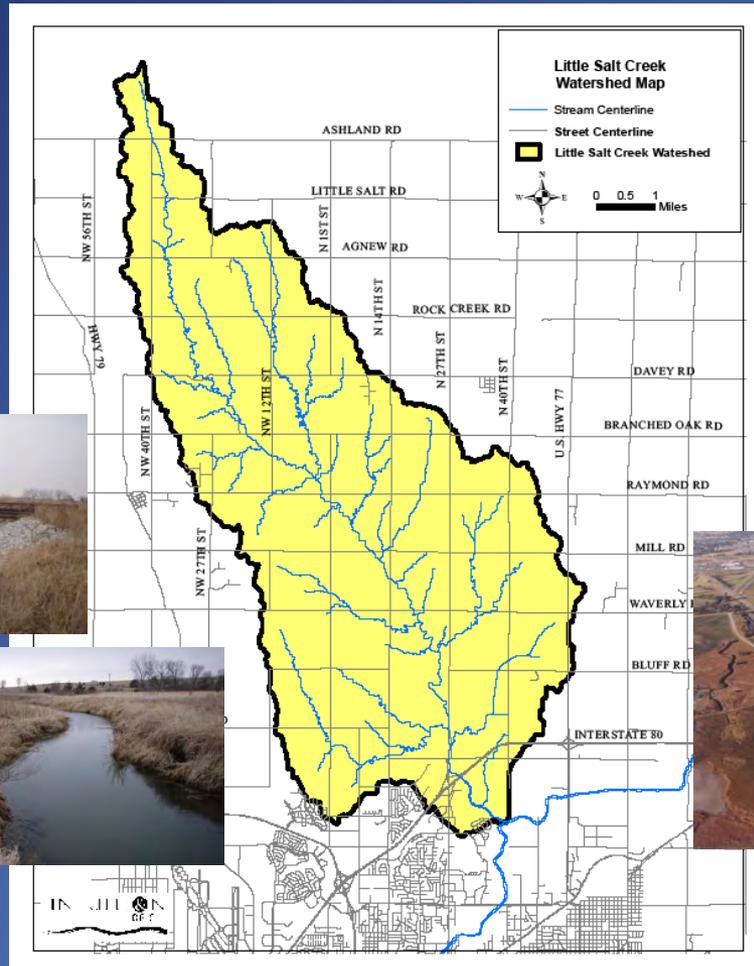


# Little Salt Creek Watershed Master Plan



# Open House Format

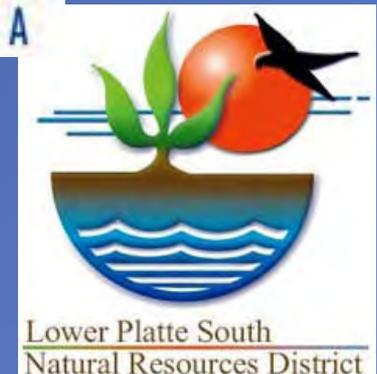
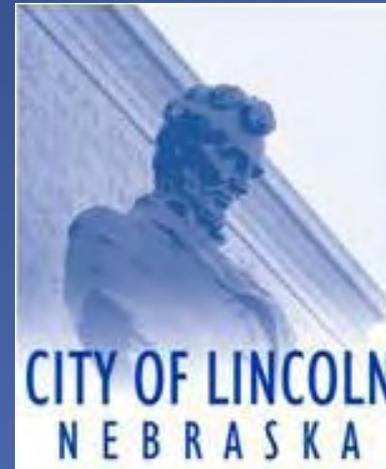
- **Formal Presentation (15 minutes)**
- **Informal Stations Following Formal Presentation**
  - **Visit with Project Team Staff**
  - **Ask Specific Questions**

# Tonight's Agenda

- **Introduction**
- **Purpose of Watershed Master Plan**
- **Study Goals and Objectives**
- **Information Stations**

