



WATER QUALITY ASSURANCE REVOLVING FUND (WQARF)

FY20 ANNUAL REPORT



FOREWORD



To ensure Arizonans have clean water and unencumbered land for development today and for our future, the Water Quality Assurance Revolving Fund (WQARF) program cleans up soil and groundwater contamination statewide. As we conclude fiscal year 2020, I am extremely proud of our progress and the milestones we continue to achieve.

Through the Arizona Management System (AMS), the WQARF team is aggressively moving WQARF Registry sites through the necessary investigation and remediation phases in collaboration with affected communities and businesses. We have achieved outstanding results since 2015:

- Delisted (closed) **five (5)** WQARF sites from the Registry
- Completed **18** Remedial Investigations, **23** Feasibility Studies, **22** Proposed Remedial Action Plans and **9** Records of Decision
- Treated **10.4 billion** gallons of groundwater
- Treated **3,411 tons** of soil
- Removed more than **8.3 million pounds** of hazardous substances and metals from the environment

The responsibility of the WQARF program to Arizona's citizens is ongoing -- 35 active WQARF sites across the State require ADEQ's attention. If left to languish by insufficient funding, existing contamination of one of Arizona's most precious resources, groundwater, will spread over time and become more costly to remediate and will reduce the supply of clean and reliable water to fuel Arizona's economic prosperity. Treatment systems funded at three WQARF sites are providing essential drinking water for communities in Tucson, Payson and Flowing Wells, and must be a priority. WQARF program funds also are committed to curtailing additional current threats to Tucson's drinking water supply. Further, with record drought conditions we must take action now to protect our groundwater and surface water resources -- approximately 300,000 acre feet per year of water remains contaminated in Arizona.

ADEQ received the full, mandated transfer from the Corporate Income Tax (CIT) only twice in the last 18 years and has operated the program with a major deficit only partially mitigated by legislatively authorized fund transfers of savings generated in other ADEQ fee funds. Today, 25 years after the proportionate share liability scheme was enacted, the statutorily mandated \$15 million transfer from CIT to WQARF has proven to be unreliable to meet the program's mandated functions. Any additional funding shortfalls will further increase costs.

Whether cleaning up contaminants in small towns or city centers, or deploying emergency response to wildfires and other hazardous events, the WQARF program directly benefits public health, Arizona's unique environment and the economy. It is critical that we identify a new, permanent funding source for the WQARF program.

Misael Cabrera
Director

OUR MISSION AND VISION

The Arizona Department of Environmental Quality's (ADEQ's) mission is to protect and enhance public health and the unique environment in Arizona. To achieve this, ADEQ administers the state's environmental laws and delegated federal programs to prevent pollution of the air, water and land, and to ensure cleanup when pollution occurs.

ADEQ's vision is to be the No. 1 state in the nation in:

- Balanced, leading edge environmental protection through
- Technical and operational excellence, and
- Radical simplicity for customers and staff.

Cover photo portrays the groundwater extraction and treatment system at Silverbell Landfill, located in Tucson, Arizona.



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EXECUTIVE SUMMARY

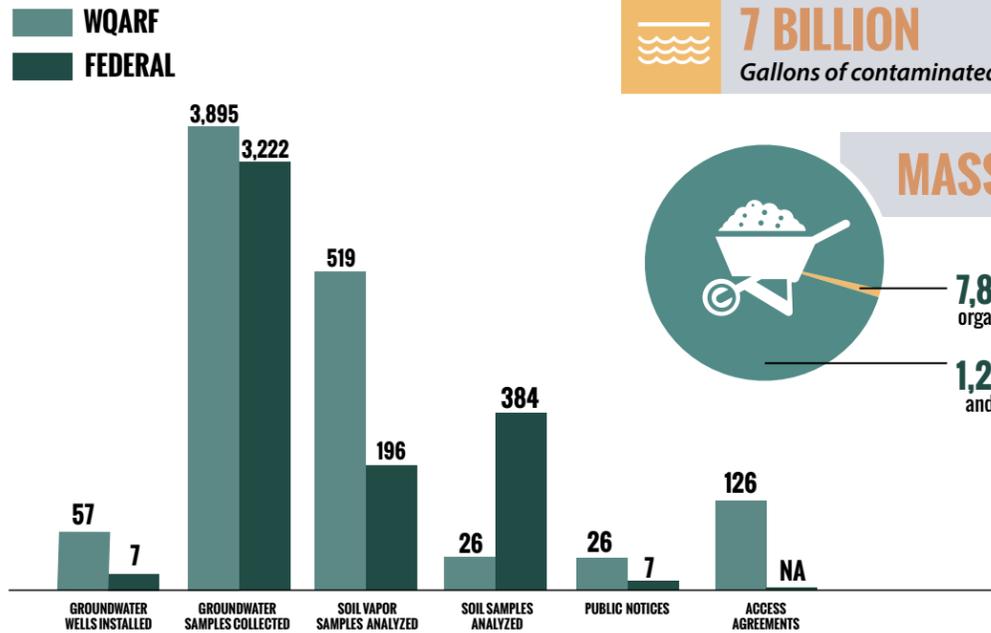
This report has been prepared for the Water Quality Assurance Revolving Fund (WQARF) as directed in Arizona Senate Bill 1692, Chapter 31 (Laws 2020, Chapter 58) and meets the requirements for the both the September 1 and October 1 deadlines.

Created under the Environmental Quality Act of 1986, the Water Quality Assurance Revolving Fund (WQARF) program supports the Arizona Department of Environmental Quality (ADEQ) in identifying, prioritizing, assessing and resolving the threat of contaminants in groundwater and overlying soil at sites in the state. In 1997, the WQARF Program underwent significant legislative reform that included a change from joint and several to proportionate liability; ensured annual funding of \$15 million to pay for the orphan share created from the new proportionate liability; enhanced community involvement; flexibility of cleanup methods and goals; and site prioritization.

35 of the state's worst hazardous waste sites are being cleaned up through WQARF

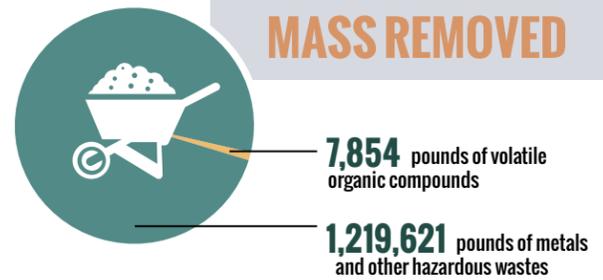
29 additional sites are being monitored or evaluated for WQARF listing

FY20 SUPPORTING ACTIVITIES FOR STATE AND FEDERAL SITES



FY20 MISSION OUTCOMES (OVERALL TOTALS)

7 BILLION Gallons of contaminated groundwater treated



FY20 MILESTONES

- 3** Remedial Investigations Completed
- 8** Feasibility Studies Completed
- 8** Proposed Remedial Action Plans Completed
- 4** Remedial Actions at Mining Sites Completed through a Partnership between WQARF and the ADEQ Water Quality Division

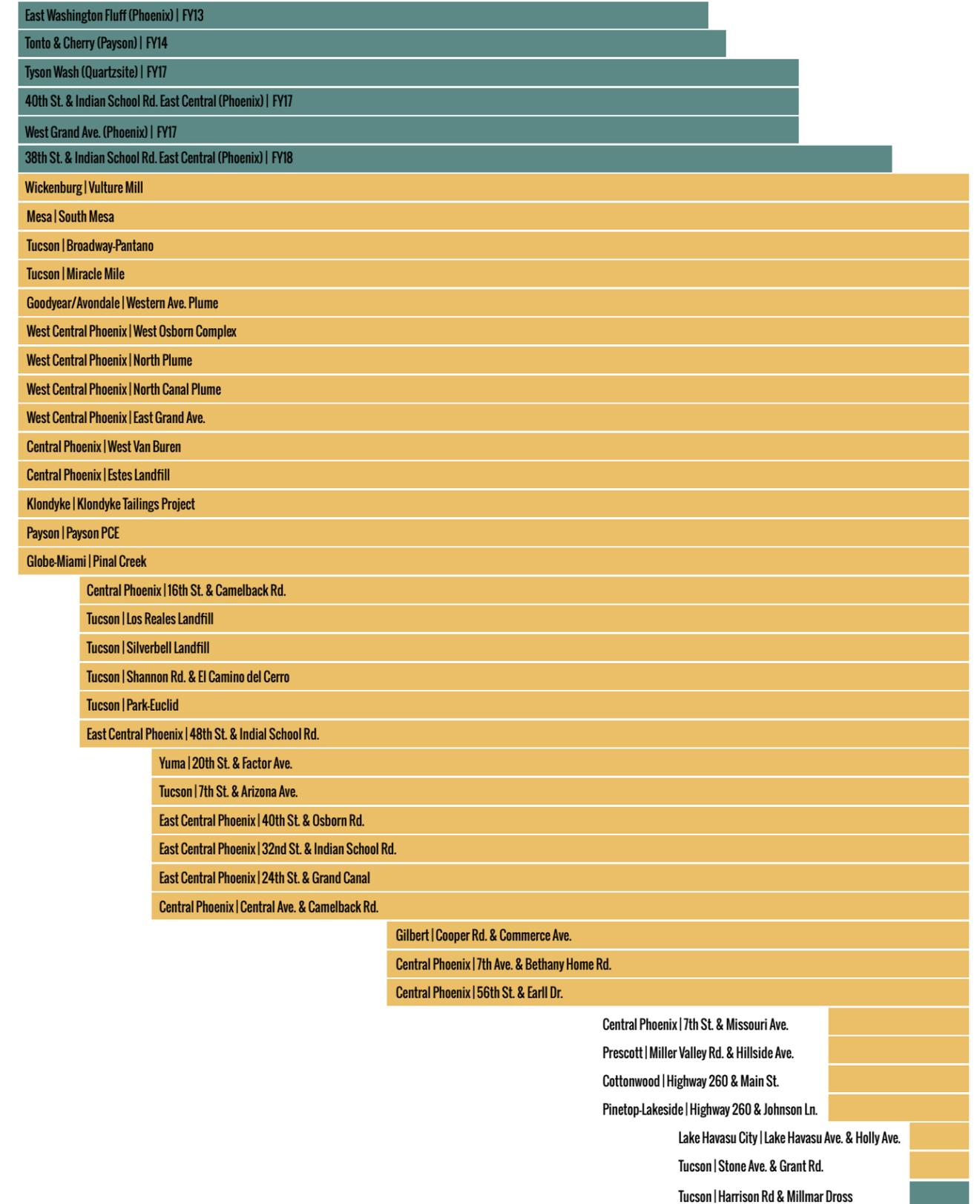
FY21 GOALS

During Operation and Maintenance, WQARF is increasingly focused on optimizing remedy effectiveness and improving technical performance to reduce costs and accelerate cleanup.

