

CURRICULUM VITAE

JOHN F. O'LEARY

October 2010

BIOGRAPHICAL DATA

Address: Department of Geography
San Diego State University
San Diego, CA 92182-0381
(619) 594-5511/FAX (619) 594-4938
e-mail: oleary@mail.sdsu.edu

EDUCATION

- Ph.D. 1984, in Geography from the University of California, Los Angeles, Supervisor: J.D. Sauer. Dissertation title: '*Environmental Factors Influencing Postburn Vegetation in a Southern California Shrubland.*' Fields of specialization are biogeography, physical geography. Minor field: Biology.
- M.A. 1976, University of California, Los Angeles. Geography major.
- A.B. (Honors) 1971, University of California, Riverside. Geography major.

PROFESSIONAL EXPERIENCE

- 1995-2010 Professor, Department of Geography, San Diego State University.
- 2004-2007 Chair, Department of Geography, San Diego State University
- 1989-95 Associate Professor, Department of Geography, San Diego State University.
- 1987-89 Assistant Professor, Department of Geography, San Diego State University.
- 1985-87 Lecturer, Department of Geography, San Diego State University.
- 1984-85 Environmental Coordinator, U.S. Army Corps of Engineers, Los Angeles District.
- 1982-85 Lecturer, Department of Geography, California State University, Northridge.
- 1977-82 Research Associate, Department of Geography, UCLA.
- 1976-79 Teaching Associate, Department of Geography, UCLA.
- 1976 Instructor, Department of Earth Sciences, East Los Angeles College.
- 1975 Research Assistant, School of Architecture and Urban Planning, UCLA.

ACADEMIC AWARDS AND HONORS

- 2008 -Phi Beta Kappa Honor Society, Honorary Member, SDSU Chapter
- 2002-03 -SDSU Senate Excellence in Teaching Award
- 1997 -Outstanding Faculty Mentor Award, SDSU
- 1994 -Research, Scholarship, and Creative Activity Award: Summer Fellowship, SDSU
- 1993 -Distinguished Teaching Achievement Award, National Council for Geographic Education
- 1993 -Research, Scholarship, and Creative Activity Award: Semester Leave, SDSU
- 1990 -Meritorious Performance and Professional Promise Award, SDSU
- 1989 -Campus-wide Timeos Award for Outstanding Teaching and Research by an SDSU Assistant Professor
- 1987 -Meritorious Performance and Professional Promise Award, SDSU
- 1986 -AAG Nystrom Dissertation Award: Second Prize
- 1980 -Sigma Xi Scientific Honor Society, Full Member, UCLA
- 1971 -A.B. with Honors

COURSES TAUGHT

San Diego State University, Department of Geography: Undergraduate courses: Honors Physical Geography; Principles of Physical Geography; Geography of Natural Vegetation; Mapping and Analysis of Vegetation; Regional Climatology; Field Geography. Graduate seminars: Teaching of College Geography (co-taught); Environmental Impact Assessment; Human Impacts Upon Mediterranean-type Ecosystems.

California State University, Northridge, Department of Geography: Undergraduate courses: Introduction to Weather; The Physical Environment.

East Los Angeles College, Department of Earth Sciences: Introduction to Earth Sciences.

THESIS MEMBERSHIPS (C = completed; I = in progress; NC = not completed)

Doctoral Degree. Chair (2) -- Michael Wells (C), Madhura Niphadkar (NC), Outside Member (1) Robert Taylor (UCSB), (C).

THESIS MEMBERSHIPS (continued)

Master's Degree. Chair (10) -- Scott Steppan (C), Ellen Anderson (C), Scott Fleury (C), Michael Wells (C), Sharilyn Norton (C), Darren Smith (C), Laurie Williams (C), Charles Kearns (NC), Carrie Munill (NC), Doug Wylie (I).

Second Memberships (26) -- Lauren Hall (C), Christine Keller (C), Jeffrey Schultz (C), Terri Fenner (C), Curtis Gray (C), Mary Henry (C), Laura Edgeman (C), Ross Martin (C), Wendy Barto (C), Kevin Contreras (C), Pauline Longmire (C), Keith Greer (C), Elizabeth Witztum (C), Heidi Hudak (C), Charlotte Coulter (C), Seth Peterson (C – fourth member), Scott Tiegs (C), Jennifer Williams (C), Betsy Miller (C), Ed Woch (C), Yuki Hamada (C – fourth member), Caitlin Chason (C), Jacob Morton (I), Ivy Bartley (C), Richard Stolpe (C), Tim Tidwell (I) Jennifer Vaughan (C).

Third Memberships (44 - all Biology) -- George Vourlitas (C), Joseph Cannon (C), Dawn Lawson (C), Wendy Rehlander (C), Nathan Kuhn (C), Cathlyn Davis (C), Viviane Marquez (C), Scott Eliason (C), Lori Eggert (C), Jeane Putinier (C), Keith Sockman (C), Robin Deeley (C), Doug Allen (C), Jason Giesow (C), John Lovio (C), Jane Rombouts (C), Shana Dodd (C), Yrma Cruz Alonso (C), Georgeanne Kerr (C), Mary Dellavalle (C),), Zachary Principe (C), Adrienne Marriott (C), Scott McMillan (NC), Jeanne Burch (NC), Kim Marsden (NC), Jennifer Campbell (C), David Kisner (C), Jennifer Duggan (C), Cheryl Shaffer Brehme (C), Robin Silverstein (C), Genie Fleming (C), Mark Mendelsohn (C), Robert Lauri (C), Adam Leland (C), Heather Karnes (C), Francy El Souki (C), Lisa Markovchick-Nicholls (C), Michael Anguiano (C), Matt Guilliams (C), Erin Bergman (C), Maureen McCormack (C), Kristin Hasenstab (C), Alissa Brown (I), Krystal Tronboll (I).

