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CITY OF AUSTIN FLOOD MITIGATION PROGRAM



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FACTS - CITY OF AUSTIN

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|------------------------|---|-------------------------------------|
| POPULATION | - | 23,500 |
| COUNTY SEAT | - | MOWER COUNTY |
| ECONOMIC BASIS | - | AGRICULTURE, FOOD INDUSTRY |
| MAJOR EMPLOYERS | - | HORMEL FOODS, INC. |
| | - | AUSTIN PACKAGING |
| | - | WEYERHAUSER |
| | - | AUSTIN MEDICAL CENTER (MAYO) |



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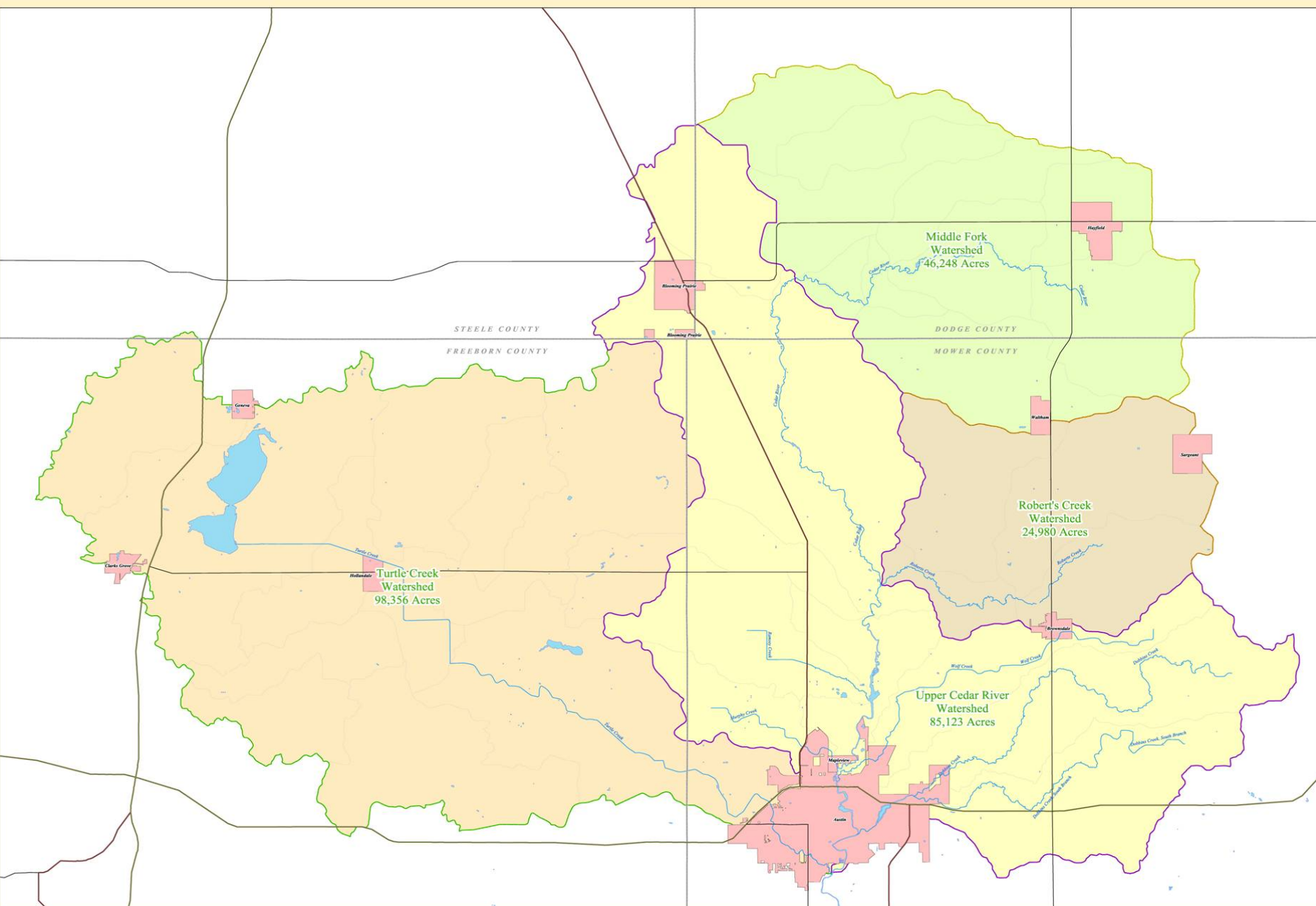
FLOOD MITIGATION EFFORTS IN AUSTIN



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WHERE IS ALL THE WATER COMING FROM?

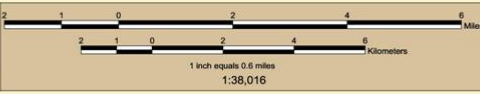
- **TO UNDERSTAND FLOODING IN AUSTIN YOU HAVE TO HAVE GENERAL INFORMATION REGARDING THE WATERSHED AND THE STREAMS THAT IMPACT THE COMMUNITY.**
- **AUSTIN IS THE CONFLUENCE OF THREE DIFFERENT STREAMS THAT MAKE UP THE UPPER CEDAR RIVER WATERSHED**
 - 1) **CEDAR RIVER**
 - 2) **TURTLE CREEK**
 - 3) **DOBBINS CREEK**



Legend

| | | | |
|-------------------|----------------|-------------------|------------|
| Upper Cedar River | Turtle Creek | County Boundaries | Interstate |
| Middle Fork | Robert's Creek | Municipalities | US Highway |
| Streams and Lakes | Streams | State Highway | |

UPPER CEDAR RIVER WATERSHED PROJECT AREA



This map was produced by the Filmore Soil and Water Conservation District for the Filmore Soil and Water Conservation District.

