

California Regional Water Quality Control Board
San Diego Region
David Gibson, Executive Officer



Executive Officer's Report
March 5, 2020

Table of Contents

Part A – San Diego Region Staff Activities 2

1. San Diego Region Tribal Summit 2

Part B – Significant Regional Water Quality Issues 4

1. 2018 Triennial Review Project No. 1: Tijuana River Valley Water Quality Restoration TMDLs 4

2. 2018 Triennial Review Project No. 3: Contact Water Recreation (REC-1) Water Quality Objectives 6

3. Sanitary Sewer Overflows and Transboundary Flows from Mexico in the San Diego Region – December 2019 (*Attachment B-3*) 8

The March report for the Tentative Schedule of Significant NPDES Permits, WDRs, and Actions; Agenda Items Requested by Board Members; and the attachments noted above are included at the end of this report.

Part A – San Diego Region Staff Activities

1. San Diego Region Tribal Summit

Staff Contact: Cynthia Gorham

The State Water Resources Control Board and San Diego Regional Water Quality Control Board (San Diego Water Board) hosted the “San Diego Region Tribal Summit” to seek input from the local Tribes on water quality concerns, and to hear the Tribes’ interest in designating beneficial uses to help protect water bodies within the San Diego Water Board’s jurisdiction that may have cultural and traditional importance to local Tribes. Representatives from ten Tribal governments and the Southern California Tribal Chairmen’s Association (SCTCA) and Native American Environmental Protection Coalition (NAEPC) participated in the Tribal Summit at the San Diego Water Board office on February 6, 2020.

David Gibson, Executive Officer of the San Diego Water Board gave a brief introduction to the Water Boards, the Basin Plan, and Water Quality Standards. He explained that one of the 2018 Triennial Review priorities is to add three new beneficial uses to the Basin Plan, two of those being Tribal Tradition and Culture (CUL) and Tribal Subsistence Fishing (T-SUB). In 2021 the San Diego Water Board will begin to develop a new priority list of potential issues to consider for the following three-year basin planning staff work plan. He expects that Tribal Beneficial Uses designation of water bodies will be the priority issue for the 2021 Triennial Review.

Mr. Gibson invited the Tribes to speak on Tribal water quality concerns and environmental activities at the March 5, 2020 joint Board Meeting with the Colorado River Water Board in Temecula.

Michael Connolly (Kumeyaay), representing SCTCA, gave a presentation on “Establishing Protections for the Native Communities through Tribal Beneficial Use Standards”. He provided a brief history of the reservations and their locations within San Diego County and explained that large populations of Native Americans continued to live in villages throughout the County despite defined reservation borders. Traditional cultural activities occurred and continue to occur throughout the San Diego Region and have not been restricted to reservation borders. He emphasized the importance of wetlands to the Native community into the present as they continue to harvest wetland resources available to them. The Native community sees their harvesting activities in wetlands as being a beneficial and balanced approach to maintaining healthy wetlands and propose that this approach could be used to protect and enhance wetland mitigation lands.

The STCTA supports Tribal Beneficial Uses designation of water bodies because this will allow the Indian Nations the opportunity to protect their culture and to collaborate more closely with the San Diego Water Board on water quality issues. An Environmental Justice grant was submitted last year to fund the background work for designating water bodies, but the grant was not accepted. The NAEPC member tribes voted to support seeking funds and will reapply for the grant in April 2020.

David Gibson stated that Tribal Beneficial Uses are a top priority for the San Diego Water Board and the staff will work collaboratively with the Tribes. Celeste Cantú, San Diego Water Board Vice-Chair offered to be more engaged with the Tribes moving forward. Honorable Chairman Robert Smith of the Pala Band of Mission Indians invited the Board Vice Chair and the Board Executive Officer to present on Tribal Beneficial Uses at a future SCTCA meeting.

Honorable Councilmember Laurie Gonzalez of the Rincon Band of Luiseño Indians mentioned that although those in the meeting representing Tribes agree that water bodies should be designated, each tribe should be consulted separately. This testament is a Guiding Principle within the Water Boards Tribal Consultation Policy.

Lisa Gover, Environmental Protection Director of the Campo Band of Mission Indians asked for cross-regional collaboration and streamlining of processes. David Gibson mentioned that our March 5, 2020 joint Board Meeting with the Colorado River Water Board is an initial effort to begin that process.

The State and Regional Water Boards have established a Tribal Beneficial Uses Work Group to develop guidance for designating water bodies across the State of California to be efficient and take advantage of the knowledge already collected throughout the State. Rob Roy representing the La Jolla Band of Luiseno Indians, requested that the Water Boards consider adding tribal representatives to this working group. Moisés Moreno-Rivera of the State Water Board said that the next meeting is February 20, 2020 and adding tribal representatives will be discussed.

Shasta Gaughen, Environmental Director/Tribal Historic Preservation Officer of the Pala Band of Mission Indians recommended inviting the Tribal Historical Preservation Officers as well as Tribal EPA directors into this forum.

