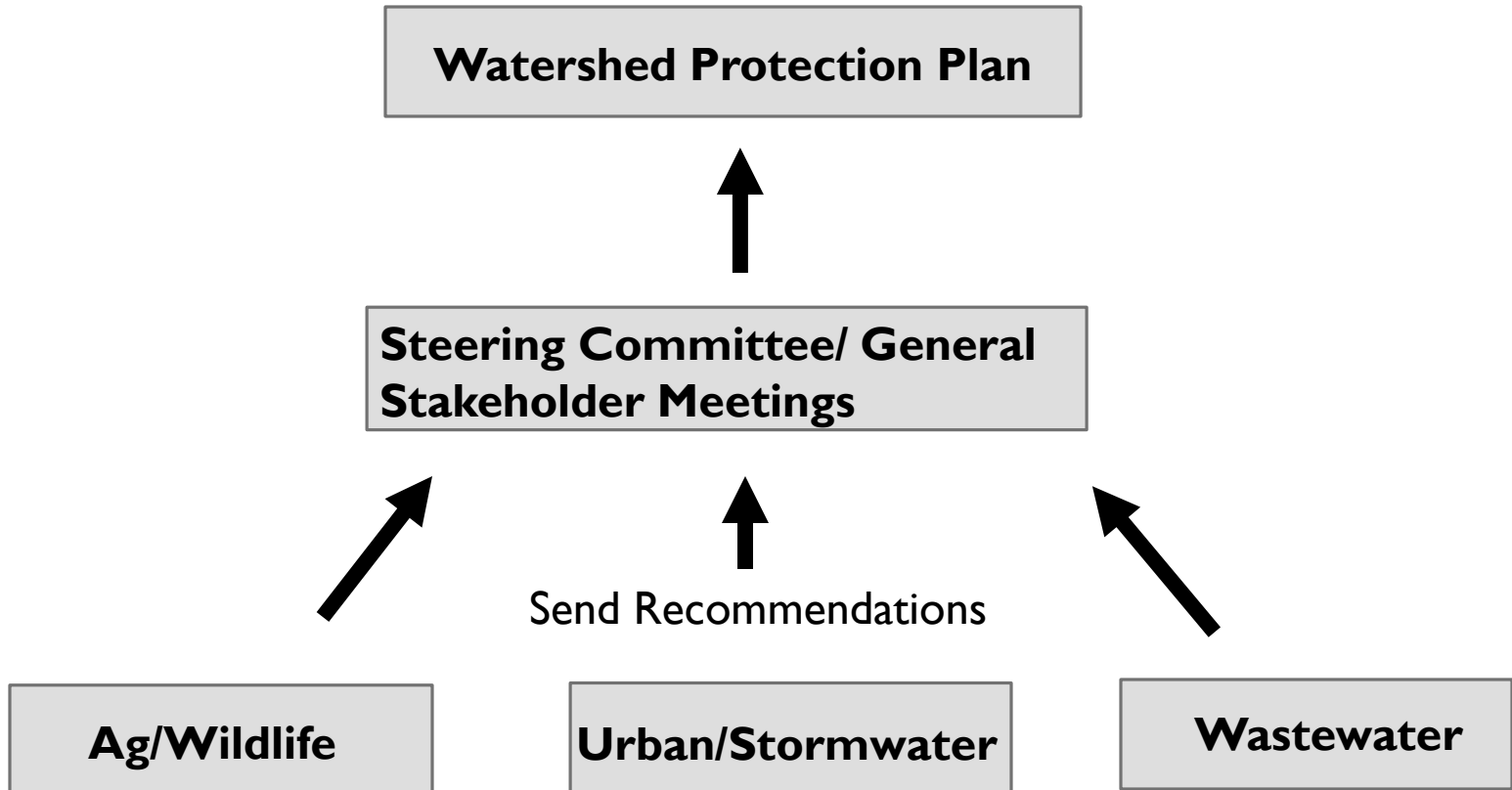


# Mid and Lower Cibolo Creek Watershed Protection Plan: *Wastewater Workgroup*

*Texas Water Resources Institute*  
*October 16, 2017*