Date: December 10, 2004
Produced by: Jeremy Maul
Filmore SWCD

Note: This information provided in this program has been compiled from various sources and is intended to provide a general overview of the project area. It is not intended to be used as a legal document or for any other purpose. The user assumes all responsibility for the use of this information. Please refer to the project description for more information.

SWCD
Soil and Water Conservation District
1000 1st Street SW
Filmore, MN 56005
612-355-3812

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FLOOD HISTORY

- **FIVE HIGHEST FLOODS HAVE OCCURRED SINCE 1978**
- **FLOOD EVENTS NOW OCCUR IN SUMMER VS. SPRING RUNOFF**
- **LAND USE HAS BECOME MORE DEVELOPED THUS GREATER IMPACTS**
- **CITY OF AUSTIN HAS ACQUIRED 250 RESIDENTIAL HOMES AS PART OF OUR FLOOD MITIGATION PROGRAM**
- **WITH INCREASED FLOODING LEVELS, THE IMPACTS ON OUR COMMERCIAL /INDUSTRIAL PROPERTIES HAVE INCREASED**

DOCUMENTED
TEN HIGHEST KNOWN FLOODS IN ORDER OF FLOW MAGNITUDE
CEDAR RIVER AT AUSTIN, MN

| <u>DATE OF FLOOD</u> | <u>GAUGE HEIGHT (FT.)</u> | <u>MAXIMUM DISCHARGE</u> <u>(c.f.s.)</u> |
|----------------------|---------------------------|---|
| September 15, 2004 | 25.00 | 20,000 |
| July 10, 2000 | 22.90 | 15,500 |
| July 17, 1978 | 20.35 | 12,400 |
| August 15, 1993 | 19.43 | 10,800 |
| July 7, 1978 | 18.14 | 10,200 |
| March 29, 1962 | 17.18 | 9,530 |
| March 1, 1965 | 18.87 | 9,400 |
| March 26, 1950 | 17.81 | 8,800 |
| July 2, 1983 | 17.01 | 8,690 |
| April 6, 1965 | 16.21 | 8,410 |

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STUDIES

- **1969 CORP. OF ENGINEERS STUDY**
- **1979 CORP. OF ENGINEERS STUDY**
- **1979 FLOOD INSURANCE STUDY**
- **2001 FEMA PROPERTY ACQUISITION STUDY**
- **2002 CORP. OF ENGINEERS STUDY**
- **2002 CITY OF AUSTIN HAZARD MITIGATION PLAN**
- **2004 FEMA POST EVENT MITIGATION STUDY**
- **2005 CITY OF AUSTIN NORTH MAIN STUDY**

PROPOSED PROJECT

- **PROJECT**

North Main Structural Mitigation

- **STUDY**

City of Austin authorized a Mitigation Study to look at options to protect the North Main area. Study cost approximately \$90,000 which was funded with local dollars.

- **PROJECT SCOPE**

Project scope was to evaluate the feasibility and determine the costs to structurally protect the property along and adjacent to North Main.

- **PROJECT NEED**

Property in this area has been significantly impacted by more severe and more frequent flooding events. This project would protect the following:

- Hormel Foods Inc. Flagship Plant
 - Employs 1,550 people
 - Processes 19,000 hogs/day
 - Plant had to be shut down during the 2004 flood
 - Discharges 2.1 MGD wastewater
 - Business interruption, \$630,000/day
 - Value to the agricultural community, \$3,000,000/day
- Quality Pork Processors
 - Employs 1,400 people
- Hormel Corporate Office South
 - Employs 200 people
 - Spam Museum – 100,000 visitors/year
 - Hormel Computer Center

PROPOSED PROJECT – Continued

- **PROJECT NEED – Continued**

- APC – Food Packaging Plant
 - Employees 275 people
 - \$7,000,000 Annual Payroll
 - Experienced \$4,300,000 of damages in the last two floods
- Mayo Medical Center
 - 6,000 Patient visits
 - Employs 900 people
 - Infrastructure of the Medical Center was threatened
- Numerous Commercial Businesses
 - Suffered severe financial losses

- **PROJECT BENEFIT**

- Provide flood protection to developed commercial and industrial property
- Grow industrial job base
 - APC
 - Hormel Foods Corp.
- Provide stability to existing industrial and commercial businesses

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PROPOSED PROJECT COST

- **Project Cost/Description**

- Total Cost \$10,500,000
- Twelve Phases of Work
- Property Acquisition
- Structural Walls and Berms

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COMMUNITY GOAL

• THE ULTIMATE GOAL FOR THE CITY OF AUSTIN IS TO REMOVE OR PROTECT ALL STRUCTURES IN THE FLOOD PLAIN. WE ARE NOT THERE YET, BUT WITH CONTINUED EFFORTS, FLOOD DAMAGES TO THE COMMUNITY HAVE BEEN AND CAN BE SIGNIFICANTLY REDUCED.



BY SPENDING TIME AND ENERGY TOWARD FLOOD MITIGATION TODAY, WE CAN
LESSEN THE COSTS OF DISASTERS TO OUR COMMUNITY TOMORROW.

