

CENTER CREEK 201 BOARD  
AND THE CITY OF WEBB  
CITY COMPOST AND  
SLUDGE DRYING PROJECT

---

# MINING LEFT A MARK

---

## Webb City in violation of zinc

Sludge was disposed of in hazardous waste landfill

Water affluent entering Center Creek

Studies showed very little chance of reducing zinc at the source

Started our own I&I construction crew 2010

Entire basin repair showed very little improvement

Started looking for options

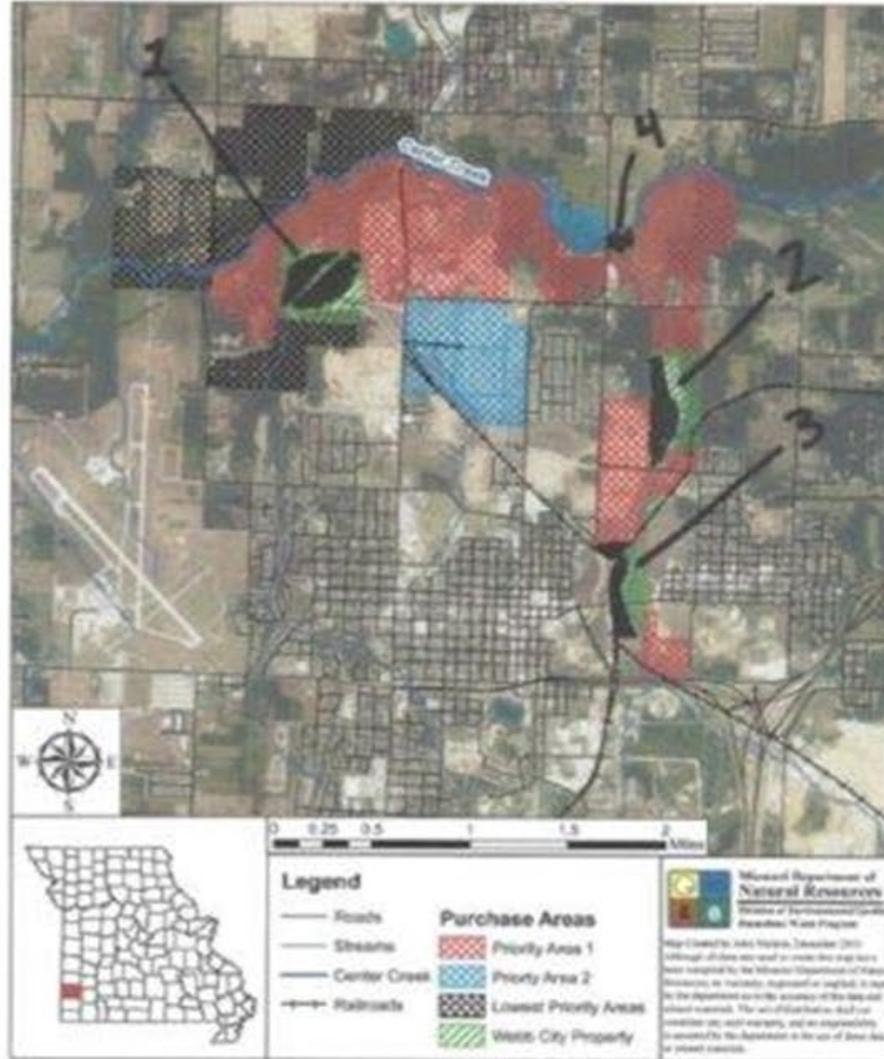
2013

Wetland Idea was brought up to use vegetation to absorb zinc

Bio solids mixed with other materials to create a topsoil that could be land applied

Mine land reparation projects were being sought

### Webb City Center Creek Bottoms Restoration Project



# FUNDING

---

## 201 Waste Water Board Consists of Three Cities

- Webb City
- Cartersville
- Oronogo
- Project was funded September 28, 2018
- Sludge drying and other needed improvements to treatment facility
- First estimate was \$2.75 million to achieve out goal
- 2015 bond election all three cities to authorize Missouri State Revolving Fund Loan Program
- Significant Savings versus conventional funding
- CWSRF interest savings estimated at approximately \$1,000,000 in interest over a 20 year term of the loan

