

Barbara A. Holzman, Ph.D.

bholzman@sfsu.edu

<http://online.sfsu.edu/bholzman/>

EDUCATION

University of California, Berkeley, PhD. Wildland Resource Science.

University of California, Los Angeles, MA Geography (Biogeography).

University of California, Berkeley, BA Geography.

ACADEMIC POSITIONS

Professor: SF State University, Department of Geography and Environment. 2004-Present.

Associate Professor: San Francisco State University, Department of Geography. 1997 – 2004.

Assistant Professor: San Francisco State University, Department of Geography. 1992-1996.

ADMINISTRATIVE EXPERIENCE

Co-Founder and Program Director: Environmental Studies. 2011-2012, 1999- 2002.

1999-2002: Led curriculum development of new interdisciplinary major with five degrees, co-wrote proposal for master plan projection and proposal for degree. Developed five required courses within the degree (Environmental Studies, Env. Law and Policy, Natural Resource Management, Internship and Senior Seminar). Initiated, led, and implemented successful launch of new program; Coordinated affiliated faculty of associated disciplines from four Colleges to lead and advise in the program; chaired curriculum and hiring committees, supervised all budget and personnel activity, including faculty hiring, maintained communication with department's alumni and donors; BSS Council, represented the Program at internal and external events.

2011-2012: Program Director: Managed faculty and class schedules and budget of academic department. Chaired curriculum and hiring committee. Attended weekly College council meetings. Advised students in the program. Represented the Program at internal and external events.

University Assessment Coordinator, SFSU Office of Academic Planning and Educational Effectiveness, Academic Affairs July 2005-2007

Worked with departments in 8 Colleges to develop assessment plans for their degree programs, attended Academic Program Review Committee meetings, reviewed and summarized annual assessment reports for all University degree programs; participated in WASC seminars, maintained accreditation files for accredited programs. Chaired University Assessment Advisory Committee. Assisted in the transition of outgoing (Richard Giardino) and incoming (Linda Buckley) AVP of Academic Planning, Assisted in creation of 6th Cycle Handbook for Program Review.

Chair, Baccalaureate Requirements Overlay Subcommittee 2011-2012

Coordinated first year of committee and led review of 50+ proposals for acceptance into four baccalaureate degree overlays (Sustainability, Social Justice, Global Perspective, American Ethnic and Racial Minorities) to be included in new GE; Managed committee work and communicated committee responses to faculty. Oversaw resubmissions and reviews of revised proposals. Reported to Baccalaureate Review Committee.

Co-coordinator, SFSU Student Outreach and Opportunity Center 2012-2016

National Park Service and Parks Conservancy. Worked with National Park Service and National Parks Conservancy in the successful creation of an internship program for SF State Students within the National Park Service, over 120 interns currently placed in the Parks over 4 years; assisted in outreach and recruitment of SF State students, assisted in the coordination of volunteer and recreational activities for SF State students at Golden Gate National Recreation Area; and planned and implemented a program to bring Roving Ranger monthly to campus for outreach to students, staff and faculty.

ELECTED LEADERSHIP POSITIONS

San Francisco State University, Academic Senate 2008-2014

Served as BSS representative to Academic Senate 2008-2011, Served as University At-Large Senator 2011-2014

Member of Curriculum Review and Approval Committee (2008-9, 2010-11), Academic Policy Committee (2013-2014),

Elected as At-Large member to the Academic Senate Executive Committee (2009-2010, 2011-2012, 2012-2013)

Department Chair Election Committee 2016.

AWARDS

Conservation Science Award. Point Blue Conservation Science. Summer 2015

Faculty Leave with Pay Award. Spring 2015, Fall 2007, Spring 1999.

Post Promotion Increase Award, San Francisco State University. Spring 2009.

Faculty Recognition Award, Environmental Studies Program. May 2006,

Best Practices in Assessment. Office of Academic Affairs. November 2003.

Meritorious Performance & Professional Promise Award 2002

Technology Discipline Integrator, Center for Enhancement in Teaching. SFSU. 1997.

Presidential Award for Professional Development of Probationary Faculty. Awarded: 1995. SFSU.

Collaborator for Virtual Geography Department Workshop. UTexas, Austin. June 1-7, 1997.

Affirmative Action Faculty Development Award 1995

PUBLISHED BOOKS, BOOK CHAPTERS

Holzman, Barbara. 2009 and 2016. *A Field Guide to Point Reyes National Seashore* published in the California Edition of *Physical Geography* by Darrel Hess and Tom McKnight. Prentice Hall, New Jersey. 2016 revision

Holzman, Barbara and Qian Guo. 2010. Grassroots Environmental Management in the Western United States: Can it be a Model for Success for Western China? In Guo et al (Eds) *Environmental Protection Policy and Experience in the U.S. and China's Western Regions*. Lexington Books, Lanham. p. 27-45

Holzman, Barbara. 2008. Biomes of the World: Volume Two: *Tropical Forests Biomes*. Greenwood Publishing Group, Inc., Westport, CT.

Evans, Rob and Barbara Holzman. 2005. *Geographical Measurement*. 2nd edition. Kendall Hunt Publishing. 276 pages.

Evans, Rob and Barbara Holzman. 2003. *Geographical Measurement*. Kendall Hunt Publishing. 198 pages.

Holzman, Barbara. 1994. Creosote Bush Scrub (SRM 211). In Shiflet ed. *Rangeland Cover Types of the United States*. Society for Range Management Publication. Denver, Colorado.

Allen, Barbara H., Barbara A. Holzman, and Rand R. Evett. *A classification system for California's hardwood rangelands*. University of California Division of Agriculture and Natural resources, 1991.

Holzman, Barbara Ann. *Vegetation change in California's blue oak (Quercus douglasii) woodlands 1932-1992*. University of California Berkeley, 1993.

