

Brett Milligan

Assistant Professor, Landscape Architecture + Environmental Design
Department of Human Ecology
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CURRICULUM VITAE

TEACHING, PRACTICE AND RESEARCH FIELDS

- Landscape architecture and urbanism
- Water infrastructure, industrial ecology and regenerative landscape technologies
- Climate change adaptation and design of the land – water interface
- Dredging, beneficial reuse and design with sediments
- Restoration, rewilding and land management practices
- Landscape representation, modeling, geospatial mapping
- California Bay-Delta

TEACHING AND RESEARCH POSITIONS HELD

2013 - Assistant Professor, University of California, Davis
Landscape Architecture + Environmental Design, Department of Human Ecology

2009 - 2012 Adjunct Professor, University of Oregon, School of Architecture and Landscape Architecture

2008 Visiting Professor, Royal Melbourne Institute of Technology, Department of Landscape Architecture

PROFESSIONAL EXPERIENCE

2014 - *Metamorphic Landscapes*
Director

2011 - *Dredge Research Collaborative*
Co-founder and Co-Director

2009 - *Free Association Design (F.A.D.)*
Creative Director

2006 - 2013 *GreenWorks Landscape Architecture and Environmental Planning*, Portland, OR
Associate and Project Manager

2006 *Koch Landscape Architecture*, Portland, OR
Designer, Project Manager

2005 *D.I.R.T. Studio*, Charlottesville, VA
Designer

2003 *Lutsko Associates Landscape Architecture*, San Francisco, CA
Designer

EDUCATION

2003 - 2006 University of New Mexico, Albuquerque, NM
Master of Landscape Architecture, May 2006. Academic distinction

1991 - 1995 University of Virginia, Charlottesville, VA

B.A. Anthropology. Academic distinction

PUBLISHED CHAPTERS, ESSAYS AND ARTICLES (*peer reviewed; ** invited)

- 2016 “Delta Earthworks”, in *Migrant Journal Issue #1: Cross Country*, Eds. Catarina de Almeida Brito and Justinien Tribillon**
- 2016 “Hybrid Migrations and Design of Deluge”, in *Bracket [Extremes] Issue #3*, Eds. Maya Przybylski and Lola Sheppard.*
- 2016 “The Force of Things: Landscape Design and the Panama Canal”, with Brian Davis and Rob Holmes, In *Landscape Research Record No. 04*, Council of Educators in Landscape Architecture.*
- 2015 “Isthmus”, with Brian Davis and Rob Holmes, *Places Journal*, December.*
- 2015 “Landscape Migration”, *Places Journal*, June.*
- 2015 “Engaging the Vacant”, *Landscape Architecture Australia*, No. 147, Aug: 40-45. *
- 2015 “The Pulse the Sink and the Shortfall”, with Rob Holmes and Tim Maly. In *GROUND UP Journal, Issue 4: Out West*, University of California at Berkeley.*
- 2015 “DredgeFest: Social Experiments in Sedimentary Landscapes”, with Rob Holmes, In *The Expanding Periphery and the Migrating Center*, Association of Collegiate Schools of Architecture.*
- 2013 “Quasi Designed: The Throttle of Sedimentary Infrastructure”, with Rob Holmes, Tim Maly, and Stephen Becker, in *Landscape Architecture Frontiers. Volume 3: Landscape Infrastructure*, Beijing, China.**
- 2013 “New Suites of Elemental Landscapes” *GROUND UP Journal, Issue 2: Grit*, University of California at Berkeley.**
- 2013 “Feedback: Designing the Dredge Cycle”, with Rob Holmes, in *Landscape Urbanism Scenario Journal, Issue 4: Rethinking Infrastructure*. Editors Stephanie Carlisle and Nicholas Pevzner.**
- 2013 “The Dredge Cycle: DredgeFest NYC”, with Stephen Becker, Rob Holmes and Tim Maly, in *New Constellations | New Ecologies: Research and Design Projects*, Editors Ila Berman and Edward Mitchell.*
- 2013 “Dredge”, with Stephen Becker, Rob Holmes, Tim Maly, in *Bracket [Goes soft] Issue #2*, Editors Lola Sheppard & Neeraj Bhatia.*
- 2012 “Landscape and Work”, with Rob Holmes, in *La Tempestad (Mexico)*, Vol 14 No 85, pp.114-117.**
- 2012 “Packaging Sludge and Silt”, with Stephen Becker, Rob Holmes and Tim Maly, in *Making the Geologic Now*, Editors Jamie Kruse and Liz Ellsworth.**
- 2012 “Space-Time Vertigo”, in *Making the Geologic Now*, Editors Jamie Kruse and Liz Ellsworth.
- 2012 “You Might Need Urban Goats”, in *The People’s Apocalypse*, Editors Ariel Gore and Jenny Forrester.**
- 2011 “Circuits Beneath the Freeway”, in *Landscape Architecture Magazine*, Vol 101 No 8, pp. 16-18.**
- 2011 “Urban Field Manuals”, with Brian Davis and Rob Holmes, in *MONU – Magazine on Urbanism*, Issue #14: Editing Urbanism.*
- 2010 “Corporate Ecologies”, *Journal of Landscape Architecture (JoLA)*, Spring 2010, pp. 6-23.*
- 2009 “Urbanism for Expanding Cities: Designing the Conjugal Interface of Contrasting Systems”, with Jason King, in *Landscape Architecture (China)*, Issue #2, pp.62-66.