# Lincoln Watershed Management/ NRD Partnership

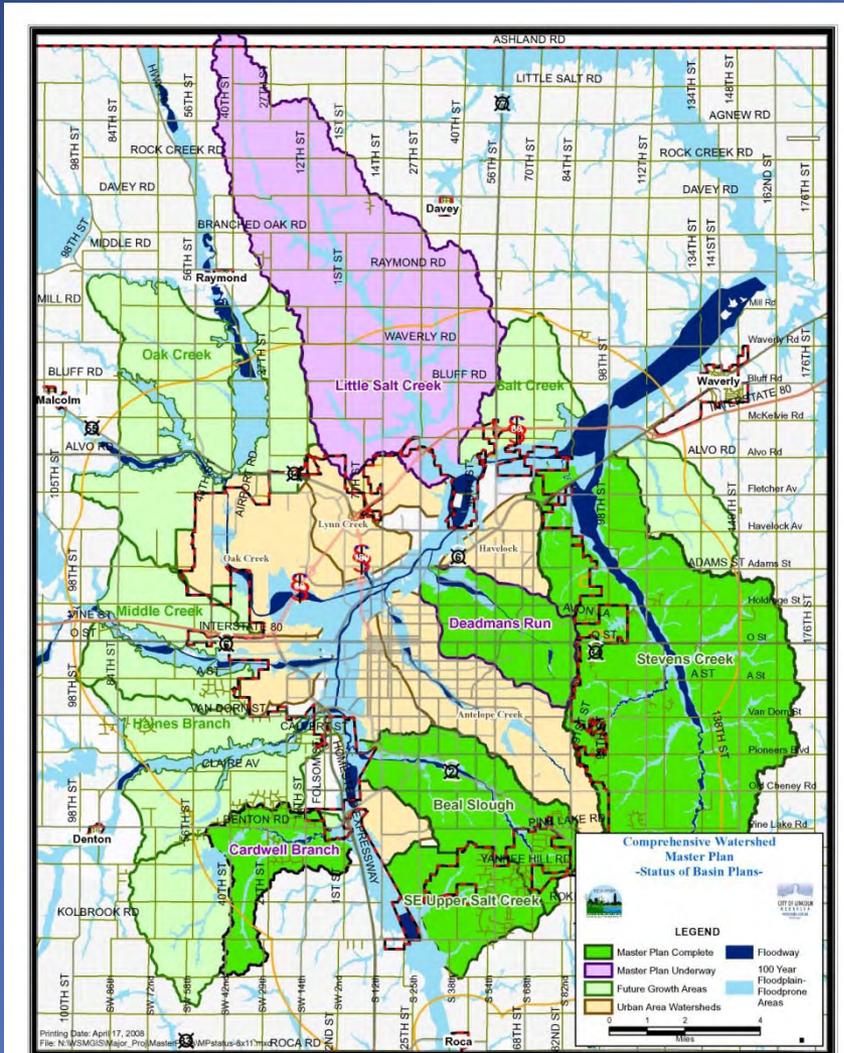
- Minimize Flood Damage
- Control Erosion & Sedimentation
- Preserve Watershed Resources
  - Water Quality
  - Stream Stability
  - Riparian Habitat
- Encourage Sustainable Growth



...Ensuring Quality of Life for Future Generations

# Watershed Master Planning

- City/NRD Planning Effort
- Watershed Master Plans Completed
  - Beal Slough
  - SE Upper Salt Creek
  - Steven's Creek
  - Cardwell Branch
  - Deadman's Run
- Overall Goals
  - Unified Master Plan
  - Integrate Public Input