PROFESSIONAL ACTIVITIESAdvisory Positions Held

- | | |
|---------|--|
| 2008 | -Crestridge Ecological Reserve Planning Committee |
| 2002 | -Member, Workshop Committee for the revision of the <i>Manual of California Vegetation</i> , California Department of Fish and Game. |
| 1993-94 | -Member, Planning Committee for the Shipley Southwestern Riverside County Multi-Species Reserve, Metropolitan Water District. |
| 1992 | -Member, Preserve Design Task Force for Multiple Species Conservation Program, City of San Diego (Clean Water Program). |
| 1991-93 | -Member, Scientific Review Panel for Natural Community Conservation Planning of Coastal Sage Scrub. The Resources Agency of California, Department of Fish & Game. |

1991-92 -Member, Vegetation/Habitat Mapping Subcommittee, San Diego Association of Governments (SANDAG).

Departmental Service

2004-2007 -Department Chair

2009-2011 -Policy Advisory Committee (Chair 1999-2001, 1995-96, 2009-2010)
1999-2001
1994-96

2009-2011 -Personnel Committee (Chair 2002-2003, 2010-2011)
2007-2008
1998-2003
1995-96
1989-91

2007-2011 -Curriculum Committee (Chair 2008-2011)
1992-96
1989-91

2003-2004 -Hiring Committee (Chair 2003-2004, 1998-1999)
1996-99
1988-89

2001-2004 -M.A. Advising Committee

2001-2003 -Undergraduate Advising Committee
1999-2000

1987-99 -Faculty Advisor for Geography Club

2002-2011 -Coordinator of Physical Geography Labs
1997-2001
1987-91

1987-88 -Budget Committee

1999-2003 -Speakers and Public Relations Committee
1996-98
1990-93
1986-88

2008-2009 -Internal Resources Committee
1993-94
1985-87

2007-2011 -Scholarships and Awards Committee (Chair, spring 2010)

Collegiate Service

2008-2009 -CAL Personnel Committee
1996-98

1999-2000 -Biology Department, Plant Ecology Search Committee
1996-97 -Biology Department, Conservation Biology Search Committee

1990 -Research and Professional Leaves Committee (substitute member)

1988-89 -Film and Audio-Visual Committee

University Service

2009 Selection Committee, Phi Beta Kappa National Honor Society, SDSU Chapter

Service to Other Universities

2010 -Provided an external review of a faculty member considered for promotion
(Department of Geography, University of Oklahoma)

2010 -Provided an external review of a faculty member considered for promotion
(Department of Geography, University of Northern Illinois)

2004 -Provided an external review of a faculty member considered for promotion
(Department of Geography, University of Colorado)

2001 -Provided an external evaluation of an adjunct faculty applicant (Department of
Biology, UCLA)

2000 -Provided an external, third-year review of a faculty member (Department of
Geography, University of Utah)

American Institute of Biological Sciences (AIBS) Service

1995 -Organized and led a day -long field trip on the natural vegetation of San Diego
County as part of the AIBS meetings in San Diego.

Association of American Geographers (AAG) Service

1992 -Organized, wrote a field trip guide, and led a day-long field trip on the natural
vegetation of San Diego County as part of the AAG meetings San in San Diego.

1991-92 -AAG Local Arrangements Committee

1981 -Organized, wrote a field trip guide, and led a day-long field trip on the natural vegetation of the Santa Monica Mountains as part of the AAG meetings in Los Angeles.

Association of Pacific Coast Geographers (APCG) Service

2007-2009 -APCG Local Arrangements Committee

2009 -Organized and led a day-long field trip as part of the APCD meetings in San Diego

U.S. Regional Association of the International Association for Landscape Ecology

2006 - Local Arrangements Committee, U.S. Regional Association of the International Association for Landscape Ecology

2006 -Organized, wrote a field trip guide, and led a day-long field trip on the natural vegetation of San Diego County as part of the US-IALE meetings in San Diego.

Research Grant Reviews

2001 -National Science Foundation (BCS-0137481)

1988 -National Science Foundation (SES-8721494)

Manuscript Reviews for Journals

2010 -*Plant Ecology*

2008 -*Geography Compass*

2007 -*Manual of California Vegetation*

2006 -*International Journal of Wildland Fire*

2005 -*The Southwestern Naturalist*

2003 -*The Professional Geographer; Madroño*

2001 -*Landscape Ecology; Environmental Management*

1997 -*Hydrobiologica*; Chapter Review for a Symposium Proceedings

1995 -*Bulletin of the Southern California Academy of Sciences; Fremontia*

1994 -Chapter Review for a Symposium Proceedings

Manuscript Reviews for Journals (cont.)

- 1993 -*Journal of Vegetation Science; The Natural Areas Journal*
- 1992 -*Madroño*
- 1991 -*Ecology; Annals of the Association of American Geographers*
- 1982 -*The Southwestern Naturalist*

GRANTS AND CONTRACTS HELD (Extramural)

- 2010-2014 -Co-Investigator. U.S. Forest Service. Airborne remote sensing to enable hazardous fuels reduction, forest health protection, rehabilitation and hazard mitigation activities on Federal of Southern California. \$459,380. With D. Stow (PI).
- 2007-2009 -Principal Investigator. U.S. Navy. Long-Term Ecosystem Monitoring – Vegetation Component for Marine Air Corps Miramar, San Diego, CA. \$131,301.
- 2001-2002 -Co-Principal Investigator. Calif. Fish & Game. Biological Inventory of Rancho Jamul Ecological Reserve, San Diego, California. \$59,991. With R. Fisher (PI).
- 1999-2003 -Co-Investigator. NASA Office of Earth Science. Regional Change Monitoring of Habitat Reserve Systems with Very High Resolution Remotely Sensed Data. \$570,000. With D. Stow (PI).
- 1999-2001 -Co-Investigator. Calif. Dept. Fish & Game (subcontract to City of San Diego). Application of Digital Imaging Technologies for Monitoring and Managing MSCP/NCCP Reserves. \$141,300. With D. Stow (PI).
- 1998-2003 -Principal Investigator. U.S. Navy, The Design and Implementation of a Long-Term Ecosystem Trend Monitoring Program for Marine Corps Air Station Miramar, San Diego, CA. \$149,200.
- 1998-2001 -Principal Investigator. U.S. Navy, Vegetation and Land Cover Mapping at Marine Air Corps Miramar, San Diego, CA. \$91,263.
- 1998 -Co-Investigator. NASA Affiliated Research Program. Use of High Spatial Resolution Multispectral Data to More Efficiently Generate Detailed Vegetation GIS Layers. \$75,400. With D. Stow (PI).
- 1997 -Co-Investigator. Electrical Power Research Institute. An Assessment of the Potential of Geo-spatial Technologies for Monitoring Shrubland Habitats in Southern California. \$110,000. With E. Alamanza and D. Stow (Co-PIs).

GRANTS AND CONTRACTS HELD (Extramural) (continued)

- 1996 -National Research Council. Travel Grant, XXVIII Congress of the International Geographical Union, The Hague. \$750. (declined).
- 1995-1998 -Co-Principal Investigator. U.S. Fish & Wildlife Service. Postfire Ecological Studies: Laguna, California, and Guajita Fires in Orange, Riverside, and San Diego Counties, California. \$20,000. With Robin Wills (Co-PI).
- 1995-1997 -Co-Principal Investigator. U.S. Navy, Development of an Integrated GIS to Enhance the Management of OLF, Imperial Beach, CA. \$155,000. With Richard Wright (Co-PI).
- 1994-1996 -Co-Investigator. National Oceanic and Atmospheric Administration. Tijuana River Watershed GIS Project. \$294,880. With R.D. Wright (PI).
- 1994-1995 -Co-Principal Investigator. Metropolitan Water District. An Analysis of Postburn Patterns of Diversity, Reproduction, and Resilience in Californian Coastal Sage Scrub. \$15,000. With Robin Wills (Co-PI).
- 1993-2000 -Co-Principal Investigator. U.S. Navy, NAS Miramar (Natural Resources Office). California Gnatcatcher Population Estimation, Habitat Evaluation, and Dispersal Study. \$542,069. With G. Cox and D. Hunsaker (Co-PI).
- 1991-1994 -Principal Investigator. U.S. Navy, NAS Miramar (Natural Resources Office). Land and Condition Trend Analysis. \$200,000.
- 1991-1993 -Co-Principal Investigator. The Resources Agency of California, Department of Fish & Game. Natural Community Conservation Plan for Coastal Sage Scrub. \$181,000. With D. Murphy, P. Brussard, M. Gilpin, & R. Noss.
- 1992 -International Association for Landscape Ecology. Travel Grant, International Symposium on the Future of Mediterranean Landscapes, Montecatini, Italy. \$1,800.
- 1991-1993 -Co-Investigator. City of San Diego (Clean Water Program). Co-development of a Multi-species Conservation Plan. \$113,218. With R. Wright (PI).
- 1989-1990 -Co-Investigator. California Department of Parks and Recreation. Creation of a vegetation map and development of a GIS as a management tool for Crystal Cove State Park. \$20,010. With R.D. Wright (PI).
- 1989 -U.S. Navy (Natural Resources Division). Cooperative Research Agreement for vegetation recovery study on San Clemente Island, CA.
- 1988 -National Research Council. Travel Grant, XXVI Congress of the International Geographical Union, Sydney. \$1,000.

GRANTS AND CONTRACTS HELD (Extramural) (continued)

1986 -AAG Research Grant Recipient (with Jane Thorngren). \$500.

PROFESSIONAL AFFILIATIONS

Association of American Geographers
Phi Beta Kappa National Honor Society
Society of Sigma Xi
California Botanical Society

PUBLICATIONS**Refereed Book Chapters**

Wright, R.D., J.F. O'Leary, and D.A. Stow. 1996. The U.S. - Mexico Border GIS: The Tijuana River Watershed Project. In: S. Morain & S. Lopez-Baros (eds.), *Raster Imagery in Geographic Information Systems*. p. 322-328. Onward Press, Santa Fe, NM.

O'Leary, J. F., 1995. Potential impacts of emergency seedling on cover and diversity patterns of Californian shrubland communities. In: J. E. Keeley and T. Scott (eds.), *Brushfires in California Wildlands: Ecology and Resource Management*. p.141-148. Int. Assoc. of Wildland Fire, Fairfield, WA.

Malanson, G. P. and J. F. O'Leary, 1995. The coastal sage scrub-chaparral boundary and response to global climatic change. In: J. M. Moreno and W. C. Oechel (eds.), *Global Change and Mediterranean-type Ecosystems*. Ecological Studies 117. Springer-Verlag, New York. p. 203-224.

O'Leary, J.F., 1990. Californian coastal sage scrub: General characteristics and considerations for biological conservation. In: A.A. Schoenherr, ed., *Endangered Plant Communities of Southern California*. Proceedings of the 15th Annual Symposium, Southern California Botanists, Special Publication No. 3, p. 24-41.

Westman, W.E., O'Leary, J.F. and G.P. Malanson, 1981. The effects of fire intensity, aspect and substrate on post-fire growth of California coastal sage scrub. In: N.S. Margaris and H.H. Mooney, eds., *Components of Productivity of Mediterranean Regions -- Basic and Applied Aspects*. Tasks for Vegetation Science, H. Leith, general editor. Junk, The Hague. p. 151-179.

Book Reviews

O'Leary, J.F. 1987. Review of Dell, B., A.J.M. Hopkins, and B.B. Lamont (eds.), 1986. Resilience in Mediterranean-type ecosystems. Tasks for Vegetation Science 16. *Ecology* 68:2067-2068.