PUBLISHED ARTICLES

Studwell, Anna, Ellen Hines, Meredith Elliott, Julie Howar, Barbara Holzman, Nadav Nur, and Jaime Jahncke. 2016. Modeling Nonresident Seabird Foraging Distributions to Inform Ocean Zoning in Central California. *PLUS ONE*
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0169517>

Jensen, Caitlin, Ellen Hines, Barbara A. Holzman, Thomas J. Moore, Jaime Jahncke & Jessica V. Redfern. 2015. Spatial and Temporal Variability in Shipping Traffic off San Francisco, California. *Coastal Management*. Vol 43 (6), November 2015, pages 575-588
<http://www.tandfonline.com/toc/ucmg20/43/6>

Dransfield, A., E. Hines, M. McGowan, B. Holzman, M. Elliot, J. Howar, N. Nur and J. Jahncke. 2014. Where the whales are: Using habitat modeling to support changes in shipping regulations within National Marine Sanctuaries in Central California. *End. Species Res.* 26 (1) 39-57.
<http://www.int-res.com/abstracts/esr/v26/n1/p39-57/>

Harvey, Brian J., Barbara A. Holzman, and Alison B. Forrestel. 2014. "Forest Resilience Following Severe Wildfire in A Semi-Urban National Park." *Fremontia*. Vol 42(3) 14-18
<https://www.nps.gov/pore/learn/management/upload/FremontiaV42-3-BrianHarvey.pdf>

Harvey, Brian J., and Barbara A. Holzman. "Divergent successional pathways of stand development following fire in a California closed-cone pine forest". *Journal of Vegetation Science* 25.1 (2014): 88-99.
<http://onlinelibrary.wiley.com/doi/10.1111/jvs.12073/full>

Harvey, B., B. Holzman and J. Davis. 2011. Spatial variability in stand structure and density-dependent mortality in newly established post-fire stands of a California closed-cone pine forest. *Forest Ecology and Management* 262 (2011) 2042–2051.

<http://www.sciencedirect.com/science/article/pii/S0378112711005470>

Cleve, C. J. Perrine, B. Holzman and E. Hines. 2011. Addressing biased occurrence data in predicting potential Sierra Nevada red fox habitat for survey prioritization. *Endangered Species Res*, Vol 14, p. 179-191. http://digitalcommons.calpoly.edu/cgi/viewcontent.cgi?article=1427&context=bio_fac

Vanderhoof, Melanie, Barbara A. Holzman, Chris Rogers. (2009) Predicting the Distribution of Perennial Pepperweed (*Lepidium latifolium*), San Francisco Bay Area, California. *Invasive Plant Science and Management*: Vol. 2, No. 3, pp. 260-269. <http://www.bioone.org/doi/abs/10.1614/IPSM-09-005.1?journalCode=ipsm>

Fernandez, Miguel, Stanley D. Blum, Steffen Reichle, Qinghua Guo, Barbara Holzman, and Healy Hamilton. 2009. Locality uncertainty and the differential performance of four common niche-based modeling techniques *Biodiversity Informatics*, 6, 2009, pp. 36-52

<https://journals.ku.edu/index.php/jbi/article/view/3314>

Holzman, Barbara A. & Karen Folger. 2003. *Vegetation Response to Fire in the Bishop Pine Forest at Point Reyes National Seashore*. Proceedings of the Mt. Vision Fire Symposium, National Park Service.

Barbara A. Holzman, 2000. “A Tool for Change”. Featured Book Review: on “Communication Skills for Conservation Professionals” by S. K. Jacobsen. *Conservation Biology*. Vol 14, no 4, 1213-1214.

Holzman, Barbara A., and Jodene Isaacs. "California Rangeland Reference Area (RRA) Inventory and Database." *Rangelands* (1999): 22-26.

Holzman Barbara A. & Karen Folger. 1997. “Bishop Pine Survives” in *Fire: Burning Issues in Fire Management. Point Reyes National Seashore*. Special Publication. Point Reyes National Seashore Association. Sept. 1997.

https://www.nps.gov/pore/learn/management/firemanagement_visionfire_burningissues.htm#CP_JUMP_110563

Brown, Peter; John Foster; Barbara Holzman; Simon Hurd; Stan Kitchen; Rick Miller; Tania Schoennagel; Al Solomon and Linda Wadleigh. 1997. “A Dendrochronological Assessment of Fire History in a Ponderosa Pine Forest of the Eastern Cascades”. Brown 1997 Report. [Online.]

http://dendrolab.indstate.edu/nadef/Reports/1997_Brown.pdf

Holzman, Barbara. Principal Investigator. *Mountain Lake: An Assessment of Its Potential as an Urban Open Space Area for Recreation and a Viable Native Habitat 1996-1997*. California Urban Environmental Research and Education Center. Published report.

Holzman, Barbara A., and Karen Folger. "Post-fire vegetation response in the bishop pine forest at Point Reyes National Seashore." *Vision fire, lessons learned from the October* (1995): 49-57. <https://nature.berkeley.edu/brunslab/espm134/papers/HolzmanFolger.pdf>

Allen-Diaz, Barbara, and Barbara Ann Holzman. *Resampling VTM plots in Blue Oak cover type series*. Department of Forestry and Fire Protection, Forest and Rangeland Resources Assessment Program (FRRAP), 1993.

Allen-Diaz, Barbara H. and Barbara A. Holzman. 1991. Blue oak communities of California. *Madrono*. Vol. 38 (2) p.80-95. https://www.jstor.org/stable/41424845?seq=1#page_scan_tab_contents

Allen, Barbara; Barbara A. Holzman and Rand R. Evett. 1991. A Classification System for California's Hardwood Rangelands. *Hilgardia*. Vol. 59 (2) 45p. <http://hilgardia.ucanr.edu/Abstract/?a=hilg.v59n02p045>

Holzman, Barbara A. and Barbara H. Allen-Diaz. 1991. Vegetation change in blue oak woodlands in California. In: Proceedings, Symposium on oak woodlands and hardwood rangeland management. Gen. Tech. Rep. PSW-126. Berkeley, CA USDA Pacific Southwest Forest and Range Experiment Station. pp. 189-193.