Malinda Dumisani from CalEPA provided information on the Environmental Justice small grant application process. She emphasized that Tribal Beneficial Uses-related projects are eligible for funding.

Adriana Rentería was introduced as the new Tribal Liaison to the Water Boards.

Part B – Significant Regional Water Quality Issues

1. 2018 Triennial Review Project No. 1: Tijuana River Valley Water Quality Restoration TMDLs

Staff Contact: Melissa Corona

A. PROJECT INFORMATION

Project Lead: *Melissa Corona*

Supervisor: Cynthia Gorham

Report Date: March 2020

Report Period: December 2019-January 2020

Overall Status: On track

Website:

https://www.waterboards.ca.gov/sandiego/water_issues/programs/tmdls/tijuanarivervalle.html

Project Description:

The purpose of this project is to develop Total Maximum Daily Loads (TMDLs) for indicator bacteria and trash in the Tijuana River because the San Diego Water Board has identified human health and ecosystem impacts in the Tijuana River Valley as regional priorities for many years. The TMDL development process includes timely communication with the Tijuana River Valley Recovery Team, selecting numeric targets, identifying pollutant load reductions, and evaluating potential management actions.

Although the Tijuana River is on the 2014/2016 Clean Water Act Section 303(d) List of Water Quality Limited Segments for impairments due to a total of 20 pollutants, control of the anthropogenic sources of indicator bacteria and trash is likely to result in a significant reduction of the remaining pollutants.

Project Objective:

The objective is to reduce pollutant loads entering the Tijuana River in order to restore and maintain the chemical, physical, and biological integrity of the Tijuana River as well as the downstream Tijuana River Estuary and coastal waters.

Triennial Review Commitments:

Development of TMDLs for indicator bacteria and trash with implementation plans to restore impaired waters in the Tijuana River Valley.

Key Milestone	Target Date	Status
California Environmental Quality Act (CEQA) scoping meeting	May 15, 2019	Completed
Peer review of draft TMDL staff report	Summer 2020	On track

Public review of draft TMDL staff report	Winter 2020-21	On track
Basin Plan amendment package to San Diego Water Board for adoption	August 2021	On track

B. PROGRESS REPORT: Tijuana River Valley TMDLs

Reporting Period Events

Accomplishments during period	n/a
Collaboration during period	Briefing to Tijuana River Valley Recovery Team Steering Committee (December 17).
Activities planned but not completed	None
Key issues during period	Staff time was split across several other non-TMDL activities involving the Tijuana River Valley and another priority project from the 2014 Triennial Review.

Looking Forward

Activities planned for next period	Completion of TMDL first draft staff report internal review and revision.
Key issues on the horizon	This project could be affected by a number of efforts involving the Tijuana River Valley, including the San Diego Water Board's involvement in a lawsuit against the United States Section of the International Boundary and Water Commission (USIBWC), action on an investigative order issued to USIBWC in February 2020 for monitoring of water and sediment quality, efforts regarding IBWC Minute 320, and efforts led by the Tijuana River Valley Recovery Team.

2. 2018 Triennial Review Project No. 3: Contact Water Recreation (REC-1) Water Quality Objectives

Staff Contact: Michelle Santillan

A. PROJECT INFORMATION

Project Lead: Michelle Santillan

Supervisor: Cynthia Gorham

Report Date: March 2020

Report Period: December 2019-January 2020

Overall Status: Delayed

Website:

http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/issue3.shtml

Project Description:

The purpose of this project is to implement and track progress of recommendations outlined in the [2014 Triennial Review Project Summary Report \(2018\)](#). The goal is to focus on short-term actions that can be completed prior to the next Triennial Basin Plan Review in 2021.

Project Objective:

1. To protect REC-1 beneficial uses;
2. To adopt new and/or updated regulations based upon the latest technical findings and scientific understanding;
3. To facilitate effective use of resources by regulated parties; and
4. To ensure judicious use of San Diego Water Board resources.

Triennial Review Commitments:

Staff committed to focus on short-term actions that can be completed within the next three years that were identified in the 2018 recommendations report for the 2014 Triennial Review REC-1 project. These actions may include:

1. Updating the municipal separate storm sewer systems (MS4) permit;
2. Updating waste discharge requirements for sanitary sewer systems;
3. Issuing an Investigative Order for the San Diego River Watershed; and
4. Updating Chapter 3 of the Basin Plan to reflect the latest statewide water quality standards for bacteria in the Water Quality Control Plans for Inland Surface Waters, Enclosed Bays and Estuaries of California, and for Ocean Waters of California.

