

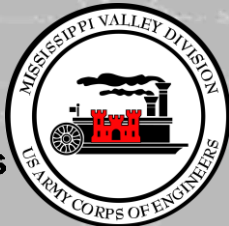
ATCHAFALAYA RIVER BASIN RESTORATION AND ENHANCEMENT (ARBRE) TASK FORCE

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OMAR - Technical Assessment

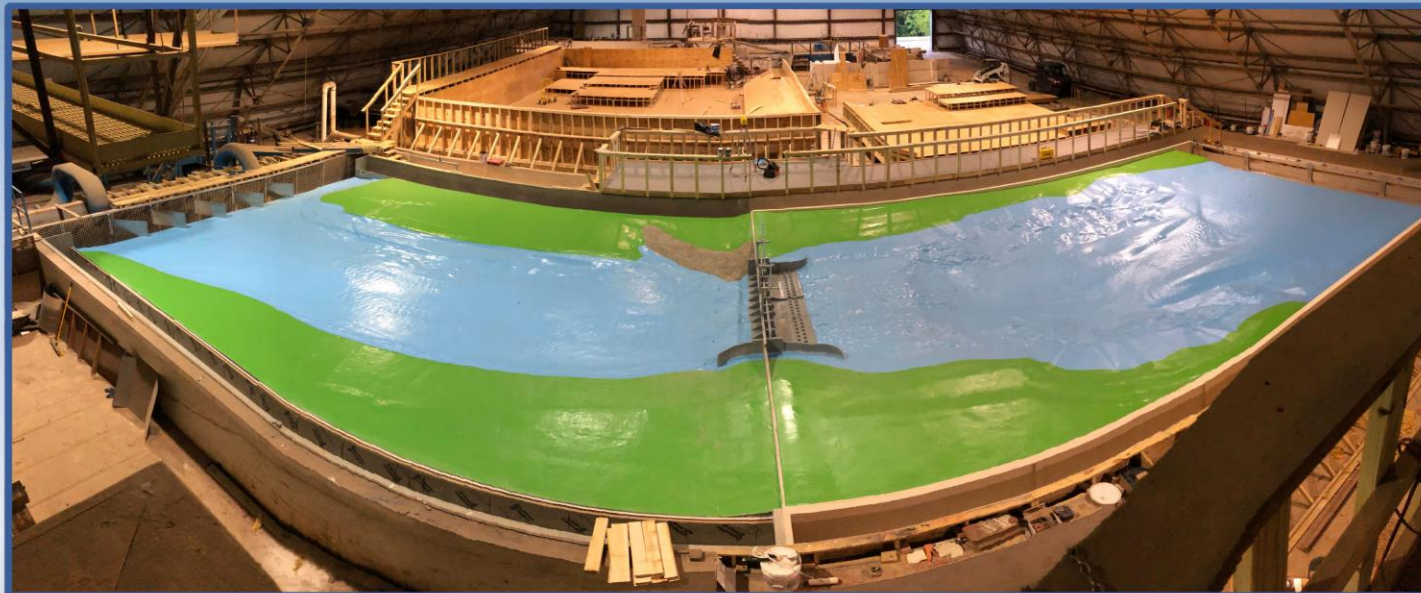


OMAR Background

- ◆ The technical assessment began in January 2019 to assess the water and sediment regime and the effect of different operation scenarios at the ORCC
- ◆ Funded \$5M over the course of three years
- ◆ The assessment will complete in January 2022 with result publication scheduled for May 2022
- ◆ The findings of the assessment could inform the WRDA 2022 Section 213 LMR Comprehensive Study



ORLSS Technical Assessment



- ◆ The ORLSS Technical Assessment began in FY19
- ◆ The Assessment was funded \$2.5M across FY19 and FY20
- ◆ Major activities included physical modeling of the structure, 2D/3D modeling, vibration monitoring, and non-intrusive geophysical surveys
 - All activities are near complete and are in the process of technical report writeups and long-term monitoring of vibrations. Estimated completion Winter 2021.
- ◆ A dewatering of the structure is estimated to cost approximately \$40M





ATCHAFALAYA BASIN

➤ Coon Trap:

- MVN and MVD visited in May21 – plan to revisit during low river and discuss path forward

➤ Sustainable River Program:

- MVN has drafted revised scope with GOCA/CPRA/TNC currently seeking approval from MVD
- Scope focuses on Red River and Atchafalaya Basin



ATCHAFALAYA BASIN MODELING



➤ Modelling Atchafalaya Outlets:

- ERDC, MVD, and MVN are investigating the natural processes of Atchafalaya Basin outfalls to the gulf
- Increased flow through WLO in recent decades
- The Lower Atchafalaya River faces multiple challenges due to relative sea level rise, sedimentation, and recent high-water seasons.
- Trends are expected to continue of the next 50 Years



➤ Lower Mississippi Comprehensive Study

- 5 Year/ \$25M authorized and funded study
- Multi –purpose study with competing interests across seven (7) states from Cape Girardeau to the gulf
- Annual reporting to congress required

