HYDROLOGIC DATA REPORT
VOLUME II - SURFACE WATER AND STREAMFLOW DATA
WATER YEAR 2019



Indian Bend Wash south of Indian Bend Road
(photo date: October 2, 2018)

PREFACE

This publication presents the surface water data collected by the Flood Control District of Maricopa County's automated water-level gage network. This telemetered network is located primarily throughout Maricopa County, Arizona with additional gages in Yavapai, Pinal, Yuma, and La Paz Counties. This is the 26th annual water data report published by the District. Annual reports are available for Water Years 1994 – 2019.

The surface water data contained in this report were collected, compiled and edited by the Flood Warning Branch of the Flood Control District. Data include mean daily, total, maximum, and minimum discharges at the flow sites; mean daily, maximum, and minimum pool levels at the storage locations; and mean daily, maximum, and minimum volumes stored at the storage locations. Additional graphics are provided for the user to help put the data in context with historic records at the gage. Flood flow frequency data are computed for stations with sufficient record (> 11 years of non-zero flow.)

Disclaimers:

1. Flood flow frequency graphics, whether computed in-house or cited from FEMA floodplain studies, are provided for informational purposes only and should not be considered for regulatory purposes.

2. The information contained herein is as accurate and complete as possible within the limitations of real-time data collection technology currently available. Wherever possible, notes have been included to identify questionable data. Reliance upon the accuracy, reliability, and authority of this information is solely the responsibility of the user.

3. Mention of any products, companies, or specific brand names in this report does not constitute endorsement of those companies or products.

Revisions to any of these data for any reason will be published in the following years' reports in an appendix to the report.

Copies of this report may be purchased from:

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INTRODUCTION

The Flood Control District of Maricopa County (FCDMC or District) collects a large amount of data pertaining to surface water runoff in and around Maricopa County. Stations report data to the main database at least 4 times daily, even if the data is zero (no flow.) During runoff events, data are transmitted to the database more frequently, as water levels rise and fall.

The District has changed the stations' data transmit protocol from ALERT1 to ALERT2. Though all streamflow stations have been upgraded to the new ALERT2 protocol, most of the stations installed prior to WY2015 remain as ALERT1 ID format. Streamgage IDs will be upgraded to ALERT2 format in the future.

The District makes its data available to the public in several useful ways. This annual report is but one manner. Additionally, current and raw/analyzed data are available in real-time from the District's flood warning web site. Historic data are also available from individual stream or dam/impoundment web pages.

This report includes records on discharge at stream gages and at flood control storage structures. The count of sensors and stations is:

Table 1: Station / Sensor Distribution

Total Stations reported in this Report	205
Total Sensors deployed	216
Sensors on Streams	136
Sensors on Impoundments	69
Stage only sites	7
Sites with multiple water-level sensors	3
Status Sensors	5

Stream and impoundment gages are installed for various needs. For District owned channels, dams, and basins, ALERT gages are placed to monitor flow in channels, and impoundment behind dams to satisfy regulatory requirements. Additional stations are installed in response to local agency requests, current or future flood control project needs, public safety needs, and elsewhere as needed.

DATA COLLECTION

This is the 26th annual surface water report published by the District. Prior to water year 1994, surface water data collected by the FCDMC ALERT System were not quality controlled, and therefore, not published. Furthermore, remote sites did not send zero flow information and only transmitted during runoff events. Nevertheless, limited data are available prior to water year 1994 for stations that existed before October 1, 1993. Unfortunately, there is no available data for dates prior to October 1, 1987, even if the station existed prior to this date.

The data are collected as a depth of flow in feet (aka stage). The discharge and/or volume is then obtained by applying the stage to a rating curve of stage versus discharge in cubic feet per second (cfs), or stage versus volume in acre-feet (ac-ft). The discharge rating curves have been developed at stream gages by using field surveyed cross sections for use in an HECRAS step-backwater computer model to obtain a range of stage versus discharge points to be plotted on a curve. These step-backwater ratings are refined whenever possible using direct and/or indirect measurements made at or near the gage site.

For flood control storage structures, discharge ratings were obtained in one of two ways. First, the design ratings may be used. In most cases however, the discharge rating curves were developed by application of the Federal Highway Administration's HY-8 computer model for culvert flow and U.S. Geological Survey methods for weir flow over the uncontrolled emergency spillways. The storage rating curves were obtained from published as-built or construction plans or developed from digital elevation data.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. A similar computation is done for storage facility volume. The minimum and maximum values are based on instantaneous discharge or volume readings and the volumes for discharge stations are based on accumulations of daily means.

All data in this report have been reviewed and edited in an attempt to provide the most accurate data possible. A blank or blanks, represented with ---, within the data set is an indication that data were lost either due to hardware, software, or radio problems, or that the gage had not yet been installed. Where possible, these data are flagged with footnotes describing the time the gage was down.

In the event that published records require revision, revisions are printed in later reports. Listed in the heading for each gage where records have been revised are all the reports in which revisions have been published for the station and the water years to which the revisions apply (e.g. WY1999: WY1994-95 means that the data for Water Years 1994-1995 were revised in the report for Water Year 1999). Revisions will be published in an appendix to the annual report.

Several streamflow gages are operated cooperatively between the FCDMC and the United States Geological Survey (USGS). There are several USGS coorperative sites that also house a District ALERT gage. Additionally, there are several continuous USGS gages that do not have a District ALERT gage at the USGS site. Also as part of the cooperative agreement, the USGS maintains a number of peak-only stations (non-continuous) that only report an annual maximum. Tables 2 and 3 on the following pages show the USGS gages, along with any associated District gage as well.

Table 2: USGS Continuous Stations, WY 2018

USGS Station Name	USGS Station ID	Location	FCD Gage
		Lat/Long DD MM SS	
Indian Bend Wash at Curry Road nr Tempe	09512162	33 26 25 / 111 54 52	No
Salt River at Priest Drive nr Tempe	09512165	33 26 22 / 111 57 37	Yes, ID #4523
Cave Creek below Cottonwood Creek	09512280	33 53 14 / 111 57 12	Yes, ID #4923
New River near Rock Springs	09513780	33 58 27 / 112 05 54	No
Skunk Creek near Phoenix	09513860	33 43 45 / 112 07 09	Yes, ID #5568
Gila River at Estrella Parkway nr Goodyear	09514100	33 23 15 / 112 23 30	Yes, ID #6853
Hassayampa River near Morristown	09516500	33 53 06 / 112 39 41	Yes, ID #5523
Hassayampa River near Arlington	09517000	33 20 50 / 112 43 30	No
Centennial Wash at SPRR near Arlington	09517490	33 18 37 / 112 52 52	Yes, ID #5103

Table 3: USGS Annual Peak Stations, WY2019

USGS Station Name	USGS Station ID	Location	FCD Gage
		Lat/Long DD MM SS	
Vekol Wash at I-8	09488650	32 50 30 / 112 15 04	Yes, ID #6983
Tortilla Creek at Tortilla Flat	09501300	33 31 38 / 111 23 13	No
Camp Creek near Sunflower	09510170	33 45 35 / 111 29 44	No
Rock Creek near Sunflower	09510180	33 43 49 / 111 30 28	No
Indian Bend Wash at Shea Boulevard	09512090	33 35 05 / 111 58 10	Yes, ID #4693
Salt River Tributary in South Mountain Park	09512200	33 20 49 / 112 05 03	No
Agua Fria River Tributary #2, near Rock Springs	09512700	34 02 00 / 112 08 42	No
Deadman Wash near New River	09513820	33 50 30 / 112 08 40	No
Waterman Wash near Buckeye	09514200	33 19 49 / 112 30 33	No
Hartman Wash near Wickenburg	09515800	33 57 46 / 112 49 40	Yes, ID #7063
Ox Wash near Morristown	09516600	33 53 00 / 112 39 00	No
Jackrabbit Wash near Tonopah	09516800	33 39 32 / 112 49 40	No
Centennial Wash Tributary near Wenden	09517200	33 50 40 / 113 27 00	No
Tiger Wash near Aguila	09517280	33 44 30 / 113 16 43	Yes, ID #5163
Winters Wash near Tonopah	09517400	33 29 22 / 112 55 05	No
Rainbow Wash Tributary near Buckeye	09519600	33 14 35 / 112 38 15	No
Bender Wash near Gila Bend	09519750	32 54 25 / 112 33 05	Yes, ID #6963
Sauceda Wash near Gila Bend	09519760	32 52 14 / 112 45 30	Yes, ID #6923
Military Wash near Sentinel	09520100	32 50 43 / 113 16 44	No
Crater Range Wash near Ajo	09520230	32 33 44 / 112 52 37	No
Star Wash near Tonopah	09516790	33 37 59 / 112 46 44	No
Delaney Wash near Tonopah	None	33 28 08 / 112 58 10	Yes, ID #5108

DEFINITION OF TERMS

Terms related to streamflow and other hydrologic data as used in this report are defined below:

Table 4: Definitions

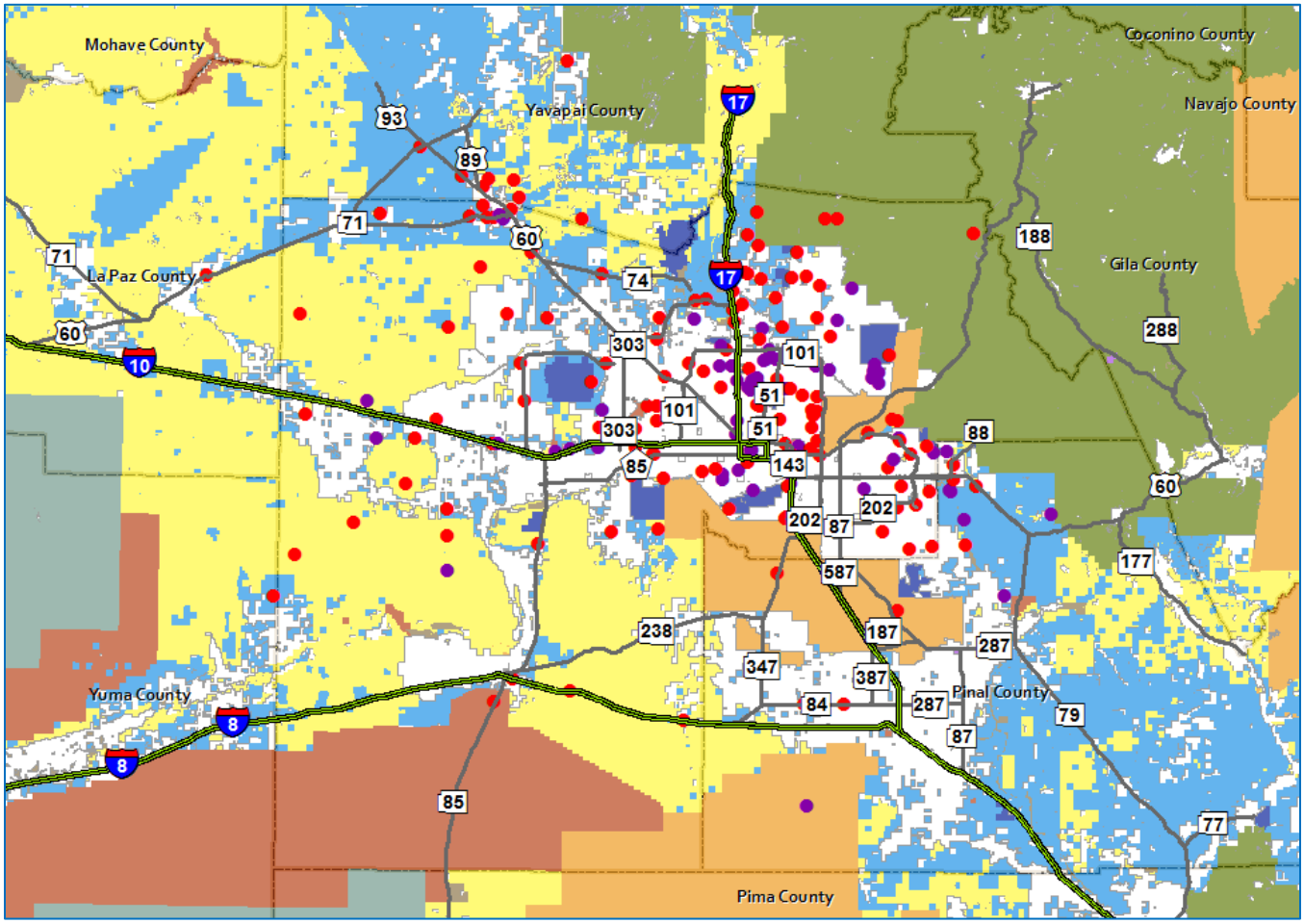
Term	Definition
Acre-foot (ac-ft or af)	The quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.
Basin	A typically man-made structure that is partially or entirely below the normal grade of land where it lies. It is for detaining water for release to another structure such as a storm drain.
CAP	Central Arizona Project, as in the CAP canal.
Cubic Feet per Second (cfs)	The rate of discharge representing a volumne of 1 cubic foot passing a given point during a one-second interval, and is equivalent to approximately 7.48 gallons per second, 448.8 gallons per minute, or 0.02832 cubic meters per second.
Daily Mean Discharge	The average discharge in cfs for a 24 hour period from midnight to midnight the following day.
Data Gaps in Period of Record	Data gaps referred to here are typically due to construction activites that cause the gage and station to be removed and out of service for a period of time. There are times when the station is down due to internal or external failure (battery, transmitter, repeater), but the station remains 'in the ground.' These gaps are not accounted for in this report.
Discharge (Q)	The volume of water (or more broadly, total fluid plus suspended sediment), that passes a given point within a given period of time.

Drainage Area (DA)	The area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point.
Flood Flow Frequency	Refers to the magnitude (in terms of peak discharge) and probability of floods at a given gaging station. The flood flow frequency is usually given as a peak discharge associated with a given recurrence interval at a particular gaging station.
FRS	Flood Retarding Structure, refers to dams originally constructed by the Soil Conservation Service (SCS), now known as the Natural Resources Conservation Service (NRCS).
Gage (or gauge)	Refers to a measuring device or sensor, such as a pressure transducer, or bubbler orifice, or a passive device, such as a staff gage, or crest-stage gage.
Gage Datum	The elevation of the zero point of the reference gage from which gage height is determined. This elevation is established by a system of levels from known bench marks or by approximation from topographic maps or arbitrarily established to a known point such as a culvert invert elevation.
Gage Height	The water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.
Gage Station or Station	A particular site on a river, stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.
Mean Discharge (cfs)	(MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

NGVD29 – (aka MSL)	A geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.
NAVD88	A datum based on the mass or density of the Earth instead of the varying values of the heights of the seas. Measurements of the acceleration of gravity are made at observation points in a network. Only one point is defined as the datum point. The vertical reference surface is then defined by the surface on which the gravity values are equal to the datum point value. This is called an equipotential surface.
Peak Discharge (cfs)	is the maximum instantaneous discharge for a given flood event.
Period of Record (POR)	is the time period for which data exists for a given stream gaging station.
Pressure Transducer	is an instrument used to measure the depth of water. It is an analog instrument which measures a pressure change over a diaphragm. The depth of water is related to the change in pressure over the diaphragm created by the weight of the water above the instrument.
Recurrence Interval	is the reciprocal of the probability of a flood occurring in any given year. Thus, the flood having a 1% (1/100, or 1 in 100) chance of occurring in any given year has a recurrence interval of 100 years and is referred to as the 100-year flood. Similarly, the flood having a 50% (1/2 or 1 in 2) chance of occurring in any given year has a recurrence interval of 2 years and is referred to as the 2-year flood.
Staff Gage	is a device located at the gaging station to provide a visual reference to the depth of water at a gage in terms of gage height above the water level measuring instrument.

Stage-Discharge Relationship	is the relation between gage height (stage) and the volume of water, per unit of time, flowing in a channel or from a pipe or culvert.
Stage-Storage Relationship	is the relation between gage height (stage) and the volume of water stored behind or within a flood control impoundment structure.
Streamflow	is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.
Water Year	dealing with surface-water data is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and includes 9 of the 12 months. Thus, the water year beginning October 1, 2015 and ending September 30, 2016, is called the "2016 Water Year."

FCDMC STREAMFLOW AND IMPOUNDMENT GAGE LOCATIONS – WY 2019



●	Streamflow Station
●	Impoundment / Storage Station

New Installations in Water Year 2019

There were 2 new streamgage stations established during Water Year 2019.

Table 5: New Installations

Station	ID	Date Installed	Requesting Agency
Apache Trail	36507	06/27/2019	Apache Junction
Blue Tank Wash	52707	05/29/2019	FCDMC for Wickenburg

Station Changes in Water Year 2019

- None.

Gage Stations included in this report (click on page number to go to that page)

NAME	ID	Page
Arizona Canal Diversion Channel (ACDC) at 36h Street	4808	1
ACDC at 14th Street	4813	5
ACDC at 43rd Avenue	4823	9
ACDC at 67th Avenue	5523	13
Adobe Dam Pool	5538	18
Adobe Dam Outlet	5539	23
Agua Fria River at Grand Avenue	5503	27
Agua Fria River at Buckeye Road (MC-85)	5403	31
Amigos Wash	6648	35
Antelope Creek	7168	39
Apache Junction FRS	6673	43
Apache Trail	36507	49
Aspen Dam	5988	53
Baseline Road at 43rd Avenue Basin	66407	59
Bender Wash	6963	65
Berneil Wash	4688	69
Blue Tank Wash	52707	73
Box Wash	5273	77
Buckeye FRS #1	5203	79
Buckeye FRS #2	5208	85
Buckeye FRS #3	6813	93
Bullard Wash at Indian School Road	6868	99
Bullard Wash at Van Buren Street	89207	103
Camelback Road at 24th Avenue Basin	6807	107
CAP Reach #11 Dike #1	8407	113
CAP Reach #11 Dike #2	58607	119
CAP Reach #11 Dike #3	60107	125
CAP Reach #11 Dike #4	59807	131
Casandro Wash	7093	137
Casandro Dam	7133	141
Cave Buttes Dam Pool	4904	147
Cave Buttes Dam Outlet	4903	152
Cave Creek at Ashdale Ranger Station	4947	156
Cave Creek at Spur Cross	4923	160
Cave Creek (in town of Cave Creek)	4893	164
Cave Creek near Cave Creek	4918	168
Cave Creek at CAP	4907	172
Cave Creek at Cactus Road	4833	176
Centennial Wash near Aguila	5178	180
Centennial Wash at Wenden	5093	184
Centennial Levee	5123	188
Centennial Wash at UPRR	5103	192
Centennial Tributary at Dobbins Road	5049	196

NAME	ID	Page
Cline Creek	5583	200
Colter Channel at El Mirage Road	5408	204
Columbus Wash	5013	208
Copper Wash	5033	212
Crossroads Park	6623	216
Cruff Wash	5078	221
Daggs Wash	5498	225
Delaney Wash	5108	229
Desert Hills Wash	4898	233
Dreamy Draw Dam	4803	237
Dysart Drain at LAFB	5413	243
Dysart Drain at El Mirage Road	5423	247
East Fork Cave Creek Basin #1	4648	253
East Fork Cave Creek Basin #3A	8807	259
East Fork Cave Creek Basin #3B	4683	263
East Fork Cave Creek Basin #4	4658	269
East Fork Cave Creek near 7th Avenue	4668	275
El Mirage Road Drain	5483	279
East Maricopa Floodway (EMF) at Broadway Road	6573	283
EMF below Powerline Floodway	6758	287
EMF at Queen Creek Road	6583	291
EMF at Arizona Avenue	6598	295
Estrella Fan	6893	299
Flying E Wash	7083	303
Ford Canyon Wash	5428	307
Fourth of July Wash	5043	311
Freestone Basin	6608	315
Galloway Wash at Galloway Road	20607	320
Gila River at Olberg Road	0783	324
Gila River at Maricopa Road	0778	328
Gila River at 116th Avenue Bridge (Avondale Blvd.)	6848	332
Gila River at Estrella Parkway	6853	336
Golden Eagle Park Dam	5978	340
Grand Avenue at 27th Avenue Basin	3807	346
Granite Reef Diversion	4568	352
Granite Reef Wash	4728	356
Greene Wash at SR84	0793	360
Guadalupe Channel	6603	364
Guadalupe FRS	6503	368
Harquahala FRS	5128	374
Hartman Wash	7063	380
Hassayampa River at Wagoner Bridge	5352	384
Hassayampa River at Box Canyon	5308	388
Hassayampa River at US60	5228	392

NAME	ID	Page
Hassayampa River near Morristown	5223	396
Hassayamap River at I-10	5283	400
Hesperus Dam	5993	404
Indian Bend Wash (IBW) at Sweetwater Avenue	4643	410
IBW at Shea Boulevard	4693	414
IBW near Indian Bend Road	4613	418
IBW at McDonald Drive	4628	422
IBW at Indian School Road	4618	426
IBW near McKellips Road	4603	430
IBW Interceptor Channel	4623	434
Jackrabbit Wash	5218	438
Lake Margherite	4678	442
Laveen Basin	4578	446
Magma FRS	6718	452
Martinez Creek	7013	458
McDowell Mountain Road	5923	462
McMicken Dam at Bell Road	5443	466
McMicken Dam	5448	470
McMicken Floodway	5438	476
Mineral Canyon Basin	68807	480
New River Fire	5638	486
New River Dam Pool	5614	490
New River Dam Outlet	5613	495
New River at Bell Road	5598	499
New River at Glendale Avenue	5508	503
North Heights Dam	5983	508
Old Crosscut Canal	4748	514
Paradise Lane at 33rd Drive Basin	12407	518
Paradise Lane at 47th Avenue Basin	13707	524
Pecos Sediment Basin	6537	530
Pecol Basin Pool	6538	536
Pecos North Inlet	6532	542
Pecos East Inlet	6533	546
Pecos West Inlet	6534	550
Phoenix Dam #2A	4789	554
Phoenix Dam #2B	4778	560
Phoenix Dam #3	4828	566
Phoenix Dam #4	4838	572
Phoenix Dam #7	4853	580
Phoenix Dam #99	4843	586
Phoenix East Park Dam	4848	592
Phoenix West Park Dam	4858	596
Phoenix Zoo Dam #3	4307	602
Phoenix Zoo Dam #5	4407	608

NAME	ID	Page
Picacho Wash	5678	614
Pima Canyon Wash	6523	618
Powder House Wash	7113	622
Powerline Floodway	6708	626
Powerline FRS	6683	630
Price Drain at Loop 202	4573	636
Prickly Pear Wash	8107	640
Queen Creek at CAP	6723	644
Queen Creek at Rittenhouse Road	6707	648
Rainbow Wash	6953	652
Rawhide Wash	4863	656
Reata Pass Dam	4938	660
Reata Pass Wash	4588	666
Rittenhouse FRS	6703	670
Roeser Road at 23rd Avenue Basin	66807	676
Saddleback FRS	5113	682
Salt River below Granite Reef Diversion	4583	688
Salt River at Val Vista Drive	4548	692
Salt River at Priest Drive	4523	696
Salt River at 7th Avenue	4763	700
Salt River at 51st Avenue	4753	704
Salt River at 67th Avenue	4758	708
Sand Tank Wash at I-8	6933	712
Santa Cruz River at SR84	0788	716
Sauceda Wash	6923	720
Scatter Wash	5543	724
Seven Springs Wash	4963	728
Signal Butte FRS	6628	732
Siphon Draw Wash at Signal Butte Road	37607	738
Skunk Creek near New River	5588	742
Skunk Creek at Desert Hills Drive	64807	746
Skunk Creek at Carefree Highway	65707	750
Skunk Creek at Dixileta Drive	64907	754
Skunk Creek at I-17	5568	758
Skunk Tank Wash	4888	762
Sols Wash at SR71	5276	766
Sols Wash Tributary at US93	7028	770
Sols Wash near Matthie	7043	774
Sonoqui Wash near Hawes Road	36307	778
Sonoran Wash	65907	782
South Mountain Fan	6563	786
Spookhill FRS	4563	790
Spookhill FRS at McDowell Road	6637	796
Spookhill FRS at McKellips Road	6638	802

NAME	ID	Page
Spookhill FRS at Brown Road	6693	808
Stagecoach Wash	4913	814
Stoneridge Dam	5968	818
Sun Valley Parkway at Northern Avenue Wash	5303	824
Sunnycove FRS	5248	828
Sunridge Canyon Dam	5973	834
Sunset FRS	5233	840
Sycamore Creek Fire PT	5873	846
Tat Momolikot Dam	0773	850
Tatum Wash Basin Inlet	4638	856
Tatum Wash Basin	4653	860
Tenth Street Wash Basin #1	4818	866
Tiger Wash	5163	870
Twin Buttes Wash	73207	876
University Drive at 62nd Street (Mesa) Basin	34607	880
Upper Trilby Wash	5488	886
UPRR Underpass at First Avenue	3107	890
UPRR Underpass at Central Avenue	3207	894
US60 at Gold Canyon Wash	36907	898
Vekol Wash	6983	902
Vineyard FRS	6688	906
Vulture Mine Road	5263	912
Wagner Wash at Sun Valley Parkway	44707	916
Waterman Wash at Rainbow Valley Road	6833	920
Weekes Wash at Baseline Road	6753	924
White Tanks FRS #3	5418	928
White Tanks FRS #4	6823	934
White Tank Outflow Channel	87407	940
Whitlow Ranch Dam	6739	944
Winters Wash	5118	950

SUMMARY OF SIGNIFICANT STREAMFLOW EVENTS

Rainfall and runoff in Maricopa County occurs primarily in the winter and summer. However, significant rainfall has occured during the transitional season following the summer monsoon.

