

COURSE ID: BIO-402

Environmental Site Restoration/Mitigation Creative Planning and Implementation



The Northwest Environmental Training Center presents:

Environmental Site Restoration / Mitigation Creative Planning and Implementation

Course ID: BIO-402 (3 days)
April 15-17, 2009, 8:30 A.M. to 5 P.M.
Hilton Garden Inn - Austin Downtown
500 North IH-35
Austin, Texas

Instructor: Larry Lodwick

Description: This course provides participants with a broad overview and specific steps used for innovative restoration and mitigation planning and implementation, applicable to the western United States.

Developing a restoration/mitigation program should address all aspects of the site's ecosystem, rather than developing plans to simply enhance a particular species or group of species. The topics covered are intended to include restoration/mitigation planning; research needs; regulatory and permit coordination; early considerations of unanticipated effects, bioengineering, best management practices (BMPs), maintenance of the mitigation, provisions to be taken during all phase of the implementation to ensure success, and how to quantify success in terms of area and ecological function.

A field trip to one or more mitigation sites will be arranged for the second part of the class session.

Course Topics:

- Realistic Restoration/Mitigation Goals
- Background Research into Historic and Expected Site Conditions
- Regulatory and Planning Issues to Address
- Considerations of unanticipated effects (erosion, mosquito populations in created wetlands, drought/flooding, outside influences)
- Water Needs of Selected Vegetation
- Restoration/Mitigation Planning
- Responsibility of Participating Parties
- Pre-Restoration/Mitigation Implementation - Measures and Considerations
- Best Management Practices
- Implementation Monitoring
- Restoration/Mitigation Materials and Methods Selection
- Maintenance Methods, Anticipated and Unanticipated
- Development of Practical Monitoring Requirements
- Performance Standards - What Can Be Realistically Expected.
- Protecting Your Investment: Measures for Long-Term Success of the Restoration/Mitigation Project

After completing this course, participants will be able to:

- Restoration/Mitigation site selection
- Regulatory Considerations
- Restoration / Mitigation Planning Considerations
- Site Conditions and Research Needs
- Requirements for Planting Plans
- Monitoring Methodologies
- Maintenance Methods
- Long-term Protection Considerations

About the Instructor: Larry Lodwick has 37 years of professional experience in a broad range of fields involving natural resource assessment and management, environmental and wetland regulations, natural resource impact assessment, mitigation plan development, and monitoring. He has worked as a natural resources management biologist for the Texas State Parks system developing and implementing plans for the restoration and preservation of park resources; as the Section 401 coordinator and wetlands specialist for the Alaska Department of Environmental Conservation; and has 18 years as a senior biologist/ecologist for consulting firms with projects in California, Oregon, and Washington state. He has conducted approximately 400 wetland delineation and prepared numerous natural resource restoration and mitigation plans for a wide diversity of environments and for plant and animal species restoration plans. Larry holds a Masters of Science degree from Baylor University in biology.

Intended Audience: Biologists, landscape architects, planners, and environmental engineers. The course will be designed for those with limited to moderate amounts of experience in natural area management, natural resource management or in environmental permitting.

Prerequisites: A basic understanding of natural resource management.

Education Level: Introductory/Intermediate

Course Materials: Each attendee will receive a binder containing a syllabus with the course topics, descriptions, and considerations for undertaking restoration/mitigation topics. The syllabus will include an extensive reference list of materials covering aspects of environmental restoration. This syllabus will be distributed at the beginning of the class.

Continuing Education Units: 2.0

What to Bring: Pen or pencil, coffee mug, and a water bottle (to reduce waste). Please wear comfortable clothes appropriate for the prevailing weather. Lunch will be on your own. There are numerous restaurants within walking distance. Drinks and snacks will be provided each day.

Registration: **\$695** (***\$595** reduced tuition is available for Native American tribes; government employees; nonprofits; students; and [NAEP](#), [NEBC](#), [NWAEP](#) members). You may register via the link below or by calling the Northwest Environmental Training Center at 206-762-1976.

