COUNTY OF BEXAR

PUBLIC WORKS DEPARTMENT

233 N. Pecos La Trinidad, Suite 420
San Antonio, Texas 78207-3188
Main 210-335-6700 Fax 210-335-6713

March 6, 2018

Texas Commission on Environmental Quality
ATTN: Ms. Joy Thurston-Cook
14250 Judson Rd
San Antonio, Texas 78233-4480

Re: Copy of Phase II MS4 Annual Report Transmittal for **BEXAR COUNTY**
TPDES Authorization: **TXR040031**

Dear Ms. Thurston-Cook:

This letter serves to transmit a copy of the 2018 Annual Report (Year 5) for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040031 for Bexar County that was submitted to Austin on March 8, 2018.

A separate Notice of Change has not been submitted based on the fact that changes have not been proposed for the next permit year.

Sincerely,

Andrew Winter, P.E.
Bexar County Environmental Engineer

COUNTY OF BEXAR

PUBLIC WORKS DEPARTMENT

233 N. Pecos La Trinidad, Suite 420
San Antonio, Texas 78207-3188
Main 210-335-6700 Fax 210-335-6713

March 5, 2018

Texas Commission on Environmental Quality
Storm Water & Pretreatment Team Leader (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

Re: Phase II MS4 Annual Report Transmittal for **BEXAR COUNTY**
TPDES Authorization: **TXR040031**

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040031 for Bexar County.

The annual report is for Year 5, reporting a period of January 1, 2018 through December 31, 2018.

A separate Notice of Change has not been submitted based on the fact that changes have not been proposed for the next permit year.

As required by the general permit, a copy of the report has been mailed to the TCEQ's regional office 13 in San Antonio, Texas.

Sincerely,

Renee D. Green

Renee D. Green, P.E.
Director of Public Works/ County Engineer

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: **TXR0400031**

Reporting Year (year will be either 1, 2, 3, 4, or 5):_**5**_

Annual Reporting Year Option Selected by MS4: **Calendar Year**

Calendar Year:__**X**__ Permit Year:__**N/A**__ Fiscal Year: __**N/A**__

Last day of fiscal year: (__**N/A**__)

Reporting period beginning date: **January 1, 2018**

Reporting period end date: **December 31, 2018**

MS4 Operator Level: **LEVEL 2** Name of MS4: **Bexar County**

Contact Name: **Andrew Winter** Telephone Number: **210-335-6487**

Mailing Address: **1948 Probandt St, San Antonio, TX 78214**

E-mail Address: **awinter@bexar.org**

A copy of the annual report was submitted to the TCEQ Region: **YES**

Region the annual report was submitted to: TCEQ Region **13**

B. Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions: (TXR040000 Part IV.B.2)

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		All measurable goals have been met
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		We are retaining all records indicated in Part IV Section A and reporting everything required in Part IV
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X		Yes, Bexar County has met the eligibility requirements of the permit

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (**see Example 1 in instructions**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
	See Attached Table	

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable. Summarize any information used (such as visual observation, amount of materials removed or prevented from entering the MS4, or, if required, monitoring data, etc.) to evaluate reductions in the discharge of pollutants. You may use the table below to meet this requirement (**see Example 2 in instructions**):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
SEE ATTACHED TABLE					

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (**see Example 3 in instructions):**

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
** SEE ATTACHED TABLE**		

C. Stormwater Data Summary

Provide a summary of all information used, including any lab results (if sampling was conducted) to assess the success of the SWMP at reducing the discharge of pollutants to the MEP. For example, did the MS4 conduct visual inspections, clean the inlets, look for illicit discharge, clean streets, look for flow during dry weather, etc.?

***See attached Summary**

D. Impaired Waterbodies

1. Identify whether an impaired water within the permitted area was added to the latest EPA-approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). List any newly-identified impaired waters below by including the name of the water body and the cause of impairment.

   Segment 1902A Martinez Creek was added to the 2016 Texas Integrated Report 303(d) list for bacteria as of October 2018.

   If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern.
   ***SEE ATTACHED NARRATIVE**

2. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL.

   ***SEE ATTACHED NARRATIVE**

3. Report the benchmark identified by the MS4 and assessment activities:

Benchmark Parameter *(Ex: Total Suspended Solids)*	**Benchmark Value**	**Description of additional sampling or other assessment activities**	**Year(s) conducted**
Bacteria	NO WLA given by the TMDL	NO WLA Identified by TCEQ	N/A

4. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark:

Benchmark Parameter	**Selected BMP**	**Contribution to achieving Benchmark**
SEE TMDL BMP TABLE		

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark

6. If applicable, report on focused BMPs to address impairment for bacteria:

Description of bacteria-focused BMP	Comments/Discussion
SEE TMDL BMP TABLE	

7. Assess the progress to determine BMP's effectiveness in achieving the benchmark.

For example, the MS4 may use the following benchmark indicators:

- number of sources identified or eliminated;
- number of illegal dumpings;
- increase in illegal dumping reported;
- number of educational opportunities conducted;
- reductions in sanitary sewer flows (SSOs); /or
- increase in illegal discharge detection through dry screening.

Benchmark Indicator	Description/Comments
SEE ATTACHED TMDL BMP TABLE	

Benchmark Indicator	Description/Comments

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
SEE ATTACHED TABLE			

F. SWMP Modifications

1. The SWMP and MCM implementation procedures are reviewed each year.

   __**X**_Yes _____No

2. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review.
   ____Yes __**X**_No

If "Yes," report on changes made to measurable goals and BMPs:

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)
N/A		

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)

Note: If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible, and why the replacement BMP is expected to achieve the goals of the original BMP.

3. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land, etc.).
   N/A

G. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans.

BMP	Description	Implementation Schedule (start date, etc.)	Status/Completion Date (completed, in progress, not started)
None at this time			

H. Additional Information

1. Is the permittee relying on another entity to satisfy any permit obligations?

   ___ Yes _**X**_ No

   If "Yes," provide the name(s) of other entities and an explanation of their responsibilities (add more spaces or pages if needed).

   Name and Explanation: **N/A**

2.a. Is the permittee part of a group sharing a SWMP with other entities?

___ Yes _**X**_ No

2.b. If “yes,” is this a system-wide annual report including information for all permittees?

___ Yes ___ No **N / A**

If “Yes,” list all associated authorization numbers, permittee names, and SWMP responsibilities of each member (add additional spaces or pages if needed):

Authorization Number: _____**N / A**_____ Permittee:____**N / A**_____

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Large and Small Site Notices submitted by construction site operators):

_**802**_

2a. Does the permittee utilize the optional seventh MCM related to construction?

___ Yes _**X**_ No

2b. If “yes,” then provide the following information for this permit year:

The number of municipal construction activities authorized under this general permit	**N / A**
The total number of acres disturbed for municipal construction projects	**N / A**

Note: *Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.*

J. Certification

If this is this a system-wide annual report including information for all permittees, each permittee shall sign and certify the annual report in accordance with 30 TAC §305.128 (relating to Signatories to Reports).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (printed): **Renee D. Green, P.E.**

Title: **Bexar County Engineer, Director of Public Works**

Signature: Renee D. Green Date: 3/4/2019

Name of MS4: **Bexar County**

If you have questions on how to fill out this form or about the Stormwater Permitting program, please contact us at 512-239-4671.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

B. Narrative Provisions

1. See Template.

2. See BMP tables for BMP information.

3. The tables provided reference just some of the BMPs that Bexar County utilizes to help reduce the amount of pollutant entering our MS4. We have found that a majority of the BMPs utilized have been effective in reducing pollutant discharges.

   For educating the public, we have found that simply informing the public through brochures has shown improvement. We had bags made with our storm water slogan "Only Rain in the Drain" written on them and have been handing those out stuffed with our brochures for code compliance, on-site sewage facilities, animal control and storm water quality. The brochures for code compliance target illegal dumping, the brochures for on-site sewage facilities target septic failures and overflows, the brochures for animal control target nutrients and bacteria (Scoop Your Poop), and the brochures for storm water quality target illicit discharges and general SWQ issues on construction sites. We have seen an increase in the number of violations reported by the public along with a higher willingness to comply due to having the general knowledge of storm water quality.

   We also participate in educating the engineers and contractors on the requirements for storm water quality in Bexar County. We have had special USBs made with our slogan "Only Rain in the Drain" printed on them. On the USB is information for all our departments in Public Works including Storm Water Quality, Code Compliance, OSSF, and Animal Control. We have seen a large number of people utilize the information off the USB to help with permitting and compliance.

   Through training County staff and field workers on illicit discharges, we have seen an increase in monitoring for illicit discharges and illicit connections from employees in our service centers. With our current storm sewer map, we are able to back track illicit discharges and find their sources.

   With reviewing SWPPP documents as part of the permitting process, we are able to ensure proper planning for construction sites along with making sure all sites are aware of the regulations. Once reviewed, the inspection and enforcement of the sites ensures the plans are executed on site appropriately and any changes made are done appropriately. This has helped to reduce the amount of complaints against construction sites.

   All post construction structures owned by Bexar County are inspected quarterly and any repairs needed are done. We have been working with the engineering and real-estate communities in Bexar County and have completed a post construction bmp manual which is applied to the all sites 1 acre or more. The post construction manual is paired with a permit which went into effect on April 1, 2016. Currently, we had all staff trained on post construction O&M on February 12, 2016. The previous year, we received 156 permits and this year we received 214 for a total of 465 active Post Construction sites since the program went into effect.

   Also, our good housekeeping mcm of training on spill response has proven to be good. We have had high turnover due to the oil boom in south Texas. With having an annual training, it allows us to train new employees so as to keep everyone up to date on spill response. As a result, we have seen fewer spills at service centers and better handling of spills when they occur.

4. See BMP tables for Measurable Goal information

C. Storm Water Monitoring Data

1. Yes

   a. <u>Helicopter Flight</u>

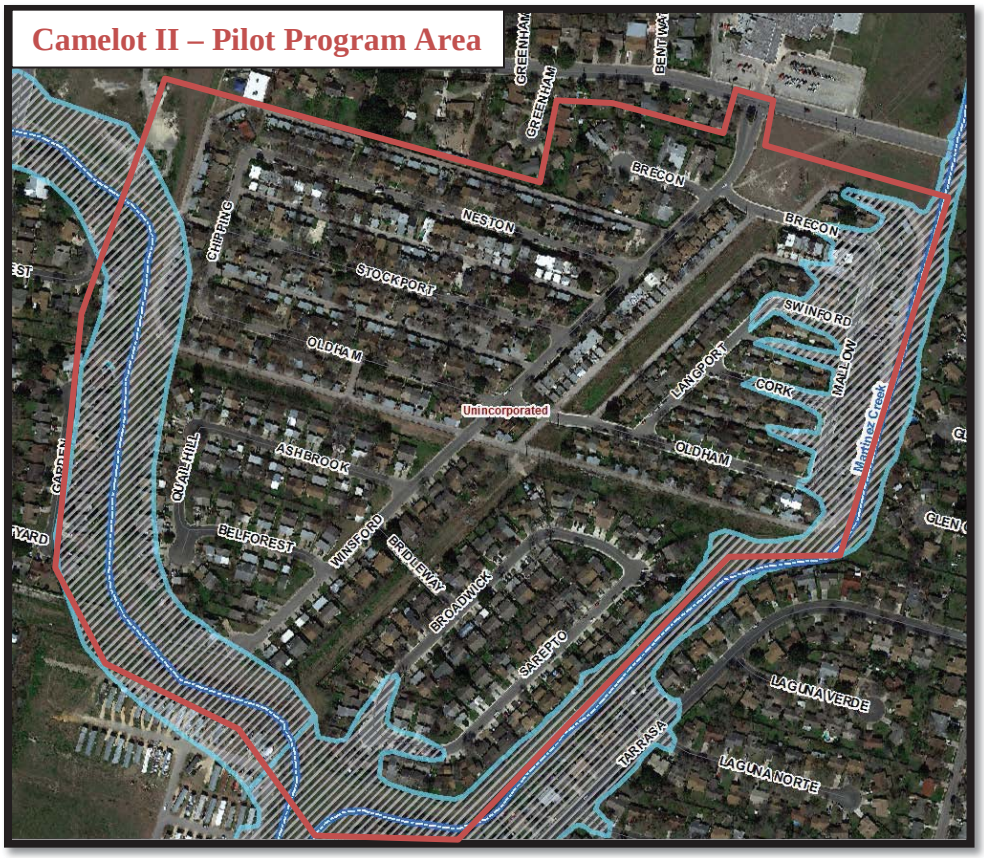
   Every year we conduct an annual aerial rivers survey. Each year we fly approximately 600 miles of river to inspect for dumping along the stream banks. We have been doing this for 6 years. We make a point to try to take photos in the same areas year after year to see if there has been a reduction in floatables in the rivers/ streams.

   Any reduction in dumping on stream banks or in the streams themselves will reduce the amount of pollutants entering our MS4. Attached are photos showing a reduction in dumping along the stream banks from over the past 5 years. We typically take approximately 12,000 photos during the survey so it does take considerable time to go through and match.

   This year, we have decided to focus our efforts to primarily the impaired water bodies and known dumpsites. We have been seeing a large increase in development in Bexar County and illegal dumping comes along with it. The next page is a copy of a map of the areas that were flown.

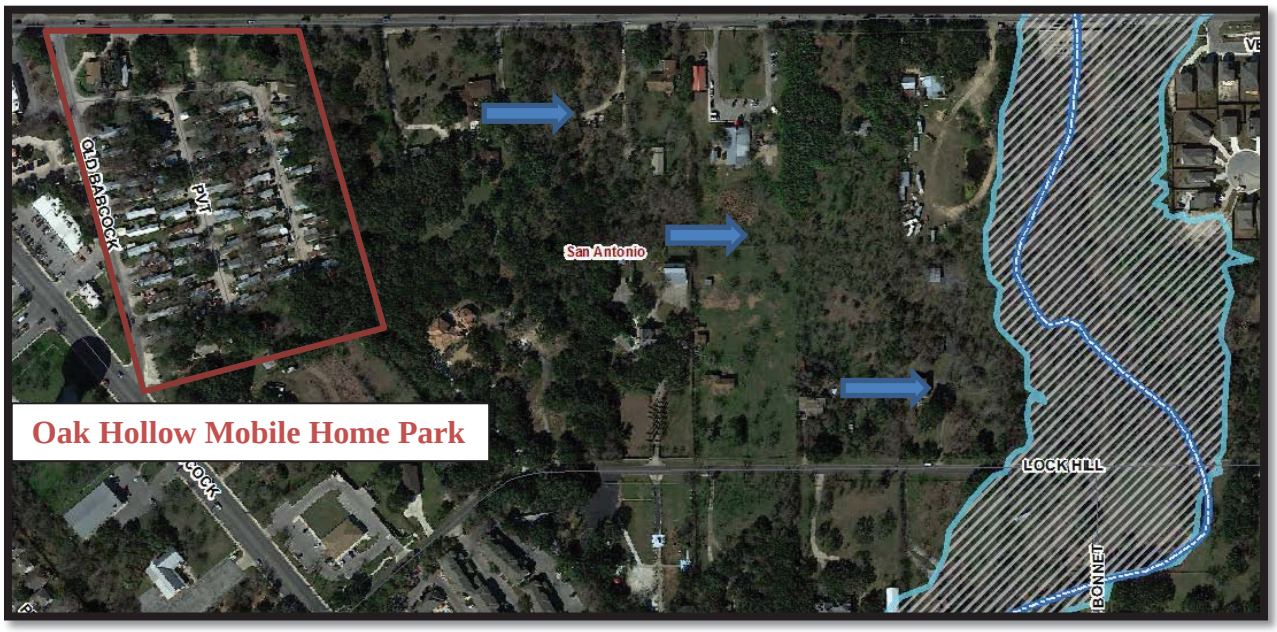
   <u>Mandatory Trash Collection Pilot Program</u>

   We also started a mandatory trash collection pilot program (which is described in more detail in the next section.) With this program, we wanted to focus on the neighborhood in which we had the most issues with, Camelot II. For the first year of the program we have seen a 66% decrease in trash issues with complaints dropping dramatically from 103 in 2015 to only 34 in 2016 and has remained steady through to 2018. This neighborhood is located adjacent to Martinez Creek (newly added this year to the 303(d) list for bacteria) and the reduction in trash lying on the ground will reduce the amount of bacteria and nutrients in the water.



