

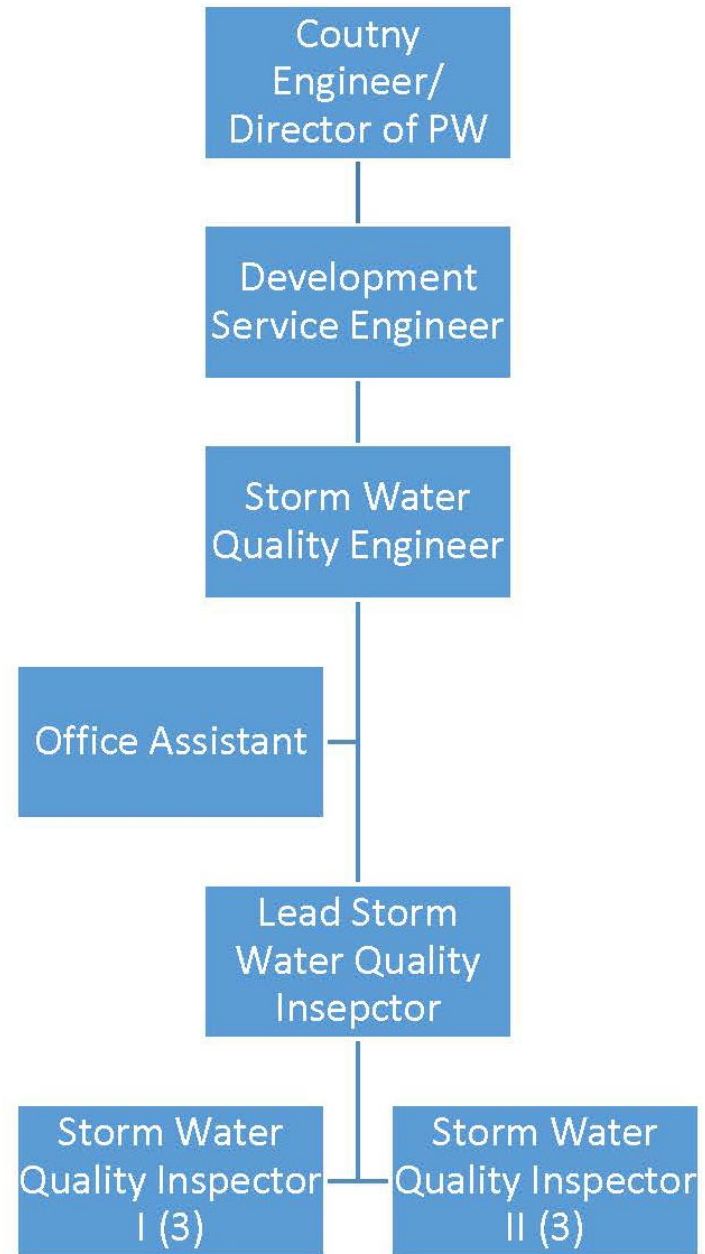
# BEXAR COUNTY

Storm Water Quality Division



Zaid Subhi, MSCE, PE, PMP  
Civil engineer / Storm Water Quality Engineer

## Storm Water Quality Division Structure



# What Does The Storm Water Quality Division Do?

- ▶ Review SWP3 Plans for Projects disturb 1-acre or more or part of a common development plan.
- ▶ Issue Storm Water Quality Site Development Permits.
- ▶ Issue a Post-Construction Storm Water Mitigation Permits.
- ▶ Review WPAP and CZP plans for sites over the Edwards Aquifer Zone(s).
- ▶ Inspect construction site, issue Field Correction Notice, Notice of Violation, and issue a stop-work order.
- ▶ Generate an annual report to TCEQ to keep with County's permit in compliance with TPDES requirements.
- ▶ Coordinate with local, state and federal agencies to protect our water resources in the county.
- ▶ Respond to Complaints such as illicit discharge, filling in the floodplain, disturbing or filling aquatic resources, etc.
- ▶ Conduct Public outreach and sponsor events related to Water Resources & Environment.
- ▶ Participate in the Implementation-Plan Committee meeting to develop TMDL levels for impaired water bodies in upper San Antonio River Watershed (USAR)
- ▶ Conduct aerial survey in coordination with Environmental Service Dept. and San Antonio River Authority.