Holzman, Barbara A., and Barbara H. Allen-Diaz. "Vegetation change in blue oak woodlands in California." (1991) Pacific Southwest Research Station, USFS. *General Technical Report*. https://www.fs.fed.us/psw/publications/documents/psw_gtr126/psw_gtr126_03_holzman.pdf

Allen, Barbara H. Report on rangeland cover type description for California hardwood rangelands. Forest and Rangeland Resources Assessment Program, 1989. http://frap.fire.ca.gov/publications/Rangeland_cover_type_descriptions_for_California_hardwood_rangelands.pdf

PROFESSIONAL PRESENTATIONS

Holzman, Barbara, R. Chasey, B. Petersen and T. Parker. *Characterization of Southeast Farallon Island Seedbanks*. California Islands Symposium, Oct 15, 2016, Ventura California

Clark, Quentin, Barbara Holzman, G. McChesney and G. Block. Farallon National Wildlife Refuge 2016 Invasive Plant Inventory. California Islands Symposium, Oct 15, 2016, Ventura California

Holzman, Barbara, Jamie Lee Hawk, Richard Adam Chasey. 2016. *Vegetation Mapping and Seed Banks Analyses of Southeast Farallon Island, San Francisco County, CA*. Annual Meeting, Association of American Geographers, April, 2016. San Francisco, CA

Tori Seher, Barbara Holzman, Ellen Hines, and Ben Becker 2016. Evaluating the Breeding Ecology of Pigeon Guillemots (*Cepphus columba*) on Alcatraz Island. 43rd Pacific Seabird Group Annual Meeting. Hawaii. January 2016

Kalchmayr, Kerstin, Barbara Holzman, Ellen Hines and Katharyn Boyer. 2015. Assessing Spatio-temporal Changes of Invasive Algerian Sea Lavender (*Limonium ramosissimum*) in San Francisco Bay Wetlands. California Invasive Plant Council. Annual Meeting, Fall 2015.

Holzman, B. T. Shelton and D. Adams. 2013. Mapping the Vegetation of the SE Farallon Island, San Francisco, CA Poster Presentation. Annual Meeting, Association of American Geographers, April, 10-14, 2013. Los Angeles, CA

Chasse, Michael, B. Holzman, J. Davis and V.T. Parker. 2012. San Francisco Rare Endemic Manzanitas: Prospects for Recovery through Restoration. California Native Plant Society. Conservation Conference. Jan. 12-14, 2012

Holzman, B. A., and B. J. Harvey. 2010. *Long term Vegetation response to fire in the Bishop Pine Forest at Point Reyes National Seashore* (Paper Presentation) Annual Meeting, Association of American Geographers, April, 14-18, 2010. Washington, D. C.

Harvey, B.J. and B.A. Holzman, 2010. Post Fire Stand Dynamics in a *Pinus muricata* Forest. (Paper Presentation) Annual Meeting, Association of American Geographers, April 14-18, 2010. Washington, D. C.

SF State University Interdisciplinary Council. Symposium on Intellectual Economics: Interdisciplinary Responses to the CSU Budget Crisis. March 12, 2010. Invited Speaker

Holzman, Barbara. 2009. Grassroots Environmental Management in the Western United States: Can it be a Model for Success for Western China? Presented at international conference: "U.S. and China's Environmental Protection Policy: the Impact of National and Local Policy on the Western Region" March 24-25, 2009 at Chinese Academy of Social Sciences, Beijing, China. Invited Speaker.

Crowley, Brian J., Brian J. Harvey, and Barbara A. Holzman. "Dynamics of pitch canker disease in bishop pines (*Pinus muricata*) at Point Reyes National Seashore, CA." *Annual Meeting. Association of American Geographers, Las Vegas, NV.* 2009.

Hiatt, Seth, Barbara Holzman, and Jerry Davis. 2009. Modeling the habitat distribution of Ione Manzanita (*Arctostaphylos myrtifolia*) in Amador County, California. California Native Plant Society Conservation Conference. January 17-19, 2009. Sacramento, CA

Barbara Holzman, Liam Reidy. 2007. Coastal Biogeography of the San Francisco Bay Area. April 20, 2007. Presented at the Annual Meeting of the Association of American Geographers. April 2007. San Francisco, CA

Holzman, Barbara. 2005. Vegetation Change in the Bishop Pine Forest. Point Reyes National Seashore. 1995-2005 Fire in the Ecosystem Symposium. September 17, 2005. Invited Speaker

Holzman, Barbara and Tiffany Meyer. 2005. *Identifying and Mapping the Distribution of the endangered Arctostaphylos myrtifolia (Ione manzanita) within California*. Annual Meeting of the Association of American Geographers. April 5, 2005. Denver, Colorado.

Barbara A. Holzman & Karen Folger. 2003. Vegetation Response to Fire in the Bishop Pine Forest at Point Reyes National Seashore. Vision Fire Lessons learned from the October 1995 Fire. Point Reyes National Seashore. National Park Service. US Department of the Interior.

Panelist on “Community Conversations on Parks” aired on CityWatch Channel 26 in San Francisco. Taped panel discussion on Lake Merced “The Storm beneath the Calm” show taped on 6/28/02, on aired 8/7/02, 8/17/02 and 8/28/02.

Holzman, Barbara and Karen Folger. 2002. *Post-fire Vegetative Changes in the Bishop Pine Forest at Pt Reyes National Seashore*. Annual Meeting of the Association of American Geographers. March 28, 2002. Los Angeles, CA.

Holzman, Barbara; Susan W. Beatty; Mark McClean, Matthew Kuhn, Lesley S. Rigg, Keith S. Hadley, Karen B. Arabas. *Vegetation Change in Forests through Time and Disturbance/Fire*. Organizer and Session Chair: Barbara A. Holzman, Paper Session Presented at the Annual Meeting of the Association of American Geographers. March 28, 2002. Los Angeles, CA.

Holzman, Barbara and Karen Folger. National Park Service: Vision Fire Symposium: Fire Years Later. October 14, 2000. Dance Palace Community Center. Pt Reyes, CA

Holzman, Barbara. 2001. *Isolation of Natural Areas due to Urban Development: San Francisco*. Annual Meeting of the Association of American Geographers. Poster Session. February 28, 2001. New York City, New York.

Holzman, Barbara; Susan Woodward, Henry Grissino-Mayer, Duane Griffin, Joseph Kerski, Karen Lemke. 1998. *Caught in the Web: Developing and Assessing Online Resources*. **Session Organizer and Chair**. Annual meeting of the Association of American Geographers, Boston, MA. April 1998.

Holzman, Barbara. 1998. *Virtual Field Trips on the WWW*. Annual Meeting of the Association of American Geographers, Boston, MA. April 1998.

Holzman, Barbara A. 1997. *Using Vegetation Type Mapping (VTM) Data to Assess Land Use and Vegetation Changes in California*. Presented at the Southern California Environmental and History Conference, California State University, Northridge.

Holzman, Barbara. 1996. *Successional Changes in *Quercus douglasii* (blue oak) Woodlands in California*. Annual meeting of the Association of American Geographers, Charlotte, N.C. April, 1996.

Holzman, Barbara. 1994. *Spatial Analysis of Successful Natural Quercus douglasii* (Blue Oak) Regeneration. The California Conference on Ecosystem Management: Designing with Nature. October 25-27, 1994. Sacramento, California.