STATE WQARF PROGRAM TIMELINE

REMOVED

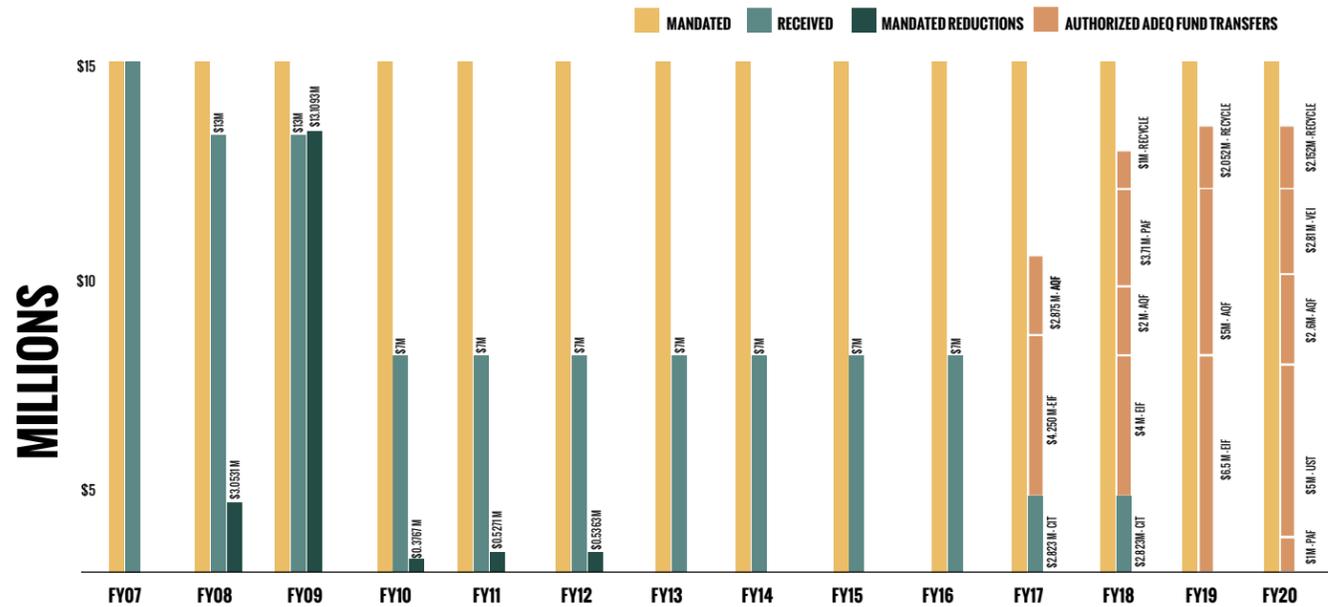
ACTIVE



WQARF FUNDING

Arizona Revised Statutes (A.R.S.) 49-282(B) has specified a cap of \$18 million annually with \$15 million of that coming from Corporate Income Tax (CIT) revenue. While statutorily mandated, funding was reduced to \$0 for FY20. ADEQ supplemented funding through Agency cost savings from the Emission Inspections Fund (EIF), Air Quality Fund (AQF), Recycling Fund (RECYCLE), Underground Storage Tank Revolving Fund (UST) and the Permit Administration Fund (PAF).

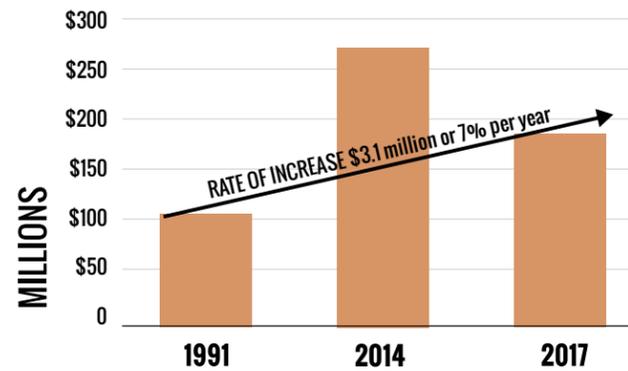
CORPORATE INCOME TAX REVENUE COMPARISON FY07 - FY20



FUNDS ARE USED FOR:

- WQARF Registry | Conduct remedial actions at sites currently in the WQARF program
- 3rd Party Work | Oversee privately funded cleanup efforts at WQARF Registry sites
- Cross-Program Remedial Action | Cleanup of selected sites and/or water quality data gathering for projects led by other programs within ADEQ
- Emergency Response | Immediate action to address confirmed contamination or threat of contamination that could impact public health and/or the environment
- Agency Partners | Work conducted by other State agencies
- Federal Oversight | Review and oversee work done by the Environmental Protection Agency under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 104
- Voluntary Remediation Program | Oversee voluntary cleanup funded by property owners and other interested parties

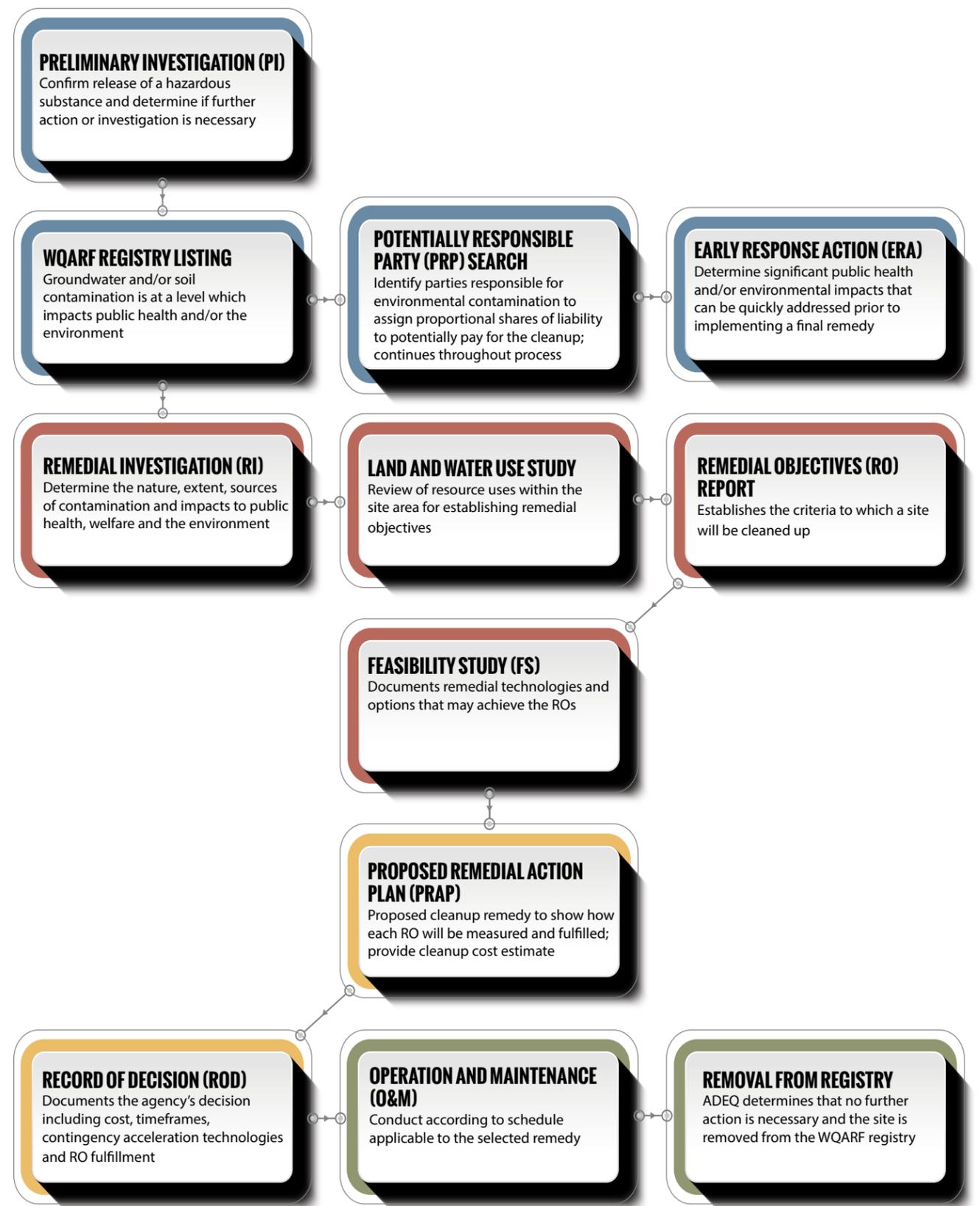
ORPHAN SHARE ESTIMATE BASED ON MODELED TOTAL WQARF LIABILITY



WQARF's orphan share liability estimate was modeled using Remedial Action Cost Engineering Requirements (RACER®) software, supported by AECOM Asset Management Division. Orphan shares mean there is (are) no responsible party (parties) identified to fund their allocated share of cleanup, and State funds may be needed to address contamination.

