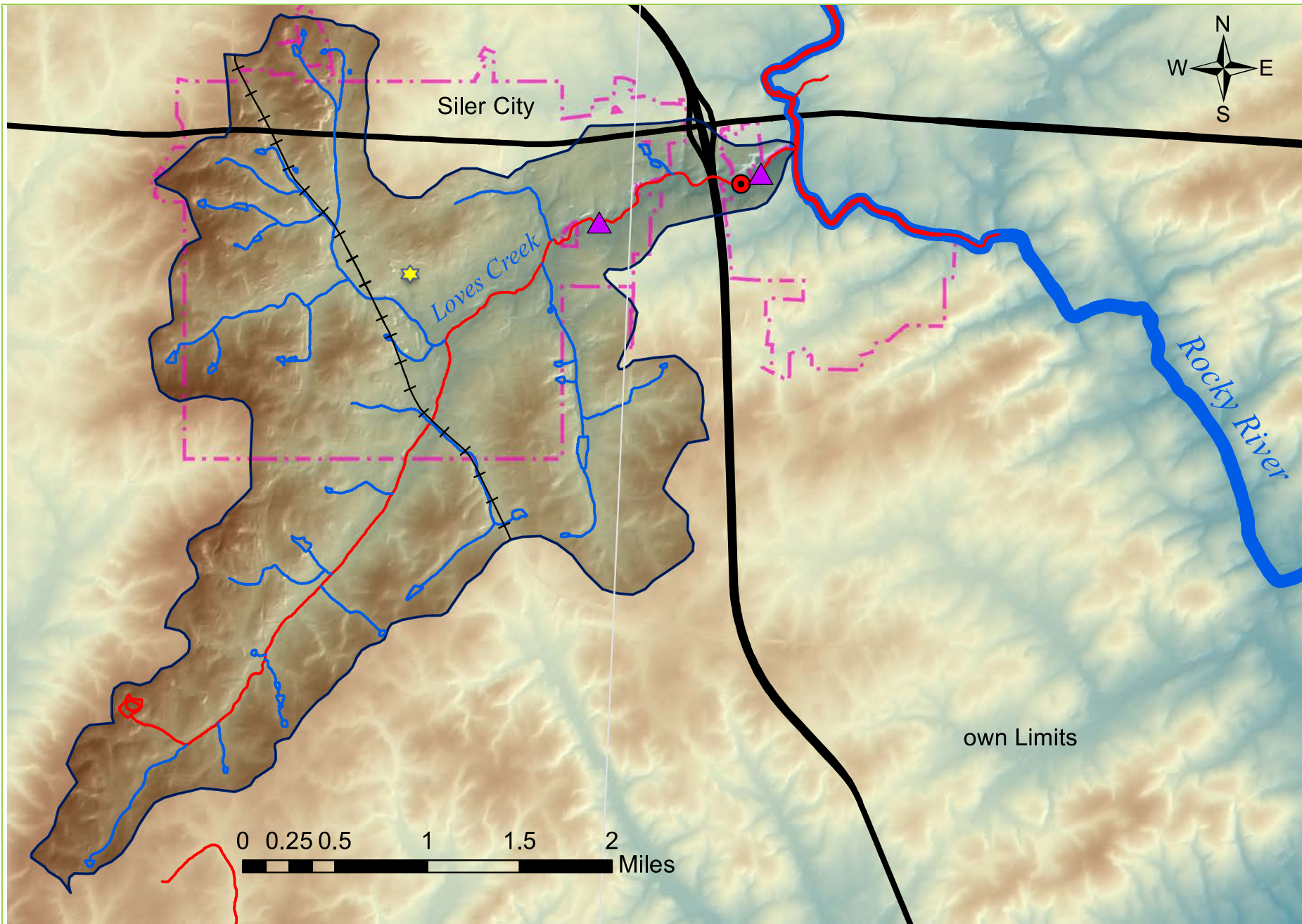


# Loves Creek Watershed Community Stewardship



Catherine Deiningner and Karen Hall, Biocenosis LLC





*Loves Creek Watershed*

# Loves Creek Watershed Stewards





# Loves Creek Watershed