PUBLISHED ABSTRACTS

Holzman, B. T. Shelton and D. Adams. 2013. *Mapping the Vegetation of the SE Farallon Island, San Francisco, CA*. Poster Presentation. Annual Meeting, Association of American Geographers, April, 10-14, 2013. Los Angeles, CA. Online: <http://meridian.aag.org/callforpapers/program/AbstractDetail.cfm?AbstractID=54175>

Holzman, B. A., and B. J. Harvey. 2010. *Long term Vegetation response to fire in the Bishop Pine Forest at Point Reyes National Seashore* (Paper Presentation) Annual Meeting, Association of American Geographers, April, 14-18, 2010. Washington, D. C.

Harvey, B.J. and B.A. Holzman, 2010. Post Fire Stand Dynamics in a *Pinus muricata* Forest. (Paper Presentation) Abstract. In Proceedings of the Association of American Geographers. Annual Meeting, Washington, D. C

Crowley, B. J., B. J. Harvey and B. A. Holzman. 2009. *Dynamics of Pitch Canker Disease in Bishop Pines (Pinus muricata) at Point Reyes National Seashore, CA*. Abstract. In Proceedings of the Association of American Geographers. Annual Meeting, Las Vegas, NV.

Hiatt, Seth, Barbara Holzman and Jerry Davis. 2009. Modeling the habitat distribution of Ione Manzanita (*Arctostaphylos myrtifolia*) in Amador County, California. Abstract. In Proceedings of the CNPS Conservation Conference. January 17-19. Sacramento, CA

Barbara Holzman, Liam Reidy. 2007. Bay Area Coastal Biogeography: A Guide to, The Marin Headlands, Muir Woods National Monument, Point Reyes National Seashore and Crissy Field. Association of American Geographers 2007 Annual Meeting. April 20, 2007. San Francisco, California

Barbara Holzman, Karen Folger. 2002. "Post-fire Vegetative Changes in the Bishop Pine Forest at Pt Reyes National Seashore". Abstract. In Proceedings of the Association of American Geographers. 96th Annual Meeting. Promedia Corp. Publishers. March. 2002.

Barbara A. Holzman. 2001. Isolation of Natural Areas due to Urban Development: San Francisco. Abstract. In Proceedings of the Association of American Geographers. 95th Annual Meeting. Promedia Corp. Publishers. March. 2001.

Barbara Holzman, Karen Folger. 2000. "Post-fire Vegetative Changes in the Bishop Pine Forest at Pt Reyes National Seashore". Abstract. Vision Fire Symposium, Five Years Later. October 14, 2000. National Park Service. Point. Reyes Station.

David Hall & Barbara A. Holzman. 1998. The Coyote (*Canis latrans*) in Western Marin County: Recolonization and Human Interaction. Abstract. First Symposium on Current Natural Research in Golden Gate National Recreation Area. Sept. 10, 1998. United States Department of Interior. National Park Service.

Barbara A. Holzman and Cristina Grosso. 1998. "The Mountain Lake Area: An Assessment of Its Function and Compatibility as a Recreational Area and Native Habitat?". Abstract. First Symposium on Current Natural Research in Golden Gate National Recreation Area. Sept. 10, 1998. United States Department of Interior. National Park Service.

Barbara A. Holzman. 1998. "Virtual Field Trips on the WWW". Abstract. In Proceedings of the Association of American Geographers 94th Annual Meeting. Promedia Corp. Publishers. April. 1998.

Barbara A. Holzman. 1997. Using Vegetation Type Mapping (VTM) Data to Assess Land Use and Vegetation Changes in California. Abstract. The Southern California Environment and History Conference. Natures Workshop: Environmental Change in 20th Century Southern California. Sept 18-20, 1997.

ACADEMIC WEBSITES CREATED:

Holzman, Barbara. 2003. *Biogeography of Lake Merced*. San Francisco State University. <http://online.sfsu.edu/bholzman/LakeMerced/Default.htm>

Point Reyes Virtual Field Trip: <http://online.sfsu.edu/bholzman/ptreyes/welcome.htm>

Geography 316 *Biogeography Final Project Assignment*: Series of student projects on the Biogeography of selected organisms. http://online.sfsu.edu/bholzman/private/316/final_projects_index.htm

PUBLISHED REPORTS

Holzman, Barbara, Q Clark, G. McChesney and G. Block. 2017. Invasive Plant Inventory of South Farallon Islands Farallons NWR. Report to USFWS.

Holzman, Barbara and Giselle Block. 2016 Protocol for Invasive Species mapping of the South Farallon Islands, Farallon National Wildlife Refuge, California, Report to USFWS

Holzman, Barbara. 2011. Post Fire Vegetation Change within the Bishop Pine and Douglas Fir Forest at PRNS. Investigators Annual Report to National Park Service. Online: <https://irma.nps.gov/rprs/IAR/Profile/92284>

Holzman, Barbara. 2009. Post Fire Vegetation Change within the Bishop Pine Forest at PRNS. Investigators Annual Report to National Park Service. Online: <https://irma.nps.gov/rprs/IAR/Profile/53205>

Holzman, Barbara, and Tiffany Meyer. "Conservation and recovery of Ione endemic plants: mapping the Ione plant community." *San Francisco State University* (2004).

Holzman, Barbara and Tiffany Meyer. 2003. Mapping the Ione Plant Community. Conservation and Recovery of Ione Endemic Plants. Report. California Department of Fish and Game. November 2003.

Holzman, Barbara and Tiffany Meyer. 2003. Mapping the Ione Plant Community. Conservation and Recovery of Ione Endemic Plants. Draft Report. California Department of Fish and Game. May 2003.

Investigators Annual Report. 2002. National Park Service. Post Fire Vegetation Change within the Bishop Pine Forest at PRNS. Filed with the National Park Service. Published online at NPS website: <http://science.nature.nps.gov/permits/servlet/IarFormSearchViewServlet?reportId=24024>

Barbara Holzman, David Freitag. 2002. Lake Merced Interpretative Signage. Exhibit Drafts for San Francisco Department of Parks and Recreation, Significant Natural Areas Program.

Barbara Holzman. ed. 2002. Land Use Practices of the Pacific Rod and Gun Club and the Associated Effects. For San Francisco Department of Recreation and Parks, and the Public Utilities Commission.