WQARF's orphan share increased from 35 percent of the total liability in 1991 to 62.5 percent in 2014. In 2017, it was estimated at 58 percent. This means the State remains liable for potentially over half of the cleanup currently needed due to a lack of a 3rd party in place to address the contamination.

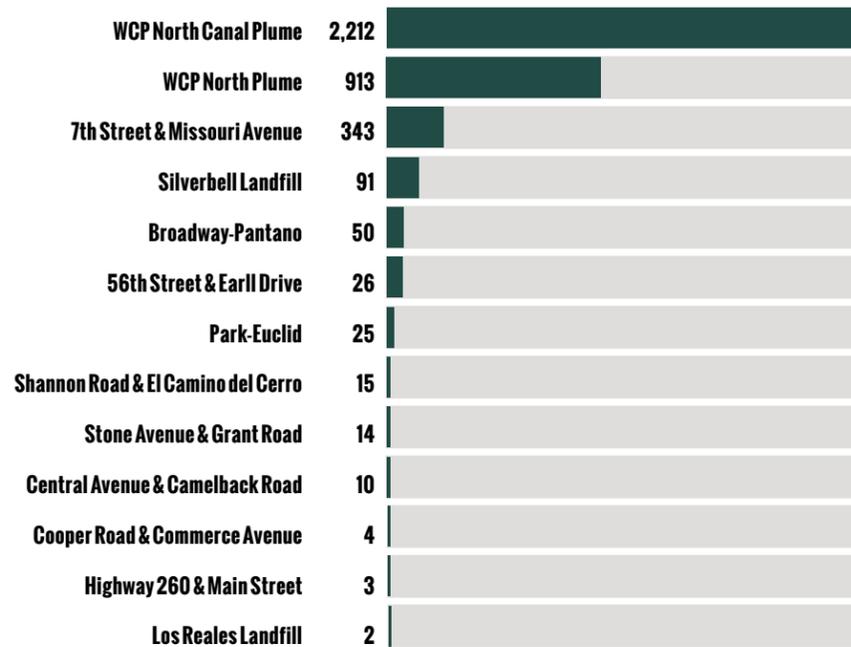
WQARF PHASES AND TERMS



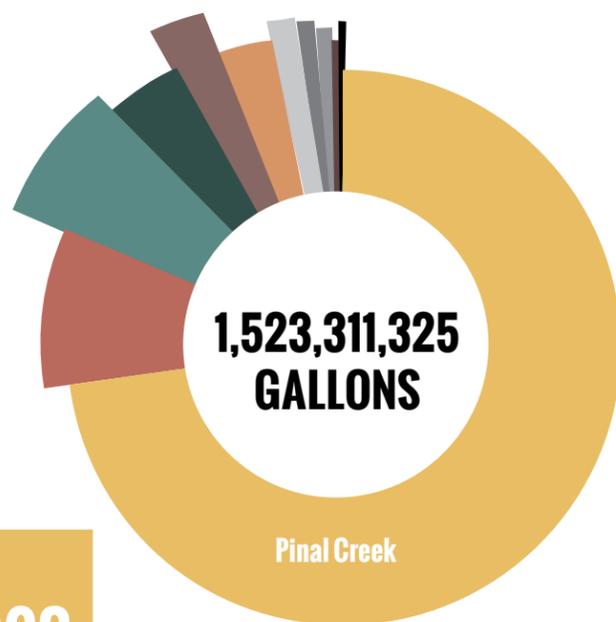
WQARF SITE MISSION OUTCOME DETAIL

REMEDIATION:

Volatile Organic Compounds (VOCs) Removed



Gallons of Groundwater Treated



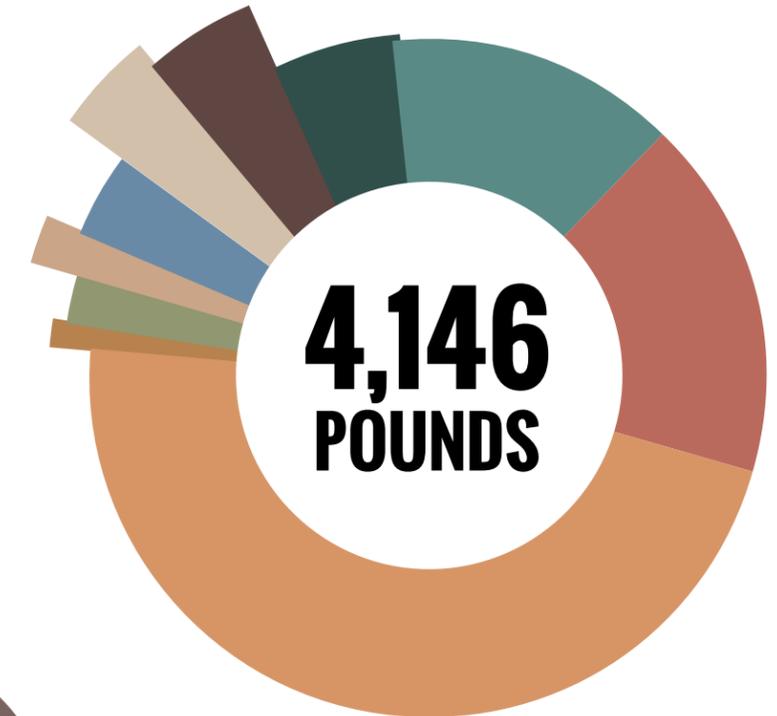
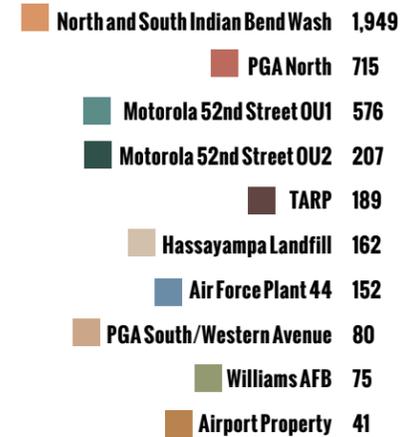
1,198,962

Pounds of Metals and Other Hazardous Waste Removed at Pinal Creek

FEDERAL SITE MISSION OUTCOME DETAIL

REMEDIATION:

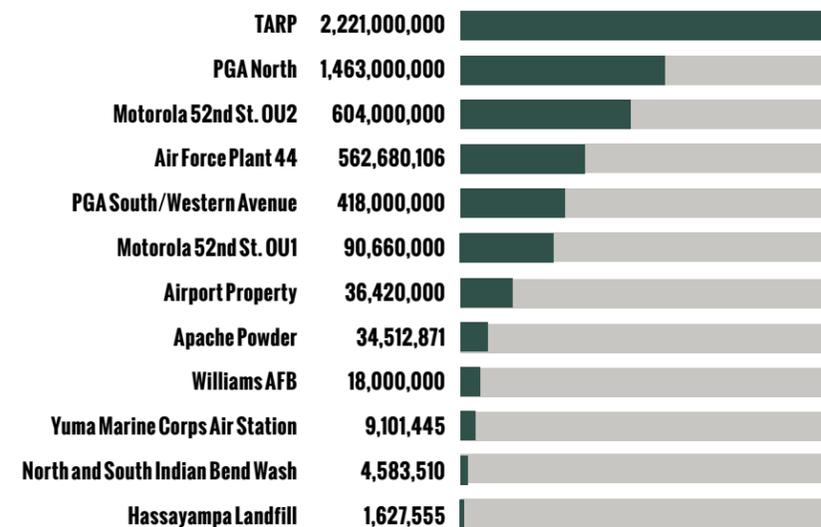
Volatile Organic Compounds (VOCs) Removed



20,659

Tons of Contaminated Soil Removed at Apache Powder

Gallons of Groundwater Treated



5,463,585,487
GALLONS

FY20 WQARF REMEDIATION

PDF version available at azdeq.gov/wqarf/2019wqarf_annualreport.pdf. Click each of the following sites to visit associated webpages.

7TH STREET AND ARIZONA AVENUE

Initiated rebound testing to assess remaining contamination; continued operation of SVE system; completed ROD

7TH AVENUE AND BETHANY HOME ROAD



Expanded ERD groundwater treatment system and continued ERD injections to groundwater

16TH STREET AND CAMELBACK

Continued MNA

20TH STREET AND FACTOR AVENUE

Expanded ERD groundwater treatment system, continued ERD injections to groundwater, and continued engineered CAP maintenance

56TH STREET AND EARLL DRIVE

Continued operation of pump and treat system; worked to complete data gaps for FS

BROADWAY-PANTANO

Continued engineered CAP maintenance at dross area, continued ISCO groundwater treatment at Broadway North Landfill, and continued SVE treatment at Broadway South Landfill; completed PRAP

7TH STREET AND MISSOURI AVENUE



Evaluated SVE system efficiency; installed an in situ groundwater treatment ERA; completed FS and PRAP

CENTRAL AND CAMELBACK

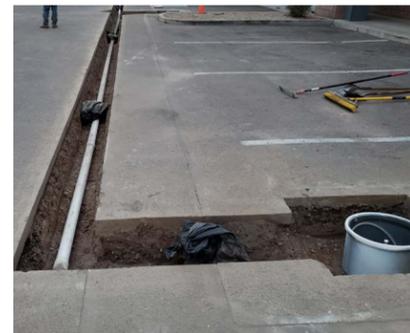


Performed SVE rebound evaluation. Installed one new extraction well and five soil vapor probes. Resumed SVE operation.