Stewards



# Boling Lane Park Stormwater BMP Project





# Water Quality Issues / Stormwater BMP (EPA Section 319)



Stormwater flow



Overland flow

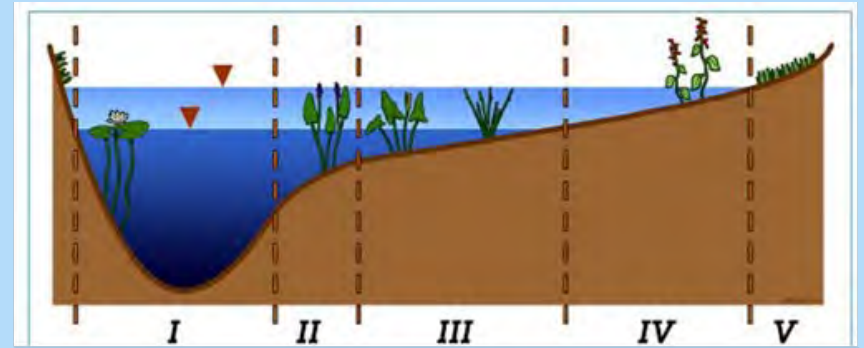


Bank erosion

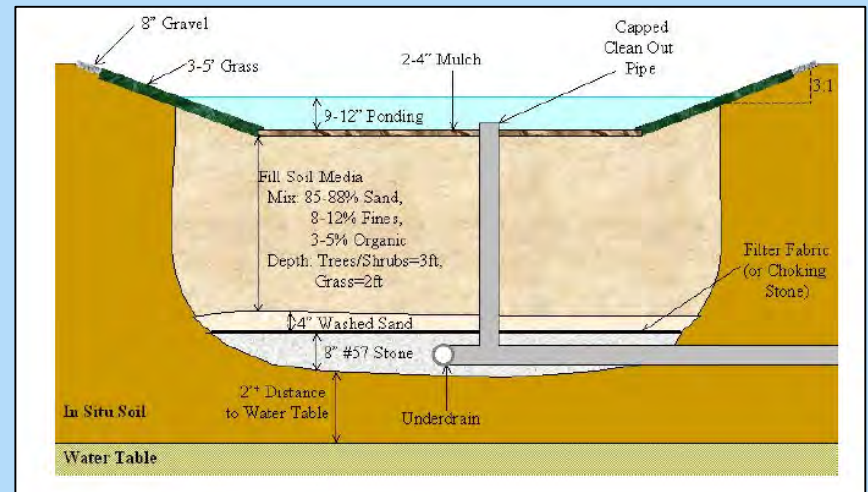