Focus on Septic Failures

We also made a point to focus on reducing failing septic systems in Bexar County. (See attached map). All areas we focused on are large mobile home parks that have had numerous problems in the past with septic failures. The main area we have had issues with recently would be the Oak Hollow Mobile Home Park. While this mobile home park is located within the City of San Antonio, Bexar County is still responsible for all septic systems within Bexar County regardless of municipalities. This mobile home park has been an issue for a decade. Recently, we decided to take more action and are prosecuting the owner of the mobile home park. We will be able to update you further on this issue next year as this is still an open investigation with the Bexar County District Attorney. See attached memo for more information. With this site cleaned up, there should be a reduction in nutrients and bacteria into Huebner Creek which is only 1,500 feet away.



Portable Camera

Currently, Bexar County is paying $1600 a month to have a portable 24hr monitored camera that we can utilize at dumping hotspots across Bexar County. There have been numerous incidents where the camera has stopped dumping and even was able to get the dumpers to pick up what they had dumped due to a live operator speaking directly to the dumper.

Below are a few photos of dumping that was directly stopped due to the camera. The photos are related to an illegal dumping case against a business, Wez-Mart, on the east side of Bexar County. The dumpsters at the business were constantly overflowing with household garbage creating a public health issue for the neighborhood. The owner had a trash service, but the public who lived in the area would drive up and dump their trash in the business's trash receptacle and if the receptacle was full, they would dump in on the ground. After about 6 months of the camera at the location, the dumping stopped. Deputies on staff would then follow up with those that dumped and left the site through a license plate search.

Animal Control

Now that Bexar County has an Animal Control program we are able to collect stray animals off the street. We typically target areas that have large amounts of stray dogs wandering the streets and set traps. This past year we collected 1537 dogs which will reduce the amount of nutrients and bacteria that can run into our rivers, creeks and streams.

The next couple of pages are maps showing all animal collection locations. Notice how concentrated some areas of Bexar County are, especially on the north east side. That area is Camelot II, the same area as the Trash Pilot Program discussed above. Camelot and the surrounding neighborhood had a total of 149 stray animals collected, a 56% decrease from the year before. The overall trend for the Camelot area is downward, reflecting the importance of trash collection.

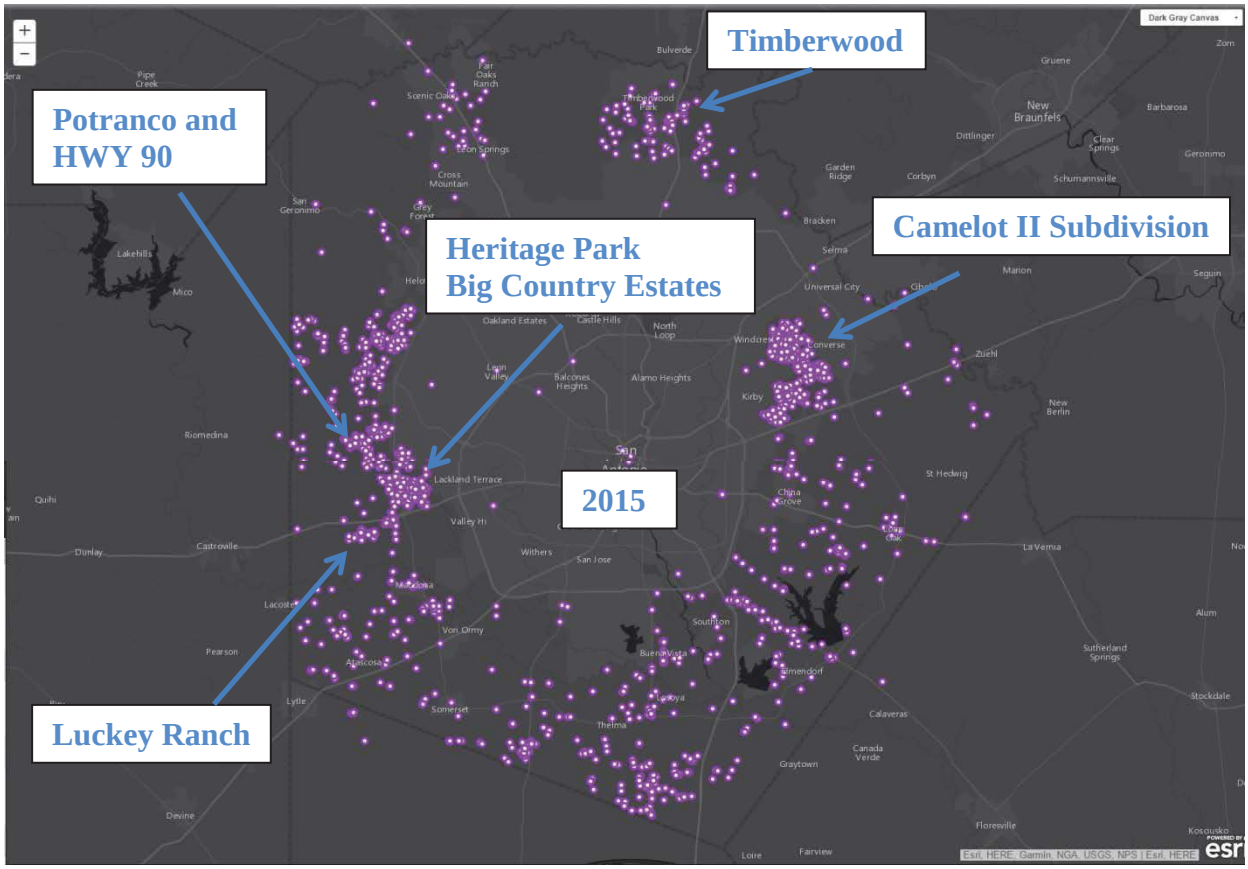
Another area that sees numerous stray animals is on the west side near Loop 1604 and HWY 90. This area of town is just starting to develop and with that we are seeing numerous stray dogs attracted to

the area. Neighborhoods include Luckey Ranch, Heritage Park and Big Country Estates. A total of 318 or 10% of all stray animals were collected from these neighborhoods. This is a 57% increase from the year before. Again, with the reduction of the stray animals, there will be a reduction in bacteria and nutrients.

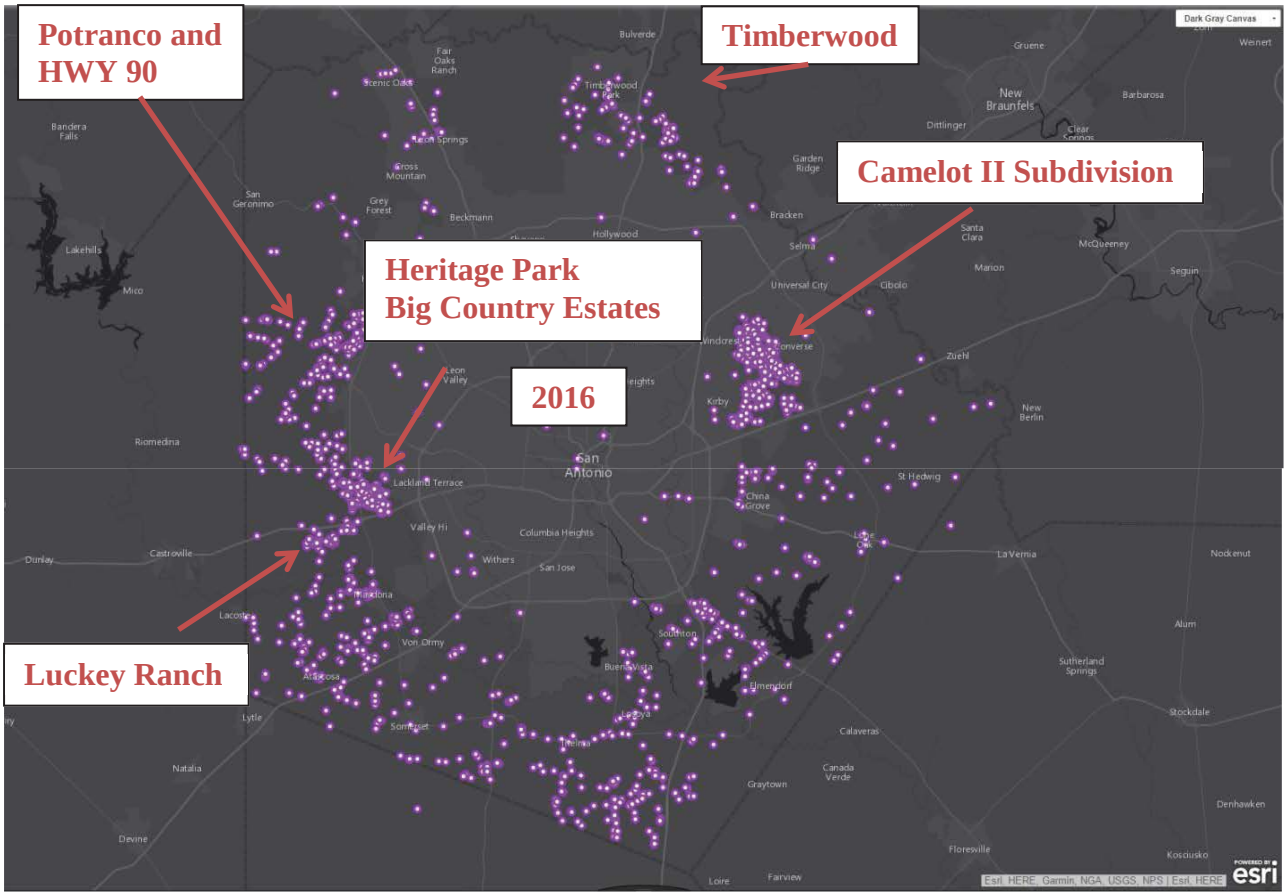
Below are maps showing all animal collected throughout the Bexar County starting from 2015 thru 2018 with a table showcasing our hot spot areas.

When assessing the table, you will notice that last year, 2017, there was a dip in the amount of animals collected. This was due in part to our transition into a new kennel facility. There was a bit of a wait time between ending our contract with the old facility and starting at the new facility which did not allow us to collect animals.

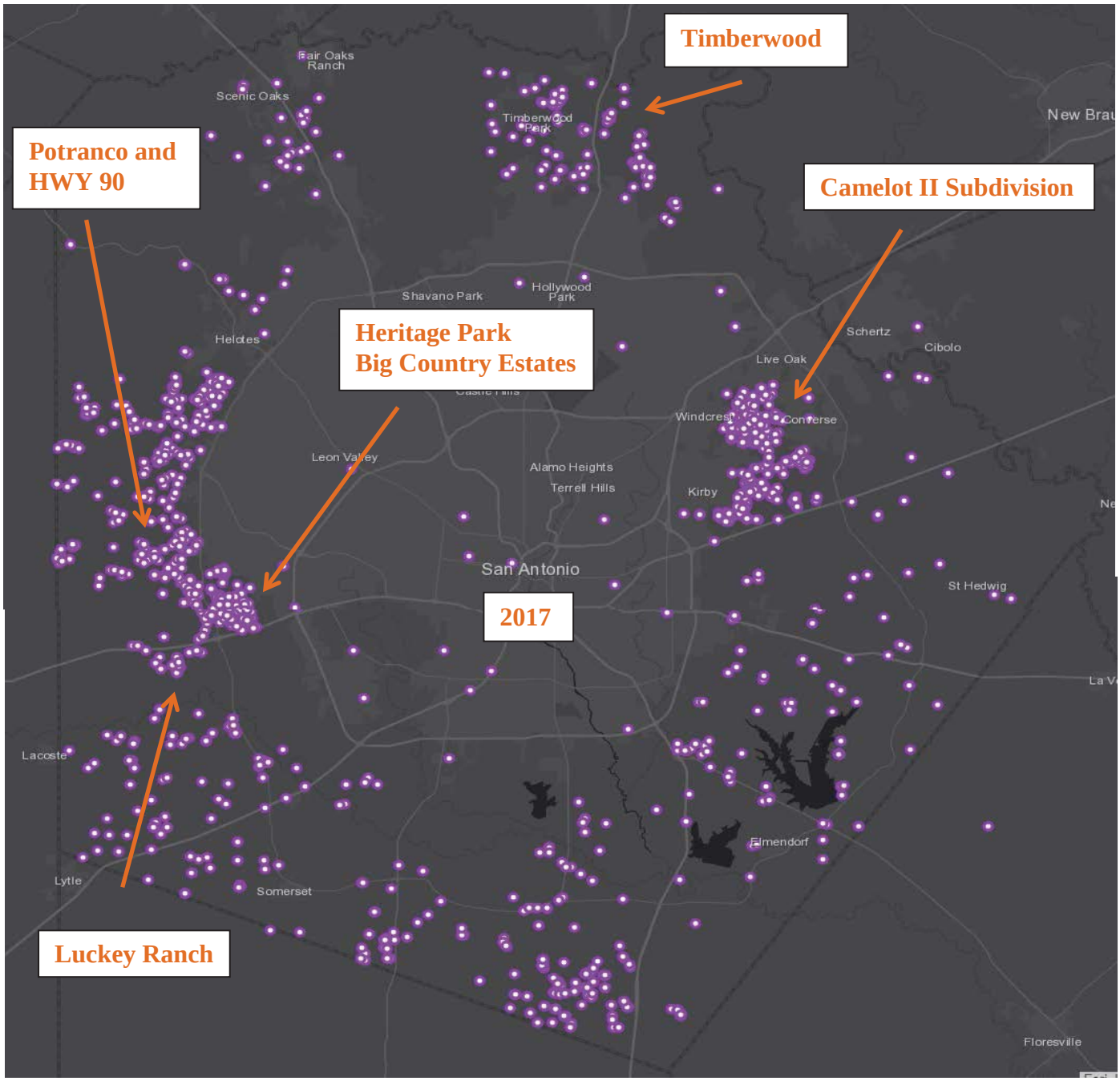
Animal Control "Hot Spot" Issues 2015
2352 Animals Collected



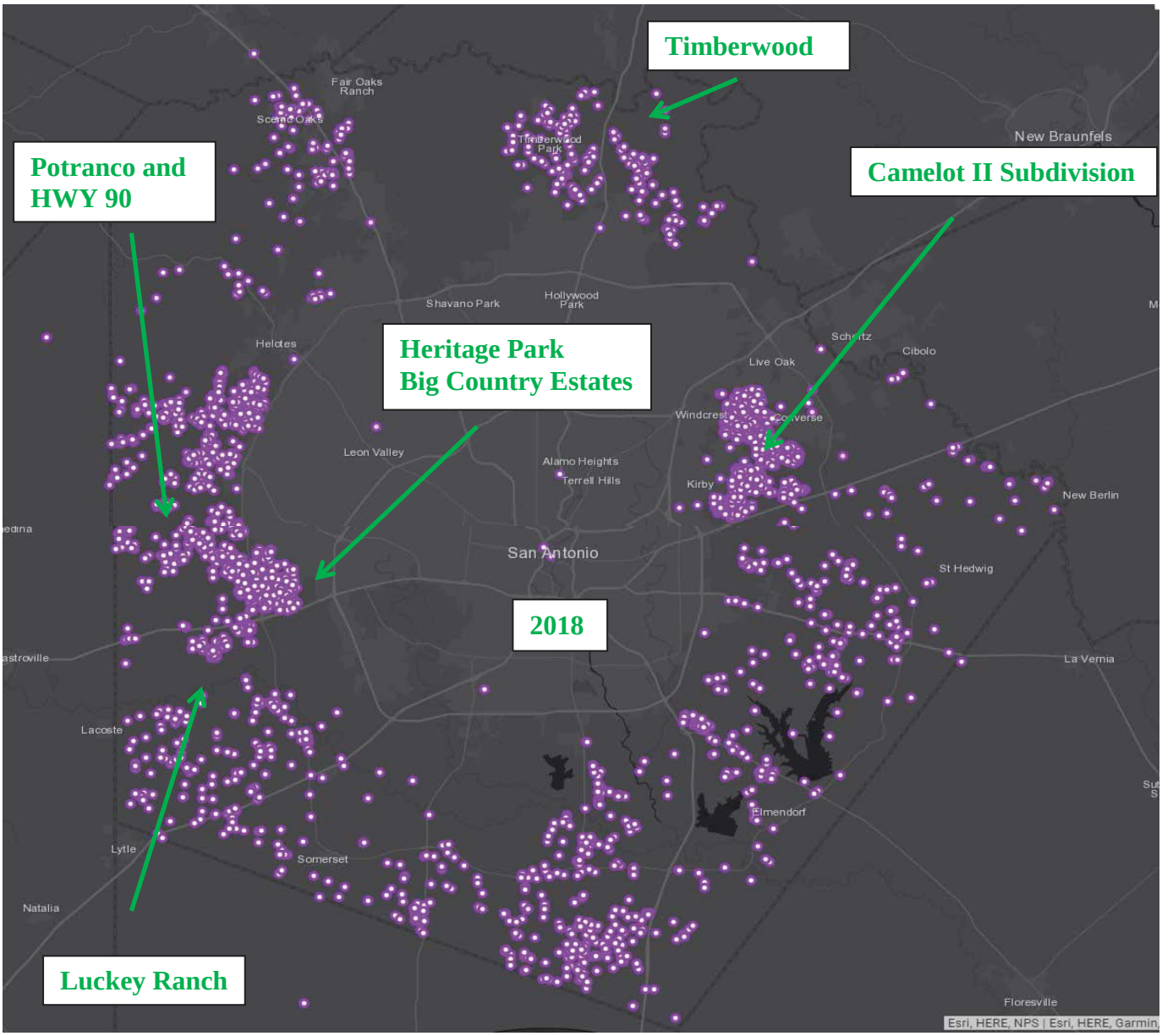
Animal Control "Hot Spot" Issues 2016
2304 Animals Collected