2007 “Navigating Bigness: Redefining Corporate Landscape”, Spring 2007. *New Mexico Chapter ASLA News Letter*.

RESEARCH, PLANNING AND TECHNICAL REPORTS

- 2016 DredgeFest California: Key Findings and Recommendations
- 2016 Human Use of Restored and Naturalized Delta Landscapes
- 2014 Climate Action Reserve, “Urban Forest Management Project Protocol Version 1.0.”
- 2014 Climate Action Reserve, “Urban Tree Planting Project Protocol Version 2.0.”
- 2013 United States Environmental Protection Agency. “District-Scale Green Infrastructure Scenarios for the Zidell Development Site, City of Portland”. 2012 Green Infrastructure Technical Assistance Program. (EPA 830-R-13-002)
- 2013 Stillwater Sciences, Jones & Trimiew Design, Atkins, Tetra Tech, Riverbend Sciences, Aquatic Ecosystem Sciences, and NSI/Biohabitats. Water Quality Improvement Techniques for the Upper Klamath Basin: A Technical Workshop and Project Conceptual Designs. Prepared for California State Coastal Conservancy, Oakland, California. **
- 2011 “Revegetation and Wetlands Management Plan, Condit Hydroelectric Project Decommissioning”, prepared for the Federal Energy Regulatory Agency Project #2342. (with GreenWorks).
- 2011 “Recreation Facility Removal and Improvements Plan, Condit Hydroelectric Project Decommissioning”, prepared for the Federal Energy Regulatory Agency Project #2342. (with GreenWorks).
- 2009 “Clean Water Services Low Impact Development Approaches Handbook”, prepared for Clean Water Services (with GreenWorks).
- 2007 “Old Town China Town Study” | Development Plan, Prepared by Ankrom Moisan Architects.

SELECTED PRESENTATIONS AND PUBLIC LECTURES (*peer reviewed)

- 2016 Speaker/Panelist, Ecology Panel Session
The New Landscape Declaration: A Summit on Landscape Architecture and the Future, Philadelphia
- 2016 *1:1 Scale Trials with the Vacant and Feral*
Ohio State University, *This is a Test* symposium
- 2016 *Four Coasts: Exploring the Regional Contentions of Dredging and Sediment Management* *
Council of Educators in Landscape Architecture annual conference, Salt Lake City
- 2016 *Making Terrain: Drones, Photogrammetry And Translations Of Sediment**
Council of Educators in Landscape Architecture annual conference, Salt Lake City
- 2016 *Landscape Migration: Pulses, Shortfalls and Trajectories*
California Polytechnic State University, College of Architecture and Environmental Design
- 2015 *Choreographing Sediments*
Industrial Ecology Program, UC Davis
- 2015 *Landscape Migration: Pulses, Shortfalls and Trajectories*
Washington University, St Louis
- 2015 *DredgeFest California*

