, **13.1** creating species lists, and **13.2** on-line resources – *Patrick Goggin, lake specialist-UW-Extension Lakes / WLP*

9:45 a.m. – 10:15 a.m. **17.0** WDNR lake grants and a **17.1** Healthy Lakes grant
– **TBD**, lake biologist, WDNR

10:15 a.m. – 10:45 a.m. BREAK

10:45 a.m. – 11:30 a.m. **16.0** Getting in tune with local shoreland zoning resources, requirements, and permitting / **18.0** Getting in tune with Wisconsin water law and shoreland permits – part 1 – **TBD**, water resources management specialist, WDNR Division of Water, Watershed Management

11:30 a.m. – 12:00 p.m. **18.0** Getting in tune with Wisconsin water law and shoreland permits – part 2 – **TBD**, water resources management specialist, WDNR Division of Water, Watershed Management

Noon – 1:00 p.m. LUNCH

1:00 p.m. – 2:00 p.m. **10.0** A green industry point of view on lakeshore habitat restoration – **TBD**

2:00 p.m. – 2:15 p.m. **21.0** Developing a cost estimate for your project

2:15 p.m. – 2:45 p.m. BREAK

2:45 p.m. – 3:45 p.m. **14.0** DATCP cost-share funding / County LWCD role in lakeshore habitat restoration – **TBD**, county conservationist- County Land and Water Conservation Department

3:45 p.m. – 4:00 p.m. Classroom session feedback form / Final thoughts & questions / Adjourn and sign out

* = refers to numeral sequence of agenda item within the training guide passed out during the training.

DAY 3 - Optional field day - Rice Lake, WI [fall date TBD]

In cooperation with the North American Stormwater and Erosion Control Association (NASECA) Wisconsin Chapter's fall meeting and partners from the American Excelsior Company ErosionLab®

Training facilitator:

 Wisconsin Lakes Partnership
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Lake Specialist

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Workshop Co-sponsors:

Wisconsin Lakes Partnership

