

CURRICULUM VITAE

Karl W. Flessa

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Personal Data

Place of Birth: Nürnberg, Germany
Citizenship: U.S.A. (since 1949)

Education and Degrees

Ph.D., Geological Sciences, 1973. Brown University, Providence, Rhode Island
A.B., Geology, 1968. Lafayette College, Easton, Pennsylvania

Principal Administrative Appointments

Chief Scientist, Minute 323 Monitoring Science Team, Colorado River Delta, 2018-present
Co-Chief Scientist, Minute 319 Monitoring Plan for the Colorado River Delta, 2014-2017
Founding Director, School of Earth and Environmental Sciences, University of Arizona, 2009-2013
Head, Department of Geosciences, University of Arizona, 2007 - 2012
Project Director, Research Coordination Network: Colorado River Delta, 2005-2013
Head, Department of Ecology and Evolutionary Biology, University of Arizona, 1997-1999
Project Director, Research Training Group: Analysis of Biological Diversification, 1992-1994
Program Director, National Science Foundation, 1988-1990
Director, University of Arizona Geology Field Camp; 1983, 1985-1988

Academic Appointments

Professor Emeritus of Geosciences, University of Arizona, 2019-present
Professor of Geosciences, University of Arizona, 1987-present
Professor of Ecology & Evolutionary Biology, University of Arizona, 1997-present
Visiting Professor, University of Vienna, April 2016
Distinguished Visiting Scientist, CSIRO Ecosystem Sciences, Brisbane, QLD, Australia, 2013-2014
Core Faculty, Shoals Marine Laboratory, Cornell University, 2007-2009
Fellow, Udall Center for Studies in Public Policy, 2002-2003
Visiting Scientist, Sonoran Institute, Tucson, AZ, 2007
Mary K. Upson Visiting Professor, Department of Earth & Atmospheric Sciences, Cornell University, 2006
Visiting Professor, Facultad de Ciencias Marinas, Universidad Autónoma de Baja California, Ensenada, México, 1999
Research Associate, Smithsonian Institution, 1988-1991
Associate Professor, University of Arizona; 1981-1987
Humboldt Fellow, Universität Tübingen, Germany, and University of Birmingham, U.K.; 1983-1984

Research Associate, Arizona-Sonora Desert Museum; 1978-present
Assistant Professor, University of Arizona; 1977-1981
Assistant Professor, State University of New York at Stony Brook; 1972-1977
Senior Assistant, Marine Biological Laboratory; 6/72-8/72
Lecturer, Case Western Reserve University; 1/71-6/71

Research Interests

Current research interests focus on 1) environmental effects of water diversions; 2) the environmental history and conservation biology of the Colorado River Delta; 3) historical ecology; 4) environmental science and policy

Teaching Activity

Paleontology; Conservation Paleobiology; Marine Conservation Biology; Oceanography; Paleoecology; Biogeography; Field Geology; Macroevolution; The Creation-Evolution Controversy; Proposal-Writing Workshop; Extinction; Historical Geology; Dinosaurs.

Professional Affiliations

American Association for the Advancement of Science (Fellow), American Geophysical Union, Coastal and Estuarine Research Federation, Geological Society of America (Fellow), National Center for Science Education, Paleontological Society (Fellow), Ecological Society of America, S.E.P.M. (Society for Sedimentary Geology), Society for Conservation Biology.

Grant and Contract Funding, 2000 - present

University of Arizona Minute 323 Monitoring Plan for the Colorado River Delta
Karl W. Flessa, P.I.
International Boundary and Water Commission. Approx. \$900,000, 2018-present
Bridges to Doctorate: WAESO LSAMP, Self Efficacy and Academic Community for
Underrepresented Minority Student Success
Karl W. Flessa, Co-P.I. (A. Garcia, ASU, P.I.; J. Field, UA, Co-P.I.)
National Science Foundation, \$1,075,000, 2016-2020
University of Arizona Minute 319 Monitoring Plan
Karl W. Flessa, P.I.
International Boundary and Water Commission. Approx. \$950,000, 2014-2018
Pathways into Geosciences at the University of Arizona
Karl W. Flessa, P.I.
National Science Foundation, \$288,405, 2015-2018
Distinguished Visiting Scientist. Top-down and bottom-up science integration in water resource policy
and management in the Murray-Darling and Colorado River Basins
Karl W. Flessa and Rosalind Bark
CSIRO (Commonwealth Scientific and Industrial Organisation), AU\$30,000, 2013-2014
Exploring the Sky Islands: Basin and Range in the Desert Southwest
Karl W. Flessa, P.I. and Jennifer Fields, Co-PI
National Science Foundation, \$149,048, 2010-2014
Research Coordination Network for the Colorado River Delta
Karl W. Flessa, P.I.
National Science Foundation, \$500,000, 2005-2013.
Southern Arizona Geosciences Union for Academics, Research and Outreach
Karl Flessa, P.I.
National Science Foundation, \$155,000, 2009-2013.