# Workgroup Structure

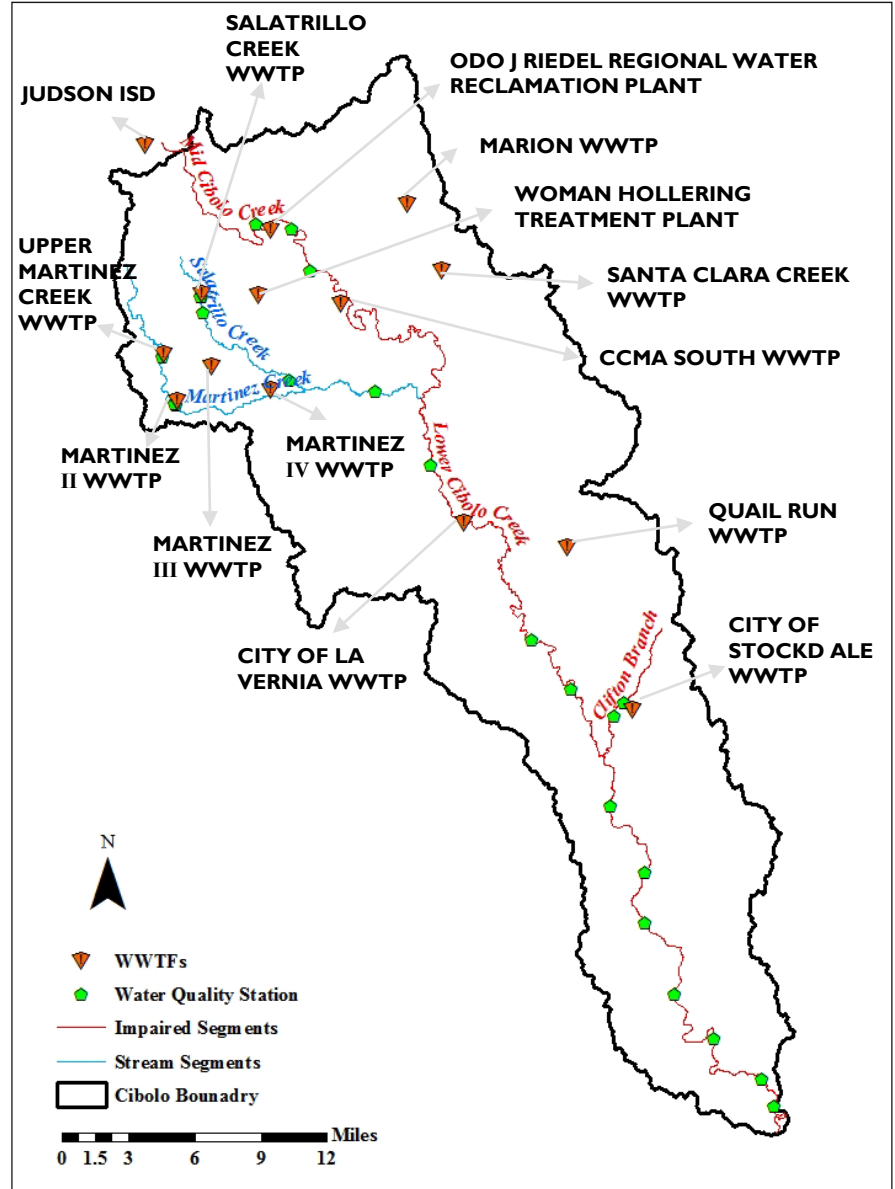


# Goals for Today

- ⦿ Service areas for WWTF and possible future growth
- ⦿ Septic System estimates and needs
- ⦿ Management Practices and Educational needs in the watershed