COOPER ROAD AND COMMERCE AVENUE

Continued operation and rebound testing of SVE; completed PRAP and ROD

ECP - 24TH STREET AND GRAND CANAL



Installed five ozone sparge wells. Initiated ozone sparge pilot study; completed FS and PRAP

WQARF REMEDIATION CONTINUED

ECP - 32ND STREET AND INDIAN SCHOOL ROAD



Installed five ERD injection well and initiated ERD pilot study. Installed four new SVE extraction wells; continued operation of SVE; completed FS

ECP - 40TH STREET AND OSBORN ROAD

Installed four additional groundwater monitoring wells; completed draft RI

ECP - 48TH STREET AND INDIAN SCHOOL ROAD

Completed draft RI report

ESTES LANDFILL

MNA

HIGHWAY 260 AND JOHNSON LANE

Continued operation of 3 GAC wellhead treatment systems; completed PRAP

LAKE HAVASU AVENUE AND HOLLY AVENUE



Conducted groundwater pilot test to evaluate for possible remedies; continued plume monitoring; completed draft RI

HIGHWAY 260 AND MAIN STREET



Installed three groundwater monitoring wells; conducted an SVE pilot test; installed GAC wellhead treatment for two residential drinking water wells and a public water system; continued operation of two other systems; completed draft RI

KLONDYKE TAILINGS PROJECT



Maintenance and drainage repair on engineered repositories

LOS REALES LANDFILL

Continued operation of pump and treat system

MILLER VALLEY AND HILLSIDE AVENUE

Initiated pump and treat groundwater pilot test; continued groundwater plume monitoring; completed RI

MIRACLE MILE

Continued operation and maintenance of wellhead treatment for small water provider; completed FS

WQARF REMEDIATION CONTINUED

PARK-EUCLID

Continued operation of SVE system at source area; completed PRAP

PAYSON PCE

Implemented ERD injections and bioaugmentation; maintained treatment system to groundwater

PINAL CREEK

Continued source control, groundwater remediation and groundwater monitoring

SHANNON ROAD/EL CAMINO DEL CERRO



Continued operation of a groundwater treatment system for Metro Water to supply drinking water to residents; completed PRAP

SILVERBELL LANDFILL

Installed a groundwater extraction and treatment system

SOUTH MESA

Continued ISCO groundwater treatment

STONE AVENUE AND GRANT ROAD

Continued SVE operations with optimization; completed RI; FS, PRAP and ROD

VULTURE MILL



Maintenance on soil cap

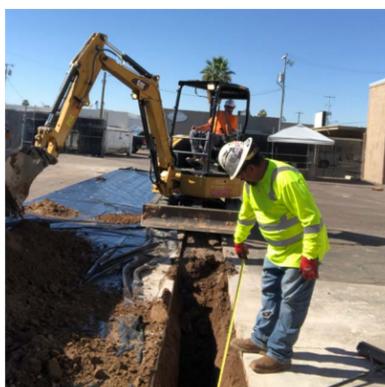
WCP - EAST GRAND AVENUE

Installed additional monitoring wells; completed FS

WCP - NORTH PLUME

Continued ERD injections to groundwater and operation of SVE system; completed ROD

WCP - NORTH CANAL PLUME



Continued groundwater monitoring; installed additional deep soil vapor well and connected to SVE system; installed soil vapor probes and conducted soil vapor assessment on Central Plume; installed soil vapor boring at West Plume; conducted SVE evaluations on Central and East Plumes; completed FS

WCP - WEST OSBORN COMPLEX



Continued groundwater monitoring; installed new monitor well in deep aquifer; conducted soil vapor assessment on WOC central parcels

WESTERN AVENUE PLUME

Continued operation of groundwater treatment system and MNA

WEST VAN BUREN

Continued groundwater monitoring

WQARF REMEDIATION CONTINUED

REMOVED FROM REGISTRY

1. Harrison Road and Millmar Road Dross (Tucson) | FY20
2. ECP - 38th Street and Indian School Road (Phoenix) | FY18
3. WCP - West Grand Avenue (Phoenix) | FY17
4. ECP - 40th Street and Indian School Road (Phoenix) | FY17
5. Tyson Wash (Quartzite) | FY17
6. Tonto and Cherry (Payson) | FY14
7. East Washington Fluff (Phoenix) | FY13

COMMUNITY INVOLVEMENT ACTIVITIES

- 30 | Signed Access Agreements
- 26 | Public Notices
- 26 | Community Advisory Board Meetings

REMEDATION ACRONYMS

- ERD | Enhanced Reductive Dechlorination
- GAC | Granulated Activated Carbon
- ISCO | In Situ Chemical Oxidation
- MNA | Monitored Natural Attenuation
- SVE | Soil Vapor Extraction

WQARF STATUS

SITE	ERA			RI			FS			PRAP			ROD			O&M		
	FY19	FY20	FY21															
7th Avenue and Arizona Avenue	X	X								X			X	X		X	X	X
7th Street and Bethany Home Road													X	X	X	X	X	X
7th Street and Missouri Avenue	X	X		X				X		X				X	X	X	X	X
16th Street and Camelback													X	X	X	X	X	X
20th Street and Factor Avenue													X	X	X	X	X	X
56th Street and Earll Drive	X	X	X	X				X	X							X	X	X
Broadway-Pantano	X	X								X	X				X	X	X	X
Central and Camelback	X	X								X	X				X	X	X	X
Cooper Road and Commerce Avenue	X									X				X	X	X	X	X
ECP - 24th Street and Grand Canal	X	X		X				X		X					X	X	X	X
ECP - 32nd Street and Indian School Road	X	X		X				X			X				X	X	X	X
ECP - 40th Street and Osborn Road				X	X	X					X				X			
ECP - 48th Street and Indian School Road	X	X		X	X			X			X				X			
Estes Landfill													X	X	X	X	X	X
Highway 260 and Johnson Lane	X	X		X			X			X					X			X
Highway 260 and Main Street	X	X	X	X	X	X												
Klondyke Tailings Project													X	X	X	X	X	X
Lake Havasu Avenue and Holly Avenue		X	X	X	X	X												
Los Reales Landfill (Old WQARF*)													X	X	X	X	X	X
Miller Valley and Hillside Avenue		X	X	X	X	X												
Miracle Mile							X	X			X				X			X
Park-Euclid	X	X					X	X			X				X	X	X	X
Payson PCE													X	X	X	X	X	X
Pinal Creek (Old WQARF*)													X	X	X	X	X	X
Shannon Road/El Camino del Cerro	X	X							X	X					X	X	X	X
Silverbell Landfill (Old WQARF*)													X	X	X	X	X	X
South Mesa													X	X	X	X	X	X
Stone Avenue and Grant Road	X			X				X		X				X	X	X	X	X
Vulture Mill													X	X	X	X	X	X
WCP - East Grand Avenue							X	X	X			X						
WCP - North Canal Plume	X	X					X	X				X			X	X	X	X
WCP - North Plume	X								X	X			X	X	X	X	X	X
WCP - West Osborn Complex	X	X							X	X					X	X	X	X
Western Avenue Plume													X	X	X	X	X	X
West Van Buren						X	X	X										

* Prior to the WQARF Reform Legislation of 1997, Remedial Action Plans (RAPs) are equivalent to RODs



FY20 WQARF PROGRESS



PI

29 In Progress

10 Periodic Monitoring

24 No Further Investigation or Action (NFIA) and/or referred to other program(s)

0 Listed

WQARF PHASES COMPLETED

RI

- Stone Avenue & Grant Road (Tucson)
- Miller Valley Road & Hillside Avenue (Prescott)
- East Central Phoenix - 48th Street and Indian School Road (Phoenix)

FS

- East Central Phoenix - 24th & Grand Canal (Phoenix)
- East Central Phoenix - 32nd Street and Indian School Road (Phoenix)
- East Central Phoenix - 48th Street and Indian School Road (Phoenix)
- Stone Avenue & Grant Road (Tucson)
- 7th Street and Missouri Avenue (Phoenix)
- Miracle Mile (Tucson)
- West Central Phoenix - North Canal Plume (Phoenix)
- West Central Phoenix - East Grand Avenue (Phoenix)

PRAP

- 7th Street and Missouri Avenue (Phoenix)
- 7th Street and Arizona Avenue (Tucson)
- Cooper and Commerce (Gilbert)
- Shannon Road/El Camino del Cerro (Tucson)
- Stone Avenue & Grant Road (Tucson)
- East Central Phoenix - 24th & Grand Canal (Phoenix)
- Park-Euclid (Tucson)
- Highway 260 and Johnson Lane (Pinetop-Lakeside)

ROD

- 7th Street and Arizona Avenue (Tucson)
- Cooper and Commerce (Gilbert)
- Stone Avenue & Grant Road (Tucson)
- West Central Phoenix - North Plume (Phoenix)

3RD PARTY WORK

ADEQ also oversees WQARF site investigation and remedial activities that cooperating parties pay for and conduct. Costs ADEQ incurs for this oversight are recoverable.