Enhancing Trans-border Ecosystem Services through Active Management: The Ciénega de Santa
 Karl W. Flessa and Laura Lopez-Hoffman, P.I.s. University of Arizona Water, Environment, and
 Energy Solutions (WEES) and Central Arizona Project., \$40,000, 2011- 2013

International Workshop on Paired and Shared Drylands: U.S. and Mexico
 Charles Hutchinson, Karl W. Flessa, Travis Huxman and Laura Lopez-Hoffman, P.I.s
 National Science Foundation, \$39,791, 2011-2013

Monitoring program for the Ciénega de Santa Clara
 Karl W. Flessa, P.I.
 Central Arizona Water Conservation District, \$350,000, 2009-2012

Yuma Desalting Operations, Water Quality and Vegetation Distribution in the Ciénega de Santa Clara,
 Karl W. Flessa, P.I.
 University of Arizona Water Sustainability Program and Central Arizona Project, \$42,000,
 2008-2009

Community-based restoration and monitoring of the Colorado River estuary, Mexico
 Karl W. Flessa, P.I.
 The Christensen Fund, \$50,000, 2008-2010.

Water Quality Monitoring Program for the Ciénega de Santa Clara
 Karl W. Flessa, Jaqueline García-Hernández and Osvel Hinojosa-Huerta, P.I.s
 Central Arizona Project, \$80,000. 2006-2007

Mary K. Upson Visiting Professorship
 Karl W. Flessa
 College of Engineering, Cornell University, \$50,000, 2006-2007

ITR: Collaborative Research: GEON—A research project to create cyberinfrastructure for the
 geosciences
 A. Krishna Sinha and Chaitan Baru, Principal Investigators; many co-PIs
 Karl W. Flessa, Co-Principal Investigator
 National Science Foundation, \$4M (University of Arizona portion = \$400,000), 2002-2007

Conservation paleobiology
 Karl W. Flessa, Principal Investigator
 National Science Foundation, \$240,000; 2002-2006

Increasing minority Ph.D. students in Geosciences at the University of Arizona (renewal)
 Karl W. Flessa, Principal Investigator
 Alfred P. Sloan Foundation, ~\$90,000; 2001-2005

Professional Activities

Advisory Group, Research Coordination Network for Conservation Paleobiology, 2019-present
 Chief Scientist, Minute 323 Monitoring Science Team, Colorado River Delta, 2018-present
 Environmental Work Group for the Colorado Delta. International Boundary and Water Commission, 2017-
 present

Co-Chief Scientist, Minute 319 Colorado River Delta Monitoring Plan, 2014-2018
 Experts' Working Group, Minute 319 flows to the Colorado Delta. 2013-2016.
 Founding member, Colorado River Research Group <http://www.coloradoriverresearchgroup.org/> 2014-present
 Participant, Iranian Wetlands of International Importance. Workshop organized by the U.S., French and
 Iranian National Academies of Science, 2013.

Conservation Paleobiology Workshop Steering Committee, National Science Foundation. 2011-2012.
http://conservationpaleobiology.org/files/CP_Workshop_Report_Oct_2012.pdf

Co-convener, 2009 Paleontological Society Short Course: Conservation Paleobiology.
 Board of Trustees, Paleontological Research Institution, Ithaca, NY. 2008-2015
 Editorial Board, *Paläontologische Zeitschrift*, 2005-2008.
 Associate editor, *Palaios*, 2002 – 2011
 Chair, National Research Council Committee on the Geologic Record of Biosphere Dynamics – a key to
 understanding the biotic effects of future environmental change. 2002-2005.

