

CURRICULUM VITAE

JOHN F. O'LEARY

August 2019

BIOGRAPHICAL DATA

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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-present 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

- 2012-now -Senate Distinguished Professor
- 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 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); Second Membership (6), Thomas Hack (NC), Alys Wall (NC), Caitlin Lippitt (C) Kellie Uyeda (C) Emanuel Storey (I), Will Brewer (NC); Outside Member (1) Robert Taylor (UCSB), (C).

Master's Degree. Chair (12) -- 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 (C), Ian Schmidt (C), Jeanne Patton (I).

Second Memberships (32) -- 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 (NC), Ivy Bartley (C), Richard Stolpe (C), Jennifer Vaughan (C), Tim Tidwell (C), Diane Rachels (C), Emanuel Storey (C), Jason Allen (C), Rachel Snavely (C), Kelsey Warkentin (I).

Third Memberships (53 in Biology, 1 in Public Health) -- 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 Alonsio (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), Francly El Souki (C), Lisa Markovchick-Nicholls (C), Michael Anguiano (C), Matt Guilliams (C), Erin Bergman (C), Maureen McCormack (C), Kristin Hasenstab (C), Alissa Brown (C), Sarah Cokely (C), Sean Ryan (C), Emily Howe (C), Sharon Reeve (C), Andrew Smith (C), Amanda Everett (C), Paulette Gonzales (I), Roman Nava-Landeros (I), Alexandra Sumarli (I), Jordyn Mulder (I), Ryan Buck (I).

PROFESSIONAL ACTIVITIES

Advisory Positions Held

- 2008-13 -Member, SANDAG Vegetation Mapping Oversight Committee
- 2008 -Crestridge Ecological Reserve Planning Committee
- 2002 -Member, Workshop Committee for the revision of the *Manual of California Vegetation*, 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
2019-2020 2016-2017 2012-2014 2009-2011 1999-2001 1994-96	-Policy Advisory Committee (Chair 1999-2001, 1995-96, 2009-2010, 2012-2014)
2009-2020 2007-2008 1998-2003 1995-96 1989-91	-Personnel Committee (Chair 2002-2003, 2010-2012, 2013-2016, 2017-2018)
2018-2020 2015-2016 2007-2014 1992-96 1989-91	-Curriculum Committee (Chair 2008-2011, spring 2014, 2018-2020)
2003-2004 1996-99 1988-89	-Hiring Committee (Chair 2003-2004, 1998-1999)
2001-2004	-M.A. Advising Committee
2014-2018 2001-2003 1999-2000	-Undergraduate Advising Committee
2005-2007 1987-1999	-Faculty Advisor for Geography Club
2002-2019 1997-2001 1987-91	-Coordinator of Physical Geography Labs
1987-88	-Budget Committee
2014-2015 2012 (spring) 1999-2003 1996-98 1990-93	-Speakers and Public Relations Committee (Chair 1986-1988, 2014-2015)

1986-88

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

2016-2019 -Scholarships and Awards Committee (Chair, spring 2010, fall 2018)
2007-2015

2014-2015 -Student Outcomes Assessment Committee
2012-2013

Collegiate Service

2019-2020 -CAL Professional Leaves Committee

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

2019 -Provided an external review of a faculty member considered for promotion to the rank of Professor (Department of Geography, University at Buffalo, The State University of New York)

2018 -Provided an external review of a faculty member considered for tenure and promotion (Department of Geography, Portland State University)

2012 -Provided an external review of a faculty member considered for tenure and promotion (Department of Geography, National University of Singapore)

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

2010 -Provided an external review of a faculty member considered for tenure and 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

- 2019 -*Conservation Science and Practice*
- 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
- 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)

- 2018-2019 - Co-Principal Investigator. Dept. of Defense, U.S. Navy. Shrub cover monitoring and sensitivity analysis of vegetation community maps for San Clemente Island, CA. \$226,861. With D. Stow and T. Zink (Co-PIs).
- 2015-2018 -Co-Principal Investigator. Dept. of Defense, U.S. Navy. Vegetation Mapping NALF San Clemente Island, Naval Base Coronado, California. \$659,594. With D. Stow and T. Zink (Co-PIs).

GRANTS AND CONTRACTS HELD (Extramural) (continued)

- 2010-2013 -Co-Principal Investigator. U.S. Forest Service. Airborne remote sensing to enable hazardous fuels reduction, forest health protection, rehabilitation and hazard mitigation activities on federal lands of southern California. \$435,000. 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).
- 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 R.D. Wright (Co-PI).

GRANTS AND CONTRACTS HELD (Extramural) (continued)

- 1994-1996 -Co-Principal 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-Principal 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-Principal 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.
- 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

- Snavely, R.A., Uyeda, K.A., Stow, D.S., O'Leary, J.F. and J. Lambert. 2019. Mapping vegetation community types in a highly-disturbed landscape: integrating hierarchical object-based image analysis with lidar-derived canopy height data. *International Journal of Remote Sensing* 40:4384-4400.
- Schmidt, I., O'Leary, J.F., Stow, D., Uyeda, K., and P. Riggan. 2016. Use of ultra-high resolution aerial imagery in the estimation of chaparral wildfire fuel loads. *Environmental Monitoring and Assessment* 188: 697.
- Uyeda, K.A., Stow, D.A., O'Leary, J.F., Tague, C. and P. Riggan. 2016. Chaparral growth ring analysis as an indicator of stand biomass development. *International Journal of Wildland Fire* 25:1086-1092.
- Rachels, D., Stow, D.A., O'Leary, J.F., and P. Riggan. 2016. Chaparral recovery following a major fire with variable burn conditions. *International Journal of Remote Sensing* 37:3836-3857.