Key Milestone	Target Date	Status
Draft Basin Plan Amendment for Public Review	May 2019	Released in December 2019

Key Milestone	Target Date	Status
Public Hearing for San Diego River Watershed Investigative Order	June 2019	Adopted by San Diego Water Board on June 12, 2019.
Public Workshop for MS4 Permit Renewal	TBD	TBD
Draft Revisions to Regional WDRs for Sanitary Sewer Systems	TBD	Staff is reviewing the State Water Board effort to identify proposed revisions to statewide requirements for sanitary sewer systems.
Basin Plan Amendment for Board Consideration	December 2019	Public review completed. Planned for March 2020 Board consideration.

B. PROGRESS REPORT: REC-1 Water Quality Objectives

Reporting Period Events

Accomplishments during period	<ul style="list-style-type: none"> The draft Basin Plan amendment for non-regulatory updates to Chapters 2, 3, and 4 of the Basin Plan was released for public comment in December 2019. The Investigative Study Workplan required under the San Diego River Investigative Order No. 2019-0014 was submitted by the Responsible Parties to the San Diego Water Board in December 2019; staff is currently reviewing and preparing comments.
Collaboration during period	<ul style="list-style-type: none"> Staff is participating in a committee for the revisions of the Statewide General Waste Discharge Requirements for Sanitary Sewer Systems. The internal REC-1 workgroup met in January 2020.
Activities planned but not completed	None
Key issues during period	Documents posted on the San Diego Water Board website are now required to comply with the Americans with Disabilities Act (ADA). Making the Basin Plan ADA compliant delayed the public release.

Looking Forward

Activities planned for next period	<ul style="list-style-type: none"> Staff will finalize review and provide comments on the Investigative Study Workplan for the San Diego River Investigative Order.
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	<ul style="list-style-type: none"> If the Board adopts the Basin Plan amendment at the March Board meeting, staff will initiate the process to take the Basin Plan amendment to the State Water Resources Control Board for adoption (tentatively fall 2020).
Key issues on the horizon	None

3. Sanitary Sewer Overflows and Transboundary Flows from Mexico in the San Diego Region – December 2019 (*Attachment B-3*)

Staff Contact: Keith Yaeger

Sanitary sewer overflow (SSO) discharges from public sewage collection systems and private laterals, and transboundary flows from Mexico into the San Diego Region can contain high levels of suspended solids, pathogenic organisms, toxic pollutants, nutrients, oil, and grease. SSO discharges and transboundary flows can pollute surface and ground waters, thereby threatening public health, adversely affecting aquatic life, and impairing the recreational use and aesthetic enjoyment of surface waters. Typical impacts of SSO discharges and transboundary flows include the closure of beaches and other recreational areas, the inundation of property, and the pollution of rivers, estuaries, and beaches.

Sanitary Sewer Overflows (SSOs)

State agencies, municipalities, counties, districts, and other entities (collectively referred to as public entities) that own or operate sewage collection systems report SSO spills through an on-line database system, the *California Integrated Water Quality System* (CIWQS). These SSO spills are required to be reported under the [Statewide General SSO Order](#)¹, the [San Diego Regional General SSO Order](#)², and/or individual National Pollutant Discharge Elimination System (NPDES) permit requirements. Some federal entities³ report this information voluntarily. Most SSO reports are available to the public on a real-time basis at the following State Water Board webpage:

¹ State Water Board Order No. 2006-0003-DWQ, *Statewide General Waste Discharge Requirements for Sanitary Sewer Systems* as amended by Order No. WQ 2013-0058-EXEC, *Amending Monitoring and Reporting Program for Statewide General Waste Discharge Requirements for Sanitary Sewer Systems*.

² San Diego Water Board Order No. R9-2007-0005, *Waste Discharge Requirements for Sewage Collection Agencies in the San Diego Region*.

³ Marine Corp Base Camp Pendleton reports sewage spills to CIWQS as required by its individual NPDES permit, Order No. R9-2013-0112, NPDES Permit No. CA0109347, *Waste Discharge Requirements for the Marine Corps Base, Camp Pendleton, Southern Regional Tertiary Treatment Plant and Advanced Water Treatment Plant, Discharge to the Pacific Ocean via the Oceanside Ocean Outfall*. The U.S. Marine Corps Recruit Depot and the U.S. Navy voluntarily report sewage spills through CIWQS.

https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/PublicReportSSOServlet?reportAction=criteria&reportId=sso_main.

Details on the reported SSOs are provided in the following attached tables:

- Table 1: December 2019 - Summary of Public and Federal Sanitary Sewer Overflow Events
- Table 2: December 2019 - Summary of Private Lateral Sewage Discharge Events
- Table 3: December 2019 - Summary of Sewage Discharges by Source

A summary view of information on SSO trends is provided in the following attached figures:

- Figure 1: Number of SSOs per Month
- Figure 2: Volume of SSOs per Month

These figures show the number and total volume of sewage spills per month from December 2018 to December 2019. During this period, 43 of the 63 collection systems in the San Diego Region regulated under the Statewide SSO Program reported one or more sewage spills. Twenty collection systems did not report any sewage spills. A total of 338 sewage spills were reported and 1,962,367 gallons of sewage reached surface waters.