In summary, Water Year 2019 was a year of great contrast. Initally, the water year began in October with significant rainfall and runoff county-wide. Tropical storm Rosa combined with a cold front from the north to cause the early October event. The wet trend continued throughout October, with a small break in November through January. February rainfall and runoff produced some significant and notable events. Following this wet period, the spring and summer were significantly devoid of rainfall and runoff. A handful of stream stations received runoff in late July, late August, and early September. Only near the end of the monsoon season and water year did any significant regional rainfall and runoff occur. A period of significant weather occurred during the period of September 23 – 27 due to tropical storm Lorena. Several stream and impoundment stations had record events as a result of the late season storm.

Highlights of the runoff and impoundment events are summarized on the following three pages.

Maximum Flows for Water Year 2019 at Selected FCDMC Water Level Sensor Locations

Red values are peaks of record

Location	Discharge (cfs)	Stage (feet)	Date
ACDC at 36th Street (4808)	479	7.89	10/02/2018
ACDC at 43rd Avenue (4823)	1,591	3.09	10/07/2018
ACDC at 67th Avenue (5523)	1,715	5.60	10/02/2018
Agua Fria River at Grand Avenue (5503)	995	4.17	10/23/2018
Agua Fria River at Buckeye Road (5403)	6,088	1.31	10/13/2018
Antelope Creek (7168)	5,662	5.12	10/14/2018
Apache Trail Wash (36507)	480	2.87	09/23/2019
Bender Wash (6963)	841	3.39	10/02/2019
Berneil Wash (4688)	1,006	2.61	10/02/2018
Centennial Wash at Wenden (5093)	2,489	3.58	09/02/2019
Centennial Wash at UPRR (5103)	4,690	12.31	10/07/2018
Daggs Wash (5498)	852	2.74	09/23/2019
Delaney Wash (5108)	1,190	5.57	09/23/2019
East Fork Cave Creek near 7th Avenue (4668)	2,033	4.64	10/07/2018
EMF at Broadway Road (6573)	1,471	2.89	02/22/2019
EMF at Queen Creek Road (6583)	2,924	4.74	09/23/2019
EMF at Arizona Avenue (6598)	1,133	2.67	02/22/2019
Fouth of July Wash (5043)	1,568	3.56	10/07/2018
Guadalupe Channel (6603)	772	2.49	09/23/2019
Hassayampa River at Wagoner Road Bridge (5352)	1,335	4.53	02/19/2019
Hassayampa River at Box Canyon Damsite (5308)	1,796	6.35	02/15/2019
Hassayampa River at US60 (5228)	3,683	2.47	10/14/2018
Hassayampa River near Morristown (5223)	1,037	8.98	10/14/2018
IBW at Sweetwater Avenue (4643)	700	3.46	08/28/2019
IBW at Shea Boulevard (4693)	3,458	3.81	10/02/2018
IBW near Indian Bend Road (4613)	2,261	5.03	10/02/2018
IBW Interceptor Channel (4623)	221	2.24	10/02/2018
IBW at McDonald Drive (4628)	3,222	3.80	10/03/2018
IBW at Indian School Road (4618)	3,548	5.23	10/02/2018
IBW near McKellips Road (4603)	4,899	6.28	10/03/2018

Continued Next Page

Note: Many stations recorded multiple events. These are the maximum peaks for the year.

Maximum Flows for Water Year 2019 at Selected FCDMC Water Level Sensor Locations, continuted

Red values are peaks of record

Location	Discharge (cfs)	Stage (feet)	Date
Jackrabbit Wash (5218)	1,345	3.61	09/23/2019
New River Fire (5638)	2,826	3.47	03/13/2019
New River at Glendale Avenue (5508, 61517)	1,452	3.47	10/02/2018
Picacho Wash (5678)	2,437	4.41	09/23/2019
Rainbow Wash (6953)	913	2.97	10/13/2018
Reata Pass Wash (4588)	1,133	2.06	10/23/2018
Salt River below Granite Reef (4583)	21,696	16.13	09/23/2019
Salt River below Granite Reef (4583)	8,719	11.72	03/03/2019
Salt River at Val Vista Drive (4548)	6,079	6.23	03/03/2019
Salt River at Priest Drive (4523)	8,429	6.94	03/04/2019
Salt River at 7th Avenue (4763)	6,760	8.07	03/04/2019
Salt River at 7th Avenue (4763)	7,295	8.21	09/24/2019
Sand Tank Wash at I-8 (6933)	1,291	3.95	09/01/2019
Sauceda Wash at SR85 (6923)	837	3.27	10/02/2019
Skunk Creek near New River (5588)	3,021	5.01	09/23/2019
Skunk Creek at Desert Hills Drive (64807)	2,476	4.11	09/23/2019
Skunk Creek at Carefree Highway (65707)	2,455	4.55	09/23/2019
Skunk Creek at Dixileta Drive (64907)	1,947	4.84	09/23/2019
Skunk Creek at I-17 (5568)	1,104	2.67	09/23/2019
Tatum Basin Inflow (4638)	691	2.06	10/02/2018
Twin Buttes Wash (73207)	448	3.17	09/23/2019
Vekol Wash (6983)	4,656	8.62	10/02/2018
Waterman Wash at Rainbow Valley Road (6833)	915	5.54	10/02/2018
Weekes Wash at Baseline Road (6753)	1,493	7.07	09/23/2019

Note: Many stations recorded multiple events. These are the maximum peaks for the year.

Maximum Impoundments for Water Year 2019 at Selected FCDMC Water Level Sensor Locations

Red values are peaks of record

Location	Discharge (cfs)	Stage (feet)	Contents (ac-ft)	Contents (%full)	Date
Apache Junction FRS (6673)	42	9.12	140.2	20.8	09/23/2019
Dreamy Draw Dam (4803)	137	12.38	10.1	3.0	10/02/2018
Golden Eagle Park Dam (5978)	1,096	15.74	39.5	39.5	10/02/2018
Guadalupe FRS (6503)	6	10.37	51.5	18.3	10/13/2018
Laveen Basin (4578)	12	12.78	56.8	44.7	10/13/2018
Mineral Canyon Basin (68807)	0	4.25	30.1	6.1	10/13/2018
North Heights Dam (5983)	225	15.45	18.2	13.2	10/02/2018
Pecos Sediment Basin (6537)	642	18.68	>46	>100.0	10/14/2018
Pecos Basin (6538)	65	9.86	17.3	4.9	10/13/2018
Phoenix Dam #2A (4789)	28	10.34	17.6	29.3	10/07/2018
Phoenix Dam #2B (4778)	21	5.47	5.7	11.9	09/23/2019
Phoenix Dam #3 (4828)	51	10.19	6.7	10.3	10/02/2018
Phoenix Dam #4 (4838)	29	10.49	14.1	32.8	10/02/2018
Phoenix Dam #7 (4853)	48	11.78	13.4	10.6	10/07/2018
Phoenix East Park Dam (4848)	37	4.83	1.7	7.7	10/07/2018
Phoenix West Park Dam (4858)	51	10.44	17.1	15.1	10/07/2018
Powerline FRS (6683)	87	6.84	714.4	14.6	09/23/2019
Signal Butte FRS (6628)	0	12.95	307.0	18.6	09/25/2019
Spookhill FRS (4563)	51	7.13	206.0	7.5	09/23/2019
Tat Momolikot Dam (773)	0	21.05	13,964.	7.0	10/04/2019
Tatum Wash Basin (4653)	330	13.41	35.4	108.3	10/02/2018
University Drive at 62nd Street Basin (34607)	7	5.99	6.1	24.6	09/23/2019
White Tank FRS #3 (5418)	0	2.33	130.	3.7	09/24/2019
White Tank FRS #4 (6823)	0	3.90	25.1	1.7	10/13/2018

*Vineyard FRS under construction, and therefore the Volume and percent full data are not correct.

Note: Many stations recorded multiple events. These are the maximum peaks for the year.

DATA PRESENTATION

The following pages present the data collected by the Flood Control District ALERT system. Data have been retrieved from a TriLynx Systems, LLC® NovaStar5 database, maintained at the Flood Control District of Maricopa County.

The data pages are in alphabetical order by name. If there is more than one station on a stream such as Cave Creek, the stations are placed in stream order, upstream to downstream.

All stations set up from mid-2015 and forward have been assigned ALERT2 gage IDs. Stations set up before then have the ALERT1 station ID format (xxxx). ALERT2 stations have a 5-digit ID number assigned (xxxx7).

The data tables included with each gage are reports directly produced by a database function. In the tables where there are dashes "- - -" on a particular date or dates, the gage was down. Typically a gage is down when the gage itself fails, or a transmitter or repeater fails. In the case of transmitter failure or repeater failure, data for that date is available by manual download. However, when no event has occurred, the data will typically not be retrieved from the device.

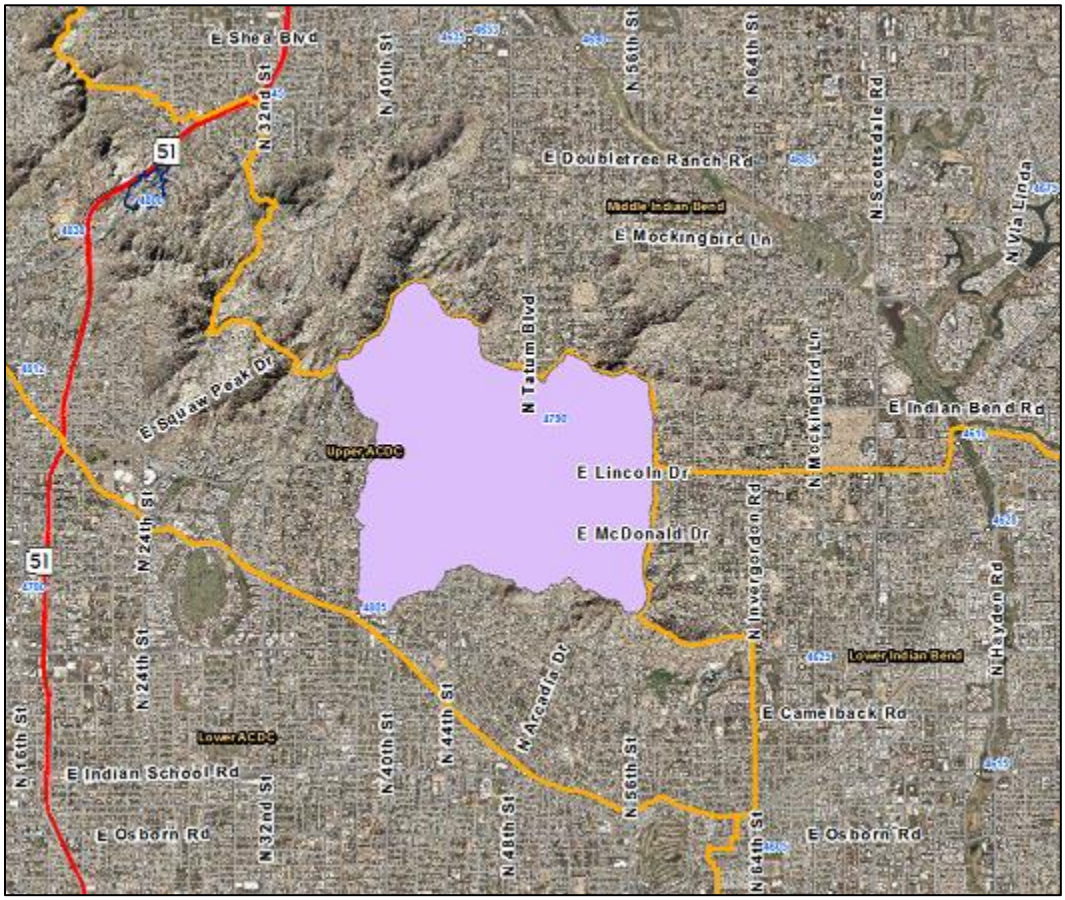
Arizona Canal Diversion Channel at 36th Street, ID #4808

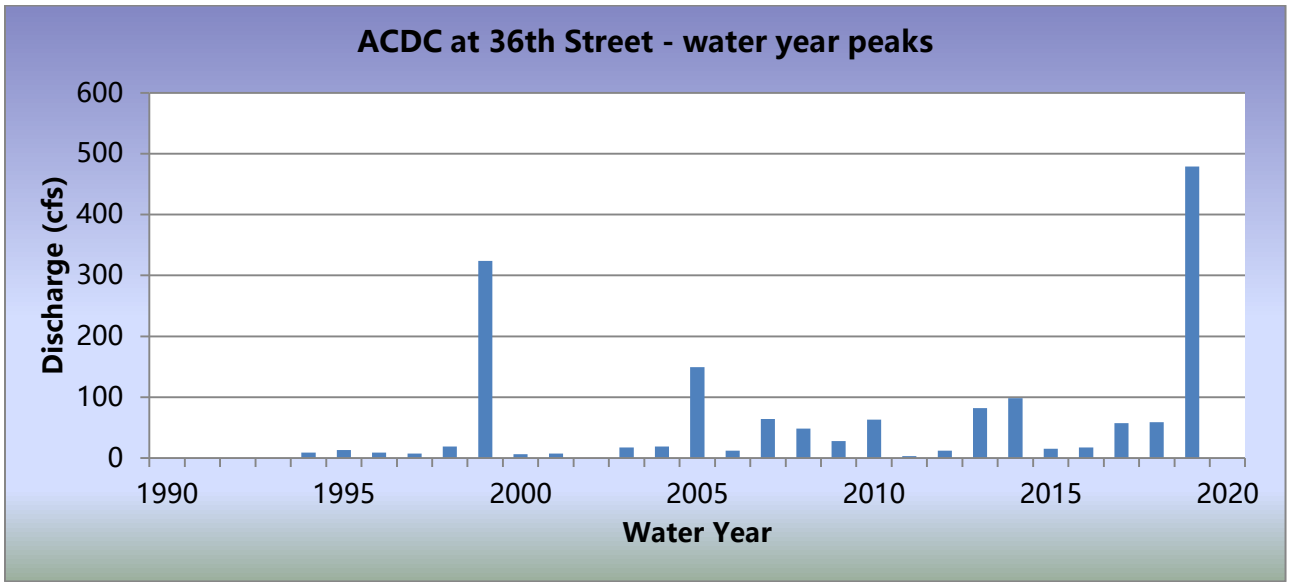


Site Data

LOCATION	At the inlet to the ACDC near 36th Street and Stanford Drive
DRAINAGE AREA	4.8 mi^2
STREAM TYPE	Engineered Basin / Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S13 T2N R3E
LATITUDE	N 33° 30' 49.3" | +33.51368
LONGITUDE	W 111° 59' 58.7" | -111.99963
STREAMGAGE INSTALLATION DATE	02/24/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	02/24/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.60 Years | 9,350 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.12 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,237.92 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	479 cfs | 7.89 feet | 10/02/2018

Watershed Map

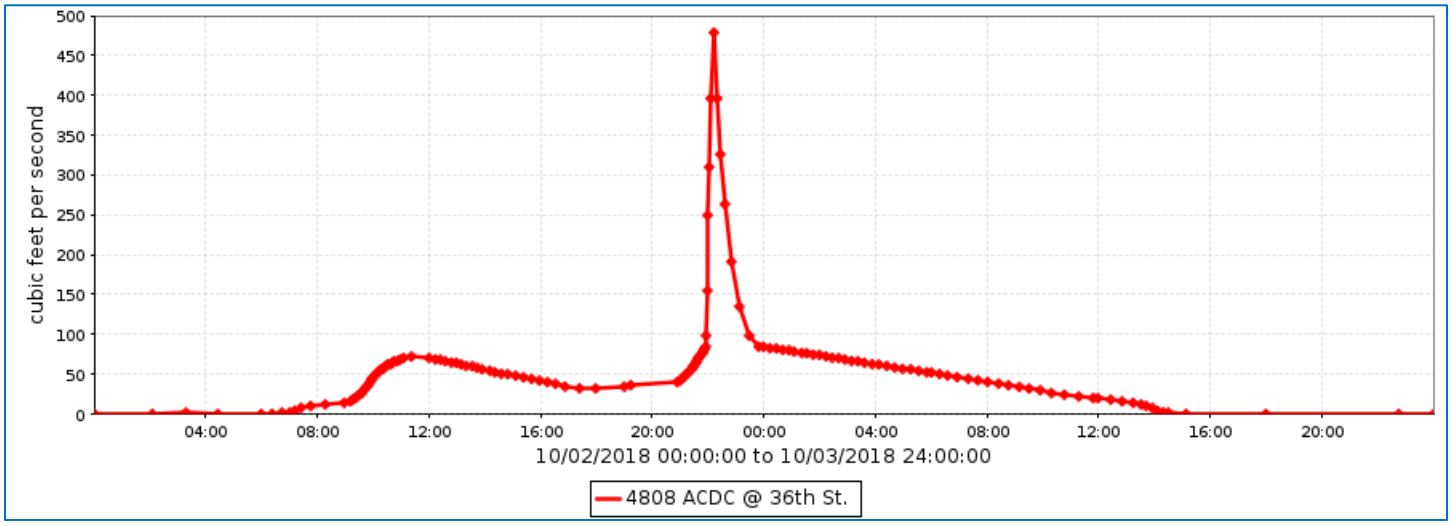




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	5.63	71
10/02/2018	7.89	479
10/07/2018	1.16	5
10/13/2018	1.96	19
08/28/2019	0.84	5
09/23/2019	6.92	84

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
24	**75**	**138**	**235**	**433**	**657**

ACDC at 36th Street, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	45											
3	28											
4												
5												
6												
7	1											
8												
9												
10												
11												
12												
13	4											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												14
24												16
25												
26												
27												
28												
29					---						1	
30					---							---
31		---			---		---		---			---
TOTAL	78	0	0	0	0	0	0	0	0	0	1	---
MEAN	3	0	0	0	0	0	0	0	0	0	0	---
MAX	479	0	0	0	0	0	0	0	0	0	5	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	154	0	0	0	1	0	0	0	0	0	2	---

WTR YR 2019 TOTAL 79 MEAN --- MAX --- MIN --- AC_FT 157

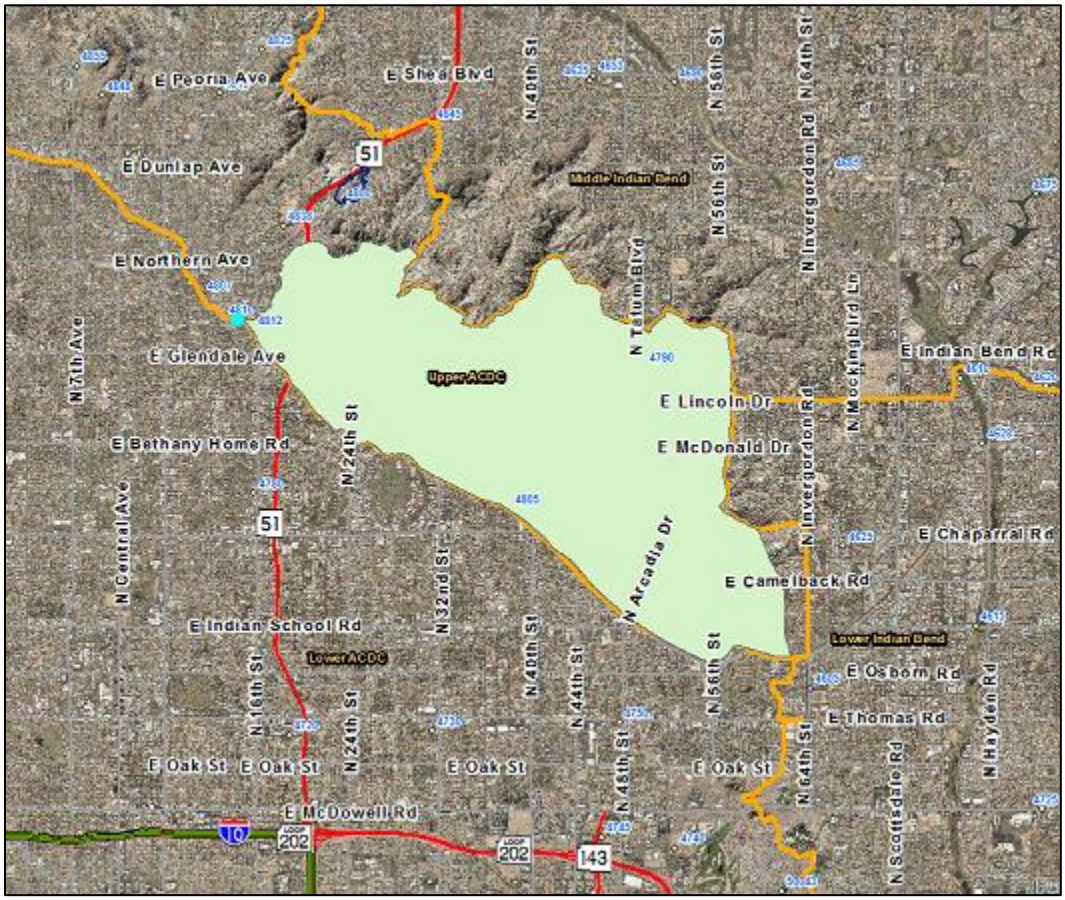
Arizona Canal Diversion Channel at 14th Street – ID #4813

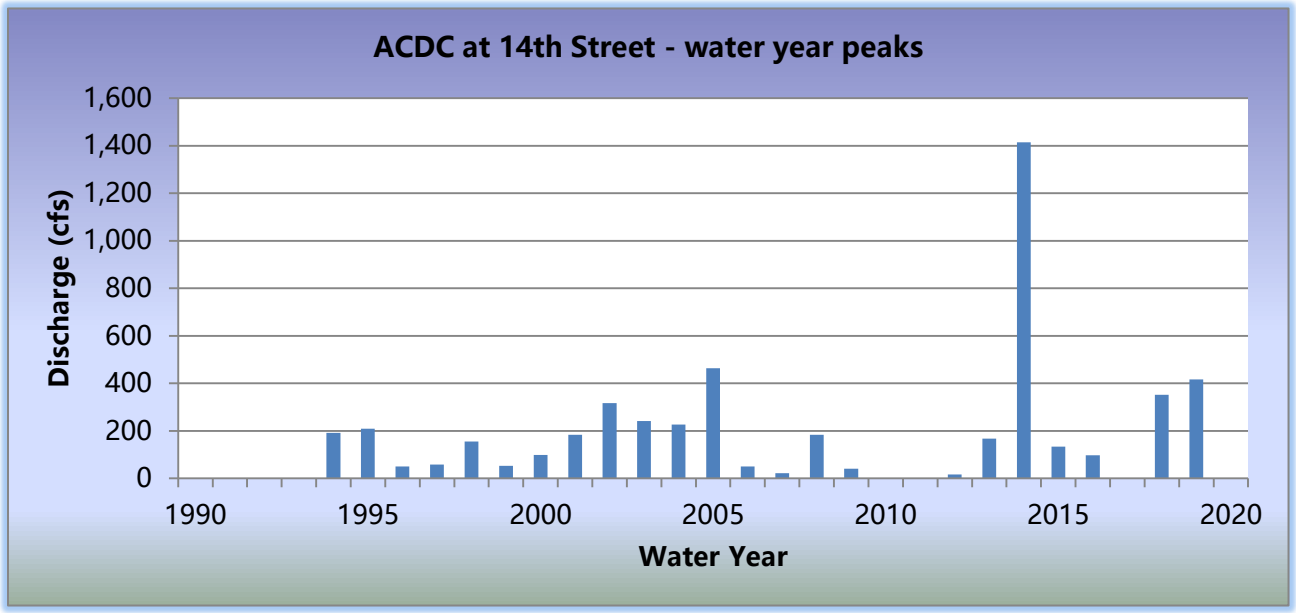


Site Data

LOCATION	Near 14th Street and Orangewood Avenue
DRAINAGE AREA	13.6 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S04 T2N R3E
LATITUDE	N 33° 32' 37.3" | +33.54369
LONGITUDE	W 112° 03' 05.1" | -112.05141
STREAMGAGE INSTALLATION DATE	02/09/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	02/09/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.64 Years | 9,365 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.35 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,216.04 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,414 cfs | 6.75 feet | 09/08/2014

