



MUNICIPAL SEPARATE
STORM SEWER SYSTEM



City of Phoenix



2015 ANNUAL REPORT

Prepared by
AECOM

September 30, 2015



City of Phoenix

WATER SERVICES DEPARTMENT
Quality Reliability Value

September 25, 2015

Mr. Christopher M. Henninger
Manager
Stormwater and General Permits Unit, Surface Water Section
Arizona Department of Environmental Quality
Mail Code: 5415A-1
1110 West Washington Street
Phoenix, Arizona 85007

Re: ANNUAL REPORT FOR AZPDES PERMIT NO. AZS000003,
MUNICIPAL SEPARATE STORM SEWER SYSTEM

Dear Mr. Henninger:

We are pleased to submit the 2014-2015 Annual Report for the City's Municipal Separate Storm Sewer System (MS4) Permit No. AZS000003, issued on February 3, 2009. This report covers the reporting period beginning July 1, 2014 and ending on June 30, 2015. This document includes the information specified in Section 8.1.1 for All Annual Reports.

We appreciate this opportunity to provide you with information about our stormwater management program. Please direct any questions you may have regarding this report to Linda Palumbo at 602-534-2916.

Sincerely,

Kathryn Sorensen
Water Services Director

Enclosure

cc: Alexis Strauss, Region IX, Environmental Protection Agency (with attachment)
Ray Dovalina (Street Transportation Department)
Alan Stephenson (Planning and Development Services Department)
John Trujillo (Public Works Department)
Joe Giudice (Office of Environmental Programs)

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Drainage System Maps
List of Major Outfalls
Laboratory Reports for Stormwater Monitoring Performed in the Reporting Period
Ordinance G-6047, the Walkable Urban Code
New or Revised Public Outreach Documents

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ANNUAL REPORT FORM

For Phase I MS4s – Due September 30th each year

PART 1: GENERAL INFORMATION

- A. Name of Permittee: City of Phoenix, Arizona
- B. Permit Number: AZS000003
- C. Reporting Period: July 1, 2014 – June 30, 2015
- D. Name of Stormwater Mgt. Program Contact: Linda Palumbo
Title: Environmental Programs Coordinator
Mailing Address: 2474 South 22nd Avenue, Building #31
City: Phoenix Zip: 85009 Phone: (602) 534-2916
Fax Number: (602) 534-7151 Email Address: linda.palumbo@phoenix.gov
- E. Name of Certifying Official: Kathryn Sorensen, PhD
(Sections 9.2 and 9.12 of the permit)
Title: Water Services Director
Mailing Address: 200 West Washington Street, 9th Floor
City: Phoenix Zip: 85003 Phone: (602) 262-6627
Fax Number: (602) 534-1090 Email Address: kathryn.sorensen@phoenix.gov

PART 2: ANNUAL REPORT CERTIFICATION

The Annual Report Form must be signed and certified by either a principal executive officer or ranking elected official; or by a “duly authorized representative” of that person in accordance with Sections 9.2 and 9.12 of the permit.

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 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.


Signature of Certifying Official

9/10/15
Date

PART 3: NARRATIVE SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Attach a status summary addressing each of the following in the approximate order referenced below. Briefly describe implementation, progress, and challenges in each area during the reporting year. Also, explain any significant developments or changes to the number or type of activities, frequency or schedule of activities, or the priorities or procedures for specific management practices.

A. Summarize public awareness activities including outreach

- **Report outreach events, topics, number of people reached, number and type of materials distributed and the Target groups.**

Stormwater Outreach

The City of Phoenix conducted a variety of stormwater-related public awareness activities throughout the 2014/2015 fiscal year, including outreach focused on restaurants, Home Owners Associations (HOAs), school children, and the general public. In May, the Water Services Department (WSD) implemented “Stormwater Saturday”, sending out stormwater-focused tweets on Saturdays.

A brochure focusing on Best Management Practices (BMPs) for restaurants was completed late last fiscal year and the Spanish version was completed this fiscal year (see attachment). In FY2014/2015, Commercial Inspectors handed out 517 restaurant brochures (457 English & 60 Spanish) during their routine inspections. Local schools were supplied with a variety of materials such as flyers, brochures, pencils and pens, all with a stormwater message. Outreach events were staffed by Water Quality Inspectors who answered questions and provided information to citizens.

The City also participates in Stormwater Outreach for Regional Municipalities (STORM) to provide coordinated stormwater outreach throughout the Phoenix metropolitan area. This year STORM advertised on 20 digital billboards throughout the month of June. STORM also conducted other informational outreach events at various locations throughout the city.

A summary of the stormwater outreach activities for FY2014/2015 is included in Table 3-1.

**Table 3-1
Stormwater Outreach Activities**

Date(s)	Event / Activity	Audience	Message	Handouts*
July 10, 2014	Head Start Program, Health fair for kids	School 70 people	General Stormwater Management	50 coloring books and 20 stormwater brochures
August 22, 2014	ASU prep academy	School 34 people	Other	Coloring books, pencils, Storm Drain Dan Dolls
September 23 & 24, 2014	Washington School District	School 1,100 children	General Stormwater Management	Stormwater flyers to distribute to 3rd grade students at 27 schools
September 25, 2014	Roosevelt School District	School 900 children	General Stormwater Management	50 fliers to 19 elementary schools
September 26, 2014	Cartwright School District	School 1,900 children	General Stormwater Management	100 flyers to 19 schools

Date(s)	Event / Activity	Audience	Message	Handouts*
October 24, 2014	Phoenix Food Day	General Public 2,000 people	General Stormwater Management	100 How to drain your pool; 50 Storm drain trifolds; 100 Frisbees; 100 hacky sacks; 200 pencils; 100 green bags; 150 book marks.
November 7, 2014 – March 5, 2015	Movie Theater Campaign (STORM)	General Public 2,145,000 people	General Stormwater Management	Not Applicable
November & December 2014, March 2015	Bear Essential News (STORM)	School 800,000 views	General Stormwater Management	Adds on regional student education newspaper that distribute 120,000 per month
January 8, 2015	Roosevelt School District	School 950 children	General Stormwater Management	Flyers to 19 schools on what stormwater is and how to reduce pollution.
January 9, 2015	Washington School District	School 2,070 children	General Stormwater Management	Flyers to 27 schools about stormwater, what it is and how to reduce pollution.
January 12, 2015	HOA electronic newsletters	Home Owners 100,000 people	Pollution Prevention	Electronic Flier sent to 12 HOAs
March 7 & 8, 2015	Tres Rios Nature Festival	General Public 7,000 people	General Stormwater Management	2,386 items given away from the Stormwater Section and 1,007 pamphlets with water quality information
March 10, 2015	The Business Experience / Phoenix Convention Center	Business Owners 150 people	General Stormwater Management	100 pencils and 50 hacky sacks
April 9, 2015	ASU preparatory Academy	School 53 people	Pollution Prevention	150 SDD coloring books; 1 book <i>All the way to the Ocean</i> ; 50 pencils and 1 coffee mug
April 13, 2015	HOA newsletters	Home Owners 100,000 people (34,759 households)	Illicit Discharge	Proper Pool discharge newsletter sent to 12 HOAs
April 18, 2015	Health fair	General Public 100 people	Pollution Prevention	30 SDD dolls; 50 SDD coloring books; 30 green bags; 50 Frisbees
April 22, 2015	Earth Day	City Employees 100 people	General Stormwater Management	695 items given out
May 21, 2015	Compliance Academy	Targeted Business 50 people	General Stormwater Management	50 pencils

Date(s)	Event / Activity	Audience	Message	Handouts*
June 9, 2015	GREAT program presentation	School 46 people	Pollution Prevention	Bags, coloring book, pencils, world stress balls, plastic cups, Frisbees and lid openers (287 total)
June 11, 2015	Daughters and sons to work day	City Employees 150 people	Pollution Prevention	50 bags, 60 SDD coloring books, 50 white Frisbees, 100 pencils, and 100 cups
June 30, 2015	HOA electronic newsletters	Home Owners 34,759 households	Illicit Discharge	Car washing newsletter sent to 12 HOAs
June 1 – 30, 2015	Billboards (STORM)	General Public 17,101,939	Pollution Prevention	Not Applicable
Various	Facebook	Water Services Facebook 362 followers	General Stormwater Management	Not Applicable
Various	Twitter	Water Services Twitter 1,266 Followers	General Stormwater Management	Not Applicable
July 1, 2014 – June 30, 2015	Website	General Public 1,883 views	General Stormwater Management	Not Applicable

*Note: A goal of the City's Sustainability Program is to reduce the volume of paper that is printed and distributed.

B. Summarize public involvement activities including outreach

- **Identify activities, number of people involved, number and type of materials distributed if applicable.**

Household Hazardous Waste Collection

The Public Works Department (PWD) provided Phoenix residential customers with nine (9) Household Hazardous Waste (HHW) collection events in Fiscal Year 2014/2015. Over 6,000 Phoenix residential customers participated in the HHW events. Close to 35,000 gallons of oil-based paint and related materials were collected, along with 43,200 gallons of flammable liquids. The HHW program collected and recycled over 3,500 gallons of used oil, 2.5 tons of lead acid and rechargeable batteries brought to the events. The HHW program also collected, remixed and redistributed over 1,700 gallons of latex paint for reuse. Other items collected and properly disposed included: antifreeze, pesticides, herbicides, and other hazardous and toxic materials. Non-hazardous materials brought to HHW events were sorted out and disposed of as Municipal Solid Waste (MSW), such as shampoo, lotions, alkaline batteries and quart-sized latex paint.

- **Describe MS4 system for public reporting of spills, dumping, discharges, and related stormwater issues.**

The City continues to offer a Stormwater Hotline (602-256-3190) in English and Spanish, as well as an email address (ask.water@phoenix.gov) for anyone who wishes to report a complaint concerning illicit discharges or releases to the storm drain system. The contact information is distributed with outreach materials and is available on the stormwater website. The City received 195 complaints during the year from several sources including the telephone, hotline and email.

C. Summarize Illicit Discharge, Detection and Elimination (IDDE) program activities. Include:

➤ **Illicit discharge prevention activities.**

The City discourages discharges to the storm drain system through the placement of Pollution Awareness Markers (PAMs) on existing catch basins. This year, more than 1,300 PAMs were added to existing catch basins using a two part epoxy, and more than 19,000 PAMs have been installed since the program started.

The City standard for managing hazardous waste and hazardous materials at municipal facilities is the Hazardous Materials Management Program (HMMP) Manual. The manual is available to City employees online through the City's intranet. HMMP procedures apply to all City departments unless stated otherwise and were developed to ensure the City operations are in compliance with federal, state, and local environmental and safety regulations. The HMMP Manual directs personnel to locate storage areas as far away as possible from washes, drains, and drywells and requires that they be protected from weather. Requirements are provided for secondary containment, security, air quality permitting, safety and spill response equipment, proper signs, and labeling. Container storage requirements such as aisle spacing, limitations on drum stacking, segregation of incompatible materials, and types and condition of containers are also provided.

The HMMP Manual contains a comprehensive stormwater management procedure, which, also serves as the facility stormwater management plan required by Phoenix City Code Chapter 32C. The procedure applies to all city facilities with the potential to impact stormwater and addresses permit applicability [including the Multi-Sector General Permit (MSGP) and De Minimis General Permit (DMGP)], training and inspection requirements, and BMPs for solid waste/litter control, parking lots and building washing, scrap metal and equipment, bulk material piles, vehicle and equipment washing and fueling, and maintenance of stormwater management devices.

The HMMP Manual is maintained by the Office of Environmental Programs (OEP). Each HMMP procedure is reviewed at least once every two years and revised as necessary. Revisions may be made more frequently if regulatory requirements change.

During FY 2014/2015, six of the eleven HMMP procedures were reviewed and updated, based on input from twelve operating departments and staff with stormwater expertise, including environmental quality specialists and environmental program coordinators.

➤ **Training dates and topics:**

Stormwater training covering IDDE is accomplished through training offered by various departments, including Water Services, Public Works, Parks and Recreation, and OEP. Municipal employee stormwater training is coordinated by the OEP P2 Program.

The Phoenix MS4 permit requires IDDE training for two major groups of employees: (1) field staff without direct stormwater program responsibilities; and (2) employees with direct stormwater program responsibilities (Stormwater Field Staff). In addition, the training is divided into three (3) frequencies:

- Annual (for select field staff with "no direct stormwater responsibility" only)
- New Employee Training (for Stormwater Field Staff – offered twice a year)
- Refresher Training (for Stormwater Field Staff – offered every two years).

Other specific training requirements include municipal, industrial, and construction site inspections, hazardous materials handling, spill management, street maintenance and repair and water/sewer maintenance and is limited to employees working in functions with the potential to impact stormwater. Affected employees are identified in the stormwater training plan in the City's Stormwater Management Plan (SWMP). The training is offered by various departments and is divided into two frequencies:

- New Employee Training (conducted twice per year)
- Refresher Training (conducted once every two years).

➤ **Annual Training**

Stormwater Awareness Training. Awareness training covering IDDE is provided to select field staff with no direct stormwater responsibilities. Topics taken from the City MS4 stormwater permit requirements include identification of harmful/prohibited practices (illegal dumping or spills) into the City's stormwater system and proper management procedures (reporting to the Stormwater Management Section). Eight training sessions were held on the following dates with 287 employees attending. Session dates are indicated below:

2014
September 23
October 21

2015
March 18
April 9, 15
May 22
June 3, 23

➤ **New Employee Training and Biennial Refreshers**

IDDE for Stormwater Inspection Staff. Topics covered include MS4 permit requirements, Phoenix City Code, detecting and identifying illicit discharges, De Minimis and other sources of non-stormwater discharges, outfall inspections, sampling, and field screening. A training session was conducted on April 28, 2015 for twelve employees that were hired into, transferred to, or assigned a new job function within the Stormwater section between November 2014 and April 2015. Two municipal inspectors from OEP also attended.

Street Repair and Road Improvement for Street Maintenance Staff. Training is provided to all field staff in the Street Maintenance Division of the Street Transportation Department (STD). Training covers IDDE awareness, pollution prevention, and BMPs to minimize discharges to storm drains. Specific topics include BMPs for hazardous material use and storage, street sweeping, painting and striping, sediment pile management, paving, vehicle maintenance and washing, handling spills, solid waste, and concrete washout areas. Twelve sessions were held for a total of 429 employees on the following dates:

2015
March 3, 4, 5, 10, 11, 17, 18, 19, 24, 25, 26
April 22

Spill Prevention and Management Practices – non-Fire Department. Training covers site specific spill prevention and response procedures/responsibilities and spill management

practices to prevent or minimize discharges to the storm sewer system and drywells. Excluding the Fire Department Spill Training, which is listed in the following section, a total of 160 employees were trained on these topics during 14 training sessions. The sessions were held on the following dates.

2014

September 24
October 13, 15, 29
November 10
December 18

2015

February 4, 24
March 30
April 22, 29
May 27
April 14
June 6

Spill Prevention and Management Practices – Fire Department. Training is delivered through an online video and training module, which was created specifically for the Phoenix Fire Department. The training covers stormwater awareness, specific spill prevention and response procedures/responsibilities for use during emergency responses, including protection of storm drains and drywells, and BMPs for Fire Department facilities. There were 442 individual computer sessions for 442 employees. The employees completed the training over a period ranging from January 26, 2015 through May 31, 2015. The rosters showing the actual session completion date/time stamps for the Fire Department are available upon request.

Hazardous Material Handling. Training covers responsibilities for spill prevention and reporting, compliance with regulatory and City hazardous materials management procedures (proper handling, storage, transportation, and disposal) to prevent contamination of stormwater runoff. Refresher training was not required in this category for most of the larger Departments in 2014/15. There were six sessions conducted in all, which were held on the following dates, for sixty employees:

2014

October 15
November 5, 19

2015

May 28
June 4, 17

Water/Sewer Maintenance. Training is provided to field staff in Water Distribution and Wastewater Collection and includes protocols to minimize discharges including those found in the WSD Stormwater Pollution Prevention Plan, Emergency Response Plan and Field Incident Response Plan. Refresher training was not required in 2014/15. Sixteen employees, mostly new or new to the applicable job function, completed this training during two training sessions held on September 23, and October 21, 2014.

Municipal Stormwater Inspections. Training topics include federal and local regulatory requirements, applicable permits and codes, stormwater BMPs, municipal facility inspection procedures, illicit discharges and De Minimis discharges. There were no new employees requiring this training in 2014/15. Three of three municipal facility stormwater inspectors attended a refresher training session on April 28, 2015.

Industrial Stormwater Inspections. Training is provided to all inspectors in the WSD Environmental Services Division Stormwater Section. Topics include applicable permits and codes, stormwater pollution prevention policies, structural and non-structural BMPs, and inspection and enforcement procedures. A training session was conducted on April 28, 2015 for twelve employees that were hired into, transferred to, or assigned a new job function within or for the Stormwater section between November 2014 and April 2015.

Construction Sites Plan Review and Inspection Training. The Planning and Development Department (PDD) provided on-the-job training (OJT) for stormwater plan review and inspections for five new employees during the period between November 2014 and March 2015. Formal stormwater construction inspection refresher training was provided by a consultant for twenty-two city staff in two different sessions, and one OEP staff member attended Arizona Department of Transportation (ADOT) Erosion Control Coordinator (ECC) training, and received ECC certification, on January 14-15, 2015.

2014

November 17 – January 1 (OJT x 2)

December 1 – Feb 2 (OJT)

2015

January 14, 15 (ADOT ECC training)

February 2 – April 15 (OJT x 2)

April 15, 29

➤ **IDDE screening program and investigations – including an overview of industrial facility inspections, identified sources, and any significant corrective or enforcement actions.**

The IDDE program continues to track illicit flows discovered in the storm drain system to identify their sources. Dry-weather flows are investigated by opening manholes and following the flow upstream. Flow changes (typically volume) are observed by the IDDE crew when the manholes are opened. Once the suspected illicit tap is determined to be nearby, the video system is then inserted in the storm drain pipe to track the flow directly to its source. By using the video system the City can then determine where the illicit connection or tap is located and then conduct the appropriate inspection. Occasionally, dye testing or a similar procedure is used to verify the source of the connection.

This Fiscal Year, the IDDE team identified the following non-stormwater discharges:

- Flow at outfall SR-52, was found to be groundwater coming from two condominium complexes; Riverwalk and Red Rox flowing into a stormwater channel. A hydrologist confirmed that groundwater table was close to the surface in this area. This is an allowable non-stormwater discharge.
- Flow at outfall SR002 was found to be coming from a Salt River Project (SRP) junction box located at 4415 S 43rd Avenue. Irrigation water is an allowable non-stormwater discharge.

- Flow at outfall SR32 was found to be coming from SRP junction boxes located at 2nd Avenue and Broadway, 7th Avenue and Roeser, and 7th Avenue and Sunland. Irrigation water is an allowable non-stormwater discharge.
- Flow at outfall CC024 was found to be coming from the restaurant Pappadeaux Seafood Kitchen. Employees were hosing down the patio and dumpster area. An industrial inspection was performed, resulting in a Notice of Violation (NOV) being issued. The restaurant was instructed to clean out the storm drain inlet and implement a SWMP which included using a sock to protect the catch basin drains.
- Flow at outfall SR010 was found to be coming from the cooling towers in the downtown phoenix business corridor. This is an allowable non-stormwater discharge so no further action was necessary.
- Flow at outfall SR007 was found to be entirely from irrigation water overflow from Crooked Sky Organic farm. No other sources were found in the area. This is an allowable non-stormwater discharge.
- Flow at outfall SR003 was found to be coming from an SRP junction box located at Lower Buckeye and 35th Avenue. Irrigation water is an allowable non-stormwater discharge.
- Flow at outfall SR004 was found to be coming from a broken sprinkler head at the Greenwood Lawn Mortuary, which caused water to be directed into the street. Although this is an allowable non-stormwater discharge, the mortuary was contacted and asked to repair the sprinkler head.
- Flow at outfall SR035 was found to be from an SRP junction box. No other sources were found in the area. Irrigation water is an allowable non-stormwater discharge.
- Flow at outfall SR014 was determined to be landscape irrigation water. This is an allowable non-stormwater discharge.
- Flow at outfall SR015 was determined to be landscape irrigation water as well as condensate from downtown structures.
- The flow investigation at outfall SR020 began because of a print shop fire on Washington Street which discharged 1,000,000 gallons of firefighting water and foam into SR020. OEP collected a sample of the discharge at the outfall. Emergency firefighting water is typically considered an allowable non-stormwater discharge. However, elevated levels of acrylonitrile and phenol in this sample triggered the investigation. Flow was traced north from SR020 on 24th Street all the way to the end of the storm drain line just before Bethany Home, with several contributing flows. Laterals were checked on McDowell, Thomas, and 4900 North (Esplanade Lane). Irrigation water was observed flowing west on Thomas towards 24th Street and is one contributing flow. There is also minimal flow from a pump station on 4900 North McDowell was dry. The last flow was from SRP north on 23rd Street. None of these flows appeared to be the source of the elevated acrylonitrile and phenol.
- Flow at outfall SR007 was determined to be from lawn watering. This is an allowable non-stormwater discharge.
- Flow at outfall SR027 was found to be coming from SRP. Irrigation water is an allowable non-stormwater discharge.

The IDDE Staff also investigated three other instances of illicit discharges to the storm drain system.

- A resident spilled carburetor chemicals in his garage and then proceeded to wash the chemicals to the street. This contaminated water traveled 500 feet to a retention area. OEP was notified and the chemical spill was cleaned up.
- An unidentified person dumped oil into the street near a vacant lot at 1121 East Apache Road. An environmental cleanup company was called to remove the oil soaked earth and restore this area to its previous condition.
- A Red Roof Service vehicle was involved in an accident in the vicinity of 36th Avenue and Buckeye Road. It was estimated that 15 gallons of diesel fuel entered the storm drain catch basin. OEP was notified to perform the necessary clean-up of the spill.

Cross Connection Identified:

A cross connection between the City's MS4 and the sanitary sewer was identified in mid-June. Stormwater in the intersection of 1st Street and Buchanan flows into a drywell which is connected to a junction box (marked as an irrigation box). The junction box flows to the sanitary sewer system. Sanitary wastewater does not flow into the storm drain. As a temporary remedy, Street Transportation crews will vector stormwater in this area and dispose of it in a nearby storm drain. The City has received a grant from Maricopa County Flood Control District to assist with the implementation of a permanent solution, which includes connecting the intersection to the storm drain on Lincoln (one block to the south). This project is expected to be initiated in FY15/16.

D. Municipal Facilities

➤ **Status of identification and inventory of these facilities.**

The Municipal Facility Inventory (MFI) is maintained in a facility assessment database that tracks inspection activities, compliance findings and pollution prevention recommendations. The inventory includes facilities owned and operated by City staff that store or use hazardous chemicals in containers greater than 5 gallons, or which otherwise have the potential to pollute stormwater. Chemicals stored onsite at each facility are tracked through an online citywide Safety Data Sheet Management System. There were 301 municipal facilities on the inventory as of June 30, 2015. OEP's inspection facility assessment schedule targets 101 facilities each year.

Information maintained in the inventory includes: address, latitude and longitude, chemicals stored or used and their safety data sheets, operational status (operational or closed), Standard Industrial Classification (SIC) codes, date of last assessment, brief description of operations, facility contact, as well as other compliance-related information. Compilation of the latitude and longitude data was completed in December, 2010. The number of facilities may change based on new facilities becoming operational or existing facilities undergoing a change/cessation of operations. Such changes to the MFI are tracked through the facility assessment database.

High-Risk Facilities Identification and Prioritization:

The high-risk facility identification and prioritization was completed on June 30, 2011. The high risk identification process considered each of the following: (1) quantity of chemicals stored onsite (based on Tier II Reports), (2) potential for exposure of such chemicals to

stormwater based on storage location, (3) likelihood of a spill or release to occur and discharge offsite based on structural BMPs and site drainage characteristics, (4) potential severity of impact on surface waters for a worst-case scenario release, and (5) MSGP coverage. Storage of and potential for release of other pollutants at the site were also considered as an additional risk factor.

Numeric ranking criteria are used to evaluate all city facilities that had submitted Tier II Reports. The criteria indicate which facilities are “higher risk” and also the overall risk of facilities relative to one another.

Of the 44 facilities initially categorized as high-risk, five facilities (service centers) were determined to be highest risk and were required to develop and implement facility-specific stormwater pollution prevention plans (SWPPP) and to conduct routine quarterly inspections by site staff and annual comprehensive stormwater inspections by OEP. For the 39 others—mainly unstaffed, remote locations associated with sanitary sewer system lift stations and odor control stations, or fire stations with double-walled (aboveground storage tank) ASTs containing diesel fuel—an increase in inspection frequency was not deemed necessary, but a comprehensive stormwater facility assessment is required at least once every three years.

➤ **Overview of inspection findings (i.e., number inspected, number with follow-up actions needed, significant findings).**

The OEP conducts Environmental Facility Assessments (EFAs) of City owned and operated facilities to acquire baseline information, ensure compliance with select environmental compliance requirements, including spill preparedness and response procedures, hazardous materials storage, and identification of opportunities to reduce hazardous material use and hazardous waste generation. The EFA inspection checklist includes a section on stormwater BMPs, the facility’s SWMP, and a targeted review of high-risk facilities; this checklist is used to meet the Facility Assessment Measurable Goal at Appendix A Section III.B.(1) and the Municipal Facility Inspection Measurable Goal at Appendix A Section IV.C.(2).

OEP’s target schedule is to conduct EFA’s at 101 (of 301) facilities each year. The highest-risk facility service centers (5), which have facility specific SWPPPs, are inspected by site staff quarterly and receive an annual comprehensive stormwater inspection by OEP at least annually. Thirty-nine other high risk facilities receive a comprehensive facility stormwater inspection once every two to three years.

In 2014/15, EFAs were completed at 112 of the facilities on the MFI. Sixty-three facilities had zero corrective action findings as a result of the assessment. Fifty-four facilities had a total of 116 findings; recommended corrective action items are summarized in the next section.

In 2014/15, twenty-four of the forty-four high-risk facilities were assessed, including all five of the highest-risk service centers with SWPPPs. The five high risk service centers are also assessed quarterly by site staff. Twelve facilities had findings, eight of which had some corrective actions related to stormwater which required improved stormwater BMPs. These are summarized in the following section.

➤ **Activities needed and performed in response to inspections (EFAs)**

The OEP records and tracks all activities needed as a result of an EFA until resolution. As applicable, facility status updates identifying any uncorrected findings are regularly provided to Department Directors. The text below summarizes the primary stormwater-related corrective action activities performed during the 2014/2015 assessment cycle.

2014/2015 Corrective Actions Implemented (EFAs)

- Spill response BMPs:
 - Ensured spill response kits are adequately stocked and accessible
 - Installed or updated emergency contact poster in areas where hazardous materials are used or stored
- Structural BMPs (to minimize exposure to stormwater and prevent spills):
 - Ensured facilities only store containers of hazardous materials under weather-protective cover or inside
 - Provided new secondary containment for hazardous material containers and used oil, etc.; repaired/cleaned existing secondary containment structures
 - Provided sediment control (e.g., straw wattles, fiber rolls) for material or soil stockpiles
- Non-structural BMPs (practices and procedures)
 - Ensured container closure and labeling standards are followed for chemical containers and universal wastes
 - Improved housekeeping and general site, parking lot, and outdoor equipment storage practices
 - Ensured storage amounts are kept to a minimum

2014/2015 High-Risk Facilities – Improved Stormwater Controls and Practices Implemented

- Improved maintenance of retention basins; maintain free of trash and debris and do not use for concrete wash-out.
- Ensured proper storage practices for scrap metal as required by HMMP.
- Ensured compliance with HMMP storage practices for hazardous materials—store indoors, or under other weather protections, in closed containers, with appropriate secondary containment.
- Ensured secondary containment structures are maintained clean and dry.
- Implemented facility spill plans and/or posted spill contact info and spill response procedures.
- Completed two projects to construct weather-protected storage pad areas at two different city service center facilities. The stormwater control structures provide secondary containment (berms) and weather protection (permanent awning) for storage of equipment with surface contamination or potential to leak, such as internal engine parts or hydraulic cylinders. These projects were funded using the stormwater program's capital improvement project funds and were completed in September 2014.

2014/2015 Other Stormwater-Related Improvement Projects

In addition to improvements made in response to inspection findings, the following stormwater capital improvement projects also had activity in 2014/15:

- Completed mapping of new drainage basin polygons for 112 specified MS4 outfalls, which will be incorporated into the Geographic Information System (GIS). This will enhance the city's ability to link specific discharge locations to specific outfalls.
- Installed new curb and gutter at the 2640 South 22nd Avenue (City Clerk Print Shop) and rehabilitated two drywells at the facility, to improve site drainage. Construction improvements were based on design recommendations from a 2013/2014 stormwater capital improvement program funded project.
- Work began on drainage improvements at a former landfill site within the Rio Salado Habitat Restoration area, just west of 7th Avenue on the north bank. New rip rap channels and curbs along the service road are being installed to minimize future erosion. Project continued into Fiscal 2015/16.

➤ **Identification and tracking of municipal owned and operated facilities subject to permitting under the MSGP.**

Below is a listing of the eleven (11) City-owned and operated facilities subject to permitting under the MSGP, based on their industry sector and/or SIC code.

**Table 3-2
City Owned/Operated Facilities Subject to MSGP**

Department	Facility	Address	POC	Authorization #	Comments
Public Works	Skunk Creek Landfill	3165 W Happy Valley Rd Phoenix, AZ 85027	Environmental Quality Specialist Joy Bell 602-256-5605	AZMSG-61708	
	27th Avenue Solid Waste Management Facility	3060 S 27th Ave Phoenix, AZ 85009		AZMSG-62581	
	SR 85	28361 W Patterson Rd Buckeye, AZ 85326		AZMSG-14391	
	North Gateway Transfer Station	30205 N Black Canyon Hwy, Phoenix, AZ 85085		AZMSG-61710	
Aviation	Sky Harbor International Airport	3400 E Sky Harbor Blvd, Ste 3300 Phoenix, AZ 85034	Environmental Quality Specialist Lisa Farinas 602-273-2787	AZMSG-66063	
	Deer Valley Airport	702 W Deer Valley Rd Phoenix, AZ 85027		AZMSG-66017	
	Phoenix/Goodyear Airport	1658 S Litchfield Rd Goodyear, AZ 85338		AZMSG-61934	
Water Services	91st Avenue Wastewater Treatment Plant	5616 S 91st Ave Tolleson, AZ 85353	Environmental Quality Specialist Doug Taylor 602-534-5081	AZMSG-61871	
	23rd Avenue Wastewater Treatment Plant	2470 S 22nd Ave Phoenix, AZ 85009		AZMSG-61896	
	Cave Creek Water Reclamation Plant	22841 N Cave Creek Rd Phoenix, AZ 85024		AZMSG-61713	
City Clerk	Customer Service Center (Print Shop)	2640 S 22nd Ave Phoenix, AZ	Environmental Quality Specialist Steve Carsberg 602-534-1778	AZRNED-670	No Exposure Certification September 2010

Note: The City previously submitted Sector L Closure Certifications for 15 city properties located on closed landfill sites (three of which were previously owned/operated by the City), which are not covered under the AZPDES Multi-Sector General Permit.

➤ **Status of all inventories, maps, and map studies required by the permit to be developed including completion dates.**

The stormwater GIS database conversion project has been completed. The data are being shared as a web service that is hosted on the Enterprise ArcGIS Server and shared for all city staff to access.

The City considers the storm drains to be protected critical infrastructure. As such, the City has not provided a copy of the GIS maps as an attachment. However, the maps are available for review by ADEQ upon request.

➤ **For the Outfall inspection program, describe the status of:**

○ Staff training

Outfall inspection training is described in Section H.

○ Outfall inventory

The outfall inventory is described in Section H.

○ Inspection tracking system

The outfall inspection tracking system is described in Section H.

○ Overview of Inspection and screening procedures, and any significant findings

Inspection and screening procedures and findings are discussed in Section H.

E. Industrial Facilities

➤ **Status of identification and inventory of these facilities.**

The City purchases access to an inventory of businesses from Infogroup, a database marketing firm. The data indicate that the City currently has over 3,000 industrial facilities. The City also included information on select commercial facilities such as restaurants, garages, and gasoline stations in the inventory. With the addition of these select commercial businesses, the current database contains more than 7,500 facilities. Inspectors also focus on facilities that submit federal Toxic Release Inventory reports, facilities that generate Resource Conservation and Recovery Act (RCRA) hazardous waste, treatment storage and disposal facilities (TSDFs), and non-municipal solid waste facilities throughout the City.

Because lead and copper have been identified in wet-weather samples in quantities exceeding surface water quality standards, facilities that use or store lead or copper have been identified for priority inspections. This fiscal year, the City also included facilities located in the catchment area of outfall SR20 (located at 24th Street and the Salt River) as a priority due to several industrial fires in this area over the past two years.

In addition to the industrial inspections, the City has incorporated a stormwater assessment into many of the inspections conducted by the Commercial Section. Stormwater assessments are conducted at commercial businesses including restaurants, car washes, and service stations. When significant stormwater issues are noted, the Commercial Inspector forwards the information to the Stormwater Section for follow-up. Stormwater inspections are also conducted by the Industrial Pretreatment Program (IPP) inspectors when they do their annual inspection for IPP permit compliance.

➤ **An overview of inspection findings and note significant findings.**

In FY2014/2015, the City conducted 780 industrial and commercial stormwater inspections and issued 171 enforcement letters.

The most common violation identified continues to be a failure to develop a SWMP or SWPPP, as required by City code. For those facilities that have the potential to release pollutants to the MS4, the City ordinance requires that each facility develop and implement a SWMP containing facility-specific BMPs. Most stormwater issues noted during commercial (e.g., restaurant) inspections involved housekeeping related issues that were easily corrected (e.g., spills around tallow bins and open dumpsters).

➤ **Corrective and enforcement actions needed and taken in response to inspections.**

Formal enforcement actions included Compliance Inspection Notices (171), NOVs (16), and Show Cause meeting notices (2). Most enforcement actions were resolved quickly, with over 99 percent of all industrial inspections closed within one year of the initial inspection.

As stated above, the Stormwater Management Section issued two 'Show Cause' meeting notices this Fiscal Year. A 'Show Cause' meeting is typically the last step in the enforcement process, when previous efforts to bring the facility into compliance are unsuccessful. The facility is asked to enter into a settlement agreement and penalties may be assessed. The following facilities received Show Cause notices:

- **DS Waters/Sparkletts:** On September 3, 2014 the DS Waters/Sparkletts facility discharged process water from their RO Production Systems into City of Phoenix storm drains. An NOV was issued to cease and desist from further discharge immediately. A show cause meeting was held to determine punitive action; the facility was assessed a monetary penalty of \$74,900.00 and had 30 days to update their facility SWMP. A revised SWMP was received and a Compliance Closure Letter was issued.
- **BC Tool Grinding Inc.:** This facility failed to develop and implement a SWMP. A Show Cause meeting was scheduled for September 23, 2014. BC Tool Grinding failed to attend the show cause meeting. The Chief Water Quality Inspector and the city's legal counsel were working to issue BC Tool Grinding a citation to appear at Municipal Court. Before the citation could be issued, BC Tool Grinding submitted a SWMP and completed the required changes to the facility. WSD decided not to pursue the citation. A closure letter was issued on November 10, 2014.

F. Construction Program Activities

The City of Phoenix Stormwater Policies and Standards Manual requires retention areas for buildings to account for drainage collected from the roof tops, parking lots, and other drainage areas. When the PDD reviews grading plans, staff ensure that the site retention volume is adequate to prevent runoff for the required storm event. If inspectors find that the plans are not being followed, they may stop work on the project. If the problem continues, court-ordered injunctions may be served or civil penalties assessed.

Chapter 32A, the City's Grading and Drainage Ordinance, establishes minimum requirements for regulating grading and drainage and establishes implementation and enforcement procedures. Grading and Drainage Permits are issued to applicants who fulfill the application requirements, including the submittal of a SWMP, when applicable. Activities

regulated by the Grading and Drainage Ordinance are subject to inspection and enforcement action. Enforcement steps begin with a verbal warning, and may lead to a written warning, halting project inspections on the building, and/or a civil citation. The PDD Civil and Site Inspection team includes 17 members tasked with enforcing the ordinance.

Staff from PDD hold pre-construction meetings with private developers to discuss many issues, including on-site retention of stormwater, controlling erosion, and the installation of other BMPs. Communications with developers occur during periodic observations by inspection staff and during formal inspections.

An overview of the PDD process for stormwater related submittals is provided below:

- The customer submits grading/drainage and stormwater plans for review
- PDD provides red lines on plans
- The customer addresses the red lines
- Plans are approved for construction by PDD
- The customer applies for required permits
- Permits are created by PDD, including Civil Grading & Drainage and Civil Stormwater
- PDD office staff obtain a copy of the Arizona Pollutant Discharge Elimination System (AZPDES) Construction General Permit authorization number before the customer can purchase permits
- The customer schedules a Pre-Construction Meeting prior to beginning work
- BMPs are implemented by the customer prior to the start of construction
- Inspector verifies that track out and BMPs are properly maintained during each inspection
- The customer submits an Notice of Termination (NOT) when the project is completed
- Warranty inspection is performed by PDD, one-year after completion.

➤ **Status of inventory/plan review of these facilities.**

The PDD database contains a comprehensive inventory of developments for which permits have been issued, plans have been reviewed, and inspections have been conducted. The permits are categorized in the database according to the type of work requested to be performed. In reporting year FY2014/2015, 335 Construction/Grading Plans were reviewed.

➤ **An overview of Inspection findings and significant findings.**

Inspection findings are documented in the PDD database. During FY2014/2015, a total of 353 construction sites were inspected for stormwater. There were 54 permits with noted deficiencies where corrective action was requested at least one time, along with seven that required multiple requests to achieve compliance. The counts specific to the three types of deficiencies listed below are:

- 24 – Stormwater controls missing, not per plan, or started work without notification
- 35 – Track out control not working
- 59 – Failure to maintain stormwater controls

Some linear and utility municipal construction projects are not subject to PDD's stormwater permitting process and are inspected by either OEP or WSD staff to ensure BMPs and

compliance with the local stormwater ordinance. There were twelve documented deficiencies at six of the ten municipal projects inspected, including administrative violations and missing or insufficient sediment controls such as around perimeter of material stockpiles not actively being worked.

➤ **Corrective and enforcement actions needed and taken in response to inspections.**

Most documented deficiencies, as discussed above, were corrected by the next day. Twelve written notices were issued. No other escalated enforcement was required to bring projects into compliance (i.e., suspension of work), and most violations were corrected upon first request. For municipal projects, inspection reports showing the specific deficiencies are sent to project managers who work with the contractor to correct the problem and send follow-up documentation that deficiencies have been corrected. For the six municipal projects with findings in 2014/15, all deficiencies were corrected promptly and additional enforcement steps were not necessary.

PDD requires that the developer provide a “letter of explanation” when they cannot obtain a NOT at the end of the project. These are forwarded to ADEQ twice a year. In FY2014/2015, PDD did not have any projects that could not obtain a NOT.

Staff Training: The PDD Municipal Stormwater Inspection Training for Construction Inspectors trains plan review and inspection staff on administrative procedures (Notice of Intent and SWPPP), compliance, and appropriate BMPs to reduce pollution from construction activities.

Details on training dates and number of attendees are included in Section C.

G. Post Construction Controls

➤ **Summary of any new post-construction controls for municipal projects.**

The City requires that stormwater retention areas be sized to contain the volume of water required by the latest (December, 2013) edition of the *Storm Water Policies and Standards Manual*. Currently, the standard requires retention of the 100-year, 2-hour duration storm, except in those areas exempted by law or excluded in a technical appeal process.

The Phoenix City Council adopted “Green Building” Guidelines to design and build all new bond-funded municipal buildings to the U.S. Green Building Council’s Leadership in Energy and Environmental Design (LEED) Certified standard in 2005.

Hatcher Road Project – In 2014/15, a right-of way easement improvement project along Hatcher Road from Central to Third Street was completed. The project incorporated permeable pavement for portions of the sidewalk and Silva cells for tree planting, to promote healthy tree root development and increased stormwater absorption.

Roosevelt Avenue Improvements – Recent improvements, completed in 2014/15 to Roosevelt Avenue between Central and 4th Street include reduced road width, the use of pervious pavements for wider sidewalks, and enhanced tree root planting zones. All of these contribute towards a reduction in stormwater runoff. The non-profit 501(c)(3) organization, Watershed Management Group, has also worked with volunteers to install stormwater harvesting basins along some of the intersecting smaller residential streets in the area.

7th Street and Fillmore Curb Cuts and Retention Basin – An easement at 7th Street and Fillmore was retrofitted with curb cuts and a bioretention basin in 2014/15, in conjunction with construction of University of Arizona’s new Cancer Center clinic.

➤ **An overview of the City’s post-construction inspection program.**

PDD inspectors conduct a one-year warranty inspection on each construction project within their jurisdiction. This inspection provides an opportunity to identify corrective action to be implemented by the developer or responsible sub-contractor for a variety of items, including stormwater and grading and drainage controls.

For municipal projects not subject to PDD’s stormwater permit program, OEP or WSD staff conducts post-construction stormwater inspections within one year of the project completion.

During FY2014/15, post-construction stormwater inspections were conducted by PDD at 130 private construction projects and by OEP or WSD at six municipal construction projects. The municipal post-construction inspections had zero findings.

➤ **Corrective and enforcement actions needed and taken in response to post-construction inspections.**

The PDD database contains directives for items identified for follow-up during the warranty inspection.

➤ **Summary of any new or revised post-construction requirements related to permits the City issues.**

No new or revised post-construction requirements were identified by PDD personnel.

H. Outfall inspection program; describe the status of

➤ **Staff training.**

Stormwater staff members are trained on sampling procedures and techniques when they are assigned to the Outfall Inspection rotation, typically within the first year of employment. As part of this, they are required to familiarize themselves with the applicable Code of Federal Regulations at 40 CFR 122 and 40 CFR 136 and the Standard Operating Procedures (SOPs) concerning sampling and Quality Assurance/Quality Control (QA/QC). Refresher training is provided informally throughout the year and formally at least once every two years.

Details on training dates and number of attendees are included in Section C.

➤ **Outfall inventory.**

The City maintains a database to document stormwater outfalls. The inventory includes approximately 799 total outfalls this fiscal year with 497 of these designated as “Major” outfalls according to Environmental Protection Agency (EPA) guidelines. Twenty-seven outfalls are designated as “priority,” either due to observed flow within the past five years, or because they discharge to the impaired segment of the Salt River. The outfall inventory is included as an attachment to this report. (Note: The inventory in the attachment includes 4 outfalls that were added in July of 2015.)

➤ **Inspection tracking system.**

Each outfall inspection is conducted by a trained team of inspectors who use a form specifically designed to capture the data as they are observed. Once the inspection is completed and the inspectors return to the office, all data are entered into a database created exclusively for the stormwater program. Entered data include the documentation and tracking of all (both major and minor) outfall inspections. All items required in 40 CFR 122 are found on the form including both visual and field screening activities.

➤ **Inspection and screening procedures and significant findings.**

The inspection crew visits each “priority” outfall annually and the remaining major outfalls at least once during the five-year permit cycle. The inspection begins with an overall visual observation of the outfall structure and surrounding area. Visual items are noted such as residue, staining, dead animals, and differences in plant life near the outfall. If a flow (greater than 0.03 gallons per minute) is observed, a sample is collected for the field screening activity. Field screening includes pH, temperature, total chlorine, sulfide, ammonia, phenol, detergent, lead, and copper. All observations are recorded on a standard inspection checklist.

In FY2014/2015, staff inspected major outfalls along the Arizona Canal, Cave Creek Wash, Grand Canal, Skunk Creek Wash, and the Salt River. All priority outfalls were inspected, regardless of location.

Fifteen outfalls had two days of consecutive dry-weather flow, which triggered the field screening process at those locations. Fifteen IDDE investigations were initiated based upon the results of those field screening activities and flow amounts.

I. Description of any new or revised ordinances, rules or policies related to stormwater management or control, if applicable.

- **Walkable Urban (WU) Code.** The city’s Walkable Urban (WU) Code was adopted at the July 1, 2015 Formal meeting by City Council with a vote of 8-1. The Code, which was developed as part of the light-rail corridor revitalization initiative, Reinvent Phoenix, encourages the use of low-impact development and green-infrastructure practices to meet the newly developed landscape standards within the Code. Overall, the new WU Code encourages walkability, use of mass transit, and supports additional livability principles through the incorporation of trees, shade, and other natural systems. A copy of the code is included as an attachment.

- **Complete Streets Design Manual** – Per City Ordinance adopted by City Council, during 2014/15, a Complete Streets Advisory Board, consisting of community stakeholders appointed by each Council District and the Mayor's office worked to accomplish several goals, including development of a draft Complete Streets Design Manual. The draft Design Manual includes a chapter providing guidance on use of green infrastructure and low-impact development principles in the right of way for stormwater management. The guidance was primarily adopted from, with permission, Watershed Management Group's *Green Infrastructure for Southwestern Neighborhoods (2012)*. Other design principles in the manual include improvement of pedestrian and bicycle safety and access and incorporation of street amenities like street furniture and shade accommodation. The draft manual is expected to be presented to City Council for adoption no later than November, 2015.

J. Fiscal Expenditures; provide a brief report on expenditures related to implementation of the City's stormwater program for the previous fiscal year.

The City collects a stormwater fee to defray the costs of operating the stormwater management program.

Stormwater program charges from STD, WSD, and OEP are paid out of the Stormwater Fund. The fee does not cover the costs for most maintenance of the drainage system or infrastructure improvements, nor does it cover ancillary stormwater activities, such as street sweeping or the HHW program. Stormwater program costs for PDD are funded by construction permit fees.

Water Services Department

WSD coordinates the City's Stormwater Program. In addition to overall program administration, WSD conducts stormwater outreach, complaint investigations, outfall inspections and IDDE investigations, industrial inspections, wet-weather monitoring, and reporting.

The budget for the Section was \$1,867,870 in FY2014/2015, and included over \$290,000 for a new stormwater database.

Street Transportation Department

STD conducts storm drain maintenance and inspections, wash maintenance, and is responsible for the stormwater GIS. The stormwater budget for STD was \$1.89 million in FY2014/2015. The budget included more than \$1.3 million for wash maintenance and approximately \$0.5 million for the stormwater GIS.

Office of Environmental Programs

OEP conducts environmental assessments of municipal facilities and operations and oversees the stormwater training plan. OEP also advises city departments on regulatory compliance issues. In FY 2010/2011, OEP assumed responsibility for conducting stormwater inspections for those municipal construction and post-construction projects which did not go through the PDD permit process. Additionally, WSD began inspecting its own construction projects for stormwater compliance in 2011/2012. The stormwater operating expenditures for OEP was \$119,024 in FY2014/2015. An additional \$240,853 was spent on capital improvement projects.

Planning and Development Department

PDD conducts grading and drainage plan reviews and inspections. PDD costs are covered by construction permit fees, and their budget may vary significantly depending on the

number of permitted construction projects. The stormwater budget for PDD in FY2014/2015 was over \$910,000.

Table 3-3
Stormwater Management Program Fiscal Expenditures

City of Phoenix Department	Fiscal Year 2014/2015 Actual	Fiscal Year 2015/2016 Projected
Water Services Department		
Stormwater Program Support	\$1,867,870	\$1,928,314
Street Transportation Department		
Wash Maintenance	\$1,390,860	\$1,564,649
Geographic Information System	\$496,057	\$614,705
Planning and Development Department		
Grading and Drainage – Plan Review	\$675,771	\$682,500
Grading & Drainage – Inspections	\$235,172	\$237,500
Office of Environmental Programs		
Stormwater Program Support	\$119,024	\$140,290
Capital Improvement Projects	\$240,853	\$250,000

PART 4: SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES (NUMERIC)

Provide a summary of stormwater management practices and activities performed each year as indicated in the Table below.

STORMWATER MANAGEMENT PRACTICE OR ACTIVITY	ANNUAL REPORTING YEAR (July 1-June 30)						
	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Illicit Discharge Detection & Elimination Program							
1. Municipal Employee Training							
Number of training sessions (on non-stormwater discharges and the IDDE program)	2	55	41	37	34	20	9
Number of employees attending training	385	852	610	754	726	515	302
2. Spill Prevention							
Number of municipal facilities identified with hazardous materials	444	353	337	326	307	303	301
Number of spills at municipal facilities with hazardous materials, that occurred in outside areas	0	0	0	0	2	2	1
Number of Facility Assessments completed* <i>(*identify any issues found requiring follow-up in narrative and summarize new practices to minimize exposure)</i>	46	115	123	98	120	107	112
Date of last review of HMMP* <i>(*Identify committee participant with stormwater expertise in narrative)</i>	06/2009	06/2010	06/2011	06/2012	06/2013	06/2014	05/2015
3. Outfall Inspections							
Total Number inspected* <i>(*attach or forward electronic copy of inventory or map of major out falls and priority outfalls)</i>	136	127	201	185	202	170	214
Number of 'Priority Outfalls' identified to date* <i>(*summarize findings and follow-up actions in narrative)</i>	40	40	39	38	38	31	27
Number of 'Priority outfalls' inspected* <i>(*summarize findings and follow-up actions in narrative)</i>	40	40	39	38	38	31	27
Number of dry weather flows detected	29	13	11	14	18	10	15
Number of dry weather flows investigated	8	12	11	11	18	10	15
Number of major outfalls sampled	29	13	11	14	18	10	15
Number of illicit discharges identified	3	0	5	7	4	1	6
Number of illicit discharges eliminated	0	0	3	3 ^c	3 ^c	1	2
Amount of storm drain inspected (length)	6.4 miles	0.3 miles	0.5 miles	0.17 miles	0.61 miles	.076 ^e	3.8 miles
Number of storm drain cross connection investigations	14 ^a	31	0	0	0	0	1

STORMWATER MANAGEMENT PRACTICE OR ACTIVITY	ANNUAL REPORTING YEAR (July 1-June 30)						
	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Number of illicit connections detected	0	0	0	3	0	1	1
Number of illicit connections eliminated	0	0	0	1	2	1	0
Number of corrective or enforcement actions initiated within 60 days of identification	0 ^a	0	N/A	2	1	1	1
Percent of cases resolved within 1 calendar year of original Level One action*	N/A	N/A	N/A	N/A ^d	100	90% ^f	100%
Number of illicit discharge reports received from public	230	282	294	224	236	213	195
Percent of illicit discharge reports responded to	99%	100%	93%	100%	99%	100%	100%
Percent of responses initiated within 15 days of receipt	98%	99%	100%	100%	100%	100%	98%
Municipal Facilities							
1. Employee Training							
Number of training events* (*dates and topics to be included in narrative)	21	97	59	86	77	48	484
Number of staff trained	835	1709	1833	1509	2416	1208	1354
2. Inventory/Map/Database of MS4 Owned & Operated Facilities							
Total number of facilities on inventory	444	353	337	326	307	303	301
Date identification of "high risk" facilities completed			06/30/2011	06/30/2011	6/30/2011	6/30/2011	6/30/2011
Date prioritization of municipal facilities completed			06/30/2011	06/30/2011	6/30/2011	6/30/2011	6/30/2011
3. Inspections							
Miles of MS4 drainage system prioritized for inspection	0	0 ^b	0 ^b	0 ^b	0 ^b	0 ^b	0 ^b
Miles visually inspected	6.4	0.3	0.5	0.17	0.61 (city) 12.66 (contractor)	9.55	14.08
Number of 'high risk' municipal facilities inspected	0	0	0	23	38	12	24
Number of 'high risk' municipal facilities found needing improved stormwater controls	0	0	0	4	11	6	8
4. System Maintenance							
Linear miles of drainage system cleaned each year* (*City to maintain records documenting specific street cleaning events)	181,778	166,675	152,396	150,087	116,413	176,970	146,315
Record amount of waste collected from street and lot sweeping (reported in tons)	22,996	14,065	13,553	12,970	14,198	12,386	16,120
Total number of catch basins	16,000	16,000	16,000	16,000	18,641	18,943	19,648
Number of catch basins cleaned	11,927	14,352	8,213	7,894	4,613	5,674	10,552

STORMWATER MANAGEMENT PRACTICE OR ACTIVITY	ANNUAL REPORTING YEAR (July 1-June 30)						
	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Industrial Sites Not Owned by the MS4							
Number of training events for MS4 staff	0	6	1	3	2	2	1
Number of municipal staff trained	0	43	22	41	12	46	13
Number of industrial facilities on Part V.B. Inventory inspected	176	221	393	638	686	540	780
Number of corrective or enforcement actions initiated on industrial facilities	98	75	210	232	285	281	171
Percent of cases resolved within 1 calendar year of original Level One action	89%	87%	86%	95%	>95%	95%	99%
Construction Program Activities							
Number of training events for MS4 staff* (*include topics in narrative summary)	0	2	3	2	1	2	7
Number of municipal staff trained	0	35	59	36	4	20	28
Number of construction/grading plans submitted for review	363	98	95	90	153	164	335
Number of construction/grading plans reviewed	363	98	95	90	153	164	335
Number of construction sites inspected	363	403	322 26 (municipal)	320 22 (municipal)	334 14 (municipal)	344 19 (municipal)	353 10 (municipal)
Number of corrective or enforcement actions initiated on construction facilities* (*identify the type of actions in narrative summary)	Not Available	11	19 7 (municipal)	44 8 (municipal)	36 17 (municipal)	34 9 (municipal)	118 12 (municipal)
Post Construction Program Activities							
Number of post-construction inspections completed	122	111	126 23 (municipal)	96 28 (municipal)	82 12 (municipal)	91 14 (municipal)	130 6 (municipal)
Number of corrective or enforcement actions initiated for post-construction activities * (*identify the type of actions in narrative summary)	0	0	0 1 (municipal)	0 0 (municipal)	0 4 (municipal)	0 2 (municipal)	0 0 (municipal)

- (a) Revised.
- (b) The City does not measure linear miles of drainage system prioritized for inspection. Rather, these areas are listed by location. The lists are included in the SWMP, and updated annually.
- (c) Some of the illicit discharges investigated were found to be allowable under City Code and thus not eliminated.
- (d) Not applicable for 2011-2012. The cases have not been open for a full year from the initial corrective action date.
- (e) 400 feet of televised line was inspected under contract by Pro Pipe. The City did not have the ability to televise storm drain lines due to inoperative camera equipment.
- (f) The unresolved case involves an investigation where construction is ongoing for the light rail project. These modifications make tracking the discharge impossible. The investigation will resume after construction is completed.

PART 5: EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM

In accordance with Section 5.4 of the permit, provide an evaluation of the progress and success of the stormwater management program each year, including an assessment of the effectiveness of stormwater management practices in reducing the discharge of pollutants to and from the municipal storm sewer system.

Program Management

The Stormwater Working Group (Working Group), which includes representatives from WSD, STD, OEP, PDD, PWD, and Law, continues to meet on a monthly basis. The Working Group discusses ongoing issues, such as IDDE investigations, municipal stormwater projects, the GIS database, and stormwater training. An Executive Committee composed of Management from the five key departments meets quarterly to discuss the stormwater budget and any ongoing issues that require management decisions.

The City's Stormwater Management Program was audited by the EPA in September 2015. During the two day inspection, EPA audit covered the IDDE program, municipal facilities pollution pretention/good housekeeping practices, industrial and commercial facilities, and construction sites. The final report was issued on July 30, 2015. No deficiencies were identified, though a few recommendations were made to further improve the program. The City has evaluated these recommendations, and will make modifications to the program where warranted. The City has made significant improvements to the stormwater program over the permit term. The program has management's full support, and interdepartmental coordination is strong. The City is committed to continuing to enhance and improve the stormwater program. As such, we will continue to reevaluate and refine all aspects of the program to ensure that we satisfy the requirements of the Clean Water Act.

Public Education and Outreach

WSD has also been working to improve public education and outreach. The city continues to utilize the stormwater webpage, reach out to public schools, and participate in STORM. The Stormwater Management Section has also expanded the number of public outreach events attended, and works cooperatively with WSD Industrial Pretreatment Section to distribute stormwater materials during their outreach events.

The City commissioned a study to monitor residents' knowledge of storm drains and storm drain pollution. This year's study was conducted by telephone and included 400 interviews with heads of households. The study examined the following topics:

- Where does stormwater entering the storm drain end up?
- How serious is storm drain pollution?
- What contributes to storm drain pollution?
- Where should citizens report instances of illegal dumping?
- How do you personally dispose of wastes?
- Where would you find information on proper waste disposal?
- Are you aware of the stormwater public outreach program?

The Behavior Research Center performed this survey in April 2015 and has conducted similar surveys for the City since 1995. The results indicate that about two in five residents are aware that stormwater ends up in local rivers. This awareness level can be categorized as about the same as in the survey performed last year. Residents over 55 years old have

the greatest awareness of the final destination of stormwater discharges. Respondents viewed the seriousness of storm drain pollution about the same as in the previous two years. The mean rating was 6.4 (1-10 scale) from 6.5 in 2014 and 6.4 in 2013. Female respondents viewed the problem as more serious than male respondents. Pesticides, fertilizers, and lawn and garden debris were identified by the most residents as the greatest contributor to storm drain pollution, followed by automotive fluids such as oil, gasoline and brake fluids, chemicals and materials from industrial plants, household chemicals (detergents, paints, degreasers, and bleaches), chemicals and materials from construction sites, and animal wastes.

The number of Phoenix residents reporting that they dispose automotive fluids properly was 80%. Other household chemicals were reported to be disposed of properly only 29% of the time. Incidents of improper disposal are most likely to result in items being disposed of in the trash. Residents indicated that they primarily rely on the internet and city government to get information on how to dispose of waste properly; results in 2015 indicated that 41% of respondents would use the internet to get information compared with 34% in 2014, while 34% indicated that they would contact their city government for information in 2015 versus 37% in 2014. The highest number of residents, 37%, indicated that they would report illegal dumping to the police department. City government was the next most popular choice. These two responses have been consistently identified by residents since the survey program was first initiated.

In the 2015 survey, residents were asked how familiar they are with the city's public outreach program for stormwater. 13% indicated that they are familiar with the public outreach program compared to 10% of respondents in 2014, with male respondents over 55 years of age having the highest awareness (16%). Residents indicated that they believed that most effective methods of communicating stormwater messages would include social media communications on Facebook and Twitter, television reports, inserts in water bills, radio messages, and information on the City's website. Younger respondents indicated that television reports, followed closely by social media communications on Facebook and Twitter would be most effective.

Pollutant Load

Annual and seasonal pollutant load estimates have been calculated for pollutants identified in Section 7.4 of the City's AZPDES Permit. Total pollutant load estimates for all watershed basins within the Phoenix MS4 are presented in Part 11 of this report.

Through annexation, the City has acquired substantial new undeveloped land, primarily in the north. In order to integrate this new land into the load calculation and to provide a consistent basis for analysis, a watershed-based approach was developed and presented in the permit renewal application submitted in 2013.

City GIS staff acquired County land-use spatial data and combined them with sub-watershed boundaries developed by the Flood Control District of Maricopa County (FCDMC 2013). These sub-watershed boundaries are very similar to the Watershed Boundary Dataset 10-digit Hydrologic Unit Code (HUC), with exceptions made for local flood control and other man-made diversions (for example, White Tanks A Basin). Clipping these data to the City permit boundaries produced a watershed-based land-use map that was used to define 12 new areas, now sub-watersheds, used in the pollutant load estimate. Data from FY 2012-13 and FY 2013-14 are presented for comparison to the FY 2014-15 pollutant load analysis.

PART 6: STORMWATER MANAGEMENT PROGRAM MODIFICATIONS

In accordance with Section 5.5 of the permit, provide a description of modifications, if applicable, to the stormwater management program each year as follows:

1. **Addition of New BMPs:** Summarize the development and implementation of any new stormwater management practices or pollution controls each year.

No BMPs were added during this reporting year.

2. **Addition of Temporary BMPs:** Specify the occasions when these controls were initiated and terminated, and the perceived success of these temporary BMPs.

No temporary BMPs were added this reporting year.

3. **Increase of Existing BMPs:** Summarize modifications to existing stormwater management practices that increase the number of activities, increase the frequency of activities, or other increases in the level of implementation.

No existing BMPs were increased during this reporting year.

4. **Replacement of Existing BMPs:** Briefly summarize any replacements made with prior approval of ADEQ per section 5.5(4) of the permit.

The City's 12 stormwater basins were modified to reflect sub-watersheds provided by FCDMC. See Part 5 for additional information.

Programmatic Changes

The Working Group, with representatives from five departments, continues to meet on a monthly basis. The Executive Committee meets quarterly to review program goals and resources.

WSD had several stormwater program improvements, including:

Purchasing seven new (replacement) wet-weather monitoring stations, which will be installed in early FY15/16.

Purchasing a new (replacement) camera van for televising the storm drain system.

Contracting with a consultant to develop a new stormwater database to track and record stormwater compliance activities such as industrial facility inspections, IDDE inspections, and outfall inspections. The contract was finalized in late FY14/15, and work will begin in FY15/16.

No other significant programmatic changes were made this fiscal year.

Note: Modifications to reduce number of stormwater management practices or activities, frequencies, time frames, level of implementation, or any other program standard specified in Appendix A of the permit requires permit modification (refer to Section 5.6 of the permit).

PART 7: MONITORING LOCATIONS

For the year one Annual Report, provide a brief description of each stormwater monitoring location (outfall), including the following information. For subsequent Annual Reports, advise if any of the information has changed or is updated.

No changes to the stormwater monitoring locations were made in FY2014/2015. However, improvements were made to access the monitoring station SR30, which was damaged during a September 2014 storm event.

The monitoring sites are described on the following pages. The information for each site corresponds to the requirements in Part 7 of Appendix B of the Permit. Latitude and longitude coordinates have been revised for some outfalls. Land-use data and catchment area information are approximate values based on a review of the available data and best engineering judgment. Maps of the drainage areas are included as an attachment to this report.

Note: Modifications to monitoring locations shall not be implemented without permit modification.

Name and Description of Receiving Water

Arizona Canal Diversion Channel (ACDC)

Outfall Identification Number

AC33

Address/Physical Location of the Site

Dunlap and 7th Avenue just south of Hatcher

Latitude/Longitude

33° 34' 8.016 "

-112° 4' 58.348"

Discharge Structure

60-inch box outlet

Size (acres) of Drainage Area

1084 acres

Land Uses

Industrial	0.5%
Commercial	9.9%
Open Land	17.9%
Institutional	4.2%
Residential	49.8%
Heavy Residential	2.1%
Pavement	13.1%
Miscellaneous	2.5%



Type of Monitoring Equipment

Campbell Scientific Instruments CR10 datalogger and SM192 storage module; Sierra Misco Environmental model 2500 tipping bucket; Druck PDCR 940 pressure transducer; Isco Environmental model 3700 pumping sampler; and Motorola MC310 cellular phone (analog phone service terminated in February 2008).

Name and Description of Receiving Water

Indian Bend Wash

Outfall Identification Number

IB08

Address/Physical Location of the Site

12499 North 40th Street

Latitude/Longitude

33° 35' 58.218 "

-111° 59' 44.292"

Discharge Structure

66-inch round inlet pipe (original)
discharging to two 30-inch outlet pipes

48-inch round inlet pipe (new in 2005)
discharging to one 48-inch outlet pipe

Size (acres) of Drainage Area

804.5 acres

Land Uses

Industrial	0.6%
Commercial	5.3%
Open Land	1.8%
Institutional	6.0%
Residential	63.0%
Heavy Residential	3.3%
Utilities	0.7%
Pavement	13.1%
Miscellaneous	6.2%



Type of Monitoring Equipment

Sigma tipping bucket; Sigma integral area velocity flow meter; Sigma model 900 MAX pumping sampler; and hard-wired telephone.

Name and Description of Receiving Water

Salt River

Outfall Identification Number

SR03

Address/Physical Location of the Site

3501 West Elwood Street

Latitude/Longitude

33° 24' 43.025"

-112° 8' 5.004"

Discharge Structure

75-inch round pipe

Size (acres) of Drainage Area

1886 acres

Land Uses

Industrial	7.5%
Commercial	16.1%
Transportation	1.0%
Open Land	9.8%
Institutional	18.1%
Residential	26.1%
Heavy Residential	2.6%
Utilities	0.5%
Pavement	9.1%
Miscellaneous	9.3%



Type of Monitoring Equipment

Campbell Scientific Instruments CR10 datalogger and SM192 storage module; Sierra Misco Environmental model 2500 tipping bucket; Druck PDCR 940 pressure transducer; Isco Environmental model 3700 pumping sampler; and Motorola MC310 cellular phone (analog phone service terminated in February 2008).

Name and Description of Receiving Water

Salt River

Outfall Identification Number

SR30

Address/Physical Location of the Site

27th Avenue at the Salt River (south bank)

Latitude/Longitude

33° 24' 31.447"

-112° 06' 59.142"

Discharge Structure

108-inch round pipe

Size (acres) of Drainage Area

1620 acres

Land Uses

Industrial	9.58%
Commercial	22.33%
Open Land	21.72%
Institutional	2.03%
Residential	30.28%
Heavy Residential	0.24%
Pavement	6.33%
Miscellaneous	7.47%



Type of Monitoring Equipment

Campbell Scientific Instruments CR10 datalogger and SM192 storage module; Sierra Misco Environmental model 2500 tipping bucket; Druck PDCR 940 pressure transducer; Conoflow and pressure-regulator system; Isco Environmental model 3700 pumping sampler; and Motorola MC310 cellular phone (analog phone service terminated in February 2008).

Name and Description of Receiving Water

Salt River

Outfall Identification Number

SR45

Address/Physical Location of the Site

2401 South 40th Street

Latitude/Longitude

33° 25' 34.082"

-111° 59' 44.274"

Discharge Structure

54-inch round pipe

Size (acres) of Drainage Area

879.7 acres

Land Uses

Industrial	42.6%
Commercial	30.5%
Transportation	3.0%
Open Land	8.4%
Institutional	10.5%
Residential	0.2%
Heavy Residential	0.0%
Utilities	0.9%
Pavement	7.2%
Miscellaneous	7.2%



Type of Monitoring Equipment

Campbell Scientific Instruments CR10 datalogger and SM192 storage module; Sierra Misco Environmental model 2500 tipping bucket; Druck PDCR 940 pressure transducer; Conoflow and pressure-regulator system; Isco Environmental model 3700 pumping sampler; and Motorola MC310 cellular phone

Name and Description of Receiving Water

Salt River

Outfall Identification Number

SR49

Address/Physical Location of the Site

5400 South 67th Avenue

Latitude/Longitude

33° 24' 0.510"

-112° 12' 15.095"

Discharge Structure

96-inch round pipe

Size (acres) of Drainage Area

4761.9 acres

Land Uses

Industrial	24.3%
Commercial	11.1%
Transportation	0.6%
Open Land	20.8%
Institutional	3.2%
Residential	20.9%
Heavy Residential	1.0%
Utilities	0.6%
Pavement	6.4%
Miscellaneous	11.2%



Type of Monitoring Equipment

Campbell Scientific Instruments CR10 datalogger and SM192 storage module; Sierra Misco Environmental model 2500 tipping bucket; Druck PDCR 1830 pressure transducer; Isco Environmental model 3700 pumping sampler; and Motorola MC310 cellular phone (analog phone service terminated in February 2008).

Name and Description of Receiving Water

Skunk Creek Wash (Tributary to New River)

Outfall Identification Number

SC046

Address/Physical Location of the Site

35206 North 27th Avenue

Latitude/Longitude

33° 48' 11.171"

-112° 7' 7.380"

Discharge Structure

Three 36-inch round pipes

Size (acres) of Drainage Area

46 acres

Land Uses

Industrial	0.0%
Commercial	0.0%
Transportation	0.0%
Open Land	2.8%
Residential	86.9%
Heavy Residential	0.0%
Pavement	10.4%



Type of Monitoring Equipment

Automated composite sampler (Isco Environmental model 3700 or equivalent), a Sierra Misco rain gauge, and a flow meter for depth and flow measurement.

PART 8: STORM EVENT RECORDS

For each outfall identified in Part 7.0, Table 1.0 of the permit, summarize all measurable storm events (greater than 0.1 inch rainfall) occurring in the drainage area of each outfall within the winter and summer wet seasons, respectively, until samples have been collected for the outfall. Include the date of each event, the amount of precipitation (inches) for each event, and whether a sample was collected, or if not collected, information on the conditions that prevented sampling. (Note: If unable to collect stormwater samples due to adverse climatic conditions, provide, in lieu of sampling data, a description of the conditions that prevented sampling. Adverse climatic conditions which may prevent the collection of samples include weather conditions that create dangerous conditions for personnel, such as local flooding, high winds, electrical storms, etc.).

In accordance with 40 CFR Part 122.21(g) (7), the City AZPDES Permit Section 7.3.1 defines a representative storm as rainfall in the amount of 0.2 inches or more. The section further directs that "Stormwater samples shall be collected from discharges resulting from a storm event producing 0.2 inches or more of rainfall and at least 72 hours after the previously measured storm event (greater than 0.1 inch rainfall)." The definition of a representative storm event was modified in the 2009 permit so that more stormwater monitoring data might be collected during the new 5-year permit term.

The U.S. Geological Survey (USGS) conducts outfall monitoring under an intergovernmental agreement (IGA) with the City of Phoenix. There were representative storm events at all seven outfalls during both the reporting year's summer and winter wet seasons, as well as one event in late June 2015, resulting in the collection of fifteen sets of data from July 1, 2014 through June 30, 2015. Rainfall totals and sample collection information by outfall are provided in Table 8-1 in this section.

Storm events during which stormwater samples were collected are discussed by season below:

Summer Wet Season Sampling Summary

August 1, 2014: Grab and composite samples were collected from SR49.

August 2, 2014: Grab and composite samples were collected from SC046 and IB08.

August 12, 2014: Grab and composite samples were collected from AC33, SR03, SR30, and SR45.

June 30, 2015: Grab and composite samples were collected from IB08.

Winter Wet Season Sampling Summary

December 4, 2014: Grab and composite samples were collected from IB08, AC33, SC046, SR03, SR30, SR45, and SR49.

All reported data were validated by the USGS to ensure that the data quality objectives of the AZPDES program have been met. The data validation was reviewed by AECOM to determine whether the data and associated quality assurance and quality control (QAQC) information appear to be complete.

However, based on the QAQC presented, the analytical results appear to be generally usable for their intended purpose.

The following procedures were used in validating the data:

- Analytical methods used in the monitoring program were reviewed to assess the appropriateness of sample collection, transport methods, and holding times.
- Original laboratory reports and the corresponding chain of custody forms were reviewed to determine if quality assurance/quality control requirements were met. Evaluation criteria including holding times, duplicate results, field blank results, method blank results, matrix spike results, equipment calibration information, and sample collection and transport information (to the extent practical.)

Table 8-1
Storm Event Data for Reporting Year 2014-2015

	Date	Outfall IB-08	Rainfall inches	Outfall SR-49	Rainfall inches	Outfall SR-45	Rainfall inches	Outfall SR-03	Rainfall inches	Outfall SR-30	Rainfall inches	Outfall AC-33	Rainfall inches	Outfall SC-46	Rainfall inches
Summer 2014 (June 1 – October 31)	7/3/2014	-	-	NR	0.14	-	-	-	-	-	-	-	-	-	-
	7/13/2014	-	-	-	-	-	-	-	-	-	-	-	-	NR	0.12
	7/14/2014	-	-	-	-	-	-	-	-	-	-	NR	0.11	-	-
	7/23/2014	-	-	-	-	-	-	NR	0.11	NR	0.15	-	-	-	-
	7/26/2014	NR	0.16	-	-	-	-	-	-	-	-	-	-	NR	0.12
	8/1/2014	-	-	SC	0.26	-	-	-	-	-	-	NR	0.11	-	-
	8/2/2014	SC	0.59	-	-	-	-	-	-	-	-	72hr	1.03	SC	0.28
	8/11/2014	-	-	-	-	-	-	-	-	-	-	-	-	NR	0.14
	8/12/2014	NR	0.16	PS	1.48	SC	0.41	SC	0.40	SC	0.39	SC	1.29	PS, 72hr	0.82
	8/13/2014	NR, 72hr	0.12	-	-	NR, 72hr	0.14	-	-	-	-	NR, 72hr	0.15	PS	0.20
	8/19/2014	PS PS, 72hr	0.36 0.76	NR PS, 72hr	0.13 0.41/ 0.26	PS PS, 72hr	0.21 0.31	NR PS, 72hr	0.11 0.40/0.24	PS, 72hr	0.40/0.24	PS PS, 72hr	0.63 0.68/0.30	PS NR, 72hr	0.85 0.16
	8/21/14	NR, 72hr	0.16	NR, 72hr	0.11	PS, 72hr	0.20	-	-	-	-	-	-	-	-
	9/8/2014	PS	2.88	PS	4.50	PS	2.42	PS	1.75	PS	1.71	PS	2.88	PS	1.57

[illegible]

	Date	Outfall IB-08	Rainfall inches	Outfall SR-49	Rainfall inches	Outfall SR-45	Rainfall inches	Outfall SR-03	Rainfall inches	Outfall SR-30	Rainfall inches	Outfall AC-33	Rainfall inches	Outfall SC-46	Rainfall inches
Winter (November 1 – May 31)	12/4/14	SC	0.76	SC	0.60	SC	0.50	SC	0.60	SC	0.88	SC	0.77	SC	0.72
	12/13/14	PS	0.20	-	-	-	-	-	-	-	-	PS	0.22	-	-
	12/17/14	-	-	-	-	-	-	-	-	-	-	-	-	NR	0.18
	12/31/14	NR	0.16	-	-	-	-	-	-	-	-	NR	0.13	-	-
	1/12/15	-	-	-	-	-	-	-	-	-	-	NR	0.13	-	-
	1/13/15	-	-	-	-	-	-	-	-	-	-	-	-	NR	0.11
	1/29/15 to 1/30/15	NR	0.19	PS	0.37	PS	0.24	PS	0.59	PS	0.55	PS, 72hr	0.42	NR	0.16
	1/30/15	PS, 72 hr	0.24	NR, 72 hr	0.13	NR, 72 hr NR, 72 hr	0.13 0.19	-	-	-	-	-	-	NR PS, 72 hr	0.16 0.57
	2/23/15	-	-	-	-	-	-	-	-	-	-	-	-	NR	0.11
	2/28/15	-	-	-	-	-	-	-	-	-	-	-	-	PS	0.34
	3/2/15	PS	0.31	NR	0.12	PS	0.33	NR	0.14	PS	0.38	PS	0.32	PS, 72 hr	0.38
	3/3/15	-	-	NR	0.16	-	-	-	-	-	-	-	-	-	-
	3/19/15	PS	0.87	PS	0.28	-	-	PS	0.28	PS	0.21	PS	0.80	PS	0.55

KEY:

NR Not Representative (storm event of less than 0.2 inches)
SC Sample Collected
IS Insufficient Sample (for analysis)
IF Insufficient Flow (for sample collection)
NF No Flow
DC Dangerous Conditions
PS Previously Sampled (in Current Season)
72hr Occurred within 72 hours of another storm event.
RD Rain gage damaged

PART 9: SUMMARY OF MONITORING DATA (BY LOCATION)

Use a separate table for each outfall monitoring location. Provide the outfall identification number, the receiving water designated uses, and the lowest surface water quality standards applicable to the receiving water. Enter the analytical results for the stormwater samples collected for each season of the reporting period for each year. Enter subsequent monitoring data for each location on the same form. Include, as an attachment, the laboratory reports for stormwater samples.

OUTFALL ID: IB08 RECEIVING WATER: Indian Bend Wash DESIGNATED USES: PBC and A&We	MONITORING SEASONS																					
	Summer: June 1 – October 31 Winter: November 1 – May 31																					
	Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15		Summer 2015	
SAMPLING DATE(S):	SWQS	7/31/10	SWQS	12/16/10	SWQS	7/04/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	7/19/13	SWQS	11/22/13	SWQS	8/2/14	SWQS	12/4/14	SWQS	6/30/15
MONITORING PARAMETERS ^{1, 2}																						
Conventional Parameters																						
Flow ³ (cfs)	NS	19.44	NS	4.04	NS	91.8	NS	6.733	NS	8.73	NS	4.62	NS	1.223	NS	12.34	NS	9.4	NS	0.212	NS	5.341
pH	6.5-9	7.28	6.5-9	8.90	6.5-9	7.42	6.5-9	8.65	6.5-9	7.72	6.5-9	7.75	6.5-9	7.18	6.5-9	8.38	6.5-9	7.46	6.5-9	7.49	6.5-9	7.3
Temperature (°C)	Varies	27.5	Varies	18.5	Varies	27.0	Varies	11.2	Varies	29.0	Varies	16.5	Varies	31.0	Varies	15.5	Varies	30.5	Varies	17.0	Varies	29.0
Hardness (mg/L)	400	98	400	90.6	400	43.2	400	37.3	400	47	400	33.8	400	224	400	60.8	400	39.9	400	16.6	400	91.2
Total Dissolved Solids (TDS) (mg/L) ²	NS	160	NS	185	NS	144	NS	154	NS	136	NS	110	NS	674	NS	182	NS	92	NS	56	NS	274
Total Suspended Solids (TSS) (mg/L) ²	NS	290	NS	76.0	NS	510	NS	182	NS	280	NS	180	NS	279	NS	192	NS	212	NS	71.0	NS	252
Biochemical Oxygen Demand (BOD) (mg/L) ²	NS	49	NS	35.9	NS	31	NS	40	NS	29	NS	24	NS	123	NS	41	NS	17	NS	7	NS	67
Chemical Oxygen Demand (COD) (mg/L) ²	NS	240	NS	360	NS	270	NS	240	NS	220	NS	140	NS	600	NS	250	NS	110	NS	<50	NS	300

IB08	Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15		Summer 2015	
SAMPLING DATE(S):	SWQS	7/31/10	SWQS	12/16/10	SWQS	7/04/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	7/19/13	SWQS	11/22/13	SWQS	8/2/14	SWQS	12/2/14	SWQS	6/29/15
Inorganics																						
Cyanide, total (µg/L) ²	84	<5.0	84	<5.0	84	<5.0	84	<5.0	84	<5.0	84	<5	84	<50	84	<5	84	<5	84	<5	84	<5
Nutrients (mg/L) ²																						
Nitrate + Nitrite as N	NS	1.1	NS	1.14	NS	1.1	NS	1.0	NS	1.1	NS	0.9	NS	6.9	NS	1.3	NS	1.4	NS	0.4	NS	2.1
Ammonia as N	NS	1.8	NS	1.64	NS	1.3	NS	0.78	NS	1.2	NS	1.2	NS	3.7	NS	1.7	NS	1.7	NS	0.61	NS	2.7
Total Kjeldahl Nitrogen (TKN)	NS	6.9	NS	6.90	NS	6.9	NS	4.0	NS	6.6	NS	3.9	NS	15	NS	4.5	NS	3.1	NS	1.4	NS	7.7
Total Phosphorus as P	NS	1.2	NS	0.413	NS	1.7	NS	1.3	NS	1.4	NS	0.70	NS	0.83	NS	0.64	NS	0.44	NS	0.35	NS	0.82
Ortho-Phosphorus as P	NS	0.40	NS	0.190	NS	0.3	NS	0.3	NS	0.2	NS	0.2	NS	0.9	NS	0.3	NS	0.1	NS	0.1	NS	0.3

NOTES:
NS = no standard applicable to the designated use
T = Total
D = Dissolved
D^a = Result is assumed based upon a 1:1 ratio to total metals
T&D = Total and Dissolved
Bold text indicates a sample result greater than the SWQS.
Italicized text indicated a laboratory detection limit higher than the SWQS.

Footnotes

1

The Permittee shall report on any additional parameters that were monitored for seasonal stormwater sampling as required by Section 6.0 of this permit (Special Conditions).

2

Analytical results shall be reported in the units specified for each category or parameter.

3

Report the average flow rate for the sampling period (no more than 6 hours).

4

Standard for total PCBs of 11 µg/L A&We and 19 µg/L PBC.

5

SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

6

Results for cyanide were collected on 2/19/11 (SC046 on 2/27/11) due to missed hold time on previous samples.

7

The method blanks used by the laboratory contained the same concentration of Azobenzene as the outfall sample.

8

In reporting years 2008-2010, the SWQS for 1,2 diphenylhydrazine was listed. Since COP wet weather samples are analyzed as azobenzene and Arizona has no SWQS for azobenzene, the table now says NS.

9

The sample was lost during extraction at the laboratory due to the glassware breaking.

IB08	Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15		Summer 2015	
SAMPLING DATE(S):	SWQS	7/31/10	SWQS	12/16/10	SWQS	7/04/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	7/19/13	SWQS	11/22/13	SWQS	8/2/14	SWQS	12/2/14	SWQS	6/29/15
Microbiological																						
<i>Escherichia coli</i> (<i>E. coli</i>) (CFU/100 mg or MPN/100 mL) ²	575	8130	575	5380	575	>2,419.6	575	1,299.7	575	1,119.9	575	2,419.6	575	>2,419.6	575	>2,419.6	575	>2,419.6	575	>2,419.6	575	2419.6
Total Metals (µg/L) ²																						
Antimony	747 T	<25 T&D	747 T	<25 T&D	747 T	2.2 T 0.8 D	747 T	2.4 T 0.6 D	747 T	2 T 1.3 D	747 T	1.5 T 0.7 D	747 T	3.7 T 1.9 D	747 T	1.7 T 0.8 D	747 T	1.5 T 1.1 D	747 T	1.2 T 0.4 D	747 T	2 T <5 D
Arsenic	280 T 440 D	<10 T&D	280 T 440 D	<10 T&D	280 T 440 D	6.2 T 1.3 D	280 T 440 D	5.5 T 0.8 D	280 T 440 D	3.9 T 1.5 D	280 T 440 D	2.7 T 0.9 D	280 T 440 D	5.9 T 2.8 D	280 T 440 D	2.0 T 1.0 D	280 T 440 D	2.5 T 1.2 D	280 T 440 D	1.6 T 0.5 D	280 T 440 D	3.3 T <5 D
Barium	98,000 T	190 T 29 D	98,000 T	61 T 14 D	98,000 T	249 T 26 D	98,000 T	216 T 16 D	98,000 T	132 T 22 D	98,000 T	84 T 14 D	98,000 T	225 T 90 D	98,000 T	86 T 26 D	98,000 T	55 T 22 D	98,000 T	40 T 8 D	98,000 T	106 T 50 D
Beryllium	1,867 T	<2.0 T&D	1,867 T	<2 T&D	1,867 T	0.82T <0.15 D	1,867 T	0.65 T <0.06 D	1,867 T	0.39 T <0.15 D	1,867 T	0.28 T <0.15 D	1,867 T	0.46 T <0.15 D	1,867 T	<0.15 T <0.06 D	1,867 T	0.15 T <0.06 D	1,867 T	0.12 T <0.06 D	1,867 T	0.22 T <5 D
Cadmium	700 T 22.36 D	<3.0 T&D	700 T 20.70 D	<3 T&D	700 T 10.08 D	0.7 T <0.25 D	700 T 8.71 D	0.6 T <0.1 D	700 T 10.94 D	0.5 T <0.25 D	700 T 7.93 D	1.0 T 0.3 D	700 T 49.92 D	0.6 T <0.25 D	700 T 14.05 D	0.3 T <0.10 D	700 T 9.33 D	<0.30 T <0.12 D	700 T 3.67 D	<0.12 T <0.12 D	700 T 20.85 D	0.2 T <5 D
Chromium	NS	24 T <10D	NS	<10 T&D	NS	18.5 T <4.5	NS	20.8 T <1.8 D	NS	11.6 T <2.0 D	NS	7.2 T <2.00 D	NS	20.1 T 3.3 D	NS	5.9 T 1.0 D	NS	5 T 1 D	NS	3.7 T 0.4 D	NS	6.8 T <5 D
Copper	1,300 T 22.82 D	120 T 18 D	1,300 T 22.18 D	41 T <10 D	1,300 T 10.55 D	120 T 13.4 D	1,300 T 9.17 D	118 T 9.8 D	1,300 T 11.42 D	84.9 T 12.1 D	1,300 T 8.37	40.3 T 11.8 D	1,300 T 49.73 D	147 T 75.5 D	1,300 T 14.55 D	51.2 T 20.8 D	1,300 T 9.79 D	25.2 T 13.7 D	1,300 T 4.28 D	16.0 T 5.8 D	1,300 T 21.32	62.5 T 40.6 D
Lead	15 T 133.33 D	27 T 10 D	15 T 122.28 D	<10 T&D	15 T 54.06 D	40.3 T 1.4 D	15 T 45.76 D	35.9 T 0.4 D	15 T 59.38 D	42.5 T 0.8 D	15 T 41.11D	12.9 T 0.5 D	15 T 323.97 D	27.8 T 2.4 D	15 T 78.97 D	11.0 T 0.5 D	15 T 49.48 D	7.3 T 0.7 D	15 T 18.45 D	7.6 T 0.3 D	15 T 123.27	10.4 T < 5 D
Mercury	280 T 5 D	<0.2 T&D	280 T 5 D	<0.20 T&D	280 T 5 D	0.13 T <0.092D	280 T 5 D	<0.092 T&D	280 T 5 D	0.05 T <0.040 D	280 T 5 D	<0.040 T <0.040 D	280 T 5 D	0.06 T 0.037 D	280 T 5 D	<0.020 T <0.020D	280 T 5 D	<0.092 T <0.2 D	280 T 5 D	<0.092 T <0.092 D	280 T 5 D	<0.2 T <0.2 D
Nickel	28,000 T 4088 D	24 T <10D	28,000 T 3822 D	<10 T&D	28,000 T 2044 D	22.2 T 3.5 D	28,000 T 1,801 D	25.2 T 2.2 D	28,000 T 2,195 D	16.2 T 4.5 D	28,000 T 1,661 D	7.9 T 2.3 D	28,000 T 8,227 D	34.0 T 18.0 D	28,000 T 2,729.4 D	10.0 T 4.6 D	28,000 T 1,911 D	5.7 T 2.7 D	28,000 T 910.2 D	3.5 T 0.7 D	28,000 T 3,846	11.7 T 6.3 D
Selenium	33 T	<2.0 T&D	33 T	<2.00 T&D	33 T	<0.85 T&D	33 T	1.3 T 0.5 D	33 T	0.63 T 0.7 D	33 T	0.65 T 0.6 D	33 T	1.5 T 1.3 D	33 T	<0.60 T 0.3 D	33 T	0.64 T 0.4 D	33 T	0.25 T 0.1 D	33 T	0.99 T <5 D
Silver	4,667 T 3.11 D	<5.0 T&D	4,667 T 2.71 D	<5 T <5 D	4,667 T 0.76 D	0.2 T <0.2 D	4,667 T 0.62 D	0.4 T <0.2 D	4,667 T 0.88 D	0.3 T <0.15 D	4,667 T 0.496 D	<0.15 T <0.15 D	4,667 T 12.88 D	0.4 T <0.15 D	4,667 T 1.364 D	<0.15 T <0.15 D	4,667 T 0.667D	<0.20 T <0.20 D	4,667 T 0.146 D	<0.08 T <0.08 D	4,667 T 2.75	<0.25 T <5 D
Thallium	75 T	<0.5 T&D	75 T	<0.50 T&D	75 T	<0.2 T&D	75 T	<0.2 T <0.08 D	75 T	<0.20 T&D	75 T	<0.20 T <0.20 D	75 T	<0.20 T <0.20 D	75 T	<0.20 T <0.08 D	75 T	0.12 T <0.04 D	75 T	0.07 T <0.04 D	75 T	0.4 T <5 D
Zinc	280,000 T 1093 D	520 T 74 D	280,000 T 1023 D	115 T <50 D	280,000 T 546 D	387 T 22 D	280,000 T 481 D	377 T 12.1 D	280,000 T 587 D	336 T 25.6 D	280,000 T 443.8 D	148 T 16.2 D	280,000 T 2,202 D	362 T 109 D	280,000 T 729.8 D	211 T 61.6 D	280,000 T 510.9 D	77 T 19.2 D	280,000 T 242.8 D	63.3 T 8.4 D	280,000 T 1029	209 T 70 D
Organic Toxic Pollutants																						
Total Petroleum Hydrocarbons (TPH) (mg/L) ²	NS	<5.0	NS	<5.00	NS	<10	NS	<10	NS	<10	NS	<10	NS	<11	NS	<11	NS	<10	NS	<12	NS	<11
Total Oil and Grease (mg/L) ²	NS	<5.0	NS	<5.00	NS	<10	NS	<5	NS	<10	NS	5.3	NS	<5.6	NS	<5.7	NS	<5.0	NS	<6.0	NS	<5.6
VOCs, Semi-VOCs, & Pesticides (µg/L) ²																						
Acrolein	467	<50	467	<50.0	467	<0.37	467	<0.37	467	<0.293	467	<0.20	467	<2.0	467	<0.20	467	<2.00	467	<0.40	467	<3.90
Acrylonitrile	37,333	<5.0	37,333	<5.00	37,333	<0.17	37,333	<0.17	37,333	<0.226	37,333	<0.16	37,333	<1.6	37,333	<0.16	37,333	<0.70	37,333	<0.14	37,333	<2.65
Benzene	3,733	<0.50	3,733	<0.500	3,733	<0.46	3,733	<0.20	3,733	<0.75	3,733	<0.75	3,733	<1.20	3,733	<0.24	3,733	<1.20	3,733	<0.13	3,733	<0.65
Bromoform	18,667	<1.0	18,667	<0.500	18,667	<0.83	18,667	<0.25	18,667	<2.15	18,667	<2.15	18,667	<2.35	18,667	<0.47	18,667	<2.35	18,667	<0.28	18,667	<1.40

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T&D = Total and Dissolved
Bold text indicates a sample result greater than the SWQS.
Italicized text indicated a laboratory detection limit higher than the SWQS.

Footnotes

1 The Permittee shall report on any additional parameters that were monitored for seasonal stormwater sampling as required by Section 6.0 of this permit (Special Conditions).

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3 Report the average flow rate for the sampling period (no more than 6 hours).