# SWQ Site Development Permit & Post-Construction Permit

## ▶ When Permit is Required?

- ▶ When 1 acre or more is disturbed or when less than 1 acre is disturbed as part of a common plan of development.
- ▶ Disturbance includes:
  - ▶ Clearing
  - ▶ Grading
  - ▶ Excavating
  - ▶ Construction-related activity (e.g., stockpiling of fill material, demolition)

For more info, visit <https://www.tceq.texas.gov/permitting/stormwater/construction>



# Site Work

- ▶ When Work Can Start

- ▶ When the Bexar County Storm Water Quality Site Development Permit has been approved and any other subsequent permits are received such as:

- ▶ BPA

- ▶ ROW

- ▶ Floodplain

- ▶ PC Permit

- ▶ TCEQ (NOI & CSN)

- ▶ Is the permit required for a BPA?

(Building Permit Authorization)

- ▶ YES

# Submittals

## ▶ SWQ Permit

### Required Submittals

- ▶ Signed Application <https://www.bexar.org/2059/Stormwater-Quality-Site-Development-Perm>
- ▶ \$500 fee (check made out to “Bexar County Clerk”)
- ▶ Copy of SWPPP
  - ▶ Hard Copy, or
  - ▶ Electronic Copy as PDF with hard copy of Erosion and Sediment Control site plan sheet.

## ▶ PC Permit

### Required Submittals

- ▶ Signed Application & mitigation worksheet <https://www.bexar.org/2147/Post-Construction-Permits>
- ▶ \$50, 250, no fee (check made out to “Bexar County Clerk”)
- ▶ Copy of
  - ▶ Impervious Cover Exhibit with a breakdown
  - ▶ Supporting Documents for all mitigation points achieved.

## ▶ When Review Can Begin

- ▶ When all submittals have been received

# Requirements

- ▶ Bexar County Requirements in addition to Construction General Permit /TCEQ
  - ▶ Must show concrete washout pit on Erosion and Sediment Control site plan sheet
  - ▶ Concrete washout pit must have 10 mil lining or other approved containment used.
  - ▶ Engineer signature and seal required for infrastructure plans (review purposes ONLY). NO seal required in the field.
  - ▶ Pre construction and post construction contours on erosion and sediment site plan sheet
  - ▶ Floodplain boundaries on erosion and sediment site plan sheet

# Updated Court Order

- ▶ Concrete washout to have 10 mil lining or other approved containment
- ▶ Floodplain to be marked in the field
- ▶ Description of methods used to contain all blow-able and floatable trash and debris
- ▶ Must submit NOT to Bexar County and schedule a final inspection to close out permit.
- ▶ Submit a copy of WPAP /CZP approval letters (if applicable)
- ▶ Floodplain permit to be posted to site (if applicable)
- ▶ New Administrative penalties - citations in field

# Review Process

- ▶ Review will not begin until all submittals are received.
  - ▶ Application, SWPPP Narrative & Plans, Check
- ▶ Time line
  - ▶ Initial Review: 30 days from date received (typical)
  - ▶ Second Review: 15 days from date received
- ▶ Documents received upon approval
  - ▶ Letter designating permit number and giving approval
  - ▶ Permit application signed by owner/authorized agent with permit number
  - ▶ SWPPP checklist outlining review
- ▶ Approval Letter **MUST** be posted at site with TCEQ Construction Site Notice

# Examples of SWQ & PC Permit Approval Letters



**COUNTY OF BEXAR  
PUBLIC WORKS DEPARTMENT**

1948 Probandt St.  
San Antonio, TX 78214  
(210) 335-6700 (voice)  
(210) 335-6713 (fax)

**Permit Holder Information**

**M/I HOMES OF SAN ANTONIO, LLC**  
4949 N. LOOP 1604 WEST, S-220  
SAN ANTONIO, TEXAS 78249

**Bexar County Inspector Contact Information**

Name: Irene Rocha  
Cell: 210-837-2976  
Email: Irene.Rocha@bexar.org

**Emergency Contact Information:  
210.681.2951 ( Matthew Hairell )**

**Summer Hills Subdivision Unit 1**

Project Type : Site Development - No Vertical Construction  
Acres of Disturbance: 26.05

Permit Number: **SWQ FY22\_2374** Permit Issued: **7/11/2022**

Anticipated Work Start Date: **7/16/2022**

Anticipated Work Stop Date: **12/1/2022**

**A TCEQ NOI permit is required. Pursuant to the TPDES General Permit TXR150000, Section E, Paragraph 3(d): Two days prior to commencing construction activities, all primary operators must provide a copy of the signed NOI to the operator of any MS4.**

