



**Course ID: CESCL-101**  
**October 19-20, 2010, 8:00 A.M. to 5:30 P.M.**  
**EOS Alliance (NWETC) Headquarters**  
**650 South Orcas Street, Suite 220**  
**Seattle, WA 98108**  
**PHONE: (206) 762-1976 | FAX: (206) 762-1979**

**Instructors: Jason Zeimer; Clear Creek Systems, Inc**  
**Nathan Hardebeck; Clean Water Technologies**

**Description:** This exciting course examines the most up-to-date techniques in the management of sediment and construction sites. Students who attend can receive their Certified Erosion and Sediment Control Lead Training Certification (CESCL) from the Washington State Department of Ecology. This 2-day course is a dynamic interaction between the traditional lecture classroom style and hands-on exercises that will take place throughout. These exercises allow each student to practice choosing and correctly installing mats, blankets, check dams, bonded fiber matrix, straw, and other erosion control techniques for various site locations. Upon completion students will know how to simply and confidently comply with federal, state, and local regulatory requirements of stormwater management.



#### Course Topics:

##### **Erosion and Sedimentation Impacts**

- Examples and Case Studies

##### **Erosion and Sedimentation Processes**

- Definitions
- Types of Erosion
- Sedimentation

##### **Factors Influencing Erosion Potential**

- Soil
- Vegetation
- Topography
- Climate

##### **Regulatory Requirements**

- NPDES
- Construction Stormwater General Permit
- Local requirements and permits
- Other regulatory requirements

##### **Stormwater Pollution Prevention Plan (SWPPP)**

12 Elements of a SWPPP  
 Discuss suggested BMPs (with examples)

##### **Monitoring/Reporting/Record keeping**

Site inspections/visual monitoring  
 Water quality sampling/analysis  
 Monitoring frequency  
 Adaptive management  
 Reporting

**Intended Audience:** contractors, agencies and municipalities, engineers consultants and anyone else who desires to receive their CECSL certification with the Washington Department of Ecology.

**Upon completion of this course:** You will be given wallet-sized card that certifies completion of the course. Certification shall remain valid for three years. Re certification may be obtained by completing the 8-hour refresher course (no later than 6 months after the initial certification expires) or by taking the initial 16-hour training course again.

**Course Materials:** Attendees will receive a binder containing workshop proceedings and reference material.

**Self Reporting Continuing Education Units:** 1.6 CEU's

**Registration: \$495 /\$395\***

*(\*reduced tuition is available to employees of Native American tribes, government agencies, and nonprofits; students; and [NAEP](#), [NWAEP](#), [NEBC](#) members). You may register via the link below or by calling the Northwest Environmental Training Center at 206-762-1976. [Register Online!](#)*

**What to Bring:** Pen or pencil, coffee mug, and a water bottle (to reduce waste). Drinks and snacks will be provided each day. Lunch on your own.

**About the Instructors:**

**Jason Ziemer** - Jason is an environmental scientist whose work has focused on municipal, construction and industrial stormwater management. He holds two US patents on chitosan-based stormwater treatment technologies and served a critical role in the development of active treatment system (ATS) technologies including chitosan-enhanced sand filtration. Mr. Ziemer's work has been published in more than a dozen technical papers and national industry magazines and he has presented at several professional association conferences. Mr. Ziemer enjoys instructing education courses related to erosion control and stormwater management and is currently serving on the Board of Directors for the Northwest Environmental Business Council.

**Nathan Hardebeck** – Nathan has been in the stormwater industry since 1999. He participated in new BMP product releases into the industrial, construction and municipal markets and has been working for the past three years in the ATS industry. Nathan has been asked to participate on state and federal policy panels in order to provide input on new regulations. He participates as a presenter for stormwater related conferences and educational courses. Nathan is a published author and photographer in nationally circulated publications.

**Cancellation Policy:** *Registration fees are fully refundable up to 30 days prior to the event and 50% refundable (or 100% credit) thereafter up to 3 business days prior to the event. No refunds are issued for cancellations occurring less than 3 business days before the start day. Course registration fees and cancellation policy are subject to change without notice.*

**Disability Accommodations:** *To request disability accommodations, please contact us at [info@nwetc.org](mailto:info@nwetc.org) or (206) 762-1976 at least 30 days prior to the event.*

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Directions to:

**EOS Alliance Headquarters**  
**Home of the Northwest Environmental Training Center**

650 South Orcas Street, Suite 220  
Seattle, WA 98108

PHONE: (206) 762-1976 | FAX: (206) 762-1979

[www.nwetc.org](http://www.nwetc.org)

**Seattle-Tacoma International Airport information and transportation:**

**Sea-Tac: Metro Transit**

**Sea-Tac: Buses, Shuttles and Courtesy Vehicles**

[Seattle Metro Transit](#) | [Seattle Sound Transit](#)

**Mapquest your route to NWETC**

[{ Accommodations }](#)