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IB08	Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15		Summer 2015	
SAMPLING DATE(S):	SWQS	7/31/10	SWQS	12/16/10	SWQS	7/04/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	7/19/13	SWQS	11/22/13	SWQS	8/2/14	SWQS	12/2/14	SWQS	6/29/15
Carbon tetrachloride	1,307	<0.50	1,307	<1.00	1,307	<0.46	1,307	<0.31	1,307	<1.65	1,307	<1.65	1,307	<1.30	1,307	<0.26	1,307	<1.30	1,307	<0.23	1,307	<1.15
Chlorobenzene	18,667	<0.50	18,667	<0.500	18,667	<0.74	18,667	<0.25	18,667	<1.40	18,667	<1.40	18,667	<0.80	18,667	<0.16	18,667	<0.80	18,667	<0.13	18,667	<0.65
Chlorodibromomethane	18,667	<0.50	18,667	<0.500	18,667	<0.78	18,667	<0.21	18,667	<1.30	18,667	<1.30	18,667	<0.90	18,667	<0.18	18,667	<0.90	18,667	<0.24	18,667	<1.20
Chloroethane (ethyl chloride)	NS	<5.0	NS	<5.00	NS	<0.45	NS	<0.14	NS	<1.35	NS	<1.35	NS	<1.10	NS	<0.22	NS	<1.10	NS	<0.19	NS	<0.95
2-chloroethylvinyl ether	NS	<2.0	NS	<2.00	NS	<0.174	NS	<0.174	NS	<0.22	NS	<0.184	NS	<2.2	NS	<0.22	NS	<0.95	NS	<0.19	NS	<2.65
Chloroform	9,333	<0.50	9,333	<0.500	9,333	0.46	9,333	<0.40	9,333	<1.05	9,333	<1.05	9,333	<1.15	9,333	<0.23	9,333	<1.15	9,333	<0.14	9,333	<0.70
Dichlorobromomethane	18,667	<0.50	18,667	<0.500	18,667	<0.59	18,667	<0.23	18,667	<0.75	18,667	<0.75	18,667	<1.15	18,667	<0.23	18,667	<1.15	18,667	<0.15	18,667	<0.75
1,1-dichloroethane	NS	<1.0	NS	<1.00	NS	<0.43	NS	<0.18	NS	<0.65	NS	<0.65	NS	<1.30	NS	<0.26	NS	<1.30	NS	<0.19	NS	<0.95
1,2-dichloroethane	186,667	<1.0	186,667	<1.00	186,667	<0.49	186,667	<0.20	186,667	<0.80	186,667	<0.80	186,667	<1.25	186,667	<0.25	186,667	<1.25	186,667	<0.11	186,667	<0.55
1,1-dichloroethylene	46,667	<1.0	46,667	<1.00	46,667	<0.42	46,667	<0.23	46,667	<1.85	46,667	<1.85	46,667	<1.40	46,667	<0.28	46,667	<1.40	46,667	<0.27	46,667	<1.35
1,2-dichloropropane	84,000	<0.50	84,000	<0.500	84,000	<0.50	84,000	<0.22	84,000	<0.75	84,000	<0.75	84,000	<1.25	84,000	<0.25	84,000	<1.25	84,000	<0.18	84,000	<0.90
1,3-dichloropropylene	28,000	cis <1.0	28,000	<1.00	28,000	cis<0.57 trans<0.69	28,000	cis<0.19 trans<0/19	28,000	cis<0.50 trans<0.75	28,000	cis<0.50 trans<0.75	28,000	cis <1.20 trans <1.10	28,000	cis <0.24 trans <0.22	28,000	cis <1.20 trans <1.10	28,000	cis <0.13 trans <0.13	28,000	cis <0.65 trans <0.65
Ethylbenzene	93,333	<2.0	93,333	<2.00	93,333	<0.67	93,333	<0.27	93,333	<1.45	93,333	<1.45	93,333	<0.65	93,333	<0.13	93,333	<0.65	93,333	<0.15	93,333	<0.75
Methyl bromide	1,307	<5.0	1,307	<5.00	1,307	<0.47	1,307	<0.14	1,307	<0.95	1,307	<0.95	1,307	<0.95	1,307	<0.19	1,307	<0.95	1,307	<0.18	1,307	<0.90
Methyl chloride	NS	<5.0	NS	<5.00	NS	<0.43	NS	<0.20	NS	<1.85	NS	<1.85	NS	<1.40	NS	<0.28	NS	<01.40	NS	<0.23	NS	<1.15
Methylene chloride	56,000	<3.0	56,000	<3.00	56,000	<0.35	56,000	<0.45	56,000	<1.40	56,000	1.8	56,000	<1.00	56,000	<0.20	56,000	<1.00	56,000	<0.20	56,000	<1.00
1,1,2,2-tetrachloroethane	93,333	<0.50	93,333	<0.500	93,333	<0.93	93,333	<0.11	93,333	<2.45	93,333	<2.45	93,333	<2.00	93,333	<0.40	93,333	<2.00	93,333	<0.35	93,333	<1.75
Tetrachloroethylene	9,333	<0.50	9,333	<0.500	9,333	<0.48	9,333	<0.26	9,333	<1.15	9,333	<1.15	9,333	<1.05	9,333	<0.21	9,333	<1.05	9,333	<0.13	9,333	<0.65
Toluene	373,333	<3.0	373,333	<3.00	373,333	<0.48	373,333	<0.23	373,333	<0.60	373,333	<0.60	373,333	<0.95	373,333	<0.19	373,333	<0.95	373,333	<0.11	373,333	<0.55
1,2-trans-dichloroethylene	18,667	<0.50	18,667	<0.500	18,667	<0.40	18,667	<0.14	18,667	<0.85	18,667	<0.85	18,667	<1.25	18,667	<0.25	18,667	<1.25	18,667	<0.18	18,667	<0.90
1,1,1-trichloroethane	1.867x 10 ⁺⁶	<0.50	1.867x 10 ⁺⁶	<0.500	1.867x 10 ⁺⁶	<0.48	1.867x 10 ⁺⁶	<0.28	1.867x 10 ⁺⁶	<1.15	1.867x 10 ⁺⁶	<1.15	1.867x 10 ⁺⁶	<1.00	1.867x 10 ⁺⁶	<0.20	1.867x 10 ⁺⁶	<1.00	1.867x 10 ⁺⁶	<0.14	1.867x 10 ⁺⁶	<0.70
1,1,2-trichloroethane	3,733	<0.50	3,733	<0.500	3,733	<0.79	3,733	<0.22	3,733	<1.20	3,733	<1.20	3,733	<0.75	3,733	<0.15	3,733	<0.75	3,733	<0.13	3,733	<0.65
Trichloroethylene	280	<0.50	280	<0.500	280	<0.38	280	<0.35	280	<1.20	280	<1.20	280	<0.75	280	<0.15	280	<0.75	280	<0.22	280	<1.10
1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	NS	<2.0 <1.5	NS	<2.0 <1.5	NS	<0.25 <0.21	NS	<1.0 <1.0	NS	<5.0 <5.0	NS	<5.0 <5.0	NS	<5.0 <5.0	NS	<1.0 <1.0	NS	<5.0 <5.0	NS	<1.0 <1.0	NS	<5.0 <5.0
Vinyl chloride	2,800	<0.50	2,800	<0.500	2,800	<0.47	2,800	<0.19	2,800	<2.50	2,800	<2.50	2,800	<1.00	2,800	<0.20	2,800	<1.00	2,800	<0.22	2,800	<1.10
Xylenes, Total	186,667	<3.0	186,667	<1.00	186,667	<0.19	186,667	<0.51	186,667	<2.90	186,667	<2.90	186,667	<1.50	186,667	<0.30	186,667	<1.50	186,667	<0.13	186,667	<0.65
Acid Compounds (µg/L) ²																						
2-chlorophenol	4,667	<12	4,667	<12.3	4,667	<110.5	4,667	<44.2	4,667	<57.0	4,667	<22.8	4,667	<214.5	4,667	<90.1	4,667	<29.6	4,667	<1.48	4,667	<3.13
2,4-dichlorophenol	2,800	<6.9	2,800	<6.90	2,800	<121.0	2,800	<48.4	2,800	<61.0	2,800	<24.4	2,800	<211.0	2,800	<88.6	2,800	<33.0	2,800	<1.65	2,800	<2.84
2,4-dimethylphenol	18,667	<15	18,667	<14.7	18,667	<86.0	18,667	<34.4	18,667	<73.0	18,667	<29.2	18,667	<114.0	18,667	<47.9	18,667	<44.0	18,667	<2.20	18,667	<2.67
4,6-dinitro-o-cresol	3,733	<14	3,733	<13.6	3,733	<109.0	3,733	<43.6	3,733	<69.0	3,733	<27.6	3,733	<149.0	3,733	<62.6	3,733	<24.4	3,733	<1.22	3,733	<1.50
2,4-dinitrophenol	1,867	<10	1,867	<10.2	1,867	<50.0	1,867	<20.0	1,867	<69.5	1,867	<27.8	1,867	<129.5	1,867	<54.4	1,867	<22.6	1,867	<1.13	1,867	<2.23
2-nitrophenol	NS	<7.3	NS	<7.30	NS	<115.5	NS	<46.2	NS	<139.0	NS	<55.6	NS	<205.5	NS	<86.3	NS	<31.4	NS	<1.57	NS	<2.87
4-nitrophenol	NS	<2.1	NS	7.75	NS	<398.5	NS	<159.4	NS	<408.0	NS	<163.2	NS	<233.5	NS	<98.1	NS	<22.8	NS	<1.14	NS	<3.01
p-chloro-m-cresol	48,000	<6.2	48,000	<6.25	48,000	<98.0	48,000	<39.2	48,000	<93.0	48,000	<37.2	48,000	<220.5	48,000	<92.6	48,000	<33.0	48,000	<1.65	48,000	<1.89

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Pentachlorophenol	48.743	<15	248.117	<14.9	56.111	<218.5	193.236	<87.4	75.855	<103.5	78.211	<41.4	44.084	<168.0	147.244	<70.6	58.434	<27.8	60.177	<1.39	46.695	<1.48
Phenol	180,000	<3.5	180,000	<3.48	180,000	<100.0	180,000	<40.0	180,000	<59.5	180,000	<23.8	180,000	<177.5	180,000	<74.6	180,000	<26.8	180,000	<1.34	180,000	<2.32
2,4,6-trichlorophenol	130	<7.5	130	<7.52	130	<259.0	130	<103.6	130	<140.0	130	<56.0	130	<239.5	130	<100.6	130	<37.8	130	<1.89	130	<2.63
Bases/Neutrals (µg/L) ²																						
Acenaphthene	56,000	<3.5	56,000	<3.52	56,000	<65.5	56,000	<26.2	56,000	<85.0	56,000	<34.0	56,000	<67.0	56,000	<28.1	56,000	<20.6	56,000	<1.03	56,000	<0.35
Acenaphthylene	NS	<14	NS	<13.8	NS	<77.0	NS	<30.8	NS	<63.5	NS	<25.4	NS	<86.5	NS	<36.3	NS	<20.0	NS	<1.00	NS	<1.24
Anthracene	280,000	<3.5	280,000	<3.50	280,000	<82.0	280,000	<32.8	280,000	<44.5	280,000	<17.8	280,000	<86.5	280,000	<36.3	280,000	<57.6	280,000	<2.88	280,000	<0.44
Benzo(a)anthracene	0.2	<3.9	0.2	<3.86	0.2	<132.5	0.2	<53.0	0.2	<78.5	0.2	<31.4	0.2	<86.5	0.2	<36.3	0.2	<21.6	0.2	<1.08	0.2	<0.38
Benzo(a)pyrene	0.2	<3.7	0.2	<3.72	0.2	<223.5	0.2	<89.4	0.2	<96.5	0.2	<38.6	0.2	<93.5	0.2	<39.3	0.2	<75.4	0.2	<3.77	0.2	<1.42
Benzo(b)fluoranthene	NS	<3.7	NS	<3.74	NS	<196.0	NS	<78.4	NS	<169.5	NS	<67.8	NS	<121.5	NS	<51.0	NS	<29.2	NS	<1.46	NS	<1.07
Benzo(g,h,i)perylene	NS	<3.8	NS	<3.85	NS	<170.0	NS	<68.0	NS	<70.5	NS	<28.2	NS	<86.5	NS	<36.3	NS	<25.8	NS	<1.29	NS	<0.73
Benzo(k)fluoranthene	1.9	<3.9	1.9	<3.90	1.9	<150.0	1.9	<60.0	1.9	<57.5	1.9	<23.0	1.9	<70.0	1.9	<29.4	1.9	<20.8	1.9	<1.04	1.9	<0.35
Chrysene	19	<4.0	19	<4.00	19	<128.0	19	<51.2	19	<44.5	19	<17.8	19	<74.0	19	<31.1	19	<28.2	19	<1.41	19	<0.46
Dibenz(a,h)anthracene	1.9	<3.7	1.9	<3.72	1.9	<203.0	1.9	<81.2	1.9	<202.5	1.9	<81.0	1.9	<99.0	1.9	<41.6	1.9	<24.8	1.9	<1.24	1.9	<0.47
1,2-dichlorobenzene	5,900	<13	5,900	<13.5	5,900	<63.5	5,900	<25.4	5,900	<108.5	5,900	<43.4	5,900	<13.5	5,900	<5.7	5,900	<35.2	5,900	<1.76	5,900	<1.05
1,3-dichlorobenzene	NS	<12	NS	<12.0	NS	<59.5	NS	<23.8	NS	<121.0	NS	<48.4	NS	<56.5	NS	<23.7	NS	<34.8	NS	<1.74	NS	<0.47
1,4-dichlorobenzene	6,500	<14	6,500	<13.7	6,500	<71.0	6,500	<28.4	6,500	<106.5	6,500	<42.6	6,500	<52.5	6,500	<22.0	6,500	<31.2	6,500	<1.56	6,500	<1.29
3,3-dichlorobenzidine	3	<16	3	<15.8	3	<590.0	3	<236.0	3	<369.0	3	<147.6	3	<1363.5	3	<572.7	3	<121.2	3	<6.06	3	<11.72
Diethyl phthalate	746,667	<3.9	746,667	<3.89	746,667	<96.0	746,667	<38.4	746,667	<74.0	746,667	<29.6	746,667	<95.0	746,667	<39.9	746,667	<47.4	746,667	<2.37	746,667	<0.36
Dimethyl phthalate	NS	<3.9	NS	<3.94	NS	<84.5	NS	<33.8	NS	<60.5	NS	<24.2	NS	<89.5	NS	<37.6	NS	<48.4	NS	<2.42	NS	<0.47
Di-n-butyl phthalate	1,100	<5.1	1,100	<5.13	1,100	<213.0	1,100	<85.2	1,100	<114.5	1,100	<45.8	1,100	<111.5	1,100	<46.8	1,100	<37.0	1,100	<1.85	1,100	<0.31
2,4-dinitrotoluene	1,867	<15	1,867	<15.0	1,867	<134.5	1,867	<53.8	1,867	<65.5	1,867	<26.2	1,867	<102.5	1,867	<43.0	1,867	<42.4	1,867	<2.12	1,867	<0.26
2,6-dinitrotoluene	3,733	<3.8	3,733	<3.77	3,733	<194.0	3,733	<77.6	3,733	<93.5	3,733	<37.4	3,733	<126.0	3,733	<52.9	3,733	<22.4	3,733	<1.12	3,733	<0.38
Di-n-octyl phthalate	373,333	<6.7	373,333	<6.73	373,333	<393.0	373,333	<157.2	373,333	<206.5	373,333	<82.6	373,333	<144.0	373,333	<60.5	373,333	<22.0	373,333	<1.10	373,333	<1.29
1,2-diphenylhydrazine (as azobenzene)	NS	<3.6	NS	<3.57	NS ⁸	<72.0	NS ⁸	<28.8	NS ⁸	<53.5	NS ⁸	<21.4	NS ⁸	<116.5	NS ⁸	<48.9	NS ⁸	<134.0	NS ⁸	<6.70	NS ⁸	<1.07
Fluoranthene	37,333	<4.2	37,333	<4.21	37,333	<122.5	37,333	<49.0	37,333	<33.5	37,333	<13.4	37,333	<89.5	37,333	<37.6	37,333	<27.0	37,333	<1.35	37,333	<0.27
Fluorene	37,333	<3.6	37,333	<3.56	37,333	<65.5	37,333	<26.2	37,333	<84.0	37,333	<33.6	37,333	<77.0	37,333	<32.3	37,333	<96.2	37,333	<4.81	37,333	<0.29
Hexachlorobenzene	747	<2.9	747	<2.88	747	<75.0	747	<30.0	747	<65.0	747	<26.0	747	<69.5	747	<29.2	747	<24.6	747	<1.23	747	<0.34
Hexachlorobutadiene	187	<15	187	<14.7	187	<92.0	187	<36.8	187	<68.5	187	<27.4	187	<16.5	187	<6.9	187	<36.4	187	<1.82	187	<1.69
Hexachlorocyclopentadiene	11,200	<16	11,200	<15.5	11,200	<187.0	11,200	<74.8	11,200	<66.0	11,200	<26.4	11,200	<113.5	11,200	<47.7	11,200	<24.6	11,200	<1.23	11,200	<1.55
Hexachloroethane	850	<15	850	<15.0	850	<67.0	850	<26.8	850	<70.0	850	<28.0	850	<20.0	850	<8.4	850	<32.4	850	<1.62	850	<1.24
Indeno(1,2,3-cd)pyrene	1.9	<3.8	1.9	<3.84	1.9	<209.5	1.9	<83.8	1.9	<166.5	1.9	<66.6	1.9	<101.5	1.9	<42.6	1.9	<27.8	1.9	<1.39	1.9	<0.63
Isophorone	186,667	<3.5	186,667	<3.53	186,667	<86.5	186,667	<34.6	186,667	<95.0	186,667	<38.0	186,667	<70.5	186,667	<29.6	186,667	<42.8	186,667	<2.14	186,667	<0.37
Naphthalene	18,667	<12	18,667	<12.4	18,667	<51.5	18,667	<20.6	18,667	<71.0	18,667	<28.4	18,667	<60.0	18,667	<25.2	18,667	<36.6	18,667	<1.83	18,667	<0.36
Nitrobenzene	467	<3.6	467	<3.59	467	<119.0	467	<47.6	467	<65.5	467	<26.2	467	<61.5	467	<25.8	467	<42.0	467	<2.10	467	<1.27
N-nitrosodimethylamine	0.03	<11	0.03	<10.9	0.03	<51.5	0.03	<20.6	0.03	<82.0	0.03	<32.8	0.03	<60.0	0.03	<25.2	0.03	<20.0	0.03	<1.00	0.03	<1.14
N-nitrosodi-n-propylamine	88,667	<3.6	88,667	<3.63	88,667	<132.5	88,667	<53.0	88,667	<94.0	88,667	<37.6	88,667	<75.5	88,667	<31.7	88,667	<23.0	88,667	<1.15	88,667	<1.18
N-nitrosodiphenylamine	290	<16	290	<16.2	290	<82.0	290	<32.8	290	<50.0	290	<20.0	290	<152.0	290	<63.8	290	<71.4	290	<3.57	290	<1.16

NOTES:
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D^a = Result is assumed based upon a 1:1 ratio to total metals
T&D = Total and Dissolved
Bold text indicates a sample result greater than the SWQS.
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5 SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

6 Results for cyanide were collected on 2/19/11 (SC046 on 2/27/11) due to missed hold time on previous samples.

7 The method blanks used by the laboratory contained the same concentration of Azobenzene as the outfall sample.

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9 The sample was lost during extraction at the laboratory due to the glassware breaking.

IB08	Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15		Summer 2015	
SAMPLING DATE(S):	SWQS	7/31/10	SWQS	12/16/10	SWQS	7/04/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	7/19/13	SWQS	11/22/13	SWQS	8/2/14	SWQS	12/2/14	SWQS	6/29/15
Phenanthrene	NS	<3.6	NS	<3.56	NS	<64.0	NS	<25.6	NS	<38.0	NS	<15.2	NS	<81.5	NS	<34.2	NS	<27.8	NS	<1.39	NS	<0.31
Pyrene	28,000	<4.2	28,000	<4.18	28,000	<122.5	28,000	<49.0	28,000	<116.5	28,000	<46.6	28,000	<82.0	28,000	<34.4	28,000	<77.2	28,000	<3.86	28,000	<0.68
1,2,4-trichlorobenzene	9,333	<13	9,333	<13.2	9,333	<71.0	9,333	<28.4	9,333	<133.0	9,333	<53.2	9,333	<16.0	9,333	<6.7	9,333	<33.8	9,333	<1.69	9,333	<1.05
Pesticides (µg/L) ²																						
Aldrin	4.5	<0.60	4.5	<0.120	4.5	0.207	4.5	<0.013	4.5	<0.058	4.5	<0.046	4.5	<0.047	4.5	0.043	4.5	<0.027	4.5	<0.027	4.5	<0.012
Alpha-BHC	1,600	<0.50	1,600	<0.100	1,600	<0.016	1,600	<0.016	1,600	<0.044	1,600	<0.038	1,600	<0.039	1,600	<0.017	1,600	<0.021	1,600	<0.021	1,600	<0.058
Beta-BHC	560	<0.50	560	<0.100	560	<0.085	560	0.271	560	<0.048	560	<0.095	560	<0.098	560	<0.092	560	<0.072	560	<0.072	560	<0.063
Gamma-BHC	11	<0.50	11	<0.100	11	<0.014	11	0.048	11	<0.055	11	<0.033	11	<0.034	11	<0.023	11	<0.034	11	<0.034	11	<0.058
Delta-BHC	1,600	<0.50	1,600	<0.100	1,600	<0.016	1,600	<0.016	1,600	<0.035	1,600	<0.032	1,600	<0.033	1,600	<0.018	1,600	<0.021	1,600	<0.021	1,600	<0.066
Chlordane	3.2	<7.0	3.2	<1.40	3.2	<0.35	3.2	<0.35	3.2	<0.29	3.2	<0.16	3.2	<0.16	3.2	<0.020	3.2	<0.14	3.2	<0.14	3.2	<0.36
4,4'-DDT	1.1	<0.60	1.1	<0.120	1.1	<0.020	1.1	<0.020	1.1	<0.052	1.1	<0.029	1.1	<0.030	1.1	<0.016	1.1	<0.025	1.1	<0.025	1.1	<0.017
4,4'-DDE	1.1	<0.50	1.1	<0.100	1.1	<0.011	1.1	<0.011	1.1	<0.036	1.1	<0.034	1.1	<0.035	1.1	<0.018	1.1	<0.010	1.1	<0.010	1.1	<0.013
4,4'-DDD	1.1	<0.50	1.1	<0.100	1.1	<0.017	1.1	<0.017	1.1	<0.031	1.1	<0.023	1.1	<0.024	1.1	<0.014	1.1	<0.031	1.1	<0.031	1.1	<0.021
Dieldrin	4	<0.50	4	<0.100	4	<0.024	4	<0.024	4	<0.045	4	0.033	4	<0.029	4	<0.022	4	<0.030	4	<0.030	4	<0.060
Alpha-endosulfan	3 T	<0.50	3 T	<0.100	3 T	<0.010	3 T	<0.010	3 T	<0.048	3 T	<0.034	3 T	0.090	3 T	<0.018	3 T	0.054	3 T	0.061	3 T	<0.072
Beta-endosulfan	3 T	<0.50	3 T	<0.100	3 T	<0.021	3 T	<0.021	3 T	<0.054	3 T	<0.034	3 T	<0.035	3 T	<0.013	3 T	<0.032	3 T	<0.032	3 T	<0.019
Endosulfan sulfate	3	<0.50	3	<0.100	3	<0.015	3	<0.015	3	<0.030	3	<0.025	3	<0.026	3	<0.014	3	<0.008	3	<0.008	3	<0.016
Endrin	0.7	<0.60	0.7	<0.120	0.7	<0.019	0.7	<0.019	0.7	<0.036	0.7	<0.035	0.7	<0.036	0.7	<0.016	0.7	<0.017	0.7	<0.017	0.7	<0.023
Endrin aldehyde	0.7	<0.50	0.7	<0.100	0.7	<0.015	0.7	<0.015	0.7	<0.014	0.7	<0.038	0.7	<0.039	0.7	<0.023	0.7	<0.032	0.7	<0.032	0.7	<0.026
Heptachlor	0.9	<0.60	0.9	<0.120	0.9	<0.012	0.9	<0.012	0.9	<0.045	0.9	<0.035	0.9	<0.036	0.9	<0.018	0.9	<0.027	0.9	<0.027	0.9	<0.035
Heptachlor epoxide	0.9	<0.50	0.9	<0.100	0.9	<0.010	0.9	<0.010	0.9	<0.045	0.9	<0.032	0.9	<0.033	0.9	<0.020	0.9	<0.008	0.9	<0.008	0.9	<0.062
PCB-1242	4	<3.0	4	<0.600	4	<0.40	4	<0.40	4	<0.34	4	<0.41	4	<0.42	4	<0.55	4	<0.37	4	<0.37	4	<0.14
PCB-1254	4	<5.0	4	<1.00	4	<0.22	4	<0.22	4	<0.34	4	<0.20	4	<0.21	4	<0.28	4	<0.23	4	<0.23	4	<0.20
PCB-1221	4	<9.0	4	<1.80	4	<0.34	4	<0.34	4	<0.55	4	<0.68	4	<0.70	4	<0.85	4	<0.22	4	<0.22	4	<0.64
PCB-1232	4	<0.70	4	<0.140	4	<0.41	4	<0.41	4	<0.77	4	<0.66	4	<0.68	4	<0.34	4	<0.55	4	<0.55	4	<0.37
PCB-1248	4	<2.0	4	<0.400	4	<0.21	4	<0.21	4	<0.30	4	<0.78	4	<0.80	4	<0.27	4	<0.19	4	<0.19	4	<0.22
PCB-1260	4	<4.0	4	<0.800	4	<0.19	4	<0.19	4	<0.34	4	<0.21	4	<0.22	4	<0.23	4	<0.32	4	<0.32	4	<0.59
PCB-1016	4	<4.0	4	<0.800	4	<0.26	4	<0.26	4	<0.37	4	<0.36	4	<0.37	4	<0.33	4	<0.18	4	<0.18	4	<0.55
Toxaphene	11	<7.0	11	<1.40	11	<0.33	11	<0.33	11	<0.79	11	<0.53	11	<0.55	11	<0.34	11	<0.22	11	<0.22	11	<0.60

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Report the average flow rate for the sampling period (no more than 6 hours).

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Standard for total PCBs of 11 µg/L A&We and 19 µg/L PBC.

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SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

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Results for cyanide were collected on 2/19/11 (SC046 on 2/27/11) due to missed hold time on previous samples.

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The method blanks used by the laboratory contained the same concentration of Azobenzene as the outfall sample.

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In reporting years 2008-2010, the SWQS for 1,2 diphenylhydrazine was listed. Since COP wet weather samples are analyzed as azobenzene and Arizona has no SWQS for azobenzene, the table now says NS.

9

The sample was lost during extraction at the laboratory due to the glassware breaking.

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OUTFALL ID: SC046 RECEIVING WATER: Skunk Creek Wash DESIGNATED USES: A&We, PBC	MONITORING SEASONS Summer: June 1 – October 31 Winter: November 1 – May 31																					
	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
	SAMPLING DATE(S):	SWQS	12/7/09	SWQS	10/5/10	SWQS	12/22/10	SWQS	None	SWQS	11/5/11	SWQS	7/21/12	SWQS	10/5/10	SWQS	12/22/10	SWQS	None	SWQS	11/5/11	SWQS
MONITORING PARAMETERS ^{1, 2}																						
Conventional Parameters																						
Flow ³ (cfs)	NS	0.34	NS	2.46	NS	0.405			NS	0.889	NS	2.081	NS	0.69	NS	0.996	NS	0.16	NS	0.245	NS	0.088
pH	6.5-9	7.99	6.5-9	7.55	6.5-9	7.25			6.5-9	7.25	6.5-9	7.4	6.5-9	7.60	6.5-9	8.00	6.5-9	8.01	6.5-9	7.06	6.5-9	7.26
Temperature (°C)	Varies	11.5	Varies	22.0	Varies	13.0			Varies	14.5	Varies	30.0	Varies	14.5	Varies	27.5	Varies	14.5	Varies	28.5	Varies	16.0
Hardness (mg/L)	400	27	400	147	400	28			400	18	400	<16.6	400	18.2	400	23.7	400	17.4	400	176	400	24.6
Total Dissolved Solids (TDS) (mg/L) ²	NS	50	NS	95.0	NS	30.0			NS	48	NS	180	NS	36	NS	88	NS	48	NS	534	NS	56
Total Suspended Solids (TSS) (mg/L) ²	NS	10	NS	2,150	NS	89.0			NS	147	NS	204	NS	38.0	NS	291	NS	57.2	NS	72	NS	14.7
Biochemical Oxygen Demand (BOD) (mg/L) ²	NS	10	NS	19.7	NS	5.80			NS	8	NS	56	NS	8	NS	21	NS	8	NS	167	NS	8
Chemical Oxygen Demand (COD) (mg/L) ²	NS	140	NS	160	NS	60.0			NS	60	NS	280	NS	<50	NS	150	NS	<50	NS	620	NS	<50

SC046	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	12/7/09	SWQS	10/5/10	SWQS	12/22/10	SWQS	None	SWQS	11/5/11	SWQS	7/21/12	SWQS	1/26/13	SWQS	8/24/13	SWQS	11/22/13	SWQS	8/2/14	SWQS	12/4/14
Inorganics																						
Cyanide, total (µg/L) ²	84	<5.0	84	<5.0	84	<5.0			84	<5.0	84	<5	84	<5	84	<5	84	<5	84	<5	84	<5
Nutrients (mg/L) ²																						
Nitrate + Nitrite as N	NS	0.51	NS	1.16	NS	0.460			NS	0.4	NS	1.0	NS	1.9	NS	1.2	NS	0.5	NS	<0.1	NS	0.6
Ammonia as N	NS	0.51	NS	0.699	NS	0.285			NS	0.37	NS	1.5	NS	0.32	NS	1.3	NS	0.30	NS	3.7	NS	0.29
Total Kjeldahl Nitrogen (TKN)	NS	1.1	NS	6.10	NS	1.00			NS	1.3	NS	5.1	NS	1.3	NS	3.1	NS	0.98	NS	17	NS	0.75
Total Phosphorus as P	NS	0.25	NS	2.79	NS	0.241			NS	0.43	NS	0.58	NS	0.32	NS	0.90	NS	0.26	NS	1.5	NS	0.19
Ortho-Phosphorus as P	NS	0.13	NS	0.227	NS	3.05			NS	0.1	NS	0.6	NS	<0.1	NS	0.2	NS	0.1	NS	0.5	NS	<0.1
Microbiological																						
Escherichia coli (E. coli) (CFU/100 mg or MPN) ²	575	2,160	575	563	575	200			575	>2,419.6	575	>2,419.6	575	>2,419.6	575	61.6	575	>2,419.6	575	>2,419.6	575	1,413.6

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SC046	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	12/7/09	SWQS	10/5/10	SWQS	12/22/10	SWQS	None	SWQS	11/5/11	SWQS	7/21/12	SWQS	1/26/13	SWQS	8/24/13	SWQS	11/22/13	SWQS	8/2/14	SWQS	12/4/14
Total Metals (µg/L) ²																						
Antimony	747 T	<25 T&D	747 T	25 T&D	747 T	<25 T&D			747 T	0.42 T<0.12 D	747 T	0.85 T0.4 D	747 T	<0.25 T0.2 D	747 T	0.71 T0.3 D	747 T	0.27 T0.2 D	747 T	1.1 T1 D	747 T	0.24 T0.2 D
Arsenic	280 T440 D	<10 T&D	280 T440 D	26 T<10 D	280 T440 D	<10 T&D			280 T440 D	1.8 T0.4 D	280 T440 D	4.0 T1.5 D	280 T440 D	0.95 T0.6 D	280 T440 D	3.2 T0.8 D	280 T440 D	<1.0 T0.5 T	280 T440 D	4.4 T3.6 D	280 T440 D	1.0 T0.6 D
Barium	98,000 T	16 T<10 D	98,000 T	425 T14 D	98,000 T	37 T<10 D			98,000 T	59 T6 D	98,000 T	96 T25 D	98,000 T	25 T6 D	98,000 T	119 T12 D	98,000 T	21 T5 T	98,000 T	113 T94 D	98,000 T	12 T7 D
Beryllium	1,867 T	<2.0 T&D	1,867 T	<2 T&D	1,867 T	<2 T&D			1,867 T	<0.15 T<0.06 D	1,867 T	0.33 T<0.15 D	1,867 T	<0.15 T<0.06 D	1,867 T	0.36 T<0.06 D	1,867 T	<0.15 T<0.06 D	1,867 T	<0.15 T<0.06 D	1,867 T	<0.06 T<0.06 D
Cadmium	700 T6.37 D	<3.0 T&D	700 T33.16 D	<3 T&D	700 T6.60 D	<3 T&D			700 T4.29	<0.25 T<0.1 D	700 T3.97 D	<0.25 T<0.25 D	700 T4.34 D	<0.25 T<0.10 D	700 T5.61 D	<0.25 T<0.10 D	700 T4.15 D	<0.25 T<0.10 D	700 T39.50 D	<0.30 T<0.12 D	700 T5.82 D	0.2 T<0.12 D
Chromium	NS	<10 T&D	NS	21 T<10 D	NS	<10 T&D			NS	5.1 T<1.8 D	NS	8.9 T<2.00 D	NS	<2.00 T<0.80 D	NS	9.4 T<0.80 D	NS	<2.00 T<0.80 D	NS	3.2 T1 D	NS	1.2 T<0.36 D
Copper	1,300 T6.77 D	<10 T<10 D	1,300 T33.44 D	61 T<10 D	1,300 T7.01 D	<10 T<10 D			1,300 T4.62 D	14.5 T2.9 D	1,300 T4.28 D	32.7 T15.8 D	1,300 T4.67 D	9.3 T2.9 D	1,300 T5.99 D	35.7 T7.1 D	1,300 T4.48 D	14.0 T5.6 D	1,300 T39.62 D	33.3 T24.1 D	1,300 T6.20 D	6.6 T5.2 D
Lead	15 T31.95 D	<10 T&D	15 T206.78 D	85 T<10 D	15 T33.28 D	<10 T&D			15 T20.21 D	5.2 T<0.2 D	15 T18.45 D	7.7 T<0.45 D	15 T20.47 D	2.3 T<0.18 D	15 T27.59 D	9.4 T0.2 D	15 T19.45 D	1.8 T<0.18 D	15 T250.76 D	4.1 T1.7 D	15 T27.77 D	0.7 T0.1 D
Mercury	280 T5 D	<0.2 T&D	280 T5 D	<0.20 T<0.2 D	280 T5 D	<0.20 T&D			280 T5 D	<0.092 T&D	280 T5 D	0.05 T<0.040 D	280 T5 D	<0.040 T&D	280 T5 D	0.09 T0.047 D	280 T5 D	<0.020 T<0.020 D	280 T5 D	<0.092 T<0.2 D	280 T5 D	<0.092 T<0.092 D
Nickel	28,000 T1,374 D	<10 T&D	28,000 T5761 D	29 T<10 D	28,000 T1416 D	<10 T&D			28,000 T975 D	5.2 T0.6 D	28,000 T910 D	12.2 T4.3 D	28,000 T984 D	1.9 T0.6 D	28,000 T1,229.8 D	11.3 T1.4 D	28,000 T947.4 D	2.0 T0.7 D	28,000 T6,708 D	7.5 T6.1 D	28,000 T1,269.4 D	1.2 T0.7 D
Selenium	33 T	<2.0 T&D	33 T	<2.00 T<2.00 D	33 T	<2.00 T&D			33 T	<0.85 T<1 D	33 T	<0.60 T<0.60 D	33 T	<0.60 T<0.24 D	33 T	<0.60 T0.3 D	33 T	<0.60 T<0.24 D	33 T	1 T0.7 D	33 T	0.19 T0.1 D
Silver	4,667 T0.34 D	<5.0 T<5.0 D	4,667 T6.24 D	<5 T<5 D	4,667 T0.36 D	<5 T<5 D			4,667 T0.17 D	<0.2 T&D	4,667 T0.15 D	<0.15 T<0.15 D	4,667 T0.17 D	<0.15 T<0.15 D	4,667 T0.274 D	<0.15 T<0.15 D	4,667 T0.158 D	<0.15 T<0.15 D	4,667 T8.51 D	<0.20 T<0.20 D	4,667 T0.292 D	0.2 T<0.08 D
Thallium	75 T	<0.5 T&D	75 T	<0.5 T&D	75 T	<0.5 T&D			75 T	<0.2 T<0.08 D	75 T	0.52 T<0.20 D	75 T	<0.20 T<0.08 D	75 T	<0.20 T<0.08 D	75 T	<0.20 T<0.08 D	75 T	<0.10 T<0.04 D	75 T	<0.04 T<0.04 D
Zinc	280,000 T367 D	56 T<50 D	280,000 T1541 D	543 T<50 D	280,000 T378 D	134 T<50 D			280,000 T260 D	123 T16.6 D	280,000 T243 D	151 T59.0 D	280,000 T262 D	52.8 T14.1 D	280,000 T328.4 D	193 T31.7 D	280,000 T252.8 D	50.1 T17.1 D	280,000 T1,795 D	174 T128 D	280,000 T339.2 D	30.5 T17.6 D
Organic Toxic Pollutants																						
Total Petroleum Hydrocarbons (TPH) (mg/L) ²	NS	<5.0	NS	<5.00	NS	<5.00			NS	<10	NS	<10	NS	<10	NS	<11	NS	<11	NS	<10	NS	<10
Total Oil and Grease (mg/L) ²	NS	<5.0	NS	<5.00	NS	<5.00			NS	<5	NS	<5	NS	<5.0	NS	<5.4	NS	<5.7	NS	<5.0	NS	<5.0
VOCs, Semi-VOCs, & Pesticides (µg/L) ²																						
Acrolein	467	<50	467	<50.0	467	<50.0			467	<0.37	467	<0.293	467	<0.293	467	<0.20	467	<0.20	467	<2.00	467	<0.40
Acrylonitrile	37,333	<5.0	37,333	<5.00	37,333	<5.00			37,333	<0.17	37,333	<0.226	37,333	<0.226	37,333	<0.16	37,333	<0.16	37,333	<0.70	37,333	<0.14
Benzene	3,733	<0.50	3,733	<0.500	3,733	<0.500			3,733	<0.20	3,733	<1.5	3,733	<0.15	3,733	<1.20	3,733	<0.24	3,733	<1.20	3,733	<0.13
Bromoform	18,667	<1.0	18,667	<1.0	18,667	<1.00			18,667	<0.25	18,667	<4.3	18,667	<0.43	18,667	<2.35	18,667	<0.47	18,667	<2.35	18,667	<0.28
Carbon tetrachloride	1,307	<0.50	1,307	<0.500	1,307	<0.500			1,307	<0.31	1,307	<3.3	1,307	<0.33	1,307	<1.30	1,307	<0.26	1,307	<1.30	1,307	<0.23
Chlorobenzene	18,667	<0.50	18,667	<0.500	18,667	<0.500			18,667	<0.25	18,667	<2.8	18,667	<0.28	18,667	<0.80	18,667	<0.16	18,667	<0.80	18,667	<0.13

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Chlorodibromomethane	18,667	<0.50	18,667	<0.500	18,667	<0.500			18,667	<0.21	18,667	<2.6	18,667	<0.26	18,667	<0.90	18,667	<0.18	18,667	<0.90	18,667	<0.24
Chloroethane (ethyl chloride)	NS	<5.0	NS	<5.00	NS	<5.00			NS	<0.14	NS	<2.7	NS	<0.27	NS	<1.10	NS	<0.22	NS	<1.10	NS	<0.19
2-chloroethylvinyl ether	NS	<2.0	NS	<2.00	NS	<2.00			NS	<0.174	NS	<0.22	NS	<0.22	NS	<0.22	NS	<0.22	NS	<0.95	NS	<0.19
Chloroform	9,333	<0.50	9,333	<0.500	9,333	<0.500			9,333	<0.40	9,333	<2.1	9,333	<0.21	9,333	<1.15	9,333	<0.23	9,333	<1.15	9,333	<0.14
Dichlorobromomethane	18,667	<0.50	18,667	<0.500	18,667	<0.500			18,667	<0.23	18,667	<1.5	18,667	<0.15	18,667	<1.15	18,667	<0.23	18,667	<1.15	18,667	<0.15
1,1-dichloroethane	NS	<1.0	NS	<1.00	NS	<1.00			NS	<0.18	NS	<1.3	NS	<0.13	NS	<1.30	NS	<0.26	NS	<1.30	NS	<0.19
1,2-dichloroethane	186,667	<1.0	186,667	<1.00	186,667	<1.00			186,667	<0.20	186,667	<1.6	186,667	<0.16	186,667	<1.25	186,667	<0.25	186,667	<1.25	186,667	<0.11
1,1-dichloroethylene	46,667	<1.0	46,667	<1.00	46,667	<1.00			46,667	<0.23	46,667	<3.7	46,667	<0.37	46,667	<1.40	46,667	<0.28	46,667	<1.40	46,667	<0.27
1,2-dichloropropane	84,000	<0.50	84,000	<0.500	84,000	<0.500			84,000	<0.22	84,000	<1.5	84,000	<0.15	84,000	<1.25	84,000	<0.25	84,000	<1.25	84,000	<0.18
1,3-dichloropropylene	28,000	<1.0	28,000	<1.00	28,000	<1.00			28,000	<0.19	28,000	<1.0	28,000	<0.10	28,000	<1.20	28,000	<0.24	28,000	<1.20	28,000	<0.13
Ethylbenzene	93,333	<2.0	93,333	<2.00	93,333	<2.00			93,333	<0.27	93,333	<2.9	93,333	<0.29	93,333	<0.65	93,333	<0.13	93,333	<0.65	93,333	<0.15
Methyl bromide	1,307	<5.0	1,307	<5.00	1,307	<5.00			1,307	<0.14	1,307	<1.9	1,307	<0.19	1,307	<0.95	1,307	<0.19	1,307	<0.95	1,307	<0.18
Methyl chloride	NS	<5.0	NS	<5.00	NS	<5.00			NS	<0.20	NS	<3.7	NS	<0.37	NS	<1.40	NS	<0.28	NS	<1.40	NS	<0.23
Methylene chloride	56,000	<3.0	56,000	<3.00	56,000	<3.00			56,000	<0.45	56,000	<2.8	56,000	<0.28	56,000	<1.00	56,000	<0.20	56,000	<1.00	56,000	<0.20
1,1,2,2-tetrachloroethane	93,333	<0.50	93,333	<0.500	93,333	<0.500			93,333	<0.11	93,333	<4.9	93,333	<0.49	93,333	<2.00	93,333	<0.40	93,333	<2.00	93,333	<0.35
Tetrachloroethylene	9,333	<0.50	9,333	<0.500	9,333	<0.500			9,333	<0.26	9,333	<2.3	9,333	<0.23	9,333	<1.05	9,333	<0.21	9,333	<1.05	9,333	<0.13
Toluene	373,333	<3.0	373,333	<3.00	373,333	<3.00			373,333	<0.23	373,333	<1.2	373,333	<0.12	373,333	<0.95	373,333	<0.19	373,333	<0.95	373,333	<0.11
1,2-trans-dichloroethylene	18,667	<0.50	18,667	<0.500	18,667	<0.500			18,667	<0.14	18,667	<1.7	18,667	<0.17	18,667	<1.25	18,667	<0.25	18,667	<1.25	18,667	<0.18
1,1,1-trichloroethane	1.867x10 ⁺⁶	<0.50	1.867x10 ⁺⁶	<0.500	1.867x10 ⁺⁶	<0.500			1.867x10 ⁺⁶	<0.28	1.867x10 ⁺⁶	<2.3	1.867x10 ⁺⁶	<0.23	1.867x10 ⁺⁶	<1.00	1.867x10 ⁺⁶	<0.20	1.867x10 ⁺⁶	<1.00	1.867x10 ⁺⁶	<0.14
1,1,2-trichloroethane	3,733	<0.50	3,733	<0.500	3,733	<0.500			3,733	<0.22	3,733	<2.4	3,733	<0.24	3,733	<0.75	3,733	<0.15	3,733	<0.75	3,733	<0.13
Trichloroethylene	280	<0.50	280	<0.500	280	<0.500			280	<0.35	280	<2.4	280	<0.24	280	<0.75	280	<0.15	280	<0.75	280	<0.22
1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	NS	<1.5	NS	1,2,4<2.00 1,3,5<1.50	NS	<2.00<1.50			NS	<1.0	NS	<10<10	NS	<1.0<1.0	NS	<5.0<5.0	NS	<1.0<1.0	NS	<5.0<5.0	NS	<1.0<1.0
Vinyl chloride	2,800	<0.50	2,800	<0.500	2,800	<0.500			2,800	<0.19	2,800	<5.0	2,800	<0.50	2,800	<1.00	2,800	<0.20	2,800	<1.00	2,800	<0.22
Xylenes, Total	186,667	<3.0	186,667	<1.00	186,667	<1.00			186,667	<0.51	186,667	<5.8	186,667	<0.58	186,667	<1.50	186,667	<0.30	186,667	<1.50	186,667	<0.13
Acid Compounds (µg/L) ²																						
2-chlorophenol	4,667	<4.9	4,667	<2.46	4,667	<2.46			4,667	<22.1	4,667	<25.1	4,667	<1.14	4,667	<85.8	4,667	<42.9	4,667	<14.8	4,667	<1.48
2,4-dichlorophenol	2,800	<2.8	2,800	<1.38	2,800	<1.38			2,800	<24.2	2,800	<26.8	2,800	<1.22	2,800	<84.4	2,800	<42.2	2,800	<16.5	2,800	<1.65
2,4-dimethylphenol	18,667	<5.9	18,667	3.02	18,667	<2.93			18,667	<17.2	18,667	<32.1	18,667	<1.46	18,667	<45.6	18,667	<22.8	18,667	<22.0	18,667	<2.20
4,6-dinitro-o-cresol	3,733	<5.4	3,733	<2.71	3,733	<2.71			3,733	<21.8	3,733	<30.4	3,733	<1.38	3,733	<59.6	3,733	<29.8	3,733	<12.2	3,733	<1.22
2,4-dinitrophenol	1,867	<4.1	1,867	<2.04	1,867	<2.04			1,867	<10.0	1,867	<30.6	1,867	<1.39	1,867	<51.8	1,867	<25.9	1,867	<11.3	1,867	<1.13
2-nitrophenol	NS	<2.9	NS	<1.46	NS	<1.46			NS	<23.1	NS	<61.2	NS	<2.78	NS	<82.2	NS	<41.1	NS	<15.7	NS	<1.57
4-nitrophenol	NS	<0.8	NS	0.480	NS	<0.423			NS	<79.7	NS	<179.5	NS	<8.16	NS	<93.4	NS	<46.7	NS	<11.4	NS	<1.14
p-chloro-m-cresol	48,000	<2.5	48,000	<1.25	48,000	<1.25			48,000	<19.6	48,000	<40.9	48,000	<1.86	48,000	<88.2	48,000	<44.1	48,000	<16.5	48,000	<1.65
Pentachlorophenol	100.42	<6.0	63.970	<2.98	47.319	<2.98			47.319	<43.7	54.95	<45.5	67.18	<2.07	100.424	<67.2	101.486	<33.6	39.092	<13.9	47.794	<1.39

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SC046	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	12/7/09	SWQS	10/5/10	SWQS	12/22/10	SWQS	None	SWQS	11/5/11	SWQS	7/21/12	SWQS	1/26/13	SWQS	8/24/13	SWQS	11/22/13	SWQS	8/2/14	SWQS	12/4/14
Phenol	180,000	<1.4	180,000	<0.695	180,000	<0.695			180,000	<20.0	180,000	<26.2	180,000	<1.19	180,000	<71.0	180,000	<35.5	180,000	<13.4	180,000	<1.34
2,4,6-trichlorophenol	130	<3.0	130	<1.50	130	<1.50			130	<51.8	130	<61.6	130	<2.80	130	<95.8	130	<47.9	130	<18.9	130	<1.89
Bases/Neutrals (µg/L) ²																						
Acenaphthene	56,000	<1.4	56,000	<0.704	56,000	<0.704			56,000	<13.1	56,000	<37.4	56,000	<1.70	56,000	<26.8	56,000	<13.4	56,000	<10.3	56,000	<1.03
Acenaphthylene	NS	<5.5	NS	<2.77	NS	<2.77			NS	<15.4	NS	<27.9	NS	<1.27	NS	<34.6	NS	<17.3	NS	<10.0	NS	<1.00
Anthracene	280,000	<1.4	280,000	<0.700	280,000	<0.700			280,000	<16.4	280,000	<19.6	280,000	<0.89	280,000	<34.6	280,000	<17.3	280,000	<28.8	280,000	<2.88
Benz(a)anthracene	0.2	<1.5	0.2	<0.772	0.2	<0.772			0.2	<26.5	0.2	<34.5	0.2	<1.57	0.2	<34.6	0.2	<17.3	0.2	<10.8	0.2	<1.08
Benzo(a)pyrene	0.2	<1.5	0.2	<0.743	0.2	<0.743			0.2	<44.7	0.2	<42.5	0.2	<1.93	0.2	<37.4	0.2	<18.7	0.2	<37.7	0.2	<3.77
Benzo(b)fluoranthene	NS	<1.5	NS	<0.747	NS	<0.747			NS	<39.2	NS	<74.6	NS	<3.39	NS	<48.6	NS	<24.3	NS	<14.6	NS	<1.46
Benzo(g,h,i)perylene	NS	<1.5	NS	<0.770	NS	<0.770			NS	<34.0	NS	<31.0	NS	<1.41	NS	<34.6	NS	<17.3	NS	<12.9	NS	<1.29
Benzo(k)fluoranthene	1.9	<1.6	1.9	<0.779	1.9	<0.779			1.9	<30.0	1.9	<25.3	1.9	<1.15	1.9	<28.0	1.9	<14.0	1.9	<10.4	1.9	<1.04
Chrysene	19	<1.6	19	<0.800	19	<0.800			19	<25.6	19	<19.6	19	<0.89	19	<29.6	19	<14.8	19	<14.1	19	<1.41
Dibenz(a,h)anthracene	1.9	<1.5	1.9	<0.743	1.9	<0.743			1.9	<40.6	1.9	<89.1	1.9	<4.05	1.9	<39.6	1.9	<19.8	1.9	<12.4	1.9	<1.24
1,2-dichlorobenzene	5,900	<5.4	5,900	<2.70	5,900	<2.70			5,900	<12.7	5,900	<47.7	5,900	<2.17	5,900	<5.4	5,900	<2.7	5,900	<17.6	5,900	<1.76
1,3-dichlorobenzene	NS	<4.8	NS	<2.39	NS	<2.39			NS	<11.9	NS	<53.2	NS	<2.42	NS	<22.6	NS	<11.3	NS	<17.4	NS	<1.74
1,4-dichlorobenzene	6,500	<5.5	6,500	<2.73	6,500	<2.73			6,500	<14.2	6,500	<46.9	6,500	<2.13	6,500	<21.0	6,500	<10.5	6,500	<15.6	6,500	<1.56
3,3-dichlorobenzidine	3	<6.3	3	<3.17	3	<3.17			3	<118.0	3	<162.4	3	<7.38	3	<545.4	3	<272.7	3	<60.6	3	<6.06
Diethyl phthalate	746,667	<1.6	746,667	<0.777	746,667	<0.777			746,667	<19.2	746,667	<32.6	746,667	<1.48	746,667	<38.0	746,667	<19.0	746,667	<23.7	746,667	<2.37
Dimethyl phthalate	NS	<1.6	NS	<0.788	NS	<0.788			NS	<16.9	NS	<26.6	NS	<1.21	NS	<35.8	NS	<17.9	NS	<24.2	NS	<2.42
Di-n-butyl phthalate	1,100	<2.0	1,100	<1.03	1,100	<1.03			1,100	<42.6	1,100	<50.4	1,100	<2.29	1,100	<44.6	1,100	<22.3	1,100	<18.5	1,100	<1.85
2,4-dinitrotoluene	1,867	<6.0	1,867	<3.00	1,867	<3.00			1,867	<26.9	1,867	<28.8	1,867	<1.31	1,867	<41.0	1,867	<20.5	1,867	<21.2	1,867	<2.12
2,6-dinitrotoluene	3,733	<1.5	3,733	<0.753	3,733	<0.753			3,733	<38.8	3,733	<41.1	3,733	<1.87	3,733	<50.4	3,733	<25.2	3,733	<11.2	3,733	<1.12
Di-n-octyl phthalate	373,333	<2.7	373,333	<1.35	373,333	<1.35			373,333	<78.6	373,333	<90.9	373,333	<4.13	373,333	<57.6	373,333	<28.8	373,333	<11.0	373,333	<1.10
1,2-diphenylhydrazine (as azobenzene)	NS	<1.4	NS	1.82 ⁷	NS	<0.714			NS ⁸	<14.4	NS ⁸	<23.5	NS ⁸	<1.07	NS ⁸	<46.6	NS ⁸	<23.3	NS ⁸	<67.0	NS ⁸	<6.70
Fluoranthene	37,333	<1.7	37,333	<0.841	37,333	<0.841			37,333	<24.5	37,333	<14.7	37,333	<0.67	37,333	<35.8	37,333	<17.9	37,333	<13.5	37,333	<1.35
Fluorene	37,333	<1.4	37,333	<0.711	37,333	<0.711			37,333	<13.1	37,333	<37.0	37,333	<1.68	37,333	<30.8	37,333	<15.4	37,333	<48.1	37,333	<4.81
Hexachlorobenzene	747	<1.1	747	<0.575	747	<0.575			747	<15.0	747	<28.6	747	<1.30	747	<27.8	747	<13.9	747	<12.3	747	<1.23
Hexachlorobutadiene	187	<5.9	187	<2.94	187	<2.94			187	<18.4	187	<30.1	187	<1.37	187	<6.6	187	<3.3	187	<18.2	187	<1.82
Hexachlorocyclopentadiene	11,200	<6.2	11,200	<3.10	11,200	<3.10			11,200	<37.4	11,200	<29.0	11,200	<1.32	11,200	<45.4	11,200	<22.7	11,200	<12.3	11,200	<1.23
Hexachloroethane	850	<6.0	850	<3.00	850	<3.00			850	<13.4	850	<30.8	850	<1.40	850	<8.0	850	<4.0	850	<16.2	850	<1.62
Indeno(1,2,3-cd)pyrene	1.9	<1.5	1.9	<0.768	1.9	<0.768			1.9	<41.9	1.9	<73.3	1.9	<3.33	1.9	<40.6	1.9	<20.3	1.9	<13.9	1.9	<1.39
Isophorone	186,667	<1.4	186,667	<0.706	186,667	<0.706			186,667	<17.3	186,667	<41.8	186,667	<1.90	186,667	<28.2	186,667	<14.1	186,667	<21.4	186,667	<2.14
Naphthalene	18,667	<5.0	18,667	<2.48	18,667	<2.48			18,667	<10.3	18,667	<31.2	18,667	<1.42	18,667	<24.0	18,667	<12.0	18,667	<18.3	18,667	<1.83
Nitrobenzene	467	<1.4	467	<0.718	467	<0.718			467	<23.8	467	<28.8	467	<1.31	467	<24.6	467	<12.3	467	<21.0	467	<2.10
N-nitrosodimethylamine	0.03	<4.4	0.03	<2.18	0.03	<2.18			0.03	<10.3	0.03	<36.1	0.03	<1.64	0.03	<24.0	0.03	<12.0	0.03	<10.0	0.03	<1.00
N-nitrosodi-n-propylamine	88,667	<1.5	88,667	<0.725	88,667	<0.725			88,667	<26.5	88,667	<41.4	88,667	<1.88	88,667	<30.2	88,667	<15.1	88,667	<11.5	88,667	<1.15
N-nitrosodiphenylamine	290	<6.5	290	<3.24	290	<3.24			290	<16.4	290	<22.0	290	<1.00	290	<60.8	290	<30.4	290	<35.7	290	<3.57

NOTES:
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D^a = Result is assumed based upon a 1:1 ratio to total metals
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Footnotes

1 The Permittee shall report on any additional parameters that were monitored for seasonal stormwater sampling as required by Section 6.0 of this permit (Special Conditions).

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9 The sample was lost during extraction at the laboratory due to the glassware breaking.

SC046	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	12/7/09	SWQS	10/5/10	SWQS	12/22/10	SWQS	None	SWQS	11/5/11	SWQS	7/21/12	SWQS	1/26/13	SWQS	8/24/13	SWQS	11/22/13	SWQS	8/2/14	SWQS	12/4/14
Phenanthrene	NS	<1.4	NS	<0.711	NS	<0.711			NS	<12.8	NS	<16.7	NS	<0.76	NS	<32.6	NS	<16.3	NS	<13.9	NS	<1.39
Pyrene	28,000	<1.7	28,000	<0.835	28,000	<0.835			28,000	<24.5	28,000	<51.3	28,000	<2.33	28,000	<32.8	28,000	<16.4	28,000	<38.6	28,000	<3.86
1,2,4-trichlorobenzene	9,333	<5.3	9,333	<2.64	9,333	<2.64			9,333	<14.2	9,333	<58.5	9,333	<2.66	9,333	<6.4	9,333	<3.2	9,333	<16.9	9,333	<1.69
Pesticides (µg/L) ²																						
Aldrin	4.5	<0.60	4.5	<0.600	4.5	<0.060			4.5	<0.013	4.5	<0.058	4.5	<0.046	4.5	<0.046	4.5	<0.015	4.5	<0.027	4.5	<0.027
Alpha-BHC	1,600	<0.50	1,600	<0.500	1,600	<0.050			1,600	<0.016	1,600	<0.044	1,600	<0.038	1,600	<0.038	1,600	<0.016	1,600	<0.021	1,600	<0.021
Beta-BHC	560	<0.50	560	<0.500	560	<0.050			560	<0.085	560	<0.048	560	<0.095	560	<0.095	560	<0.090	560	<0.072	560	<0.072
Gamma-BHC	11	<0.50	11	<0.500	11	<0.050			11	<0.014	11	<0.055	11	<0.033	11	<0.033	11	<0.022	11	<0.034	11	<0.034
Delta-BHC	1,600	<0.50	1,600	<0.500	1,600	<0.050			1,600	<0.016	1,600	<0.035	1,600	<0.032	1,600	<0.032	1,600	0.041	1,600	<0.021	1,600	<0.021
Chlordane	3.2	<7.0	3.2	<7.00	3.2	<0.700			3.2	<0.35	3.2	<0.29	3.2	<0.16	3.2	<0.16	3.2	<0.19	3.2	<0.14	3.2	<0.14
4,4'-DDT	1.1	<0.60	1.1	<0.600	1.1	<0.060			1.1	<0.020	1.1	<0.052	1.1	0.070	1.1	<0.029	1.1	<0.015	1.1	<0.025	1.1	<0.025
4,4'-DDE	1.1	<0.50	1.1	<0.500	1.1	<0.050			1.1	<0.011	1.1	<0.036	1.1	<0.034	1.1	<0.034	1.1	<0.017	1.1	<0.010	1.1	<0.010
4,4'-DDD	1.1	<0.50	1.1	<0.500	1.1	<0.050			1.1	<0.017	1.1	<0.031	1.1	<0.023	1.1	<0.023	1.1	<0.013	1.1	<0.031	1.1	<0.031
Dieldrin	4	<0.50	4	<0.500	4	<0.050			4	<0.024	4	<0.045	4	<0.028	4	<0.028	4	<0.021	4	<0.030	4	<0.030
Alpha-endosulfan	3 T	<0.50	3 T	<0.500	3 T	<0.050			3 T	<0.010	3 T	<0.048	3 T	<0.034	3 T	<0.034	3 T	<0.017	3 T	<0.018	3 T	0.019
Beta-endosulfan	3 T	<0.50	3 T	<0.500	3 T	<0.050			3 T	<0.021	3 T	<0.054	3 T	<0.034	3 T	<0.034	3 T	<0.012	3 T	<0.032	3 T	<0.032
Endosulfan sulfate	3	<0.50	3	<0.500	3	<0.050			3	<0.015	3	<0.030	3	<0.025	3	<0.025	3	<0.013	3	<0.008	3	<0.008
Endrin	0.7	<0.60	0.7	<0.600	0.7	<0.060			0.7	<0.019	0.7	<0.036	0.7	<0.035	0.7	<0.035	0.7	<0.015	0.7	<0.017	0.7	<0.017
Endrin aldehyde	0.7	<0.50	0.7	<0.500	0.7	<0.050			0.7	<0.015	0.7	<0.014	0.7	<0.038	0.7	<0.038	0.7	<0.022	0.7	<0.032	0.7	<0.032
Heptachlor	0.9	<0.60	0.9	<0.600	0.9	<0.060			0.9	<0.012	0.9	<0.045	0.9	<0.035	0.9	<0.035	0.9	<0.017	0.9	<0.027	0.9	<0.027
Heptachlor epoxide	0.9	<0.50	0.9	<0.500	0.9	<0.050			0.9	<0.010	0.9	<0.045	0.9	<0.032	0.9	<0.032	0.9	<0.019	0.9	<0.008	0.9	<0.008
PCB-1242	4	<3.0	4	<3.00	4	<0.300			4	<0.40	4	<0.34	4	<0.41	4	<0.41	4	<0.53	4	<0.37	4	<0.37
PCB-1254	4	<5.0	4	<5.00	4	<0.500			4	<0.22	4	<0.34	4	<0.20	4	<0.20	4	<0.28	4	<0.23	4	<0.23
PCB-1221	4	<9.0	4	<9.00	4	<0.900			4	<0.34	4	<0.55	4	<0.68	4	<0.68	4	<0.83	4	<0.22	4	<0.22
PCB-1232	4	<0.70	4	<0.700	4	<0.070			4	<0.41	4	<0.77	4	<0.66	4	<0.66	4	<0.33	4	<0.55	4	<0.55
PCB-1248	4	<2.0	4	<2.00	4	<0.200			4	<0.21	4	<0.30	4	<0.78	4	<0.78	4	<0.27	4	<0.19	4	<0.19
PCB-1260	4	<4.0	4	<4.00	4	<0.400			4	<0.19	4	<0.34	4	<0.21	4	<0.21	4	<0.22	4	<0.32	4	<0.32
PCB-1016	4	<4.0	4	<4.00	4	<0.400			4	<0.26	4	<0.37	4	<0.36	4	<0.36	4	<0.32	4	<0.18	4	<0.18
Toxaphene	11	<7.0	11	<7.00	11	<0.700			11	<0.33	11	<0.79	11	<0.53	11	<0.53	11	<0.33	11	<0.22	11	<0.22

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OUTFALL ID: AC33 RECEIVING WATER: Arizona Canal Diversion Canal DESIGNATED USES: AgI, AgL	MONITORING SEASONS Summer: June 1 – October 31 Winter: November 1 – May 31																					
	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
	SAMPLING DATE(S):	SWQS	12/7/09	SWQS	8/28/10	SWQS	12/23/10	SWQS	7/31/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	07/20/13	SWQS	11/22/13	SWQS	8/12/14	SWQS
MONITORING PARAMETERS ^{1, 2}																						
Conventional Parameters																						
Flow ³ (cfs)	NS	1.13	NS	4.95	NS	0.993	NS	9.07	NS	1.629	NS	2.95	NS	0.76	NS	4.788	NS	2.00	NS	2.7	NS	0.364
pH	4.5-9.0	7.85	4.5-9.0	8.50	4.5-9.0	8.02	4.5-9.0	7.95	4.5-9.0	8.46	4.5-9.0	7.54	4.5-9.0	7.83	4.5-9.0	8.36	4.5-9.0	8.11	4.5-9.0	8.52	4.5-9.0	7.45
Temperature (°C)	Varies	13	Varies	29.5	Varies	13.5	Varies	27.5	Varies	13.0	Varies	28.5	Varies	14.0	Varies	28.5	Varies	16.5	Varies	24.8	Varies	17.0
Hardness (mg/L)	400	85	400	133	400	30.1	400	22.5	400	34.9	400	23.4	400	25.7	400	56.6	400	25.7	400	33.9	400	19.4
Total Dissolved Solids (TDS) (mg/L) ²	NS	76	NS	77.0	NS	45.0	NS	88	NS	110	NS	60	NS	92	NS	182	NS	72	NS	104	NS	42
Total Suspended Solids (TSS) (mg/L) ²	NS	440	NS	812	NS	84.0	NS	1,040	NS	546	NS	76.0	NS	296	NS	573	NS	242	NS	352	NS	210
Biochemical Oxygen Demand (BOD) (mg/L) ²	NS	49	NS	16.5	NS	9.50	NS	18	NS	22	NS	12	NS	19	NS	54	NS	18	NS	20	NS	12
Chemical Oxygen Demand (COD) (mg/L) ²	NS	470	NS	140	NS	106	NS	300	NS	190	NS	100	NS	210	NS	370	NS	140	NS	180	NS	140

AC33	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	12/7/09	SWQS	8/28/10	SWQS	12/23/10	SWQS	7/31/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	07/20/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
Inorganics																						
Cyanide, total (µg/L) ²	200 T	<5.0	200 T	<5.0	200 T	<5.0	200 T	<5.0	200 T	<5.0	200 T	<5	200 T	<5	200 T	<50	200 T	<5	200 T	<5	200 T	<5
Nutrients (mg/L) ²																						
Nitrate + Nitrite as N	NS	0.71	NS	1.14	NS	0.583	NS	0.9	NS	0.6	NS	0.5	NS	0.6	NS	1.7	NS	0.6	NS	1.2	NS	0.5
Ammonia as N	NS	1.2	NS	0.890	NS	0.459	NS	0.86	NS	0.84	NS	0.83	NS	1.2	NS	1.9	NS	0.86	NS	1.4	NS	0.85
Total Kjeldahl Nitrogen (TKN)	NS	4.2	NS	4.50	NS	1.41	NS	2.8	NS	3.1	NS	1.9	NS	3.6	NS	7.2	NS	2.2	NS	3.2	NS	2.0
Total Phosphorus as P	NS	1.4	NS	1.21	NS	0.310	NS	2.2	NS	2.6	NS	0.38	NS	0.74	NS	0.48	NS	0.80	NS	1.0	NS	0.38
Ortho-Phosphorus as P	NS	0.29	NS	0.229	NS	0.158	NS	0.2	NS	0.2	NS	0.2	NS	0.2	NS	0.5	NS	0.2	NS	0.2	NS	0.1
Microbiological																						
<i>Escherichia coli</i> (<i>E. coli</i>) (CFU/100 mg or MPN/100 mL) ²	NS	1,870	NS	5210	NS	38,730	NS	2,419.6	NS	>2,419.6	NS	1,553.1	NS	>2,419.6	NS	2419.6	NS	>2,419.6	NS	727.0	NS	>2,419.6
Total Metals (µg/L) ²																						
Antimony	NS	<25 T&D	NS	<25 T&D	NS	<25 T&D	NS	1.1 T 0.4 D	NS	1.3 T 0.5 D	NS	0.84 T 0.5 D	NS	1.8 T 0.6 D	NS	1.9 T 0.9 D	NS	1.1 T 0.5 D	NS	1.6 T 1.0 D	NS	2.3 T 0.6 D
Arsenic	200 T	<10 T&D	200 T	<10 T&D	200 T	<10 T&D	200 T	8.6 T 1.3 D	200 T	4.3 T 1.2 D	200 T	2.1 T 0.9 D	200 T	4.0 T 0.8 D	200 T	7.4 T 1.4 D	200 T	2.5 T 0.7 D	200 T	4.1 T 1.4 D	200 T	2.6 T 0.6 D
Barium	NS	210 T 13 D	NS	265 T 15 D	NS	42 T <10 D	NS	318 T 13 D	NS	145 T 16 D	NS	43 T 12 D	NS	125 T 12 D	NS	283 T 39 D	NS	91 T 11 D	NS	126 T 20 D	NS	104 T 11 D
Beryllium	NS	<2.0 T&D	NS	<2 T&D	NS	<2 T&D	NS	<0.15 T <0.06 D	NS	0.39 T <0.06 D	NS	<0.15 T <0.15 D	NS	0.38 T <0.15 D	NS	0.73 T <0.15 D	NS	0.22 T <0.06 D	NS	0.29 T <0.15 D	NS	0.22 T <0.06

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SAMPLING DATE(S):	SWQS	12/7/09	SWQS	8/28/10	SWQS	12/23/10	SWQS	7/31/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	07/20/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
Cadmium	50 T	<3.0 T&D	50 T	<3 T&D	50 T	<3 T&D	50 T	1.0 T<0.10 D	50 T	0.40 T<0.10 D	50 T	<0.25 T<0.25 D	50 T	0.4 T<0.25 D	50 T	0.7 T<0.25 D	50 T	0.4 T<0.10 D	50 T	0.4 T<0.30 D	50 T	0.3 T<0.12 D
Chromium	NS CrIII CrVI 1,000 T	18 T<10 D	NS CrIII CrVI 1,000 T	30 T<10 D	NS CrIII CrVI 1,000 T	<10 T<10 D	NS CrIII CrVI 1,000 T	37.3 T<1.8 D	NS CrIII CrVI 1,000 T	12.7 T<1.80 D	NS CrIII CrVI 1,000 T	4.3 T<2.00 D	NS CrIII CrVI 1,000 T	12.6 T<2.00 D	NS CrIII CrVI 1,000 T	27.5 T<2.00 D	NS CrIII CrVI 1,000 T	8.1 T<0.80 D	NS CrIII CrVI 1,000 T	14.0 T0.9 D	NS CrIII CrVI 1,000 T	9.0 T0.8 D
Copper	500 T	96 T13 D	500 T	94 T<10 D	500 T	22 T<10 D	500 T	99.7 T9.0 D	500 T	47.3 T9.5 D	500 T	20.0 T8.0 D	500 T	51.9 T8.4 D	500 T	97.0 T26.9 D	500 T	32.7 T10.1 D	500 T	49.6 T13.6 D	500 T	40.2 T8.0 D
Lead	100 T	78 T<10 D	100 T	164 T <10 D	100 T	17 T<10 D	100 T	119 T 1.2 D	100 T	29.7 T0.4 D	100 T	10.2 T0.5 D	100 T	33.2 T0.6 D	100 T	71.1 T3.1 D	100 T	15.3 T0.4 D	100 T	37.5 T1.1 D	100 T	25.2 T0.7 D
Mercury	10 T	<0.2 T&D	10 T	<0.20 T&D	10 T	<0.20 T&D	10 T	0.16 T<0.092 D	10 T	<0.092 T&D	10 T	<0.040 T<0.040 D	10 T	<0.040 T<0.040 D	10 T	0.03 T0.024 D	10 T	<0.020 T<0.020 D	10 T	<0.092 T<0.2 D	10 T	<0.092 T<0.092 D
Nickel	NS	19 T<10 D	NS	29 T<10 D	NS	<10 T&D	NS	34.5 T1.7 D	NS	15.6 T2.1 D	NS	5.6 T2.3 D	NS	14.0 T2.3 D	NS	29.2 T6.4 D	NS	9.2 T1.9 D	NS	13.4 T2.3 D	NS	9.2 T1.2 D
Selenium	20 T	<2.0 T&D	20 T	<2.00 T&D	20 T	<2.00 T&D	20 T	<0.85 T0.5 D	20 T	0.87 T<0.34 D	20 T	<0.60 T<0.60 D	20 T	0.6 T<0.60 D	20 T	<0.60 T<0.60 D	20 T	<0.60 T<0.24 D	20 T	0.3 T<0.25 D	20 T	0.29 T0.1 D
Silver	NS	<5.0 T&D	NS	<5 T&D	NS	<5 T&D	NS	0.3 T<0.2 D	NS	0.2 T<0.20 D	NS	<0.15 T<0.15 D	NS	0.2 T<0.15 D	NS	0.3 T<0.15 D	NS	<0.15 T<0.15 D	NS	<0.20 T<0.20 D	NS	0.1 T<0.08 D
Thallium	NS	<0.5 T<1.0 D	NS	<0.5 T<1 D	NS	<0.5 T&D	NS	0.28 T<0.08 D	NS	<0.20 T<0.08 D	NS	<0.20 T<0.20 D	NS	<0.20 T<0.20 D	NS	0.34 T<0.20 D	NS	<0.20 T<0.08 D	NS	<0.10 T<0.10 D	NS	0.08 T<0.04 D
Zinc	10,000 T	530 T<50 D	10,000 T	452 T<50 D	10,000 T	145 T<50 D	10,000 T	382 T9.6 D	10,000 T	244 T10.7 D	10,000 T	105 T27.9 D	10,000 T	272 T26.0 D	10,000 T	424 T80.6 D	10,000 T	170 T32.1 D	10,000 T	197 T19.8 D	10,000 T	195 T15.0 D
Organic Toxic Pollutants																						
Total Petroleum Hydrocarbons (TPH) (mg/L) ²	NS	<5.0	NS	<5.00	NS	<5.00	NS	<10	NS	<10	NS	<10	NS	<10	NS	<11	NS	<11	NS	<10.0	NS	<10
Total Oil and Grease (mg/L) ²	NS	<5.0	NS	<5.00	NS	<5.00	NS	<5	NS	<5	NS	<10	NS	<5.0	NS	<5.5	NS	6.0	NS	<5.0	NS	<5.0
VOCs, Semi-VOCs, & Pesticides (µg/L) ²																						
Acrolein	NS	<50	NS	<50.0	NS	<50.0	NS	<0.37	NS	<0.37	NS	<0.293	NS	<0.293	NS	1.1	NS	<0.20	NS	4.1	NS	<0.40
Acrylonitrile	NS	<5.0	NS	<1.00	NS	<5.00	NS	<0.17	NS	<0.17	NS	<0.226	NS	<0.226	NS	<0.16	NS	<0.16	NS	<0.70	NS	<0.14
Benzene	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.20	NS	<0.20	NS	<0.75	NS	<0.75	NS	<1.20	NS	<1.20	NS	<0.65	NS	<0.13
Bromoform	NS	<1.0	NS	<1.00	NS	<1.00	NS	<0.25	NS	<0.25	NS	<2.15	NS	<2.15	NS	<2.35	NS	<2.35	NS	<1.40	NS	<0.28
Carbon tetrachloride	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.31	NS	<0.31	NS	<1.65	NS	<1.65	NS	<1.30	NS	<1.30	NS	<1.15	NS	<0.23
Chlorobenzene	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.25	NS	<0.25	NS	<1.40	NS	<1.40	NS	<0.80	NS	<0.80	NS	<0.65	NS	<0.13
Chlorodibromomethane	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.21	NS	<0.21	NS	<1.30	NS	<1.30	NS	<0.90	NS	<0.90	NS	<1.20	NS	<0.24
Chloroethane (ethyl chloride)	NS	<5.0	NS	<5.00	NS	<5.00	NS	<0.14	NS	<0.14	NS	<1.35	NS	<1.35	NS	<1.10	NS	<1.10	NS	<0.95	NS	<0.19
2-chloroethylvinyl ether	NS	<2.0	NS	<5.00	NS	<2.00	NS	<0.174	NS	<0.174	NS	<0.22	NS	<0.22	NS	<0.22	NS	<0.22	NS	<0.95	NS	<0.19
Chloroform	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.40	NS	<0.40	NS	<1.05	NS	<1.05	NS	<1.15	NS	<1.15	NS	<0.70	NS	<0.14
Dichlorobromomethane	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.23	NS	<0.23	NS	<0.75	NS	<0.75	NS	<1.15	NS	<1.15	NS	<0.75	NS	<0.15
1,1-dichloroethane	NS	<1.0	NS	<1.00	NS	<1.00	NS	<0.18	NS	<0.18	NS	<0.65	NS	<0.65	NS	<1.30	NS	<1.30	NS	<0.95	NS	<0.19
1,2-dichloroethane	NS	<1.0	NS	<1.00	NS	<1.00	NS	<0.20	NS	<0.20	NS	<0.80	NS	<0.80	NS	<1.25	NS	<1.25	NS	<0.55	NS	<0.11

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1,1-dichloroethylene	NS	<1.0	NS	<1.00	NS	<1.00	NS	<0.23	NS	<0.23	NS	<1.85	NS	<1.85	NS	<1.40	NS	<1.40	NS	<1.35	NS	<0.27
1,2-dichloropropane	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.22	NS	<0.22	NS	<0.75	NS	<0.75	NS	<1.25	NS	<1.25	NS	<0.90	NS	<0.18
1,3-dichloropropylene	NS	<1.0	NS	<1.00	NS	<1.00	NS	<0.19	NS	<0.19	NS	<0.50	NS	<0.75	NS	<1.10	NS	<1.10	NS	<0.65	NS	<0.13
Ethylbenzene	NS	<2.0	NS	<2.00	NS	<2.00	NS	<0.27	NS	<0.27	NS	<1.45	NS	<1.45	NS	<0.65	NS	<0.65	NS	<0.75	NS	<0.15
Methyl bromide	NS	<5.0	NS	<5.00	NS	<5.00	NS	<0.14	NS	<0.14	NS	<0.95	NS	<0.95	NS	<0.95	NS	<0.95	NS	<0.90	NS	<0.18
Methyl chloride	NS	<5.0	NS	<5.00	NS	<5.00	NS	<0.20	NS	<0.20	NS	<1.85	NS	<1.85	NS	<1.40	NS	<1.40	NS	<1.15	NS	<0.23
Methylene chloride	NS	<3.0	NS	<3.00	NS	<3.00	NS	<0.45	NS	<0.45	NS	<1.40	NS	1.5	NS	<1.00	NS	<1.00	NS	<1.00	NS	<0.20
1,1,2,2-tetrachloroethane	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.11	NS	<0.11	NS	<2.45	NS	<2.45	NS	<2.00	NS	<2.00	NS	<1.75	NS	<0.35
Tetrachloroethylene	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.26	NS	<0.26	NS	<1.15	NS	<1.15	NS	<1.05	NS	<1.05	NS	<0.65	NS	<0.13
Toluene	NS	<3.0	NS	<3.00	NS	<3.00	NS	<0.23	NS	<0.23	NS	<0.60	NS	<0.60	NS	<0.95	NS	<0.95	NS	<0.55	NS	<0.11
1,2-trans-dichloroethylene	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.14	NS	<0.14	NS	<0.85	NS	<0.85	NS	<1.25	NS	<1.25	NS	<0.90	NS	<0.18
1,1,1-trichloroethane	1,000	<0.50	1,000	<0.500	1,000	<0.500	1,000	<0.28	1,000	<0.28	1,000	<1.15	1,000	<1.15	1,000	<1.00	1,000	<1.00	1,000	<0.70	1,000	<0.14
1,1,2-trichloroethane	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.22	NS	<0.22	NS	<1.20	NS	<1.20	NS	<0.75	NS	<0.75	NS	<0.65	NS	<0.13
Trichloroethylene	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.35	NS	<0.35	NS	<1.20	NS	<1.20	NS	<0.75	NS	<0.75	NS	<1.10	NS	<0.22
1,2,4-Trimethylbenzene	NS	<2.0	NS	<2.00	NS	<2.00	NS	<2.0	NS	<1.0	NS	<5.0	NS	<5.0	NS	<5.0	NS	<5.0	NS	<10.0	NS	<1.0
1,3,5-Trimethylbenzene		<1.5		<1.50		<1.50		<2.0		<1.0		<5.0		<5.0		<5.0		<5.0		<5.0		<1.0
Vinyl chloride	NS	<0.50	NS	<0.500	NS	<0.500	NS	<0.19	NS	<0.19	NS	<2.50	NS	<2.50	NS	<1.00	NS	<1.00	NS	<1.10	NS	<0.22
Xylenes, Total	NS	<3.0	NS	<1.00	NS	<1.00	NS	<0.51	NS	<0.51	NS	<2.90	NS	<2.90	NS	<1.50	NS	<1.50	NS	<1.25	NS	<0.13
Acid Compounds (µg/L) ²																						
2-chlorophenol	NS	<4.9	NS	<36.7	NS	<2.46	NS	<110.5	NS	<110.5	NS	<23.9	NS	<57.0	NS	<223.1	NS	<90.9	NS	<1.48	NS	<1.48
2,4-dichlorophenol	NS	<2.8	NS	<20.6	NS	<1.38	NS	<121.0	NS	<121.0	NS	<25.6	NS	<61.0	NS	<219.4	NS	<89.5	NS	<1.65	NS	<1.65
2,4-dimethylphenol	NS	<5.9	NS	<43.7	NS	<2.93	NS	<86.0	NS	<86.0	NS	<30.7	NS	<73.0	NS	<118.6	NS	<48.3	NS	<2.20	NS	<2.20
4,6-dinitro-o-cresol	NS	<5.4	NS	<40.4	NS	<2.71	NS	<109.0	NS	<109.0	NS	<29.0	NS	<69.0	NS	<155.0	NS	<63.2	NS	<1.22	NS	<1.22
2,4-dinitrophenol	NS	<4.1	NS	<30.4	NS	<2.04	NS	<50.0	NS	<50.0	NS	<29.2	NS	<69.5	NS	<134.7	NS	<54.9	NS	<1.13	NS	<1.13
2-nitrophenol	NS	<2.9	NS	<21.8	NS	<1.46	NS	<115.5	NS	<115.5	NS	<58.4	NS	<139.0	NS	<213.7	NS	<87.1	NS	<1.57	NS	<1.57
4-nitrophenol	NS	<0.8	NS	9.25	NS	<0.423	NS	<398.5	NS	<398.5	NS	<171.4	NS	<408.0	NS	<242.8	NS	<99.0	NS	5.2	NS	2.1
p-chloro-m-cresol	NS	<2.5	NS	<18.6	NS	<1.25	NS	<98.0	NS	<98.0	NS	<39.1	NS	<93.0	NS	<229.3	NS	<93.5	NS	<1.65	NS	<1.65
Pentachlorophenol	NS	<6.0	NS	<44.5	NS	<2.98	NS	<218.5	NS	<218.5	NS	<43.5	NS	<103.5	NS	<174.7	NS	<71.2	NS	<1.39	NS	<1.39
Phenol	NS	<1.4	NS	<10.4	NS	<0.695	NS	<100.0	NS	<100.0	NS	<25.0	NS	<59.5	NS	<184.6	NS	<75.3	NS	1.4	NS	<1.34
2,4,6-trichlorophenol	NS	<3.0	NS	<22.4	NS	<1.50	NS	<259.0	NS	<259.0	NS	<58.8	NS	<140.0	NS	<249.1	NS	<101.5	NS	<1.89	NS	<1.89
Bases/Neutrals (µg/L) ²																						
Acenaphthene	NS	<1.4	NS	<10.5	NS	<0.704	NS	<65.5	NS	<65.5	NS	<35.7	NS	<85.0	NS	<69.7	NS	<28.4	NS	<1.03	NS	<1.03
Acenaphthylene	NS	<5.5	NS	<41.3	NS	<2.77	NS	<77.0	NS	<77.0	NS	<26.7	NS	<63.5	NS	<90.0	NS	<36.7	NS	<1.00	NS	<1.00
Anthracene	NS	<1.4	NS	<10.4	NS	<0.700	NS	<82.0	NS	<82.0	NS	<18.7	NS	<44.5	NS	<90.0	NS	<36.7	NS	<2.88	NS	<2.88
Benz(a)anthracene	NS	<1.5	NS	<11.5	NS	<0.772	NS	<132.5	NS	<132.5	NS	<33.0	NS	<78.5	NS	<90.0	NS	<36.7	NS	<1.08	NS	<1.08
Benzo(a)pyrene	NS	<1.5	NS	<11.1	NS	<0.743	NS	<223.5	NS	<223.5	NS	<40.5	NS	<96.5	NS	<97.2	NS	<39.6	NS	<3.77	NS	<3.77
Benzo(b)fluoranthene	NS	<1.5	NS	<11.1	NS	<0.747	NS	<196.0	NS	<196.0	NS	<71.2	NS	<169.5	NS	<126.4	NS	<51.5	NS	<1.46	NS	<1.46
Benzo(g,h,i)perylene	NS	<1.5	NS	<11.5	NS	<0.770	NS	<170.0	NS	<170.0	NS	<29.6	NS	<70.5	NS	<90.0	NS	<36.7	NS	<1.29	NS	<1.29

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AC33	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	12/7/09	SWQS	8/28/10	SWQS	12/23/10	SWQS	7/31/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	07/20/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
Benzo(k)fluoranthene	NS	<1.6	NS	<11.6	NS	<0.779	NS	<150.0	NS	<150.0	NS	<24.2	NS	<57.5	NS	<72.8	NS	<29.7	NS	<1.04	NS	<1.04
Chrysene	NS	<1.6	NS	<11.9	NS	<0.800	NS	<128.0	NS	<128.0	NS	<18.7	NS	<44.5	NS	<77.0	NS	<31.4	NS	<1.41	NS	<1.41
Dibenzo(a,h)anthracene	NS	<1.5	NS	<11.1	NS	<0.743	NS	<203.0	NS	<203.0	NS	<85.0	NS	<202.5	NS	<103.0	NS	<42.0	NS	<1.24	NS	<1.24
1,2-dichlorobenzene	NS	<5.4	NS	<40.3	NS	<2.70	NS	<63.5	NS	<63.5	NS	<45.6	NS	<108.5	NS	<14.0	NS	<5.7	NS	<1.76	NS	<1.76
1,3-dichlorobenzene	NS	<4.8	NS	<35.7	NS	<2.39	NS	<59.5	NS	<59.5	NS	<50.8	NS	<121.0	NS	<58.8	NS	<24.0	NS	<1.74	NS	<1.74
1,4-dichlorobenzene	NS	<5.5	NS	<40.8	NS	<2.73	NS	<71.0	NS	<71.0	NS	<44.7	NS	<106.5	NS	<54.6	NS	<22.3	NS	<1.56	NS	<1.56
3,3-dichlorobenzidine	NS	<6.3	NS	<47.3	NS	<3.17	NS	<590.0	NS	<590.0	NS	<155.0	NS	<369.0	NS	<1418.0	NS	<578.1	NS	<6.06	NS	<6.06
Diethyl phthalate	NS	<1.6	NS	<11.6	NS	<0.777	NS	<96.0	NS	<96.0	NS	<31.1	NS	<74.0	NS	<98.8	NS	<40.3	NS	<2.37	NS	<2.37
Dimethyl phthalate	NS	<1.6	NS	<11.8	NS	<0.788	NS	<84.5	NS	<84.5	NS	<25.4	NS	<60.5	NS	<93.1	NS	<37.9	NS	<2.42	NS	<2.42
Di-n-butyl phthalate	NS	<2.0	NS	<15.3	NS	<1.03	NS	<213.0	NS	<213.0	NS	<48.1	NS	<114.5	NS	<116.0	NS	<47.3	NS	<1.85	NS	<1.85
2,4-dinitrotoluene	NS	<6.0	NS	<44.8	NS	<3.00	NS	<134.5	NS	<134.5	NS	<27.5	NS	<65.5	NS	<106.6	NS	<43.5	NS	<2.12	NS	<2.12
2,6-dinitrotoluene	NS	<1.5	NS	<11.2	NS	<0.753	NS	<194.0	NS	<194.0	NS	<39.3	NS	<93.5	NS	<131.0	NS	<53.4	NS	<1.12	NS	<1.12
Di-n-octyl phthalate	NS	<2.7	NS	<20.1	NS	<1.35	NS	<393.0	NS	<393.0	NS	<86.7	NS	<206.5	NS	<149.8	NS	<61.1	NS	<1.10	NS	<1.10
1,2-diphenylhydrazine (as azobenzene)	NS	<1.4	NS	<10.7	NS	<0.714	NS	<72.0	NS	<72.0	NS	<22.5	NS	<53.5	NS	<121.2	NS	<49.4	NS	<6.70	NS	<6.70
Fluoranthene	NS	<1.7	NS	<12.6	NS	<0.841	NS	<122.5	NS	<122.5	NS	<14.1	NS	<33.5	NS	<93.1	NS	<37.9	NS	<1.35	NS	<1.35
Fluorene	NS	<1.4	NS	<10.6	NS	<0.711	NS	<65.5	NS	<65.5	NS	<35.3	NS	<84.0	NS	<80.1	NS	<32.6	NS	<4.81	NS	<4.81
Hexachlorobenzene	NS	<1.1	NS	<8.58	NS	<0.575	NS	<75.0	NS	<75.0	NS	<27.3	NS	<65.0	NS	<72.3	NS	<29.5	NS	<1.23	NS	<1.23
Hexachlorobutadiene	NS	<5.9	NS	<43.9	NS	<2.94	NS	<92.0	NS	<92.0	NS	<28.8	NS	<68.5	NS	<17.2	NS	<7.0	NS	<1.82	NS	<1.82
Hexachlorocyclopentadiene	NS	<6.2	NS	<46.3	NS	<3.10	NS	<187.0	NS	<187.0	NS	<27.7	NS	<66.0	NS	<118.0	NS	<48.1	NS	<1.23	NS	<1.23
Hexachloroethane	NS	<6.0	NS	<44.8	NS	<3.00	NS	<67.0	NS	<67.0	NS	<29.4	NS	<70.0	NS	<20.8	NS	<8.5	NS	<1.62	NS	<1.62
Indeno(1,2,3-cd)pyrene	NS	<1.5	NS	<11.5	NS	<0.768	NS	<209.5	NS	<209.5	NS	<69.9	NS	<166.5	NS	<105.6	NS	<43.0	NS	<1.39	NS	<1.39
Isophorone	NS	<1.4	NS	<10.5	NS	<0.706	NS	<86.5	NS	<86.5	NS	<39.9	NS	<95.0	NS	<73.3	NS	<29.9	NS	<2.14	NS	<2.14
Naphthalene	NS	<5.0	NS	<37.0	NS	<2.48	NS	<51.5	NS	<51.5	NS	<29.8	NS	<71.0	NS	<62.4	NS	<25.4	NS	<1.83	NS	<1.83
Nitrobenzene	NS	<1.4	NS	<10.7	NS	<0.718	NS	<119.0	NS	<119.0	NS	<27.5	NS	<65.5	NS	<64.0	NS	<26.1	NS	<2.10	NS	<2.10
N-nitrosodimethylamine	NS	<4.4	NS	<32.5	NS	<2.18	NS	<51.5	NS	<51.5	NS	<34.4	NS	<82.0	NS	<62.4	NS	<25.4	NS	<1.00	NS	<1.00
N-nitrosodi-n-propylamine	NS	<1.5	NS	<10.8	NS	<0.725	NS	<132.5	NS	<132.5	NS	<39.5	NS	<94.0	NS	<78.5	NS	<32.0	NS	<1.15	NS	<1.15
N-nitrosodiphenylamine	NS	<6.5	NS	<48.4	NS	<3.24	NS	<82.0	NS	<82.0	NS	<21.0	NS	<50.0	NS	<158.1	NS	<64.4	NS	<3.57	NS	<3.57
Phenanthrene	NS	<1.4	NS	<10.6	NS	<0.711	NS	<64.0	NS	<64.0	NS	<16.0	NS	<38.0	NS	<84.8	NS	<34.6	NS	<1.39	NS	<1.39
Pyrene	NS	<1.7	NS	<12.5	NS	<0.835	NS	<122.5	NS	<122.5	NS	<48.9	NS	<116.5	NS	<85.3	NS	<34.8	NS	<3.86	NS	<3.86
1,2,4-trichlorobenzene	NS	<5.3	NS	<39.4	NS	<2.64	NS	<71.0	NS	<71.0	NS	<55.9	NS	<133.0	NS	<16.6	NS	<6.8	NS	<1.69	NS	<1.69
Pesticides (µg/L) ²																						
Aldrin	0.003	<1.2	0.003	<0.060	0.003	<0.120	0.003	<0.013	0.003	<0.013	0.003	<0.058	0.003	0.082	0.003	<0.048	0.003	0.028	0.003	<0.027	0.003	<0.027
Alpha-BHC	NS	<1.0	NS	<0.050	NS	<0.100	NS	<0.016	NS	<0.016	NS	<0.044	NS	<0.038	NS	<0.040	NS	<0.017	NS	<0.021	NS	<0.021
Beta-BHC	NS	<1.0	NS	<0.050	NS	<0.100	NS	<0.085	NS	0.264	NS	<0.048	NS	<0.095	NS	<0.099	NS	<0.094	NS	<0.072	NS	<0.072
Gamma-BHC	NS	<1.0	NS	<0.050	NS	<0.100	NS	<0.014	NS	0.062	NS	<0.055	NS	<0.033	NS	0.074	NS	<0.024	NS	<0.034	NS	<0.034
Delta-BHC	NS	<1.0	NS	<0.050	NS	<0.100	NS	<0.016	NS	0.016	NS	<0.035	NS	<0.032	NS	<0.033	NS	<0.018	NS	<0.021	NS	<0.021
Chlordane	NS	<14	NS	<0.700	NS	<1.40	NS	<0.35	NS	<0.35	NS	<0.29	NS	<0.16	NS	<0.17	NS	<0.20	NS	<0.14	NS	<0.14
4,4'-DDT	0.001	<1.2	0.001	<0.060	0.001	<0.120	0.001	<0.020	0.001	<0.020	0.001	<0.052	0.001	<0.029	0.001	<0.030	0.001	<0.016	0.001	<0.025	0.001	<0.025

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SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

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SAMPLING DATE(S):	SWQS	12/7/09	SWQS	8/28/10	SWQS	12/23/10	SWQS	7/31/11	SWQS	11/5/11	SWQS	8/21/12	SWQS	12/14/12	SWQS	07/20/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
4,4'-DDE	0.001	<1.0	0.001	<0.050	0.001	<0.100	0.001	<0.011	0.001	<0.011	0.001	<0.036	0.001	<0.034	0.001	<0.035	0.001	<0.018	0.001	<0.010	0.001	<0.010
4,4'-DDD	0.001	<1.0	0.001	<0.050	0.001	<0.100	0.001	<0.017	0.001	<0.017	0.001	<0.031	0.001	<0.023	0.001	<0.024	0.001	<0.014	0.001	<0.031	0.001	<0.031
Dieldrin	0.003	<1.0	0.003	<0.050	0.003	<0.100	0.003	0.045	0.003	<0.024	0.003	<0.045	0.003	<0.028	0.003	<0.029	0.003	<0.022	0.003	<0.030	0.003	<0.030
Alpha-endosulfan	NS	<1.0	NS	<0.050	NS	<0.100	NS	<0.010	NS	<0.010	NS	<0.048	NS	<0.034	NS	<0.035	NS	0.084	NS	0.072	NS	<0.018
Beta-endosulfan	NS	<1.0	NS	<0.050	NS	<0.100	NS	<0.021	NS	<0.021	NS	<0.054	NS	<0.034	NS	<0.035	NS	<0.013	NS	<0.032	NS	<0.032
Endosulfan sulfate	NS	<1.0	NS	<0.050	NS	<0.100	NS	<0.015	NS	<0.015	NS	<0.030	NS	<0.025	NS	<0.026	NS	<0.014	NS	<0.008	NS	<0.008
Endrin	0.004	<1.2	0.004	<0.060	0.004	<0.120	0.004	<0.019	0.004	<0.019	0.004	<0.036	0.004	<0.035	0.004	<0.036	0.004	<0.016	0.004	<0.017	0.004	<0.017
Endrin aldehyde	NS	<1.0	NS	<0.050	NS	<0.100	NS	<0.015	NS	<0.015	NS	<0.014	NS	<0.038	NS	<0.040	NS	<0.024	NS	<0.032	NS	<0.032
Heptachlor	NS	<1.2	NS	<0.060	NS	<0.120	NS	<0.012	NS	<0.012	NS	<0.045	NS	<0.035	NS	0.092	NS	<0.018	NS	<0.027	NS	<0.027
Heptachlor epoxide	NS	<1.0	NS	<0.050	NS	<0.100	NS	<0.010	NS	<0.010	NS	<0.045	NS	<0.032	NS	<0.033	NS	<0.020	NS	<0.008	NS	<0.008
PCB-1242	0.001	<6.0	0.001	<0.300	0.001	<0.600	0.001	<0.40	0.001	<0.40	0.001	<0.34	0.001	<0.41	0.001	<0.43	0.001	<0.56	0.001	<0.37	0.001	<0.37
PCB-1254	0.001	<10	0.001	<0.500	0.001	<1.00	0.001	<0.22	0.001	<0.22	0.001	<0.34	0.001	<0.20	0.001	<0.21	0.001	<0.29	0.001	<0.23	0.001	<0.23
PCB-1221	0.001	<18	0.001	<0.900	0.001	<1.80	0.001	<0.34	0.001	<0.34	0.001	<0.55	0.001	<0.68	0.001	<0.71	0.001	<0.87	0.001	<0.22	0.001	<0.22
PCB-1232	0.001	<1.4	0.001	<0.070	0.001	<0.140	0.001	<0.41	0.001	<0.41	0.001	<0.77	0.001	<0.66	0.001	<0.69	0.001	<0.34	0.001	<0.55	0.001	<0.55
PCB-1248	0.001	<4.0	0.001	<0.200	0.001	<0.400	0.001	<0.21	0.001	<0.21	0.001	<0.30	0.001	<0.78	0.001	<0.81	0.001	<0.28	0.001	<0.19	0.001	<0.19
PCB-1260	0.001	<8.0	0.001	<0.400	0.001	<0.800	0.001	<0.19	0.001	<0.19	0.001	<0.34	0.001	<0.21	0.001	<0.22	0.001	<0.24	0.001	<0.32	0.001	<0.32
PCB-1016	0.001	<8.0	0.001	<0.400	0.001	<0.800	0.001	<0.26	0.001	<0.26	0.001	<0.37	0.001	<0.36	0.001	<0.37	0.001	<0.33	0.001	<0.18	0.001	<0.18
Toxaphene	0.005	<14	0.005	<0.700	0.005	<1.40	0.005	<0.33	0.005	<0.33	0.005	<0.79	0.005	<0.53	0.005	<0.55	0.005	<0.34	0.005	<0.22	0.005	<0.22