**The TCEQ Site Construction Notice along with a copy of this permit must be posted at the construction site.**

**Once the NOI, this permit, and all other required permits listed below are posted on site, have your contractor notify the Bexar County Storm Water Quality Inspector identified on this permit by text or e-mail at least two (2) working days before starting construction. The inspector will verify all required permits identified below have been obtained and the storm water quality protection measures have been installed.**

**Activities Covered Under This Permit**

Wet Utilities (Sewer, Water)  
Utility Work Off Site - Water Main  
Infrastructure (Streets and Drains)  
Fill  
Permanent Storm Water Structure (Basin)

**Other Required  
Permits**

**POST THIS PERMIT ON SITE**

SWQ FY22\_2374  
**TCEQ NOI -  
NOT ISSUED**

**Activities Covered Under This Permit**

Clearing / Mass Grading  
Dry Utilities (Electric, Fiber, Cable)

**Other Required  
Permits**

**TCEQ NOI -  
NOT ISSUED**

**Post Construction Permit 1364**

**Mitigation Required**

**Storm Water Quality Permits do not expire. When work is complete, contact the Storm Water Quality Inspector to conduct a final inspection to verify the Post Construction Permit is finalized, all temporary storm water quality Best Management Practices (BMPs) have been removed, vegetation has been established to an acceptable level, and all permanent post construction BMPs have been installed. Sending the NOT to TCEQ does not automatically retire the Bexar County Permit. If you have any questions, please contact Zaid Subhi at (210)335-6663.**

Amendment	Date	Description
-----------	------	-------------

**POST THIS PERMIT ON SITE**



COUNTY OF BEXAR  
PUBLIC WORKS DEPARTMENT

1948 Probandt St  
San Antonio, TX 78214  
(210) 335-6700 (automated system)

Permit Holder Information

M/I HOMES OF SAN ANTONIO, LLC  
4949 N LOOP 1604 WEST, S-220  
SAN ANTONIO, TEXAS 78249

Pre-Construction Storm Water Control Measure Permit

Summer Hills Subdivision Unit 1

Permit Number: PC FY22\_1364

Issued: 7/11/2022

The following items listed below are permanent best management practices (BMPs) to be installed during the construction and/or implemented after completion of this development. In order to complete the Post-Construction portion of this permit, submit the documents identified in the Action to Complete Permit section for each BMP to Zaid Subhi after construction and contact the Storm Water Inspector for a final inspection.

Please be aware this permit is NOT COMPLETE until the Post-Construction portion of the permit application has been approved.

Post Construction Best Management Practices (BMPs) to be Constructed or Implemented		
BMP Type to be Verified	Location	Action to Complete Permit
Detention Pond *	North Detention Pond Lot 900/ Block 6 by Flatiron Way Cul-de-sac	- Engineer Compliance Letter - Name of Maintenance Provider - Provide Bexar County Clerk Document Number of the filed permanent BMP site plan with maintenance plan and schedule
Detention Pond *	South Detention Pond Lot 900/ Block 5 on Kinney Rd	- Engineer Compliance Letter - Name of Maintenance Provider - Provide Bexar County Clerk Document Number of the filed permanent BMP site plan with maintenance plan and schedule

Post Construction Best Management Practices (BMPs) to be Constructed or Implemented

A copy of this permit must be displayed at the construction site.

Failure to complete this permit is a violation of the 'Bexar County Storm Water Pollution Prevention' Court Order and will result in a citation or fine.

If you have any further questions, please contact me at 210-335-6663.

Respectfully,

Zaid Subhi, PE  
Storm Water Quality Engineer

# Inspection Process

- ▶ How often inspected?
  - ▶ Typically every 5-6 weeks
- ▶ Reports
  - ▶ Every inspection will have a report generated and emailed to contact listed on the application
- ▶ Types of Violation Letters
  - ▶ Routine Report
  - ▶ Field Correction Notice (FCN)
  - ▶ Stop Work Order (SWO)
  - ▶ Citation given in field