Barbara A. Holzman. 2001. Land Use and Development History of Corona Heights Park, a Significant Natural Area, San Francisco, CA. Report submitted to San Francisco Department of Recreation and Parks. February 2001. 17 pages.

Barbara A. Holzman. 2001. Land Use and Development History of Mt Davidson, a Significant Natural Area, San Francisco, CA. Report submitted to San Francisco Department of Recreation and Parks. February 2001. 29 pages.

Barbara A. Holzman and Christy Camp. 2001. Land Use and Development History of 15th Ave Steps, Grand View Park, Golden Gate Heights Park and Hawk Hill, Significant Natural Areas, San Francisco, CA. Report submitted to San Francisco Department of Recreation and Parks. February 2001. 33 pages.

Barbara A. Holzman. 2000. Land Use and Development History of Glen Canyon Park Significant Natural Area, San Francisco, CA. Report submitted to San Francisco Department of Recreation and Parks. September 2000. 67 pages.

Barbara A. Holzman. 2000. Land Use History of Buena Vista Park, Significant Natural Area. Report submitted to San Francisco Department of Recreation and Parks. August 2000. 28 pages.

Barbara A. Holzman. 2000. Land Use History of O' Shaughnessey Hollow Significant Natural Area, San Francisco, CA. Report submitted to SF Department of Recreation and Parks. August 2000.

Barbara A. Holzman. 2000. Land Use History of Dorothy Erskine Park, a Significant Natural Area, San Francisco, CA. Report submitted to San Francisco Department of Recreation and Parks. August 2000.

Barbara A. Holzman and Christina Camp. 1999. Land Use History of Twin Peaks Significant Natural Area, San Francisco, CA. Report submitted to San Francisco Department of Recreation and Parks.

Barbara A. Holzman & Cristina Grosso. 1998. Mountain Lake: An Assessment of Its Potential as an Urban Open Space Area for Recreation and a Viable Native Habitat. Report submitted to California Urban Environmental Research and Education Center. 38 pages

Barbara Holzman, Simon Hurd. *Pseudotsuga menziesii* Regeneration Study. Point Reyes National Seashore. 7/91, 2 page summary.

Barbara Holzman and Karen Folger. *Pinus muricata* Regeneration Study. Point Reyes National Seashore. Submitted 7/91, 2 page summary.

Karen Folger, Barbara Holzman PI. *Pinus muricata* Regeneration Study Point Reyes National Seashore. First Year Summary Report. April 1997. 11 pages.

Barbara A. Holzman & Jodene Isaacs. 1996. The Rangeland Reference Area (RRA) Database: Final Report. A Report for Forest and Rangeland Resources Assessment Program (FRRAP) California Department of Forestry and Fire Protection. 74 pages.

RESEARCH GRANTS

EXTERNAL GRANTS

Invasive Plants of South Farallon Islands, Supplemental Grant for Summer Survey, Farallon NWR, USFWS. July 2016. \$3500

Invasive Plants of South Farallon Islands, Farallon NWR, USFWS. July 2015. \$20,000

Campus as a Living Lab Grant Initiative. CSU, Office of the Chancellor. Sept. 2013. \$12,000. Awarded.

San Francisco Bay Area Sustainable Urbanism Network (BASUN) Preliminary Proposal : Sustainability Research Networks Competition: National Science Foundation; Lynn Trulio PI: Barbara Holzman Co-PI

Barbara Holzman. 2003. Addendum to Conservation and Recovery of Ione Endemic Plants. California Department of Fish and Game. Additional funding: \$12,000. Funded.

Barbara Holzman. 2001. Conservation and Recovery of Ione Endemic Plants. California Dept of Fish and Game. \$47,000. Funded.

Barbara Holzman, Michael Vasey, Co-PIs. 2000. Lake Merced Enhancement Project, San Francisco, City of San Francisco Department of Recreation and Parks. \$55,000. Funded.

Barbara Holzman. 1999. San Francisco Significant Natural Areas. Land Use History. City of San Francisco Department of Recreation and Parks. \$9,500. Funded.

Barbara Holzman. 1997. Collaborator for Virtual Geography Department Workshop. University of Texas, Austin. June 1-7, 1997. National Science Foundation via University of Texas, Austin. Funded.

Barbara Holzman. 1996 Mountain Lake: An Assessment of Its Potential as an Urban Open Space Area for Recreational Activities and an Ecologically Healthy Habitat for Native Plants and Wildlife. Council on Urban Environmental Research and Education. (CUEREC). \$3300. Funded.

Barbara Holzman. 1995. Pinus muricata d. Don (Bishop Pine). Regeneration Study, Point Reyes National Seashore to study Bishop Pine regeneration after fire. Pt. Reyes National Seashore. National Park Service. 1995-1996. \$2000. Funded.

Barbara Holzman. 1995. Pseudotsuga menziesii (Douglas fir) Regeneration Study, Point Reyes National Seashore to study Douglas Fir Regeneration after fire. National Park Service. \$2000 Funded.

INTERNAL GRANTS (SFSU)

Barbara Holzman. SF State Leave with Pay. Awarded 1998, 20017 and 2014.

Barbara Holzman. 1996. Technology Discipline Integrator Proposal, SFSU Center for Enhancement in Teaching. San Francisco State University. \$3000.

Barbara Holzman. 1996. Effects of Mt Vision Fire on Bishop Pine and Douglas fir. Application for support of Research, Scholarship or Creative Activity. SFSU. Mini-grant. \$2510.

Barbara Holzman. 1995. CET-SFSU Grant to Attend Syllabus '95 Conference. San Francisco State University. Funding to attend Syllabus '95 Conference.

Barbara Holzman. 1995. CSU Affirmative Action Faculty Development Award. San Francisco State University. Assigned time (Spring 1995).

Barbara Holzman. 1993. Development and Land Use Change in California's Blue Oak Woodlands. CSU Research and Professional Development Vice-president's Assigned Time. SFSU. Assigned Time (Spring 1994).

Barbara Holzman. 1995. Vegetation Change and Urban Biogeography. CSU Research and Professional Development Mini-grant. San Francisco State University. \$2000.

Barbara Holzman. 1993. A Spatial Analysis of Blue Oak Woodlands. CSU Affirmative Action Faculty Development Award. San Francisco State University. \$1000.

Barbara Holzman. 1993. GIS Analysis and Training. CSU Affirmative Action Faculty Development Award. San Francisco State University. \$1200.

