



# Bacteria Reduction Plan for the Upper Guadalupe River

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# Background Information

- Bacteria impairment for contact recreation in a 3.5 mile reach of Guadalupe River in Kerrville
- Placed on 303(d) list in 2002
- TMDL approved in 2007
- Implementation Plan approved in 2011
- Bacteria Reduction Plan grant 2011 – 2014
- No impaired sections listed on 2014 Integrated Report or 2016 preliminary IR

# Bacteria Reduction Plan

- Partnership with local agencies
- Reduce bacteria levels through:
  - Bird deterrent structures
  - Pet waste stations
  - Waterfowl management
  - Septic system education
  - Manage storm water runoff
  - Education



# Moving Forward

- Continue water quality monitoring
- Inspect bird deterrent structures
- Fund pet waste refill supplies as needed
- Continue waterfowl management
- Increase circulation of OSSF information
- Continue river clean ups & storm drain marking program
- Continue public education

**Poop Pollutes!**



Please Don't Feed the Ducks and Geese

- Fecal bacteria from duck and goose waste is a source of water pollution.
- Feeding ducks and geese here encourages them to concentrate in a small area and pollute nearby swimming areas.
- Pathogens found in duck and goose waste can harm people and animals.

 LET'S KEEP OUR RIVER CLEAN! 

# Bacteria Reduction Plan Results – future steps

- Bacteria impairments
  - Quinlan Creek
  - Town Creek
- Amend TMDL to include creeks
- Revise Implementation Plan





The Bacteria Reduction Plan for the Upper Guadalupe River was financed through grants from the Texas Commission on Environmental Quality

