2023 UPPER SAN MARCOS RIVER WATERSHED UPDATES

Mark Enders – Habitat Conservation Plan Manager, City of San Marcos March 15, 2023







- TCEQ Contract Updates:
 San Marcos Greenbelt Alliance &
 City of San Marcos Sessom Crk
 Project
- 2 CoSM Sessom Creek Project
- TCEQ Contract Updates:
 The Mermaid Society of Texas
- USACE San Marcos River Ecosystem Restoration Project
- 5 Get Involved

AGENDA

TCEQ IMPLEMENTATION PHASE I-SESSOM CREEK

TCEQ IMPLEMENTATION PHASE I OVERVIEW

- Timeline: 6/4/2020 2/28/2023
- Main Tasks:
 - Task 3 Riparian and Upland Restoration
 - Task 4 Stream Restoration
 - Task 5 Vegetative FilterStrip
 - Task 6 Community TrailPlan
 - Task 7 Education and Outreach

















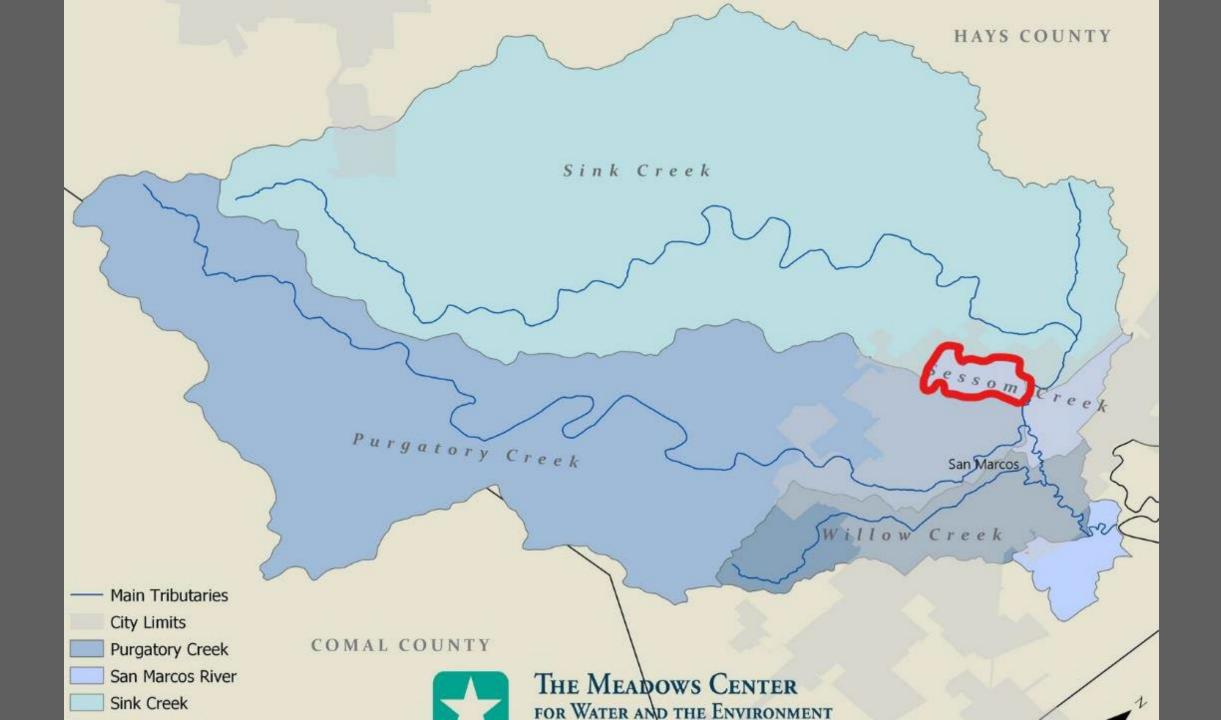




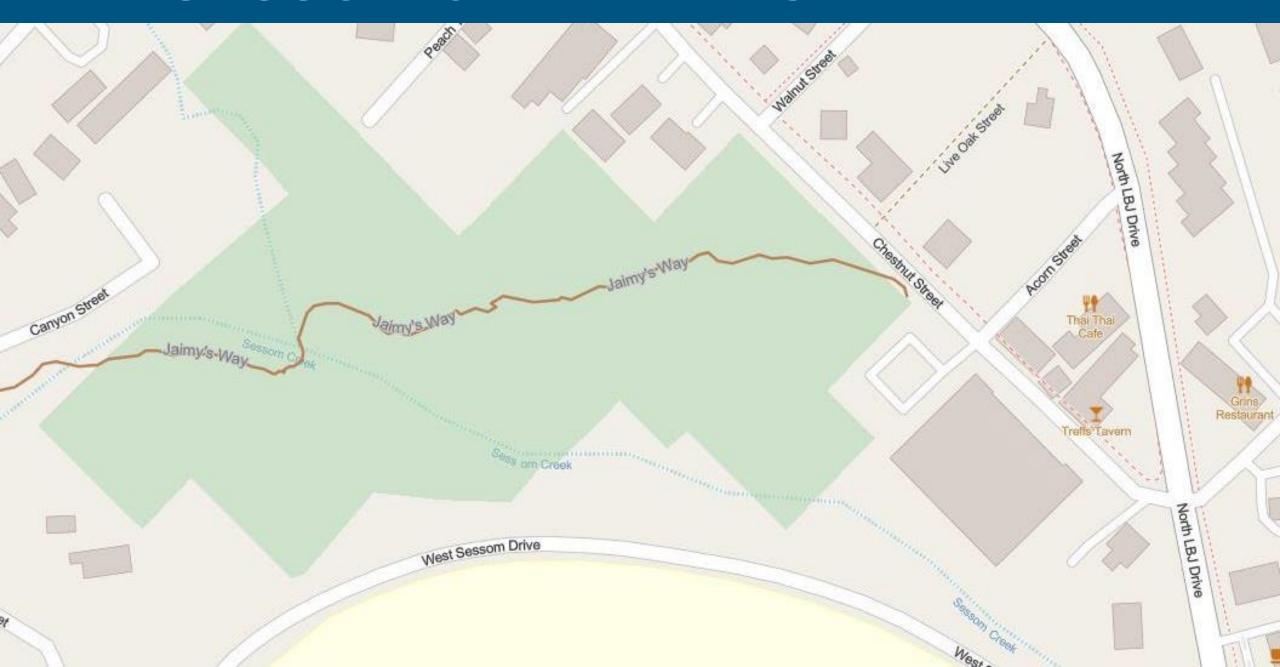








SESSOM CREEK NATURAL AREA