Barbara Holzman. 1993. GIS and Blue Oak Regeneration. CSU Research and Professional Development SFSU. Mini-grant Proposal. Assigned time (Spring 1993).

Barbara Holzman. GIS and Blue Oak Regeneration. CSU Research and Professional Development Mini-grant. San Francisco State University. \$2800.

The Effects of Isolation on plant species in SF Natural Areas. Application for support of Research, Scholarship or Creative Activity. SFSU VP Release time. 2000.

TEACHING

COURSES TAUGHT

Geography Department

Graduate Seminars

GEOG 751: Environmental Management (designed and taught)

GEOG 810: Graduate Seminar in Biogeography (designed and taught)

General Education

GEOG 101: Introduction to Physical Geography

GEOG 600: Environmental Problems and Solutions

GEOG 160: Introduction to Environmental Science and Env. Science Lab (design and taught)

Core Requirements in Major

Geography: GEOG 316: Biogeography (designed and taught), GEOG 103: Geographic Techniques, GEOG 690: Senior Seminar

Environmental Studies Program

ENVS 224: Research Methods (design and taught); ENVS 680: Environmental Internship (design and taught), ENVS 690: Senior Seminar (design and taught); GEOG/ENVS 657: Natural Resource Management: Biotic Environment and Lab (designed and taught).

Curriculum Development

Co-lead creation of Interdisciplinary Environmental Studies Program; 1998-2000

Courses created:

GEOG 160: Introduction to Env. Science (New GE Life Science Course)

ENVS 224: Research Methods in ENVS
GEOG 657 Natural Resource Management: Biotic Resources
ENVS 690: Senior Seminar in ENVS
ENVS 680: Internship in ENVS
ENVS 699 Special Study in ENVS
GEOG 316: Biogeography
GEOG 810: Graduate Seminar in Biogeography

THESIS COMMITTEES

Quentin Clark. Modelling the Spatial Distribution of Invasive Plants on Southeast Farallon Island.
Pending, expected completion May 2017.

68 Completed Theses (* denoted committees that I chaired)

*Kirsten Kalchmayr. December 2016. Assessing spatio-temporal changes of invasive *Limonium ramosissimum* in San Francisco Bay wetlands

*Tori Seher. December 2016. Understanding Breeding Success of Pigeon Guillemots (*Cephus columba*) in an Urban Environment

*Richard Chasey. May 2016. Southeast Farallon Island Seed Bank Characterization.

Anna Studwell. May 2016. Predicting Nonresident Seabird Foraging Habitat to Inform Conservation Planning

*Jamie Lee Hawk. May 2015. Classification, Vegetation-Environment Relationships, and Distribution of Plant Communities on Southeast Farallon Island, California

*Stefanie Auer. Jan 2015. Climate Change Exposure across the Mountain Goat Range: Metrics for Vulnerability Assessment

*Ryan Bey. May 2014. Large Woody Material Assessment for Salmon Restoration in Mill Creek Watershed, Sonoma County, California

Caitlin Jensen. 2014. Spatial and Temporal Variability in Shipping Traffic around San Francisco Bay.

*Michael Chasse. December 2013. San Francisco's Rare Endemic Manzanitas: Prospects for Recovery through Restoration.

*Caleb Feldman. May 2013. Grassroots Science: Power, Knowledge, and Participation in the San Francisco Bay.

*Paris Good Swan. Dec. 2012. A Spatial Analysis of Pitch Canker in Point Reyes National Seashore.

Andrea Dransfield. Fall 2012. Hotspot Analysis of Humpback Whales along Cordell Bank and Gulf of the Farallones, Central California.

Steven Rossi. April 2012. Transportation Noise, Noise Sensitivity and Individual's Sense of Being Away in a Wildland Area. Dept of Recreation, Parks and Tourism.

*Brian Harvey. May 2010. Post-Fire Vegetation Change and Stand Dynamics in a *Pinus Muricata* Forest.

*Guillermo Duran. May 2010. Assessing the Habitat Fragmentation of Socioeconomically Important Tree Species in Costa Rica.

*Noah Wasserman. July 2009. Vegetation Change Trends in Yosemite National Park over the Last Century (1903-2008).

- McCarthy, Briana. May 2009. Exploring Undergraduate Students' conceptions of Environmental Processes. Dept of Biology
- Stefanie Egan. May 2009. Participatory GIS for Biosphere Reserve Zone Designation. Turneffe Atoll, Belize.
- Dori Dick. Dec 2008. Relative Abundance and fine scale habitat use of dolphins at Turneffe Atoll, Belize.
- *Casey Cleve. August 2008. Using GIS to predict potential Sierra Nevada red fox habitat.
- *Seth Hiatt. August 2008. Habitat Distribution Modeling of *Arctostaphylos myrtifolia* in Amador County, CA.
- *Kate Anderson. Dec. 2007. *Lines in Time: A Historical Analysis of Property Boundaries in San Francisco: 1835-1920*
- *Anne Atkinson. August 2007. *A Natural and Cultural History of Maunaloa Bay, Hawaii.*
- Tami Turner. May 2007. *Environmental Management Program for a Real Winery in the Livermore Wine Country.* MBA Business
- *Miguel Fernandez. May 2007. *Assessing the Effects of Locality accuracy in predictive species distribution models: Implications for conservation practice.*
- *Melanie Vanderhoof, May 2007. *Predicting the Distribution of Perennial Pepperweed, *Lepidium latifolium*, in the San Francisco Bay Delta.*
- *Christiane Camp. June 2006. *Golden Gate Heights: A Biogeographic Land Use History.*
- *Anica Williams. Dec. 2005. The Effectiveness of Environmental Education in Increasing Environmental Literacy and Responsible Behavior.
- *Debra Dwyer. Dec. 2005. Integrating GIS/GPS to Manage Natural Resources in Local Environments: San Francisco Natural Areas
- Lynn Gassaway. May 2005. Department of Anthropology. Wuke and Huyu: Spatial Patterns of Anthropogenic Fire in Yosemite Valley.
- *Tiffany Meyer, January 2005. . *Distribution and Health of Ione Manzanita and Ione Buckwheat populations.*
- Suzanne Poloner. December 2004. Contextual Conservation: Antillean manatees of Turneffe Atoll, Belize.
- *Liz Proctor. May 2004. Reducing variation in georeferenced locality descriptions.
- *Alicia Mariscal. June 2003. The Environmental History if an Urban Wetland: Arrowhead Marsh in Oakland, California.
- *David Munro. Dec. 2003. Wetland Enhancement Plan for Pier 94, San Francisco, California.
- Ian Signer. May 2003. Diverse Land, Diverse Peoples: Exploring Native California Resource Management.
- *Suzy Jones. May 2003. *Current Uses of Lake Merced, San Francisco California.*
- *Craig Jung. April 2003. Managing the Mountain Bike at Mount Tamalpais.
- *Simon Hurd. February 2003. History of Fire Management at Sequoia and King Canyon National Parks.
- *David Freitag. May 1997. *Lost in the Fog: An Environmental History of Lake Merced.* April 2002.
- *Kathleen Marsh. April 2002 *Conservation Easement Language Analysis: Sonoma County Agricultural and Open Space District.*
- *Paul Pribor. March 2002. *Post Fire Succession in Bishop Pine Forest at Point Reyes National Seashore, California (1995-2001).*