Animal Control "Hot Spot" Issues 2017
1537 Animals Collected



Animal Control "Hot Spot" Issues 2018
3045 Animals Collected



Animal "Hot Spot" Issues by Year

	Camelot II	Big Country Estates	Luckey Ranch	Timberwood Area	Potranco and HWY 90	County Total
2015	565	252	117	202	119	2352
2016	483	228	81	182	118	2304
2017	351	181	21	219	169	1537
2018	149	278	40	183	154	3045

D. Impaired Water Bodies

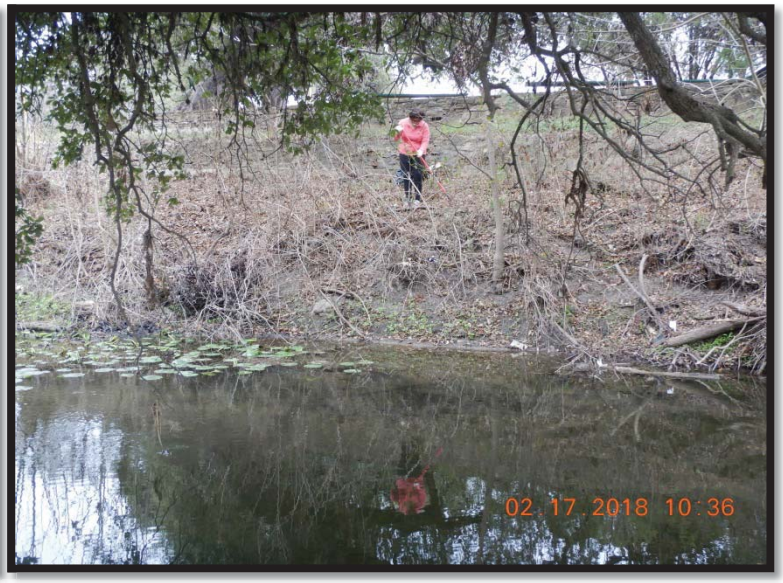
1. Segment 1902A Martinez Creek was added to the recently adopted 2016 Texas Integrated Report for bacteria in October of 2018.
2. In January, we conducted our annual aerial rivers survey. As sites are identified, sampling is done. No sites requiring sampling were identified during the flyover this year. This year while flying septic violations, illegal dumping, illegal fill, and other violations were found. This year, the water bodies appeared to be cleaner than last year. However, new violations are found every year.

   Below and on the next page, you will find various photos of our aerial rivers survey.

2018 Annual Helicopter Survey

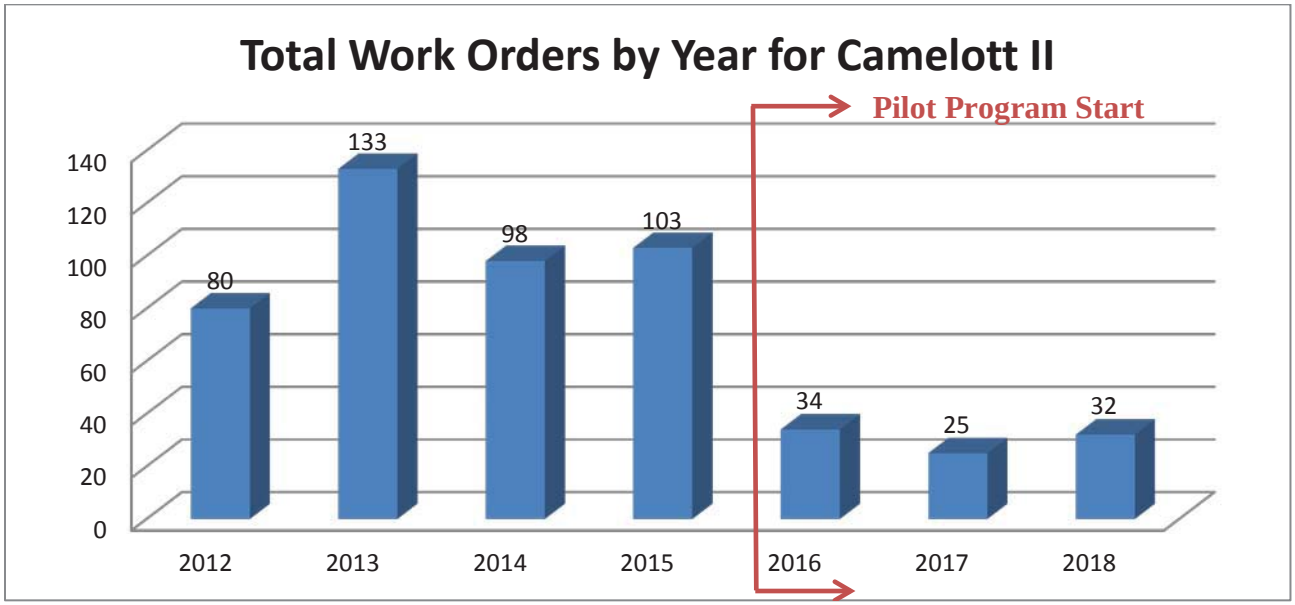
Every year, Bexar County participates in Basura Bash. Employees help clean stream banks with large amounts of trash dumped in order to help reduce bacteria and other pollutants from entering the MS4. Many of the streams being cleaned are impaired water bodies located either in Bexar County or are located in the City of San Antonio and will run into Bexar County. Below and on the next page you will find various photos of our Basura Bash Event.

BASURA BASH 2018



Also, Bexar County conducts many nuisance abatements along with litter pickup. 85 % of the nuisance abatements conducted this past permit year were in the Salado and Walzem creek watershed areas. These creeks have a TMDLs for bacteria. By reducing the amount of litter and trash being dumped in the area, we are able to help reduce the bacteria entering the MS4.

This past December was the 3 year anniversary of the Bexar County Pilot Trash Collection Program, in partnership with the City of San Antonio, in the Camelot II Subdivision. Currently, there is a state law that does not allow Bexar County to mandate trash collection in the unincorporated areas of counties. However, it was done through an agreement with the City of San Antonio. The area participating in the program is a small neighborhood of 600 residents. Only 43% were paying for trash collection. The area accounts for 1/3 of all code compliance complaints received by our office, mostly for junk, trash, and rubbish being left out. We saw this as a huge opportunity to reduce potential bacteria loads into the Salado and Walzem creek watershed areas. After the first year, we have seen a 66% decrease in violations in the area. After the second year we have seen an additional 26% decrease in issues. This past year we have found that it appears we have stabilized on issues and have remained close to around 30 violations for the year in the area. This is a stark contrast to years prior which had 133 violations and 103 violations.



3. Bexar County does have 3 stream segments with TMDLs. Three are for bacteria and one is for dissolved oxygen. Bexar County has a set list of BMPs directly targeting the bacteria and dissolved oxygen pollutants. In the associated table is a list of all the BMPs that are going to target the TMDL pollutants.

   All required benchmarks have been completed. Our GIS department has taken our data and created a map displaying all known locations of septic systems. Priority areas will be assessed for further investigation and enforcement. (See map at end of section) We do have some addresses that do not correlate with our GIS addresses, therefore, we will need to go through by hand and make any changes needed. However, we still have 90% of known septic systems mapped. We have also completed identifying significant animal sources in the county along with creating a pet waste regulation.

   We are visually inspecting drainage ways in Bexar County by helicopter. Since not all drainage areas and creeks are traversable on foot, a helicopter flight in the winter allows for a good view of the stream banks. We have found multiple areas of illegal dumping and filling in. This helicopter flight allows us to

monitor these sites better to ensure compliance. Attached to this report you will find a list of 5 sites along with a map, status and current picture of the site.

We also made repairs to a private concrete drainage easement that was failing and could have caused a large amount of erosion and a possible septic leak into the MS4. By making the necessary repair, we eliminated that issue along with any dissolved oxygen issues and bacteria issues.

Finally, we are currently taking steps to ensure that all benchmarks for all BMPs that are targeting specific pollutants for TMDLs are met by the deadline.

4. See Template

5. See attached TMDL BMP table for information

6. See attached TMDL BMP table for information

7. See attached TMDL BMP table for information

E. Stormwater Activities

1. See attached Stormwater Activities Table for information.

F. SWMP Modifications

1. No changes are being made at this time.

G. Additional BMPs

1. No additional BMPs are being considered at this time.

H. Additional Information

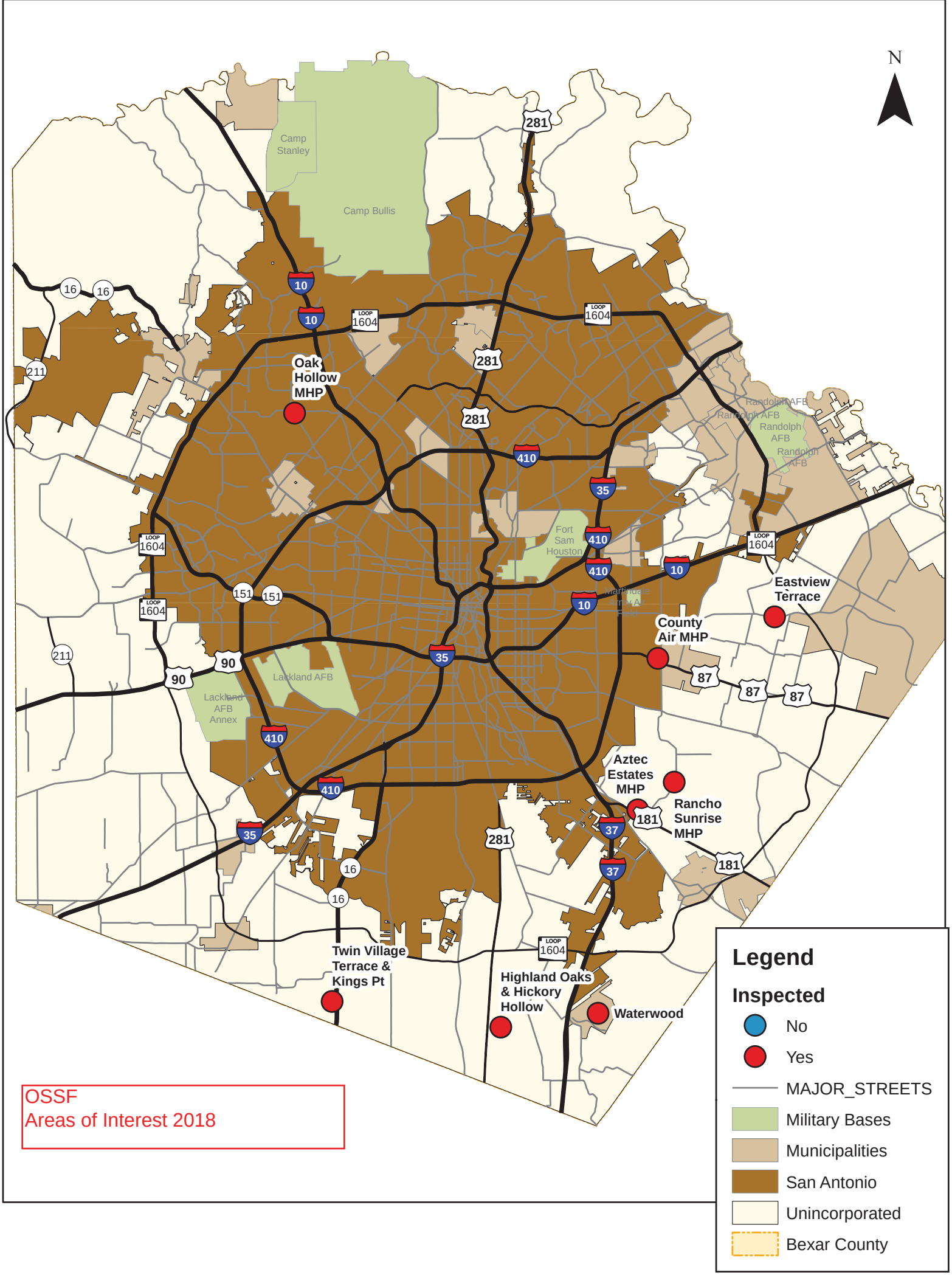
1. We are not relying on another entity to satisfy our permit. We do partner with other entities for site specific sampling and regional training.

2. Bexar County is not sharing a SWMP with other entities.

I. Construction Activities

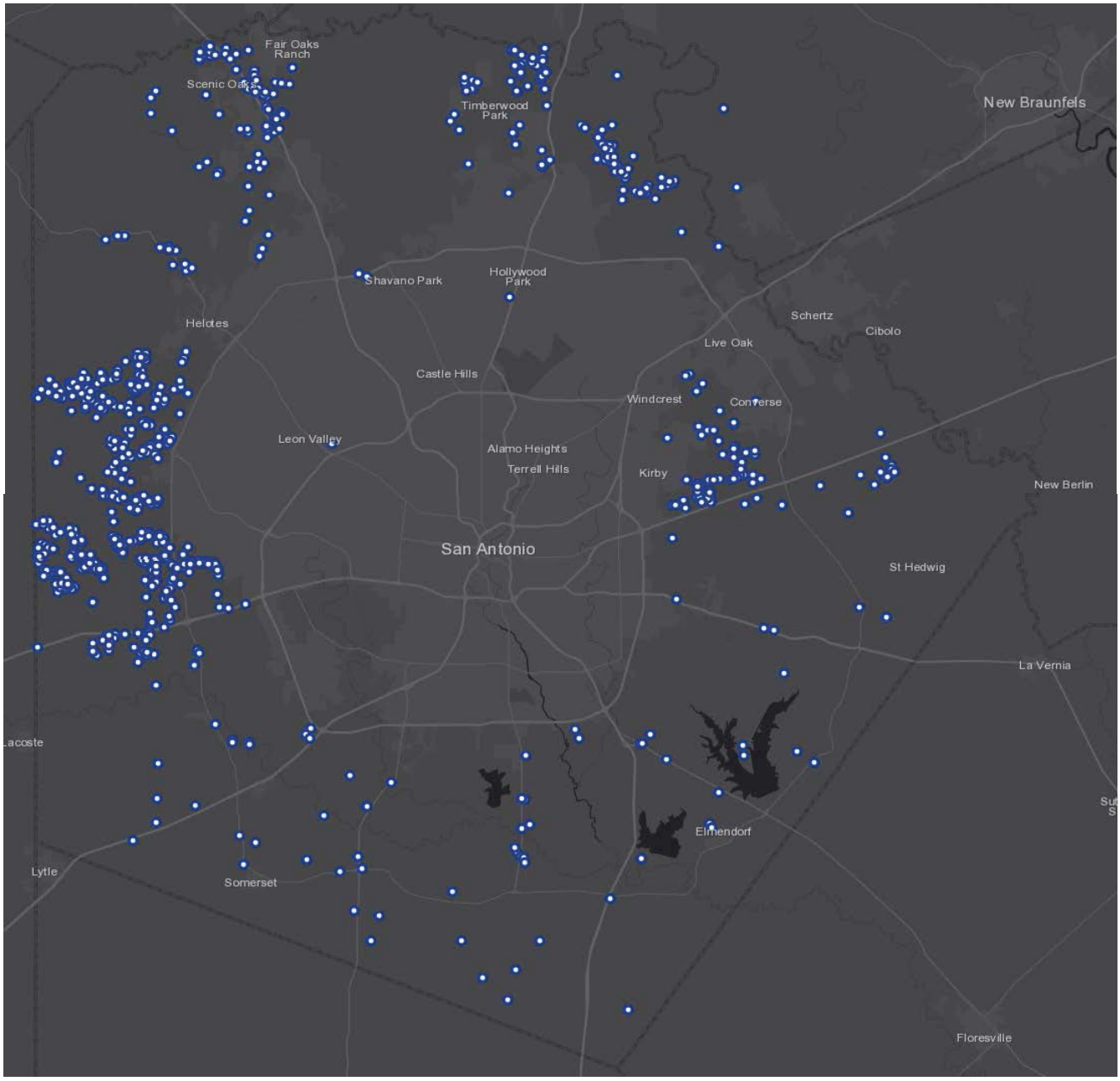
1. Bexar County had **802** active permit sites this last permit year.