Wissenschaftlicher Beirat, Forschungsinstitut Senckenberg, (External scientific advisory council of the Senckenberg Museum, Frankfurt am Main, Germany) 1999-2004.
Editorial Board, *Geology*, 1995-2000, 2002-2004
Co-convener, 2003 Geological Society of America Topical Session: Geologic Record of Biosphere Dynamics – a key to understanding the biotic effects of future environmental change.
Convener, NSF-sponsored workshop “Geobiology and the Earth Sciences in the Next Decade”, Washington, D.C., March, 1999
Past-President, President, President-elect, The Paleontological Society, 1996-2000
Committee of Visitors, Division of Earth Sciences, National Science Foundation, 1996
Co-editor, *Historical Biology*—an international journal of paleobiology, 1988-1993
Special Editor, *Evolution*, 1988-1994
Member, National Association of Geology Teachers-U.S.G.S. Cooperative Summer Field Training Program, 1988-1993
Associate Editor, *Paleobiology*, 1980-1989
Co-chair, Technical Services, 1987 Geological Society of America Annual Meeting, Phoenix, Arizona
Field Trip Leader, "Paleoecology and Taphonomy of Recent to Pleistocene Intertidal Deposits, Gulf of California", 1987 GSA Meeting, Phoenix
Co-convener, 1986 North American Paleontological Convention Symposium: Biogeography of Extinction
Co-convener, 1985 Paleontological Society Symposium: Evolutionary Paleobiogeography: Biogeographic Pattern and Evolutionary Process

Departmental Service

I served as the Head of the Department of Geosciences from 2007 to 2012. The Department has 30 faculty, 23 researchers/post-docs, 76 graduate students, 123 undergraduate majors, 23 staff and an annual budget (state funds plus external funds) of \$8M. The Department ranks first in the most recent U.S. News and World Report ratings of graduate programs in geology and seventh in the earth sciences.

I served as the founding director of the School of Earth and Environmental Sciences (2009-2013), a federation of four academic departments (Atmospheric Sciences, Geosciences, Hydrology and Water Resources, Soil, Water and Environmental Science) and two research laboratories (Tree-Ring Research, Accelerator Mass Spectrometry). The School has 86 faculty, 210 graduate students, 230 undergraduate majors and more than \$17 million annually in external funding. We are ranked #2 nationally in funding from NSF's Division of Earth Sciences. The School coordinates undergraduate instruction, business services, IT support, facilitates interdisciplinary research and education and plans strategic hiring.

I served as Head of the Department of Ecology and Evolutionary Biology from 1997-1999. The Department had a faculty of 22, 12 postdocs/researchers, 60 graduate students, 800 undergraduate majors, and a staff of 15.

Departmental service in Geosciences has included participation in the following committees: graduate admissions, building design, computer services, promotion and tenure, faculty performance evaluation, and many faculty search committees. I served as chair of the faculty performance evaluation committee, four faculty search committees and currently chair the Performance Evaluation Committee and serve on the Admissions Committee and the Chair's Advisory Committee. In 1991, I was the coordinating editor for the Department's ten-year academic program review.

University Service

Co-chair, working group on non-tenure-track faculty, 2011-2012
Member, Heads' Up Committee, 2011-2012

Departmental Representative, Arizona Water Institute, 2006-2009
 External Review Team, School of Natural Resources, 2003; Laboratory of Tree-Ring-Research, 2007
 Project Director and Executive Committee, Research Training Group: Analysis of Biological
 Diversification (a 5-department, NSF-funded, graduate and postdoctoral program) (1992-1994)
 Representative, Graduate Council (represents Graduate College at Ph.D. orals and defenses) (1990-1998)
 Chair, Task Force on Graduate Teaching Assistant Training and Evaluation (1987-1988)
 Member, El Coronado Ranch Advisory Committee (1983-1988)
 University representative, Centro Intercultural de Estudios de Desiertos y Oceanos (1992-2002)
 Academic Assessment Team, Program for the Assessment of Institutional Priorities (PAIP) (1993)

Honors and Awards

Fellow, American Association for the Advancement of Science, 2019
 U.S. Department of the Interior, Partner in Conservation Award, 2014 (Award to the University of
 Arizona for Colorado Delta research contributing to addition to US-Mexico Water Treaty)
 Geosciences Advisory Board Outstanding Faculty Award, 2013
 Centennial Fellow, The Paleontological Society, 2009
 Faculty of Science Award for Creative Teaching, 1988