Additional information about the San Diego Water Board sewage overflow regulatory program is available at https://www.waterboards.ca.gov/sandiego/water_issues/programs/sso/index.shtml.

Transboundary Flows

Water and wastewater in the Tijuana River and from canyons located along the international border ultimately drain from the City of Tijuana, Mexico into the United States (U.S.). The water and wastewater flows are collectively referred to as transboundary flows. The U.S. Section of the International Boundary and Water Commission (USIBWC) has built canyon collectors that capture dry weather transboundary flows for treatment at the South Bay International Wastewater Treatment Plant (SBIWTP) at the U.S./Mexico border. Dry weather transboundary flows that are not captured by the canyon collectors for treatment at the SBIWTP, such as flows within the main channel of the Tijuana River, are reported by the USIBWC pursuant to [Order No. R9-2014-0009](#), the NPDES permit for the SBIWTP discharge. These uncaptured flows can enter waters of the U.S. and/or State, potentially polluting the Tijuana River Valley and Estuary, and south San Diego beach coastal waters.

In December 2019, there were three reported dry weather transboundary flows and one reported transboundary flow that occurred during both wet and dry weather. In total, the December 2019 transboundary flows resulted in over 1.2 billion gallons of contaminated

water⁴ flowing from Mexico into the United States. Details on the transboundary flows reported in December 2019 are provided in the attached tables:

- Table 4: December 2019 - Summary of Transboundary Flows from Mexico by Event
- Table 5: December 2019 - Summary of Transboundary Flows from Mexico by Weather Condition

According to the 1944 *Water Treaty for the Utilization of Waters of the Colorado and Tijuana Rivers and of the Rio Grande* and stipulations established in [IBWC Minute No. 283](#), the USIBWC and the Comisión Internacional de Limites y Aguas (CILA)⁵ share responsibility for addressing border sanitation problems, including transboundary flows. Efforts on both sides of the border have led to the construction and ongoing operation of several pump stations and treatment plants to reduce the frequency, volume, and pollutant levels of transboundary flows. This infrastructure includes but is not limited to the following:

- The SBIWTP, located just north of the U.S./Mexico border, provides secondary treatment for a portion of the sewage from Tijuana, Mexico and transboundary flows conveyed from canyon collectors located in Smuggler's Gulch, Goat Canyon, Canyon del Sol, Stewart's Drain, and Silva Drain. The secondary-treated wastewater is discharged to the Pacific Ocean through the South Bay Ocean Outfall, in accordance with USIBWC's NPDES permit, Order No. R9-2014-0009.
- Several pump stations and wastewater treatment plants in Tijuana, Mexico.
- The River Diversion Structure and Pump Station CILA in the City of Tijuana diverts dry weather transboundary flows from the Tijuana River. The flows are diverted to a discharge point at the Pacific Ocean shoreline, approximately 5.6 miles south of the U.S./Mexico border; or the flows can be diverted to SBIWTP or another wastewater treatment plant in Tijuana, depending on how Tijuana's public utility department (CESPT) directs the flow into the collection system. The River Diversion Structure is not designed to collect wet weather river flows and any river flows over 1,000 liters per second (35.3 cubic feet per second, 22.8 MGD).

Additional information about sewage pollution within the Tijuana River Watershed is available at

https://www.waterboards.ca.gov/sandiego/water_issues/programs/tijuana_river_valley_strategy/sewage_issue.html.

⁴ As used in this report, the term "contaminated water" is intended to refer to water that either meets the definition of "contamination" under Water Code section 13050(k) or that creates, or threatens to create, a condition of "pollution" under Water Code section 13050(l).

⁵ The Mexican section of the IBWC.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

Significant NPDES Permits,
WDRs, and Actions of the
San Diego Water Board

March 5, 2020

APPENDED TO EXECUTIVE OFFICER'S REPORT

**TENTATIVE SCHEDULE
SIGNIFICANT NPDES PERMITS, WDRs, AND ACTIONS
OF THE SAN DIEGO WATER BOARD**

Action Agenda Items – San Diego Water Board

April 8, 2020

San Diego Water Board

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Rescission of Order No. 98-04, Waste Discharge Requirements for United States Marine Corps Marine Corps Base Camp Pendleton, Sewage Treatment Plant No. 9 (Las Pulgas), San Diego County (<i>Bushnell</i>)	Waste Discharge Requirement Rescission	75%	9-Mar-20	Yes
NPDES Permit for the Discharge of Highly Purified Wastewater into the Miramar Reservoir by the City of San Diego, Tentative Order No. R9-2020-0001 (<i>Osibodu</i>)	New NPDES Permit	100%	26-Feb-20	Yes
Administrative Civil Liability Complaint against Baldwin & Sons, Inc. et al. Portola Center South Construction Site, Complaint No. R9-2020-0006 (<i>Melbourn</i>)	ACL Hearing	100%	28-Feb-20	No
Update on State Water Board, Division of Drinking Water (DDW thinking on 1) the development of uniform water recycling criteria for Direct Potable Reuse (DPR) and 2) regulation of small community public water systems (<i>Barker</i>)	Informational Item	0%	NA	NA