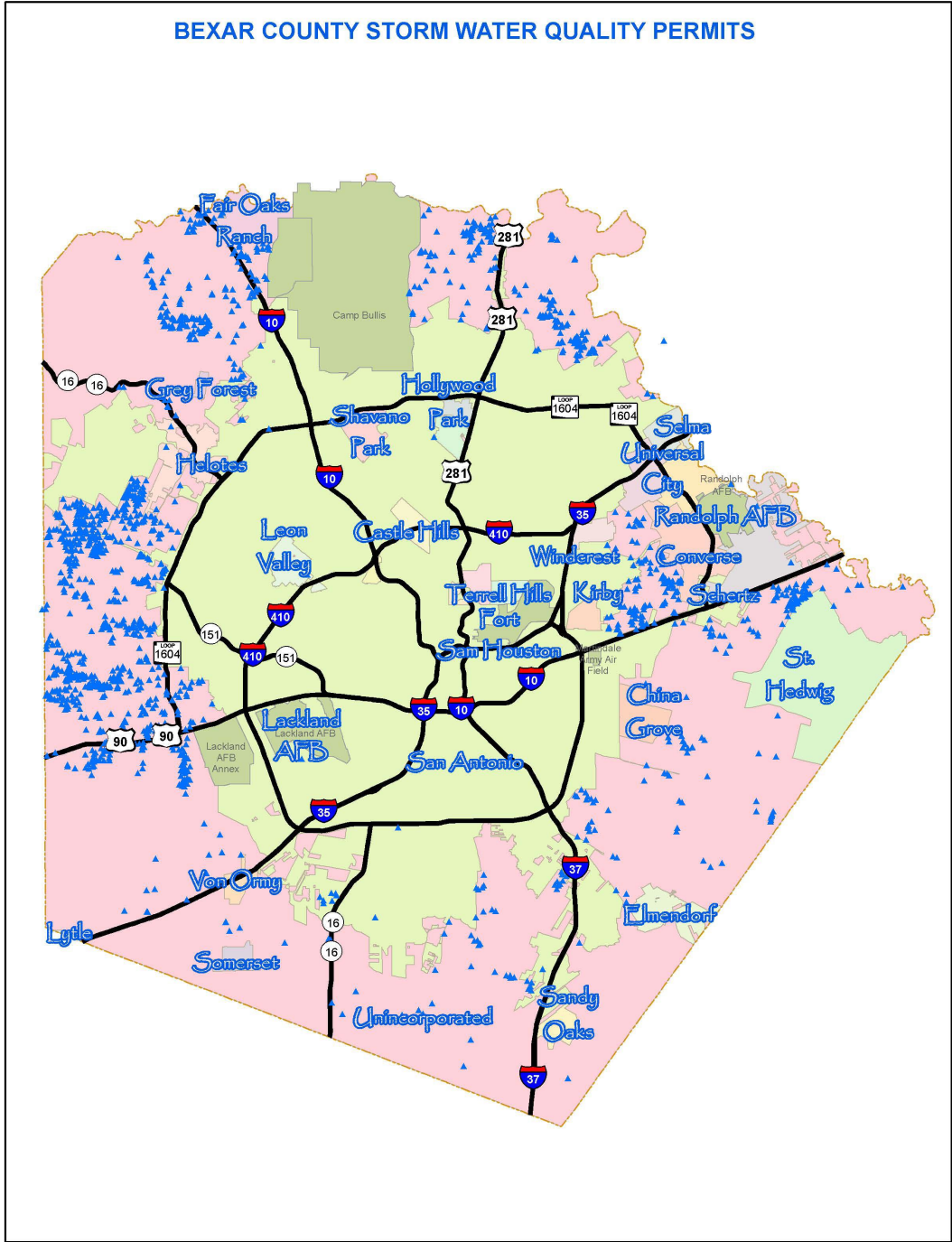


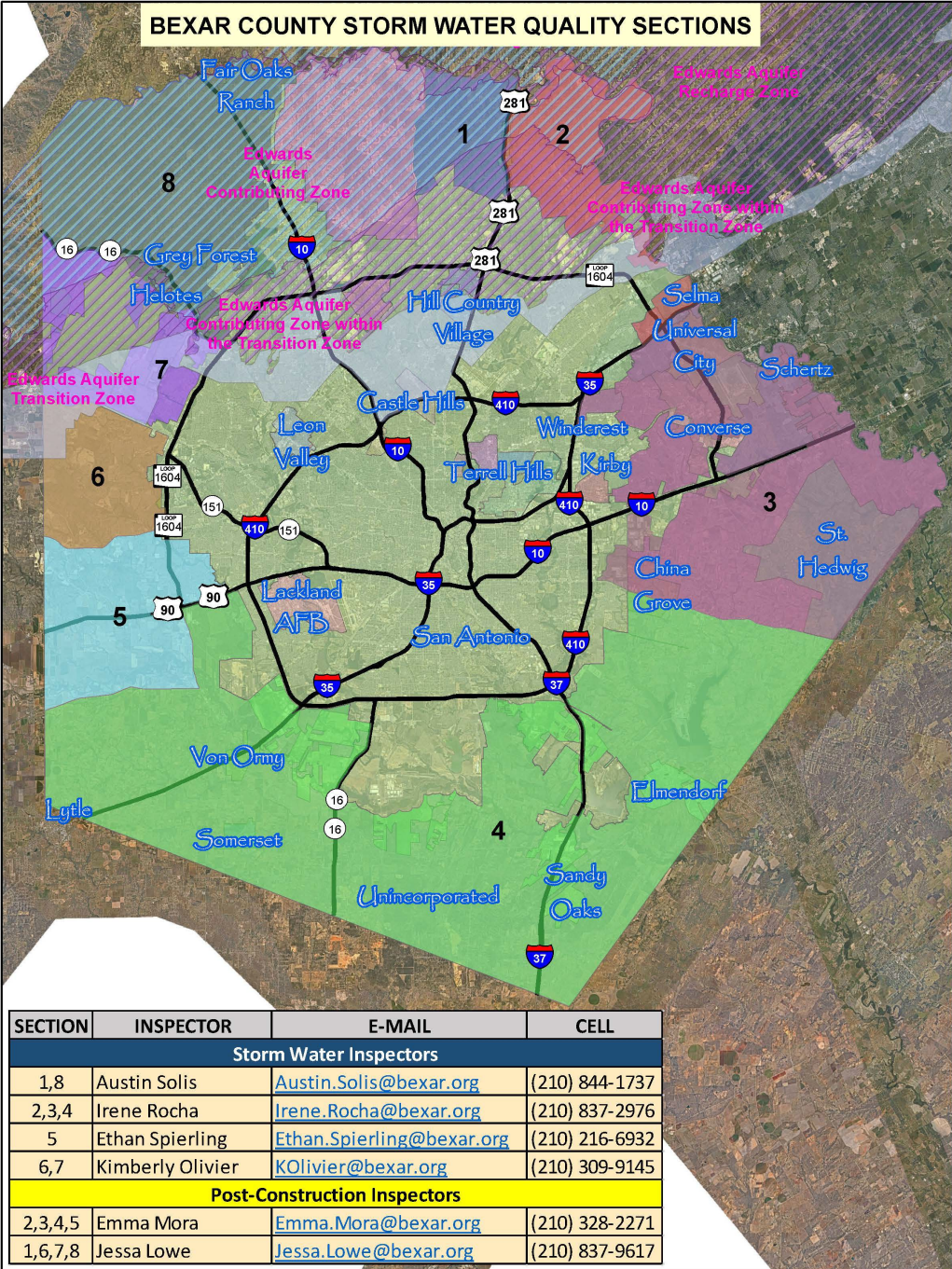
# Violation Process

1. **Report**
  - ▶ Routine Issue
  - ▶ Issues expected to be corrected by next inspection (3-4 weeks).
2. **Field Correction Notice (FCN)**
  - ▶ Extended/ Immediate Issue
  - ▶ Issues expected to be corrected by date specified on FCN.
3. **Stop Work Order (SWO)**
  - ▶ Immediate/ Serious Issue
  - ▶ All work on site will stop until issues have been corrected. Inspector will be by each day to ensure work has ceased.
4. **Citation**
  - ▶ Immediate / Serious Issue
  - ▶ Citation will be issued in the field if CWA, TWC, or Bexar County Storm Water Quality Court Order is violated.