# 2015

Worked with Trustees and DNR to establish the Cardinal Valley Natural Habitat Restoration Area

Future park areas but also a location to utilize the topsoil's produced within our compost program



# 2016/2017

---

## Permitting process underway

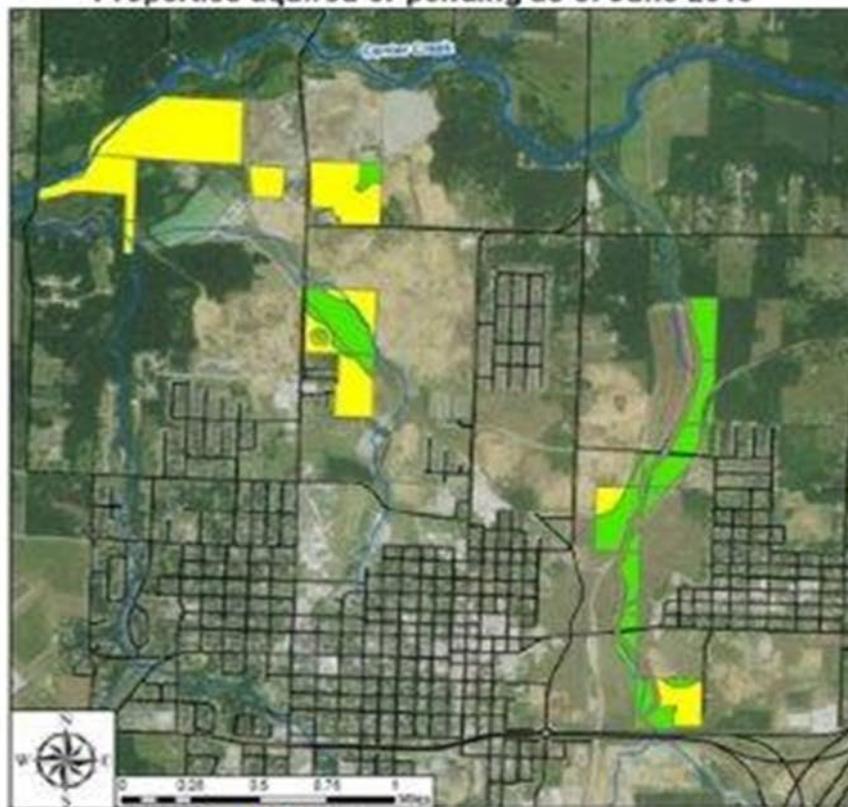
- Split location for sampling
- Extensive trial and testing of soil plots
- Compost testing
- Engineering required for improvements
- Perseverance to overcome the problems
- Worked together
  - DNR
  - EPA
  - MDC
  - USFW
  - Other State and Local Agencies

# 2015-2017

TEAMWORK HAS MADE A DIFFERENCE AND WILL CONTINUE TO IMPROVE THE DAMAGED LANDS



Webb City Restoration Project Area  
Properties aquired or pending as of June 2015



Missouri Department of  
**Natural Resources**  
Division of Environmental Quality  
Waterborne Waste Program

Map Created by John Trivette, June 2015

Although all data were used in good faith, the Missouri Department of Natural Resources does not warrant, represent or accept any liability for the accuracy of the data and/or the results of any analysis or interpretation of the data. The user of this information does so at their own risk, and the user assumes all responsibility for the accuracy of the data and/or the results of any analysis or interpretation.

**Legend**

- Derr's Branch Riparian Zone
- Ground Cover**
- Phase 1 - Capped
- Phase 2 - Not Capped

## CRIMSON CLOVER AND CROWN VETCH

Blue Indigo



CENTRIFUGE FACILITY FUNDED THROUGH THE STATE REVOLVING FUND LOAN PROGRAM



## COMPOST PROGRAM

Reduces damage to area farmlands

Creates park land to be enjoyed by all

Funding this project will save on both the environment and municipal costs for many years

