

## **Gretchen C. Coffman, PhD**

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### **EDUCATION**

#### **PhD, March 2007, University of California, Los Angeles, CA**

School of Public Health, Department of Environmental Health Sciences

Degree – Environmental Science

*Factors Influencing Invasion of Giant Reed (Arundo donax) in Riparian Ecosystems of Mediterranean-type Climate Regions*

#### **MA, August 1998, San Francisco State University, Biology Department, San Francisco, CA,**

Romberg Tiburon Center for Environmental Studies, Tiburon, CA

Degree – Ecology and Systematic Biology

*Natural and Restored Salt Marsh Soil Seed Banks in the San Francisco Bay*

#### **BA, May 1991, Colgate University, Hamilton, NY**

Major – Biology (emphasis on Ecology)

Minor – German

*State of the Black Forest Health in 1990*

#### **Spring 1990, Colgate University Study Group**

Albert-Ludwigs Universität, Freiburg, Germany

Thesis Research – The Forest Research Institute of Baden-Wuerttemberg

### **ACADEMIC EXPERIENCE**

#### **National University of Singapore**

Senior Lecturer, Department of Geography

2020 – Present

Bachelor of Environmental Studies, Associate Director

Jan 2021 – Present

#### **University of San Francisco, San Francisco**

Research Professor (Affiliate), Department of Environmental Science

2019 – 2020

Associate Professor, Department of Environmental Science

2017 – 2019

Assistant Professor, Department of Environmental Science

2011 – 2017

Adjunct Professor, Department of Environmental Science

2010 – 2011

#### **Marine Science Institute, University of California, Santa Barbara**

Riparian Invasion Research Lab, Ecological Research Collaborator

2010 – Present

Junior Research Scientist

2007 – 2010

#### **San Francisco State University, Romberg Tiburon Center for Environmental Studies**

Taught wetland ecology courses in the Wetland Science Series.

1996 – 2011

## TEACHING EXPERIENCE

NUS COURSE TITLE	SEMESTERS TAUGHT
GE5211: DYNAMIC ENVIRONMENTS**	20Sem1
GE4224: CONSERVATION (APPLIED) BIOGEOGRAPHY*	21Sem2, 22Sem2, 23Sem2, 24Sem2
GE3255: AQUATIC, RIPARIAN AND COASTAL SYSTEMS*	21Sem1, 22Sem1, 23Sem1, 24Sem1
GE2220: TERRESTRIAL AND COASTAL ENVIRONMENTS**	21Sem2
GE2101: METHODS AND PRACTICES IN GEOGRAPHY**	21Sem2, 22Sem2, 23Sem2, 24Sem2
GE1101: GEOGRAPHICAL JOURNEYS: EXPLORING**	21Sem1, 22Sem1, 22Sem2, 23Sem1, 23Sem2,
WORLD ENVIRONMENTS	24Sem2
ENV3102: FIELD COURSE IN ENVIRONMENTAL STUDIES*	Singapore Dec 2020, May 2021 & 2022

USF COURSE TITLE	SEMESTERS TAUGHT
ENVS 100: UNDERSTANDING OUR ENVIRONMENT LECTURE**	10F, 12F, 12S, 14S, 14F, 15S, 16F, 18F
ENVS 100: UNDERSTANDING OUR ENVIRONMENT LAB***	10F, 11F, 12F, 13F, 14F(2), 16F, 17F, 18S
ENVS 110: INTRO TO ENVIRONMENTAL SCIENCE LAB	11F
ENVS 210: ECOLOGY AND HUMAN IMPACTS LECTURE**	10S, 11S, 12S, 13S
ENVS 210: ECOLOGY AND HUMAN IMPACTS LAB***	10S(2), 11S(2), 12S(2), 13S(3), 14S, 15S, 16S(3)
ENVS 325: CALIFORNIA ECOSYSTEMS*	11F, 12F, 13F, 15F
ENVA 385: WILDERNESS IMMERSION: SIERRA TO THE SEA*	13SM
ENVS 390: FIELD BOTANY*	17S, 19S
ENVS 498: DIRECTED STUDY – ECOLOGY RESEARCH	12SM, 12F, 13S, 14S
ENVM 621: RESTORATION ECOLOGY	11F
ENVM 623: CALIFORNIA ECOSYSTEMS*	13F, 14F, 15F, 16F, 17F, 18F
ENVM 625: TROPICAL RESTORATION ECOLOGY*	16SM, 17SM, 18SM, 19SM
ENVM 629: WETLAND DELINEATION I*	13F, 14S, 15S, 16S, 17S, 18S, 19S
ENVM 630: WETLAND DELINEATION II*	14F, 15F, 16F, 17F, 18F
ENVM 680: FIELD BOTANY*	15S, 16S, 17S, 18S, 19S
ENVM 691: SCIENTIFIC ILLUSTRATION INDEPEND. STUDY	17S
ENVM 695: THESIS DESIGN	12F (2), 14S
ENVM 696: THESIS RESEARCH	13S, 13F, 14F
ENVM 697: THESIS COMPLETION	13S, 13F, 15S
ENVM 698: MASTER'S PROJECTS	14S, 17F, 18S, 18F, 19S