2. Bexar County does **NOT** utilize the seventh MCM.

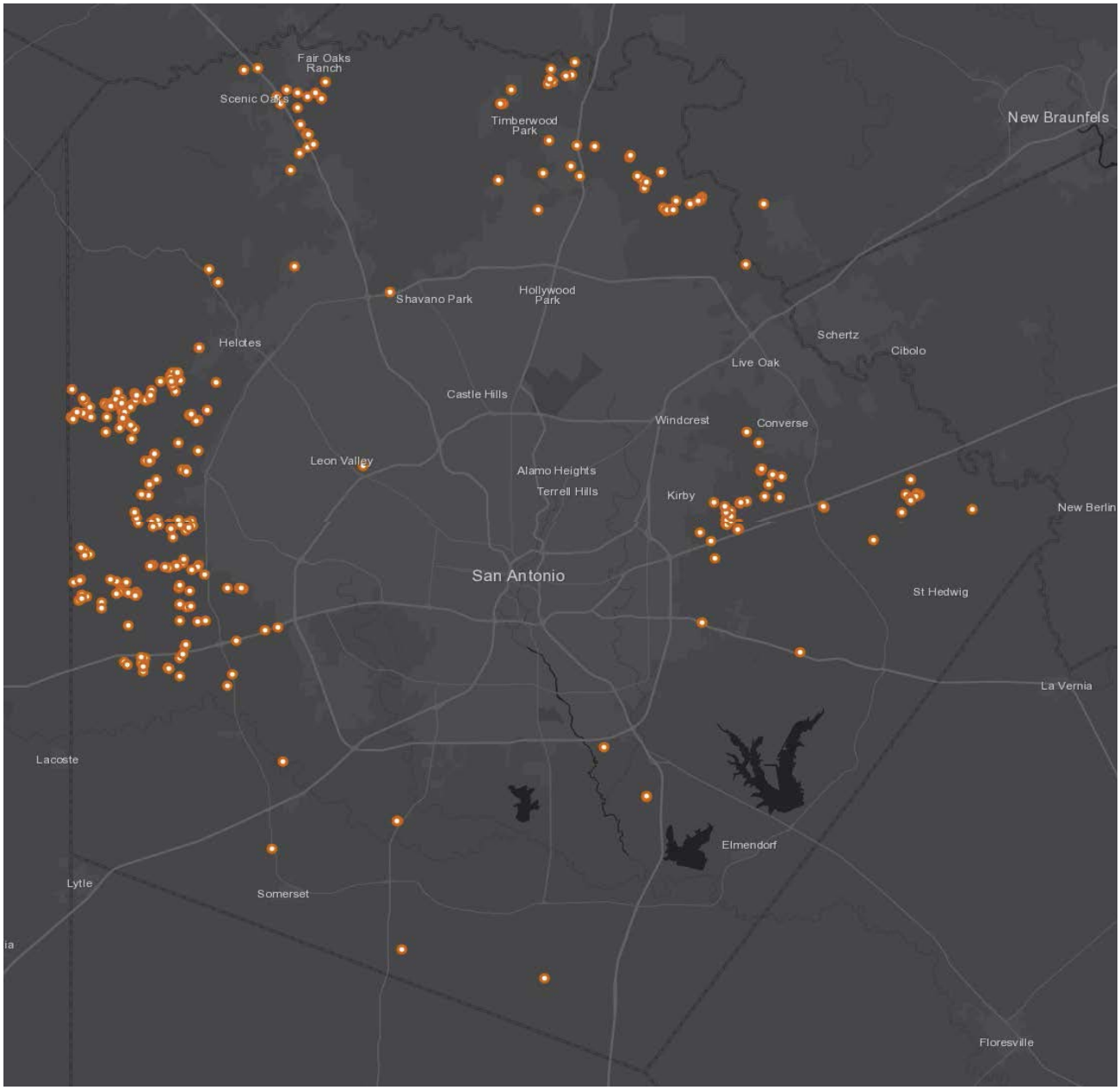


OSSF
Areas of Interest 2018

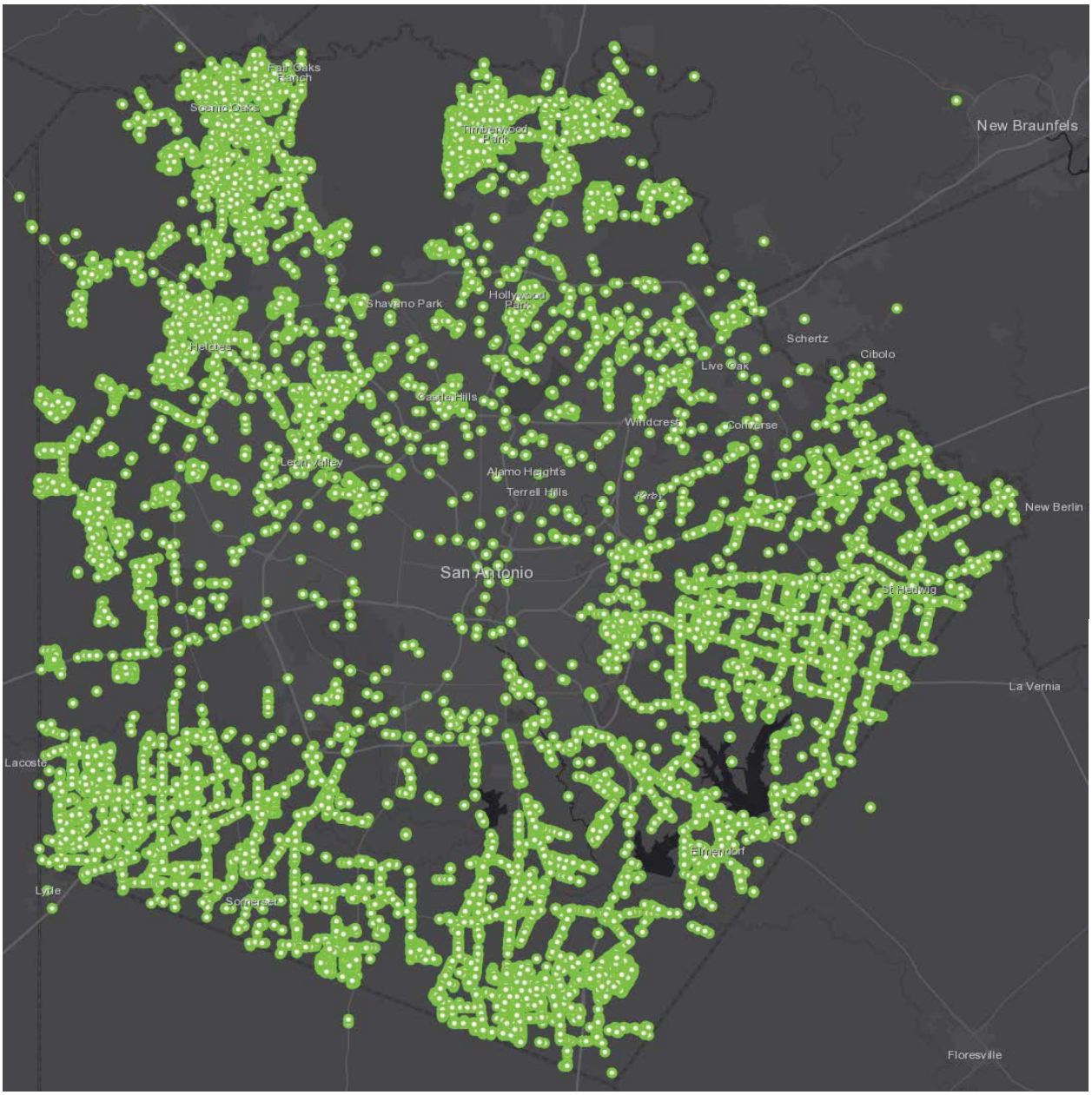
802 Active Storm Water Permitted Sites in 2018



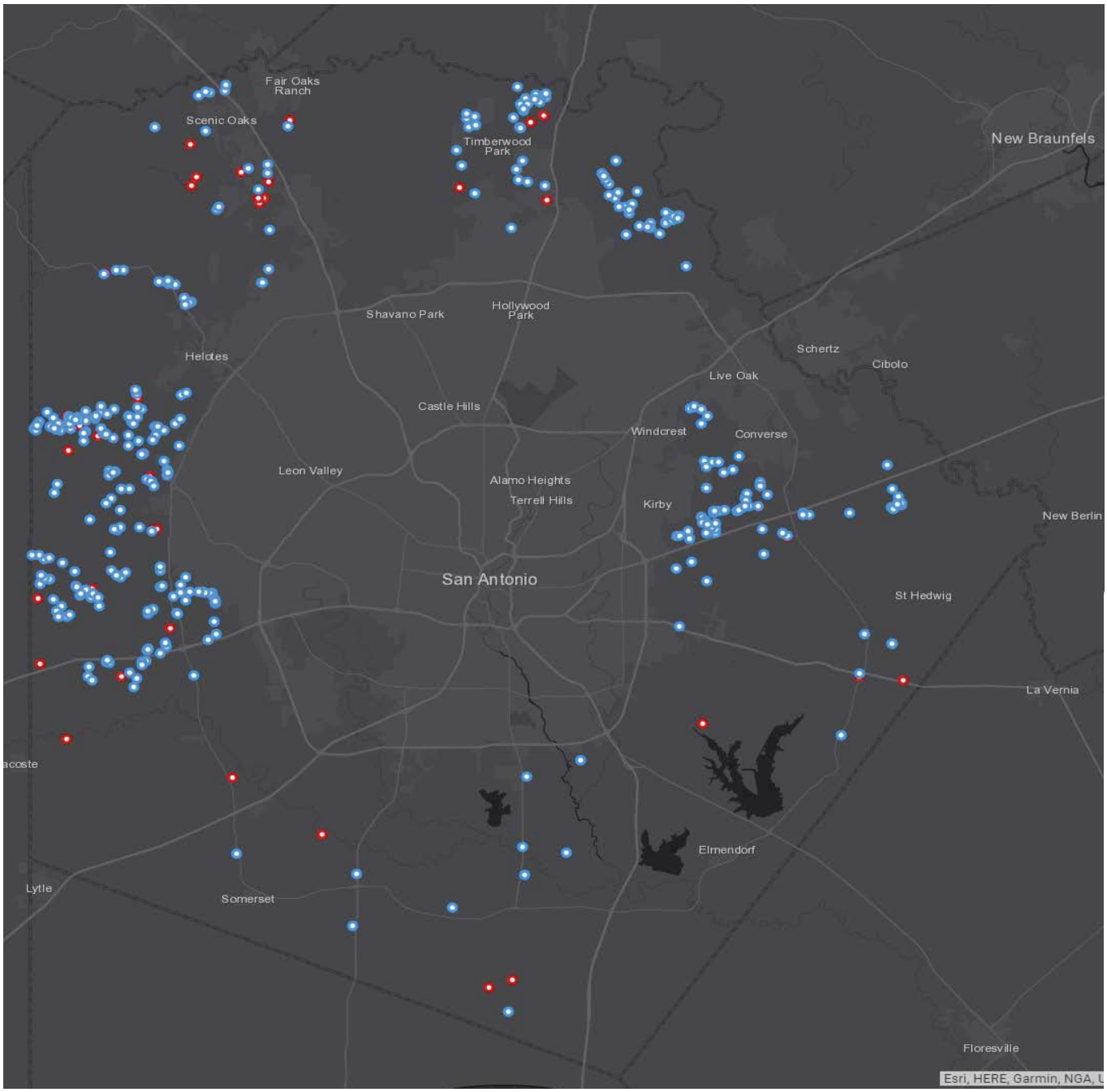
465 Active Post-Construction Permitted Sites in 2018



50,554 OSSF Permitted Sites in 2018



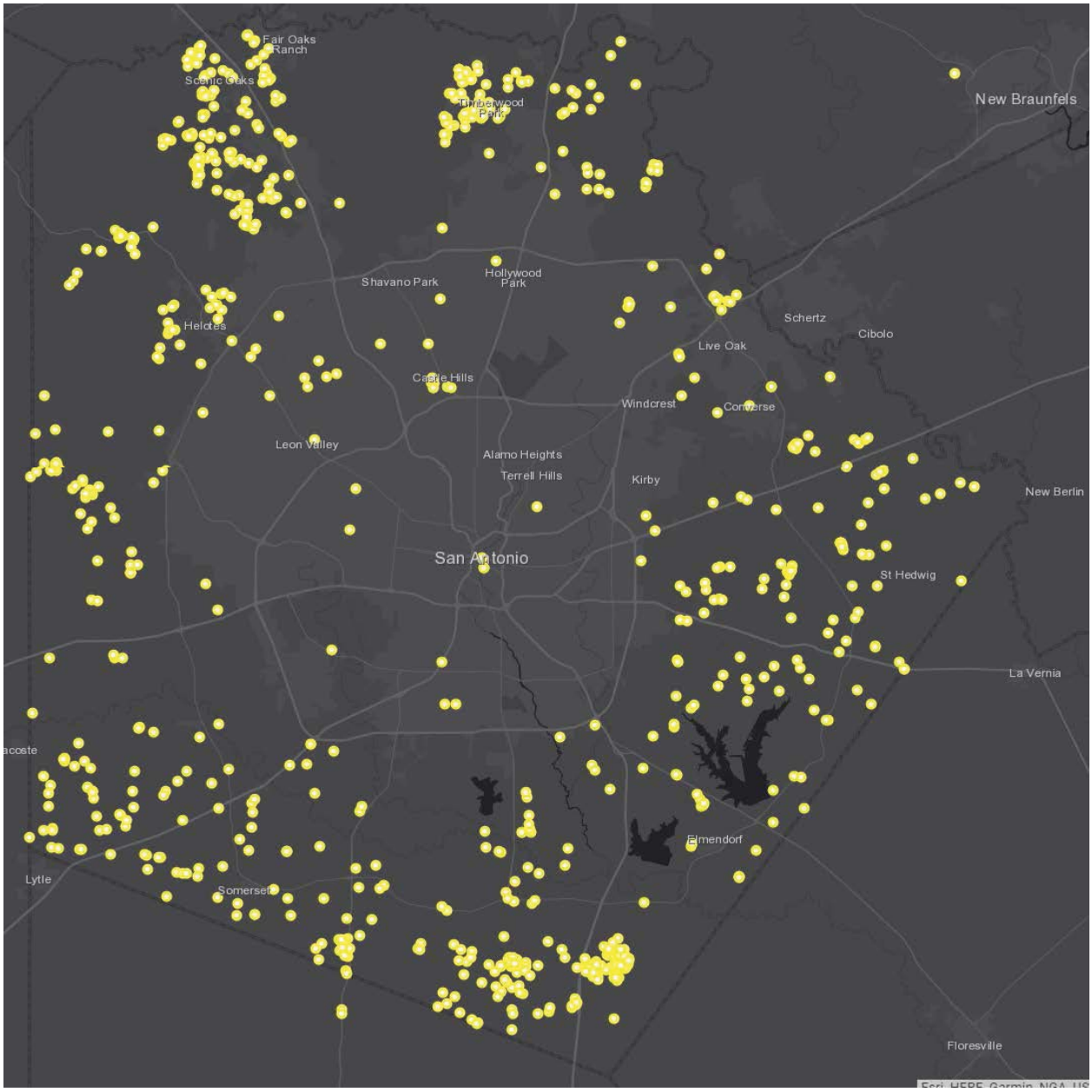
Total Inspections of Permitted Sites and Complaints