- Bay Planning Coalition, Oakland CA
- 2015 *Landscape Migration*
UC Berkeley
- 2015 *Propositional Geography: Scenarios, Infrastructure and Wicked Problems in California's Bay Delta*,
American Association of Geographers annual meeting. Chicago
- 2015 *Multifunctional Infrastructure and the Human Use of Restored Delta Landscapes*
Delta Stewardship Council, Sacramento
- 2014 *Dredge Landscapes: Sediment Flows, Earth Moving, and Dredge as Designed Landscape*
American Society of Landscape Architects Annual Meeting (presenter + panel moderator) *
- 2014 *The Force of Things: Landscape Design and The Panama Canal*
Council of Educators in Landscape Architecture Annual Conference, Baltimore *
- 2014 *Accelerated and Decelerated Landscapes*
Council of Educators in Landscape Architecture Annual Conference, Baltimore*
- 2014 *Migration of Landscapes*
Environmental Design Research Association Annual Conference, New Orleans*
- 2014 *The Engineering Shockwave of the Panama Canal Expansion*
Environmental Design Research Association Annual Conference, New Orleans*
- 2013 *Migratory Infrastructure*
2013 CELA Annual Conference, The University of Texas at Austin *
- 2012 *The Dredge Cycle: An Introduction*
Studio – X New York, Columbia University Graduate School of Architecture, Planning and Preservation
- 2012 *Sediment, Networked Terrains and Singularities*
University of Virginia, Department of Landscape Architecture
- 2011 *Landscapes of Dredge: Cycles and Choreography*
Virginia Tech School of Architecture
- 2010 *On the Edge: Urban Investigations Beyond the City Center*
University of Oregon School of Architecture and Allied Arts
- 2009 *Envisioning the In-Between*
University of Oregon School of Architecture and Allied Arts
- 2009 *Urban Ecotones: Transitional Spaces for Commerce and Culture*
Guest Lecture, Portland State University, School of Architecture
- 2008 *Forensics on Landscape Urbanism: Tracing Concepts and Practices*
Portland State University, Department of Urban Studies
- 2008 *Corporate Ecologies*
Guest Lecture, Victoria University of Wellington (New Zealand)
- 2008 *Typology and Design Research*
Royal Melbourne Institute of Technology, Australia.
- 2008 *Corporate Ecologies*

Royal Melbourne Institute of Technology, Australia.

2007 *Mapping Corporations*
Guest Lecture, University of Oregon, Department of Landscape Architecture

CURATED SYMPOSIA AND EVENTS

2016 *DredgeFest California*, Berkeley, California

2015 *DredgeFest Great Lakes*, New Orleans and Baton Rouge, with Louisiana State University
Co-organizer, presenter, and panel moderator

2014 *DredgeFest Louisiana*, New Orleans and Baton Rouge, with Louisiana State University
Lead organizer, curator, presenter, and panel moderator

2012 *DredgeFest NYC*, Studio – X NYC
Lead organizer, curator and presenter

EXHIBITIONS AND INSTALLATION OF CREATIVE WORKS

2016 “DredgeFest California”, University of California, Berkeley

2015 “Landscapes of Dredge”, Washington University's Sam Fox School of Architecture, St Louis

2015 “Landscapes of Dredge: Great Lakes Basin”, University of Minnesota

2014 “DredgeFest Louisiana”, Loyola University, New Orleans

2013 “The Dredge Cycle: DredgeFest NYC” featured in *New Constellations / New Ecologies*, Association of Collegiate Schools of Architecture, California College of the Arts, San Francisco

2012 “DredgeFest NYC”, in collaboration with Columbia University’s Studio-X NYC
2-day Public symposium and Harbor Tour

2012 “Mounding and Voiding: New Mexico’s Copper Landscapes”, featured in *505 (Cinco Cero Cinco)* Exhibition, Detroit, MI

2010 “Banquet in Process: Goats on Belmont”, Portland, OR

2010 “An Edible Fix”, featured in *Peculiar Places* Exhibition, Melbourne, Australia

2010 “1:1 Scale Mapping of Terrain Vague”, Portland OR

2009 “Inundating the Border”, featured in *HYDROCity* Exhibition, University of Toronto, Canada

2009 “Urban Ecotones: Transitional Spaces for Commerce and Culture” featured in Urban Ecosystem Research Consortium’s *Urban Ecology and Conservation Symposium*, Portland, OR

FUNDED RESEARCH, GRANTS AND AWARDS

2015 *DredgeFest California: Bay-Delta Earthworks*, Hellman Fellowship and multiple independent sponsors

2015 *Wicked Ecologies* (with Rob Holmes), Graham Foundation Research Grant

2015 *Human Use of Restored and Naturalized Landscapes in the CA Delta*, UC Davis Center for Watershed Sciences through a gift from the Stephen D. Bechtel, Jr. Foundation

2015 *DredgeFest Great Lakes*, the University of Minnesota Imagine Chair in the Arts, Design and Humanities and the University of Minnesota Imagine Special Events Fund