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OUTFALL ID: SR03 RECEIVING WATER: Salt River DESIGNATED USES: A&Wedw, PBC, FC, AgI, AgL	MONITORING SEASONS Summer: June 1 – October 31 Winter: November 1 – May 31																					
	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
	SAMPLING DATE(S):	SWQS	1/19/10	SWQS	7/31/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/23/13	SWQS	8/12/14	SWQS
MONITORING PARAMETERS ^{1, 2}																						
Conventional Parameters																						
Flow ³ (cfs)	NS	4.286	NS	1.6425	NS	0.465	NS	1.136	NS	0.505	NS	1.806	NS	0.55	NS	2.93	NS	2.23	NS	1.162	NS	1.116
pH	6.5-9	8.65	6.5-9	7.54	6.5-9	8.19	6.5-9	7.58	6.5-9	8.17	6.5-9	7.55	6.5-9	8.48	6.5-9	7.78	6.5-9	8.54	6.5-9	7.67	6.5-9	8.47
Temperature (°C)	Varies	14.5	Varies	24.0	Varies	16.5	Varies	30.0	Varies	10.5	Varies	29.8	Varies	20.0	Varies	27.5	Varies	20.0	Varies	29.5	Varies	19.5
Hardness (mg/L)	400	40	400	120	400	70.9	400	105	400	48.4	400	51.5	400	47.8	400	39.1	400	74.0	400	38.9	400	32.5
Total Dissolved Solids (TDS) (mg/L) ²	NS	67	NS	330	NS	144	NS	344	NS	154	NS	178	NS	210	NS	130	NS	186	NS	130	NS	112
Total Suspended Solids (TSS) (mg/L) ²	NS	90	NS	160	NS	90.0	NS	115	NS	27.5	NS	568	NS	142	NS	178	NS	84.0	NS	314	NS	1,600
Biochemical Oxygen Demand (BOD) (mg/L) ²	NS	11	NS	37	NS	10.2	NS	<24	NS	15	NS	45	NS	34	NS	27	NS	10	NS	18	NS	36
Chemical Oxygen Demand (COD) (mg/L) ²	NS	100	NS	160	NS	84.0	NS	120	NS	77	NS	360	NS	190	NS	160	NS	74	NS	200	NS	400

SR03	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
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Inorganics																						
Cyanide, total (µg/L) ²	41 T	<5.0	41 T	<5.0	41 T	5.00	41 T	<5.0	41 T	<5.0	41 T	<5	41 T	<5	41 T	<50	41 T	<5	41 T	<5	41 T	<5
Nutrients (mg/L) ²																						
Nitrate + Nitrite as N	NS	0.79	NS	1.5	NS	0.784	NS	1.7	NS	0.8	NS	1.5	NS	1.2	NS	1.6	NS	0.9	NS	0.9	NS	0.7
Ammonia as N	2.42	0.68	18.74	1.3	5.843	0.559	17.58	0.27	6.089	1.0	18.45	1.7	3.34	2.1	12.56	1.2	2.98	0.47	10.18	0.98	2.28	1.1
Total Kjeldahl Nitrogen (TKN)	NS	1.8	NS	5.5	NS	1.80	NS	3.6	NS	2.4	NS	5.4	NS	5.0	NS	4.0	NS	1.2	NS	2.8	NS	4.2
Total Phosphorus as P	NS	0.48	NS	0.76	NS	0.357	NS	0.53	NS	0.51	NS	0.62	NS	0.65	NS	0.79	NS	0.40	NS	1.1	NS	0.37
Ortho-Phosphorus as P	NS	0.30	NS	0.19	NS	0.275	NS	0.3	NS	0.2	NS	0.2	NS	0.3	NS	0.4	NS	0.1	NS	0.1	NS	0.2
Microbiological																						
<i>Escherichia coli</i> (<i>E. coli</i>) (CFU/100 mg or MPN/100 mL) ²	575	>2,419.6	575	594,000	575	23,590	575	>2,419.6	575	>2,419.6	575	>2,419.6	575	>2,419.6	575	>2,419.6	575	2,419.6	575	>2419.6	575	>2,419.6

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SAMPLING DATE(S):	SWQS	1/19/10	SWQS	7/31/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/23/13	SWQS	8/12/14	SWQS	12/4/14
Total Metals (µg/L) ²																						
Antimony	640 T 1,000 D	<25 T&D	640 T 1,000 D	<25 T&D	640 T 1,000 D	<25 T&D	640 T 1,000 D	1.6 T 1.5 D	640 T 1,000 D	0.91 T 0.7 D	640 T 1,000 D	2.5 T <0.25 D	640 T 1,000 D	2.2 T 1.3 D	640 T 1,000 D	1.6 T 0.8 D	640 T 1,000 D	1.2 T 0.6 D	640 T 1,000 D	1.8 T 1.0 D	640 T 1,000 D	1.4 T 1.0 D
Arsenic	80 T 340 D	<10 T&D	80 T 340 D	<10 T&D	80 T 340 D	<10 T&D	80 T 340 D	4.0 T 3.1 D	80 T 340 D	2.7 T 1.3 D	80 T 340 D	7.9 T 0.4 D	80 T 340 D	4.0 T 1.4 D	80 T 340 D	4.6 T 1.4 D	80 T 340 D	3.6 T 2.8 D	80 T 340 D	3.8 T 1.4 D	80 T 340 D	12.2 T 1.2 D
Barium	98,000 T	65 T 13 D	98,000 T	110 T 54 D	98,000 T	53 T 20 D	98,000 T	63 T 47 D	98,000 T	46 T 20 D	98,000 T	266 T 6 D	98,000 T	113 T 20 D	98,000 T	119 T 22 D	98,000 T	67 T 26 D	98,000 T	136 T 21 D	98,000 T	538 T 14 D
Beryllium	84 T	<2.0 T&D	84 T	<2.0 T&D	84 T	<2 T&D	84 T	<0.15 T&D	84 T	<0.15 T <0.06 D	84 T	0.77 T <0.15 D	84 T	0.34 T <0.15 D	84 T	0.48 T <0.15 D	84 T	<0.15 <0.06 D	84 T	0.3 T <0.15 D	84 T	1.7 T <0.06 D
Cadmium	50 T 3.23 D	<3.0 T <3.0 D	50 T 9.40 D	<3.0 T <3.0 D	50 T 5.63 D	<3 T <3 D	50 T 8.25	<0.25 T&D	50 T 3.88 D	<0.25 T <0.10 D	50 T 4.13 D	1.4 T <0.25 D	50 T 3.97 D	0.5 T <0.25 D	50 T 3.158 D	0.6 T <0.25 D	50 T 5.87 D	<0.3 T <0.10 D	50 T 3.14 D	0.8 T <0.30 D	50 T 2.64 D	2.7 T <0.12 D
Chromium	1,000 T	<10 T&D	1,000 T	<10 T&D	1,000 T	<10 T&D	1,000 T	4.7 T <4.50 D	1,000 T	4.8 T <1.80 D	1,000 T	27.8 T <2.00 D	1,000 T	12.1 T <2.00 D	1,000 T	14.5 T <2.00 D	1,000 T	5.2 T 1.1 D	1,000 T	11.6 T 1.1 D	1,000 T	45.6 T 0.8 D
Copper	500 T 5.67 D	44 T <10 D	500 T 15.96 D	70 T 31 D	500 T 9.71 D	21 T <10 D	500 T 14.07 D	28.8 T 20.9 D	500 T 6.78 D	19.9 T 12.0 D	500 T 7.20 D	126 T 2.5 D	500 T 6.93 D	60.1 T 18.5 D	500 T 5.54 D	49.1 T 16.8 D	500 T 10.12 D	25.1 T 6.8 D	500 T 5.52 D	78.3 T 9.6 D	500 T 4.66 D	219 T 10.6 D
Lead	15 T 23.51 D	24 T <10 D	15 T 78.72 D	27 T <10 D	15 T 44.22 D	14 T <10 D	15 T 68.10 D	5.9 T 0.9 D	15 T 29.07 D	9.5 T 0.5 D	15 T 31.15 D	74.2 T <0.45 D	15 T 29.81 D	26.1 T 0.8 D	15 T 22.93 D	34.4 T 1.5 D	15 T 46.46 D	14.4 T 0.6 D	15 T 22.79 D	49.6 T 1.4 D	15 T 18.64 D	110 T 0.6 D
Mercury	10 T 2.4 D	<0.2 T&D	10 T 2.4 D	<0.2 T&D	10 T 2.4 D	<0.2000 T&D	10 T 2.4 D	<0.092 T&D	10 T 2.4 D	<0.092 T&D	10 T 2.4 D	0.09 T <0.040 D	10 T 2.4 D	<0.040 T <0.040 D	10 T 2.4 D	0.02 T 0.023 D	10 T 2.4 D	<0.020 T <0.020 D	10 T 2.4 D	<0.092 T <0.2 D	10 T 2.4 D	<0.092 T <0.092 D
Nickel	511 T 216 D	<10 T&D	511 T 546 D	16 T <10 D	511 T 349 D	<10 T&D	511 T 488 D	7.4 T 5.8 D	511 T 254 D	6.1 T 2.4 D	511 T 267 D	36.1 T 0.8 D	511 T 258 D	15.6 T 3.6 D	511 T 211.5 D	18.8 T 3.3 D	511 T 363 D	6.1 T 1.3 D	511 T 210.6 D	16.4 T 2.5 D	511 T 181 D	60.6 D 2.2 D
Selenium	20 T	<2.0 T&D	20 T	<2.0 T&D	20 T	<2.00 T&D	20 T	<0.85 T&D	20 T	<0.85 T <0.34 D	20 T	0.98 T <0.60 D	20 T	0.86 T <0.60 D	20 T	<0.60 T <0.60 D	20 T	<0.60 T 0.7 D	20 T	<0.25 T <0.25 D	20 T	0.79 T 0.3 D
Silver	4,667 T 0.67 D	<5.0 T <5.0 D	4,667 T 4.40 D	<5.0 T <5.0 D	4,667 T 1.77 D	<5 T <5 D	4,667 T 3.50	<0.2 T&D	4,667 T 0.92 D	<0.20 T&D	4,667 T 1.03 D	0.5 T <0.15 D	4,667 T 0.96 D	0.2 T <0.15 D	4,667 T 0.643 D	0.2 T <0.15 D	4,667 T 1.92 D	<0.15 T <0.15 D	4,667 T 0.637 D	<0.20 T <0.20 D	4,667 T 0.465 D	0.5 T <0.08 D
Thallium	1 T 700 D	<0.5 T&D	1 T 700 D	<0.5 T&D	1 T 700 D	<0.50 T <0.5 D	1 T 700 D	<0.20 T&D	1 T 700 D	<0.20 T <0.08 D	1 T 700 D	0.33 T <0.20 D	1 T 700 D	<0.20 T <0.20 D	1 T 700 D	<0.20 T <0.20 D	1 T 700 D	<0.2 T <0.08 D	1 T 700 D	0.13 T <0.10 D	1 T 700 D	0.61 T <0.04 D
Zinc	5,106 T 53.9 D	190 T <50 D	5,106 T 136.8 D	270 T 77 D	5,106 T 87.5	141 T <50 D	5,106 T 122.1 D	78.6 T 37.4 D	5,106 T 63.3 D	87.0 T 19.9 D	5,106 T 66.8 D	644 T 8.3 D	5,106 T 64.6 D	277 T 38.2 D	5,106 T 52.9 D	213 T 27.4 D	5,106 T 90.8 D	120 T 18.6 D	5,106 T 52.7 D	391 T 30.4 D	5,106 T 45.2 D	919 T 12.9 D
Organic Toxic Pollutants																						
Total Petroleum Hydrocarbons (TPH) (mg/L) ²	NS	<5.0	NS	<5.0	NS	<5.00	NS	<10	NS	<10	NS	<5	NS	<10	NS	<11	NS	<11	NS	<13	NS	<10
Total Oil and Grease (mg/L) ²	NS	<5.0	NS	<5.0	NS	<5.00	NS	<10	NS	<5	NS	<5	NS	14	NS	<5.5	NS	<5.6	NS	<6.3	NS	5.4
VOCs, Semi-VOCs, & Pesticides (µg/L) ²																						
Acrolein	1.9	<50	1.9	<50	1.9	<50.0	1.9	<1.86	1.9	<0.37	1.9	<2.93	1.9	<1.465	1.9	<0.20	1.9	<0.20	1.9	<2.00	1.9	<0.40
Acrylonitrile	0.2	<5.0	0.2	<5.0	0.2	<5.00	0.2	<0.84	0.2	<0.17	0.2	<2.26	0.2	<1.130	0.2	<0.16	0.2	<0.16	0.2	<0.70	0.2	<0.14
Benzene	114	<0.50	114	<0.50	114	<0.500	114	<2.30	114	<0.20	114	<4.0	114	<0.75	114	<1.20	114	<0.24	114	<0.65	114	<0.13
Bromoform	133	<1.0	133	<1.0	133	<1.00	133	<4.15	133	<0.25	133	<5.0	133	<2.15	133	<2.35	133	<0.47	133	<1.40	133	<0.28
Carbon tetrachloride	2	<0.50	2	<0.50	2	<0.500	2	<2.30	2	<0.31	2	<6.2	2	<1.65	2	<1.30	2	<0.26	2	<1.15	2	<0.23
Chlorobenzene	1,553	<0.50	1,553	<0.50	1,553	<0.500	1,553	<3.70	1,553	<0.25	1,553	<5.0	1,553	<1.40	1,553	<0.80	1,553	<0.16	1,553	<0.65	1,553	<0.13

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Chlorodibromomethane	13	<0.50	13	<0.50	13	<0.500	13	<3.90	13	<0.21	13	<4.2	13	<1.30	13	<0.90	13	<0.18	13	<1.20	13	<0.24
Chloroethane (ethyl chloride)	NS	<5.0	NS	<5.0	NS	<5.00	NS	<2.25	NS	<0.14	NS	<2.8	NS	<1.35	NS	<1.10	NS	<0.22	NS	<0.95	NS	<0.19
2-chloroethylvinyl ether	180,000	<2.0	180,000	<2.0	180,000	<2.00	180,000	<0.174	180,000	<0.174	180,000	<2.2	180,000	<0.22	180,000	<0.22	180,000	<0.22	180,000	<0.95	180,000	<0.19
Chloroform	2,133	<0.50	2,133	<0.50	2,133	<0.500	2,133	<2.30	2,133	<0.40	2,133	<8.0	2,133	<1.05	2,133	<1.15	2,133	<0.23	2,133	0.72	2,133	<0.14
Dichlorobromomethane	17	<0.50	17	<0.50	17	<0.500	17	<2.95	17	<0.23	17	<4.6	17	<0.75	17	<1.15	17	<0.23	17	<0.75	17	<0.15
1,1-dichloroethane	NS	<1.0	NS	<1.0	NS	<1.00	NS	<2.15	NS	<0.18	NS	<3.6	NS	<0.65	NS	<1.30	NS	<0.26	NS	<0.95	NS	<0.19
1,2-dichloroethane	37	<1.0	37	<1.0	37	<1.00	37	<2.45	37	<0.20	37	<4.0	37	<0.80	37	<1.25	37	<0.25	37	<0.55	37	<0.11
1,1-dichloroethylene	7,143	<1.0	7,143	<1.0	7,143	<1.00	7,143	<2.10	7,143	<0.23	7,143	<4.6	7,143	<1.85	7,143	<1.40	7,143	<0.28	7,143	<1.35	7,143	<0.27
1,2-dichloropropane	17,518	<0.50	17,518	<0.50	17,518	<0.500	17,518	<2.50	17,518	<0.22	17,518	<4.4	17,518	<0.75	17,518	<1.25	17,518	<0.25	17,518	<0.90	17,518	<0.18
1,3-dichloropropylene	42	<1.0	42	<1.0	42	<1.00	42	cis<2.85 trans<3.45	42	<0.19	42	cis<3.8 trans<3.8	42	cis<0.50 trans<0.75	42	cis<1.20 trans<1.10	42	cis<0.24 trans<0.22	42	<0.65	42	<0.13
Ethylbenzene	2,133	<2.0	2,133	<2.0	2,133	<2.00	2,133	<3.35	2,133	<0.27	2,133	<5.4	2,133	<1.45	2,133	<0.65	2,133	<0.13	2,133	<0.75	2,133	<0.15
Methyl bromide	299	<5.0	299	<5.0	299	<5.00	299	<2.35	299	<0.14	299	<2.8	299	<0.95	299	<0.95	299	<0.19	299	<0.90	299	<0.18
Methyl chloride	270,000	<5.0	270,000	<5.0	270,000	<5.00	270,000	<2.15	270,000	<0.20	270,000	<4.0	270,000	<1.85	270,000	<1.40	270,000	<0.28	270,000	<1.15	270,000	<0.23
Methylene chloride	593	<3.0	593	<3.0	593	<3.00	593	2.0	593	<0.45	593	14	593	1.8	593	<1.00	593	<0.20	593	<1.00	593	<0.20
1,1,2,2-tetrachloroethane	4	<0.50	4	<0.50	4	<0.500	4	<4.65	4	<0.11	4	<2.2	4	<2.45	4	<2.00	4	<0.40	4	<1.75	4	<0.35
Tetrachloroethylene	261	<0.50	261	<0.50	261	<0.500	261	<2.40	261	<0.26	261	<5.2	261	<1.15	261	<1.05	261	<0.21	261	<0.65	261	<0.13
Toluene	8,700	<3.0	8,700	<3.0	8,700	<3.00	8,700	<2.40	8,700	<0.23	8,700	<4.6	8,700	<0.60	8,700	<0.95	8,700	<0.19	8,700	<0.55	8,700	<0.11
1,2-trans-dichloroethylene	10,127	<0.50	10,127	<0.50	10,127	<0.500	10,127	<2.00	10,127	<0.14	10,127	<2.8	10,127	<0.85	10,127	<1.25	10,127	<0.25	10,127	<0.90	10,127	<0.18
1,1,1-trichloroethane	1,000	<0.50	1,000	<0.50	1,000	<0.500	1,000	<2.40	1,000	<0.28	1,000	<5.6	1,000	<1.15	1,000	<1.00	1,000	<0.20	1,000	<0.70	1,000	<0.14
1,1,2-trichloroethane	16	<0.50	16	<0.50	16	<0.500	16	<3.95	16	<0.22	16	<4.4	16	<1.20	16	<0.75	16	<0.15	16	<0.65	16	<0.13
Trichloroethylene	29	<0.50	29	<0.50	29	<0.500	29	<1.90	29	<0.35	29	<7.0	29	<1.20	29	<0.75	29	<0.15	29	<1.10	29	<0.22
1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	NS	<1.5	NS	<2.0 <1.5	NS	<2.00 <1.50	NS	<20 <20	NS	<1.0	NS	<20 <20	NS	<5.0 <5.0	NS	<5.0 <5.0	NS	<1.0 <1.0	NS	<10.00 <5.00	NS	<1.0 <1.0
Vinyl chloride	5	<0.50	5	<0.50	5	<0.500	5	<2.35	5	<0.19	5	<3.8	5	<2.50	5	<1.00	5	<0.20	5	<1.10	5	<0.22
Xylenes, Total	186,667	<3.0	186,667	<3.0	186,667	<1.00	186,667	<0.95	186,667	<0.51	186,667	<10.2	186,667	<2.90	186,667	<1.50	186,667	<0.30	186,667	<1.25	186,667	<0.13
Acid Compounds (µg/L) ²																						
2-chlorophenol	30	<12	30	<12	30	<2.46	30	<2.21	30	<11.05	30	<57.0	30	<22.8	30	<89.2	30	<43.3	30	<1.48	30	<1.48
2,4-dichlorophenol	59	<6.9	59	<6.9	59	<1.38	59	<2.42	59	<12.10	59	<61.0	59	<24.4	59	<87.8	59	<42.6	59	<1.65	59	<1.65
2,4-dimethylphenol	171	<15	171	<15	171	<2.93	171	<1.72	171	<8.60	171	<73.0	171	<29.2	171	<47.4	171	<23.0	171	<2.20	171	<2.20
4,6-dinitro-o-cresol	310	<14	310	<14	310	<2.71	310	<2.18	310	<10.90	310	<69.0	310	<27.6	310	<62.0	310	<30.1	310	<1.22	310	<1.22
2,4-dinitrophenol	110	<10	110	<10	110	<2.04	110	<1.00	110	<5.00	110	<69.5	110	<27.8	110	<53.9	110	<26.2	110	<1.13	110	<1.13
2-nitrophenol	NS	<7.3	NS	<7.3	NS	<1.46	NS	<2.31	NS	<11.55	NS	<139.0	NS	<55.6	NS	<85.5	NS	<41.5	NS	<1.57	NS	<1.57
4-nitrophenol	4,100	<2.1	4,100	<2.1	4,100	<0.423	4,100	<7.97	4,100	<39.85	4,100	<408.0	4,100	<163.2	4,100	<97.1	4,100	<47.2	4,100	3.0	4,100	3.7
p-chloro-m-cresol	15	<6.2	15	<6.2	15	<1.25	15	<1.96	15	<9.80	15	<93.0	15	<37.2	15	<91.7	15	<44.5	15	<1.65	15	<1.65
Pentachlorophenol	47.680	<15	15.626	<15	30.006	<2.98	16.26	<4.37	29.427	<21.85	15.79	<103.5	40.17	<41.4	19.879	<69.9	42.688	<33.9	17.803	<1.39	39.781	<1.39
Phenol	37	<3.5	37	<3.5	37	<0.695	37	<2.00	37	<10.00	37	<59.5	37	<23.8	37	<73.8	37	<35.9	37	1.6	37	<1.34
2,4,6-trichlorophenol	2	<7.5	2	<7.5	2	<1.50	2	<5.18	2	<25.90	2	<140.0	2	<56.0	2	<99.6	2	<48.4	2	<1.89	2	<1.89

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Bases/Neutrals (µg/L) ²																						
Acenaphthene	198	<3.5	198	<3.5	198	<0.704	198	<1.31	198	<6.55	198	<85.0	198	<34.0	198	<27.9	198	<13.5	198	<1.03	198	<1.03
Acenaphthylene	NS	<14	NS	<14	NS	<2.77	NS	<1.54	NS	<7.70	NS	<63.5	NS	<25.4	NS	<36.0	NS	<17.5	NS	<1.00	NS	<1.00
Anthracene	74	<3.5	74	<3.5	74	<0.700	74	<1.64	74	<8.20	74	<44.5	74	<17.8	74	<36.0	74	<17.5	74	<2.88	74	<2.88
Benz(a)anthracene	0.02	<3.9	0.02	<3.9	0.02	<0.772	0.02	<2.65	0.02	<13.25	0.02	<78.5	0.02	<31.4	0.02	<36.0	0.02	<17.5	0.02	<1.08	0.02	<1.08
Benzo(a)pyrene	0.02	<3.7	0.02	<3.7	0.02	<0.743	0.02	<4.47	0.02	<22.35	0.02	<96.5	0.02	<38.6	0.02	<38.9	0.02	<18.9	0.02	<3.77	0.02	<3.77
Benzo(b)fluoranthene	0.02	<3.7	0.02	<3.7	0.02	<0.747	0.02	<3.92	0.02	<19.60	0.02	<169.5	0.02	<67.8	0.02	<50.5	0.02	<24.5	0.02	<1.46	0.02	<1.46
Benzo(g,h,i)perylene	NS	<3.8	NS	<3.8	NS	<0.770	NS	<3.40	NS	<17.00	NS	<70.5	NS	<28.2	NS	<36.0	NS	<17.5	NS	<1.29	NS	<1.29
Benzo(k)fluoranthene	0.02	<3.9	0.02	<3.9	0.02	<0.779	0.02	<3.00	0.02	<15.00	0.02	<57.5	0.02	<23.0	0.02	<29.1	0.02	<14.1	0.02	<1.04	0.02	<1.04
Chrysene	0.02	<4.0	0.02	<4.0	0.02	<0.800	0.02	<2.56	0.02	<12.80	0.02	<44.5	0.02	<17.8	0.02	<30.8	0.02	<14.9	0.02	<1.41	0.02	<1.41
Dibenz(a,h)anthracene	0.02	<3.7	0.02	<3.7	0.02	<0.743	0.02	<4.06	0.02	<20.30	0.02	<202.5	0.02	<81.0	0.02	<41.2	0.02	<20.0	0.02	<1.24	0.02	<1.24
1,2-dichlorobenzene	205	<13	205	<13	205	<2.70	205	<1.27	205	<6.35	205	<108.5	205	<43.4	205	<5.6	205	<2.7	205	<1.76	205	<1.76
1,3-dichlorobenzene	2,500	<12	2,500	<12	2,500	<2.39	2,500	<1.19	2,500	<5.95	2,500	<121.0	2,500	<48.4	2,500	<23.5	2,500	<11.4	2,500	<1.74	2,500	<1.74
1,4-dichlorobenzene	2,000	<14	2,000	<14	2,000	<2.73	2,000	<1.42	2,000	<7.10	2,000	<106.5	2,000	<42.6	2,000	<21.8	2,000	<10.6	2,000	<1.56	2,000	<1.56
3,3-dichlorobenzidine	0.03	<16	0.03	<16	0.03	<3.17	0.03	<11.80	0.03	<59.00	0.03	<369.0	0.03	<147.6	0.03	<567.2	0.03	<275.4	0.03	<6.06	0.03	<6.06
Diethyl phthalate	8,767	<3.9	8,767	<3.9	8,767	<0.777	8,767	<1.92	8,767	<9.60	8,767	<74.0	8,767	<29.6	8,767	<39.5	8,767	<19.2	8,767	<2.37	8,767	<2.37
Dimethyl phthalate	17,000	<3.9	17,000	<3.9	17,000	<0.788	17,000	<1.69	17,000	<8.45	17,000	<60.5	17,000	<24.2	17,000	<37.2	17,000	<18.1	17,000	<2.42	17,000	<2.42
Di-n-butyl phthalate	470	<5.1	470	<5.1	470	<1.03	470	<4.26	470	<21.30	470	<114.5	470	<45.8	470	<46.4	470	<22.5	470	<1.85	470	<1.85
2,4-dinitrotoluene	421	<15	421	<15	421	<3.00	421	<2.69	421	<13.45	421	<65.5	421	<26.2	421	<42.6	421	<20.7	421	<2.12	421	<2.12
2,6-dinitrotoluene	3,733	<3.8	3,733	<3.8	3,733	<0.753	3,733	<3.88	3,733	<19.40	3,733	<93.5	3,733	<37.4	3,733	<52.4	3,733	<25.5	3,733	<1.12	3,733	<1.12
Di-n-octyl phthalate	373,333	<6.7	373,333	<6.7	373,333	<1.35	373,333	<7.86	373,333	<39.30	373,333	<206.5	373,333	<82.6	373,333	<59.9	373,333	<29.1	373,333	<1.10	373,333	<1.10
1,2-diphenylhydrazine (as azobenzene)	NS	<3.6	NS	<3.6	NS	<0.714	NS ⁸	<1.44	NS ⁸	<7.20	NS ⁸	<53.5	NS ⁸	<21.4	NS ⁸	<48.5	NS ⁸	<23.5	NS ⁸	<6.70	NS ⁸	<6.70
Fluoranthene	28	<4.2	28	<4.2	28	<0.841	28	<2.45	28	<12.25	28	<33.5	28	<13.4	28	<37.2	28	<18.1	28	<1.35	28	<1.35
Fluorene	1,067	<3.6	1,067	<3.6	1,067	<0.711	1,067	<1.31	1,067	<6.55	1,067	<84.0	1,067	<33.6	1,067	<32.0	1,067	<15.6	1,067	<4.81	1,067	<4.81
Hexachlorobenzene	0.0003	<2.9	0.0003	<2.9	0.0003	<0.575	0.0003	<1.50	0.0003	<7.50	0.0003	<65.0	0.0003	<26.0	0.0003	<28.9	0.0003	<14.0	0.0003	<1.23	0.0003	<1.23
Hexachlorobutadiene	18	<15	18	<15	18	<2.94	18	<1.84	18	<9.20	18	<68.5	18	<27.4	18	<6.9	18	<3.3	18	<1.82	18	<1.82
Hexachlorocyclopentadiene	3.5	<16	3.5	<16	3.5	<3.10	3.5	<3.74	3.5	<18.70	3.5	<66.0	3.5	<26.4	3.5	<47.2	3.5	<22.9	3.5	<1.23	3.5	<1.23
Hexachloroethane	3.3	<15	3.3	<15	3.3	<3.00	3.3	<1.34	3.3	<6.70	3.3	<70.0	3.3	<28.0	3.3	<8.3	3.3	<4.0	3.3	<1.62	3.3	<1.62
Indeno(1,2,3-cd)pyrene	0.2	<3.8	0.2	<3.8	0.2	<0.768	0.2	<4.19	0.2	<20.95	0.2	<166.5	0.2	<66.6	0.2	<42.2	0.2	<20.5	0.2	<1.39	0.2	<1.39
Isophorone	961	<3.5	961	<3.5	961	<0.706	961	<1.73	961	<8.65	961	<95.0	961	<38.0	961	<29.3	961	<14.2	961	<2.14	961	<2.14
Naphthalene	1,524	<12	1,524	<12	1,524	<2.48	1,524	<1.03	1,524	<5.15	1,524	<71.0	1,524	<28.4	1,524	<25.0	1,524	<12.1	1,524	<1.83	1,524	<1.83
Nitrobenzene	138	<3.6	138	<3.6	138	<0.718	138	<2.38	138	<11.90	138	<65.5	138	<26.2	138	<25.6	138	<12.4	138	<2.10	138	<2.10
N-nitrosodimethylamine	0.03	<11	0.03	<11	0.03	<2.18	0.03	<1.03	0.03	<5.15	0.03	<82.0	0.03	<32.8	0.03	<25.0	0.03	<12.1	0.03	<1.00	0.03	<1.00
N-nitrosodi-n-propylamine	0.5	<3.6	0.5	<3.6	0.5	<0.725	0.5	<2.65	0.5	<13.25	0.5	<94.0	0.5	<37.6	0.5	<31.4	0.5	<15.3	0.5	<1.15	0.5	<1.15
N-nitrosodiphenylamine	6	<16	6	<16	6	<3.24	6	<1.64	6	<8.20	6	<50.0	6	<20.0	6	<63.2	6	<30.7	6	<3.57	6	<3.57

NOTES:
NS = no standard applicable to the designated use
T = Total
D = Dissolved
D^a = Result is assumed based upon a 1:1 ratio to total metals
T&D = Total and Dissolved
Bold text indicates a sample result greater than the SWQS.
Italicized text indicated a laboratory detection limit higher than the SWQS.

Footnotes

1

The Permittee shall report on any additional parameters that were monitored for seasonal stormwater sampling as required by Section 6.0 of this permit (Special Conditions).

2

Analytical results shall be reported in the units specified for each category or parameter.

3

Report the average flow rate for the sampling period (no more than 6 hours).

4

Standard for total PCBs of 11 µg/L A&We and 19 µg/L PBC.

5

SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

6

Results for cyanide were collected on 2/19/11 (SC046 on 2/27/11) due to missed hold time on previous samples.

7

The method blanks used by the laboratory contained the same concentration of Azobenzene as the outfall sample.

8

In reporting years 2008-2010, the SWQS for 1,2 diphenylhydrazine was listed. Since COP wet weather samples are analyzed as azobenzene and Arizona has no SWQS for azobenzene, the table now says NS.

9

The sample was lost during extraction at the laboratory due to the glassware breaking.

SR03	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	1/19/10	SWQS	7/31/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/23/13	SWQS	8/12/14	SWQS	12/4/14
Phenanthrene	30	<3.6	30	<3.6	30	<0.711	30	<1.28	30	<6.40	30	<38.0	30	<15.2	30	<33.9	30	<16.5	30	<1.39	30	<1.39
Pyrene	800	<4.2	800	<4.2	800	<0.835	800	<2.45	800	<12.25	800	<116.5	800	<46.6	800	<34.1	800	<16.6	800	<3.86	800	<3.86
1,2,4-trichlorobenzene	70	<13	70	<13	70	<2.64	70	<1.42	70	<7.10	70	<133.0	70	<53.2	70	<6.7	70	<3.2	70	<1.69	70	<1.69
Pesticides (µg/L) ²																		NOT RUN ⁹				
Aldrin	0.00005	<0.60	0.00005	<0.12	0.00005	<0.060	0.00005	<0.013	0.00005	<0.013	0.00005	<0.058	0.00005	<0.046	0.00005	<0.046	0.00005		0.00005	<0.027	0.00005	<0.027
Alpha-BHC	0.005	<0.50	0.005	<0.10	0.005	<0.050	0.005	<0.016	0.005	<0.016	0.005	<0.044	0.005	<0.038	0.005	<0.038	0.005		0.005	<0.021	0.005	<0.021
Beta-BHC	0.02	<0.50	0.02	<0.10	0.02	<0.050	0.02	<0.085	0.02	0.183	0.02	<0.048	0.02	<0.095	0.02	<0.095	0.02		0.02	<0.072	0.02	<0.072
Gamma-BHC	1	<0.50	1	<0.10	1	<0.050	1	<0.014	1	<0.014	1	<0.055	1	<0.033	1	<0.033	1		1	<0.034	1	<0.034
Delta-BHC	1,600	<0.50	1,600	<0.10	1,600	<0.050	1,600	<0.016	1,600	<0.016	1,600	<0.035	1,600	<0.032	1,600	<0.032	1,600		1,600	<0.021	1,600	<0.021
Chlordane	0.0008	<7.0	0.0008	<1.4	0.0008	<0.700	0.0008	<0.35	0.0008	<0.35	0.0008	<0.29	0.0008	<0.16	0.0008	<0.16	0.0008		0.0008	<0.14	0.0008	<0.14
4,4'-DDT	0.0002	<0.60	0.0002	<0.12	0.0002	<0.060	0.0002	<0.020	0.0002	<0.020	0.0002	<0.052	0.0002	<0.029	0.0002	<0.029	0.0002		0.0002	<0.025	0.0002	<0.025
4,4'-DDE	0.0002	<0.50	0.0002	<0.10	0.0002	<0.050	0.0002	<0.011	0.0002	<0.011	0.0002	<0.036	0.0002	<0.034	0.0002	<0.034	0.0002		0.0002	<0.010	0.0002	<0.010
4,4'-DDD	0.0002	<0.50	0.0002	<0.10	0.0002	<0.050	0.0002	<0.017	0.0002	<0.017	0.0002	<0.031	0.0002	<0.023	0.0002	<0.023	0.0002		0.0002	<0.031	0.0002	<0.031
Dieldrin	0.00005	<0.50	0.00005	<0.10	0.00005	<0.050	0.00005	<0.024	0.00005	<0.024	0.00005	<0.045	0.00005	<0.028	0.00005	<0.028	0.00005		0.00005	<0.030	0.00005	<0.030
Alpha-endosulfan	0.2	<0.50	0.2	<0.10	0.2	<0.050	0.2	<0.010	0.2	<0.010	0.2	<0.048	0.2	<0.034	0.2	<0.034	0.2		0.2	<0.018	0.2	<0.018
Beta-endosulfan	0.2	<0.50	0.2	<0.10	0.2	<0.050	0.2	<0.021	0.2	<0.021	0.2	<0.054	0.2	<0.034	0.2	<0.034	0.2		0.2	<0.032	0.2	<0.032
Endosulfan sulfate	0.2	<0.50	0.2	<0.10	0.2	<0.050	0.2	<0.015	0.2	<0.015	0.2	<0.030	0.2	<0.025	0.2	<0.025	0.2		0.2	<0.008	0.2	0.078
Endrin	0.004	<0.60	0.004	<0.12	0.004	<0.060	0.004	<0.019	0.004	<0.019	0.004	<0.036	0.004	<0.035	0.004	<0.035	0.004		0.004	<0.017	0.004	<0.017
Endrin aldehyde	0.09	<0.50	0.09	<0.10	0.09	<0.050	0.09	<0.015	0.09	<0.015	0.09	<0.014	0.09	<0.038	0.09	<0.038	0.09		0.09	<0.032	0.09	<0.032
Heptachlor	0.00008	<0.60	0.00008	<0.12	0.00008	<0.060	0.00008	<0.012	0.00008	<0.012	0.00008	<0.045	0.00008	0.099	0.00008	<0.035	0.00008		0.00008	<0.027	0.00008	0.063
Heptachlor epoxide	0.00004	<0.50	0.00004	<0.10	0.00004	<0.050	0.00004	<0.010	0.00004	<0.010	0.00004	<0.045	0.00004	<0.032	0.00004	<0.032	0.00004		0.00004	<0.008	0.00004	<0.008
PCB-1242	⁴	<3.0	⁴	<0.60	⁴	<0.300	⁴	<0.40	⁴	<0.40	⁴	<0.34	⁴	<0.41	⁴	<0.41	⁴		⁴	<0.37	⁴	<0.37
PCB-1254	⁴	<5.0	⁴	<1.0	⁴	<0.500	⁴	<0.22	⁴	<0.22	⁴	<0.34	⁴	<0.20	⁴	<0.20	⁴		⁴	<0.23	⁴	<0.23
PCB-1221	⁴	<9.0	⁴	<1.8	⁴	<0.900	⁴	<0.34	⁴	<0.34	⁴	<0.55	⁴	<0.68	⁴	<0.68	⁴		⁴	<0.22	⁴	<0.22
PCB-1232	⁴	<0.70	⁴	<0.14	⁴	<0.070	⁴	<.041	⁴	<0.41	⁴	<0.77	⁴	<0.66	⁴	<0.66	⁴		⁴	<0.55	⁴	<0.55
PCB-1248	⁴	<2.0	⁴	<0.40	⁴	<0.200	⁴	<0.21	⁴	<0.21	⁴	<0.30	⁴	<0.78	⁴	<0.78	⁴		⁴	<0.19	⁴	<0.19
PCB-1260	⁴	<4.0	⁴	<0.80	⁴	<0.400	⁴	<0.19	⁴	<0.19	⁴	<0.34	⁴	<0.21	⁴	<0.21	⁴		⁴	<0.32	⁴	<0.32
PCB-1016	⁴	<4.0	⁴	<0.80	⁴	<0.400	⁴	<0.26	⁴	<0.26	⁴	<0.37	⁴	<0.36	⁴	<0.36	⁴		⁴	<0.18	⁴	<0.18
Toxaphene	0.0003	<7.0	0.0003	<1.4	0.0003	<0.700	0.0003	<0.33	0.0003	<0.33	0.0003	<0.79	0.0003	<0.53	0.0003	<0.53	0.0003		0.0003	<0.22	0.0003	<0.22

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D⁹ = Result is assumed based upon a 1:1 ratio to total metals
T&D = Total and Dissolved
Bold text indicates a sample result greater than the SWQS.
Italicized text indicated a laboratory detection limit higher than the SWQS.

Footnotes

1 The Permittee shall report on any additional parameters that were monitored for seasonal stormwater sampling as required by Section 6.0 of this permit (Special Conditions).

2 Analytical results shall be reported in the units specified for each category or parameter.

3 Report the average flow rate for the sampling period (no more than 6 hours).

4 Standard for total PCBs of 11 µg/L A&We and 19 µg/L PBC.

5 SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

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9 The sample was lost during extraction at the laboratory due to the glassware breaking.

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OUTFALL ID: SR30 RECEIVING WATER: Salt River DESIGNATED USES: A&Wedw, PBC, FC, Agl, and AgL	MONITORING SEASONS Summer: June 1 – October 31 Winter: November 1 – May 31																					
	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
	SAMPLING DATE(S):	SWQS	1/19/10	SWQS	8/28/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	12/12/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/12/14	SWQS
MONITORING PARAMETERS ^{1, 2}																						
Conventional Parameters																						
Flow ³ (cfs)	NS	4.119	NS	1.01	NS	0.547	NS	1.233	NS	3.956	NS	14.79	NS	1.62	NS	40.52	NS	7.51	NS	69.2	NS	3.094
pH	6.5-9	8.4	6.5-9	7.50	6.5-9	8.20	6.5-9	7.62	6.5-9	7.60	6.5-9	7.90	6.5-9	8.33	6.5-9	8.14	6.5-9	8.49	6.5-9	8.17	6.5-9	8.15
Temperature (°C)	Varies	14.5	Varies	29.0	Varies	16.5	Varies	29.5	Varies	15.5	Varies	27.2	Varies	17.0	Varies	26.5	Varies	18.5	Varies	26.2	Varies	19.0
Hardness (mg/L)	400	500 ⁵	400	169	400	220	400	133	400	32.1	400	42.1	400	49.5	400	33.1	400	64.3	400	85.5	400	31.0
Total Dissolved Solids (TDS) (mg/L) ²	NS	240	NS	233	NS	177	NS	470	NS	112	NS	132	NS	206	NS	120	NS	204	NS	332	NS	96
Total Suspended Solids (TSS) (mg/L) ²	NS	3,300	NS	550	NS	564	NS	780	NS	464	NS	618	NS	440	NS	392	NS	355	NS	251	NS	296
Biochemical Oxygen Demand (BOD) (mg/L) ²	NS	37	NS	29.8	NS	20.0	NS	<120	NS	25	NS	18	NS	35	NS	17	NS	53	NS	9	NS	14
Chemical Oxygen Demand (COD) (mg/L) ²	NS	250	NS	125	NS	235	NS	550	NS	220	NS	230	NS	310	NS	140	NS	340	NS	94	NS	160

SR30	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	1/19/10	SWQS	8/28/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	12/12/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
Inorganics																						
Cyanide, total (µg/L) ²	41T	<5.0	41T	<5.0	41T	<5.00	41T	<5.0	41T	<5.0	41T	<5	41T	<5	41T	<50	41T	<5	41T	<5	41T	<5
Nutrients (mg/L) ²																						
Nitrate + Nitrite as N	NS	1.3	NS	1.13	NS	0.786	NS	1.1	NS	0.8	NS	1.2	NS	1.4	NS	1.2	NS	2.1	NS	1.0	NS	0.8
Ammonia as N	3.88	5.6	19.9	1.12	5.72	0.692	16.48	1.3	17.0	0.74	10.1	1.3	4.46	1.6	6.46	1.2	3.27	2.3	4.07	0.56	4.24	0.76
Total Kjeldahl Nitrogen (TKN)	NS	15	NS	4.25	NS	5.04	NS	8.2	NS	2.9	NS	4.0	NS	5.3	NS	4.2	NS	6.3	NS	1.7	NS	2.3
Total Phosphorus as P	NS	8.1	NS	0.899	NS	<0.500	NS	1.6	NS	1.4	NS	0.92	NS	0.79	NS	0.46	NS	1.4	NS	0.83	NS	0.39
Ortho-Phosphorus as P	NS	5.2	NS	0.213	NS	0.234	NS	0.2	NS	0.2	NS	0.3	NS	0.3	NS	0.4	NS	0.3	NS	0.1	NS	0.2
Microbiological																						
<i>Escherichia coli</i> (<i>E. coli</i>) (CFU/100 mg or MPN/100 mL) ²	575	>2,419.6	575	10,810	575	14,140	575	1,986.3	575	>2,419.6	575	>2,419.6	575	>2,419.6	575	>2419.6	575	2419.6	575	>2,419.6	575	>2,419.6

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Total Metals (µg/L) ²																						
Antimony	640 T 1,000 D	<25 T&D	640 T 1,000 D	<25 T&D	640 T 1,000 D	<25 T&D	640 T 1,000 D	2.5 T 2.0 D	640 T 1,000 D	2.2 T 0.9 D	640 T 1,000 D	1.4 T 0.9 D	640 T 1,000 D	2.5 T 1.0 D	640 T 1,000 D	1.2 T 0.4 D	640 T 1,000 D	2.4 T 1.2 D	640 T 1,000 D	<25 T&D	640 T 1,000 D	<25 T&D
Arsenic	80 T 340 D	35 T <10 D	80 T 340 D	<10 T&D	80 T 340 D	<10 T&D	80 T 340 D	10.1 T 3.0 D	80 T 340 D	5.3 T 1.2 D	80 T 340 D	6.8 T 1.8 D	80 T 340 D	5.3 T 1.7 D	80 T 340 D	8.0 T 1.2 D	80 T 340 D	4.9 T 1.5 D	80 T 340 D	35 T <10 D	80 T 340 D	<10 T&D
Barium	98,000 T	670 T 13 D	98,000 T	206 T 38 D	98,000 T	256 T 21 D	98,000 T	291 T 60 D	98,000 T	164 T 12 D	98,000 T	194 T 18 D	98,000 T	175 T 20 D	98,000 T	236 T 14 D	98,000 T	160 T 28 D	98,000 T	670 T 13 D	98,000 T	206 T 38 D
Beryllium	84 T	2.2 T <2.0 D	84 T	<2 T&D	84 T	<2 T&D	84 T	1.0 T <0.15 D	84 T	0.6 T <0.06 D	84 T 3.39 D	0.7 T <0.15 D	84 T 3.17 D	0.57 T <0.15 D	84 T	0.94 T <0.15 D	84 T	0.45 T <0.06 D	84 T	2.2 T <2.0 D	84 T	<2 T&D
Cadmium ⁵	50 T 30.23 D	4.6 T <3.0 D	50 T 13.10 D	<3 T&D	50 T 16.93 D	<3 T&D	50 T 10.38 D	1.0 T <0.25 D	50 T 2.61 D	0.8 T <0.10 D	50 T	0.7 T <0.25 D	50 T 3.97 D	0.8 T <0.25 D	50 T 2.68 D	0.8 T <0.25 D	50 T 5.12 D	0.5 T <0.10 D	50 T 30.23 D	4.6 T <3.0 D	50 T 13.10 D	<3 T&D
Chromium	1,000 T	57 T <10 D	1,000 T	17.8 T <10 D	1,000 T	28 T <10 D	1,000 T	27.1 T <4.50 D	1,000 T	16 T <1.80 D	1,000 T	18.8 T <2.00 D	1,000 T	14.3 T 2.8 D	1,000 T	23.9 T <2.00 D	1,000 T	13.7 T 1.5 D	1,000 T	57 T <10 D	1,000 T	17.8 T <10 D
Copper ⁵	500 T 49.62 D	210 T 10 D	500 T 22.03 D	75 T 14 D	500 T 28.25 D	110 T 14 D	500 T 17.58 D	117 T 24.9 D	500 T 4.60 D	70.9 T 15.6 D	500 T 5.94 D	66.1 T 13.1 D	500 T 6.93 D	75.0 T 20.2 D	500 T 4.74 D	65.8 T 10.6 D	500 T 8.87 D	75.2 T 30.9 D	500 T 49.62 D	210 T 10 D	500 T 22.03 D	75 T 14 D
Lead ⁵	15 T 280.85 D	110 T <10 D	15 T 113.78 D	71 T <10 D	15 T 150.61 D	62 T <10 D	15 T 87.97 D	65.8 T 1.3 D	15 T 18.38 D	41.1 T 0.7 D	15 T 24.89 D	49.0 T 0.5 D	15 T 29.81 D	41.4 T 0.7 D	15 T 19.03 D	60.8 T 1.1 D	15 T 39.80 D	27.6 T 0.9 D	15 T 280.85 D	110 T <10 D	15 T 113.78 D	71 T <10 D
Mercury	10 T 2.4 D	<0.2 T&D	10 T 2.4 D	<0.20 T <0.20 D	10 T 2.4 D	<0.2000T <0.2000 D	10 T 2.4 D	0.17 T <0.092 D	10 T 2.4 D	<0.092 T&D	10 T 2.4 D	0.09 T <0.040 D	10 T 2.4 D	<0.040 T <0.040 D	10 T 2.4 D	0.04 T <0.020 D	10 T 2.4 D	<0.020 T <0.020 D	10 T 2.4 D	<0.2 T&D	10 T 2.4 D	<0.20 T <0.20 D
Nickel	511 T 1,513 D	110 T <10 D	511 T 730 D	23 T <10 D	511 T 912 D	36 T <10 D	511 T 596	41.5 T 15.2 D	511 T 179.4 D	20.3 T 2.1 D	511 T 225.4 D	25.1 T 2.3 D	511 T 258 D	19.6 T 3.5 D	511 T 183.5 D	30.6 T 2.1 D	511 T 322.2 D	18.9 T 4.6 D	511 T 1,513 D	110 T <10 D	511 T 730 D	23 T <10 D
Selenium	20 T	<2.0 T&D	20 T	<2.00 T <2.00 D	20 T	<2.00 T&D	20 T	0.89 T 0.9 D	20 T	<0.85 T <0.34 D	20 T	0.85 T <0.60 D	20 T	0.65 T <0.60 D	20 T	<0.60 T <0.60 D	20 T	0.66 T 0.4 D	20 T	<2.0 T&D	20 T	<2.00 T <2.00 D
Silver ⁵	4,667 T 34.91 D	<5 T&D	4,667 T 7.93 D	<5 T&D	4,667 T 12.48 D	<5 T&D	4,667 T 5.25 D	0.4 T <0.2 D	4,667 T 0.45 D	0.3 T <0.2 D	4,667 T 0.723 D	0.3 T <0.15 D	4,667 T 0.96 D	0.2 T <0.15 D	4,667 T 0.482 D	0.2 T <0.15 D	4,667 T 1.502 D	0.2 T <0.15 D	4,667 T 34.91 D	<5 T&D	4,667 T 7.93 D	<5 T&D
Thallium	1 T 700 D	0.9 T <0.5 D	1 T 700 D	<0.5 T&D	1 T 700 D	<0.50 T <0.5 D	1 T 700 D	0.23 T <0.20 D	1 T 700 D	0.21 T <0.08 D	1 T 700 D	0.20 T <0.20 D	1 T 700 D	<0.20 T <0.20 D	1 T 700 D	0.20 T <0.20 D	1 T 700 D	<0.20 T <0.08 D	1 T 700 D	0.9 T <0.5 D	1 T 700 D	<0.5 T&D
Zinc ⁵	5,106 T 379.3 D	770 T <50 D	5,106 T 182.8 D	397 T <50 D	5,106 T 228.6 D	554 T <50 D	5,106 T 149.2 D	500 T 68.6 D	5,106 T 44.72 D	351 T 14.2 D	5,106 T 56.31 D	385 T 10.8 D	5,106 T 64.55 D	374 T 19.2 D	5,106 T 45.92 D	452 T 13.7 D	5,106 T 80.6 D	302 T 31.4 D	5,106 T 379.3 D	770 T <50 D	5,106 T 182.8 D	397 T <50 D
Organic Toxic Pollutants																						
Total Petroleum Hydrocarbons (TPH) (mg/L) ²	NS	<5.0	NS	<5.00	NS	<5.00	NS	<10	NS	<10	NS	<5	NS	<10	NS	<11	NS	<11	NS	<10	NS	<10
Total Oil and Grease (mg/L) ²	NS	<5.0	NS	<5.00	NS	<5.00	NS	<10	NS	5	NS	<5	NS	8.4	NS	<5.7	NS	6.4	NS	<5.0	NS	<5.0
VOCs, Semi-VOCs, & Pesticides (µg/L) ²																						
Acrolein	1.9	<500	1.9	<50.0	1.9	<50.0	1.9	<1.86	1.9	<0.37	1.9	<2.93	1.9	<1.465	1.9	<0.20	1.9	<0.20	1.9	<2.00	1.9	<0.40
Acrylonitrile	0.2	<50	0.2	<1.00	0.2	<5.00	0.2	<0.84	0.2	<0.17	0.2	<2.26	0.2	<1.130	0.2	<0.16	0.2	<0.16	0.2	<0.70	0.2	<0.14
Benzene	114	<0.50	114	<0.500	114	<0.500	114	<2.30	114	<0.20	114	<4.0	114	<0.75	114	<1.20	114	<0.24	114	<0.65	114	<0.13
Bromoform	133	<1.0	133	<1.00	133	<1.00	133	<4.15	133	<0.25	133	<5.0	133	<2.15	133	<2.35	133	<0.47	133	<1.40	133	<0.28
Carbon tetrachloride	2	<0.50	2	<0.500	2	<0.500	2	<2.30	2	<0.31	2	<6.2	2	<1.65	2	<1.30	2	<0.26	2	<1.15	2	<0.23

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Chlorobenzene	1,553	<0.50	1,553	<0.500	1,553	<0.500	1,553	<3.70	1,553	<0.25	1,553	<5.0	1,553	<1.40	1,553	<0.80	1,553	<0.16	1,553	<0.65	1,553	<0.13
Chlorodibromomethane	13	<0.50	13	<0.500	13	<0.500	13	<3.90	13	<0.21	13	<4.2	13	<1.30	13	<0.90	13	<0.18	13	2.6	13	<0.24
Chloroethane (ethyl chloride)	NS	<5.0	NS	<5.00	NS	<5.00	NS	<2.25	NS	<0.14	NS	<2.8	NS	<1.35	NS	<1.10	NS	<0.22	NS	<0.95	NS	<0.19
2-chloroethylvinyl ether	180,000	<20	180,000	<5.00	180,000	<2.00	180,000	<0.174	180,000	<0.174	180,000	<2.2	180,000	<0.22	180,000	<0.22	180,000	<0.22	180,000	<0.95	180,000	<0.19
Chloroform	2,133	<0.50	2,133	<0.500	2,133	<0.500	2,133	<2.30	2,133	<0.40	2,133	<8.0	2,133	<1.05	2,133	<1.15	2,133	<0.23	2,133	0.92	2,133	<0.14
Dichlorobromomethane	17	<0.50	17	<0.500	17	<0.500	17	<2.95	17	<0.23	17	<4.6	17	<0.75	17	<1.15	17	<0.23	17	2.2	17	<0.15
1,1-dichloroethane	NS	<1.0	NS	<1.00	NS	<1.00	NS	<2.15	NS	<0.18	NS	<3.6	NS	<0.65	NS	<1.30	NS	<0.26	NS	<0.95	NS	<0.19
1,2-dichloroethane	37	<1.0	37	<1.00	37	<1.00	37	<2.45	37	<0.20	37	<4.0	37	<0.80	37	<1.25	37	<0.25	37	<0.55	37	<0.11
1,1-dichloroethylene	7,143	<1.0	7,143	<1.00	7,143	<1.00	7,143	<2.10	7,143	<0.23	7,143	<4.6	7,143	<1.85	7,143	<1.40	7,143	<0.28	7,143	<1.35	7,143	<0.27
1,2-dichloropropane	17,518	<0.50	17,518	<0.500	17,518	<0.500	17,518	<2.50	17,518	<0.22	17,518	<4.4	17,518	<0.75	17,518	<1.25	17,518	<0.25	17,518	<0.90	17,518	<0.18
1,3-dichloropropylene	42	<1.0	42	<1.00	42	<1.00	42	cis<2.85 trans<3.45	42	<0.19	42	cis<3.8 trans<3.8	42	cis<0.50 trans<0.75	42	cis<1.20 trans<1.10	42	cis<0.24 trans<0.22	42	<0.65	42	<0.13
Ethylbenzene	2,133	<2.0	2,133	<2.00	2,133	<2.00	2,133	<3.35	2,133	<0.27	2,133	<5.4	2,133	<1.45	2,133	<0.65	2,133	<0.13	2,133	<0.75	2,133	<0.15
Methyl bromide	299	<5.0	299	<5.00	299	<5.00	299	<2.35	299	<0.14	299	<2.8	299	<0.95	299	<0.95	299	<0.19	299	<0.90	299	<0.18
Methyl chloride	270,000	<5.0	270,000	<5.00	270,000	<5.00	270,000	<2.15	270,000	<0.20	270,000	<4.0	270,000	<1.85	270,000	<1.40	270,000	<0.28	270,000	<1.15	270,000	<0.23
Methylene chloride	593	<3.0	593	<3.00	593	<3.00	593	2.0	593	<0.45	593	10	593	1.8	593	<1.00	593	<0.20	593	<1.00	593	<0.20
1,1,2,2-tetrachloroethane	4	<0.50	4	<0.500	4	<0.500	4	<4.65	4	<0.11	4	<2.2	4	<2.45	4	<2.00	4	<0.40	4	<1.75	4	<0.35
Tetrachloroethylene	261	<0.50	261	<0.500	261	<0.500	261	<2.40	261	<0.26	261	<5.2	261	<1.15	261	<1.05	261	<0.21	261	<0.65	261	<0.13
Toluene	8,700	<3.0	8,700	<3.00	8,700	<3.00	8,700	<2.40	8,700	<0.23	8,700	<4.6	8,700	<0.60	8,700	<0.95	8,700	<0.19	8,700	<0.55	8,700	<0.11
1,2-trans-dichloroethylene	10,127	<0.50	10,127	<0.500	10,127	<0.500	10,127	<2.00	10,127	<0.14	10,127	<2.8	10,127	<0.85	10,127	<1.25	10,127	<0.25	10,127	<0.90	10,127	<0.18
1,1,1-trichloroethane	1,000	<0.50	1,000	<0.500	1,000	<0.500	1,000	<2.40	1,000	<0.28	1,000	<5.6	1,000	<1.15	1,000	<1.00	1,000	<0.20	1,000	<0.70	1,000	<0.14
1,1,2-trichloroethane	16	<0.50	16	<0.500	16	<0.500	16	<3.95	16	<0.22	16	<4.4	16	<1.20	16	<0.75	16	<0.15	16	<0.65	16	<0.13
Trichloroethylene	29	<0.50	29	<0.500	29	<0.500	29	<1.90	29	<0.35	29	<7.0	29	<1.20	29	<0.75	29	<0.15	29	<1.10	29	<0.22
1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	NS	<1.5	NS	<2.00 <1.5	NS	<2.00 <1.50	NS	<20 <20	NS	<1.0	NS	<20 <20	NS	<5.0 <5.0	NS	<5.0 <5.0	NS	<1.0 <1.0	NS	<10.0 <5.0	NS	<1.0 <1.0
Vinyl chloride	5	<0.50	5	<0.500	5	<0.500	5	<2.35	5	<0.19	5	<3.8	5	<2.50	5	<1.00	5	<0.20	5	<1.10	5	<0.22
Xylenes, Total	186,667	<3.0	186,667	<1.00	186,667	<1.00	186,667	<0.95	186,667	<0.51	186,667	<10.2	186,667	<2.90	186,667	<1.50	186,667	<0.30	186,667	<1.25	186,667	<0.13
Acid Compounds (µg/L) ²																						
2-chlorophenol	30	<12	30	<12.3	30	<4.92	30	<22.1	30	<44.2	30	<24.2	30	<22.8	30	<214.5	30	<45.5	30	<1.48	30	<1.48
2,4-dichlorophenol	59	<6.9	59	<6.90	59	<2.76	59	<24.2	59	<48.4	59	<25.9	59	<24.4	59	<211.0	59	<44.7	59	<1.65	59	<1.65
2,4-dimethylphenol	171	<15	171	<14.7	171	<5.86	171	<17.2	171	<34.4	171	<31.0	171	<29.2	171	<114.0	171	<24.2	171	<2.20	171	<2.20
4,6-dinitro-o-cresol	310	<14	310	<13.6	310	<5.42	310	<21.8	310	<43.6	310	<29.3	310	<27.6	310	<149.0	310	<31.6	310	<1.22	310	<1.22
2,4-dinitrophenol	110	<10	110	<10.2	110	<4.07	110	<10.0	110	<20.0	110	<29.5	110	<27.8	110	<129.5	110	<27.5	110	<1.13	110	<1.13
2-nitrophenol	NS	<7.3	NS	<7.30	NS	<2.92	NS	<23.1	NS	<46.2	NS	<58.9	NS	<55.6	NS	<205.5	NS	<43.6	NS	<1.57	NS	<1.57
4-nitrophenol	4,100	<2.1	4,100	<2.12	4,100	<0.846	4,100	<79.7	4,100	<159.4	4,100	<173.0	4,100	<163.2	4,100	<233.5	4,100	<49.5	4,100	<1.14	4,100	2.6
p-chloro-m-cresol	15	<6.2	15	<6.25	15	<2.50	15	<19.6	15	<39.2	15	<39.4	15	<37.2	15	<220.5	15	<46.7	15	<1.65	15	<1.65

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SR30	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	1/19/10	SWQS	8/28/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	12/12/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
Pentachlorophenol	37.040	<15	14.992	<14.9	30.296	<5.97	16.927	<43.7	16.577	<87.4	22.410	<43.9	34.561	<41.4	28.558	<168.0	40.564	<35.6	29.427	<1.39	28.848	<1.39
Phenol	37	<3.5	37	<3.48	37	<1.39	37	<20.0	37	<40.0	37	<25.2	37	<23.8	37	<177.5	37	<37.6	37	<1.34	37	<1.34
2,4,6-trichlorophenol	2	<7.5	2	<7.52	2	<3.01	2	<51.8	2	<103.6	2	<59.4	2	<56.0	2	<239.5	2	<50.8	2	<1.89	2	<1.89
Bases/Neutrals (µg/L) ²																						
Acenaphthene	198	<3.5	198	<3.52	198	<1.41	198	<13.1	198	<26.2	198	<36.0	198	<34.0	198	<67.0	198	<14.2	198	<1.03	198	<1.03
Acenaphthylene	NS	<14	NS	<13.8	NS	<5.54	NS	<15.4	NS	<30.8	NS	<26.9	NS	<25.4	NS	<86.5	NS	<18.3	NS	<1.00	NS	<1.00
Anthracene	74	<3.5	74	<3.50	74	<1.40	74	<16.4	74	<32.8	74	<18.9	74	<17.8	74	<86.5	74	<18.3	74	<2.88	74	<2.88
Benz(a)anthracene	0.02	<3.9	0.02	<3.86	0.02	<1.54	0.02	<26.5	0.02	<53.0	0.02	<33.3	0.02	<31.4	0.02	<86.5	0.02	<18.3	0.02	<1.08	0.02	<1.08
Benzo(a)pyrene	0.02	<3.7	0.02	<3.72	0.02	<1.49	0.02	<44.7	0.02	<89.4	0.02	<40.9	0.02	<38.6	0.02	<93.5	0.02	<19.8	0.02	<3.77	0.02	<3.77
Benzo(b)fluoranthene	0.02	<3.7	0.02	<3.74	0.02	<1.49	0.02	<39.2	0.02	<78.4	0.02	<71.9	0.02	<67.8	0.02	<121.5	0.02	<25.8	0.02	<1.46	0.02	<1.46
Benzo(g,h,i)perylene	NS	<3.8	NS	<3.85	NS	<1.54	NS	<34.0	NS	<68.0	NS	<29.9	NS	<28.2	NS	<86.5	NS	<18.3	NS	<1.29	NS	<1.29
Benzo(k)fluoranthene	0.02	<3.9	0.02	<3.90	0.02	<1.56	0.02	<30.0	0.02	<60.0	0.02	<24.4	0.02	<23.0	0.02	<70.0	0.02	<14.8	0.02	<1.04	0.02	<1.04
Chrysene	0.02	<4.0	0.02	<4.00	0.02	<1.60	0.02	<25.6	0.02	<51.2	0.02	<18.9	0.02	<17.8	0.02	<74.0	0.02	<15.7	0.02	<1.41	0.02	<1.41
Dibenz(a,h)anthracene	0.02	<3.7	0.02	<3.72	0.02	<1.49	0.02	<40.6	0.02	<81.2	0.02	<85.9	0.02	<81.0	0.02	<99.0	0.02	<21.0	0.02	<1.24	0.02	<1.24
1,2-dichlorobenzene	205	<13	205	<13.5	205	<5.39	205	<12.7	205	<25.4	205	<46.0	205	<43.4	205	<13.5	205	<2.9	205	<1.76	205	<1.76
1,3-dichlorobenzene	2,500	<12	2,500	<12.0	2,500	<4.79	2,500	<11.9	2,500	<23.8	2,500	<51.3	2,500	<48.4	2,500	<56.5	2,500	<12.0	2,500	<1.74	2,500	<1.74
1,4-dichlorobenzene	2,000	<14	2,000	<13.7	2,000	<5.47	2,000	<14.2	2,000	<28.4	2,000	<45.2	2,000	<42.6	2,000	<52.5	2,000	<11.1	2,000	<1.56	2,000	<1.56
3,3-dichlorobenzidine	0.03	<16	0.03	<15.8	0.03	<6.34	0.03	<118.0	0.03	<236.0	0.03	<156.5	0.03	<147.6	0.03	<1363.5	0.03	<289.1	0.03	<6.06	0.03	<6.06
Diethyl phthalate	8,767	<3.9	8,767	<3.89	8,767	<1.55	8,767	<19.2	8,767	<38.4	8,767	<31.4	8,767	<29.6	8,767	<95.0	8,767	<20.1	8,767	<2.37	8,767	<2.37
Dimethyl phthalate	17,000	<3.9	17,000	<3.94	17,000	<1.58	17,000	<16.9	17,000	<33.8	17,000	<25.7	17,000	<24.2	17,000	<89.5	17,000	<19.0	17,000	<2.42	17,000	<2.42
Di-n-butyl phthalate	470	<5.1	470	<5.13	470	<2.05	470	<42.6	470	<85.2	470	<48.5	470	<45.8	470	<111.5	470	<23.6	470	<1.85	470	<1.85
2,4-dinitrotoluene	421	<15	421	<15.0	421	<6.00	421	<26.9	421	<53.8	421	<27.8	421	<26.2	421	<102.5	421	<21.7	421	<2.12	421	<2.12
2,6-dinitrotoluene	3,733	<3.8	3,733	<3.77	3,733	<1.51	3,733	<38.8	3,733	<77.6	3,733	<39.6	3,733	<37.4	3,733	<126.0	3,733	<26.7	3,733	<1.12	3,733	<1.12
Di-n-octyl phthalate	373,333	<6.7	373,333	<6.73	373,333	<2.69	373,333	<78.6	373,333	<157.2	373,333	<87.6	373,333	<82.6	373,333	<144.0	373,333	<30.5	373,333	<1.10	373,333	<1.10
1,2-diphenylhydrazine (as azobenzene)	NS	<3.6	NS	9.00 ⁷	NS	<1.43	NS ⁸	<14.4	NS ⁸	<28.8	NS ⁸	<22.7	NS ⁸	<21.4	NS ⁸	<116.5	NS ⁸	<24.7	NS ⁸	<6.70	NS ⁸	<6.70
Fluoranthene	28	<4.2	28	<4.21	28	<1.68	28	<24.5	28	<49.0	28	<14.2	28	<13.4	28	<89.5	28	<19.0	28	<1.35	28	<1.35
Fluorene	1,067	<3.6	1,067	<3.56	1,067	<1.42	1,067	<13.1	1,067	<26.2	1,067	<35.6	1,067	<33.6	1,067	<77.0	1,067	<16.3	1,067	<4.81	1,067	<4.81
Hexachlorobenzene	0.0003	<2.9	0.0003	<2.88	0.0003	<1.15	0.0003	<15.0	0.0003	<30.0	0.0003	<27.6	0.0003	<26.0	0.0003	<69.5	0.0003	<14.7	0.0003	<1.23	0.0003	<1.23
Hexachlorobutadiene	18	<15	18	<14.7	18	<5.89	18	<18.4	18	<36.8	18	<29.0	18	<27.4	18	<16.5	18	<3.5	18	<1.82	18	<1.82
Hexachlorocyclopentadiene	3.5	<16	3.5	<15.5	3.5	<6.20	3.5	<37.4	3.5	<74.8	3.5	<28.0	3.5	<26.4	3.5	<113.5	3.5	<24.1	3.5	<1.23	3.5	<1.23
Hexachloroethane	3.3	<15	3.3	<15.0	3.3	<6.01	3.3	<13.4	3.3	<26.8	3.3	<29.7	3.3	<28.0	3.3	<20.0	3.3	<4.2	3.3	<1.62	3.3	<1.62
Indeno(1,2,3-cd)pyrene	0.2	<3.8	0.2	<3.84	0.2	<1.54	0.2	<41.9	0.2	<83.8	0.2	<70.6	0.2	<66.6	0.2	<101.5	0.2	<21.5	0.2	<1.39	0.2	<1.39
Isophorone	961	<3.5	961	<3.53	961	<1.41	961	<17.3	961	<34.6	961	<40.3	961	<38.0	961	<70.5	961	<14.9	961	<2.14	961	<2.14
Naphthalene	1,524	<12	1,524	<12.4	1,524	<4.96	1,524	<10.3	1,524	<20.6	1,524	<30.1	1,524	<28.4	1,524	<60.0	1,524	<12.7	1,524	<1.83	1,524	<1.83
Nitrobenzene	138	<3.6	138	<3.59	138	<1.44	138	<23.8	138	<47.6	138	<27.8	138	<26.2	138	<61.5	138	<13.0	138	<2.10	138	<2.10
N-nitrosodimethylamine	0.03	<11	0.03	<10.9	0.03	<4.35	0.03	<10.3	0.03	<20.6	0.03	<34.8	0.03	<32.8	0.03	<60.0	0.03	<12.7	0.03	<1.00	0.03	<1.00
N-nitrosodi-n-propylamine	0.5	<3.6	0.5	<3.63	0.5	<1.45	0.5	<26.5	0.5	<53.0	0.5	<39.9	0.5	<37.6	0.5	<75.5	0.5	<16.0	0.5	<1.15	0.5	<1.15

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T = Total
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Bold text indicates a sample result greater than the SWQS.
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Footnotes

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The Permittee shall report on any additional parameters that were monitored for seasonal stormwater sampling as required by Section 6.0 of this permit (Special Conditions).

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Report the average flow rate for the sampling period (no more than 6 hours).

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Standard for total PCBs of 11 µg/L A&We and 19 µg/L PBC.

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SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

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Results for cyanide were collected on 2/19/11 (SC046 on 2/27/11) due to missed hold time on previous samples.

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The method blanks used by the laboratory contained the same concentration of Azobenzene as the outfall sample.

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In reporting years 2008-2010, the SWQS for 1,2 diphenylhydrazine was listed. Since COP wet weather samples are analyzed as azobenzene and Arizona has no SWQS for azobenzene, the table now says NS.

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The sample was lost during extraction at the laboratory due to the glassware breaking.

SR30	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	1/19/10	SWQS	8/28/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	12/12/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
N-nitrosodiphenylamine	6	<16	6	<16.2	6	<6.48	6	<16.4	6	<32.8	6	<21.2	6	<20.0	6	<152.0	6	<32.2	6	<3.57	6	<3.57
Phenanthrene	30	<3.6	30	<3.56	30	<1.42	30	<12.8	30	<25.6	30	<16.1	30	<15.2	30	<81.5	30	<17.3	30	<1.39	30	<1.39
Pyrene	800	<4.2	800	<4.18	800	<1.67	800	<24.5	800	<49.0	800	<49.4	800	<46.6	800	<82.0	800	<17.4	800	<3.86	800	<3.86
1,2,4-trichlorobenzene	70	<13	70	<13.2	70	<5.29	70	<14.2	70	<28.4	70	<56.4	70	<53.2	70	<16.0	70	<3.4	70	<1.69	70	<1.69
Pesticides (µg/L) ²																						
Aldrin	0.00005	<0.060	0.00005	<0.600	0.00005	<0.060	0.00005	<0.013	0.00005	<0.013	0.00005	<0.058	0.00005	<0.046	0.00005	<0.046	0.00005	<0.016	0.00005	<0.027	0.00005	<0.027
Alpha-BHC	0.005	<0.050	0.005	<0.500	0.005	<0.050	0.005	<0.016	0.005	<0.016	0.005	<0.044	0.005	<0.038	0.005	<0.038	0.005	<0.017	0.005	<0.021	0.005	<0.021
Beta-BHC	0.02	<0.050	0.02	<0.500	0.02	<0.050	0.02	<0.085	0.02	<0.085	0.02	<0.048	0.02	<0.095	0.02	<0.095	0.02	<0.092	0.02	<0.072	0.02	<0.072
Gamma-BHC	1	<0.050	1	<0.500	1	<0.050	1	<0.014	1	<0.014	1	<0.055	1	<0.033	1	<0.033	1	<0.023	1	<0.034	1	<0.034
Delta-BHC	1,600	<0.050	1,600	<0.500	1,600	<0.050	1,600	<0.016	1,600	<0.016	1,600	<0.035	1,600	<0.032	1,600	<0.032	1,600	<0.018	1,600	<0.021	1,600	<0.021
Chlordane	0.0008	<0.70	0.0008	<7.00	0.0008	<0.700	0.0008	<0.35	0.0008	<0.35	0.0008	<0.29	0.0008	<0.16	0.0008	<0.16	0.0008	<0.020	0.0008	<0.14	0.0008	<0.14
4,4'-DDT	0.0002	<0.060	0.0002	<0.600	0.0002	<0.060	0.0002	<0.020	0.0002	<0.020	0.0002	<0.052	0.0002	<0.029	0.0002	<0.029	0.0002	<0.016	0.0002	<0.025	0.0002	<0.025
4,4'-DDE	0.0002	<0.050	0.0002	<0.500	0.0002	<0.050	0.0002	<0.011	0.0002	<0.011	0.0002	0.068	0.0002	0.041	0.0002	0.037	0.0002	<0.018	0.0002	<0.010	0.0002	0.027
4,4'-DDD	0.0002	<0.050	0.0002	<0.500	0.0002	<0.050	0.0002	<0.017	0.0002	<0.017	0.0002	<0.031	0.0002	<0.023	0.0002	<0.023	0.0002	<0.014	0.0002	<0.031	0.0002	<0.031
Dieldrin	0.00005	<0.050	0.00005	<0.500	0.00005	<0.050	0.00005	<0.024	0.00005	<0.024	0.00005	<0.045	0.00005	<0.028	0.00005	<0.028	0.00005	<0.022	0.00005	<0.030	0.00005	<0.030
Alpha-endosulfan	0.2	<0.050	0.2	<0.500	0.2	<0.050	0.2	<0.010	0.2	<0.010	0.2	<0.048	0.2	<0.034	0.2	<0.034	0.2	<0.018	0.2	<0.018	0.2	<0.018
Beta-endosulfan	0.2	<0.050	0.2	<0.500	0.2	<0.050	0.2	<0.021	0.2	<0.021	0.2	<0.054	0.2	<0.034	0.2	<0.034	0.2	<0.013	0.2	<0.032	0.2	<0.032
Endosulfan sulfate	0.2	<0.050	0.2	<0.500	0.2	<0.050	0.2	<0.015	0.2	<0.015	0.2	<0.030	0.2	<0.025	0.2	<0.025	0.2	<0.014	0.2	<0.008	0.2	0.028
Endrin	0.004	<0.060	0.004	<0.600	0.004	<0.060	0.004	<0.019	0.004	<0.019	0.004	<0.036	0.004	<0.035	0.004	<0.035	0.004	<0.016	0.004	<0.017	0.004	<0.017
Endrin aldehyde	0.09	<0.050	0.09	<0.500	0.09	<0.050	0.09	<0.015	0.09	<0.015	0.09	<0.014	0.09	<0.038	0.09	<0.038	0.09	<0.023	0.09	<0.032	0.09	<0.032
Heptachlor	0.00008	<0.060	0.00008	<0.600	0.00008	<0.060	0.00008	<0.012	0.00008	<0.012	0.00008	<0.045	0.00008	<0.035	0.00008	<0.035	0.00008	<0.018	0.00008	<0.027	0.00008	<0.027
Heptachlor epoxide	0.00004	<0.050	0.00004	<0.500	0.00004	<0.050	0.00004	<0.010	0.00004	<0.010	0.00004	<0.045	0.00004	<0.032	0.00004	<0.032	0.00004	<0.020	0.00004	<0.008	0.00004	<0.008
PCB-1242	4	<0.30	4	<3.00	4	<0.300	4	<0.40	4	<0.40	4	<0.34	4	<0.41	4	<0.41	4	<0.55	4	<0.37	4	<0.37
PCB-1254	4	<0.50	4	<5.00	4	<0.500	4	<0.22	4	<0.22	4	<0.34	4	<0.20	4	<0.20	4	<0.28	4	<0.23	4	<0.23
PCB-1221	4	<0.90	4	<9.00	4	<0.900	4	<0.34	4	<0.34	4	<0.55	4	<0.68	4	<0.68	4	<0.85	4	<0.22	4	<0.22
PCB-1232	4	<0.070	4	<0.700	4	<0.070	4	<0.41	4	<0.41	4	<0.77	4	<0.66	4	<0.66	4	<0.34	4	<0.55	4	<0.55
PCB-1248	4	<0.20	4	<2.00	4	<0.200	4	<0.21	4	<0.21	4	<0.30	4	<0.78	4	<0.78	4	<0.27	4	<0.19	4	<0.19
PCB-1260	4	<0.40	4	<4.00	4	<0.400	4	<0.19	4	<0.19	4	<0.34	4	<0.21	4	<0.21	4	<0.23	4	<0.32	4	<0.32
PCB-1016	4	<0.40	4	<4.00	4	<0.400	4	<0.26	4	<0.26	4	<0.37	4	<0.36	4	<0.36	4	<0.33	4	<0.18	4	<0.18
Toxaphene	0.0003	<0.70	0.0003	<7.00	0.0003	<0.700	0.0003	<0.33	0.0003	<0.33	0.0003	<0.79	0.0003	<0.53	0.0003	<0.53	0.0003	<0.34	0.0003	<0.22	0.0003	<0.22

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OUTFALL ID: SR45 RECEIVING WATER: Salt River DESIGNATED USES: A&We, PBC	MONITORING SEASONS Summer: June 1 – October 31 Winter: November 1 – May 31																					
	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
	SAMPLING DATE(S):	SWQS	1/19/10	SWQS	7/29/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/12/14	SWQS
MONITORING PARAMETERS ^{1, 2}																						
Conventional Parameters																						
Flow ³ (cfs)	NS	0.612	NS	2.728	NS	0.206	NS	2.739	NS	1.048	NS	0.967	NS	0.67	NS	8.88	NS	1.01	NS	0.725	NS	1.371
pH	6.5-9	8.80	6.5-9	8.00	6.5-9	7.81	6.5-9	7.55	6.5-9	7.92	6.5-9	7.35	6.5-9	7.45	6.5-9	8.24	6.5-9	8.30	6.5-9	7.94	6.5-9	7.73
Temperature (°C)	Varies	13.5	Varies	31.5	Varies	18.0	Varies	29.5	Varies	16.5	Varies	31.6	Varies	20.5	Varies	28.0	Varies	19.5	Varies	30.1	Varies	19.0
Hardness (mg/L)	400	57	400	120	400	60.8	400	68.7	400	43.0	400	105	400	72.1	400	40.1	400	31.2	400	96.1	400	42.2
Total Dissolved Solids (TDS) (mg/L) ²	NS	66	NS	190	NS	117	NS	230	NS	178	NS	394	NS	266	NS	98	NS	82	NS	340	NS	124
Total Suspended Solids (TSS) (mg/L) ²	NS	170	NS	480	NS	81.6	NS	776	NS	474	NS	360	NS	332	NS	60.0	NS	420	NS	192	NS	1070
Biochemical Oxygen Demand (BOD) (mg/L) ²	NS	17	NS	41	NS	34.1	NS	<67	NS	33	NS	86	NS	127	NS	13	NS	56	NS	45	NS	175
Chemical Oxygen Demand (COD) (mg/L) ²	NS	120	NS	260	NS	114	NS	390	NS	270	NS	480	NS	540	NS	100	NS	540	NS	280	NS	950

SR45	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	1/19/10	SWQS	7/29/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
Inorganics																						
Cyanide, total (µg/L) ²	84	<5.0	84	<5.0	84	5.69 ⁶	84	<5.0	84	<5.0	84	<5	84	5	84	<50	84	<5	84	<5	84	<5
Nutrients (mg/L) ²																						
Nitrate + Nitrite as N	NS	0.82	NS	1.8	NS	0.723	NS	1.3	NS	1.1	NS	3.0	NS	1.7	NS	0.8	NS	0.6	NS	1.7	NS	0.5
Ammonia as N	NS	0.53	NS	1.4	NS	0.572	NS	1.1	NS	0.83	NS	2.5	NS	1.5	NS	0.64	NS	0.42	NS	1.4	NS	0.51
Total Kjeldahl Nitrogen (TKN)	NS	2.3	NS	5.3	NS	2.12	NS	5.8	NS	3.2	NS	8.4	NS	7.6	NS	3.3	NS	6.9	NS	4.5	NS	14
Total Phosphorus as P	NS	0.79	NS	1.2	NS	0.531	NS	1.9	NS	1.1	NS	0.74	NS	0.70	NS	0.41	NS	1.5	NS	0.91	NS	0.58
Ortho-Phosphorus as P	NS	0.28	NS	0.42	NS	0.467	NS	0.3	NS	0.2	NS	0.5	NS	0.3	NS	<0.1	NS	0.2	NS	0.2	NS	0.1
Microbiological																						
Escherichia coli (E. coli) (CFU/100 mg or MPN/100 mL) ²	575	>2,419.6	575	860	575	7,540	575	1,553.1	575	>2,419.6	575	378.4	575	1,986.3	575	2419.6	575	>2419.6	575	>2,419.6	575	>2,419.6

NOTES:
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D = Dissolved
D⁹ = Result is assumed based upon a 1:1 ratio to total metals
T&D = Total and Dissolved
Bold text indicates a sample result greater than the SWQS.
Italicized text indicated a laboratory detection limit higher than the SWQS.

Footnotes

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3 Report the average flow rate for the sampling period (no more than 6 hours).

4 Standard for total PCBs of 11 µg/L A&We and 19 µg/L PBC.

5 SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

6 Results for cyanide were collected on 2/19/11 (SC046 on 2/27/11) due to missed hold time on previous samples.

7 The method blanks used by the laboratory contained the same concentration of Azobenzene as the outfall sample.

8 In reporting years 2008-2010, the SWQS for 1,2 diphenylhydrazine was listed. Since COP wet weather samples are analyzed as azobenzene and Arizona has no SWQS for azobenzene, the table now says NS.

9 The sample was lost during extraction at the laboratory due to the glassware breaking.

SR45	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	1/19/10	SWQS	7/29/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
Total Metals (µg/L) ²																						
Antimony	747 T	<25 T&D	747 T	<25 T&D	747 T	<25 T&D	747 T	3.5 T 2.1 D	747 T	2.3 T 1.0 D	747 T	3.4 T 3.0 D	747 T	3.2 T 1.3 D	747 T	1.8 T 0.9 D	747 T	2.6 T 0.6 D	747 T	3.5 T 3.1 D	747 T	4.8 T 1.0 D
Arsenic	280 T 440 D	<10 T&D	280 T 440 D	<10 T&D	280 T 440 D	<10 T&D	280 T 440 D	7.2 T 2.3 D	280 T 440 D	3.6 T 1.1 D	280 T 440 D	8.5 T 3.5 D	280 T 440 D	5.5 T 1.7 D	280 T 440 D	2.6 T 1.0 D	280 T 440 D	8.1 T 1.1 D	280 T 440 D	5.0 T 3.2 D	280 T 440 D	10.5 T 1.2 D
Barium	98,000 T	120 T 10 D	98,000 T	250 T 23 D	98,000 T	54 T 15 D	98,000 T	264 T 29 D	98,000 T	150 T 14 D	98,000 T	205 T 44 D	98,000 T	173 T 20 D	98,000 T	86 T 22 D	98,000 T	344 T 8 D	98,000 T	98 T 39 D	98,000 T	599 T 11 D
Beryllium	1,867 T	<2.0 T&D	1,867 T	<2.0 T&D	1,867 T	<2 T&D	1,867 T	1.0 T <0.15 D	1,867 T	0.2 T <0.06 D	1,867 T	0.61 T <0.15 D	1,867 T	0.32 T <0.15 D	1,867 T	0.22 T <0.15 D	1,867 T	0.53 T <0.06 D	1,867 T	<0.15 T <0.15 D	1,867 T	0.75 T <0.06 D
Cadmium	700 T 13.20 D	<3.0 T&D	700 T 27.23 D	<3.0 T&D	700 T 14.00	<3 T&D	700 T 15.83 D	1.3 T <0.25 D	700 T 10.03 D	0.7 T <0.10 D	700 T 23.91 D	0.7 T <0.25 D	700 T 16.59 D	1.0 T <0.25 D	700 T 9.37 D	0.4 T <0.25 D	700 T 7.34 D	2.1 T <0.10 D	700 T 21.94 D	<0.30 T <0.30 D	700 T 9.85 D	2.2 T <0.12 D
Chromium	NS	<10 T&D	NS	24 T <10 D	NS	12 T <10 D	NS	23.6 T <4.50 D	NS	15.7 T <1.80 D	NS	18.6 T 3.2 D	NS	12.6 T 2.5 D	NS	7.3 T <2.00 D	NS	23.8 T 0.8 D	NS	7.7 T 2.5 D	NS	34.6 T 1.9 D
Copper	1,300 T 13.70 D	95 T 15 D	1,300 T 27.62	300 T 46 D	1,300 T 14.55	52 T 22 D	1,300 T 16.33 D	73 T 34.4 D	1,300 T 10.50 D	89.2 T 21.9 D	1,300 T 24.36 D	133 T 59.7 D	1,300 T 17.09 D	124 T 40.8 D	1,300 T 9.83 D	72.0 T 23.8 D	1,300 T 7.77 D	206 T 12.2 D	1,300 T 22.40 D	60.6 T 32.7 D	1,300 T 10.32 D	263 T 16.7 D
Lead	15 T 73.54 D	25 T <10 D	15 T 166.13	63 T <10 D	15 T 78.98	12 T <10 D	15 T 90.36 D	52.0 T 2.8 D	15 T 53.78 D	37.4 T 0.9 D	15 T 143.73 D	31.5 T 2.0 D	15 T 95.29 D	31.4 T 0.8 D	15 T 49.76 D	21.4 T 1.2 D	15 T 37.58 D	75.3 T 0.6 D	15 T 130.52 D	14.3 T 1.4 D	15 T 52.67 D	97.9 T 0.6 D
Mercury	280 T 5 D	<0.2 T&D	280 T 5 D	<0.2 T&D	280 T 5 D	<0.20 T&D	280 T 5 D	0.17 T <0.092 D	280 T 5 D	<0.092 T&D	280 T 5 D	0.09 T <0.040 D	280 T 5 D	0.06 T <0.040 D	280 T 5 D	0.02 T <0.020 D	280 T 5 D	0.20 T 0.026 D	280 T 5 D	<0.092 T <0.2 D	280 T 5 D	0.30 T <0.092 D
Nickel	28,000 T 2,585 D	11 T <10 D	28,000 T 4,852	32 T <10 D	28,000 T 2,722	<10 T <10 D	28,000 T 3,027 D	31.2 T 7.0 D	28,000 T 2,036 D	13.6 T 3.5 D	28,000 T 4,334 D	30.0 T 11.0 D	28,000 T 3,153 D	16.7 T 5.4 D	28,000 T 1,919 D	10.3 T 3.5 D	28,000 T 1,552 D	32.3 T 1.7 D	28,000 T 4021 D	14.6 T 8.4 D	28,000 T 2004 D	37.9 T 2.1 D
Selenium	33 T	<2.0 T&D	33 T	<2.0 T&D	33 T	<2.00 T&D	33 T	1.1 T <0.85 D	33 T	<0.85 T <0.34 D	33 T	1.5 T 1.2 D	33 T	1.1 T 0.7 D	33 T	<0.60 T <0.60 D	33 T	0.69 T <0.24 D	33 T	0.76 T 0.5 D	33 T	0.87 T 0.4 D
Silver	4,667 T 1.22 D	<5.0 T <i><5.0 D</i>	4,667 T 4.40	<5.0 T <i><5.0 D</i>	4,667 T 1.36	<5 T <i><5 D</i>	4,667 T 1.688 D	0.4 T <0.2 D	4,667 T 0.75 D	<0.2 T&D	4,667 T 3.50 D	0.2 T <0.15 D	4,667 T 1.834 D	0.3 T 0.3 D	4,667 T 0.672 D	0.2 T <0.15 D	4,667 T 0.434 D	0.5 T <0.15 D	4,667 T 3.005 D	<0.20 T <0.20 D	4,667 T 0.726 D	0.8 T <0.08 D
Thallium	75 T	<0.5 T&D	75 T	1.3 T <0.5 D	75 T	<0.50 T <0.5 D	75 T	0.22 T <0.20 D	75 T	<0.20 T <0.08 D	75 T	<0.20 T <0.20 D	75 T	<0.20 T <0.20 D	75 T	<0.20 T <0.20 D	75 T	<0.20 T <0.08 D	75 T	<0.10 T <0.10 D	75 T	0.25 T <0.04 D
Zinc	280,000 T 691 D	280 T <50 D	280,000 T 1,298 D	650 T 120 D	280,000 T 730 D	163 T <50 D	280,000 T 809 D	475 T 40.6 D	280,000 T 544 D	384 T 60.0 D	280,000 T 1,159 D	381 T 118 D	280,000 T 843 D	469 T 60.6 D	280,000 T 513 D	207 T 63.2 D	280,000 T 414 D	1020 T 23.0 D	280,000 T 1075 D	192 T 66.4 D	280,000 T 535.2 D	1,410 T 32.8 D
Organic Toxic Pollutants																						
Total Petroleum Hydrocarbons (TPH) (mg/L) ²	NS	<5.0	NS	<5.0	NS	<5.00	NS	<10	NS	<10	NS	<5	NS	<10	NS	<11	NS	15	NS	<10	NS	<10
Total Oil and Grease (mg/L) ²	NS	<5.0	NS	<5.0	NS	<5.00	NS	<10	NS	<5	NS	<5	NS	29	NS	<5.7	NS	42	NS	<5.0	NS	6.0
VOCs, Semi-VOCs, & Pesticides (µg/L) ²																						
Acrolein	467	<50	467	<50	467	<50.0	467	<1.86	467	<0.37	467	<2.93	467	7.5	467	<0.20	467	<0.20	467	2.7	467	<0.40
Acrylonitrile	37,333	<5.0	37,333	<5.0	37,333	<5.00	37,333	<0.84	37,333	<0.17	37,333	<2.26	37,333	<1.130	37,333	<0.16	37,333	<0.16	37,333	<0.70	37,333	<0.14
Benzene	3,733	<0.50	3,733	<0.50	3,733	<0.500	3,733	<2.30	3,733	<0.20	3,733	<2.0	3,733	<0.75	3,733	<0.15	3,733	<1.20	3,733	<0.65	3,733	<0.13
Bromoform	18,667	<1.0	18,667	<1.0	18,667	<1.00	18,667	<4.15	18,667	<0.25	18,667	<2.5	18,667	<2.15	18,667	<0.43	18,667	<2.35	18,667	<1.40	18,667	<0.28
Carbon tetrachloride	1,307	<0.50	1,307	<0.50	1,307	<0.500	1,307	<2.30	1,307	<0.31	1,307	<3.1	1,307	<1.65	1,307	<0.33	1,307	<1.30	1,307	<1.15	1,307	<0.23

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Chlorobenzene	18,667	<0.50	18,667	<0.50	18,667	<0.500	18,667	<3.70	18,667	<0.25	18,667	<2.5	18,667	<1.40	18,667	<0.28	18,667	<0.80	18,667	<0.65	18,667	<0.13
Chlorodibromomethane	18,667	<0.50	18,667	<0.50	18,667	<0.500	18,667	<3.90	18,667	<0.21	18,667	<2.1	18,667	<1.30	18,667	<0.26	18,667	<0.90	18,667	<1.20	18,667	<0.24
Chloroethane (ethyl chloride)	NS	<5.0	NS	<5.0	NS	<5.00	NS	<2.25	NS	<0.14	NS	<1.4	NS	<1.35	NS	<0.27	NS	<1.10	NS	<0.95	NS	<0.19
2-chloroethylvinyl ether	NS	<2.0	NS	<2.0	NS	<2.00	NS	<0.174	NS	<0.174	NS	<2.2	NS	<0.22	NS	<0.22	NS	<0.22	NS	<0.95	NS	<0.19
Chloroform	9,333	<0.50	9,333	<0.50	9,333	<0.500	9,333	<2.30	9,333	<0.40	9,333	<4.0	9,333	<1.05	9,333	<0.21	9,333	<1.15	9,333	<0.70	9,333	<0.14
Dichlorobromomethane	18,667	<0.50	18,667	<0.50	18,667	<0.500	18,667	<2.95	18,667	<0.23	18,667	<2.3	18,667	<0.75	18,667	<0.15	18,667	<1.15	18,667	<0.75	18,667	<0.15
1,1-dichloroethane	NS	<1.0	NS	<1.0	NS	<1.00	NS	<2.15	NS	<0.18	NS	<1.8	NS	<0.65	NS	<0.13	NS	<1.30	NS	<0.95	NS	<0.19
1,2-dichloroethane	186,667	<1.0	186,667	<1.0	186,667	<1.00	186,667	<2.45	186,667	<0.20	186,667	<2.0	186,667	<0.80	186,667	<0.16	186,667	<1.25	186,667	<0.55	186,667	<0.11
1,1-dichloroethylene	46,667	<1.0	46,667	<1.0	46,667	<1.00	46,667	<2.10	46,667	<0.23	46,667	<2.3	46,667	<1.85	46,667	<0.37	46,667	<1.40	46,667	<1.35	46,667	<0.27
1,2-dichloropropane	84,000	<0.50	84,000	<0.50	84,000	<0.500	84,000	<2.50	84,000	<0.22	84,000	<2.2	84,000	<0.75	84,000	<0.15	84,000	<1.25	84,000	<0.90	84,000	<0.18
1,3-dichloropropylene	28,000	<1.0	28,000	<1.0	28,000	<1.00	28,000	cis<2.85 trans<3.45	28,000	<0.19	28,000	cis<1.9 trans<1.9	28,000	cis<0.50 trans<0.75	28,000	cis<0.10 trans<0.15	28,000	cis<1.20 trans<1.10	28,000	<0.65	28,000	<0.13
Ethylbenzene	93,333	<2.0	93,333	<2.0	93,333	<2.00	93,333	<3.35	93,333	<0.27	93,333	<2.7	93,333	<1.45	93,333	<0.29	93,333	<0.65	93,333	<0.75	93,333	<0.15
Methyl bromide	1,307	<5.0	1,307	<5.0	1,307	<5.00	1,307	<2.35	1,307	<0.14	1,307	<1.4	1,307	<0.95	1,307	<0.19	1,307	<0.95	1,307	<0.90	1,307	<0.18
Methyl chloride	NS	<5.0	NS	<5.0	NS	<5.00	NS	<2.15	NS	<0.20	NS	<2.0	NS	<1.85	NS	<0.37	NS	<1.40	NS	<1.15	NS	<0.23
Methylene chloride	56,000	<3.0	56,000	<3.0	56,000	<3.00	56,000	1.9	56,000	<0.45	56,000	<4.5	56,000	1.6	56,000	<0.28	56,000	<1.00	56,000	<1.00	56,000	<0.20
1,1,2,2-tetrachloroethane	93,333	<0.50	93,333	<0.50	93,333	<0.500	93,333	<4.65	93,333	<0.11	93,333	<1.1	93,333	<2.45	93,333	<0.49	93,333	<2.00	93,333	<1.75	93,333	<0.35
Tetrachloroethylene	9,333	<0.50	9,333	<0.50	9,333	<0.500	9,333	<2.40	9,333	<0.26	9,333	<2.6	9,333	<1.15	9,333	<0.23	9,333	<1.05	9,333	<0.65	9,333	<0.13
Toluene	373,333	<3.0	373,333	<3.0	373,333	<3.00	373,333	<2.40	373,333	<0.23	373,333	<2.3	373,333	<0.60	373,333	<0.12	373,333	<0.95	373,333	<0.55	373,333	<0.11
1,2-trans-dichloroethylene	18,667	<0.50	18,667	<0.50	18,667	<0.500	18,667	<2.00	18,667	<0.14	18,667	<1.4	18,667	<0.85	18,667	<0.17	18,667	<1.25	18,667	<0.90	18,667	<0.18
1,1,1-trichloroethane	1,866,667	<0.50	1,866,667	<0.50	1,866,667	<0.500	1,866,667	<2.40	1,866,667	<0.28	1,866,667	<2.8	1,866,667	<1.15	1,866,667	<0.23	1,866,667	<1.00	1,866,667	<0.70	1,866,667	<0.14
1,1,2-trichloroethane	3,733	<0.50	3,733	<0.50	3,733	<0.500	3,733	<3.95	3,733	<0.22	3,733	<2.2	3,733	<1.20	3,733	<0.24	3,733	<0.75	3,733	<0.65	3,733	<0.13
Trichloroethylene	280	<0.50	280	<0.50	280	<0.500	280	<1.90	280	<0.35	280	<3.5	280	<1.20	280	<0.24	280	<0.75	280	<1.10	280	<0.22
1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	NS	<1.5	NS	<2.0 <1.5	NS	<2.00 <1.50	NS	<20 <20	NS	<1.0	NS	<10 <10	NS	<5.0 <5.0	NS	<1.0 <1.0	NS	<5.0 <5.0	NS	<10.00 <5.00	NS	<1.0 <1.0
Vinyl chloride	2,800	<0.50	2,800	<0.50	2,800	<0.500	2,800	<2.35	2,800	<0.19	2,800	<1.9	2,800	<2.50	2,800	<0.50	2,800	<1.00	2,800	<1.10	2,800	<0.22
Xylenes, Total	186,667	<3.0	186,667	<3.0	186,667	<1.00	186,667	<0.95	186,667	<0.51	186,667	<5.1	186,667	<2.90	186,667	<0.58	186,667	<1.50	186,667	<1.25	186,667	<0.13
Acid Compounds (µg/L) ²																						
2-chlorophenol	4,667	<12	4,667	<12	4,667	<4.92	4,667	<44.2	4,667	<46.4	4,667	<24.6	4,667	<57.0	4,667	<85.8	4,667	<214.5	4,667	<1.48	4,667	<1.48
2,4-dichlorophenol	2,800	<6.9	2,800	<6.9	2,800	<2.76	2,800	<48.4	2,800	<50.8	2,800	<26.4	2,800	<61.0	2,800	<84.4	2,800	<211.0	2,800	<1.65	2,800	<1.65
2,4-dimethylphenol	18,667	<15	18,667	<15	18,667	<5.86	18,667	<34.4	18,667	<36.1	18,667	<31.5	18,667	<73.0	18,667	<45.6	18,667	<114.0	18,667	<2.20	18,667	<2.20
4,6-dinitro-o-cresol	3,733	<14	3,733	<14	3,733	<5.42	3,733	<43.6	3,733	<45.8	3,733	<29.8	3,733	<69.0	3,733	<59.6	3,733	<149.0	3,733	<1.22	3,733	<1.22
2,4-dinitrophenol	1,867	<10	1,867	<10	1,867	<4.07	1,867	<20.0	1,867	<21.0	1,867	<30.0	1,867	<69.5	1,867	<51.8	1,867	<129.5	1,867	<1.13	1,867	<1.13
2-nitrophenol	NS	<7.3	NS	<7.3	NS	<2.92	NS	<46.2	NS	<48.5	NS	<60.0	NS	<139.0	NS	<82.2	NS	<205.5	NS	<1.57	NS	<1.57
4-nitrophenol	NS	<2.1	NS	<2.1	NS	<0.846	NS	<159.4	NS	<167.4	NS	<176.3	NS	<408.0	NS	<93.4	NS	<233.5	NS	<1.14	NS	3.1
p-chloro-m-cresol	48,000	<6.2	48,000	<6.2	48,000	<2.50	48,000	<39.2	48,000	<41.2	48,000	<40.2	48,000	<93.0	48,000	<88.2	48,000	<220.5	48,000	<1.65	48,000	<1.65
Pentachlorophenol	224.393	<15	100.424	<15	81.270	<5.97	63.97	<87.4	92.74	<91.8	52.32	<44.7	57.85	<103.5	127.97	<67.2	135.76	<168.0	94.663	<1.39	76.64	<1.39

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D^a = Result is assumed based upon a 1:1 ratio to total metals
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Bold text indicates a sample result greater than the SWQS.
Italicized text indicated a laboratory detection limit higher than the SWQS.