Refereed Journal Articles

- Schmalbach, H.L., J. Franklin, and J.F. O'Leary. 2007. Patterns of post-fire regeneration in a southern California mixed chaparral community. *Madroño* 54:1-12.
- Tiegs, S.D., O'Leary, J.F., Pohl, M.M., and C.L. Munill. 2005. Flood disturbance and riparian species diversity on the Colorado River Delta. *Biodiversity and Conservation*. 14:1175-1194.
- Wells, M.L., O'Leary, J.F., Franklin J., Michaelsen, J., and D. McKinsey. 2004. Variations in a regional fire regime related to vegetation type in San Diego County, California. *Landscape Ecology*. 19:139-152.
- Stow, D., Coulter, L., Johnson, A., Peterson, A., and J. O'Leary. 2004. Monitoring detailed land-cover changes in shrubland habitat reserves using multi-temporal IKONOS data. *Geocartico International*. 19:95-102.
- Franklin, J., A.S. Syphard, D.J. Mladenoff, J.S. He, D.K. Simons, R.P. Martin, D. Deutschman, and J.F. O'Leary. 2001. Simulating the effects of different fire regimes on plant functional groups in Southern California. *Ecological Modelling*. 142:261-283.
- Coulter, L., D. Stow, A. Hope, J. O'Leary, D. Turner, P. Longmire, S. Peterson, and J Kaiser. 2000. Comparison of High Spatial Resolution Imagery for Efficient Generation of GIS Vegetation Layers. *Photogrammetric Engineering and Remote Sensing*. 6:1329-1336.
- Fleury, S., Mock, P.J., and J.F. O'Leary, 1998. Is the California Gnatcatcher a good umbrella species? *Western Birds*. 29:453-467.
- O'Leary, J.F., 1995. Coastal sage scrub: threats and current status. *Fremontia*. 23:27-31.
- O'Leary, J.F., DeSimone, S., Murphy, D., Brussard, P., Gilpin, M. and R. Noss. 1994. Bibliographies on coastal sage scrub and related malacophyllous shrublands of other Mediterranean-type climates. *California Wildlife Conservation Bulletin* 10:1-51.
- O'Leary, J.F., 1993. Towards greater uniformity of species diversity studies in Mediterranean-type ecosystems. *Landscape and Urban Planning*. 24:185-190.
- Rundel, P.W., J.F. O'Leary, and G.P. Malanson, 1993. Obituary - Walter Emil Westman (1945 - 1991). *Madroño*. 40:279-284.
- O'Leary, J.F., 1990. Postfire diversity patterns in two subassociations of Californian coastal sage scrub. *Journal of Vegetation Science*. 1:173-180.

Refereed Journal Articles (continued)

O'Leary, J.F., 1988. Habitat differentiation between postburn herbs in Californian chaparral and coastal sage scrub. *American Midland Naturalist*, 120:41-49.

O'Leary, J.F. and W.E. Westman, 1988. Regional disturbance effects on herb succession patterns in coastal sage scrub. *Journal of Biogeography*. 15:775-786.

Westman, W.E. and J.F. O'Leary, 1986. Measures of resilience: the response of coastal sage scrub to fire. *Vegetatio*, 65:179-189.

Malanson, G.P. and J.F. O'Leary, 1985. Effects of fire and habitat on post-fire regeneration in Mediterranean-type ecosystems: *Ceanothus spinosus* chaparral and Californian coastal sage scrub. *Oecologia Plantarum*, 6 (20):169-181.

O'Leary, J.F., 1982. Habitat preferences of *Lupinus* (Fabaceae) in the western Transverse Ranges of southern California. *The Southwestern Naturalist*, 27 (4):369-379.

Malanson, G.P. and J.F. O'Leary, 1982. Post-fire regeneration strategies of Californian coastal sage shrubs. *Oecologia*, 53:355-358.

O'Leary, J.F. and R.A. Minnich, 1981. Post-fire recovery of creosote bush scrub vegetation in the western Colorado Desert. *Madroño*, 28:61-66.

Manuscripts in Review/Preparation

O'Leary, J.F. and W.R. Bredemeyer. 2010. Post-fire Recovery of two riparian ecosystems in southern California, USA. Revised and resubmitted (10/4/10) to *Plant Ecology*.

O'Leary, J.F. and W.R. Bredemeyer. 2010. Postfire Recovery of southern arroyo willow riparian forest and southern willow scrub in San Diego County, California, USA. Submitted (5/12/10) to *The Southwestern Naturalist*.

Chaison, C.L., Stow, D.A., O'Leary, J.F., and J. Franklin. 2010. Examining the influence of short-interval fire occurrence on post-fire recovery of chamise chaparral. Submitted (8/17/10) to the *International Journal of Wildland Fire*.

O'Leary, J.F. and W.R. Bredemeyer. 2010. Influence of wildfire on plant diversity patterns in two riparian ecosystems in southern California, USA. To be submitted (Nov. 2010) to *Biodiversity and Conservation*.

Wells, M.L. and J.F. O'Leary. 2010. The resilience of *Pinus coulteri* to human-caused variation in fire regimes. To be submitted to the *Journal of Vegetation Science*.

O'Leary, J.F., Smith, D., Stow, D., Hope A., and Wright, R. 2010. An integrated approach to large-scale vegetation mapping. To be submitted to *Applied Vegetation Science*.

Non-Refereed Publications

- Bohr, G.S. and J.F. O'Leary. 2010. Physical Geography 101 Laboratory Manual. 105 pgs. Montezuma Publishing, San Diego State University.
- O'Leary, J.F. 2005. Vegetation of the Tijuana River Watershed. *In: R.D. Wright & R. Vela (eds.), Tijuana River Watershed Atlas*. P. 14-15. San Diego State University Press, Institute for Regional Studies of the Californias. San Diego, CA. 38 pp.
- O'Leary, J.F. 2005. Vegetation: Major Communities. *In: P. Ganster & R. Wright (eds.), Tijuana River Watershed Atlas*. p. 14-16. San Diego State University Press, Institute for Regional Studies of the Californias. San Diego, CA. 37 pp.
- O'Leary, J.F. 2000. Map 12 (and text) – Vegetation and Land Cover. *In: P. Ganster & R. Wright (eds.), San Diego – Tijuana International Border Area Planning Atlas*. P. 37-38. San Diego State University Press, Institute for Regional Studies of the Californias. San Diego, CA. 58 pp.
- O'Leary, J.F., 1997. Coastal Sage Scrub. *In: P. Faber (ed.) California's Wild Gardens*. p. 182-183. California Native Plant Society. Sacramento, CA.
- O'Leary, J.F., A.S. Hope, and R.D. Wright. 1995. An integrated approach to large-scale vegetation mapping. *In: Proceedings of the Regional Conference of the International Geographical Union, Environment and Quality of Life in Central Europe: Problems of Transition (on CD ROM)*. 11p.
- O'Leary, J.F., 1992. Native vegetation of San Diego County. Unpublished field trip guide produced for the 1992 AAG meetings in San Diego, CA. 15 pp.
- O'Leary, J.F., 1982. Post-burn vegetation along environmental gradients in a southern California shrubland. *In: Proc. Int'l. Symp. on Dynamics and Management of Mediterranean-type Ecosystems, San Diego State University*. U.S.D.A. Forest Service, Pacific Southwest Forest and Range Expt. Station, p. 623.
- O'Leary, J.F., 1981. Native vegetation of the Santa Monica Mountains. *In: R.F. Logan, ed., Association of American Geographers Field Trip Guide - 1981*, Los Angeles, pp. 95-98.
- Turney, T. H., Mercier, J.M. and J.F. O'Leary, 1970. *The Reche Canyon Luiseno Site: Riverside County, California*. Occasional Papers in Archeology: Department of Education, University of Redlands, Redlands, CA. 33 pp.