- 2014 *M-Power: Modular Solar Housing for Migrant Farmworkers*, US Department of Energy and UC Davis
- 2013 *CalFIRE Urban Forest Project Protocol Revision*, California Department of Forestry and Fire Protection and Climate Action Reserve
- 2013 *Academic Senate Research Travel Grant*, UC Davis
- 2012 *DredgeFest NYC*, Studio-X NYC. \$2,500 in sponsorship and in-kind donations
- 2011 *Migrating Infrastructures of the Klamath River: Past, Present and Speculative Futures*, Graham Foundation Research Grant
- 2005 *A Legacy of Mineral Wealth: Cities and Ruins in the Highlands of Mexico*, Allen Stamm Research Scholarship
- 2004 *Landscape Reclamation and Innovation in the Netherlands*, Travis Freeman Research Travel Scholarship

SELECTED DESIGN AWARDS (juried/peer reviewed)

- 2016 Communication Honor Award, American Society of Landscape Architects
DredgeFest
- 2015 Excellence in Landscape Architecture Open Space Planning and Design award, Society for College and University Planning
University of California, Davis West Village Implementation Plan
- 2014 Analysis and Planning Honor Award, American Society of Landscape Architects
Zidell Yards District-Scale Green Infrastructure Scenarios.
- 2013 Analysis and Planning Honor Award, Oregon Association of Landscape Architects
For *District Scale Green Infrastructure Scenarios for the Zidell Development Site (EPA 830-R-13-002)*
- 2013 Selected Research and Design Project, ACSA 101 Conference + Exhibition
for *The Dredge Cycle: DredgeFest NYC*
- 2011 Research and Communication Merit Award, ASLA Oregon Professional Design Awards
for *Clean Water Services LIDA Handbook*
- 2010 Julian Prize for Sustainability in Public Works
for *Clean Water Services LIDA Handbook*
- 2009 Selected Project, Reinventing Cities Competition (Spain)
for *Revolutionary Infrastructures*
- 2008 First Place, Integrating Habitats Design Competition
for *Urban Ecotones: Transitional Spaces for Commerce and Culture*
- 2006 ASLA Student Award of Excellence: General Design Category
for *Inundating the Border: Migrating the Line*
- 2006 ASLA Student Honor Award: Landscape Communication Category
for *Navigating Bigness: Redefining Corporate Landscape*
- 2005 Consensus Planning Excellence in Design Award
- 2004-2006 New Mexico ASLA Award for Design and Scholarly Excellence
(awarded for three consecutive years)

PEER REVIEW - DESIGN CRITIC

- 2010 - The Journal of Landscape Architecture
Manuscript Reviewer
- 2013 Council of Educators in Landscape Architecture
Conference Abstracts Reviewer
- 2013 Environmental Design Research Association
Conference Abstracts Reviewer

GUEST CRITIC

- 2016 California College of the Arts, Department of Architecture
- 2015 Washington University, Department of Landscape Architecture
- 2015 California College of the Arts, Department of Architecture
- 2014 UC Berkeley, Department of Landscape Architecture
- 2010 - 2012 University of Oregon, Department of Landscape Architecture, Eugene
Studio Critic
- 2006 - 2010 University of Oregon, Department of Architecture, Portland, OR
Studio Critic
- 2010 Portland State University, Departments of Architecture and Urban Planning
Studio Critic, Urban Research Methods
- 2008 Royal Melbourne Institute of Technology, Department of Landscape Architecture
Studio Critic, Pre-major (independent project studio) critic and advisor
- 2008 Victoria University of Wellington, New Zealand
Studio Critic
- 2005-2006 University of New Mexico, Department of Architecture and Planning
Studio Critic

PUBLISHED ARTICLES, CHAPTERS AND REFERENCES BY OTHERS

- 2016 "DredgeFest Event Series", Landscape Architecture Magazine
- 2016 Cloud and Field, by Shannon Mattern, *Places Journal*, August 2016. Accessed 21 Dec 2016.
<https://doi.org/10.22269/160802>
- 2015 "Feature> Making By Seeing: New and Old Visualization Tools to Change the Face of Landscape Architecture", by Josh Stephens, The Architects Newspaper
http://www.archpaper.com/news/articles.asp?id=8314#.VpQz_FLxJ-v
- 2014 "Dredge Design", by Jared Green, The Dirt <http://dirt.asla.org/2014/11/22/dredge-design/>
- 2014 "Speculative Archaeology: Art and Architectural Excavations, From the Primitive Hut to the Meth Lab," by Shannon Mattern, *Places Journal* <https://placesjournal.org/article/speculative-archaeology/>
- 2014 "The Dredge Underground," by Jennifer Reut, *Landscape Architecture Magazine* Vol 104, No 8, pp86-101.
- 2014 "DredgeFest Louisiana Spotlights the State's Erosion Crisis," Nathan Martin, Next City