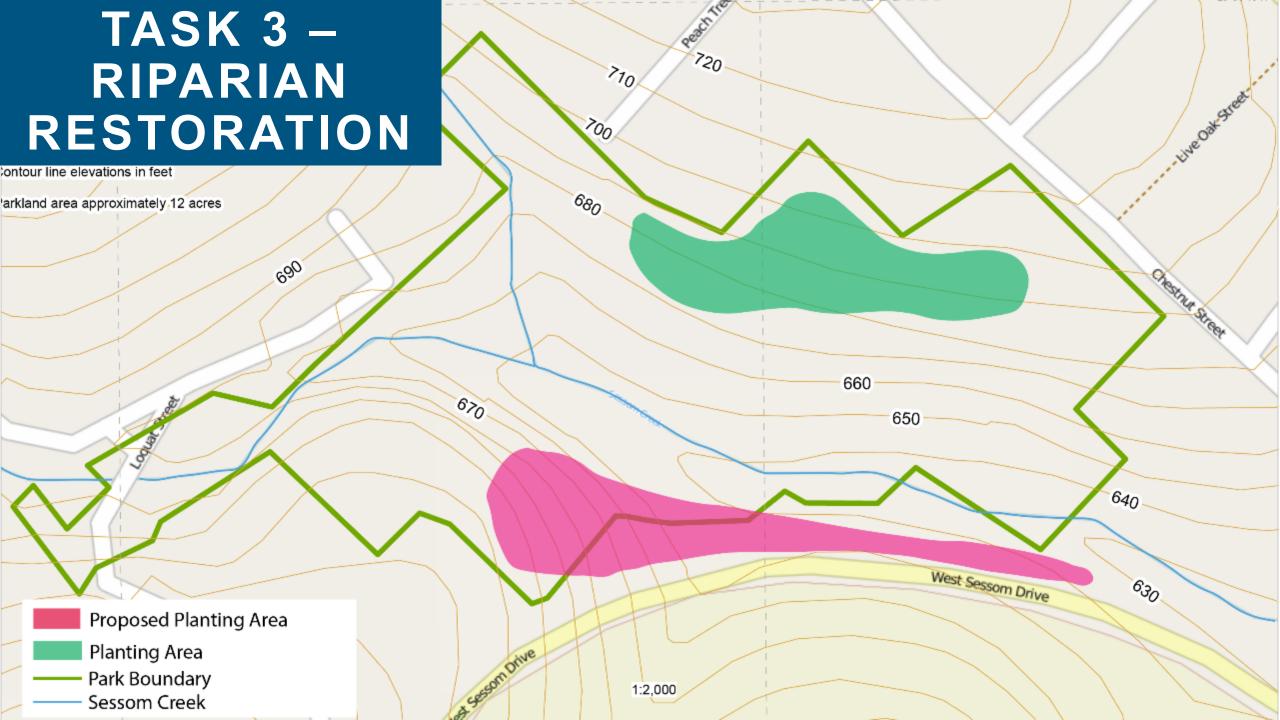






TASK 3 -SEEDING

- Site visit with Native American Seed
- Eastern gammagrass
- Shade friendly wildflower & grass mix
- Blackland Prairie and deer resistant mix
- Cereal rye grain annual cover crop
- Seed slingers were used to broadcast throughout entire project site as prescribed





TASK 3 -LIVE PLANTINGS

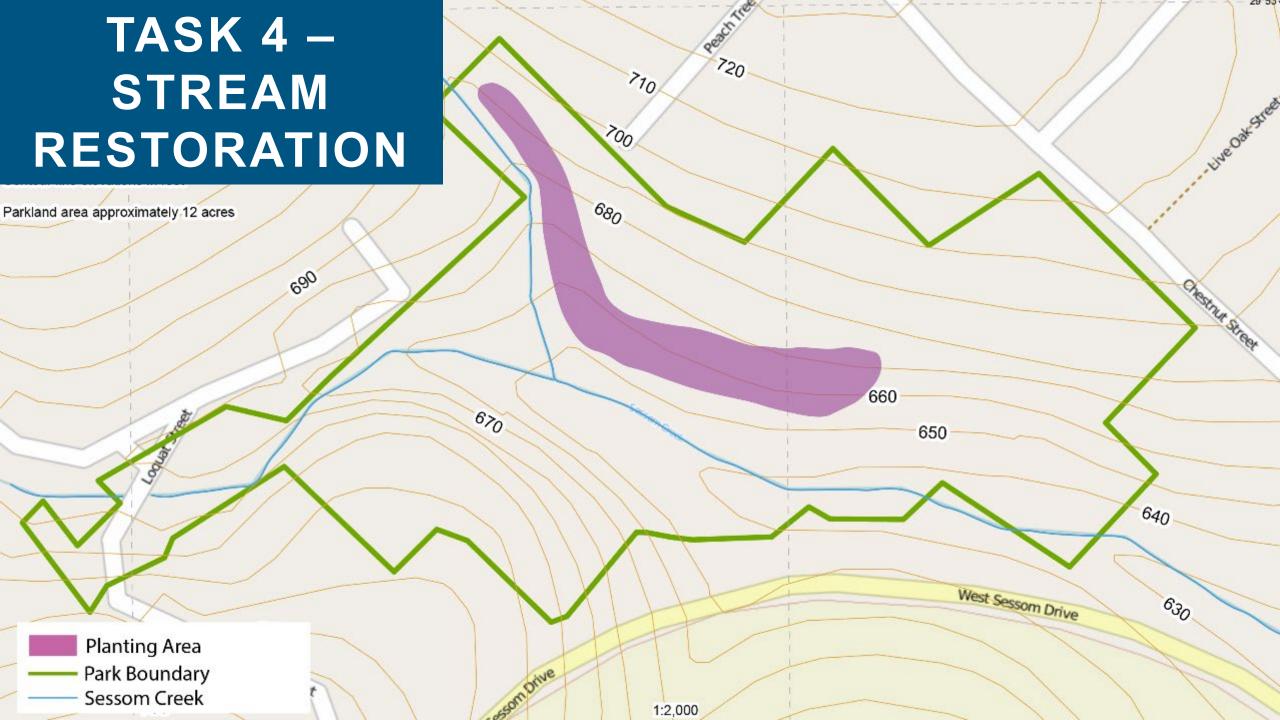
Planted:

- 20 Turks Cap
- 15 Lacey Oaks
- Mountain Laurel

Future Plantings:

 Live root plugs on steep slope by Sessom Drive



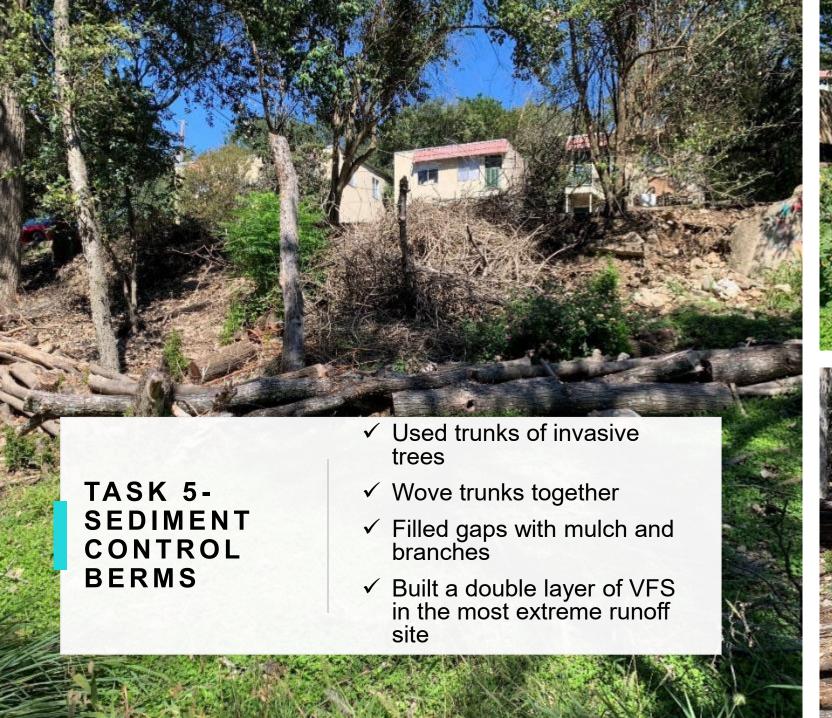






PLANTING OF WINDMILL TRIBUTARY

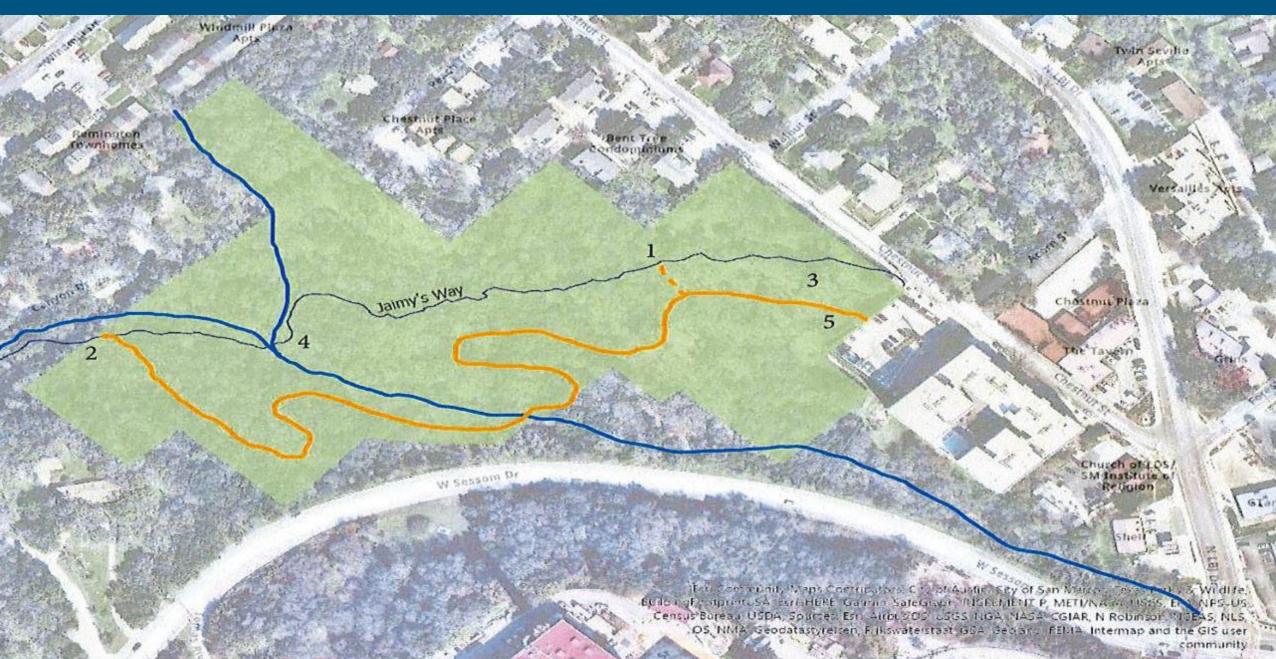


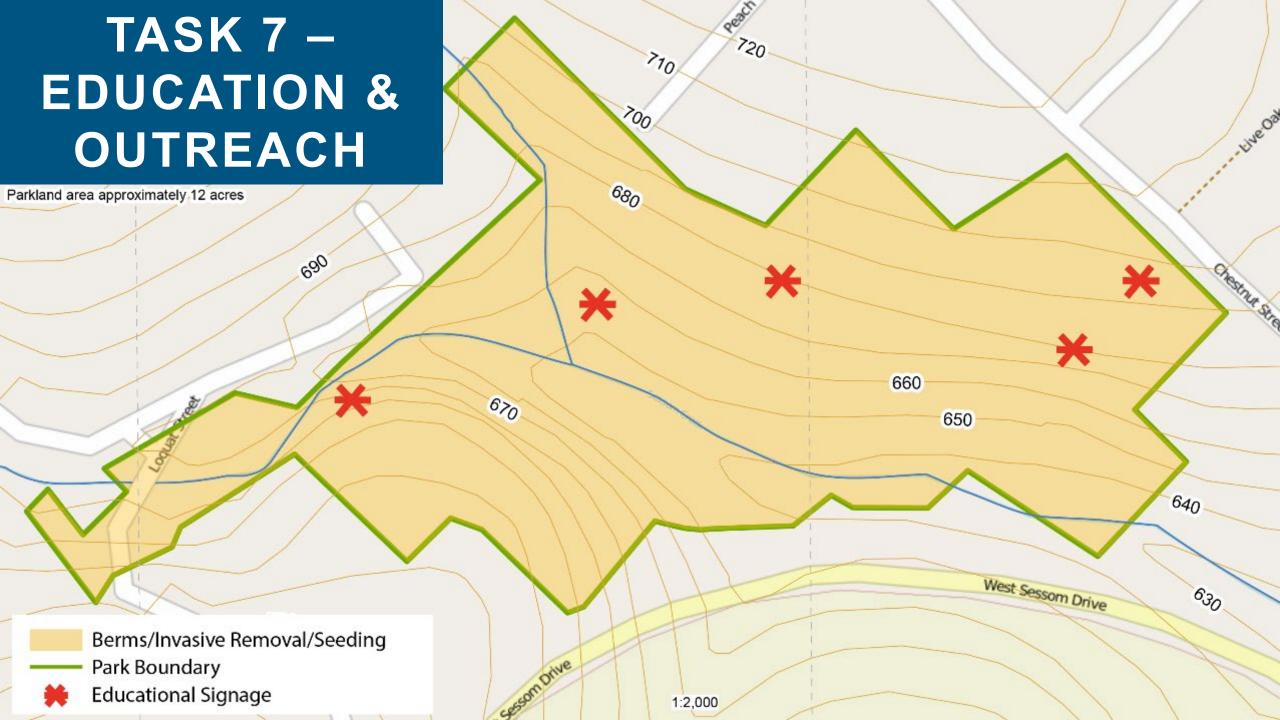






TASK 6 - COMMUNITY TRAIL PLAN

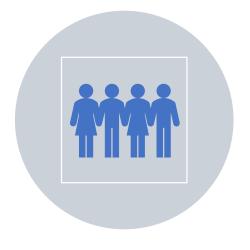




ACCOMPLISHMENTS



29 VOLUNTEER WORKDAYS



212 VOLUNTEERS



747 VOLUNTEER HOURS



16.5 ACRES OF NON-NATIVE INVASIVES REMOVED

CoSM SESSOM CREEK WASTEWATER COLLECTION SYSTEM RELOCATION

- Wastewater lines suspended over the creek
- In 2021-2022, the City of San Marcos removed the suspended portions and bored new lines under the bottom of the creek





Cosm Eahch Sessom Creek Stream Restoration Project

- As part of the Edwards Aquifer Habitat Conservation Plan, the City is implementing a stream restoration project in Sessom Creek
- Includes bank stabilization, run-on control and native plant restoration. Phase I to be completed in May 2023.