\* Classes I developed

\*\* Classes I revised

\*\*\* Faculty Lab Coordinator for 4 years

### PROFESSIONAL CLASSES

Romberg Tiburon Center for Environmental Studies, Wetland Science Series, San Francisco State University.

- **Lead Instructor – Basic Wetland Delineation, Spring 2007 - 2011**
- **Instructor – Wetland Restoration Ecology, Summer 2007 - 2011**
- **Instructor – Wetland Restoration Monitoring Techniques, Summer 2008 – 2011**
- **Instructor – Ecology of San Francisco Bay Marshes, Summer 1997 – 2000**

### GRADUATE SCHOOL TEACHING ASSISTANT POSITIONS AND RESEARCH MENTORING

**Research Mentor – Master's Degree Students**, UCLA Department of Environmental Health Science, Griffith University, Brisbane, Australia, and Hebrew University, Israel. Mentored two Master's student research projects. **2003 – 2006.**

**Mentor – Independent Research Student**, UCLA. Department of Geography. Mentored undergraduate student who conducted GIS research on historical extent of fire along the Santa Clara River and comparison of remote sensing methods for identification/mapping of invasive *Arundo donax*. **2005.**

**Mentor – CARE Bridge Summer Research Program**, UCLA. Mentored two community college students (East Los Angeles College and LA Pierce College) who assisted in my dissertation research. **1999 and 2004.**

## HONOURS

### NATIONAL UNIVERSITY OF SINGAPORE

Immersive Experiential Learning Bronze Winner, QS Reimagine Education Awards 2023, These awards celebrate and reward the world's most successful educational innovations enhancing student learning outcomes and employability. Received in Abu Dhabi in December 2023 for Exploring the World Beyond with 360imx VR Field Trips project.

Annual Digital Education Award, NUS University-level award, AY 2020 – 2021 (2022) and AY 2021 – 2022 (2023) The only faculty member in FASS who received this award in 2021.

Faculty Teaching Award, Faculty of Arts and Social Sciences (FASS), AY 2020 – 2021 (2021), AY 2021 – 2022 (2022), AY 2022 – 2023 (2023).

Roots to Reefs 360 film Select to be screened at the International Ocean Film Festival in San Francisco, 15-16 April, 2023.

NUS Module Design Institute, Selected member and completed 5-day course, July 2021.

### UNIVERSITY OF SAN FRANCISCO

Arthur Furst Award for Research, April 6, 2016 for conducting research for the betterment of humanity.

National Geographic Explorer, 2015, Restoration of Critically Endangered Swamp Cypress Trees of Laos.

National Park Service Harzog Award, Shark Stewards, 2017 worked as science advisor when awarded for outstanding volunteer service, Youth Award with the Aquatic Park Stewards Program

Volunteer of the Year, 2016 Shark Stewards, working on marine conservation outreach and citizen science projects with my USF graduate and undergraduate students.