Graduate students, post-doctoral students and visiting scientists to date

M.S.	Ph.D.	
Teresa Bone	Guillermo Avila	Laura Lopez-Hoffman (post-doc)
Timothy Brown	Carlos Cintra-Buenrostro	Peter Holterhoff (post-doc)
Patricia Hartshorne	Alan Cutler	Michal Kowalewski (post-doc)
Gretchen Hoffman	David Goodwin	Peter Roopnarine (post-doc)
Pennie Liebig	Michal Kowalewski	Marcello Simoes (visiting scientist)
Anthony Murer	Keith Meldahl	Bernd Schöne (post-doc)
J. Lynn Myrick	Charlotte Otts	Dale Springer (visiting scientist)
Richard Norris	Kirsten Rowell	Sally Walker (research scientist)
Olivia Perez	Dena Smith	Allister Rees (research scientist)
Glenn Richard	Phillip Stokes	Francisco Zamora (senior research specialist)
Carlie Rodriguez	Hector Zamora	Leigh Fall (post-doc)
Carmen Rosales		Troy Dexter (post-doc)
Nancy Schmidt		Yamilett Carrillo (post-doc)
Susan Sindlinger		Jorge Ramirez (visiting scientist)
Ta-Shana Taylor	Post-docs & Visiting Scientists	Martha Gomez-Sapiens (post-doc, current)
Mary Watson	John Alroy (post-doc)	
Robert Dietz	Sean Connally (post-doc)	
Hector Zamora	Franz Fürsich (visiting scientist)	

PUBLICATIONS

Edited Books

Dietl, G.P. and Flessa, K.W., eds, 2017. Conservation Paleobiology: Science and Practice.
 University of Chicago Press.
 López-Hoffman, L., McGovern, E.D., Varady, R.G. and Flessa, K.W., eds., 2009. Conservation of
 shared environments: Learning from the United States and Mexico. University of Arizona Press,
 Tucson. 320 p.
 Dietl, G.P. and Flessa, K.W., eds., 2009. Conservation paleobiology. Using the past to manage for the
 future. The Paleontological Society Papers. Vol. 15. The Paleontological Society, New Haven, CT.,
 285 p.

- Peters, E., Campoy-Favela, J., and Flessa, K., eds., 2009. Ciénega de Santa Clara Programa Integral de Monitoreo. Publicación especial del Instituto Nacional de Ecología, México. México, D.F., 26 p.
- National Research Council, (Flessa, K.W., Jackson, S.T., Aber, J.D., Arthur, M.A., Crane, P.R., Erwin, D.H., Graham, R.W., Jackson, J.B.C., Kidwell, S.M., Maples, C.G., Peterson, C.H., and Reichman, O.J.), 2005. The geological record of biosphere dynamics. Understanding the biotic effects of future environmental change. The National Academies Press, 200 p.
- Fürsich, F.T., and Flessa, K.W., eds., 1991. Ecology, taphonomy, and paleoecology of Recent and Pleistocene molluscan fauna of Bahía la Choya, northern Gulf of California. *Zitteliana* 18: 1-180.
- Flessa, K.W., ed., 1987. Paleoecology and taphonomy of Recent to Pleistocene intertidal deposits, Gulf of California. Paleontological Society Special Publication 2, 237 p.

Edited special volume

- Glenn, E., Flessa, K., Kendy, E., Shafroth, P.B., Ramirez-Hernandez, J., Gomez-Sapiens, M. and Nagler, P., eds. 2017. Environmental Flows for the Colorado River Delta: Results of an Experimental Pulse Release from the U.S. to Mexico. 2017. Environmental Engineering Vol. 106B