617 Storm Water Permitted Site Inspection – Blue

130 Complaint Inspections - Red

1651 Total Inspections Conducted for OSSF Permits in 2018



MCM 1

Public Education, Outreach, and Involvement

Table 3-1

BMP's for Public Education, Outreach, and Involvement

#	BMP	Activity	Measurable Goals	Completed By (Month and Year) or Frequency of Action
	EXISTING BMP's			
1	Watershed Signs	Maintain signs.	Inspect and maintain each sign.	One Time Per Year
2	Annual Stormwater Report to Commissioner's Court	Present report to Commissioner's Court if requested. Accept and respond to public comments.	Make annual SWMP presentation.	One Time Per Year if requested.
			Document and respond to public comments.	
3	Speaker's Bureau for Existing Community Groups	Submit proposals to present stormwater quality education materials at existing community groups.	Maintain log of proposals submitted each year.	Ongoing
		Give presentation to groups of residents.	Complete presentations.	Four Times Per Year minimum
4	Public Anti-Littering and Dumping Brochure	Review and update brochure.	Complete review and update of brochure.	December 2014.
		Distribute at County facilities with routine public access. Distribute at County and community events.	Print 1,000 brochures annually.	One Time Per Year
			Record number of brochures distributed.	
5	Onsite Sewage Facilities (OSSF) Brochure	Review and update brochure.	Complete review and update of brochure.	December 2014.
		Distribute at County facilities with routine public access, at community events, during OSSF permitting.	Print 1,000 brochures annually.	One Time Per Year
			Record number of brochures distributed.	
6	Construction Site Brochure	Review and update brochure.	Complete review and update of brochure.	December 2014.
		Distribute brochures to fire, utility, driveway, flood, platting, septic, and subdivision permit applicants, during appropriate site inspections, and to appropriate groups (Association of General Contractors, Greater San Antonio Builders Association, Associated	Print 1,000 brochures annually.	One Time Per Year
			Record number of brochures distributed.	
7	Educational Content on County Website	Post updated information.	Post updates.	Two Times Per Year
			Track visitors to website with web counter.	
8	Conduct Bexar County Neighborhood Clean-Ups	Organize and participate in neighborhood clean-up events.	On average, participate in six neighborhood clean-up events per year. Maintain list of events and their location.	Four events per calendar year.
		Notify Home Owner's Associations (HOA) or equivalent entity and have clean-up advertised in HOA newsletter.	Record notification date and estimated number of households notified.	Four times per calendar year.
		Provide personnel and equipment to pick up and dispose of non-hazardous waste materials.	Record estimated volume of litter removed.	Four times per calendar year.
9	Legal Public Notice	Provide public notice regarding specific county actions requiring notice (e.g., adoption of new regulations, etc.).	Record date and county action.	As Needed
10	Public Involvement in Stormwater Program Development	Notify the public regarding their opportunity for participation in stormwater program development by posting proposed stormwater BMP's and SWMP program elements on County website and at County courthouse. Provide mechanism for public to provide comments upon proposed elements and suggest additional recommendations.	Record date materials posted on website and at courthouse. Maintain copy of posted materials and received comments within County file.	May 1, 2014
		Evaluate public comments and incorporate suggestions into stormwater management plan.	Complete activity.	May 1, 2014
	NEW BMP's			
11	Identify Goals and Objectives of Public Education and Outreach Program	Considering impairment pollutants and likely sources define public education goals and objectives.	Complete activity and document in memorandum to file.	December 1, 2014
12	Identify Target Audiences for Public Education and Outreach Program	Considering impairment pollutants, likely sources, and entities that generate the pollutants define target audience.	Complete activity and document in memorandum to file.	December 1, 2014

#	BMP is appropriate for reducing the discharge of pollutants in storm water: YES OR NO	Explain.
	EXISTING BMP's	
1	NO	Have found no correlation between signs and increased awareness or change in behavior
2	NO	Commissioners generally do not request a presentation on annual report
3	YES	4 presentations were given to HOAs. We feel that through education, the community will become more willing to come into compliance. Also, they will be more aware of what to look for in the field and report any issues they see in the field.
4	YES	We have found that constiuents are more willing to come into compliance when they understand exactly what is they can and cannot do.
5	YES	We have found that constiuents are more willing to come into compliance when they understand exactly what is they can and cannot do.
6	YES	We have found contractors are more likely to stay in compliance when they know what that is.
7	YES	We will receive calls from the public if they could not find information on the website. This lets us know that the public is going on line and reading up on stormwater quality and that we need to update the website regularly.
8	YES	Held 5 community cleanup. It allows for the community to become more involded, ask questions, and helps stop any illegal dumping that may occur in our MS4.
9	YES	It allows for the community to become more involved and understanding of stormwater regulations.
10	YES	We posted the permit for the required time. We had 6 emailed requests for a copy of the permit to review. We also emailed a copy to a large local council who forwarded it to all members. We received 1 comment concerning the post construction rules and permitting process. We will incorporate that into the permit process (due by Dec. 2015)
	NEW BMP's	
11	YES	Have been participating in the Illegal dumping BRWM meetings. Are targeting the oil industry related dumping,
12	YES	Target audience will be those on the south side of the county near the oil boom.

#	Measurable goals Success?
	EXISTING BMP's
1	Goal Met
2	Goal met
3	Goal Met
4	Goal Met:4 presentations given.
5	Goal Met
6	Goal Met
7	Goal Met; information handed out at training/ HOA events
8	Goal Met
9	Goal Met
10	Goal Met; distributed via email or NOV letter.
11	Goal Met
12	Goal Met. Updated with new regulations
13	Goal Met; handed out in NOV letters and Permit Letters
14	Goal Met
15	Goal Met
16	Goal Met
17	Goal Met
18	Goal Met
19	Goal Met
20	Goal Met
21	Goal Met: Had 6 requests for electronic form of permit. Only 1 comment.
22	Goal Met
	NEW BMP's
23	Goal Met
24	Goal Met

MCM 2

Illicit Discharge Detection and Elimination

#	BMP's for Illicit Discharge Detection and Elimination				#	BMP is appropriate for reducing the discharge of pollutants in storm water			Measurable goals Success?
	BMP	Activity	Measurable Goals	Completed By (Month and Year) or Frequency of Action		YES OR NO	Explain.		
	EXISTING BMP's					Exsistng BMPs			Exsisting BMPs
13	Customer Service Phone Intake	Operate customer service phone line.	Track number of complaints received.	Ongoing	13	YES	Phone line allows for citizens to call in directly to staff in charge of water quality. We have had issues with the hot line recently. It seems our hotline number used to be a number for the jail. We had to change it last year to reduce the number of wrong number phone calls. The calls for the jail were overwhelming.	25	Goal Met
		Review record-keeping and follow-up procedures and modify if necessary.	Complete activity.	Annually				26	Goal Met
		Publicize existing phone line.	Record methods by which phone line advertised.	Ongoing				27	Goal Met: updated thorugh tax bill.
14	Onsite Sewage Facilities Inspections	Conduct inspections of new systems and existing systems as licenses are renewed.	Record number of inspections.	Ongoing	14	YES	Conducted 1651 inspections and 229 inspections for complaints of OSSF	28	Goal Met
		Inspect/investigate and mitigate complaints.	Maintain log of complaints, investigation results, and mitigation actions.	Ongoing				29	Goal Met
15	Litter Abatement	Perform litter abatement activities in public rights of way.	Maintain log of abatement activities.	Ongoing	15	YES	We have conducted 8 abatement this past year at a cost of $82,0449.90	30	Goal Met
16	Nuisance Abatement	Abate found nuisance conditions in public rights-of-way. Inspect known dumping areas monthly.	Maintain log of nuisance abatement activities including dates and locations.	Ongoing	16	YES	2695 lbs of trash was collected in the ROW	31	Goal Met
17	Storm Sewer Map	Update and maintain map.	Update map and document date of revisions.	Annually	17	YES	Keeping an up to date storm sewer map has allowed us to back track 3 discharges sucessfully	32	Goal exceeded: The storm sewer map is updated multiple times per year
18	Employee Training	Train field maintenance crew employees on illicit discharge program.	Complete and document activity. Maintain log of attendees.	Annually	18	YES	Approximately 150 employees trained	33	Goal Met
19	Illicit Discharge Regulation	Adopt regulations.	Complete and document activity.	Completed in August 2008	19	YES	Helped with enforcement of 25 discharge violations	34	Goal Met
20	Identify Illicit Discharge Locations	Conduct maintenance crew drive-by inspection of MS4 areas within the county.	Maintain a log of detected illicit discharges and follow-up actions.	Annually	20	YES	Had 25 discharge violations that were brought into compliance along with 35 failing septics that were fixed	35	Goal Met
		Inspect areas or discharges reported by the public.	Maintain a log of detected illicit discharges and follow-up actions.	Annually				36	Goal Met
21	Illicit Discharge Investigation, Elimination, and Enforcement	Investigate source of identified discharge.	Complete and document activity.	Within two weeks of finding discharge.	21	YES	Had 25 discharge violations. We work closely with SAWS on issues that can enter their MS4. Worked with SAWS once.	37	Goal Met
		Notify source facility or neighboring MS4 about discharge and the requirement to mitigate the discharge.	Complete and document activity.	Within two weeks of finding discharge.				38	Goal Met
		Initiate enforcement procedures against source facility if they fail to mitigate discharge.	Complete and document activity.	Within four weeks of notifying source facility.				39	Goal Met
22	OSSF Brochure	See Table 3-1 for description.	See Table 3-1 for description.	See Table 3-1 for description.	22		See MCM 1	40	See MCM 1
23	Internet Request for Service Form	Maintain request for service form website	Document service requests and County follow-up actions.	Ongoing.	23	YES	Had 49 storm water requests from YourGOV along with 174 environmental requests from YourGOV	41	Met Goal

MCM 3

Construction Stormwater Runoff Control

#	BMP's for Construction Site Stormwater Runoff Control			
	BMP	Activity	Measurable Goals	Completed By (Month and Year) or Frequency of Action
	EXISTING BMP's			
24	Customer Service Phone Intake	See Table 4-1.		
25	Internet Service Request Form	See Table 4-1.		
26	Driveway and Utility Site Inspections	Inspect construction sites the request a driveway or a utility permit.	Inspect 100% of sites with driveway or utility permits. Document results.	Ongoing.
27	Construction Inspection and Permitting Regulations	Adopt regulations.	Complete activity.	Completed August 8, 2008.
28	Prohibit Construction Related Discharges	Adopt regulations.	Complete activity.	Completed August 8, 2008.
29	Site Development Permit Application Review	Review Site Development Permit applications for compliance with Bexar County construction stormwater regulations.	Review Site Development Permit applications as they are received.	Provide comments or approval on submitted applications within two weeks of receipt.
30	Site Inspections and Enforcement	Conduct construction site inspections and enforcement.	Inspect 100% of active construction sites larger than 1 acre at least once. Maintain log of sites notifying Bexar County of discharge under TXR150000. Maintain log of sites inspected, dates, and findings. Record number of sites inspected.	Inspect while active.
31	Construction Site Brochure	See Table 3-1.		
32	Employee Training	See Table 4-1.		
	NEW BMP's			
33	Update Construction Inspection and Permitting Regulations	Ask Commissioners Court to add "stop work" authority to regulations.	Adopt updated regulation.	December 2015.

#	BMP is appropriate for reducing the discharge of pollutants in storm water	
	YES OR NO	Explain.
	EXISTING BMP's	
24		See MCM 2
25		See MCM 2
26	YES	100% of driveway permits are inspected
27	YES	Allows for the enforcement of TXR150000
28	YES	Allows for the enforcement of TXR150000
29	YES	With the San Antonio area being the fastest growing in the nation, we saw a 51% increase in permit submittals.
30	YES	We had another 8% decrease in total permit inspections. Part of the reason for the decrease in the number of inspections is the rapid increase in development in the San Antonio area. We issued 32 Field Correction Notices and 24 Stop Work Orders after multiple attempts to get sites into compliance. This delayed inspectors from being able to inspect other sites due to the amount of time having to be spent at one single site to gain complaince.
31		See MCM 1
32		See MCM 2
	NEW BMP's	
33	YES	Stop work order will allow for further enforcement for problem sites.

	Measurable goals Success?
	EXISTING BMP's
42	See MCM 2
43	See MCM 2
44	Goal Met
45	Goal Met: Court order/ regulation to be updated March 17, 2015
46	Goal Met: Court order/ regulation to be updated March 17, 2015
47	Goal met: Reveiwed 252 permits
48	Goal was not met. Only 617 of the 802 sites were inspected due to San Antonio being the fastest growing city this past year with an average of 66 new residents a day. Permit submittals doubled and with out hiring another inspector, we did our best to keep up with the quick growth in the area.
49	See MCM 1
50	See MCM 2
	NEW BMP's
51	Goal Met: Court Order approved at Commissioner's Court on March 17, 2015

MCM 4

Post - Construction Stormwater Management in New Development and Redevelopment

#	BMP's for Post-Construction Runoff Control				#	BMP is appropriate for reducing the discharge of pollutants in storm water			Measurable goals Success?
	BMP	Activity	Measurable Goals	Completed By (Month and Year) or Frequency of Action		YES OR NO	Explain.		
	EXISTING BMP's					EXISTING BMP's			EXISTING BMP's
34	Post-Construction Regulation and Criteria Manual	Adopt post construction stormwater management regulations and reference City of San Antonio's Unified Development Code, Chapter 35, Section 35-5-4.	Complete activity.	Adopted August 2008.	34	YES	Allows for regulation of what is installed and when it should be installed.	52	Goal Met
	NEW BMP'S					NEW BMP's			NEW BMP's
35	Adopt Permanent Stormwater Quality BMP Regulations	Adopt new regulations that require permanent stormwater quality BMPs in new development and significant redevelopment performed by third parties.	Complete activity.	December 1, 2015	35	YES	Will allow for the creation of a post construction permitting process and enforcement	53	Goal Met: New Court Order was approved on March 17, 2015
36	Plan Review and Approval Procedures for Permanent Stormwater Quality BMP's	Develop Stormwater Quality Permit application with Inspection, Operations, and Maintenance Plan, and annual renewal process.	Complete activity.	June 1, 2016	36	YES	We have 214 new permits this year with a total of 465 since inception. Of the total 465, only 301 require maintenance. We have a renewal process in place. Due to limited funding and lack of inspectors, only initial inspections of the PBMPs have been completed.	54	Goal Met: Application, operations and maintence manual have been created and implemented
		Train staff.	Complete activity.	September 1, 2016				55	Goal Met: Staff is trained
		Implement Stormwater Quality Permit process and review submitted applications. Enforce regulations as appropriate.	Review 100% of submitted applications. Maintain log of applications reviewed and status. Document enforcement actions	Initiate by June 2016				56	Goal Met: Permitting started on April 1, 2016
				Review applications on an ongoing basis. Enforce on an ongoing basis.				57	Goal Met
37	Inspections and Long-Term O&M of Permanent Stormwater Quality BMP for Third Party Owner/Operators	Create annual renewal process for Stormwater Quality Permit.	Complete activity.	June 1, 2016	37	YES	Service Center staff have been trained on BMPs that are owned by the County. Storm Water Inspector Staff have been trained and Certified through the San Antonio River Authority (SARA) on a majority of the various types of permanent BMPs. This should help with spotting and repairing issues related to PBMPs.	58	Goal Met: Annual renewal process has been established.
		Train staff.	Complete activity.	September 1, 2016				59	Goal Met: Service Center Staff have been trained on permanent County owned BMPs. Storm Water staff have been trained on all types of permanent BMPs and are Certified by the San Antonio River Authority (SARA)
		Implement annual renewal process for Stormwater Quality Permit. Enforce regulations as appropriate.	Review 100% of submitted renewal applications. Maintain log of renewal applications reviewed and status.	Initiate by June 2016				60	Goal Met
				Review applications on an ongoing basis. Enforce on an ongoing basis.				61	Goal Met
38	Inspections and Long-Term O&M of Permanent Stormwater Quality BMPs for County-Owned Facilities	Develop standard operating procedure and inventory of county-owned permanent water quality BMPs.	Complete activity.	June 1, 2015	38	YES	A thrid party conducts quarterly inspections and maintenance of the 17 basins owned by the County ensuring compliance over the Aquifer. Service Center staff have been trained on what to look for and how to maintain various permanent structures that are County owned.	62	Goal Met: All county owned BMPs inventoried
		Train staff.	Complete activity.	September 1, 2015				63	Goal Met: Thrid Party company conducts inspections on post-construction BMPs in field. Trained approximately 150 employees on PBMP operation and maintenance.
		Implement inspection program.	Document inspection findings.	Initiate by December 2015				64	Goal Met: Thrid Party (Clean Earth) is contracted to conduction insepctions and maintenance of all county owned post construction BMPs. We are conducting inspections at County Owned facilites.
				Conduct annual inspections in future years.				65	