### GRADUATE ACADEMIC

- Dissertation Year Fellowship, 2004-2005
- Society of Wetland Scientists Student Research Grant, 2004
- APRU International Doctoral Students Conference, August 9 – 13, 2004
- University and Departmental Fellowships and Research Travel Grants, 1998-2004
- Best Student Paper (1<sup>st</sup> place), 1<sup>st</sup> Annual CALFED Science Conference, October 3 – 5, 2000
- Stephen A. Vavra Research Fellowship, 2000-2001
- Stephen A. Vavra Travel Fellowship, 2000, for MEDECOS X International Conference, South Africa
- ARCS Foundation Scholarship, 1996 – 1997, Rhoda Goldman Memorial Scholarship from the Northern California Chapter of Achievement Rewards for College Scientists (ARCS) Foundation, Inc.
- Graduate Assistance in Areas of National Need (GAANN) Pre-Doctoral Fellowship, 1996 – 1997

## SERVICE TO PROFESSION, UNIVERSITY AND COMMUNITY

### Professional and Scholarly Service

2023	I developed and ran the VR 360 film program of the International Ocean Film Festival with 10 VR headsets from the NUS Central Library, showing three 360 ocean films with 5 volunteers.
2006 – present	Member of the International Ocean Film Festival Screening Committee, San Francisco. We meet twice a month from August until February each year to screen and select films.
2021	Invited lecture, American Cetacean Society of San Francisco on community-based mangrove restoration in SE Asia to Ocean health, July 2021.

- 2018 Presented lecture in the Compensatory Mitigation Webinar Series sponsored by the Associate of State Wetland Managers. August 29, 2018 (invited guest lecturer).
- 2017 – 2020 Editorial Board of *Environmental Science: Current Research* Journal.
- 2016 – 2020 Editorial Board of *Ecological Engineering* Journal.
- 1999 – Present Ecological restoration advisor and volunteer for Friends of the Santa Clara River, primarily helping to establish and manage the Hedrick Ranch Nature Area (220 acres).
- 2011 – 2015 Member of San Joaquin Invasive Species Experts Panel of scientists for The Nature Conservancy, San Joaquin River and Parkway Conservation Trust and River Partners.
- 2011 – 2012 San Francisco Estuary Invasive *Spartina* Removal Technical Advisory Committee Member.
- 2011 – 2012 Bay Area Early Detection Network (BAEDN). Researched and developed a field guide for 73 target invasive plant species in the San Francisco Bay Area. In fall 2010, I my student research group to work on this project, consisting of six USF undergraduate students and one of my SFSU wetland students, who designed the layout for the guidebook.

### **Ministry of Education, Singapore**

- 2024 – Present Member of the Lower Secondary Geography (LSG) Syllabus Development Committee.
- 2023 – 2024 NUS-MOE Humanities & Social Sciences Research Programme (HSSR). Mentored two A level students working on research and essays on the topic: Ecosystem Services of Wetlands (A-level syllabus topic 1.1.2 Environment and Resources – Why is the Environment Important?)
- January 2023-24 Interactive Seminar for Talent Development Programme – lectured on Environment and Sustainability, showed Roots to Reefs 360 film we produced in the Central Library’s 360imx to students, and invited founders from Green Loop Farms to lecture and work on a microgreen planting activity related to [30 x 30 Food Security](#).
- 2023 Completed three articles for the MOE Curriculum Planning and Development Division A level secondary curriculum: Ecosystem Services of Karst Landscapes
- 2022 & 2023 Judge for the Geography Challenge hosted at NUS Department of Geography with themes [Eco-Utopia Blueprints for our Green Futures](#) (2022) and [City in Nature: Connecting People Wildlife and Resources](#) (2023).
- 2020 Wrote article: Engaging students in community-based habitat restoration in SE Asia during Coronavirus Pandemic (Feature article). GEOBuzz. Geography Teachers Association of Singapore. pp. 4 – 8.