**From I-5 (Northbound or Southbound):**

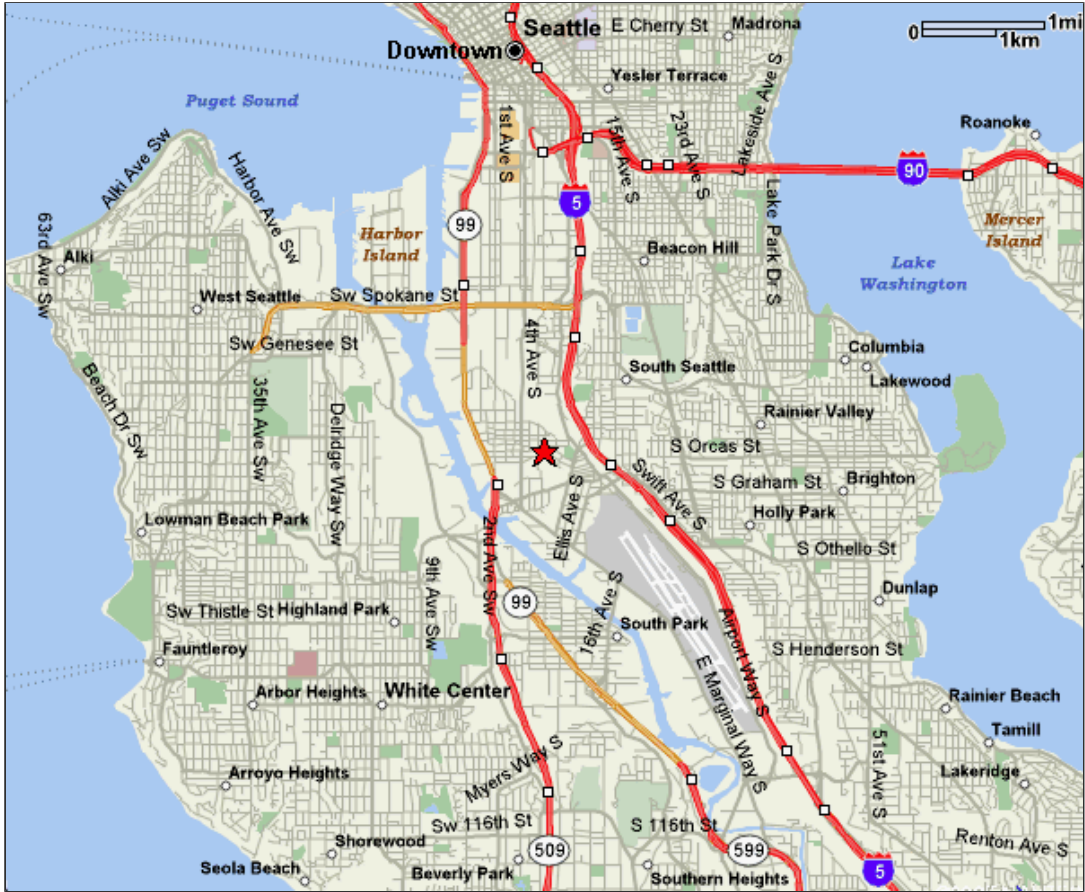
- Take the Michigan/Corson Street Exit
- Stay in right lane
- Right on Michigan Street (first light)
- Right on 6th Avenue South
- Right on Orcas Street
- Orcas Business Park is on the left next to the Post Office
- NWETC Headquarters is on the second floor at the north end of the building
- Parking is free on the street and in the triangular lot north of the building on S. Homer Street