MCM 5

Pollution Prevention/ Good Housekeeping for Municipal Operation

#	BMP's for Pollution Prevention/Good Housekeeping				#	BMP is appropriate for reducing the discharge of pollutants in storm water			Measurable goals Success?
	BMP	Activity	Measurable Goals	Completed By (Month and Year) or Frequency of Action		YES OR NO	Explain.		
	EXISTING BMP's					EXISTING BMP's			EXISTING BMP's
39	Pesticide/Herbicide Management	Maintain appropriate licenses and certifications of pesticide application staff.	Maintain list of employees and licenses.	Annually	39	YES	Allows to makes sure all 8 employees stay up to date on licenses.	66	Goal met
40	Spill Response Kits	Maintain spill response kits at County facilities that conduct activities with the potential to contribute pollutants to stormwater.	Conduct annual audit. Maintain audit log and correct deficiencies.	Annually	40	YES	Supplies purchased annually for all County facilites in jurisdiction.	67	Goal Met
41	Spill Response and Safety Employee Training	Conduct training of employees at County facilities that conduct activities with the potential to contribute pollutants to stormwater.	Train once per year. Maintain log of attendees.	Annually	41	YES	4 training opportunities annually to approximately 150 employees.	68	Goal Met
42	Employee Training (O&M Positions)	Create training program for employees working in operations or maintenance jobs.	Complete training program development.	December 1, 2015	42	YES	Have trained 150 employees. It is very important because of the high turnonver due to the oil field.	69	Goal Met
		Conduct and document annual employee training.	Train once per year. Maintain log of attendees.	Annually				70	Goal Met
43	County Owned Facilities and Controls Inventory	Develop inventory of County owned facilities and stormwater controls.	Develop initial inventory.	December 1, 2015	43	YES	Inventory created in conjunction with the pollution prevention plans nad inspections. Storm Water Controls a those facilities are accounted for.	71	Goal Met
		Update inventory.	Complete inventory update.	Annually				72	Goal Met
	NEW BMP's					NEW BMP's			NEW BMP's
44	Disposal of Waste Material	Dispose of waste materials in accordance with 30 TAC Chapters 330 or 335 as applicable.	For each disposal activity document the type of waste, the amount of the waste, the date, the transporter, and the destination.	Within one week of each disposal activity.	44	YES	We had 1028 lbs of trash were collected and hauled to the landfill.	73	Goal Met
45	Maintenance Contractor Requirements and Oversight	Develop new standard contract language.	Complete development of new standard contract language that includes appropriate reference to standard operating procedures (SOPs) and stormwater plans.	December 2016.	45	N/A	Contract Language has been added.CIP inspectors have been trained to perform storm water inspections at site and also look over sites to ensure the appropriate documenation is being conducted.	74	Goal Met
		Contractually require service providers to comply with all control measures and operational procedures.	Include standard contract language and SOPs in all new contracts.	Utilize new language in all contracts awarded after December 2016.				75	Goal Met
		Provide adequate oversight of contractor activities.	Document oversight date, activity, and person.	Within one week of each activity performed by a contractor.				76	Goal Met
46	Assessment of County Facilities and Operations	Evaluate operations and maintenance activities at County owned facilities and conducted in the County.	Document results in written report.	December 1, 2015	46	YES	The assessment will allow for each facility to better control the water quality coming off site	77	Goal Met
47	Identify Pollutants of Concern at County Facilities	Identify pollutants of concern at County facilities.	Document results in written report.	December 1, 2015	47	YES	Pollutants of conern for each facility will enable the County to better control the quality of runoff off site.	78	Goal Met
48	Develop Pollution Prevention Measures for County Facilities	Develop written pollution prevention plan for each County owned facility.	Complete Pollution Prevention Plan.	December 1, 2015	48	YES	All facilities have a pollution prevention plan created for them	79	Goal Met
49	Inspect County Facilities	Develop written inspection procedure and check list.	Compete activity.	December 1, 2015	49	YES	Insepctions are attached to pollution prevention plan. Inspections will be quarterly by service center superintendants.	80	Goal Met
		Implement inspections.	Document inspections.	At frequency defined in Facility Pollution Prevention Plans.				81	Goal Met
50	Maintain Structural Controls and County Owned Facilities	Conduct required maintenance activities of structural controls.	Document activity.	At frequency defined in Facility Pollution Prevention Plans.	50	YES	Third party contractor conducts quarterly inspections and maintence for county owned structural controls.	82	Goal met

Impaired Water Bodies

Table 8-2 – Approved TMDLs in Bexar County		
Segment No.	Name	Pollutant
1910A	Martinez Creek	Bacteria
1911	Upper San Antonio River (Salado Creek)	Bacteria
1910A	Upper San Antonio River (Waters Creek)	Bacteria
1911	Upper San Antonio River	Bacteria
1911	Upper San Antonio River (Salado Creek)	Dissolved Oxygen

BACTERIA

Table 8-3 – Focused BMPs Addressing Bacteria TMDLs

BMP	Activity	Measurable Goals	Completed By (Month and Year) or Frequency of Action	Benchmark	Benchmark Achieved? / How Effective	YRS Conducted	Benchmark Indicator	Description/ Comments
Make Sanitary Sewer Improvements	NOT APPLICABLE (NA)	NA	NA	NA				
Address Onsite Sewage Facilities	Prepare map of septic systems, sanitary sewer systems, tracts of land, developed land (land use), and identify priority areas.	Complete map.	Dec-15	Complete map on time.	Currently have an up to date GIS map of septic systems and sanitary sewer systems. Have identified tracts of land and priority areas.	Benchmark Met (4 yr)	increase in number of found failing systems, increase in number of systems coming into compliance, increase in number of systems inspected	We would expect to see an increase in failing systems since we will be looking for them. Also, we would want to see an increase in those failing systems coming into compliance and no longer be failing. With that we expect to see an increase in insepctions of those systems to ensure they do come into compliance. An increase in all of these areas will tell us that more issues are being found and dealt with and thus eliminating those pollutants from entering the MS4.
	Conduct study of map and conduct drive by inspections of priority areas.	Identify priority areas in impaired watersheds with development and no sanitary sewer system for inspection. Inspect priority areas. Summarize inspection findings.	Identify priority areas by June 2016. Inspect 33% of priority areas each year by December 2016, December 2017, and December 2018.	Complete identification of priority areas on time.	By conducting driveby inspections of priority areas and enforcing maintenance of failed systems (35 this year) should help to reduce the amount of bacteria running off into the MS4.	Benchmark Met (3 yr)		
				Complete inspections on time.		Benchmark Met (1yr)		
	Encourage owners and operators to address failing systems. Enforce on owners and operators that fail to mitigate failing systems.	Encourage system repairs. Enforce on owners as necessary. Summarize encouragement activities and enforcement activities.	Document communications to owners as they occur. Document enforcement actions as they occur.	Communicate or enforce on identified failing septic systems within three months of identification.	Bexar County has established a renewal permit that requires septic owner to maintain septic systems. Aerobic systems are required to have current maintanance contracts. This encourages owners to maintain their systems in working order to help reduce the number of failing systems and ultimately reducing the amount of bacteria introduced into the MS4.	Benchmark Met (4 yr).		
Illicit Discharge Detection and Elimination	Visually inspect all creeks and drainage ways in impaired watersheds with approved TMDLs.	Document inspection findings.	Complete by December 2015.	Complete and document findings on time.	We are currently inspecting all creeks, including those with TMDLs, by helicopter (see narrative).	Benchmark Met (4 yr)	increase in number of discharges and illicit connections found, increase in number of reported discharges from public, increase in cleanups	We would expect to see an increase in the number dishcarges and connections found by our staff along with an increase being reported to the office. Through educating the public, the hope is they will see what the issue is and report it when they see it. Then we would have an increase in insepctions and potentially enforcement when we bring those dishcarges and connections into compliance. Any increase seen would show that issues are being found and dealt with. Finally we would expect to see an increase in cleanups. As we find more issues, they will be dealt with and cleaned thus reducing the pollutants entering the MS4
	Investigate and eliminate found discharges.	Document actions taken regarding found discharges.	Complete by December 2015.	Complete and document findings on time.	38 discharge violations were found this past permit year. Each discharge was recorded along with actions taken.	Benchmark Met (4 yr)		
	Take enforcement actions as needed.	Document enforcement actions.	Complete by December 2015.	Complete and document findings on time.	Each vioaltor is sent a Notice of Violation. If the site does not come into compliance than the vioaltor is taken to court.	Benchmark Met (4 yr)		
	Clean up dumping sites.	Document findings and clean up actions.	Complete by December 2015.	Complete and document findings on time.	Bexar County conducted 1 nuisance abatement this year. By reducing the amount of trash on ground near or in the MS4 will reduce the amount of bacteria in the MS4 (Please note that due to lack of qualified contractors more abatements could not be conducted.)	Benchmark Met (4 yr)		
Identify and Address Significant Animal Sources	Identify and map significant animal source facilities in impaired watershed with approved bacteria TMDLs.	Complete map and inventory.	Dec-15	Complete activity on time.	After investigating and checking for TXR02O000 permits, we have found no significant animal source facilities in th eimpaired watersheds with approved bacteria TMDLs. We will continue to monitor each year to ensure we know of any new facilities	Benchmark Met (4 yr)	increase in education, increase in reporting, increase in compliance without enforcement	We would expect to see an increase in the amount of educational materials handed out and along with that an increase in compliance without enforcement (i.e. voluntary). We feel that by educating the community, they will better understand the issues and be willing to comply with them.
	Evaluate animal source facilities and existing legal authority.	Document findings.	Dec-16	Complete activity on time.	There are no animal source facilities in the County. Due to this, no new regulations are expected at this time. We will revisit this annually.	Benchmark Met (3 yr)		
	Adopt new regulations (if required).	Adopt regulations (if needed).	Dec-16	Complete activity on time.	Due to a lack of facilities to regulate, no regulations are expected at this time. We will revisit this annually to ensure compliance.	Benchmark Met (3 yr)		
	Seek voluntary actions to reduce bacteria loads. Document actions and results.	Complete and document activities.	Dec-17	Complete activity on time.	Bexar County continues to monitor for significant animal sources in order to monitor and ensure compliance.	Benchmark Met (2 yr)		
	Take enforcement action to compel load reductions.	Complete and document activities.	Dec-18	Complete activity on time.	As of the end of the permit cycle, there are no CAFO permited within Bexar County's Jurisdiction	Benchmark Met (1yr)		
Residential Education About Bacteria Loadings	Include information about reducing bacteria loads from residential activities including pet waste management in public education program goals and objectives.	See Section 3.3.1	See Section 3.3.1	Complete activity on time.	Are currently updating brochures to refect bateria load issuese and how the public can help reduce the loading. We have found that a lot of people in Bexar County do care about water quality, mainly due to the aquifer. We have found that by simply informing the public, they become more willing to comply and sometimes even go beyond. Education is always a good way to reduce pollutants.	Benchmark Met (4 yr)	increase in bacteria related complaints, increase in information handed out	We would expect to see an increase in complaints releated to bacteria since the handouts/ brochures would target issues reated to that pollutant. The hope is the public will recognize those issues and report them to us so that they can be brought into compliance or dealt with accordingly to reduce the amount of bacteria entering the MS4
Pet Waste Management Regulation	Develop and adopt a pet waste management regulation	Complete activity.	Dec-15	Complete activity on time.	Benchmark Met. The animal control court order was updated in December and approved in January. It directly calls out violations concerning animal waste. By indiscriminate animal waste not only by citation, but by collecting stray animals off the street, will help reduce bacteria loads in the MS4.	Benchmark Met (4 yr)	increase in stray animals collected, increase is public reporting	As our animal control department matures (only 3 yr old), we expect that more stray animals will be collected off the street and the pet waste from stray animals wondering through the drainage areas will decrease. Also, we hope that as the public learns the new court order rules and is educated about pet waste, they will report more pet waste issues so that we can have those issues brought into compliance and thus helping to reduce bacteria in the MS4. We collected 2763 animals this past year.
	Adopt regulation.	Complete activity.	Dec-16	Complete activity on time.	Benchmark Met. The animal control court order was updated in December 2014 and approved in January 2015. It directly calls out violations concerning animal waste.	Benchmark Met (4 yr)		

Disolved Oxygen

Table 8-4 – Targeted BMPs Addressing Dissolved Oxygen TMDL

BMP	Activity	Measurable Goals	Completed By (Month and Year) or Frequency of Action	Benchmark	Benchmark Achieved? and How Effective	YRS Conducted	Benchmark Indicator	Description/ Comments
Education on Landscape Maintenance and Pet Waste	See Section 3.3.1.	See Section 3.3.1	See Section 3.3.1.	Complete actively on time.	Are currently updating brochures to reflect education on landscape maintenance and pet waste. The pet waste brochure will be through the animal control department. The landscape maintenance was coordinated with the post construction BMP program which started April 1,2016. We feel that it makes the most sense to introduce the landscape maintenance at a time when maintenance will be required. Through education of proper landscape maintenace and pet waste collection, we feel that the community will help in the reduction of pollutants in the MS4.	Benchmark Met (3 yr)	increase in public reporting of pet waste, increase in stray animal pickup, increase in public reporting of landscape issues	We have seen an increase in PBMPs being reported since the post consstruction permit started on April 1, 2016. We would also expect to see an increase in report of pet waste issues as the public becomes more aware of the court order regualtions on pet waste. Finally, we expect to see an increase in stray animal pick up. An increase in stary animal pick up would reduce the amount of animal waste in drainage areas. We collected 2763 animals this past year.
Address Onsite Sewage Facilities	See Section 8.2.3.2.	See Section 8.2.3.2.	See Section 8.2.3.2.	Complete actively on time.	Have created a GIS layer/ map of all septic systems, sanitary sewer lines and priority land tracts. We currently have a map with septic systems and sanitary sewer lines. We have put together the land tract priority to add to the map. We will then go through and show which septic systems are failing. By mapping these locations, it will enable us to target certain areas with inspections and abatements to help ensure a reuddcion in pollutants introduced to the MS4	Benchmark Met (4 yr)	increase in number of found failing systems, increase in number of systems coming into compliance, increase in number of systems inspected	We would expect to see an increase in failing systems since we will be looking for them. Also, we would want to see an increase in those failing systems coming into compliance and no longer be failing. With that we expect to see an increase in insepctions of those systems to ensure they do come into compliance. An increase in all of these areas will tell us that more issues are being found and dealt with and thus eliminating those pollutants from entering the MS4.
Illicit Discharge Detection Program	See Sections 4.2.2 and 4.2.3.	See Sections 4.2.2 and 4.2.3.	See Sections 4.2.2 and 4.2.3.	Complete actively on time.	All new septic systems, reported failing systems, renewal permits of systems are inspected. These inspections ensure that septic systems are installed appropriately and will be working correctly. We then have a 5 year renewal in which all systems must be pumped or maintenance contracts shown to ensure the system is working correctly through perpetuity. Also, our service center collects litter on Bexar County ROW as it is found. Thorugh these actions, Bexar County is able to reduce the amount of pollutant loads entering the MS4.	Benchmark Met. (5 yr)	increase in number of inspections for septic systems, increase in clean ups (litter abatement), increase in reporting of these issues	We would expect to see an increase in failing systems since we will be looking for them. Also, we would want to see an increase in those failing systems coming into compliance and no longer be failing. With that we expect to see an increase in insepctions. We would also expect to see an increase in clean ups thus helping to reuduce the amounts of pollutants entering the MS4

Section E. Stormwater (Part IV Section B.2(d))

MCM(s)	BMP	Stormwater Activity	Description/Comment
#3	Update Construction Inspection and Permitting Regulations	Ask Commissioners Court to add "stop work" authority to regulations.	Court Order updated on March 17, 2015. See attached.
#4	Adopt Permanent Stormwater Quality BMP Regulations	Adopt new regulations that require permanent stormwater quality BMPs in new development and significant redevelopment performed by third parties.	Reulations were adopted on March 17, 2015 with a Commissioner approved Court Order
#4	Plan Review and Approval Procedures for Permanent Stormwater Quality BMP's	Develop Stormwater Quality Permit application with Inspection, Operations, and Maintenance Plan, and annual renewal process.	Completed on April 1, 2016. Program initiated on April 1, 2016. See attached
		Train staff.	Completed. All staff trained on PBMPs and certified by San Antonio River Authority Certification Class.
		Implement Stormwater Quality Permit process and review submitted applications. Enforce regulations as appropriate.	Program initiated on April 1, 2016. 465 permits received since program was started.
#4	Inspections and Long-Term O&M of Permanent Stormwater Quality BMP for Third Party Owner/Operators	Create annual renewal process for Stormwater Quality Permit.	Annual renewal is part of permiting process which began on April 1, 2016
		Train staff.	Completed. All staff trained on PBMPs and certified by San Antonio River Authority Certification Class.
		Implement annual renewal process for Stormwater Quality Permit. Enforce regulations as appropriate.	Renewal has been implemented; however, the program is not over a year old, therefore, no renewals have been recorded at this time.
#4	Post-Construction Regulation and Criteria Manual	Develop manual outlining Post Construction Permanent BMP's requirements to be included in new and re-development scopes.	Completed and implemented on April 1, 2016. See attached.
#4	Inspections and Long-Term O&M of Permanent Stormwater Quality BMPs for County-Owned Facilities	Develop standard operating procedure and inventory of county-owned permanent water quality BMPs.	Staff have been trained and county owned facilities are inpsected for PBMP performance and maintenance.
		Train Staff.	Completed. Staff have been trained.
		Document and Inspection Program	Annual inspections of County Owned facilities are conducted.
#5	Disposal of Waste Material	Dispose of waste materials in accordance with 30 TAC Chapters 330 or 335 as applicable.	For each disposal activity document the type of waste, the amount of the waste, the date, the transporter, and the destination.
#5	Maintenance Contractor Requirements and Oversight	Complete development of new standard contract language that includes appropriate reference to standard operating procedures (SOPs) and stormwater plans.	Utilize new language in all contracts awarded after December 2016.
		Contractually require service providers to comply with all control measures and operational procedures. Provide adequate oversight of contractor activities.	Within one week of each activity performed by a contractor.
#5	Assessment of County Facilities and Operations	Evaluate operations and maintenance activities at County owned facilities and conducted in the County.	Completed. Reports for county facilities were given to supervisors for assessment.
#5	Identify Pollutants of Concern at County Facilities	Identify pollutants of concern at County facilities.	Pollutants of concern are recorded in the SWPPP for each facility.
#5	Develop Pollution Prevention Measures for County Facilities	Develop written pollution prevention plan for each County owned facility.	Completed. SWPPPs have been created for all County owned facilities.
#5	Inspect County Facilities	Develop written inspection procedure and check list.	Completed. Inspections are apart of the facilities SWPPP.
		Implement inspections.	Supervisors of the facilities are conducting quarterly inspections of the facility and are checking for pollutants of concern.
#5	Maintain Structural Controls and County Owned Facilities	Conduct required maintenance activities of structural controls.	Completed. Documentation of activities is done in accordance with the SWPPP.

