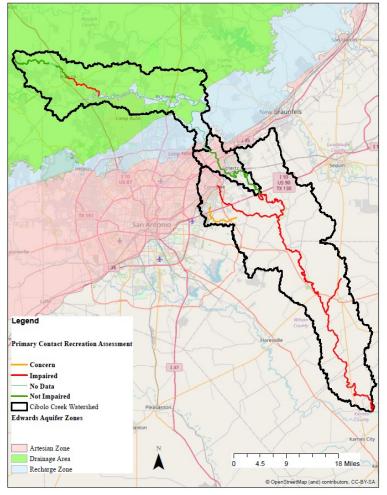


Cibolo Creek Watershed Models Update September 21, 2023





Cibolo Creek Watershed

Project Study Area



Objective

The project objectives are to identify locations and develop/quantify preservation/mitigation strategies for improvement of water quality in the Cibolo Creek Watershed



Tasks under Phase 1

Tasks	End Date
Data Collection and Analysis	1/30/24
Model Development (Hydrologic)	3/20/24
Calibration / Validation	6/20/24
Peer Review	7/20/24



Data

- DFIRM
 - Subbasin delineation
 - Stream shapefile
 - HEC-HMS
 - HEC-RAS
- Topography
 - DEM
 - Contours
- Aerial images
- SSURGO soil data
- Landuse & IC%
- Met data (NOAA)

- Rainfall
 - NOAA
 - EAA (gage, NEXRAD)
 - SARA
 - USGS
- Diversion
- Wastewater data
- USGS flow data
- Water Quality
 - SWQM
 - USGS
- Impaired waterbody
- Screening levels

- SSO
- OSSF (estimates)
- Dams/reservoirs
 - From HMS
- Groundwater recharge & spring flow
- Major development centers
- QUAL-TX models
- Atmospheric deposition*
- Relevant data
 - Agricultural data
 - SELECT or EC loading estimates



Other Related Efforts

Grant application to N-EWN (full proposal due Jan 2024)





Questions?



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