Site	3rd Party	Terms of Activity
56th Street and EarlI Drive	NXP USA, Inc. (formerly Freescale Semiconductor, Inc.)	NXP USA, Inc. (formerly Freescale Semiconductor, Inc.)
Los Reales Landfill	City of Tucson	City of Tucson
Park-Euclid	Park-Euclid Group	Park-Euclid Group
Pinal Creek	Freeport McMoRan Inc. as successors of interest under a Consent Decree; BHP and Pinal Creek Working Group	Freeport McMoRan Inc. as successors of interest under a Consent Decree; BHP and Pinal Creek Working Group
Silverbell Landfill	City of Tucson	City of Tucson
West Central Phoenix (WCP) - East Grand Avenue	Univar	Univar
West Van Buren	Air Liquide America Specialty Gases LLC	Air Liquide America Specialty Gases LLC

CROSS-PROGRAM REMEDIAL ACTION

Program monies can also be used to perform Remedial Actions pursuant to Arizona Revised Statutes (A.R.S.) §49-281(12) and §49-282(E)(2)(a), as well as to fund cleanup of selected sites to protect public health and the environment from a release or threat of release of a hazardous substance or pollutant under authority of A.R.S. §49-282.02.

Under this authority, the WQARF program conducted work at the following site:

MOUNTAIN VIEW ESTATES

Performed O&M of a soil cap this former Superfund site.

Under this authority, the WQARF program also assisted the ADEQ Water Quality Division with the following:

SURFACE WATER QUALITY IMPROVEMENT

WQARF money helps provide the ADEQ Surface Water Quality Improvement Value Stream with data necessary to evaluate the quality of Arizona's waterbodies, develop watershed improvement plans, assess projects implemented and improve water quality throughout Arizona.

- ADEQ submitted the triennial review to EPA on November 19, 2019.
- ADEQ submitted the 2020 Clean Water Act Assessment to EPA on October 29, 2019
- Collected and analyzed 655 samples from 204 stream sites.
- Collected and analyzed 155 samples from 10 lakes.
- ADEQ established and monitored 16 new monitoring sites within the Babocomari watershed to help understand and verify suspected sources of E.coli impairing the watershed. Thirteen additional sites were established and 65 samples were collected within the Upper San Pedro River Basin to understand the relative importance of municipal vs. agricultural non-point sources of pollution within the watershed.
- Arizona Water Watch trained 19 volunteer groups. These groups include: Greenbrush Grunts, Slide Rock State Park, Friends of the Forest, Oak Creek Watershed Council, Friends of the Tonto, Butte Creek Restoration Council, Friends of The Santa Cruz River, National Park Service Tumacacori, Gila Watershed Partnership, AZ Water Dogs, Verde OAW Sierra Club, Sierra Club San Pedro, Sierra Club Spring Creek, Sierra Club Lower Verde, Trout Unlimited, Verde River Institute, Grand Canyon University, Hassayampa Nature Preserve and Tonto National Forest.
- Collected and analyzed approximately 100 water quality samples and/or evaluated best management practices for about 30 Water Quality Improvement Grant projects in 5 watersheds.

EMERGENCY RESPONSE

Program monies fund a wide array of critical remedial response actions taken by the Emergency Response Unit (ERU) to protect public health and the environment from a release or threat of release of a hazardous substance or pollutant through Arizona Revised Status (ARS) 49-282(E)(8).

These actions range from, but are not limited to:

- Responding to chemical spills
- Coordinating statewide emergency response actions (e.g., wildfires)
- Serving on multi-agency taskforces to address potential statewide health risks
- Monitoring air quality during unplanned or emergency events (e.g., industrial facility fires)
- Detecting and identifying potentially harmful chemicals for fire departments and public safety personnel

PREPAREDNESS RESPONSE SUMMARY



AIR QUALITY MONITORING SUPPORT FOR EMERGENCY RESPONSE

ADEQ ERU has partnered with Maricopa County Air Quality Division as the emergency response provider for incidents that occur after business hours. This initiative also includes assisting public safety personnel with air quality monitoring during incidents that have a high impact to the community in metropolitan areas in Maricopa County.

Since initiation of the program in November 2017, ADEQ ERU has provided support for:

- Over a dozen incident responses for airquality monitoring in the Phoenix area and over a dozen incidents for counties surrounding Maricopa

WILDFIRE SMOKE MONITORING - WOODBURY FIRE

At the request of the Gila and Navajo County Emergency Managers, ERU responded to conduct smoke monitoring and provide data to the Gila and Navajo County Health Department and Emergency Managers so they could make decisions regarding residents' safety. ERU has also coordinated with the Air Quality Division to produce a single source of accurate and timely information regarding wildfires around the state and the overall impact they have on communities. This coordination is an ongoing effort.

AGENCY PARTNERS

ARIZONA DEPARTMENT OF WATER RESOURCES (ADWR)

Program monies can be used to fund support services to WQARF by the Arizona Department of Water Resources pursuant to A.R.S. §49-282(C) and §49-282(E)(12).

These services are part of the Arizona Water Quality Fund Program and include, but are not limited to:

- Performing technical review of well applications, such as Notices of Intent (NOIs) to Drill/Abandon/Deepen/Modify/Replace a Well, Applications to Drill and Operate a Non-Exempt Well, and Groundwater Withdrawal Permits* and consult with ADEQ regarding new wells, abandonments, modifications to wells near remedial action sites
- Conducting well inventories to support WQARF program, as requested**
- Coordinating with ADEQ regarding database needs in support of WQARF program*
- Establishing a mechanism to exchange verified well locations and GPS measurements within ADWR's Well Registry (WELLS55) database**
- Performing other WQARF and water quality activities as required by statute, rule or Interagency Service Agreement (ISA)

*Required by statute or law

**Recommended by Groundwater Cleanup Task Force

FY20 ARIZONA WATER QUALITY FUND PROGRAM ACCOMPLISHMENTS

3,246 Reviews of NOIs to Drill/Abandon/Deepen/Modify/Replace wells for proximity to WQARF/CERCLA or other remedial action sites

865 Reviews of NOIs to Drill/Abandon/Deepen/Modify/Replace wells near or within WQARF/CERCLA or other remedial action sites for water quality concerns, potential contaminant plume migration and well construction

15 Review of permit application to withdraw groundwater for proximity to WQARF/CERCLA or other remedial action sites

4 Quarterly reports submitted to ADEQ as required by ISA

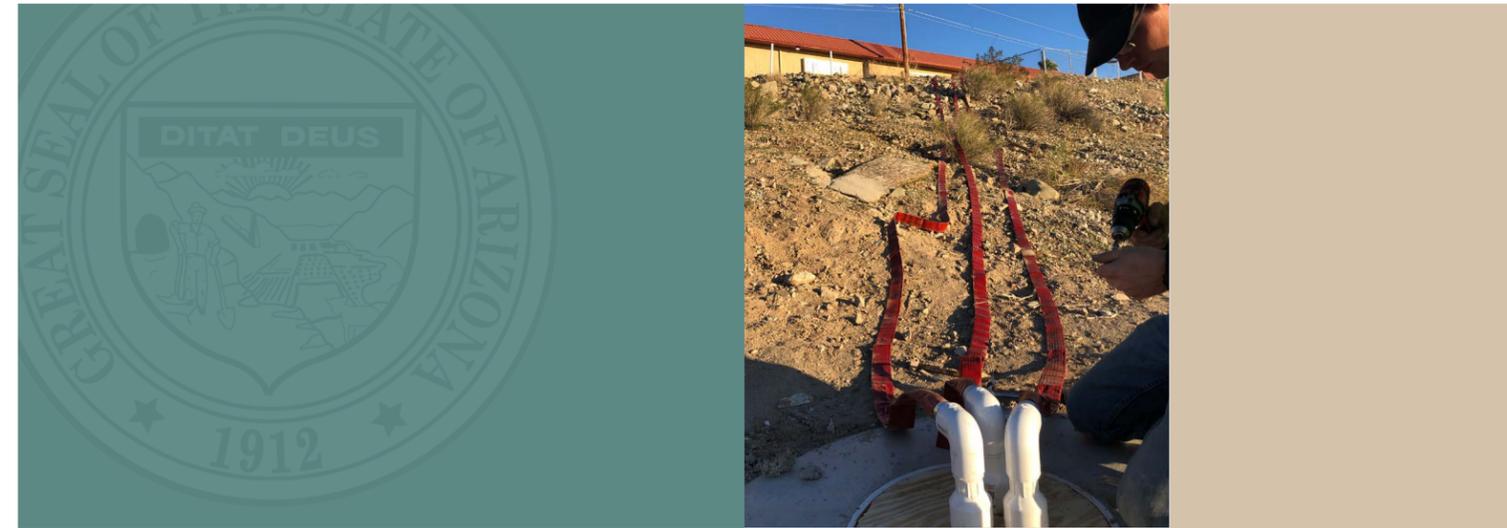
1 Annual FY18 report on ADWR WQARF activities submitted to the Governor, Legislature and WQARF Program

Over the last four years, ADWR successfully designed and employed a more efficient process for collaborative review of NOIs near remedial action sites and selected the project as a Lean Transformation in Government project.

ARIZONA DEPARTMENT OF HEALTH SERVICES (ADHS)

Program monies can be used to fund assessment and evaluation of hazardous substances to public health by the Arizona Department of Health Services pursuant to A.R.S. §9-282(E)(15).

ADEQ made no requests of ADWR during FY20.