### **National University of Singapore**

- 2024 – present Member of Geography Department, University Research Committee, Educator Track Representative
- 2024 – present Associate Director of the Bachelors of Environmental Studies Program. Coordinator of the Internship Program. Helped establish a first-year student-faculty mentorship program.
- May – June 2024 Member of Search Committee for Director of the NUS MSc in Climate Change and Sustainability
- 2023 & 2024 Field Trip Leader for 10-day Field Experience in Sabah Malaysian Borneo for 16 students in 2023 and 15 students in 2024. Explored tropical ecosystems, participated in community-based habitat restoration for wildlife and learned about sustainability initiatives. Learning journeys and facilitated tours to conservation sites such as the Bornean Sun Bear Conservation Centre, Orangutan Rehabilitation Centre, Rainforest Discovery Centre and KOPEL Kinabatangan. Funded by NUS STEER and Southeast Asian Experiences, and the Singapore National Youth Council AEP.
- 2020 – 2023 Assistant Director of the Bachelors of Environmental Studies Program. Coordinator of the Internship Program. Helped establish a first-year student-faculty mentorship program. Helped organize the Groves mangroves clean up for International Coastal Clean-up Day.

- 2020 – Present Member of Geography Department, Undergraduate Studies Committee Member. Helped develop new Geography curriculum, specifically two modules that I taught, for the new College of Humanities and Sciences.
- 2020 – 2023 Member of Geography Department, Health and Safety Committee
- 2020 – Present Worked closely with Geography Society to publish an article on community-based restoration in SE Asia during the pandemic. Helped organize first three annual Tree Planting Days at the Singapore Botanical Gardens for Geography and BES students and helped them develop 2 other field trips during the pandemic.
- 2020 – Present NUS Tropical Environmental Change research group member and Ecology/Biogeography coordinator for this group.
- 2020 – 2022 Developed and implemented protocol for field-based learning, including virtual/hybrid field trips into blended learning classrooms during the pandemic for the Geography Department.

### **University of San Francisco Service**

- 2018 – 2019 Member of the Faculty Advisory Board on Internationalization (FABI), a university-service committee and part of the new Vice Provost office on Global and Experiential Education.
- 2018 – 2019 Selected participant in the one-year Ignatian Faculty Forum.
- 2017 – 2019 Mentored graduate students in oral presentations each year at the College of Arts and Sciences Creative Activity and Research Day (CARD).
- 2017 – 2018 Selected participant in one-year University-wide Community Engaged Learning and Teaching Fellowship.
- 2017 – 2018 Served on the Academic Program Review Committee for ENVS and MSEM.
- 2016 – 2017 Member of the Field Studies Faculty Learning Community for 2016-17 academic year.
- 2016 – 2019 Serve on the Environmental Studies Faculty Advisory Board.
- 2013 – 2020 Member of the Sustainability Task Force. Work closely with new Sustainability Coordinator with EcoRestoration Club events and Shark Film Night at USF.
- 2012 – 2020 Faculty Adviser, Helped Department of Environmental Science students to establish an Ecosystem Restoration Club (ERC).
- Spring 2015 Search Committee Member, Department of Biology, Ecology Term Position.
- Summer 2015 Search Committee Member, Facilities Department, Sustainability Coordinator.
- June 2015 Academic advising of 10 new first-year students in Environmental Studies Program and Environmental Science Department through Advisortrac.
- Summer 2014 CIT Summer Technology Intensive Training.
- 2011 – 2019 Academic advising - 30 undergraduate students in the Dept. of Environmental Science, 37 graduate master's projects, and four graduate thesis projects in MSEM.

### **Community Service and Outreach**

- 2023 – Present Sabah Restoration Network, 25-26, June 2023, I co-organised and co-convened the Resilience in Restoration Community-based Ecosystem Restoration Conference (CBER) with Forever Sabah Institute, at the Rainforest Discovery Centre in Sepilok, Sabah Malaysian Borneo. This was the first CBER Conference was envisioned as a core gathering that would bring together restoration practitioners from communities across Sabah in interface and dialogue with academia, government, civil society organisations, and students on the subject of ecosystem restoration. 60 participants from 19 organisations attended this conference.
- 2020 – Present Developed program and conducted annual monitoring in restored wetlands at the Singapore Botanic Gardens with more than 100 students in a long-term, longitudinal study. Trained 20 NUS research assistants and together we led in person and zoom blended learning trainings.
- 2019 – Present Science advisor for Roots to Reefs Community-based restoration project, Lombok, Indonesia. Worked with nonprofit SORCE to develop a community-based mangrove restoration program with graduate students. Helped bring novel funding to the community.

