AGENDA

• Clean Rivers Program Activities and Updates
• Drought Outlook
• Plants and Microplastics Pollution
• Basin Summary Report Planning
• Stakeholder Updates
• Water Quality Roundtable:
  ❖ Colorado River Watch Network
  ❖ Proposed changes to the Texas Surface WQ Standards
  ❖ Aquatic vegetation and algae in the Highland Lakes
  ❖ LCRA Candidate Conservation Agreement with Assurances
Welcome and Introductions

Virtual attendees, please type the following into the chat:

- Name
- Affiliation (Agency, Citizen, CRWN, AYRW, etc.)
- Favorite aquatic organism
Activities and Updates
Clean Rivers Program

Lisa Benton
Lower Colorado River Authority
CRP History and Structure

Working together for clean water and science-based decisions
1991 Texas Legislature passes the Clean Rivers Act

WATER QUALITY DATA REPORTING
STAKEHOLDER EDUCATION

City of Austin provides data in-kind

Other Texas River Authorities / Water Districts

$
UCRA = Upper Colorado River Authority
LCRA = Lower Colorado River Authority
COA = City of Austin
Welcome to the Watershed Protection Department

Watershed Protection protects lives, property and the environment of our community by reducing the impact of flood, erosion and water pollution.

Austin is particularly vulnerable to these problems due to our torrential downpours and rocky landscape. We have a multi-tiered approach including a wide variety of ongoing programs such as Grow Green and the Lady Bird Lake Cleanup Crew; construction projects such as stormwater ponds and streambank restorations; and regulations and controls to help prevent future problems. We are mostly funded by the drainage charge on utility bills.

Call 3-1-1 to report a drainage problem. To report potential pollution, please call our 24-hour pollution hotline at 512-974-2650. There is more contact information on our About page.

Recent News
August 6, 2021
City of Austin investigates potential harmful algae in Bull Creek

June 1, 2021
City of Austin investigates potential harmful algae in Bull Creek
LCRA CRP Allocation of Funds FY 22-23 ($887,594)

- Personnel/Salary/Fringe Benefits: 11%
- Supplies + Travel <1%
- Monitoring: 62%
- UCRA: 27%
Texas Integrated Report

Statewide assessment of the status of state waters
Texas Integrated Report and 303(d) List

• Statewide assessment of the status of state waters
  ➢ Compares water quality data to approved water quality standards and screening levels
  ➢ Evaluates all readily available data
  ➢ Identifies impaired waters for TMDLs on the 303(d) List

• Required by:
  ➢ Federal Clean Water Act, Sections 305(b) and 303(d)

• Conducted every two years
  ➢ Draft due to EPA on April 1 of even numbered years
Draft 2022 Texas Integrated Report and 303(d) List

Pending Approval by EPA

Period of Record: 12/01/2013 – 11/30/2020

**Statewide**
- 1490 water bodies evaluated
- 588 impaired water bodies
  - 74 new impairments
  - 47 removed

**Colorado River Basin**
- 138 water bodies evaluated
- 19 impaired water bodies
### Impaired Water Bodies in the Colorado Basin

<table>
<thead>
<tr>
<th>SEGID</th>
<th>WaterBody Name</th>
<th>Impairment Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1402C</td>
<td>Buckners Creek</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td>1402H</td>
<td>Skull Creek</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td>1403A</td>
<td>Bull Creek</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td></td>
<td>Spicewood Tributary to Shoal Creek</td>
<td>E. coli</td>
</tr>
<tr>
<td>1403K</td>
<td>Taylor Slough South</td>
<td>E. coli</td>
</tr>
<tr>
<td>1405</td>
<td>Marble Falls Lake</td>
<td>Excessive algal growth in water</td>
</tr>
<tr>
<td>1406</td>
<td>Lake Lyndon B. Johnson</td>
<td>Excessive algal growth in water</td>
</tr>
<tr>
<td>1407A</td>
<td>Clear Creek</td>
<td>Aluminum (dissolved), Copper (dissolved), Nickel (dissolved), Zinc (dissolved), pH, Total Dissolved Solids, Sulfate</td>
</tr>
<tr>
<td>1411</td>
<td>E. V. Spence Reservoir</td>
<td>Total Dissolved Solids, Chloride, Sulfate</td>
</tr>
<tr>
<td>1412</td>
<td>Colorado River Below Lake J. B. Thomas</td>
<td>Enterococcus</td>
</tr>
<tr>
<td>1412B</td>
<td>Beals Creek</td>
<td>Enterococcus</td>
</tr>
<tr>
<td>1416</td>
<td>San Saba River</td>
<td>E. coli</td>
</tr>
<tr>
<td>1416A</td>
<td>Brady Creek</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td>1419</td>
<td>Lake Coleman</td>
<td>Excessive algal growth in water</td>
</tr>
<tr>
<td>1421</td>
<td>Concho River</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td>1428B</td>
<td>Walnut Creek</td>
<td>E. coli</td>
</tr>
<tr>
<td>1428C</td>
<td>Gilleland Creek</td>
<td>E. coli</td>
</tr>
<tr>
<td>1429</td>
<td>Lady Bird Lake (formerly Town Lake)</td>
<td>Excessive algal growth in water</td>
</tr>
<tr>
<td>1429C</td>
<td>Waller Creek</td>
<td>Macrobenthic Community, E. coli</td>
</tr>
</tbody>
</table>

- Added in 2022
Water Bodies Removed from the Draft 2022 303 (d) List

- 1413 Lake J.B. Thomas – chloride, total dissolved solids
- 1425 O.C. Fisher Lake – chloride, total dissolved solids
- 1427A Slaughter Creek – impaired benthics
- 1433 O.H. Ivie Reservoir – excessive algal growth in water
- 1434G Alum Creek – *E. coli*
Integrated Report – Going Forward

• June 2022 – Present the Draft 2022 Integrated Report and 303(d) List to TCEQ Commission

• Following Commission approval – send to EPA

• September 2022 – begin the call for data for the 2024 Integrated Report
2022 Colorado River Basin Highlights Report

An overview of water quality in the Colorado River Basin
Coordinated Monitoring Meeting Recap

Decisions on monitoring for 2023 Fiscal Year
WQ Monitoring Additions

• Colorado River below Lady Bird Lake
  ➢ New site created at Austin’s Colony neighborhood
WQ Monitoring Additions

- Clear Creek (tributary to Inks Lake)
  - Adding 2 events – chloride, sulfate, dissolved metals
- Llano River (FM 1871 in between Junction and Castell)
  - Adding a new site to keep track of native mussel species near this crossing