

Guadalupe River Basin Clean Rivers Program

2003

Steering
Committee Meeting



Guadalupe River Basin Clean Rivers Program

2003 Activities and Deliverables

Project Administration:

Progress Reports and Invoicing

Management of Sub-Agreements with

UGRA and PBS&J

Attendance on CRP meetings

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2003 Activities and Deliverables

Quality Assurance:

Develop and maintain Quality Assurance Project Plan

Develop QAPP for special studies

Coordinated Monitoring Meetings

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2003 Activities and Deliverables

Water Quality Monitoring:

Routine:

19 Monitoring Sites – Monthly (GBRA)

7 Monitoring Sites – Quarterly (GBRA)

10 Monitoring Sites – Quarterly (UGRA)

18 Sites Biological/Habitat Assessments (GBRA
and UGRA)

12 Sites Metals – Annually (GBRA and UGRA)

19 Sites E. coli – May thru August (UGRA)

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Water Quality Monitoring (cont.):

Systematic:

Plum Creek at Plum Creek Road – two years

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2003 Activities and Deliverables

Water Quality Monitoring (cont.):

Special studies:

Sulfate Study of the Upper Blanco River
Watershed

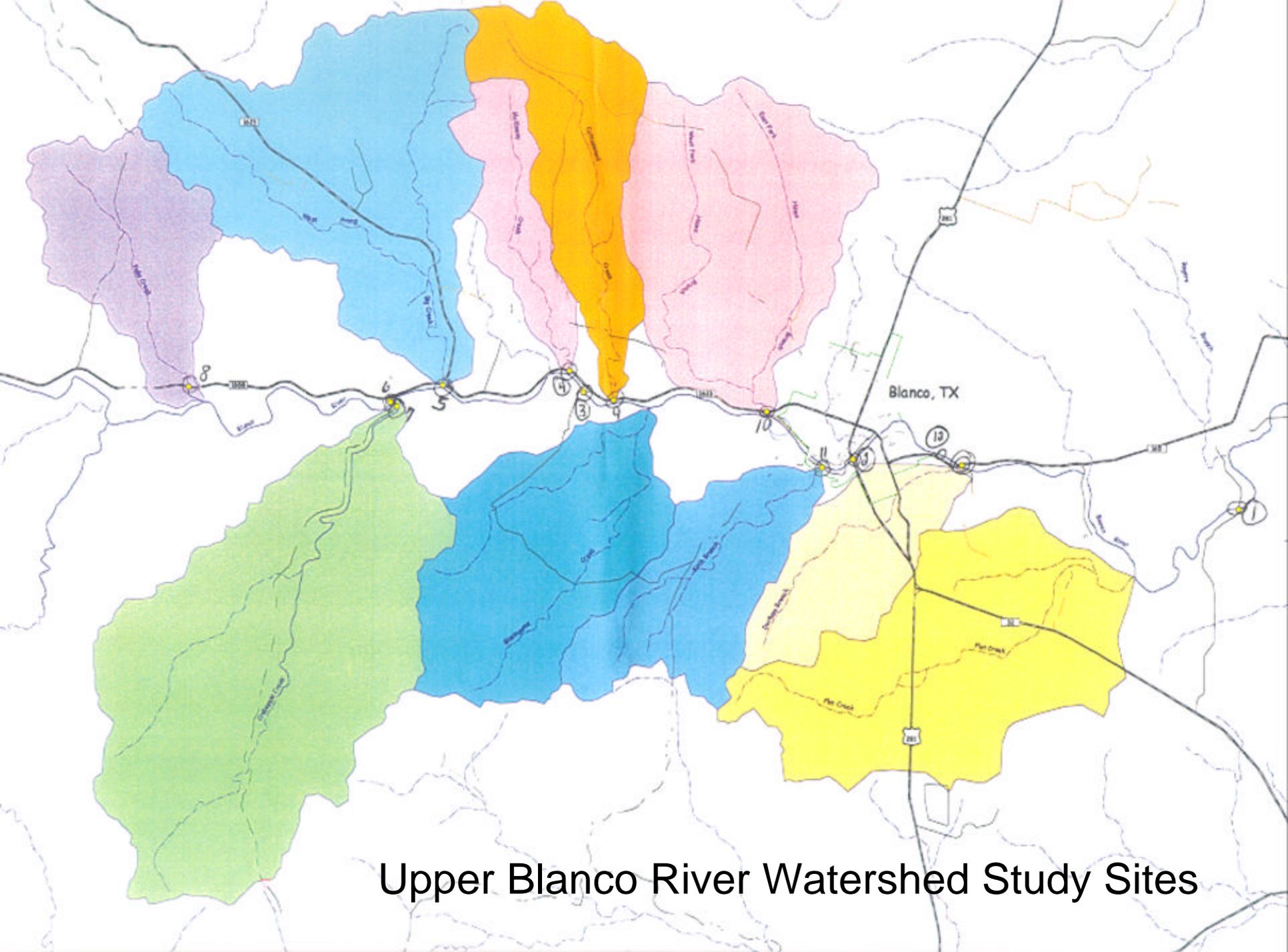
Investigation of Impact of Oil Field Activities on
the San Marcos River and Plum Creek in
Caldwell County