- 2015 – Present    Outreach to hundreds of villagers on importance of critically endangered Asian swamp cypress and wildlife in several remote villages of Laos using film, conservation related activities, and citizen science. Organized monthly zoom meetings during the pandemic.
- 2013 – 2021      Scientific Advisory Board for *Sharkstewards.org*, a nonprofit organization

## RESEARCH EXPERIENCE, PRINCIPAL INVESTIGATOR

**Conservation Education Reimagined using Virtual Reality 360 Field Trips, 2023 – Present**, Senior Lecturer, NUS. Our research team will direct and produce 8 short 360 films on tropical ecosystems found throughout Southeast Asia. This research aims to advance blended learning approaches with the integration of VR 360 film field trips into environmental and geographical course materials and enhance students' understanding of complex concepts. Experimenting with various types of ecosystems, viewing methods, and conservation storytelling methods we hope this study will serve as a global model for incorporating VR into higher education curriculum. Funded by NUS TEG and private donors.

**Roots to Reefs 360 Film and Educational Research, 2022 – 2023**, Senior Lecturer, NUS. Roots to Reefs 360 is a film we produced to use as a virtual field trip to Borneo in our 360imx theatre in the NUS Central Library as part of my GE3255 Aquatic, Riparian and Coastal Systems curriculum. This is a virtual journey exploring Borneo's aquatic ecosystems from small streams in the heart of Borneo through rivers, mangroves and coral reefs. You will discover the diversity of wildlife and the impacts of human activity, and learn how water shapes and connects these ecosystems as well as inspiring community-based restoration efforts in action, traveling from tropical rainforests to the Coral Triangle's reefs. Funded by NUS LIFT grant and private donors.

**Restoration of Critically Endangered Asian Swamp Cypress Trees of Laos, 2014 – Present**,

Associate and Assistant Professor, USF and Senior Lecturer, NUS. Funded by grants from the National Geographic Conservation Trust, Chicago Board of Trade, MBZ Species Conservation Fund, and USF Faculty Development Funding.

**Singapore Botanic Gardens (SBG) Wetland Restoration Monitoring Program, 2020 – Present**, Senior Lecturer,

NUS. Worked closely with SBG conservation staff collaborators and NUS graduate students to develop a wetland restoration monitoring program as part of a long-term, longitudinal study at Keppel Wetlands and EcoLake wetlands. Developed a hybrid in person/online training program for NUS undergraduate students. Funded by FASS Staff Research Support Scheme (2022), BES Programme, and private donors.

**Southeast Asia Community-based Restoration Monitoring Training Programme, 2015 – present**, Senior

Lecturer, NUS and Assistant and Associate Professor, USF. My research team collaborates with and supports the following communities and organization in their restoration monitoring programme training: APE Malaysia, KOPEL Kinabatangan, and Tropical Research and Conservation Centre (Sabah, Borneo); SORCE Lombok, Indonesia; and PDX Perlis (Malaysia). Funded by NUS UROPS/UROPES REx, NUS STEER and SEAE, and USF Arrupe Immersion Community-Engaged Learning Program.

**Santa Clara River Riparian Restoration Field Experiment, 2012 – 2020 (funded from 2015 – 2020)**, Associate and Assistant Professor, USF. Funded by Ventura County Watershed Protection District.

**Redwood Creek Riparian Revegetation Monitoring, 2011 – 2020**, Associate and Assistant Professor, USF.

Funded by USF working with National Park Service.

**Dune Scrub Restoration Ecology Research on Lone Mountain, San Francisco, 2010 – 2020**, Associate and Assistant Professor, USF.

**Prey Nup Mangroves Restoration Ecology Research, Cambodia, May 2013 – 2015**, Assistant Professor, USF.

**San Joaquin River Invasives Project, Central Valley, CA, 2012 – 2015**, Assistant Professor, USF. Worked on the experts' panel to review work completed by River Partners and The Nature Conservancy.