May 13, 2020

San Diego Water Board

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Lake San Marcos Update (<i>Mearon</i>)	Informational Item	0%	NA	NA
Cannabis Program Update (<i>Chiara</i>)	Informational Item	0%	NA	NA

June 10, 2020

Laguna Beach City Hall

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Rescission of Order No. 94-29, Waste Discharge Requirement Addendum for Tiger Trail Camp (<i>Komeylyan</i>)	Waste Discharge Requirement Rescission	20%	TBD	Yes
Master Reclamation Permit for Civita Development Project, San Diego County (<i>Komeylyan</i>)	New Master Recycling Permit	75%	TBD	No
Rescission of Order No. R9-2006-0063, Waste Discharge Requirements for the California Department of Transportation Descanso Maintenance Station, San Diego County (<i>Bushnell</i>)	Waste Discharge Requirement Rescission	20%	TBD	Yes
Rescission of Order No. 88-69, Waste Discharge Requirements for Pine Valley Trailer Park, San Diego County (<i>Bushnell</i>)	Waste Discharge Requirement Rescission	20%	TBD	Yes

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Rescission of Order No. 99-04, Waste Discharge Requirements for the Zoological Society of San Diego, San Diego Zoo Wild Animal Park, San Diego County (<i>Komeylyan</i>)	Waste Discharge Requirement Rescission	20%	TBD	Yes
Rescission of Order No. 93-69, Waste Discharge Requirements for Oak Crest Estates, Inc., and Rainbow Municipal Water District, Oak Crest Treatment Plant, San Diego County (<i>Bushnell</i>)	Waste Discharge Requirement Rescission	20%	TBD	Yes
Rescission of Order No. 94-131, Waste Discharge Requirements for Shiloah Springs Bible Retreat, Inc., Indian Hills Camp, San Diego County (<i>Komeylyan</i>)	Waste Discharge Requirement Rescission	20%	TBD	Yes
Rescission of Order no. 94-150, Waste Discharge Requirements for Pauma Valley Investment Trust, Rancho Corrido Trailer Park, San Diego County (<i>Bushnell</i>)	Waste Discharge Requirement Rescission	20%	TBD	Yes
Update on ReWild Project and Planning for De Anza Cove in Mission Bay: History, Status, and Opportunities (<i>Harris</i>)	Informational Item	NA	NA	NA
General National Pollutant Discharge Elimination System (NPDES) Permit for Residual Firework Pollutant Waste Discharges to Waters of the United States in the San Diego Region from the Public Display of Fireworks, Tentative Order (<i>Yaeger</i>)	NPDES Permit Reissuance	0%	TBD	Yes
South Orange County Wastewater Authority, Discharges to the Pacific Ocean through the Aliso Creek Ocean Outfall, Tentative Order (<i>Lim, Yaeger</i>)	NPDES Permit Reissuance	80%	TBD	No

Agenda Items Requested by Board Members
February 12, 2020

Requested Agenda Item	Board Member	Status
Climate change science and strategy update	Abarbanel	In Progress
Tijuana River Valley water quality update and future funding opportunities.	Abarbanel	In Progress

Table 1: December 2019 – Summary of Public and Federal Sanitary Sewer Overflow Events

Responsible Collection System Agency	Total Volume (Gallons)⁶	Total Recovered (Gallons)⁷	Total Reaching Surface Waters (Gallons)⁸	Total Reaching Separate Storm Drain and Recovered (Gallons)⁹	Total Discharged to Land (Gallons)¹⁰	Surface Water Body Affected¹¹	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area¹²
City of La Mesa	405	405	0	0	405	Not Applicable	0.0	155.0	58,244
City of National City	11,550	9,000	0	0	11,550	Not Applicable	1.0	105.0	58,967

⁶ Total Volume = total amount that discharged from sanitary sewer system to a separate storm drain, drainage channel, surface water body, and/or land.

⁷ Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

⁸ Total Reaching Surface Waters = total amount reaching separate storm drain (not recovered), drainage channel, and/or surface water body, but does not include amount reaching separate storm drain that was recovered.

⁹ Total Reaching Separate Storm Drain and Recovered = total amount reaching separate storm drain that was recovered.

¹⁰ Total Discharged to Land = total amount reaching land.

¹¹ Agencies are only required to note the surface water body affected if the discharge reaches or has the potential to reach a surface water. If the discharge did not reach a surface water and does not have a potential to reach a surface water (i.e., a discharge to land or a discharge to a separate storm drain that is fully recovered) the surface water body affected is listed as "Not Applicable." If the discharge was to a surface water body or to a separate storm drain and was not fully recovered, and the surface water body was not reported, the surface water body affected is listed as "Not Reported."