2018 Illegal Dumping Cases

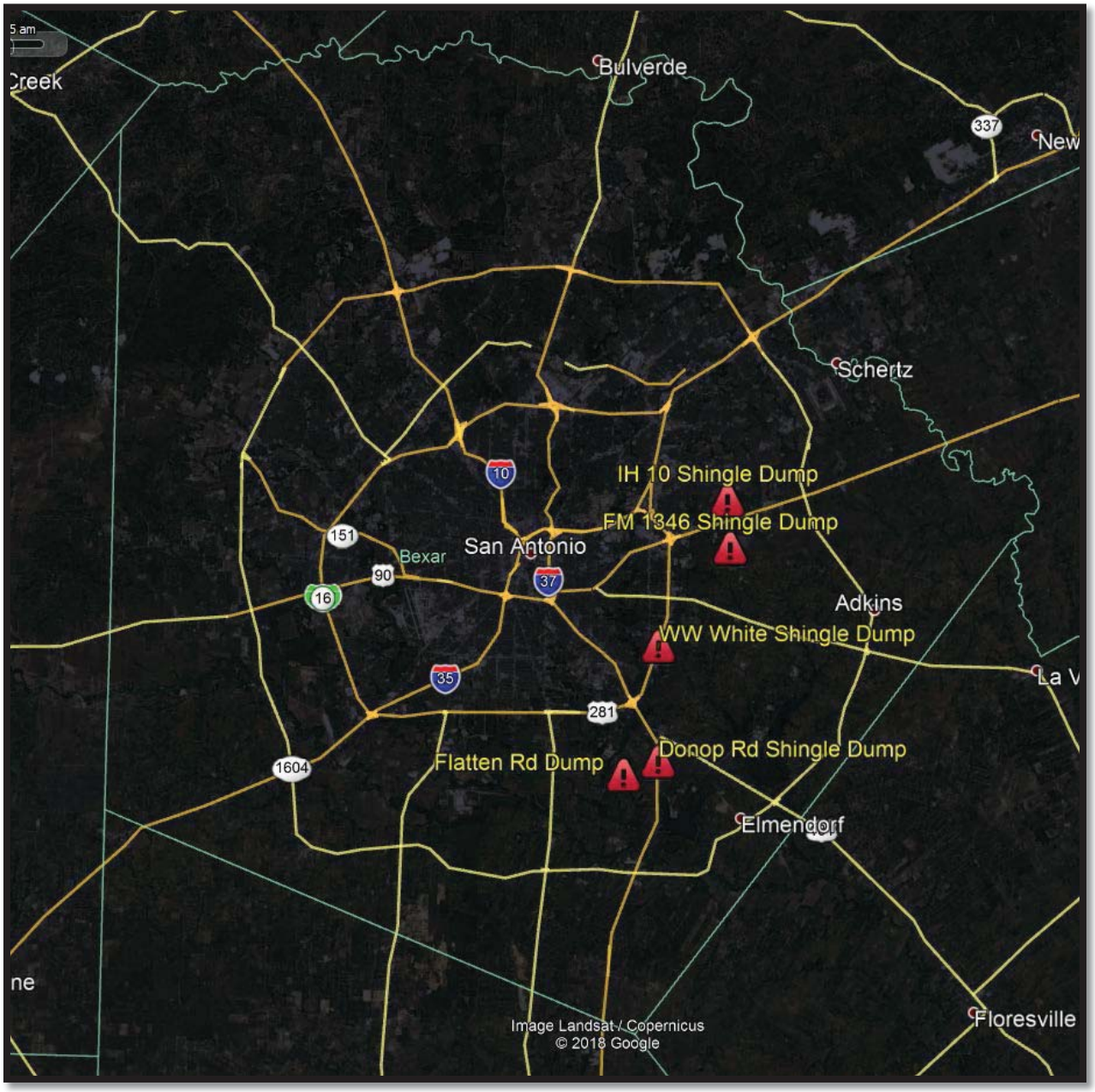
Site #1: FM 1346

Site #2: 14348 Donop

Site #3: 7144 IH 10

Site #4: Flatten Rd

Site #5: WW White



SITE #1

Location: FM 1346
Issue: Shingle Dump
Status: Site has been shut down. Operators have been prosecuted and are currently on probation. Investigation was coordinated with TCEQ. Bexar County is considering two options: County paid abatement or forcing owner abatement.

SITE #2

Location: 14348 Donop Rd
Issue: Chemical Recycling of Shingles
Status: Under TCEQ investigation. Owner claims the recycling is based in Louisiana and that the shingles will be shipped to Louisiana in the future. The site is being monitored.

SITE #3

Location: 7144 IH 10
Issue: Shingle Dump
Status: The entire site has been remediated. The current photo shows the site in the middle of remediation

SITE #4

Location: Flatten Rd
Issue: Shingle Dump
Status: Currently under investigation

SITE #5

Location: WW WHITE Rd
Issue: Shingle Dump
Status: Preparing a plan of action for a criminal investigation

Water Quality General Permits and Registration Search

*** There were no permits found that match the search criteria provided. ***

For help, see Related Links, Additional Resources, and Contact Information.

The following search criteria was entered:

- Permit Type: Concentrated Animal Feeding Operation (TXG92)
- Application Status: APPROVED
- County: BEXAR

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Explanation of Column Headings

SegID and Name: The unique identifier (SegID), segment name, and location of the water body. Items may be one of three types of numbers for SegID. The first type is a classified segment number (4 digits, e.g. 0218), as defined in the Texas Surface Water Quality Standards. The second type is an unclassified water body (e.g. 0218A), not defined in the Standards and associated with a classified water body because it is in the same watershed. The third type includes special Segments for Oyster Water Use (e.g. 2421OW) and Beach Watch Use (e.g. 2481CB) special areas. The segment name and description follow SegID.

Parameter(s): Pollutants or water quality conditions that assessment procedures indicate do not meet assigned water quality standards.

Category: One of three subcategories assigned to each impaired parameter to provide information about water quality status and management activities on that water body. The categories are defined below:

Category 5: The water body does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants.

Category 5a - TMDLs are underway, scheduled, or will be scheduled for one or more parameters.

Category 5b - A review of the standards for one or more parameters will be conducted before a management strategy is selected, including the possible revision to the TSWQS.

Category 5c - Additional data or information will be collected and/or evaluated for one or more parameters before a management strategy is selected.

SegID:	Segment Name	Impairment Description	Category
0202E	Post Oak Creek	bacteria (Recreation Use)	5c
0202L	Honey Grove Creek	bacteria (Recreation Use)	5c
0214F	Unnamed tributary of Buffalo Creek	bacteria (Recreation Use)	5c
0215	Diversion Lake	chloride	5c
0215	Diversion Lake	sulfate	5c
0228	Mackenzie Reservoir	sulfate	5c
0304C	Wagner Creek	bacteria (Recreation Use)	5c
0403	Lake O' the Pines	pH	5c
0404A	Ellison Creek Reservoir	dioxin in edible tissue	5a
0405	Lake Cypress Springs	excessive algal growth	5c
0405A	Big Cypress Creek	bacteria (Recreation Use)	5c
0409A	Lilly Creek	bacteria (Recreation Use)	5c
0505	Sabine River Above Toledo Bend Reservoir	bacteria (Recreation Use)	5c

SegID:	Segment Name	Impairment Description	Category
0512	Lake Fork Reservoir	pH	5c
0801C	Cotton Bayou	depressed dissolved oxygen	5c
0802	Trinity River Below Lake Livingston	dioxin in edible tissue	5a
0802	Trinity River Below Lake Livingston	PCBs in edible tissue	5a
0803	Lake Livingston	dioxin in edible tissue	5a
0803	Lake Livingston	PCBs in edible tissue	5a
0806B	Echo Lake	dieldrin in edible tissue	5a
0806B	Echo Lake	dioxin in edible tissue	5a
0812	West Fork Trinity River Above Bridgeport Reservoir	bacteria (Recreation Use)	5c
0815	Bardwell Reservoir	sulfate	5c
0820C	Muddy Creek	copper in water	5c
0822	Elm Fork Trinity River Below Lewisville Lake	sulfate	5c
0824	Elm Fork Trinity River Above Ray Roberts Lake	bacteria (Recreation Use)	5c
0827A	White Rock Creek above White Rock Lake	bacteria (Recreation Use)	5c
0829A	Lake Como	dioxin in edible tissue	5a
0831	Clear Fork Trinity River Below Lake Weatherford	bacteria (Recreation Use)	5c
0841A	Mountain Creek Lake	dioxin in edible tissue	5a
0841Q	North Fork Fish Creek	bacteria (Recreation Use)	5c
1002	Lake Houston	pH	5c
1007W	Harris County Flood Control Ditch D 138	bacteria (Recreation Use)	5c
1008I	Walnut Creek	bacteria (Recreation Use)	5c
1008J	Brushy Creek	bacteria (Recreation Use)	5c
1010C	Spring Branch	bacteria (Recreation Use)	5c
1014C	Horsepen Creek	bacteria (Recreation Use)	5c
1103A	Bensons Bayou	depressed dissolved oxygen	5b

SegID:	Segment Name	Impairment Description	Category
1209I	Gibbons Creek	depressed dissolved oxygen	5c
1217B	Sulphur Creek	bacteria (Recreation Use)	5c
1227	Nolan River	chloride	5c
1232	Clear Fork Brazos River	pH	5c
1232A	California Creek	impaired fish community	5c
1238	Salt Fork Brazos River	chloride	5c
1238	Salt Fork Brazos River	total dissolved solids	5c
1240	White River Lake	excessive algal growth	5c
1240	White River Lake	sulfate	5b
1252	Lake Limestone	pH	5c
1302D	Peach Creek	bacteria (Recreation Use)	5c
1811	Comal River	bacteria (Recreation Use)	5c
1901F	Ecleto Creek	depressed dissolved oxygen	5c
1902A	Martinez Creek	bacteria (Recreation Use)	5c
2117	Frio River Above Choke Canyon Reservoir	chloride	5c
2117	Frio River Above Choke Canyon Reservoir	total dissolved solids	5c
2204	Petronila Creek Above Tidal	bacteria (Recreation Use)	5c
2312	Red Bluff Reservoir	chloride	5c
2312	Red Bluff Reservoir	sulfate	5c
2412	Sabine Lake	bacteria (Recreation Use)	5c
2425	Clear Lake	copper in water	5c
2433OW	Bastrop Bay/Oyster Lake (Oyster Waters)	bacteria (oyster waters)	5c
2453D	Lavaca Bay Ship Channel Area	copper in water	5c
2454	Cox Bay	copper in water	5c
2482	Nueces Bay	copper in water	5c

SegID:	Segment Name	Impairment Description	Category
2484	Corpus Christi Inner Harbor	copper in water	5c
2485OW	Oso Bay (Oyster Waters)	bacteria (oyster waters)	5a

2018 Bexar County Storm Water and Environmental Services Information

Storm Water Quality Permitted Sites	
Total Active Sites	802
Total New Sites (2018)	252
Total Inspections	617

Post Construction Permitted Sites	
Total Active Sites	465
Total New Sites (2018)	214
Total Inpsections	85

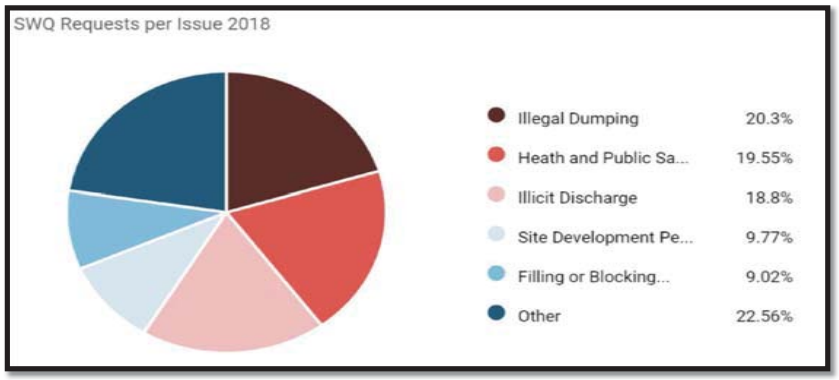
Enforcement Information	
Total Field Correction Notices	32
Total Stop Work Orders	24
Total Court Cases Filed	144
Total Abatements	9
Total Abatement Cost	$820,450
Warning Citations Issued	10

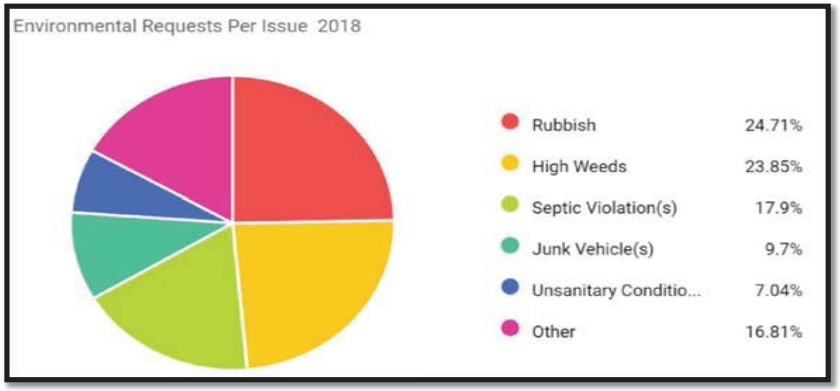
Service Center Information	
Dead Animals Removed	1138
Trash/ Debris (lbs) collected	2695
Acres Mowed	3889
Number of Drains Repaired	49
Number of Drains Cleaned	133
Neighborhood Trash Pick Up	5

Work Orders	
Total Requests	1406
Total Inspections	1574

On Site Septic Facilities Permits	
Total Permits	50554
Total New Permits (2018)	1212
Total Inspections	1651

Work Order Breakdown	
Storm Water	
Environmental Law Enforcement	1
Filling or Blocking Drainage	12
Flooding Review	5
Flooding Permit	5
Health and Public Safety	26
Illegal Dumping	27
Illegal Fill	9
Illicit Discharge	25
Minor Storm Water	2
Site Development Permit	13
SWPPP Review	5
Subtotal	130
Environmental	
Animal Droppings	3
Dilapidated Structure	17
Environmental Law Enforcement	21
Garbage	31
Health and Public Safety	15
High Weeds	305
Illegal Dumping	26
Junk Vehicles	124
Lighting Ordinance	2
Minor Storm Water	12
Rubbish	316
Septic Violations	229
Trash	78
Trash/ Debris Removal	1
Unsanitary Conditions	90
Vector Control	6
Subtotal	1276
TOTAL	**1406**