Journals

- Gómez-Sapiens, M.M., Jarchow, C.J., Flessa, K.W., Shafroth, P.B., Glenn, E.P., and Nagler, P.L., 2020. Effect of an environmental flow on vegetation growth and health using ground and remote sensing metrics. *Hydrological Processes*. 34: 1682-1696. <https://doi.org/10.1002/hyp.13689>
- Nelson, S.M., Kendy, E., Flessa, K.W., Rodríguez-Burgueño, J.E., Ramírez-Hernández, J., Rivas-Salcedo, T.E., 2020. Channel incision by headcut migration: Reconnection of the Colorado River to its estuary and the Gulf of California during the floods of 1979–1988. *Hydrological Processes*. 34: 4156– 4174. <https://doi.org/10.1002/hyp.13858>
- Wilder, M.O., Varady, R.G., Gerlak, A.K., Mumme, S.P., Flessa, K.W., Zuniga-Teran, A.A., Scott, C.A., Pineda Pablos, N. and Sharon B. Megdal, S.B., 2020. Hydrodiplomacy and adaptive governance at the U.S.-Mexico border: 75 years of tradition and innovation in transboundary water management. *Environmental Science & Policy*, 112: 89-202. <https://doi.org/10.1016/j.envsci.2020.05.013>.
- Zamora, H.A., Eastoe, C.J., Wilder, B.T., McIntosh, J.C., Meixner, T. and Flessa, K.W. 2020. Groundwater isotopes in the Sonoyta River watershed, USA-Mexico: Implications for recharge sources and management of the Quitobaquito Springs. *Water* 12, 3307. <https://doi.org/10.3390/w12123307>
- Flessa, K.W., Calderon-Aguilera, L., Cintra-Buenrostro, C.E. Dettman, D.L., Dietl, G.P., Goodwin, D.H., Jacobs, D.K., Kowalewski, M., Nelson, S.M., Rowell, K., Schöne, B.R., Smith, J.A., and Zamora-Arroyo, F., 2019. Vaquita face extinction from bycatch. Comment on Manjarrez-Bringas, N. et al., Lessons for sustainable development: Marine mammal conservation policies and its social and economic effects. *Sustainability*, 11, 2161. <https://doi.org/10.3390/su11072161>
- Flessa, K.W., Calderon-Aguilera, L., Cintra-Buenrostro, C.E. Dettman, D.L., Dietl, G.P., Goodwin, D.H., Jacobs, D.K., Kowalewski, M., Nelson, S.M., Rowell, K., Schöne, B.R., Smith, J.A., and Zamora-Arroyo, F., 2019. “Comment on Rojas-Bracho and Colleagues (2019): Unsubstantiated Claims Can Lead to Tragic Conservation Outcomes.” *BioScience* 69 (5): 321–22. <https://doi.org/10.1093/biosci/biz021>.
- Zamora, H.A., Wilder, B.T., Eastoe, C.J., McIntosh, J.C., Welker, J. and Flessa, K.W. 2019. Evaluation of groundwater sources, flow paths, and residence time of the Gran Desierto pozos, Sonora, Mexico. *Geosciences*. 9 378. <https://doi.org/10.3390/geosciences9090378>
- Dietl, G., and Flessa, K.W., 2018. Should conservation paleobiologists save the world on their own time? In Schneider, C.L., and Tyler, C.A., eds., *Special Topics in Paleobiology: Conservation Paleobiology*. Springer.
- Bark, R.H., Robinson, C.J., Jackson, S.E. and Flessa, K.W., 2017. The co-construction of environmental (instream) flows and associated cultural ecosystem benefits. Pp. 131-144 in: Schandl, H. and Walker, I., eds. *Social Science and Sustainability*. CSIRO Publishing, Clayton South. Victoria, Australia.