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3 Report the average flow rate for the sampling period (no more than 6 hours).

4 Standard for total PCBs of 11 µg/L A&We and 19 µg/L PBC.

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SR45	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	1/19/10	SWQS	7/29/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	7/12/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/12/14	SWQS	12/4/14
Phenol	180,000	<3.5	180,000	<3.5	180,000	<1.39	180,000	<40.0	180,000	<42.0	180,000	<25.7	180,000	<59.5	180,000	<71.0	180,000	<177.5	180,000	2.8	180,000	1.9
2,4,6-trichlorophenol	130	<7.5	130	<7.5	130	<3.01	130	<103.6	130	<108.8	130	<60.5	130	<140.0	130	<95.8	130	<239.5	130	<1.89	130	<1.89
Bases/Neutrals (µg/L) ²																						
Acenaphthene	56,000	<3.5	56,000	<3.5	56,000	<1.41	56,000	<26.2	56,000	<27.5	56,000	<36.7	56,000	<85.0	56,000	<26.8	56,000	<67.0	56,000	<1.03	56,000	<1.03
Acenaphthylene	NS	<14	NS	<14	NS	<5.54	NS	<30.8	NS	<32.3	NS	<27.4	NS	<63.5	NS	<34.6	NS	<86.5	NS	<1.00	NS	<1.00
Anthracene	280,000	<3.5	280,000	<3.5	280,000	<1.40	280,000	<32.8	280,000	<34.4	280,000	<19.2	280,000	<44.5	280,000	<34.6	280,000	<86.5	280,000	<2.88	280,000	<2.88
Benz(a)anthracene	0.2	<3.9	0.2	<3.9	0.2	<1.54	0.2	<53.0	0.2	<55.6	0.2	<33.9	0.2	<78.5	0.2	<34.6	0.2	<86.5	0.2	<1.08	0.2	<1.08
Benzo(a)pyrene	0.2	<3.7	0.2	<3.7	0.2	<1.49	0.2	<89.4	0.2	<93.9	0.2	<41.7	0.2	<96.5	0.2	<37.4	0.2	<93.5	0.2	<3.77	0.2	<3.77
Benzo(b)fluoranthene	1.9	<3.7	1.9	<3.7	1.9	<1.49	1.9	<78.4	1.9	<82.3	1.9	<73.2	1.9	<169.5	1.9	<48.6	1.9	<121.5	1.9	<1.46	1.9	<1.46
Benzo(g,h,i)perylene	NS	<3.8	NS	<3.8	NS	<1.54	NS	<68.0	NS	<71.4	NS	<30.5	NS	<70.5	NS	<34.6	NS	<86.5	NS	<1.29	NS	<1.29
Benzo(k)fluoranthene	1.9	<3.9	1.9	<3.9	1.9	<1.56	1.9	<60.0	1.9	<63.0	1.9	<24.8	1.9	<57.5	1.9	<28.0	1.9	<70.0	1.9	<1.04	1.9	<1.04
Chrysene	19	<4.0	19	<4.0	19	<1.60	19	<51.2	19	<53.8	19	<19.2	19	<44.5	19	<29.6	19	<74.0	19	<1.41	19	<1.41
Dibenz(a,h)anthracene	1.9	<3.7	1.9	<3.7	1.9	<1.49	1.9	<81.2	1.9	<85.3	1.9	<87.5	1.9	<202.5	1.9	<39.6	1.9	<99.0	1.9	<1.24	1.9	<1.24
1,2-dichlorobenzene	5,900	<13	5,900	<13	5,900	<5.39	5,900	<25.4	5,900	<26.7	5,900	<46.9	5,900	<108.5	5,900	<5.4	5,900	<13.5	5,900	<1.76	5,900	<1.76
1,3-dichlorobenzene	NS	<12	NS	<12	NS	<4.79	NS	<23.8	NS	<25.0	NS	<52.3	NS	<121.0	NS	<22.6	NS	<56.5	NS	<1.74	NS	<1.74
1,4-dichlorobenzene	6,500	<14	6,500	<14	6,500	<5.47	6,500	<28.4	6,500	<29.8	6,500	<46.0	6,500	<106.5	6,500	<21.0	6,500	<52.5	6,500	<1.56	6,500	<1.56
3,3-dichlorobenzidine	3	<16	3	<16	3	<6.34	3	<236.0	3	<247.8	3	<159.4	3	<369.0	3	<545.4	3	<1363.5	3	<6.06	3	<6.06
Diethyl phthalate	746,667	<3.9	746,667	<3.9	746,667	<1.55	746,667	<38.4	746,667	<40.3	746,667	<32.0	746,667	<74.0	746,667	<38.0	746,667	<95.0	746,667	<2.37	746,667	<2.37
Dimethyl phthalate	NS	<3.9	NS	<3.9	NS	<1.58	NS	<33.8	NS	<35.5	NS	<26.1	NS	<60.5	NS	<35.8	NS	<89.5	NS	<2.42	NS	<2.42
Di-n-butyl phthalate	1,100	<5.1	1,100	<5.1	1,100	<2.05	1,100	<85.2	1,100	<89.5	1,100	<49.5	1,100	<114.5	1,100	<44.6	1,100	<111.5	1,100	<1.85	1,100	<1.85
2,4-dinitrotoluene	1,867	<15	1,867	<15	1,867	<6.00	1,867	<53.8	1,867	<56.5	1,867	<28.3	1,867	<65.5	1,867	<41.0	1,867	<102.5	1,867	<2.12	1,867	<2.12
2,6-dinitrotoluene	3,733	<3.8	3,733	<3.8	3,733	<1.51	3,733	<77.6	3,733	<81.5	3,733	<40.4	3,733	<93.5	3,733	<50.4	3,733	<126.0	3,733	<1.12	3,733	<1.12
Di-n-octyl phthalate	373,333	<6.7	373,333	<6.7	373,333	<2.69	373,333	<157.2	373,333	<165.1	373,333	<89.2	373,333	<206.5	373,333	<57.6	373,333	<144.0	373,333	<1.10	373,333	<1.10
1,2-diphenylhydrazine (as azobenzene)	NS	<3.6	NS	<3.6	NS	<1.43	NS ⁸	<28.8	NS ⁸	<30.2	NS ⁸	<23.1	NS ⁸	<53.5	NS ⁸	<46.6	NS ⁸	<116.5	NS ⁸	<6.70	NS ⁸	<6.70
Fluoranthene	37,333	<4.2	37,333	<4.2	37,333	<1.68	37,333	<49.0	37,333	<51.4	37,333	<14.5	37,333	<33.5	37,333	<35.8	37,333	<89.5	37,333	<1.35	37,333	<1.35
Fluorene	37,333	<3.6	37,333	<3.6	37,333	<1.42	37,333	<26.2	37,333	<27.5	37,333	<36.3	37,333	<84.0	37,333	<30.8	37,333	<77.0	37,333	<4.81	37,333	<4.81
Hexachlorobenzene	747	<2.9	747	<2.9	747	<1.15	747	<30.0	747	<31.5	747	<28.1	747	<65.0	747	<27.8	747	<69.5	747	<1.23	747	<1.23
Hexachlorobutadiene	187	<15	187	<15	187	<5.89	187	<36.8	187	<38.6	187	<29.6	187	<68.5	187	<6.6	187	<16.5	187	<1.82	187	<1.82
Hexachlorocyclopentadiene	11,200	<16	11,200	<16	11,200	<6.20	11,200	<74.8	11,200	<78.5	11,200	<28.5	11,200	<66.0	11,200	<45.4	11,200	<113.5	11,200	<1.23	11,200	<1.23
Hexachloroethane	850	<15	850	<15	850	<6.01	850	<26.8	850	<28.1	850	<30.2	850	<70.0	850	<8.0	850	<20.0	850	<1.62	850	<1.62
Indeno(1,2,3-cd)pyrene	1.9	<3.8	1.9	<3.8	1.9	<1.54	1.9	<83.8	1.9	<88.0	1.9	<71.9	1.9	<166.5	1.9	<40.6	1.9	<101.5	1.9	<1.39	1.9	<1.39
Isophorone	186,667	<3.5	186,667	<3.5	186,667	<1.41	186,667	<34.6	186,667	<36.3	186,667	<41.0	186,667	<95.0	186,667	<28.2	186,667	<70.5	186,667	<2.14	186,667	<2.14
Naphthalene	18,667	<12	18,667	<12	18,667	<4.96	18,667	<20.6	18,667	<21.6	18,667	<30.7	18,667	<71.0	18,667	<24.0	18,667	<60.0	18,667	<1.83	18,667	<1.83
Nitrobenzene	467	<3.6	467	<3.6	467	<1.44	467	<47.6	467	<50.0	467	<28.3	467	<65.5	467	<24.6	467	<61.5	467	<2.10	467	<2.10
N-nitrosodimethylamine	0.03	<11	0.03	<11	0.03	<4.35	0.03	<20.6	0.03	<21.6	0.03	<35.4	0.03	<82.0	0.03	<24.0	0.03	<60.0	0.03	<1.00	0.03	<1.00
N-nitrosodi-n-propylamine	86,667	<3.6	86,667	<3.6	86,667	<1.45	86,667	<53.0	86,667	<55.6	86,667	<40.6	86,667	<94.0	86,667	<30.2	86,667	<75.5	86,667	<1.15	86,667	<1.15
N-nitrosodiphenylamine	290	<16	290	<16	290	<6.48	290	<32.8	290	<34.4	290	<21.6	290	<50.0	290	<60.8	290	<152.0	290	<3.57	290	<3.57

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Phenanthrene	NS	<3.6	NS	<3.6	NS	<1.42	NS	<25.6	NS	<26.9	NS	<16.4	NS	<38.0	NS	<32.6	NS	<81.5	NS	<1.39	NS	<1.39
Pyrene	28,000	<4.2	28,000	<4.2	28,000	<1.67	28,000	<49.0	28,000	<51.4	28,000	<50.3	28,000	<116.5	28,000	<32.8	28,000	<82.0	28,000	<3.86	28,000	<3.86
1,2,4-trichlorobenzene	9,333	<13	9,333	<13	9,333	<5.29	9,333	<28.4	9,333	<29.8	9,333	<57.5	9,333	<133.0	9,333	<6.4	9,333	<16.0	9,333	<1.69	9,333	<1.69
Pesticides (µg/L) ²																						
Aldrin	4.5	<0.60	4.5	<0.30	4.5	<0.060	4.5	<0.013	4.5	<0.014	4.5	<0.058	4.5	<0.046	4.5	<0.048	4.5	<0.015	4.5	<0.027	4.5	<0.027
Alpha-BHC	1,600	<0.50	1,600	<0.25	1,600	<0.050	1,600	<0.016	1,600	<0.017	1,600	<0.044	1,600	<0.038	1,600	<0.040	1,600	<0.016	1,600	<0.021	1,600	<0.021
Beta-BHC	560	<0.50	560	<0.25	560	<0.050	560	<0.085	560	0.388	560	<0.048	560	<0.095	560	<0.100	560	<0.088	560	<0.072	560	<0.072
Gamma-BHC	11	<0.50	11	<0.25	11	<0.050	11	<0.014	11	0.175	11	<0.055	11	<0.033	11	0.052	11	<0.022	11	<0.034	11	<0.034
Delta-BHC	1,600	<0.50	1,600	<0.25	1,600	<0.050	1,600	<0.016	1,600	0.018	1,600	<0.035	1,600	<0.032	1,600	<0.034	1,600	<0.017	1,600	<0.021	1,600	<0.021
Chlordane	3.2	<7.0	3.2	<3.5	3.2	<0.700	3.2	<0.35	3.2	<0.38	3.2	<0.29	3.2	<0.16	3.2	<0.17	3.2	<0.19	3.2	<0.14	3.2	<0.14
4,4'-DDT	1.1	<0.60	1.1	<0.30	1.1	<0.060	1.1	<0.020	1.1	<0.022	1.1	<0.052	1.1	<0.029	1.1	<0.030	1.1	<0.015	1.1	<0.025	1.1	<0.025
4,4'-DDE	1.1	<0.50	1.1	<0.25	1.1	<0.050	1.1	<0.011	1.1	<0.012	1.1	<0.036	1.1	<0.034	1.1	<0.036	1.1	<0.017	1.1	<0.010	1.1	<0.010
4,4'-DDD	1.1	<0.50	1.1	<0.25	1.1	<0.050	1.1	<0.017	1.1	<0.019	1.1	<0.031	1.1	<0.023	1.1	<0.024	1.1	<0.013	1.1	<0.031	1.1	<0.031
Dieldrin	4	<0.50	4	<0.25	4	<0.050	4	<0.024	4	<0.026	4	<0.045	4	<0.028	4	<0.029	4	0.070	4	<0.030	4	<0.030
Alpha-endosulfan	3 T	<0.50	3 T	<0.25	3 T	<0.050	3 T	<0.010	3 T	<0.011	3 T	<0.048	3 T	<0.034	3 T	0.089	3 T	<0.017	3 T	<0.018	3 T	<0.018
Beta-endosulfan	3 T	<0.50	3 T	<0.25	3 T	<0.050	3 T	<0.021	3 T	<0.023	3 T	<0.054	3 T	<0.034	3 T	<0.036	3 T	<0.012	3 T	<0.032	3 T	<0.032
Endosulfan sulfate	3	<0.50	3	<0.25	3	<0.050	3	<0.015	3	<0.016	3	<0.030	3	<0.025	3	<0.026	3	<0.013	3	<0.008	3	<0.008
Endrin	0.7	<0.60	0.7	<0.30	0.7	<0.060	0.7	<0.019	0.7	<0.021	0.7	<0.036	0.7	<0.035	0.7	<0.037	0.7	<0.015	0.7	<0.017	0.7	<0.017
Endrin aldehyde	0.7	<0.50	0.7	<0.25	0.7	<0.050	0.7	<0.015	0.7	<0.016	0.7	<0.014	0.7	<0.038	0.7	<0.040	0.7	<0.022	0.7	<0.032	0.7	<0.032
Heptachlor	0.9	<0.60	0.9	<0.30	0.9	<0.060	0.9	<0.012	0.9	<0.013	0.9	<0.045	0.9	<0.035	0.9	<0.037	0.9	<0.017	0.9	<0.027	0.9	0.045
Heptachlor epoxide	0.9	<0.50	0.9	<0.25	0.9	<0.050	0.9	<0.010	0.9	<0.011	0.9	<0.045	0.9	<0.032	0.9	<0.034	0.9	<0.019	0.9	<0.008	0.9	<0.008
PCB-1242	4	<3.0	4	<1.5	4	<0.300	4	<0.40	4	<0.44	4	<0.34	4	<0.41	4	<0.43	4	<0.52	4	<0.37	4	<0.37
PCB-1254	4	<5.0	4	<2.5	4	<0.500	4	<0.22	4	<0.24	4	<0.34	4	<0.20	4	<0.21	4	<0.27	4	<0.23	4	<0.23
PCB-1221	4	<9.0	4	<4.5	4	<0.900	4	<0.34	4	<0.37	4	<0.55	4	<0.68	4	<0.71	4	<0.81	4	<0.22	4	<0.22
PCB-1232	4	<0.70	4	<0.35	4	<0.070	4	<0.41	4	<0.45	4	<0.77	4	<0.66	4	<0.69	4	<0.32	4	<0.55	4	<0.55
PCB-1248	4	<2.0	4	<1.0	4	<0.200	4	<0.21	4	<0.23	4	<0.30	4	<0.78	4	<0.82	4	<0.26	4	<0.19	4	<0.19
PCB-1260	4	<4.0	4	<2.0	4	<0.400	4	<0.19	4	<0.21	4	<0.34	4	<0.21	4	<0.22	4	<0.22	4	<0.32	4	<0.32
PCB-1016	4	<4.0	4	<2.0	4	<0.400	4	<0.26	4	<0.28	4	<0.37	4	<0.36	4	<0.38	4	<0.31	4	<0.18	4	<0.18
Toxaphene	11	<7.0	11	<3.5	11	<0.700	11	<0.33	11	<0.36	11	<0.79	11	<0.53	11	<0.56	11	<0.32	11	<0.22	11	<0.22

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OUTFALL ID: SR49 RECEIVING WATER: Salt River DESIGNATED USES: A&Wedw, PBC, FC, AgI, and AgL	MONITORING SEASONS Summer: June 1 – October 31 Winter: November 1 – May 31																						
	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15		
	SAMPLING DATE(S):	SWQS	1/19/10	SWQS	10/5/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	8/17/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/1/14	SWQS	12/4/14
	MONITORING PARAMETERS ^{1, 2}																						
	Conventional Parameters																						
Flow ³ (cfs)	NS	7.305	NS	24.448	NS	7.592	NS	3.783	NS	9.025	NS	5.83	NS	3.56	NS	18.84	NS	13.48	NS	10.791	NS	10.166	
pH	6.5-9	8.60	6.5-9	9.78	6.5-9	8.17	6.5-9	6.92	6.5-9	8.04	6.5-9	7.48	6.5-9	7.45	6.5-9	8.03	6.5-9	8.54	6.5-9	7.64	6.5-9	8.01	
Temperature (°C)	Varies	15.0	Varies	10.0	Varies	16.0	Varies	30.0	Varies	10.8	Varies	28.0	Varies	20.0	Varies	28.6	Varies	17.0	Varies	28.5	Varies	18.0	
Hardness (mg/L)	400	73	400	183	400	92.5	400	167	400	48.5	400	63.2	400	103	400	39.9	400	32.8	400	74.8	400	142	
Total Dissolved Solids (TDS) (mg/L) ²	NS	58	NS	93.0	NS	160	NS	602	NS	182	NS	228	NS	402	NS	134	NS	100	NS	290	NS	362	
Total Suspended Solids (TSS) (mg/L) ²	NS	400	NS	1360	NS	205	NS	34.0	NS	354	NS	170	NS	226	NS	440	NS	420	NS	508	NS	200	
Biochemical Oxygen Demand (BOD) (mg/L) ²	NS	16	NS	12.6	NS	17.8	NS	63	NS	32	NS	32	NS	69	NS	35	NS	22	NS	66	NS	33	
Chemical Oxygen Demand (COD) (mg/L) ²	NS	130	NS	140	NS	124	NS	410	NS	220	NS	280	NS	430	NS	270	NS	200	NS	440	NS	210	

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Inorganics																						
Cyanide, total (µg/L) ²	41 T	<5.0	41 T	<5.0	41 T	<5.00	41 T	<5.0	41 T	<5.0	41 T	<5	41 T	<5	41 T	<50	41 T	<5	41 T	<5	41 T	<5
Nutrients (mg/L) ²																						
Nitrate + Nitrite as N	NS	0.65	NS	0.655	NS	0.870	NS	2.7	NS	1.2	NS	1.6	NS	3.2	NS	1.2	NS	0.8	NS	2.8	NS	1.9
Ammonia as N	2.65	0.86	<1.32	0.861	6.089	1.01	38.5	2.6	7.82	1.6	20.52	1.5	21.45	4.1	5.33	1.3	1.99	1.1	10.7	2.8	5.52	1.4
Total Kjeldahl Nitrogen (TKN)	NS	2.9	NS	4.27	NS	3.19	NS	11	NS	4.5	NS	5.1	NS	11	NS	5.3	NS	3.8	NS	8.0	NS	4.7
Total Phosphorus as P	NS	0.93	NS	2.01	NS	0.642	NS	0.99	NS	1.5	NS	0.92	NS	0.80	NS	0.46	NS	1.5	NS	2.1	NS	0.35
Ortho-Phosphorus as P	NS	0.33	NS	0.168	NS	0.253	NS	0.3	NS	0.3	NS	0.3	NS	0.4	NS	0.3	NS	0.2	NS	0.6	NS	0.1
Microbiological																						
<i>Escherichia coli</i> (<i>E. coli</i>) (CFU/100 mg or MPN/100 mL) ²	575	>2,419.6	575	>2,420	575	14,670	575	>2,419.6	575	>2,419.6	575	2,419.6	575	1,553.1	575	>2,419.6	575	>2,419.6	575	>2,419.6	575	>2,419.6

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SAMPLING DATE(S):	SWQS	1/19/10	SWQS	10/5/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	8/17/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/1/14	SWQS	12/4/14
Total Metals (µg/L) ²																						
Antimony	640 T 1,000 D	<25 T&D	640 T 1,000 D	<25 T&D	640 T 1,000 D	<25 T&D	640 T 1,000 D	2.9 T 2.4 D	640 T 1,000 D	2.2 T 1.0 D	640 T 1,000 D	2.0 T 1.4 D	640 T 1,000 D	3.3 T 1.5 D	640 T 1,000 D	1.8 T 0.7 D	640 T 1,000 D	1.8 T 0.3 D	640 T 1,000 D	4.3 T 1.9 D	640 T 1,000 D	2.7 T 1.6 D
Arsenic	80 T 340 D	<10 T&D	80 T 340 D	15 T <10 D	80 T 340 D	<10 T&D	80 T 340 D	5.2 T 3.4 D	80 T 340 D	5.7 T 1.5 D	80 T 340 D	5.2 T 2.3 D	80 T 340 D	5.8 T 2.2 D	80 T 340 D	6.5 T 1.4 D	80 T 340 D	4.2 T 0.6 D	80 T	7.7 T 2.3 D	80 T	4.4 T 2.0 D
Barium	98,000 T	160 T 11 D	98,000 T	401 T 37 D	98,000 T	123 T 32 D	98,000 T	147 T 90 D	98,000 T	193 T 26 D	98,000 T	146 T 33 D	98,000 T	230 T 48 D	98,000 T	241 T 25 D	98,000 T	157 T 8 D	98,000 T	251 T 44 D	98,000 T	160 T 56 D
Beryllium	84 T	<2.0 T&D	84 T	<2 T&D	84 T	<2 T&D	84 T	0.33 T <0.15 D	84 T	0.56 T <0.06 D	84 T	0.41 T <0.15 D	84 T	0.59 T <0.15 D	84 T	0.79 T <0.15 D	84 T	0.4 T <0.06 D	84 T	0.74 T <0.06 D	84 T	0.3 T <0.06 D
Cadmium	50 T 5.79 D	<3.0 T <3.0 D	50 T 14.16 D	<3 T <3 D	50 T 7.29 D	<3 T&D	50 T 12.95 D	0.6 T 0.3 D	50 T 3.89 D	0.7 T <0.10 D	50 T 5.08 D	0.7 T <0.25 D	50 T 8.10 D	1.1 T <0.25 D	50 T 3.22 D	1.0 T <0.25 T	50 T 2.66 D	0.9 T <0.10 D	50 T 5.93 D	0.9 T <0.12 D	50 T 11.07 D	0.4 T <0.12 D
Chromium	1,000 T	14 T <10 D	1,000 T	53 T <10 D	1,000 T	17 T <10 D	1,000 T	8.7 T <4.50 D	1,000 T	20.8 T <1.80 D	1,000 T	13.9 T <2.00 D	1,000 T	17.3 T <2.00 D	1,000 T	26.3 T <2.00 D	1,000 T	14.4 T <0.80 D	1,000 T	27.3 T 2.2 D	1,000 T	11.2 T 1.4 D
Copper	500 T 9.99 D	110 T <i><10 D</i>	500 T 23.75 D	184 T 19 D	500 T 12.48 D	72 T 16 D	500 T 21.79 D	87.4 T 38.2 D	500 T 6.80 D	94.8 T 12.7 D	500 T 8.80 D	91.1 T 16.8 D	500 T 13.82 D	152 T 45.2 D	500 T 5.66 D	149 T 11.8 D	500 T 4.70 D	79.1 T 5.5 D	500 T 10.22 D	127 T 18.4 D	500 T 18.70	75.6 T 19.8 D
Lead	15 T 45.778 D	30 T <10 D	15 T 123.87 D	64 T <10 D	15 T 59.32 D	17 T <10 D	15 T 112.34 D	10.8 T 1.4 D	15 T 29.14 D	28.6 T 0.6 D	15 T 39.46 D	22.9 T 0.9 D	15 T 66.69 D	38.9 T 0.8 D	15 T 23.45 D	48.2 T 2.3 D	15 T 18.83 D	39.5 T 0.3 D	15 T 47.01 D	35.4 T 2.0 D	15 T 94.40	16.0 T 0.5 D
Mercury	10 T 2.4 D	<0.2 T <i><0.2 D</i>	10 T 2.4 D	<0.2 T&D	10 T 2.4 D	<0.20 T&D	10 T 2.4 D	0.10 T <0.092 D	10 T 2.4 D	<0.092 T&D	10 T 2.4 D	<0.040 T <0.040 D	10 T 2.4 D	<0.040 T <0.040 D	10 T 2.4 D	0.06 T <0.020 D	10 T 2.4 D	0.04 T <0.020 D	10 T 2.4 D	0.13 T <0.2 D	10 T 2.4 D	<0.092 T <0.092 D
Nickel	511 T 359 D	24 T <10 D	511 T 781 D	79 T <10 D	511 T 438 D	20 T <10 D	511 T 723 D	20.5 T 14.2 D	511 T 254 D	27.9 T 4.4 D	511 T 320 D	19.3 T 5.6 D	511 T 480 D	26.4 T 8.6 D	511 T 215.5 D	34.8 T 4.4 D	511 T 182.2 D	18.5 T 1.1 D	511 T 366.2 D	34.6 T 7.2 D	511 T 630	16.0 T 4.3 D
Selenium	20 T	<2.0 T&D	20 T	<2.00 T&D	20 T	<2.00 T&D	20 T	0.92 T 0.9 D	20 T	1.1 T <0.34 D	20 T	<0.60 T <0.60 D	20 T	1.3 T 0.8 D	20 T	<0.60 T <0.60 D	20 T	<0.60 T <0.24 D	20 T	1.1 T 0.7 D	20 T	0.78 T 0.6 D
Silver	4,667 T 1.87 D	<5.0 T <i><5.0 D</i>	4,667 T 9.10 D	<5 T <5 D	4,667 T 2.81 D	<5 T <i><5 D</i>	4,667 T 7.77 D	<0.2 T&D	4,667 T 0.93 D	<0.20 T&D	4,667 T 1.48 D	0.2 T <0.15 D	4,667 T 3.38 D	0.5 T <0.15 D	4,667 T 0.667 D	0.3 T <0.15 D	4,667 T 0.474 D	0.2 T <0.15 D	4,667 T 1.952 D	0.2 T <0.20 D	4,667 T 5.88	0.1 T <0.08 D
Thallium	1 T 700 D	<0.5 T&D	1 T 700 D	<0.5 T&D	1 T 700 D	<0.50 T <0.5 D	1 T 700 D	<0.20 T&D	1 T 700 D	<0.20 T <0.08 D	1 T 700 D	<0.20 T <0.20 D	1 T 700 D	<0.20 T <0.20 D	1 T 700 D	<0.20 T <0.20 D	1 T 700 D	0.29 T <0.08 D	1 T 700 D	0.37 T <0.04 D	1 T 700 D	0.30 T <0.04 D
Zinc	5,106 T 89.8 D	370 T <50 D	5,106 T 195.5 D	800 T 62 D	5,106 T 109.7 D	298 T <50 D	5,106 T 181.0 D	262T 137 D	5,106 T 63.45 D	374 T 29.8 D	5,106 T 80.08 D	297 T 37.2 D	5,106 T 120.2 D	528 T 99.2 D	5,106 T 53.79 D	458 T 39.5 D	5,106 T 45.56 D	349 T 11.6 D	5,106 T 91.6 D	502 T 51.4 D	5,106 T 157.7	180 T 25.6 D
Organic Toxic Pollutants																						
Total Petroleum Hydrocarbons (TPH) (mg/L) ²	NS	<5.0	NS	<5.00	NS	<5.00	NS	130	NS	<10	NS	<10	NS	<10	NS	<11	NS	<11	NS	<10	NS	<10
Total Oil and Grease (mg/L) ²	NS	<5.0	NS	<5.00	NS	<5.00	NS	<10	NS	<5	NS	<10	NS	8.1	NS	<5.7	NS	<5.7	NS	7.0	NS	7.6
VOCs, Semi-VOCs, & Pesticides (µg/L) ²																						
Acrolein	1.9	<50	1.9	<50.0	1.9	<50.0	1.9	<3.73	1.9	<0.37	1.9	<1.465	1.9	<1.465	1.9	<0.20	1.9	<0.20	1.9	<2.00	1.9	<0.40
Acrylonitrile	0.2	<5.0	0.2	<5.00	0.2	<5.00	0.2	<1.67	0.2	<0.17	0.2	<1.130	0.2	<1.130	0.2	<0.16	0.2	<0.16	0.2	<0.70	0.2	<0.14
Benzene	114	<0.50	114	<0.500	114	<0.500	114	<2.30	114	<0.20	114	<0.75	114	<0.75	114	<1.20	114	<0.24	114	<1.20	114	<0.13
Bromoform	133	<1.0	133	<1.00	133	<1.00	133	<4.15	133	<0.25	133	<2.15	133	<2.15	133	<2.35	133	<0.47	133	<2.35	133	<0.28
Carbon tetrachloride	2	<0.50	2	<0.500	2	<0.500	2	<2.30	2	<0.31	2	<1.65	2	<1.65	2	<1.30	2	<0.26	2	<1.30	2	<0.23
Chlorobenzene	1,553	<0.50	1,553	<0.500	1,553	<0.500	1,553	<3.70	1,553	<0.25	1,553	<1.40	1,553	<1.40	1,553	<0.80	1,553	<0.16	1,553	<0.80	1,553	<0.13

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Chlorodibromomethane	13	<0.50	13	<0.500	13	<0.500	13	<3.90	13	<0.21	13	<1.30	13	<1.30	13	<0.90	13	<0.18	13	<0.90	13	<0.24
Chloroethane (ethyl chloride)	NS	<5.0	NS	<5.00	NS	<5.00	NS	<2.25	NS	<0.14	NS	<1.35	NS	<1.35	NS	<1.10	NS	<0.22	NS	<1.10	NS	<0.19
2-chloroethylvinyl ether	180,000	<2.0	180,000	<2.00	180,000	<2.00	180,000	<0.174	180,000	<0.174	180,000	<1.10	180,000	<0.22	180,000	<0.22	180,000	<0.22	180,000	<0.95	180,000	<0.19
Chloroform	2,133	<0.50	2,133	<0.500	2,133	<0.500	2,133	<2.30	2,133	<0.40	2,133	<1.05	2,133	<1.05	2,133	<1.15	2,133	<0.23	2,133	<1.15	2,133	<0.14
Dichlorobromomethane	17	<0.50	17	<0.500	17	<0.500	17	<2.95	17	<0.23	17	<0.75	17	<0.75	17	<1.15	17	<0.23	17	<1.15	17	<0.15
1,1-dichloroethane	NS	<1.0	NS	<1.00	NS	<1.00	NS	<2.15	NS	<0.18	NS	<0.65	NS	<0.65	NS	<1.30	NS	<0.26	NS	<1.30	NS	<0.19
1,2-dichloroethane	37	<1.0	37	<1.00	37	<1.00	37	<2.45	37	<0.20	37	<0.80	37	<0.80	37	<1.25	37	<0.25	37	<1.25	37	<0.11
1,1-dichloroethylene	7,143	<1.0	7,143	<1.00	7,143	<1.00	7,143	<2.10	7,143	<0.23	7,143	<1.85	7,143	<1.85	7,143	<1.40	7,143	<0.28	7,143	<1.40	7,143	<0.27
1,2-dichloropropane	17,518	<0.50	17,518	<0.500	17,518	<0.500	17,518	<2.50	17,518	<0.22	17,518	<0.75	17,518	<0.75	17,518	<1.25	17,518	<0.25	17,518	<1.25	17,518	<0.18
1,3-dichloropropylene	42	<1.0	42	<1.00	42	<1.00	42	cis<2.85 trans<3.45	42	<0.19	42	cis<0.50 trans<0.75	42	cis<0.50 trans<0.75	42	cis<1.20 trans<1.10	42	cis<0.24 trans<0.22	42	cis <1.20 trans <1.10	42	<0.13
Ethylbenzene	2,133	<2.0	2,133	<2.00	2,133	<2.00	2,133	<3.35	2,133	<0.27	2,133	<1.45	2,133	<1.45	2,133	<0.65	2,133	<0.13	2,133	<0.65	2,133	<0.15
Methyl bromide	299	<5.0	299	<5.00	299	<5.00	299	<2.35	299	<0.14	299	<0.95	299	<0.95	299	<0.95	299	<0.19	299	<0.95	299	<0.18
Methyl chloride	270,000	<5.0	270,000	<5.00	270,000	<5.00	270,000	<2.15	270,000	<0.20	270,000	<1.85	270,000	<1.85	270,000	<1.40	270,000	<0.28	270,000	<1.40	270,000	<0.23
Methylene chloride	593	<3.0	593	<3.00	593	<3.00	593	2.0	593	<0.45	593	<1.40	593	1.6	593	<1.00	593	<0.20	593	<1.00	593	<0.20
1,1,2,2-tetrachloroethane	4	<0.50	4	<0.500	4	<0.500	4	<4.65	4	<0.11	4	<2.45	4	<2.45	4	<2.00	4	<0.40	4	<2.00	4	<0.35
Tetrachloroethylene	261	<0.50	261	<0.500	261	<0.500	261	<2.40	261	<0.26	261	<1.15	261	<1.15	261	<1.05	261	<0.21	261	<1.05	261	<0.13
Toluene	8,700	<3.0	8,700	<3.00	8,700	<3.00	8,700	<2.40	8,700	<0.23	8,700	<0.60	8,700	<0.60	8,700	<0.95	8,700	<0.19	8,700	<0.95	8,700	0.16
1,2-trans-dichloroethylene	10,127	<0.50	10,127	<0.500	10,127	<0.500	10,127	<2.00	10,127	<0.14	10,127	<0.85	10,127	<0.85	10,127	<1.25	10,127	<0.25	10,127	<1.25	10,127	<0.18
1,1,1-trichloroethane	1,000	<0.50	1,000	<0.500	1,000	<0.500	1,000	<2.40	1,000	<0.28	1,000	<1.15	1,000	<1.15	1,000	<1.00	1,000	<0.20	1,000	<1.00	1,000	<0.14
1,1,2-trichloroethane	16	<0.50	16	<0.500	16	<0.500	16	<3.95	16	<0.22	16	<1.20	16	<1.20	16	<0.75	16	<0.15	16	<0.75	16	<0.13
Trichloroethylene	29	<0.50	29	<0.500	29	<0.500	29	<1.90	29	<0.35	29	<1.20	29	<1.20	29	<0.75	29	<0.15	29	<0.75	29	<0.22
1,2,4-Trimethylbenzene	NS	<1.5	NS	<2.00	NS	<1.50	NS	<2.0	NS	<1.0	NS	<5.0	NS	<5.0	NS	<5.0	NS	<1.0	NS	<5.0	NS	<1.0
1,3,5- Trimethylbenzene				<1.5				<2.0		<1.0		<5.0		<5.0		<5.0		<1.0		<5.0		<1.0
Vinyl chloride	5	<0.50	5	<0.500	5	<0.500	5	<2.35	5	<0.19	5	<2.50	5	<2.50	5	<1.00	5	<0.20	5	<1.00	5	<0.22
Xylenes, Total	186,667	<3.0	186,667	<1.00	186,667	<1.00	186,667	<0.95	186,667	<0.51	186,667	<2.90	186,667	<2.90	186,667	<1.50	186,667	<0.30	186,667	<1.50	186,667	<0.13
Acid Compounds (µg/L) ²																						
2-chlorophenol	30	<12	30	<4.92	30	<4.92	30	<22.1	30	<44.2	30	<22.8	30	<57.0	30	<220.9	30	<220.9	30	<74.0	30	<1.48
2,4-dichlorophenol	59	<6.9	59	<2.76	59	<2.76	59	<24.2	59	<48.4	59	<24.4	59	<61.0	59	<217.3	59	<217.3	59	<82.5	59	<1.65
2,4-dimethylphenol	171	<15	171	<5.86	171	<5.86	171	<17.2	171	<34.4	171	<29.2	171	<73.0	171	<117.4	171	<117.4	171	<110.0	171	<2.20
4,6-dinitro-o-cresol	310	<14	310	<5.42	310	<5.42	310	<21.8	310	<43.6	310	<27.6	310	<69.0	310	<153.5	310	<153.5	310	<61.0	310	<1.22
2,4-dinitrophenol	110	<10	110	<4.07	110	<4.07	110	<10.0	110	<20.0	110	<27.8	110	<69.5	110	<133.4	110	<133.4	110	<56.6	110	<1.13
2-nitrophenol	NS	<7.3	NS	<2.92	NS	<2.92	NS	<23.1	NS	<46.2	NS	<55.6	NS	<139.0	NS	<211.7	NS	<211.7	NS	<78.5	NS	<1.57
4-nitrophenol	4,100	<2.1	4,100	<0.846	4,100	<0.846	4,100	<79.7	4,100	<159.4	4,100	<163.2	4,100	<408.0	4,100	<240.5	4,100	<240.5	4,100	<57.0	4,100	<1.14
p-chloro-m-cresol	15	<6.2	15	<1.29	15	<2.50	15	<19.6	15	<39.2	15	<37.2	15	<93.0	15	<227.1	15	<227.1	15	<82.5	15	<1.65
Pentachlorophenol	45.286	<15	164.05	<5.97	29.427	<5.97	8.376	<43.7	25.83	<87.4	14.71	<41.4	14.28	<103.5	25.56	<173.0	42.69	<173.0	17.278	<69.5	25.041	<1.39
Phenol	37	<3.5	37	<1.39	37	<1.39	37	<20.0	37	<40.0	37	<23.8	37	<59.5	37	<182.8	37	<182.8	37	<67.0	37	2.1
2,4,6-trichlorophenol	2	<7.5	2	<3.01	2	<3.01	2	<51.8	2	<103.6	2	<56.0	2	<140.0	2	<246.7	2	<246.7	2	<94.5	2	<1.89

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Bold text indicates a sample result greater than the SWQS.
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Report the average flow rate for the sampling period (no more than 6 hours).

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Standard for total PCBs of 11 µg/L A&We and 19 µg/L PBC.

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SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

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Results for cyanide were collected on 2/19/11 (SC046 on 2/27/11) due to missed hold time on previous samples.

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The method blanks used by the laboratory contained the same concentration of Azobenzene as the outfall sample.

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The sample was lost during extraction at the laboratory due to the glassware breaking.

SR49	Winter 2009-10		Summer 2010		Winter 2010-11		Summer 2011		Winter 2011-12		Summer 2012		Winter 2012-13		Summer 2013		Winter 2013-14		Summer 2014		Winter 2014-15	
SAMPLING DATE(S):	SWQS	1/19/10	SWQS	10/5/10	SWQS	12/23/10	SWQS	7/11/11	SWQS	11/5/11	SWQS	8/17/12	SWQS	12/14/12	SWQS	7/21/13	SWQS	11/22/13	SWQS	8/1/14	SWQS	12/4/14
Bases/Neutrals (µg/L) ²																						
Acenaphthene	198	<3.5	198	<1.41	198	<1.41	198	<13.1	198	<26.2	198	<34.0	198	<85.0	198	<69.0	198	<69.0	198	<51.5	198	<1.03
Acenaphthylene	NS	<14	NS	<5.54	NS	<5.54	NS	<15.4	NS	<30.8	NS	<25.4	NS	<63.5	NS	<89.1	NS	<89.1	NS	<50.0	NS	<1.00
Anthracene	74	<3.5	74	<1.40	74	<1.40	74	<16.4	74	<32.8	74	<17.8	74	<44.5	74	<89.1	74	<89.1	74	<144.0	74	<2.88
Benz(a)anthracene	0.02	<3.9	0.02	<1.54	0.02	<1.54	0.02	<26.5	0.02	<53.0	0.02	<31.4	0.02	<78.5	0.02	<89.1	0.02	<89.1	0.02	<54.0	0.02	<1.08
Benzo(a)pyrene	0.02	<3.7	0.02	<1.49	0.02	<1.49	0.02	<44.7	0.02	<89.4	0.02	<38.6	0.02	<96.5	0.02	<96.3	0.02	<96.3	0.02	<188.5	0.02	<3.77
Benzo(b)fluoranthene	0.02	<3.7	0.02	<1.49	0.02	<1.49	0.02	<39.2	0.02	<78.4	0.02	<67.8	0.02	<169.5	0.02	<125.1	0.02	<125.1	0.02	<73.0	0.02	<1.46
Benzo(g,h,i)perylene	NS	<3.8	NS	<1.54	NS	<1.54	NS	<34.0	NS	<68.0	NS	<28.2	NS	<70.5	NS	<89.1	NS	<89.1	NS	<64.5	NS	<1.29
Benzo(k)fluoranthene	0.02	<3.9	0.02	<1.56	0.02	<1.56	0.02	<30.0	0.02	<60.0	0.02	<23.0	0.02	<57.5	0.02	<72.1	0.02	<72.1	0.02	<52.0	0.02	<1.04
Chrysene	0.02	<4.0	0.02	<1.60	0.02	<1.60	0.02	<25.6	0.02	<51.2	0.02	<17.8	0.02	<44.5	0.02	<76.2	0.02	<76.2	0.02	<70.5	0.02	<1.41
Dibenzo(a,h)anthracene	0.02	<3.7	0.02	<1.49	0.02	<1.49	0.02	<40.6	0.02	<81.2	0.02	<81.0	0.02	<202.5	0.02	<102.0	0.02	<102.0	0.02	<62.0	0.02	<1.24
1,2-dichlorobenzene	205	<13	205	<5.39	205	<5.39	205	<12.7	205	<25.4	205	<43.4	205	<108.5	205	<13.9	205	<13.9	205	<88.0	205	<1.76
1,3-dichlorobenzene	2,500	<12	2,500	<4.79	2,500	<4.79	2,500	<11.9	2,500	<23.8	2,500	<48.4	2,500	<121.0	2,500	<58.2	2,500	<58.2	2,500	<87.0	2,500	<1.74
1,4-dichlorobenzene	2,000	<14	2,000	<5.47	2,000	<5.47	2,000	<14.2	2,000	<28.4	2,000	<42.6	2,000	<106.5	2,000	<54.1	2,000	<54.1	2,000	<78.0	2,000	<1.56
3,3-dichlorobenzidine	0.03	<16	0.03	<6.34	0.03	<6.34	0.03	<118.0	0.03	<236.0	0.03	<147.6	0.03	<369.0	0.03	<1404.4	0.03	<1404.4	0.03	<303.0	0.03	<6.06
Diethyl phthalate	8,767	<3.9	8,767	<1.55	8,767	<1.55	8,767	<19.2	8,767	<38.4	8,767	<29.6	8,767	<74.0	8,767	<97.8	8,767	<97.8	8,767	<118.5	8,767	<2.37
Dimethyl phthalate	17,000	<3.9	17,000	<1.58	17,000	<1.58	17,000	<16.9	17,000	<33.8	17,000	<24.2	17,000	<60.5	17,000	<92.2	17,000	<92.2	17,000	<121.0	17,000	<2.42
Di-n-butyl phthalate	470	<5.1	470	<2.05	470	<2.05	470	<42.6	470	<85.2	470	<45.8	470	<114.5	470	<114.8	470	<114.8	470	<92.5	470	<1.85
2,4-dinitrotoluene	421	<15	421	<6.00	421	<6.00	421	<26.9	421	<53.8	421	<26.2	421	<65.5	421	<105.6	421	<105.6	421	<106.0	421	<2.12
2,6-dinitrotoluene	3,733	<3.8	3,733	<1.51	3,733	<1.51	3,733	<38.8	3,733	<77.6	3,733	<37.4	3,733	<93.5	3,733	<129.8	3,733	<129.8	3,733	<56.0	3,733	<1.12
Di-n-octyl phthalate	373,333	<6.7	373,333	<2.69	373,333	<2.69	373,333	<78.6	373,333	<157.2	373,333	<82.6	373,333	<206.5	373,333	<148.3	373,333	<148.3	373,333	<55.0	373,333	<1.10
1,2-diphenylhydrazine (as azobenzene)	NS	<3.6	NS	3.62 ⁷	NS	<1.43	NS ⁸	<14.4	NS ⁸	<28.8	NS ⁸	<21.4	NS ⁸	<53.5	NS ⁸	<120.0	NS ⁸	<120.0	NS ⁸	<335.0	NS ⁸	<6.70
Fluoranthene	28	<4.2	28	<1.68	28	<1.68	28	<24.5	28	<49.0	28	<13.4	28	<33.5	28	<92.2	28	<92.2	28	<67.5	28	<1.35
Fluorene	1,067	<3.6	1,067	<1.42	1,067	<1.42	1,067	<13.1	1,067	<26.2	1,067	<33.6	1,067	<84.0	1,067	<79.3	1,067	<79.3	1,067	<240.5	1,067	<4.81
Hexachlorobenzene	0.0003	<2.9	0.0003	<1.15	0.0003	<1.15	0.0003	<15.0	0.0003	<30.0	0.0003	<26.0	0.0003	<65.0	0.0003	<71.6	0.0003	<71.6	0.0003	<61.5	0.0003	<1.23
Hexachlorobutadiene	18	<15	18	<5.89	18	<5.89	18	<18.4	18	<36.8	18	<27.4	18	<68.5	18	<17.0	18	<17.0	18	<91.0	18	<1.82
Hexachlorocyclopentadiene	3.5	<16	3.5	<6.20	3.5	<6.20	3.5	<37.4	3.5	<74.8	3.5	<26.4	3.5	<66.0	3.5	<116.9	3.5	<116.9	3.5	<61.5	3.5	<1.23
Hexachloroethane	3.3	<15	3.3	<6.01	3.3	<6.01	3.3	<13.4	3.3	<26.8	3.3	<28.0	3.3	<70.0	3.3	<20.6	3.3	<20.6	3.3	<81.0	3.3	<1.62
Indeno(1,2,3-cd)pyrene	0.2	<3.8	0.2	<1.54	0.2	<1.54	0.2	<41.9	0.2	<83.8	0.2	<66.6	0.2	<166.5	0.2	<104.5	0.2	<104.5	0.2	<69.5	0.2	<1.39
Isophorone	961	<3.5	961	<1.41	961	<1.41	961	<17.3	961	<34.6	961	<38.0	961	<95.0	961	<72.6	961	<72.6	961	<107.0	961	<2.14
Naphthalene	1,524	<12	1,524	<4.96	1,524	<4.96	1,524	<10.3	1,524	<20.6	1,524	<28.4	1,524	<71.0	1,524	<61.8	1,524	<61.8	1,524	<91.5	1,524	<1.83
Nitrobenzene	138	<3.6	138	<1.44	138	<1.44	138	<23.8	138	<47.6	138	<26.2	138	<65.5	138	<63.3	138	<63.3	138	<105.0	138	<2.10
N-nitrosodimethylamine	0.03	<11	0.03	<4.35	0.03	<4.35	0.03	<10.3	0.03	<20.6	0.03	<32.8	0.03	<82.0	0.03	<61.8	0.03	<61.8	0.03	<50.0	0.03	<1.00
N-nitrosodi-n-propylamine	0.5	<3.6	0.5	<1.45	0.5	<1.45	0.5	<26.5	0.5	<53.0	0.5	<37.6	0.5	<94.0	0.5	<77.8	0.5	<77.8	0.5	<57.5	0.5	<1.15
N-nitrosodiphenylamine	6	<16	6	<6.48	6	<6.48	6	<16.4	6	<32.8	6	<20.0	6	<50.0	6	<156.6	6	<156.6	6	<178.5	6	<3.57

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Phenanthrene	30	<3.6	30	<1.42	30	<1.42	30	<12.8	30	<25.6	30	<15.2	30	<38.0	30	<83.9	30	<83.9	30	<69.5	30	<1.39
Pyrene	800	<4.2	800	<1.67	800	<1.67	800	<24.5	800	<49.0	800	<46.6	800	<116.5	800	<84.5	800	<84.5	800	<193.0	800	<3.86
1,2,4-trichlorobenzene	70	<13	70	<5.29	70	<5.29	70	<14.2	70	<28.4	70	<53.2	70	<133.0	70	<16.5	70	<16.5	70	<84.5	70	<1.69
Pesticides (µg/L) ²																						
Aldrin	0.00005	<1.2	0.00005	<0.600	0.00005	<0.120	0.00005	<0.013	0.00005	<0.013	0.00005	<0.058	0.00005	<0.046	0.00005	<0.046	0.00005	<0.016	0.00005	<0.027	0.00005	<0.027
Alpha-BHC	0.005	<1.0	0.005	<0.500	0.005	<0.100	0.005	<0.016	0.005	<0.016	0.005	<0.044	0.005	<0.038	0.005	<0.038	0.005	<0.017	0.005	<0.021	0.005	<0.021
Beta-BHC	0.02	<1.0	0.02	<0.500	0.02	<0.100	0.02	<0.085	0.02	0.413	0.02	<0.048	0.02	<0.095	0.02	<0.095	0.02	<0.093	0.02	<0.072	0.02	<0.072
Gamma-BHC	1	<1.0	1	<0.500	1	<0.100	1	<0.014	1	0.120	1	<0.055	1	<0.033	1	0.062	1	<0.023	1	<0.034	1	<0.034
Delta-BHC	1,600	<1.0	1,600	<0.500	1,600	<0.100	1,600	<0.016	1,600	0.025	1,600	<0.035	1,600	<0.032	1,600	<0.032	1,600	<0.018	1,600	<0.021	1,600	<0.021
Chlordane	0.0008	<14	0.0008	<7.00	0.0008	<1.40	0.0008	<0.35	0.0008	<0.35	0.0008	<0.29	0.0008	<0.16	0.0008	<0.16	0.0008	<0.20	0.0008	<0.14	0.0008	<0.14
4,4'-DDT	0.0002	<1.2	0.0002	<0.600	0.0002	<0.120	0.0002	<0.020	0.0002	<0.020	0.0002	<0.052	0.0002	<0.029	0.0002	<0.029	0.0002	<0.016	0.0002	<0.025	0.0002	<0.025
4,4'-DDE	0.0002	<1.0	0.0002	<0.500	0.0002	<0.100	0.0002	<0.011	0.0002	<0.011	0.0002	<0.036	0.0002	<0.034	0.0002	<0.034	0.0002	<0.018	0.0002	<0.010	0.0002	<0.010
4,4'-DDD	0.0002	<1.0	0.0002	<0.500	0.0002	<0.100	0.0002	<0.017	0.0002	<0.017	0.0002	<0.031	0.0002	<0.023	0.0002	<0.023	0.0002	<0.014	0.0002	<0.031	0.0002	<0.031
Dieldrin	0.00005	<1.0	0.00005	<0.500	0.00005	<0.100	0.00005	<0.024	0.00005	0.080	0.00005	<0.045	0.00005	<0.028	0.00005	<0.028	0.00005	<0.022	0.00005	<0.030	0.00005	<0.030
Alpha-endosulfan	0.2	<1.0	0.2	<0.500	0.2	<0.100	0.2	0.053	0.2	<0.010	0.2	<0.048	0.2	<0.034	0.2	<0.034	0.2	<0.018	0.2	<0.018	0.2	<0.018
Beta-endosulfan	0.2	<1.0	0.2	<0.500	0.2	<0.100	0.2	<0.021	0.2	<0.021	0.2	<0.054	0.2	<0.034	0.2	<0.034	0.2	<0.013	0.2	<0.032	0.2	<0.032
Endosulfan sulfate	0.2	<1.0	0.2	<0.500	0.2	<0.100	0.2	<0.015	0.2	<0.015	0.2	<0.030	0.2	<0.025	0.2	<0.025	0.2	<0.014	0.2	<0.008	0.2	0.071
Endrin	0.004	<1.2	0.004	<0.600	0.004	<0.120	0.004	<0.019	0.004	<0.019	0.004	<0.036	0.004	<0.035	0.004	<0.035	0.004	<0.016	0.004	<0.017	0.004	<0.017
Endrin aldehyde	0.09	<1.0	0.09	<0.500	0.09	<0.100	0.09	<0.015	0.09	<0.015	0.09	<0.014	0.09	<0.038	0.09	<0.038	0.09	<0.023	0.09	<0.032	0.09	<0.032
Heptachlor	0.00008	<1.2	0.00008	<0.600	0.00008	<0.120	0.00008	<0.012	0.00008	<0.012	0.00008	<0.045	0.00008	0.087	0.00008	<0.035	0.00008	<0.018	0.00008	<0.027	0.00008	0.063
Heptachlor epoxide	0.00004	<1.0	0.00004	<0.500	0.00004	<0.100	0.00004	<0.010	0.00004	<0.010	0.00004	<0.045	0.00004	<0.032	0.00004	<0.032	0.00004	<0.020	0.00004	<0.008	0.00004	<0.008
PCB-1242	4	<6.0	4	<3.00	4	<0.600	4	<0.40	4	<0.40	4	<0.34	4	<0.41	4	<0.41	4	<0.55	4	<0.37	4	<0.37
PCB-1254	4	<10	4	<5.00	4	<1.00	4	<0.22	4	<0.22	4	<0.34	4	<0.20	4	<0.20	4	<0.29	4	<0.23	4	<0.23
PCB-1221	4	<18	4	<9.00	4	<1.80	4	<0.34	4	<0.34	4	<0.55	4	<0.68	4	<0.68	4	<0.86	4	<0.22	4	<0.22
PCB-1232	4	<1.4	4	<0.700	4	<0.140	4	<0.41	4	<0.41	4	<0.77	4	<0.66	4	<0.66	4	<0.34	4	<0.55	4	<0.55
PCB-1248	4	<4.0	4	<2.00	4	<0.400	4	<0.21	4	<0.21	4	<0.30	4	<0.78	4	<0.78	4	<0.28	4	<0.19	4	<0.19
PCB-1260	4	<8.0	4	<4.00	4	<0.800	4	<0.19	4	<0.19	4	<0.34	4	<0.21	4	<0.21	4	<0.23	4	<0.32	4	<0.32
PCB-1016	4	<8.0	4	<4.00	4	<0.800	4	<0.26	4	<0.26	4	<0.37	4	<0.36	4	<0.36	4	<0.33	4	<0.18	4	<0.18
Toxaphene	0.0003	<14	0.0003	<7.00	0.0003	<1.40	0.0003	<0.33	0.0003	<0.33	0.0003	<0.79	0.0003	<0.53	0.0003	<0.53	0.0003	<0.34	0.0003	<0.22	0.0003	<0.22

NOTES:

NS = no standard applicable to the designated use

T = Total

D = Dissolved

D^a = Result is assumed based upon a 1:1 ratio to total metals

T&D = Total and Dissolved

Bold text indicates a sample result greater than the SWQS.

Italicized text indicated a laboratory detection limit higher than the SWQS.

Footnotes

1 The Permittee shall report on any additional parameters that were monitored for seasonal stormwater sampling as required by Section 6.0 of this permit (Special Conditions).

2 Analytical results shall be reported in the units specified for each category or parameter.

3 Report the average flow rate for the sampling period (no more than 6 hours).

4 Standard for total PCBs of 11 µg/L A&We and 19 µg/L PBC.

5 SWQS value based on a maximum hardness of 400 mg/L. Actual hardness results were higher.

6 Results for cyanide were collected on 2/19/11 (SC046 on 2/27/11) due to missed hold time on previous samples.

7 The method blanks used by the laboratory contained the same concentration of Azobenzene as the outfall sample.

8 In reporting years 2008-2010, the SWQS for 1,2 diphenylhydrazine was listed. Since COP wet weather samples are analyzed as azobenzene and Arizona has no SWQS for azobenzene, the table now says NS.

9 The sample was lost during extraction at the laboratory due to the glassware breaking.

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PART 10: ASSESSMENT OF MONITORING DATA

- A. Stormwater Quality: Provide an evaluation of the sampling results for each outfall monitoring location, including an assessment of any improvements or degradation of stormwater quality from each drainage area. In the year 4, Annual Report, discuss possible explanations for stormwater quality trends, including the implementation of stormwater management practices to reduce the discharge of pollutants to and from the storm sewer system.

Escherichia Coli (*E. coli*) has been detected at concentrations greater than the applicable Surface Water Quality Standards (SWQS) at six monitored outfalls throughout the permit term. One outfall, AC33, does not have an applicable SWQS for *E. coli*. Total lead has been observed in elevated concentrations at all monitored outfalls, and dissolved copper has been observed in elevated concentrations at all but one monitored outfall. These metals are common transportation-related stormwater pollutants. A few of the monitored outfalls occasionally have elevated detections of pesticides including 4,4' DDE, heptachlor, and Aldrin. The pesticides detected in stormwater runoff have been banned from use in the United States for several decades and are likely present due to historical application of these chemicals.

AC33

The designated uses for the receiving water for this outfall, the ACDC, include agricultural irrigation (Agl) and agricultural livestock watering (AgL). The primary land uses are open land and residential. There have been very few SWQS exceedances at this outfall. The SWQS for *E. coli* is not applicable for AgI/AgL designated uses. Aldrin has been detected at concentrations greater than the applicable SWQS in winter samples collected in 2012 and 2013. Total lead (2010 & 2011) and dieldrin (2011) have also been reported above their applicable standards at this outfall.

IB08

Stormwater runoff from this outfall discharges to the Indian Bend Wash. Applicable designated uses are aquatic and wildlife ephemeral (A&We) and partial body contact (PBC). The dominant land use category in this area is residential. In addition to *E. coli* exceedances, elevated levels of dissolved copper and total lead have been detected. Endrin Aldehyde was detected once (2009).

SR03

The receiving water for SR03 is the Salt River. Designated uses include aquatic and wildlife effluent dependent water (A&Wedw), PBC, Fish Consumption (FC), AgI and AgL. Land use for this outfall is divided amongst residential, institutional, industrial, commercial, and open land. Elevated concentrations of dissolved copper, total lead, and pesticides have been observed in this outfall, in addition to *E. coli*. In December 2014, Heptachlor was detected above the applicable SWQS for a second time (first in 2012).

SR30

This outfall discharges to the Salt River. Designated uses for this segment of the Salt River are the same as those listed for SR03. Primary land use categories are open land and residential, with some areas of industrial/commercial use. Total lead, dissolved copper, and a single occurrence of elevated ammonia have been observed in this area, along with elevated *E. coli* and 4,4'-DDE concentrations.

SR45

This outfall discharges stormwater to the Salt River. The designated uses for this segment of the Salt River are A&We and PBC. In addition to *E. coli* exceedances, elevated concentrations of total lead and dissolved copper have been reported for this outfall during the permit term. The properties in this area are primarily commercial and light industrial.

SR49

The receiving water for this outfall is the Salt River. The applicable designated uses are A&Wedw, PBC, FC, AgI and AgL. Elevated concentrations of dissolved copper, total lead, and pesticides have been observed at this outfall, in addition to *E. coli*. Inspectors noted that this catchment area includes several agricultural properties, (used for grazing by horses, cows, goats, and sheep), along with newer residential areas and light industrial properties. In December 2014, Heptachlor was detected above the applicable SWQS for a second time (first in 2012).

SC046

Skunk Creek Wash is the receiving water for this outfall, with designated uses of A&We and PBC. This area is primarily residential with some open land. SWQS exceedances for this outfall are limited to *E. coli*, dissolved copper (3), and total lead (1).

- B. Water Quality Standards (WQS): Compare the sampling results for each outfall monitoring location with the applicable SWQS for the receiving water.

The applicable SWQS for each monitoring station are dependent upon the designated uses for the specific receiving water. Table 10-1 includes the designated uses for each monitoring location:

**Table 10-1
Designated Uses for Monitoring Locations**

Outfall	Receiving Water	Designated Uses
AC33	ACDC	AgI, AgL
IB08	Indian Bend Wash	A&We, PBC
SR03	Salt River at 35th Avenue	A&Wedw, PBC, FC, AgI, and AgL
SR30	Salt River at 27th Avenue	A&Wedw, PBC, FC, AgI, and AgL
SR45	Salt River at 40th Street	A&We, PBC
SR49	Salt River at 67th Avenue	A&Wedw, PBC, FC, AgI, and AgL
SC046	Skunk Creek Wash	A&We, PBC

AgI = Agricultural Irrigation
 AgL = Agricultural Livestock Watering
 A&We = Aquatic and Wildlife, Ephemeral
 A&Wedw = Aquatic and Wildlife, Effluent Dependent Water (acute)
 PBC = Partial Body Contact
 FC = Fish Consumption

The analytical results reported were compared to the lowest applicable standard, as documented in Part 9.

C. Exceeding a WQS: Note any exceedance of a surface water quality standard (as measured at the outfall) during the reporting year, including, at a minimum, the following information:

1. Sampling dates: See Table 10-2
2. Monitoring location (outfall identification number): See Table 10-2
3. Receiving water and water quality standard exceeded: See Table 10-2
4. Outfall monitoring results (laboratory reports): See Table 10-2 and Part 13

Table 10-2
Analytical Results Exceeding SWQS for FY 2014/2015

Outfall	Parameter	Sampling Date	Receiving Water	Designated Use	SWQS	Result
IB08	<i>E. Coli</i>	8/2/14	Indian Bend Wash	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	<i>E. Coli</i>	12/4/14	Indian Bend Wash	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	<i>E. Coli</i>	6/29/15	Indian Bend Wash	PBC	575 MPN/100 mL	2,419.6 MPN/100 mL
	Dissolved Copper	8/2/14	Indian Bend Wash	A&We	9.79 µg/L	13.7 µg/L
	Dissolved Copper	12/4/14	Indian Bend Wash	A&We	4.28 µg/L	5.8 µg/L
	Dissolved Copper	6/30/15	Indian Bend Wash	A&We	21.32 µg/L	40.6 µg/L
SC046	<i>E. Coli</i>	8/2/14	Skunk Creek Wash	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	<i>E. Coli</i>	12/4/14	Skunk Creek Wash	PBC	575 MPN/100 mL	1,413.6
SR03	<i>E. Coli</i>	8/12/14	Salt River	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	<i>E. Coli</i>	12/4/14	Salt River	PBC	575 MPN/100 mL	2,419.6 MPN/100 mL
	Dissolved Copper	8/12/14	Salt River	A&Wedw	5.52 µg/L	9.6 µg/L
	Dissolved Copper	12/4/14	Salt River	A&Wedw	4.66 µg/L	10.6 µg/L
	Total Lead	8/12/14	Salt River	PBC	15 µg/L	49.6 µg/L
	Total Lead	12/4/14	Salt River	PBC	15 µg/L	110 µg/L
	Heptachlor	12/4/14	Salt River	FC	0.00008 µg/L	0.063 µg/L
SR30	<i>E. Coli</i>	8/12/14	Salt River	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	<i>E. Coli</i>	12/4/14	Salt River	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	Dissolved Copper	12/4/15	Salt River	A&Wedw	4.46 µg/L	11.8 µg/L
	Total Lead	8/12/14	Salt River	PBC	15 µg/L	33.9 µg/L
	Total Lead	12/4/14	Salt River	PBC	15 µg/L	29.6 µg/L
	4'4'-DDE	12/4/14	Salt River	FC	0.0002 µg/L	0.027 µg/L
SR45	<i>E. Coli</i>	8/12/14	Salt River	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	<i>E. Coli</i>	12/4/14	Salt River	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	Dissolved Copper	8/12/14	Salt River	A&We	22.40 µg/L	32.7 µg/L
	Dissolved Copper	12/4/14	Salt River	A&We	10.32 µg/L	16.7 µg/L
	Total Lead	12/4/14	Salt River	A&We	15 µg/L	97.9 µg/L

Outfall	Parameter	Sampling Date	Receiving Water	Designated Use	SWQS	Result
SR49	<i>E. Coli</i>	8/1/14	Salt River	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	<i>E. Coli</i>	12/4/14	Salt River	PBC	575 MPN/100 mL	>2,419.6 MPN/100 mL
	Dissolved Copper	8/1/14	Salt River	A&Wedw	10.22 µg/L	18.4 µg/L
	Dissolved Copper	12/4/14	Salt River	A&Wedw	18.70 µg/L	19.8 µg/L
	Total Lead	8/1/14	Salt River	A&Wedw	15 µg/L	35.4 µg/L
	Total Lead	12/4/14	Salt River	A&Wedw	15 µg/L	16.0 µg/L
	Heptachlor	12/4/14	Salt River	FC	0.00008	0.063 µg/L

FC = fish consumption

PBC = partial body contact

A&We = aquatic and wildlife ephemeral

A&Wedw = aquatic and wildlife effluent dependent water (acute)

MPN/100 mL = most probable number of bacteria per 100 milliliters

µg/L = micrograms per liter

5. A description of the circumstances that may have caused or contributed to the exceedance of an applicable water quality standard:

Six monitoring stations showed elevated *E. coli* levels. These exceedances seem to be independent of predominant land uses. One potential source of *E. coli* in stormwater is pet waste. However, other wildlife sources, including birds and bats, should also be considered.

Dissolved copper was elevated at five outfalls. Copper is a common component in pesticides, fungicides, and insecticides. This includes algaecides commonly used in pools, spas, and fountains. Copper is also used in automotive parts such as brake pads, brake linings, and moving engine parts. Consequently, sources of elevated copper could include automotive repair shops, roadway run-off, and pool backwashing.

Four of the seven monitoring stations showed elevated lead levels this Fiscal Year. Lead is used in automotive parts, including tires and batteries. Lead-based paint is sometimes used on buildings and road stripping, and lead was a common additive in gasoline until the 1970's and early 1980's. Therefore, sources of elevated lead could include automotive repair shops, lead tire weights, roadway run-off, and lead-containing sediment deposited in the past from automotive exhaust.

Two monitoring stations showed elevated heptachlor. One monitoring station showed elevated levels of 4,4-dichlorodiphenyldichloroethylene (DDE). Heptachlor is an organochlorine compound (and a component of technical grade chlordane) that was widely used as an insecticide prior to 1974 when it was banned in most countries. DDE is a breakdown product of 1,1,1-trichloro-2,2-di(4-chlorophenyl)ethane (DDT) which was also banned in the 1970's.

6. If a pollutant is noted at levels above the WQS at a particular outfall, more than 1X ('reoccurs'), describe actions taken to determine the source(s) of the pollutant per Sections 4.3 and 4.4 of the permit. Also state any proposed follow-up actions or additional and/or revised management practices or pollution controls to prevent the discharge from causing or contributing to an exceedance of a water quality standard in the future:

The City follows an internal Standard Operating Procedure (COP #6004) "Stormwater Quality Evaluation and Action Plan," to identify the source of pollutants. The purpose of the procedure is to ensure compliance with Sections 4.2, 4.4, and 8.3 of the MS4 Permit. The procedure discusses how a SWQS exceedance is identified, assigns the responsibility for attempting to identify potential sources of the pollutant(s) of concern and evaluating existing BMPs that may require revision to address the issue(s), provides a schedule for implementation, and outlines the requirements for reporting the occurrence to ADEQ.

This fiscal year, the City identified recurring exceedances of *E. coli* at six monitoring stations. The city identified recurring exceedances for total lead at four of the seven monitoring stations. The city also identified five monitoring stations with recurring exceedances of dissolved copper this year. DDE was exceeded once in FY 2014/2015 at one location. In addition, Heptachlor was identified at two locations for the second time (see Table 10-2).

The first step in evaluating each exceedance was to research potential sources of these pollutants in stormwater. A summary of these findings is discussed in Part 10, Section 5, above. Water Quality Inspectors were provided with a summary of the potential sources, along with information on the catchment area for each outfall in question. The inspectors then drove through each catchment area, looking for any obvious causes of the exceedances. In most situations, the inspectors were unable to identify a likely source of the elevated levels. A summary of their findings is included below:

SC046

This is a residential area adjacent to a mountain. In June 2015, inspectors investigated the area for an exceedance of dissolved *E. coli*. They observed a wilderness corridor with a foot path that showed evidence of both wild and domestic fecal waste.

IB08

Much of this drainage area is residential, with a few commercial facilities. Within the residential area, there are several parks and multiple equine properties, though only a few appeared to have horses or other livestock on-site.

Inspectors visited the area in June 2015, looking for possible sources of *E. coli* and copper. No single, obvious source of *E. coli* was identified. A possible source of the *E. coli* could be the domestic pets, pet boarding facilities, parks and equestrian properties in the area. No new obvious sources were identified and no sanitary sewer overflows (SSO) were known to have occurred in the catchment area.

A possible source of copper is algaecide used in swimming pools. Many residential properties in the area are on septic systems, and swimming pools could be drained to the storm drain system. Another possible source of copper is dust from brake pads. The drainage area runs parallel to State Route 51 and includes several major streets that are likely to have accumulated copper from vehicle components (i.e. brake pads, etc.). In addition, automotive repair facilities are a potential source of copper. No new sources of copper were identified and no specific auto repair facilities noted during the investigation appeared to be the source of the dissolved copper exceedance.

AC033

Inspectors investigated an *E. coli* exceedance for this outfall in June 2015. However, after careful review of the Arizona SWQS, it was determined that the SWQS for *E. coli* does not apply to the AgI/AgL designated uses of this surface water body. Therefore, there have been no exceedances of this SWQS at this outfall. The drainage area consists of mostly residential and some commercial properties. In addition, North Mountain Park and Preserve is also in the catchment area.

SR03

Inspectors evaluated this area for obvious sources of *E. coli*, dissolved copper, and total lead in June 2015. The area includes many commercial and industrial businesses, such as salvage and recycling yards, body shops, automotive repair facilities, steel fabricators, and tire shops, as well as several schools, and residential areas. There is a considerable amount of traffic through the area due to the commercial and industrial businesses, as well as major traffic arteries, such as I-10 and I-17, 35th Avenue, Van Buren Road, Durango Road, Broadway Road, and Lower Buckeye Road.

Possible sources of *E. coli* included a large transient population and the Maricopa County stables noted in previous inspections. The lead and copper exceedances may be the result of the heavy amount of automotive traffic within this area. In addition, the numerous scrap yards, automotive repair businesses, and other commercial businesses, as well as older residential homes are all possible sources of lead and copper.

Historical farming in the area could be a source of Heptachlor, which is very persistent in the environment. In addition, a substation owned by Arizona Public Service Company (APS) was identified in a previous investigation, and could be considered as a potential source of Heptachlor, if they use this pesticide onsite (e.g., underground transformers). Additional investigation of this facility is needed.

SR030

Inspectors evaluated this area for obvious sources of *E. coli*, total lead, dissolved copper, and DDE in June 2015. The area includes salvage yards, residential properties, horse properties, farms and two neighborhood parks. The City is in the process of widening Broadway Road. As a result, businesses along Broadway Road (including salvage yards) are moving some stored materials and making changes to their facilities to accommodate the road widening.

No obvious sources of *E. coli* were observed, other than the presence of a few farms and neighborhood parks. Possible sources of lead and copper include auto salvage yards, metal fabrication businesses and auto repair facilities in the area, along with typical sources including lead paint, leaded fuel, and brake pads. No other obvious sources of lead or copper were identified.

The estimated exceedance of DDE could possibly be from the numerous agricultural fields in the area. Though DDT was banned many years ago, DDT and DDE are persistent in the environment, and likely remain in the soils in this historically agricultural area.

SR045

Inspectors evaluated this catchment area in June 2015 for sources of elevated *E. coli*, dissolved copper, and total lead. This drainage area is dense with industrial, commercial, auto body, and paper and metal recycling facilities, as well as a large parking area for Blue Sky Airline employees and various hotels. Traffic is heavy in the area. Main traffic corridors include I-10, SR-143, University Drive, and Phoenix Sky Harbor International Airport.

No obvious sources of *E. coli* were observed. The area is not bordered by or within any wildlife reserves or corridors, there are no open range areas or mountains, nor were domestic animals observed. The area did not appear to support a homeless population.

Sources of copper and lead may include traffic-related pollutants. High traffic volume in the area may be a contributing factor. Several automotive repair and body shops located throughout the area may also be a potential source of elevated lead and copper levels. Because this is an older commercial area, lead-based paint and/or lead pipes used in building construction may also be a potential source of lead.

SR049

Inspectors evaluated the catchment area for sources of *E. coli*, dissolved copper, total lead, and Heptachlor in June 2015. They identified residential and multi-use properties, industrial, agricultural and commercial properties, and some parks. Two construction projects were noted. They also noted that this area has a large concentration of trucking terminals, several trucking dealerships, a truck stop, and truck wash. Therefore, the area has heavy truck traffic.

Potential sources of *E. coli* include goats and other livestock in the area, as well as pet waste concentrating in the retention areas of the parks. Another potential contributor of *E. coli* is a cattle feeding lot located approximately 0.75 miles north of the outfall. Several horse properties were also observed in the area, which could also be a contributing source of *E. coli* in the stormwater samples.

Potential sources of lead and copper include the heavy vehicle traffic from the main corridors, including I-10, 51st, 59th, and 67th Avenues, and Buckeye, Van Buren, Lower Buckeye, and Broadway Roads. In addition, there are numerous auto and truck service stations in the area. Pesticides and fertilizers which contain copper compounds are also in use.

7. A schedule for implementing the proposed follow-up, stormwater or non-stormwater management practices or pollution controls:

As described above, city inspectors conducted thorough visual reconnaissance of each catchment area, searching for potential sources of the elevated levels. No obvious cause of the elevated constituents was identified.

The potential sources for these pollutants are varied. *E. coli* can come from a variety of sources, including pet waste and bird droppings. Though the city cannot control wild birds, the PWD does enforce pet waste requirements. Phoenix City Code, Chapter 27, Section 27-12 requires all animal owners and custodians to immediately clean up and properly dispose of animal waste left on any public street, alley, gutter, sidewalk, right-of-way, or park. Staff hangs notices on doorknobs to educate the public regarding the need to clean up and properly dispose of pet wastes. The door hangers or similarly worded placards

are posted at public facilities such as parks, libraries, and other locations. Pet waste bags are also provided at many city parks.

Lead and copper can come from a variety of residential, commercial, and industrial sources. Therefore, the city has decided to use these chemical constituents as one criterion to prioritize industrial facility inspections. Thirty-six facilities were identified through EPA Tier II reports as using or storing large quantities of copper and/or lead on site. In addition, approximately 1,600 facilities were identified through an SIC code search as potentially using these chemicals. These facilities, along with permit-required facilities, make up the 'high priority' industrial facility inventory. Inspections of these facilities are ongoing, and will continue throughout the permit term.

The City will continue to evaluate reduction strategies for these pollutants. However, metals such as lead and copper can come from automotive sources such as dust from brake pads, rubber tires, lead tire weights, and engine exhaust. Since these sources are ubiquitous, they may be best controlled at the state or national level.

PART 11: ESTIMATE OF ANNUAL POLLUTANT LOADINGS

Provide an estimate of the pollutant loadings each year from the municipal storm sewer system to waters of the U.S. for each constituent listed in Section 7.4 of the permit detected by stormwater monitoring within the permit term. Pollutant loadings and event mean concentrations may be estimated from sampling data collected at the representative monitoring locations, taking into consideration land uses and drainage areas for the outfall. Include a description of the procedures for estimating pollutant loads and concentrations, including any modeling, data analysis, and calculation methods. Compare the pollutant loadings estimated each year to previous estimates of pollutant loadings.

Seasonal and annual pollutant load estimates were developed for all of the City's twelve stormwater basins for the period of July 1, 2014 through June 30, 2015 (Table 11 -1). Winter, summer, and total annual loads were computed for all water quality parameters where sufficient validated data was available. As in past years, results from the City's monitoring data were used to correlate pollutant concentrations with land uses for twelve stormwater basins in Phoenix. Where data were insufficient to perform this evaluation, information from past annual reports was used. The "Simple Method" as described in USEPA's guidance documents was used in performing this analysis¹.

Table 11-1
Seasonal and Total Permit Year Load, City of Phoenix MS4 Permit Pollutants of Concern

Constituent	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅	2,652,362	1,081,328	3,733,690
COD	12,948,336	5,428,826	18,377,162
TDS	14,566,105	6,068,470	20,634,575
Nitrogen, NO ₂ + NO ₃ , Total	247,499	105,288	352,787
Nitrogen, Organic, Total Kjeldahl	353,120	141,421	494,542
Phosphorous, Total	47,572	19,733	67,305
Arsenic, Total	510	216	726
Antimony, Total	217	91.1	309
Barium, Total	12,537	5,185	17,722
Beryllium, Total	56.2	25.1	81.2
Cadmium, Total	351	141	492
Chromium, Total	1,987	856	2,844
Copper, Total	4,683	1,904	6,588
Lead, Total	2,756	1,152	3,908
Mercury, Total	65.9	29.0	94.9
Nickel, Total	2,249	957	3,206
Selenium, Total	388	172	560
Silver, Total	0.00	0.00	0.00
Thallium, Total	Insufficient Data, Not Calculated		
Zinc, Total	15,981	6,953	22,934

¹ Guidance Manual for the Preparation of Part 2 of the NPDES Permit Applications for Discharges from Municipal Separate Storm Sewer System, November 1992.

The following methodology was used in developing pollutant loads:

In the Part 1 MS4 NPDES Permit Application, the City was divided into 13 stormwater basins, based upon outfall locations that impacted specific water conveyance structures or tributaries of the Salt River. This division of the permit area was followed until the last AZPDES permit application in 2012. Through annexation, the City had acquired by this time substantial new undeveloped land, primarily in the north. In order to integrate this new land into the load calculation and to provide a consistent basis for analysis, a watershed-based approach was developed.

City GIS staff acquired County land-use spatial data and combined them with sub-watershed boundaries developed by the Maricopa County Flood Control District (MCFCD 2013). These sub-watershed boundaries are very similar to the Watershed Boundary Dataset 10-digit Hydrologic Unit Code (HUC), with exceptions made for local flood control and other man-made diversions (for example, White Tanks A Basin). Clipping these data to the City permit boundaries produced a watershed-based land-use map that was used to define 12 new areas, now sub-watersheds, used in the pollutant load estimate.

For the purposes of this model, four land-uses were defined from the data: Industrial, Commercial, Residential, and Open Space. The Part 1 application demonstrated that, on a city-wide scale, these four land-use type provide the strongest distinction in stormwater composition.

The Part 1 application also developed pollutant-specific, rainfall-event-normalized, storm-water loading factors for each of the four land-use categories. These factors, called *event-mean concentrations* or EMCs, represent the concentration of each pollutant of concern in the runoff from the four land-use types. The concentration is normalized to the amount of rainfall in the sampling event to accommodate the dynamic nature of runoff chemistry.

Rainfall runoff was generated from data collected by the fifty-seven Maricopa County Flood Control District (MCFCD) ALERT meteorological stations. Stations were located on GIS projections and rainfall records assigned to each of the twelve catchments. Monthly rainfall amounts were used for the summer (July 2014 to December 2014) and winter (January 2015 to June 2015) total amounts for the permit year.

Rainfall was translated to runoff as part of the load calculation, using (Schuler 1987),

$$R = P_j (P)(R_v)(A)$$

where, P = rainfall depth (inches)

P_j = fraction of events that produce runoff (0.9)

R_v = runoff coefficient

A = catchment area (acres)

Catchment areas were measured from GIS projections. Runoff coefficients that were utilized for each land use are as follows (developed specially for Phoenix under the 2001 Permit Renewal Application effort):

Industrial: 0.053

Commercial: 0.745

Residential: 0.236

Open Space: 0.04

The current AZPDES permit indicates that, if possible, annual monitoring data be used to generate concentration factors in the load model. As in past years, EMCs were taken from the COP Part 1 NPDES MS4 characterization data. These values were compared to USGS monitoring results (Table 4.2) from representative storms.

As in the previous year, several elemental pollutants of concern were not found in Phoenix stormwater at levels above method detection limits. This result, along with the lack of historic stormwater data for thallium means that an EMC could not be calculated at this time for this pollutant of concern and no load was estimated. The silver load has always been estimated at zero, based on eighteen years of data.

EMCs were determined for each land-use type and pollutant of concern, as possible (Table 4.2). For each of the twelve stormwater basins, EMCs were weighted by the percentage of land-use type, or

$$\begin{aligned} EMC_{k,j} = & (EMC_{j, \text{industrial}} * \% \text{ area}_{k, \text{industrial}}) + \\ & (EMC_{j, \text{commercial}} * \% \text{ area}_{k, \text{commercial}}) + \\ & (EMC_{j, \text{residential}} * \% \text{ area}_{k, \text{residential}}) + \\ & (EMC_{j, \text{open space}} * \% \text{ area}_{k, \text{open space}}) \end{aligned}$$

where, $EMC_{k,j}$ = event mean concentration for the kth catchment and the jth pollutant

Thus each catchment has a unique EMC for each pollutant, dependent upon land use.

For each of the twelve stormwater basins, total runoff was calculated for the summer and winter seasons. These volumes were multiplied by the EMCs and the seasonal load was calculated (Tables 4.3-4.15). Seasonal loads were added to give the annual load per pollutant per catchment. Summation over the twelve stormwater basins produced the estimated annual load to the Salt River for each pollutant over the permit year.