Direct stormwater discharge

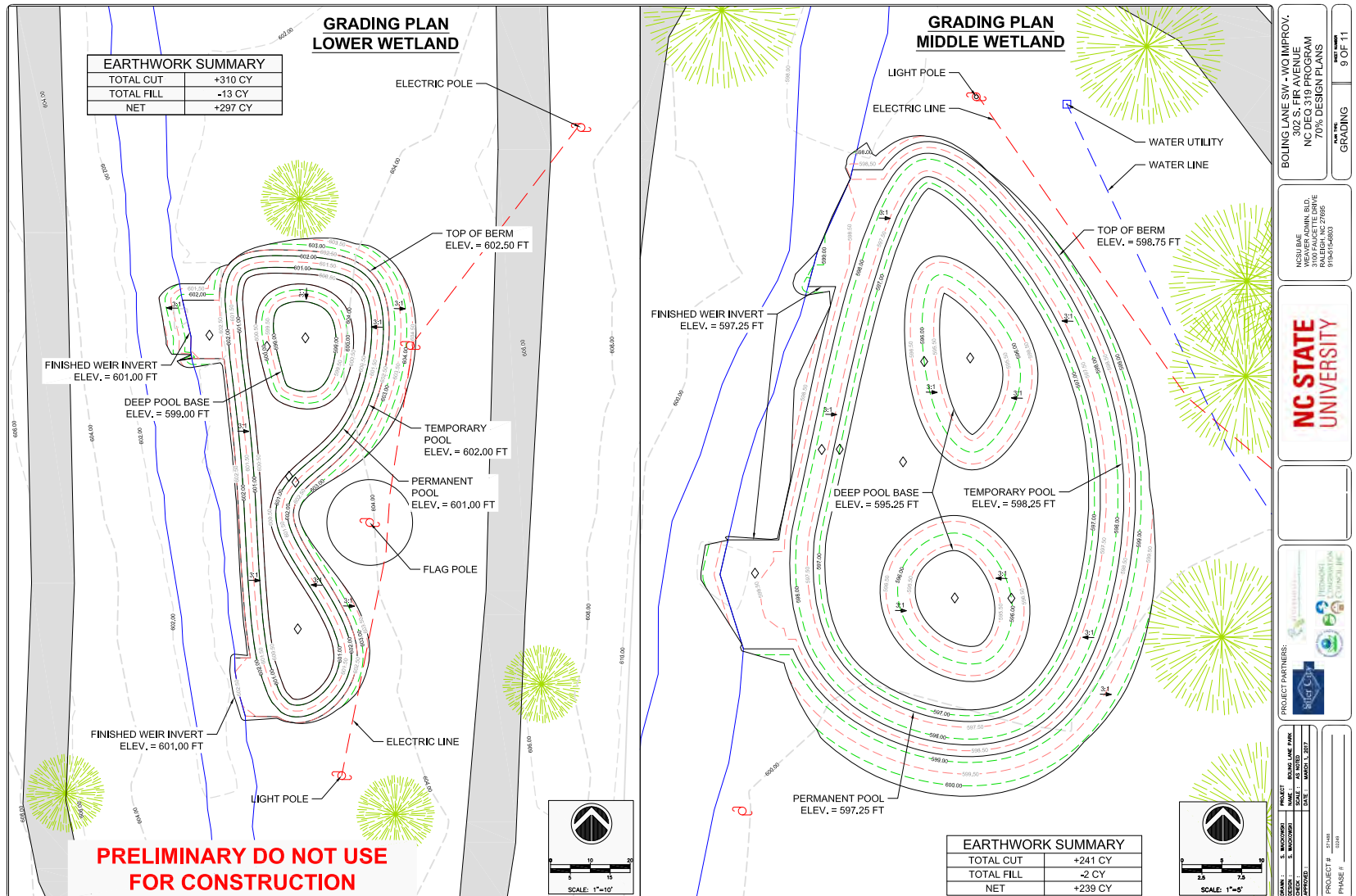
## Constructed Wetlands



## Bioretention Cells



# Constructed Stormwater Wetlands





# Constructed Stormwater Wetlands





# Park Shopping Center Feasibility