# **Little Salt Creek Watershed Master Plan**

## ***Goals & Objectives***

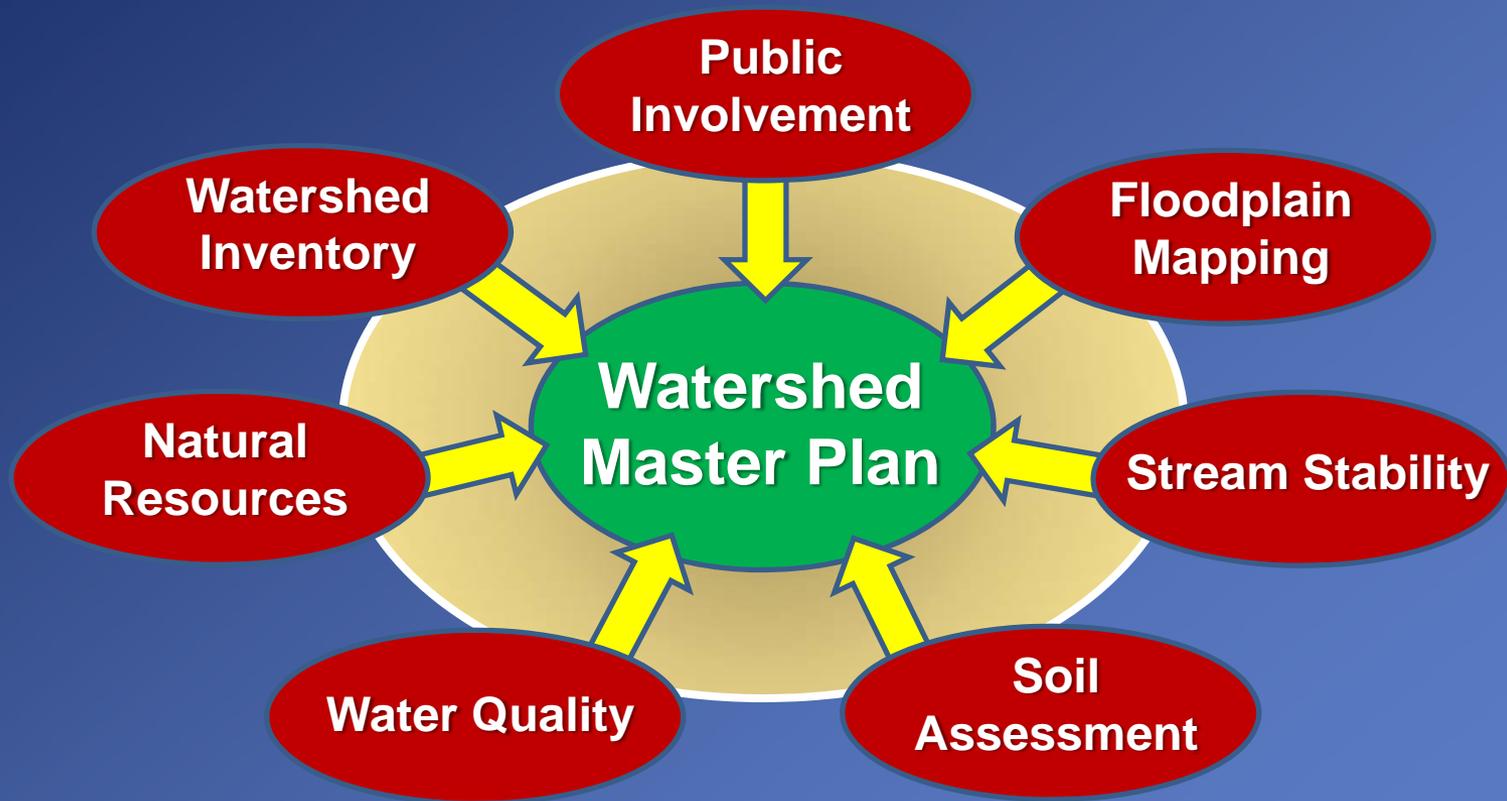
**Goal - Develop long-term planning tools and improvement projects to address water quality, flood management, and stream stability and provide guidance for sustainable urban growth in the watershed**

### **Study Objectives**

- **Maintain a Proactive Stakeholder and Public Involvement process**
- **Update Floodplain and Floodway Maps**
- **Identify Flooding, Erosion, and/or Water Quality Problems**
- **Consider Critical Habitat and Rare or Sensitive Environmental Resources**
- **Develop Guidelines and Recommendations for Future Development**
- **Identify Potential Funding Sources for Future Studies and/or Projects**

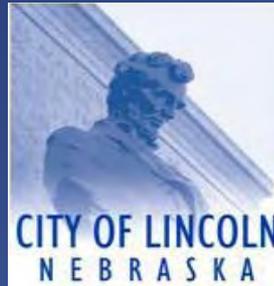
# Little Salt Creek Watershed Master Plan

## *Major Study Components*



# Project Team

## Team Leaders



## Engineering Consulting Team



## Other Agency Team Members

Lincoln Lancaster County Planning Department

# Public Involvement

- Open House
- Newsletters
- Website

[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

Keyword “watershed”