# When to Close Out SWQ Permit?

# Active Construction Sites

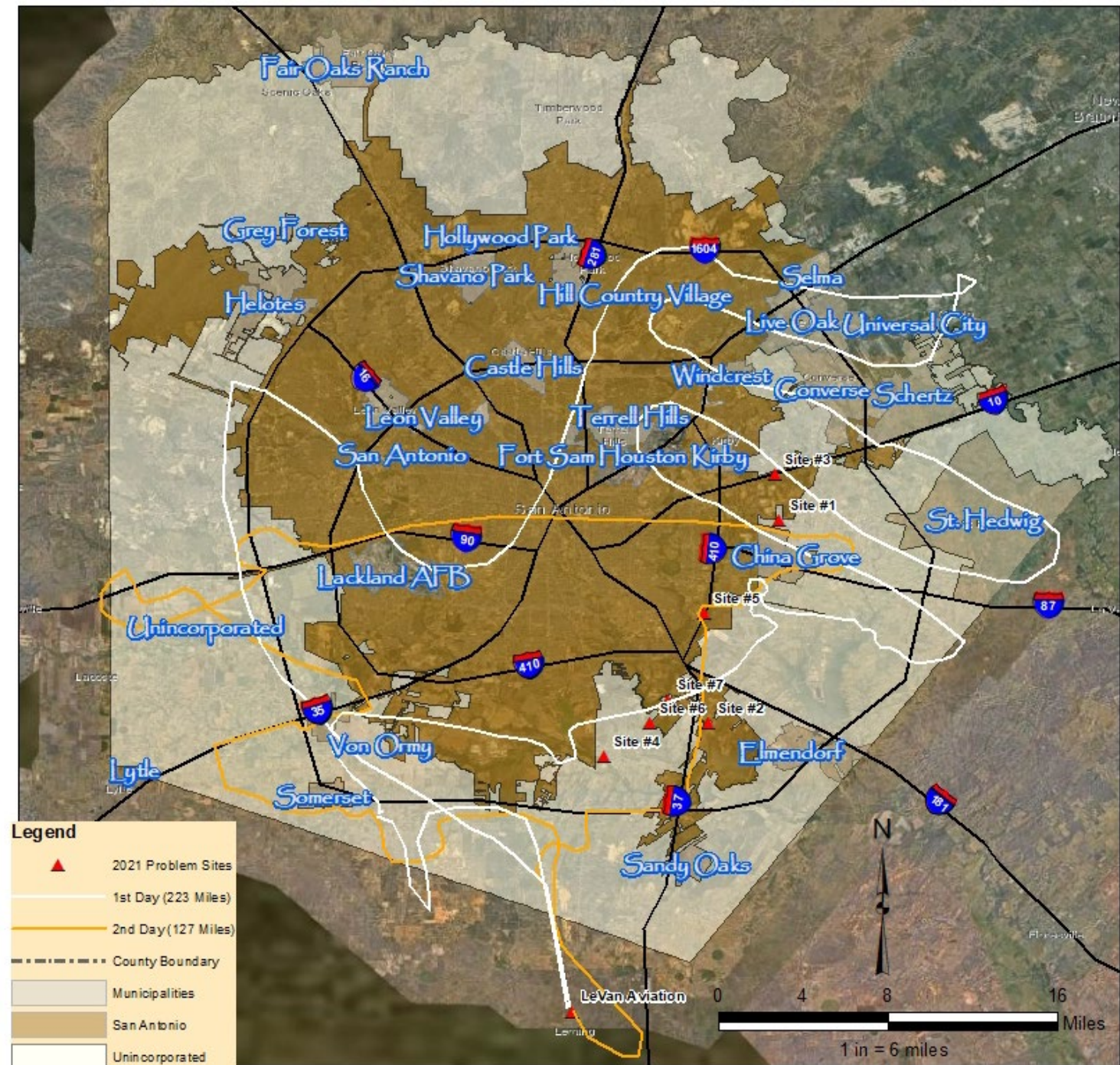




SECTION	INSPECTOR	E-MAIL	CELL
<b>Storm Water Inspectors</b>			
1,8	Austin Solis	<a href="mailto:Austin.Solis@bexar.org">Austin.Solis@bexar.org</a>	(210) 844-1737
2,3,4	Irene Rocha	<a href="mailto:Irene.Rocha@bexar.org">Irene.Rocha@bexar.org</a>	(210) 837-2976
5	Ethan Spierling	<a href="mailto:Ethan.Spierling@bexar.org">Ethan.Spierling@bexar.org</a>	(210) 216-6932
6,7	Kimberly Olivier	<a href="mailto:KOlivier@bexar.org">KOlivier@bexar.org</a>	(210) 309-9145
<b>Post-Construction Inspectors</b>			
2,3,4,5	Emma Mora	<a href="mailto:Emma.Mora@bexar.org">Emma.Mora@bexar.org</a>	(210) 328-2271
1,6,7,8	Jessa Lowe	<a href="mailto:Jessa.Lowe@bexar.org">Jessa.Lowe@bexar.org</a>	(210) 837-9617