Study (Clean Water Management Trust Fund)

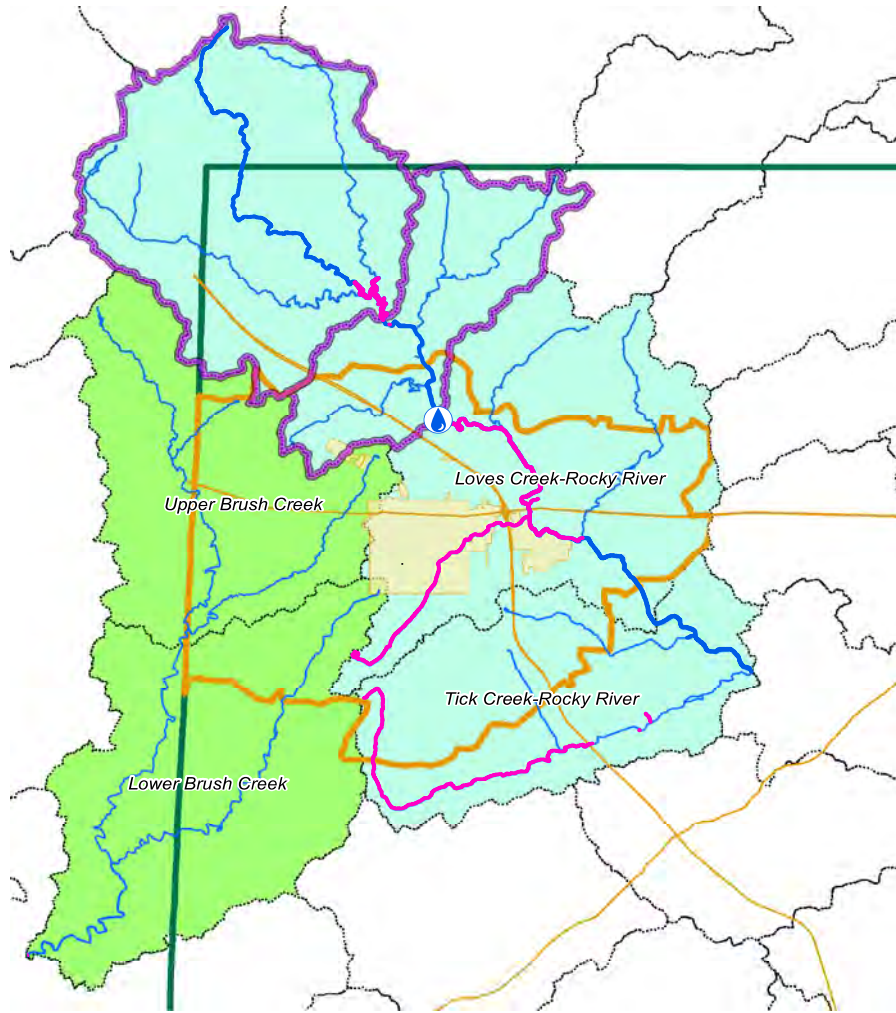








# Water Resource Planning Project (EPA Section 205 J)



source Planning Project for Siler City funded by 205 (j) WQ Management Planning Grant



