RiverLink Sustainably Funding Your Watershed Efforts September 27, 2017

RIVER LINK

EXPERIENCE, LEARN, CONSERVE

RiverLink est. 1987

RiverLink promotes the environmental and economic vitality of the French Broad River and its watershed as a place to live, learn, work, and play.



EXPERIENCE. LEARN. CONSERVE

What We Do

- Invite communities to Experience the French Broad River
- Encourage children and adults to Learn about he importance of the River
- Conserve Water
- Conserve Land



Funding Aha's

Volunteers (with a purpose)
We dream big dreams
Partnerships Matter
Dollars come in many ways
Internships/Fellowships

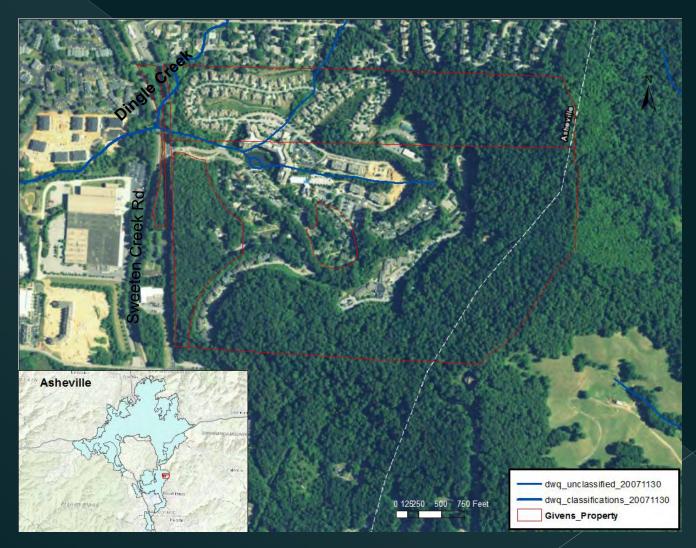


Project 1: Innovative Stormwater Control Measures





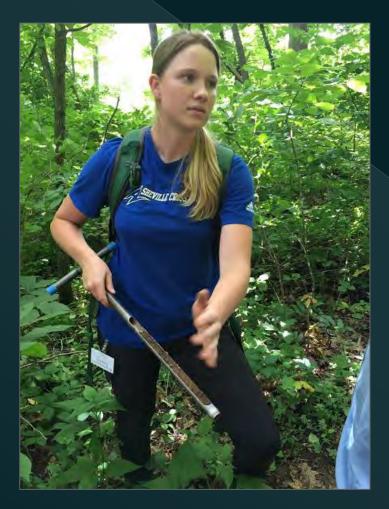
Givens Estates Innovative Stormwater Control Measures



Research Study on Effectiveness of SCMs in Western N.C.



Where in the watershed does the sediment come from?



Alex Blue, UNCA McCullough Fellow



Sierra Kindley, RiverLink Summer Intern

Data will aid design of SCMs



Project Budget

Budget- \$310,775 CWMTF + \$380,015 Match

Total Project Cost= \$690,790

- \$136,000 direct match from Givens Estates
- \$224,440 In-kind for Community Outreach and Education
 - RiverLink and Givens Estates
 - Community Meetings
 - Volunteer Work Days
 - Project Tours

Volunteer (with a purpose)



Project Goals

- Manage stormwater runoff within Dingle Creek Watershed- impaired (303d) section of FBR
- Design, Install SCMs for 6 proposed sites on Givens Estates Campus
- Collect pre- and post-construction data to measure their effectiveness
- Share research findings (Peer reviewed publication, conferences, N.C. State)
- Improve Water Quality!

Project 2: Karen Cragnolin Park in French Broad River Park Corridor

- Acquired in fee by RiverLink in Oct. 2006
- 5.33 ac.
- Previous Owner: Edaco, Inc. (used truck parts and auto salvage yard)
- "Missing link" in the connectivity of park lands along French Broad River and Amboy Road.