Technical Reports

- O'Leary, J.F. 2009. The Vegetation Component of a Long-Term Ecosystem Trend Monitoring Program for Marine Corps Air Station Miramar, San Diego, California. Final Report produced for Marine Corps Air Station Miramar, Environmental Management Department, Natural Resources Division, San Diego, CA. Produced by the Center for Earth Systems Analysis and Research, Department of Geography, San Diego State University. 441 p.
- O'Leary, J.F. 2009. The Vegetation Component of a Long-Term Ecosystem Trend Monitoring Program for Marine Corps Air Station Miramar, San Diego, California. Methods Manual produced for Marine Corps Air Station Miramar, Environmental Management Department, Natural Resources Division, San Diego, CA. Produced by the Center for Earth Systems Analysis and Research, Department of Geography, San Diego State University. 35 p.
- O'Leary, J.F. 2003. The Vegetation Component of a Long-Term Ecosystem Trend Monitoring Program for Marine Corps Air Station Miramar, San Diego, California. Final Report produced for Marine Corps Air Station Miramar, Environmental Management Department and Southwest Division, Naval Facilities Engineering Command, San Diego, CA. Produced by the Center for Earth Systems Analysis and Research, Department of Geography, San Diego State University. 314 p.
- Stow, D., Coulter, L., Franklin, J., Hope, A., O'Leary, A. Johnson, and A. Wall. 2003. Regional Change Monitoring of Habitat Reserve Systems with Very High Resolution Remotely Sensed Data. Final Report produced for NASA Earth Sciences Applications Directorate, Food and Fiber Applications of Remote Sensing Program. 248 p.
- O'Leary, J.F. 2002. Vegetation and Land Cover Mapping at Rancho Jamul Ecological Reserve, San Diego, California. Final Report produced for the California Department of Fish and Game. 28 p.
- O'Leary, J.F. and D. Stow. 2002. Vegetation and Land Cover Mapping on Marine Corps Air Station Miramar, San Diego, California. Final Report produced for Marine Corps Air Station Miramar, Environmental Management Department and Southwest Division, Naval Facilities Engineering Command, San Diego, CA. Produced by the Center for Earth Systems Analysis and Research, Department of Geography, San Diego State University. 65 p.
- Stow, D., J. O'Leary, L. Coulter, A. Hope, J. Franklin, A. Johnson, P. Longmire, S. Redlin, A. Wall, E. Witzim, and E. Almanza. 2001. Application of Digital Imaging Technologies for Monitoring and Managing MSCP/NCCP Reserves. Final Report prepared for the City of San Diego and Calif. Fish & Game. 35 p.

Technical Reports (continued)

- Hunsaker II, D., J. O'Leary, and F.T. Awbrey. 2000. Habitat Evaluation, Home Range Determination and Dispersal Study of the California Gnatcatcher (*Polioptila californica californica*) on Marine Corps Air Station Miramar. Final Report prepared for the U.S. Navy, Southwest Division Naval Facilities Engineering Command, Resources Management Branch, by the Departments of Biology and Geography, San Diego State University. 241 p.
- Atchison, P., D. Turner, D. King, W. Barto, D. Stow, J. O'Leary, A. Hope, L. Coulter, P. Longmire, S. Peterson and J. Kaiser. 1998. Use of High spatial Resolution Multispectral Data to More Efficiently Generate Detailed Vegetation GIS Layers: A Project of the NASA Affiliated Research Center at SDSU, Ogden Energy and Environmental Services, Inc. Partnership.
- Stow, D.A., Almanza, E., Franklin, J., Hope, A.S., O'Leary, J.F., Wright, R.D., and P. Longmire. 1998. An Assessment of the Potential of Geo-Spatial Technologies for Monitoring Shrubland Habitats in Southern California. Final Report prepared for San Diego Gas & Electric, Electrical Power Research Institute, and Technology Advisory Committee, by Dept. of Geography, San Diego State University. 60 p.
- Wright, R.D. and J.F. O'Leary. 1997. An Integrated Geographic Information System to Enhance the Management of the Naval Outlying Landing Field Imperial Beach, CA. Final Report prepared for the U.S. Navy, Southwest Division, Naval Facilities Engineering Command, Natural Resources Management Branch, San Diego, CA., by the Center for Earth Systems Analysis Research, Dept. of Geography, San Diego State University. 60 p.
- O'Leary, J.F., 1994. Compositional and Structural Characteristics of Vegetation Types on Naval Air Station Miramar. Report produced for the Department of Navy, Southwest Division Naval Facilities Engineering Command, Natural Resources Management Branch by the Center for Earth Systems Analysis and Research, Department of Geography, San Diego State University. 72 p.
- O'Leary, J.F., A.S. Hope and R.D. Wright. 1994. Vegetation and Landcover Types, Naval Air Station Miramar. Report produced for the Department of the Navy, Southwest Division Naval Facilities Engineering Command, Natural Resources Management Branch by the Center for Earth Systems Analysis and Research, Department of Geography, San Diego State University. 72 p.
- Ogden Environmental and Energy Services Co. and the Biological Task Force for Preserve Design, 1993. Biological Standards and Guidelines for Multiple Species Preserve Design. Appendix A-9: in the Final Report for the Multiple Species Conservation Planning Document, City of San Diego. 140 p.