- Storey, E.A., Stow, D.A., and J.F. O'Leary. 2016. Assessing postfire recovery of chamise chaparral using multi-temporal spectral vegetation index trajectories derived from Landsat imagery. *Remote Sensing of Environment* 183:53-64.
- Uyeda, K.A., Stow, D.A., O'Leary, J.F., Schmidt, I.T., and P.J. Riggan. 2016. Spatial variation of fuel loading within varying aged stands of chaparral. *Applied Vegetation Science* 19:267-279.
- Chaison, C.L., Stow, D.A., O'Leary, J.F., and J. Franklin. 2013. Influence of short-interval fire occurrence on post-fire recovery of fire-prone shrublands in California, USA. *International Journal of Wildland Fire* 22:184-193.
- O'Leary, J.F. and W.R. Bredemeyer. 2012. Postfire responses by southern arroyo willow forest and by southern willow scrub dominated by *Salix lasiolepis* in San Diego County, California. *The Southwestern Naturalist* 57:327-332.
- 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.
- 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

- Uyeda, K.A., Warkentin, K.K., Stow, D.A., O'Leary, J.F., Snavelly, R.A., Lambert, J., Bolick, L., O'Connor, K., and B. Munson. 2019. Vegetation mapping using hierarchical object-based image analysis applied to aerial imagery and lidar data. Resubmitted (22 May 2019) to *Applied Vegetation Science*.
- Storey, E.A., Stow, D.A., Roberts, D.A., O'Leary, J.F., and F.W. Davis. 2019. Evaluating drought impact on postfire recovery of chaparral across southern California. Submitted to *Global Change Biology* (1 August 2019).
- Storey, E.A., Stow, D.A., O'Leary, J.F., Roberts, D.A., and F.W. Davis. 2019. Do short interval fires inhibit postfire recovery of chaparral throughout southern California? Submitted to *Remote Sensing of Environment* (2 August 2019).
- Lippitt, C.L., Stow, D.S., Fraley, G., and J.F. O'Leary. 2019. Signature variability of native and

nonnative herbaceous vegetation in California sage scrub based on spectral reflectance time series. In preparation and to be submitted to *Photogrammetric Engineering and Remote Sensing*.

O'Leary, J.F. and W.R. Bredemeyer. 2011. Recovery of California sycamore woodland following an intense wildfire in San Diego County, California. Submitted (3/16/11) to *American Midland Naturalist*.

O'Leary, J.F., Bredemeyer, W.R., and E. Fallon . 2012. Recovery of a riparian ecosystem following an intense wildfire in southern California, USA. Submitted to *Acta Oecologia* (4/27/11).

O'Leary, J.F, Fallon, E. and W.R. Bredemeyer. 2012. Influence of an intense wildfire on plant diversity and compositional patterns in a riparian forest ecosystem in southern California, USA. Submitted (6/28/11) to *Biodiversity and Conservation*.

O'Leary, J.F., and E. Fallon. 2012. Influence of an intense wildfire on plant diversity patterns in California sycamore woodland in San Diego County, California, USA. Manuscript is 90% completed. To be submitted (July, 2011) to the *International Journal of Biodiversity and Conservation*.

Non-Refereed Publications

Bohr, G.S. and J.F. O'Leary. 2019. *Earth's Physical Environment*, Geography 101 Laboratory Manual. 92 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

- Uyeda, K.A., Warkentin, K., Stow D.A., and J. F. O'Leary. 2018. Vegetation Mapping at NALF San Clemente Island, Naval Base Coronado, California. Final Report produced for NAVFAC Southwest, Naval Base Coronado Installation. Under Agreement with the U.S. Army Corps of Engineers, Letter of Agreement No. W9126G-15-2-0034. 40 p.
- Uyeda, K.A., Stow, D.A., O'Leary, J.F., Schmidt, I. and P.J. Riggan, 2017. Chaparral biomass measurements in the Cleveland National Forest. Fort Collins, CO: Data available at Forest Service Research Data Archive. <https://doi.org/10.2737/RDS-2017-0021>
- Stow, D. Coulter, L., Uyeda, K., O'Leary, J., Lippitt, C., Simons, N., Tsou, M., Rachels, D., Schmidt, I., and E. Storey. 2014. Airborne Remote Sensing to Enable Hazardous Fuels Reduction, Forest Health Protection, Rehabilitation and Hazard Mitigation Activities on Federal Lands. Final Report produced for Dr. Phillip J. Riggan, U.S. Forest Service, Pacific Southwest Research Station, Riverside, CA, 92507. 58 pp.
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