Current Status of the Texas Integrated Report for Clean Water Act Sections 305(b) and 303(d)

Water Quality Planning Division

Monitoring & Assessment Section

Surface Water Quality Monitoring Program (SWQM)

Background

- Statewide assessment of the status of state waters
  - Compares water quality data to approved water quality standards
  - Identifies impaired waters (303(d) List)
- Requirements
  - Federal Clean Water Act, Sections 305(b) and 303(d)
  - Title 30 of the Texas Administrative Code (30 TAC)
- Conducted every two years
  - Draft due to EPA on April 1 of even numbered years

Integrated Report - Process

- Develop Guidance
- Assemble\Compile Data
- Update Assessment Tools
- Develop Draft Reports
- Solicit Public Comment
- Revise Draft Documents
- TCEQ Approval
- EPA Approval – IR considered draft until approved by EPA

Integrated Report - Documents

- Executive Summary
- Guidance for Assessing and Reporting Surface Water Quality in Texas
- 303(d) List (Category 5)
- Delistings
- New Listings
- Schedule to Develop TMDLs for Category 5a Water Bodies
- Water Quality Concerns
- Potential Sources of Pollution for Impairments and Concerns
- Public Comment and Response
- Cost/Benefit Assessment
- Trophic Assessment of Texas Reservoir
- Categorization of Segments
- Supplemental Nutrient Report

Integrated Report - Documents (cont)

- Electronic data files summarizing the assessment results for EPA's ATTAINS Database
- Index of Water Quality Impairments
- Water Bodies Evaluated
- Water Body Assessments by River Basin
- Changes to the Draft Following Public Comments
- Monitoring Program
- Statistically-Based Monitoring in Texas
- Texas Groundwater Assessment

2020 Integrated Report

- Public Comment Period
  - November 22, 2019 to January 3, 2020
- TCEQ Adoption – March 25, 2020
- EPA Approval – May 12, 2020

Draft 2022 Integrated Report Updates

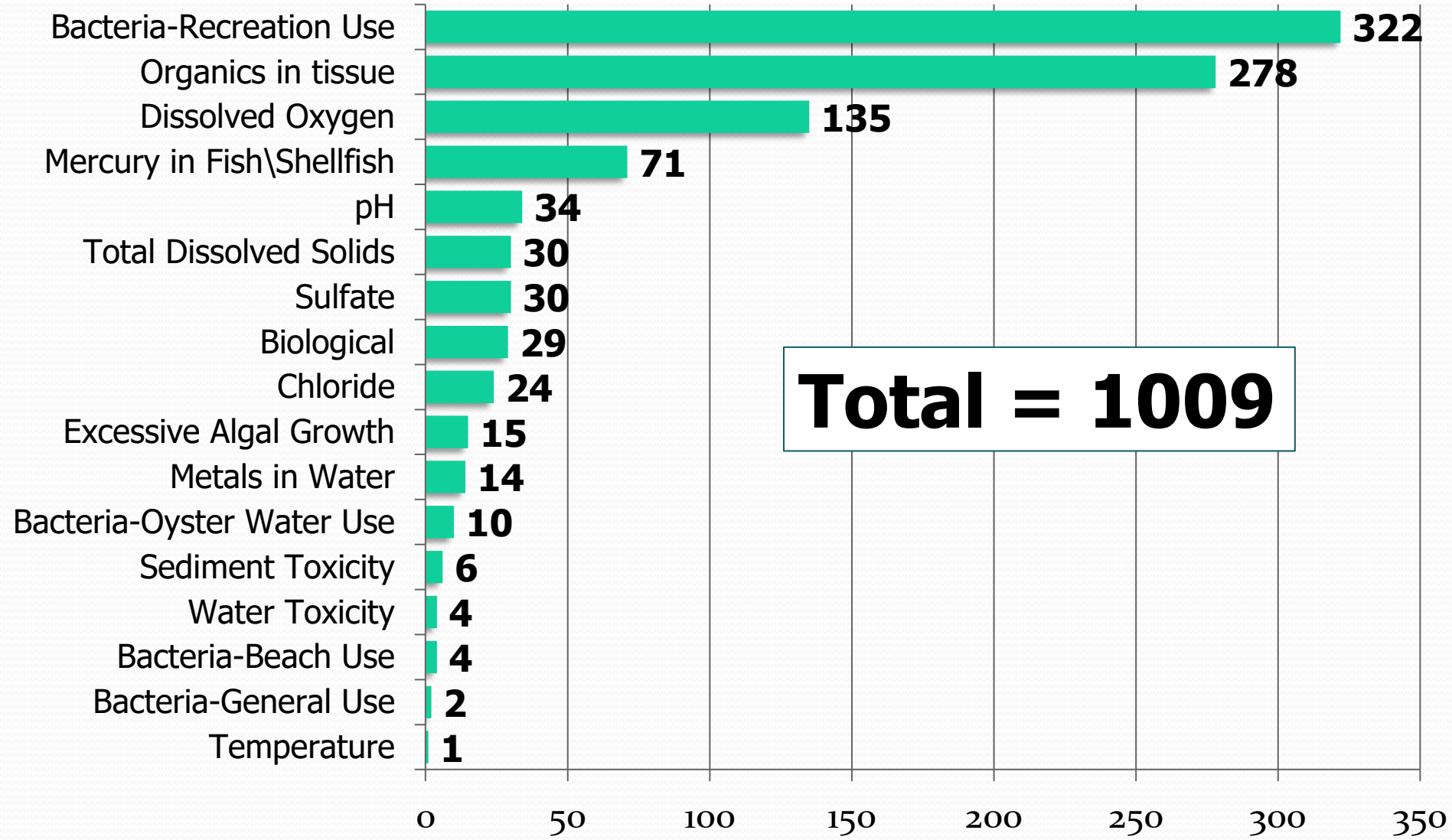
- Reservoir Nutrient Assessments - Category 5n
  - Water body does not meet its applicable *Chl-a* criterion
  - Additional information from causal nutrient parameters or impacts to response variables corroborates the exceedance
  - Data and information will be collected before decision to proceed with remedial efforts