- Bianchi, T., Butman, D., Raymond, P., Ward, N., Kates, R., Flessa, K.W., Zamora, H., Arellano, A., Ramirez-Hernandez, J., and Rodriguez, E., 2017. The experimental flow to the Colorado River Delta: Effects on carbon mobilization in a dry watercourse. *Journal of Geophysical Research Biogeosciences* 122: 607-627.
- Boyer, A.G., Brenner, M., Burney, D.A., Pandolfi, J.M., Savarese, M., Dietl, G.P. and Flessa, K.W., 2017. Conservation paleobiology roundtable: From promise to application. Pp. 291-302. In: Dietl, G.P. and Flessa, K.W., eds, 2017 (in press). *Conservation Paleobiology: Science and Practice*. University of Chicago Press.
- Kendy, E., Flessa, K.W., Schlatter, K.J., de la Parra, C.A., Hinojosa-Huerta, O.M., Carrillo-Guerrero, Y.K. and Guillen, E., 2017. Leveraging environmental flows to reform water management policy: Lessons learned from the 2014 Colorado River delta pulse flow. *Ecological Engineering*. 106B: 683-694.
- Pitt, J., Kendy, E., Schlatter, K., Hinojosa-Huerta, O., Flessa, K., Shafroth, P.B., Ramirez-Hernandez, J., Nagler, P., and Glenn, E.P., 2017. It takes more than water: Restoring the Colorado River delta. *Ecological Engineering* 106B: 629-632
- Shafroth, P.B., Schlatter, K.J., Gomez-Sapiens, M., Lundgren, E., Grabau, M.R., Ramirez-Hernandez, J., Rodriguez-Burgeno, J.E., and Flessa, K.W., 2017. A large-scale environmental flow experiment for riparian restoration in the Colorado River delta. *Environmental Engineering*. 106B: 645-660.
- Bark, R.H., Robinson, J. and Flessa, K.W., 2016. Tracking cultural ecosystem services: water chasing the Colorado River restoration pulse flow. *Ecological Economics* 127: 165-172.
- Smith, J.A., Auerbach, D.A., Flessa, K.W., Flecker, A.S. and Dietl, G.A., 2016. Fossil clam shells reveal unintended carbon cycling consequences of Colorado River management. *Royal Society Open Science* 3:160170 <http://dx.doi.org/10.1098/rsos.160170>
- Dietl, G.P., Kidwell, S.M., Brenner, M., Burney, D.A., Flessa, K.W., Jackson, S.T. and Koch, P.L., 2015. Conservation Paleobiology: Leveraging knowledge of the past to inform conservation and restoration. *Annual Reviews of Earth and Planetary Sciences* 43:79-103.
- Lomeli, M., Ramirez-Hernandez, J., Glenn, E.P., Zamora-Arroyo, F. and Flessa, K.W. 2015. Monthly water balance of an iconic coastal desert wetland under reduced flows and increased salinities: Implications for management. *Wetlands* 35: 783-793.
- Stokes, P.J., Levine, R. and Flessa, K.W. 2015. Choosing the geoscience major: Important factors, race, ethnicity and gender. *Journal of Geoscience Education* 63: 250-263.
- Bark, E., Frisvold, G. and Flessa, K.W., 2014. The role of economics in transboundary restoration water management in the Colorado River Delta. *Water Resources and Economics* 8: 43-56.
- Flessa, K.W., 2014. Research networks and large-landscape conservation and restoration: the case of the Colorado River Delta., pp 47-59. In: Levitt, J.N., ed. *Conservation Catalysts. The Academy as Nature's Agent*. Lincoln Institute of Land Policy, Cambridge, MA.
- Flessa, K. W., 2014. [Water for nature in the Colorado River delta](#). In: Reflections on water reform in the Colorado and Murray-Darling Basins. Global Water Forum, Canberra, Australia.
- Stokes. P.J., Levine, R. and Flessa, K.W. 2014. Why are there so few Hispanic students in geoscience? *GSA Today*. 24: 52-53.
- Flessa, K.W., Glenn, E.P., Hinojosa-Huerta, O., de la Parra-Renteria, C.A., Ramirez-Hernandez, J., Schmidt, J.C. and Zamora-Arroyo, F., 2013. Flooding the Colorado River Delta: A landscape-scale experiment. *EOS* 94: 485-486.
- Baeza, K., Lopez-Hoffman, L., Glenn, E.P. Flessa, K. and Garcia-Hernandez, J., 2013. Salinity limits of vegetation in Ciénega de Santa Clara, and oligotrophic marsh in the delta of the Colorado River, Mexico: Implications for an increase in salinity. *Ecological Engineering* 59: 157-166.
- Carrillo-Guerrero, Y., Flessa, K.W., Hinojosa-Huerta, O., and Lopez-Hoffman, L., 2013. From accident to management: the Ciénega de Santa Clara ecosystem. *Ecological Engineering*. 59: 84-92.
- Garcia-Hernandez, J., Flessa, K., Santiago-Serrano, E., Romero-Hernandez, S., Zamora-Arroyo, F., and Ramirez-Hernandez, J., 2013 Salinity responses to inflow alterations in a 6500 ha *Typha* wetland. *Ecological Engineering*. 59: 18-29.
- Garcia-Hernandez, J., Glenn, E.P., and Flessa, K.W., 2013. Identification of chemicals of potential