FY20 WQARF FINANCIALS



WQARF COST RECOVERY ACTIVITY

Pursuant to A.R.S. § 49-282(E)(1), WQARF can be used to provide state-matching funds or to meet other obligations as prescribed by §104 of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). WQARF funds are also used for oversight activities at state-lead CERCLA sites, which are reimbursed by the responsible parties. Cost reimbursement activities at WQARF and CERCLA sites supported by ADEQ are provided below.

SITE CODE	WQARF SITE	NUMBER OF PACKAGES	THIRD-PARTY
030016-99	Camp Navajo DEMA	4	15,916.41
040010-00	Pinal Creek	2	9,130.23
040042-00	Copper Cities Unit	2	1,366.08
040050-00	Miami Tailings Reprocessing	2	9,642.70
400000-04	North Indian Bend Wash	1	17,593.63
509216-00	56th Street and Earll Drive	2	3,092.78
512051-00	Maroon Crater	4	9,656.76
512357-00	Honeywell 34th Street	4	22,400.36
512472-00	Park Euclid	2	3,498.88
512820-00	Kingman Range NDNODS	1	9,313.59
513284-00	Fort Tuthill	2	1,060.33
Total Reimbursement Requested		26	102,671.85
Total Payments Received*			81,692.34

*Requests for reimbursement are sent to responsible parties quarterly. The difference between the requested and received amount reflects an outstanding balance, which may be paid in the following fiscal year.

WQARF REVENUES AND EXPENDITURES

Note:
All figures expressed in thousands.

BALANCE	FY19 ACTUAL	FY20 PROJECTION	FY20 ACTUAL
Beginning Fund Balance - WQARF & Priority Sites	4,585.0	0.0	2,577.9
Beginning Fund Balance - Site Specific Account	7,276.0	3,021.6	443.7
Subtotal: Funds Available	11,861.0	3,021.6	3,021.6
Prior Year Corporate Income Tax Reversion	0.0	0.0	0.0
Total Balance from Prior Year	6,252.3	11,861.0	11,861.0
REVENUE SUBJECT TO 18M CAP	FY19 ACTUAL	FY20 PROJECTION	FY20 ACTUAL
Corporate Income Tax (CIT)	0.0	0.0	0.0
Emissions Inspection Fund	6,500.0	2,800.0	2,800.0
Air Quality Fund	5,000.0	2,600.0	2,600.0
Underground Storage Tank Fund	0.0	5,000.0	5,000.0
Permit Administration Fund	0.0	1,000.0	1,000.0
Recycling Fund	2,052.0	2,152.0	2,152.0
FEES:			
Municipal Water (A.R.S. 42-5302)	618.7	615.0	642.3
Fertilizer Registration (A.R.S. 3-272)	60.4	70.0	13.3
HW Facility Registration Fee (A.R.S. 49-929/49-930)	184.8	200.0	0.0
HW Manifest Re-submittal Fee (A.R.S. 49-922.01)	0.0	0.0	0.0
Industrial Discharge Permit Fee (A.R.S. 49-209)	34.3	40.0	0.0
Pesticide Registration (A.R.S. 3-351)	1,030.6	1,390.0	1,239.3
Quality Assurance Fee (A.R.S. 45-616)	0.0	0.0	0.0
Subtotal: Fees	1,928.8	2,315.0	1,894.9
Total Revenue Subject to 18M Cap	15,480.8	15,867.0	15,446.9
REVENUE NOT SUBJECT TO 18M CAP	FY19 ACTUAL	FY20 PROJECTION	FY20 ACTUAL
Consent Decrees	223.2	0.0	231.0
Cost Recovery (A.R.S. 49-282)	316.5	0.0	237.9
Responsible Parties	539.7	0.0	468.9
<i>*Includes revenue from prior year packets</i>			
Prospective Purchaser Agreement (A.R.S. 49-285.01)	3.6	0.0	10.0
Interest (A.R.S. 49-282)	108.6	80.0	81.2
Other Income	(1,869.4)	0.0	68.5
Other Revenue	(1,757.2)	80.0	159.7
Total: Revenue Not Subject to 18M Cap	(1,217.5)	80.0	628.6
Beginning Balance and Revenue	26,124.3	18,968.6	19,097.1
EXPENDITURES	FY19 ACTUAL	FY20 PROJECTION	FY20 ACTUAL
Non-Site Expenditures	4,991.4	8,823.0	6,563.0
Site Expenditures	17,849.1	8,864.4	8,136.5
Transfers Out	262.2	214.4	157.4
General Fund Sweep	0.0	0.0	0.0
Total Expenditures	23,102.7	17,901.8	14,856.9

WQARF EXPENDITURE STATEMENT

Note:
All figures expressed in thousands.

CORE EXPENDITURES	FY21 SPENDING PLAN
WQARF Professional & Support Staff	4,856.7
Professional & Outside - Remedial Projects	0.0
Hydrologic Support & Assessment	1,292.7
Professional & Outside Hydrologic Support & Assessment	208.2
Emergency Response	458.4
Attorney General's Office	400.0
PRP Identification/Liability	200.0
Litigation	0.0
Appeals	0.0
Advisory Board	0.0
Rule Development	0.0
Community Involvement/General WQARF	0.0
Core Expenditures	7,416.0

REGISTRY SITES AND PRELIMINARY INVESTIGATIONS (PI)	FY21 SPENDING PLAN
RI/FS - Site Specific WQARF	3,563.0
Clean up - Site Specific WQARF	2,702.0
ERA	2,180.0
O&M	1,830.0
Community Involvement	20.0
Preliminary Investigations	500.0
Registry Sites & PI	10,795.0

Subtotal: WQARF Program	\$18,211.0
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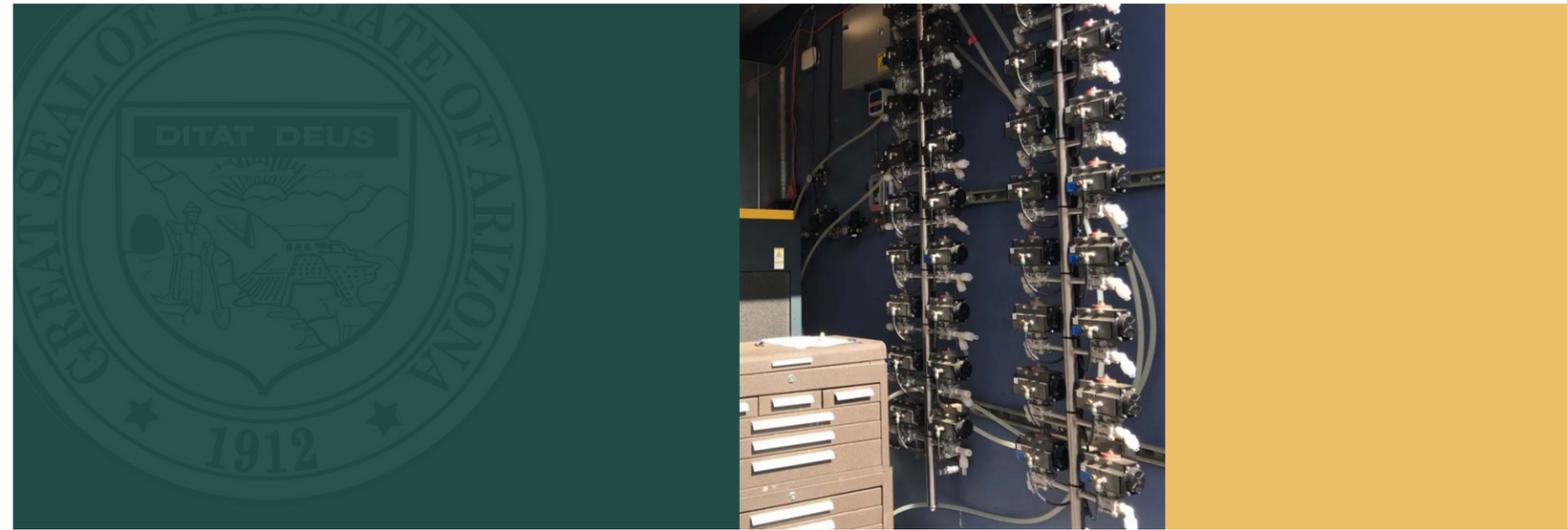
TRANSFERS AND DISBURSEMENTS	FY21 SPENDING PLAN
Department of Health Services - Risk Assessment	0.0
Department of Water Resources - Appropriation Transfer Out	130.0
Aid to Municipalities	0.0
Voluntary Program	0.0
Subtotal: Transfers & Disbursements	130.0

Total Disbursements	\$18,341.0
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* Money reimbursed by Federal Project Unit for cost recovery not included in sites total