# Aerial Survey













# Bexar County Drones



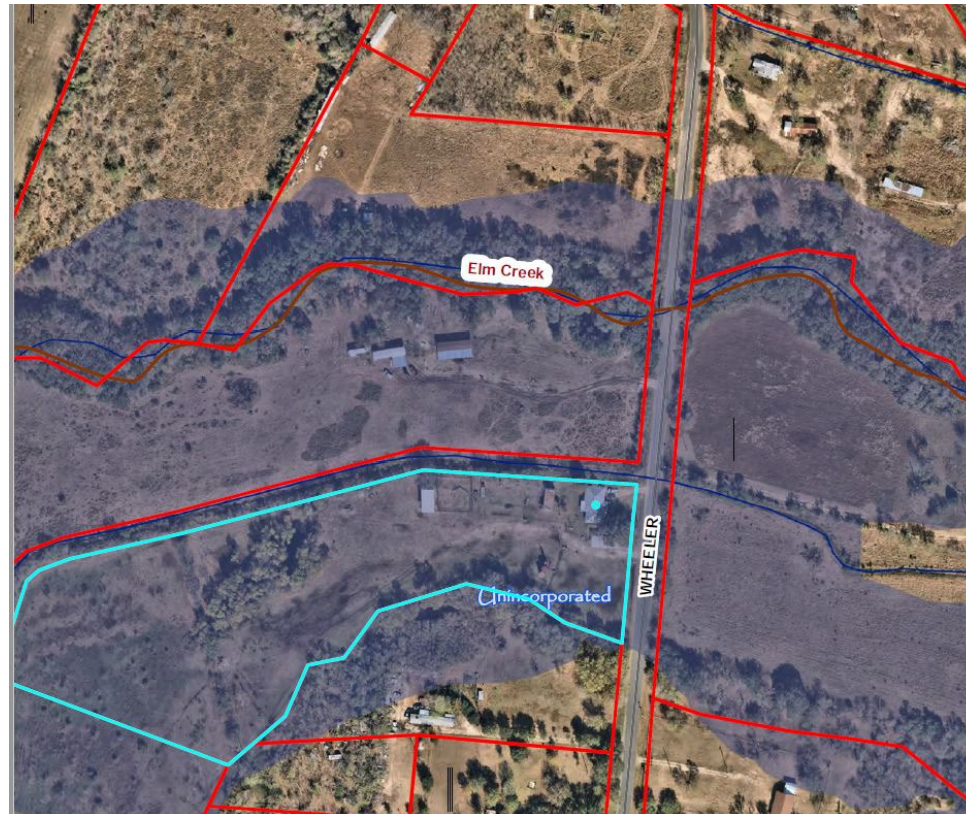




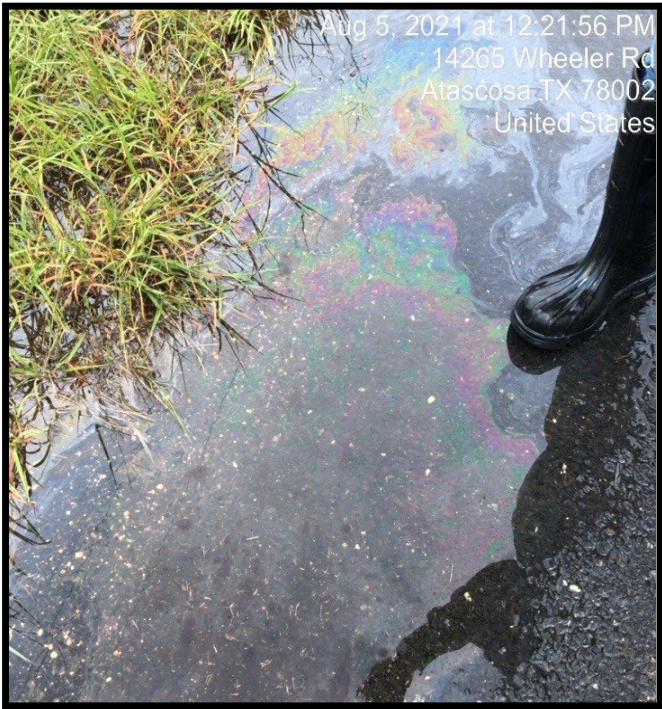


# Case Study

- ▶ Oil Spill from Oil Well API #02931228
- ▶ Site Location : 14265 Wheeler Rd, Atascosa, TX 78002







Aug 5, 2021 at 12:21:56 PM  
14265 Wheeler Rd  
Atascosa TX 78002  
United States