Table 11-2
Land-Use Based Event Mean Concentrations for City of Phoenix
MS4 Permit Pollutants of Concern

Pollutants	2014-15 data (ave all sites) ¹	EMC _O	EMC _R	EMC _I	EMC _C
BOD ₅ (mg/L)	42.3	31.0	12.0	55.3	0.00
COD High Level (mg/L)	295	130	42.3	68.8	148
Residue, Total at 105 Deg.C (TDS)	182	120	111	123	84.0
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	1.06	3.12	1.24	1.14	0.70
Nitrogen Organic, Total Kjeldahl (mg/L as N)	4.76	0.11	5.19	7.24	1.67
Phosphorous, Total, (mg/L as P)	0.72	0.41	0.26	0.78	0.30
Arsenic, Total, (µg/L as As)	4.65	2.40	5.24	7.77	2.95
Antimony Total (µg/L as Sb)	2.08	0.64	1.96	4.81	2.12
Barium Total (µg/L as Ba)	168	20.0	170	311	35.6
Beryllium, Total Recoverable, (µg/L as Be)	0.45	1.10	0.00	0.00	0.00
Cadmium, Total Recoverable, (µg/L as Cd)	0.88	0.00	3.38	3.68	6.63
Chromium, Total Recoverable, (µg/L as Cr)	13.3	24.3	12.3	3.68	5.71
Copper, Total Recoverable, (µg/L as Cu)	73.2	29.0	23.3	204	15.0
Lead, Total Recoverable, (µg/L as Pb)	31.8	19.9	25.2	29.7	12.5
Mercury, Total Recoverable, (µg/L as Hg)	0.22	1.08	0.20	0.084	0.036
Nickel, Total Recoverable, (µg/L as Ni)	16.6	23.4	13.4	15.4	12.1
Selenium Total Recoverable, (µg/L as Se)	0.56	7.13	0.086	1.20	0.39
Silver, Total Recoverable, (µg/L as Ag)	0.29	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	0.22	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	323	96.0	109	346	135
NOTES:					
1. Censored non detects included in mean as per USACOE 2008, Manual 1110-1-4014, ENVIRONMENTAL STATISTICS					
2. Event mean concentrations from 2001 MS4 application, as modified by monitoring data to date. See text. O = open space land use, R = residential land use, I = industrial land use, C = commercial land use					

Table 11-3: Lower Arizona Canal Diversion Channel Watershed Pollutant Loadings

<div> <div>Total area, acres: <u>94,321</u></div> <div>Residential: <u>41.14%</u></div> <div>Industrial : <u>13.58%</u></div> <div>Undeveloped: <u>19.67%</u></div> <div>Commercial: <u>25.60%</u></div> </div> <div> <div>Total Summer (July-Dec)</div> <div>Total Winter (Jan-Jun)</div> </div> <div> <div>Runoff, cubic feet: <u>726,273,406</u></div> <div>Runoff, cubic feet: <u>267,816,964</u></div> </div>				
Constituent	Land Use Weighted EMC	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	18.6	841,075	310,151	1,151,226
COD High Level (mg/L)	90.2	4,089,555	1,508,044	5,597,600
Residue, Total at 105 Deg.C (TDS)	107	4,871,078	1,796,235	6,667,313
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	1.46	66,108	24,378	90,485
Nitrogen Organic, Total Kjeldahl (mg/L as N)	3.57	161,822	59,673	221,495
Phosphorous, Total, (mg/L as P)	0.37	16,793	6,192	22,985
Arsenic, Total, (µg/L as As)	4.44	201	74.2	275.4
Antimony Total (µg/l as Sb)	2.13	96.5	35.6	132.1
Barium Total (µg/l as Ba)	125	5,684	2,096	7,780
Beryllium, Total Recoverable, (µg/L as Be)	0.22	9.81	3.62	13.4
Cadmium, Total Recoverable, (µg/L as Cd)	3.59	163	60.0	223
Chromium, Total Recoverable, (µg/L as Cr)	11.8	535	197	732
Copper, Total Recoverable, (µg/L as Cu)	46.8	2,121	782	2,903
Lead, Total Recoverable, (µg/L as Pb)	21.5	975	360	1,335
Mercury, Total Recoverable, (µg/L as Hg)	0.31	14.2	5.25	19.5
Nickel, Total Recoverable, (µg/L as Ni)	15.3	694	256	950
Selenium Total Recoverable, (µg/L as Se)	1.70	77.2	28.5	106
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	145	6,580	2,426	9,007

Table 11-4: Upper Arizona Canal Diversion Channel Watershed Pollutant Loadings

<div> <div>Total area, acres: 63,903</div> <div>Residential: 46.30%</div> <div>Industrial : 3.90%</div> <div>Undeveloped: 31.91%</div> <div>Commercial: 17.88%</div> </div> <div> <div>Total Summer (July-Dec)</div> <div>Total Winter (Jan-Jun)</div> </div> <div> <div>Runoff, cubic feet: 451,962,934</div> <div>Runoff, cubic feet: 201,548,964</div> </div>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	17.6	496,794	221,541	718,335
COD High Level (mg/L)	90.2	2,545,064	1,134,949	3,680,014
Residue, Total at 105 Deg.C (TDS)	109	3,089,449	1,377,713	4,467,162
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	1.74	49,079	21,886	70,966
Nitrogen Organic, Total Kjeldahl (mg/L as N)	3.02	85,249	38,016	123,266
Phosphorous, Total, (mg/L as P)	0.34	9,461	4,219	13,680
Arsenic, Total, (µg/L as As)	4.02	113	50.6	164
Antimony Total (µg/l as Sb)	1.68	47.4	21.1	68.5
Barium Total (µg/l as Ba)	104	2,927	1,305	4,232
Beryllium, Total Recoverable, (µg/L as Be)	0.35	9.90	4.42	14.3
Cadmium, Total Recoverable, (µg/L as Cd)	2.89	81.6	36.4	118
Chromium, Total Recoverable, (µg/L as Cr)	14.6	412	184	596
Copper, Total Recoverable, (µg/L as Cu)	30.6	865	386	1,250
Lead, Total Recoverable, (µg/L as Pb)	21.4	604	269	874
Mercury, Total Recoverable, (µg/L as Hg)	0.45	12.6	5.60	18.2
Nickel, Total Recoverable, (µg/L as Ni)	16.4	464	207	671
Selenium Total Recoverable, (µg/L as Se)	2.43	68.7	30.6	99.3
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	119	3,347	1,492	4,839

Table 11-5: South Mountain Watershed Basin Pollutant Loadings

Total area, acres: <u>61,998</u> Residential: <u>27.30%</u> Industrial : <u>4.37%</u> Undeveloped: <u>52.98%</u> Commercial: <u>15.35%</u> Total Summer (July-Dec) Total Winter (Jan-Jun) Runoff, cubic feet: <u>372,923,687</u> Runoff, cubic feet: <u>102,218,577</u>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	22.1	514,966	141,152	656,119
COD High Level (mg/L)	106	2,470,888	677,272	3,148,159
Residue, Total at 105 Deg.C (TDS)	112	2,610,539	715,550	3,326,089
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	2.15	50,026	13,712	63,739
Nitrogen Organic, Total Kjeldahl (mg/L as N)	2.05	47,729	13,083	60,812
Phosphorous, Total, (mg/L as P)	0.37	8,576	2,351	10,926
Arsenic, Total, (µg/L as As)	3.49	81.3	22.3	104
Antimony Total (µg/l as Sb)	1.41	32.9	9.01	41.9
Barium Total (µg/l as Ba)	76.2	1,773	486	2,259
Beryllium, Total Recoverable, (µg/L as Be)	0.58	13.6	3.72	17.3
Cadmium, Total Recoverable, (µg/L as Cd)	2.10	48.9	13.4	62.3
Chromium, Total Recoverable, (µg/L as Cr)	17.3	402	110	512
Copper, Total Recoverable, (µg/L as Cu)	32.9	766	210	977
Lead, Total Recoverable, (µg/L as Pb)	20.6	480	132	612
Mercury, Total Recoverable, (µg/L as Hg)	0.63	14.8	4.05	18.8
Nickel, Total Recoverable, (µg/L as Ni)	18.6	433	119	551
Selenium Total Recoverable, (µg/L as Se)	3.92	91.2	25.0	116
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	116	2,709	743	3,452

Table 11-6: Upper Indian Bend Wash Watershed Pollutant Loadings

Total area, acres: <u>17,187</u> Residential: <u>12.38%</u> Industrial : <u>2.10%</u> Undeveloped: <u>70.78%</u> Commercial: <u>14.73%</u> Total Summer (July-Dec) Total Winter (Jan-Jun) Runoff, cubic feet: <u>88,809,273</u> Runoff, cubic feet: <u>46,067,348</u>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	24.6	136,334	70,720	207,054
COD High Level (mg/L)	121	668,078	346,547	1,014,625
Residue, Total at 105 Deg.C (TDS)	114	630,021	326,806	956,828
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	2.49	13,800	7,158	20,958
Nitrogen Organic, Total Kjeldahl (mg/L as N)	1.12	6,215	3,224	9,439
Phosphorous, Total, (mg/L as P)	0.38	2,123	1,101	3,225
Arsenic, Total, (µg/L as As)	2.94	16.3	16.3	32.7
Antimony Total (µg/l as Sb)	1.11	6.16	6.16	12.3
Barium Total (µg/l as Ba)	47.0	261	261	522
Beryllium, Total Recoverable, (µg/L as Be)	0.78	4.32	2.24	6.56
Cadmium, Total Recoverable, (µg/L as Cd)	1.47	8.16	4.23	12.4
Chromium, Total Recoverable, (µg/L as Cr)	19.6	109	56.5	165
Copper, Total Recoverable, (µg/L as Cu)	29.9	166	86.0	252
Lead, Total Recoverable, (µg/L as Pb)	19.7	109	56.6	166
Mercury, Total Recoverable, (µg/L as Hg)	0.80	4.41	2.29	6.69
Nickel, Total Recoverable, (µg/L as Ni)	20.3	113	58.5	171
Selenium Total Recoverable, (µg/L as Se)	5.14	28.5	14.8	43.3
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	109	602	312	914

Table 11-7: Middle Indian Bend Wash Watershed Pollutant Loadings

<div> <div>Total area, acres: 19,142</div> <div>Residential: 64.54%</div> <div>Industrial : 0.35%</div> <div>Undeveloped: 70.78%</div> <div>Commercial: 12.69%</div> </div>				
<div> <div>Total Summer (July-Dec)</div> <div>Total Winter (Jan-Jun)</div> </div>				
<div> <div>Runoff, cubic feet: 127,683,111</div> <div>Runoff, cubic feet: 61,430,816</div> </div>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	29.9	238,178	114,592	352,769
COD High Level (mg/L)	138	1,102,465	530,417	1,632,882
Residue, Total at 105 Deg.C (TDS)	168	1,336,458	642,996	1,979,453
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	3.10	24,722	11,894	36,617
Nitrogen Organic, Total Kjeldahl (mg/L as N)	3.67	29,241	14,068	43,310
Phosphorous, Total, (mg/L as P)	0.50	3,976	1,913	5,889
Arsenic, Total, (µg/L as As)	5.48	44	21	65
Antimony Total (µg/l as Sb)	2.01	16.0	7.69	23.7
Barium Total (µg/l as Ba)	130	1,033	497	1,531
Beryllium, Total Recoverable, (µg/L as Be)	0.78	6.21	2.99	9.19
Cadmium, Total Recoverable, (µg/L as Cd)	3.03	24.2	11.6	35.8
Chromium, Total Recoverable, (µg/L as Cr)	25.9	206	99.2	305
Copper, Total Recoverable, (µg/L as Cu)	38.1	304	146	450
Lead, Total Recoverable, (µg/L as Pb)	32.0	255	123	378
Mercury, Total Recoverable, (µg/L as Hg)	0.90	7.14	3.43	10.6
Nickel, Total Recoverable, (µg/L as Ni)	26.8	214	103	316
Selenium Total Recoverable, (µg/L as Se)	5.16	41.1	19.8	60.9
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	156	1247	600	1847

Table 11-8: Cave Creek Watershed Pollutant Loadings

Total area, acres: <u>18,009</u> Residential: <u>16.83%</u> Industrial : <u>0.28%</u> Undeveloped: <u>77.63%</u> Commercial: <u>5.26%</u> Total Summer (July-Dec) Total Winter (Jan-Jun) Runoff, cubic feet: <u>49,035,400</u> Runoff, cubic feet: <u>29,450,399</u>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	26.2	80,321	48,241	128,562
COD High Level (mg/L)	116	355,133	355,133	710,266
Residue, Total at 105 Deg.C (TDS)	117	356,926	356,926	713,852
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	2.67	8,176	8,176	16,351
Nitrogen Organic, Total Kjeldahl (mg/L as N)	1.07	3,274	3,274	6,549
Phosphorous, Total, (mg/L as P)	0.38	1,163	1,163	2,326
Arsenic, Total, (µg/L as As)	2.92	9	8.94	18
Antimony Total (µg/l as Sb)	0.95	1.75	2.92	4.7
Barium Total (µg/l as Ba)	46.9	86.3	144	230
Beryllium, Total Recoverable, (µg/L as Be)	0.85	1.57	2.61	4.18
Cadmium, Total Recoverable, (µg/L as Cd)	0.93	1.70	2.84	4.54
Chromium, Total Recoverable, (µg/L as Cr)	21.2	39.1	65.0	104
Copper, Total Recoverable, (µg/L as Cu)	27.8	51.1	85.0	136
Lead, Total Recoverable, (µg/L as Pb)	20.4	37.6	62.5	100
Mercury, Total Recoverable, (µg/L as Hg)	0.87	1.60	2.67	4.28
Nickel, Total Recoverable, (µg/L as Ni)	21.1	38.8	64.6	103
Selenium Total Recoverable, (µg/L as Se)	5.58	10.3	17.1	27.3
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	101	185	309	494

Table 11-9: Skunk Creek Watershed Pollutant Loadings

<div> <div>Total area, acres: 26,174</div> <div>Residential: 19.12%</div> <div>Industrial : 1.15%</div> <div>Undeveloped: 59.46%</div> <div>Commercial: 20.26%</div> </div>				
<div> <div>Total Summer (July-Dec)</div> <div>Total Winter (Jan-Jun)</div> </div>				
<div> <div>Runoff, cubic feet: 151,022,643</div> <div>Runoff, cubic feet: 80,036,344</div> </div>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	21.4	201,427	106,749	308,176
COD High Level (mg/L)	116	1,095,189	580,409	1,675,598
Residue, Total at 105 Deg.C (TDS)	111	1,046,646	554,683	1,601,328
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	2.25	21,188	11,229	32,417
Nitrogen Organic, Total Kjeldahl (mg/L as N)	1.48	13,970	7,404	21,374
Phosphorous, Total, (mg/L as P)	0.36	3,425	1,815	5,240
Arsenic, Total, (µg/L as As)	3.12	29.4	15.6	44.9
Antimony Total (µg/l as Sb)	1.24	11.7	6.21	17.9
Barium Total (µg/l as Ba)	55.3	521	276	797
Beryllium, Total Recoverable, (µg/L as Be)	0.65	6.17	3.27	9.44
Cadmium, Total Recoverable, (µg/L as Cd)	2.03	19.2	10.1	29.3
Chromium, Total Recoverable, (µg/L as Cr)	18.0	170	89.9	260
Copper, Total Recoverable, (µg/L as Cu)	27.1	255	135	391
Lead, Total Recoverable, (µg/L as Pb)	19.5	184	97.6	282
Mercury, Total Recoverable, (µg/L as Hg)	0.69	6.48	3.43	9.92
Nickel, Total Recoverable, (µg/L as Ni)	19.1	180	95.5	276
Selenium Total Recoverable, (µg/L as Se)	4.35	41.0	21.7	62.8
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	109	1,030	546	1,575

Table 11-10: Upper New River Watershed Pollutant Loadings

<div> <div>Total area, acres: <u>30,056</u></div> <div>Residential: <u>14.35%</u></div> <div>Industrial : <u>0.64%</u></div> <div>Undeveloped: <u>80.59%</u></div> <div>Commercial: <u>4.42%</u></div> </div>				
<div> <div>Total Summer (July-Dec)</div> <div>Total Winter (Jan-Jun)</div> </div>				
<div> <div>Runoff, cubic feet: <u>79,091,200</u></div> <div>Runoff, cubic feet: <u>37,594,337</u></div> </div>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	27.1	133,608	63,508	197,116
COD High Level (mg/L)	118	581,687	276,493	858,180
Residue, Total at 105 Deg.C (TDS)	117	578,353	274,908	853,261
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	2.73	13,482	6,409	19,891
Nitrogen Organic, Total Kjeldahl (mg/L as N)	0.96	4,723	2,245	6,968
Phosphorous, Total, (mg/L as P)	0.39	1,906	906	2,812
Arsenic, Total, (µg/L as As)	2.87	14.1	6.73	20.9
Antimony Total (µg/l as Sb)	0.92	4.56	2.17	6.73
Barium Total (µg/l as Ba)	44.1	218	104	322
Beryllium, Total Recoverable, (µg/L as Be)	0.89	4.38	2.08	6.46
Cadmium, Total Recoverable, (µg/L as Cd)	0.80	3.95	1.88	5.83
Chromium, Total Recoverable, (µg/L as Cr)	21.6	107	50.7	158
Copper, Total Recoverable, (µg/L as Cu)	28.7	142	67.3	209
Lead, Total Recoverable, (µg/L as Pb)	20.4	101	47.9	149
Mercury, Total Recoverable, (µg/L as Hg)	0.90	4.44	2.11	6.55
Nickel, Total Recoverable, (µg/L as Ni)	21.4	106	50.3	156
Selenium Total Recoverable, (µg/L as Se)	5.79	28.6	13.6	42.2
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	101	237	499	737

Table 11-11: Lower New River Watershed Pollutant Loadings

<div> <div> Total area, acres: <u>1,395</u> Total Summer (July-Dec) Runoff, cubic feet: <u>5,829,221</u> </div> <div> Residential: <u>37.20%</u> Total Winter (Jan-Jun) Runoff, cubic feet: <u>2,848,702</u> </div> <div> Industrial : <u>2.48%</u> Undeveloped: <u>53.59%</u> Commercial: <u>6.74%</u> </div> </div>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	22.4	8,168	3,992	12,160
COD High Level (mg/L)	97.1	35,319	17,260	52,579
Residue, Total at 105 Deg.C (TDS)	114	41,591	20,325	61,917
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	2.21	804	393	1,196
Nitrogen Organic, Total Kjeldahl (mg/L as N)	2.28	831	406	1,237
Phosphorous, Total, (mg/L as P)	0.36	130	63.3	193
Arsenic, Total, (µg/L as As)	3.63	1.32	0.64	1.96
Antimony Total (µg/l as Sb)	1.34	0.49	0.24	0.72
Barium Total (µg/l as Ba)	84.2	30.6	15.0	45.6
Beryllium, Total Recoverable, (µg/L as Be)	0.59	0.21	0.10	0.32
Cadmium, Total Recoverable, (µg/L as Cd)	1.79	0.65	0.32	0.97
Chromium, Total Recoverable, (µg/L as Cr)	18.1	6.58	3.21	9.79
Copper, Total Recoverable, (µg/L as Cu)	30.2	11.0	5.38	16.4
Lead, Total Recoverable, (µg/L as Pb)	21.6	7.87	3.84	11.7
Mercury, Total Recoverable, (µg/L as Hg)	0.66	0.24	0.12	0.36
Nickel, Total Recoverable, (µg/L as Ni)	18.7	6.81	3.33	10.1
Selenium Total Recoverable, (µg/L as Se)	3.91	1.42	0.70	2.12
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	110	39.9	19.5	59.4

Table 11-12: Upper Agua Fria River Watershed Pollutant Loadings

<div> <div>Total area, acres: 492</div> <div>Residential: 0.00%</div> <div>Industrial : 0.00%</div> <div>Undeveloped: 100.00%</div> <div>Commercial: 0.00%</div> </div>				
<div> <div>Total Summer (July-Dec)</div> <div>Total Winter (Jan-Jun)</div> </div>				
<div> <div>Runoff, cubic feet: 525,555</div> <div>Runoff, cubic feet: 246,394</div> </div>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	31.0	1,017	477	1,494
COD High Level (mg/L)	130	4,265	2,000	6,265
Residue, Total at 105 Deg.C (TDS)	120	3,937	1,846	5,783
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	3.12	102	48.0	150
Nitrogen Organic, Total Kjeldahl (mg/L as N)	0.11	3.71	1.74	5.45
Phosphorous, Total, (mg/L as P)	0.41	13.5	6.31	19.8
Arsenic, Total, (µg/L as As)	2.40	0.079	0.037	0.12
Antimony Total (µg/l as Sb)	0.64	0.021	0.010	0.031
Barium Total (µg/l as Ba)	20.0	0.66	0.31	0.97
Beryllium, Total Recoverable, (µg/L as Be)	1.10	0.036	0.017	0.053
Cadmium, Total Recoverable, (µg/L as Cd)	0.00	0.00	0.00	0.00
Chromium, Total Recoverable, (µg/L as Cr)	24.3	0.80	0.37	1.17
Copper, Total Recoverable, (µg/L as Cu)	29.0	0.95	0.45	1.40
Lead, Total Recoverable, (µg/L as Pb)	19.9	0.65	0.31	0.96
Mercury, Total Recoverable, (µg/L as Hg)	1.08	0.035	0.017	0.052
Nickel, Total Recoverable, (µg/L as Ni)	23.4	0.77	0.36	1.13
Selenium Total Recoverable, (µg/L as Se)	7.13	0.23	0.11	0.34
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	96.0	1.48	3.15	4.63

Table 11-13: Lower Agua Fria River Watershed Pollutant Loadings

<div> <div>Total area, acres: 24</div> <div>Residential: 0.00%</div> <div>Industrial : 89.39%</div> <div>Undeveloped: 10.61%</div> <div>Commercial: 0.00%</div> </div>				
<div> <div>Total Summer (July-Dec)</div> <div>Total Winter (Jan-Jun)</div> <div>Runoff, cubic feet: 37,507</div> <div>Runoff, cubic feet: 16,332</div> </div>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	52.7	124	53.8	177
COD High Level (mg/L)	75.3	176	76.8	253
Residue, Total at 105 Deg.C (TDS)	122	286	125	411
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	1.35	3.16	1.38	4.54
Nitrogen Organic, Total Kjeldahl (mg/L as N)	6.48	15.2	6.61	21.8
Phosphorous, Total, (mg/L as P)	0.74	1.73	0.76	2.49
Arsenic, Total, (µg/L as As)	7.20	0.017	0.0073	0.024
Antimony Total (µg/l as Sb)	4.37	0.010	0.0045	0.015
Barium Total (µg/l as Ba)	280	0.66	0.29	0.94
Beryllium, Total Recoverable, (µg/L as Be)	0.12	2.7E-04	1.2E-04	3.9E-04
Cadmium, Total Recoverable, (µg/L as Cd)	3.29	0.0077	0.0034	0.011
Chromium, Total Recoverable, (µg/L as Cr)	5.87	0.014	0.0060	0.020
Copper, Total Recoverable, (µg/L as Cu)	185	0.43	0.19	0.62
Lead, Total Recoverable, (µg/L as Pb)	28.6	0.067	0.029	0.096
Mercury, Total Recoverable, (µg/L as Hg)	0.19	4.4E-04	1.9E-04	6.4E-04
Nickel, Total Recoverable, (µg/L as Ni)	16.3	0.038	0.017	0.055
Selenium Total Recoverable, (µg/L as Se)	1.83	0.0043	0.0019	0.0062
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	319	0.33	0.75	1.07

Table 11-14: White Tanks A Watershed Pollutant Loadings

<div> <div>Total area, acres: 39</div> <div>Residential: 0.00%</div> <div>Industrial : 90.30%</div> <div>Undeveloped: 4.26%</div> <div>Commercial: 5.44%</div> </div>				
<div> <div>Total Summer (July-Dec)</div> <div>Total Winter (Jan-Jun)</div> <div>Runoff, cubic feet: 109,147</div> <div>Runoff, cubic feet: 47,528</div> </div>				
Constituent	Land Use Weighted concentration	Summer Pollutant Load (pounds)	Winter Pollutant Load (pounds)	Total Annual Pollutant Load (pounds)
BOD ₅ (mg/L)	51.3	349	152	502
COD High Level (mg/L)	75.7	516	225	741
Residue, Total at 105 Deg.C (TDS)	120	820	357	1,178
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	1.20	8.18	3.56	11.7
Nitrogen Organic, Total Kjeldahl (mg/L as N)	6.63	45.2	19.7	64.9
Phosphorous, Total, (mg/L as P)	0.74	5.03	2.19	7.22
Arsenic, Total, (µg/L as As)	7.28	0.050	0.022	0.071
Antimony Total (µg/l as Sb)	4.49	0.031	0.013	0.044
Barium Total (µg/l as Ba)	284	1.93	0.84	2.78
Beryllium, Total Recoverable, (µg/L as Be)	0.05	3.2E-04	1.4E-04	4.6E-04
Cadmium, Total Recoverable, (µg/L as Cd)	3.69	0.025	0.011	0.036
Chromium, Total Recoverable, (µg/L as Cr)	4.67	0.032	0.014	0.046
Copper, Total Recoverable, (µg/L as Cu)	186	1.27	0.55	1.82
Lead, Total Recoverable, (µg/L as Pb)	28.3	0.19	0.084	0.28
Mercury, Total Recoverable, (µg/L as Hg)	0.12	8.5E-04	3.7E-04	1.2E-03
Nickel, Total Recoverable, (µg/L as Ni)	15.6	0.11	0.046	0.15
Selenium Total Recoverable, (µg/L as Se)	1.41	0.0096	0.0042	0.014
Silver, Total Recoverable, (µg/L as Ag)	0.00	0.00	0.00	0.00
Thallium Total Recoverable, (µg/L as Th)	Insufficient Data, Not Calculated			
Zinc, Total Recoverable, (µg/L as Zn)	323.5	0.96	2.20	3.16

ASSESSMENT OF POLLUTANT LOADS

The City uses a pollutant load model that estimates individual pollutant loads by basin and season. As discussed at the end of Part 5 of this report, land use data obtained from the FCDMC has been used exclusively for this reporting year because it is viewed as more accurate and consistent.

The load is a function of rainfall amounts in each basin, the areal percentage of four land-use classifications (undeveloped, residential, commercial and industrial) and a set of event mean concentrations (EMCs). For each of the City subwatersheds, the same land-use classifications, rainfall-runoff relationship, and EMCs have been used. The only variable has been the amount of rainfall. In this way, the load has decreased or increased as rainfall has changed from year to year and only reflects this variation.

Because rainfall and runoff in central Arizona follow a discontinuous and unpredictable pattern, especially during summer monsoon season when local convection patterns drive rainfall patterns, the volume of runoff observed at a specific outfall can vary by several orders of magnitude from year to year, and can vary just as much from one outfall location to another (i.e., rainfall associated with a specific storm event will vary widely across the COP system). Although some sampled outfalls may receive abundant runoff, precipitation may not occur at others. These factors skew data obtained via statistical analysis; thus efforts to identify overall patterns or trends in pollutant concentrations based on statistical analysis is not meaningful.

Table 11-16 contains a summary of the pollutant load data calculated for reporting years 2013 through the current reporting year. As discussed above, the data demonstrate that changes in pollutant load calculations vary strictly with rainfall volume.

Table 11-15
Pollutant Load Comparison 2013-2015

Constituent	Total Annual Pollutant Load 2012-13 (pounds)	Total Annual Pollutant Load 2013-14 (pounds)	Total Annual Pollutant Load 2014-15 (pounds)
BOD ₅ (mg/L)	2,143,423	2,127,604	3,733,690
COD High Level (mg/L)	10,440,225	10,426,176	18,377,162
Residue, Total at 105 Deg.C (TDS)	11,721,289	11,704,768	20,634,575
Nitrogen NO ₂ + NO ₃ , Total, (mg/L as N)	199,772	199,774	352,787
Nitrogen Organic, Total Kjeldahl (mg/L as N)	282,545	281,558	494,542
Phosphorous, Total, (mg/L as P)	38,343	38,294	67,305
Arsenic, Total, (mg/L as As)	409	404	726
Antimony Total (mg/l as Sb)	176	175	309
Barium Total (mg/l as Ba)	10,093	10,054	17,722
Beryllium, Total Recoverable, (mg/L as Be)	46	46	81.2
Cadmium, Total Recoverable, (mg/L as Cd)	282	280	492
Chromium, Total Recoverable, (mg/L as Cr)	1,624	1,610	2,844
Copper, Total Recoverable, (mg/L as Cu)	3,807	3,784	6,588
Lead, Total Recoverable, (mg/L as Pb)	2,236	2,220	3,908
Mercury, Total Recoverable, (mg/L as Hg)	54	54	94.9
Nickel, Total Recoverable, (mg/L as Ni)	1,834	1,819	3,206
Selenium Total Recoverable, (mg/L as Se)	320	317	560
Silver, Total Recoverable, (mg/L as Ag)	0	0	0.00
Thallium Total Recoverable, (mg/L as Th)	Insufficient Data, Not Calculated		
Zinc, Total Recoverable, (mg/L as Zn)	12,674	13,083	22,934
Total Annual Runoff (millions of cubic feet)	1,645.9	1,633.2	2,882.6

PART 12: ANNUAL EXPENDITURES

Provide a brief statement of the expenditures incurred each reporting period (July 1-June 30) to implement and maintain the stormwater management program, including associated monitoring and reporting activities. This figure should include funds related exclusively to implementation of the stormwater program. Provide the estimated budget for implementing and maintaining the stormwater program in the subsequent reporting period. Include a statement of the funding sources used to support program expenditures.

Personnel from the City departments responsible for implementation of the stormwater program provided actual and estimated expenditure data for the reporting year and current year. The expenditures are included in Table 12-1.

Table 12-1
Annual Expenditures Stormwater Program Implementation

	Fiscal Year 2009/2010	Fiscal Year 2010/2011	Fiscal Year 2011/2012	Fiscal Year 2012/2013	Fiscal Year 2013/2014	Fiscal Year 2014/2015	Fiscal Year 2015/2016 (Estimate)
Street Transportation Department	\$30,744	\$1,391,509	\$2,112,992	\$1,805,029	\$2,360,286	\$1,886,898	\$2,179,354
Water Services Department	\$560,000	\$1,438,427	\$1,656,423	\$1,658,127	\$1,947,736	\$1,867,870	\$1,928,314
Engineering & Architectural Services	\$438,139	\$0*	\$0*	\$0*	\$0*	\$0*	\$0*
Planning and Development Department	\$347,040	\$407,431	\$400,928	\$484,000	\$487,100	\$910,900	\$920,000
Office of Environmental Programs	\$68,100	\$150,349	\$102,400	\$131,846	\$119,841	\$119,024	\$140,290
Office of Environmental Programs – Capital Improvement Projects**			\$87,252 (actual)	\$237,447 (actual)	\$157,304 (actual/revised)	\$240,853 (actual)	\$250,000
TOTALS	\$11,444,023	\$3,387,716	\$4,359,995	\$4,316,449	\$5,072,267	\$5,025,545	\$5,417,958

*Several programmatic changes were made in 2009 and 2010. Stormwater related programs formerly in STD and EAS were consolidated into other departments.

**Up to \$250,000 in capital improvement project funding is made available each year, and used as necessary to ensure compliance and/or enhance the City's overall stormwater program.

The City collects a stormwater fee to defray the costs of operating the stormwater management program. Stormwater program charges from the WSD, STD, and OEP are paid out of these funds. The fee does not cover the costs for maintenance of the storm drain system, infrastructure improvements, or other ancillary programs (e.g., HHW, street sweeping, etc.). Stormwater program costs for PDD are funded by construction permit fees.

PART 13: ATTACHMENTS

Attach a copy of each of the following documents for the first year Annual Report, and each subsequent year if changes are made. If no changes are made to these during a reporting period, indicate, *'no changes were made this period, the 2009 submittal is current'*.

☒ Drainage System Maps

The City considers the storm drains to be protected critical infrastructure. As such, the City has not provided an electronic copy of the GIS maps as an attachment. GIS maps are available for review by ADEQ upon request. Hard copies of the drainage basin maps are provided.

☒ List of major outfalls

☒ List of changes to the major outfall inventory (new outfalls, outfalls out of service), including drainage area and coordinates for the outfalls listed in Table 1 of the permit (4th year report).

☒ Laboratory reports for stormwater monitoring performed in the reporting period.

☒ New or revised ordinances associated with stormwater management.

A copy of Ordinance G-6047, the Walkable Urban Code, is included in the attachments section.

☒ New or revised public outreach documents.

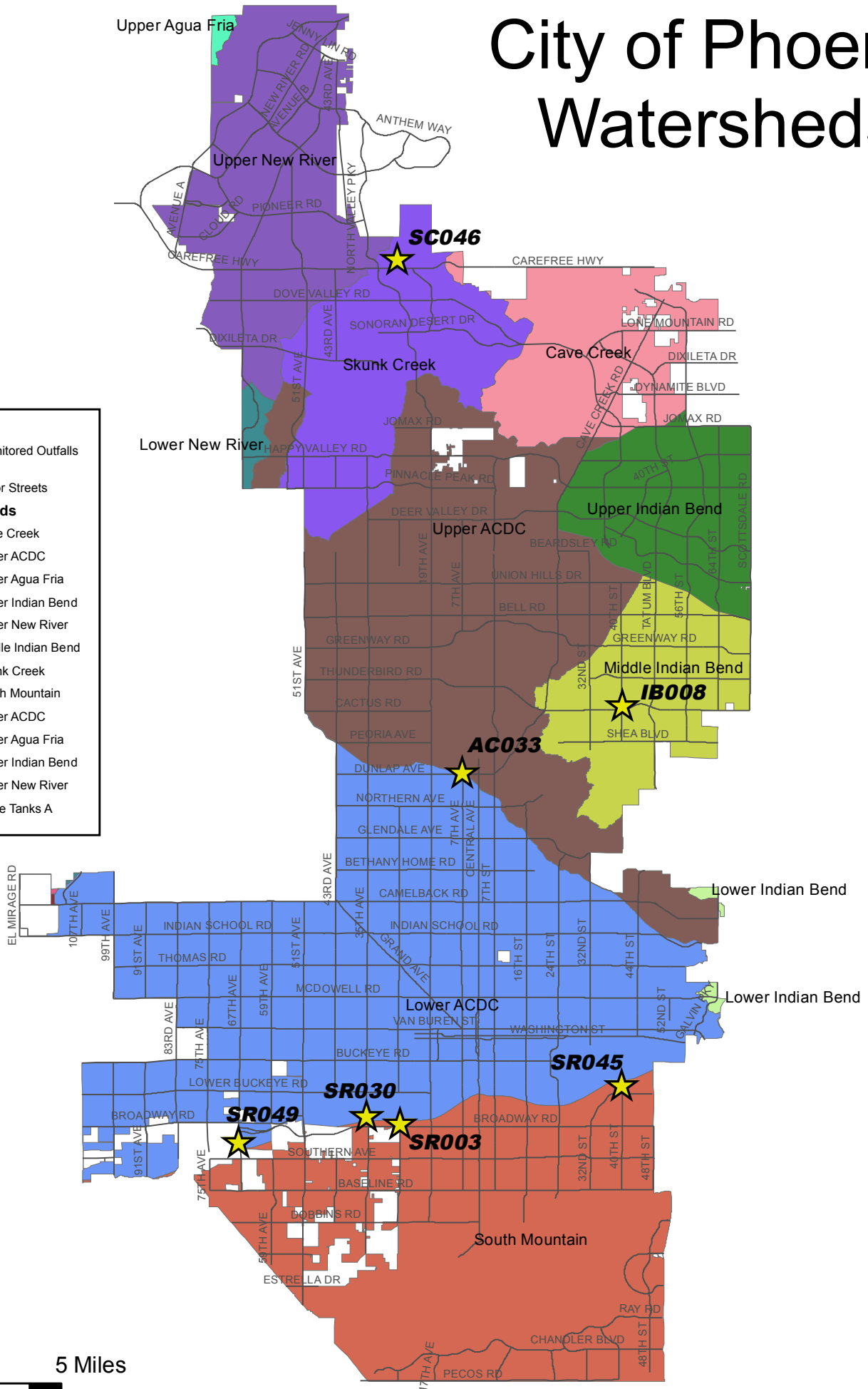
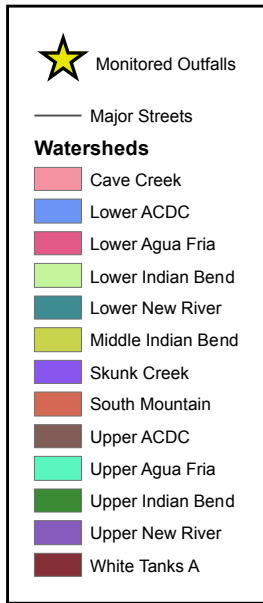
The following attachments to the Annual Report are in addition to those required as listed above:

None.

Attachments

Drainage System Maps

City of Phoenix Watersheds



Legend

- ▲ Outfall Locations for Drainage Areas
- Outfall Locations

Gauge Location by Type

- ⊙ Rain
- ⊙ Rain/Stage
- ⊙ Rain/Stream
- ⊙ Stage
- ⊙ Stream
- ⊙ Weather
- ⊙ Weather/Stage
- ⊙ Weather/Stream

City of Phoenix Boundary

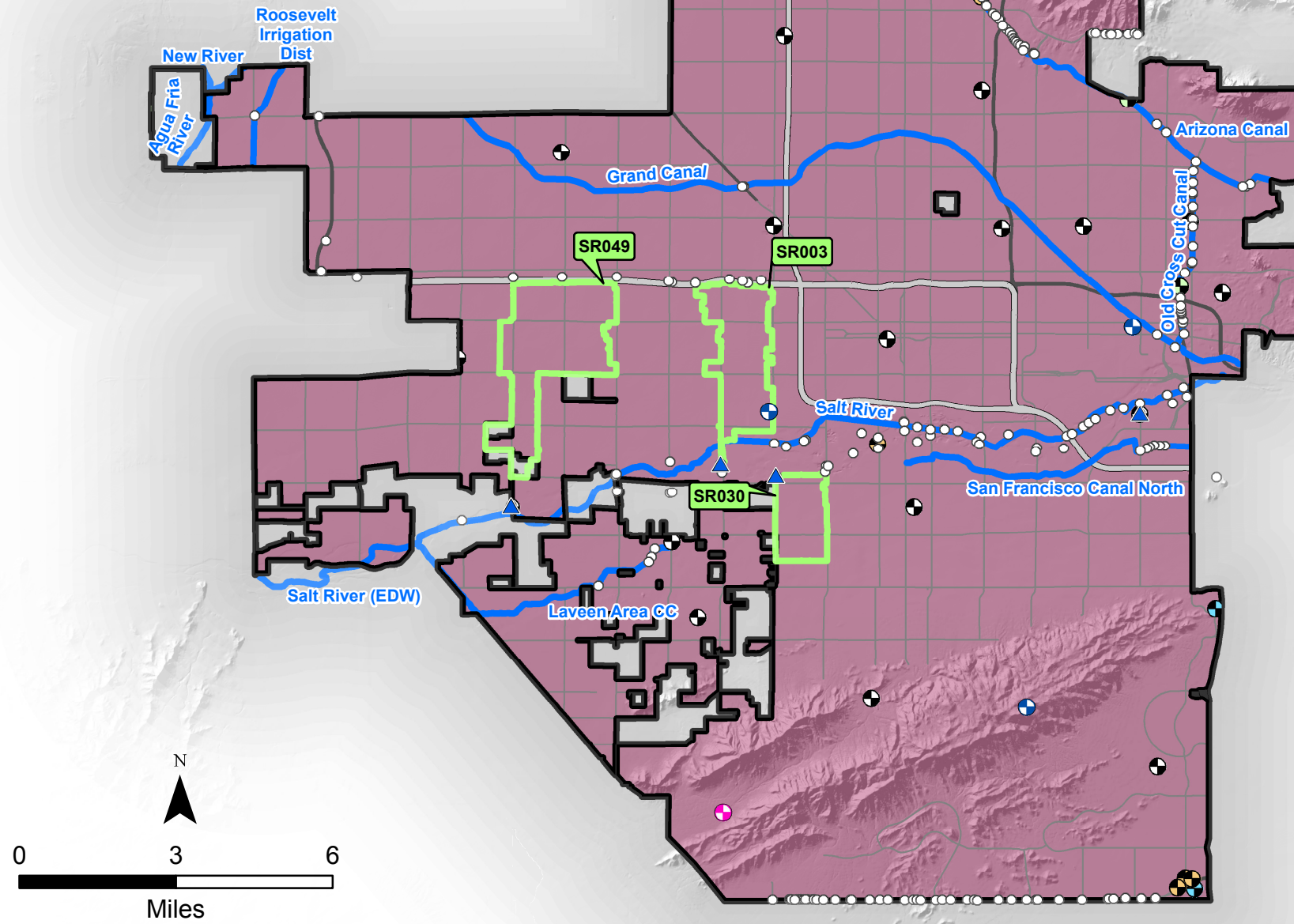
Drainage Area

Receiving Waters

Interstate Highway

U.S. \ State Highway

Arterial



Drainage Area IB008

● Outfalls

— Canals

— Freeways

····· Streams

— Streets

River

Land Use

Commercial

Industrial

Institutional

Miscellaneous

Multi Family Residential

Open Space

Pavement

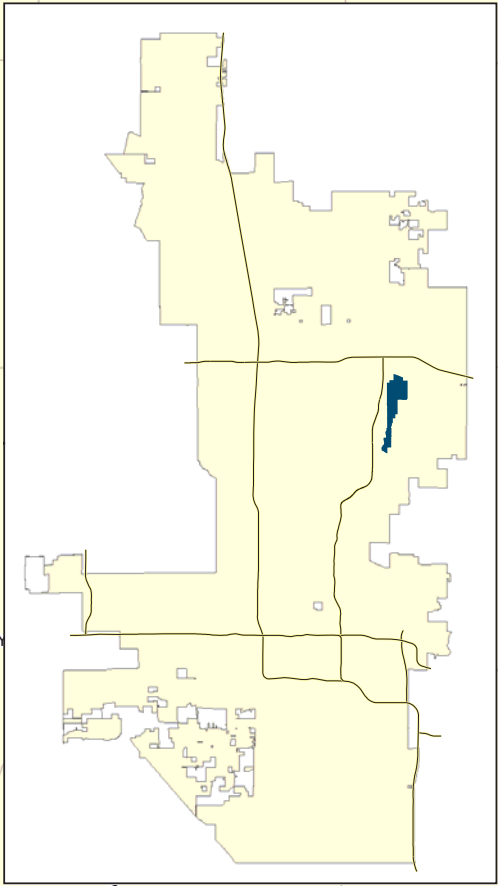
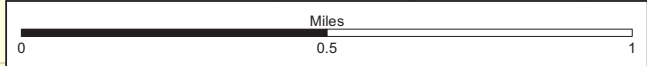
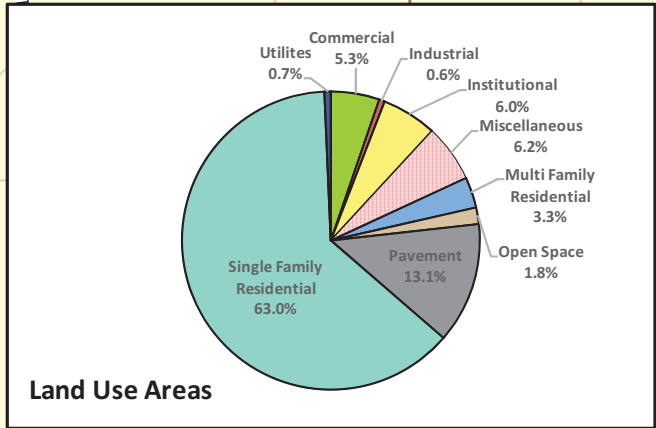
Single Family Residential

Transportation

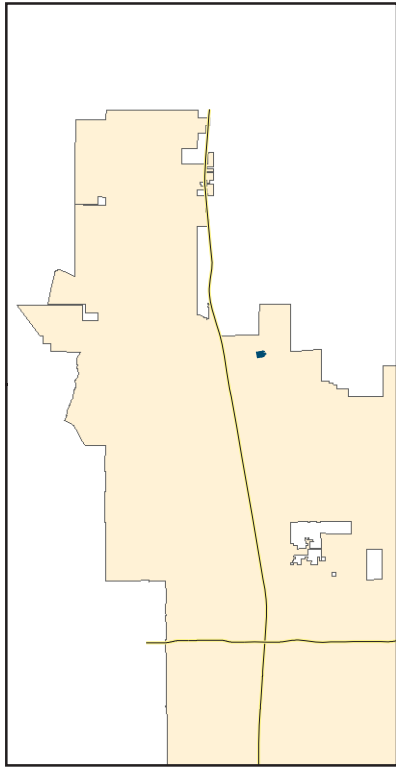
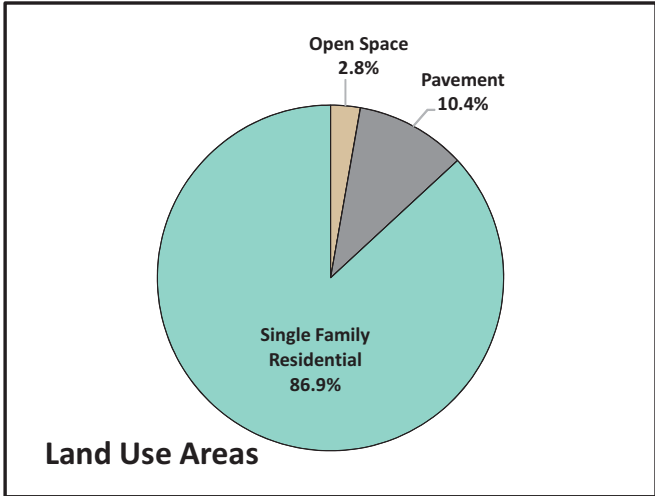
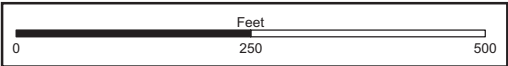
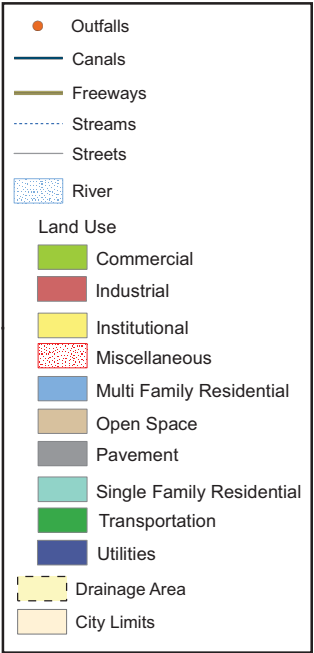
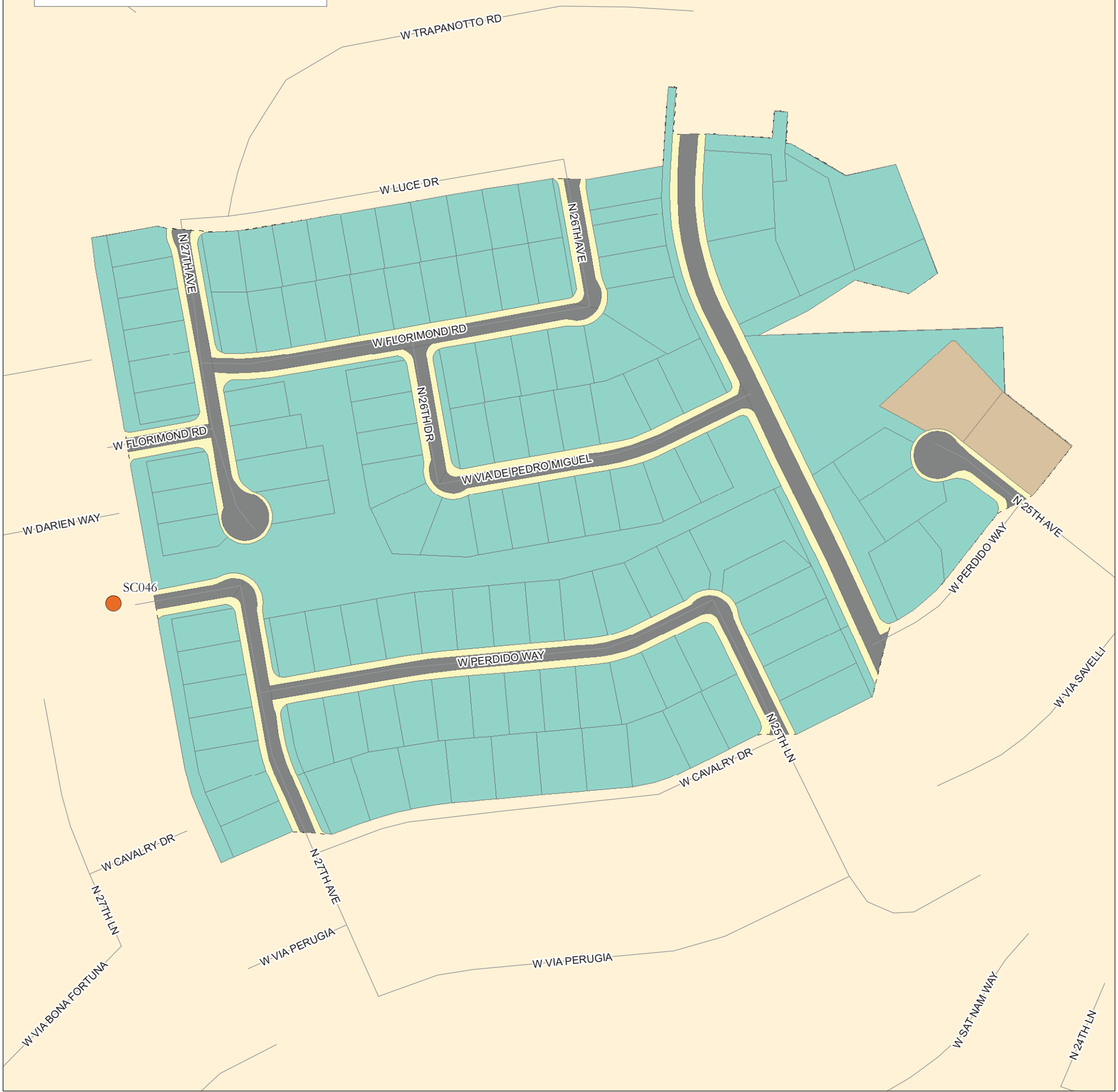
Utilities

Drainage Area

City Limits



Drainage Area SC046



Drainage Area AC033

Outfalls

Canals

Freeways

Streams

Streets

River

Land Use

Commercial

Industrial

Institutional

Miscellaneous

Multi Family Residential

Open Space

Pavement

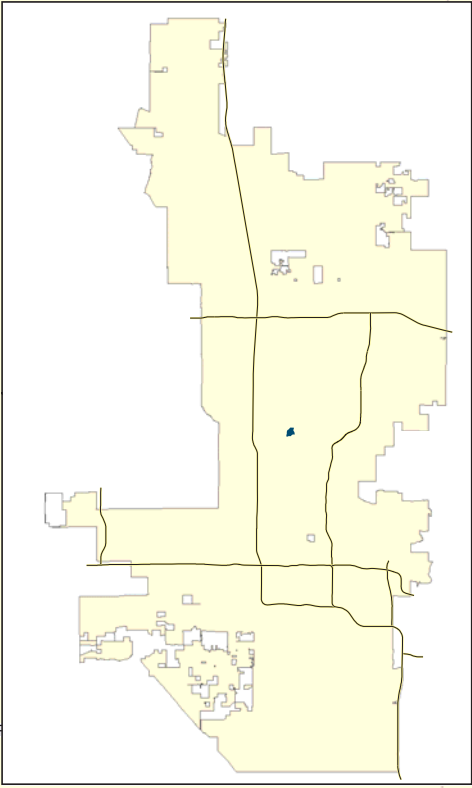
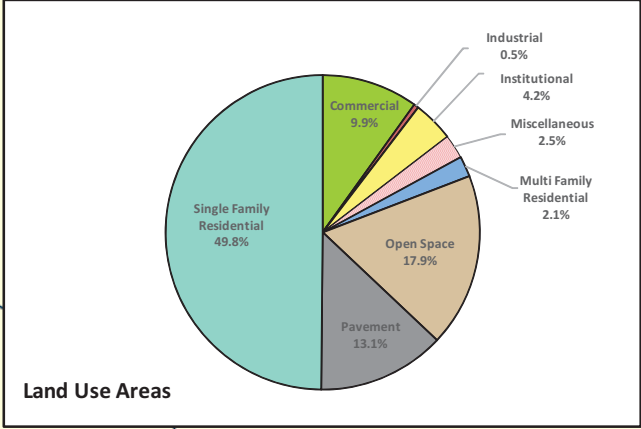
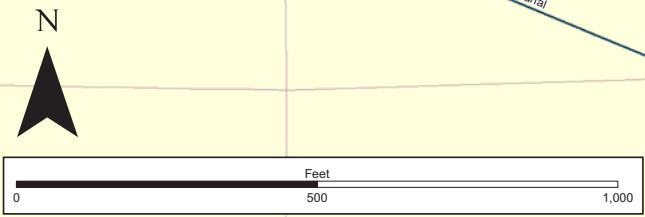
Single Family Residential

Transportation

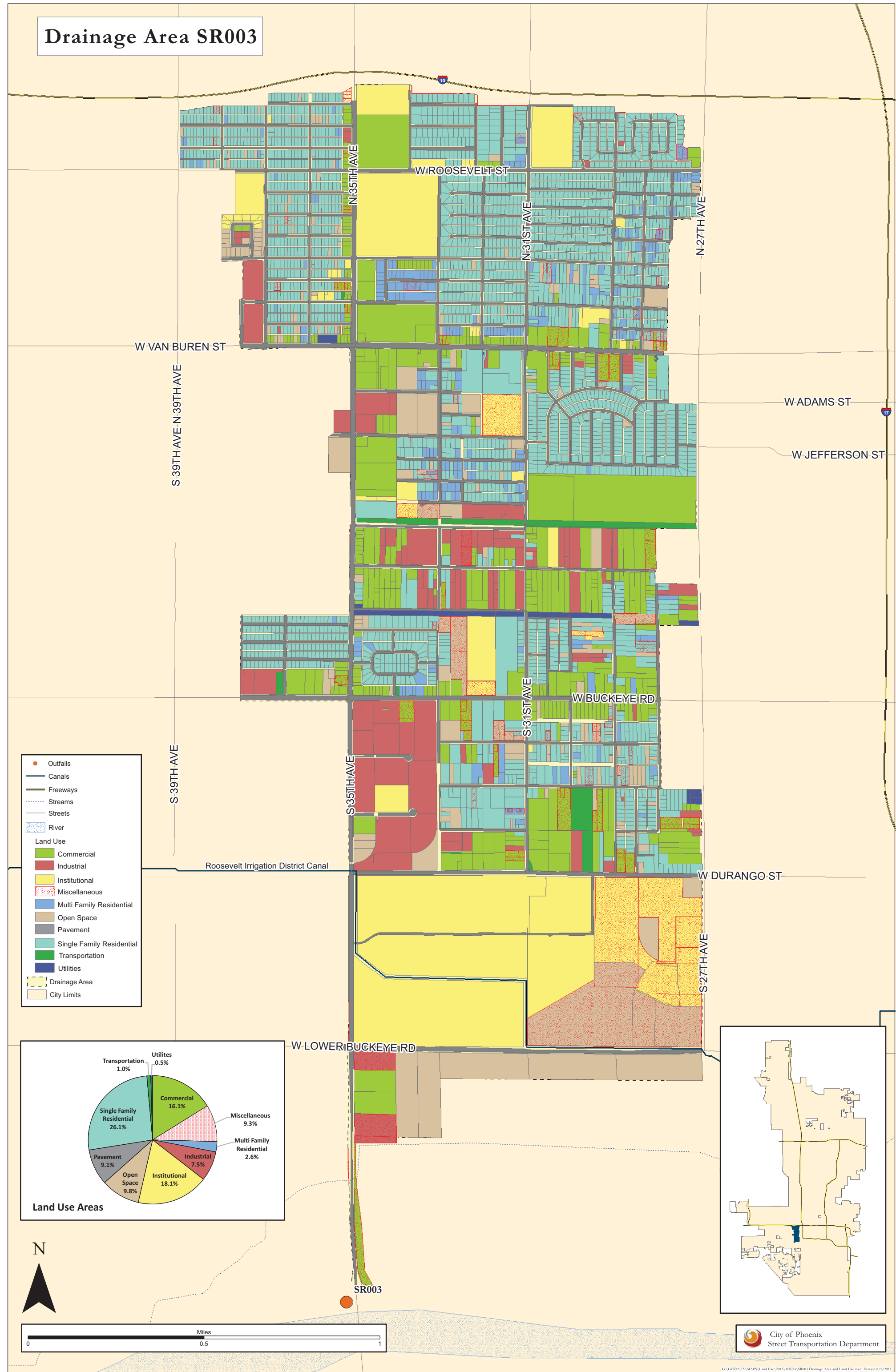
Utilities

Drainage Area

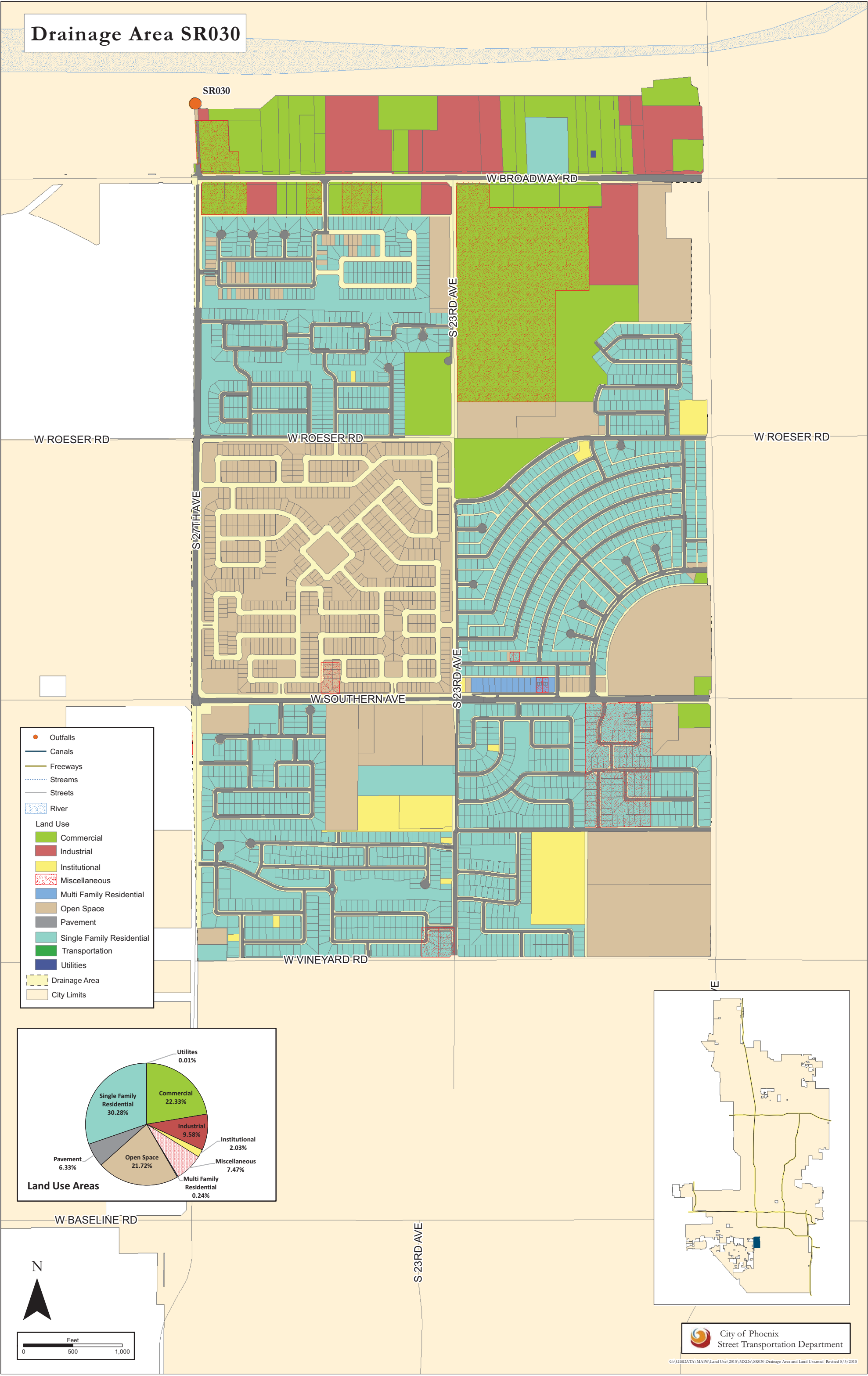
City Limits



Drainage Area SR003

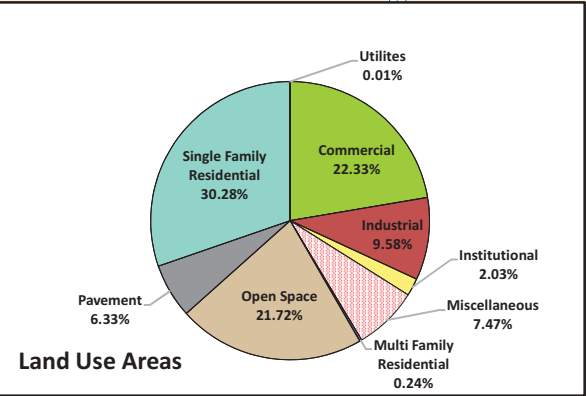


Drainage Area SR030



Legend

- Outfalls
- Canals
- Freeways
- Streams
- Streets
- River
- Land Use
 - Commercial
 - Industrial
 - Institutional
 - Miscellaneous
 - Multi Family Residential
 - Open Space
 - Pavement
 - Single Family Residential
 - Transportation
 - Utilities
- Drainage Area
- City Limits

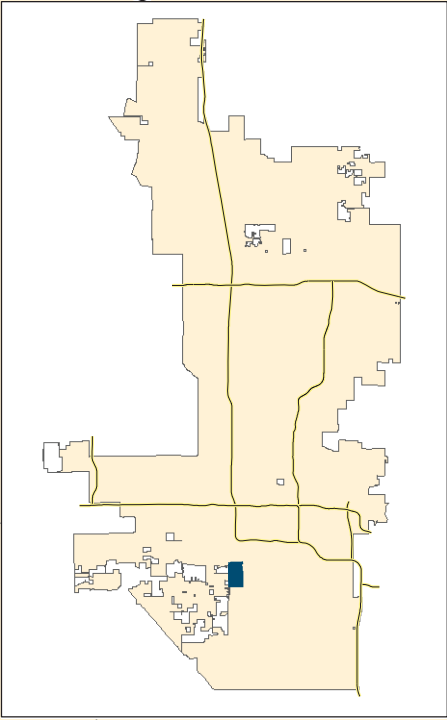


W Baseline Rd

S 23rd Ave

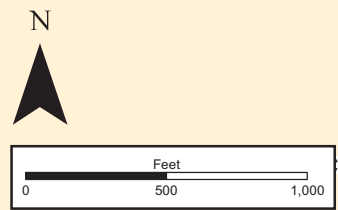
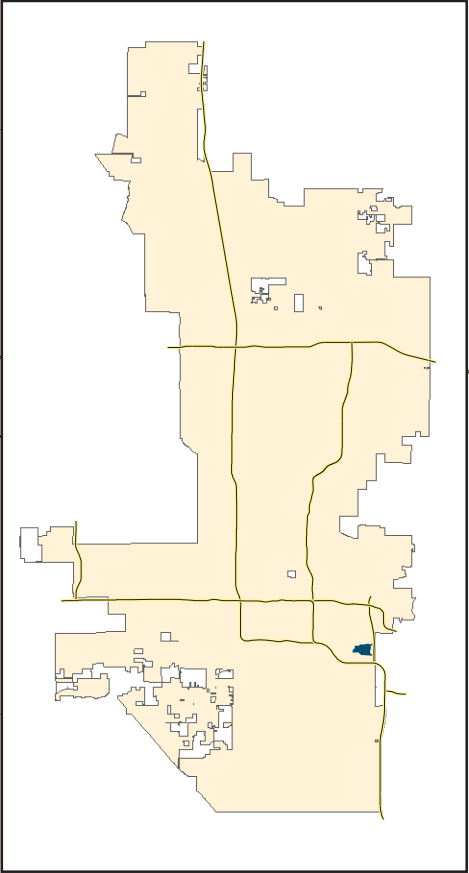
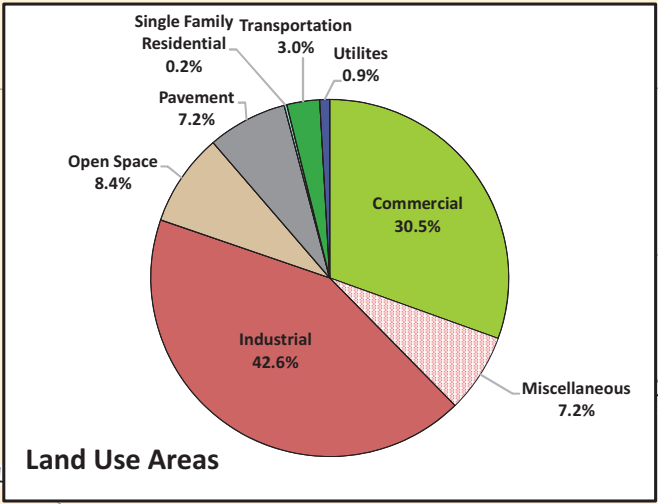
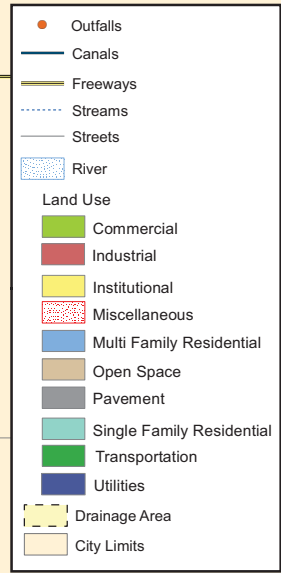
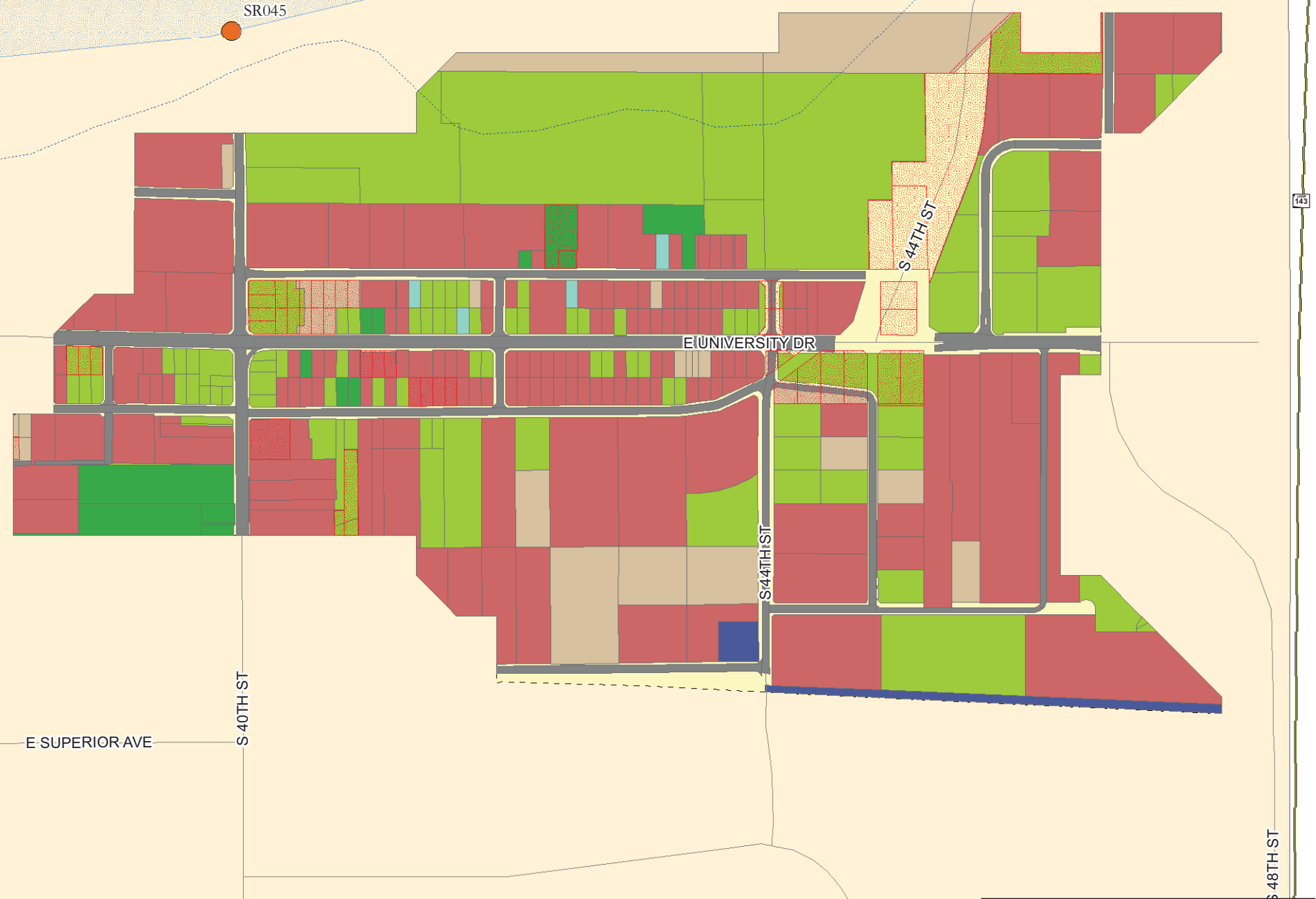
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0 500 1,000 Feet

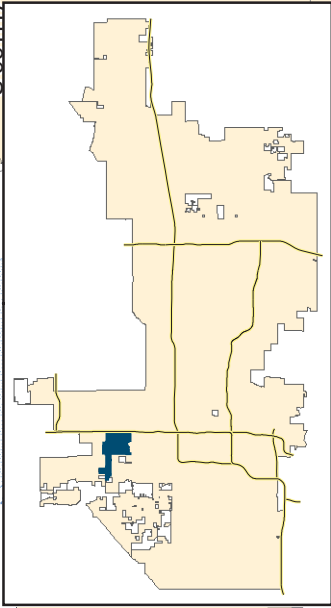
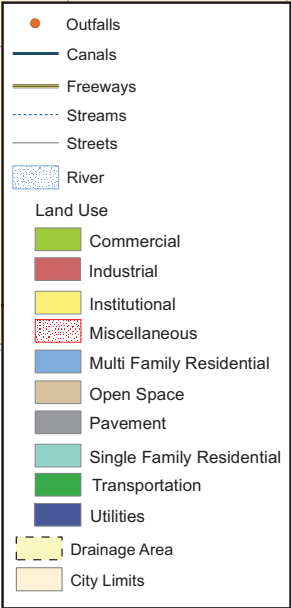
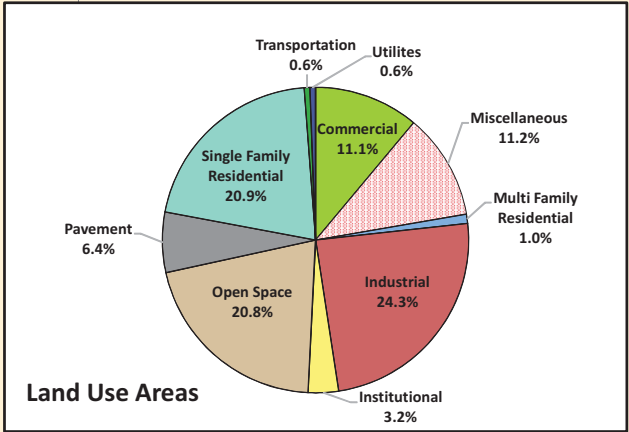
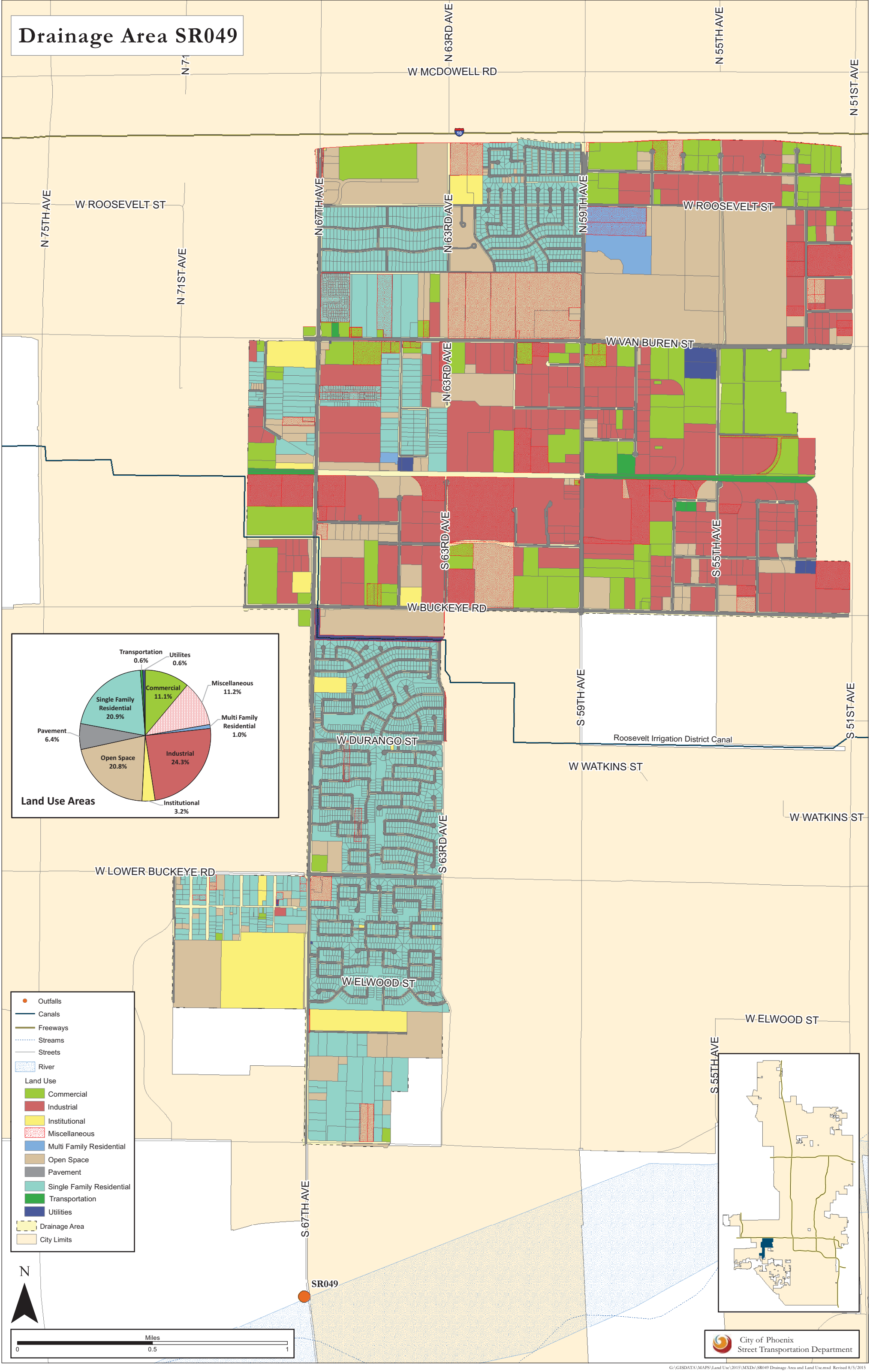


Drainage Area SR045

SR045



Drainage Area SR049



Inventory of Major Outfalls



501 Active Outfalls Where Major Is Yes

AC001	51ST AVE AND CACTUS ROAD	Coordinates: <i>Latitude</i> 33 ° 35 ' 47 " <i>Longitude</i> -112 ° 10 ' 11 "	Map Number: K-05	Last Inspection: 12/09/2010	
	Description:			Last Flow: 09/03/1998	Flow: 3.00
	Instructions: north side of wall and west of 51st Ave (in Glendale)			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 78 Inches
AC002	43RD AVE AND PEORIA AVE	Coordinates: <i>Latitude</i> 33 ° 34 ' 58 " <i>Longitude</i> -112 ° 9 ' 6 "	Map Number: K-06	Last Inspection: 06/15/2015	
	Description:			Last Flow: 05/15/2013	Flow: 65.73
	Instructions: North wall			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 90 Inches
AC003	43RD AVE AND PEORIA AVE	Coordinates: <i>Latitude</i> 33 ° 34 ' 54 " <i>Longitude</i> -112 ° 9 ' 0 "	Map Number: K-06	Last Inspection: 10/12/2010	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 42 Inches
AC004	35TH AVE AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 21 " <i>Longitude</i> -112 ° 8 ' 4 "	Map Number: J-06	Last Inspection: 09/29/2011	
	Description:			Last Flow: 09/19/2006	Flow: 8.00
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 96 Inches
AC005	30TH AVE AND METROCENTER	Coordinates: <i>Latitude</i> 33 ° 34 ' 11 " <i>Longitude</i> -112 ° 7 ' 32 "	Map Number: J-07	Last Inspection: 06/15/2015	
	Description:			Last Flow: 05/15/2013	Flow: 0.65
	Instructions: Located below entrance ramp			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 53 Inches
AC006	29TH AVE AND METROCENTER	Coordinates: <i>Latitude</i> 33 ° 34 ' 15 " <i>Longitude</i> -112 ° 7 ' 16 "	Map Number: J-07	Last Inspection: 10/26/2010	
	Description:			Last Flow: 03/19/1999	Flow: 27.00
	Instructions: north wall - west of 29th Ave			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 48 Inches



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AC007	29TH AVE AND METROCENTER	Coordinates: Latitude 33 ° 34 ' 15 " Longitude -112 ° 7 ' 16 "	Map Number: J-07	Last Inspection: 05/15/2013	
	Description:			Last Flow: 05/15/2013	Flow: 0.89
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 2 Size: 43 Inches
AC008	I-17 (BLACK CANYON FWY) AND ACDC CHANNEL	Coordinates: Latitude 33 ° 34 ' 17 " Longitude -112 ° 7 ' 3 "	Map Number: J-07	Last Inspection: 08/09/2011	
	Description:			Last Flow:	Flow:
	Instructions: NW corner of I-17 in the ACDC, about 27th Ave. Appears to be below the AC191 spillway			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 27 Inches
AC009	25TH AVE AND ACDC CHANNEL	Coordinates: Latitude 33 ° 34 ' 18 " Longitude -112 ° 6 ' 44 "	Map Number: J-07	Last Inspection: 10/26/2010	
	Description:			Last Flow: 02/10/1994	Flow: 31.00
	Instructions: north side, under the bridge			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 12 Inches
AC010	19TH AVE AND ACDC CHANNEL	Coordinates: Latitude 33 ° 34 ' 19 " Longitude -112 ° 5 ' 58 "	Map Number: J-07	Last Inspection: 08/15/2011	
	Description:			Last Flow: 11/01/2006	Flow: 3.00
	Instructions: ACDC owned by MC Flood Control District			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 36 Inches
AC011	7TH ST AND ACDC CHANNEL	Coordinates: Latitude 33 ° 35 ' 47 " Longitude -112 ° 49 ' 50 "	Map Number: J-08	Last Inspection: 12/14/2010	
	Description:			Last Flow: 03/26/1999	Flow: 4.00
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 42 Inches
AC012	18TH PL AND ACDC CHANNEL	Coordinates: Latitude 33 ° 32 ' 8 " Longitude -112 ° 2 ' 32 "	Map Number: J-9	Last Inspection: 09/06/2011	
	Description:			Last Flow: 08/29/2001	Flow: 1.00
	Instructions:			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 48 Inches



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AC013	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 31 ' 35 " <i>Longitude</i> -112 ° 1 ' 51 "	Map Number: I-09	Last Inspection: 09/14/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC014	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 35 ' 47 " <i>Longitude</i> -112 ° 10 ' 9 "	Map Number: I-09	Last Inspection: 09/23/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 2	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC015	33RD DR AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 17 " <i>Longitude</i> -112 ° 7 ' 51 "	Map Number: J-06	Last Inspection: 10/26/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 1	Size: 12 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC016	34TH LN AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 20 " <i>Longitude</i> -112 ° 8 ' 0 "	Map Number: J-06	Last Inspection: 10/26/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 1	Size: 18 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC017	39TH AVE AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 41 " <i>Longitude</i> -112 ° 8 ' 39 "	Map Number: K-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Pipe	Count: 1	Size: 18 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC018	18TH AVE AND HATCHER	Coordinates: <i>Latitude</i> 33 ° 34 ' 17 " <i>Longitude</i> -112 ° 5 ' 50 "	Map Number: J-07	Last Inspection: 08/15/2011	Last Flow: 04/26/1995	Flow: 1.00
	Description:			Type: Concrete		
	Instructions: in ACDC			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC021	49TH DR AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 35 ' 30 " <i>Longitude</i> -112 ° 9 ' 52 "	Map Number: K-05	Last Inspection: 10/11/2010	
	Description:			Last Flow: 05/03/1999	Flow: 1,664.00
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 50 Feet
AC022	LUPINE DR AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 35 ' 23 " <i>Longitude</i> -112 ° 9 ' 44 "	Map Number: K-05	Last Inspection: 10/11/2010	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 50 Feet
AC023	YUCCA ST AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 35 ' 15 " <i>Longitude</i> -112 ° 9 ' 30 "	Map Number: K-06	Last Inspection: 10/11/2010	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 27 Feet
AC024	39TH AVE AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 40 " <i>Longitude</i> -112 ° 8 ' 38 "	Map Number: J-06	Last Inspection: 10/14/2010	
	Description:			Last Flow:	Flow:
	Instructions: north wall			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 30 Feet
AC025	IRONWOOD DR AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 34 " <i>Longitude</i> -112 ° 8 ' 28 "	Map Number: J-06	Last Inspection: 10/14/2010	
	Description:			Last Flow:	Flow:
	Instructions: north wall			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 30 Feet
AC026	3RD ST AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 33 ' 23 " <i>Longitude</i> -112 ° 3 ' 45 "	Map Number: J-08	Last Inspection: 12/14/2010	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 70 Feet



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AC028	10TH ST AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 33 ' 23 " <i>Longitude</i> -112 ° 3 ' 45 "	Map Number: J-08	Last Inspection: 12/20/2010	
	Description:			Last Flow: 12/27/1994	Flow: 300.00
	Instructions: North side, above the 2 x 96 inch pipes			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 100 Feet	
AC029	12TH ST AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 32 ' 45 " <i>Longitude</i> -112 ° 3 ' 24 "	Map Number: J-08	Last Inspection: 12/20/2010	
	Description:			Last Flow:	Flow:
	Instructions: north side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 16 Feet	
AC030	13TH ST AND ORANGEWOOD	Coordinates: <i>Latitude</i> 33 ° 32 ' 41 " <i>Longitude</i> -112 ° 3 ' 16 "	Map Number: I-09	Last Inspection: 12/20/2010	
	Description:			Last Flow:	Flow:
	Instructions: ACDC channel			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 50 Feet	
AC031	14TH ST AND STATE AVE	Coordinates: <i>Latitude</i> 33 ° 32 ' 37 " <i>Longitude</i> -112 ° 3 ' 6 "	Map Number: I-09	Last Inspection: 08/26/2011	
	Description:			Last Flow: 05/05/1999	Flow: 5,060.00
	Instructions: (ACDC channel), confirm lat/long changes to 33,32,38 and 112,3,8 next year			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 90 Feet	
AC033	7TH AVE AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 7 " <i>Longitude</i> -112 ° 4 ' 58 "	Map Number: J-08	Last Inspection: 12/03/2010	
	Description:			Last Flow:	Flow:
	Instructions: Sampling Station			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input checked="" type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 42 Inches	
AC034	12TH AVE AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 12 " <i>Longitude</i> -112 ° 5 ' 29 "	Map Number: J-08	Last Inspection: 08/15/2011	
	Description:			Last Flow: 06/05/1995	Flow: 5.00
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches	



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AC039	14TH ST AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 54 " <i>Longitude</i> -112 ° 8 ' 59 "	Map Number: I-09	Last Inspection: 08/26/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC044	6TH ST AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 33 ' 29 " <i>Longitude</i> -112 ° 3 ' 58 "	Map Number: J-08	Last Inspection: 12/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall - east outfall			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC048	10TH ST AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 33 ' 23 " <i>Longitude</i> -112 ° 3 ' 45 "	Map Number: J-08	Last Inspection: 12/20/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side, under AC028 spillway, redesigned 9/07			Drain Type: Pipe	Count: 2	Size: 96 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC070	DUNLAP AVE AND SHORT TUNNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 15 " <i>Longitude</i> -112 ° 7 ' 14 "	Map Number: J-08	Last Inspection: 12/09/2010	Last Flow: 03/25/1999	Flow: 27.00
	Description:			Type: Concrete		
	Instructions: SHORT TUNNEL AT 3RD TO CENTRAL. Located about 400' inside north tunnel from the east end.			Drain Type: Pipe	Count: 1	Size: 60 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC081	HWY 51 AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 17 " <i>Longitude</i> -112 ° 7 ' 4 "	Map Number: I-09	Last Inspection: 09/06/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Box	Count: 1	Size: 6 x 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC083	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 17 " <i>Longitude</i> -112 ° 7 ' 4 "	Map Number:	Last Inspection: 10/05/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: check lat/long again to confirm position, change next year., 9/2011 mfl. North wall, west of the 2 mile tunnel			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC085	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 17 " <i>Longitude</i> -112 ° 7 ' 4 "	Map Number:	Last Inspection: 09/14/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 2	Size: 30 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC093	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 17 " <i>Longitude</i> -112 ° 53 ' 14 "	Map Number:	Last Inspection: 09/23/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: on the north wall inside the tunnel			Drain Type: Pipe	Count: 6	Size: 30 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC094	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 17 " <i>Longitude</i> -112 ° 53 ' 14 "	Map Number:	Last Inspection: 09/23/2011	Last Flow: 12/07/1995	Flow: 2.00
	Description:			Type: Concrete		
	Instructions: on north wall inside the tunnel			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC098	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 17 " <i>Longitude</i> -112 ° 53 ' 14 "	Map Number:	Last Inspection: 09/23/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: on north wall inside the 2 mile tunnel			Drain Type: Pipe	Count: 3	Size: 30 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC100	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 19 " <i>Longitude</i> -112 ° 54 ' 0 "	Map Number:	Last Inspection: 09/23/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located on the north wall inside the 2 mile tunnel			Drain Type: Pipe	Count: 6	Size: 30 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC101	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 19 " <i>Longitude</i> -112 ° 54 ' 0 "	Map Number:	Last Inspection: 09/23/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: on north wall inside the 2 mile tunnel			Drain Type: Pipe	Count: 2	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC103	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 19 " <i>Longitude</i> -112 ° 54 ' 0 "	Map Number:	Last Inspection: 09/23/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located on the north wall inside the tunnel			Drain Type: Pipe	Count: 2	Size: 30 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC106	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 19 " <i>Longitude</i> -112 ° 54 ' 0 "	Map Number: I-08	Last Inspection: 10/05/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North wall inside tunnel, next to AC104			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC107	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 19 " <i>Longitude</i> -112 ° 54 ' 0 "	Map Number: I-08	Last Inspection: 10/07/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North wall inside tunnel			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC109	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 19 " <i>Longitude</i> -112 ° 5 ' 59 "	Map Number: I-09	Last Inspection: 10/07/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North wall inside tunnel. 2 footage numbers are nearby			Drain Type: Pipe	Count: 1	Size: 96 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC110	2 MILE TUNNEL AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 33 ' 27 " <i>Longitude</i> -112 ° 56 ' 3 "	Map Number: I-09	Last Inspection: 10/07/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North wall inside tunnel. 2 footage numbers nearby.			Drain Type: Pipe	Count: 1	Size: 96 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC128	7TH AVE AND DUNLAP AVE	Coordinates: <i>Latitude</i> 33 ° 34 ' 5 " <i>Longitude</i> -112 ° 4 ' 48 "	Map Number: J-08	Last Inspection: 12/03/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Pipe	Count: 1	Size: 12 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC130	PARADISE DR AND ACDC	Coordinates: <i>Latitude</i> 33 ° 35 ' 35 " <i>Longitude</i> -112 ° 9 ' 56 "	Map Number: K-05	Last Inspection: 10/11/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 64 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC131	47TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 35 ' 19 " <i>Longitude</i> -112 ° 9 ' 37 "	Map Number: K-05	Last Inspection: 10/11/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 64 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC132	46TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 35 ' 5 " <i>Longitude</i> -112 ° 9 ' 22 "	Map Number: K-05	Last Inspection: 10/11/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 10811 N, north wall			Drain Type: Spillway	Count: 1	Size: 32 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC133	43RD AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 35 ' 0 " <i>Longitude</i> -112 ° 9 ' 12 "	Map Number: K-06	Last Inspection: 10/11/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall, just east of entry ramp off 44th Ln and Mercer			Drain Type: Spillway	Count: 1	Size: 32 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC134	43RD AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 35 ' 0 " <i>Longitude</i> -112 ° 9 ' 12 "	Map Number: K-06	Last Inspection: 10/11/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 10620 N, north wall			Drain Type: Spillway	Count: 1	Size: 32 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC135	43RD AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 59 " <i>Longitude</i> -112 ° 9 ' 8 "	Map Number: K-06	Last Inspection: 10/11/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 10620 N, north wall			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC136	NORTH LN AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 52 " <i>Longitude</i> -112 ° 8 ' 58 "	Map Number: K-06	Last Inspection: 10/12/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC137	41ST DR AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 50 " <i>Longitude</i> -112 ° 8 ' 54 "	Map Number: K-06	Last Inspection: 10/12/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC138	41ST LN AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 49 " <i>Longitude</i> -112 ° 8 ' 53 "	Map Number: K-06	Last Inspection: 10/12/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC139	41ST AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 48 " <i>Longitude</i> -112 ° 8 ' 50 "	Map Number: K-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC140	40TH DR AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 46 " <i>Longitude</i> -112 ° 8 ' 48 "	Map Number: K-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC141	40TH LN AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 45 " <i>Longitude</i> -112 ° 8 ' 45 "	Map Number: K-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC142	40TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 44 " <i>Longitude</i> -112 ° 8 ' 45 "	Map Number: K-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC143	39TH LN AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 42 " <i>Longitude</i> -112 ° 8 ' 41 "	Map Number: K-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC144	37TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 27 " <i>Longitude</i> -112 ° 8 ' 18 "	Map Number: J-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 64 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC145	36TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 24 " <i>Longitude</i> -112 ° 8 ' 11 "	Map Number: J-06	Last Inspection: 08/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC146	33RD AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 16 " <i>Longitude</i> -112 ° 52 ' 12 "	Map Number: J-06	Last Inspection: 08/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 48 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC147	23RD AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 24 " <i>Longitude</i> -112 ° 6 ' 26 "	Map Number: J-07	Last Inspection: 08/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall, outfall is west of footage mark 585+00 as of 8/11.			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC148	21ST DR AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 22 " <i>Longitude</i> -112 ° 6 ' 16 "	Map Number: J-07	Last Inspection: 08/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC150	20TH DR AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 21 " <i>Longitude</i> -112 ° 6 ' 11 "	Map Number: J-07	Last Inspection: 08/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 50 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC151	20TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 20 " <i>Longitude</i> -112 ° 6 ' 6 "	Map Number: J-07	Last Inspection: 08/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC152	20TH DR AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 19 " <i>Longitude</i> -112 ° 6 ' 2 "	Map Number: J-07	Last Inspection: 08/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC153	16TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 13 " <i>Longitude</i> -112 ° 5 ' 36 "	Map Number: J-07	Last Inspection: 08/15/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 36 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC154	15TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 12 " <i>Longitude</i> -112 ° 5 ' 28 "	Map Number: J-07	Last Inspection: 08/15/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall			Drain Type: Spillway	Count: 1	Size: 60 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC155	14TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 11 " <i>Longitude</i> -112 ° 5 ' 24 "	Map Number: J-08	Last Inspection: 08/15/2011	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 60 Feet	
AC156	13TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 10 " <i>Longitude</i> -112 ° 5 ' 21 "	Map Number: J-08	Last Inspection: 08/15/2011	
	Description:			Last Flow:	Flow:
	Instructions: north wall			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 60 Feet	
AC157	9TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 8 " <i>Longitude</i> -112 ° 5 ' 7 "	Map Number: J-08	Last Inspection: 08/15/2011	
	Description:			Last Flow:	Flow:
	Instructions: north wall - on the ramp			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 46 Feet	
AC158	8TH AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 34 ' 7 " <i>Longitude</i> -112 ° 5 ' 4 "	Map Number: J-08	Last Inspection: 10/05/2011	
	Description:			Last Flow:	Flow:
	Instructions: North wall. Please verify requested change in coordinates on next visit to site in 2016 or before.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 48 Feet	
AC159	CENTRAL AVE AND SHORT CHANNEL	Coordinates: <i>Latitude</i> 33 ° 33 ' 42 " <i>Longitude</i> -112 ° 4 ' 23 "	Map Number: J-08	Last Inspection: 10/05/2011	
	Description:			Last Flow:	Flow:
	Instructions: SHORT TUNNEL AT 3RD TO CENTRAL. north wall - approx. 300' east of tunnel			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 30 Feet	
AC160	8TH ST AND ACDC	Coordinates: <i>Latitude</i> 33 ° 33 ' 26 " <i>Longitude</i> -112 ° 3 ' 51 "	Map Number: J-08	Last Inspection: 08/25/2011	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 24 Feet	



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AC161	8TH PL AND ACDC	Coordinates: <i>Latitude</i> 33 ° 33 ' 25 " <i>Longitude</i> -112 ° 3 ' 47 "	Map Number: J-08	Last Inspection: 08/25/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC162	HARMONT DR AND ACDC	Coordinates: <i>Latitude</i> 33 ° 33 ' 16 " <i>Longitude</i> -112 ° 3 ' 41 "	Map Number: J-08	Last Inspection: 08/25/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 56 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC163	NORTHERN AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 33 ' 7 " <i>Longitude</i> -112 ° 3 ' 40 "	Map Number: J-08	Last Inspection: 08/25/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Spillway is located South of Northern Rd.			Drain Type: Spillway	Count: 1	Size: 80 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC164	BUD BROWN'S BARN AND ACDC	Coordinates: <i>Latitude</i> 33 ° 33 ' 1 " <i>Longitude</i> -112 ° 3 ' 36 "	Map Number: J-08	Last Inspection: 08/25/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: PAM missing 2011.			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC165	E DESERT PARK LN AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 59 " <i>Longitude</i> -112 ° 3 ' 34 "	Map Number: J-08	Last Inspection: 08/25/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC166	HAYWOOD AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 57 " <i>Longitude</i> -112 ° 3 ' 32 "	Map Number: J-08	Last Inspection: 08/25/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC167	BELMONT AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 55 " <i>Longitude</i> -112 ° 3 ' 32 "	Map Number: J-08	Last Inspection: 08/25/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC168	E KALER DR AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 53 " <i>Longitude</i> -112 ° 3 ' 30 "	Map Number: J-08	Last Inspection: 08/25/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC169	MORTEN AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 50 " <i>Longitude</i> -112 ° 3 ' 28 "	Map Number: J-08	Last Inspection: 08/25/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC170	14TH ST AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 34 " <i>Longitude</i> -112 ° 2 ' 56 "	Map Number: I-09	Last Inspection: 08/26/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 32 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC171	15TH ST AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 31 " <i>Longitude</i> -112 ° 2 ' 54 "	Map Number: I-09	Last Inspection: 08/26/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 320 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC172	16TH PL AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 22 " <i>Longitude</i> -112 ° 2 ' 48 "	Map Number: J-09	Last Inspection: 08/26/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC173	17TH ST AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 14 " <i>Longitude</i> -112 ° 2 ' 40 "	Map Number: J-09	Last Inspection: 08/26/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC174	17TH PL AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 12 " <i>Longitude</i> -112 ° 2 ' 36 "	Map Number: J-09	Last Inspection: 08/26/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 48 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC175	18TH ST AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 9 " <i>Longitude</i> -112 ° 2 ' 33 "	Map Number: J-09	Last Inspection: 09/06/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 48 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC176	19TH ST AND ACDC	Coordinates: <i>Latitude</i> 33 ° 31 ' 59 " <i>Longitude</i> -112 ° 2 ' 24 "	Map Number: J-09	Last Inspection: 09/06/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 80 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC177	20TH ST AND ACDC	Coordinates: <i>Latitude</i> 33 ° 31 ' 55 " <i>Longitude</i> -112 ° 2 ' 19 "	Map Number: J-09	Last Inspection: 09/06/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: near an exit point			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC178	MARYLAND AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 31 ' 52 " <i>Longitude</i> -112 ° 2 ' 17 "	Map Number: I-09	Last Inspection: 09/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AC179	MARYLAND AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 31 ' 48 " <i>Longitude</i> -112 ° 57 ' 42 "	Map Number: I-09	Last Inspection: 09/09/2011	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 40 Feet
AC180	MARYLAND AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 31 ' 47 " <i>Longitude</i> -112 ° 2 ' 13 "	Map Number: I-09	Last Inspection: 09/09/2011	
	Description:			Last Flow:	Flow:
	Instructions: Lat/long change not made, please verify change in coordinates on next visit to site. See 2011 inspection			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 32 Feet
AC181	MARYLAND AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 31 ' 46 " <i>Longitude</i> -112 ° 2 ' 12 "	Map Number: I-09	Last Inspection: 09/09/2011	
	Description:			Last Flow:	Flow:
	Instructions: Lat/long change not made, please verify change in coordinates on next visit to site. See 2011 inspection			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 40 Feet
AC182	MARLETTE AVE AND ACDC	Coordinates: <i>Latitude</i> 33 ° 31 ' 43 " <i>Longitude</i> -112 ° 2 ' 9 "	Map Number: I-09	Last Inspection: 09/09/2011	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 32 Feet
AC183	CLAREMONT ST AND ACDC	Coordinates: <i>Latitude</i> 33 ° 31 ' 42 " <i>Longitude</i> -112 ° 2 ' 7 "	Map Number: I-09	Last Inspection: 09/09/2011	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 32 Feet
AC184	SQUAW PEAK WATER TREATMENT PLANT AND ACDC	Coordinates: <i>Latitude</i> 33 ° 31 ' 41 " <i>Longitude</i> -112 ° 2 ' 2 "	Map Number: I-09	Last Inspection: 09/09/2011	
	Description:			Last Flow: 12/19/2001	Flow: 10.00
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 72 Feet