Cancellation Policy: *Registration fees are fully refundable up to 30 days prior to the event and 50 percent 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.*

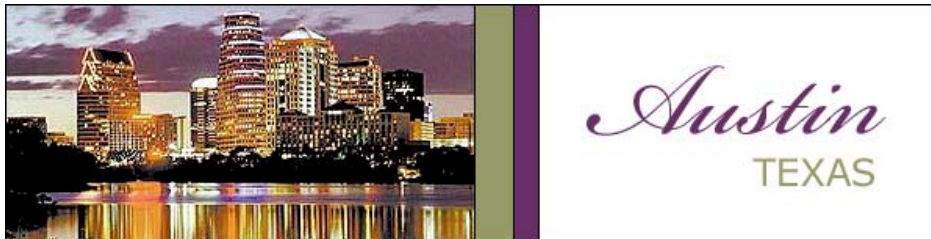
Disability Accommodations: *To request disability accommodations, please contact us at info@nwetc.org or (206) 762-1976 at least 30 days prior to the event.*

Northwest Environmental Training Center

A nonprofit 501(c)(3) program of the Northwest Environmental Education Council
650 S. Orcas Street, Suite 220, Seattle, Washington 98108

Phone: (206)762-1976, Fax: (206)762-1979

www.nwetc.org



Directions to:

Hilton Garden Inn - Austin Downtown

(Workshop Location)

500 North I H 35 (downtown), Austin, Texas 78701
(512) 480-8181, www.hiltongardeninn.com

Austin Regional Public Transit: <http://www.capmetro.org>

FROM AUSTIN-BERGSTROM INTERNATIONAL AIRPORT (AUS)

Start out going WEST on PRESIDENTIAL BLVD
Keep LEFT at the fork to continue on PRESIDENTIAL BLVD
Keep RIGHT at the fork to continue on PRESIDENTIAL BLVD
PRESIDENTIAL BLVD becomes CARDINAL LOOP
Turn LEFT onto BASTROP HW / TX-71 E
Merge onto TX-71 W
Keep RIGHT at the fork to go on E BEN WHITE BLVD / BEN WHITE BLVD E / TX-71 W
Turn SLIGHT RIGHT onto S I-35
Merge onto I-35 N / US-290 E / US-81 N
Take EXIT 234C toward 6TH-12TH STREETS
Turn SLIGHT LEFT onto I-35 N
Turn LEFT onto E 8TH STREET
Turn LEFT onto I-35 N
End at 500 North Interstate 35

FROM POINTS NORTH (via I-35 S)

From I-35 S / US-81 S
Take EXIT 234B toward 8TH-3RD STREETS
Turn SLIGHT LEFT onto I-35 N
End at 500 North Interstate 35

FROM POINTS SOUTH (via I-35 N)

From I-35 N / US-81 N
Take EXIT 234C toward 6TH-12TH STREETS
Turn SLIGHT LEFT onto I-35N
Turn LEFT onto E 8TH STREET
Turn LEFT onto I-35 N
End at 500 North Interstate 35