- Autumn Garrett, Dept of Biology, Ecology and Systematics. February 2002. *Seed and seed bank ecology of a rare chaparral shrub: Ceanothus purpureus.* .
- *Nicolas Salcedo. November. 2001. *Salinity Effect on Waterfowl in a Wetland Restoration Project, San Francisco Bay.*
- *Hili Kilipovich. Feb. 2001. *Using Natural Areas in Urban Landscapes: Lake Merced Curriculum for High Schools.*
- *Juan Ochoa. February 2001. *Plant Diversity in Uncultivated Margins of Conventional and Organic Farms in Yolo County, California*
- Jancy Rickman, Dept of Biology, Ecology and Systematics. December 2000. *Distinguishing the Impacts of Urbanization from the impacts of Habitat Fragmentation on Native California Leaf Miners associated with Quercus agrifolia.*
- *Bonnie Sachs. July 2000. *San Bruno Mountain Community Resource Management Project.*
- Russell Roe. May 2000. *Mapping Successional stages of Baccharis pilularis with Landsat TM Imagery.*
- *David Hall. May 2000. *Urban Coyotes: Distribution, abundance and human Interactions, Marin Headlands.*
- Joseph Ingenito. May 1999. *The Reconstruction of a San Francisco Stream: Islais Creek.*
- *Sean Micallef. December 1998. *Grazing Effects on the Grassland Vegetation of Mount Diablo State Park.*
- *Cristina Grosso. Sept. 1998. *Mountain Lake: Urban Open Space for Recreational Activities and Native Habitat.*
- Sylvie Amezcua. May 1998. *A Gap Analysis of San Francisco Garter Snake Habitat in San Mateo County.*
- *Brown, Marti. Virtual Fieldtrips, the Internet and Geographic Education. March 1998
- *Karen Folger. May 1998. Post Fire Succession in the Inverness Ridge Bishop Pine Forest, Point Reyes National Seashore.
- *Phil Klasky. May 1997. An Extreme and Solemn Relationship: Native American Perspectives: Ward Valley Nuclear Dump.
- *Jodene Isaacs. May 1996. California's Rangeland Reference Areas: A Spatial Assessment.
- *Robert Evans. May 1996. Biogeographic Modeling of Habitat Indicators for the Presence of *Hesperolinon drymariodes*.
- *Nancy Clark. December 1995. *Ranchland Parcelization: A Profile of Land Use in Yuba County, California 1895-1995.*
- *Celeste Birkeland. December 1995. *Sacred Geography: Rock Sites in Northern and Central California.*
- *Kevin MacKay. November 1995. *Regional Conservation Planning for San Francisco Bay Salt Marshes: A Biogeographic Approach.*
- Robert Dull. August 1995. *Late Holocene Paleocology and Historic Grazing Impacts, Southern Sierra Nevada.*
- Robert McDonald. May 1995. *The City of San Mateo Reuse and Recycling Action Plan: A Case Study.* Master's in Public Administration.
- *Samanthe Kadar. March 1995 *A Geography of Landscapes in Central Sonoma County, California.*
- Nadine Golden. October 1994. *Organic Farms as Nodes of Wildlife Corridors, Fresno County, California.*
- *Lora Konde. September 1994. *Spatial Analysis of Successful Natural Blue Oak Regeneration: Priest Valley, California: A GIS Approach.*
- *Elizabeth. Vaughan. July 1994. *The Narmada Valley Development Project: Environmental and Social Issues of a Watershed Development Project in Central India.*

TRAINING/ CONTINUING EDUCATION

Workshop on Technology and Citizen Science. California Native Plant Society. Jan. 2013.
AT Summer Institute. SFSU Office of Academic Technology Summer 2011 and 2012.
Workshop on R Statistical programming. Sponsored by SFSU-ORSP. May 21, 2012.
Writing Successful Grant Proposals: Workshop SF State January 17-20, 2012
Research Methodology Rx: Writing Successful Grants II SF State. Nov 14, 2012
Carbon Footprinting Workshop: Sponsored by NetImpact Nov. 18, 2011
Ecology and Conservation of California's Coastal Prairie Workshop. Elkhorn Slough National Estuarine Research Reserve. Moss Landing, June, 25th 2009
ArcGIS II. Environmental Systems Research Institute, Inc. Redlands, CA. Sept. 2007, CSU Sacramento, Sacramento CA. Certificate of Course Completion
Introduction to ArcGIS I. from Environmental Systems Research Institute, Inc. Redlands, CA. Sept. 2007, CSU Sacramento, Sacramento CA. Certificate of Course Completion
Universal Design for Learning Modules I and II. San Francisco State University. Feb.2007 Certificate of Course Completion
Education Effectiveness Review Workshop. 82nd WASC Annual Meeting, "From Compliance to Commitment: The Inquiring Institution," April 11-14, 2006
Assessment Concepts and Strategies. Workshop. 82nd WASC Annual Meeting, "From Compliance to Commitment: The Inquiring Institution," April 11-14, 2006
How to Mediate Employee Conflict. 2005. Workshop. California State University. Sonoma State. January 2005.
Twenty-first Annual ESRI International User Conference. July 9-13, 2001. San Diego, California. Certificate of Course Completion: Arc View Training. Geographic Information Systems Software. Environmental Systems Research Institute, Inc. Redlands, CA. Sept. 1998.
Certificate of Course Completion: Arc View Programming with Avenues. Environmental Systems Research Institute, Inc. Redlands, CA. Sept. 1998
North American Dendroecological Field week. H.J. Andrews Experimental Forest, Oregon. July 25-August 2, 1997.
SFSU Defensive Drivers Training Certificate 1998, 2001, 2004, 2007, 2010, 2013
Curricu-Tech Showcase. San Francisco State University. Oct 24-25, 1997. Attended.
Virtual Geography Department Workshop. University of Texas, Austin. June 1-7, 1997.
Moving Courses onto the World Wide Web Workshop. Sponsored by Center for Enhancement of Teaching, SFSU. June 1996.
Hands on World Wide Web Workshop. Sponsored by the Association of American Geographers, Charlotte, N.C. April, 1996.