Watershed Map

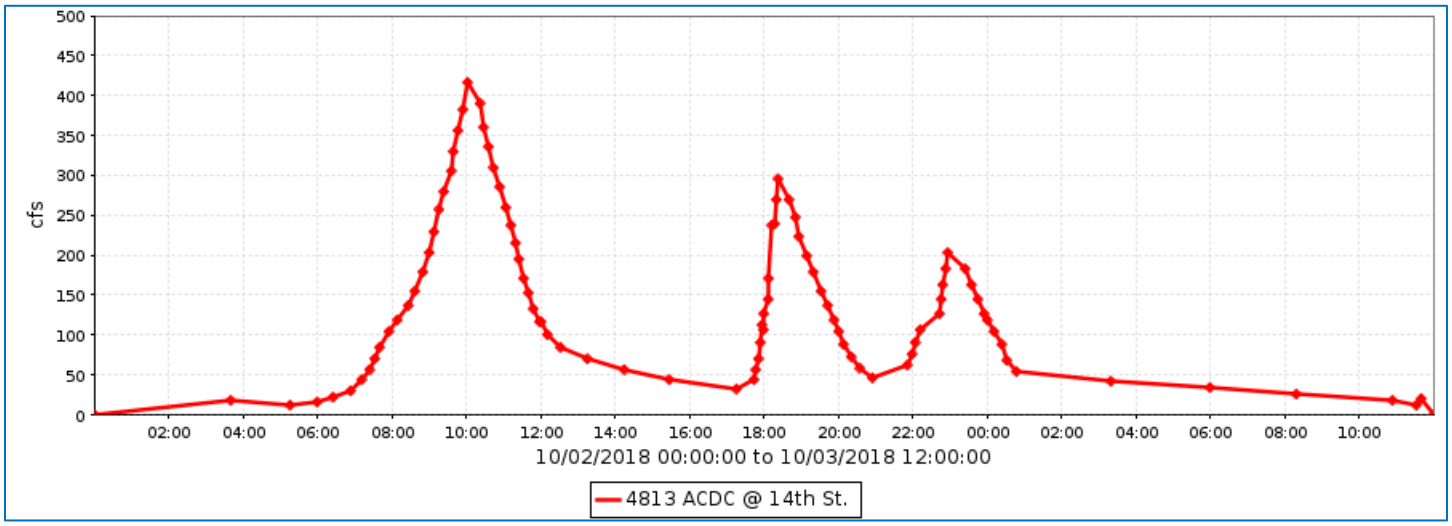




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.16	417
10/02/2018	2.59	395
10/02/2018	2.09	206
10/07/2018	0.74	30
10/13/2018	2.07	200
09/23/2019	2.63	303

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
102	**340**	**589**	**895**	**1,380**	**1,790**

ACDC at 14th Street, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	96											
3	20											
4												
5												
6												
7	7											
8												
9												
10												
11												
12												
13	30											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												29
24												9
25												
26												
27												
28												
29					---							
30					---							---
31		---			---		---		---			---
TOTAL	153	0	0	0	0	0	0	0	0	0	0	---
MEAN	5	0	0	0	0	0	0	0	0	0	0	---
MAX	417	0	0	0	0	0	0	0	0	0	0	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	303	0	0	0	0	0	0	0	0	0	0	---

WTR YR 2019 TOTAL 153 MEAN --- MAX --- MIN --- AC_FT 303

Arizona Canal Diversion Channel at 43rd Avenue, ID #4823

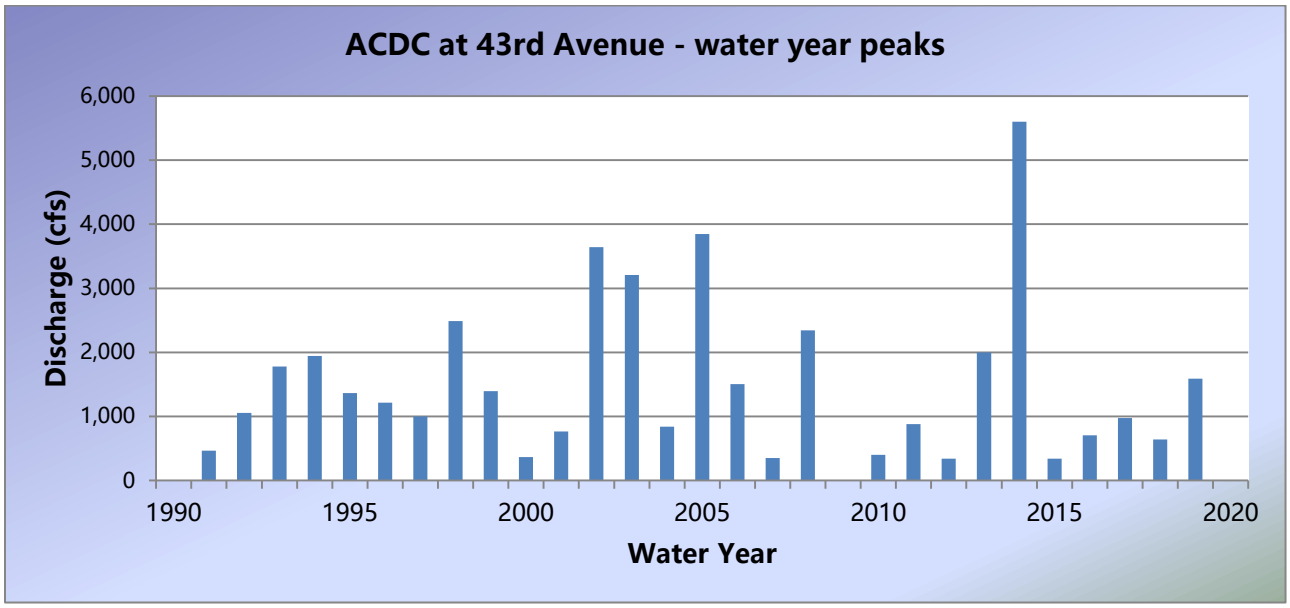


Site Data

LOCATION	Near Peoria and 43rd Avenues
DRAINAGE AREA	56 mi^2 below Cave Buttes Dam
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S22 T3N R2E
LATITUDE	N 33° 35' 02.4" | +33.58400
LONGITUDE	W 112° 09' 15.2" | -112.15422
STREAMGAGE INSTALLATION DATE	11/14/1990 - WY 1991
AVAILABLE PERIOD OF RECORD (POR)	11/14/1990 - Current
LENGTH OF AVAILABLE POR DATA	28.88 Years | 10,548 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.95 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,200.58 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,601 cfs | 6.58 feet | 09/08/2014

Watershed Map

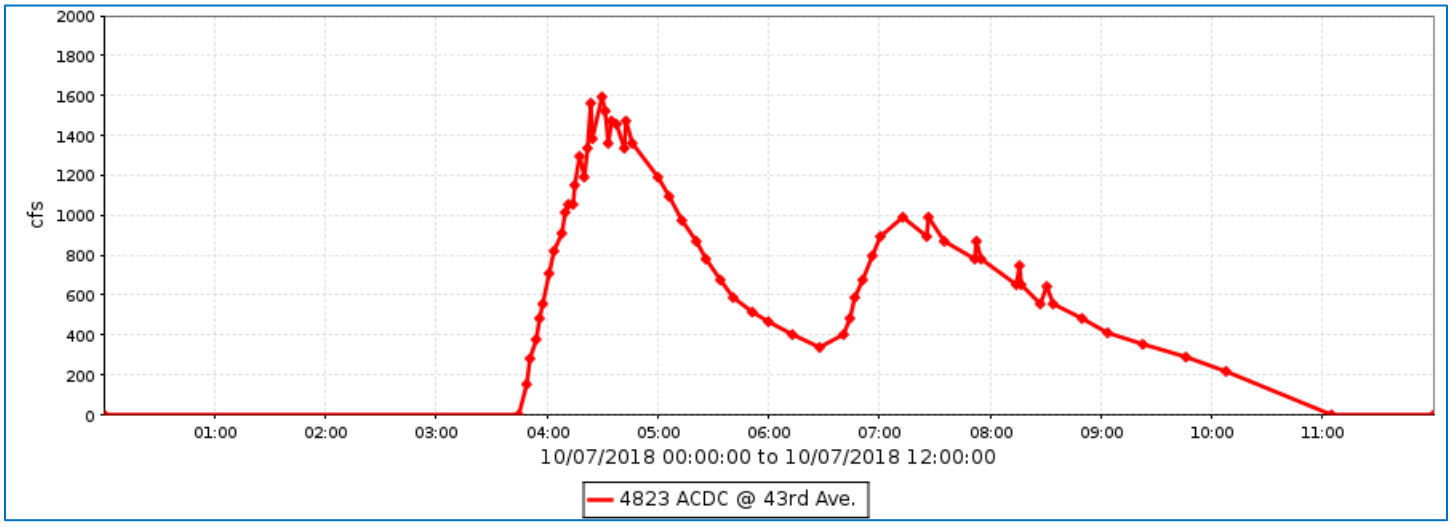




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	2.86	1,380
10/07/2018	3.09	1,591
10/13/2018	1.79	556
02/21/2019	1.46	370
02/22/2019	1.11	169
08/28/2019	2.96	1,470
09/23/2019	2.14	795

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

Flood Flow Frequency N=29, HEC-WRC computation (based on 29 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,100	**2,170**	**3,090**	**4,130**	**5,730**	**7,140**

ACDC at 43rd Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	510											
3	53											
4												
5												
6												
7	197											
8												
9												
10												
11												
12												
13	77											
14												
15												
16												
17												
18												
19												
20												
21					41							
22					21							
23												105
24												50
25												
26												
27												
28											68	
29					---						21	
30					---							---
31		---			---		---		---			---
TOTAL	841	4	4	4	65	4	4	4	4	4	92	---
MEAN	27	0	0	0	2	0	0	0	0	0	3	---
MAX	1591	0	0	0	370	0	0	0	0	0	1470	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	1668	7	7	7	129	7	7	7	7	7	183	---

WTR YR 2019 TOTAL 1028 MEAN --- MAX --- MIN --- AC_FT 2039

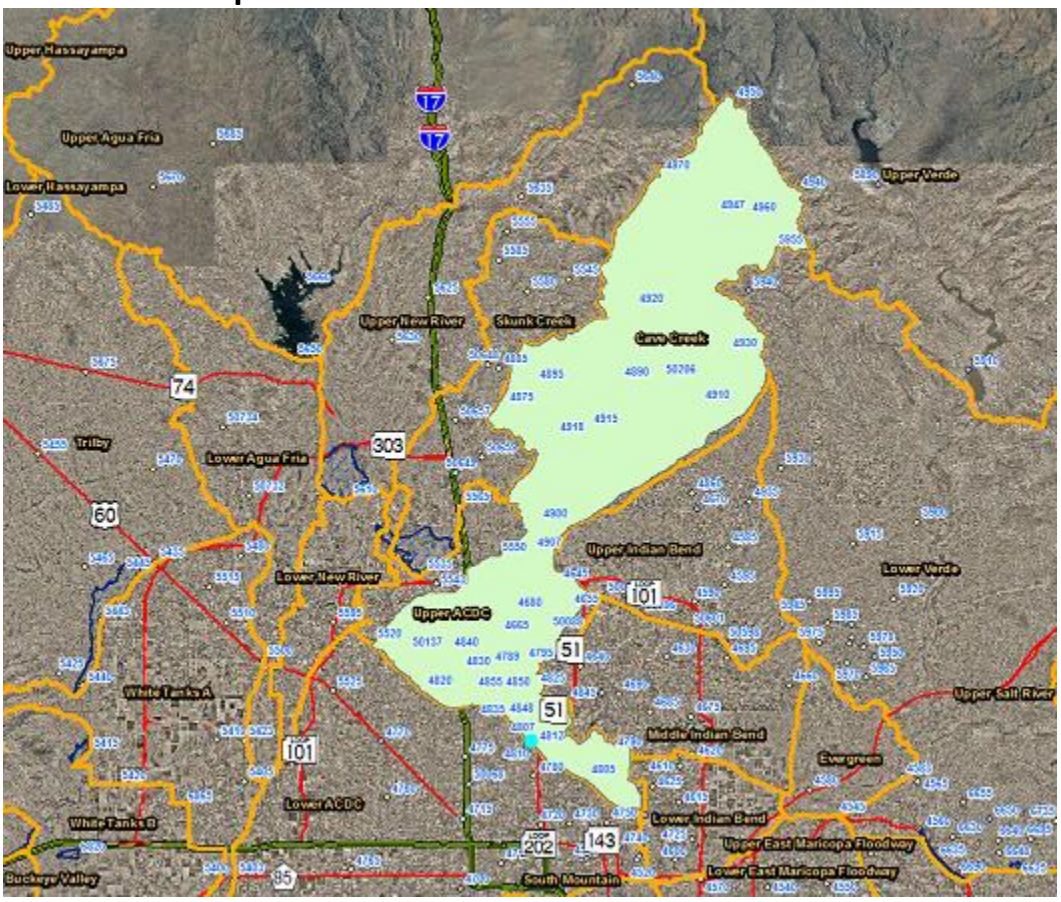
Arizona Canal Diversion Channel at 67th Avenue, ID #5523

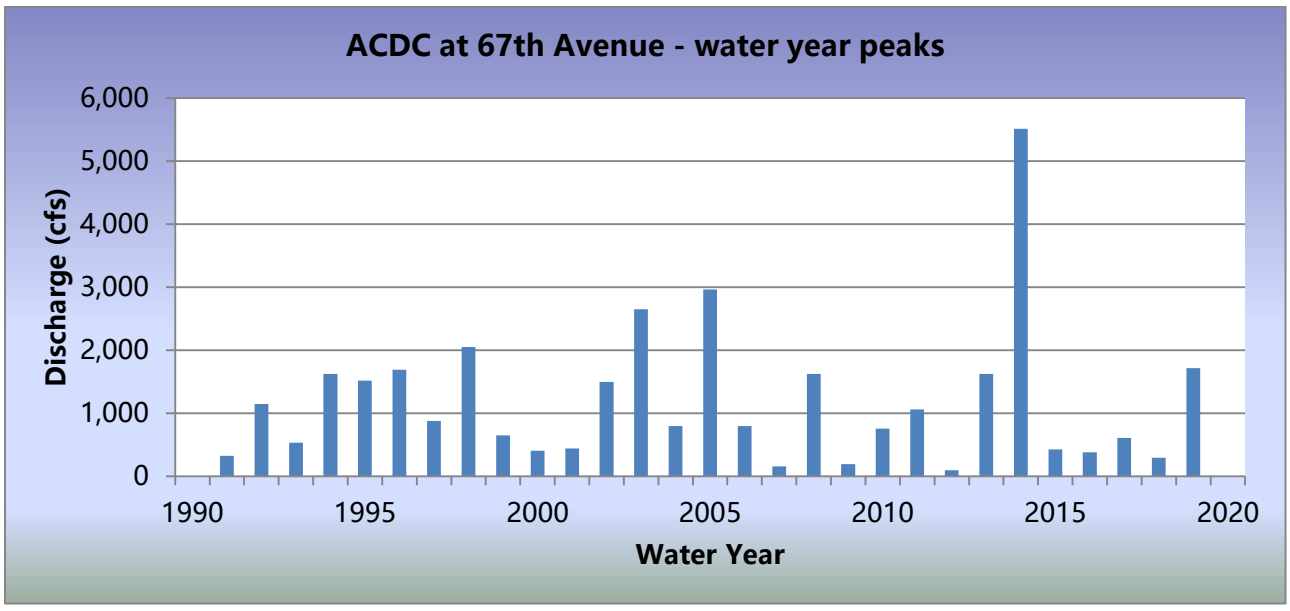


Site Data

LOCATION	On 67th Avenue south of Greenway Road
DRAINAGE AREA	283.7 mi^2 below Cave Buttes Dam
STREAM TYPE	Engineered Channel
JURISDICTION	Glendale, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S12 T3N R1E
LATITUDE	N 33° 37' 17.8" | +33.62161
LONGITUDE	W 112° 12' 09.7" | -112.20269
STREAMGAGE INSTALLATION DATE	06/07/1990 - WY 1990
AVAILABLE PERIOD OF RECORD (POR)	06/07/1990 - Current
LENGTH OF AVAILABLE POR DATA	29.32 Years | 10,708 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	4
ZERO GAGE HEIGHT ELEVATION	1,189.06 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,511 cfs | 8.40 feet | 09/08/2014

Watershed Map

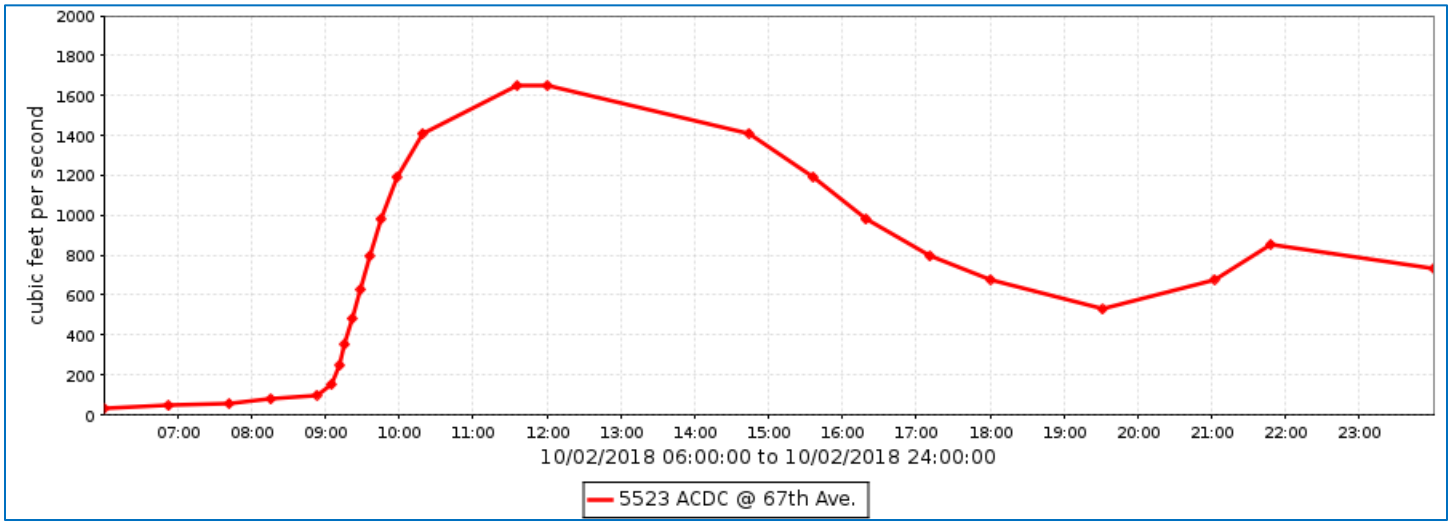




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	5.60	1,715
10/07/2018	4.77	1,075
10/13/2018	4.04	669
10/24/2018	1.69	64
11/30/2018	2.67	201
01/06/2019	2.62	190
02/03/2019	1.69	64
02/15/2019	1.64	60
02/22/2019	3.89	600
03/12/2019	1.89	80
04/30/2019	1.30	39
08/29/2019	4.63	919
09/17/2019	2.13	63
09/24/2019	4.58	887

Hydrograph of peak WY 2019 flow event. 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=29, HEC-WRC computation (based on 29 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
893	**1,790**	**2,620**	**3,540**	**4,920**	**6,100**

NOTE(1): These results are based on very limited data.
NOTE(2): Cave Buttes Dam upstream limits the peak discharge from the upper portion of the watershed.

Flood Flow Frequency U.S. Army Corps of Engineers Design					
2-year	**5-year**	**10-year**	**25-year**	**50-year**	**100-year**
1,900	**4,500**	**7,700**	**13,500**	**20,600**	**29,000**

ACDC at 67th Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			5								5	
2	665										4	
3	278				20						3	
4	68				9						8	
5	20										4	
6				49							5	
7	362			9							5	
8	55										4	
9	15									1	4	
10											6	
11									2		5	
12						33					7	
13	150					34					2	
14	84				4	6					5	
15	11				18						4	
16										1	5	2
17										4	4	23
18										4	5	
19										4	5	
20										5	5	
21					135					4	5	
22					309					4	5	
23	10				54					11	4	53
24	11				8					5	5	370
25					7					4	5	33
26					6					3	4	25
27										3	4	25
28										3	9	10
29					---					3	254	7
30		47			---		13			4	12	---
31		---			---		---		---	12		---
TOTAL	1729	47	5	58	571	72	13	0	2	76	403	---
MEAN	56	2	0	2	20	2	0	0	0	2	13	---
MAX	1650	107	10	99	505	49	30	0	10	27	919	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	3430	94	11	116	1132	144	25	0	5	151	799	---

WTR YR 2019 TOTAL 2977 MEAN --- MAX --- MIN --- AC_FT 5906

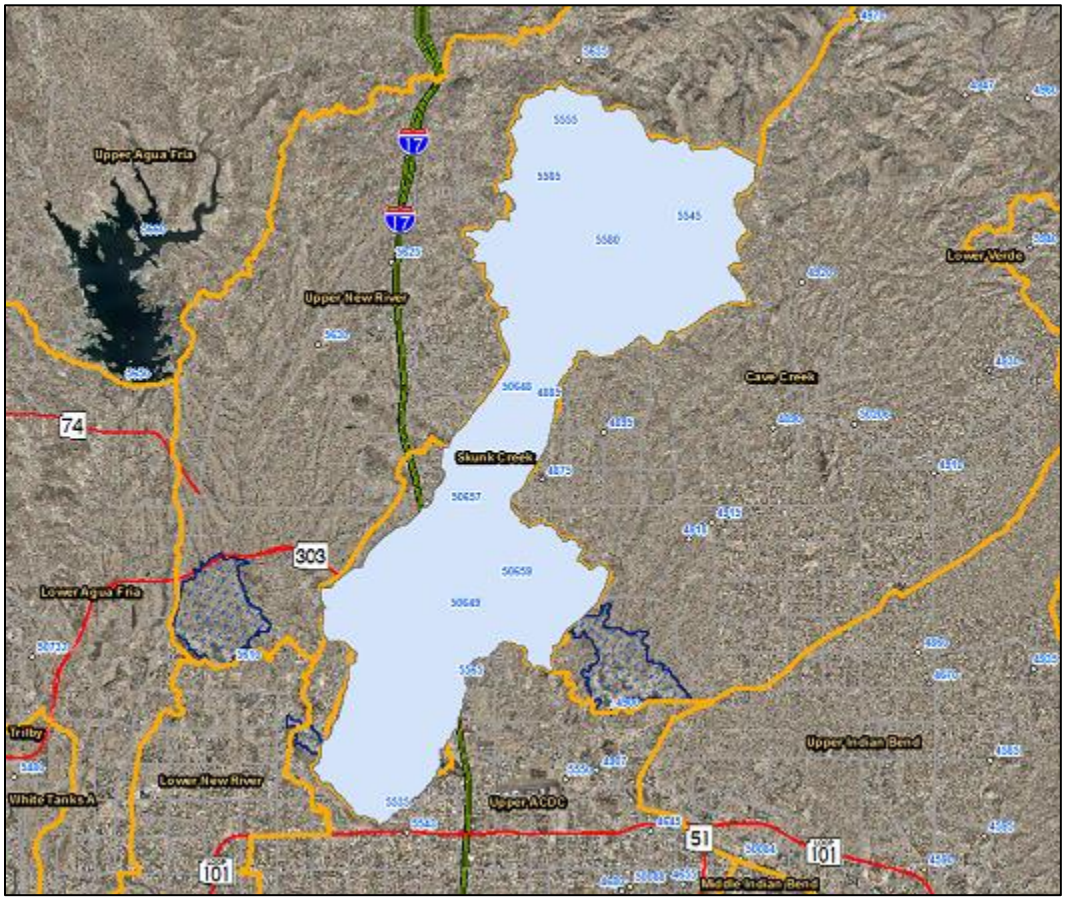
Adobe Dam Pool, ID #5539

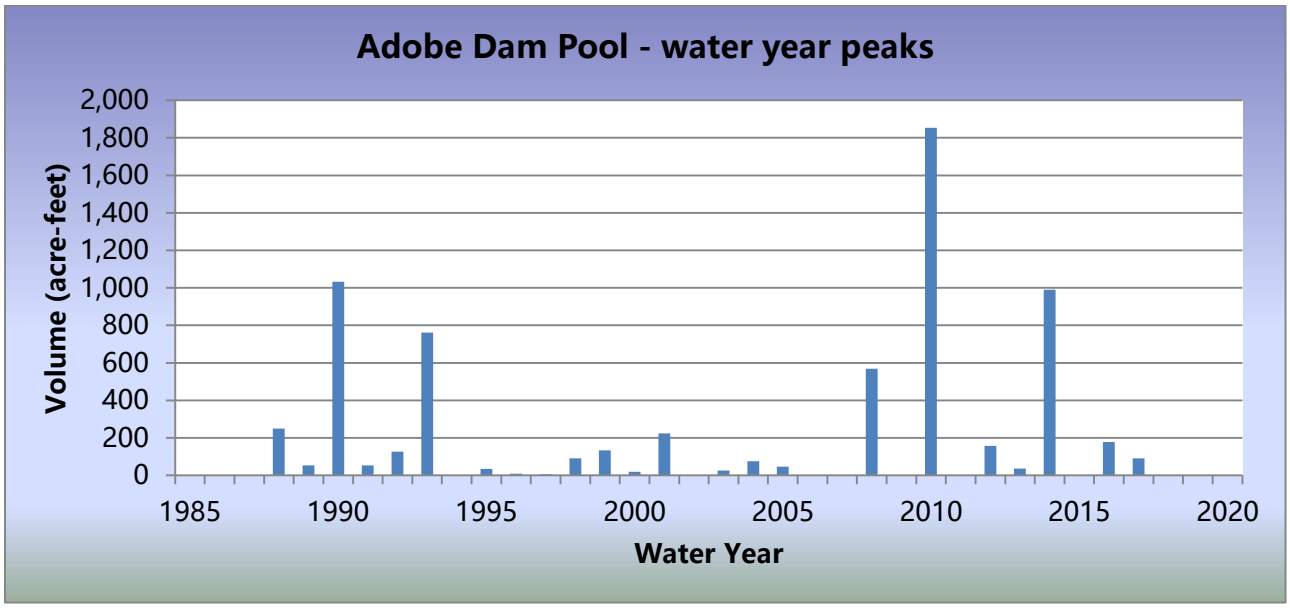


Site Data

LOCATION	Near 43rd Avenue and Deer Valley Drive
DRAINAGE AREA	89.6 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S21 T4N R2E
LATITUDE	N 33° 40' 38.0" | +33.67670
LONGITUDE	W 112° 09' 14.3" | -112.15397
STREAMGAGE INSTALLATION DATE	10/28/1982 - WY 1983
AVAILABLE PERIOD OF RECORD (POR)	08/30/1988 - Current
LENGTH OF AVAILABLE POR DATA	31.09 Years | 11,354 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.85 Feet Gage Height
STAFF GAGES	14
ZERO GAGE HEIGHT ELEVATION	1,339.81 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	39.77 feet Gage Height
TOP OF DAM ELEVATION	65.07 feet Gage Height

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
None			

Hydrograph of peak WY 2019 impoundment event,

No impoundments recorded during Water Year 2019.