- Citizen Advisory Committee (CAC)





## WATERSHED NEWS

APRIL 2008

A Publication Sponsored by the  
City of Lincoln and the Lower Platte South Natural Resources District (NRD)

### LITTLE SALT CREEK WATERSHED MASTER PLAN



#### Introduction

The City of Lincoln (City) and Lower Platte South Natural Resources District (LPSNRD) staff, as well as other planning and design engineers, are developing the Little Salt Creek Watershed Master Plan. The Little Salt Creek Watershed is located north of the City of Lincoln and flows into Salt Creek just southeast of I-80 at 27th Street. The objective of the study is to develop a master plan that will proactively forecast, evaluate, and manage stormwater quantity and quality, channel stability, maintenance and operations, and financial impacts as well as environmental impacts that are occurring today or are projected to result from future development or other changes in the basin. The master plan will consider potential impacts to unique and sensitive environmental resources in the watershed, including rare saline wetlands, the state-endangered salwort plant (*Salicornia rubra*) and the Salt Creek Tiger Beetle (*Cicindela nevadica lincolntana*). This project will also include hydraulic and hydrologic modeling to determine flood prone areas. All information gathered will be provided in a Geographic Information System (GIS) format compatible with the City of Lincoln's GIS database.

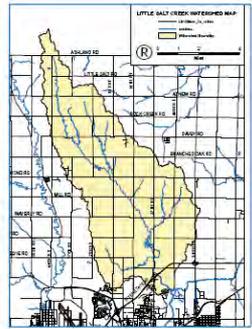
We are beginning Phase I of this multi-phase project. This phase includes:

- A watershed inventory to collect, compile and evaluate existing data about the watershed.
- A geomorphic analysis to determine potential erosion and other stream stability issues along Little Salt Creek and its tributaries.
- Hydrologic and hydraulic models to determine flood prone areas.
- Preliminary identification of Best Management Practices (BMPs) and/or Capital Improvement Projects (CIPs) to address problem areas.
- Prioritization of problem areas based on degree of flooding or erosion, potential impacts to environmental resources, importance of habitat resource protection, and location relative to the future growth of Lincoln.

#### Future Phases

Future phases of this project may include the following:

- Revising the FEMA Digital Flood Insurance Rate Maps (DFIRMs) for the area downstream of the 14th Street bridge.
- A limited stream bioassessment.



(Continued on page 2)