2018 Basin Inspections

Task ID	Entry Date	Asset	Activity	Status	Notes	Total Cost
299504	11/21/2018 11:16	Storm Basin BULVERDE RD BASIN B	Basin Inspection	Completed	All vegetation was removed from the sand. All sediment in the inlet has been removed. The sand is starting to become stained. Next schedule cleaning is for January 2019.	349
135111	7/27/2018 10:37	Storm Basin BULVERDE RD BASIN B	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for September 2018.	359
127195	5/22/2018 9:15	Storm Basin BULVERDE RD BASIN B	Basin Inspection	Completed	Error	0
127191	5/22/2018 9:00	Storm Basin BULVERDE RD BASIN B	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for July 2018.	349
119955	3/22/2018 10:44	Storm Basin BULVERDE RD BASIN B	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for May 2018.	349
113623	1/17/2018 13:59	Storm Basin BULVERDE RD BASIN B	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for March 2018.	349
113621	1/17/2018 13:56	Storm Basin BULVERDE RD BASIN B	Basin Inspection	Completed	Duplicate / see Task # 113623.	0
299505	11/21/2018 11:21	Storm Basin BULVERDE RD BASIN C	Basin Inspection	Completed	The sand has become very dark. Clean earth will continue to monitor the draw down time. All vegetation has been removed from the sand. All sediment has been removed from the inlet structure. Next schedule cleaning is for January 2019.	349
126679	5/16/2018 15:21	Storm Basin BULVERDE RD BASIN C	Basin Inspection	Completed	Basin looks to be working fine. Next scheduled cleaning is for July 2018.	349
119959	3/22/2018 10:59	Storm Basin BULVERDE RD BASIN C	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for May 2018.	349
113616	1/17/2018 13:51	Storm Basin BULVERDE RD BASIN C	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for March 2018.	349
299507	11/21/2018 11:26	Storm Basin BULVERDE RD BASIN D	Basin Inspection	Completed	Sand is becoming very dark. CES will continue to monitor the draw down time of this basin. Next scheduled cleaning is for January 2019.	349
135110	7/27/2018 10:30	Storm Basin BULVERDE RD BASIN D	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for September 2018	349
126686	5/16/2018 15:28	Storm Basin BULVERDE RD BASIN D	Basin Inspection	Completed	Basin seems to be working fine. Next scheduled cleaning is for July 2018.	349
119960	3/22/2018 11:03	Storm Basin BULVERDE RD BASIN D	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for May 2018.	349
113602	1/17/2018 13:30	Storm Basin BULVERDE RD BASIN D	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for March 2018.	349
300938	12/4/2018 10:32	Storm Basin EVANS RD NB	Basin Inspection	Completed	Con-Tech Vortech seems to be functioning properly. Currently there is 12 inches of sediment present in the swirl chamber. The next scheduled maintenance is for May 2019.	895
129922	6/14/2018 8:34	Storm Basin EVANS RD NB	Basin Inspection	Completed	Con-Tech Vortech seems to be functioning properly. Currently there is 2 inches of sediment present in the swirl chamber. The next scheduled maintenance is for November 2018.	895
300943	12/4/2018 10:43	Storm Basin EVANS RD SB	Basin Inspection	Completed	Con-Tech Vortech seems to be functioning properly. Currently there is 2 inches of sediment present in the swirl chamber. The next scheduled maintenance is for May 2019.	0
129923	6/14/2018 8:38	Storm Basin EVANS RD SB	Basin Inspection	Completed	Con-Tech Vortech seems to be functioning properly. Currently there is 2 inches of sediment present in the swirl chamber. The next scheduled maintenance is for November 2018.	895
300814	12/3/2018 14:32	Storm Basin WILDERNESS OAK #1	Basin Inspection	Completed	The sand bed has developed a small sediment build up. This is causing the basin to stay wet for extended periods of time. Next schedule cleaning is for January 2019.	349
291106	10/3/2018 13:13	Storm Basin WILDERNESS OAK #1	Basin Inspection	Completed	Basin looks to be working fine. The sand was not raked due to recent rains. Next schedule cleaning is for November 2018.	349
135116	7/27/2018 10:57	Storm Basin WILDERNESS OAK #1	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for September 2018.	349
127176	5/22/2018 8:31	Storm Basin WILDERNESS OAK #1	Basin Inspection	Completed	Basin looks to be working fine. Next schedule cleaning is for July 2018.	349
119938	3/22/2018 10:05	Storm Basin WILDERNESS OAK #1	Basin Inspection	Completed	Basin looks to be working fine. Next scheduled cleaning is for May 2018.	349
113640	1/17/2018 14:20	Storm Basin WILDERNESS OAK #1	Basin Inspection	Completed	Basin looks to be working fine. Next scheduled cleaning is for March 2018.	349
299501	11/21/2018 10:56	Storm Basin WILDERNESS OAK #2	Basin Inspection	Completed	The sand is becoming very dark. Basin looks to be working fine. Next schedule cleaning is for January 2019.	349
291118	10/3/2018 13:29	Storm Basin WILDERNESS OAK #2	Basin Inspection	Completed	The sand is becoming very dark. Basin looks to be working fine. the sand was not raked due to recent rains. Next schedule cleaning is for November 2018.	349
135118	7/27/2018 11:01	Storm Basin WILDERNESS OAK #2	Basin Inspection	Completed	The sand is becoming very dark. Basin looks to be working fine. Next schedule cleaning is for September 2018.	349
127183	5/22/2018 8:46	Storm Basin WILDERNESS OAK #2	Basin Inspection	Completed	The sand is becoming very dark. Basin looks to be working fine. Next schedule cleaning is for July 2018.	349
119941	3/22/2018 10:10	Storm Basin WILDERNESS OAK #2	Basin Inspection	Completed	The sand is becoming very dark. Basin looks to be working fine. Next schedule cleaning is for May 2018.	349
113647	1/17/2018 14:32	Storm Basin WILDERNESS OAK #2	Basin Inspection	Completed	The sand is becoming very dark. Basin looks to be working fine. Next schedule cleaning is for March 2018.	349
299502	11/21/2018 11:01	Storm Basin WILDERNESS OAK #3	Basin Inspection	Completed	Basin looks to be working fine. The rip rap around the inlet has become full of sediment. This will need to be replaced. Next schedule cleaning is for January 2019.	349
291139	10/3/2018 14:24	Storm Basin WILDERNESS OAK #3	Basin Inspection	Completed		0

291122	10/3/2018 13:43	Storm Basin WILDERNESS OAK #3	Basin Inspection	Completed	Basin looks to be working fine. The rip rap around the inlet has become full of sediment. This will need to be replaced. The sand was not maintained due to inclement weather. Next schedule cleaning is for November 2018.	349
135114	7/27/2018 10:51	Storm Basin WILDERNESS OAK #3	Basin Inspection	Completed	Basin looks to be working fine. The rip rap around the inlet has become full of sediment. This will need to be replaced. Next schedule cleaning is for September 2018.	349
127649	5/24/2018 15:09	Storm Basin WILDERNESS OAK #3	Basin Inspection	Completed	Basin looks to be working fine. The rip rap around the inlet has become full of sediment. This will need to be replaced. Next schedule cleaning is for July 2018.	349
119943	3/22/2018 10:15	Storm Basin WILDERNESS OAK #3	Basin Inspection	Completed	Basin looks to be working fine. The rip rap around the inlet has become full of sediment. This will need to be replaced. Next schedule cleaning is for May 2018.	349
113797	1/18/2018 14:54	Storm Basin WILDERNESS OAK #3	Basin Inspection	Completed	Basin looks to be working fine. The rip rap around the inlet has become full of sediment. This will need to be replaced. Next schedule cleaning is for March 2018.	349
300802	12/3/2018 13:21	Storm Basin WILDERNESS OAK #4	Basin Inspection	Completed	There is sediment build up in the floor of the basin that will have to be removed. Next schedule cleaning is for January 2019.	349
291145	10/3/2018 14:30	Storm Basin WILDERNESS OAK #4	Basin Inspection	Completed	There is sediment build up in the floor of the basin that will have to be removed. Next schedule cleaning is for November 2018.	349
135120	7/27/2018 11:11	Storm Basin WILDERNESS OAK #4	Basin Inspection	Completed		349
127224	5/22/2018 10:56	Storm Basin WILDERNESS OAK #4	Basin Inspection	Completed	Next schedule cleaning in for July 2018.	349
119949	3/22/2018 10:32	Storm Basin WILDERNESS OAK #4	Basin Inspection	Completed	The fence is severely leaning at this basin. There is sediment build up in the floor of the basin that will have to be removed. Next schedule cleaning is for May 2018.	349
113795	1/18/2018 14:48	Storm Basin WILDERNESS OAK #4	Basin Inspection	Completed	The fence is severely leaning at this basin. There is sediment build up int he floor of the basin that will have to be removed. Next schedule cleaning is for March 2018.	349
300801	12/3/2018 13:15	Storm Basin WILDERNESS OAK #5	Basin Inspection	Completed	Due to the construction in the area this basin is received a higher than normal sediment load. It currently appears there is a 4-6 inch layer of sediment that needs to be skimmed from the top of the basin. The sand filter is currently draining slowly. Next schedule cleaning is for January 2019.	349
292665	10/11/2018 15:01	Storm Basin WILDERNESS OAK #5	Basin Inspection	Completed	Due to the construction in the area this basin is received a higher than normal sediment load. it currently appears there is a 4-6 inch layer of sediment that needs to be skimmed from the top of the basin. The sand filter is currently draining slowly. Next schedule cleaning is for November 2018.	349
135122	7/27/2018 11:17	Storm Basin WILDERNESS OAK #5	Basin Inspection	Completed		349
127643	5/24/2018 14:52	Storm Basin WILDERNESS OAK #5	Basin Inspection	Completed	Due to the construction in the area this bsin is received a higher than normal sediment load. It currently appears there is a 4-6 inch layer of sediment that needs to be skimmed from the top of the basin. The sand filter is currently draining slowly. Next schedule cleaning is for July 2018.	349
119951	3/22/2018 10:40	Storm Basin WILDERNESS OAK #5	Basin Inspection	Completed	Due to the construction in the area this basin is received a higher sediment load. It currently appears there is a 4-6 inch layer of sediment that needs to be skimmed from the top of the basin. The sand filter is currently draining slowly. Next schedule cleaning is for May 2018.	349
113792	1/18/2018 14:43	Storm Basin WILDERNESS OAK #5	Basin Inspection	Completed	Due to the construction in the area this basin is received a higher than normal sediment load. It currently appears there is a 4-6 inch layer of sediment that needs to be skimmed from the top of the basin. The sand filter is currently draining slowly. Next schedule cleaning is for March 2018.	349

2018 Basin Maintenance

Task ID	Entry Date	Asset	Activity	Status	Notes	Total Cost
135112	7/27/2018 10:42	Storm Basin BULVERDE RD BASIN C	Basin Maintenance	Completed	Basin looks to be working fine. Next schedule cleaning is for September 2018.	349

2018 Basin Repair

Task ID	Entry Date	Asset	Activity	Status	Notes	Total Cost
123426		Storm Basin WILDERNESS OAK #3	Basin Repair	Completed	Replace stolen gates	657.12
117973		Storm Basin WILDERNESS OAK #4	Basin Repair	Completed	Replace fence that was falling down.	4982.66

TRAINING 2018

						Individual Presenter / Attendee Information																									
						Storm Water Quality																		Environmental Services							
			Service Centers			Erin Lowe		Arthur Locke		Rebecca Flores		Kenneth Hamilton		Kim Olivier		Stan Jordan		Javier Flores		Terrance Jackson		Irene Rocha		Andrew Winter		Carol Kendall		Anne-Marie Revenberg		Juan Acosta		Phil Mayhall	
PRESENTATIONS	Credit Hrs	No. of Attendees	Judson	Cagnon	Southton	Presenter	Attendee	Presenter	Attendee	Presenter	Attendee	Presenter	Attendee	Attendee		Presenter	Attendee	Attendee		Attendee		Presenter	Attendee	Presenter	Attendee	Attendee		Attendee		Attendee		Attendee	
Spills & Skills Presentation (30 min)	0.5	150				3																											
Storm Water Pollution Prevention for Construction Sites Presentation (30 min)	0.5	150				3																											
Storm Water Pollution Prevention Program Presenatation (30 min)	0.5	150				3																											
Municiple Storm Water Pollution Prevention Video (20 min)	0.5	150				3																											
Bexar County Site Development Permit Presentation (30 min)	0.5	100				4																											
Illegal Dumping Case Studies	1	60														1			1		1				1		1		1		1		1
Environmental Law Enforcement	1	60														1			1		1				1		1		1		1		1
Texas State University TXR150000 Presentation	1	15				1																	1										
CPS Bexar County Permitting Presentatioin	1	30				1																											
Career Day: Pecan Valley Elementary	4	120				4																	4										
TOTAL PRESENTATION/ TRAINING HOURS						**22**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**2**	**0**	**2**	**0**	**5**	**0**	**2**	**0**	**2**	**0**	**2**	**0**	**2**	**2**	**0**
			Service Centers			Storm Water Quality																		Environmental Services							
CONFERENCES/ WEBINARS/ WORKSHOPS	Credit Hrs		Judson	Cagnon	Southton	Erin Lowe		Arthur Locke		Rebecca Flores		Kenneth Hamilton		Kim Olivier		Stan Jordan		Javier Flores		Terrance Jackson		Irene Rocha		Andrew Winter		Carol Kendall		Anne-Marie Revenberg		Juan Acosta		Phil Mayhall	
TEEX Designated Representative (DR) Class	24					24						24		24		24		24				24								24			
Erosion Control and Soil Retention Systems	1.5					1.5		1.5		1.5		1.5		1.5		1.5				1.5				1.5									
Water-Energy-Food Nexus Workshop	6																							6									
TOWA Conference	12									12										12													
StormwaterONE Virtual Expo:	4					2				2																							
TELEA Conference	24															24		24												24			
High Strength Waste Water Workshop	16							16																16				16					
CTEHA Conference	8					8		8		8		8		8		8		8						8		8		8		8		8	
SARA: LID Lessons Learned	4					4																											
TCEQ Dam Safety Workshop	3					3		3		3		3		3																3			
SARA: LID Annual Inspection & Maintenance Certification	12									12				12																			
BRWM Illegal Dumping Workshop	12															12		12		12				12		12		12		12		12	
TCEQ UST Training	2																							2									
TCEQ Autumn Environmental Coference	12					12		12		12		12		12																12			
Basic and Intermediate Environmental Enforcement	12									12																							
PER OSSF Refresher	8									8				8																8			
Pavement Design and Restoration	6					6																											
TOTAL TRAINING HOURS	**166.5**					**60.5**		**40.5**		**70.5**		**48.5**		**68.5**		**69.5**		**68**		**25.5**		**24**		**45.5**		**20**		**36**		**91**		**20**	
			Service Centers			Storm Water Quality																		Environmental Services							
MEETINGS	Occurance		Judson	Cagnon	Southton	Erin Lowe		Arthur Locke		Rebecca Flores		Kenneth Hamilton		Kim Olivier		Stan Jordan		Javier Flores		Terrance Jackson		Irene Rocha		Andrew Winter		Carol Kendall		Anne-Marie Revenberg		Juan Acosta		Phil Mayhall	
4 HOA Meetings/ Events	Annual		1	1	1																							1					
Bexar Regional Watershed Management Meeting	Monthly					1										1																	
BRWM Illegal Dumping Meeting	Bi-Monthly					2												2															
BRWM Storm Water Meeting	Bi-Monthly																																
Air Quality Executive Meeting	Monthly							4										2						8									
National Night Out	Annual																											1					
Vector Meeting (Zika, West Nile, etc.)	Monthly																							6				6					
SEP HCP Meeting	Monthly																							12									
PDTF (Project Development Task Force) for Post Construction Permit	Quarterly															1				4													
TOWA Chapter Meetings	Quarterly							2																2									
TOTAL MEETING HOURS						**3**		**6**		**0**		**0**		**0**		**2**		**4**		**4**		**0**		**28**		**0**		**8**		**0**		**0**	
		TOTAL COMBINED HOURS				**85.5**		**46.5**		**70.5**		**48.5**		**68.5**		**73.5**		**74**		**31.5**		**29**		**75.5**		**22**		**46**		**93**		**22**	

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