Adobe Dam Pool, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---							
2					---							
3					---							
4					---							
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16				---								
17				---								
18				---								
19				---								
20				---								
21				---								
22				---								
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 0 MIN 0

Adobe Dam Pool, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
3	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
4	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
5	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
6	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
10	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
11	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
12	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
13	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
14	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
15	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
16	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
17	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
18	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
19	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
20	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
21	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
22	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
23	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
24	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
25	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
26	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
27	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
28	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
29	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
30	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
31	2.9	---	2.9	2.9	---	2.9	---	2.9	---	2.9	2.9	---
MEAN	2.9	2.9	2.9	2.9	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9
MAX	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
MIN	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9

WTR YR 2019 MEAN 2.85 MAX 2.85 MIN 2.85

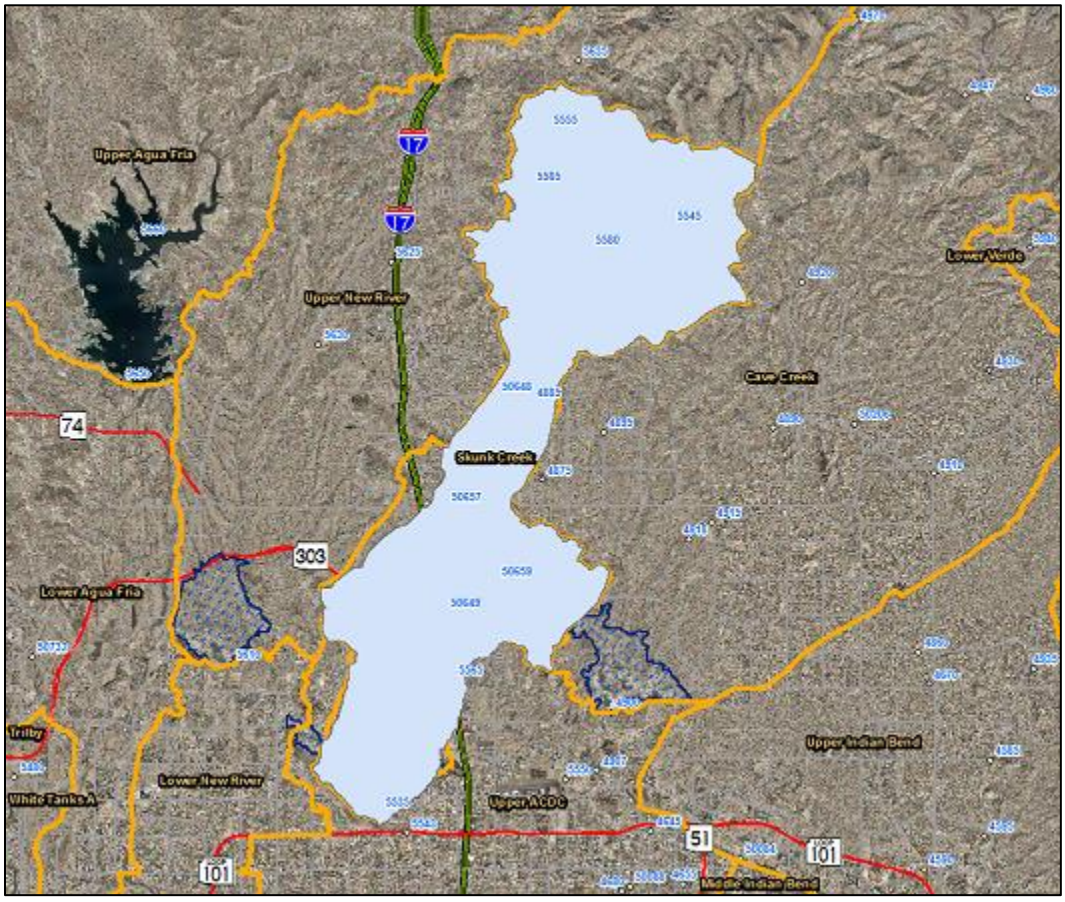
Adobe Dam Outlet, ID #5538

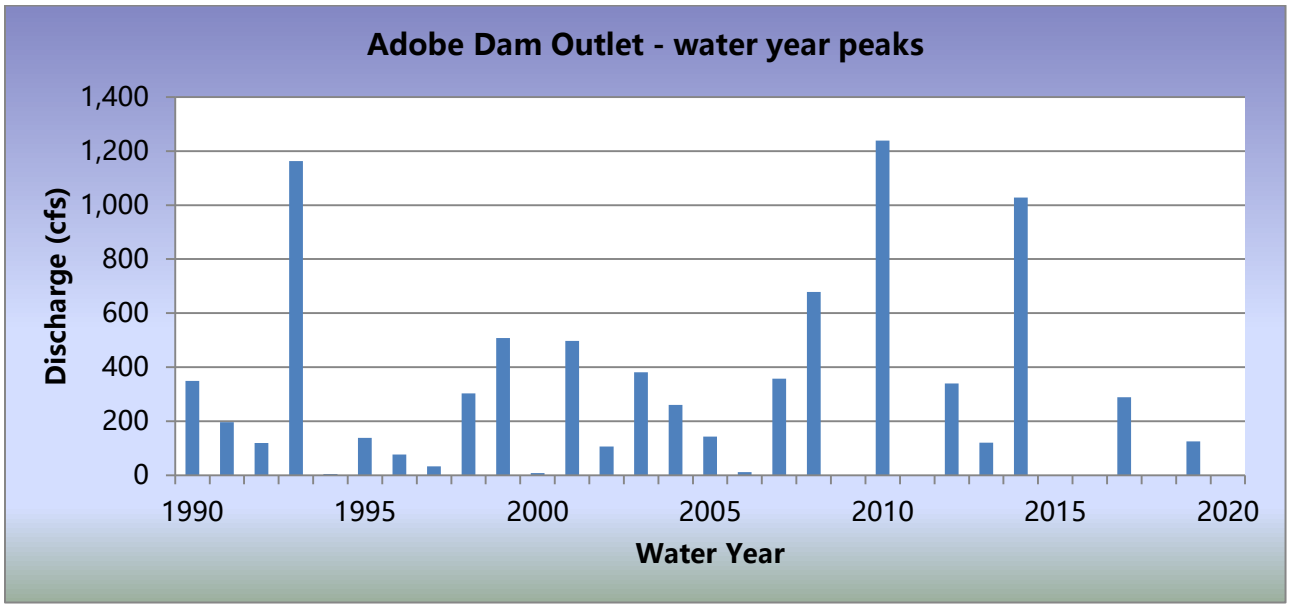


Site Data

LOCATION	Near 43rd Avenue and Deer Valley Drive
DRAINAGE AREA	89.6 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S21 T4N R2E
LATITUDE	N 33° 40' 38.0" | +33.67670
LONGITUDE	W 112° 09' 14.3" | -112.15397
STREAMGAGE INSTALLATION DATE	10/28/1982 - WY 1983
AVAILABLE PERIOD OF RECORD (POR)	08/03/1990 - Current
LENGTH OF AVAILABLE POR DATA	29.16 Years | 10,65 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,330.27 feet NAVD88
POINT OF ZERO FLOW	-0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,239 cfs | 7.01 feet GH | 01/22/2010

Watershed Map

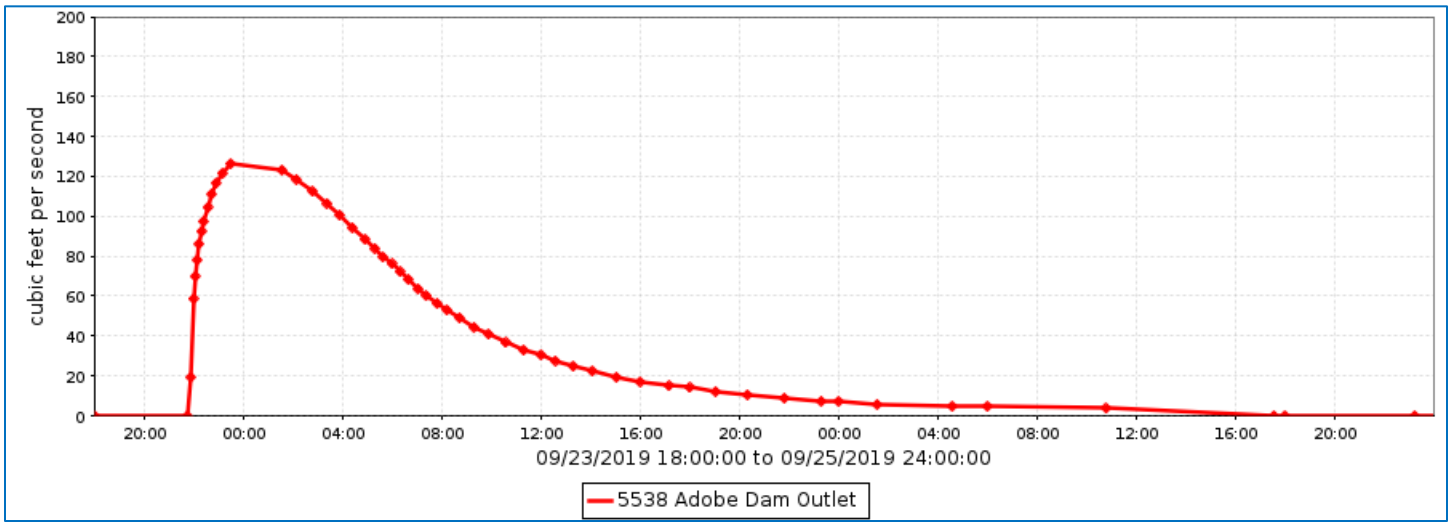




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	1.69	67
10/24/2018	0.54	7
09/23/2019	2.41	126
09/27/2019	1.17	33

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flows past this gage are regulated by Adobe Dam directly upstream. Flood Flow Frequency is therefore not valid.

Adobe Dam Outlet, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---							
2	9				---							
3	21				---							
4	2				---							
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16				---								
17				---								
18				---								
19				---								
20				---								
21				---								
22				---								
23												9
24	4											48
25	3											3
26	1											
27												14
28												4
29					---							
30					---							---
31		---			---		---		---			---
TOTAL	40	0	0	0	0	0	0	0	0	0	0	---
MEAN	1	0	0	0	0	0	0	0	0	0	0	---
MAX	67	0	0	0	0	0	0	0	0	0	0	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	78	0	0	0	0	0	0	0	0	0	0	---

WTR YR 2019 TOTAL 40 MEAN --- MAX --- MIN --- AC_FT 78

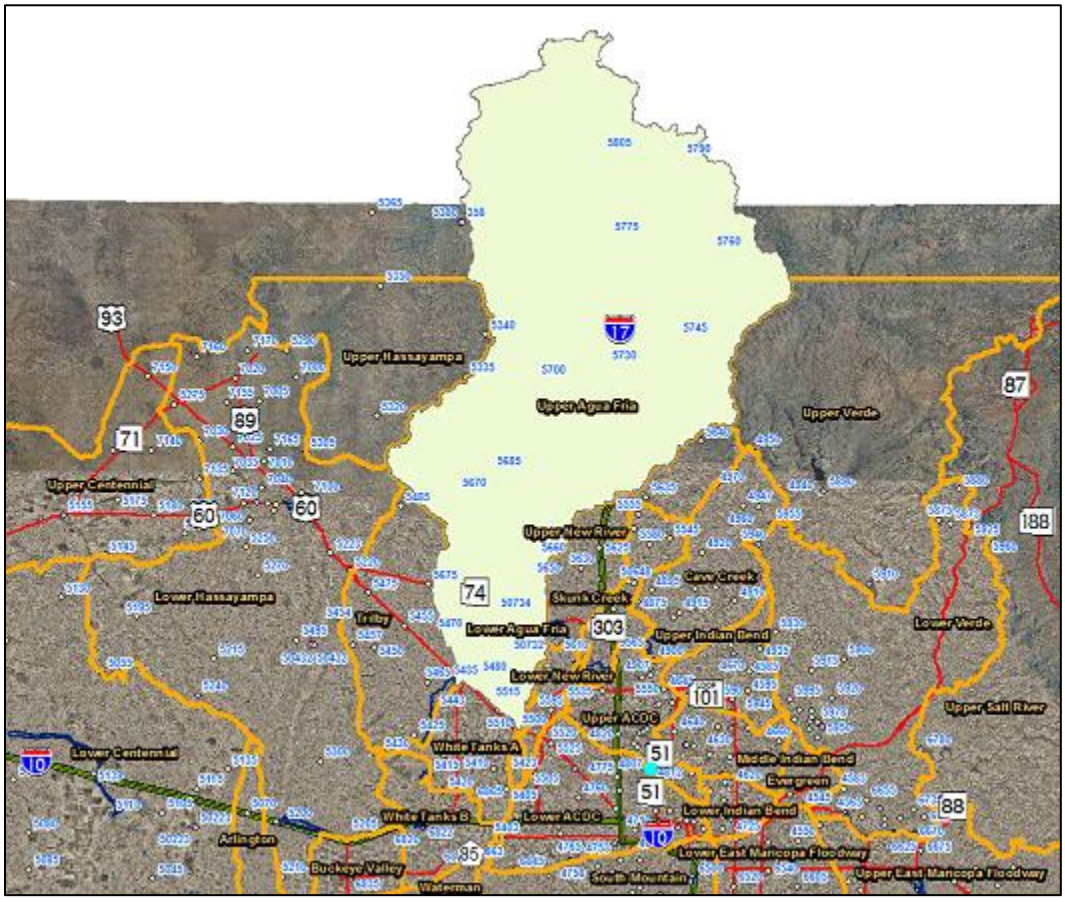
Agua Fria River at Grand Avenue, ID #5503

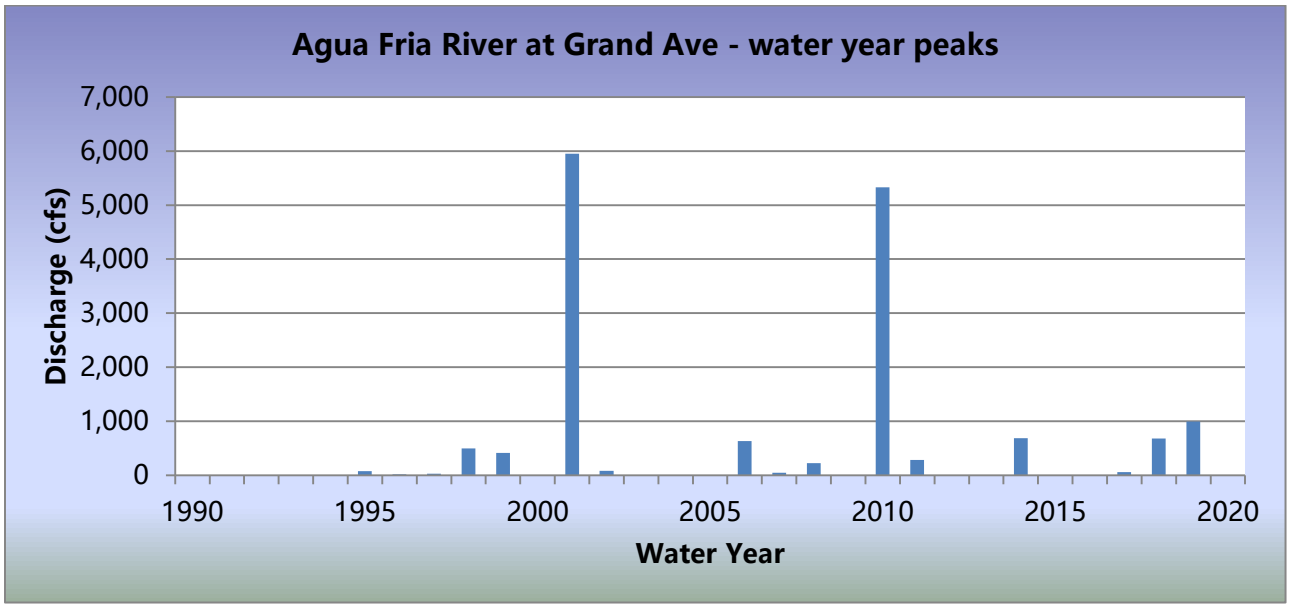


Site Data

LOCATION	On Grand Avenue west of 113th Avenue
DRAINAGE AREA	1,628 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	El Mirage, Arizona
WATERSHED	White Tanks A / Lower Agua Fria
SECTION/TOWNSHIP/RANGE	S18 T3N R1E
LATITUDE	N 33° 36' 26.6" | +33.60739
LONGITUDE	W 112° 18' 20.6" | -112.30571
STREAMGAGE INSTALLATION DATE	04/27/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	04/27/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.43 Years | 9,288 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.50 feet Gage Height
STAFF GAGES	3
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	1.6 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,952 cfs | 6.50 feet | 10/27/2000

Watershed Map

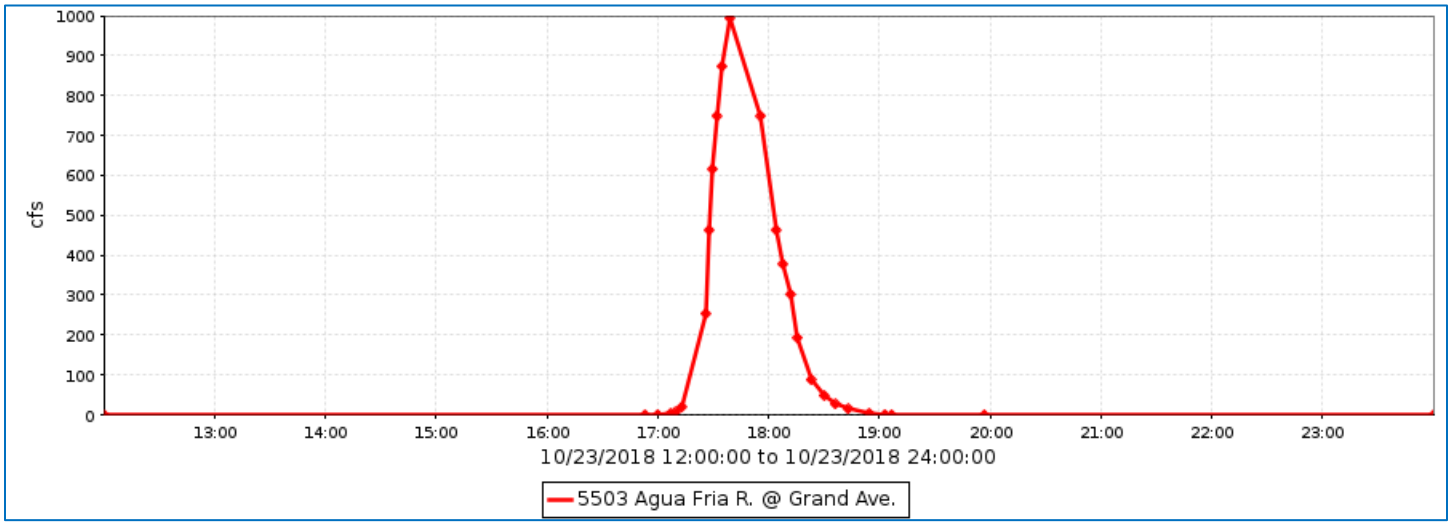




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	3.43	193
10/02/2018	3.24	65
10/13/2018	3.19	48
10/14/2018	3.68	418
10/23/2018	4.17	995
03/12/2019	3.20	51
08/28/2019	3.38	146
09/23/2019	3.35	123
09/24/2019	3.30	92
09/27/2019	3.56	324

Hydrograph of peak WY 2019 flow event, 10/23/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Agua Fria River at Grand Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	20											
3												
4												
5												
6												
7	1											
8												
9												
10												
11												
12						3						
13	1											
14	8											
15												
16												
17												
18												
19												
20												
21												
22												
23	27											3
24												4
25												
26												
27												7
28												
29		6			---							
30					---							---
31		---			---		---		---			---
TOTAL	57	7	0	0	0	4	0	0	0	1	0	---
MEAN	2	0	0	0	0	0	0	0	0	0	0	---
MAX	995	26	0	0	5	51	3	0	0	8	0	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	114	13	0	1	1	7	1	1	1	1	0	---

WTR YR 2019 TOTAL 70 MEAN --- MAX --- MIN --- AC_FT 139

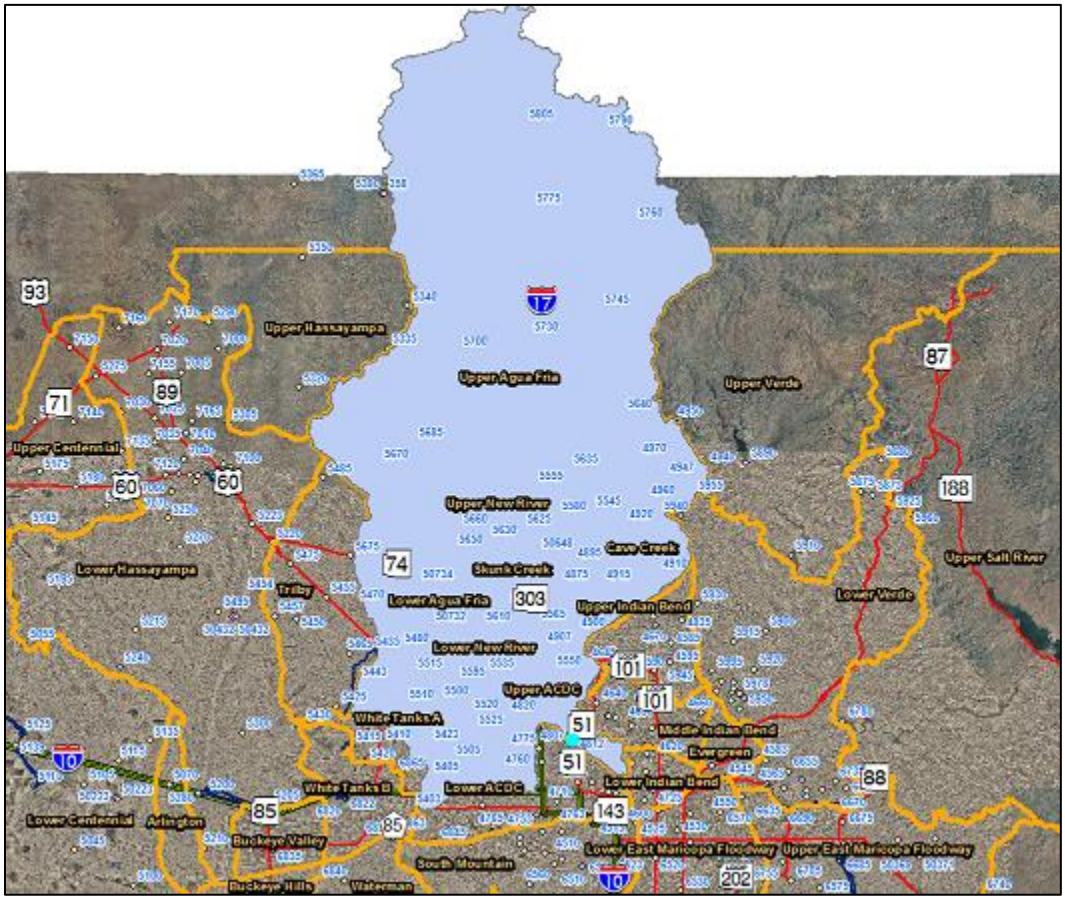
Agua Fria River at Buckeye Road, ID #5403