TRIANGLE J COUNCIL OF GOVERNMENTS

# Green Growth Toolbox meeting

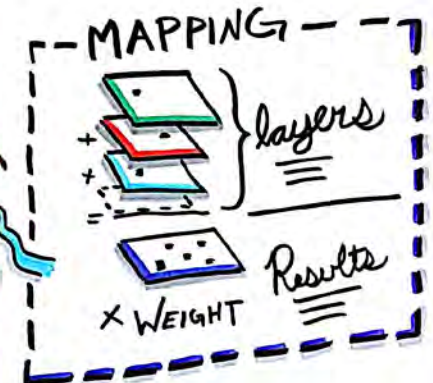




# SILER CITY

## GREEN GROWTH WORKSHOP

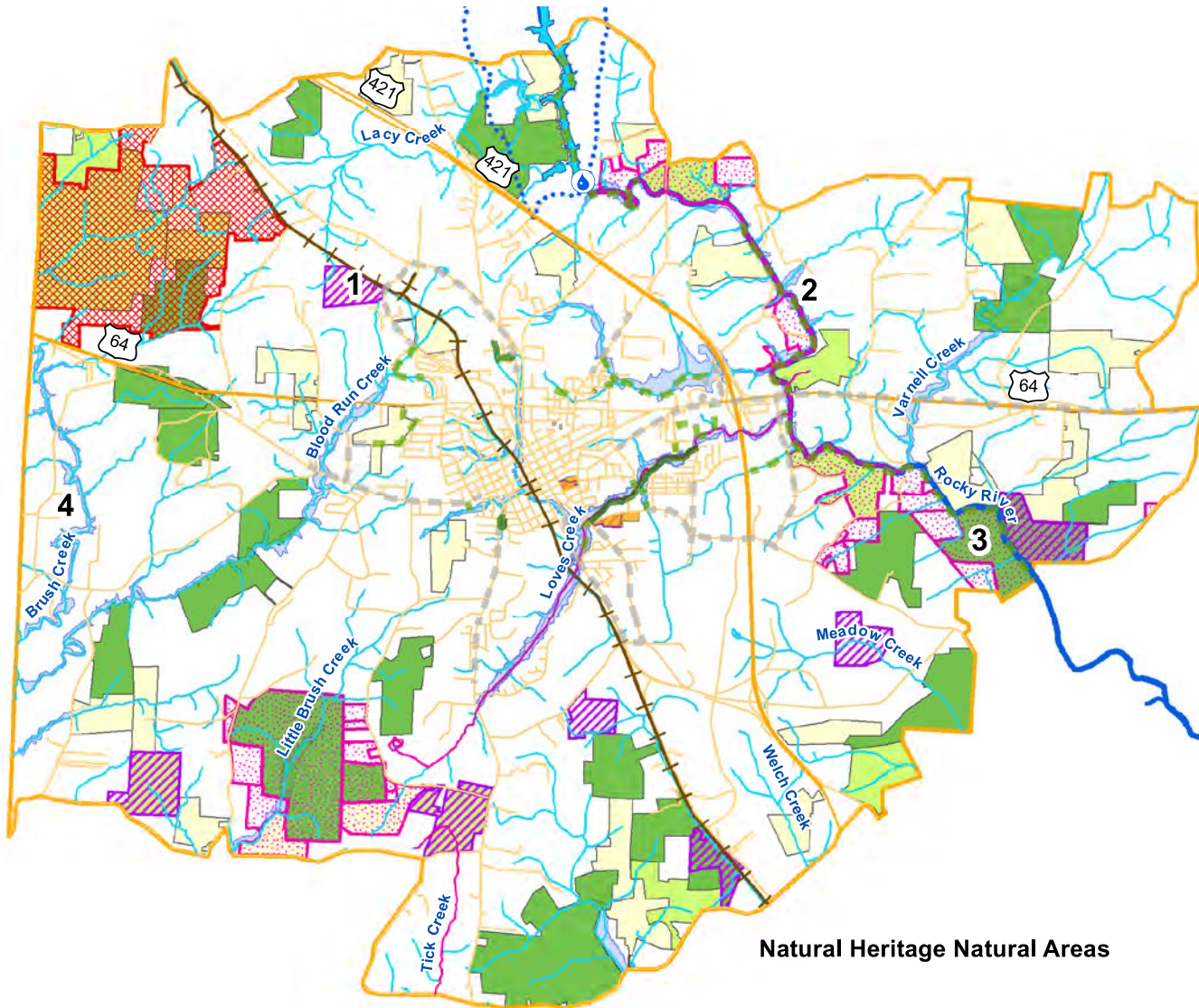
JUNE, 23  
2016



- WITH NATURE
- HEALTHIER
    - #LESS STRESS
    - #CLEANER WATER
  - POLLINATION
    - #BUZZ
  - LOWER COSTS
    - #WATER & DEVELOPMENT
  - LESS CONFLICT
    - #CERTAINTY & CLARITY
  - PROPERTY VALUE
    - #RESIDENTIAL & WORKING LANDS

- THE **PLAN**
- ★ PLACES THAT MATTER AND WHY (DATA VS. "MAP")
  - ★ GOALS & ACTIONS
    - ▶ STRATEGIES
    - ▶ POLICIES
    - ▶ PROGRAMS
  - ★ WHO, WHAT, WHEN, WHERE, HOW, WHY, PARTNERS, IMPLEMENT & ARR
  - ★ PRINCIPLES & CUSTOMIZED
- DEVELOPERS LOVE CERTAINTY**
- Visual Summary by MIKE SCHLEGEL @UNLOCKAWESOME
-





