

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)
October 1-3 , 2008, 8:30 A.M. to 5 P.M.
Casa Sirena Hotel & Marina
Channel Islands Harbor
3605 Peninsula Road
Oxnard, CA 93035

Instructor: Larry Lodwick

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



Oxnard
California

Oxnard/Camarillo, CA | ACCOMMODATIONS near the Casa Sirena Hotel & Marina

Casa Sirena Hotel & Marina

(Workshop Location)

Casa Sirena Hotel & Marina

Channel Islands Harbor

3605 Peninsula Road

Oxnard, CA 93035

(805) 389-9898

www.casasirenahotel.com/index.asp

Hampton Inn & Suites Camarillo

50 West Daily Drive
Camarillo, CA 93012

www.hamptoninn.com

(805) 389-9898

Channel Islands Inn & Suites

1001 East Channel Islands Blvd.
Oxnard, California 93033

www.channelislandsinn.com/

(805) 201-6000

Casa Sirena Hotel

Channel Islands Harbor
3605 Peninsula Road
Oxnard, CA 93035

www.casasirenahotel.com/

(800) 447-3529

Country Inn & Suites By Carlson Port Hueneme

350 East Hueneme Road ,
Port Hueneme CA 93041

www.countryinns.com/porthuenemeca

(888) 201-1746

Courtyard Oxnard Ventura

600 East Esplanade Drive
Oxnard, California 93036

www.marriott.com

(805) 988-3600

Hilton Garden Inn Oxnard/Camarillo

2000 Solar Drive,
Oxnard, CA 93036

www.hiltongardeninn.hilton.com

(805) 983-8600

Residence Inn Oxnard River Ridge

2101 West Vineyard Ave.
Oxnard, California 93036

www.marriott.com

(805) 278-2200

Embassy Suites Hotel Mandalay Beach Resort

2101 Mandalay Beach Rd
Oxnard, California 93035

www.embassysuites1.hilton.com

(805) 984-2500

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Oxnard
California

Directions to:

Casa Sirena Hotel & Marina

Casa Sirena Hotel & Marina
Channel Islands Harbor
3605 Peninsula Road
Oxnard, CA 93035

<http://www.casasirenahotel.com/index.asp>

FROM LOS ANGELES INTERNATIONAL AIRPORT (LAX)

1. Head WEST on W Century Blvd toward Vicksburg Ave.
2. Turn LEFT at S Sepulveda Blvd.
3. Take the ramp onto I-105 E.
4. Take the exit onto US-101 N toward Ventura
5. Take the Victoria Ave. exit toward Channel Isl Harbor
6. Turn LEFT at S Victoria Ave.
7. Turn RIGHT at W Channel Islands Blvd.
8. Turn LEFT at Peninsula Rd.

FROM POINTS EAST (Bakersfield)

1. Merge onto CA-99 S.
2. Merge onto I-5 S.
3. Slight RIGHT at I-405 S/San Diego Fwy.
4. Take the exit onto US-101 N toward Ventura.
5. Take exit 68 for Seaward Ave.
6. Keep LEFT at the fork, follow signs for Harbor/Beaches/Fairgrounds
7. Turn LEFT at S Seaward Ave.
8. Turn LEFT at E Harbor Blvd.
9. Turn LEFT at W Channel Islands Blvd.
10. Turn RIGHT at Peninsula Rd.

FROM POINTS NORTH (US-101 S)

1. Take US-101 S.
2. Take exit 68 toward Seaward Ave.
3. Keep LEFT at the fork, follow signs for Harbor/Beaches/Fairgrounds
4. Turn LEFT at S Seaward Ave.
5. Turn LEFT at E Harbor Blvd.
6. Turn LEFT at W Channel Islands Blvd.
7. Turn RIGHT at Peninsula Rd.

FROM POINTS SOUTH (via US-101 N)