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2002 Activities and Deliverables

Sulfate Study of the Upper Blanco Watershed

- Two phases
- 12 locations – main-stem and tributaries
- Phase 1 – monthly monitoring for sulfate, temperature, conductivity and flow
- Phase 2 – monitoring in areas with elevated sulfate concentrations

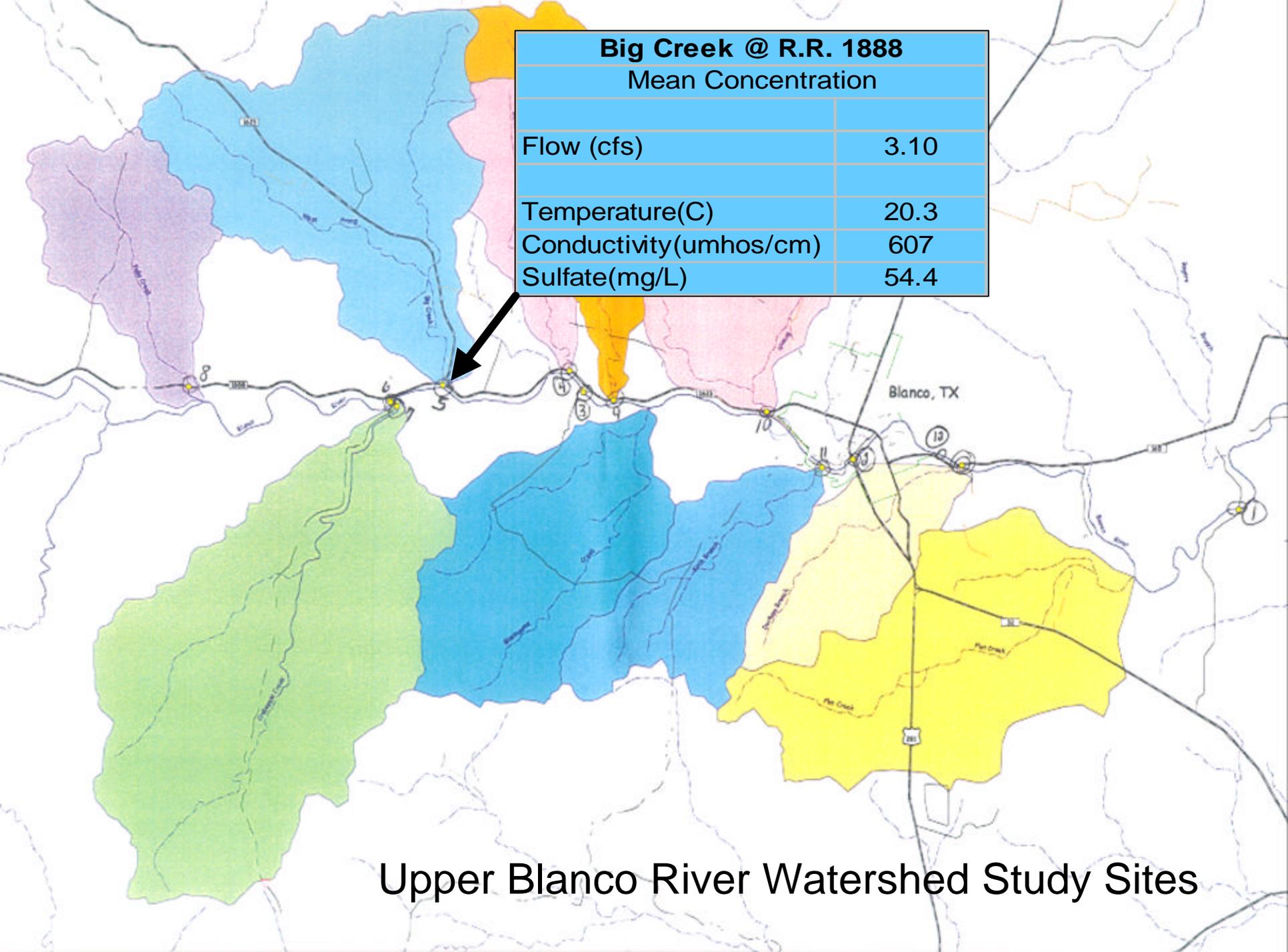


Upper Blanco River Watershed Study Sites

Big Creek @ R.R. 1888

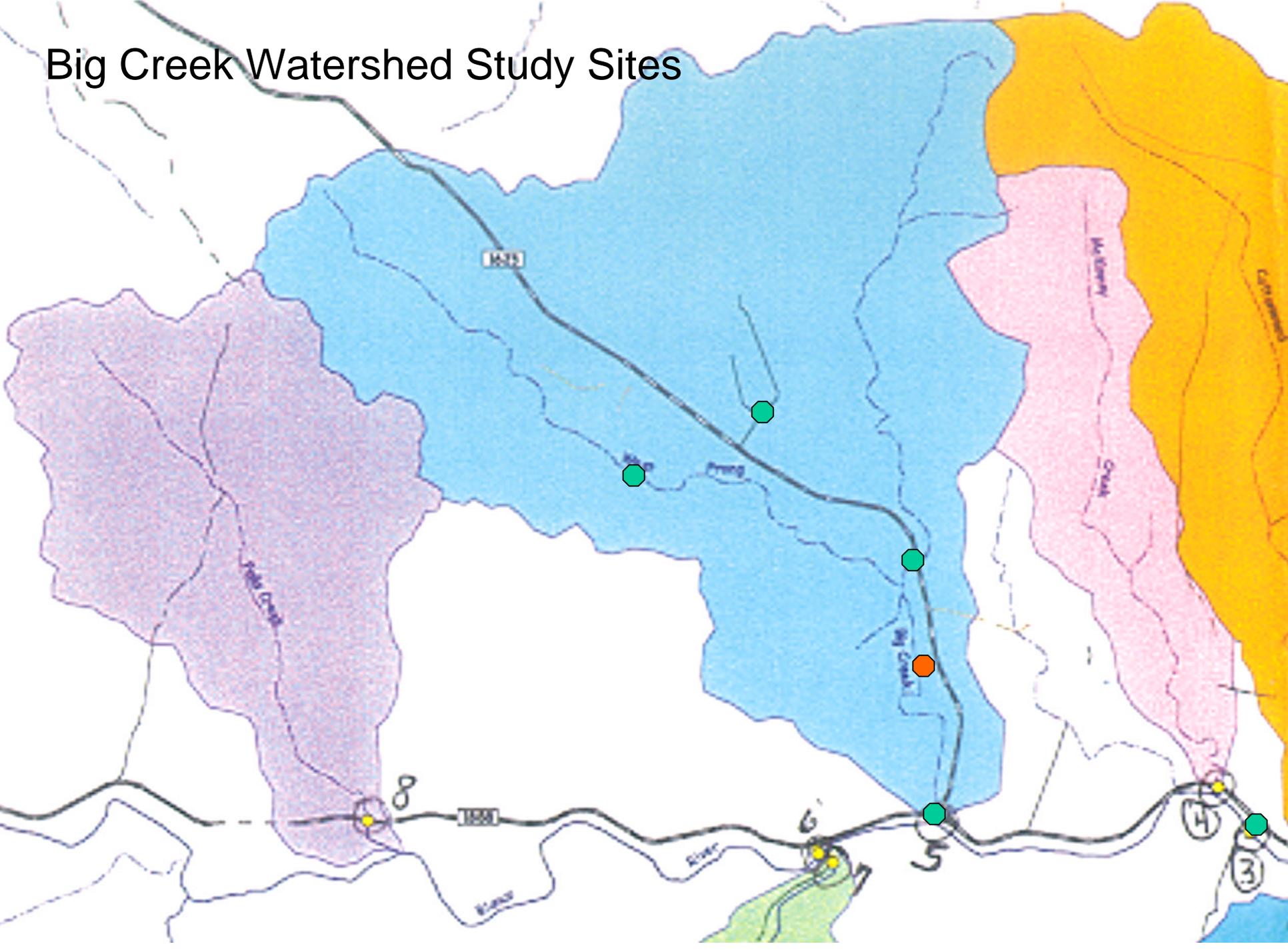
Mean Concentration

Flow (cfs)	3.10
Temperature(C)	20.3
Conductivity(umhos/cm)	607
Sulfate(mg/L)	54.4