WQARF SITE BUDGET

SITE	FY21 PROJECTED BUDGET
7TH STREET & ARIZONA AVENUE	\$242,000
7TH AVENUE & BETHANY HOME ROAD	\$916,000
7TH STREET & MISSOURI AVENUE	\$340,000
16TH STREET & CAMELBACK ROAD	\$16,000
20TH STREET & FACTOR AVENUE	\$500,000
56TH STREET & EARLL DRIVE	\$0
HIGHWAY 260 & JOHNSON LANE	\$70,000
HIGHWAY 260 & MAIN STREET	\$375,000
BROADWAY-PANTANO	\$635,000
CENTRAL AVENUE & CAMELBACK ROAD	\$218,000
COOPER ROAD & COMMERCE AVENUE	\$167,000
ECP - 24TH STREET & GRAND CANAL	\$505,000
ECP - 32ND STREET & INDIAN SCHOOL ROAD	\$300,000
ECP - 38TH STREET & INDIAN SCHOOL ROAD	\$350,000
ECP - 40TH STREET & OSBORN ROAD	\$46,000
ECP - 48TH STREET & INDIAN SCHOOL ROAD	\$145,000
ESTES LANDFILL	\$15,000
HARRISON RD & MILLMAR DROSS	\$18,000
KLONDYKE MINE TAILINGS	\$65,000
LOS REALES LANDFILL (old WQARF)	\$0
LAKE HAVASU & HOLLY AVENUE	\$470,000
MILLER VALLEY ROAD & HILLSIDE AVENUE	\$67,000
MIRACLE MILE	\$83,000
MOUNTAIN VIEW ESTATES	\$0
PARK-EUCLID	\$0
PAYSON PCE	\$30,000
PINAL CREEK (old WQARF)	\$0
SHANNON RD & EL CAMINO DEL CERRO	\$212,000
SILVERBELL LANDFILL	\$0
SOUTH MESA	\$160,000
STONE AVE & GRANT RD	\$400,000
VULTURE MILL	\$27,000
WCP - EAST GRAND AVENUE	\$0
WCP - NORTH CANAL PLUME	\$165,000
WCP - NORTH PLUME	\$365,000
WCP - WEST OSBORN COMPLEX	\$100,000
WEST VAN BUREN	\$0
WESTERN AVENUE	\$93,000
TUCSON DM PFAS INVESTIGATION	\$3,200,000
VARIOUS PRELIMINARY INVESTIGATIONS	\$500,000
WQARF Sites Budgets FY21	\$10,795,000