WEBSITE RESOURCES

WWW.UPPERSANMARCOSRIVER.ORG



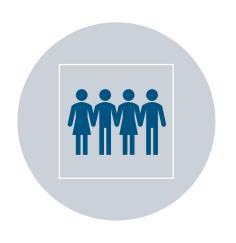
TASK 7 - YOUTH ECO PROGRAMS MERMAID CHATS & SPLASH PATCH

- **Mermaid Chats program** K- 2nd grade education focused on river stewardship, endangered and indigenous species identification, and environmental consciousness. Features Mermaid Maya, a "Superhero" of the San Marcos River and surrounding waterways.
- **Mermaid SPLASH program** 3rd-5th grade education patch program using the Mermaid Society pillars of SPLASH Stewardship, Preservation, Local, ARRRT, Sustainability, and Heritage.





ACCOMPLISHMENTS







16 EDUCATION AND OUTREACH EVENTS

2,728 EDUCATIONAL KITS DISSEMINATED

151 SPLASH PATCHES DISSEMINATED

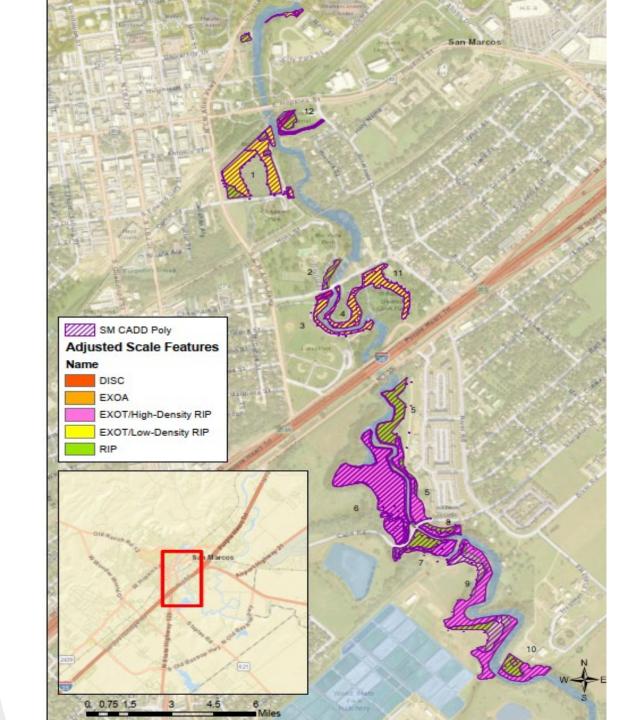


WWW.MERMAIDSOCIETYSMTX.COM/YOUTH-PROGRAMMING

US Army Corps of Engineers-San Marcos River Ecosystem Restoration Project

Project involves:

- Removal of non-native riparian and littoral vegetation
- Planting of native vegetation
- Stormwater outfall improvements







https://www.signupgenius.com/go/30e084ba8ae2ca7fc1-habitat



TEXAS STREAM TEAM COMMUNITY SCIENCE WATER QUALITY MONITORING PROGRAM

- Upcoming Trainings:
 - E. coli Bacteria: April 8, 10–2
 - Standard Core: April 9, 10–2
 - Standard Core: May 13, 10–2
 - Standard Core: June 11, 10–2

Email RiverRangers@sanmarcosriver.org to RSVP

WWW.TEXASSTREAMTEAM.ORG

INVASIVE REMOVAL VOLUNTEER DAYS

RACHEL@SANMARCOSRIVER.ORG

KEEP SAN MARCOS BEAUTIFUL

- Monthly Hot Spot Clean Up
- Adopt-a-Spot
- Annual Great Texas River Clean Up Fall Cleanup

EMAIL AMY THOMAIDES FOR MORE INFORMATION: ATHOMAIDES@SANMARCOSTX.GOV



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www.UpperSanMarcosRiver.org