Technical Reports (continued)

- O'Leary, J.F., D.D. Murphy and T. Reid, 1993. Maximizing biodiversity as a component of conservation strategy for the Natural Communities Conservation Planning Area Section 8.3 (6 p.) *in* Southern California coastal sage scrub natural communities conservation plan: scientific review panel conservation guidelines and documentation. Calif. Dept. of Fish & Game, and Calif. Resources Agency. 469 p.
- O'Leary, J.F., Murphy, D., and P. Brussard. 1992. An NCCP Special Report: The Coastal Sage Scrub Community Conservation Planning region. Section 3.1 (5 p.) *in* Southern California coastal sage scrub natural communities conservation plan: scientific review panel conservation guidelines and documentation. Calif. Dept. of Fish and Game, Calif. Resources Agency. 469 p.
- Stow, D.A., O'Leary, J.F., and A.S. Hope. 1993. Phase II Accuracy Verification of the MSCP Regional GIS Vegetation Layer. Technical Report produced for Ogden Environmental and Energy Services by the Center for Earth Systems Analysis Research, Department of Geography, San Diego State University. 21 pp.
- O'Leary, J.F., A.S. Hope, and R.D. Wright. 1993. Vegetation and Landscover Map of Naval Air Station Miramar, CA (1:24,000). Prepared for the Public Works Department, NAS Miramar by (CESAR), Department of Geography, San Diego State University.
- Noss, R.F., J.F. O'Leary, D.D. Murphy, P.F. Brussard, and M.S. Gilpin. 1992. Coastal sage scrub survey guidelines. Section 4.1 (24 p.) *in* Southern California coastal sage scrub natural communities conservation plan: scientific review panel conservation guidelines and documentation. Calif. Dept. of Fish and Game, and Calif. Resources Agency. 469 p.
- Wright, R.D., O'Leary, J.F. and T.J. Luostarinen, 1990. State of California: Crystal Cove State Park, Geographic Information System Database. Technical Report produced for the Department of Parks and Recreation, State of California by the Center for Earth Systems Analysis Research, Department of Geography, San Diego State University. 30 pp.
- O'Leary, J.F., 1986. Environmental Analysis for Skunk Creek and the New and Agua Fria Rivers Feature of the Phoenix, Arizona and Vicinity (Including New River) Flood Control Project. Appendix 1 (General Design). In: Design Memorandum No. 3; General Design Memorandum - Phase II; Project Design - Part 4. pp. A1-65 - A1-70. U.S. Army Corps of Engineers, Los Angeles District Office.
- O'Leary, J.F., and H. Wells, 1986. Environmental Assessment for Skunk Creek and the New and Agua Fria Rivers Feature of the Phoenix, Arizona and Vicinity (Including New River) Flood Control Project. Appendix I. In: Design Memorandum No. 3; General Design Memorandum - Phase 3; Project Design - Part 4. pp. A2-73. U.S. Army Corps of Engineers, Los Angeles, District Office, 104 pp.

Technical Reports (continued)

- Almer, L.J., and J.F. O'Leary, 1985. Environmental Impact Analysis for the Arizona Canal Diversion Channel Project, Maricopa County, Arizona. In: Design Memorandum No. 3; General Design Memorandum - Phase 2; Project Design - Part 5. Appendix 1 (General Design), pp. A1-47 - A1-52. U.S. Army Corps of Engineers, Los Angeles District Office.
- Almer, L.J., O'Leary, J.F. and H. Wells, 1985. Environmental Assessment for the Arizona Canal Diversion Channel, Maricopa County, Arizona. Exhibit A to Appendix 1, 68 p. In: Design Memorandum No. 3; General Design Memorandum - Phase 2; Project Design - Part 5. U.S. Army Corps of Engineers, Los Angeles District, CA.
- O'Leary, J.F., 1985. Environmental Effects of the Puerco River Flood Control Project. In: Information Pamphlet for the General Design Conference, Puerco River & Tributaries, Gallup, NM (Chapter 8, Section B), p. 14-18. U.S. Army Corps of Engineers, Los Angeles District.
- O'Leary, J.F., 1984. Supplement to Environmental Assessment for New River Dam, Maricopa County, Arizona. U.S. Army Corps of Engineers, Los Angeles District, 10 pp.

PROFESSIONAL PRESENTATIONS

- O'Leary, J.F. and W.R. Bredemeyer. 2011. Postfire recovery coast live oak forest in San Diego County, California. To be presented at the annual meetings of the Association of American Geographers, Seattle, WA, 12-16 April 2011.
- O'Leary, J.F. and W.R. Bredemeyer. 2010. Influence of Burn History on Recovery Patterns of Ceanothus Chaparral in San Diego County, California. Presented at the annual meetings of the Association of American Geographers, Washington, D.C., 14-18 April 2010.
- O'Leary, J.F., 2009. Influence of Burn History on Shrubland Recovery Dynamics at MCAS Miramar, CA. Colloquium presented to the Department of Geography, San Diego State University, 4 September 2009.
- O'Leary, J.F., Bredemeyer, W.R., and S. Whitford. 2009. Postfire Recovery of Sycamore Riparian Woodland in San Diego County, California. Presented at the annual meetings of the Association of American Geographers, Las Vegas, NV, 22-27 March 2009.
- Smith, D.S. and J.F. O'Leary. 2008. Floristic Composition of Diegan Alluvial Sage Scrub Vegetation. Presented at the annual meetings of the Association of American Geographers, Boston, MA, 15-19 April, 2008.
- O'Leary, J.F. 2007. Characteristics of Mediterranean-type Ecosystems. Presented at the Workshop on Climate Change Effects on San Diego's Biodiversity, San Diego Natural History Museum, San Diego, CA. 7 November 2007.