¹² As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Responsible Collection System Agency	Total Volume (Gallons) ⁶	Total Recovered (Gallons) ⁷	Total Reaching Surface Waters (Gallons) ⁸	Total Reaching Separate Storm Drain and Recovered (Gallons) ⁹	Total Discharged to Land (Gallons) ¹⁰	Surface Water Body Affected ¹¹	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area ¹²
City of San Diego	270	200	0	0	270	Not Applicable	141.3	3,034.9	2,500,000
City of San Diego	440	0	440	0	0	San Diego Bay	141.3	3,034.9	2,500,000
City of San Diego	180	0	180	0	0	San Diego Bay	141.3	3,034.9	2,500,000
City of San Diego	77	37	40	37	0	Rose Creek Channel	141.3	3,034.9	2,500,000
City of San Diego	140	130	0	0	140	Not Applicable	141.3	3,034.9	2,500,000
Eastern Municipal Water District	279	0	0	0	279	Not Applicable	36.0	588.0	253,664
Elsinore Valley Municipal Water District	11,400	11,400	0	0	11,400	Not Applicable	0.0	35.0	13,689
Otay Municipal Water District	6,060	6,060	0	0	6,060	Not Applicable	2.2	81.2	19,700
South Coast Water District	700	700	0	300	400	Not Applicable	3.0	138.0	42,000
US Marine Corps Base Camp Pendleton	25,405	25,000	400	8,000	17,005	Un-named tributary to Christianitos Creek	39.2	125.0	80,509

Responsible Collection System Agency	Total Volume (Gallons) ⁶	Total Recovered (Gallons) ⁷	Total Reaching Surface Waters (Gallons) ⁸	Total Reaching Separate Storm Drain and Recovered (Gallons) ⁹	Total Discharged to Land (Gallons) ¹⁰	Surface Water Body Affected ¹¹	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area ¹²
Naval Facilities Engineering Command Southwest Utilities	13,125	0	13,125	0	0	Drainage Ditch in Rose Canyon	Not Available	Not Available	Not Available

Table 2: December 2019 – Summary of Private Lateral Sewage Discharge Events

Responsible Collection System Agency	Total Volume (Gallons)¹³	Total Recovered (Gallons)¹⁴	Total Reaching Surface Waters (Gallons)¹⁵	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)¹⁶	Surface Water Body Affected¹⁷	Population in Service Area¹⁸	Number of Lateral Connections
Carlsbad Municipal Water District	15	15	0	15	Not Applicable	69,825	22,700
City of Chula Vista	20	10	10	10	Not Reported	265,070	49,532

¹³ Total Volume = total amount that discharged from private lateral to a separate storm drain, drainage channel, surface water body, and/or land.

¹⁴ Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

¹⁵ Total Reaching Surface Waters = total amount reaching separate storm drain (not recovered), drainage channel, and/or surface water body, but does not include amount reaching separate storm drain that was recovered.

¹⁶ Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land = total amount reaching separate storm drain that was recovered and/or total amount reaching land.

¹⁷ Agencies are only required to note the surface water body affected if the discharge reaches or has the potential to reach a surface water. If the discharge did not reach a surface water and does not have a potential to reach surface water (i.e., a discharge to land or a discharge to a separate storm drain that is fully recovered) the surface water body affected is listed as "Not Applicable." If the discharge was to a surface water body or to a separate storm drain and was not fully recovered, and the surface water body was not reported, the surface water body affected is listed as "Not Reported."

¹⁸ As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Responsible Collection System Agency	Total Volume (Gallons)¹³	Total Recovered (Gallons)¹⁴	Total Reaching Surface Waters (Gallons)¹⁵	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)¹⁶	Surface Water Body Affected¹⁷	Population in Service Area¹⁸	Number of Lateral Connections
City of El Cajon	30	30	0	30	Not Applicable	103,894	16,950
City of Escondido	30	0	0	30	Not Applicable	148,000	48,092
City of Imperial Beach	140	140	0	140	Not Applicable	26,337	10,909
City of Laguna Beach	5	5	0	5	Not Applicable	18,000	6,650
City of Poway	3	0	0	3	Not Applicable	45,800	12,256
City of San Diego	489	489	0	489	Not Applicable	2,500,000	264,998
City of San Diego	188	188	0	188	Not Applicable	2,500,000	264,998
City of San Diego	61	61	0	61	Not Applicable	2,500,000	264,998
City of San Diego	213	213	0	213	Not Applicable	2,500,000	264,998
City of Vista	28	28	0	28	Not Applicable	90,000	16,803

Responsible Collection System Agency	Total Volume (Gallons)¹³	Total Recovered (Gallons)¹⁴	Total Reaching Surface Waters (Gallons)¹⁵	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)¹⁶	Surface Water Body Affected¹⁷	Population in Service Area¹⁸	Number of Lateral Connections
Fallbrook Public Utility District	400	100	300	100	Not Reported	23,000	4,692
Fallbrook Public Utility District	60	60	0	60	Not Applicable	23,000	4,692
Fallbrook Public Utility District	60	25	0	60	Not Applicable	23,000	4,692
Moulton Niguel Water District	1,900	700	1,200	700	Not Reported	172,068	50,638
Ramona Municipal Water District	25	0	0	25	Not Applicable	15,000	3,799