- concern (COPECs) in anthropogenic wetlands of the Colorado River. *Ecological Engineering* 59: 52-60.
- Glenn, E.P., Flessa, K.W. and Pitt, J., 2013. Restoration potential of the aquatic ecosystems of the Colorado River Delta, Mexico: Introduction to special issue on “Wetlands of the Colorado River Delta” *Ecological Engineering* 59:1-6.
- Mexicano, L., Glenn, E.P., Hinojosa-Huerta, O., Garcia-Hernandez, J., Flessa, K. and Hinojosa-Corona, A., 2013. Long-term sustainability of the hydrology and vegetation of Cienega de Santa Clara, an anthropogenic wetland created by disposal of agricultural drain water in the delta of the Colorado River, Mexico. *Ecological Engineering*. 59: 111-120.
- Zamora, H.A., Nelson, S.M. , Flessa, K.W and Nomura, R., 2013. Post-dam sediment dynamics and processes in the Colorado River estuary: Implications for habitat restoration. *Ecological Engineering* 59: 134-143.
- Cintra-Buenrostro, C.E., Flessa, K.W. and Dettman, D.L., 2012. Restoration flows for the Colorado River estuary, México: estimates from oxygen isotopes in the bivalve mollusk *Mulinia coloradoensis* (Mactridae: Bivalvia). *Wetlands Ecology and Management*. 20: 313-327.
- Dietl, G. and Flessa, K.W. 2011. Conservation paleobiology: Putting the dead to work. *Trends in Ecology and Evolution* 26: 30-37
- Calderon-Aguilera, L.E. and Flessa, K.W., 2009. Just add water? Transboundary Colorado River flow and ecosystem services in the upper Gulf of California. pp. 154-169, in López-Hoffman, L., McGovern, E.D., Varady, R.G. and Flessa, K.W., eds., *Conservation of shared environments: Learning from the United States and Mexico*. University of Arizona Press, Tucson.
- Avila, G.E., Téllez, M.A., and Flessa, K.W. 2009. Ecological changes on the Colorado river delta: the shelly fauna evidence. In: Markes E. Johnson and Jorge Ledesma Vázquez (eds.) *Atlas of Coastal Ecosystems in the Gulf of California: Past and Present*. University of California Press, p. 95-103.
- Flessa, K.W., 2009. Putting the dead to work: Translational paleoecology, pp. 275-282, in Dietl, G.P. and Flessa, K.W., eds., 2009. *Conservation paleobiology. Using the past to manage for the future*. The Paleontological Society Papers., Vol. 15. The Paleontological Society, New Haven, CT.
- Flessa, K.W., 2009. A Darwin tourist in Shrewsbury, England, February 12, 2009. *American Paleontologist* 17 (2): 16-19.
- López-Hoffman, L., Varady, R.G., Flessa, K.W., and Balvanera, P., 2009. Ecosystem services across borders: A framework for transboundary conservation policy. *Frontiers in Ecology and the Environment*. 8: 84-91.
- Zamora-Arroyo, F. and Flessa, K.W., 2009. Nature’s fair share: Finding and allocating water for the Colorado River Delta. pp. 23-38, in López-Hoffman, L., McGovern, E.D., Varady, R.G. and Flessa, K.W., eds., *Conservation of shared environments: Learning from the United States and Mexico*. University of Arizona Press, Tucson.
- Rowell, K., Flessa, K.W., Dettman, D.L., Román, M.J., Gerber, L. R. and Findley, L.T., 2008. Diverting the Colorado River leads to a dramatic life history change in a marine fish. *Biological Conservation*. 141, 1138-1148.
- Rowell, K., True, C., Flessa, K.W., and Dettman, D.L., 2008. Fish without water: Validation and application of $\delta^{18}\text{O}$ in *Totoaba macdonaldi* otoliths. *Ciencias Marinas* 34: 55-68.
- Téllez-Duarte, M.A., Avila-Serrano G.E., and Flessa, K.W. 2008. Environmental significance of oxygen isotopes in the bivalve *Protothaca grata* from archaeological sites in northeast Baja California. *Pacific Coast Archaeological Society Quarterly* 39(4):49-56.
- Glenn, E. P., Flessa, K.W. and Cohen, M.J. and Nagler, P.L., 2007. Just add water and the Colorado River still reaches the sea. *Environmental Management* 40: 1-6.
- Liebig, P. M., Flessa, K.W., and Taylor, T.A., 2007. Taphonomic variation despite catastrophic mortality: Analysis of a mass stranding of False Killer Whales (*Pseudorca crassidens*), Gulf of California, Mexico. *Palaios* 22: 384-391.
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