WATERSHED NEWS

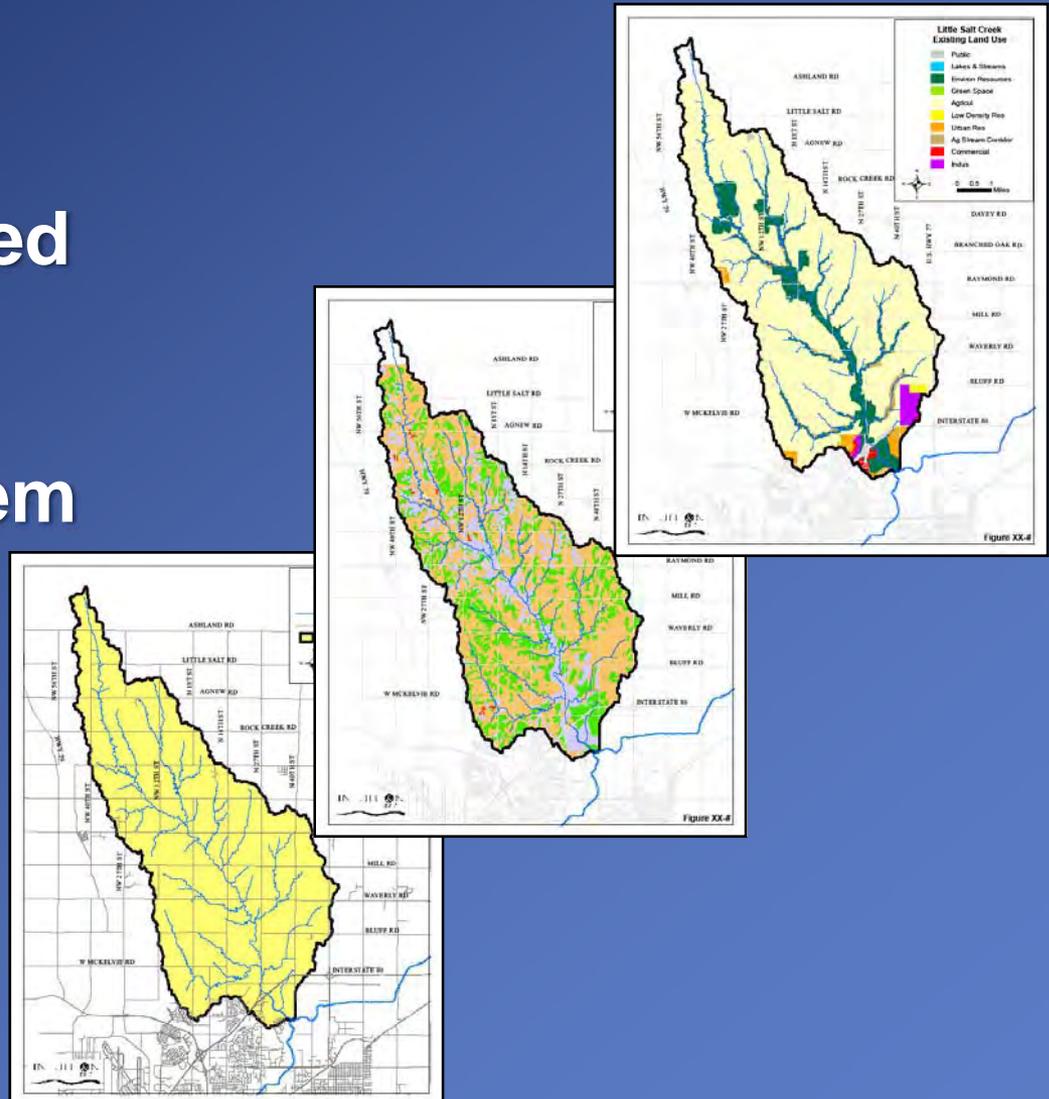
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# Citizen Advisory Committee

- David Grimes
- Gary Hellerich
- Don Helmuth
- Chris Helzer
- Larry Hudkins
- Merle Jahde
- Susan Kuck
- Jack Nagel
- Gene Petersen
- David Potter
- Harold Roper
- Dave Sands
- John Schleich
- Vicky Wheeler
- Mark Whitehead