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AC185	SQUAW PEAK PKWY AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 3 " <i>Longitude</i> -112 ° 2 ' 29 "	Map Number: J-09	Last Inspection: 09/06/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 48 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC187	14TH ST AND ACDC	Coordinates: <i>Latitude</i> 33 ° 32 ' 36 " <i>Longitude</i> -112 ° 3 ' 0 "	Map Number: I-09	Last Inspection: 08/26/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 50 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC191	I-17 AND ACDC CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 17 " <i>Longitude</i> -112 ° 7 ' 3 "	Map Number: J-07	Last Inspection: 08/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: NW corner of I-17, Located east end of amusement park, above AC008			Drain Type: Spillway	Count: 1	Size: 31 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC192	3858 W MALAPAI DR, NORTH WALL	Coordinates: <i>Latitude</i> 33 ° 34 ' 40 " <i>Longitude</i> -112 ° 8 ' 38 "	Map Number: K-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall - spillway not notched at the top			Drain Type: Spillway	Count: 1	Size: 25 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC193	3848 W MALAPAI DR	Coordinates: <i>Latitude</i> 33 ° 34 ' 38 " <i>Longitude</i> -112 ° 8 ' 36 "	Map Number: K-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall - spillway is not notched at the top			Drain Type: Spillway	Count: 1	Size: 25 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AC194	3832 W MALAPAI DR	Coordinates: <i>Latitude</i> 33 ° 34 ' 37 " <i>Longitude</i> -112 ° 8 ' 35 "	Map Number: K-06	Last Inspection: 10/14/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north wall - Spillway not notched at the top of the wall			Drain Type: Spillway	Count: 1	Size: 25 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AF002	ENCANTO BLVD AND SR101 WEST (9500 W)								
Coordinates:	<i>Latitude</i> 33 ° 28 ' 20 " <i>Longitude</i> -112 ° 15 ' 57 "	Map Number:	G-03	Last Inspection:	07/16/2015	Last Flow:		Flow:	
Description:	west end of open ditch starting near Encanto and 95th ave. Lat/long amended 11/29/10 to -112 15 57 from -112 16 00 mfl								
Instructions:	Open ditch running west to ADOT channel, located on the east side of the ADOT channel			Type:	Concrete				
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type:	Pipe	Count:	2	Size: 42 Inches
AF003	MCDOWELL RD AND SR101 WEST (9700 W)								
Coordinates:	<i>Latitude</i> 33 ° 27 ' 55 " <i>Longitude</i> -112 ° 16 ' 3 "	Map Number:	G-02	Last Inspection:	07/16/2015	Last Flow:		Flow:	
Description:				Type:	Other				
Instructions:	Located on the N/E corner of intersection			Drain Type:	Box	Count:	3	Size: 4 x 11 Feet	
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					
AF005	CAMELBACK RD AND SR LOOP 101								
Coordinates:	<i>Latitude</i> 33 ° 30 ' 29 " <i>Longitude</i> -112 ° 16 ' 6 "	Map Number:	H-02	Last Inspection:	07/16/2015	Last Flow:		Flow:	
Description:				Type:	Plastic Pipe				
Instructions:	about 97th Ave and Camelback Rd SE corner			Drain Type:	Pipe	Count:	2	Size: 35 Inches	
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					
AF006	CAMELBACK ROAD AND 114TH AVEUNE								
Coordinates:	<i>Latitude</i> 33 ° 30 ' 24 " <i>Longitude</i> -112 ° 18 ' 15 "	Map Number:		Last Inspection:	07/16/2015	Last Flow:		Flow:	
Description:				Type:	Concrete				
Instructions:				Drain Type:	Pipe	Count:	1	Size: 60 Inches	
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					
AW001	SOUTH CHANDLER BLVD (2700W) AND PECOS RD								
Coordinates:	<i>Latitude</i> 33 ° 17 ' 23 " <i>Longitude</i> -112 ° 7 ' 2 "	Map Number:	A-07	Last Inspection:	07/03/2012	Last Flow:		Flow:	
Description:				Type:	Concrete				
Instructions:	Located on SW corner of intersection. South Chandler is a north/south street at the west end of West Chandler Blvd that connects to Pecos.			Drain Type:	Pipe	Count:	2	Size: 36 Inches	
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					



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AW003	25TH DR AND PECOS RD	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 38 "	Map Number: A-07	Last Inspection: 07/03/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located 1.5 blocks east of Chandler Blvd (2700 W)			Drain Type: Pipe	Count: 2	Size: 24 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW006	24TH AVE AND PECOS RD	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 6 ' 42 "	Map Number: A-07	Last Inspection: 07/03/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: NEW outfall 9-4-03			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW007	PECOS RD AND 23RD DR	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 19 "	Map Number: A-07	Last Inspection: 07/03/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: NEW outfall 9-4-03			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW008	PECOS RD AND 23RD AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 19 "	Map Number: A-07	Last Inspection: 07/03/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: NEW outfall 9-4-03			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW009	PECOS RD AND 22ND DR	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 6 ' 39 "	Map Number: A-07	Last Inspection: 07/03/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located between power pole 75 and 76			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW010	PECOS RD AND 22ND AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 6 ' 13 "	Map Number: A-07	Last Inspection: 07/03/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AW011	PECOS RD AND 21ST DR	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 33 "	Map Number: A-07	Last Inspection: 07/03/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located just West of APS power pole 75			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW012	PECOS RD AND 21ST DR	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 33 "	Map Number: A-07	Last Inspection: 07/03/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located just east of APS power pole 75			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW013	PECOS RD AND 21ST AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 29 "	Map Number: A-07	Last Inspection: 07/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 2nd culvert east of APS power pole 75			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW014	PECOS RD AND 21ST AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 28 "	Map Number: A-07	Last Inspection: 07/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 3rd culvert east of APS power pole 75			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW015	PECOS RD AND 20TH DR	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 25 "	Map Number: A-07	Last Inspection: 07/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 4th culvert east of APS power pole 75			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW016	PECOS RD AND 20TH DR	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 22 "	Map Number: A-07	Last Inspection: 07/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 2nd culvert west of APS power pole # 74			Drain Type: Box	Count: 1	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AW017	PECOS RD AND 20TH DR	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 20 "	Map Number: A-07	Last Inspection: 07/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located just west of APS power pole #74. Two culverts on the west side of AW18.					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Box	Count: 2	Size: 4 x 8 Feet		
AW018	PECOS RD AND 20TH DR	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 13 "	Map Number: A-07	Last Inspection: 07/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located just west of APS power pole #74. this outfall is east of AW17, appears to be 3 culverts together.					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Box	Count: 1	Size: 4 x 8 Feet		
AW020	PECOS RD AND 19TH DR	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 9 "	Map Number: A-07	Last Inspection: 07/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located just west of APS power pole #73 - twin 18 lines/single culvert					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 2	Size: 18 Inches		
AW023	PECOS RD AND 19TH AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 6 ' 1 "	Map Number: A-07	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located west of APS pole #72 - PAM placed on top of headwall					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 3	Size: 24 Inches		
AW024	PECOS RD AND 17TH AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 5 ' 50 "	Map Number: A-07	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: Located approx 40 feet west of APS pole #71 - Placed PAM on east wing wall					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 82 Inches		



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AW025	PECOS RD AND 15TH AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 5 ' 34 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: Located at center between APS poles # 70 and # 69 - Placed PAM on top of headwall					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 54 Inches		
AW026	PECOS RD AND 14TH AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 5 ' 23 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located 100 feet west of APS pole #69 - Small catch basin to spillway - Placed PAM at back of catch basin					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 4 Feet		
AW028	PECOS RD AND 2ND AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 5 ' 6 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: located midway between APS power pole #68 and #67					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 5	Size: 90 Inches		
AW029	PECOS RD AND CENTRAL AVE	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 4 ' 54 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: Located midway between APS power pole #67 and #66					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 3	Size: 84 Inches		
AW031	PECOS RD AND 2ND ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 4 ' 44 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: Located midway between APS power poles #66 and #65					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 3	Size: 72 Inches		
AW032	PECOS RD AND 2ND PL	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 4 ' 24 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: Located approximately 500 feet east of APS power pole #64					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 54 Inches		



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AW034	PECOS RD AND 3RD ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 4 ' 14 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: 500 feet east of APS power pole #63			Drain Type: Pipe	Count: 1	Size: 78 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW035	PECOS RD AND 4TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 4 ' 10 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approx 700 feet west of APS power pole #62			Drain Type: Spillway	Count: 1	Size: 4 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW036	PECOS RD AND 6TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 4 ' 5 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: Approx 250 feet east of APS power pole #62			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW037	PECOS RD AND S DESERT FOOTHILLS PKWY	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 3 ' 39 "	Map Number: A-08	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: Located 30 feet west of power pole #60			Drain Type: Pipe	Count: 1	Size: 42 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW038	PECOS RD AND 11TH WAY	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 3 ' 39 "	Map Number: A-08	Last Inspection: 07/02/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: Located approx. midpoint between Power Pole #60 and #59			Drain Type: Pipe	Count: 3	Size: 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW039	PECOS RD AND 12TH WAY	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 3 ' 29 "	Map Number: A-09	Last Inspection: 07/18/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: Located mid way between power poles #59 and #58			Drain Type: Pipe	Count: 1	Size: 60 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AW041	PECOS RD AND 14TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 3 ' 9 "	Map Number: A-09	Last Inspection: 07/23/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located mid-way between power pole #57 and #56 or across from the church					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size:		
AW042	PECOS RD AND 15TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 3 ' 1 "	Map Number: A-09	Last Inspection: 07/23/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approximately 100 feet east of power pole #56					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 2	Size: 66 Inches		
AW044	PECOS RD AND 17TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 2 ' 50 "	Map Number: A-09	Last Inspection: 07/23/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approx. 50 feet west of large power pole #54					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 6 Feet		
AW046	PECOS RD AND 18TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 2 ' 33 "	Map Number: A-09	Last Inspection: 07/23/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approx. 200 feet west of large power pole #53					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 2	Size: 6 Feet		
AW047	PECOS RD AND 20TH WAY	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 2 ' 15 "	Map Number: A-09	Last Inspection: 07/23/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approx. 300 feet east of power pole #52					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 6 Feet		
AW048	PECOS RD AND 24TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 1 ' 59 "	Map Number: A-09	Last Inspection: 07/23/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approx. 250 feet west of large power pole #50					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 3	Size: 6 Feet		



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AW049	PECOS RD AND 24TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 1 ' 52 "	Map Number: A-09	Last Inspection: 07/23/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located 250 feet east of the 24th St. and Pecos Rd intersection			Drain Type: Spillway	Count: 1	Size:
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW050	PECOS RD AND 24TH PL	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 1 ' 47 "	Map Number: A-09	Last Inspection: 07/23/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located east of 24th St. - 150 feet west of power pole #49			Drain Type: Pipe	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW051	PECOS RD AND 25TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 1 ' 45 "	Map Number: A-09	Last Inspection: 07/23/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approx. 75 feet east of large power pole #49			Drain Type: Pipe	Count: 3	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW053	PECOS RD AND 26TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 1 ' 37 "	Map Number: A-09	Last Inspection: 07/25/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approx. 125 feet west of large power pole #48			Drain Type: Spillway	Count: 1	Size:
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW054	PECOS RD AND 28TH PL	Coordinates: <i>Latitude</i> 33 ° 17 ' 26 " <i>Longitude</i> -112 ° 1 ' 20 "	Map Number: A-10	Last Inspection: 07/25/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approx. midway between large power poles #47 and #46			Drain Type: Box	Count: 6	Size: 5 x 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW057	PECOS RD AND 36TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 0 ' 22 "	Map Number: A-10	Last Inspection: 07/25/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located approx. 125 feet west of large power pole #41			Drain Type: Box	Count: 3	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AW058	PECOS RD AND 36TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 0 ' 21 "	Map Number: A-10	Last Inspection: 07/25/2012	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: Located directly in front of large power pole #41			Drain Type: Spillway	Count: 1	Size: 9 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW059	PECOS RD AND 37TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -112 ° 0 ' 13 "	Map Number: A-10	Last Inspection: 07/25/2012	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: Located approx. midway between large power pole #41 and #40			Drain Type: Pipe	Count: 1	Size: 9 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW060	PECOS RD AND 39TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 27 " <i>Longitude</i> -111 ° 59 ' 57 "	Map Number: A-10	Last Inspection: 07/25/2012	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: Located 450 feet east of large power pole #39, across from Pecos Rd. Park-n-ride entrance. Outfall is at chain link fence!			Drain Type: Spillway	Count: 1	Size: 48 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW061	PECOS RD AND 41ST ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 28 " <i>Longitude</i> -111 ° 59 ' 43 "	Map Number: A-10	Last Inspection: 07/25/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located 200 feet east of large power pole #37 (small pole immediately west is #31)			Drain Type: Box	Count: 4	Size: 10 x 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AW062	PECOS RD AND 44TH ST	Coordinates: <i>Latitude</i> 33 ° 17 ' 29 " <i>Longitude</i> -111 ° 59 ' 25 "	Map Number: A-10	Last Inspection: 07/25/2012	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: Located approx. 150 feet west of large power pole #35. 9/09 most easterly outfall in AW system.			Drain Type: Spillway	Count: 1	Size:
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AZ001	ARIZONA CANAL AND 42ND ST	Coordinates: <i>Latitude</i> 33 ° 30 ' 26 " <i>Longitude</i> -111 ° 59 ' 28 "	Map Number: H-10	Last Inspection: 11/21/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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AZ002	ARIZONA CANAL AND 56TH ST	Coordinates: <i>Latitude</i> 33 ° 29 ' 21 " <i>Longitude</i> -111 ° 57 ' 38 "	Map Number: H-11	Last Inspection: 11/21/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Northeast corner of bridge			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AZ003	ARIZONA CANAL AND 57TH ST	Coordinates: <i>Latitude</i> 33 ° 29 ' 22 " <i>Longitude</i> -111 ° 57 ' 34 "	Map Number: H-11	Last Inspection: 11/21/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side of canal about 250 feet west of falls			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AZ024	ARIZONA CANAL AND 21ST ST	Coordinates: <i>Latitude</i> 33 ° 31 ' 38 " <i>Longitude</i> -112 ° 2 ' 4 "	Map Number: H-09	Last Inspection: 12/03/2014	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: North side 2 pipes at this site this is Eastern pipe AZ25 is Western			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AZ025	ARIZONA CANAL AND 21ST ST	Coordinates: <i>Latitude</i> 33 ° 31 ' 38 " <i>Longitude</i> -112 ° 2 ' 4 "	Map Number: H-09	Last Inspection: 12/03/2014	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: Behind Squaw Peak water plant. Western most pipe of two at site. See AZ24			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AZ028	ARIZONA CANAL AND 56TH ST	Coordinates: <i>Latitude</i> 33 ° 29 ' 20 " <i>Longitude</i> -111 ° 57 ' 39 "	Map Number: H-11	Last Inspection: 11/21/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located @ the N/W corner of 56th St and Indian School Rd.			Drain Type: Spillway	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
AZ030	ARIZONA CANAL AND 44TH ST	Coordinates: <i>Latitude</i> 33 ° 30 ' 15 " <i>Longitude</i> -111 ° 59 ' 12 "	Map Number: H-11	Last Inspection: 11/21/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Drains 44th St., NW corner of bridge next to outfall AZ17			Drain Type: Spillway	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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CC002	23RD AVE AND VOGEL AVE	Coordinates: <i>Latitude</i> 33 ° 34 ' 26 " <i>Longitude</i> -112 ° 6 ' 31 "	Map Number: J-07	Last Inspection: 08/29/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north of ACDC east wall			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC003	PEORIA AVE AND CAVE CREEK WASH	Coordinates: <i>Latitude</i> 33 ° 34 ' 54 " <i>Longitude</i> -112 ° 6 ' 43 "	Map Number: K-07	Last Inspection: 10/10/2014	Last Flow: 08/22/2002	Flow: 4.00
	Description:			Type: Concrete		
	Instructions: east wall			Drain Type: Pipe	Count: 1	Size: 84 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC004	25TH AVE AND CHOLLA RD	Coordinates: <i>Latitude</i> 33 ° 35 ' 21 " <i>Longitude</i> -112 ° 6 ' 52 "	Map Number: K-07	Last Inspection: 08/29/2014	Last Flow: 04/28/1995	Flow: 1.00
	Description:			Type: Concrete		
	Instructions: east wall			Drain Type: Pipe	Count: 1	Size: 78 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC005	25TH AVE AND CACTUS RD	Coordinates: <i>Latitude</i> 33 ° 35 ' 46 " <i>Longitude</i> -112 ° 6 ' 43 "	Map Number: K-7	Last Inspection: 08/26/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: south of cactus - east wall			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC006	25TH AVE AND LARKSPUR DR	Coordinates: <i>Latitude</i> 33 ° 35 ' 59 " <i>Longitude</i> -112 ° 6 ' 39 "	Map Number:	Last Inspection: 08/26/2014	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: east side of detention basin			Drain Type: Pipe	Count: 1	Size: 30 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC008	23RD AVE AND THUNDERBIRD RD	Coordinates: <i>Latitude</i> 33 ° 36 ' 38 " <i>Longitude</i> -112 ° 6 ' 28 "	Map Number: L-07	Last Inspection: 08/29/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: SE corner of bridge, east wall south of T-Bird in cave creek park			Drain Type: Pipe	Count: 1	Size: 72 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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CC010	19TH AVE AND GREENWAY RD	Coordinates: <i>Latitude</i> 33 ° 37 ' 28 " <i>Longitude</i> -112 ° 5 ' 59 "	Map Number: L-07	Last Inspection: 08/29/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: on west side of 19th, south of Greenway, north side of wash			Drain Type: Pipe	Count: 1	Size: 90 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC041	901 W DANBURY RD	Coordinates: <i>Latitude</i> 33 ° 38 ' 33 " <i>Longitude</i> -112 ° 5 ' 5 "	Map Number:	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: West side of wash, north of Bell Rd			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC042	17407 N 8TH AVE	Coordinates: <i>Latitude</i> 33 ° 38 ' 38 " <i>Longitude</i> -112 ° 5 ' 3 "	Map Number:	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: West side of wash, north of Bell Rd			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC043	7TH AVE AND CAVE CREEK WASH	Coordinates: <i>Latitude</i> 33 ° 38 ' 39 " <i>Longitude</i> -112 ° 4 ' 59 "	Map Number: M-08	Last Inspection: 10/22/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: level with Helena Dr, south of Grovers Ave			Drain Type: Pipe	Count: 1	Size: 60 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC044	3RD AVE AND GROVERS AVE	Coordinates: <i>Latitude</i> 33 ° 38 ' 51 " <i>Longitude</i> -112 ° 4 ' 43 "	Map Number: M-08	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: East side of wash			Drain Type: Spillway	Count: 1	Size: 16 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC045	5TH AVE AND MICHELLE DR	Coordinates: <i>Latitude</i> 33 ° 38 ' 58 " <i>Longitude</i> -112 ° 4 ' 47 "	Map Number: M-08	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: West side of wash, north of Grovers Ave, south of 18023 N 5th Ave			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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CC046	5TH AVE AND MICHIGAN AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 3 " <i>Longitude</i> -112 ° 4 ' 47 "	Map Number: M-08	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: West side of wash, north of Grovers Ave, south of 18023 N 5th Ave			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC047	232 W MICHIGAN AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 3 " <i>Longitude</i> -112 ° 4 ' 41 "	Map Number: M-08	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Grassed		
	Instructions: East side of wash at Michigan Ave			Drain Type: Spillway	Count: 1	Size: 14 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC048	5TH AVE AND BLUEFIELD CIR	Coordinates: <i>Latitude</i> 33 ° 39 ' 9 " <i>Longitude</i> -112 ° 4 ' 47 "	Map Number: M-08	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: West side of wash, south of Union Hills Dr			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC049	237 W WAGONER RD	Coordinates: <i>Latitude</i> 33 ° 39 ' 9 " <i>Longitude</i> -112 ° 4 ' 42 "	Map Number: M-08	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: East side of wash, south of Union Hills Dr			Drain Type: Spillway	Count: 1	Size: 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC050	UNION HILLS DR AND CAVE CREEK WASH	Coordinates: <i>Latitude</i> 33 ° 39 ' 16 " <i>Longitude</i> -112 ° 4 ' 43 "	Map Number: M-08	Last Inspection: 10/22/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Southeast corner of bridge			Drain Type: Pipe	Count: 1	Size: 72 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC052	15478 N 13TH AVE	Coordinates: <i>Latitude</i> 33 ° 37 ' 39 " <i>Longitude</i> -112 ° 5 ' 26 "	Map Number: L-08	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: East side of the wash, level with Waltann Lane			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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CC055	19TH AVE AND GREENWAY RD	Coordinates: <i>Latitude</i> 33 ° 37 ' 27 " <i>Longitude</i> -112 ° 5 ' 58 "	Map Number: L-07	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: East side, 200 feet south of Greenway			Drain Type: Spillway	Count: 1	Size: 3 x 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC056	19TH AVE AND GREENWAY RD	Coordinates: <i>Latitude</i> 33 ° 37 ' 27 " <i>Longitude</i> -112 ° 5 ' 59 "	Map Number: L-07	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: On West side, 200 feet south of Greenway RD			Drain Type: Spillway	Count: 1	Size: 3 x 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC057	CAVE CREEK GOLF COURSE AT ACOMA DR	Coordinates: <i>Latitude</i> 33 ° 37 ' 5 " <i>Longitude</i> -112 ° 6 ' 24 "	Map Number: L-07	Last Inspection: 09/19/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: West side of wash opposite the ladies tee box #11			Drain Type: Pipe	Count: 1	Size: 42 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC060	18019 N 3RD AVENUE	Coordinates: <i>Latitude</i> 33 ° 38 ' 59 " <i>Longitude</i> -112 ° 4 ' 42 "	Map Number: M-08	Last Inspection: 07/30/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north of Grovers Ave and east of 7th Ave			Drain Type: Spillway	Count: 1	Size: 18 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC062	19823 N 3RD ST	Coordinates: <i>Latitude</i> 33 ° 39 ' 59 " <i>Longitude</i> -112 ° 4 ' 11 "	Map Number: M-08	Last Inspection: 07/31/2014	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: asphalt road to dirt, deadend of 3rd Street, broken curbing allowing discharges to wash			Drain Type: Spillway	Count: 1	Size: 29 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC063	19819 N 3RD ST	Coordinates: <i>Latitude</i> 33 ° 39 ' 38 " <i>Longitude</i> -112 ° 4 ' 12 "	Map Number: M-08	Last Inspection: 07/31/2014	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: Across street from address, actually just appears to be broken curbing into the wash			Drain Type: Spillway	Count: 1	Size: 20 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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CC064	19801 N 3RD ST	Coordinates: <i>Latitude</i> 33 ° 39 ' 56 " <i>Longitude</i> -112 ° 4 ' 11 "	Map Number: M-08	Last Inspection: 07/31/2014	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: N/W corner of 3rd St and Behrend - east side of wash			Drain Type: Spillway	Count: 1	Size: 7 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC065	301 E BEHREND DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 55 " <i>Longitude</i> -112 ° 4 ' 11 "	Map Number: N-08	Last Inspection: 07/31/2014	Last Flow:	Flow:
	Description: 9 foot spillway			Type: Other		
	Instructions: East side of wash, Located S/W corner of 3rd Street and Behrend Dr			Drain Type: Spillway	Count: 1	Size: 9 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC066	301 E WIKIEUP LN	Coordinates: <i>Latitude</i> 33 ° 39 ' 54 " <i>Longitude</i> -112 ° 4 ' 11 "	Map Number: N-08	Last Inspection: 07/31/2014	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: East side of wash, SW corner of 3rd St. and Wikieup Ln.			Drain Type: Spillway	Count: 1	Size: 9 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC067	301 E SEQUOIA DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 51 " <i>Longitude</i> -112 ° 4 ' 11 "	Map Number: N-08	Last Inspection: 07/31/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: East side of wash, south of Loop 101, SW corner of 3rd St and Sequoia Dr			Drain Type: Spillway	Count: 1	Size: 9 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC068	301 E ORAIBI DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 49 " <i>Longitude</i> -112 ° 4 ' 11 "	Map Number: N-08	Last Inspection: 07/31/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: East side of wash, Located on the east side of the wash along 3rd Street.			Drain Type: Spillway	Count: 1	Size: 9 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
CC069	301 E PIUTE AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 48 " <i>Longitude</i> -112 ° 4 ' 11 "	Map Number: N-08	Last Inspection: 07/31/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: East side of wash at 3rd Street and Piute Ave			Drain Type: Spillway	Count: 1	Size: 9 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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CC070	301 E UTOPIA RD	Coordinates: <i>Latitude</i> 33 ° 39 ' 43 " <i>Longitude</i> -112 ° 4 ' 11 "	Map Number: N-08	Last Inspection: 07/31/2014	
	Description:			Last Flow:	Flow:
	Instructions: East side of wash, Enter Utopia from 7th St., Utopia ends at the wash.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 9 Feet	
CC071	401 E WESCOTT DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 31 " <i>Longitude</i> -112 ° 4 ' 10 "	Map Number: M-08	Last Inspection: 07/31/2014	
	Description:			Last Flow:	Flow:
	Instructions: East side of wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 13 Feet	
CC072	18650 N 2ND AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 23 " <i>Longitude</i> -112 ° 4 ' 33 "	Map Number: M-08	Last Inspection: 08/01/2014	
	Description:			Last Flow:	Flow:
	Instructions: East side of wash, just north of the address			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 12 Feet	
CC073	18819 N 2ND AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 27 " <i>Longitude</i> -112 ° 4 ' 32 "	Map Number: M-08	Last Inspection: 07/31/2014	
	Description:			Last Flow:	Flow:
	Instructions: East side of wash, across street from address and next to Morrow Lane			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 10 Feet	
CC074	18802 N 2ND DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 24 " <i>Longitude</i> -112 ° 4 ' 40 "	Map Number: M-08	Last Inspection: 07/31/2014	
	Description:			Last Flow:	Flow:
	Instructions: West side of wash, across the street from this address			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 9 Feet	
CC075	201 W TARO LN	Coordinates: <i>Latitude</i> 33 ° 39 ' 32 " <i>Longitude</i> -112 ° 4 ' 33 "	Map Number: M-08	Last Inspection: 07/31/2014	
	Description: 10 foot spillway			Last Flow:	Flow:
	Instructions: West side of wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 10 Feet	



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CC076	27TH AVE AND CHOLLA RD	Coordinates: <i>Latitude</i> 33 ° 35 ' 21 " <i>Longitude</i> -112 ° 6 ' 51 "	Map Number: K-07	Last Inspection: 07/22/2014	
	Description:			Last Flow:	Flow:
	Instructions: Spillway is located between ped bridge and outfall CC04			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 62 Feet	
CC077	519 W HELENA DR	Coordinates: <i>Latitude</i> 33 ° 38 ' 40 " <i>Longitude</i> -112 ° 4 ' 53 "	Map Number: M-08	Last Inspection: 07/22/2014	
	Description:			Last Flow:	Flow:
	Instructions: east side of the wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 15 Feet	
CC078	4TH AVE AND MURIEL DR	Coordinates: <i>Latitude</i> 33 ° 38 ' 47 " <i>Longitude</i> -112 ° 4 ' 45 "	Map Number: M-08	Last Inspection: 07/22/2014	
	Description:			Last Flow:	Flow:
	Instructions: east side of the wash (17611 N), across from 17611 N 4th Ave			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 24 Feet	
CC079	4TH AVE AND ANGELA DR	Coordinates: <i>Latitude</i> 33 ° 38 ' 44 " <i>Longitude</i> -112 ° 4 ' 46 "	Map Number: M-08	Last Inspection: 07/22/2014	
	Description:			Last Flow:	Flow:
	Instructions: north spillway on the east side of the wash (17525 N)			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 16 Feet	
CC080	4TH AVE AND ANGELA DR	Coordinates: <i>Latitude</i> 33 ° 38 ' 44 " <i>Longitude</i> -112 ° 4 ' 46 "	Map Number: M-08	Last Inspection: 07/22/2014	
	Description:			Last Flow:	Flow:
	Instructions: south spillway, east side of wash (17525 N)			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 16 Feet	
CC081	17415 N 6TH AVE	Coordinates: <i>Latitude</i> 33 ° 38 ' 38 " <i>Longitude</i> -112 ° 4 ' 55 "	Map Number: M-08	Last Inspection: 07/22/2014	
	Description:			Last Flow:	Flow:
	Instructions: South side of the wash/at end of Cul de sac			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 19 Feet	



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CC082	CAVE CREEK GC AND CAVE CREEK WASH	Coordinates: <i>Latitude</i> 33 ° 37 ' 26 " <i>Longitude</i> -112 ° 6 ' 19 "	Map Number:	Last Inspection: 09/19/2014	Last Flow:	Flow:
	Description: New outfall May 2010, unknown sources, concrete structure with flapper gate					
	Instructions: Cross roads would be 22nd Ave and W Carribean Lane. Outfall next to 7th tee box, just east of the maintenance storage yard			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 42 Inches		
CC083	23RD AVE AND GREENWAY RD	Coordinates: <i>Latitude</i> 33 ° 37 ' 25 " <i>Longitude</i> 112 ° 6 ' 20 "	Map Number: L-7	Last Inspection: 09/19/2014	Last Flow:	Flow:
	Description:					
	Instructions:			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 48 Inches		
CC087	DEER VALLEY ROAD AND 11TH PL	Coordinates: <i>Latitude</i> 33 ° 41 ' 3 " <i>Longitude</i> -112 ° 3 ' 27 "	Map Number:	Last Inspection: 11/14/2014	Last Flow:	Flow:
	Description:					
	Instructions: NW Corner of bridge. 20 Feet north of Deer Valley Road.			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 66 Inches		
EF001	CAVE CREEK RD AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 37 ' 54 " <i>Longitude</i> -112 ° 1 ' 52 "	Map Number: L-09	Last Inspection: 08/17/2010	Last Flow: 03/24/1995	Flow: 2.00
	Description:					
	Instructions: Located at the bottom, east end of channel, north side of wash. GPS checked 9-09, location DEAD ON!!			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches		
EF002	16TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 3 " <i>Longitude</i> -112 ° 2 ' 38 "	Map Number: M-09	Last Inspection: 07/13/2010	Last Flow:	Flow:
	Description:					
	Instructions: north side of wash - west side of culvert			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 84 Inches		
EF003	18TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 3 " <i>Longitude</i> -112 ° 2 ' 39 "	Map Number: M-09	Last Inspection: 07/13/2010	Last Flow:	Flow:
	Description:					
	Instructions: north side of wash			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 84 Inches		



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EF004	20TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 22 "	Map Number: L-09	Last Inspection: 08/17/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side of wash - west side of culvert			Drain Type: Pipe	Count: 1	Size: 96 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF006	9TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 13 " <i>Longitude</i> -112 ° 3 ' 41 "	Map Number: M-08	Last Inspection: 08/20/2015	Last Flow: 09/16/1994	Flow: 2.00
	Description:			Type: Other		
	Instructions: Center of wash			Drain Type: Pipe	Count: 1	Size: 96 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF007	9TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 14 " <i>Longitude</i> -112 ° 3 ' 41 "	Map Number: M-08	Last Inspection: 07/12/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side of wash			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF008	CAVE CREEK RD AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 37 ' 54 " <i>Longitude</i> -112 ° 1 ' 53 "	Map Number: L-09	Last Inspection: 08/17/2010	Last Flow: 09/19/1994	Flow: 2.00
	Description:			Type: Concrete		
	Instructions: At the bottom of the channel, 100' west of Cave Creek Rd, south side of wash a little west of EF01			Drain Type: Pipe	Count: 1	Size: 72 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF009	16TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 10 " <i>Longitude</i> -112 ° 2 ' 52 "	Map Number: M-09	Last Inspection: 07/13/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Northeast corner of 16th Street			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF010	7TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 14 " <i>Longitude</i> -112 ° 3 ' 57 "	Map Number: M-08	Last Inspection: 08/20/2015	Last Flow: 08/20/2015	Flow: 0.50
	Description:			Type: Concrete		
	Instructions: On the North side of the wash - west of 7th St.			Drain Type: Pipe	Count: 1	Size: 84 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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EF011	7TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 13 " <i>Longitude</i> -112 ° 3 ' 56 "	Map Number: L-08	Last Inspection: 08/20/2015	
	Description:			Last Flow: 03/22/2001	Flow: 1.00
	Instructions: southwest corner of culvert/by bike path			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 36 Inches
EF012	7TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 14 " <i>Longitude</i> -112 ° 3 ' 56 "	Map Number: M-08	Last Inspection: 08/20/2015	
	Description:			Last Flow:	Flow:
	Instructions: West side of 7th St on the north wing wall			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 36 Inches
EF013	CAVE CREEK RD AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 37 ' 54 " <i>Longitude</i> -112 ° 1 ' 53 "	Map Number: L-09	Last Inspection: 08/19/2015	
	Description:			Last Flow:	Flow:
	Instructions: 300 feet West of corner of CC Road and Greenway Pkwy, S/side of wash			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 22 Feet
EF014	22ND PL AND MONTE CRISTO	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 5 "	Map Number: L-09	Last Inspection: 08/19/2015	
	Description:			Last Flow:	Flow:
	Instructions: South side of wash. 600 feet NORTH of 2222 E. Monte Cristo Ave.			Type: Grassed	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Spillway	Count: 1 Size: 50 Feet
EF015	22ND ST AND EAST FORK	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 6 "	Map Number: L-09	Last Inspection: 08/17/2010	
	Description:			Last Flow:	Flow:
	Instructions: north side of wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 36 Inches
EF016	22ND ST AND EAST FORK	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 6 "	Map Number: L-09	Last Inspection: 08/17/2010	
	Description:			Last Flow:	Flow:
	Instructions: north side of wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 36 Inches



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EF017	22ND ST AND MONTE CRISTO	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 7 "	Map Number: L-09	Last Inspection: 08/19/2015	Last Flow:	Flow:
	Description:			Type: Grassed		
	Instructions: spillway Southside of wash, adjacent to 16015 N 22nd St.			Drain Type: Spillway	Count: 1	Size: 40 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF018	21ST ST AND EAST FORK	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 14 "	Map Number: L-09	Last Inspection: 08/17/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side of wash eastern of 2 pipes			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF019	21ST ST AND EAST FORK	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 14 "	Map Number: L-09	Last Inspection: 08/17/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side			Drain Type: Pipe	Count: 1	Size: 42 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF020	20TH PL AND MONTE CRISTO	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 18 "	Map Number: L-09	Last Inspection: 08/19/2015	Last Flow:	Flow:
	Description:			Type: Grassed		
	Instructions: south side of wash, east of 2024 E Monte Cristo Ave.			Drain Type: Spillway	Count: 1	Size: 12 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF021	2012 E MONTE CRISTO AVE	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 20 "	Map Number: L-09	Last Inspection: 08/19/2015	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: South side of wash, 50 feet east of 20th Street. East side of address			Drain Type: Spillway	Count: 1	Size: 21 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF022	20TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 21 "	Map Number: L-09	Last Inspection: 08/19/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: East side of 20th Street, South side of wash			Drain Type: Spillway	Count: 1	Size: 15 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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EF023	19TH ST AND EAST FORK (1926 E MONTE CRISTO)	Coordinates: <i>Latitude</i> 33 ° 37 ' 56 " <i>Longitude</i> -112 ° 2 ' 26 "	Map Number: L-09	Last Inspection: 08/19/2015	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: spillway on south side of wash next to or east of 1926 E Monte Cristo.					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 10 Feet		
EF025	1410 E SANDRA TERRACE	Coordinates: <i>Latitude</i> 33 ° 38 ' 10 " <i>Longitude</i> -112 ° 3 ' 4 "	Map Number: M-09	Last Inspection: 08/19/2015	Last Flow:	Flow:
	Description:			Type: Grassed		
	Instructions: east side of the property, spillway is actually north of or behind the address.					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 15 Feet		
EF026	14TH ST AND GRANDVIEW RD	Coordinates: <i>Latitude</i> 33 ° 38 ' 10 " <i>Longitude</i> -112 ° 3 ' 9 "	Map Number: M-09	Last Inspection: 08/19/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: spillway on South side of wash, east of 1334 E Grandview					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 21 Feet		
EF027	12TH ST AND EAST FORK	Coordinates: <i>Latitude</i> 33 ° 38 ' 13 " <i>Longitude</i> -112 ° 3 ' 26 "	Map Number: M-08	Last Inspection: 07/13/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side of wash, 36 is low flow for the 8 x 12 foot box					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Box	Count: 1	Size: 8 x 12 Feet		
EF028	16431 N 12TH ST	Coordinates: <i>Latitude</i> 33 ° 38 ' 10 " <i>Longitude</i> -112 ° 3 ' 20 "	Map Number: M-08	Last Inspection: 08/19/2015	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: Located at the end of 12th St., this 50 foot spillway is on the south side of wash, spillway is next to address					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 50 Feet		
EF033	301 W LEMARCHE AVE	Coordinates: <i>Latitude</i> 33 ° 37 ' 54 " <i>Longitude</i> -112 ° 4 ' 36 "	Map Number: L-08	Last Inspection: 07/26/2010	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: across street from address					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 10 Feet		



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EF034	301 W MONTE CRISTO AVE	Coordinates: <i>Latitude</i> 33 ° 37 ' 52 " <i>Longitude</i> -112 ° 4 ' 37 "	Map Number: L-08	Last Inspection: 07/26/2010	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions:			Drain Type: Pipe	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF035	15802 N 4TH AVE	Coordinates: <i>Latitude</i> 33 ° 37 ' 48 " <i>Longitude</i> -112 ° 4 ' 43 "	Map Number: L-08	Last Inspection: 07/26/2010	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: across street from address, north side of wash			Drain Type: Spillway	Count: 1	Size: 12 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF036	15803 N 4TH DR	Coordinates: <i>Latitude</i> 33 ° 37 ' 47 " <i>Longitude</i> -112 ° 4 ' 44 "	Map Number: L-08	Last Inspection: 07/26/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: across street from address, north side of wash			Drain Type: Spillway	Count: 1	Size: 14 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF037	MOON VALLEY PARK	Coordinates: <i>Latitude</i> 33 ° 37 ' 38 " <i>Longitude</i> -112 ° 4 ' 54 "	Map Number: L-08	Last Inspection: 07/26/2010	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: Located in parking lot about 40' north of restrooms			Drain Type: Pipe	Count: 1	Size: 5 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF038	214 W KATHLEEN RD	Coordinates: <i>Latitude</i> 33 ° 37 ' 47 " <i>Longitude</i> -112 ° 4 ' 38 "	Map Number: L-08	Last Inspection: 07/26/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: southwest of address			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF039	16042 N 1ST ST	Coordinates: <i>Latitude</i> 33 ° 37 ' 57 " <i>Longitude</i> -112 ° 4 ' 24 "	Map Number: L-08	Last Inspection: 07/26/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 1	Size: 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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EF040	1407 W BECK LN	Coordinates: <i>Latitude</i> 33 ° 37 ' 33 " <i>Longitude</i> -112 ° 5 ' 26 "	Map Number: L-08	Last Inspection: 08/11/2011	
	Description:			Last Flow: 10/31/2005	Flow: 2.00
	Instructions: South of Greenway -North side of wash, East side of property			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 21 Feet	
EF041	1101 W BECK LN	Coordinates: <i>Latitude</i> 33 ° 37 ' 34 " <i>Longitude</i> -112 ° 5 ' 9 "	Map Number: L-08	Last Inspection: 07/26/2010	
	Description:			Last Flow:	Flow:
	Instructions: Located east of the above address. North side of wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 19 Feet	
EF042	15406 N 7TH DR	Coordinates: <i>Latitude</i> 33 ° 37 ' 32 " <i>Longitude</i> -112 ° 5 ' 0 "	Map Number: L-08	Last Inspection: 07/26/2010	
	Description:			Last Flow:	Flow:
	Instructions: Located south side of home on Coral Gables			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 25 Feet	
EF043	1527 W CARIBBEAN LN	Coordinates: <i>Latitude</i> 33 ° 37 ' 27 " <i>Longitude</i> -112 ° 5 ' 35 "	Map Number: L-08	Last Inspection: 07/27/2010	
	Description:			Last Flow:	Flow:
	Instructions: Caribbean is a private road, enter through gate on Port Au Prince			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 10 Feet	
EF044	1445 W CARIBBEAN LN	Coordinates: <i>Latitude</i> 33 ° 37 ' 30 " <i>Longitude</i> -112 ° 5 ' 23 "	Map Number: M-08	Last Inspection: 07/27/2010	
	Description:			Last Flow:	Flow:
	Instructions: Caribbean is a private road, enter through gate on Port Au Prince			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 6 Feet	
EF045	1455 W CARIBBEAN LN	Coordinates: <i>Latitude</i> 33 ° 37 ' 30 " <i>Longitude</i> -112 ° 5 ' 27 "	Map Number: M-08	Last Inspection: 07/27/2010	
	Description:			Last Flow:	Flow:
	Instructions: Caribbean is a private road, enter through gate on Port Au Prince			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 10 Feet	



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EF046	1503 W CARIBBEAN LN	Coordinates: <i>Latitude</i> 33 ° 37 ' 30 " <i>Longitude</i> -112 ° 5 ' 31 "	Map Number: M-08	Last Inspection: 07/27/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Caribbean is a private road, enter through gate on Port Au Prince			Drain Type: Spillway	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF051	19TH PL AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 37 ' 59 " <i>Longitude</i> -112 ° 2 ' 31 "	Map Number: L-09	Last Inspection: 07/13/2010	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side of wash, at the top of the concrete slope			Drain Type: Pipe	Count: 2	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF052	CAVE CREEK RD AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 37 ' 54 " <i>Longitude</i> -112 ° 1 ' 51 "	Map Number: L-09	Last Inspection: 08/19/2015	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: Located at the S/W corner of intersection			Drain Type: Spillway	Count: 1	Size: 48 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF053	1802 E PARADISE LN	Coordinates: <i>Latitude</i> 33 ° 37 ' 59 " <i>Longitude</i> -112 ° 4 ' 12 "	Map Number: M-09	Last Inspection: 08/20/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 18 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF054	16TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 9 " <i>Longitude</i> -112 ° 2 ' 53 "	Map Number: M-09	Last Inspection: 08/20/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 23 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
EF055	16TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 9 " <i>Longitude</i> -112 ° 2 ' 53 "	Map Number: M-09	Last Inspection: 08/20/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 14 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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EF056	1610 E SANDRA TERRACE	Coordinates: <i>Latitude</i> 33 ° 38 ' 8 " <i>Longitude</i> -112 ° 2 ' 52 "	Map Number: M-09	Last Inspection: 08/20/2015	
	Description:			Last Flow:	Flow:
	Instructions: Move inspection point to Granview rd. 1608 East Granview From 1610 East Sandra Terrace			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 6 Feet	
EF057	1526 W CARIBBEAN LN	Coordinates: <i>Latitude</i> 33 ° 37 ' 27 " <i>Longitude</i> -112 ° 5 ' 35 "	Map Number: L-08	Last Inspection: 07/27/2010	
	Description:			Last Flow:	Flow:
	Instructions: Caribbean is a private road, enter through gate on Port Au Prince			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 12 Feet	
EF058	15406 N 7TH DR	Coordinates: <i>Latitude</i> 33 ° 37 ' 32 " <i>Longitude</i> -112 ° 5 ' 0 "	Map Number: L-08	Last Inspection: 09/26/2014	
	Description:			Last Flow:	Flow:
	Instructions: Located approx. 800' due west of the spillway apron in the center of wash.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
EF063	7TH ST AND GREENWAY PKWY	Coordinates: <i>Latitude</i> 33 ° 38 ' 15 " <i>Longitude</i> -112 ° 3 ' 59 "	Map Number: M-08	Last Inspection: 07/12/2010	
	Description:			Last Flow:	Flow:
	Instructions: Spillway located @ SW corner of intersection			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 150 Feet	
EF065	UNION HILLS AND 25TH WAY	Coordinates: <i>Latitude</i> 33 ° 39 ' 17 " <i>Longitude</i> 112 ° 1 ' 35 "	Map Number:	Last Inspection: 07/22/2015	
	Description: Southwest corner of bridge south of Union Hills approx. 400 ft east of 25th Way			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 48 Inches	



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EF066	UNION HILLS AND 25TH WAY								
Coordinates:	<i>Latitude</i> 33 ° 39 ' 17 " <i>Longitude</i> 112 ° 1 ' 34 "	Map Number:	Last Inspection: 07/22/2015						
Description:	South east side of bridge on Union hills, approx 400 feet east of 25th way.		Last Flow:	Flow:					
Instructions:			Type: Concrete						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 63 Inches		
EF069	UTOPIA RD BETWEEN 27TH AND 28TH STREET								
Coordinates:	<i>Latitude</i> 33 ° 39 ' 44 " <i>Longitude</i> 112 ° 1 ' 26 "	Map Number:	Last Inspection: 07/22/2015						
Description:			Last Flow:	Flow:					
Instructions:	Under the Utopia bridge between 27th and 28th street. Approx. halfway under the bridge.		Type: Concrete						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 48 Inches		
EF070	UTOPIA ROAD BETWEEN 27TH AND 28TH ST.								
Coordinates:	<i>Latitude</i> 33 ° 39 ' 44 " <i>Longitude</i> 112 ° 1 ' 26 "	Map Number:	Last Inspection: 07/22/2015						
Description:	South of Utopia Rd. between 27th and 28th Street, South east corner of bridge.		Last Flow:	Flow:					
Instructions:			Type: Concrete						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 96 Inches		
EF086	20300 N. 26TH ST.								
Coordinates:	<i>Latitude</i> 33 ° 40 ' 29 " <i>Longitude</i> 112 ° 1 ' 71 "	Map Number:	Last Inspection: 07/24/2015						
Description:			Last Flow:	Flow:					
Instructions:	Access through back of Costco parking lot.		Type: Concrete						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 76 Inches		
EF087	20300 N. 26TH ST.								
Coordinates:	<i>Latitude</i> 33 ° 40 ' 29 " <i>Longitude</i> 112 ° 1 ' 6 "	Map Number:	Last Inspection: 07/24/2015						
Description:			Last Flow:	Flow:					
Instructions:	Entrance at back of Costco parking lot.		Type: Concrete						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 76 Inches		



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EF088	CAVE CREEK AND 101	Coordinates: <i>Latitude</i> 33 ° 40 ' 29 " <i>Longitude</i> 112 ° 1 ' 83 "	Map Number:	Last Inspection: 07/24/2015	Last Flow:	Flow:
	Description: Located in the ADOT access road on the NE corner of Cave Creek and the 101.					
	Instructions: ADOT key required.			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 58 Inches		
EF091	2302 E. GROVERS AVE	Coordinates: <i>Latitude</i> 33 ° 38 ' 89 " <i>Longitude</i> 112 ° 1 ' 88 "	Map Number:	Last Inspection: 08/04/2015	Last Flow:	Flow:
	Description:					
	Instructions: Inside SE corner Grovers Basin Park			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 96 Inches		
GC001	GRAND AVE AND GRAND CANAL	Coordinates: <i>Latitude</i> 33 ° 29 ' 21 " <i>Longitude</i> -112 ° 7 ' 38 "	Map Number: H-06	Last Inspection: 01/07/2015	Last Flow:	Flow:
	Description:					
	Instructions: about 9 feet under bridge from east side at the bottom			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 24 Inches		
GC002	GRAND AVE AND GRAND CANAL	Coordinates: <i>Latitude</i> 33 ° 29 ' 21 " <i>Longitude</i> -112 ° 7 ' 40 "	Map Number: H-06	Last Inspection: 01/07/2015	Last Flow:	Flow:
	Description:					
	Instructions: west end of the bridge			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches		
GC033	GRAND CANAL AND E OF PUEBLO GRANDE MUSEUM PARK	Coordinates: <i>Latitude</i> 33 ° 26 ' 40 " <i>Longitude</i> -111 ° 58 ' 58 "	Map Number: F-11	Last Inspection: 01/07/2015	Last Flow:	Flow:
	Description:					
	Instructions: the 2nd outfall between power poles west of AZ143 and east of 153			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 14 Feet		
IB001	52ND ST AND SHEA BLVD	Coordinates: <i>Latitude</i> 33 ° 34 ' 57 " <i>Longitude</i> -111 ° 58 ' 4 "	Map Number: K-11	Last Inspection: 08/15/2013	Last Flow:	Flow:
	Description:					
	Instructions: SE corner of culvert crossing Shea			Type: Concrete		
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches		



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IB002	52ND ST AND SHEA BLVD	Coordinates: <i>Latitude</i> 33 ° 34 ' 57 " <i>Longitude</i> -111 ° 58 ' 8 "	Map Number:	Last Inspection: 07/18/2013	
	Description:			Last Flow: 03/31/1995	Flow: 1.00
	Instructions: SW corner of culvert crossing Shea			Type: Metal Pipe	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 84 Inches
IB003	TATUM BLVD AND CHOLLA ST	Coordinates: <i>Latitude</i> 33 ° 35 ' 24 " <i>Longitude</i> -111 ° 58 ' 47 "	Map Number: K-11	Last Inspection: 02/05/2014	
	Description:			Last Flow: 06/16/1994	Flow: 34.00
	Instructions: drains into Stone Creek golf course retention pond, outfall is always underwater.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 66 Inches
IB004	TATUM BLVD AND CHOLLA ST	Coordinates: <i>Latitude</i> 33 ° 35 ' 40 " <i>Longitude</i> -111 ° 58 ' 40 "	Map Number: K-11	Last Inspection: 02/05/2014	
	Description:			Last Flow: 03/13/2001	Flow: 1.00
	Instructions: drains into Stone Creek golf course retention pond, outfall is always underwater.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 66 Inches
IB005	52ND ST AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 35 ' 1 " <i>Longitude</i> -111 ° 58 ' 8 "	Map Number: K-11	Last Inspection: 07/18/2013	
	Description:			Last Flow:	Flow:
	Instructions: approx 1 blk north of Shea/east side of wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Box	Count: 1 Size: 14 x 3 Feet
IB007	36TH ST AND SWEETWATER AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 13 " <i>Longitude</i> -112 ° 0 ' 15 "	Map Number: K-10	Last Inspection: 08/05/2013	
	Description:			Last Flow:	Flow:
	Instructions: south of Sweetwater/NE corner of culvert			Type: Grassed	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 78 Inches
IB008	40TH ST AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 35 ' 58 " <i>Longitude</i> -111 ° 59 ' 44 "	Map Number: K-10	Last Inspection: 08/23/2013	
	Description:			Last Flow: 08/23/2013	Flow: 0.10
	Instructions: south of Columbine on the east side of 40th St. Northeast side of wash. This is a Phoenix wet weather sampling site.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input checked="" type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 66 Inches



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IB010	32ND ST AND ACOMA DR	Coordinates: <i>Latitude</i> 33 ° 37 ' 7 " <i>Longitude</i> -112 ° 0 ' 47 "	Map Number: L-10	Last Inspection: 08/05/2013	
	Description:			Last Flow:	Flow:
	Instructions: Structure @ SE corner of intersection			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 66 Inches
IB011	56TH ST AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 34 ' 26 " <i>Longitude</i> -111 ° 57 ' 39 "	Map Number: K-11	Last Inspection: 06/13/2014	
	Description:			Last Flow:	Flow:
	Instructions: Across from 9591 N 56th St, outfall drains to a golf course retention pond, always underwater.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 66 Inches
IB013	CACTUS RD AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 35 ' 50 " <i>Longitude</i> -111 ° 59 ' 35 "	Map Number: K-10	Last Inspection: 08/14/2013	
	Description:			Last Flow: 06/10/1994	Flow: 1.00
	Instructions: South outfall in center of the west barrel on Cactus Rd			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 72 Inches
IB016	TATUM BLVD AND CHOLLA ST	Coordinates: <i>Latitude</i> 33 ° 35 ' 29 " <i>Longitude</i> -111 ° 58 ' 40 "	Map Number: K-11	Last Inspection: 08/22/2013	
	Description:			Last Flow: 03/14/2001	Flow: 1.00
	Instructions: East of Tatum Rd under Cholla, southeast corner of intersection			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 36 Inches
IB018	CACTUS RD AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 35 ' 50 " <i>Longitude</i> -111 ° 59 ' 35 "	Map Number: K-10	Last Inspection: 08/15/2013	
	Description:			Last Flow: 06/10/1994	Flow: 1.00
	Instructions: Outfall is located under the Cactus Road bridge at approximately the center of the southwest section of the bridge in the Indian Bend Wash.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 72 Inches



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IB021	10202 N 54TH PL	Coordinates: <i>Latitude</i> 33 ° 34 ' 45 " <i>Longitude</i> -111 ° 57 ' 51 "	Map Number: K-11	Last Inspection: 10/14/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: this is a double system with an unusable spillway and 36 pipe.			Drain Type: Pipe	Count: 2	Size: 36 Inch
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB023	3526 E DAHLIA DR	Coordinates: <i>Latitude</i> 33 ° 36 ' 13 " <i>Longitude</i> -112 ° 0 ' 16 "	Map Number: L-10	Last Inspection: 08/14/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 20 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB024	3631 E DAHLIA DR	Coordinates: <i>Latitude</i> 33 ° 36 ' 13 " <i>Longitude</i> -112 ° 0 ' 10 "	Map Number: L-10	Last Inspection: 08/14/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 1block South of Sweetwater at the intersection of 37th Pl and Dahlia			Drain Type: Spillway	Count: 1	Size: 21 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB025	3716 E ASTER DR	Coordinates: <i>Latitude</i> 33 ° 36 ' 10 " <i>Longitude</i> -112 ° 0 ' 9 "	Map Number: L-10	Last Inspection: 08/14/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: corner of 37th Way and Astor Drive			Drain Type: Spillway	Count: 1	Size: 19 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB026	12806 N 37TH CT	Coordinates: <i>Latitude</i> 33 ° 36 ' 8 " <i>Longitude</i> -112 ° 0 ' 4 "	Map Number: L-10	Last Inspection: 08/14/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located at the end of the Cul-de-sac			Drain Type: Spillway	Count: 1	Size: 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB027	CACTUS RD AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 35 ' 53 " <i>Longitude</i> -111 ° 59 ' 35 "	Map Number: K-10	Last Inspection: 08/14/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located 125 feet north of east end of bridge, behind apartments. Cactus and in line with N 41st Place			Drain Type: Spillway	Count: 1	Size: 11 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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IB035	THUNDERBIRD RD AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 36 ' 42 " <i>Longitude</i> -112 ° 0 ' 32 "	Map Number:	Last Inspection: 08/05/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 2	Size: 60 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB036	THUNDERBIRD RD AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 36 ' 43 " <i>Longitude</i> -112 ° 0 ' 32 "	Map Number: L-10	Last Inspection: 08/05/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: on the west wall of the wash about 25 feet inside the culvert			Drain Type: Pipe	Count: 2	Size: 60 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB037	THUNDERBIRD RD AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 36 ' 46 " <i>Longitude</i> -112 ° 0 ' 36 "	Map Number: L-10	Last Inspection: 08/05/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 100 yards north of T-Bird overpass, next to IB38			Drain Type: Box	Count: 2	Size: 6 x 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB038	THUNDERBIRD RD AND INDIAN BEND WASH	Coordinates: <i>Latitude</i> 33 ° 36 ' 46 " <i>Longitude</i> -112 ° 0 ' 32 "	Map Number: L-10	Last Inspection: 08/05/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: about 100 yards north of the T-Bird overpass, next to IB 37 and pedestrian bridge			Drain Type: Pipe	Count: 2	Size: 84 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB039	13636 N 34TH PL	Coordinates: <i>Latitude</i> 33 ° 36 ' 39 " <i>Longitude</i> -112 ° 0 ' 28 "	Map Number: L-10	Last Inspection: 08/15/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: On the corner of Voltaire Ave and 34th Place			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
IB040	13614 N 34TH PL	Coordinates: <i>Latitude</i> 33 ° 36 ' 36 " <i>Longitude</i> -112 ° 0 ' 27 "	Map Number: L-10	Last Inspection: 08/15/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Outfall is located at the corner Delcoa Dr and 34th Place.			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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IB041	PRESIDIO RD AND INDIAN BEND WASH								
Coordinates:	<i>Latitude</i> 33 ° 36 ' 33 " <i>Longitude</i> -112 ° 0 ' 28 "	Map Number:	L-10	Last Inspection:	08/15/2013	Last Flow:		Flow:	
Description:				Type:	Concrete				
Instructions:	Presidio Rd and 34th Place, east side of the wash			Drain Type:	Spillway	Count:	1	Size:	30 Feet
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					
IB042	13402 N 35TH ST								
Coordinates:	<i>Latitude</i> 33 ° 36 ' 29 " <i>Longitude</i> -112 ° 0 ' 25 "	Map Number:	L-10	Last Inspection:	08/15/2013	Last Flow:		Flow:	
Description:	Outfall is a spillway from a valley gutter on 35th Street.			Type:	Other				
Instructions:				Drain Type:	Spillway	Count:	1	Size:	30 Feet
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					
IB043	10811 N 52ND ST								
Coordinates:	<i>Latitude</i> 33 ° 35 ' 5 " <i>Longitude</i> -111 ° 58 ' 9 "	Map Number:	K-11	Last Inspection:	07/18/2013	Last Flow:		Flow:	
Description:				Type:	Grassed				
Instructions:	in the center of the 52nd St cul-de-sac			Drain Type:	Spillway	Count:	1	Size:	18 Feet
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					
IB044	11016 N 50TH ST								
Coordinates:	<i>Latitude</i> 33 ° 35 ' 14 " <i>Longitude</i> -111 ° 58 ' 14 "	Map Number:	K-11	Last Inspection:	07/18/2013	Last Flow:		Flow:	
Description:				Type:	Concrete				
Instructions:	Located north or east side of wash, just north of address, spillway between houses at 51 St and 50th St - enter from Cholla			Drain Type:	Spillway	Count:	1	Size:	12 Feet
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					
IB045	4943 E CHOLLA ST								
Coordinates:	<i>Latitude</i> 33 ° 35 ' 24 " <i>Longitude</i> -111 ° 58 ' 27 "	Map Number:	K-11	Last Inspection:	07/18/2013	Last Flow:		Flow:	
Description:				Type:	Concrete				
Instructions:	Corner of 50th St and Cholla St.			Drain Type:	Spillway	Count:	1	Size:	7 Feet
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					
MV001	19TH AVE AND SWEETWATER AVE								
Coordinates:	<i>Latitude</i> 33 ° 36 ' 14 " <i>Longitude</i> -112 ° 5 ' 59 "	Map Number:	L-07	Last Inspection:	09/06/2012	Last Flow:		Flow:	
Description:				Type:	Concrete				
Instructions:	NW corner of bridge			Drain Type:	Pipe	Count:	2	Size:	48 Inches
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance					



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MV002	19TH AVE AND SWEETWATER AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 14 " <i>Longitude</i> -112 ° 5 ' 59 "	Map Number: L-07	Last Inspection: 09/06/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: SW corner of bridge			Drain Type: Pipe	Count: 2	Size: 24 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV004	14TH DR AND SWEETWATER AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 14 " <i>Longitude</i> -112 ° 5 ' 27 "	Map Number: L-08	Last Inspection: 09/06/2012	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: south of Sweetwater between 14th and 15th Ave			Drain Type: Spillway	Count: 1	Size: 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV005	12TH AVE AND THUNDERBIRD RD	Coordinates: <i>Latitude</i> 33 ° 36 ' 27 " <i>Longitude</i> -112 ° 5 ' 16 "	Map Number: L-08	Last Inspection: 09/20/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: SE corner of bridge			Drain Type: Pipe	Count: 1	Size: 54 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV007	7TH ST AND HEARN RD	Coordinates: <i>Latitude</i> 33 ° 36 ' 55 " <i>Longitude</i> -112 ° 3 ' 56 "	Map Number: L-08	Last Inspection: 09/20/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: NW corner of bridge			Drain Type: Pipe	Count: 2	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV010	17TH DR AND SWEETWATER AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 14 " <i>Longitude</i> -112 ° 5 ' 48 "	Map Number: L-07	Last Inspection: 09/06/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Approx. 100 feet west of 17th Dr.			Drain Type: Spillway	Count: 1	Size: 9 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV011	17TH AVE AND SWEETWATER AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 14 " <i>Longitude</i> -112 ° 5 ' 43 "	Map Number: L-07	Last Inspection: 09/06/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: @ the n/side of the intersection			Drain Type: Spillway	Count: 1	Size: 20 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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MV012	16TH DR AND SWEETWATER AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 14 " <i>Longitude</i> -112 ° 5 ' 40 "	Map Number: L-07	Last Inspection: 09/06/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located on the n/side of intersection			Drain Type: Spillway	Count: 1	Size: 20 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV013	16TH AVE AND SWEETWATER AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 14 " <i>Longitude</i> -112 ° 5 ' 37 "	Map Number: L-07	Last Inspection: 09/06/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: located on the n/side of intersection			Drain Type: Spillway	Count: 1	Size: 20 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV014	15TH DR AND SWEETWATER AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 14 " <i>Longitude</i> -112 ° 5 ' 33 "	Map Number: L-07	Last Inspection: 09/06/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located on N/side of intersection			Drain Type: Spillway	Count: 1	Size: 21 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV015	15TH AVE AND SWEETWATER AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 14 " <i>Longitude</i> -112 ° 5 ' 30 "	Map Number: L-07	Last Inspection: 09/06/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located on the n/side of the intersection			Drain Type: Spillway	Count: 1	Size: 18 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV016	13TH LN AND THUNDERBIRD RD	Coordinates: <i>Latitude</i> 33 ° 36 ' 27 " <i>Longitude</i> -112 ° 5 ' 15 "	Map Number: L-08	Last Inspection: 09/20/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North of 13250 N 13th Lane			Drain Type: Spillway	Count: 1	Size: 11 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
MV017	N 3RD AVE AND MV WASH	Coordinates: <i>Latitude</i> 33 ° 36 ' 50 " <i>Longitude</i> 112 ° 4 ' 42 "	Map Number: L8	Last Inspection: 09/20/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: NW corner of bridge			Drain Type: Spillway	Count: 1	Size: 15 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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MV018	N. 3RD AVENUE AND MV WASH								
Coordinates:	<i>Latitude</i> 33 ° 36 ' 50 " <i>Longitude</i> 112 ° 4 ' 42 "	Map Number: L-8	Last Inspection: 09/20/2012						
Description:			Last Flow:		Flow:				
Instructions:	NE corner of bridge		Type: Concrete						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 12 Feet		
MV019	7TH ST. AND E. ROBERTS RD. WEST SIDE OF STREET								
Coordinates:	<i>Latitude</i> 33 ° 39 ' 57 " <i>Longitude</i> -112 ° 1 ' 36 "	Map Number:	Last Inspection:						
Description:			Last Flow:		Flow:				
Instructions:			Type: Metal Pipe						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 60 Inches		
MV020	7TH ST. AND E. ROBERTS RD. WEST SIDE OF STREET.								
Coordinates:	<i>Latitude</i> 33 ° 39 ' 57 " <i>Longitude</i> -112 ° 1 ' 36 "	Map Number:	Last Inspection:						
Description:			Last Flow:		Flow:				
Instructions:			Type: Metal Pipe						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 54 Inches		
NM001	6TH ST AND MOUNTAIN VIEW RD								
Coordinates:	<i>Latitude</i> 33 ° 34 ' 33 " <i>Longitude</i> -112 ° 3 ' 59 "	Map Number:	Last Inspection: 07/01/2011						
Description:	Pipe runs south on 7th, turns SW behind the strip mall, due West along apartment property, outfalls onto Condo property. Condo HOA is responsible for maintenance of wash.		Last Flow:		Flow:				
Instructions:	Must access through gate behind the commercial property to the east. Private property of Villas Sunrise on south side of outfall.		Type: Concrete						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 42 Inches		
NR004	4640 WEST HEYERDAHL COURT								
Coordinates:	<i>Latitude</i> 33 ° 52 ' 21 " <i>Longitude</i> 112 ° 9 ' 40 "	Map Number: U6	Last Inspection: 02/29/2012						
Description:			Last Flow:		Flow:				
Instructions:	Southwest of 46th Dr and Heyerdahl Court		Type: Concrete						
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 2	Size: 40 Inches		



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NR005	N 45TH AVE AND W EMILY DR	Coordinates: <i>Latitude</i> 33 ° 52 ' 43 " <i>Longitude</i> 112 ° 9 ' 27 "	Map Number: u6	Last Inspection: 04/17/2012	
	Description:			Last Flow:	Flow:
	Instructions: W. side of 45th Ave. W. of retention basin at the bottom of the wash.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 2	Size: 40 Inches	
NR006	45TH AVE AND JUDSON DRIVE	Coordinates: <i>Latitude</i> 33 ° 52 ' 35 " <i>Longitude</i> 112 ° 9 ' 29 "	Map Number: U6	Last Inspection: 04/17/2012	
	Description:			Last Flow:	Flow:
	Instructions: N. of 45th Ave and Judson Dr. on the W. side of 45th. W. of the retention basin at the bottom of the wash.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 2	Size: 36 Inches	
OC001	OLD CROSS CUT AND WASHINGTON ST, SOUTH TUNNEL	Coordinates: <i>Latitude</i> 33 ° 26 ' 52 " <i>Longitude</i> -111 ° 58 ' 50 "	Map Number: G-11	Last Inspection: 06/03/2014	
	Description:			Last Flow:	Flow:
	Instructions: East side of southern tunnel, south of the RR and Washington St			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches	
OC002	OLD CROSS CUT AND VAN BUREN ST, SOUTH TUNNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 4 " <i>Longitude</i> -111 ° 58 ' 53 "	Map Number:	Last Inspection: 06/03/2014	
	Description:			Last Flow: 11/04/1994	Flow: 2.00
	Instructions: East side of south tunnel			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 42 Inches	
OC004	46TH ST AND MCDOWELL RD	Coordinates: <i>Latitude</i> 33 ° 28 ' 5 " <i>Longitude</i> -111 ° 58 ' 44 "	Map Number: G-11	Last Inspection: 01/28/2014	
	Description:			Last Flow: 04/04/2012	Flow: 2.00
	Instructions: West tunnel, under short tunnel			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 42 Inches	
OC005	48TH ST AND THOMAS RD	Coordinates: <i>Latitude</i> 33 ° 28 ' 49 " <i>Longitude</i> -111 ° 58 ' 41 "	Map Number: G-11	Last Inspection: 01/29/2014	
	Description:			Last Flow: 01/29/2014	Flow: 2.00
	Instructions: East tunnel, north of Thomas Rd			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches	



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OC006	48TH ST AND EARLL DR	Coordinates: <i>Latitude</i> 33 ° 29 ' 1 " <i>Longitude</i> -111 ° 58 ' 41 "	Map Number: G-11	Last Inspection: 01/28/2014	
	Description:			Last Flow: 05/11/2006	Flow: 2.00
	Instructions: East tunnel, 200 feet south of manhole #14, larger of 2 outfalls under OC83			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 52 Inches	
OC007	48TH ST AND INDIAN SCHOOL RD	Coordinates: <i>Latitude</i> 33 ° 29 ' 37 " <i>Longitude</i> -111 ° 58 ' 41 "	Map Number: H-11	Last Inspection: 01/28/2014	
	Description:			Last Flow:	Flow:
	Instructions: West tunnel, 250 feet south of tunnel end			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches	
OC008	46TH ST AND MCDOWELL RD	Coordinates: <i>Latitude</i> 33 ° 27 ' 56 " <i>Longitude</i> -111 ° 58 ' 51 "	Map Number: G-11	Last Inspection: 01/28/2014	
	Description:			Last Flow: 04/04/2012	Flow: 626.00
	Instructions: East tunnel, short tunnel under McDowell Rd			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 54 Inches	
OC022	48TH ST AND OAK ST	Coordinates: <i>Latitude</i> 33 ° 28 ' 23 " <i>Longitude</i> -111 ° 58 ' 42 "	Map Number:	Last Inspection: 01/28/2014	
	Description:			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 48 Inches	
OC028	48TH ST AND INDIAN SCHOOL RD	Coordinates: <i>Latitude</i> 33 ° 29 ' 46 " <i>Longitude</i> -111 ° 58 ' 39 "	Map Number: H-11	Last Inspection: 01/28/2014	
	Description:			Last Flow: 12/01/1994	Flow: 6,944.00
	Instructions: Not in tunnel, just south of the SRP Control Gate			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 5 Feet	
OC039	46TH STREET AND ROOSEVELT STREET - OLD CROSS CUT	Coordinates: <i>Latitude</i> 33 ° 27 ' 29 " <i>Longitude</i> -111 ° 58 ' 56 "	Map Number:	Last Inspection: 05/16/2014	
	Description: OC040 was associated with this MCFCD channel but was eliminated			Last Flow: 11/04/1994	Flow: 1.00
	Instructions: East wall of OCC, under the SR202 at 46th St south of Roosevelt Street. Two 6x5 foot box culverts			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Box	Count: 2	Size: 6 x 5 Feet	



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OC053	48TH ST AND OSBORN RD	Coordinates: <i>Latitude</i> 33 ° 29 ' 13 " <i>Longitude</i> -111 ° 58 ' 41 "	Map Number: H-11	Last Inspection: 01/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: West tunnel, north of manhole #16 / Osborn Rd			Drain Type: Pipe	Count: 1	Size: 52 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
OC054	48TH ST AND OSBORN RD	Coordinates: <i>Latitude</i> 33 ° 29 ' 14 " <i>Longitude</i> -111 ° 58 ' 41 "	Map Number: H-11	Last Inspection: 01/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: West tunnel, past manhole #16			Drain Type: Box	Count: 1	Size: 8 x 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
OC055	48TH ST AND WELDON AVE	Coordinates: <i>Latitude</i> 33 ° 29 ' 24 " <i>Longitude</i> -111 ° 58 ' 41 "	Map Number: H-11	Last Inspection: 01/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: East tunnel, north of Weldon with pass-through			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
OC062	48TH ST AND THOMAS RD	Coordinates: <i>Latitude</i> 33 ° 28 ' 44 " <i>Longitude</i> -111 ° 58 ' 41 "	Map Number: G-11	Last Inspection: 01/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: East tunnel, south of Thomas Rd, 300 feet north of manhole #10			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
OC072	OLD CROSS CUT AND GRANADA	Coordinates: <i>Latitude</i> 33 ° 28 ' 5 " <i>Longitude</i> -111 ° 58 ' 41 "	Map Number: G-11	Last Inspection: 01/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: East tunnel, 25 feet south of manhole #2, at Granada			Drain Type: Pipe	Count: 1	Size: 42 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
OC073	47TH ST AND MELVIN ST	Coordinates: <i>Latitude</i> 33 ° 27 ' 7 " <i>Longitude</i> -111 ° 58 ' 53 "	Map Number: F-11	Last Inspection: 03/07/2014	Last Flow:	Flow:
	Description:			Type: Grassed		
	Instructions: Located at the junction of street and alley - across from 325 N 47th St.			Drain Type: Spillway	Count: 1	Size: 13 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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OC074	46TH ST AND TAYLOR ST	Coordinates: <i>Latitude</i> 33 ° 27 ' 14 " <i>Longitude</i> -111 ° 58 ' 55 "	Map Number: F-11	Last Inspection: 03/07/2014	
	Description:			Last Flow:	Flow:
	Instructions: Located west of 4620 E Taylor St			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 28 Feet	
OC075	46TH ST AND TAYLOR ST	Coordinates: <i>Latitude</i> 33 ° 27 ' 15 " <i>Longitude</i> -111 ° 58 ' 55 "	Map Number: F-11	Last Inspection: 03/07/2014	
	Description:			Last Flow:	Flow:
	Instructions: Located @ the alley behind 4620 E Taylor St - 50 feet North of OC74			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 12 Feet	
OC076	46TH ST AND FILLMORE ST	Coordinates: <i>Latitude</i> 33 ° 27 ' 17 " <i>Longitude</i> -111 ° 58 ' 55 "	Map Number: F-11	Last Inspection: 03/07/2014	
	Description:			Last Flow:	Flow:
	Instructions: Located @ end of street next to 4613 E Fillmore			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 29 Feet	
OC077	46TH ST AND PIERCE ST	Coordinates: <i>Latitude</i> 33 ° 27 ' 20 " <i>Longitude</i> -111 ° 58 ' 56 "	Map Number: F-11	Last Inspection: 03/07/2014	
	Description:			Last Flow:	Flow:
	Instructions: Located at end of street next to 4614 E Pierce St.			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 30 Feet	
OC078	46TH ST AND MCKINLEY ST	Coordinates: <i>Latitude</i> 33 ° 27 ' 22 " <i>Longitude</i> -111 ° 58 ' 56 "	Map Number: F-11	Last Inspection: 03/07/2014	
	Description:			Last Flow:	Flow:
	Instructions: Located at the curve of the street - next to 4613 E McKinley St.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 27 Feet	
OC083	48TH ST AND EARLL DR	Coordinates: <i>Latitude</i> 33 ° 29 ' 1 " <i>Longitude</i> -111 ° 58 ' 41 "	Map Number: G-11	Last Inspection: 01/28/2014	
	Description: 100 ft spillway			Last Flow:	Flow:
	Instructions: East tunnel, large spillway above culvert.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size:	



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PD001	91ST AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 49 " <i>Longitude</i> -112 ° 15 ' 20 "	Map Number:	Last Inspection: 04/07/2014	
	Description:			Last Flow:	Flow:
	Instructions: west side of bridge			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
PD002	83RD AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 47 " <i>Longitude</i> -112 ° 45 ' 42 "	Map Number: F-03	Last Inspection: 04/07/2014	
	Description:			Last Flow: 06/09/2004	Flow: 1.00
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
PD003	75TH AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 37 ' 49 " <i>Longitude</i> -112 ° 13 ' 15 "	Map Number: G-04	Last Inspection: 05/22/2014	
	Description:			Last Flow: 05/02/2013	Flow: 7.90
	Instructions: Located at the NW corner of 75th and PD.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
PD004	67TH AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 49 " <i>Longitude</i> -112 ° 12 ' 13 "	Map Number: G-04	Last Inspection: 04/07/2014	
	Description:			Last Flow: 05/08/2000	Flow: 10.00
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
PD005	59TH AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 50 " <i>Longitude</i> -112 ° 48 ' 46 "	Map Number: G-05	Last Inspection: 04/07/2014	
	Description:			Last Flow: 05/10/2004	Flow: 200.00
	Instructions: On the north side of the channel, west of 59th Ave			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
PD006	51ST AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 50 " <i>Longitude</i> -112 ° 10 ' 10 "	Map Number: G-05	Last Inspection: 04/07/2014	
	Description:			Last Flow: 05/08/2000	Flow: 5.00
	Instructions: ADOT is responsible for all maintenance			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 84 Inches	



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PD007	43RD AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 45 " <i>Longitude</i> -112 ° 9 ' 6 "	Map Number:	Last Inspection: 05/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side of culvert			Drain Type: Pipe	Count: 1	Size: 96 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PD008	43RD AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 45 " <i>Longitude</i> -112 ° 9 ' 4 "	Map Number:	Last Inspection: 05/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side of box culvert			Drain Type: Pipe	Count: 1	Size: 54 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PD009	39TH AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 44 " <i>Longitude</i> -112 ° 8 ' 35 "	Map Number:	Last Inspection: 05/29/2014	Last Flow: 05/29/2014	Flow: 100.00
	Description:			Type: Concrete		
	Instructions: North side of box culvert			Drain Type: Pipe	Count: 1	Size: 78 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PD010	35TH AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 34 ' 19 " <i>Longitude</i> -112 ° 8 ' 1 "	Map Number:	Last Inspection: 05/28/2014	Last Flow: 05/23/2000	Flow: 3.00
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 1	Size: 54 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PD011	31ST AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 44 " <i>Longitude</i> -112 ° 7 ' 33 "	Map Number:	Last Inspection: 12/13/2013	Last Flow: 05/26/2000	Flow: 4.00
	Description:			Type: Concrete		
	Instructions:			Drain Type: Box	Count: 1	Size: 10 x 4 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PD014	31ST AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 44 " <i>Longitude</i> -112 ° 7 ' 33 "	Map Number:	Last Inspection: 05/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: about 50 feet west of PD11			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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PD015	32ND AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 45 " <i>Longitude</i> -112 ° 7 ' 38 "	Map Number:	Last Inspection: 12/13/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: west of PD11, best entered from 2nd grate on 32nd Ave. About 255 ft west of entry. This is a split channel; must be south of dividing wall to conduct inspection.					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 40 Inches		
PD016	34TH AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 47 " <i>Longitude</i> -112 ° 7 ' 54 "	Map Number:	Last Inspection: 05/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: About 180 ft of PD 010, west of PD11, south side of channel					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 42 Inches		
PD017	43RD AVE AND PAPAGO DIVERSION CHANNEL	Coordinates: <i>Latitude</i> 33 ° 27 ' 46 " <i>Longitude</i> -112 ° 9 ' 7 "	Map Number:	Last Inspection: 05/28/2014	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Three 18 inch pipes from one source. SW side of 43rd?					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 3	Size: 18 Inches		
PD023	2901 W CULVER ST IN PAPAGO DIVERSION	Coordinates: <i>Latitude</i> 33 ° 27 ' 47 " <i>Longitude</i> -112 ° 7 ' 17 "	Map Number: G-7	Last Inspection: 04/07/2014	Last Flow:	Flow:
	Description: 29th Ave and Culver St			Type: Concrete		
	Instructions: Can be seen from inside the culvert or from above.					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 14 Feet		
PV001	33RD ST AND LINCOLN DR	Coordinates: <i>Latitude</i> 33 ° 31 ' 55 " <i>Longitude</i> -112 ° 0 ' 42 "	Map Number: I-10	Last Inspection: 10/09/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: South side of East Lincoln Dr					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches		
PV002	34TH ST AND LINCOLN DR	Coordinates: <i>Latitude</i> 33 ° 31 ' 54 " <i>Longitude</i> -112 ° 0 ' 34 "	Map Number: I-10	Last Inspection: 09/26/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: South side of E. Lincoln Dr at the west end of fence					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 48 Inches		



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PV004	35TH ST AND LINCOLN DR	Coordinates: <i>Latitude</i> 33 ° 31 ' 55 " <i>Longitude</i> -112 ° 0 ' 24 "	Map Number: I-10	Last Inspection: 09/26/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: South side of E Lincoln Dr - at the end of fence w/oleanders			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PV005	35TH PL AND LINCOLN DR	Coordinates: <i>Latitude</i> 33 ° 31 ' 55 " <i>Longitude</i> -112 ° 0 ' 19 "	Map Number: I-10	Last Inspection: 09/26/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: South side of E Lincoln Dr at bottom of wash			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PV006	3636 E LINCOLN DR	Coordinates: <i>Latitude</i> 33 ° 31 ' 55 " <i>Longitude</i> -112 ° 0 ' 10 "	Map Number: I-10	Last Inspection: 10/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side of Lincoln Dr and approx 36th Street			Drain Type: Pipe	Count: 1	Size: 5 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PV007	3762 E LINCOLN DR	Coordinates: <i>Latitude</i> 33 ° 31 ' 55 " <i>Longitude</i> -111 ° 59 ' 59 "	Map Number: I-10	Last Inspection: 10/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side of Lincoln Dr - East of drive way at lift station. West of 3800 Lincoln			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PV008	3843 E LINCOLN DR	Coordinates: <i>Latitude</i> 33 ° 31 ' 55 " <i>Longitude</i> -111 ° 59 ' 50 "	Map Number: I-10	Last Inspection: 10/18/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Inside fence on east side of drive way			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
PV009	3865 E LINCOLN DR	Coordinates: <i>Latitude</i> 33 ° 31 ' 53 " <i>Longitude</i> -111 ° 59 ' 47 "	Map Number: I-10	Last Inspection: 10/18/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: South side of Lincoln Dr - along west side of fence			Drain Type: Pipe	Count: 1	Size: 75 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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PV010	35TH PLACE AND LINCOLN DR	Coordinates: <i>Latitude</i> 33 ° 31 ' 55 " <i>Longitude</i> -112 ° 0 ' 19 "	Map Number: I-10	Last Inspection: 09/26/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Half way between 35th St and 36th St			Drain Type: Spillway	Count: 1	Size: 7 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC001	56TH AVE AND UNION HILLS DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 19 " <i>Longitude</i> -112 ° 10 ' 45 "	Map Number: M-05	Last Inspection: 04/23/2012	Last Flow: 09/22/1994	Flow: 20,664.00
	Description:			Type: Concrete		
	Instructions: Outfall on south side of creek bank, north of Union Hills			Drain Type: Box	Count: 1	Size: 10x11 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC002	51ST AVE AND PIUTE AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 44 " <i>Longitude</i> -112 ° 10 ' 9 "	Map Number: N-05	Last Inspection: 12/23/2011	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions: Outfall on north side of wash, northwest corner of bridge			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC006	19432 N 50TH AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 46 " <i>Longitude</i> -112 ° 10 ' 5 "	Map Number: N-05	Last Inspection: 01/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side of wash, south of address - spillway from detention basin			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC008	19653 N 48TH LN	Coordinates: <i>Latitude</i> 33 ° 39 ' 49 " <i>Longitude</i> -112 ° 9 ' 52 "	Map Number: N-05	Last Inspection: 01/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Outfall on north side of wash, southwest of address. Flow from 48th Lane			Drain Type: Spillway	Count: 1	Size: 16 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC009	19623 N 48TH AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 49 " <i>Longitude</i> -112 ° 9 ' 46 "	Map Number: N-05	Last Inspection: 04/24/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Center of wash -drains neighborhood from north and south, south side of wash			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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SC010	47TH DR AND BEHREND DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 52 " <i>Longitude</i> -112 ° 9 ' 43 "	Map Number: N-05	Last Inspection: 01/09/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side of wash - midway between 47th Ln and Dr			Drain Type: Spillway	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC012	4790 W ORAIBI DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 44 " <i>Longitude</i> 112 ° 9 ' 52 "	Map Number: N-05	Last Inspection: 12/23/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Outfall on south side of wash in neighborhood easement			Drain Type: Spillway	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC013	19634 N 47TH DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 50 " <i>Longitude</i> -112 ° 9 ' 40 "	Map Number: N-05	Last Inspection: 12/23/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Outfall on south side of wash at end of 47th Dr cul-de-sac, PAM on western wing wall. Level with Wikieup Ln			Drain Type: Spillway	Count: 1	Size: 4 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC014	19640 N 47TH AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 51 " <i>Longitude</i> -112 ° 9 ' 37 "	Map Number: N-06	Last Inspection: 11/18/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Outfall on south side of wash, at end of 47th Ave cul-de-sac. Level with Wickiup Dr. PAM on western wing wall			Drain Type: Pipe	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC015	46TH DR AND BEHREND DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 54 " <i>Longitude</i> -112 ° 9 ' 37 "	Map Number: N-05	Last Inspection: 11/18/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: North side of wash - midway between 46th Dr and 47th Ave			Drain Type: Pipe	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC016	19810 N 46TH AVE	Coordinates: <i>Latitude</i> 33 ° 39 ' 58 " <i>Longitude</i> -112 ° 9 ' 33 "	Map Number: N-06	Last Inspection: 11/18/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Outfall on north side of creek, end of 46th Ave cul-de-sac level with Marco Polo. PAM on east side of spillway			Drain Type: Pipe	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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SC017	19828 N 45TH LN	Coordinates: <i>Latitude</i> 33 ° 39 ' 58 " <i>Longitude</i> 112 ° 9 ' 31 "	Map Number: N-06	Last Inspection: 11/18/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Outfall is west of this address on the east side of the wash			Drain Type: Spillway	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC022	2749 W DARIEN WAY	Coordinates: <i>Latitude</i> 33 ° 48 ' 10 " <i>Longitude</i> -112 ° 7 ' 12 "	Map Number: S-07	Last Inspection: 12/08/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: west end of darien way cul-de-sac			Drain Type: Spillway	Count: 1	Size: 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC023	27TH CT AND FLORIMOND RD	Coordinates: <i>Latitude</i> 33 ° 48 ' 13 " <i>Longitude</i> -112 ° 7 ' 13 "	Map Number: S-07	Last Inspection: 12/08/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Outfall is west of 2751 W Florimond Rd			Drain Type: Spillway	Count: 1	Size: 50 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC024	27TH LN AND VIA AQUILA	Coordinates: <i>Latitude</i> 33 ° 48 ' 26 " <i>Longitude</i> -112 ° 7 ' 11 "	Map Number: S-07	Last Inspection: 12/08/2011	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: Outfall is on the east side of Via Aguila Rd			Drain Type: Box	Count: 1	Size: 4 x 2 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC025	27TH LN AND VIA AQUILA, WEST SIDE	Coordinates: <i>Latitude</i> 33 ° 48 ' 26 " <i>Longitude</i> -112 ° 7 ' 12 "	Map Number: S-07	Last Inspection: 12/08/2011	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: West side of rd around curve from 2726 W Aguila Rd			Drain Type: Box	Count: 1	Size: 4 x 2 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC027	CAREFREE HWY AND 27TH DR	Coordinates: <i>Latitude</i> 33 ° 47 ' 55 " <i>Longitude</i> -112 ° 7 ' 6 "	Map Number: S-07	Last Inspection: 12/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Northwest corner of intersection			Drain Type: Pipe	Count: 2	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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SC031	35TH DR AND SOFT WIND DR	Coordinates: <i>Latitude</i> 33 ° 42 ' 6 " <i>Longitude</i> -112 ° 8 ' 8 "	Map Number: O-06	Last Inspection: 04/23/2012	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions:			Drain Type: Pipe	Count: 2	Size: 30 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC032	20659 N 41ST LN	Coordinates: <i>Latitude</i> 33 ° 40 ' 28 " <i>Longitude</i> -112 ° 8 ' 55 "	Map Number: N-06	Last Inspection: 04/17/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 18 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC033	20669 N 41ST LN	Coordinates: <i>Latitude</i> 33 ° 40 ' 29 " <i>Longitude</i> -112 ° 8 ' 55 "	Map Number: N-06	Last Inspection: 04/17/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 17 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC034	20657 N 42ND AVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 28 " <i>Longitude</i> -112 ° 8 ' 58 "	Map Number: N-06	Last Inspection: 04/17/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 18 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC035	20622 N 42ND AVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 23 " <i>Longitude</i> -112 ° 8 ' 59 "	Map Number: N-06	Last Inspection: 04/17/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 17 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC036	20670 N 41ST AVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 29 " <i>Longitude</i> -112 ° 8 ' 52 "	Map Number: N-06	Last Inspection: 04/17/2012	Last Flow:	Flow:
	Description:			Type: Rock		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 45 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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SC037	SC WASH AND SR101 FRONTAGE RD	Coordinates: <i>Latitude</i> 33 ° 40 ' 12 " <i>Longitude</i> -112 ° 9 ' 4 "	Map Number: N-06	Last Inspection: 04/30/2013	Last Flow:	Flow:
	Description: Just west from 42nd Ave. and north of SR101.			Type: Concrete		
	Instructions: Northeast corner of wash and west bound SR101 frontage road			Drain Type: Pipe	Count: 2	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC040	VIA PUZZOLA AND VIA DEL DESERTO	Coordinates: <i>Latitude</i> 33 ° 48 ' 32 " <i>Longitude</i> -112 ° 7 ' 18 "	Map Number:	Last Inspection: 12/12/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 1 block (180 feet) southeast of Via Puzzola - at the main channel in the wash			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC043	2761 W VIA CALABRIA	Coordinates: <i>Latitude</i> 33 ° 47 ' 58 " <i>Longitude</i> 112 ° 7 ' 12 "	Map Number: S-07	Last Inspection: 12/09/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: spillway in area of road NW of address			Drain Type: Spillway	Count: 1	Size: 19 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC044	35TH AVE AND PARKSIDE LN	Coordinates: <i>Latitude</i> 33 ° 41 ' 38 " <i>Longitude</i> 112 ° 8 ' 4 "	Map Number: O-06	Last Inspection: 10/22/2009	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: west side of intersection			Drain Type: Pipe	Count: 5	Size: 35 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC046	35206 N 27TH DRIVE	Coordinates: <i>Latitude</i> 33 ° 48 ' 12 " <i>Longitude</i> -112 ° 7 ' 7 "	Map Number: S 07	Last Inspection: 12/09/2011	Last Flow:	Flow:
	Description: Site will be a sampling station and replaces 4 smaller outfalls upstream. Wash to east and west is natural.			Type: Concrete		
	Instructions: Box culvert with multiple streams entering from the northeast. This is a sampling site. Southwest of house at 35206 N 27th			Drain Type: Pipe	Count: 3	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input checked="" type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SC048	W OBERLIN WAY AND N 26TH AVE	Coordinates: <i>Latitude</i> 33 ° 44 ' 12 " <i>Longitude</i> 112 ° 6 ' 53 "	Map Number: P-7	Last Inspection: 05/07/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: South of intersection on west side of road			Drain Type: Spillway	Count: 1	Size: 32 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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SC049	PINNACLE PEACK ROAD AND 40TH LANE	Coordinates: <i>Latitude</i> 33 ° 41 ' 53 " <i>Longitude</i> 112 ° 8 ' 50 "	Map Number:	Last Inspection: 01/22/2015	
	Description: (4) 60" pipes.			Last Flow:	Flow:
	Instructions: South side of pinnacle peak Road at 40th Lane there are (4) 60" pipes.			Type: Metal Pipe	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 4	Size: 62 Inches	
SC050	SOUTH SIDE OF PINNACLE PEAK ROAD AT 40TH LANE.	Coordinates: <i>Latitude</i> 33 ° 41 ' 53 " <i>Longitude</i> 112 ° 8 ' 51 "	Map Number:	Last Inspection: 01/22/2015	
	Description:			Last Flow:	Flow:
	Instructions: (3) 60" pipes			Type: Metal Pipe	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 3	Size: 60 Inches	
SR001	51ST AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 31 " <i>Longitude</i> -112 ° 10 ' 10 "	Map Number: E-05	Last Inspection: 03/11/2015	
	Description:			Last Flow: 06/19/1995	Flow: 3.00
	Instructions: North side of river, West side of the 51st Ave bridge			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 96 Inches	
SR002	43RD AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 44 " <i>Longitude</i> -112 ° 9 ' 6 "	Map Number: E-06	Last Inspection: 03/12/2015	
	Description:			Last Flow: 03/12/2015	Flow: 50.73
	Instructions: North side of the river, West side of 43rd Ave, PAM located on sidewalk			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
SR003	35TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 43 " <i>Longitude</i> -112 ° 8 ' 5 "	Map Number: E-06	Last Inspection: 03/25/2015	
	Description: concrete pipe			Last Flow: 03/25/2015	Flow: 25.00
	Instructions: North side of river, West of bridge on 35th Ave., South of Elwood Street. Need the SWM key to open the gate. Wet weather sampling/monitoring station.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input checked="" type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 75 Inches	