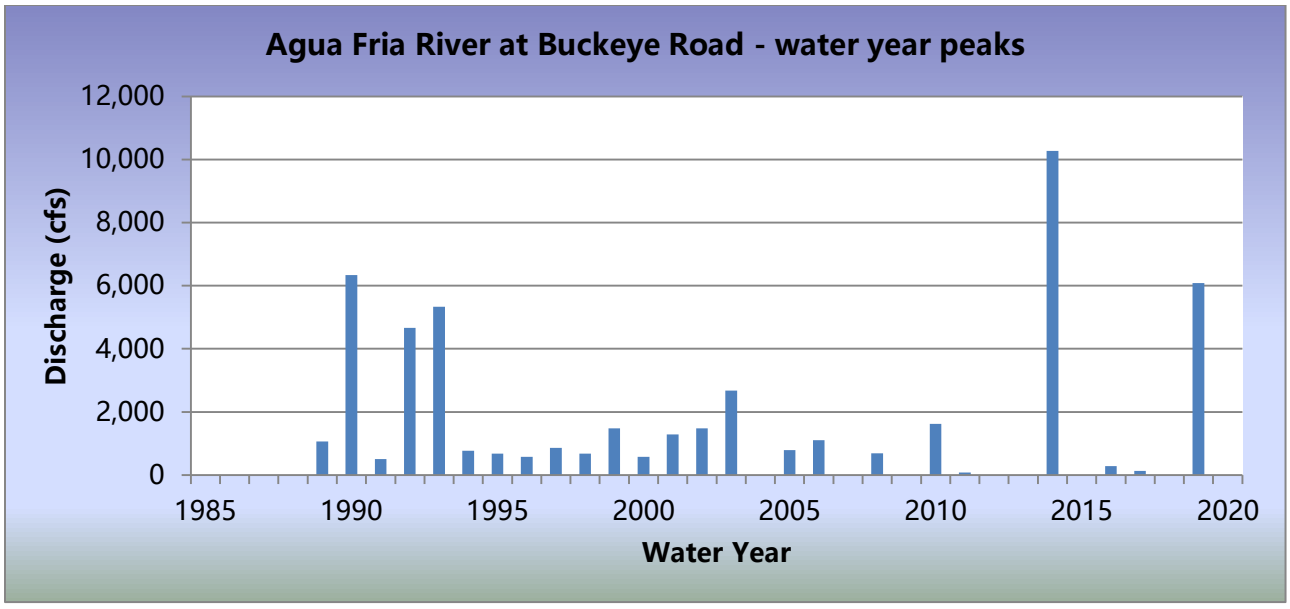


Site Data

LOCATION	On Buckeye Road east of Dysart Road
DRAINAGE AREA	2,241 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Avondale, Arizona
WATERSHED	White Tanks A / Lower ACDC
SECTION/TOWNSHIP/RANGE	S14 T1N R1W
LATITUDE	N 33° 26' 06.3" | +33.43501
LONGITUDE	W 112° 19' 55.8" | -112.33254
STREAMGAGE INSTALLATION DATE	10/12/1988 - WY 1989
AVAILABLE PERIOD OF RECORD (POR)	10/12/1988 - Current
LENGTH OF AVAILABLE POR DATA	30.97 Years | 11,311 Days
DATA GAPS IN POR	09/06/2003 - 07/13/2004
STAGE GAGE ELEVATION	0.26 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	954.72 feet NAVD88
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	10,274 cfs | 3.74 feet | 09/08/2014
EXTREME OUTSIDE PERIOD OF RECORD	44,200 cfs | 02/20/1980

Watershed Map

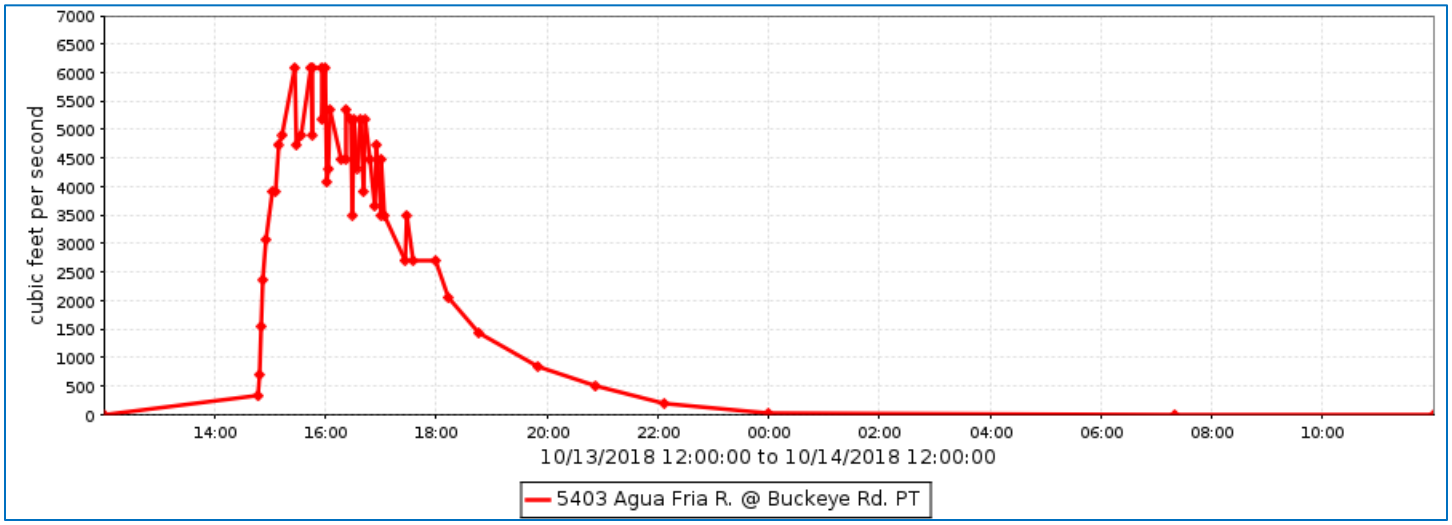




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	0.58	700
10/07/2018	0.51	500
10/13/2018	1.31	6,088
09/24/2019	0.48	373

Hydrograph of peak WY 2019 flow event, 10/13/2018



Flood Flow Frequency

Flood Flow Frequency FEMA, 1995					
2-year	**5-year**	**10-year**	**50-year**	**100-year**	**500-year**
		22,000	**69,000**	**95,000**	**184,000**

Agua Fria River at MC85, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	72											
3												
4												
5												
6												
7	54											
8												
9												
10												
11												
12												
13	773											
14	7											
15												
16												
17												
18												
19												
20												
21												
22												
23												4
24												35
25												
26												
27												
28												
29					---							
30					---							---
31		---			---		---		---			---
TOTAL	905	0	0	0	0	0	0	0	0	0	0	---
MEAN	29	0	0	0	0	0	0	0	0	0	0	---
MAX	6088	0	0	0	0	0	0	0	0	0	0	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	1796	0	0	0	0	0	0	0	0	0	0	---

WTR YR 2019 TOTAL 905 MEAN --- MAX --- MIN --- AC_FT 1796

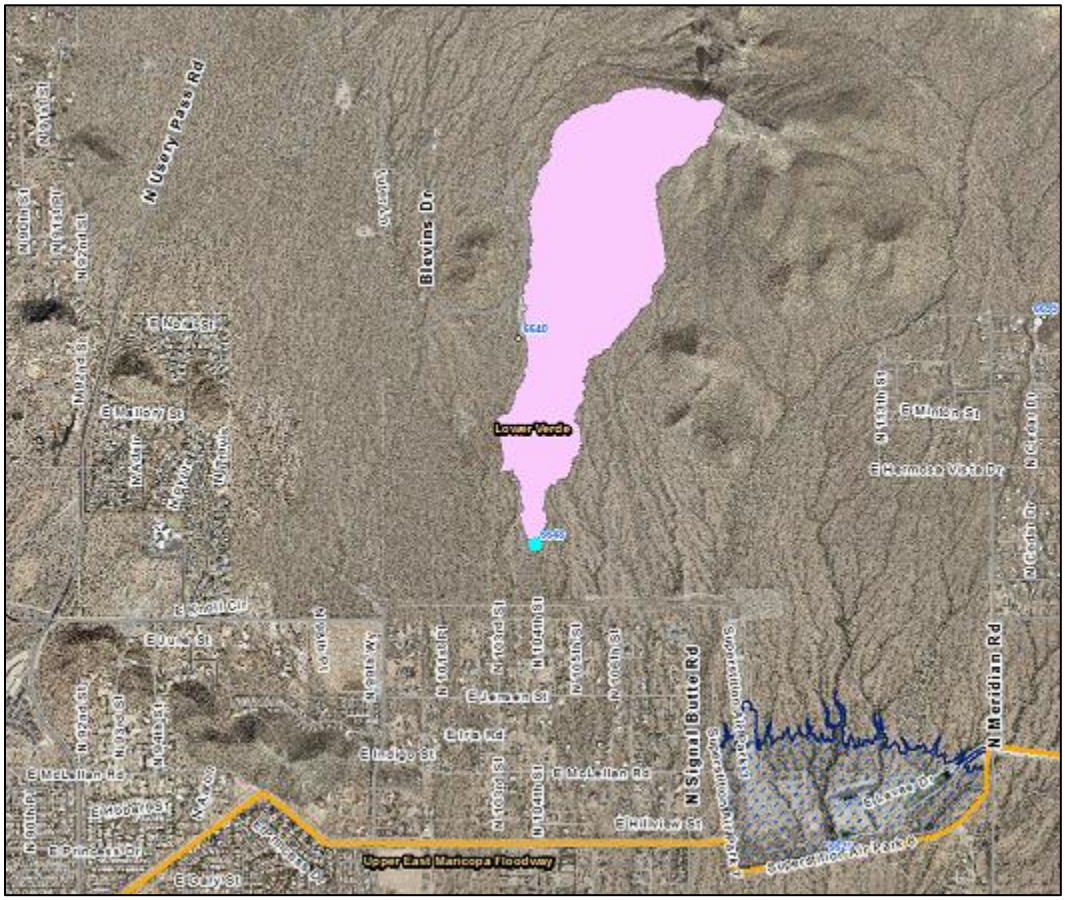
Amigos Wash, ID #6648

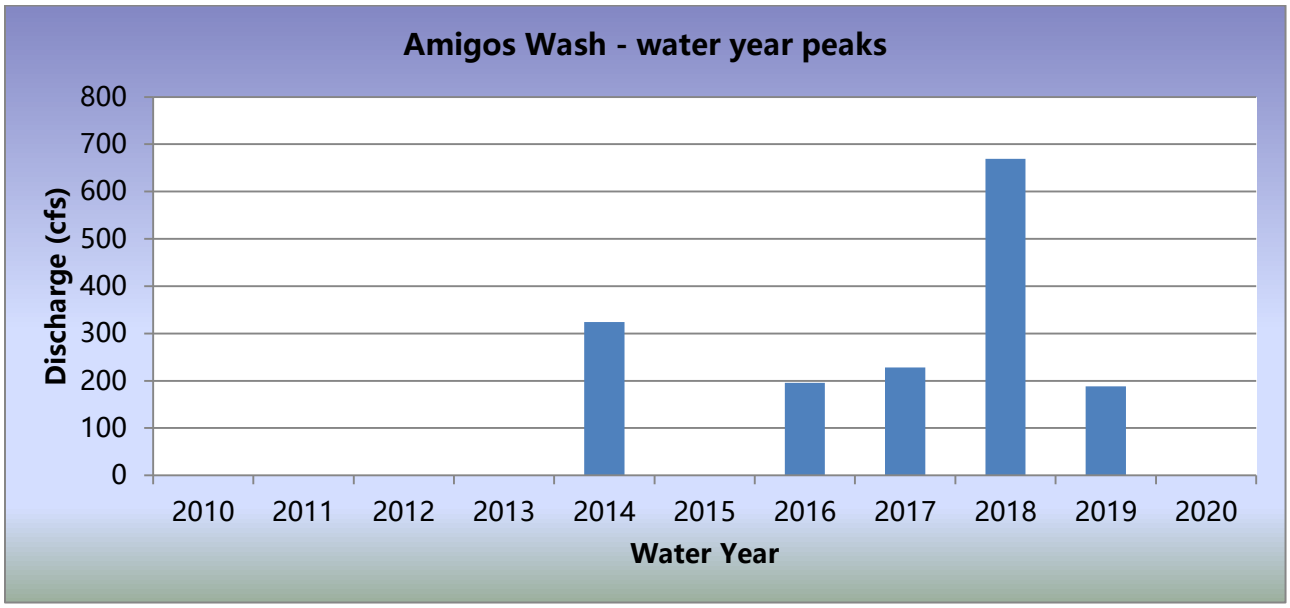


Site Data

LOCATION	Located in Usery Mountain Park, northeast of the intersection of McKellips and Crismon Roads
DRAINAGE AREA	0.47 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S01 T1N R7E
LATITUDE	N 33° 27' 16.8" | +33.45467
LONGITUDE	W 111° 36' 24.4" | -111.60677
STREAMGAGE INSTALLATION DATE	01/09/2013 - WY 2013
AVAILABLE PERIOD OF RECORD (POR)	01/09/2013 - Current
LENGTH OF AVAILABLE POR DATA	6.72 Years | 2,456 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.75 feet Gage Height
STAFF GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,783.87 feet NAVD88
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	669 cfs | 2.05 feet | 08/10/2018

Watershed Map

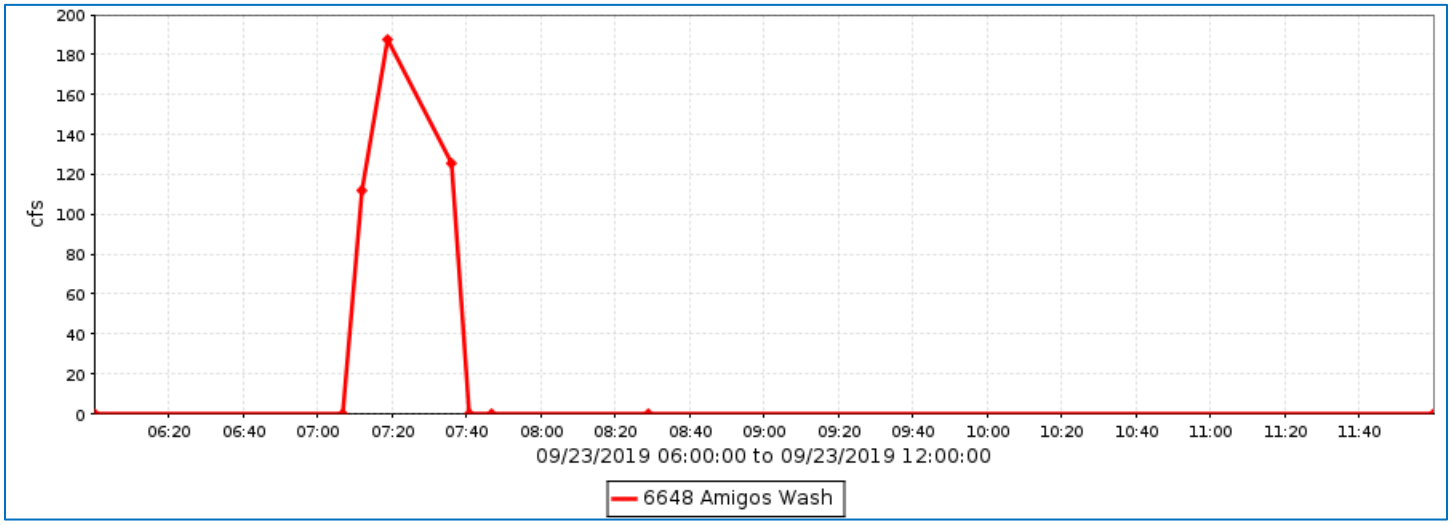




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
09/23/2019	1.25	188

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Amigos Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												3
24												
25												
26												
27												
28												
29					---							
30					---							---
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	---
MEAN	0	0	0	0	0	0	0	0	0	0	0	---
MAX	0	0	0	0	0	0	0	0	0	0	0	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	0	0	0	0	0	0	0	0	0	0	0	---

WTR YR 2019 TOTAL 0 MEAN --- MAX --- MIN --- AC_FT 0

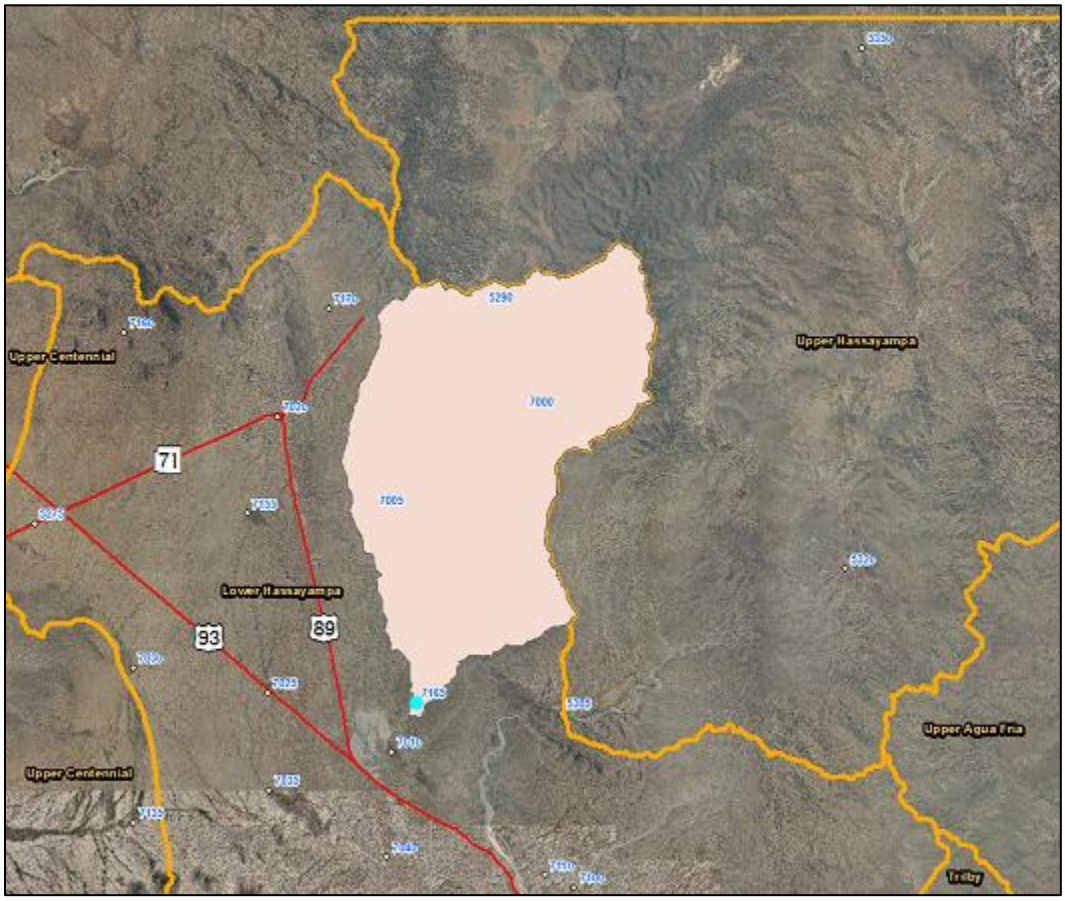
Antelope Creek, ID #7168

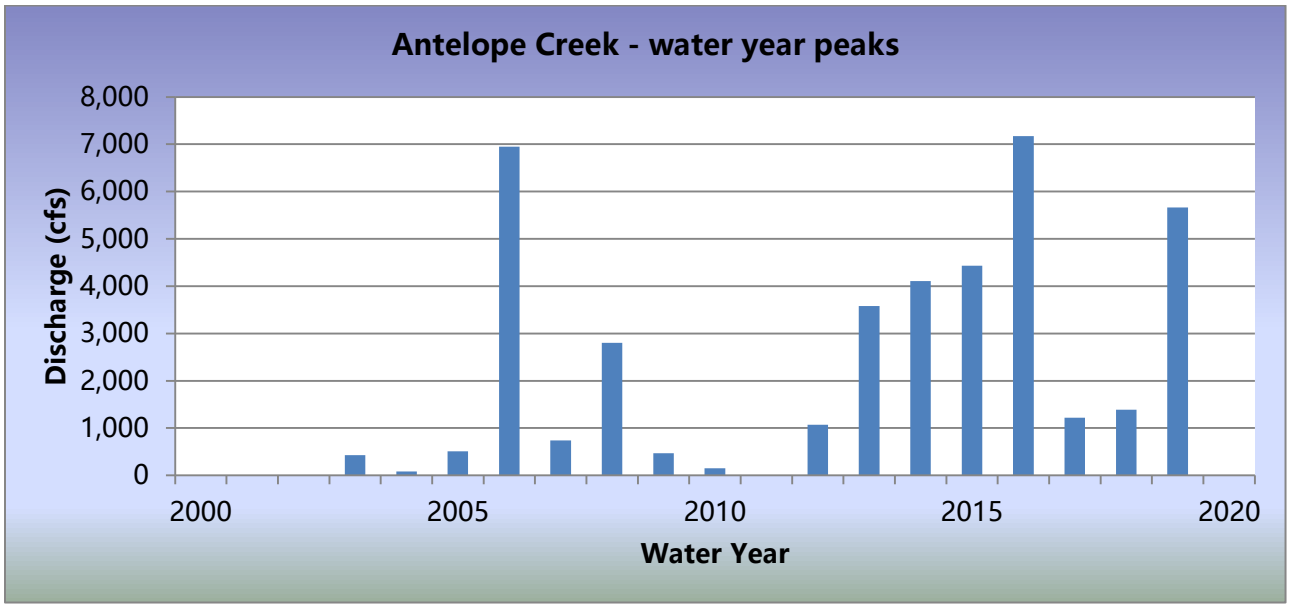


Site Data

LOCATION	Located about 1.5 miles upstream from Martinez Creek (7013)
DRAINAGE AREA	62 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S09 T8N R5W
LATITUDE	N 34° 02' 55.6" | +34.04877
LONGITUDE	W 112° 46' 45.7" | -112.77937
STREAMGAGE INSTALLATION DATE	07/09/2003 - WY 2003
AVAILABLE PERIOD OF RECORD (POR)	07/09/2003 - Current
LENGTH OF AVAILABLE POR DATA	16.23 Years | 5,928 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,406.00 feet NAVD88
POINT OF ZERO FLOW	1.4 feet Gage Height
EXTREME FOR PERIOD OF RECORD	7,169 cfs | 5.42 feet | 10/20/2015

Watershed Map

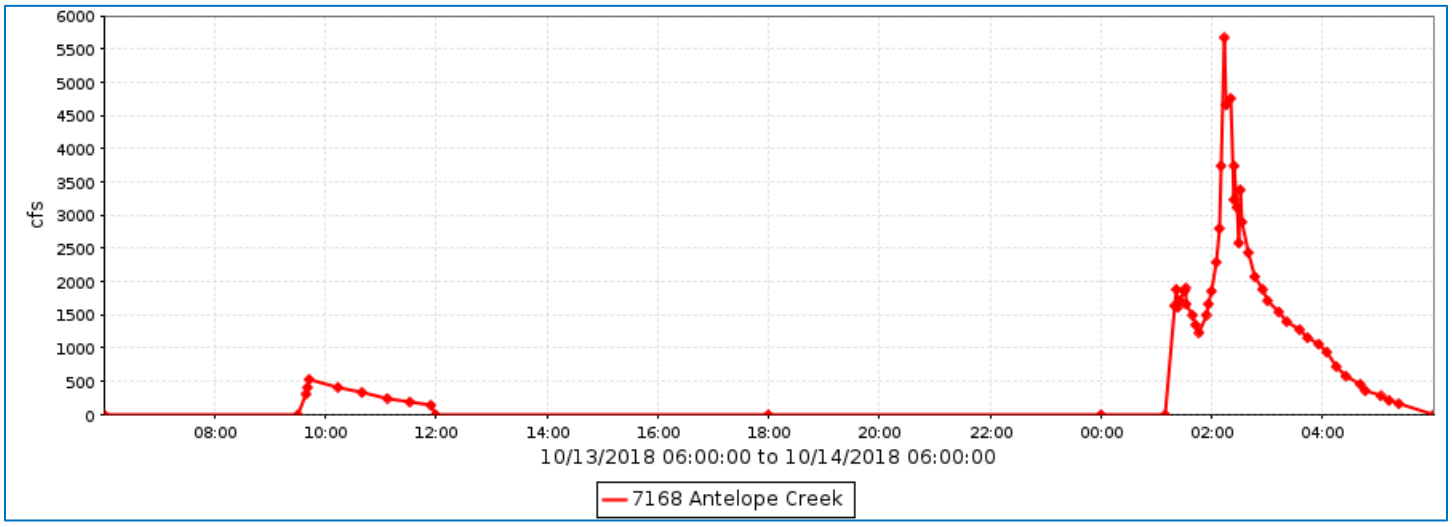




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/14/2018	5.12	5,662
09/23/2019	4.03	1,706
09/23/2019	3.63	1,291
09/25/2019	3.91	1,574
09/26/2019	3.78	1,439

Hydrograph of peak WY 2019 flow event, 10/14/2018



Flood Flow Frequency

Flood Flow Frequency N=17, HEC-WRC computation (based on 17 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,270	**3,980**	**6,920**	**10,700**	**17,100**	**23,000**

NOTE: These results are based on very limited data.