UNIVERSITY NON-TEACHING ACTIVITIES

Advising

Undergraduate Advisor for BA in Geography and Environment Department 2010-2016
Undergraduate Advisor in the ENVS Natural Resource Management B.S Degree Program 1999-2016

Graduate Coordinator: MA Geography Concentration in RMEP 1992-2004

Graduate Advisor Department of Geography: MA Geography Concentration in RMEP 1992-2008

Committee Service

Member of Academic Senate: 2008-2014, EXCOM member 2009-2011, 2012-13

Senate Committee Service: CRAC, APC

Member of the WASC Subcommittee on Changing Demographics: Faculty Demographic 2008-2011

Member of Post Promotion Increase Committee Department of Urban Studies and Planning. 2009

Member of Post Promotion Increase Committee Department of Sociology. 2009

Member of Social Justice and Equity Subcommittee for Strategic Planning and Assessment. Office of Academic Affairs 2005-2008.

Member of CSU Assessment Council 2005-2007

Member of Graduate Council 1994-2002

UAAC University Academic Assessment Advisory Committee. Academic Affairs representative 2005-2007; College of BSS representative. 2000-2004.

Academic Technology Planning Participant in focus group 10/28/02.

Panel Member Faculty Development Day: College of BSS; Structuring Internships and Service Learning 1/23/02

BSS Representative. Faculty Retreat Program and Planning Committee. 1996-97

Co-Chair of Committee to create an Interdisciplinary Environmental Studies Major. 1995-1999.

ENVS Program Committees

Member: Associated Faculty of the ENVS Program 2002-2016

Chair: Awards Committee 2006-2009, member 2006-2012

Chair: Hiring Committee 2001-2002

Chair: RTP Committee 2007-2011, 2002-03 (member 2003-04)

Member of Romberg Tiburon Center University Advisory Board 1999-2002

Forces of Nature Faculty Advisor to student group 1999-2005

Geography Department Committees

Chair of Retention and Tenure Committee: Dept. of Geography 2001-2003, 2008-10.

Geography Department Tenure and Promotion Committee 2011-2016

Geography Department Hiring Committee Member 1997-2016

Geography Department Graduate Committee Member 1992-2000, 2009-2016

Geography Department Curriculum Committee 1992-2000, 2003-2004, 2007-2016

Geography Department Techniques Committee Member 1992-2001, 2003-2004

Member of Post Promotion Increase Committee Department of Geography. 2009

Campus In Service Workshops/Presentations

Invited Speaker: "All about transferring to SF State". Sponsored by Undergraduate Admissions and Student Services. Oct 21, 2010

Invited Speaker. UIC; Symposium on Intellectual Economies: Interdisciplinary Responses to the CSU Budget Crisis. March 12, 2010

Invited Speaker. Geography colloquium. Biogeography of Tropical Rainforests. 10/10. Dept of Geography

Invited Speaker: ENVS colloquium. Tropical Rainforests of the World. 2/09. ENVS Program.

Invited Speaker: Workshop on Assessment Rubrics. Presented 8/08 at New Faculty Orientation. Center for Teaching and Faculty Development. SFSU

Invited Speaker: Workshop on Assessment Rubrics. Presented 11/06 for University faculty. Center for Teaching and Faculty Development. SFSU.

Invited Speaker. 1997. Geographic Resources and Virtual Field Trips on the WWW. Presentation at the Curricu-Tech Showcase. SFSU-Center for Enhancement in Teaching. October 24-25, 1997.

Invited Speaker: Using Feng Shui to enhance your space and life. Presentation to BSS College Staff. College of BSS.

SCIENTIFIC ADVISORY /CONSULTANT

Scientific Advisor

GGNRA Taskforce for Academic Internships, National Park Service. 2012-2016.

Scientific Advisory Board, Natural Resource Roundtable. City of San Francisco Department of Recreation and Parks, Significant Natural Areas (SNAs) 2008-2016.

Lake Merced Taskforce. City of San Francisco. SFSU representative 1998-2009 Co-Chair of Nature Subcommittee. 1999-2003.

Participant in Ione Plants Recovery Workshop for US Dept of Fish and Wildlife: 1/14/03

Panelist on "Community Conversations on Parks" aired on CityWatch Channel 26 in San Francisco.

Taped panel discussion on Lake Merced "The Storm beneath the Calm" show taped on 6/28/02, on aired 8/7/02, 8/17/02 and 8/28/02.

Green Ribbon Advisory Panel Member: San Francisco Significant Natural Areas. S.F. Dept of Recreation and Parks. 2002.

Representative to SFSU Committee on Lake Merced. 1999-2015.

Peer Reviewer.

NSF Reviewer for National Science Foundation: Geography and Spatial Sciences and former Geography and Regional Sciences Department.

Reviewer for U.S. Environmental Protection Agency, National Center for Environmental Research and Quality Assurance. Office of Research and Development. .

Peer Reviewer. *Environmental Studies and Sciences Journal*.

Peer Reviewer. *Association of Professional Geographers*.

Peer reviewer for *Geocarta International Journal*.

Peer reviewer for *Madrono*.

External Reviewer for Environmental Studies Program at San Jose State University. March 2001

Textbook reviewer: McGraw Hill, Brooks Cole Publishing. Textbooks in Environmental Science. Arnold Publishing, London. Reviewer for proposed Atlas of Deforestation.

Prentice Hall/Simon & Schuster. Reviewed text: *Analyzing Environmental Issues using Quantitative Methods and Critical Thinking*.

MEMBERSHIP/PARTICIPATION IN PROFESSIONAL SOCIETIES AND ORGANIZATIONS

Association of Environmental Professionals
Association of American Geographers
Biogeography Specialty Group of AAG
California Native Plant Society
California Botanical Society
California Invasive Plant Council
Ecological Society of America
Society for Conservation Biology