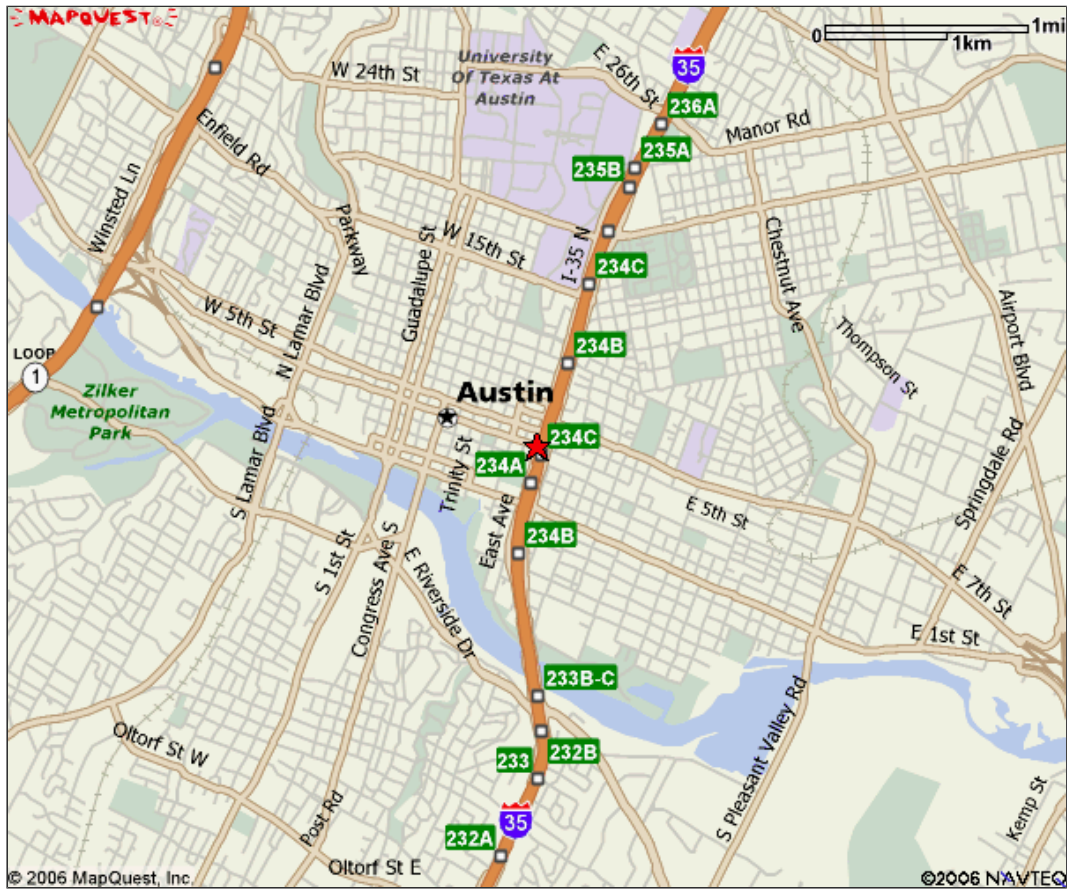
FROM POINTS WEST (via I-10 E)

From I-10 E
Merge onto US-290 E via EXIT 477 toward FREDRICKSBURG
Stay STRAIGHT to go onto US-281 S / US-290 E
Turn SLIGHT LEFT onto US-290 E
Merge onto US-290 E / TX-71 E
Merge onto I-35 N / US-290 E / US-81 N toward WACO
Take EXIT 234C toward 6TH - 12TH STREETS
Turn SLIGHT LEFT onto I-35 N
Turn LEFT onto E 8TH STREET
Turn LEFT onto I-35 N
End at 500 North Interstate 35