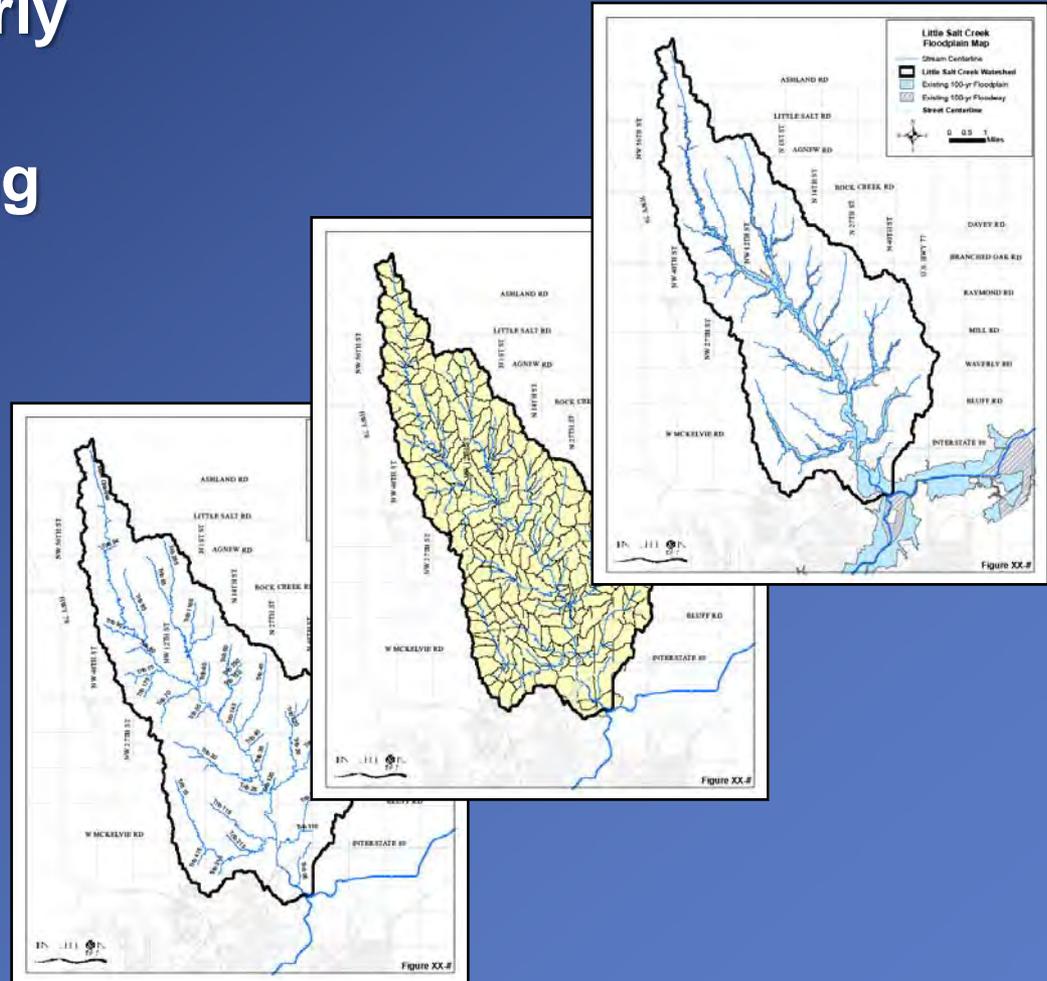
# Watershed Inventory

- Collect, Compile, and Evaluate Existing Watershed Data
- Geographic Information System Format (GIS)
- Study Data Collected in GIS Format



# Floodplain Mapping

- Last Updated in Early 1980s
- Develop Maps Using Latest Technology
  - Computer Models
  - GIS Format Output



# Stream Stability

- Geomorphic Data Collection
- Stream Characteristics
- Identify Potential Future Stream Characteristics



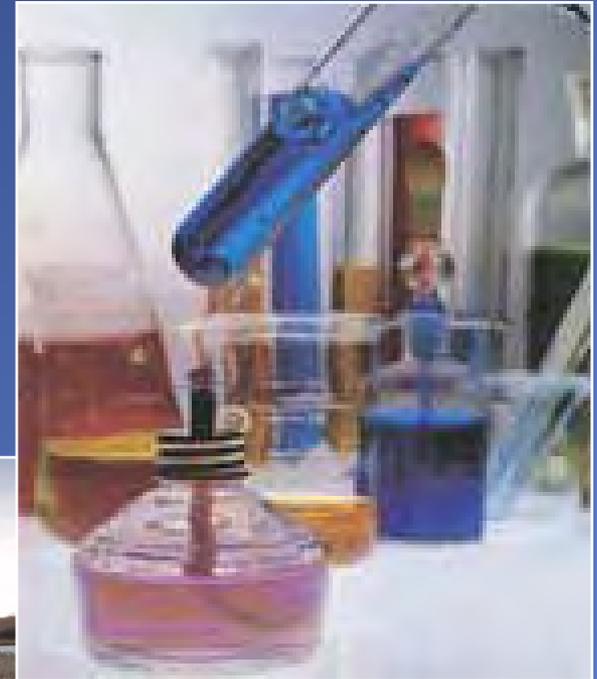
# Natural Resources

- **Agriculture**
  - Cropland
  - Pasture
  - Native Prairie
- **Environmental**
  - Tiger Beetle
  - Saline Wetlands
  - Saltwort
- **Streams/Waterways**



# Water Quality

- Stream Bioassessments
- Water Quality Assessment



# Soil Assessment

- Identification of Dispersive Soils
- Field Sampling and Laboratory Testing
- Identify Apparent Seeps in Stream Banks





# Information Stations

- **Five Information Stations**
  1. **Public Involvement**
  2. **GIS**
  3. **Floodplain Mapping**
  4. **Stream Stability**
  5. **Natural Resources**
- **Visit with Project Team Staff**
- **Ask Questions**
- **Comment Cards**