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SR004	27TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 3 " <i>Longitude</i> -112 ° 7 ' 1 "	Map Number: E-07	Last Inspection: 03/25/2015	
	Description:			Last Flow: 03/25/2015	Flow: 1.00
	Instructions: North side of river, and 1 block South of the city recycle station main entrance on east side of station			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches	
SR005	25TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 0 " <i>Longitude</i> -112 ° 6 ' 47 "	Map Number: E-07	Last Inspection: 03/24/2015	
	Description:			Last Flow: 11/05/2004	Flow: 2.00
	Instructions: north side of river, enter through the 27th Ave recycle center. Locked gate (storm water key needed) just before the recycle center entrance on the east side of the road.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 102 Inches	
SR006	22ND AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 7 " <i>Longitude</i> -112 ° 6 ' 24 "	Map Number: E-07	Last Inspection: 03/24/2015	
	Description:			Last Flow: 06/06/2013	Flow: 120.00
	Instructions: North side of river, entry to the site through city yard, South of Lower Buckeye			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches	
SR007	19TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 39 " <i>Longitude</i> -112 ° 5 ' 59 "	Map Number: E-07	Last Inspection: 04/09/2015	
	Description:			Last Flow: 04/09/2015	Flow: 0.25
	Instructions: North side of river at northwest corner of bridge - access through Rinker, Inc (cement company).			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 54 Inches	
SR008	15TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 53 " <i>Longitude</i> -112 ° 5 ' 27 "	Map Number: E-07	Last Inspection: 04/08/2015	
	Description:			Last Flow: 08/08/2000	Flow: 2,895.00
	Instructions: north side of river next to SR63 at the south end of the 19th Avenue landfill			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 96 Inches	



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SR009	11TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 14 " <i>Longitude</i> -112 ° 5 ' 17 "	Map Number: E-08	Last Inspection: 04/09/2015	
	Description:			Last Flow: 10/23/1997	Flow: 1.00
	Instructions: north side of the river. Access through the Rio Salado landfill			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 81 Inches
SR010	7TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 10 " <i>Longitude</i> -112 ° 4 ' 56 "	Map Number: E-08	Last Inspection: 04/10/2015	
	Description:			Last Flow: 04/10/2015	Flow: 1.00
	Instructions: north side			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 54 Inches
SR012	CENTRAL AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 24 " <i>Longitude</i> -112 ° 4 ' 26 "	Map Number: E-08	Last Inspection: 05/11/2015	
	Description:			Last Flow: 03/04/2005	Flow: 2.00
	Instructions: North side of river, on the west wing wall of the ADOT structure			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 42 Inches
SR013	CENTRAL AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 25 " <i>Longitude</i> -112 ° 4 ' 25 "	Map Number: E-08	Last Inspection: 04/07/2015	
	Description:			Last Flow: 06/18/2013	Flow: 270.00
	Instructions: North side of river, the ADOT tunnel			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Box	Count: 1 Size: 10 x 21 Feet
SR014	3RD ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 2 " <i>Longitude</i> -112 ° 4 ' 1 "	Map Number: E-08	Last Inspection: 04/15/2015	
	Description:			Last Flow: 04/15/2015	Flow: 0.05
	Instructions: north side (261 E. University Dr.)			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 2 Size: 36 Inches
SR015	3RD ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 21 " <i>Longitude</i> -112 ° 4 ' 10 "	Map Number: E-08	Last Inspection: 04/15/2015	
	Description:			Last Flow: 04/15/2015	Flow: 0.50
	Instructions: north side of Salt River, enter off Central Ave into Rio Salado Park and follow the path to the east			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 84 Inches



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SR016	10TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 18 " <i>Longitude</i> -112 ° 3 ' 37 "	Map Number: E-07	Last Inspection: 04/15/2015	
	Description:			Last Flow:	Flow:
	Instructions: north side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 54 Inches
SR017	12TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 16 " <i>Longitude</i> -112 ° 3 ' 22 "	Map Number: E-08	Last Inspection: 04/15/2015	
	Description:			Last Flow: 01/06/1998	Flow: 1.00
	Instructions: north side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 96 Inches
SR018	16TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 11 " <i>Longitude</i> -112 ° 2 ' 54 "	Map Number: E-09	Last Inspection: 01/05/2015	
	Description:			Last Flow: 11/17/2004	Flow: 3.00
	Instructions: north side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 66 Inches
SR019	20TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 13 " <i>Longitude</i> -112 ° 2 ' 21 "	Map Number: E-09	Last Inspection: 04/07/2015	
	Description:			Last Flow: 06/25/2013	Flow: 300.00
	Instructions: North side of river. Enter on 24th Street between Magnolia St. and river. Turn west on abandoned railroad track (looks like gravel alley). Flow to tunnel at 20th Street.			Type: Other	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Box	Count: 1 Size: 10 x 21 Feet
SR020	24TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 6 " <i>Longitude</i> -112 ° 1 ' 49 "	Map Number: E-08	Last Inspection: 06/16/2015	
	Description:			Last Flow: 06/16/2015	Flow: 150.00
	Instructions: North side of river, west of 24th Street. Outfall is just south of East Riverview Drive. Aviation # A-1			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance			Drain Type: Pipe	Count: 1 Size: 84 Inches



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SR024	28TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 13 " <i>Longitude</i> -112 ° 1 ' 6 "	Map Number: E-10	Last Inspection: 05/07/2015	
	Description:			Last Flow: 03/29/1994	Flow: 3.00
	Instructions: north side of river. Aviation # A-2			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
SR026	37TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 37 " <i>Longitude</i> -112 ° 0 ' 19 "	Map Number: E-10	Last Inspection: 05/12/2015	
	Description:			Last Flow:	Flow:
	Instructions: north side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 42 Inches	
SR027	36TH ST AND SALT RIVER, UNDER SKY HARBOR	Coordinates: <i>Latitude</i> 33 ° 25 ' 39 " <i>Longitude</i> -112 ° 0 ' 4 "	Map Number: E-10	Last Inspection: 05/15/2015	
	Description:			Last Flow: 05/15/2015	Flow: 25.00
	Instructions: north side of river. This outfall was combined with SR28 in May 2011. Location, lat/long and size changed.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 82 Inches	
SR029	47TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 26 ' 0 " <i>Longitude</i> -111 ° 58 ' 53 "	Map Number: E-11	Last Inspection: 05/15/2015	
	Description:			Last Flow: 05/15/2015	Flow: 1.00
	Instructions: north side, west side of bridge			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 78 Inches	
SR030	27TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 31 " <i>Longitude</i> -112 ° 6 ' 59 "	Map Number: E-07	Last Inspection: 03/23/2015	
	Description:			Last Flow:	Flow:
	Instructions: South side of river, North of Broadway Rd at 27th Ave. 27th Ave deadends and the outfall is west of and behind the auto salvage yard at 2630 W Broadway Rd. Wet weather sampling/monitoring station. DO NOT DISTURB THE SAMPLING EQUIPMENT OR TUBING.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input checked="" type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 108 Inches	



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SR031	19TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 35 " <i>Longitude</i> -112 ° 5 ' 59 "	Map Number: E-07	Last Inspection: 04/06/2015	
	Description:			Last Flow: 08/08/2000	Flow: 211.00
	Instructions: southwest corner of bridge, at end of cul-de-sac (4050 S. 19th Ave)			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 60 Inches	
SR032	7TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 59 " <i>Longitude</i> -112 ° 4 ' 56 "	Map Number: E-08	Last Inspection: 04/10/2015	
	Description:			Last Flow: 04/10/2015	Flow: 4.00
	Instructions: south side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches	
SR033	CENTRAL AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 15 " <i>Longitude</i> -112 ° 4 ' 25 "	Map Number: E-08	Last Inspection: 04/14/2015	
	Description:			Last Flow: 05/07/2002	Flow: 2.00
	Instructions: south side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 66 Inches	
SR035	7TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 13 " <i>Longitude</i> -112 ° 3 ' 54 "	Map Number: E-08	Last Inspection: 04/17/2015	
	Description:			Last Flow: 04/17/2015	Flow: 100.00
	Instructions: south side			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches	
SR036	15TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 4 " <i>Longitude</i> -112 ° 2 ' 59 "	Map Number: E-08	Last Inspection: 05/07/2015	
	Description:			Last Flow: 11/20/2001	Flow: 5.00
	Instructions: South side			Type: Metal Pipe	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches	
SR037	16TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 3 " <i>Longitude</i> -112 ° 2 ' 56 "	Map Number: E-08	Last Inspection: 05/07/2015	
	Description:			Last Flow: 04/05/1995	Flow: 694.00
	Instructions: south side, 400 feet west of 16th Street			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches	



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SR038	24TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 55 " <i>Longitude</i> -112 ° 1 ' 49 "	Map Number: E-09	Last Inspection: 04/08/2015	
	Description:			Last Flow: 05/14/2002	Flow: 2.00
	Instructions: south side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches	
SR039	28TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 59 " <i>Longitude</i> -112 ° 1 ' 15 "	Map Number: E-10	Last Inspection: 05/07/2015	
	Description:			Last Flow: 11/19/2001	Flow: 5.00
	Instructions: south side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 96 Inches	
SR045	40TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 34 " <i>Longitude</i> -111 ° 59 ' 43 "	Map Number: E-10	Last Inspection: 05/07/2015	
	Description:			Last Flow: 09/23/1994	Flow: 2.00
	Instructions: south side, east side of 40th. Wet weather sampling / monitoring station.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input checked="" type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 54 Inches	
SR046	7TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 17 " <i>Longitude</i> -112 ° 3 ' 54 "	Map Number: E-08	Last Inspection: 04/16/2015	
	Description: North of river west of 7th street.			Last Flow: 04/04/1995	Flow: 1.00
	Instructions: North side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 24 Inches	
SR048	45TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 44 " <i>Longitude</i> -111 ° 59 ' 5 "	Map Number: F-11	Last Inspection: 05/12/2015	
	Description:			Last Flow:	Flow:
	Instructions: south side			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 48 Inches	
SR049	67TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 1 " <i>Longitude</i> -112 ° 12 ' 15 "	Map Number:	Last Inspection: 03/10/2015	
	Description:			Last Flow: 02/10/1994	Flow: 3.00
	Instructions: North side of river, West side of 67th. Wet weather sampling/monitoring station.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input checked="" type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 96 Inches	



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SR052	52ND ST AND HOHOKAM FRWY	Coordinates: <i>Latitude</i> 33 ° 26 ' 27 " <i>Longitude</i> -111 ° 58 ' 9 "	Map Number: F-11	Last Inspection: 01/29/2015	
	Description:			Last Flow: 01/29/2015	Flow: 20.00
	Instructions: 52nd Street and the Red Mountain Freeway, south of the canal and north of the Salt River.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Box	Count: 1	Size: 8 x 5 Feet	
SR056	28TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 11 " <i>Longitude</i> -112 ° 1 ' 11 "	Map Number: E-09	Last Inspection: 05/07/2015	
	Description:			Last Flow:	Flow:
	Instructions: Located on the west side of the I-10 Fwy			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches	
SR059	25TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 0 " <i>Longitude</i> -112 ° 8 ' 4 "	Map Number: E-07	Last Inspection: 03/24/2015	
	Description:			Last Flow: 05/14/2002	Flow: 2.00
	Instructions: on east side of SR05, drains the 23rd Ave WWTP			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 60 Inches	
SR061	32ND ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 23 " <i>Longitude</i> -112 ° 0 ' 47 "	Map Number: E-10	Last Inspection: 06/16/2015	
	Description:			Last Flow: 06/16/2015	Flow: 250.00
	Instructions: north side			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Box	Count: 2	Size: 7 x 5 Feet	
SR062	38TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 39 " <i>Longitude</i> -112 ° 0 ' 4 "	Map Number: E-10	Last Inspection: 05/12/2015	
	Description:			Last Flow:	Flow:
	Instructions: north side Aviation# A-9			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 60 Inches	
SR063	15TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 53 " <i>Longitude</i> -112 ° 5 ' 27 "	Map Number: E-07	Last Inspection: 04/08/2015	
	Description:			Last Flow:	Flow:
	Instructions: north side of river next to SR08 at south end of 19th Avenue landfill			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 60 Inches	



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SR064	19TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 41 " <i>Longitude</i> -112 ° 5 ' 56 "	Map Number: E-07	Last Inspection: 04/06/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SR068	28TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 14 " <i>Longitude</i> -112 ° 1 ' 6 "	Map Number: E-10	Last Inspection: 05/15/2015	Last Flow: 05/15/2015	Flow: 2.00
	Description:			Type: Other		
	Instructions: North side, 15 feet East of SR24			Drain Type: Box	Count: 1	Size: 8 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SR069	31ST ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 22 " <i>Longitude</i> -112 ° 0 ' 51 "	Map Number: E-10	Last Inspection: 05/12/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side - Air National Guard			Drain Type: Pipe	Count: 1	Size: 60 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SR070	33RD ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 24 " <i>Longitude</i> -112 ° 0 ' 44 "	Map Number: E-10	Last Inspection: 05/12/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side - Air National Guard Aviation# A-6			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SR071	33RD ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 28 " <i>Longitude</i> -112 ° 0 ' 37 "	Map Number: E-10	Last Inspection: 05/12/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side - Air National Guard			Drain Type: Pipe	Count: 1	Size: 60 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SR072	45TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 52 " <i>Longitude</i> -111 ° 59 ' 12 "	Map Number: E-10	Last Inspection: 05/12/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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SR073	45TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 52 " <i>Longitude</i> -111 ° 59 ' 12 "	Map Number: E-10	Last Inspection: 05/12/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: north side			Drain Type: Pipe	Count: 1	Size: 60 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SR075	43RD AVE AND BROADWAY RD	Coordinates: <i>Latitude</i> 33 ° 24 ' 14 " <i>Longitude</i> -112 ° 9 ' 5 "	Map Number: E-06	Last Inspection: 03/11/2015	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Northwest corner of Broadway and 43rd Ave.			Drain Type: Box	Count: 1	Size: 10 x 5 Feet
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SR076	43RD AVE AND BROADWAY RD	Coordinates: <i>Latitude</i> 33 ° 24 ' 15 " <i>Longitude</i> -112 ° 9 ' 5 "	Map Number: E-06	Last Inspection: 03/11/2015	Last Flow:	Flow:
	Description: south side of the river			Type: Concrete		
	Instructions: Northeast corner of Broadway and 43rd Ave.			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SR077	22ND AVE AND RIO SALADO SERVICE YARD	Coordinates: <i>Latitude</i> 33 ° 25 ' 6 " <i>Longitude</i> -112 ° 6 ' 25 "	Map Number: E-07	Last Inspection: 03/26/2015	Last Flow:	Flow:
	Description: concrete spillway into drainage ditch 100 feet west of SR06.			Type: Concrete		
	Instructions: Located at the south end of 22nd Ave at the turn before the Rio Salado service yard, just west of SR06.			Drain Type: Spillway	Count: 1	Size: 17 Feet
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SR079	35TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 34 " <i>Longitude</i> -112 ° 8 ' 4 "	Map Number: E-06	Last Inspection: 03/24/2015	Last Flow:	Flow:
	Description: South side of Salt River			Type: Concrete		
	Instructions: South side of river. Outfall was buried for many years and only recently uncovered. A key is needed to access the gate North of COP property.			Drain Type: Pipe	Count: 1	Size: 42 Inches
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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SR080	51ST AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 15 " <i>Longitude</i> -112 ° 10 ' 9 "	Map Number: E-05	Last Inspection: 03/11/2015	
	Description: Line starts at Southern Ave, runs North to Salt River			Last Flow:	Flow:
	Instructions: Located 50 feet due west of the S/W corner of bridge. Next to SR065. SOUTH side of river.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 42 Inches	
SR082	75TH AVE S/O BROADWAY RD	Coordinates: <i>Latitude</i> 33 ° 23 ' 46 " <i>Longitude</i> 112 ° 13 ' 14 "	Map Number: E-04	Last Inspection: 03/10/2015	
	Description: Vulcan Materials located 7845 W Broadway Rd. This is at the south end of 79th Avenue			Last Flow:	Flow:
	Instructions: Outfall is about 1.50 miles s/o Broadway Rd. Vulcan Materials is operating in area and require you to check in and out before entering area.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 84 Inches	
SR083	83RD AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 23 ' 10 " <i>Longitude</i> 112 ° 13 ' 53 "	Map Number: D3	Last Inspection: 03/10/2015	
	Description:			Last Flow: 06/05/2013	Flow: 201.99
	Instructions: Located on the southside of the salt river in maricopa county. Follow the LACC N from Baseline and continue until the LACC turns west into the Indian Reservation.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 12 Inches	
SR084	SW CORNER OF THE 153 EXPRESSWAY AND THE SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 51 " <i>Longitude</i> -111 ° 58 ' 48 "	Map Number:	Last Inspection: 05/12/2015	
	Description: 72 concrete pipe with a metal hinged cover, on the south side of the Salt River, west of the 153 Expressway.			Last Flow:	Flow:
	Instructions:			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72" Inches	
ST002	33RD PL AND PERSHING AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 24 " <i>Longitude</i> -112 ° 0 ' 36 "	Map Number: L-10	Last Inspection: 09/14/2012	
	Description:			Last Flow:	Flow:
	Instructions: between Andorra Dr and Pershing Ave			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 33 Feet	



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ST003	33RD PL AND CAPTAIN DREYFUS AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 20 " <i>Longitude</i> -112 ° 0 ' 36 "	Map Number: L-10	Last Inspection: 09/14/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: between Roveen Ave and Captain Dreyfus Ave			Drain Type: Spillway	Count: 1	Size: 50 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
ST004	SWEETWATER AVE AND 35TH ST	Coordinates: <i>Latitude</i> 33 ° 36 ' 15 " <i>Longitude</i> -112 ° 0 ' 22 "	Map Number: L-10	Last Inspection: 09/14/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located on west wall in culvert from Sweetwater Tributary			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SW001	33RD AVE AND DEER VALLEY RD	Coordinates: <i>Latitude</i> 33 ° 41 ' 2 " <i>Longitude</i> -112 ° 7 ' 36 "	Map Number: N-06	Last Inspection: 11/21/2012	Last Flow: 01/05/1995	Flow: 14,000.00
	Description:			Type: Concrete		
	Instructions: 10 feet inside east barrel of culvert			Drain Type: Pipe	Count: 1	Size: 54 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SW006	43RD AVE AND BEHREND DR	Coordinates: <i>Latitude</i> 33 ° 39 ' 54 " <i>Longitude</i> -112 ° 9 ' 7 "	Map Number: N-06	Last Inspection: 11/28/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Approx. 19750 N on the NW corner of the culvert across from 43rd Ave			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SW009	21041 N 33RD AVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 39 " <i>Longitude</i> -112 ° 7 ' 49 "	Map Number: N-06	Last Inspection: 11/14/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Pipe	Count: 1	Size: 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SW010	3201 W SALTER DRIVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 55 " <i>Longitude</i> -112 ° 7 ' 41 "	Map Number: N-06	Last Inspection: 11/14/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions:			Drain Type: Spillway	Count: 1	Size: 37 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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SW011	33RD AVE AND DEER VALLEY RD	Coordinates: <i>Latitude</i> 33 ° 41 ' 2 " <i>Longitude</i> -112 ° 7 ' 37 "	Map Number: N-06	Last Inspection: 11/21/2012	
	Description:			Last Flow:	Flow:
	Instructions: located 30 feet inside the west barrel on the west wall at the bottom			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches	
SW013	3143 W QUAIL AVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 45 " <i>Longitude</i> -112 ° 7 ' 40 "	Map Number: N-06	Last Inspection: 11/07/2012	
	Description:			Last Flow:	Flow:
	Instructions: east side of wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 22 Feet	
SW014	3223 W ROSE GARDEN LN	Coordinates: <i>Latitude</i> 33 ° 40 ' 35 " <i>Longitude</i> -112 ° 7 ' 44 "	Map Number: N-06	Last Inspection: 11/07/2012	
	Description:			Last Flow:	Flow:
	Instructions: east side of wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 16 Feet	
SW015	38TH AVE AND BEARDSLEY RD	Coordinates: <i>Latitude</i> 33 ° 40 ' 8 " <i>Longitude</i> -112 ° 8 ' 27 "	Map Number: N-06	Last Inspection: 11/28/2012	
	Description:			Last Flow:	Flow:
	Instructions: located in the SE corner of the culvert crossing SR101 and Beardsley			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 78 Inches	
SW019	31ST DR AND DEER VALLEY RD	Coordinates: <i>Latitude</i> 33 ° 41 ' 2 " <i>Longitude</i> -112 ° 7 ' 36 "	Map Number: N-06	Last Inspection: 11/21/2012	
	Description:			Last Flow:	Flow:
	Instructions: located on Deer Valley and wash at the bottom of N/E wing wall new 3-26-04			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 36 Inches	
SW020	3173 W MATTHEW DRIVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 38 " <i>Longitude</i> -112 ° 7 ' 44 "	Map Number: N-06	Last Inspection: 11/07/2012	
	Description:			Last Flow:	Flow:
	Instructions: east side of wash new 3-29-04			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 18 Feet	



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SW021	3119 W MELINDA LANE	Coordinates: <i>Latitude</i> 33 ° 40 ' 59 " <i>Longitude</i> -112 ° 7 ' 37 "	Map Number: N-06	Last Inspection: 11/07/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: end of Cul-de-Sac / east side of wash			Drain Type: Spillway	Count: 1	Size: 12 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SW022	3135 W SALTER DRIVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 57 " <i>Longitude</i> -112 ° 7 ' 38 "	Map Number: N-06	Last Inspection: 11/07/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: end of Cul-de-Sac / east side of wash			Drain Type: Spillway	Count: 1	Size: 13 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SW023	3135 W ABRAHAM LANE	Coordinates: <i>Latitude</i> 33 ° 40 ' 53 " <i>Longitude</i> -112 ° 7 ' 39 "	Map Number: N-06	Last Inspection: 11/07/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: end of Cul-de-Sac / east side of wash			Drain Type: Spillway	Count: 1	Size: 22 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SW024	3135 W LONE CACTUS DRIVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 50 " <i>Longitude</i> -112 ° 7 ' 39 "	Map Number: N-06	Last Inspection: 11/07/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: end of Cul-de-Sac / east side of wash			Drain Type: Spillway	Count: 1	Size: 24 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SW025	3240 W ROSS AVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 32 " <i>Longitude</i> -112 ° 7 ' 49 "	Map Number: N-06	Last Inspection: 01/22/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: end of Cul-de-Sac / east side of wash			Drain Type: Spillway	Count: 1	Size: 17 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
SW026	31ST AVE AND DEER VALLEY RD	Coordinates: <i>Latitude</i> 33 ° 41 ' 5 " <i>Longitude</i> -112 ° 7 ' 34 "	Map Number: N-06	Last Inspection: 11/21/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: NE Wing Wall			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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SW027	21064 N 32ND DRIVE	Coordinates: <i>Latitude</i> 33 ° 40 ' 42 " <i>Longitude</i> -112 ° 7 ' 47 "	Map Number: N-06	Last Inspection: 11/14/2012	
	Description: PAM was installed in 2009.			Last Flow:	Flow:
	Instructions: across the street from address, spillway is southeast of the address			Type: Grassed	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 14 Feet	
SW028	3204 W LONE CACTUS DR	Coordinates: <i>Latitude</i> 33 ° 40 ' 50 " <i>Longitude</i> -112 ° 7 ' 42 "	Map Number: N-06	Last Inspection: 11/14/2012	
	Description:			Last Flow:	Flow:
	Instructions: across the street from address			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 10 Feet	
SW029	22202 N 29TH DRIVE	Coordinates: <i>Latitude</i> 33 ° 41 ' 15 " <i>Longitude</i> -112 ° 7 ' 21 "	Map Number: N-07	Last Inspection: 01/22/2013	
	Description:			Last Flow:	Flow:
	Instructions: Across from residence, north or west side of wash			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 4 Feet	
SW030	22220 N 27TH AVE	Coordinates: <i>Latitude</i> 33 ° 41 ' 19 " <i>Longitude</i> -112 ° 7 ' 2 "	Map Number: N-07	Last Inspection: 01/22/2013	
	Description: East side of 27th Ave across from 22220 N 27th Ave			Last Flow:	Flow:
	Instructions: N/o Deer Valley on 27th Avenue, North side of Wash, East side of 27th			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 4 Feet	
SW031	22220 N. 27TH AVE.	Coordinates: <i>Latitude</i> 33 ° 41 ' 19 " <i>Longitude</i> -112 ° 7 ' 3 "	Map Number: N-07	Last Inspection: 01/22/2013	
	Description:			Last Flow:	Flow:
	Instructions: IN FRONT OF ADDRESS, WEST OF 27th AVE.			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 4 Feet	
SW032	22125 SANDS DR	Coordinates: <i>Latitude</i> 33 ° 41 ' 12 " <i>Longitude</i> -112 ° 7 ' 17 "	Map Number: N-07	Last Inspection: 01/22/2013	
	Description:			Last Flow:	Flow:
	Instructions: 400 yds E/o 29th Avenue or behind 22125 West Sands Road - New 03-18-08			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 53 Inches	



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SW037	35TH AVENUE AND MOHAWK LANE	Coordinates: <i>Latitude</i> 33 ° 40 ' 20 " <i>Longitude</i> 112 ° 8 ' 7 "	Map Number:	Last Inspection: 02/11/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: South of Mohawk Lane, outfall located approximately 30ft south of start/end of concrete pathway.					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 48 Inches		
SW038	NORTH 26TH AVENUE AND WEST ADOBE DRIVE	Coordinates: <i>Latitude</i> 33 ° 41 ' 21 " <i>Longitude</i> 112 ° 6 ' 58 "	Map Number:	Last Inspection: 02/11/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Spillway is located at the end of N. 26th Avenue.					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 4 Feet		
TD002	4350 E SUPERIOR AVE	Coordinates: <i>Latitude</i> 33 ° 25 ' 2 " <i>Longitude</i> -111 ° 59 ' 15 "	Map Number: E-10	Last Inspection: 08/14/2012	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: Located 200' west of 44th St					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 6 Feet		
TD003	4302 E SUPERIOR AVE, PHOENIX, AZ 85040	Coordinates: <i>Latitude</i> 33 ° 25 ' 2 " <i>Longitude</i> -111 ° 59 ' 21 "	Map Number: E-10	Last Inspection: 08/14/2012	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: Across the street from the address					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 6 Feet		
TD004	4116 E SUPERIOR AVE, PHOENIX, AZ 85040	Coordinates: <i>Latitude</i> 33 ° 25 ' 2 " <i>Longitude</i> -111 ° 59 ' 28 "	Map Number: E-10	Last Inspection: 08/14/2012	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: Across the street from above address.					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 10 Feet		
TD006	4048 E SUPERIOR AVE	Coordinates: <i>Latitude</i> 33 ° 25 ' 0 " <i>Longitude</i> -111 ° 59 ' 33 "	Map Number: E-10	Last Inspection: 08/14/2012	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: Valley gutter across street drains into this spillway					
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 11 Feet		



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TD007	4031 E SUPERIOR AVE	Coordinates: <i>Latitude</i> 33 ° 25 ' 9 " <i>Longitude</i> -111 ° 59 ' 37 "	Map Number: E-10	Last Inspection: 08/14/2012	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: Across from above address			Drain Type: Spillway	Count: 1	Size: 6 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
TD008	3402 S 40TH ST	Coordinates: <i>Latitude</i> 33 ° 24 ' 57 " <i>Longitude</i> -111 ° 59 ' 44 "	Map Number: E-10	Last Inspection: 08/14/2012	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: Located on the N/W corner of bridge over the channel			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
TS002	11421 N CAVE CREEK RD	Coordinates: <i>Latitude</i> 33 ° 35 ' 21 " <i>Longitude</i> -112 ° 2 ' 43 "	Map Number: K-09	Last Inspection: 07/28/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 100 feet East of the upper parking lot. (One block east of Cave Creek Rd.)			Drain Type: Pipe	Count: 1	Size: 48 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
TS007	1425 E DESERT COVE RD	Coordinates: <i>Latitude</i> 33 ° 35 ' 13 " <i>Longitude</i> -112 ° 3 ' 7 "	Map Number: K-09	Last Inspection: 07/28/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 1/2 block North of Desert Cove, use apartment fire lane.			Drain Type: Pipe	Count: 1	Size: 36 Inches
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
TS008	14TH ST AND DESERT COVE AVE	Coordinates: <i>Latitude</i> 33 ° 35 ' 9 " <i>Longitude</i> -112 ° 3 ' 7 "	Map Number: K-09	Last Inspection: 07/28/2011	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 50 feet East of 14th Street on Desert Cove Avenue			Drain Type: Spillway	Count: 1	Size: 52 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
UC001	CAVE CREEK RD AND CAVE BUTTE DAM	Coordinates: <i>Latitude</i> 33 ° 43 ' 18 " <i>Longitude</i> -112 ° 0 ' 39 "	Map Number: P-10	Last Inspection: 09/19/2013	Last Flow:	Flow:
	Description:			Type: Metal Pipe		
	Instructions: north side of dam, approximately 30 yards north of the summit of the Cave Butte dam crossing Cave Creek Road.			Drain Type: Box	Count: 1	Size: 14 x 15 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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UC002	29221 N CAVE CREEK RD	Coordinates: <i>Latitude</i> 33 ° 45 ' 1 " <i>Longitude</i> -111 ° 59 ' 37 "	Map Number: P-10	Last Inspection: 09/19/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 200 feet north of 29201 N Cave Creek Rd			Drain Type: Box	Count: 3	Size: 3 x 15 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
UC003	CAVE CREEK RD AND TATUM BLVD	Coordinates: <i>Latitude</i> 33 ° 45 ' 20 " <i>Longitude</i> -111 ° 59 ' 24 "	Map Number: P-10	Last Inspection: 09/19/2013	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: runs NE to SW across the intersection. Former sampling station, changed 2009.			Drain Type: Box	Count: 1	Size: 4 x 14 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
UC004	40TH ST AND TATUM BLVD	Coordinates: <i>Latitude</i> 33 ° 45 ' 30 " <i>Longitude</i> -111 ° 59 ' 44 "	Map Number: P-10	Last Inspection: 09/19/2013	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: 300 feet north of Tatum Blvd where Tatum turns into 40th, about equal to Barwick			Drain Type: Box	Count: 2	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
UC005	40TH ST AND CASCALOTE DR	Coordinates: <i>Latitude</i> 33 ° 45 ' 40 " <i>Longitude</i> -111 ° 59 ' 43 "	Map Number: P-10	Last Inspection: 09/19/2013	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: 1 block north of Cascalote Dr or Milton Dr, north of Tatum, double barreled culvert each box 4x9 feet			Drain Type: Box	Count: 2	Size: 4 x 9 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
UC006	40TH ST AND MONTGOMERY RD	Coordinates: <i>Latitude</i> 33 ° 45 ' 47 " <i>Longitude</i> -111 ° 59 ' 44 "	Map Number: P 10	Last Inspection: 09/19/2013	Last Flow:	Flow:
	Description:			Type: Other		
	Instructions: North of Montgomery, under 40th Street			Drain Type: Box	Count: 3	Size: 3 x 10 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					
UC007	40TH ST AND LONE MOUNTAIN RD	Coordinates: <i>Latitude</i> 33 ° 46 ' 11 " <i>Longitude</i> -111 ° 59 ' 43 "	Map Number: P-10	Last Inspection: 09/19/2013	Last Flow:	Flow:
	Description:			Type: Concrete		
	Instructions: 2 barrel concrete culvert			Drain Type: Box	Count: 2	Size: 4 x 8 Feet
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance					



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UC008	BLACK MOUNTAIN PKWY	Coordinates: <i>Latitude</i> 33 ° 47 ' 5 " <i>Longitude</i> -111 ° 59 ' 42 "	Map Number: P-10	Last Inspection: 09/19/2013	
	Description:			Last Flow:	Flow:
	Instructions: south end of landfill, 1 block north of Desert Forest Road, culvert crosses under 40th/Black Mnt Frwy			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Box	Count: 3	Size: 4 x 16 Feet	
ZT001	33RD PL AND SHARON DR	Coordinates: <i>Latitude</i> 33 ° 36 ' 41 " <i>Longitude</i> -112 ° 0 ' 38 "	Map Number: L-10	Last Inspection: 07/14/2011	
	Description:			Last Flow:	Flow:
	Instructions: East of 3316 E Sharon			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 18 Feet	
ZT002	33RD PL AND EMILE ZOLA AVE	Coordinates: <i>Latitude</i> 33 ° 36 ' 28 " <i>Longitude</i> -112 ° 0 ' 37 "	Map Number: L-10	Last Inspection: 07/14/2011	
	Description:			Last Flow:	Flow:
	Instructions: spillway next to 3313 Emile Zola			Type: Concrete	
	<input type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Spillway	Count: 1	Size: 46 Feet	



7 Eliminated Outfalls

GC003	WASHINGTON ST AND HOHOKAM FWY (SR143)		Status: Eliminated	As Of: 01/07/2015			
Coordinates:	Latitude 33 ° 26 ' 53 "	Longitude -111 ° 59 ' 26 "	Map Number: F-11	Foot Mark:	Last Inspection: 01/12/2010		
Description:	Instructions: located inside the Pueblo Grande Museum property, near Washington and 42nd Street						
Reason: confirmed to not exist on 7 January 2015							
Type: Concrete	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Waters	<input type="checkbox"/> Culvert	<input type="checkbox"/> WC	Drain Type: Box	Count: 1	Size: 10 x 6 Feet
GC021	19TH AVE AND GRAND CANAL		Status: Eliminated	As Of: 01/07/2015			
Coordinates:	Latitude 33 ° 29 ' 59 "	Longitude -112 ° 5 ' 59 "	Map Number: H-07	Foot Mark:	Last Inspection: 01/15/2010		
Description:	Instructions: NE corner of bridge, south of Turney and 19th ave						
Reason: Confirmed to not exist on 7 January 2015							
Type: Concrete	<input type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Waters	<input type="checkbox"/> Culvert	<input type="checkbox"/> WC	Drain Type: Pipe	Count: 1	Size: 12 Inches
GC034	RR TRACK BEHIND PUEBLO GRANDE MUSEUM AND GRAND CANAL		Status: Eliminated	As Of: 01/08/2015			
Coordinates:	Latitude 33 ° 26 ' 39 "	Longitude -111 ° 58 ' 56 "	Map Number: F-11	Foot Mark:	Last Inspection: 01/12/2010		
Description:	Instructions: E of Pueblo Grande Historical park, 1st outfall west of power pole AZ143 and north of RR tracks						
Reason: This outfall is no longer at this address. Verified 1-7-2015.							
Type: Concrete	<input type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Waters	<input type="checkbox"/> Culvert	<input type="checkbox"/> WC	Drain Type: Pipe	Count: 1	Size: 12 Inches
GC035	GRAND CANAL AND E OF PUEBLO GRANDE MUSEUM PARK		Status: Eliminated	As Of: 01/08/2015			
Coordinates:	Latitude 33 ° 26 ' 35 "	Longitude -111 ° 58 ' 49 "	Map Number: F-11	Foot Mark:	Last Inspection: 01/12/2010		
Description:	Instructions: 300 feet west of RR crossing on the north side, between power poles AZ 143 and 153						
Reason: This outfall is no longer at this address. Verified 1-7-2015.							
Type: Concrete	<input type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Waters	<input type="checkbox"/> Culvert	<input type="checkbox"/> WC	Drain Type: Pipe	Count: 1	Size: 12 Inches
GC036	GRAND CANAL AND E OF PUEBLO GRANDE MUSEUM		Status: Eliminated	As Of: 01/07/2015			
Coordinates:	Latitude 33 ° 26 ' 34 "	Longitude -111 ° 58 ' 48 "	Map Number: F-11	Foot Mark:	Last Inspection: 01/12/2010		
Description:	Instructions: west of AZ143 at railroad track crossing, small pipe in bank drains the museum						
Reason: Outfall no longer exists and was confirmed on 7 January 2015							
Type: Concrete	<input type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Waters	<input type="checkbox"/> Culvert	<input type="checkbox"/> WC	Drain Type: Pipe	Count: 1	Size: 12 Inches



18 New Outfalls

AC002	43RD AVE AND PEORIA AVE	Coordinates: <i>Latitude</i> 33 ° 34 ' 58 " <i>Longitude</i> -112 ° 9 ' 6 "	Map Number: K-06	Last Inspection: 06/15/2015	
	Description:			Last Flow: 05/15/2013	Flow: 65.73
	Instructions: North wall			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
AC005	30TH AVE AND METROCENTER	Coordinates: <i>Latitude</i> 33 ° 34 ' 11 " <i>Longitude</i> -112 ° 7 ' 32 "	Map Number: J-07	Last Inspection: 06/15/2015	
	Description:			Last Flow: 05/15/2013	Flow: 0.65
	Instructions: Located below entrance ramp			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 53 Inches	
SR001	51ST AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 31 " <i>Longitude</i> -112 ° 10 ' 10 "	Map Number: E-05	Last Inspection: 03/11/2015	
	Description:			Last Flow: 06/19/1995	Flow: 3.00
	Instructions: North side of river, West side of the 51st Ave bridge			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 96 Inches	
SR002	43RD AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 44 " <i>Longitude</i> -112 ° 9 ' 6 "	Map Number: E-06	Last Inspection: 03/12/2015	
	Description:			Last Flow: 03/12/2015	Flow: 50.73
	Instructions: North side of the river, West side of 43rd Ave, PAM located on sidewalk			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 90 Inches	
SR003	35TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 43 " <i>Longitude</i> -112 ° 8 ' 5 "	Map Number: E-06	Last Inspection: 03/25/2015	
	Description: concrete pipe			Last Flow: 03/25/2015	Flow: 25.00
	Instructions: North side of river, West of bridge on 35th Ave., South of Elwood Street. Need the SWM key to open the gate. Wet weather sampling/monitoring station.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input checked="" type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 75 Inches	



18 New Outfalls

SR004	27TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 3 " <i>Longitude</i> -112 ° 7 ' 1 "	Map Number: E-07	Last Inspection: 03/25/2015	
	Description:			Last Flow: 03/25/2015	Flow: 1.00
	Instructions: North side of river, and 1 block South of the city recycle station main entrance on east side of station			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches	
SR005	25TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 0 " <i>Longitude</i> -112 ° 6 ' 47 "	Map Number: E-07	Last Inspection: 03/24/2015	
	Description:			Last Flow: 11/05/2004	Flow: 2.00
	Instructions: north side of river, enter through the 27th Ave recycle center. Locked gate (storm water key needed) just before the recycle center entrance on the east side of the road.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 102 Inches	
SR006	22ND AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 7 " <i>Longitude</i> -112 ° 6 ' 24 "	Map Number: E-07	Last Inspection: 03/24/2015	
	Description:			Last Flow: 06/06/2013	Flow: 120.00
	Instructions: North side of river, entry to the site through city yard, South of Lower Buckeye			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches	
SR007	19TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 39 " <i>Longitude</i> -112 ° 5 ' 59 "	Map Number: E-07	Last Inspection: 04/09/2015	
	Description:			Last Flow: 04/09/2015	Flow: 0.25
	Instructions: North side of river at northwest corner of bridge - access through Rinker, Inc (cement company).			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 54 Inches	
SR010	7TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 10 " <i>Longitude</i> -112 ° 4 ' 56 "	Map Number: E-08	Last Inspection: 04/10/2015	
	Description:			Last Flow: 04/10/2015	Flow: 1.00
	Instructions: north side			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 54 Inches	



18 New Outfalls

SR015	3RD ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 21 " <i>Longitude</i> -112 ° 4 ' 10 "	Map Number: E-08	Last Inspection: 04/15/2015	
	Description:			Last Flow: 04/15/2015	Flow: 0.50
	Instructions: north side of Salt River, enter off Central Ave into Rio Salado Park and follow the path to the east			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 84 Inches	
SR027	36TH ST AND SALT RIVER, UNDER SKY HARBOR	Coordinates: <i>Latitude</i> 33 ° 25 ' 39 " <i>Longitude</i> -112 ° 0 ' 4 "	Map Number: E-10	Last Inspection: 05/15/2015	
	Description:			Last Flow: 05/15/2015	Flow: 25.00
	Instructions: north side of river. This outfall was combined with SR28 in May 2011. Location, lat/long and size changed.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 82 Inches	
SR029	47TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 26 ' 0 " <i>Longitude</i> -111 ° 58 ' 53 "	Map Number: E-11	Last Inspection: 05/15/2015	
	Description:			Last Flow: 05/15/2015	Flow: 1.00
	Instructions: north side, west side of bridge			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 78 Inches	
SR035	7TH ST AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 13 " <i>Longitude</i> -112 ° 3 ' 54 "	Map Number: E-08	Last Inspection: 04/17/2015	
	Description:			Last Flow: 04/17/2015	Flow: 100.00
	Instructions: south side			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 72 Inches	
SR049	67TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 24 ' 1 " <i>Longitude</i> -112 ° 12 ' 15 "	Map Number:	Last Inspection: 03/10/2015	
	Description:			Last Flow: 02/10/1994	Flow: 3.00
	Instructions: North side of river, West side of 67th. Wet weather sampling/monitoring station.			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input checked="" type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 96 Inches	
SR059	25TH AVE AND SALT RIVER	Coordinates: <i>Latitude</i> 33 ° 25 ' 0 " <i>Longitude</i> -112 ° 8 ' 4 "	Map Number: E-07	Last Inspection: 03/24/2015	
	Description:			Last Flow: 05/14/2002	Flow: 2.00
	Instructions: on east side of SR05, drains the 23rd Ave WWTP			Type: Concrete	
	<input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Major Outfall <input checked="" type="checkbox"/> Impaired Water <input type="checkbox"/> Monitoring Station <input type="checkbox"/> Conveyance	Drain Type: Pipe	Count: 1	Size: 60 Inches	



18 New Outfalls

SR061	32ND ST AND SALT RIVER								
Coordinates:	<i>Latitude</i> 33 ° 25 ' 23 " <i>Longitude</i> -112 ° 0 ' 47 "	Map Number:	E-10	Last Inspection:	06/16/2015	Last Flow:	06/16/2015	Flow:	250.00
Description:									
Instructions:	north side								
<input checked="" type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type:	Box	Count:	2	Size: 7 x 5 Feet
SR083	83RD AVE AND SALT RIVER								
Coordinates:	<i>Latitude</i> 33 ° 23 ' 10 " <i>Longitude</i> 112 ° 13 ' 53 "	Map Number:	D3	Last Inspection:	03/10/2015	Last Flow:	06/05/2013	Flow:	201.99
Description:									
Instructions:	Located on the southside of the salt river in maricopa county. Follow the LACC N from Baseline and continue until the LACC turns west into the Indian Reservation.								
<input checked="" type="checkbox"/> Priority	<input checked="" type="checkbox"/> Major Outfall	<input checked="" type="checkbox"/> Impaired Water	<input type="checkbox"/> Monitoring Station	<input type="checkbox"/> Conveyance	Drain Type:	Pipe	Count:	1	Size: 12 Inches

Laboratory Reports

Ordinance G-6047

ORDINANCE G-6047

AN ORDINANCE AMENDING THE CODE OF THE CITY OF PHOENIX, ARIZONA, PART II, CHAPTER 41, THE ZONING ORDINANCE OF THE CITY OF PHOENIX, BY AMENDING SECTIONS 202, 309, 507, AND ADDING A CHAPTER 13.

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF PHOENIX, as follows:

SECTION 1. That Chapter 2, Section 202 (Definition) is amended as follows:

Traffic Study: A study and/or analysis of the movement of people and goods at a specific location or within a specified area over a given period of time.

TRANSECT DISTRICT: ESTABLISHES THE RANGE OF FORM BASED CODE STANDARDS THAT SUPPORT A PEDESTRIAN FRIENDLY ENVIRONMENT ALONG THE LIGHT RAIL SYSTEM. REFER TO CHAPTER 13 OF THE CITY OF PHOENIX ZONING ORDINANCE FOR MORE INFORMATION.

SECTION 2. That Chapter 3, Subection 309.A is amended as follows:

- A. **Powers and Duties.** The Design Review Committee shall have the power and duty under the provisions of these regulations to hear specific items appealed by the development review applicant contesting decisions made by the Planning and Development Department regarding the interpretation and implementation of design guidelines and architectural diversity standards, and TO review and approve Design Alternatives and Sustainability Bonuses for properties within the boundaries of the Downtown Code, AND TO REVIEW AND APPROVE DESIGN ALTERNATIVES AND MODIFICATION TO STANDARDS WITHIN THE BOUNDARIES OF THE WALKABLE URBAN CODE.

SECTION 3. That Chapter 5, Subsection 507.G, 507G.1 and 507.G.4 are amended as follows:

G. A Design Alternative or Sustainability Bonus Appeal is a deviation from the prescribed standards and design guidelines, ~~only for~~. DESIGN ALTERNATIVES AND SUSTAINABILITY BONUS APPEALS APPLY TO properties within the boundary of the Downtown Code, which would result in a furtherance of the goals and policies of the Downtown Phoenix Plan and the specific intent of the subject Character Area as approved by the DRC. DESIGN ALTERNATIVES APPLY TO PROPERTIES WITHIN THE BOUNDARIES OF THE WALKABLE URBAN CODE, WHICH WOULD RESULT IN A FURTHERANCE OF THE GOALS AND POLICIES OF THE GATEWAY, EASTLAKE-GARFIELD, MIDTOWN, UPTOWN AND SOLANO TRANSIT ORIENTED DISTRICT (TOD) POLICY PLANS.

1. Each Design Alternative application shall include, at a minimum, the following:
 - a. A Certificate of Appropriateness or Certificate of No Effect must be obtained in advance of filing for any property with a Historic Preservation (HP) zoning designation;
 - b. A listing of the standard(s) or guideline(s) that are the subject of the proposed Design Alternative;
 - c. A narrative statement describing the justification for the Design Alternative and the manner in which the proposed Design Alternative would result in a furtherance of the goals and policies of the Downtown Phoenix Plan OR OF THE GATEWAY, EASTLAKE-GARFIELD, MIDTOWN, UPTOWN AND SOLANO TOD POLICY PLANS, and would satisfy the findings required for approval;
 - d. Site plan;
 - e. Building elevations;
 - f. Context plan;
 - g. Landscaping and Shading plan;
 - h. List of property owners located within 150 feet of the subject property as supplied by the Maricopa County Assessor's Office. AND
 - i. Such other information as may be required by the Planning and Development Director or DRC.
4. In order to approve a Design Alternative, the DRC must make findings as follows:

- a. That the project is consistent with the intent stated for the subject Character Area IN THE DOWNTOWN CODE; and
- b. That the project demonstrates design excellence by addressing at least two of the following:
 - (1) Design innovation and the imaginative use of space, form and materials.
 - (2) Permeability and connectivity which enables people to move within, around and through the project with ease.
 - (3) The project improves safety and security by introducing human activity to the public realm with active building frontages onto streets and other public spaces, and enable "Eyes on the Street."
 - (4) The project incorporates materials and design which enhances thermal comfort.
 - (5) MODIFICATIONS FROM PRESCRIBED STANDARDS AS PER SECTION 1313.
- c. THAT THE PROJECT DEMONSTRATES DESIGN EXCELLENCE BY ADDRESSING DESIGN ALTERNATIVES THAT DEMONSTRATE CONFORMANCE WITH THE INTENT OF THE WALKABLE URBAN CODE AS SET FORTH IN SECTION 1301.B AND IN GENERAL CONFORMANCE WITH THE POLICIES CONTAINED WITHIN THE GATEWAY, EASTLAKE-GARFIELD, MIDTOWN, UPTOWN AND SOLANO TOD POLICY PLANS. THE MODIFICATIONS MUST MEET THE STANDARDS SET FORTH IN SECTION 1313.

SECTION 4. That Chapter 41 is amended by adding a new Chapter 13 as follows:

Chapter 13
WALKABLE URBAN CODE

CHAPTER 13 – WALKABLE URBAN CODE

TABLE OF CONTENTS

Section 1301	Code Administration
Section 1302	Transect Districts
Section 1303	Transect Lot Standards
Section 1304	General Site Development Standards
Section 1305	Frontage Standards
Section 1306	Land Use Matrix
Section 1307	Parking Standards
Section 1308	Signage Standards
Section 1309	Landscape Standards
Section 1310	Open Space Improvements
Section 1311	Design Development Considerations
Section 1312	Character Areas
Section 1313	Design and Standards Alternatives

SECTION 1301: CODE ADMINISTRATION

A. Title.

The regulations within this Chapter are known as the "Walkable Urban Code," and referred to in their entirety as "WU Code" or "this Chapter" throughout Chapter 13.

B. Purpose and Intent. The primary purpose of this Chapter is to implement the vision and policies of the Transit Oriented District (TOD) Policy Plans for Gateway, Eastlake-Garfield, Midtown, Uptown and Solano, encourage an appropriate mixture and density of activity around transit stations, to increase transit ridership in general and along the Central Phoenix/East Valley Light Rail Corridor in particular; and to promote multiple modes of transportation. The secondary purpose of the Code is to improve pedestrian safety from crime, to avoid or mitigate nuisances, to promote the public health, to decrease automobile-dependence, and to mitigate the effects of congestion and pollution. These regulations seek to achieve these purposes by providing the following:

1. An increase of population and employment through infill development within transit-oriented districts.
2. A walkable, bikeable, and transit supportive development environment.
3. The integration of auto-oriented and industrial uses with a complementary mix of land uses.
4. A high level of connectivity of pedestrian and vehicular routes, which entails small block sizes.
5. Comfortable, safe, and economically productive districts surrounding light rail stations, providing for walking and bicycling between and within the transect districts.
6. The protection of property value.

C. Applicability. The Walkable Urban Code may be applied and is limited to land uses, subdivisions, and development within the ReinventPHX Transit Oriented District Policy Plans for Gateway, Eastlake-Garfield, Midtown, Uptown and Solano. The boundaries of these areas are shown in the District Maps located in the Transit Oriented District Policy Plans for Gateway, Eastlake-Garfield, Solano, Midtown and Uptown.

1. When in conflict, text and numerical metrics in tables shall take precedence over diagrams and illustrations.
2. The Zoning Ordinance of the City of Phoenix applies in its entirety for properties subject to Chapter 13 except as follows:

- a. If a conflict occurs between requirements of the WU Code and the City of Phoenix Zoning Ordinance, the requirements of the WU Code shall prevail.
- b. Properties with Historic Preservation (HP) zoning are subject to the provisions of Chapter 8, Historic Preservation, of the Phoenix Zoning Ordinance. In the event of a conflict between the provisions of Chapter 8 and Chapter 13, the provisions of Chapter 8 shall prevail.

D. Approval Requirements

- 1. Development review approval must be obtained in accordance with Section 507 of the Zoning Ordinance of the City of Phoenix demonstrating compliance with the development standards and guidelines of this code.
- 2. Any deviation from the WU Code standards or guidelines shall be approved in accordance with Section 1313.
- 3. Development plans submitted as Master Plans shall demonstrate compliance with the WU Code and in general conformance with Conceptual Master Plans within the TOD Policy Plan for the development area, as per Section 1304.G.2.
- 4. Gateway District properties within the TOD Policy Plans that were zoned Commercial C-3 and A-1 Light Industrial districts prior to the time of rezoning to the WU Code, are allowed to have general commercial, industrial or manufacturing uses identified in Section 1312.A.
- 5. Existing structures and land uses established legally at the time of adoption of this Code shall be subject to the provisions of Chapter 9, Nonconformities, of the Phoenix Zoning Ordinance if they do not meet the regulations in Chapter 13.

6. Walkable Urban Code building design and shade structures are allowed reduced requirements if the WU Code conflicts with the City of Phoenix adopted Building Code and the design meets the Building Code.

7. Transect District Building Height.

- a. Allowable building height will be determined through outreach with residential and commercial property owners, and neighborhood associations. Building height analysis will include consideration of existing zoning entitlements and the Transit District Policy Plan (including recommended number of stories).

SECTION 1302: TRANSECT DISTRICTS

- A. The Transect.** The Transect, as a framework, identifies a range of standards that encourage development that supports the levels of diversity, intensity and form that best integrate with surrounding neighborhoods while facilitating urban, pedestrian-supported transit-oriented projects.

The WU Code consists of 12 transect districts and a special district option. These transect districts vary by the level and intensity of their physical and social character, providing immersive contexts from less intense to more intense urban development. The following transect districts are created based on each district's intensity of development, coordinating use, height, setback, parking location, streetscape, and other built elements:

1. T3:2 District. Low-intensity residential fabric characterized primarily by single-family homes and duplexes in relatively large lots with deep setbacks. Home occupations are permitted.
2. T4:2 and T4:3 Districts. Low-intensity urban residential fabric characterized by single-family homes, duplexes, single-family attached and small multifamily developments, averaging 30-feet to 40-feet in height. Home occupations are permitted.

3. T5:2 and T5:3 Districts. Low-intensity urban mixed-use fabric characterized by small main street scale commercial areas, adaptive reuse of single family homes to retail, office uses and dining establishments, and mixed use residential developments incorporating a broad mix of frontage types, averaging 30-feet to 48-feet in height.
4. T5:5, T5:6 and T5:7 Districts. A medium-high-intensity mixed-use fabric characterized by a broad mix of buildings that integrate retail, offices, live-work and residential units adjacent to the Light Rail Corridor, averaging 56-feet to 100-feet in height.
5. T6:7, T6:15 and T6:22 Districts. A high-intensity mixed-use urban fabric characterized by large footprint high rise buildings averaging 100-feet to 250-feet in height adjacent to the Light Rail Corridor. Buildings have the highest intensity of uses, integrating office, commercial and residential uses. Development may incorporate forecourts and open spaces available to the public.
6. T6:HWR District. A height waiver, high-intensity fabric characterized by mixed-use buildings with large footprints and or towers with existing and any new height waiver entitlements beyond T6:22.
7. Special Districts (SD). Assigned to sites that, by their intrinsic size, function, configuration, or approved entitlements, cannot conform to or be regulated by the requirements of any transect or combinations of transects, or when existing development is regulated by special plans. Special districts are reserved for functions including but are not limited to hospitals, colleges and universities, civic spaces, transportation facilities and airports.

B. Transect District Boundaries. Where uncertainty exists as to the boundaries of the transect districts shown on the Zoning Map, the following rules apply:

1. Where a transect district boundary is located within or along a right-of-way, the boundary line is deemed to be along the centerline of the right-of-way.
2. Where a transect district boundary is shown as approximately following lot lines, the boundary line is deemed to coincide with such lot lines.

SECTION 1303: TRANSECT LOT STANDARDS

A. General Lot Standards

1. The Single-Family Attached development option (SFA) is allowed in all transect districts except T3:2 and must meet Sections 608.F.5 and 615 Table B of the Zoning Ordinance.
2. Development in T4, T5 and T6 shall follow the same setback and stepback standards as the Single-Family Attached development option. If development is adjacent to a Single-Family zoning district (Sections 611, 613) or Historic Preservation designated property or district the following additional requirements shall apply:
 - a. Minimum 10-foot landscape-setback, except for single-family detached dwellings.
 - b. Stepback provision shall not exceed maximum 75-foot setback from rear and side property lines for building height before maximum height allowed.
3. The minimum side and rear yard setback requirements in Table 1303.1 shall apply to all structures 48-feet height or greater:

TABLE 1303.1 SETBACK REQUIREMENTS. BUILDINGS OVER 48 FEET.	
BUILDING HEIGHT	Rear and Side Setbacks, if adjacent to the following: R1-10, R1-8, R1-6, and Historic Preservation properties and districts.
40-80 feet	Minimum 25-foot building setback from property line.
80 feet and above	Minimum 30-foot building setback from property line plus one-foot setback for each two-foot increase in height, up to 75 feet setback.

4. Modifications per Section 1312.
5. Height Restrictions. In no event can the height exceed the airport height limit in accordance with FAA height restrictions.
6. Primary Frontages. Lot lines abutting a right-of-way are designated as primary frontage line or secondary frontage line as follows:

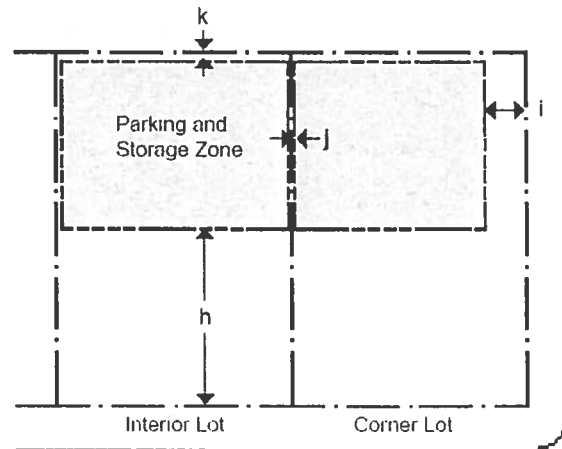
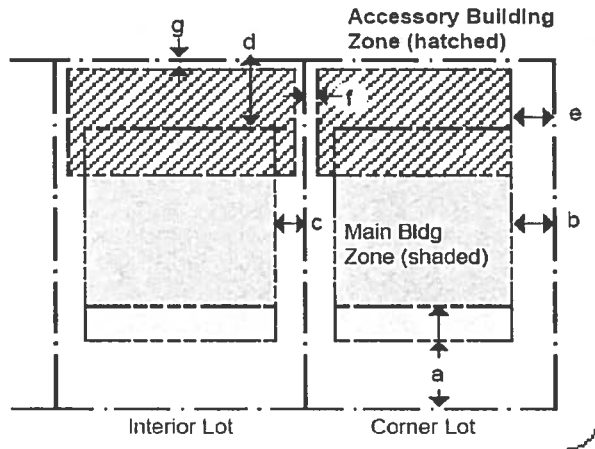
- a. For lots abutting a right-of-way along a single lot line, the abutting lot line is designated the primary frontage.
- b. For lots abutting rights-of-way along multiple streets right-of way, primary frontage is designated by the Planning and Development Department, all remaining frontages are designated secondary frontages.
- c. For through lots, primary frontage requirements pertain to frontages on both thoroughfares.

B. Transect Setbacks and Lot Standards

TABLE 1303.2

TRANSECT T3

BUILDING LOT STANDARDS



MAIN BUILDING SETBACKS

a	Primary Frontage	20-foot minimum
b	Secondary Frontage	12-foot minimum
c	Side Lot Line	3-foot and 10-foot minimum
d	Rear Lot Line	20-foot minimum

ACCESSORY BUILDING SETBACKS

e	Secondary Frontage	12-foot minimum
f	Side Lot Line	5-foot minimum
g	Rear Lot Line	3-foot minimum

PARKING SETBACKS

h	Primary Frontage	30-foot minimum
i	Secondary Frontage	8-foot minimum
j	Side Lot Line	5-foot minimum
k	Rear Lot Line	5-foot minimum

LOT REQUIREMENTS

Lot Coverage	60% maximum
Primary Building Frontage	50% minimum
Secondary Building Frontage	n/a

BUILDING FRONTAGE

FRONTAGE TYPES ALLOWED

Primary Frontage	Porch, patio, stoop or alternative frontages as per Section 1305.B.1.c.
Secondary Frontage	Porch, patio, stoop, alternative frontages as per Section 1305.B.1.c. or none
Entry Requirements	Building entries are not required along secondary frontages

Minimum Glazing on Residential Building Frontages facing Street Right-of-Way, as per Section 1305.B.2.

Ground Floor	20%
Second Floor	20%, 5% East and West
Upper Floors	n/a

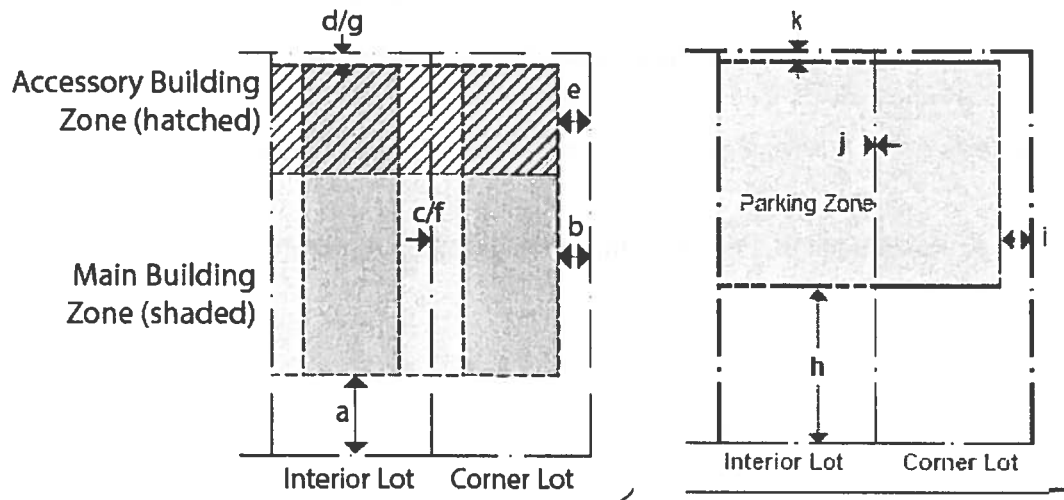
BUILDING HEIGHT

a Main Building	30-foot maximum
b Accessory Buildings	30-foot maximum

TABLE 1303.2

TRANSECT T4

BUILDING LOT STANDARDS



MAIN BUILDING SETBACKS

a	Primary Frontage	20-foot maximum
b	Secondary Frontage	8-foot maximum
c	Side Lot Line ⁽¹⁾	0-foot minimum
d	Rear Lot Line ⁽¹⁾	0-foot minimum

⁽¹⁾ Setbacks requirements as per Section 1303.A.2. when adjacent to single-family residential districts and historic properties or districts.

ACCESSORY BUILDING SETBACKS

e	Secondary Frontage	8-foot minimum
f	Side Lot Line	0-foot minimum
g	Rear Lot Line	3-foot minimum

PARKING SETBACKS

h	Primary Frontage	30-foot minimum or behind building (whichever is less restrictive)
i	Secondary Frontage	8-foot minimum, landscaping setback along the entire parking frontage.
j	Side Lot Line ⁽²⁾	0-foot minimum
k	Rear Lot Line ⁽²⁾	0-foot

⁽²⁾ Requirements per Section 1307.F.2.a when adjacent to single-family residential districts and historic properties or districts.

LOT REQUIREMENTS

Lot Coverage*	70% max.
Primary Building Frontage	60% minimum
Secondary Building Frontage	n/a

TABLE 1303.2**TRANSECT T4****BUILDING FRONTAGE****FRONTAGE TYPES ALLOWED**

Primary Frontage	Porch, patio, stoop, forecourt or alternative frontages as per Section 1305.B.1.c.
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Secondary Frontage	Porch, patio, stoop, forecourt or alternative frontages as per Section 1305.B.1.c.
--------------------	--

Entry Requirements	Building entries are optional along secondary frontages
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Minimum Glazing on Building Frontages facing Street Right-of-Way, as per Section 1305.B.2.

Ground Floor	25%	Exceptions identified in Section 1312.
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Second Floor	25%, 10% East and West
--------------	------------------------

Upper Floors	n/a
--------------	-----

BUILDING HEIGHT AND STEPBACKS**BUILDING HEIGHT**

- | | |
|-----------------------|--|
| a Main Building | T4:2 30-foot maximum
T4:3 40-foot maximum
SFA: 48-foot maximum |
| b Accessory Buildings | T4:2 30-foot maximum
T4:3: 40-foot maximum
30-foot maximum when adjacent to single family residential districts or Historic Preservation districts or properties |

BUILDING STEPBACKS

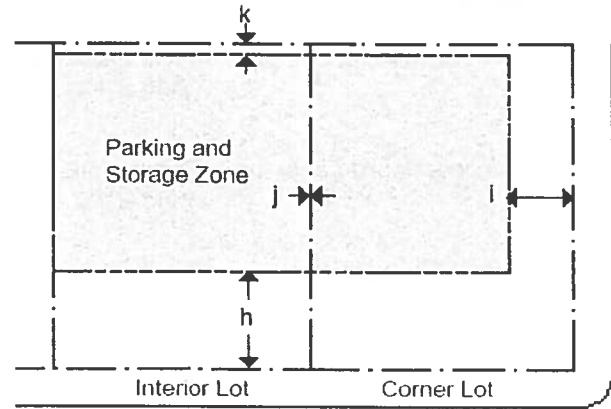
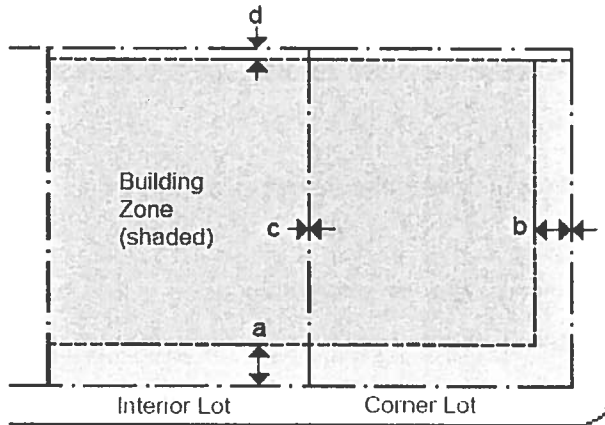
Required for SFA as per 1303.A.1 and 2.

** Lot coverage maximum may be modified for SFA development option*

TABLE 1303.2

TRANSECT T5

BUILDING LOT STANDARDS



MAIN BUILDING SETBACKS

a	Primary Frontage	12-foot maximum.
b	Secondary Frontage	10-foot maximum
c	Side Lot Line ⁽¹⁾	0-foot minimum
d	Rear Lot Line ⁽¹⁾	0-foot minimum

⁽¹⁾ Setbacks requirements as per Sections 1303.A.2 and 1303.A.3 when adjacent to single-family residential districts and historic properties or districts.

ACCESSORY BUILDING SETBACKS

Accessory buildings are subject to the setback standards of *main buildings*.

PARKING SETBACKS

h	Primary Frontage	30-foot minimum or behind building.
i	Secondary Frontage	20-foot minimum, 10-foot landscape setback from street right-of-way
j	Side Lot Line ⁽²⁾	0-foot minimum
k	Rear Lot Line ⁽²⁾	0-foot minimum

⁽²⁾ Requirements per Section 1307.F.2. when adjacent to single-family residential districts and historic properties or districts.

LOT REQUIREMENTS

Lot Coverage*	80% maximum
Primary Building Frontage	70% minimum
Secondary Building Frontage	50% minimum

BUILDING FRONTAGE

TABLE 1303.2**TRANSECT T5****FRONTAGE TYPES ALLOWED**

Primary or Light Rail Frontage	All frontages or alternative frontages as per Section 1305.B.1.c.
Secondary Frontage	All frontages or alternative frontages as per Section 1305.B.1.c.
Entry Requirements	Common Entry: Minimum one per 50-feet of primary building frontage and one per 80-feet of secondary frontage. Other frontages as per Table 1305.1.

Minimum glazing shall apply to commercial building frontages only, as per section 1305.B.2. For residential products T4 glazing standards shall apply.

Ground Floor	75%. Modifications as per Table 1305.1 and Sections 1305.B.2. and 1312.A. Exceptions for Transit Gateway character area per Section 1312 and 1305.B.2.a.(3).
Second Floor	45%, 25% East and West.
Upper Floors	25%, 15% East and West.

BUILDING HEIGHT AND STEPBACKS

BUILDING HEIGHT		BUILDING STEPBACKS	
T5:2	30-foot maximum		
T5:3	48-foot maximum		
T5:5	56-foot maximum		
T5:6	80-foot maximum		
T5:7	100-foot maximum	At 48-foot of height	Minimum 20-foot stepback adjacent to single-family residential districts or HP district or properties.
Parking structures	Cannot exceed building height	Minimum 20-foot stepback adjacent to single-family residential districts or HP district or properties if over 40-feet.	

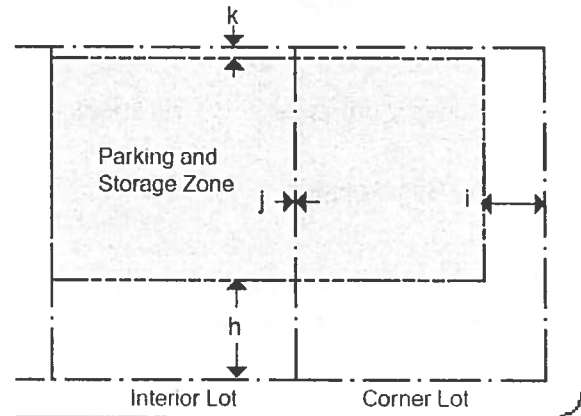
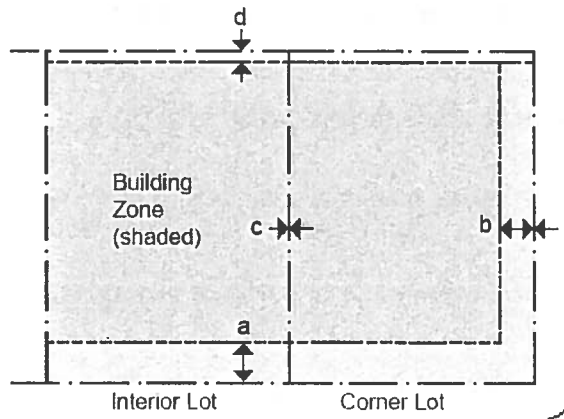
** a. Lot coverage maximum may be modified for SFA development option.*

b. Lot coverage maximum may vary depending on setback requirements when adjacent to existing single-family residential districts and Historic Preservation properties or districts.

TABLE 1303.2

TRANSECT T6

BUILDING LOT STANDARDS



MAIN BUILDING SETBACKS

a	Primary or Light Rail Frontage	12-foot maximum
b	Secondary Frontage	10-foot maximum
c	Side Lot Line ⁽¹⁾	0-foot minimum
d	Rear Lot Line ⁽¹⁾	0-foot minimum

⁽¹⁾ Setbacks requirements as per Sections 1303.A.2 AND 1303.A.3 when adjacent to single-family residential districts and historic properties or districts.

ACCESSORY BUILDING SETBACKS

Accessory buildings are subject to the setback standards of main buildings.

PARKING SETBACKS

h	Primary Frontage	24-foot minimum or behind building
i	Secondary Frontage	20-foot minimum
j	Side Lot Line ⁽²⁾	0-foot minimum
k	Rear Lot Line ⁽²⁾	0-foot minimum

⁽²⁾ Requirements per Section 1307.F.2. when adjacent to single-family residential districts and historic properties or districts.

LOT REQUIREMENTS

Lot Coverage*	90% maximum
Primary Building Frontage	80% minimum
Secondary Building Frontage	70% minimum

BUILDING FRONTAGE TYPES

FRONTAGE TYPES ALLOWED

Primary or Light Rail Frontage	Common entry, storefront, arcade, gallery or alternative frontages as per Section 1305.B.1.c.
--------------------------------	---

TABLE 1303.2**TRANSECT T6**

Secondary Frontage	Common entry, storefront, arcade, gallery or alternative frontages as per Section 1305.B.1.c.
--------------------	---

Entry Requirements	One per 50-feet of primary building frontage and one per 80-feet of secondary frontage
--------------------	--

Minimum glazing shall apply to commercial building frontages only, as per Section 1305.B.2. For residential products T4 glazing standards shall apply.

Ground Floor	75%. Modifications as per Table 1305.1 and Sections 1305.B.2. Exceptions for Transit Gateway character area per Section 1312.
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Second Floor	45%, 25% East and West
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Upper Floors	25%, 15% East and West
--------------	------------------------

** a. Lot coverage maximum may be modified for SFA development option*

b. Lot coverage maximum may vary depending on setback requirements when adjacent to existing single-family residential districts and Historic Preservation properties or districts.

BUILDING HEIGHT AND STEPBACKS

BUILDING HEIGHT		BUILDING STEPBACKS	
T6:7	100-foot maximum	At 48-foot of height	Minimum 20-foot stepback adjacent to single-family or HP district/neighborhood
T6:15	180-foot maximum.	At 48-foot of height	Minimum 20-foot stepback adjacent to single-family or HP district/neighborhood.
T6:22	250-foot maximum	At 48 ft. of height	Minimum 30-foot stepback adjacent to single-family or HP district/neighborhood.
		At 120 feet of height	Minimum 20-foot stepback adjacent to single-family or HP district/neighborhood.
Parking structure	Cannot exceed building height	At 48 ft.	Minimum 20-foot stepback if no liner building

TABLE 1303.2**TRANSECT T6 HEIGHT WAIVER - T6:HWR**

Sites with existing height waiver entitlements shall comply with stipulations and standards of the zoning case that approved the height entitlement prior to adoption of the WU Code.

New development plans for existing and new height waiver entitlement properties shall demonstrate conformance to the T6 Transect and in general conformance with Conceptual Master Plans within TOD Policy Plans. Deviation from the WU Code and District Plans shall be approved in accordance with Section 1313.

C. SPECIAL DISTRICT TRANSECT (SD)

Applicability. This Section includes standards affecting sites with specific plans, or other existing entitlements other than just height. Special District Transect (SD), as per 1302.A.g.

1. UPTOWN DISTRICT**a. Phoenix Indian School Special District.**

- (1) All development within the boundaries of the SD Transect shall conform to the standards of the Phoenix Indian School Specific Plan.
- (2) Any alterations to the existing stipulations and standards may require an amendment to the specific plans or amendment of the applicable zoning case stipulation.
- (3) New development plans shall demonstrate conformance to the WU Code and in general conformance with the Conceptual Master Plan within the Uptown TOD Policy Plan. Deviation from the District Plans shall be approved in accordance with Section 1313.

b. Windsor Square Special District.

- (1) Development within the boundaries of the Windsor Square Neighborhood should conform to the standards of the Windsor Square Neighborhood Conservation Plan.

- (2) Any alterations to the standards may require an amendment to the Windsor Square Neighborhood Conservation Plan.
 - (3) New development plans shall demonstrate conformance to the WU Code and in general conformance with the Conceptual Master Plan within the Uptown TOD Policy Plan.
2. **MIDTOWN DISTRICT**
RESERVED
3. **SOLANO DISTRICT**
RESERVED
4. **EASTLAKE-GARFIELD DISTRICT**
RESERVED
5. **GATEWAY DISTRICT**
RESERVED

SECTION 1304 GENERAL SITE DEVELOPMENT STANDARDS

- A. **Block Size.** For all new development, the maximum continuous length of blocks, measured along the centerline of the street, and between intersecting street centerlines shall not exceed 600-feet unless conditions of Section 1304.G.2 are met.
- B. **Building Placement.** Buildings must be set back from lot boundaries as specified in Tables 1303.1 and 1303.2, and according to the following:
 1. Frontage setbacks may be expanded or reduced by as much as 20 percent in order to match adjacent frontage setbacks.
 2. For corner lots, see Section 30-13 of the City Code.
 3. Planning and Development Department staff have the authority to modify the setback measurements identified in each transect district up to 20 percent to accommodate existing conditions or a design solution consistent with a pedestrian environment.
 4. Where public utility easements conflict with required setbacks or build to dimensions, the measurement can be taken from the back of the easement.

C. Building Design

1. All sides of a building should exhibit design continuity and contain multiple exterior accent materials that exhibit quality and durability.
2. Visible side and rear building façades should have a level of trim and finish compatible with the front façade.
3. All sides of a structure should exhibit design continuity and contain multiple exterior accent materials that exhibit quality and durability.
4. Monotonous building elevations should be avoided, building accents should be expressed through differing materials or architectural detailing rather than applied finishes such as paint, graphics, or forms of plastic or metal panels.
5. Multiple buildings on the same site should borrow and incorporate (not duplicate) architectural styles, materials, forms, features, colors and compatible elements from the same site. These should include: continuation of distinctive rooflines, covered walkway alignments, consistent detailing of finish, accent features on all visible sides of structures, compatible shapes, material, wall and landscaping treatment.
6. The orientation of buildings, windows and balcony features should not significantly reduce or infringe on the existing privacy of adjacent Single-Family or Multifamily residential districts.

D. Lighting Requirements. Lighting standards from 507 TAB A.II.8. of the Zoning Ordinance and Section 23-100 of the City Code shall apply

E. Canal Banks. Standards from 507 TAB A.II.E.2. of the Zoning Ordinance shall apply for projects adjacent to the Grand Canal. Building height may be measured from the canal bank grade.

F. Building and Shade

1. A minimum of 75-percent of the sidewalk or pedestrian way should be shaded.
 - a. Shade calculations shall be based on the summer solstice at 12:00 p.m.
 - b. Shade cast from a building may count towards shade calculations.

2. Developments should include shading along its entire right-of-way frontage, excluding driveways, loading, and service berths.
3. Required shade can be accomplished by one or a combination of the following methods:
 - a. Landscape and shade trees within the front setback, as per Section 1309.B.
 - b. Structural shade elements, trellises, or covered walkways attached to the primary building. Depth should be a minimum of 6-feet measured from any point of ground floor façade to the exterior column or vertical plane of the overhang. The maximum head clearance should not exceed 20-feet, measured from finish grade.
 - c. Detached shade structures should be a minimum of 6-feet in depth and a minimum of 16-feet in height and should incorporate architectural elements and design of the primary structure. Footers should be a minimum six-feet from public utilities, measured from the outside of the utility.
 - d. Structures within six-feet of a public utility (water/sewer line) should have a minimum 16-foot clear height and be removable.
 - e. Any projections into public right-of-way should be permitted only upon issuance of an encroachment permit as administered by the City of Phoenix, and if applicable, approval from affected public utility companies.
4. Private and or public open space shade requirements per Section 1310.

G. Large Scale Development Requirements.

1. Large developments are intended to create and reinforce pedestrian urban environments with a mix of housing, civic, retail and service choices within a compact, walkable, and transit-oriented environment, in order to provide greater integration of public and private improvements and infrastructure, and to enable thoroughfare connectivity.
2. Block length exceeding the maximum block length permitted under Section 1304.A, or assemblages over five-acres in size are permitted under the following conditions:

- a. Master Development Plans must be provided to the Planning and Development Department.
- b. Plans should include a mix of housing and mixed use types.
- c. At least five percent of its aggregated lot area shall be provided as an open space available to the public. Developer shall be responsible for the construction and maintenance of the open space available to the public.
- d. The plan shall include improvements to thoroughfares and pedestrian access.
 - (1) Thoroughfares may include existing alleyways and cross block access within the development.
 - (2) Pedestrian ways/paseo for circulation, access and connectivity should be provided at:
 - (a) Any point along a frontage that is more than 300-feet from a thoroughfare intersection or existing pedestrian way;
 - (b) Cross-block access when the lot is a through lot;
 - (c) Lots other than through lots should provide a pedestrian paseo up to the mid-block shared lot line or alley. Where existing pedestrian access exist on adjacent lots, they should be completed.

H. Pedestrian Accessway Guidelines. Pedestrian ways, including paseos, should meet the following minimum standards:

- 1. Pedestrian ways should be open for public access from 7 A.M. to 10 P.M., or during the public hours of any off-street parking areas to which they provide access, whichever is longer.
- 2. Pedestrian ways should be a minimum of 10-feet in width or a minimum of six-feet in width when combined with a thoroughfare, or when provided as improved pedestrian alley access.

3. Pedestrian ways don't have to be straight, but should be entirely visible from one or both of the thoroughfares or private accessways which they connect.
4. All ADA guidelines shall apply.
5. Lighting should be provided to ensure safety and security. The following lighting treatment should be provided within pedestrian ways and Paseos:
 - a. 15-foot maximum height of lighting fixtures.
 - b. A minimum of 1-foot candle illumination should be maintained throughout the Paseo.
 - c. Uniform lighting should be placed along entire Paseo to avoid bright high glare areas and low visibility dark areas.
6. One of the following elements should be provided at each street entrance to the Paseo:
 - a. Bollard path light.
 - b. Public art.
 - c. Decorative directional signage.
 - d. Building design elements that emphasize the Paseo entrance.
- g. Alternative paving materials such as permeable pavers, porous concrete or similar materials should be used for on-site hardscaping to reduce urban heat island effect, and to allow natural drainage and filtration.

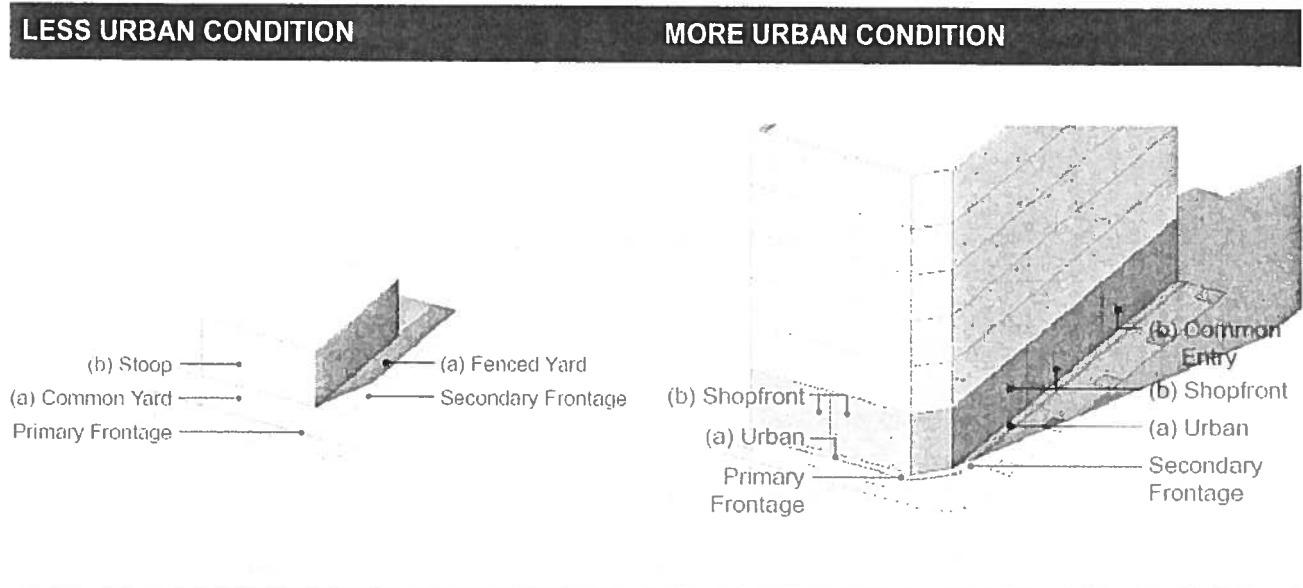
I. Access/Circulation

1. All requirements of Section 507 TAB.A.II.A.6.3. shall apply except Section 507 TAB.A.II.A.6.3.1.
2. Private driveways and off-street parking should be accessed from alleys as much as possible.
3. The entrances to alleys should be directed away from the primary frontages of T5 and T6 lots, except where it is unavoidable that they cross such a frontage.

4. Vehicular maneuvering in an alley is allowed if no Single-Family or Historic Preservation zoned district or Historic neighborhood is adjacent to the alley.

SECTION 1305 FRONTAGE STANDARDS

- A. Applicability.** Standards and Frontage Types in this section regulate the area between the property line and the front façade of a building in order support an urban, pedestrian and transit-oriented environment within the boundaries of the WU Code.



B. Frontage Types.

1. Frontage types are limited to Table 1305.1, with the following exceptions:
 - a. Building façades may include multiple frontage types along their length.
 - b. Frontage types may be different at primary and secondary frontages.
 - c. Planning and Development Department staff may consider a frontage design alternative when the design meets the intent of pedestrian and transit-oriented frontages and façades. Appeals beyond staff level may be filed by applicants to the Design Review Committee per Section 1313.
2. Building Façades.

- a. Building façades shall be designed to provide a sense of human scale at the ground level by providing a clear architectural distinction between the ground floor and all additional stories.
 - (1) All structures, except where residential uses are on the ground floor, should utilize clear windows. A clear window is a window that will allow a minimum of 75 percent of the visible light (as specified by the manufacturer) to be visible on either side of the window.
 - (2) Ground floor blank walls visible from the public sidewalk should not exceed 20 linear feet without being interrupted by a window, or variation in building treatment or design.
 - (3) Façade treatments should be provided when the minimum glazing cannot be achieved, or when the blank wall façade exceeds a continuous 20 linear feet. Treatments can be achieved through a combination of artwork, interactive displays, architectural features, landscape and trellises, with a minimum size of 30 square feet per 20 linear feet of blank wall. Shadow boxes are permitted for art houses and cinemas.
 - (4) Mirrored and reflective glass are prohibited.
 - (5) Religious assembly building façades are exempt from the minimum glazing requirement.
 - (6) Grocery store frontages shall provide a minimum of 60 percent glazing along on the ground floor of a primary frontage or light rail corridor. 50 percent minimum glazing required on the ground floor of secondary frontages.
 - (7) Glazing to be measured between 3 and 8 feet above grade for the entire width of the building façade.

3. Building Entrances

- a. All pedestrian entrances should be defined by the use of distinctive materials and architectural elements.
- b. The primary building entry should be located within the primary frontage. Interior spaces of each building should be as directly accessible as possible from frontages.

- c. Building frontages on arterials should be oriented to the arterial frontage. The preferred arrangement is to front façades directly adjacent to the sidewalk.
- 4. Projections in the Right of Way as follows:
 - a. Where public utility easements, water/sewer lines or irregular lot lines cause conflicts with specific Frontage Types and Frontage Setback Types, Planning and Development staff may modify numeric setback and landscape requirements up to 20 percent and allow build to dimensions to be taken from the back of the public utility easement.
 - b. A minimum 16-foot height clearance needed from public water/sewer lines, unless shade is retractable or an encroachment permit is secured as administered by the City of Phoenix.
- 5. Projections into frontage setbacks.
 - a. Underground parking within frontage setbacks is not considered a projection, provided that the underground structure is not visible from the sidewalk or frontage.
 - b. Maximum projection by porches, patios, balconies and port-cocheres into the required building setback on T3 and T4, not on arterial or light rail streets:
 - (1) Primary Frontage: 10-feet
 - (2) Secondary Frontage: 5-feet.
 - (3) Bay and bow windows may project into the frontage setbacks up to 3-feet.
 - c. Shading devices, attached or detached to façades may project into frontage setbacks as follows:
 - (1) In T3 and T4, may project into any required setback up to 10-feet.
 - (2) In T5 and T6, shading devices may project into any required setback up to the lot line, but not beyond the lot line unless an encroachment permit is obtained as administered by the City of Phoenix.

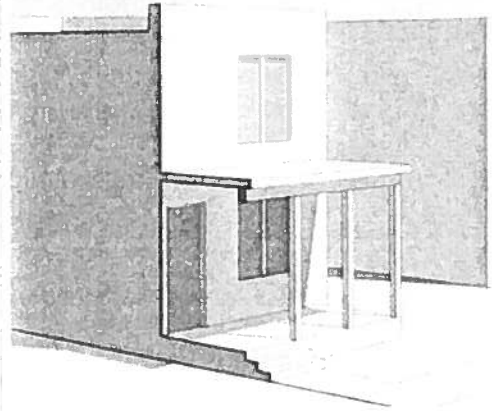
6. Corner Lots abutting an arterial street and along the light rail corridor should enhance the pedestrian and transit oriented environment through at least one of the following:
 - a. Distinctive massing, angled or rounded building corners, courtyards and plazas;
 - b. Architectural features, colors and materials, public art;
 - c. Public entrances should be defined by the use of distinctive materials and colors, and architectural elements;
 - d. Primary entrances should be at the corner or facing both streets.

TABLE 1305.1

FRONTAGE TYPES

FRONTAGE: PORCH

Entry Grade	Maximum of five feet above adjacent grade.
Requirements	<p>(a) Placement: Porch is required at the primary building entry.</p> <p>(b) A primary building entrance per unit is required when fronting a street.</p> <p>(c) Minimum depth: 6-feet</p> <p>(d) Minimum width: 50 percent of the façade.</p> <p>(e) Porches and related structures may project into frontage setbacks as per Section 1305.B.5.</p>



FRONTAGE: STOOP AND DOOR WELL

Entry Grade	<p>A minimum of 24-inches and a maximum of 60-inches elevation above or below sidewalk grade required.</p> <p>Maximum elevation may be increased if frontage designs incorporate patios and as access to second story.</p>
Requirements	<p>(a) A stoop with a primary building entrance per unit is required when fronting a street.</p> <p>(b) Minimum area: 24 square feet</p> <p>(c) Minimum stair width: 36-inches.</p> <p>(d) <i>Stoops</i> and related structures may project into <i>frontage</i> setbacks no more than 30% of their depth in <i>T3</i> and 100% in <i>T4</i> and <i>T5</i>.</p>

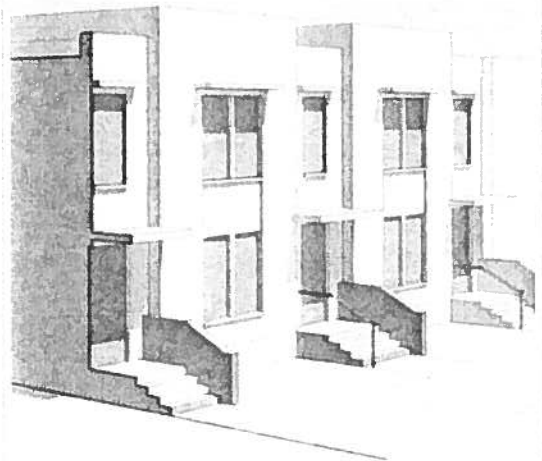
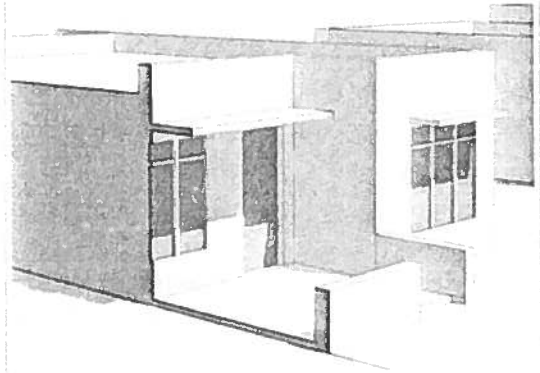


TABLE 1305.1

FRONTAGE TYPES

FRONTAGE: PATIO

Entry Grade	36-inch maximum from sidewalk grade.
Requirements	<ul style="list-style-type: none"> (a) Patio is required at the main building entrance and a primary entrance shall be provided along each frontage. (b) Patios may encroach no more than 6-feet into frontage setbacks. (c) Minimum depth of 8-feet (d) Minimum area: 64 square feet. (e) Patio should be enclosed on each side. Fencing requirements as per Section 1305.C. (f) The area between the property line and main façade of the building which is not improved with permanent hardscape shall be planted with live vegetation ground coverage and shrubs excluding hardscape for pedestrian amenities.



COMMON ENTRY

Entry Grade	Up to 60-inch maximum from sidewalk grade.
Requirements	<ul style="list-style-type: none"> (a) A single collective entry to a multi-tenant lobby is required at the primary building entrance. (b) If the frontage includes a stoop entrance: Stoop minimum dimension: 6-feet Minimum area: 36 square feet (c) <i>Stoops</i> and related structures may project into <i>frontage</i> setbacks no more than 30% of their depth in T3 and 100% in T4 and T5. (d) Canopies and awnings are permitted to project into frontage setbacks up to 100% of their depth.