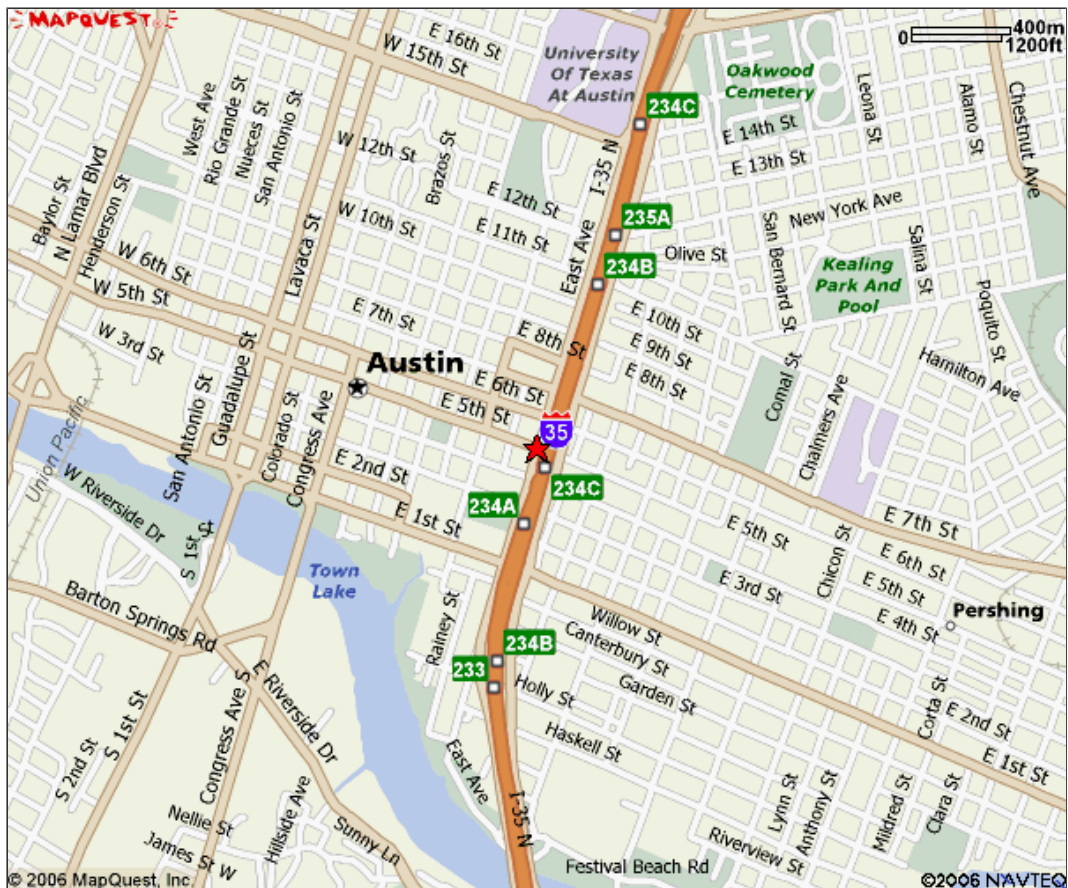
FROM POINTS EAST (via I-10 W)

From I-10 W
Merge onto TX-71 W via EXIT 695 toward LA GRANGE / AUSTIN
Keep RIGHT at the fork to go on E BEN WHITE BLVD / BEN WHITE BLVD E / TX-71 W
Turn SLIGHT RIGHT onto S I-35
Merge onto I-35 N / US-290 E / US-81 N
Take EXIT 234C toward 6TH-12TH STREETS
Turn SLIGHT LEFT onto I-35 N
Turn LEFT onto E 8TH STREET
Turn LEFT onto I-35 N
End at 500 North Interstate 35

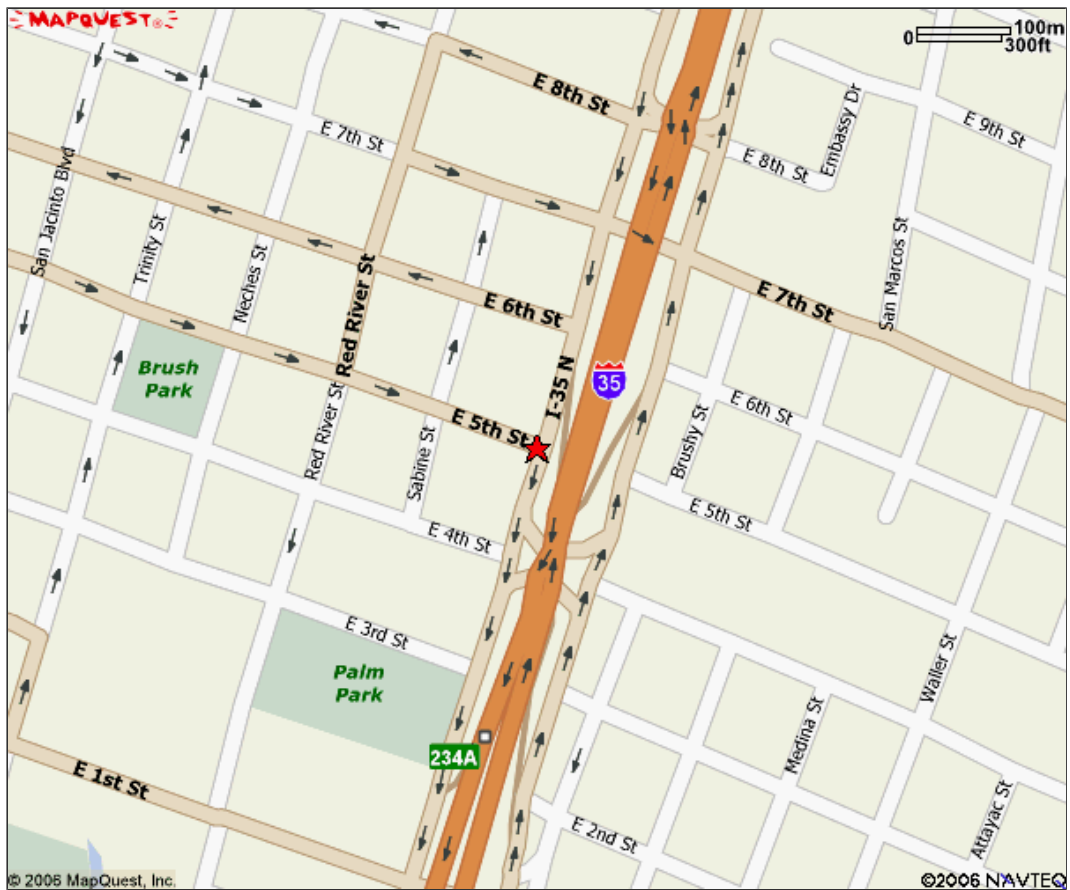
REGIONAL MAP:



CITY MAP:



STREET MAP:



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Austin, TX | ACCOMMODATIONS near the Hilton Garden Inn - Austin Downtown

Hilton Garden Inn - Austin Downtown

(Workshop Location)

500 North Interstate 35 (downtown)

Austin, Texas 78701

(512) 480-8181

www.hiltongardeninn.com

<p>Hilton Austin 500 East 4th Street Austin, TX</p> <p>www.hilton.com</p>	<p>(512) 482-8000</p>	<p>Residence Inn Austin Downtown 300 East 4th Street Austin, TX</p> <p>www.marriott.com/ausrd</p>	<p>(512) 472-5553</p>
<p>Courtyard Marriott Downtown 300 East 4th Street Austin, TX</p> <p>www.marriott.com/auscd</p>	<p>(512) 236-8008</p>	<p>Omni Austin Hotel Downtown 700 San Jacinto Blvd Austin, TX</p> <p>www.omnihotels.com</p>	<p>(512) 476-3700</p>
<p>Hampton Inn & Suites Austin 200 San Jacinto Blvd Austin, TX</p> <p>www.hamptoninn.com</p>	<p>(512) 472-1500</p>	<p>Driskill Hotel 604 Brazos Street Austin, TX</p> <p>www.driskillhotel.com</p>	<p>(512) 474-5911</p>
<p>Four Seasons Hotel Austin 98 San Jacinto Blvd Austin, TX</p> <p>www.fourseasons.com</p>	<p>(512) 478-4500</p>	<p>Intercontinental Austin 701 Congress Avenue Austin, TX</p> <p>austin.intercontinental.com</p>	<p>(512) 457-8800</p>

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NORTHWEST ENVIRONMENTAL TRAINING CENTER

650 S Orcas Street, Suite 220, Seattle, Washington 98108

Ph: (206)762-1976, Fax: (206)762-1979

www.nwetc.org

REGISTRATION FORM

Name: _____ Today's Date: _____

Agency/Organization: _____

Street Address: _____

Street Address (cont'd): _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Email: _____ Title: _____

Environmental Site Restoration / Mitigation

\$ _____

Course ID: BIO-402 (3 days)

April 15-17, 2009, 8:30 A.M. to 5:00 P.M.

Hilton Garden Inn - Austin

500 N IH-35, Austin, Texas

Registration: \$695 (*\$595)

*Reduced rates for Native American Tribes; nonprofits; government; students; and NEBC and NAEP 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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