Draft 2022 Integrated Report Status

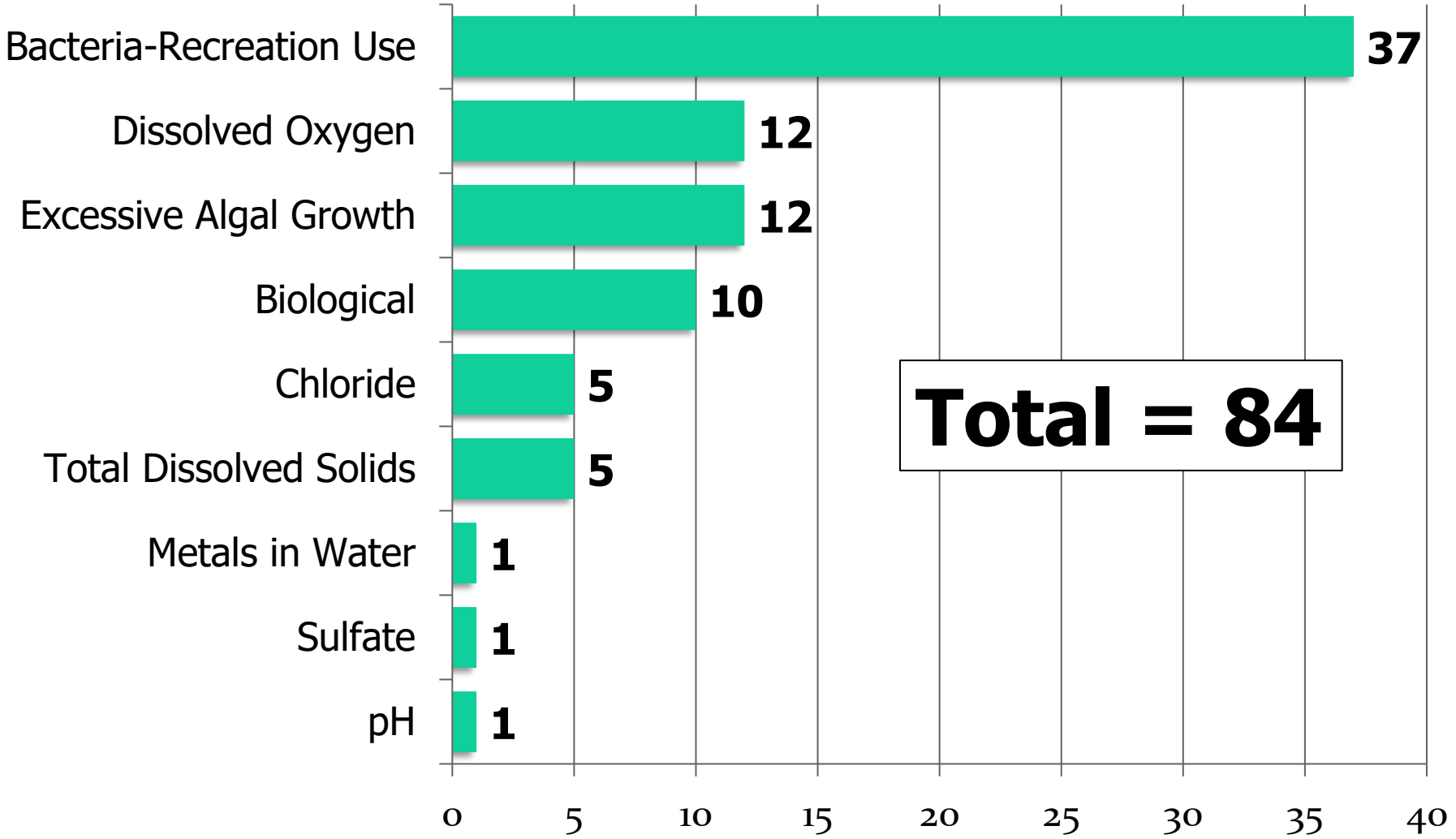
- Released for formal public comment from January 28, 2022 - March 1, 2022
- Adoption at TCEQ Commission Agenda in June