**Riparian Competition Field Experiment, 2002 – 2012**, Ecological researcher, UCSB funded by Santa Clara River Trustee Council, US Fish and Wildlife Service, and California Department of Fish and Game.

**Upper Fresno River Watershed Assessment, 2008-2010**, Ecological Researcher, WRA. Funded by a grant from the California Department of Water Resources (Calfed Watershed Program).

- Ventura County Historical Ecology Study, 2007 – 2010**, Ecological Researcher, UCSB. Funded by the California Coastal Conservancy.
- Wetland Creation for Wildlife in Laos, 2007 – 2010**, Ecological Researcher, UCSB. Funded by World Bank.
- Invasive Plant Species Control Program, Laos, SE Asia, 2007 – 2009**, Ecological Researcher, UCSB. Funded by World Bank.
- Global Comparison of Methane Emissions and Carbon Sequestration from Tropical and Temperate Wetlands: Implications for Climate Change and Wetland Conservation, 2007 – 2009**, Ecological Researcher, Ohio State University.

## SELECTED PUBLICATIONS

- Ren, J.W.F. and **Coffman, G.C.** 2023. Integrating the resilience concept into ecosystem restoration. *Restor Ecol*, 31: e13907. <https://doi.org/10.1111/rec.13907>
- Coffman, G.C.** 2023. Karst Landscapes in Asia. *Geography Digest: Articles written by and for Geographers*. MOE Curriculum Planning and Development Division, Issue 2: Article 1, pp. 1-8.
- Coffman, G.C.** 2023. Karst Ecosystem Services in Asia. *Geography Digest: Articles written by and for Geographers*. MOE Curriculum Planning and Development Division, Issue 2: Article 2, pp. 1-10.
- Coffman, G.C.** 2023. Protecting Karst Landscapes in Asia. *Geography Digest: Articles written by and for Geographers*. MOE Curriculum Planning and Development Division, Issue 2: Article 3, pp. 1-5.
- Coffman, G.C.**, Kwek L.B.L. & Muhammad Khairul Fikri B.S. 2022. Biodiversity Record: Sunda pangolin at the Botanic Gardens. *Nature in Singapore*, 15: e2022134. DOI: 10.26107/NIS-2022-0134
- Coffman, G.C.** 2021. Discovering the Majestic Mai Hing Sam of Laos. *Arnoldia*. Volume 78(3): 18 – 27. <https://arboretum.harvard.edu/stories/discovering-the-majestic-mai-hing-sam-of-laos/>
- Coffman, G.C.** 2021. From Roots to Reefs: Community-based ecosystem restoration around Southeast Asia during Covid-19. *Geosphere: The Space Between*. pp. 23 – 27.
- Coffman, G.C.** 2020. Engaging students in community-based habitat restoration in SE Asia during Coronavirus Pandemic (Feature article). *GEOBuzz*. Geography Teachers Association of Singapore. pp. 4 – 8.
- Coffman, G.C.** 2020. Hedrick Ranch Nature Area Management Plan 2020: 20 Years Update. 6 September, 2021. 48 pages plus appendices and electronic drone footage.
- Coffman, G.C.** 2020. Riparian Revegetation Experiment Final 5 Year Report for the Santa Clara River Upstream of Balcom Canyon Wash Habitat Restoration Project. Prepared for Marine Science Institute University of California, Santa Barbara. August 2020.
- Wu, X., M. Ruhsam, Y. Wen, P. I. Thomas, J. Worth, X. Lin, X. Li, M. Wang, L. Chen, V. Lamxay, N. Le Canh, and **G. Coffman**. 2019. The last primary forests of the Tertiary relict *Glyptostrobus pensilis* harbor the highest genetic diversity. *Forestry*. 00:1–17 doi:10.1093/forestry/cpz063
- Coffman, G.C.** 2019 (and 2007). Giant reed (*Arundo donax*): Streams and water resources. In, S.W. Trimble, (ed). *Encyclopedia of Environmental Management. Managing Water Resources and Hydrological Systems*, Volume 4, CRC Press. Taylor & Francis.
- Markley, J., B. Piontek and **G. Coffman**. 2019. Herbivory and soil properties as ecological constraints to willow growth in a restored riparian ecosystem in Coastal California. *Journal of Environmental Science: Current Research* 2:3-11
- Hunter, R., J. Callaway, A. Rayburn, and **G.C. Coffman**. 2016. Tarping and inundation as potential control mechanisms for seed banks of Red Sesbania (*Sesbania punicea*). *Invasive Plant Science and Management* 9:261-271.
- Orr, B. K., Z. E. Diggory, **G. C. Coffman**, W. A. Sears, T. L. Dudley, and A. G. Merrill. 2011. Riparian vegetation classification and mapping: Important tools for large-scale river corridor restoration in a semi-arid landscape. Pages 212-232 in J. W. Willoughby, B. K. Orr, K. A. Schierenbeck and N. Jensen, editor. *Proceedings of the CNPS Conservation Conference: Strategies and Solutions*. 17-19 January 2009. CNPS, Sacramento, California.

