

**BRAD LANCASTER**

813 N. 9th Ave., Tucson, Arizona 85705

[www.HarvestingRainwater.com](http://www.HarvestingRainwater.com)

[www.NeighborhoodForesters.org](http://www.NeighborhoodForesters.org)

2021

**EDUCATION:**

2021 Wildland Hydrology's Applied Fluvial Geomorphology with Dave Rosgen

2013 to present SEED Communities Business Education, Re-source Engagement, and Thinking Partner Collaboration

1996 Earthworks Institute - Eco-Village Design Course with Max Lindegger

1995 Permaculture Drylands Institute - Patterning Design Course

1994 Permaculture Drylands Institute - Advanced Design Course

1993 Permaculture Drylands Institute - Basic Design Course

1985-1991 University of Arizona - B.A. in Anthropology, Spanish, and Humanities. Received the Dean's Award from the college of Arts and Sciences.

1991 Institute of International Studies and Bilingual Education, University of Sevilla, Spain.

**PUBLICATIONS:**

**2020**

Published eBook edition of *Rainwater Harvesting for Drylands and Beyond, Volume 2, 2nd Edition: Water-Harvesting Earthworks*.

**2019**

Wrote, revised, and published print & eBook editions of *Rainwater Harvesting for Drylands and Beyond, Volume 1, 3rd Edition: Guiding Principles to Welcome Rain into Your Life and Landscape*.

Wrote, revised, and published *Rainwater Harvesting for Drylands and Beyond, Volume 2, 2nd Edition: Water-Harvesting Earthworks*.

**2018**

Co-wrote, co-edited, and published *Eat Mesquite and More: A Cookbook for Sonoran Desert Foods and Living by Desert Harvesters*

**2017**

Co-authored *Resilience Design in Smallholder Farming Systems: A Practical Approach to Strengthening Farmer Resilience to Shocks and Stresses*. Washington, DC: The TOPS Program and Mercy Corps

**2013**

Wrote, revised, and published *Rainwater Harvesting for Drylands and Beyond, Volume 1, 2<sup>nd</sup> Edition: Guiding Principles to Welcome Rain Into Your Life and Landscape*.

**2011**

Arabic Edition of *Rainwater Harvesting for Drylands and Beyond, Volume 1* released

Was part of the writing team that co-created the Streetscape Ecosystem chapter of the *Model for Living Streets Design Manual*, Los Angeles County 2011

**2010**

Published *Eat Mesquite! A Cookbook* by Desert Harvesters

**2008**

Wrote and self-published the award-winning, best-selling book *Rainwater Harvesting for Drylands and Beyond, Volume 2: Water- Harvesting Earthworks*.

**2006**

Wrote and self-published the award-winning, best-selling book *Rainwater Harvesting for Drylands and Beyond, Volume 1: Guiding Principles to Welcome Rain into Your Life and Landscape*.

Created the website [www.HarvestingRainwater.com](http://www.HarvestingRainwater.com)

Wrote articles published in the American Water Works Association Journal, Ecologist, Permaculture Activist, Permaculture Magazine, Back Home Magazine, G Magazine, Home Power, and Mother Earth News

**EXHIBITIONS:**

Conducted over 100 annual public talks (a number of keynotes), workshops, tours, and interviews per year advocating attainable sustainable systems and regenerative design.

Venues have included such conferences as the Village Building Convergence; Bioneers; New Mexico Xeriscape/Water Conservation; New Mexico Organic Farming; Green Festival; California Master Gardeners; American Rainwater Catchment Systems Association; International Rainwater Catchment Systems Association in India and Australia; 7th International Workshop on Rainwater Harvesting in Seoul, South Korea; International Permaculture Convergence in Jordan; U.S. State Department- sponsored tours of the Middle East (Jordan and Saudi Arabia); Waterloutions in Calgary, Canada, lead instructing the 72-hour Permaculture Design Course (PDC) in Marda, Palestine and co-teaching the PDC in Amman, Jordan; and Watershed Management Group's 10-day water-harvesting certification programs (in English and Spanish).

National media including New Dimensions Radio and National Public Radio

**RELEVANT PROJECTS AND RESEARCH:**

Contracted with Ann Audrey by the City of Tucson to study the effectiveness of its Commercial Rainwater Harvesting Ordinance, and submitted report with our findings (2018)

Designed and built dozens of home-scale permaculture gardens and landscapes (irrigated entirely with harvested rainwater and greywater)

Consulted on the design of model homes landscapes and greenbelts for the first phase of the Civano development in Tucson, Arizona

Consulted on and designed the water-harvesting landscapes for the Milagro and Stone Curves Co-housing developments.

Consulted on the Simpson Farm/Santa Cruz River restoration project

Consulted on, designed, and implemented (in hands-on workshops) street-side water harvesting earthworks at the Tucson Nature Conservancy water-harvesting demonstration site.