2020 Integrated Report Results

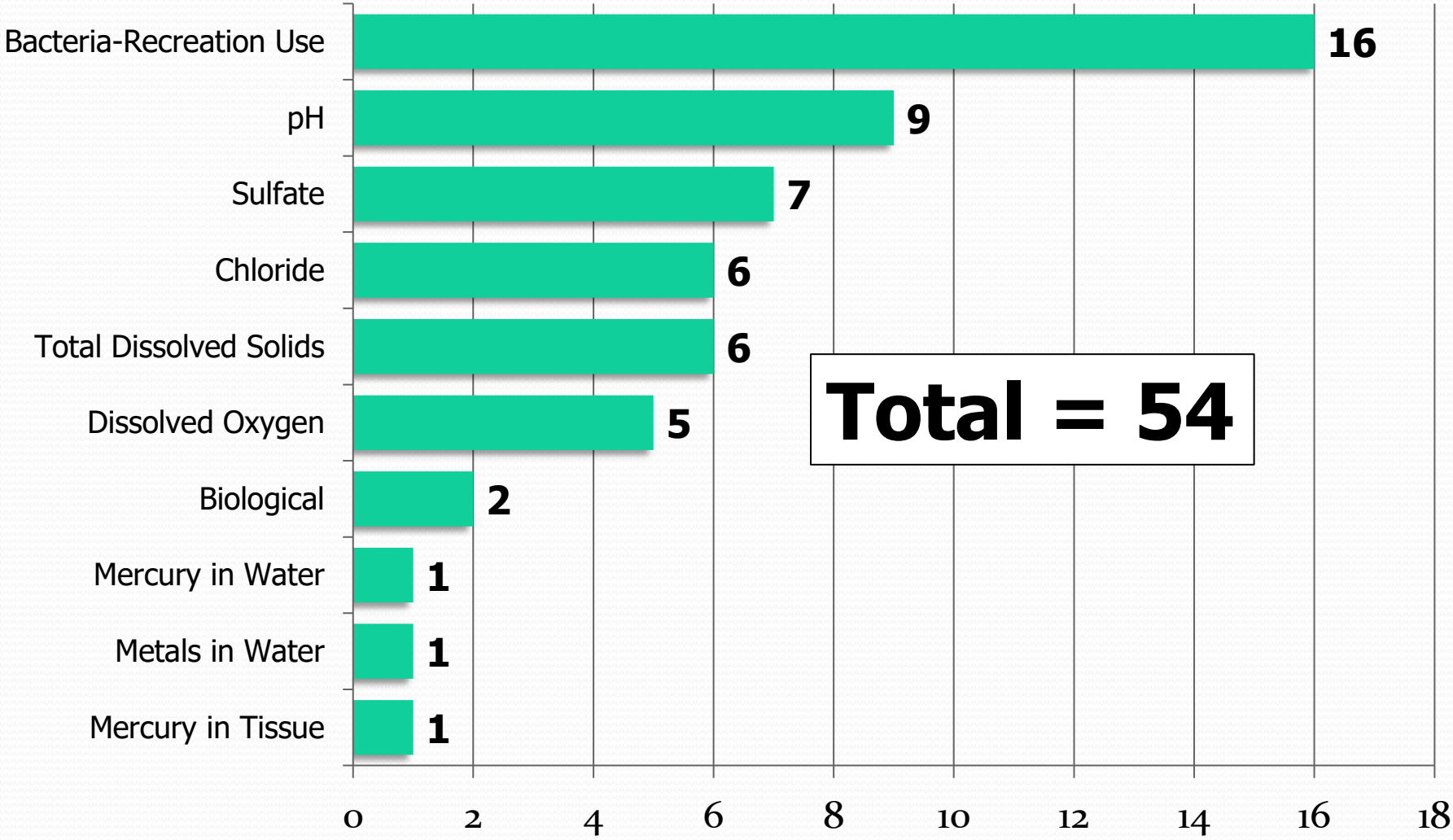
2020 Impairments (Assessment Units)



2020 New Impairments (Assessment Units)



2020 Delistings (Assessment Units)



Impairment Changes 2018-2020

Parameter	2018 Impairments	2020 Impairments	Change
Bacteria – Recreation Use	301	322	21
Excessive Algal Growth	3	15	12
Dissolved Oxygen	128	135	7
Biological	21	29	8
Mercury in water	1	0	-1
Mercury in Tissue	72	71	-1
Chloride	25	24	-1
Total Dissolved Solids	31	30	-1
Sulfate	36	30	-6
pH	42	34	-8

Changes in Impairment Status

- Decreases
  - Sulfate
  - pH
- Increases
  - Bacteria
  - Excessive Algal Growth

Additional Information

- 2020 Integrated Report
  - https://www.tceq.texas.gov/waterquality/assessment/20twqi/20txir
- Draft 2022 Integrated Report
  - https://www.tceq.texas.gov/waterquality/assessment/public_comment
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