Antelope Creek, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	34											
14	261											
15												
16												
17												
18												
19												
20												
21												
22												
23												109
24												
25												85
26	---											180
27	---											
28	---											
29					---							
30					---							---
31		---			---		---		---			---
TOTAL	294	0	0	0	0	0	0	0	0	0	0	---
MEAN	9	0	0	0	0	0	0	0	0	0	0	---
MAX	5662	0	0	0	0	0	0	0	0	0	0	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	584	0	0	0	0	0	0	0	0	0	0	---

WTR YR 2019 TOTAL 294 MEAN --- MAX --- MIN --- AC_FT 584

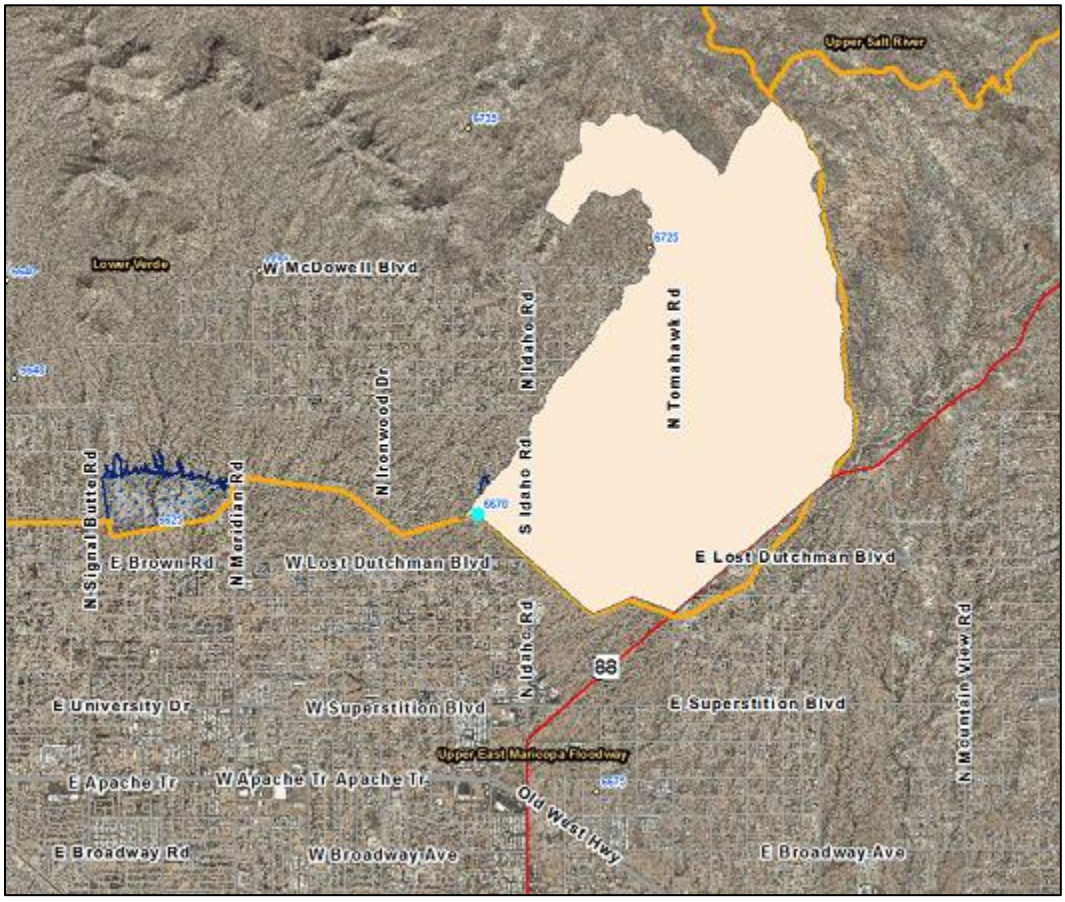
Apache Junction FRS, ID #6673

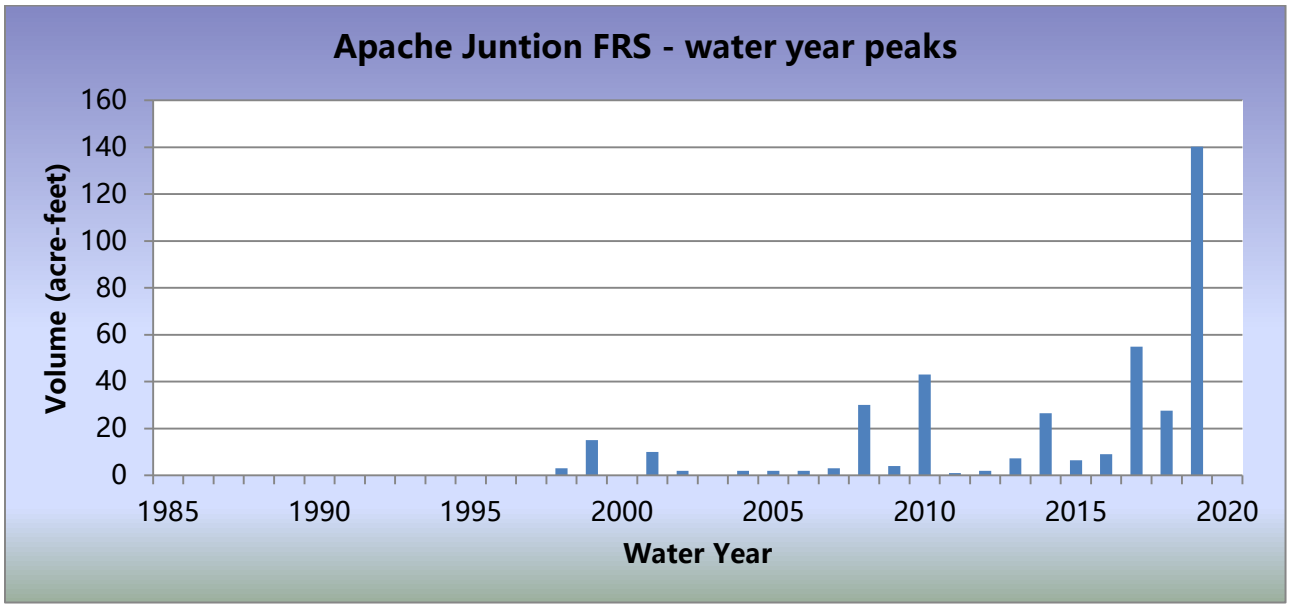


Site Data

LOCATION	Located near Idaho Road and Lost Dutchman Boulevard
DRAINAGE AREA	5.8 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Apache Junction, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S08 T1N R8E
LATITUDE	N 33° 26' 29.2" | +33.44143
LONGITUDE	W 111° 33' 06.4" | -111.55178
STREAMGAGE INSTALLATION DATE	09/15/1988 - WY 1988
AVAILABLE PERIOD OF RECORD (POR)	09/15/1988 - Current
LENGTH OF AVAILABLE POR DATA	31.04 Years | 11,338 Days
DATA GAPS IN POR	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.13 feet Gage Height
STAFF GAGES	5
ZERO GAGE HEIGHT ELEVATION	1,785.79 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
SPILLWAY ELEVATION	16.00 feet Gage Height
TOP OF DAM ELEVATION	27.00 feet Gage Height

Watershed Map

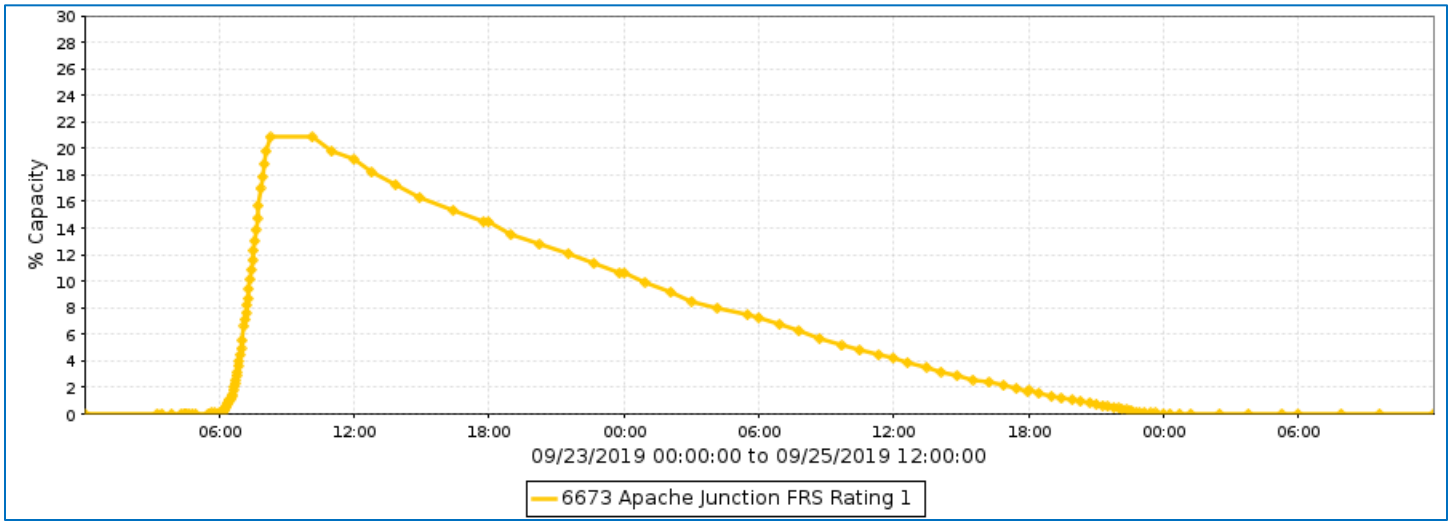




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/13/2018	4.62	14.2	2.1
02/21/2019	2.91	3.2	0.5
09/23/2019	9.12	140.2	20.8

Hydrograph of peak WY 2019 impoundment event, 09/23/2019



Apache Junction FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												---
2												---
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	14											
14												
15												
16												
17							---					
18												
19							---					
20							---					
21					4		---					
22					3							
23												30
24												31
25												1
26												
27												
28												
29					---							
30					---						---	---
31		---			---		---		---		---	---
TOTAL	14	0	0	0	7	0	0	0	0	0	0	---
MEAN	0	0	0	0	0	0	0	0	0	0	0	---
MAX	28	0	0	0	20	0	0	0	0	3	0	---
MIN	0	0	0	0	0	0	0	0	0	0	0	---
AC_FT	27	0	0	0	14	0	0	0	0	0	0	---

WTR YR 2019 TOTAL 21 MEAN --- MAX --- MIN --- AC_FT 41

Apache Junction FRS, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												---
2												---
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	5											
14												
15												
16												
17							---					
18												
19							---					
20							---					
21					1		---					
22												
23												77
24												31
25												
26												
27												
28												
29					---							
30					---						---	
31		---			---		---		---		---	---
MEAN	0	0	0	0	0	0	0	0	0	0	0	4
MAX	14	0	0	0	3	0	0	0	0	0	0	140
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 140 MIN 0

Apache Junction FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	---
2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	---
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	2.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
14	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.7	0.1	---	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.2
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.4
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	---	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	---	---
MEAN	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.6
MAX	4.6	0.1	0.1	0.1	2.9	0.1	0.1	0.1	0.1	0.9	0.1	9.1
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.17 MAX 9.12 MIN 0.13

Apache Trail, ID #36507



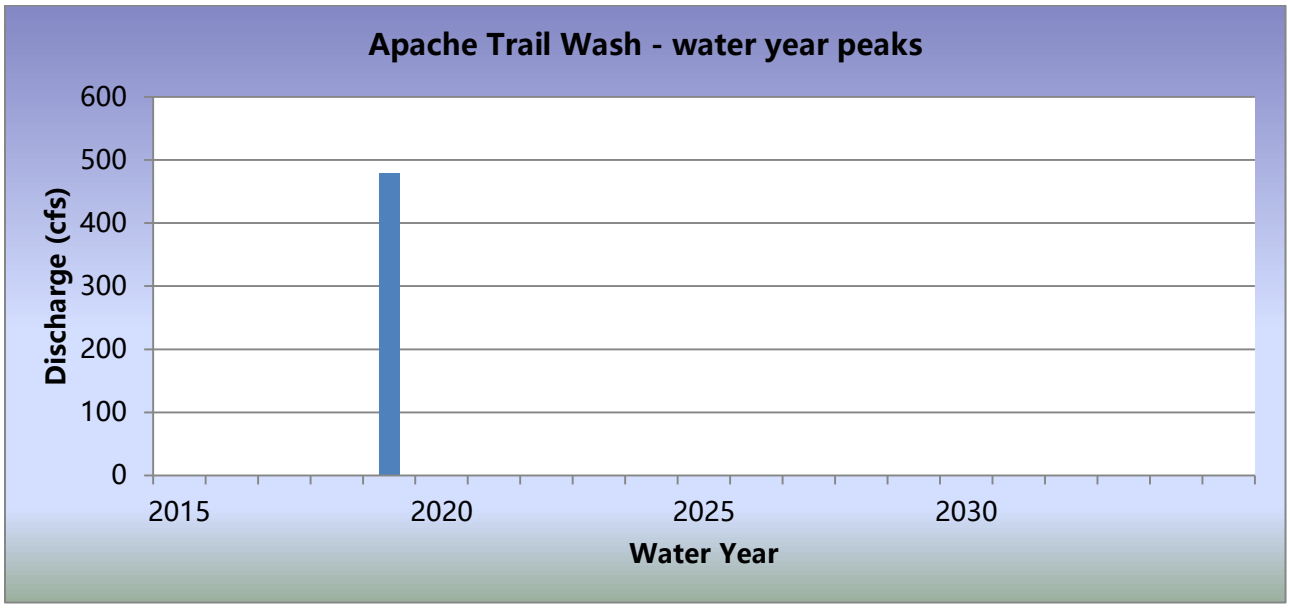
Site Data

LOCATION	Located near the corner of Fourth Avenue and Royal Palm Road
DRAINAGE AREA	0.35 mi^2
STREAM TYPE	Natural drainaged, encroached by development
JURISDICTION	Apache Junction, Arizona
WATERSHED	Upper EMF
SECTION/TOWNSHIP/RANGE	S21 T1N R8E
LATITUDE	N 33° 24’ 40.9" | +33.41137
LONGITUDE	W 111° 32' 14.0" | -111.53721
STREAMGAGE INSTALLATION DATE	06/27/2019 - WY 2019
AVAILABLE PERIOD OF RECORD (POR)	06/27/2019 – 10/16/2019
LENGTH OF AVAILABLE POR DATA	0.30 Years | 111 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.29 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,730.982 feet NAVD88
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	480 cfs | 2.87 feet GH | 09/23/2019

NOTE: This station was removed and moved to a location about 300 feet upstream in November 2019.

Location Map

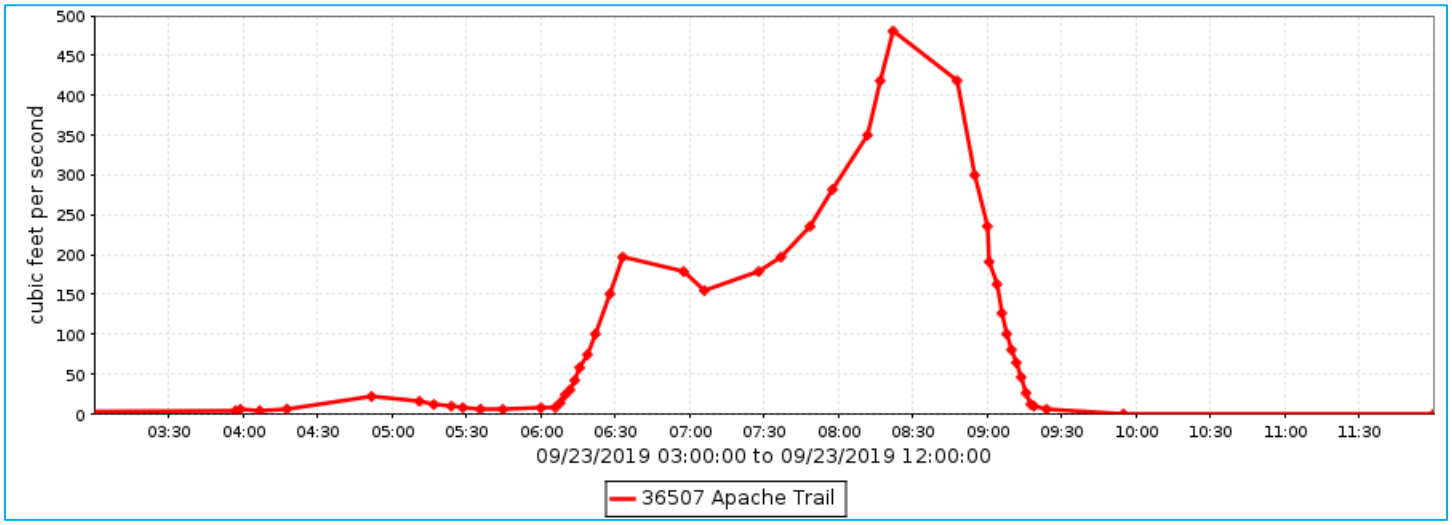




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/30/2019	0.62	7
09/23/2019	2.87	480

Hydrograph of peak WY 2019 flow event,



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Apache Trail, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---			
2	---	---	---	---	---	---	---	---	---			
3	---	---	---	---	---	---	---	---	---			
4	---	---	---	---	---	---	---	---	---			
5	---	---	---	---	---	---	---	---	---			
6	---	---	---	---	---	---	---	---	---			
7	---	---	---	---	---	---	---	---	---			
8	---	---	---	---	---	---	---	---	---			
9	---	---	---	---	---	---	---	---	---			
10	---	---	---	---	---	---	---	---	---			
11	---	---	---	---	---	---	---	---	---			
12	---	---	---	---	---	---	---	---	---			
13	---	---	---	---	---	---	---	---	---			
14	---	---	---	---	---	---	---	---	---			
15	---	---	---	---	---	---	---	---	---			
16	---	---	---	---	---	---	---	---	---			
17	---	---	---	---	---	---	---	---	---			
18	---	---	---	---	---	---	---	---	---			
19	---	---	---	---	---	---	---	---	---			
20	---	---	---	---	---	---	---	---	---			
21	---	---	---	---	---	---	---	---	---			
22	---	---	---	---	---	---	---	---	---			
23	---	---	---	---	---	---	---	---	---			32
24	---	---	---	---	---	---	---	---	---			
25	---	---	---	---	---	---	---	---	---			
26	---	---	---	---	---	---	---	---	---			
27	---	---	---	---	---	---	---	---				
28	---	---	---	---	---	---	---	---				
29	---	---	---	---	---	---	---	---				
30	---	---	---	---	---	---	---	---				---
31	---	---	---	---	---	---	---	---	---			---
TOTAL	---	---	---	---	---	---	---	---	0	0	0	32
MEAN	---	---	---	---	---	---	---	---	0	0	0	3
MAX	---	---	---	---	---	---	---	---	0	7	0	480
MIN	---	---	---	---	---	---	---	---	0	0	0	0
AC_FT	---	---	---	---	---	---	---	---	0	0	0	5

WTR YR 2019 TOTAL 0 MEAN --- MAX 480 MIN 0 AC_FT 0

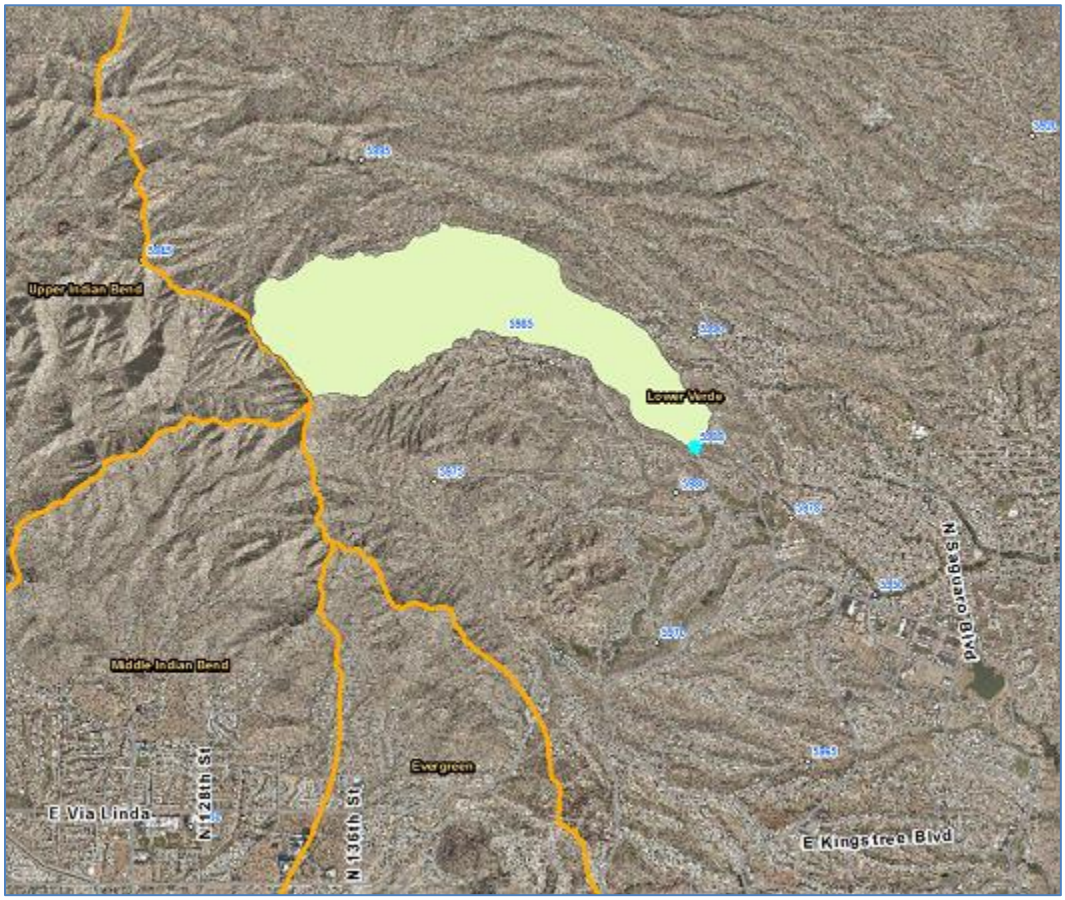
Aspen Dam, ID #5988

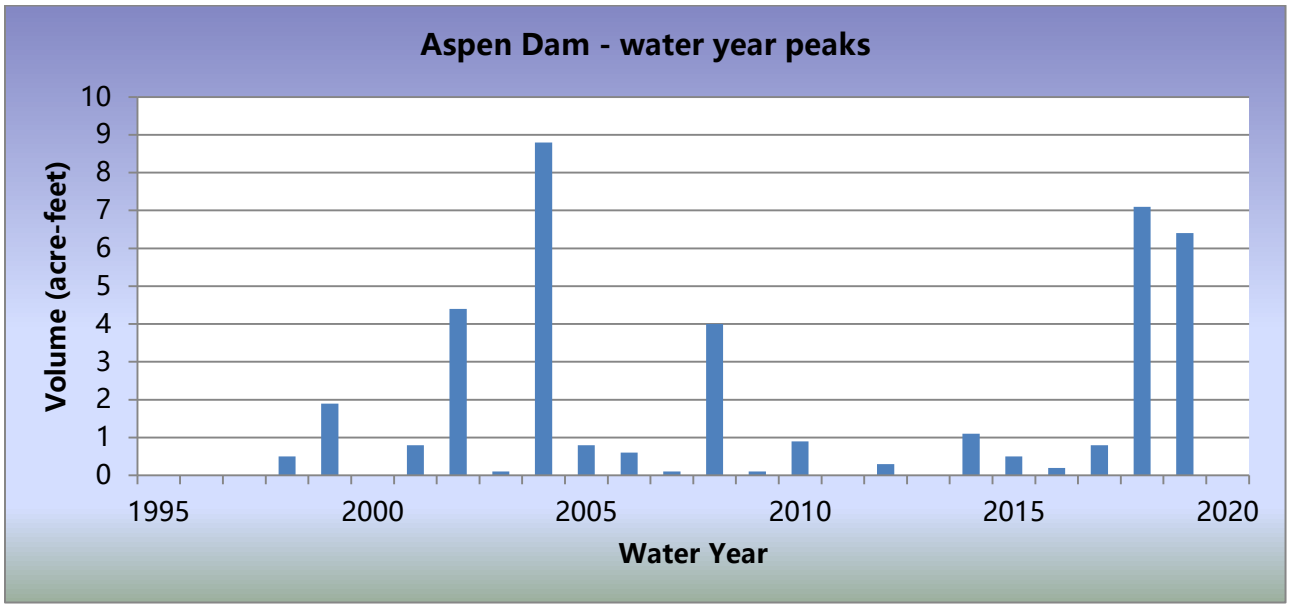


Site Data

LOCATION	Near Aspen Drive and Golden Eagle Boulevard
DRAINAGE AREA	2.13 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S16 T3N R6E
LATITUDE	N 33° 37' 33.1" | +33.62587
LONGITUDE	W 111° 44' 47.3" | -111.74646
STREAMGAGE INSTALLATION DATE	01/02/1997 - WY 1997
AVAILABLE PERIOD OF RECORD (POR)	01/02/1997 - Current
LENGTH OF AVAILABLE POR DATA	21.74 Years | 7,942 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.33 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,810.88 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	26.8 feet Gage Height
TOP OF DAM ELEVATION	34.6 feet Gage Height