5.33 ac. Edaco Tract in 2006









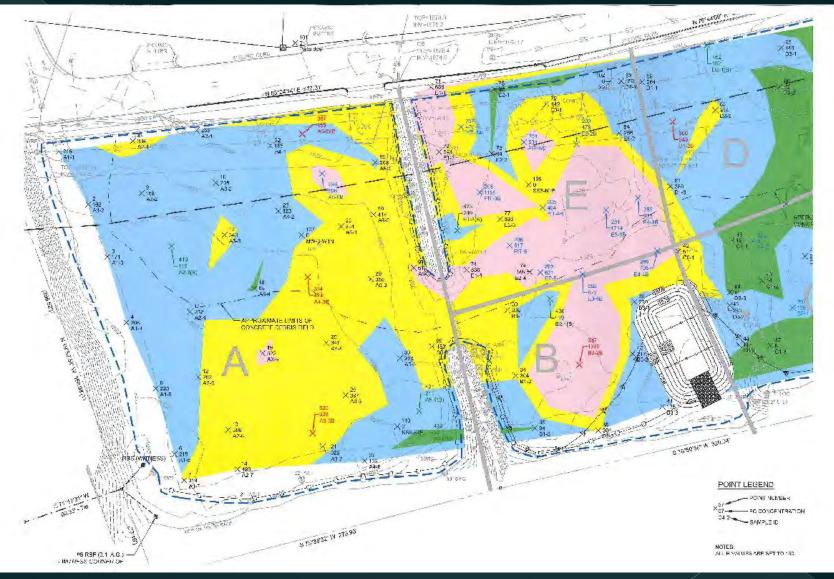
5.33 ac. Edaco Tract after vehicle removal



5.33 ac. Edaco Tract during concrete removal



5.33 ac. KC Park Tract Phase III Sampling Results



5.33 ac. KC Park Tract during phytoremediation and soil sampling





5.33 ac. KC Park Tract – June 2017 Sampling Results

Amboy Road

Areas with higher levels of diesel oil

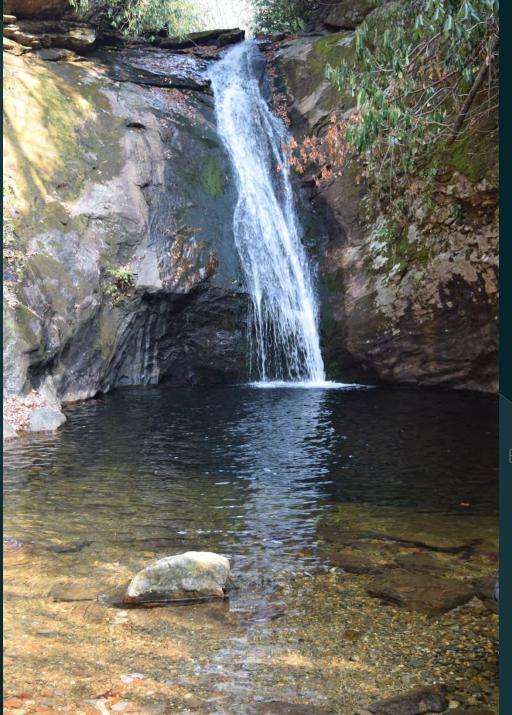
200 ft

contamination down to 1 foot

Funding & Partnerships for Remediation and Master Plan Creation

- D.H. Griffin \$85,000 in kind to remove 100,000 tons concrete
- Dr. Ari Ferro, URS Discounted Phytoremediation

 Duke Energy Foundation, Ray C. Anderson Foundation, and Garden Club of America - \$86,000 for remediation and creation of master plan



Thank You!

RIVER LINK

EXPERIENCE. LEARN. CONSERVE.



· Sound Finances

- Ethical Conduct
- Responsible Governance
- Lasting Stewardship