Upper Blanco River Watershed Study Sites

Big Creek Watershed Study Sites

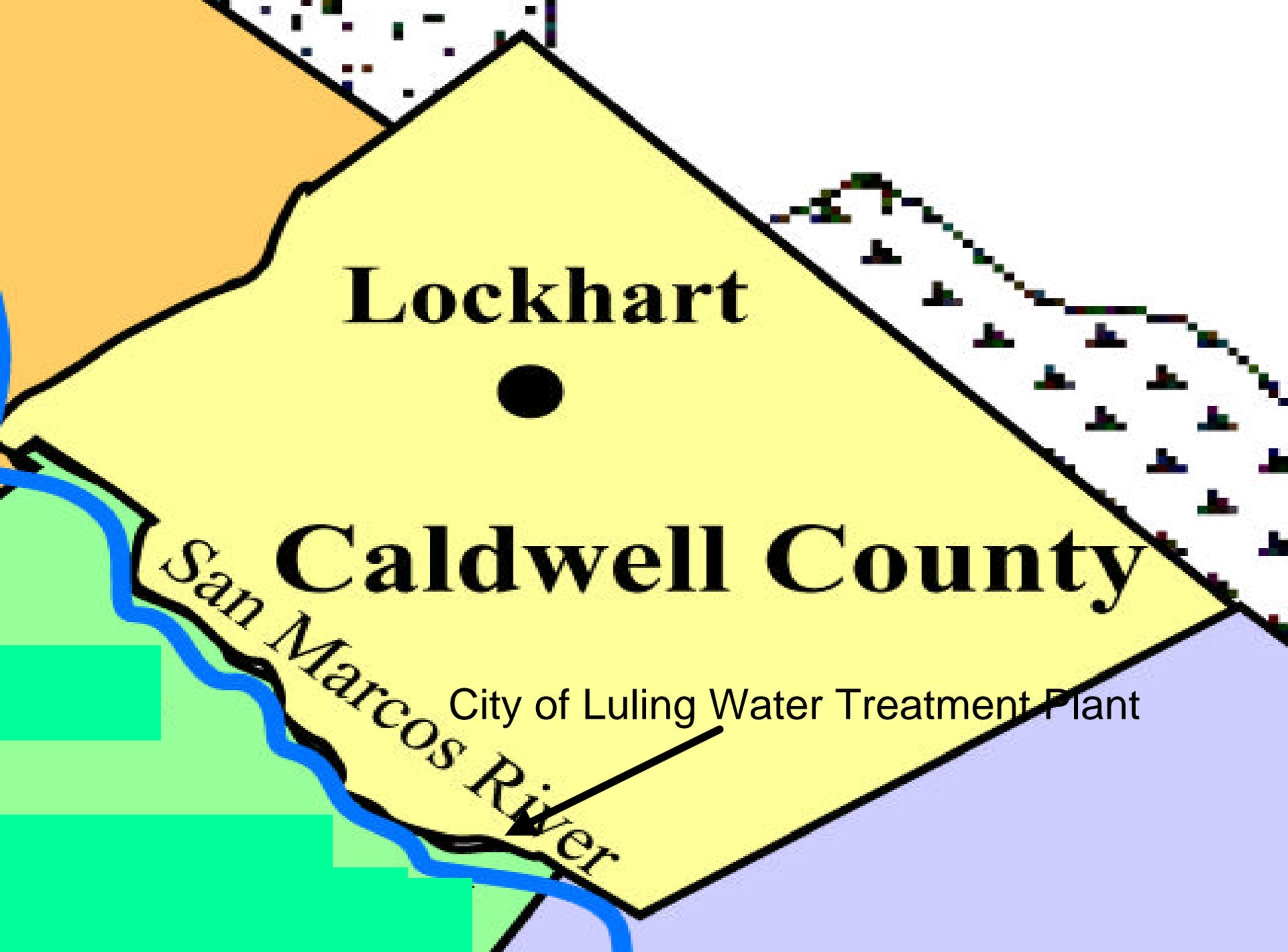


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2003 Activities and Deliverables

Investigation of Impact of Oil Field Activities on the San Marcos River and Plum Creek in Caldwell County

- Began monitoring in September 2002
- Two sampling locations on San Marcos River and Plum Creek
- Routine quarterly and after rainfall events for one year
- Monitoring for total petroleum hydrocarbons (TPH), BTEX and polynuclear aromatic hydrocarbons (PAH)

A map of Caldwell County, Texas, with a yellow background and a black outline. The county is labeled "Caldwell County" in large black text. The city of Lockhart is marked with a black dot and labeled "Lockhart" in black text. The San Marcos River is shown as a blue line along the bottom-left border of the county, labeled "San Marcos River" in black text. The City of Luling Water Treatment Plant is indicated by a black line pointing to a location on the river. The background features a green field, a blue sky with a rainbow, and a purple ground area.

Lockhart

Caldwell County

San Marcos River

City of Luling Water Treatment Plant

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Data Management and Watershed Inventories:

Submit data files to TNRCC monthly

Data available on website in Excel or PDF

Events Inventory - handout