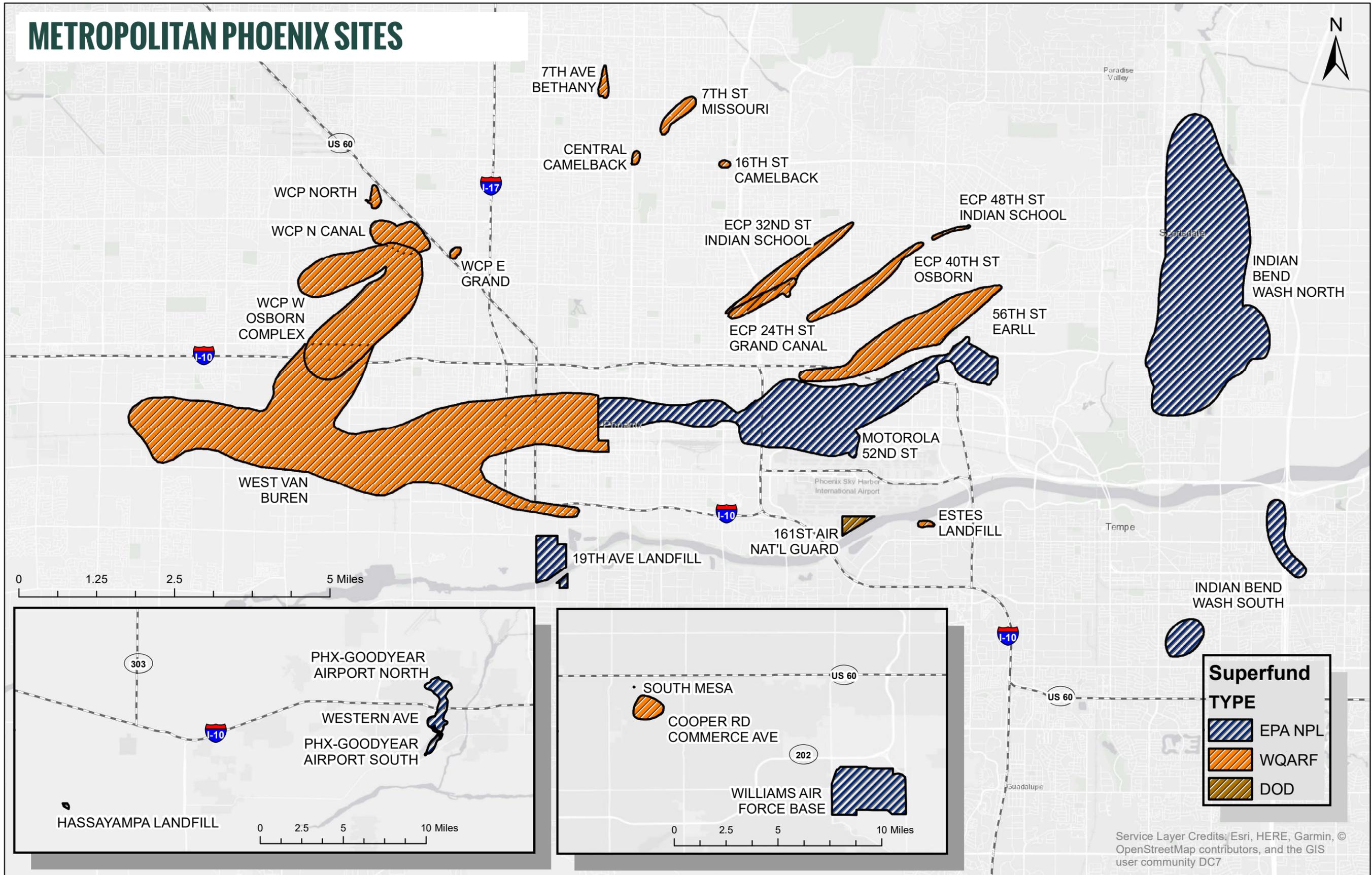


FIGURES

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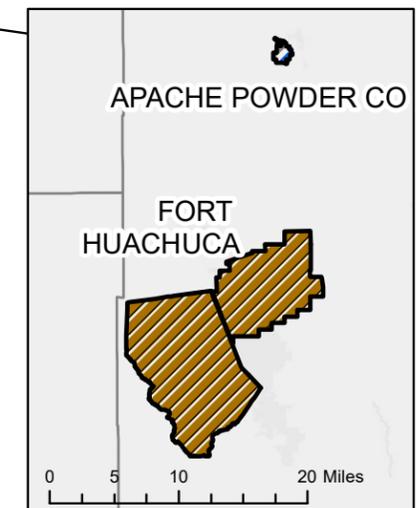
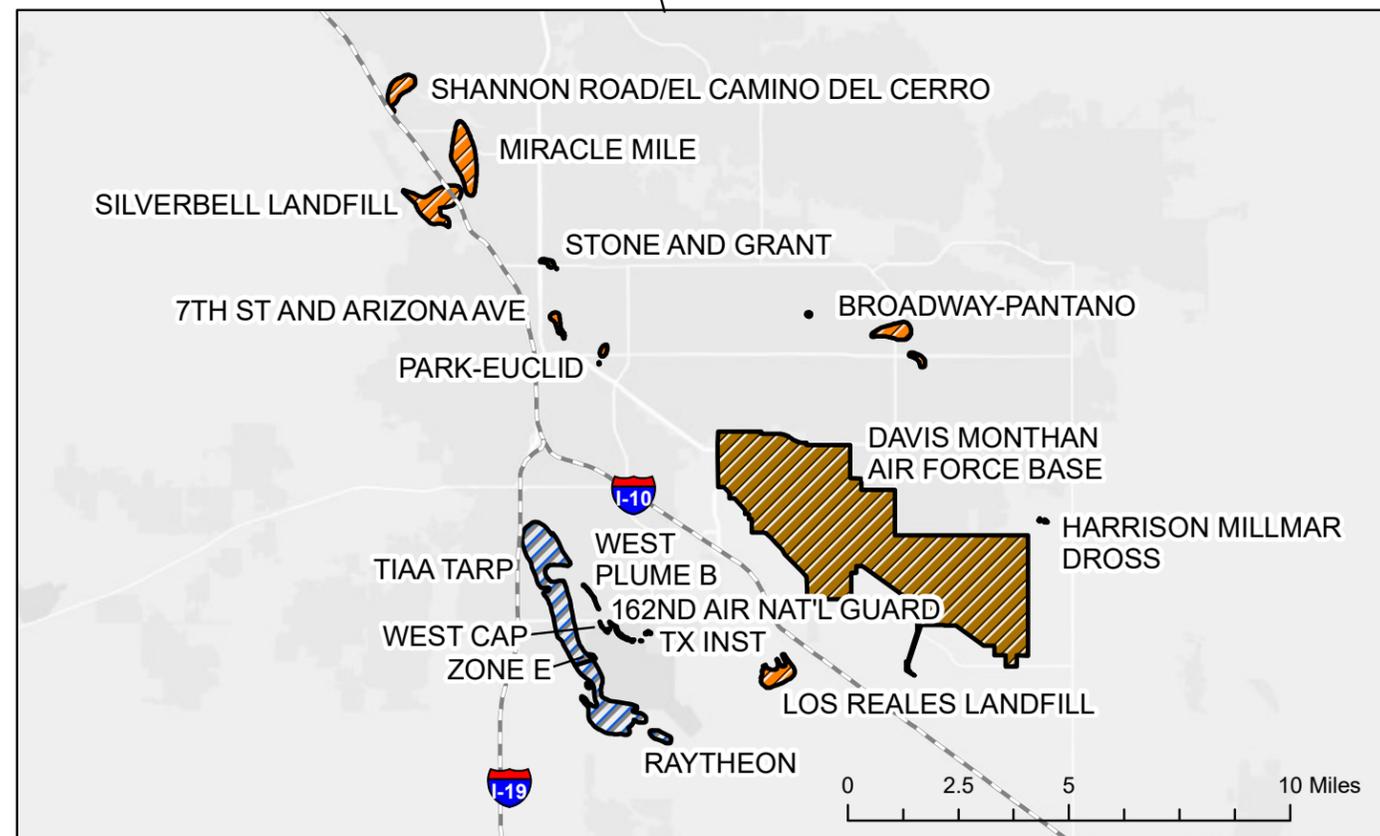
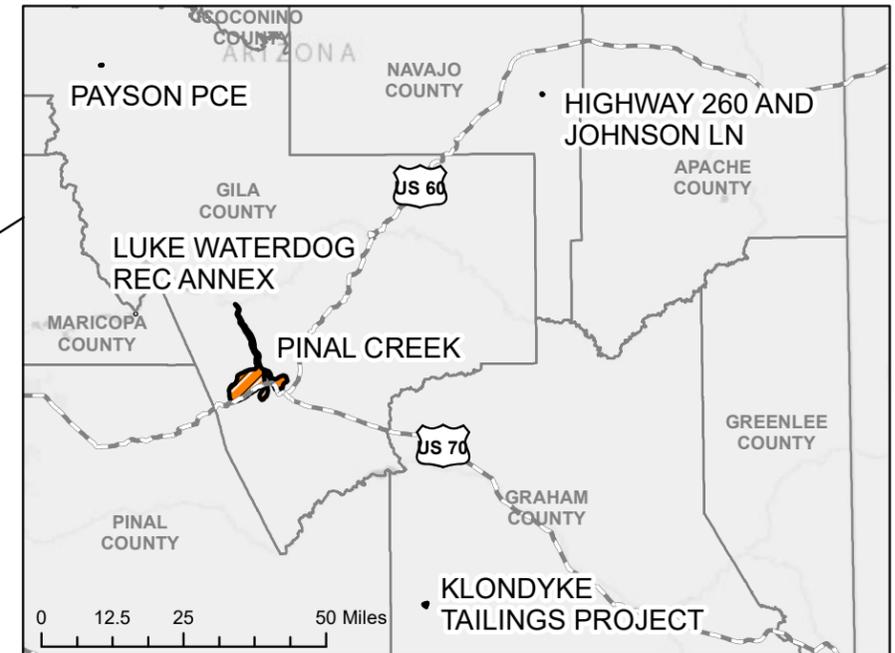
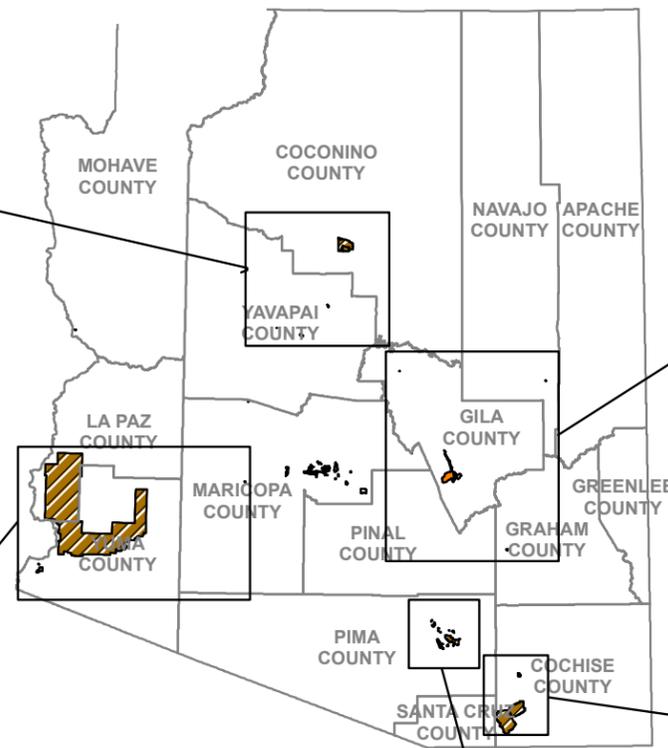
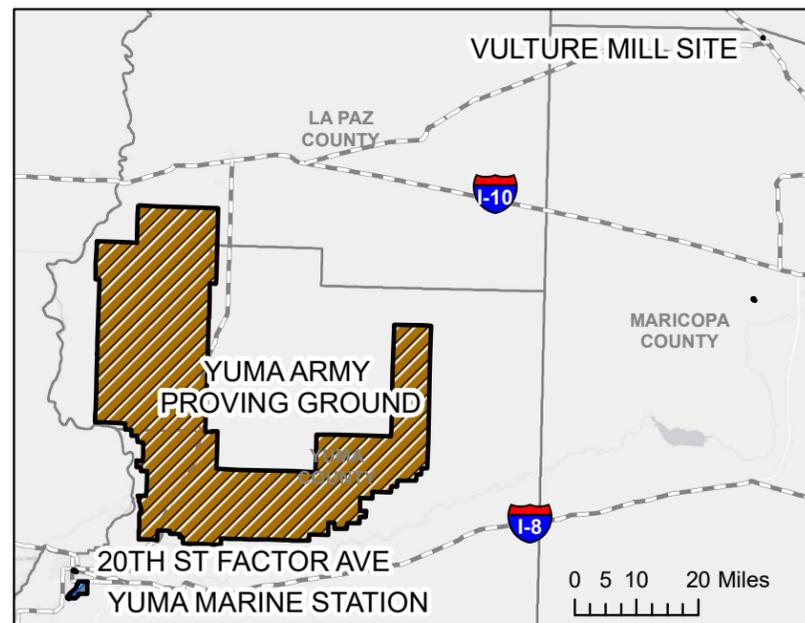
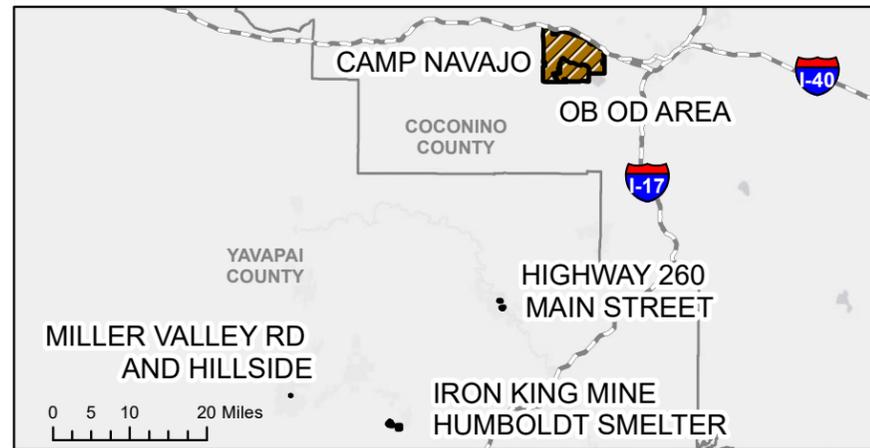


METROPOLITAN PHOENIX SITES



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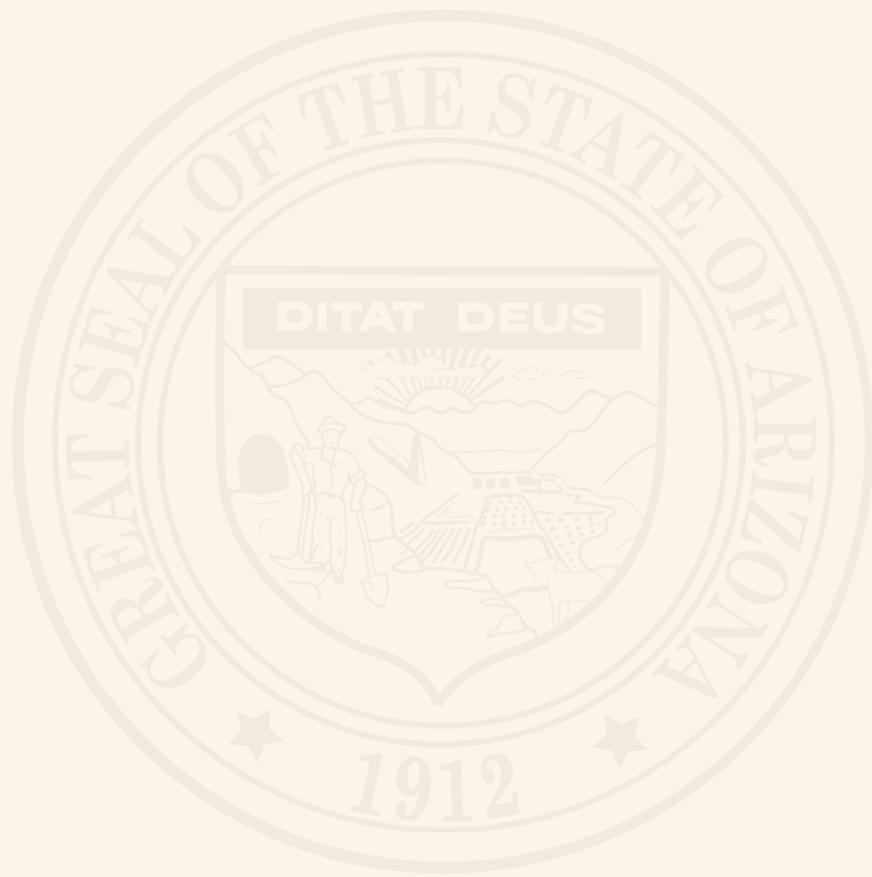
STATEWIDE SITES



Superfund TYPE

-  EPA NPL
-  WQARF
-  DOD
-  Highways
-  Counties

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WATER QUALITY ASSURANCE REVOLVING FUND FY20 ANNUAL REPORT

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