

★ 2008–2018 ★

# Ten Years of ACHIEVEMENTS

## Deer Creek Watershed Alliance

### Moving New Best Practices Forward

- In 2008, planned and implemented 3 demonstration bioretention projects in the watershed in partnership with Metropolitan St. Louis Sewer District (MSD)—the first bioretention projects ever designed and installed by MSD staff.
- In 2010, established native soil rain gardens and lawn alternatives as newly accepted Best Management Practices.
- In 2012, established a demonstration woodland restoration project in partnership with the Deer Creek Club.
- In 2014, worked with MSD to plan a stream bank biostabilization project—the first one designed and installed by MSD in Deer Creek.
- In 2016, brought internationally recognized scientists to St. Louis to explore the impact of soil biology on plant health and infiltration rates.
- In 2017, planned a demonstration wetland arboretum restoration project with City of Brentwood, Great Rivers Greenway, and the Technical Advisory Group.

### RECEIVING AWARDS

- The Rainbird Intelligent Use of Water State of the Union Award in 2009
- The Open Space Council William C. Schock Clean Water Conservancy Award in 2010
- The St. Louis Chapter of the American Society of Landscape Architects Civic Stewardship Award in 2013



### PLANNING FOR SUCCESS

- Created the first urban USEPA accepted nine-element watershed plan in the state of Missouri.
- The Deer Creek Watershed Plan was voted on and approved by all 20 municipal city councils in the watershed.
- Created multiple watershed partnerships resulting in the establishment of a Deer Creek Steering Committee, a Community Leaders Task Force, and a Technical Advisory Group to guide the Alliance.
- Collected baseline water quality data to analyze 17 water quality parameters at 12 sites on Deer Creek and its tributaries.
- Produced 52 watershed maps in partnership with East West Gateway Council of Governments.
- Identified the need to reach single family dwelling landowners where no development or redevelopment is taking place (almost ¾ of the land in the watershed), and designed a Rainscaping Cost Share Program to reach those landowners.

### OPPORTUNITIES FOR Public Engagement



Organized 2009 Ladue Day of Service; **571 Volunteers** collected **9,740 pounds of trash** in Deer Creek. Over 10 years, **1300 volunteers** have cleaned trash out of the creeks and removed invasive honeysuckle from creek banks.

Created an online **Rainscaping Guide** to educate landowners and contractors alike on rainscaping best management techniques. The Guide has received over **42,000 unique page views** by **12,000 unique visitors**.

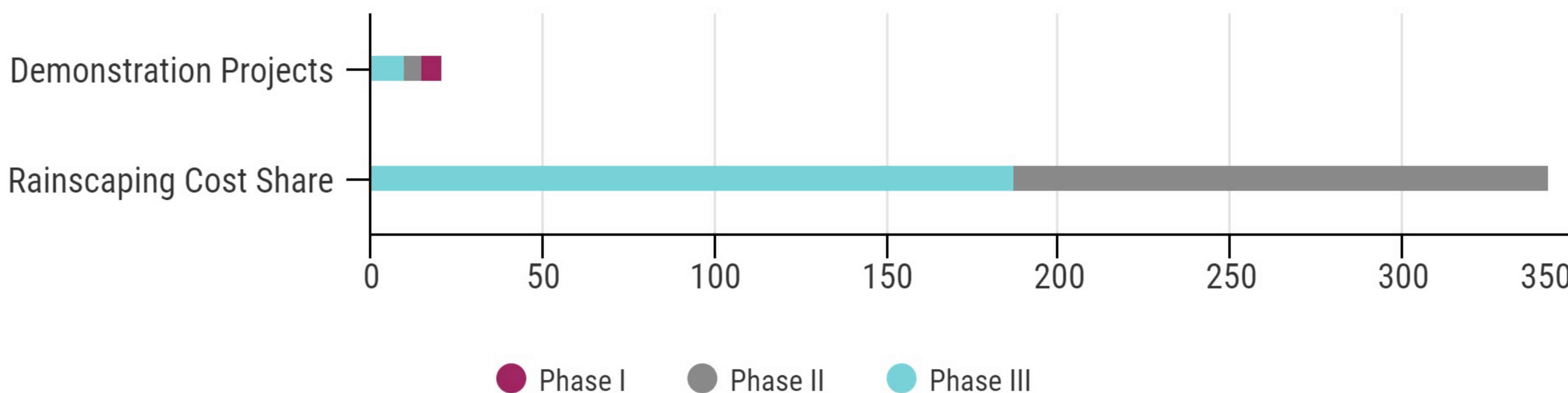
**Named 14 unnamed tributaries** in the watershed. **Added 17 creek signs** posted along roads.

Established and implemented a **Deer Creek Speaker Series** and rainscaping orientation sessions to disseminate innovative ideas in the watershed. More than **3000 people** have attended **educational workshops**.

Distributed **500 educational tree booklets** to schools in the watershed.

### WE'VE INSTALLED

**364 PROJECTS**



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Our projects currently remove 186 tons of **sediment**, 77 lbs. of **nitrogen**, and 15 lbs. of **phosphorus** per year from Deer Creek.