Table 3: December 2019 – Summary of Sewage Discharges by Source

Spill Type	Month/Year	Number of Spills	Total Volume (Gallons)¹⁹	Total Recovered (Gallons)²⁰	Total Reaching Surface Waters (Gallons)²¹	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)²²
Public Spills	December 2019	11	31,501	27,932	660	30,841
Federal Spills	December 2019	2	38,530	25,000	13,525	25,005
Private Spills	December 2019	17	3,667	2,064	1,510	2,157
All Spills	December 2019	30	73,698	54,996	15,695	58,003

¹⁹ Total Volume = total amount that discharged from sanitary sewer system to a separate storm drain, drainage channel, surface water body, and/or land.

²⁰ Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

²¹ Total Reaching Surface Waters = total amount reaching separate storm drain (not recovered), drainage channel, and/or surface water body, but does not include amount reaching separate storm drain that was recovered.

²² Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land = total amount reaching separate storm drain that was recovered and/or total amount reaching land.

Figure 1: Number of SSOs per Month

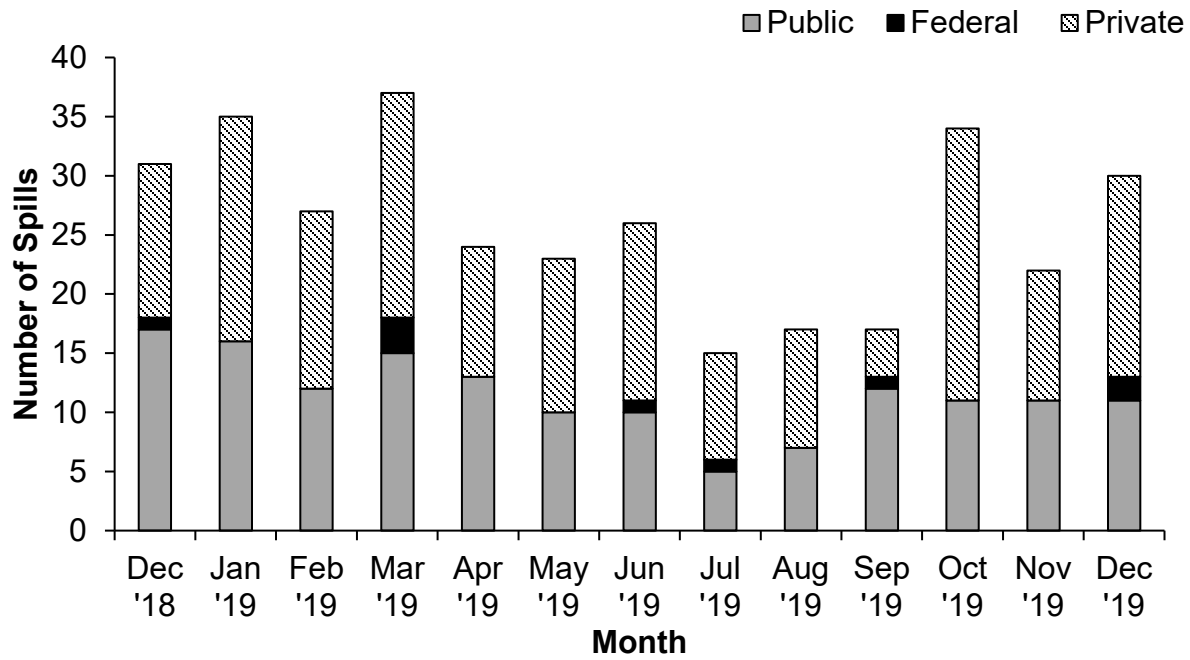


Figure 1: The number of public, federal, and private sanitary sewer overflows (SSOs) per month from December 2018 to December 2019.