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Data Analysis and Reporting:

Basin Summary Report – statistical
analysis of water quality by
parameter and station

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Public Participation and Outreach:

Website

Texas Watch

Middle School Curriculum

Presentations

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Special Studies:

None done in 2003

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- 2002-03 Budget
 - \$276,911 (original budget, \$282,236, reduced by \$5,325 in March '03)
- 2004-05 Budget
 - \$271,046

Guadalupe River Basin Clean Rivers Program

- Highlights of 2004-05 Workplan:
 - Monitoring:
 - Systematic site on Plum Creek in Hays County will become routine monthly monitoring site
 - Systematic site added to Peach Creek due to hog farm water quality impacts
 - New participant in program – Village of Wimberley
 - Diurnal monitoring on Lake McQueeney

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2004 Water Quality Monitoring:

Routine:

19 Monitoring Sites – Monthly (GBRA)

7 Monitoring Sites – Quarterly (GBRA)

10 Monitoring Sites – Quarterly (UGRA)

9 Sites Biological/Habitat Assessments (GBRA
and UGRA)

8 Sites Metals – Annually (GBRA and UGRA)

19 Sites E. coli – May thru August (UGRA)

Guadalupe River Basin Clean Rivers Program

- Highlights of 2004-05 Workplan:
 - Utilize website more effectively
 - Basin Highlights Report
 - Basin Steering Committee communications