- 2014 “Afternoon Diversions: DredgeFest Considers Dirt in the Delta,” by Christopher Staudinger, *The Nola Defender*
- 2014 “DredgeFest Explores Methods to Save the Wetlands, by William Morris, *The Daily Reveille*.
- 2013 “American Society of Landscape Architects 2013 Student Awards: Honor Award for Communications” *Landscape Architecture Magazine* Vol 103, No 10, p88.
- 2013 “Border Memorials: When the Local Rejects the Global”, by SueAnne Ware. In *Re-imagining the City: Art, Globalization, and Urban Spaces*, Editors Grierson and Sharp (May).
- 2013 “Sedimental Journey,” by Linda McIntire, *Landscape Architecture Magazine*, Vol. 103, No. 1, p. 18,20.
- 2012 “A City Built on Dredge”, by Tim Maly, *Urban Omnibus*, December 12, 2012: <http://urbanomnibus.net/2012/12/a-city-built-on-dredge/>.
- 2012 “How We Can Redesign New York’s Unsafe Shoreline”, by Tim Maly, *Wired Design*, November 2, 2012: <http://www.wired.com/design/2012/11/disaster-landscaping/>.
- 2012 “The Dredge of a Lifetime”, by Henry Grabar, *The Atlantic Cities*, October 5th: <http://www.theatlanticcities.com/jobs-and-economy/2012/10/dredge-lifetime/3483/>.
- 2010 “Browser Upgrade: Ruminations not Machinations”, by Linda McIntyre, *Landscape Architecture Magazine*, Vol. 101, No. 2, p. 16.
- 2010 “Goats Hired to Mow Southeast Portland Lot Become Neighborhood Attraction”, by Molly Hottle, *The Oregonian*, Oct. 12.
- 2010 “Archaic, Advanced, and Adaptable Technology”, Canadian Center for Architecture, CCA Recommends: <http://www.cca.qc.ca/en/cca-recommends/1150-archaic-advanced-and-adaptable-technology>.
- 2009 “Urban Ecotones: Design Revolutions”, *Future Architectures Magazine*, Vol. 19-20, Madrid, Spain pp. 56-57.
- 2008 “Corporate Ecologies”, by Sue Anne Ware, *Landscape Australia*, Summer pp. 34-38.
- 2008 “Borders, Memory and The Slippage In-Between” in *Fluctuating Borders*, by Sue Anne Ware and Rosalea Monacella, RMIT University Press, 2008.
- 2007 “Uncertain Parks: Disturbed Sites, Citizens, and Risk Society”, by Elizabeth Meyer. In *Large Parks*, Editors Julia Czerniak and George Hargreaves, New York: Princeton Architectural Press, 2007.
- 2006 “2006 ASLA Student Award Winners: A Global Perspective” *Landscape Architecture Magazine*, 2006, Vol. 96, No. 9, pp. 68, 74.

SELECTED PROFESSIONAL PROJECTS

With GreenWorks

- 2007 - 2013 EPA Green Infrastructure Technical Assistance Research Grant
(Zidell Brownfield, Portland OR)
Condit Dam Decommissioning Restoration and Recreational Management Plans
Clean Water Services Low Impact Design Approaches Handbook and Design Standards
Bandon Marsh National Wildlife Refuge Enhancements
Ridgefield National Wildlife Refuge Enhancements
Boones Ferry Road Green Street
UC Davis West Village Campus Expansion Open Space + Stormwater Management Design

Trout Lake Cluster Development Master Plan
North Bethany Community Design
Old Town – Chinatown Assessment and Redevelopment Plan
Hogan Butte Regional Park Plan
Mt Hood Community College Greenway Design
Interstate-5 Urban Corridor Enhancements
Warner Milne Rain Garden
West Eugene Wetlands Park & Interpretive Center
Chambers Creek Wastewater Treatment Plant Expansion and Site Improvements

With Koch Landscape Architecture

2006 The Jeffrey Apartments
 Belmont Condominiums
 Evergreen Aviation Museum Entry
 The Ladd Tower

PROFESSIONAL AND ACADEMIC AFFILIATIONS

UC Davis Geography Graduate Group (faculty member)
UC Davis Community Development Group (faculty member)
UC Davis Climate Change Action Group
American Society of Landscape Architects (ASLA)
Council of Educators in Landscape Architecture (CELA)
Environmental Design Research Association (EDRA)