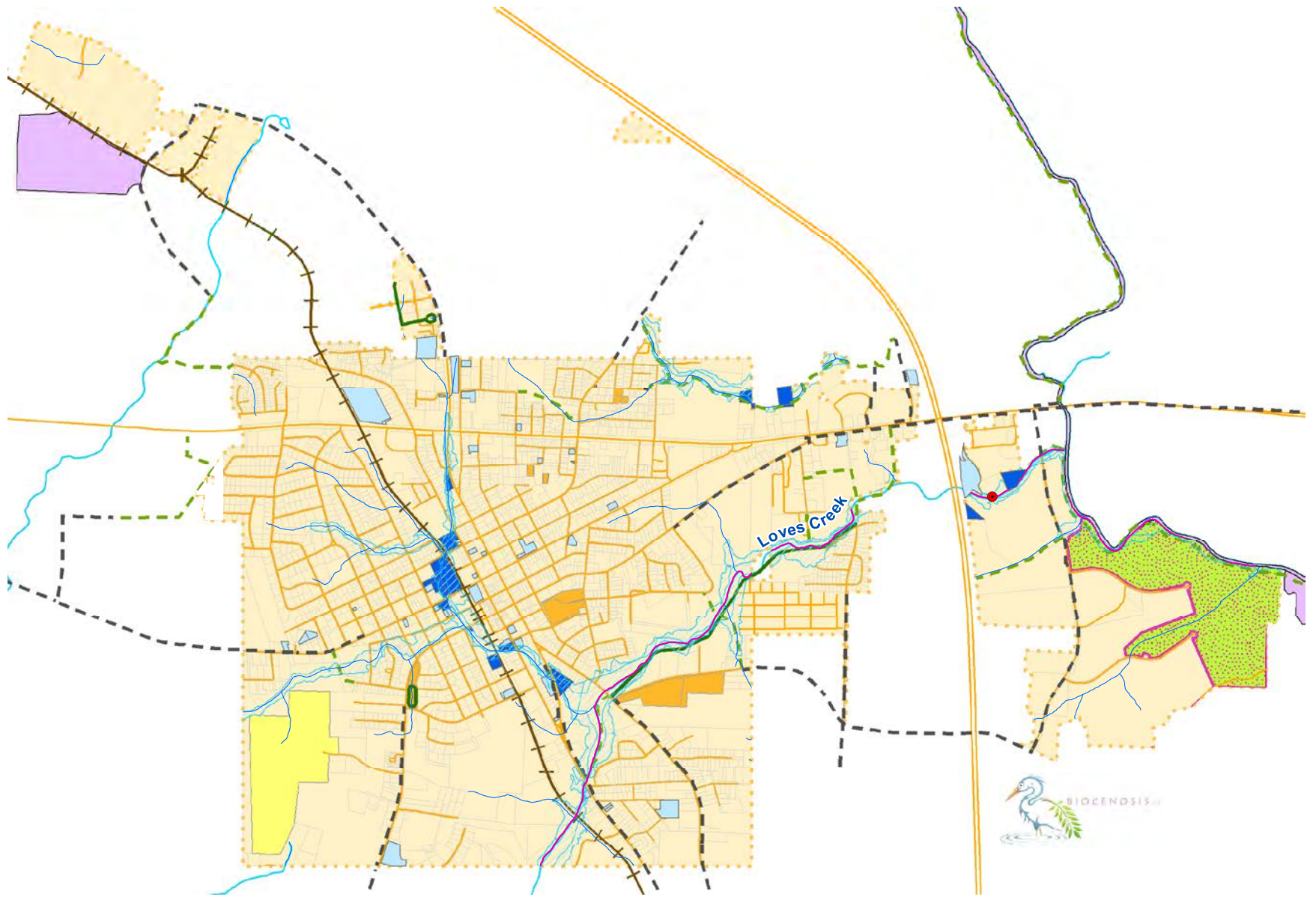
### Natural Heritage Natural Areas

cky River Basalt Bluffs & Levees  
 4. Brush Creek Aquatic Habitat / Deep River



TRIANGLE J COUNCIL OF GOVERNMENTS





ement Planning Grant

# Future Floodplain Park (Environmental Enhancement Grant)





Removal of old farm rubbish

Removal of kudzu

Removal house

Enhancement of floodplain

Naturalization of farm pond

Protection of wetlands

N

Sources: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroX, GeoMapping, AeroGRID, IGN, iCPS, swisstopo, and the GIS User Community



# Thank you



## Grant Funding

- NC Section 319 NonPoint Source Pollution Control
- NC 205 J Water Quality Planning Grant
- NC Attorney General's Office Environmental Enhancement Grant
- Clean Water Management Trust Fund

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*Sketches by Emma Skurnick*