**PROFESSIONAL AND PUBLIC SERVICE:**

Created and live on thriving, award-winning 1/8-acre urban permaculture site in Tucson (1994–present)

Co-founded and co-organize annual Dunbar/Spring Neighborhood Rain & Tree Planting Project and the [Dunbar Spring Neighborhood Foresters](#) (1996–present)

Co-founded and co-organize Desert Harvesters project ([www.DesertHarvesters.org](http://www.DesertHarvesters.org)), including the organizing of 15 public mesquite pod millings/fiestas (2002–2020)

Designed and supervised installation of water-harvesting and erosion control in the [Wallace Desert Garden at the Boyce Thompson Arboretum](#), Superior, Arizona (2018-2019)

Senior Watershed Specialist at Watershed Management Group, Tucson (2011–2014)

Member of City of Tucson Citizens' Advisory Committee to implement residential greywater-harvesting stub-out ordinance (2008), and the committee to revise the ordinance (2012)

Member of City of Tucson Citizens' Advisory Committee to create rainwater-harvesting rebate program (2011) Designed & supervised volunteer installation of Barrio Anita Bike Church water-harvesting landscape (2010)

Member of City of Tucson Citizens' Advisory Committee to implement ordinance requiring commercial properties to provide at least 50% of their landscape irrigation needs with harvested rainwater, which emphasizes passive earthworks/rain garden systems (2008)

Spearheaded and coordinated creation of award-winning Dunbar/Spring Organic Community Garden & Mini Nature Park (1998)

President of Dunbar/Spring Neighborhood Association (April 1996–April 1998)

## **HONORS, AWARDS, GRANTS:**

### **Honors and Awards:**

Book awards for *Rainwater Harvesting for Drylands and Beyond, Volumes 1 and 2* include: Best Indie Books of the Year pick by Kirkus Reviews; Southwest Books of the Year pick by Pima County Public Library; Finalist Foreword Magazine's Book of the Year; Silver Award, Nautilus Book Awards; Bronze & Gold Medals, Living Now Book Awards; Finalist, Eric Hoffer Book Award; Best Book Award by USA Book News National Book Awards; Winner, DIY Book Festival; Silver Award of Achievement, Garden Writers Association Media Awards; Finalist, Arizona Book Publishers Association Glyph Award.

Citizen Forester of the Year: Arizona Department of Forestry and Fire Management, 2021

Local Genius Award: Museum of Contemporary Art (MOCA); Tucson, Arizona, 2016

Lifetime Achievement Award: American Rainwater Catchment Systems Association (ARCSA), 2015

Tucson-Pima County Bicycle Advisory Committee Bicycling Commuter of the Year, 2014

Cox Conserves Hero: Arizona, 2013

David Yetman Award: Tucson Audubon Society, 2013

Award of Excellence/Personal Recognition: American Rainwater Catchment Systems Association, 2008

First Place, Homeowner < \$10,000: Arizona Dept Water Resources/Tohono Chul Xeriscape Contest,

2005 Best Water Harvesting: Arizona Department of Water Resources/Tohono Chul Xeriscape Contest, 2005

JD DiMelglio Artistry in Landscaping: Arizona Dept Water Resources/Tohono Chul Xeriscape Contest,

2005 Good Neighbor Award: City of Tucson and Pima County, 2001

Dunbar/Spring Organic Community Garden voted Best Neighborhood Garden by Tucson Weekly, 2000

### **Grants:**

LUSH Cosmetics Sustainable LUSH Fund: creation of the book *Eat Mesquite and More* along with public workshops on native, wild food forestry and public mesquite pod millings (\$47,000)

Pima County Neighborhood Reinvestment: neighborhood-wide water harvesting, traffic calming, native plantings, and public art (\$500,000)

PRO Neighborhoods: Develop traffic-calming strategies in Dunbar/Spring neighborhood, landscape the strategies, and implement public art works of sculpture and intersection murals (\$5,000)

PRO Neighborhoods: Create Desert Harvesters & buy hammermill for community mesquite millings (\$5,000)

PRO Neighborhoods: Develop Dunbar/Spring Organic Community Garden (\$8,000)

Arizona State Land Department: Community Forestry Grant to develop Dunbar/Spring Mini-Nature Park

PRO Neighborhoods: Initiate first annual Dunbar/Spring Neighborhood Association Tree Planting Project (\$1,000)

### **ACADEMIC EXPERIENCE:**

Teaching the sustainable-design system of permaculture and integrated water-, sun-, wind-, and shade harvesting systems since 1994.

Developed and taught programs for ECOSA Institute; Western Hemisphere Institute for Student Leaders; Columbia University; University of Arizona; Prescott College; Earlham College; Audubon Expeditions; Berea College; Permaculture Drylands Institute/Sonoran Permaculture Teaching Guild; Amphitheater School District; Arizona Sonora Desert Museum; City of Asheville, North Carolina; City of Flagstaff, Arizona; Santa Cruz county, Arizona; TOPS/Mercy Corps programs in Malawi, Zimbabwe, and Nepal; and others.

Additional workshops/courses developed and taught cover such topics as land reclamation, earth plasters, desert gardening, edible and medicinal native plants, primitive skills, and adobe restoration.

In 2003 worked as a wilderness guide and teacher of primitive skills for the Boulder Outdoor Survival School and the Backtracks Wintercount gatherings.

### **PRACTICE:**

Since 1994 I've owned and operated a business doing consultation, design, implementation, and education services in permaculture and sustainable/regenerative design with an emphasis on integrated water harvesting, passive solar design, wildlife habitat, local food production, and community building.

Since 2015 I've been performing at live [story-telling](#) events/podcasts such as [OdysseyStorytelling.com](#)