**From 99 (Northbound or Southbound):**

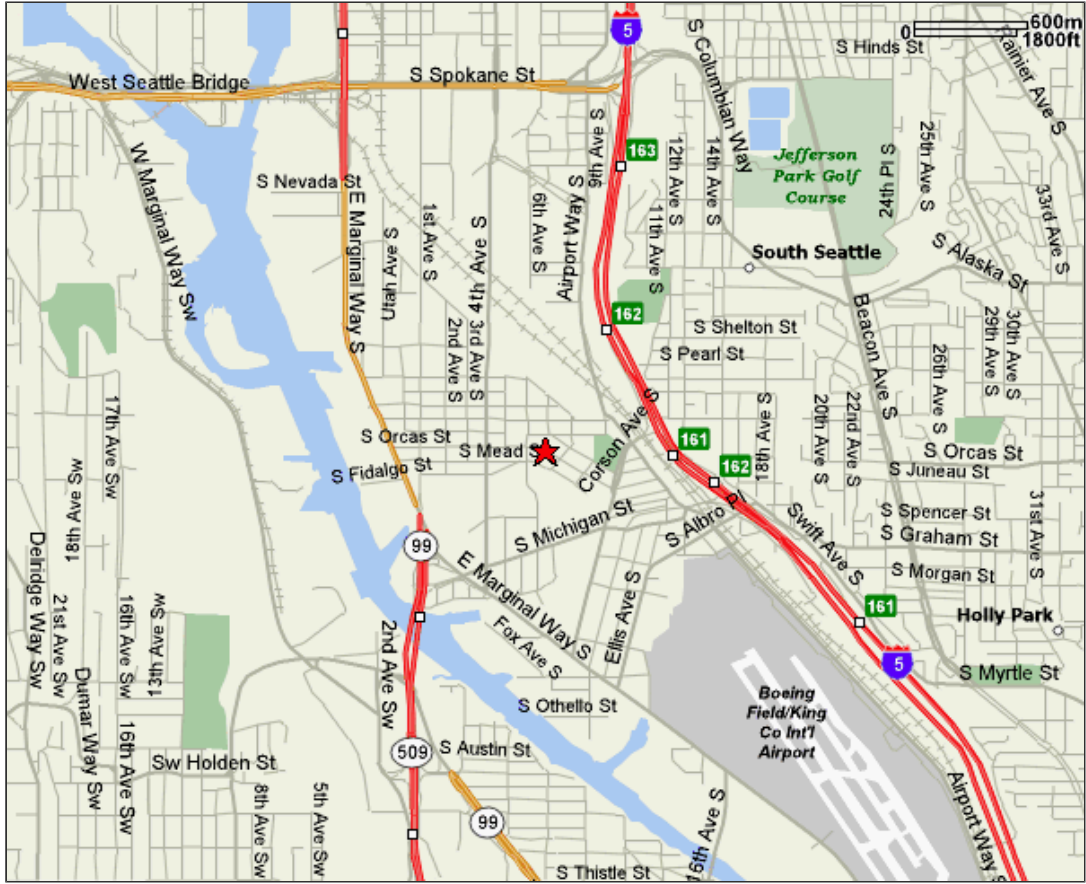
- Go east on Michigan Street
- Turn left on 4th Avenue South
- Turn right on Orcas Street
- Orcas Business Park is on the left next to the Post Office
- NWETC Headquarters is on the second floor at the north end of the building
- Parking is free on the street and in the triangular lot north of the building on S. Homer Street
- Feel free to call us if you need directions in route or have any questions about parking: (206)762-1976.

# MAPS:

## Region



# City









Accommodations near:

**EOS Alliance Headquarters-  
Home of the Northwest Environmental Training Center**

650 South Orcas Street, Suite 220  
Seattle, WA 98108  
PHONE: (206) 762-1976 | FAX: (206) 762-1979  
[www.nwetc.org](http://www.nwetc.org)

[{ Directions }](#)

<p><b>Silver Cloud Hotel Stadium</b></p> <p>1046 1st Avenue South Seattle, WA <i>2.56 mi</i></p>	<p>(206) 204-9800</p>	<p><b>The Westin Seattle</b></p> <p>1900 Fifth Avenue Seattle, WA <i>5.1 mi</i></p>	<p>(206) 728-1000</p>
<p><b>Westmark Hotels</b></p> <p>300 Elliott Ave W Seattle, WA <i>5.8 mi</i></p>	<p>(206) 281-3535</p>	<p><b>Doubletree Hotel Seattle Airport</b></p> <p>18740 International Boulevard Seattle, WA <i>10.00 mi</i></p>	<p>(206) 623-5110</p>
<p><b>Sheraton Seattle Hotel</b></p> <p>1400 6th Avenue Seattle, Washington <i>5.17</i></p>	<p>(206) 624-4844</p>	<p><b>Hotel Monaco Seattle</b></p> <p>1101 4th Avenue Seattle, WA 98101 <i>4.88 mi</i></p>	<p>(206) 621-1770</p>
<p><b>Seattle Airport Marriott</b></p> <p>3201 South 176th Street Seattle, Washington 98188 <i>9.71 mi</i></p>	<p>(206)-241-2000</p>	<p><b>The Edgewater</b></p> <p>2411 Alaskan Way Pier 67 Seattle, WA <i>4.35 mi</i></p>	<p>(206) 728-7000</p>

**[JOIN OUR MAILING LIST](#) | [REQUEST OR SUGGEST A TRAINING COURSE](#) | [OTHER PROGRAMS OF THE NW ENVIRONMENTAL EDUCATION COUNCIL](#)**

[Training Programs and Events](#) | [Business & Government Partners](#) | [Technical Resources](#) | [Financial Assistance](#) | [Other Programs](#) | [Employment & Volunteer Opportunities](#)

**To find out more about NWETC's programs send us an [email](#).**

**Northwest Environmental Training Center**

A nonprofit 501(c)(3) program of the Northwest Environmental Education Council  
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[www.nwetc.org](http://www.nwetc.org)



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## REGISTRATION FORM

Name: \_\_\_\_\_ Today's Date: \_\_\_\_\_

Agency/Organization: \_\_\_\_\_

Street Address: \_\_\_\_\_

Street Address (cont'd): \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_ Title: \_\_\_\_\_

### Certified Erosion Control Lead Training (CESCL)

\$ \_\_\_\_\_

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October 19-20, 2010, 8:30 A.M. to 5 P.M.

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**Registration: \$495 (\$395\*)**\*Reduced rates for Native American Tribes; nonprofits; government; students; and NEBC, NAEP and NWAEP members.

Payment Method: Check  PO  Credit Card ( Visa  Mastercard) Total: \$ \_\_\_\_\_

Credit Card or PO #: \_\_\_\_\_ Exp: \_\_\_\_\_

**Notes:** Please make checks payable to Northwest Environmental Training Center.

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