PROFESSIONAL PRESENTATIONS (continued)

- Niphadkar, M.K., Schumaker, N. and J.F. O'Leary. 2007. Using Population Viability Models for Measuring Landscape Connectivity. Presented at the annual meeting of the Association of American Geographers, San Francisco, CA, 17-21 April 2007.
- Tiegs, S.D., Pohl, M., and J.F. O'Leary. 2003. Disturbance and diversity patterns in riparian ecosystems on the Colorado River delta: the role of planform stream dynamics. Presented at the annual meeting of the Association of American Geographers, New Orleans, LA, 5-9 March 2003.
- O'Leary, J.F., Fowler, H., Hudak, H., Niphadkar, M., Snapp-Cook, J., and S. Tiegs. 2002. An integrated approach to mapping vegetation and land cover types of Rancho Jamul Ecological Reserve. Presented at the Annual ESRI User Conference. San Diego, CA. 8-11 July 2002.
- O'Leary, J.F. 2002. Conservation of coastal sage scrub in the Santa Monica Mountains, California. Presented at the California Coastal Commission Workshop on Native Habitats of the Santa Monica Mountains. Long Beach, CA. 13 June 2002. Program Abstracts, p. 4.
- O'Leary, J.F. 2002. Habitat and Ecology of Southern California Watersheds. Presented at 'Watershed Perspectives: Protecting the 'Quality of Life in Coastal Southern California' Conference. San Diego, CA. 25-26 April 2002.
- Stow, D., Coulter, L., Witztum, E., Johnson, A., Wall, A., O'Leary, J., and A. Hope. 2001. Land Cover Changes Within Habitat Reserve Systems Observed With High Spatial Resolution Image Data. Presented at the Annual Meeting of the Association of American Geographers. New York, NY. 3 March 2001.
- Stow, D., Coulter, L., O'Leary, J., Hope, A., and J. Franklin. 2000. Monitoring of habitat reserve systems using remotely sensed data with very high spatial resolution. Presented at MEDECOS 2000, Mediterranean-type ecosystems; Past, present, and future. Stellenbosch, South Africa. 11-15 September 2000.
- O'Leary, J.F. 2000. Mediterranean-type shrublands of Alta and Baja California: General characteristics and response to fire. Presented to the California Native Plant Society, San Diego Chapter, 16 May 2000.
- Wells, M.L. and J.F. O'Leary. 1999. The influence of physical site characteristics and fire history on the distribution of chaparral shrubs. Presented at the California Association for Fire Ecology (CAFÉ) 1999 Symposium – Fire Management: Emerging Policies and New Paradigms. San Diego, CA. 16-19 November 1999.
- Wells, M.L. and J.F. O'Leary. 1999. Life history attributes and site preference in chaparral shrubs. Presented at the Annual Meeting of the Association of American Geographers. Honolulu, HI. 23-27 March 1999. Program Abstracts (on CD ROM)

PROFESSIONAL PRESENTATIONS (continued)

- O'Leary, J.F. 1998. Site assessment considerations for restoration of coastal sage scrub. Presented at the Symposium on Coastal Sage Scrub Restoration. San Diego, CA. 17 October 1998. Program Abstracts, p. 1.
- O'Leary, J.F. and D.D. Murphy, 1998. Maximizing biodiversity in the Natural Communities Conservation Planning Area of southern California. Presented at the annual Meeting of the Association of American Geographers. Boston, MS. 25-29 March 1998. Program Abstracts (on CD ROM).
- O'Leary, J.F., 1997. Postburn diversity patterns in southern Californian chaparral. Presented at the MEDECOS VIII International Conference on Mediterranean-type Ecosystems in a Changing World. San Diego, CA. 18-26 October 1997. Program Abstracts p. 51.
- Wills, R.D. and J.F. O'Leary, 1997. Patterns of postburn species diversity in Riversidian coastal sage scrub. Presented at the MEDECOS VIII International Conference on Mediterranean-type Ecosystems in a Changing World. San Diego, CA. 18-26 October 1997. Program Abstracts p. 69.
- O'Leary, J.F. and R. Wills, 1996. Patterns of species diversity and reproduction/recovery of plants in postburn coastal sage scrub. Presented at the Conference on Research and Management of Coastal Sage Scrub Ecosystems. San Diego, CA. 12-13 September 1996. Program Abstracts, p. 4.
- O'Leary, J.F., Wright, R.D., Stow, D.A., Henry, M.C., and D.S. Smith, 1996. An integrated approach to mapping the vegetation of the Tijuana River Watershed. Presented at the Symposium on Botanical Research in Baja California and Adjacent Areas. Ensenada, Mexico. 24-27 April 1996. Program Abstracts, p. 22.
- Smith, D.S. and J.F. O'Leary, 1996. Compositional and diversity characteristics of Diegan alluvial scrub. Presented at the Annual Meeting of the Association of American Geographers. Charlotte, NC. 9-13 April 1996. Program Abstracts , p. 275.
- Henry, M.C., A.S. Hope, and J.F. O'Leary, 1996. Postburn recovery of chaparral vegetation using remote sensing. Presented at the Annual Meeting of the Association of American Geographers. Charlotte, NC. 9-13 April 1996. Program Abstracts , p.125.
- O'Leary, J.F. 1995. Coastal sage scrub: threats and current status. Presented at the California Coastal Sage Scrub Seminar, Quail Botanical Gardens, Encinitas, CA. 28 October 1995.
- O'Leary, J.F. 1995 . Habitat characteristics of California gnatcatcher territories on Naval Air Station Miramar. Presented at the Symposium on the Biology of the California Gnatcatcher. University of California, Riverside. 15-16 September 1995. Symposium Abstracts, p.8.

PROFESSIONAL PRESENTATIONS (continued)