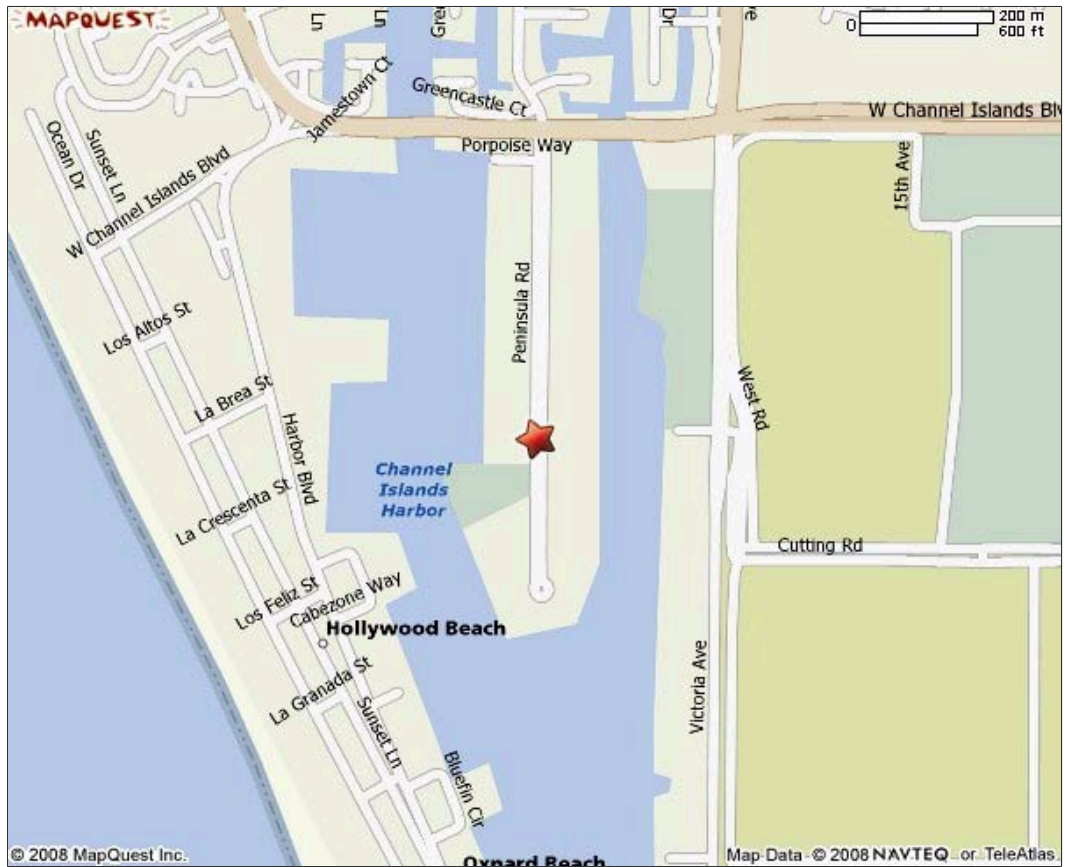
1. Merge onto US-101 N.
2. Take the Victoria Ave. exit toward Channel Isl Harbor
3. Turn LEFT at S Victoria Ave.
4. Turn RIGHT at W Channel Islands Blvd.
5. Turn LEFT at Peninsula Rd.

Map your own route using [MapQuest](#) or [Google Maps](#).

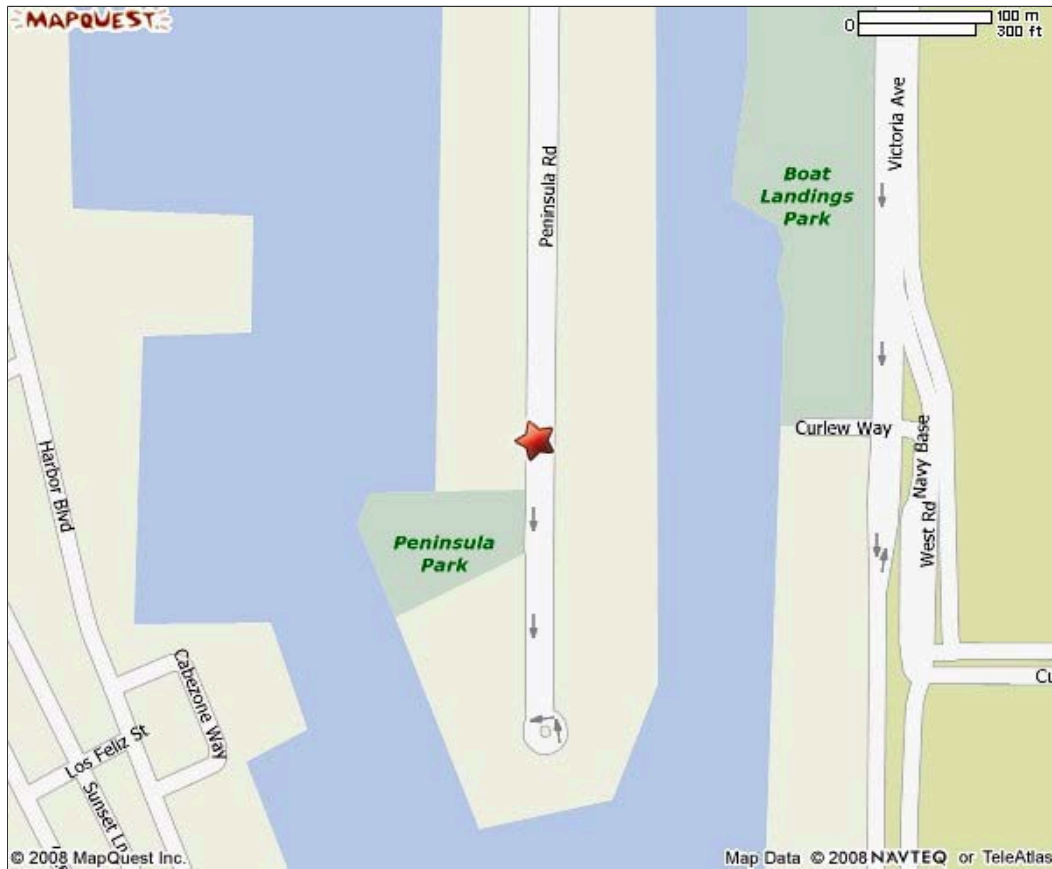
REGIONAL MAP:



CITY MAP:



STREET MAP:



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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

\$ _____

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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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