- Coffman, G. C.** & R. F. Ambrose. 2011. *Santa Clara River Riparian Revegetation and Monitoring Handbook*. Santa Clara River Trustee Council, US Fish and Wildlife Service, and California Department of Fish and Game. July 15, 2011.
- Beller, E.E., R.M. Grossinger, M.N. Salomon, S. Dark, E. Stein, B. Orr, P. Downs, T. Longcore, **G.C. Coffman**, A.A. Whipple, R.A. Askevold, B. Stanford, & J. Beagle. 2011. *Historical ecology of the lower Santa Clara River, Ventura River and Oxnard Plain: An analysis of terrestrial, riverine, and coastal habitats*. Prepared for the State Coastal Conservancy. *A Report of SFEI's Historical Ecology Program*. SFEI Publication #641, San Francisco Estuary Institute, Oakland, CA. August 2011. 273pp.
- Coffman, G.C.**, R.F. Ambrose, and P.W. Rundel. 2010. Wildfire promotes giant reed (*Arundo donax*) invasion in riparian ecosystems. *Biological Invasions*. 12:2723-2734.
- Coffman, G.C.** March 2007. Factors influencing invasion of giant reed (*Arundo donax*) in Riparian Ecosystems of Mediterranean-type climate Regions. Dissertation. UCLA
- Coffman, G.C.**, T. Dudley, P.W. Rundel, and R.F. Ambrose. 2005. Are we creating the ideal conditions for *Arundo donax* invasion in California? In G. Skurka, (ed.). *Proceedings of the California Invasive Plant Council Symposium*. 9:9
- Coffman, G.C.**, R.F. Ambrose, and P.W. Rundel. 2004. Invasion of *Arundo donax* in river ecosystems of mediterranean climates: Causes, impacts and management strategies. *Proceedings of the 10<sup>th</sup> Medecos International Conference, Rhodes, Greece*. Millpress Science Publishers, Netherlands and In, C. Piroosko, (ed.). *Proceedings of the California Invasive Plant Council Symposium*. 8:15
- Coffman, G.C.**, and R. Knight. 2004. Giant reed eradication project would provide economic benefits to impoverished communities (South Africa). *Ecological Restoration*. 22(2):146-7
- Coffman, G.C.** 2004. Invasion of *Arundo donax* in riparian ecosystems of Mediterranean-type climates:
- Coffman, G.C.** & J. Zentner. 1999. Shifts in distribution of rough cocklebur (*Xanthium strumarium*) after a riparian restoration (Green Valley Creek, California). *Ecological Restoration* 17(4):241
- Coffman, G.C.** 1998. Natural and restored salt marsh soil seed banks in San Francisco Bay. M.A. Thesis, SFSU.
- Coffman, G.** 1998. The soil seed bank of restored and historic salt marshes in San Francisco Bay, California: A comparative study. *Proceedings of the VII International Congress of Ecology*, held July 19-25, 1998 in Florence, Italy, A. Farina, J. Kennedy and V. Bossu, Editors, Florence, Italy.
- Gibb, D.M. and **G.C. Coffman**. 1993. Soil saturation determination for wetland mitigation monitoring using "rusty rods" - a case study. *Georgia Water Resources Conference Proceedings*. University of Georgia, Athens, Georgia.