# Wastewater Treatment Facilities

14 Wastewater Treatment Facility Permits



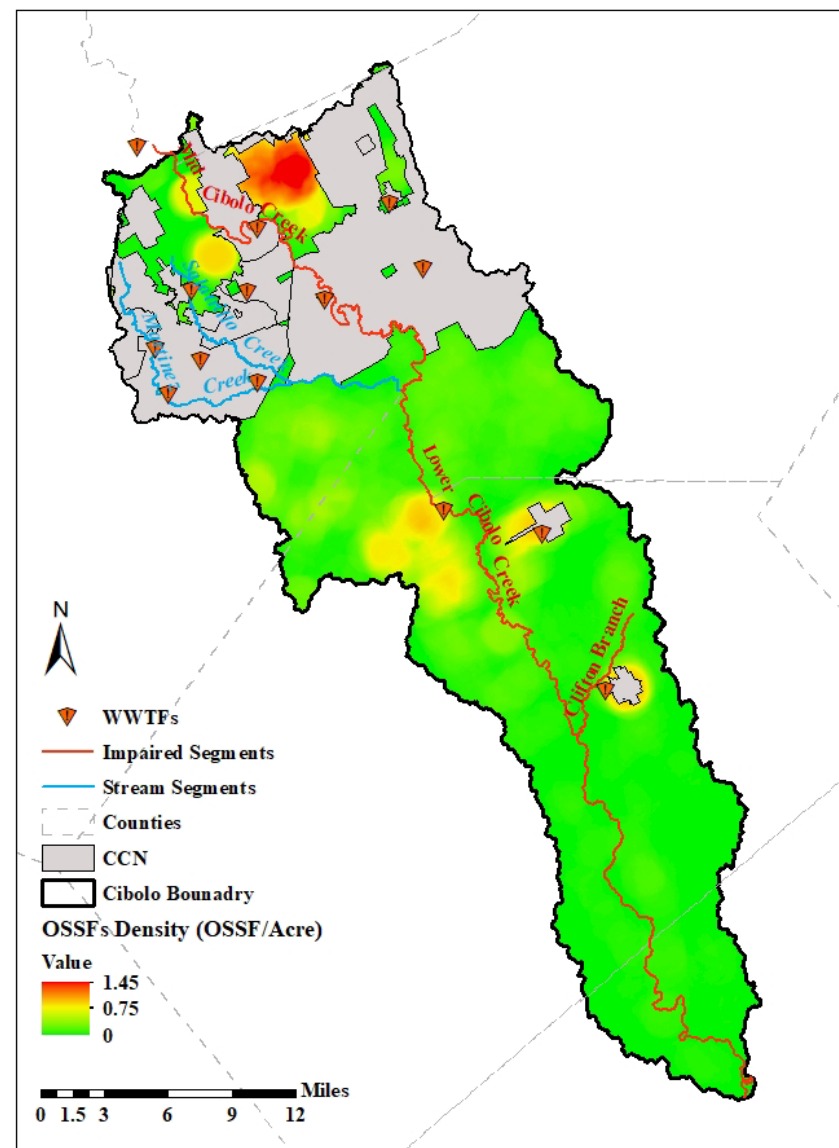
# WWTFs

Permit #	Permittee	Name	Received waterbody	Design Flow(MGD)	
WQ0015141001	Judson Independent School District	JUDSON ISD	Mid Cibolo Creek	0.03	
WQ0011269001	CCMA	ODO J RIEDEL REGIONAL WATER RECLAMATION PLANT	Mid Cibolo Creek	6.2	
WQ0015334001	CCMA	CCMA SOUTH WWTP	Mid Cibolo Creek	0.5	Permitted/Not Operational
WQ0010048001	City of Marion	MARION WWTP	Lower Cibolo Creek	0.2	
WQ0015360001	Green Valley Special Utility District	SANTA CLARA CREEK WWTP	Lower Cibolo Creek	5	Permitted/Not Operational
WQ0010292001	City of La Vernia	CITY OF LA VERNIA WWTP	Lower Cibolo Creek	0.25	
WQ0014672001	South Central Water Company	QUAIL RUN WWTP	Lower Cibolo Creek	0.075	
WQ0010292001	Stockdale	CITY OF STOCKDALE WWTP	Lower Cibolo Creek	0.3	
WQ0010749001	SARA	SALATRILLO CREEK WWTP	Salitrillo Ck	5.83	
WQ0015371001	City of Schertz	WOMAN HOLLERING TREATMENT PLANT	Womans Hollow Ck	0.046	
WQ0010749003	SARA	UPPER MARTINEZ CREEK WWTP	Martinez Ck	2.21	
WQ0014042001	SARA	MARTINEZ III WWTP	Escondido Ck	0.15	
WQ0010749004	SARA	MARTINEZ II WWTP	Martinez Ck	2	
WQ0010749007	SARA	MARTINEZ IV WWTP	Martinez Ck	2	Permitted/Not Operational

24.8 MGD

# Septic Systems - OSSFs

- Estimated using
  - 2010 Census block housing units
  - 911 address points
  - Aerial imagery
  - Removed areas serviced by WWTF
- **16,949 OSSFs estimated in watershed**
- **Corrected CCN's yielded 718 more OSSFs**
- Estimated failure rate ~13% based on age/soil



# Questions?

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