Watershed Map

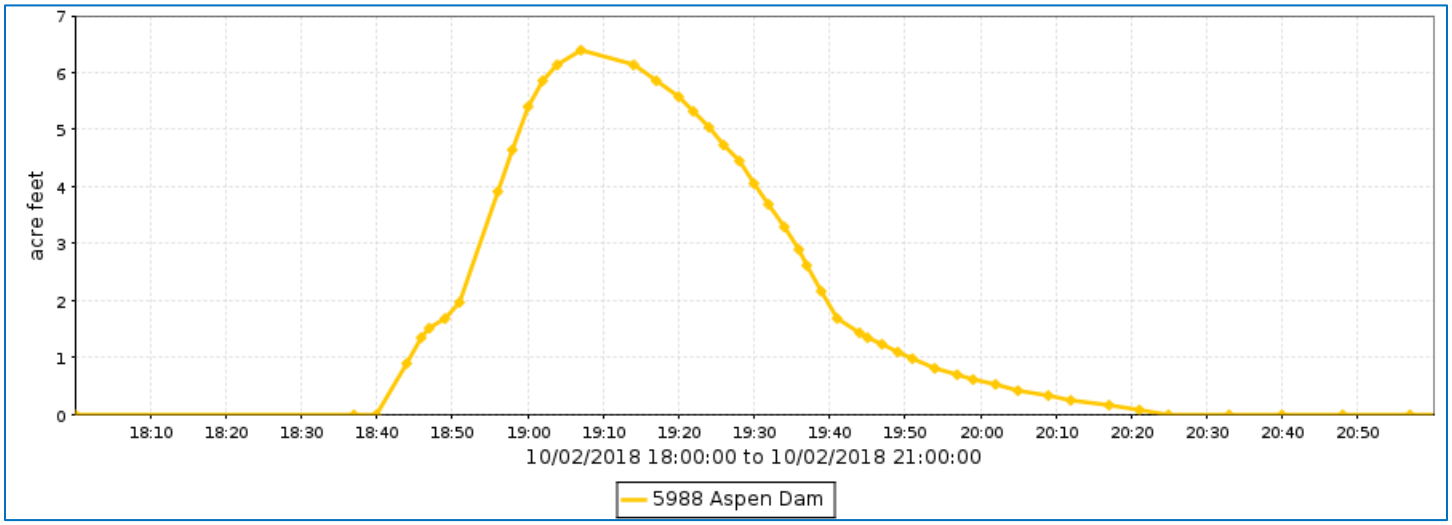




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	5.13	6.4	3.5
09/23/2019	3.06	1.4	0.8

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Aspen Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	6											
3	1											
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												3
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	7	0	0	0	0	0	0	0	0	0	0	3
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	96	0	0	0	0	0	0	0	0	0	0	54
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	14	0	0	0	0	0	0	0	0	0	0	6

WTR YR 2019 TOTAL 10 MEAN 0 MAX 96 MIN 0 AC_FT 20

Aspen Dam, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	6	0	0	0	0	0	0	0	0	0	0	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 6 MIN 0

Aspen Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	5.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.3
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.24 MAX 5.13 MIN 0.24

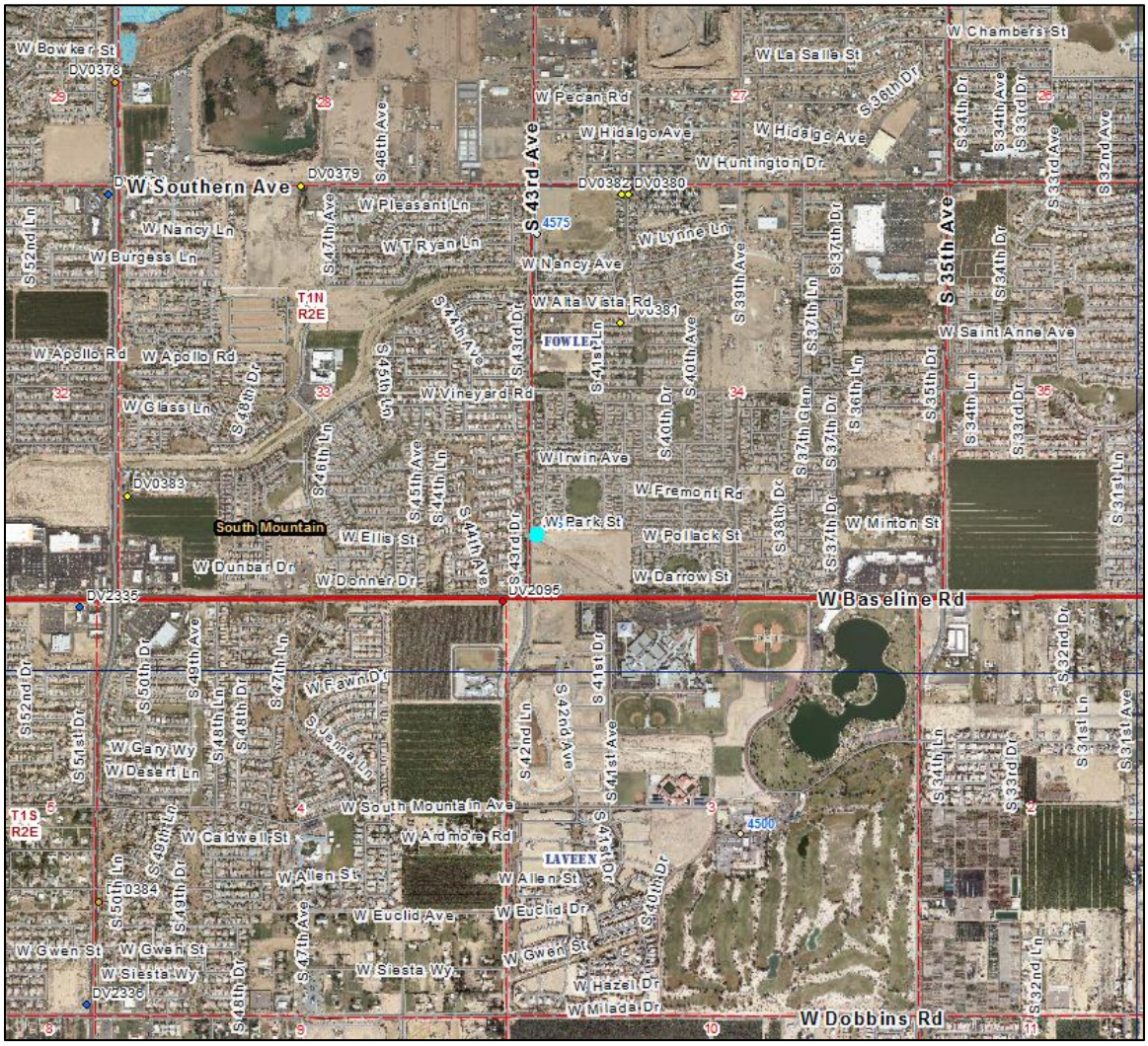
Baseline Road at 43rd Avenue Basin, ID #66407

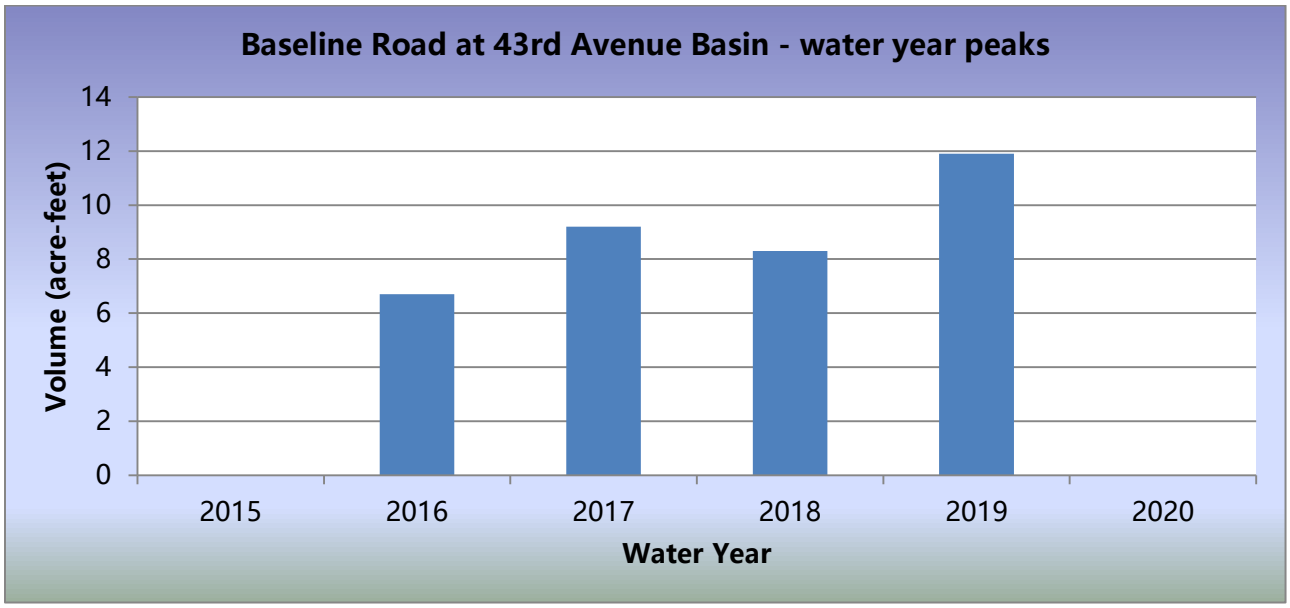


Site Data

LOCATION	Located on the basin at the northeast corner of Baseline Rd and 43rd Avenue
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S34 T1N R2E
LATITUDE	N 33° 22' 47.2" | +33.37978
LONGITUDE	W 112° 09' 02.5" | -112.15070
STREAMGAGE INSTALLATION DATE	10/01/2015 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	10/01/2015 - Current
LENGTH OF AVAILABLE POR DATA	4.00 Years | 1,461 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,023.95 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	10.5 feet Gage Height

Location Map

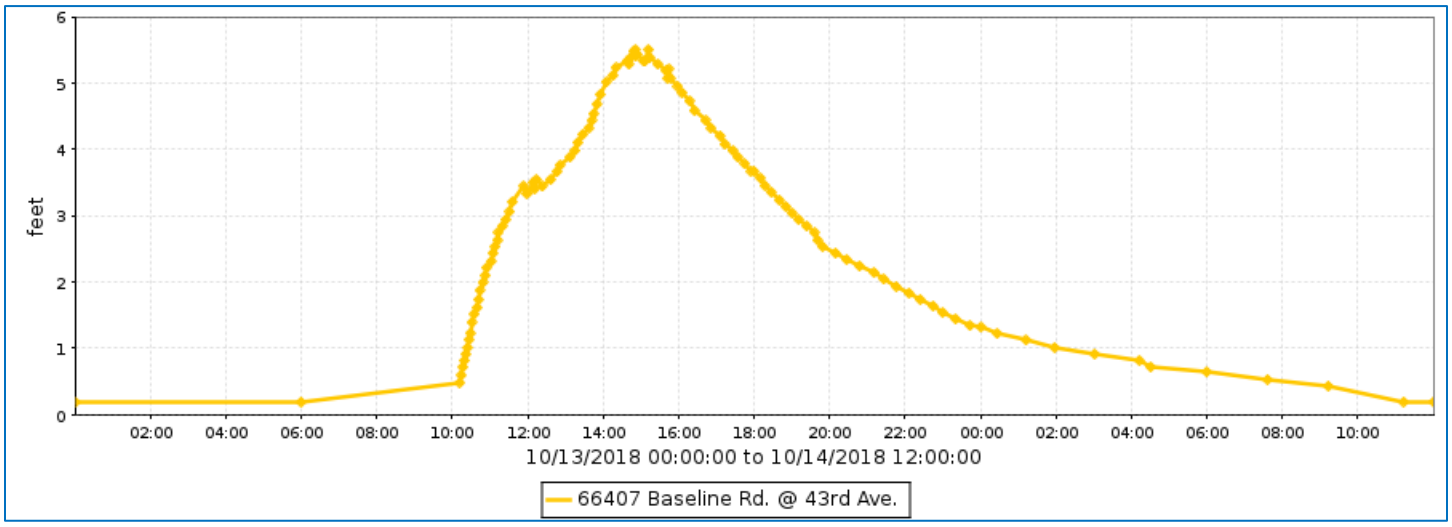




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	2.40	0.8	1.8
10/07/2018	1.84	0.0	0.0
10/13/2018	5.50	11.9	26.2
10/23/2018	0.72	0.0	0.0
08/28/2019	2.62	1.4	3.1
09/23/2019	0.42	0.0	0.0
09/25/2019	1.07	0.0	0.0

Hydrograph of peak WY 2019 impoundment event, 10/13/2018



Baseline Road at 43rd Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Baseline Road at 43rd Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	2											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	12	0	0	0	0	0	0	0	0	0	1	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 12 MIN 0

Baseline Road at 43rd Avenue Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	2.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.3	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	5.5	0.3	0.2	0.5	1.0	0.2	0.2	0.2	0.2	0.2	2.6	1.1
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.21 MAX 5.50 MIN 0.20

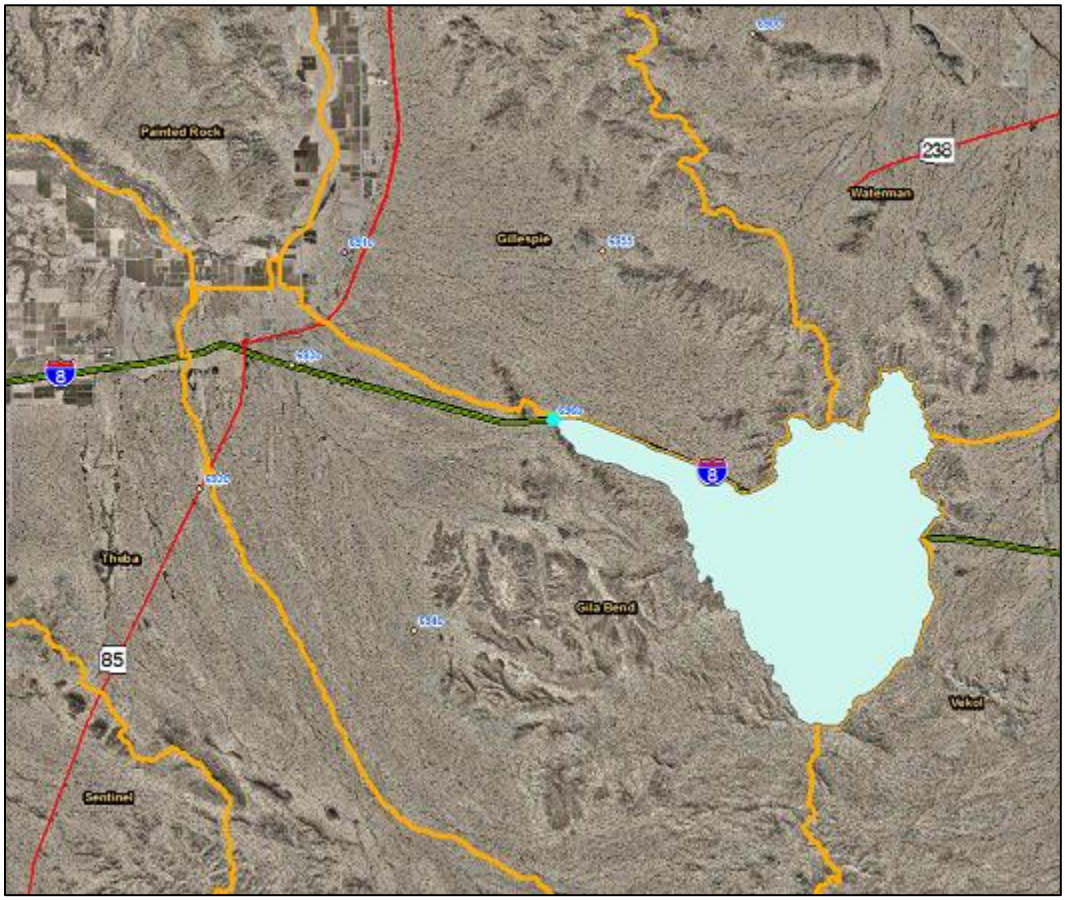
Bender Wash, ID #6963

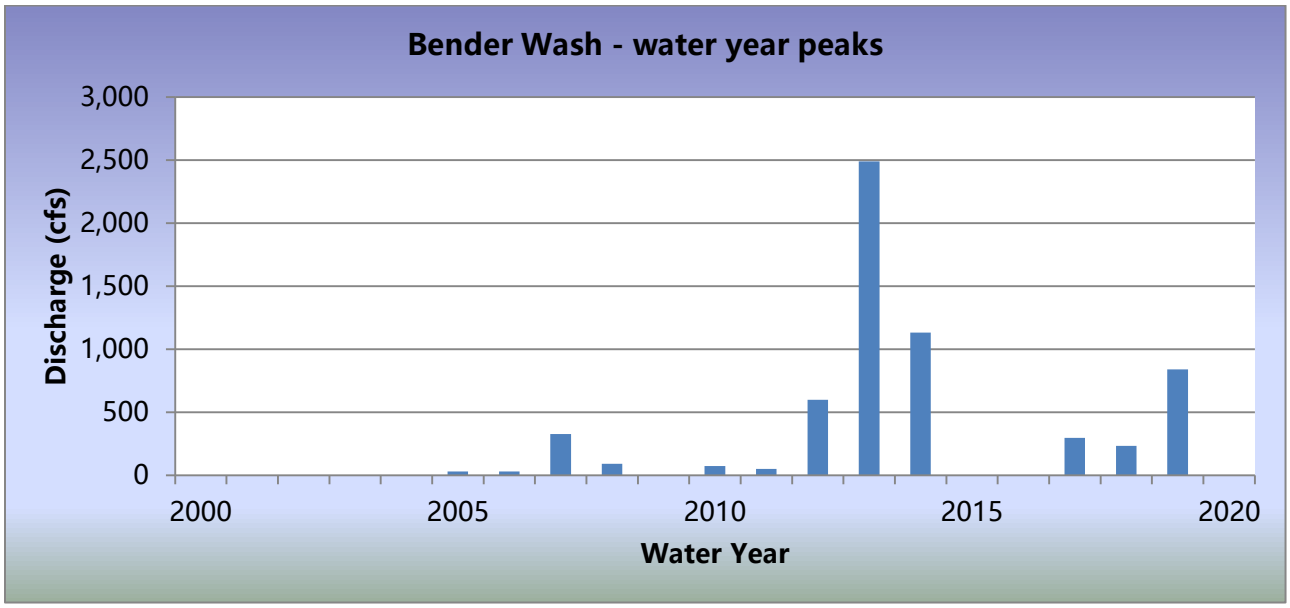


Site Data

STATUS	Active
LOCATION	Located about 8 miles east of Gila Bend on I-8
DRAINAGE AREA	69.5 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Gila
SECTION/TOWNSHIP/RANGE	S15 T6S R3W
LATITUDE	N 32° 54' 22.9" | +32.90637
LONGITUDE	W 112° 33' 11.1" | -112.55309
STREAMGAGE INSTALLATION DATE	05/12/2004 - WY 2004
AVAILABLE PERIOD OF RECORD (POR)	05/12/2004 - Current
LENGTH OF AVAILABLE POR DATA	15.39 Years | 5,620 Days
DATA GAPS IN POR	10/06/2015 – 05/22/2017
STAGE GAGE ELEVATION	1.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,200.21 feet NAVD88
POINT OF ZERO FLOW	0.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,132 cfs | 5.20 feet | 08/13/2014
EXTREME OUTSIDE PERIOD OF RECORD	8,250 cfs | 10.78 feet | 09/07/2002

Watershed Map

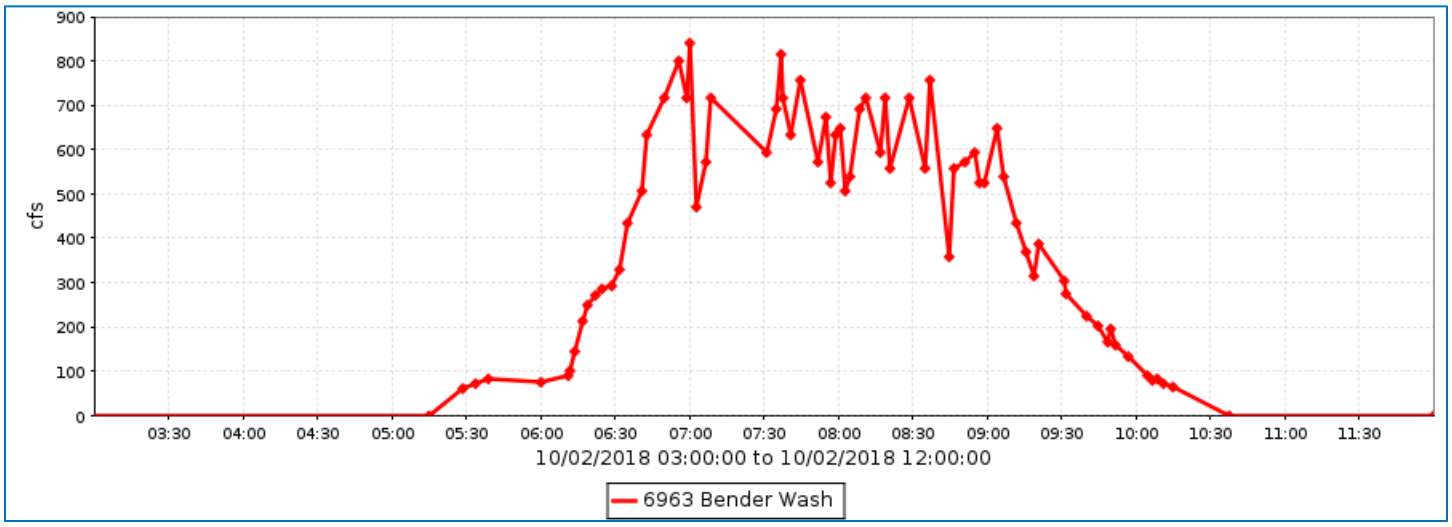




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.39	841
10/07/2018	1.67	93
09/01/2019	2.40	254

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency HEC-WRC computation (based on data from 1963 – 1979, 1983, 1991 – 1996)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
867	**1,580**	**2,160**	**2,990**	**3,690**	**4,450**

NOTE: These results are based on limited data.