Aug 5, 2021 at 1:40:55 PM  
14265 Wheeler Rd  
Atascosa TX 78002  
United States



Aug 6, 2021 at 9:58:42 AM  
14265 Wheeler Rd  
Atascosa TX 78002  
United States



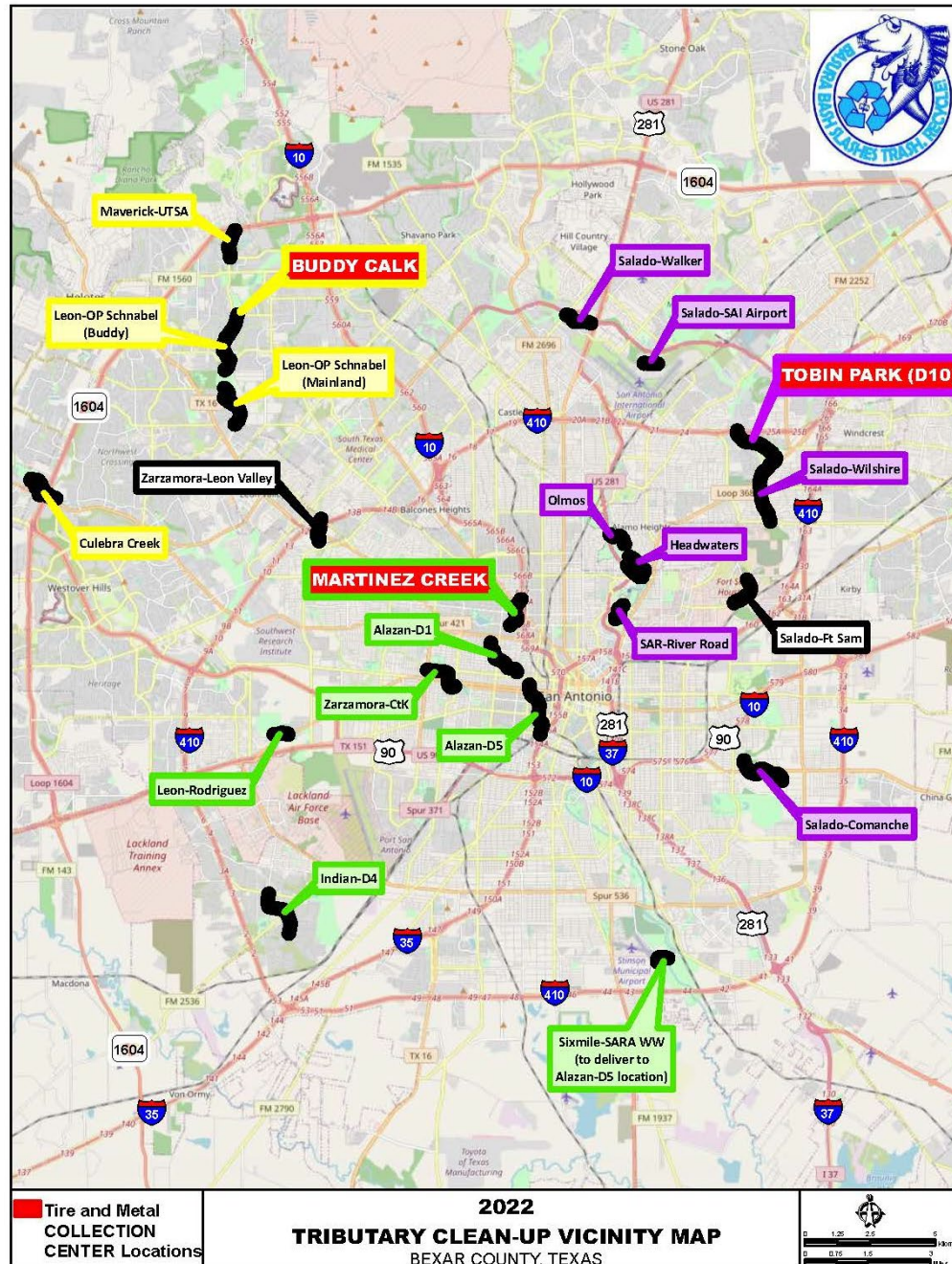


Aug 10, 2021 at 11:28:07 AM  
14265 Wheeler Rd  
Atascosa, TX 78002  
United States





# Basura Bash 2022





Feb 19, 2022 at 11:46:18 AM  
2614 Rigsby Ave  
San Antonio TX 78222  
United States



Feb 19, 2022 at 12:11:52 PM  
2614 Rigsby Ave  
San Antonio TX 78222  
United States



Feb 19, 2022 at 10:16:17 AM  
San Antonio TX 78222  
United States



Feb 19, 2022 at 10:39:00 AM  
San Antonio TX 78222  
United States  
Comanche Park





# Summary of Basura Bash 2022

- ▶ Trash : 22.81 Tons
- ▶ Tires: 7.27 Tons
- ▶ Metal: 1.99 Tons
- ▶ Overall Total : 32.07 Tons

**THANKS!**

**Q & A**

Future questions and inquiries,  
please email us at  
[SWQ@Bexar.Org](mailto:SWQ@Bexar.Org)