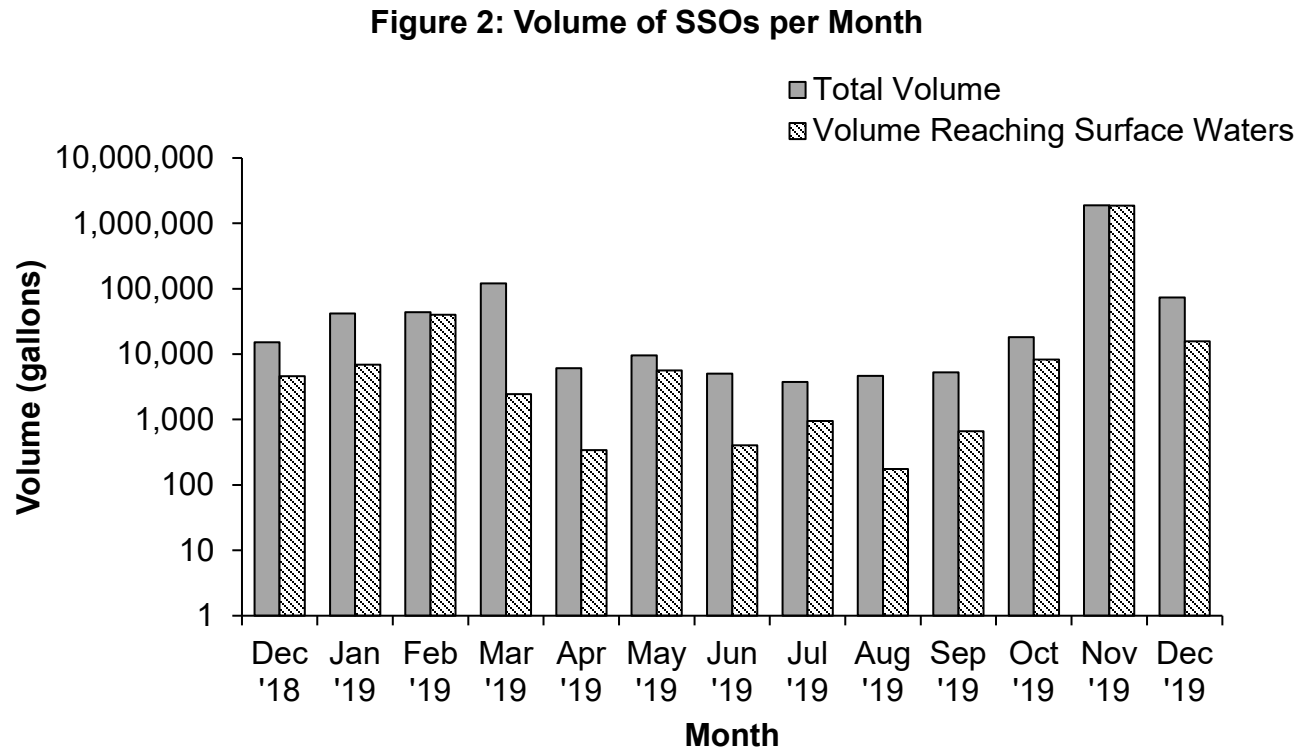


Figure 2: The volume of public, federal, and private sanitary sewer overflows (SSOs) per month from December 2018 to December 2019. Note the logarithmic scale on the vertical axis showing the wide variation in SSO volumes.

Table 4: December 2019 – Summary of Transboundary Flows from Mexico by Event²³

Location	Date(s) of Transboundary Flow	Weather Condition ²⁴	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)	Additional Details
Tijuana River	12/2/2019 to 12/3/2019	Dry	104,490,000	0	104,490,000	Due to rainfall in the Tijuana River Basin, flow in the Tijuana River exceeded the operational capacity of Pump Station CILA causing flow in the Tijuana River to bypass the River Diversion Structure and cross the U.S./Mexico border.
Del Sol Canyon Collector	12/3/2019	Dry	500	0	500	Sudden high flow from Mexico overwhelmed the collector.

²³ Transboundary flow volumes are obtained from self-monitoring reports submitted by USIBWC under Order No. R9-2014-0009..

²⁴ Order No. R9-2014-0009 requires monthly reporting of all dry weather transboundary flows defined as the preceding 72 hours have been without precipitation greater than 0.1 inch, based on the Goat Canyon Pump Station rain gauge. Wet weather transboundary flows are not required to be reported and information is provided voluntarily.

Location	Date(s) of Transboundary Flow	Weather Condition ²⁴	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)	Additional Details
Tijuana River	12/11/2019 to 12/23/2019	Wet and Dry ²⁵	863,837,415	0	863,837,415	Due to rainfall in the Tijuana River Basin, flow in the Tijuana River exceeded the operational capacity of Pump Station CILA causing flow in the Tijuana River to bypass the River Diversion Structure and cross the U.S./Mexico border.
Tijuana River	12/29/2019 to an unknown date	Dry	255,777,115	0	255,777,115	Due to rainfall in the Tijuana River Basin, flow in the Tijuana River exceeded the operational capacity of Pump Station CILA causing flow in the Tijuana River to bypass the River Diversion Structure and cross the U.S./Mexico border.

²⁵ Transboundary flow occurred during both dry and wet weather conditions.

Table 5: December 2019 - Summary of Transboundary Flows from Mexico by Weather Condition

Weather Condition²⁶	Month/Year	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)
Dry Weather	December 2019	360,267,615	0	360,267,615
Dry and Wet Weather	December 2019	863,837,415	0	863,837,415

²⁶ Order No. R9-2014-0009 requires monthly reporting of all dry weather transboundary flows. Wet weather transboundary flows are not required to be reported. All wet weather transboundary flow information is provided voluntarily.