- O'Leary, J.F. 1994. The Role of fire in Mediterranean-type ecosystems. Presented at the Basic Firefighter Workshop sponsored by the Nature Conservancy in cooperation with the Calif. Dept. of Forestry. Santa Rosa Plateau Ecological Reserve, Murrieta, CA. 8-10 November 1994.
- O'Leary, J.F., A.S. Hope and R.D. Wright. 1994. An integrated approach to large-scale vegetative mapping. Presented at the International Geographical Union Regional Conference, Prague, Czech Republic, 22-27 August 1994.
- O'Leary, J.F. 1994. Potential impacts of emergency reseeding on California shrubland communities. Presented at the Symposium on brushfires in California: Ecology and Resource Management. Irvine, CA, 6-7 May 1994. Program Abstracts, P. 13.
- Norton, S.B. and J.F. O'Leary, 1994. Fragmentation effects upon a coastal dune scrub community in central California. Presented at the Annual Meeting of the Association of American Geographers. San Francisco, CA, 28 March - 2 April 1994. Program Abstracts, p 277.
- O'Leary, J.F. 1993. Consideration of diversity and reproductive patterns for managing coastal sage scrub. Presented at the Fifth Annual Conference of the Society for Ecological Restoration. Irvine, CA, 16-20 June 1993. Program Abstracts, pp. 49-50.
- O'Leary, J.F. and G.P. Malanson, 1992. The coastal sage scrub - chaparral boundary and response to global climatic change. Presented at the Symposium on Anticipated Effects of a Changing Global Environment on Mediterranean-type Ecosystems. Valencia, Spain. 13-18 September 1992. Symposium Program, p. 3.
- O'Leary, J.F., 1992. Towards greater uniformity of species diversity studies in Mediterranean-type ecosystems. Presented at the International Symposium on the Future of Mediterranean Landscapes. Montecatini, Italy. 27 April - 1 May 1992. Program Abstracts, p. 20.
- Wright, R.D., Luostarinen, T., and J.F. O'Leary, 1991. Role of a GIS in managing valued environments: the Crystal Cove State Park example. Presented at the Annual Meeting of the Association of American Geographers, Miami, FL, 13-17 April 1991, Program Abstracts, p. 220.
- O'Leary, J.F., 1990. Postburn reproductive strategies of selected chaparral shrubs: the role of habitat diversity. Presented at the Annual Meeting of the Ecological Society of America, Snowbird, UT, 29 July-2 August 1990. Program and Abstracts, p. 273.
- O'Leary, J.F., 1990. Comparative patterns of species diversity in Mediterranean-type shrublands and heathlands. Presented at the Annual Meeting of the Association of American Geographers, Toronto, Canada, 19-22 April 1990. Program Abstracts, p. 186.

PROFESSIONAL PRESENTATIONS (continued)

- O'Leary, J.F., 1989. Californian coastal sage scrub: General characteristics and implications for biological conservation. Colloquium presented to the Department of Biology, San Diego State University, 13 November 1989.
- O'Leary, J.F., 1989. Californian coastal sage scrub: General characteristics and future prospects. Presented at the 15th Annual Symposium of the Southern California Botanists. CSU, Fullerton, 28 October 1989. Crossosoma (Program Issue), 15(5):4-5.
- O'Leary, J.F., 1988. Mesoscale diversity patterns in Californian coastal sage scrub. Presented at the 26th Congress of the International Geographical Union, Sydney, Australia, 21-26 August 1988. Program Abstracts, p. 420.
- O'Leary, J.F., 1987. Habitat differentiation between postburn herbs in Californian chaparral and coastal sage scrub. Presented at the Annual Meetings of the Association of Pacific Coast Geographers, Davis, CA, 9-12 September 1987. Program Abstracts, p. 11.
- O'Leary, J.F. and G.P. Malanson, 1987. Influence of burn interval and fire intensity on Ceanothus spinosus reproduction. Presented at the Annual Meeting of the A.A.A.S. Pacific Division). San Diego, CA, 14-19 June 1987. Program Abstracts, p. 36.
- O'Leary, J.F., 1986. Spring diversity patterns of the postburn flora in Southern California chaparral. Presented at the Symposium on The Californian Chaparral: Paradigms Reexamined. Los Angeles, CA, 7-8 November 1986, Program Abstracts, p. 8.
- O'Leary, J.F., 1986. Environmental factors influencing postburn vegetation in a southern California shrubland. Presented at the Annual Meeting of the Association of American Geographers. Minneapolis, MN, 4-7 May 1986. Program Abstracts, p. 49.
- Westman, W.E. and J.F. O'Leary, 1985. Measures of resilience: the response of coastal sage scrub to fire. Presented at the Annual Meeting of the American Ecological Society. Minneapolis, MN, June 19-23, 1985. E.S.A. Program Abstracts, p. 292.
- O'Leary, J.F., 1985. Environmental effects of the Puerco River Flood control project. Presented at the General Design Conference, U.S. Army Corps of Engineers, Los Angeles District Office, 29 April - 2 May 1985. Conference Information Summary, pp. 14-18.
- Troeger, A.R. and J.F. O'Leary, 1984. Factors affecting microscale pattern and point diversity in coastal sage scrub of California. Annual Meeting of the Association of American Geographers, Washington, DC, April 1984. Program Abstracts, p. 62.
- O'Leary, J.F., 1983. Post-fire regeneration strategies of Californian coastal sage scrub. Annual Meeting of the Association of American Geographers, Denver, CO, 24-27 April 1983. Program Abstracts, p. 89.

PROFESSIONAL PRESENTATIONS (continued)

- O'Leary, J.F., 1981. Post-burn vegetation along environmental gradients in a southern California shrubland. Presented at the Int'l. Symp. on Dynamics and Management of Mediterranean-type Ecosystems. San Diego, CA, June 22-26, 1981. Abstracts, p. 58.
- O'Leary, J.F., 1981. Gradient analysis of post-burn vegetation in southern California. Annual Meeting of the Association of American Geographers, Los Angeles. April, 1981. AAG Program Abstracts, p. 222.
- Westman, W.E., O'Leary, J.F., and G.P. Malanson, 1980. The effects of fire intensity, aspect and substrate on post-fire growth of California coastal sage scrub. Presented (by senior author) at the International Symposium on Photosynthesis, Primary Production and Biomass Utilization in Mediterranean-type Ecosystems. Kassandra, N. Greece, September 13-15, 1980.
- O'Leary, J.F., 1980. Post-burn diversity in selected coastal sage scrub sites. Annual Meetings of the Association of Pacific Coast Geographers, Reno, June, 1980. Yearbook of the A.P.C.G., 43:165.
- O'Leary, J.F., and R.A. Minnich, 1979. Post-fire recovery of creosote bush scrub vegetation on an alluvial fan in the western Colorado Desert. Annual Meeting of the Association of Pacific Coast Geographers, Yearbook of the A.P.C.G., 41:167-168.
- O'Leary, J.F., 1976. Habitat preferences of the genus *Lupinus* in the western Transverse Ranges of southern California, Annual Meeting of the Association of Pacific Coast Geographers, Abstract, Yearbook of the A.P.C.G., 39:120.