

Environmental Flows Literature Review: Lavaca-Navidad River Basin Upper Colorado River Basin

Presentation to the Colorado/Lavaca
Bay/Basin Stakeholders and
Environmental Flows Science Team

David Buzan, PBS&J
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Purpose

Identify information describing environmental flows or evaluating environmental flow regimes

Information Categories

- Hydrology
- Geomorphology
- Water quality
- Freshwater ecology
- Estuarine ecology
- Riparian zone
- Historical descriptions
- Environmental flow recommendations

Lavaca-Navidad River Basin

- 230 citations and 14 databases
- 140 documents
- 1853 to 2009 (most information is post-1970)
- 13 citations include freshwater inflow recommendations for Lavaca Bay
- Biological data – primarily for estuary
- Flow data – from 1936

Upper Colorado River Basin

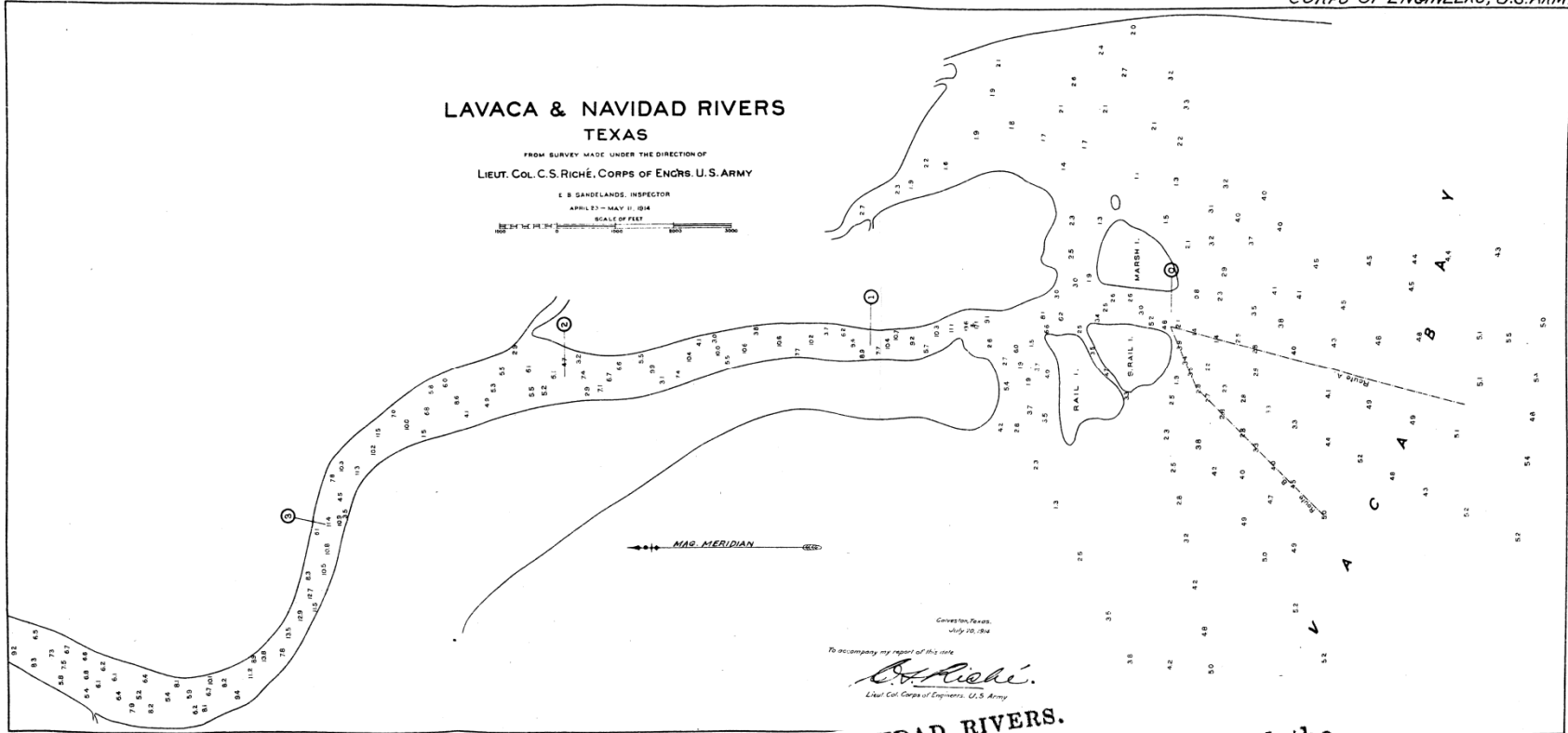
- Upstream of the Colorado River confluence with the San Saba River
- 100 citations and 10 databases
- 74 documents
- 1926 to 2009 (some historical description from 1683)
- Limited biological and geomorphological data

LAVACA & NAVIDAD RIVERS TEXAS

FROM SURVEY MADE UNDER THE DIRECTION OF
LIEUT. COL. C. S. RICHE, CORPS OF ENGRS. U.S. ARMY

E. B. SANDELANDS, INSPECTOR

APRIL 23 - MAY 11, 1914



Conveyed, Texas,
July 10, 1914
To accompany my report of this date
C. S. Riche
Lieut. Col. Corps of Engineers, U.S. Army

House Doc. No. 1667; 63d Cong., 3d Sess.

914, NO. 1 OF 3 SHEETS.

FOR SNAGGING LAVACA AND NAVIDAD RIVERS.

During the survey there were visible on the Lavaca River to the forks and the Navidad River to Texana Bridge 21 large snags, 124 small snags, and 267 overhangs. These were found between miles 9 and 17½. From the forks to mile 4½ on the Lavaca Branch there were found 41 large snags, 51 small snags, and 151 overhangs. Comparing the two streams above the forks for equal distance gives the following: