



SAN ANTONIO
RIVER AUTHORITY

River Basin Report Card

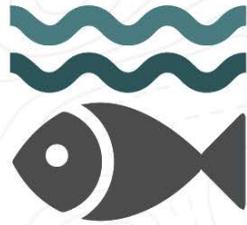
September 25, 2020



Strategic Initiatives



SAFE



CLEAN



ENJOYABLE



CULTURE

To harmonize the needs of people and nature through our stewardship of rivers and land



Basin Report Card

- Replaces the River Health Index (RHI) as a method for measuring progress and reporting to the board
- Is an external tool being built in conjunction with other internal/external data visualization tools



Basin Report Card Purpose

- Develop a shared community vision for the basin and what is needed to get there
- Provide accountability and focus by measuring safe, clean, and enjoyable metrics and identifying impaired issues of concern that require attention
- Improve citizen understanding of scientific and ecological information and values
- Catalyze improvements through improved public awareness and more informed decision makers



Developing the River Basin Report Card

- Chesapeake Bay, USA
- Laguna de Bay, Philippines
- Chilika Lake, India
- Moreton Bay, Australia
- Orinoco River Basin, Colombia
- Mississippi River Watershed, USA



Basin Report Card Grades



- Results of each metric need to be standardized against a common scale of 0-100 to overcome challenges associated with comparing indicators with different measurement scales and units
- Sometimes this conversion is straight-forward; sometimes it can be challenging.



Basin Report Card Grades

- The reasons for the broader spread in scores is that this scale is more sensitive to, and reflective of, changes in river basin conditions
 - A = 80-100% (A+ = 95 or above; A- = 80 – 85)
 - B = 60-79.9% (B+ = 75 – 79.9; B- = 60 – 65)
 - C = 40-59.9% (C+ = 55 – 59.9; C- = 40 – 45)
 - D = 20-39.9% (D+ = 35 – 39.9; D- = 20 – 25)
 - F = 0-19.9% (“F” score does not have a + or -)



How is the basin grade calculated?

- 12 indicators, each receives a numeric and letter grade
- The 12 individual grades are averaged together for overall basin grade
 - To avoid subjective, biased, or unfair conflict, indicators are weighted equally
- Qualitative, non-graded “observations” section included in addition to 12 grades/overall grade



Overall San Antonio River Basin Grade is a B-

- Safe

- Stream restoration: A
- Flood emergency calls: A-
- Flood insurance: F

- Clean

- Paddling standard: A
- Freshwater inflows: A-
- Habitat Quality Index: B+

- Clean

- Stormwater managed: B-
- Index of Biotic Integrity: C
- Whooping Cranes: C
- Swimming standard: D

- Enjoyable

- Park usage: A+
- Public trash: F



Telling the Story

- Paid and Earned media to promote and drive traffic to online report
- In the future, released annually at the end of Sept. in conjunction with World Rivers Day



2020 San Antonio River Basin Report Card

- Full report will be available online on Oct. 22
- <https://sara.txcsites.com/report-card-basin/2020/>



Questions?