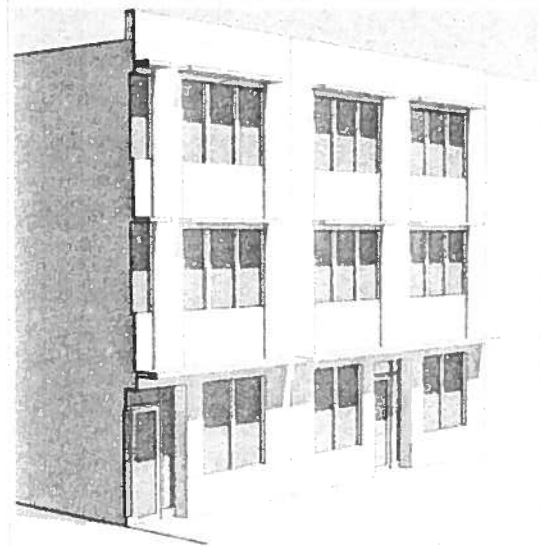
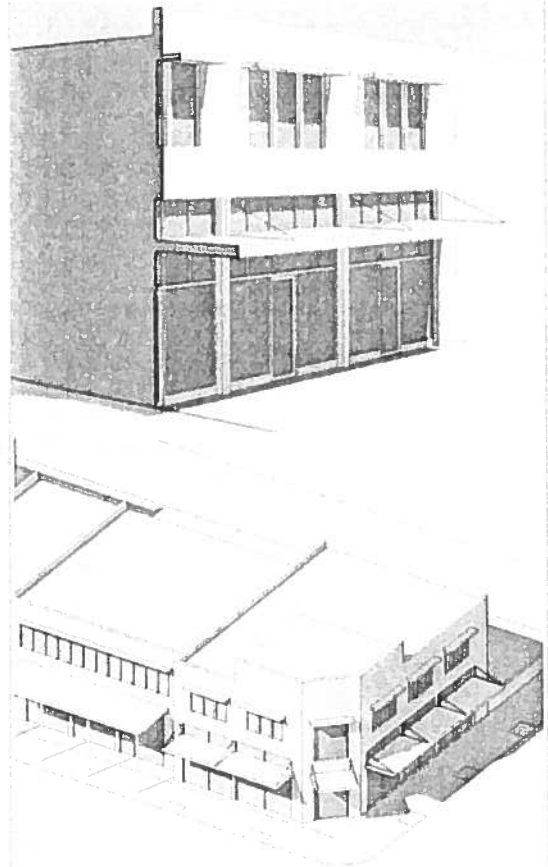


TABLE 1305.1

FRONTAGE TYPES

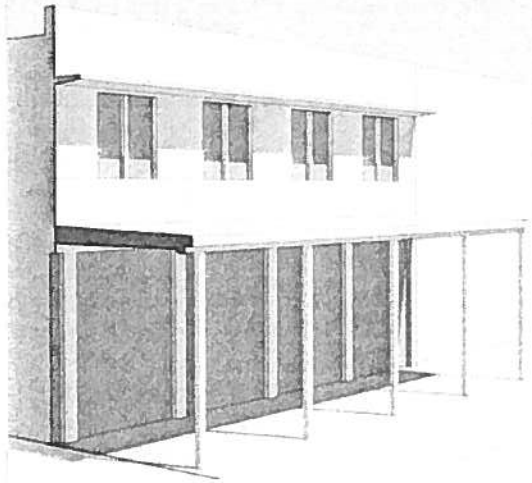
STOREFRONT

Entry Grade	At sidewalk grade
Requirements	<p>(a) Each ground floor storefront should provide a primary entrance that directly connects to the street.</p> <p>(b) Display windows may project into <i>frontage</i> setbacks no more than 5-feet.</p> <p>(c) Ground Floor Glazing: Minimum of 75 percent of the storefront area along a primary street ground floor frontage. Minimum of 50 percent on secondary street ground floor frontage.</p>
Storefront Guidelines	<p>(d) Building entries may be recessed from the façade up to 8-feet in depth.</p> <p>(e) Awnings may project into frontage setbacks up to 100% of their depth.</p> <p>(f) Awnings may encroach into the public right-of-way, covering the sidewalk, with an appropriate permit. A minimum 16-foot height clearance should be provided from public water/sewer lines.</p>



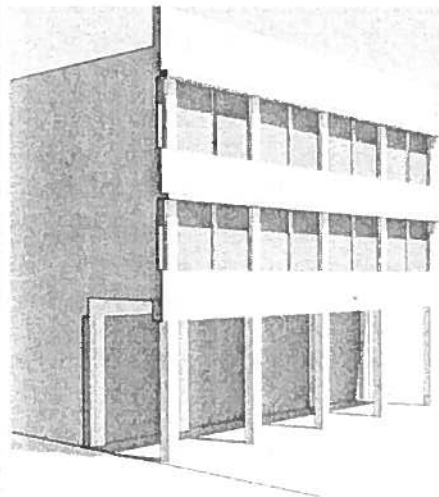
GALLERY

Entry Grade	At sidewalk grade
Requirements	<p>(a) A gallery is required along a minimum of 80% of the frontage.</p> <p>(b) Minimum depth: 10-feet</p> <p>(c) Minimum height clearance: 10-feet. Minimum 16-foot clearance needed from public water/sewer lines.</p> <p>(d) Ground Floor Glazing: Minimum of 75 percent of the storefront along a primary street ground floor frontage. Minimum of 50 percent on secondary street ground floor frontage.</p>
Guidelines	<p>(e) Galleries should project into frontage setbacks for their full depth.</p> <p>(f) Each ground floor commercial suite adjacent to a street shall provide a primary entrance on the street side that directly connects to the street, unless a corner entrance is provided.</p>

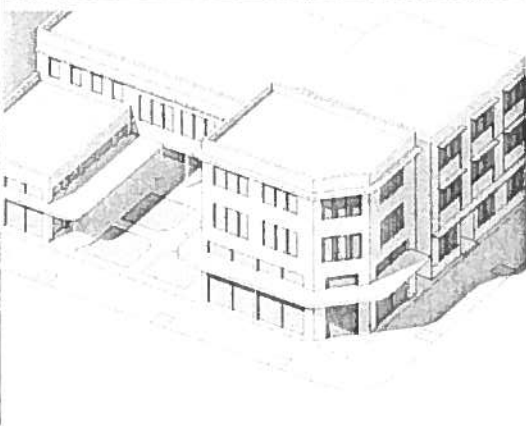


ARCADE

Entry Grade	At sidewalk grade
Requirements	<p>(a) An arcade is required along a minimum of 80 percent of the frontage.</p> <p>(b) Minimum depth: 10-feet</p> <p>(c) Minimum height clearance: 10-feet. Minimum 16-foot clearance needed from public water/sewer lines.</p> <p>(d) Ground Floor Glazing: Minimum of 75 percent of the storefront along a primary street ground floor frontage. Minimum of 50 percent on secondary street ground floor frontage.</p>
Guidelines	<p>(e) Arcades should project into frontage setbacks for their full depth.</p>



FORECOURT

Area	<ul style="list-style-type: none"> (a) Forecourts are allowed to setback from maximum setback standards in T5 and T6. (b) Forecourt areas should be a minimum of 500 square feet with a minimum dimension of 20-feet parallel to the street. (c) A maximum height of 40-inch open view fence permitted at outdoor seating areas and at building setback lines. 	
Shading	<ul style="list-style-type: none"> (a) A minimum of 50 percent of forecourt area shall be shaded, of which 50 percent of the shade should be provided by trees or trellised vines. (b) Shading should be provided for adjacent sidewalk as per Section 1304.F. (c) Tree requirements as per Section 1309, Table 1309.1 and 2. 	
Activation and Glazing	<ul style="list-style-type: none"> (a) Non-residential forecourts: Must be lined with uses on ground floor frontages facing forecourts. 75 percent minimum glazing requirement for frontages within the forecourt. (b) Glazing at street frontage: Minimum of 75 percent of the storefront area along a primary street ground floor frontage and 50 percent on secondary street ground floor frontage. 	

C. Fence Standards.

1. T3 and T4
 - a. Primary frontages: 40-inches maximum height.
 - b. Secondary frontages: 72-inches maximum height. For SFA development: 48-inches maximum height solid fence. Above 48-inches to 72-inches allowed only as a 70-percent open view fence, unless screening above grade utilities or trash enclosures.
2. T5 and T6:
 - a. Primary frontages: 40-inches maximum height.
 - b. Secondary frontages: 48-inches maximum height solid fence. Above 48-inches to 72-inches allowed only as a 70 percent open view fence, unless screening above grade utilities or trash enclosures.

3. For properties located within a Historic Preservation (HP) Overlay District, fences or freestanding walls in the front yard, meaning the space between the structure and the street right-of-way line, may not exceed a maximum height of three-feet, and are conditioned upon obtaining a certificate of appropriateness or no effect in accordance with Section 812 of the Phoenix Zoning Ordinance. This height limitation extends to a point three-feet beyond the front corner(s) of the primary structure.

SECTION 1306 LAND USE MATRIX

A. Applicability. The Land Use Matrix in Table 1306.1 shall apply to all land uses within the WU Code boundaries.

B. Use Regulations.

1. Any use not specifically listed in the Land Use Matrix shall not be permitted with the exception of the following:
 - a. All Residential Uses south of the Light Rail Corridor in the Gateway and Eastlake-Garfield Character Areas require a use permit.
 - b. General Commercial (C-3) and Industrial Uses (A-1). Allowed within the Gateway Transit Character Area as per Section 1312.A.
2. All uses listed will be permitted (P), permitted with conditions (PC), permitted with the approval of a special permit (SP), permitted with the approval of a use permit (UP) or not permitted (NP).
3. When a use permit is required, it shall be obtained in accordance with the standards and procedures of Section 307.
4. Land Use Conditions shall apply to uses that are specified as PC.

TABLE 1306.1. LAND USE MATRIX

CATEGORY: RESIDENTIAL USES	T3	T4	T5:2	T5:3	T5:5	T5:6	T5:7	T6:7 T6:15	T6:22 T6: HWR
Dwelling, Multifamily	NP	P	P	P	P	P	P	P	P
Dwelling, Single-Family, detached	P	P	NP	NP	NP	NP	NP	NP	NP
Dwelling, Single-Family and Duplex, attached	P	P	P	P	P	P	P	P	P
Live-Work	P	P	P	P	P	P	P	P	P
Assisted Living Home 1-10 residents	NP	P	P	P	P	P	P	P	P
Assisted Living Home 11+ residents	NP	UP	UP	P	P	P	P	P	P
Dependent Care Facility 1-6 residents	PC	PC	PC	P	P	P	NP	NP	NP
Dependent Care Facility 7-12 residents	NP	UP	UP	P	P	P	NP	NP	NP
Group Home	UP	UP	UP	UP	P	P	NP	NP	NP
Group Home for the Handicapped 5-10 residents (not including staff)	PC	PC	PC	PC	PC	PC	NP	NP	NP
11+ residents	NP	PC	PC	PC	PC	PC	NP	NP	NP

C. Residential Uses, Land Use Conditions.**1. Assisted Living**

- a. Such home shall be licensed by the State of Arizona.

2. Dependent Care Facility

- a. One to six residents: Standards as per Section 608.D.1. Use Permit required for 7 to 12 residents.

3. Group homes for the handicapped

- a. No such home is located on a lot with a property line within 1,320 feet, measured in a straight line in any direction, of the lot line of another such group home.
- b. Such home is registered with, and administratively approved by, the Zoning Administrator.
- c. The subject property must be at least 1,320 feet away from another registered Handicapped Group home that has 6-10 residents.
- d. Notwithstanding the foregoing, group homes shall not house any person whose tenancy would constitute a direct threat to the health or safety of other individuals or would result in substantial physical damage to the property of others.

TABLE 1306.1. LAND USE MATRIX

CATEGORY: ASSEMBLY USES	T3	T4	T5:2	T5:3	T5:5	T5:6	T5:7	T6:7 T6:15	T6:22 T6: HWR
Assembly, Entertainment	NP	NP	PC	PC	PC	PC	PC	PC	PC
Assembly, General	NP	NP	PC	PC	PC	PC	PC	PC	PC
Assembly, Places of Worship	PC	PC	PC	PC	PC	PC	PC	PC	PC
Commercial Recreation	NP	NP	P	P	P	P	P	P	P
Day Care, Nursery School	PC	PC	P	P	P	P	P	P	P
Schools, Mentally or Physically Handicapped	NP	UP	UP	UP	UP	UP	UP	UP	UP
School, Public and Private	P	P	P	P	P	P	P	P	P
School, Private	P	P	P	P	P	P	P	P	P
Theater	NP	NP	P	P	P	P	P	P	P

D. Assembly Uses, Land Use Conditions.

1. Assembly, Entertainment

- a. Outdoor public event or performances that are open to the public require an administrative temporary use permit.

- b. The outdoor event or performance must be presented by an existing business on the property.
 - c. The business' regularly stocked items may be displayed outdoors and be available for purchase during the event or performance. Payment for all items shall occur indoors. No other items may be displayed for sale outdoors during the event or performance.
 - d. Outdoor entertainment may not start before 7:00 a.m. and must terminate at 11:00 p.m., Monday through Saturday, and 10:00 p.m. on Sunday, except when additional hours are allowed by a use permit.
 - e. No amplified music or loudspeakers may be used outside after 8:00 p.m. on Monday-Thursday and Sundays, and after 10:00 p.m. on Fridays and Saturdays, unless a use permit is obtained.
2. Assembly, General
- a. Any assembly hall or banquet hall of less than 25,000 square feet in gross area, shall be permitted only upon securing a use permit.
 - b. Outdoor uses shall be permitted only upon securing a use permit.
3. Assembly, Places of Worship
- a. As per Section 608.E.
4. Day Care/Nursery School
- a. Outdoor uses or activities must be screened by a minimum 6-foot high solid decorative fence or wall.

TABLE 1306.1. LAND USE MATRIX

CATEGORY: ANIMAL CARE	T3	T4	T5:2	T5:3	T5:5	T5:6	T5:7	T6:7 T6:15	T6:22 T6: HWR
Pet Care Facility, Indoor Only	NP	NP	P	P	P	P	P	NP	NP
Pet Day Care Facility, Outdoor Accessory Uses. As per Section 622.D.126	NP	NP	PC	PC	PC	PC	NP	NP	NP
Laboratory, Research	NP	NP	P	P	P	P	P	P	P
Veterinary Office , Indoor As per Section 622.D.171	NP	NP	PC	PC	PC	PC	PC	PC	PC
Veterinary Office, Outdoor Accessory Uses As per Section 622.D.172	NP	NP	UP	UP	UP	UP	UP	UP	UP
CATEGORY: GENERAL RETAIL	T3	T4	T5:2	T5:3	T5:5	T5:6	T5:7	T6:7 T6:15	T6:22 T6: HWR
General Retail permitted, including all dining and drinking establishments, except with the following conditions:									
General Retail	NP	UP	P	P	P	P	P	P	P
Artist Studio/Gallery	NP	NP	P	P	P	P	P	P	P
Bakery	NP	NP	P	P	P	P	P	P	P
Garden Center, Plant Nursery	NP	NP	NP	P	P	P	P	P	P
Grocery Stores	NP	PC	PC	PC	PC	PC	PC	PC	PC
Guns, Retail Sales, and/or Repairs. As per Section 623.D.82	NP	NP	UP	UP	UP	UP	UP	UP	UP
Liquor, Retail Sales	NP	NP	UP	UP	UP	UP	UP	UP	UP
Second Hand/Used Merchandise Sales	NP	NP	PC	PC	PC	PC	PC	PC	PC
Tobacco Oriented Retailers	NP	NP	PC	PC	PC	PC	PC	PC	PC

Dining and drinking establishments: Nothing in this section shall be construed to include an adult use.									
Bars and Cocktail Lounges	NP	NP	UP	UP	PC	PC	PC	PC	PC
Micro-brewery/Winery	NP	NP	UP	UP	UP	UP	UP	UP	UP
Restaurants	NP	NP	P	P	P	P	P	P	P

E. General Retail, Land Use Conditions.

1. Grocery Stores.
 - a. Ground floor building footprint greater than 50,000 requires use permit.
2. Second Hand or Used Merchandise Sales, subject to the following conditions:
 - a. Midtown and Uptown Districts.
 - (1) No merchandise shall be received and/or processed for sale at another site;
 - (2) Use shall not exceed 2,500 square feet of building area.
 - b. Eastlake-Garfield, Gateway and Solano Districts:
 - (1) Use shall not exceed 5,000 square feet of building area unless a use permit is obtained.
3. Tobacco, Hookah, and Vape (Ecigarettes) Oriented Retailers, subject to the following limitations:
 - a. Shall not be located within 500-feet of the same type use. This distance shall be measured from the property line of the parcel in which the use is conducted to the nearest property line of the parcel of the same type of use.
 - b. Shall not be located within 500-feet of a public, private, community center, or charter school providing primary or secondary education, a park or playground, or a licensed daycare facility. This distance shall be measured from the property line of the parcel in which the use is conducted to the nearest property line of the protected use.

4. Bars and Cocktail Lounges.
 - a. Any bar or cocktail lounge which exceeds 5,000 square feet in gross floor area and is located on a lot or parcel within 300 feet of a single-family residential or historic preservation district shall be permitted only upon securing a use permit. This distance shall be measured from the exterior wall of the building or portion thereof in which the business is conducted or proposed use is to be conducted closest to the residential district zoning line.
 - b. The stage or performance area shall be a maximum of 80 square feet unless a use permit is obtained.
5. Micro Brewery. The facility shall be licensed by the State as a producer, domestic microbrewery or domestic farm winery.

TABLE 1306.1. LAND USE MATRIX									
CATEGORY: SERVICES	T3	T4	T5:2	T5:3	T5:5	T5:6	T5:7	T6:7 T6:15	T6:22 T6: HWR
Bed and Breakfast	NP	P	NP	NP	NP	NP	NP	NP	NP
Clinic, Medical or Dental	NP	NP	P	P	P	P	P	P	P
Business Services	NP	NP	P	P	P	P	P	P	P
Financial Institutions	NP	NP	P	P	P	P	P	P	P
Home Occupation As per Section 608.E.3	PC	PC	P	P	P	P	P	P	P
Hospital	NP	NP	NP	UP	P	P	P	P	P
Hotel As per Section 618.D.11	NP	PC	PC	PC	PC	PC	PC	PC	PC
Laboratory, Medical, Dental or Clinical	NP	NP	P	P	P	P	P	P	P
Medical or Dental Office	NP	NP	P	P	P	P	P	P	P

Office, General	NP	NP	P	P	P	P	P	P	P
Office, Professional As per Section 618.D.12 AND 13.	PC	PC	PC	PC	PC	PC	PC	PC	PC
Personal Services	NP	NP	P	P	P	P	P	P	P
Tattoo/Body-Piercing Studio	NP	NP	P	P	P	P	P	P	P

TABLE 1306.1. LAND USE MATRIX

CATEGORY: LOCAL FOOD PRODUCTION	T3	T4	T5:2	T5:3	T5:5	T5:6	T5:7	T6:7 T6:15	T6:22 T6: HWR
Community Garden As per Section 608.F.3.	UP	UP	UP	UP	UP	UP	UP	UP	UP
Farmers Markets As per Section 608.F.4.	UP	UP	UP	UP	UP	UP	UP	UP	UP

CATEGORY: AUTOMOTIVE, COMMUNICATIONS AND UTILITIES	T3	T4	T5:2	T5:3	T5:5	T5:6	T5:7	T6:7 T6:15	T6:22 T6: HWR
Motor Vehicle Service Station, Fuel Sales	NP	NP	PC	PC	PC	PC	PC	PC	PC
Motor Vehicle Service and Repair, Minor	NP	NP	PC	PC	PC	PC	PC	PC	PC
Bus Terminal	NP	NP	NP	UP	UP	UP	UP	UP	UP
Wireless Communications As per Section 715.	NP	NP	PC	PC	PC	PC	PC	PC	PC

F. Automotive, Communications and Utilities, Land Use Conditions

1. Motor Vehicle Service Station, Fuel Sales.

- a. Shall not be located within 1320 feet from a Light Rail station.
 - b. Gasoline pumps must not be located between the main building and primary frontages.
2. Motor Vehicle Service and Repairs, Minor.
- a. Shall not be located within 1320 feet from a Light Rail station.
 - b. Vehicle and parts storage must not be visible from street frontages or adjacent to single-family residential or historic preservation district.
 - c. Not permitted in the Uptown or Midtown Character Areas.

TABLE 1306.1. LAND USE MATRIX

CATEGORY: ACCESSORY USES	T3	T4	T5:2	T5:3	T5:5	T5:6	T5:7	T6:7 T6:15	T6:22 T6: HWR
Accessory Dwelling Unit	P	P	P	P	P	P	P	P	P
Accessory Dwelling Unit – Guest	P	P	P	P	P	P	P	P	P
Accessory Structure	P	P	P	P	P	P	P	P	P
Compressed Natural Gas (CGN) Retail Sales	NP	NP	UP	UP	UP	UP	UP	UP	UP
Drive-Through	NP	NP	PC	PC	PC	PC	PC	PC	PC
Helistop/Heliport	NP	NP	NP	SP	SP	SP	SP	SP	SP
Home Occupation As per Section 608.E.3.	PC	PC	PC	PC	PC	PC	PC	PC	PC
Liquor Service	NP	NP	UP	UP	UP	UP	UP	UP	UP
Massage Therapy	NP	NP	PC	PC	PC	PC	PC	PC	PC
Motor Vehicle and Sales (new) and Leasing	NP	NP	NP	PC	PC	PC	PC	PC	PC
Motor Vehicle Washing	NP	NP	PC	PC	PC	PC	PC	PC	PC
Outdoor Cooking	NP	NP	UP	UP	UP	UP	UP	UP	UP

Outdoor Dining	NP	NP	PC	PC	PC	PC	PC	PC	PC
Outdoor Display/Sales	NP	NP	UP	UP	UP	UP	UP	UP	UP
Outdoor Music and Entertainment	NP	NP	PC	PC	PC	PC	PC	PC	PC
Outdoor Liquor Service	NP	NP	UP	UP	UP	UP	UP	UP	UP
Outdoor Storage Permitted only as per Sections 1312.A and B.	NP	NP	NP	PC	PC	PC	NP	NP	NP
Patron Dancing	NP	NP	PC	PC	P	P	P	P	P
Pocket Shelter (accessory to Religious Assembly)	UP	UP	UP	UP	UP	UP	UP	UP	UP

G. Accessory Uses, Land Use Conditions

1. Massage Therapy.
 - a. Permitted as accessory use to beauty shops and tanning salons when performed by a licensed therapist.
2. Motor Vehicle Rental, Motor Vehicle Sales (new) and Leasing.
 - a. Allowed as accessory use only.
 - b. Outdoor vehicle display and vehicle parking must not be located within street frontages.
 - c. No on-site maintenance or washing allowed.
 - d. Maximum of 15 automobiles on site.
3. Motor Vehicle Washing.
 - a. Shall not be located within 1320 feet from a Light Rail station.
 - b. Vehicular ingress and egress from carwashes must be onto internal circulation ways, not directly onto frontages. All outdoor activities, including hand drying and vacuuming should be located behind the structure and away from the right-of-way.

4. Drive-Through.

- a. Allowed as an accessory use only.
- b. Drive-through and related queuing are not permitted between the principal building and frontages on arterial or light rail streets.
- c. Drive-through windows and drive-through queuing must be screened from the view from the right-of-way on all other streets by a 40-inch high decorative wall or solid evergreen hedge.

5. Outdoor Dining.

- a. Outdoor recreation uses, outdoor dining, and outdoor alcoholic beverage consumption shall be permitted as accessory uses only upon securing a use permit, if within 500-feet of a single-family residential or historic preservation district zoning line. This distance shall be measured from the exterior wall of the building or portion thereof in which the business is conducted or proposed use is to be conducted closest to the residential district zoning line.

6. Outdoor Music or Entertainment.

- a. Accessory to restaurants, bars and cocktail lounges, subject to the following conditions:
 - (1) Shall be permitted only upon securing a use permit, if within 500-feet of a single-family residential or historic preservation district zoning line. This distance shall be measured from the exterior wall of the building or portion thereof in which the business is conducted or proposed use is to be conducted closest to the residential district zoning line.
 - (2) The stage or performance area shall be a maximum of 200-square feet unless a use permit is obtained.
 - (3) The noise level, measured at any point on the property, shall not exceed 55 dBa unless a use permit is obtained. An occurrence where the sound level increases up to 60 dBa for five continuous seconds or less shall not be deemed a violation of this section as long as there are no more than five occurrences within an hour long interval.
 - (4) Patron dancing shall be permitted upon securing a use permit.

- (5) Nothing in this section shall be construed to include an adult use.

TABLE 1306.1. LAND USE MATRIX									
CATEGORY: INTERIM USES	T3	T4	T5:2	T5:3	T5:5	T5:6	T5:7	T6:7 T6:15	T6:22 T6: HWR
Interim Vacant Land Uses	PC	PC	PC	PC	PC	PC	PC	PC	PC
Environmental Remediation Facility As per 608.F.2.	UP	UP	UP	UP	UP	UP	UP	UP	UP
Surface parking Lot	NP	NP	NP	UP	UP	UP	UP	UP	UP
Civic Event	NP	NP	P	P	P	P	P	P	P
(P) Permitted (PC) Permitted with Conditions (UP) Use Permit (SP) Special Permit (NP) Not Permitted									

H. Interim Uses, Land Use Conditions

1. Interim Vacant Lot Activation.
 - a. Allowed if the property is adjacent to an arterial street with light rail tracks and light rail transit stations. Design review of structures shall be done through an administrative temporary use permit (ATUP) to ensure compatibility and consistency with zoning ordinance design standards.
 - b. Allowed with use permit if property outside the areas noted above but within the Transit District Policy Plans for Gateway, Eastlake-Garfield, Midtown, Uptown and Solano.

SECTION 1307 PARKING STANDARDS

- A. **Applicability.** This Section includes parking and loading standards. The following standards shall apply unless modified by the Character Area (Section 1312).
 1. Section 702.D is replaced by this Section unless noted otherwise.

2. Sections 702.C., 702.E.6, 702.E.7 and 702.E.8 remain applicable unless modified in Section 1307.
3. General Commercial (C-3) and Light Industrial (A-1) loading standards as per Section 1312.A. and B.

B. Required Vehicular Parking.

1. Vehicular parking must be provided for each use in accordance with Table 1307.1 and as follows:
 - a. Minimum required vehicular parking is the sum of parking required for each use within a lot.
 - b. Accessory dwellings in T3 and T4 require one parking space per unit.
 - c. Vehicular parking may be limited to a maximum number of spaces by parking districts where established.
 - d. Other uses not identified on Table 1307.1. shall follow Section 702 standards.
2. Underground parking and service spaces, located below the pre-development ground level, may occupy up to 100-percent of the lot area.

TABLE 1307.1. MINIMUM REQUIRED VEHICULAR PARKING						
USE	MEASURE	T3	T4	T5 1-5 Stories	T5 6-10 Stories	T6
Residential, Single -Family	per unit	2.0	n/a	n/a	n/a	n/a
Residential: Single-Family Attached and Multifamily	(1) As per Section 702. Additional 25% reduction when the off-street parking area is located within 1,320 feet from a Light Rail Station when measured in a direct line from the building, and 10% reduction of required parking if the development is greater than 1,320 feet from a Light Rail Station. The minimum required on-site vehicular parking is exclusively for the patrons of the subject parcel.					

TABLE 1307.1. MINIMUM REQUIRED VEHICULAR PARKING

USE	MEASURE	T3	T4	T5 1-5 Stories	T5 6-10 Stories	T6
Assisted Living and Group Home	per bedroom	1	0.75	0.75		0.5
General Retail Sales	1 space per sf	n/a	n/a	300 sf 375 sf ⁽¹⁾		600 sf 800 sf ⁽¹⁾
Dining and Drinking Establishments	1 space per sf	n/a	n/a	100 sf	300 sf 375 sf ⁽¹⁾	600 sf 800 sf ⁽¹⁾
Lodging	per room	n/a	0.75	0.5		0.5
Office and Professional Uses	1 space per sf	n/a	n/a	300 sf 375 sf ⁽¹⁾		500 sf 625 sf ⁽¹⁾
Affordable Housing	per unit	0.85	0.75	0.5		0.5
Adaptive Reuse	As per Section 702.E.8					
Medical Offices: Doctors, Dentists, Clinics, Centers	1 space per sf	n/a	n/a	240 sf		300 sf
Fitness Center - Accessory to primary use for private residential or tenant use	None required					
Fitness Center, Commercial	Permitted as per Section 702.C.					
(1) Additional reduction when the off-street parking area is located within 1,320 feet from a Light Rail Station when measured in a direct line from the building. The minimum required on-site vehicular parking is exclusively for the patrons of the subject parcel.						

C. Vehicular Parking Reductions.

1. Special needs population. Additional reductions may be allowed as per Section 702.E.6.
2. Shared Parking.

- a. The standard shared parking model developed and administered by the Planning and Development Department shall be used for shared parking reductions.
- b. The standard shared parking model developed and administered by the Planning and Development Department shall be used for shared parking reductions.
 - (1) Multiple connected lots with a recorded, non-revocable share use parking agreement
 - (2) Public or private parking facilities;
 - (3) Parking district managed facilities.
- c. A reduction in required parking up 15 percent may be granted by the Planning and Development Department Traffic Engineer under the following conditions:
 - (1) Required parking as per Table 1307.1 and Section 1307.B.
 - (2) Properties or businesses approved to share parking must be approved under a combined site plan.

D. Required Loading and Service Bays.

- 1. On-site loading shall be required for all development as follows:
 - a. Loading bays are required in the amounts specified in Table 1307.2, calculated as the total area of each use category within a building;
 - (1) The areas of retail and office uses within a single building may be combined for use in Table 1307.2
- 2. Loading docks and service areas are limited to the following locations:
 - a. At secondary frontages within 50-feet of the rear lot line.
 - b. Where lots have no secondary frontage and lot width exceeds 120-feet, at primary frontages limited to 30-feet in length.
 - c. At rear or side of the building not facing the right-of-way.

- d. Alley access to loading docks and service areas may be allowed if no Single-Family or Historic Preservation zoned district or Historic neighborhood is adjacent to the alley.

TABLE 1307.2. REQUIRED LOADING AND SERVICE BAYS

Square footage per net site area.

USE	25,000 – 40,000 SF	40,000 - 160,000 SF	160,001 - 320,000 SF	320,001 - 400,000 SF	> 400,000 SF
Multifamily Residential	0	1	1	1	1
Lodging	0	1 / 300 rooms	1 / 300 rooms	1 / 300 rooms	1 / 300 rooms
General Retail, Commercial and Office Uses	0	1	2	3	1 per additional 180,000 sf
USE	25,000 – 40,000 SF	40,000 - 100,000 SF	100,001 - 160,000 SF	160,001 - 240,000 SF	> 240,000 SF
General Commercial and Industrial. Additional requirements per Section 1312.	1	2	3	4	1 per additional 80,000 sf

E. Off-street Parking Location and Access.

1. Parking must be set back from frontages according to Table 1303.2, except where parking is located underground.
2. Where vehicular parking is required, parking may be fulfilled in the following locations:
 - a. Parking spaces provided within the lot.
 - b. Parking spaces provided along a parking lane (on-street) corresponding to lot frontages.
 - c. Parking spaces leased or with recorded shared parking agreement from a private or public parking facility.

- (1) A shared parking agreement with the parking facility owner must specify the number of leased/shared spaces.
 - (2) A pedestrian entrance to the parking facility must be within 1,320-feet, along a publicly accessible path, from a building entry providing access to the uses the parking spaces will serve.
 - d. Parking spaces managed by an established parking district.
- 3. Vehicular access to off-street parking is restricted as follows:
 - a. One access point (curb-cut) is permitted for every 100-feet of frontage except for T3 transect districts or if lot width narrower than 100-feet.
 - b. Lots with secondary frontages should not provide access points along the primary frontage. Driveways are allowed on the primary frontage if there is no alley or secondary right-of-way frontage.
 - c. Lots with alley access should provide a minimum of one vehicular access point from an alley. Refer to Section 1312 under specific Character Areas for modifications.
- 4. Pedestrian access to off-street parking should be provided from frontages, according to the following:
 - a. A minimum of one walkway, stair, or elevator access point should be provided between each lot frontage and off-street parking areas at or above sidewalk grade.
 - b. Pedestrian access walkways should be a minimum of 5-feet in width in T5 and 8-feet in T6. Exceptions identified in Section 1312.

F. Off-street Parking Design.

- 1. Front setback from street right-of-way: Minimum 10-feet or Table 1303.2, whichever is greater.
- 2. Side and rear landscape setback:
 - a. Adjacent to single-family residential districts and Historic Preservation properties or districts: Minimum 10-feet. Trees should be placed 25-feet on center or equivalent group.

- b. When adjacent to non-residential zoning district: zero-feet.
- 3. Surface parking as a primary use is limited to a period of 5 years, subject to a use permit.
 - a. At the conclusion of five years, the Zoning Adjustment Hearing Officer may allow an extension of the use permit for up to five additional years.
- 4. Surface parking lots should provide a minimum landscape screening as follows:
 - a. A minimum of one 2-inch caliper shade tree should be provided for every 10 vehicular parking spaces, and 20-feet on center or equivalent grouping within setbacks per table 1303.2.
 - b. Vehicles should be screened by a 40-inch high decorative wall or solid evergreen hedge when adjacent to right of way or a minimum 6-foot wall if adjacent to single-family residential or historic preservation district.
- 5. Off-street parking in T3 is not subject to the design requirements of this section.
- 6. Surface parking lots should be configured to share access point and circulation with adjacent surface parking lots, subject to a shared access agreement.

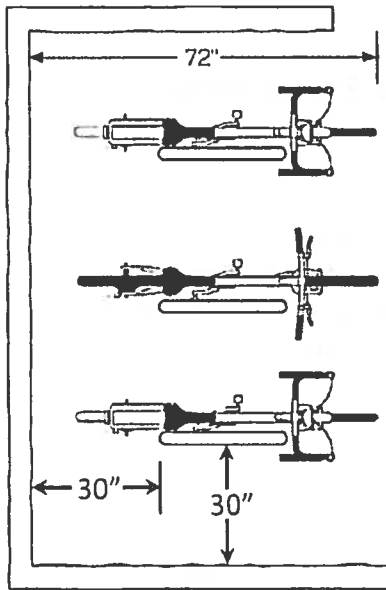
G. Parking Garage Design Guidelines.

- 1. The parking structure exterior should be finished with architectural embellishments and detailing that will create visual interest for adjoining properties and enhance the public right-of-way.
- 2. Lighting within the parking structures should provide safety and security.
- 3. Rooftop lighting should be set back a minimum of 25-feet from the perimeter of the rooftop parking structure and shall be a maximum of 12-feet in height
- 4. There should be a convenient, clear, safe and efficient internal circulation system within the parking structure for both pedestrian and vehicular traffic including appropriate signage and placement of pedestrian circulation cores (elevators and stairs).

5. Appropriate visibility triangles and pedestrian crossings at exits and entrances should be provided in all parking structures.
6. Parking structures should not be adjacent to streets but should be adjacent to alleys if not adjacent to single-family residential or Historic Preservation properties or districts or be internal to the site.

H. Bicycle Parking.

1. Bicycle parking required may be placed in the frontage setback and may be allowed in the right-of-way subject to review by the Planning and Development Department Traffic Engineer.
2. Bicycle parking should comply with ADA requirements and not impede on-site pedestrian access. A clearance of at least four-feet in width must be provided for pedestrian access.
3. Bike racks and/or storage areas should be located within 50-feet from building entry points.
4. A bicycle rack should be a minimum of 30-inches from a wall or other obstruction. The minimum length for a bicycle parking should be 72-inches.



5. Bike racks and/or storage areas should be located near high traffic areas and visible to the public, but should not impede the function of the pedestrian way.

6. Bicycle parking and amenity standards.
 - a. All non-residential uses over 5,000 square feet floor area shall provide one bicycle space per 25 vehicle parking spaces, with a maximum of 25 spaces.
 - b. Dining and drinking establishments less than 5,000 square feet should provide a minimum of four bicycle spaces in the frontage setback and/or right-of-way if no vehicle parking is provided.
 - (1) When vehicle parking space is provided, additional one bicycle space for every 25 vehicle parking spaces should be provided.
 - c. Commercial retail and office uses over 100,000 square feet in building area should provide a minimum of two shower stalls and ten lockers that are accessible to the building's occupants.
 - (1) Bicycle parking shall be provided at one space per 25 vehicle parking spaces, with a maximum of 50 spaces.
 - d. Multifamily residential development should provide common bicycle parking at 0.25 spaces for each residential unit, with a maximum of 50 spaces.

SECTION 1308 SIGNAGE STANDARDS

A. Applicability

1. This Section establishes the standards for the number, size, placement, and physical characteristics of on-premise signs visible from a public way or adjacent property. These regulations do not restrict the content of on-premise signs nor signs invisible from a public way or adjacent property.
2. Relationship to Section 705:
 - a. Sections 705.A, B, C, E, F, G, and H apply in their entirety;
 - b. Section 705.D is replaced by this Section, with the exception of 705.D.8., 9., and 10.

B. Prohibited Signs

1. Signs with the following features are prohibited:

- a. Signs placed above or on top of any portion of the roof or front parapet;
- b. Signs utilizing animation or which contain the optical illusion of movement, except as provided by a use permit;
- c. Inflatable signs, such as but not limited to balloons, gas inflated signs or similar inflated signs;
- d. Portable signs, except for A-Frame signs as per Table 1308.1;
- e. Commercial flags, banners, streamers, or other similar advertising devices;
- f. Signs advertising goods or services not provided on the premises except for non-commercial signs;
- g. Yard signs.

C. Permitted Signs and Sign Restrictions

- 1. Permitted sign types are limited by transect sub-district and the following restrictions according to Table 1308.1:
 - a. The number of signs per sign type;
 - b. The area of signs;
 - c. The height of sign copy.
- 2. Additional sign restrictions apply per sign type according to Table 1308.2.
- 3. A permit is required for the installation or modification of all signs as specified in Table 1308.1.
 - a. Signs projecting into rights-of-way require an encroachment permit as administered by the City of Phoenix, and if applicable, approval from affected public utility companies.
 - b. Signs not requiring a permit must meet all of the requirements of this section.
- 4. All signs must provide the following clearance except where specified otherwise:

- a. Minimum 8-feet over pedestrian ways;
 - b. Minimum 10-feet over vehicular ways and parking aisles.
5. Illuminated signs are permitted as follows:
- a. All signs may be illuminated by a light source external to the sign;
 - b. Internal sign illumination is limited to:
 - (1) Window and wall signs at storefront frontages;
 - (2) Ground and canopy signs.

D. Permit Conditions

- 1. Wall signs on buildings in a designated Historic Preservation Zoning District exceeding applicable size regulations may be allowed by the Historic Preservation Commission in accordance with the procedure set forth in Section 812.C.3., and upon the additional finding that the proposed signage replicates the size, shape, and placement of the first permitted wall signage on the building.

TABLE 1308.1. GENERAL SIGN RESTRICTIONS

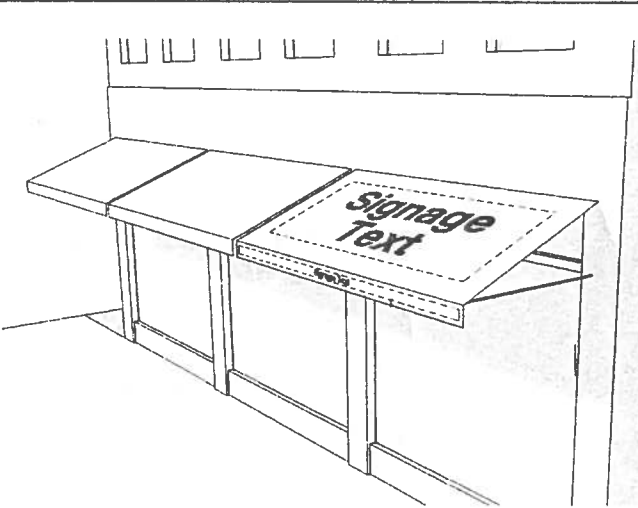
SIGN TYPE	T3	T4	T5	T6	PERMIT	TIME PERIOD	SIGN NUMBER	MAX. SIGN AREA	MAX. COPY HEIGHT
Awning		•	•	•	R	P	1 sloping plane, plus 1 valence per awning	75% of sloping plane; 75% area of awning valence	16 in. on sloping plane; 8 in. on valence
Canopy			•	•	R	P	1 per canopy	2 sf per linear foot of storefront	30 in. max.
Corner			•	•	R	P	1 per building	40 sf.	n/a
Directional			•	•	R	P	2 per driveway	6 sf.	n/a
Display Case			•	•	R	P	1 per business	6 sf.	n/a
Ground	•	•	•	•	R	P	1 per frontage	36 sf.	n/a
Kiosk			•	•	R	P	n/a	24 sf.	18 in.

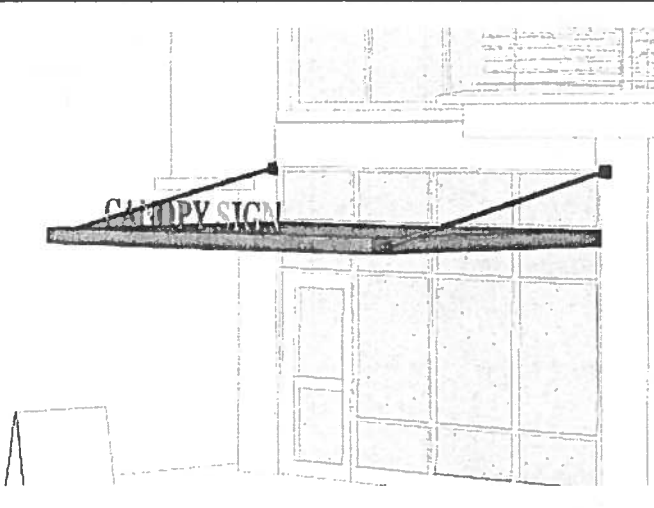
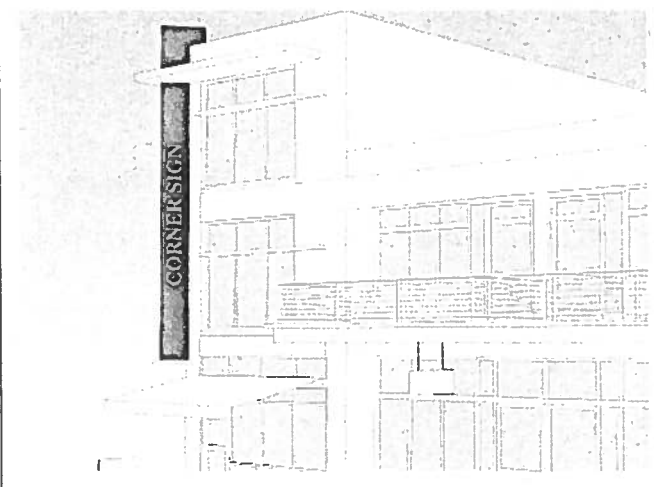
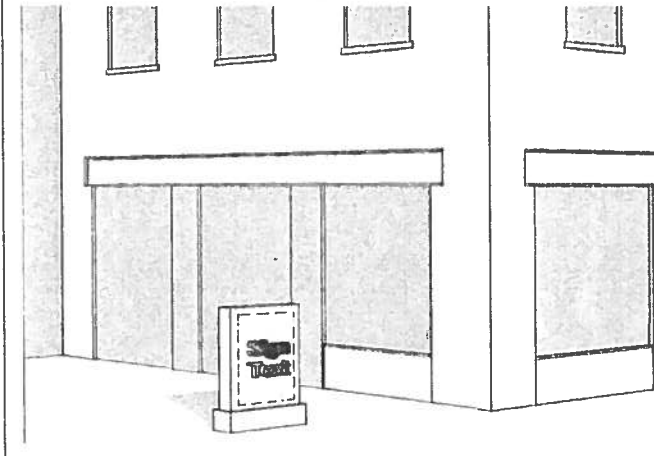
Marquee		•	•	R	P	1 per entry	3 sf. per 1 linear ft. up to 90% of the width of tenant space	n/a
Projecting	•	•	•	R	P	1 per tenant	6 sf.	8 in.
A-Frame	•	•	•	n/a	T	1 per tenant	9 sf.	n/a
Suspended	•	•	•	R	P	1 per entry	6 sf.	n/a
Wall Sign		•	•	R	P	1 per frontage	3 sf. per 1 linear ft. up to 90% of the width of tenant space	18 in.
Wall Mural Sign		•	•	R	P	1 per frontage	see Table 1308.2	n/a
Window	•	•	•	R	P	n/a	25% of glazed area	12 in.
Window: Neon & LED		•	•	R	P	n/a	25% of glazed aggregate area	12 in.

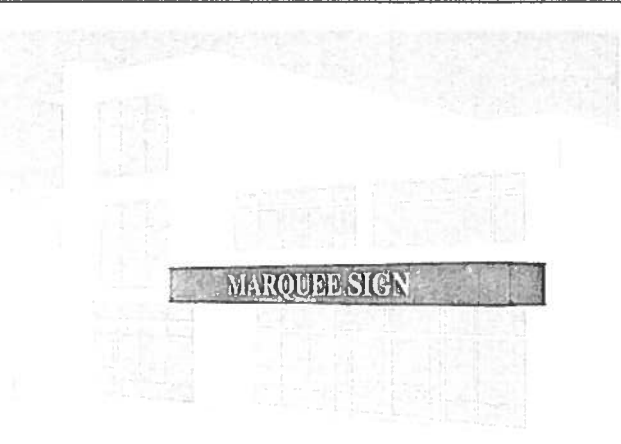
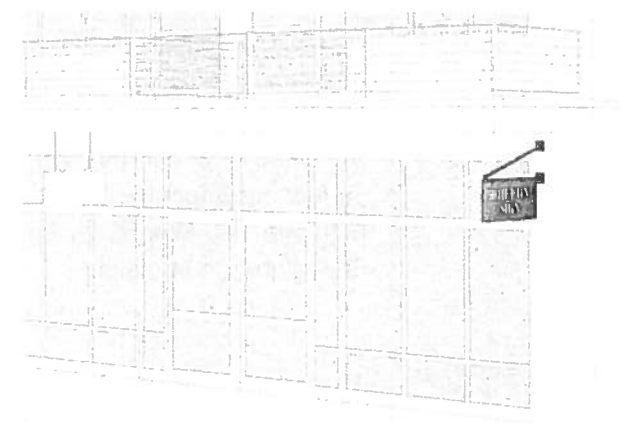
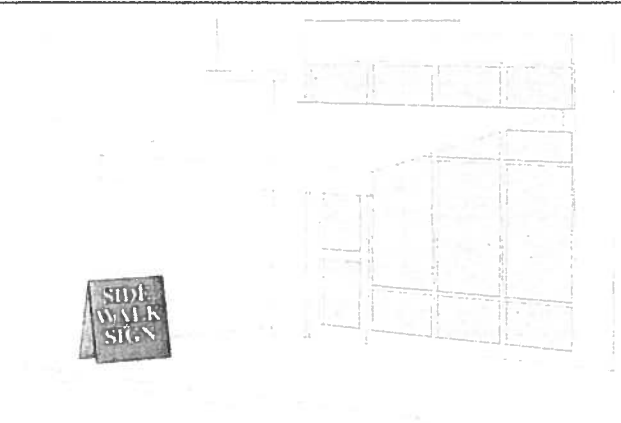
PERMIT: (R) Required (n/a) Not Required

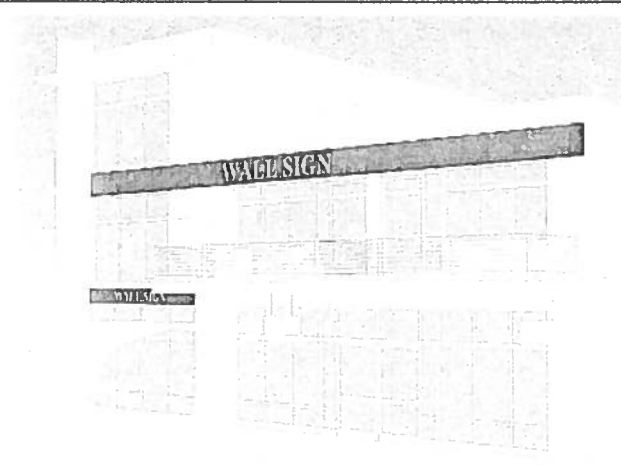
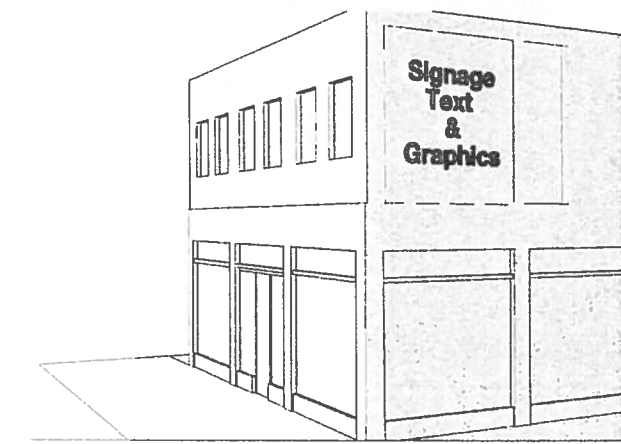
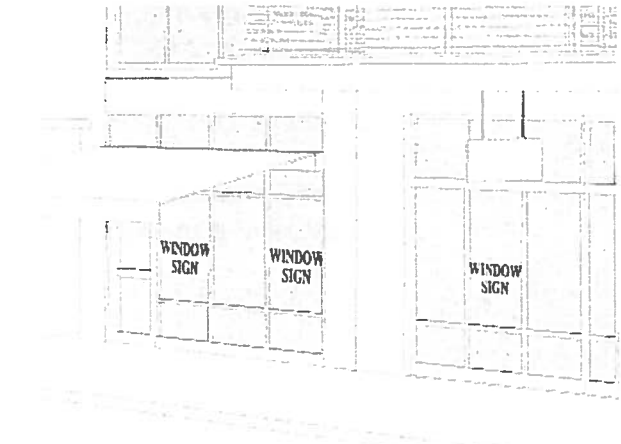
PERMIT PERIOD: (P) Permanent (T) Temporary

TABLE 1308.2. SPECIFIC SIGN REGULATIONS

AWNING SIGN		
Requirements	Valance sign area must maintain a minimum one-inch border.	 <p>The diagram shows a perspective view of an awning sign structure. It consists of a horizontal valance supported by vertical posts. A sign panel is attached to the valance, displaying the words 'Signage Text' in a stylized font. The sign panel has a dashed border around it. The entire structure is mounted on a building facade.</p>

CANOPY SIGN		
Requirements	<p>Canopy signs may be externally illuminated, neon or LED.</p> <p>Fixtures must be shielded to prevent glare.</p> <p>Conduit, raceways, and wiring may not be exposed to view from the sidewalk.</p>	
CORNER SIGN		
Requirements	<p>Corner signs may be located only at the corner of a building with both primary and secondary frontages. Internally or externally illuminated.</p>	
GROUND SIGN		
Requirements	<p>Ground signs must be constructed of durable materials.</p> <p>Ground signs must be located within or interior to frontages.</p> <p>Ground signs located within 6-feet of buildings must be integrated into the building façade.</p>	

MARQUEE SIGN		
Requirements	<p>Marquee signs may project to within 2-feet of the curb. May require an encroachment permit.</p> <p>Marquee signs may be combined with a canopy sign or a projecting sign.</p>	 <p>A diagram showing a building facade with a large, rectangular sign that is illuminated from within. The sign is labeled "MARQUEE SIGN" in a bold, sans-serif font. The sign is mounted on the building and extends slightly from the facade.</p>
PROJECTING SIGN		
Requirements	<p>Projecting signs may project up to 3-feet from façades.</p> <p>Projecting signs may be double-sided.</p>	 <p>A diagram showing a building facade with a sign that is mounted on the wall and extends outwards. The sign is labeled "PROJECTING SIGN" in a bold, sans-serif font. The sign is mounted on the building and extends slightly from the facade.</p>
A-FRAME		
Requirements	<p>A-Frame signs may not be located within 3-feet of a curb.</p> <p>Maximum size: 3-foot high and 30 square feet if located within the public street setback.</p> <p>Sign may not block the sidewalk or ADA accessible route.</p>	 <p>A diagram showing a building facade with a sign that is mounted on the wall and extends outwards. The sign is labeled "A-FRAME SIGN" in a bold, sans-serif font. The sign is mounted on the building and extends slightly from the facade.</p>

WALL SIGN		
Requirements	<p>Wall signs may be externally illuminated, neon or LED. Fixtures must be shielded to prevent glare. Conduit and wiring shall not be exposed.</p>	
WALL MURAL SIGN		
Requirements	<p>Only text or graphics painted directly on the wall or a graphic mural are permitted. Sign area is further restricted to 50-foot maximum width. Sign area is further restricted to 56-foot maximum height.</p>	
WINDOW SIGN		
Requirements	<p>The following window signs are permitted: letters painted directly on the window, neon signs, LED signs, hanging signs hung behind the glass, and vinyl applique letters applied to the window. Appliques must consist of individual letters or graphics with no visible background.</p>	

SECTION 1309 LANDSCAPE STANDARDS

A. General Standards

1. Street trees and landscaping treatments shall be used for the entire site exclusive of building(s) and structural shade provided in accordance with the landscaping requirements in this section, unless there is a conflict with an existing or proposed public utility easement.
2. Planning and Development Department staff has the authority to accept modifications to landscaping requirements in the streetscape to accommodate public utility easement conditions, and to accept alternative design solutions consistent with a pedestrian environment.
3. If street trees cannot be planted in the right-of-way, architecturally or artistically integrated public amenities should be provided. Amenities may include but not be limited to the following:
 - a. Structural shade elements (may be cantilevered)
 - b. Seating (benches/chairs)
 - c. Public art elements
 - d. Community information/news event board/kiosk
 - e. Area wayfinding signage
 - f. Designer light fixtures
 - g. Additional bike racks
4. Streets furniture may be located within the planter area. Street furniture may be located on public sidewalks only when additional width is available in compliance with ADA accessibility requirements.

B. Planting Guidelines

1. Shade trees are limited to those specified in Table 1309.1. Alternate tree species may be approved if they are on the Arizona Department of Water Resources Phoenix AMA-3550 list. Tree locations in conflict with overhead power lines may use alternative tree species that are on the approved SRP or APS utility plant list.

- a. Minimum caliper: two-inches.
 - b. Trees in the right-of-way should be placed 25-feet on center or equivalent grouping.
 - c. A minimum two-foot six-inch radius shall be clear of hardscape around the base of the tree.
 - d. At installation a minimum 30 percent of all trees shall have a minimum caliper of three inches.
 - e. 50 percent living vegetation ground coverage should be provided when a landscape strip is present or required as part of redevelopment.
 - f. When providing a double row of trees in the front setback or in the right-of-way, trees should be a minimum of two-inch caliper with 30 percent of all trees a minimum of three-inch caliper. The rows should be placed parallel on either side of the sidewalk and when possible, staggered, to provide for maximum shade.
2. Soil volume for shade tree planting is required according to tree spacing as specified on Table 1309.2 and as follows:
- a. Root paths, soil trenches, soil vaults, engineered soil solutions, and suspended sidewalk systems are permitted to meet soil volume requirements.
 - b. Up to 20 percent of required soil volume may be fulfilled by structural soil.
 - c. Soil compacted during construction should be excavated and water settled.
3. All trees planted within ten-feet of a public water/sewer main must comply with the Water Services Department's Design Standards Manual for Water and Wastewater Systems or as approved by the Water Services Department.

C. Tree Species Guidelines. The following should be used in accordance with the guidelines established below for type of trees within the WU Code.

TABLE 1309.1 PERMITTED SHADE TREES

BOTANICAL NAME	COMMON NAME	T3	T4	T5	T6	HEIGHT (FT)	SPREAD (FT)
Acacia salicina	Willow acacia			P	P	30	20
Acacia stenophylla	Shoestring acacia	P	P	P	P	30	20
Celtis reticulata	Netleaf hackberry	P	P			25	25
Dalbergia sissoo	Indian rosewood	P	P	P	P	40	25
Ebenopsis ebano	Texas ebony	P	P			30	20
Eucalyptus erythrocorys	Red-cap gum	P	P	P	P	25	15
Eucalyptus microtheca	Coolibah	P	P	P	P	35	25
Eucalyptus papuana	Ghost gum	P	P	P	P	40	25
Fraxinus velutina fan west	Fan west ash	P	P	P	P	50	30
Fraxinus velutina bonita	Bonita ash	P	P	P	P	30	25
Olea Europaea	Swan hill, Wilsonii, Majestic beauty - fruitless olives	P	P	P	P	30	25
Olneya tesota	Desert ironwood	P	P			25	25
Parkinsonia desert museum	Desert museum palo verde	P	P			30	25
Parkinsonia florida	Blue palo verde	P	P			25	20
Parkinsonia praecox	Palo brea	P	P			25	25
Pistacia chinensis	Chinese pistache	P	P	P	P	40	25
Prosopis South American hybrid	Thornless mesquite	P	P			30	20
Prosopis glandulosa	Honey mesquite	P	P			30	30
Prosopis velutina	Velvet mesquite	P	P			25	35
Quercus virginiana	Live oak	P	P	P	P	40	30
Ulmus parvifolia	Evergreen elm	P	P	P	P	40-60	30
UNDERSTORY TREES							
Acacia aneura	Mulga	P	P	P	P	20	15

Ceiba speciosa	Silk floss tree	P	P			30	25
Chilopsis linearis	Desert willow	P	P	P	P	25	20
Chitalpa tashkentensis	Chitalpa	P	P	P	P	25-30	20
Havardia pallens	Tenaza	P	P	P	P	25	15
Pittosporum phillyraeoides	Willow pittosporum	P	P	P	P	20	15
Schinus terebinthifolius	Brazilian pepper tree	P	P			20	15
Vachellia farnesiana	Sweet acacia	P	P			20	20

**TABLE 1309.2
SHADE TREE SOIL VOLUME**

Spacing	Soil Volume (Cubic Feet)		
	500 cf	750 cf	1000 cf
30 feet			X
25 feet		X	
20 feet	X		

D. Existing Landscape

1. Existing noxious or invasive plants species identified in Table 1309.3. should be removed.
2. Removal of existing plants meeting the following criteria should be minimized:
 - a. Trees with four-inch caliper or larger;
 - b. Native cacti three-foot and taller or non-native cacti six-foot and taller.

E. Prohibited Plants

1. The following plants are prohibited:
 - a. Artificial plants and artificial turf except at active recreation sports fields.

- b. Noxious or invasive plants species as identified on the University of Arizona Non-native Invasive Plants of Arizona list and Table 1309.3.

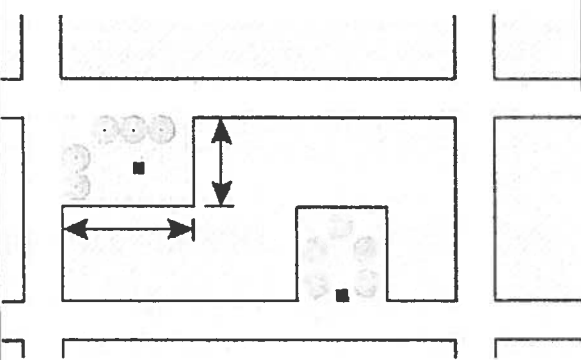
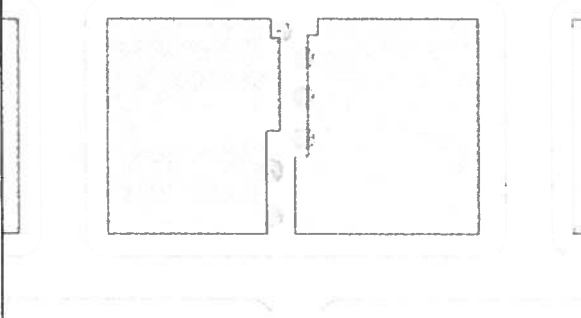
TABLE 1309.3 PROHIBITED PLANTS	
BOTANICAL NAME	COMMON NAME
<i>Arundo donax</i> (L.)	Giant cane, giant reed grass, elephant grass
<i>Pennisetum setaceum</i> (Forsk. Chiov)	Fountaingrass
<i>Rhus lancea</i> (L.)	African sumac

SECTION 1310 OPEN SPACE IMPROVEMENTS

A. Open Space Guidelines.

1. Parcels zoned T3 are exempt from required public space improvements.
2. Open space requirements for commercial, nonresidential and mixed use development as follows:
 - a. For sites of one gross acre or larger, minimum open space of at least five percent of the gross lot area shall be required.
 - b. A minimum of 50 percent of all accessible public and private open space areas should be shaded, of which 50 percent of the shade should be provided by trees or trellised vines.
 - c. Open space areas should be a minimum of 500 square feet with a minimum dimension of 20-feet.
3. Open space tree and landscaping requirements as specified in Section 1309 Landscape Standards.
4. Alternative paving materials should be used on private property to reduce urban heat island effect, and to allow natural drainage and filtration.
 - a. Permeable paving, porous concrete or similar materials should be installed adjacent to treewells. The design should ensure adequate watering and root growth.

- b. Alternative materials such as brick pavers, permeable concrete pavers, granite and flagstone should be encouraged on walkways.

TABLE 1310.1. PUBLIC SPACE TYPE GUIDELINES		
PUBLIC OPEN SPACES		
Transect Zone	T4, T5, T6	
Size	Five percent of the gross site area above one acre.	
Edge condition	One side minimum fronting a thoroughfare or pedestrian way.	
Surface	Paved and landscaped.	
Shade and Landscaping	50 percent shade provided by trees Ground cover and shrubs: Should be provided in areas with no pavement or structures.	
PASEOS		
Transect Zone	T4, T5, T6	
Guidelines	See Section 1304.H	
Surface	Paved and landscaped.	
Shading	Minimum 75 percent shaded.	

SECTION 1311 DESIGN DEVELOPMENT CONSIDERATIONS

A. General Considerations

1. Walking and bicycling should be encouraged within the Gateway, Eastlake-Garfield, Midtown, Uptown and Solano Districts, particularly in support of transit services:
 - a. People should be provided the opportunity to walk, ride a bicycle, or use transit;
 - b. People should be provided the opportunity to drive less, and to park once and walk to nearby destinations;
 - c. Outdoor pedestrian activities within public rights-of-way should be encouraged;
 - d. A compact pattern of development and mix of uses should be encouraged in order to achieve increased walking and bicycling;
 - e. A high level of amenities, including public shade, should be provided for pedestrians' and other users' comfort and convenience;
 - f. An adequate level of access for automobiles should be maintained and their use integrated safely with pedestrians, bicyclists, and other users.
2. Transit use should be encouraged within proximity of existing and future transit service:
 - a. Uses that promote round-the-clock activity around transit stations should be encouraged;
 - b. Sufficient density of employees, residents, and recreational users are required to support transit.
3. Personal safety should be specifically considered in relationship to a transit supportive urban environment:
 - a. The public's safety should be protected by employing environmental design to promote situational awareness and by visually and physically defining the public and private realms;

- b. Sidewalks, pedestrian passages, streets and alleys should be adequately illuminated;
 - c. Illumination should not leave areas of contrast which permit concealment;
 - d. Lighting should not create glare for pedestrians or drivers.
- 4. Property owners' and users of the public realm should be provided adequate access to light and air:
 - a. Property value and the healthfulness of the public realm should be protected by allowing equal access to light and air;
 - b. Urban heat-island effect should be limited by increasing access to light and air.
- 5. Parking should be regulated in order to support a walkable and transit-connected environment, providing for the needs of all users:
 - a. The supply of parking should be adequate for the uses it serves;
 - b. The displacement of building and land uses by parking should be minimized;
 - c. Parking should be allocated to locations in which it will support, not interfere, with walkability;
 - d. Motor vehicle users should be able to park once to visit a variety of different destinations.
- 6. The public realm should be regulated to assist in support an active pedestrian-oriented realm and to cool streets, sidewalks, and buildings:
 - a. Local microclimate and environment should be moderated through the application of trees and landscaping to:
 - (1) Improve air quality;
 - (2) Mitigate noise pollution;
 - (3) Provide seasonal shade, sun and temperature regulation;
 - (4) Reduce reflected light;

- (5) Mitigate wind gusts;
- (6) Provide a permeable barrier between sidewalks and vehicular lanes;
- (7) Reduce hot pavement;
- (8) Reduce runoff by intercepting and percolating rainwater;
- (9) Conserve soil and prevent erosion through vegetative cover, root growth, and windbreaks;
- (10) Conserve water through xeriscape and design strategies.

SECTION 1312 CHARACTER AREAS

A. Transit Gateway Character Area. Applicable to property within the Gateway Transit District Policy Plan area with Walkable Urban Code zoning.

1. Streetscape Standards.

a. Arterial Streets – Light Rail Corridor.

- (1) Minimum sidewalk width: eight-feet (six-foot minimum allowed if density less than 12-units per acre);
- (2) Minimum landscape width (if no conflict with public utilities): five-feet.

b. Arterial Streets with no transit rail line or stations.

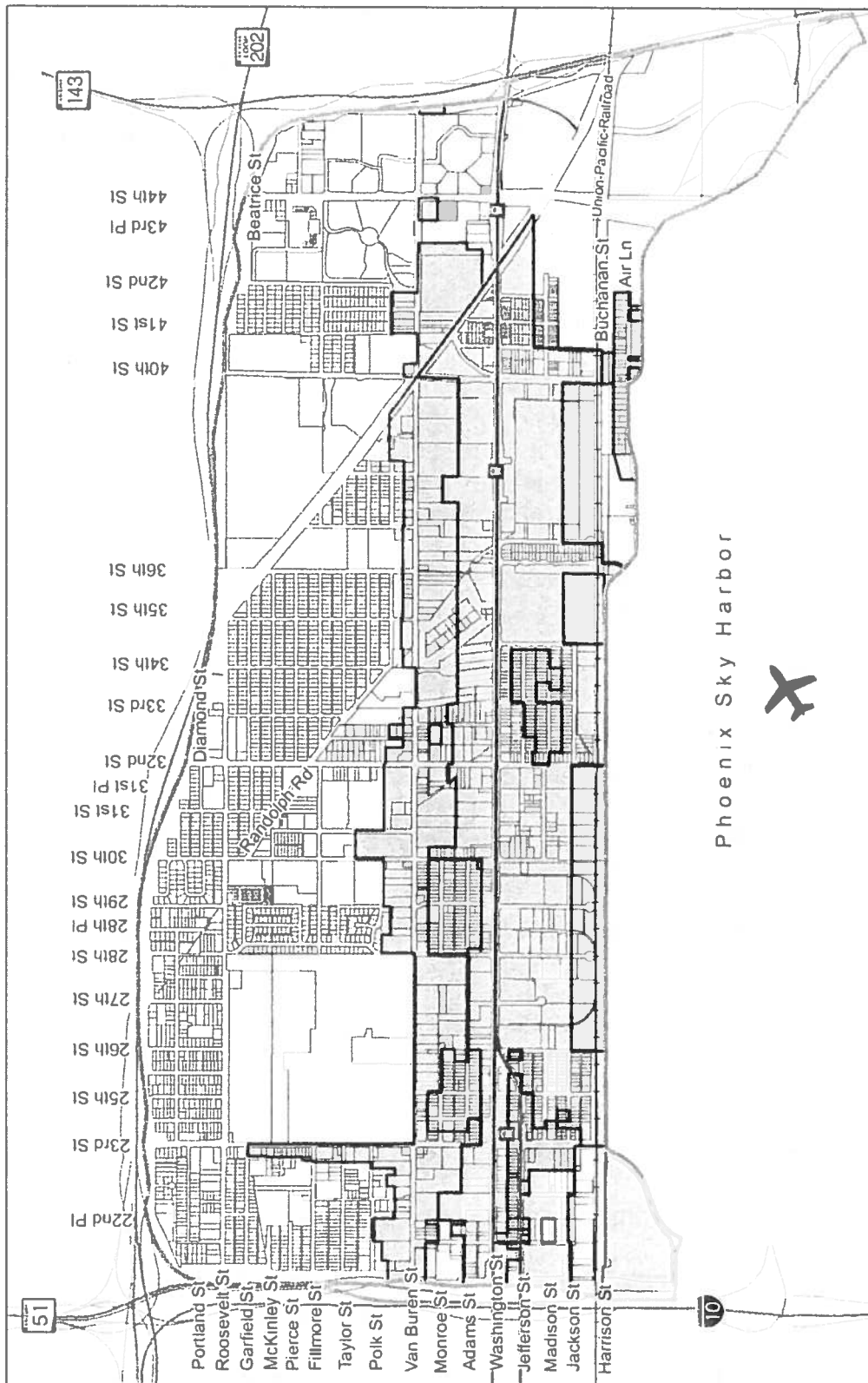
- (1) Minimum sidewalk width: six-feet;
- (2) Minimum landscape width (if no conflict with public utilities): five-feet.

c. Minor Collector and Local Streets.

- (1) Minimum sidewalk width: five-feet;
- (2) Minimum landscape width (if no conflict with public utilities): five-feet.

2. General Commercial and Industrial Uses.

- a. Land uses permitted under Sections 624 C-3 District - General Commercial, and 627 A-1 Light Industrial District are allowed for properties zoned General Commercial (C-3) and Industrial (A-1) prior to adoption of the WU Code as identified on the Gateway General Commercial and Industrial Land Use Map 1312.a.



3. Existing General Commercial and Industrial Uses.
 - a. Expansion of general commercial and industrial uses is allowed for properties that were zoned Industrial (A-1) and Commercial (C-3) zoning prior to adoption of the WU Code as shown on Map 1312.a.
 - b. Additional square footage and structural improvements should follow the Planning Commission Policy for proportionate site improvements.
 - c. Special Considerations.
 - (1) Fences are allowed to be up to six-feet in height at the building setback. Fences must have decorative finish and undulate if over 50-feet in width. To reduce the incidence of graffiti, open view fence or a combination block-open view fence should be considered whenever possible.
 - (2) Pedestrian paseo and open spaces are not required as part of improvements.
4. New General Commercial and Industrial Use Standards.
 - a. Shaded walkways should be provided from the public sidewalk to primary building entrance.
 - b. Multiple tenant complexes should have primary entrances to each tenant space facing the street.
 - c. Parking and Loading. Loading and vehicle access doors should be located either:
 - (1) To the rear of the principal building(s) or,
 - (2) To the side of the principal building(s).
 - d. Placement and Massing.
 - (1) The primary building should be oriented toward the street.
 - (2) Industrial/Warehouse offices and lobbies should be located in the front of buildings adjacent to the street.
 - (3) Loading docks and vehicle access doors should be located on the sides or rear of buildings to limit visibility from streets.

- (a) A minimum six-foot high street decorative screen wall should be provided to screen all loading and outdoor storage areas from off-site views.
- (4) A minimum of a six-foot wide landscaping strip should be provided along the street side of the wall.
- (5) A minimum 30 percent glazing should be provided for new single use industrial developments and minimum 50 percent glazing for a multiple tenant complex within the area from three feet to seven feet above adjacent sidewalk grade for frontages that face right of way.
- (6) Buildings should not have massing that is boxy, bulky, or elongated. Large floor plates should be articulated or enhanced with façade and architectural features to break down the mass of the buildings.
- e. Parking for C-3 and A-1 uses identified in Map 1312.a shall follow the standards of Section 702.
- f. Special Considerations.
 - (1) Fences are allowed to six-feet in height in the building setback. Fences must have decorative finish and undulate if over 60-feet in width. To reduce the incidence of graffiti, open view fence or a combination block-open view fence should be considered if possible.
 - (2) Pedestrian paseo requirements may be waived for new industrial uses.
- g. Outdoor Storage or Use.
 - (1) Outdoor storage allowed only on properties that were C-3 and Industrial (A-1) prior to the adoption of the WU Code per Map 1312.a.
 - (a) Outdoor display areas fronting the Light Rail Corridor as per Section 627.C.3.
 - (2) Except for vehicle parking areas, no outdoor uses, outdoor storage, or open buildings shall be located within 75-feet of a public street or single-family zoning district.

- (3) Open storage shall be no higher than six-feet plus one-foot in height for every additional three-feet of setback from the property line.

B. Transit Eastlake-Garfield Character Area. Applicable to property within the Eastlake-Garfield Transit District Policy Plan area with Walkable Urban Code zoning.

1. Streetscape Standards.

a. Arterial Streets – Light Rail Corridor.

- (1) Minimum sidewalk width: eight-feet (six-foot minimum allowed if density less than 12-units per acre);
- (2) Minimum landscape width (if no conflict with public utilities): five-feet.

b. Arterial Streets with no transit rail line or stations.

- (1) Minimum sidewalk width: six-feet;
- (2) Minimum landscape width (if no conflict with public utilities): five-feet.

c. Minor Collector and Local Streets.

- (1) Minimum sidewalk width: five-feet;
- (2) Minimum landscape width (if no conflict with public utilities): five-feet.

C. Transit Midtown Character Area. Applicable to property within the Midtown Transit District Policy Plan area with Walkable Urban Code zoning.

1. Streetscape Standards.

a. Arterial Streets – Light Rail Corridor.

- (1) Minimum sidewalk width: eight-feet (six-foot minimum allowed if density less than 12-units per acre);
- (2) Minimum landscape/streetscape width: five-feet (if no public utility conflict).

- b. Arterial Streets with no transit rail line or stations.
 - (1) Minimum sidewalk width: six-feet;
 - (2) Minimum landscape width: five-feet (if no public utility conflict).
- c. Minor Collector and Local Streets.
 - (1) Minimum sidewalk width: five-feet;
 - (2) Minimum landscape width: five-feet (if no public utility conflict).

2. Special Considerations.

- a. Lots with alley access should provide a minimum of one vehicular access point from an alley unless adjacent to a single-family or historic zoning district or neighborhood.
- b. Where ground level retail uses are present, setbacks and build to dimensions may be increased up to 12-feet for outdoor seating, patio dining, or retail sales by securing a use permit.

D. Transit Uptown Character Area. Applicable to property within the Uptown Transit District Policy Plan area with Walkable Urban Code zoning.

1. Streetscape Standards.

- a. Arterial Streets – Light Rail Corridor.
 - (1) Minimum sidewalk width: eight-feet;
 - (2) Minimum landscape width: five-feet (if no public utility conflict).
- b. Arterial Streets with no transit rail line or stations.
 - (1) Minimum sidewalk width: six-feet minimum;
 - (2) Minimum landscape width: five-feet (if no public utility conflict).
- c. Minor Collector and Local Streets.

- (1) Minimum sidewalk width: five-feet;
- (2) Minimum landscape width: five-feet (if no public utility conflict).

2. Special Considerations.

- a. Lots with alley access should provide a minimum of one vehicular access point from an alley unless adjacent to a single-family or historic zoning district or neighborhood.
- b. Where ground level retail uses are present, setbacks and build to dimensions may be increased up to 12-feet for outdoor seating, patio dining, or retail sales by securing a use permit.
- c. Property adjacent to the Grand Canal should integrate the canal into the project design.

E. Transit Solano Character Area. Applicable to property within the Solano Transit District Policy Plan area with Walkable Urban Code zoning.

1. Streetscape Standards.

- a. Arterial Streets – Light Rail Corridor.
 - (1) Minimum sidewalk width: eight-feet;
 - (2) Minimum landscape width: five-feet (if no public utility conflict).
- b. Arterial Streets with no transit rail line or stations.
 - (1) Minimum sidewalk width: six-feet;
 - (2) Minimum landscape width: five-feet (if no public utility conflict).
- c. Minor Collector and Local Streets.
 - (1) Minimum sidewalk width: five-feet;
 - (2) Minimum landscape width: five-feet (if no public utility conflict).

2. Special Considerations.
 - a. Lots with alley access should provide a minimum of one vehicular access point from an alley unless adjacent to a single-family or historic zoning district or neighborhood.
 - b. Where ground level retail uses are present, setbacks and build to dimensions may be increased up to 12-feet for outdoor seating, patio dining, or retail sales by securing a use permit.

SECTION 1313 DESIGN AND STANDARDS ALTERNATIVES

- A. APPLICABILITY.** The Design Review Committee (DRC) shall oversee and approve design alternatives and standards appeals beyond the scope of Planning and Development Department (PDD) Director or designee approval as per Section 1313.B.

A design alternative is a deviation from the WU Code standards and design guidelines that results in a furtherance of the goals for an urban pedestrian environment. Design alternatives shall demonstrate conformance with the intent of the Wu Code and in general conformance with the Conceptual Master Plans and policies contained within Transit Oriented District Policy Plans.

- B. Standards.**

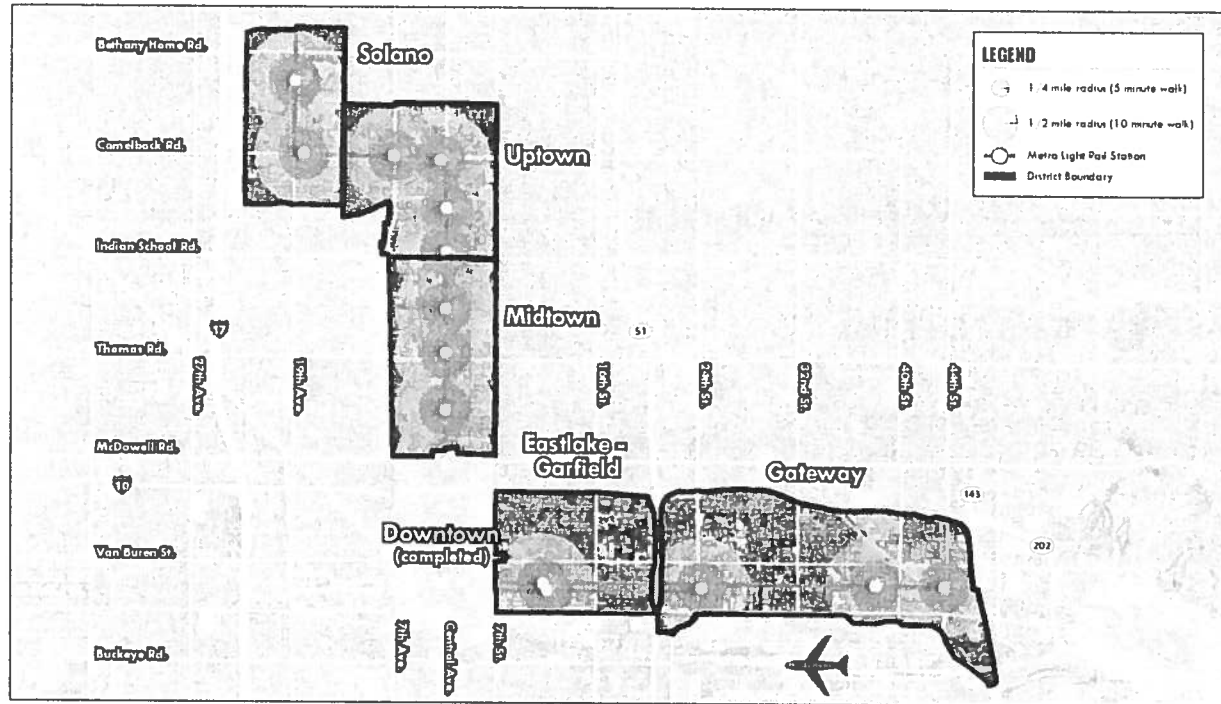
1. Uses and height requirements may not be modified by PDD staff as part of site plan review or through the DRC appeal process.
2. The maximum combined PDD staff and or DRC modifications shall not exceed 35 percent.

- C.** Planning and Development Department staff may modify standards and design guidelines to accommodate existing conditions or as a design alternative, as follows:

1. Up to 20 percent from the prescribed standards for minimum/maximum setbacks; lot coverage; landscaping; and parking requirements.
2. Glazing and blank wall treatments may be modified by 15 percent.
3. Substitute methods of meeting the intent for frontage types may be approved in consultation with the PDD Planning Director or his/her designee.

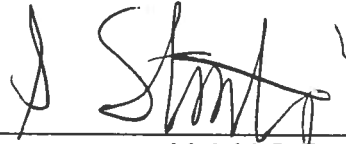
4. PDD staff shall document the site specific justification for the design alternative(s) approval as part of the final site plan approval.
 5. If design alternative cannot be approved by staff, the applicant may file an appeal with the Design Review Committee.
- D.** The following may be modified by the DRC as design alternatives:
1. Up to 35 percent for minimum/maximum setbacks; lot coverage; landscaping; parking; and glazing and blank wall alternatives.
 2. Substitute methods of meeting the intent for frontage types.
 3. A design alternative shall be reviewed and acted upon by the DRC in accordance with the procedural requirements of Section 507 of the Phoenix Zoning Ordinance.
 - a. An approval from the DRC shall be included on the final site plan.

Transit Oriented Development Districts Map



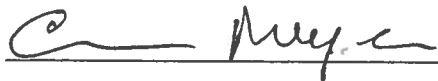
ReinventPHX
Project Map

PASSED by the Council of the City of Phoenix this 1st day of July, 2015.



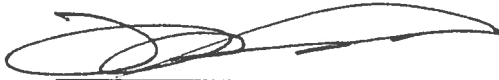
MAYOR

ATTEST:



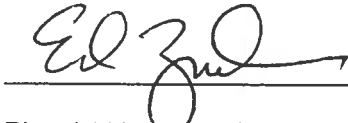
City Clerk

APPROVED AS TO FORM:



Acting City Attorney *pm*

REVIEWED BY:



City Manager

PL:tml:1189740v1: (CM#95) (Item #149) 7/1/15

**New or Revised
Public Outreach Documents**

¿Por qué cesar la grasa?

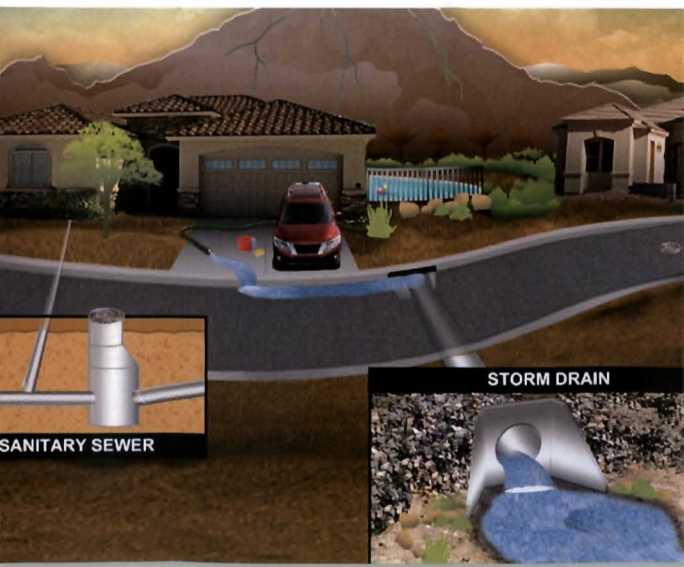
Verter aceite de cocinar, grasas líquidas y sólidas, o demás sólidos por el drenaje crea un problema una vez que estos endurecen en el sistema de drenaje particular o en la tubería municipal. De cualquier manera, los costos de limpieza pueden ser cuantiosos y eventualmente salen de su cartera.

La manera correcta

Permita que se enfríe la grasa, luego rasparlas de las ollas y los sartenes y tirarla a la basura antes de lavar los trastes. Phoenix asimismo recomienda reducir a un mínimo su uso del triturador y mejor desechar las cáscaras de verduras y demás sólidos en la basura.

¿Cuál es la diferencia entre el drenaje sanitario y las alcantarillas de desagüe?

- Phoenix cuenta con dos sistemas separados de desagüe: el sistema sanitario y las alcantarillas pluviales.
- El sistema sanitario corre subterráneo y lleva los desechos de los escusados y lavabos a la planta de tratamiento de aguas negras, donde se tratan estas aguas antes de verter al Río Salado o de reutilizarse en la producción de energía, para cultivos y humedales.
- Las alcantarillas pluviales llevan la escorrentía pluvial sin tratar a las cuencas, los ríos, y los parques locales.



Escaneé con su
smartphone para
más información.

Comuníquese

Correo electrónico: ask.water@phoenix.gov

Línea directa de aguas pluviales:
602-256-3190

Línea directa comercial:
602-495-7412

División de Servicios Medioambientales:
602-262-1859

Para reportar desechos ilegales por
alcantarillas pluviales:
phoenix.gov/stormwater
602-256-3190

Para mayores informes sobre Cease the Grease
(Cese la grasa) o programas de reciclaje F.O.G.:
phoenix.gov/esd
602-262-7251



Municipalidad de Phoenix

DEPARTAMENTO DE SERVICIOS DE AGUA
CALIDAD, CONFIABILIDAD, VALOR

DIVISIÓN DE SERVICIOS DEL MEDIO AMBIENTE
phoenix.gov/esd

RESTAURANTES



Guía para la protección de nuestros ríos,
cuencas y el medio ambiente.

Un menú de actividades... para mantener limpia el agua

Cese la grasa...

- Jamás tire grasa a un fregadero o lavabo, alcantarilla de piso, al contenedor de basura de su edificio, o las alcantarillas pluviales.



- Guarde el aceite y la grasa de cocinar para reciclar en botes para grasa o contenedores tapados.
- Contrate a una empresa autorizada de plomería para llevarse la grasa usada.

Ojo a los derrames...

- Use medios secos para limpiar derrames.
- Barra con escoba los derrames y la basura en lugar de usar mangueras de agua; y no use limpiadoras a presión.
- Use trapos y materiales absorbentes como arena para gatos, y luego desecho los materiales en la basura o manéjelos como desechos peligrosos, según sea el caso.

Almacenaje y desecho de productos químicos...

- Eduque a sus empleados de los ingredientes químicos; emplee los productos de limpieza de menor peligro.
- Use por completo todos los solventes, limpiadores de pisos, detergentes, y demás productos químicos.
- Deshágase de productos no servibles, como trapos de limpiar, y llévelos a los receptáculos apropiados a tirar o reciclar.

Para limpiarlo bien...

- Vierta el agua después de trapear o limpiar en el lavabo de limpieza o en las alcantarillas de piso... NO a las cunetas, callejones, estacionamientos, o alcantarillas de la calle.



- Lave el equipo grasoso solamente en las áreas designadas de lavado que estén debidamente conectadas al sistema de desagüe sanitario.

Aceras y áreas al aire libre...

- Barra con escoba toda traza de comida, colillas de cigarrillo, y basura de las áreas de comida al aire libre antes de enjuagar o limpiar a vapor.
- No use productos químicos tóxicos o detergentes las áreas de comer al aire libre, las entradas o aceras con lavadora a presión.

Y qué tal el contenedor de la basura...

- Mantenga limpio el contenedor y las áreas de carga.
- Controle la basura en el área con escoba en lugar de una manguera.
- Reemplace contenedores quebrados o con agujeros y mantenga la tapa puesta para que no le entre la lluvia.



Aceites y grasas (F.O.G. - Fats, Oils, and Grease)

Los solventes para pisos, productos de limpieza, desechos de comida, y basura son todo ejemplo de desechos generados por restaurants que pueden llevar a contaminación de las aguas pluviales o desbordes del sistema de drenaje sanitario cuando no se elimina correctamente.

Proteja su comunidad y su propiedad: Cese le grasa, elimine debidamente los desechos, y recuerde...

Sólo lluvia por la alcantarilla pluvial



Tubería tapada
Ocasional por la eliminación indebida de grasas

Want more information?
Contact City of Phoenix,
Water Services Department
www.phoenix.gov/stormwater
Stormwater Hotline:
602-256-3190

Storm Drain Dan

"Only Rain in the Storm Drain"



Learn all about the storm drain system
with a fun classroom presentation.

City of Phoenix, Stormwater Section has partnered
with Keep Phoenix Beautiful, to offer free, green,
30-60 minute presentations in the classroom.

Simply email Evelyn@KeepPhxBeautiful.org

Request

"Only Rain in the Storm Drain"

classroom presentation

Think of it as a field trip that comes to you!

Find the listed words in the word search. They will run in all
directions: forward, backward, up, down and diagonally.

X	Q	O	F	A	C	L	M	P	R	A	E	J	J	M
W	A	B	R	T	D	S	E	D	I	M	E	N	T	I
A	O	S	T	O	R	M	W	A	T	E	R	X	S	A
T	E	P	A	I	M	C	G	H	K	N	O	U	D	V
E	P	O	L	L	U	T	A	N	T	Q	R	R	Y	W
R	E	M	J	A	O	K	E	B	F	J	E	A	P	L
Q	T	P	R	I	V	E	R	O	L	Z	C	V	I	G
U	W	R	C	A	E	D	F	H	I	R	Y	S	T	N
A	A	E	A	M	B	N	A	L	B	D	C	F	S	T
L	S	A	C	S	D	E	I	F	G	Q	L	H	W	M
I	T	L	B	W	H	T	B	D	A	V	E	X	L	N
T	E	M	P	E	R	E	A	S	R	O	K	I	K	B
Y	L	O	P	E	S	T	I	C	I	D	E	S	S	Y
I	V	E	F	P	O	E	T	P	U	M	A	J	J	M
R	U	N	O	F	F	X	E	R	I	S	C	A	P	E

FERTILIZER
OIL
PESTICIDES

RAIN
RECYCLE
RIVER

STORMWATER
SWEEP
TRASH

What is Stormwater?

When rain falls, where
do you think the water goes?

Water flows over the land surface, heading
downhill to the nearest wash or ditch. We call
this stormwater runoff. In cities and towns, the
water can't soak through the pavement,
rooftops, and concrete. This means that there's
more stormwater runoff in cities than in forests
and fields.

What is a storm drain?

Have you ever seen openings at the curb?
Or openings on the side of the street?

Sometimes the openings have grates over them.
These are called storm drains and they are often
labeled with "No Dumping". The storm drain is
connected to a pipe which carries the water
directly to our rivers, washes, and parks.

There might be a storm drain near your house!

DID YOU KNOW?

Every time it rains, stormwater flows over
different surfaces (roads, sidewalks, roof
tops) picking up pollutants (oils, chemicals,
garbage) and carries them **UNTREATED** to
our rivers, washes and retention areas (parks).



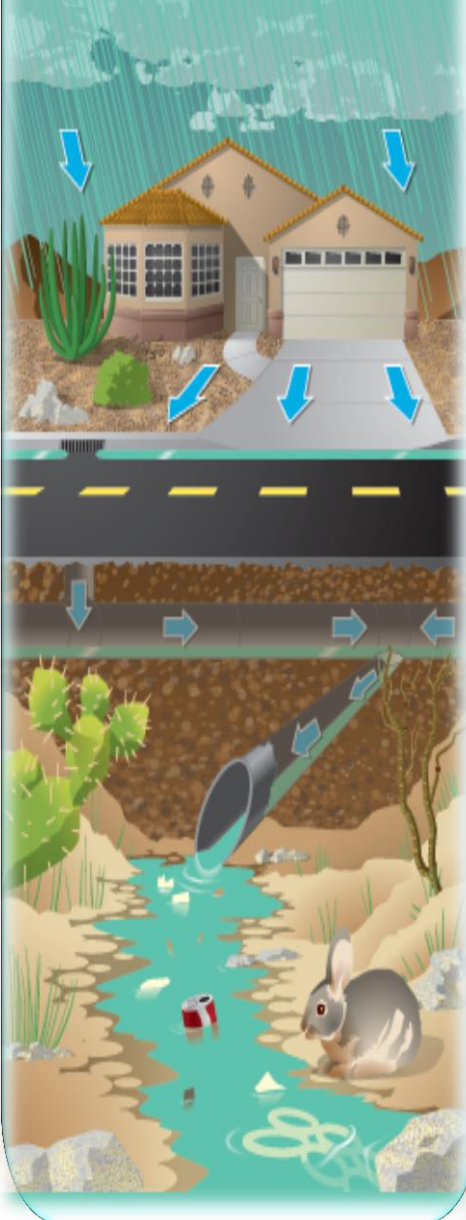
City of Phoenix

WATER SERVICES DEPARTMENT
Quality Reliability Value

www.phoenix.gov/stormwater

Stormwater Hotline: 602-256-3190

**ONLY RAIN
IN THE
STORM DRAIN**
YOUR ACTIONS MAKE A DIFFERENCE



What is stormwater runoff?

Stormwater runoff is rain that hits the ground and flows off streets, rooftops and lawns. This stormwater is then collected by storm drains and flows into rivers, canals, and parks.



What is the problem with stormwater runoff?

Stormwater runoff picks up pollutants and debris as it flows across rooftops, lawns, streets, and parking lots.

When it rains, pollutants are picked up and washed directly into our rivers, canals, and parks. Some of these pollutants include oil and grease, harmful bacteria, fertilizers, and other toxic chemicals which are harmful to both people and animals.

What is the source of all these pollutants?

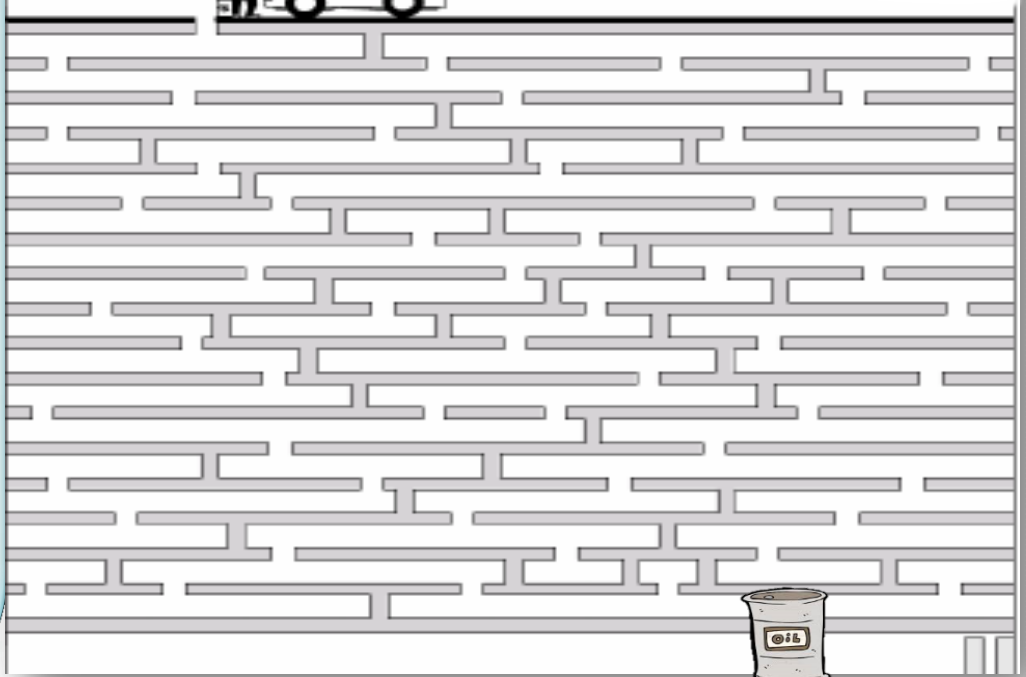
We all are! The fact is that all of us are part of the stormwater pollution problem. Many of the things that we do on a daily basis including taking care of our lawns, driving our cars, washing our vehicles, and walking our pets can contribute to stormwater pollution.

Now since we know we are all part of the problem, we can now be part of the
“solution to stormwater pollution.”

START



Make sure this car's oil makes it to a recycling center instead of a storm drain!





City of Phoenix