Bender Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												12
2	87											
3												
4												
5				---								
6												
7	7											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	95	0	0	0	0	0	0	0	0	0	0	12
MEAN	3	0	0	0	0	0	0	0	0	0	0	0
MAX	841	0	0	0	73	0	0	0	0	0	0	254
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	188	0	0	0	0	0	0	0	0	0	0	24

WTR YR 2019 TOTAL 107 MEAN 0 MAX 841 MIN 0 AC_FT 212

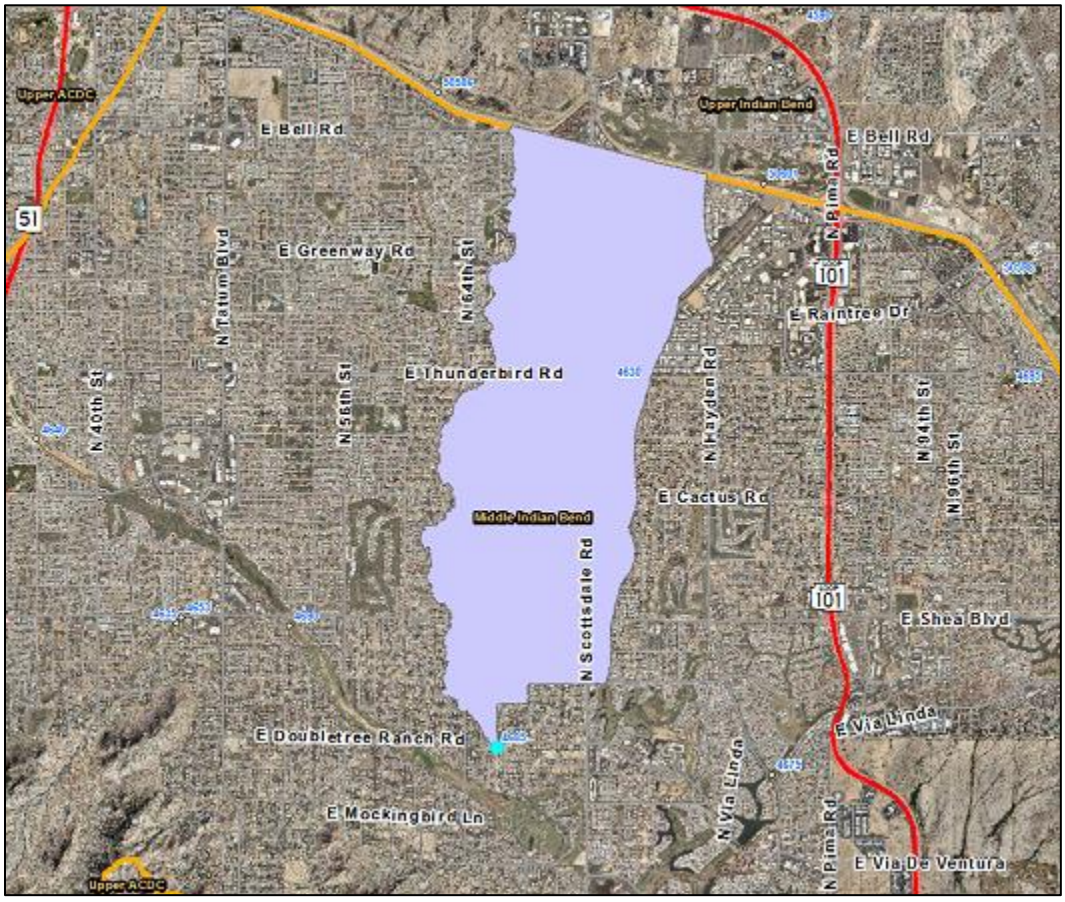
Berneil Wash, ID #4688

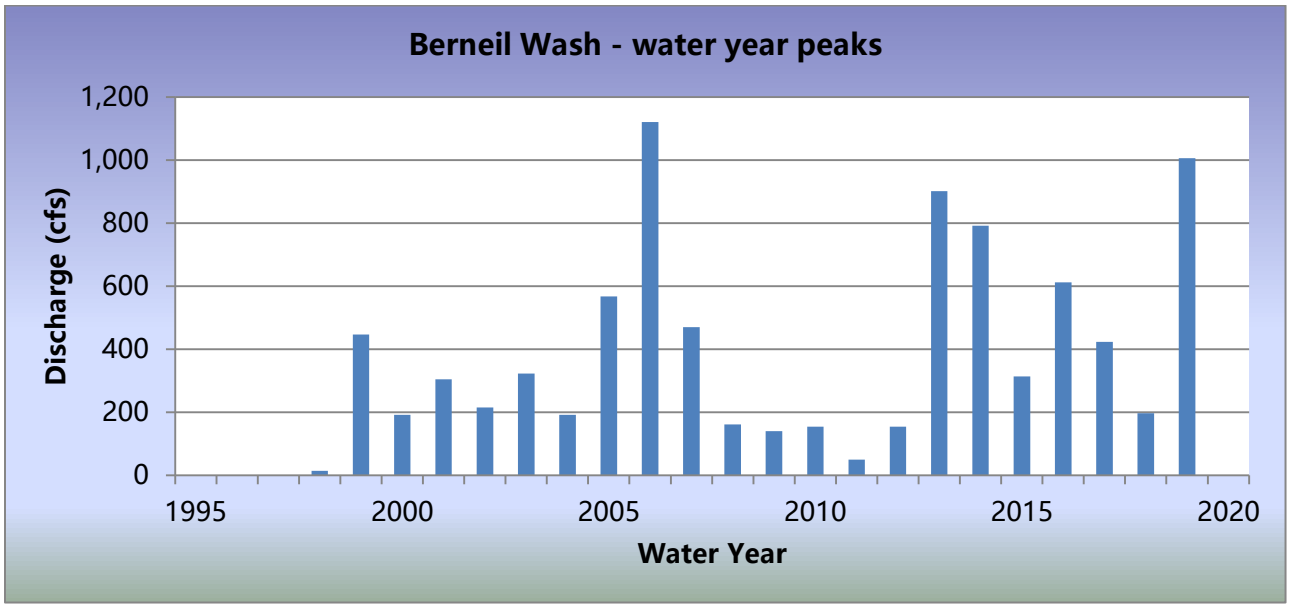


Site Data

LOCATION	Near 66th Street and Doubletree Road
DRAINAGE AREA	8.3 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Paradise Valley, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S34 T3N R4E
LATITUDE	N 33° 33' 58.5" | +33.56626
LONGITUDE	W 111° 56' 19.6" | -111.93878
STREAMGAGE INSTALLATION DATE	07/30/1998 - WY 1998
AVAILABLE PERIOD OF RECORD (POR)	07/30/1998 - Current
LENGTH OF AVAILABLE POR DATA	21.17 Years | 7,733 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,314.56 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,634 cfs | 3.50 feet | 10/02/2018

Watershed Map

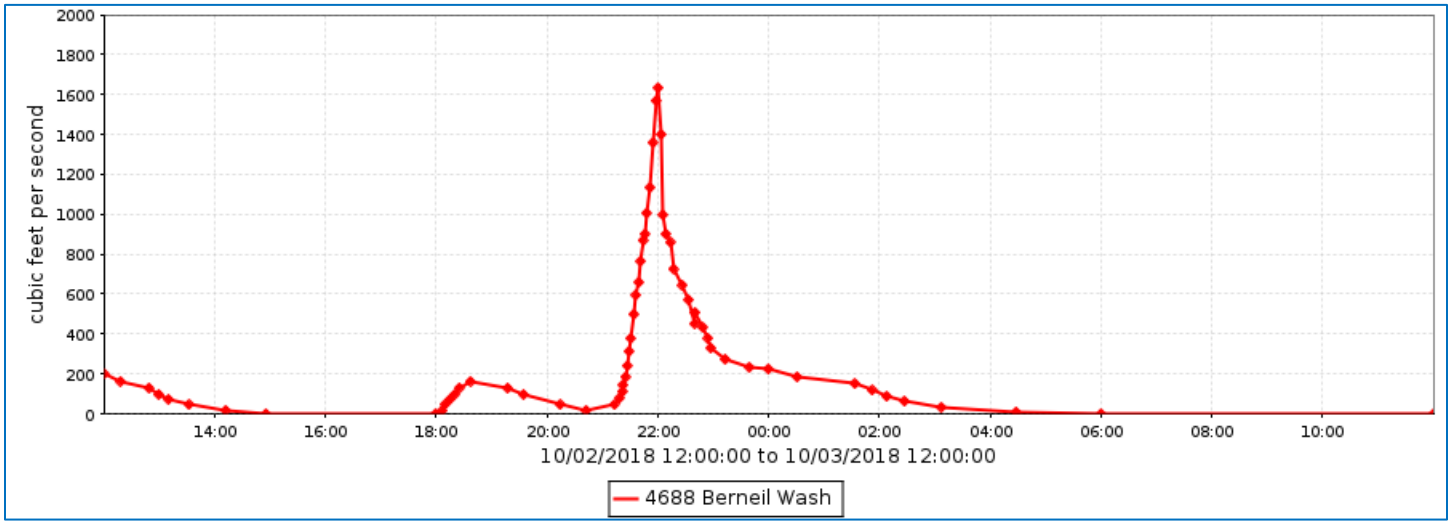




Berniel Wash, WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.50	1,634
10/02/2018	1.44	388
10/07/2018	0.64	123
10/13/2018	0.57	105
11/30/2018	0.24	33
01/06/2019	0.17	19
02/22/2019	0.44	76
03/12/2019	0.29	45
08/28/2019	0.92	200
09/14/2019	0.29	45
09/23/2019	1.22	304

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=22, HEC-WRC computation (based on 22 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
317	**603**	**830**	**1,070**	**1,420**	**1,700**

Berneil Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	126											
3	22										15	
4												
5												
6				3								
7	10				4							
8												
9												
10												
11												
12						3						
13	16											
14												1
15												
16												
17												
18												
19												
20												
21					8							
22					13							
23												20
24												
25												
26												
27												
28											10	
29					---						4	
30		2			---							
31		---			---		---		---			---
TOTAL	173	2	0	3	25	3	0	0	0	0	29	22
MEAN	6	0	0	0	1	0	0	0	0	0	1	1
MAX	1634	33	0	19	76	45	0	0	0	14	268	304
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	344	3	0	5	50	5	0	0	0	1	58	43

WTR YR 2019 TOTAL 257 MEAN 1 MAX 1634 MIN 0 AC_FT 510

Blue Tank Wash, ID #52707

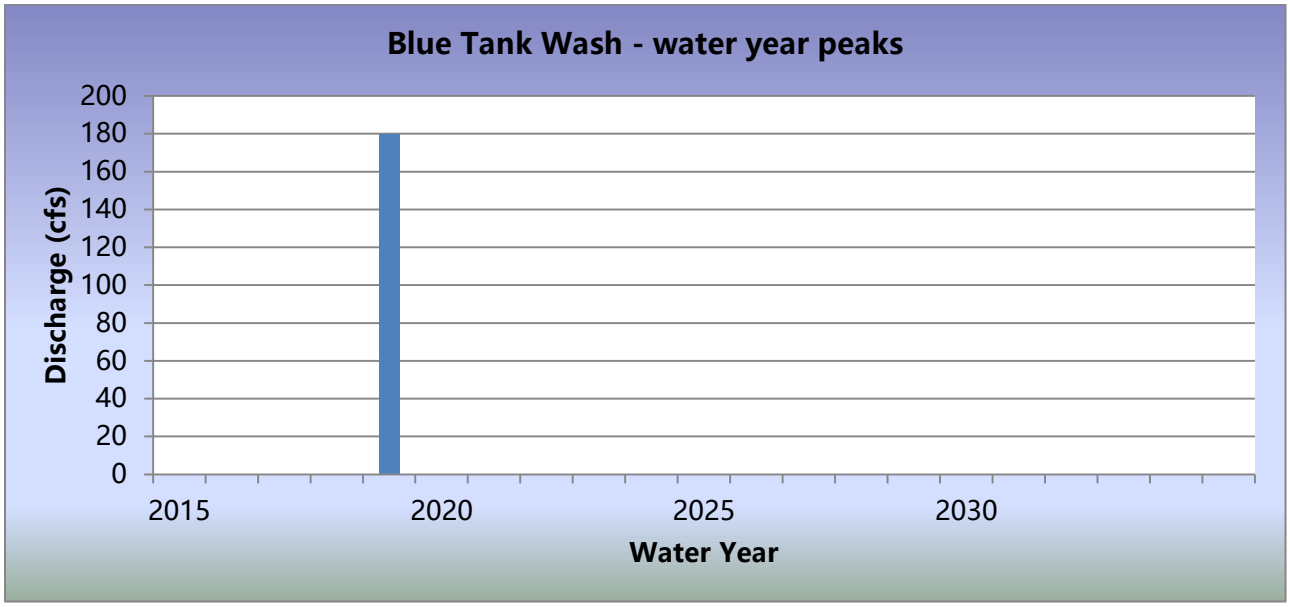


Site Data

LOCATION	Located northeast of Wickenburg near Blue Tank Road crossing
DRAINAGE AREA	9.3 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S29 T8N R4W
LATITUDE	N 34° 0’ 27.1" | +34.00753
LONGITUDE	W 112° 41' 47.8" | -112.69660
STREAMGAGE INSTALLATION DATE	05/29/2019 - WY 2019
AVAILABLE PERIOD OF RECORD (POR)	05/29/2019 – Current
LENGTH OF AVAILABLE POR DATA	0.34 Years | 125 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.10 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	2,436.284 feet NAVD88
POINT OF ZERO FLOW	0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	180 cfs | 1.20 feet GH | 09/25/2019

Location Map

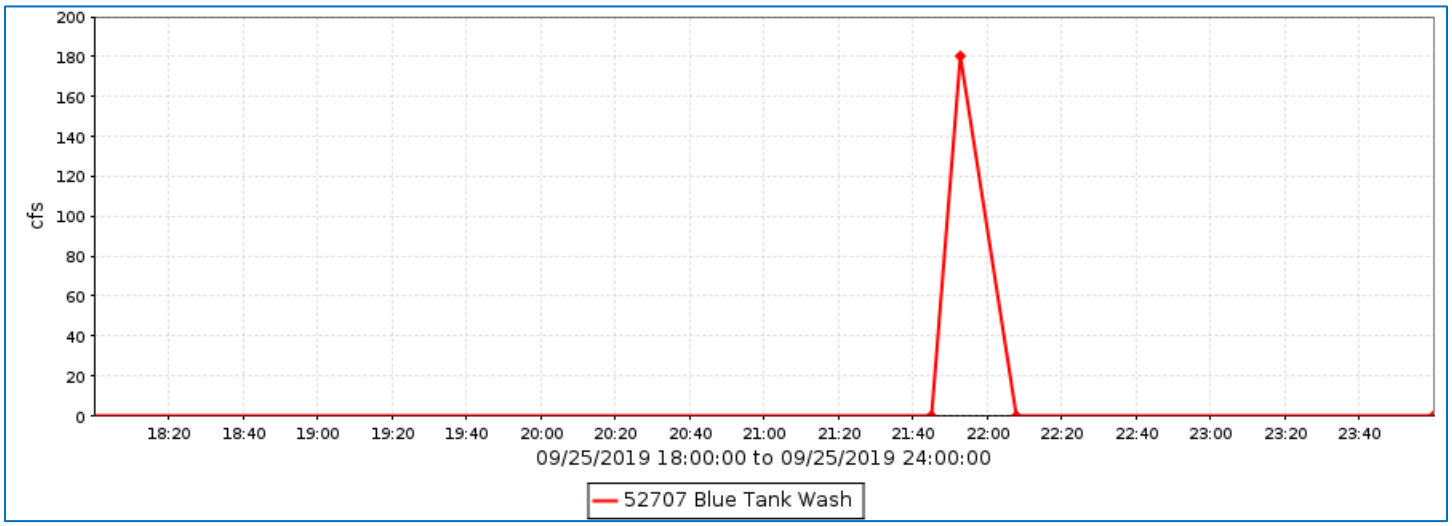




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
09/25/2019	1.20	180

Hydrograph of peak WY 2019 flow event, 09/25/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Blue Tank Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---				
2	---	---	---	---	---	---	---	---				
3	---	---	---	---	---	---	---	---				
4	---	---	---	---	---	---	---	---				
5	---	---	---	---	---	---	---	---				
6	---	---	---	---	---	---	---	---				
7	---	---	---	---	---	---	---	---				
8	---	---	---	---	---	---	---	---				
9	---	---	---	---	---	---	---	---				
10	---	---	---	---	---	---	---	---				
11	---	---	---	---	---	---	---	---				
12	---	---	---	---	---	---	---	---				
13	---	---	---	---	---	---	---	---				
14	---	---	---	---	---	---	---	---	---			
15	---	---	---	---	---	---	---	---	---			
16	---	---	---	---	---	---	---	---	---			
17	---	---	---	---	---	---	---	---				
18	---	---	---	---	---	---	---	---				
19	---	---	---	---	---	---	---	---				
20	---	---	---	---	---	---	---	---				
21	---	---	---	---	---	---	---	---				
22	---	---	---	---	---	---	---	---				
23	---	---	---	---	---	---	---	---				
24	---	---	---	---	---	---	---	---				
25	---	---	---	---	---	---	---	---				2
26	---	---	---	---	---	---	---	---				
27	---	---	---	---	---	---	---	---				
28	---	---	---	---	---	---	---	---				
29	---	---	---	---	---	---	---					
30	---	---	---	---	---	---	---					
31	---	---	---	---	---	---	---		---			---
TOTAL	---	---	---	---	---	---	---	0	0	0	0	2
MEAN	---	---	---	---	---	---	---	0	0	0	0	0
MAX	---	---	---	---	---	---	---	0	0	0	0	180
MIN	---	---	---	---	---	---	---	0	0	0	0	0
AC_FT	---	---	---	---	---	---	---	0	0	0	0	4

WTR YR 2019 TOTAL 2 MEAN 0 MAX 180 MIN 0 AC_FT 4

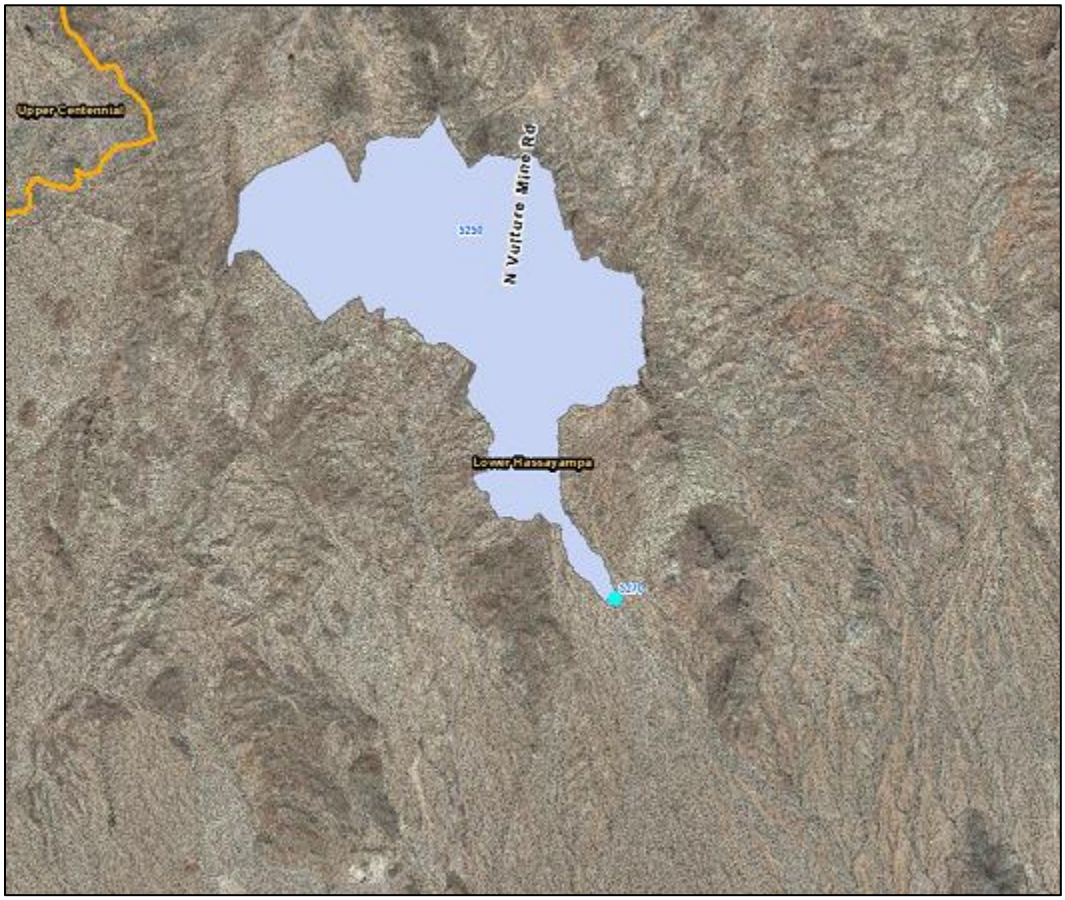
Box Wash, ID #5273

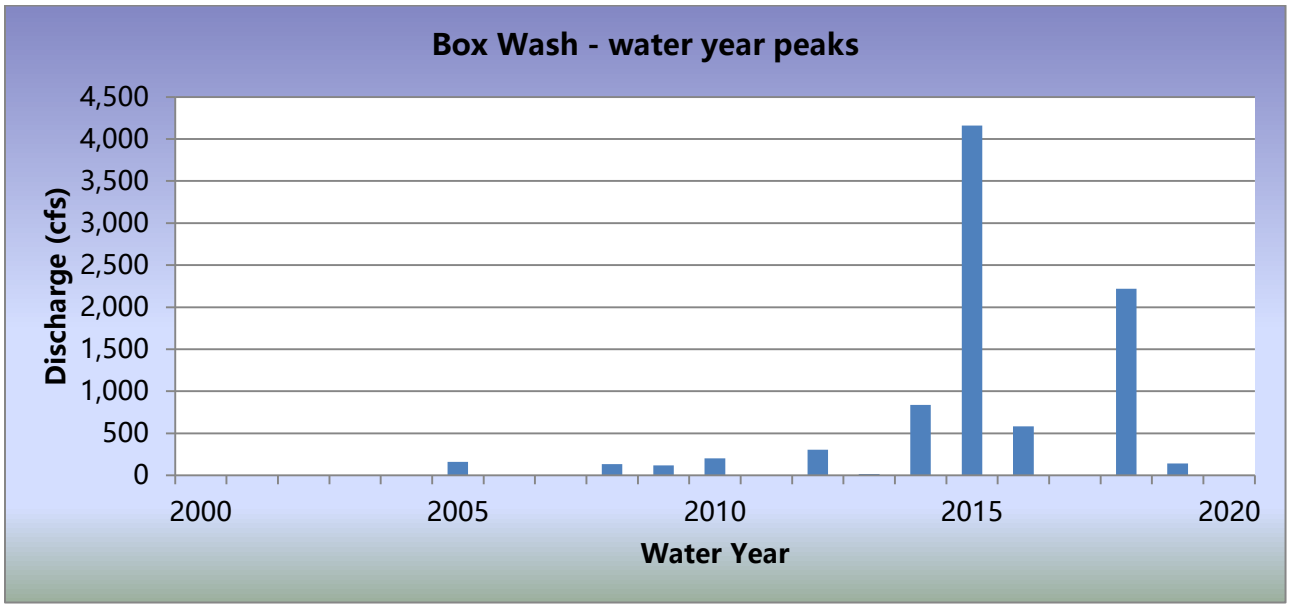


Site Data

LOCATION	Located about 3 miles northwest of Vulture Mine
DRAINAGE AREA	5.9 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S20 T6N R5W
LATITUDE	N 33° 50' 57.4" | +33.84927
LONGITUDE	W 112° 47' 56.8" | -112.79911
STREAMGAGE INSTALLATION DATE	03/11/2003 - WY 2003
AVAILABLE PERIOD OF RECORD (POR)	03/11/2003 – Current
LENGTH OF AVAILABLE POR DATA	16.56 Years | 6,048 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,255.00 feet NAVD88
POINT OF ZERO FLOW	-0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	4,160 cfs | 5.65 feet | 07/18/2015

Watershed Map

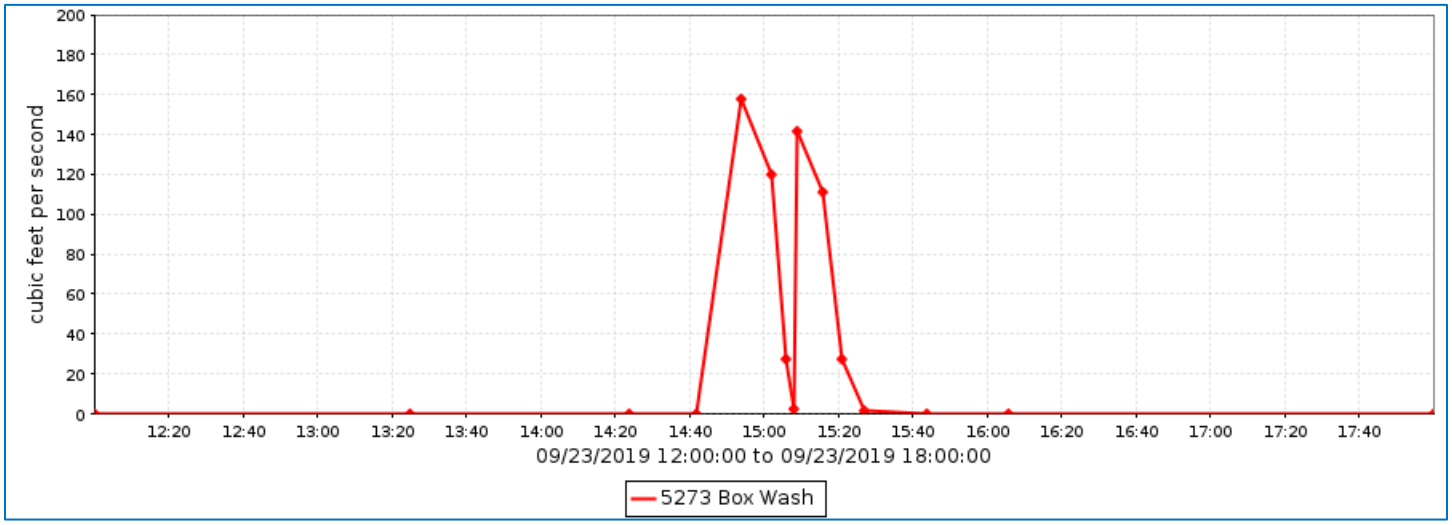




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/13/2018	0.63	66
09/23/2019	0.79	141

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=17, HEC-WRC computation (based on 17 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
59	**654**	**2,030**	**4,870**	**12,200**	**21,700**

NOTE: These results are based on very limited data.

Box Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11									15			
12											---	
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												2
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	15	0	0	2
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	66	0	0	0	0	0	0	0	120	0	0	158
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1	0	0	0	0	0	0	0	29	0	0	5

WTR YR 2019 TOTAL 18 MEAN 0 MAX 158 MIN 0 AC_FT 35

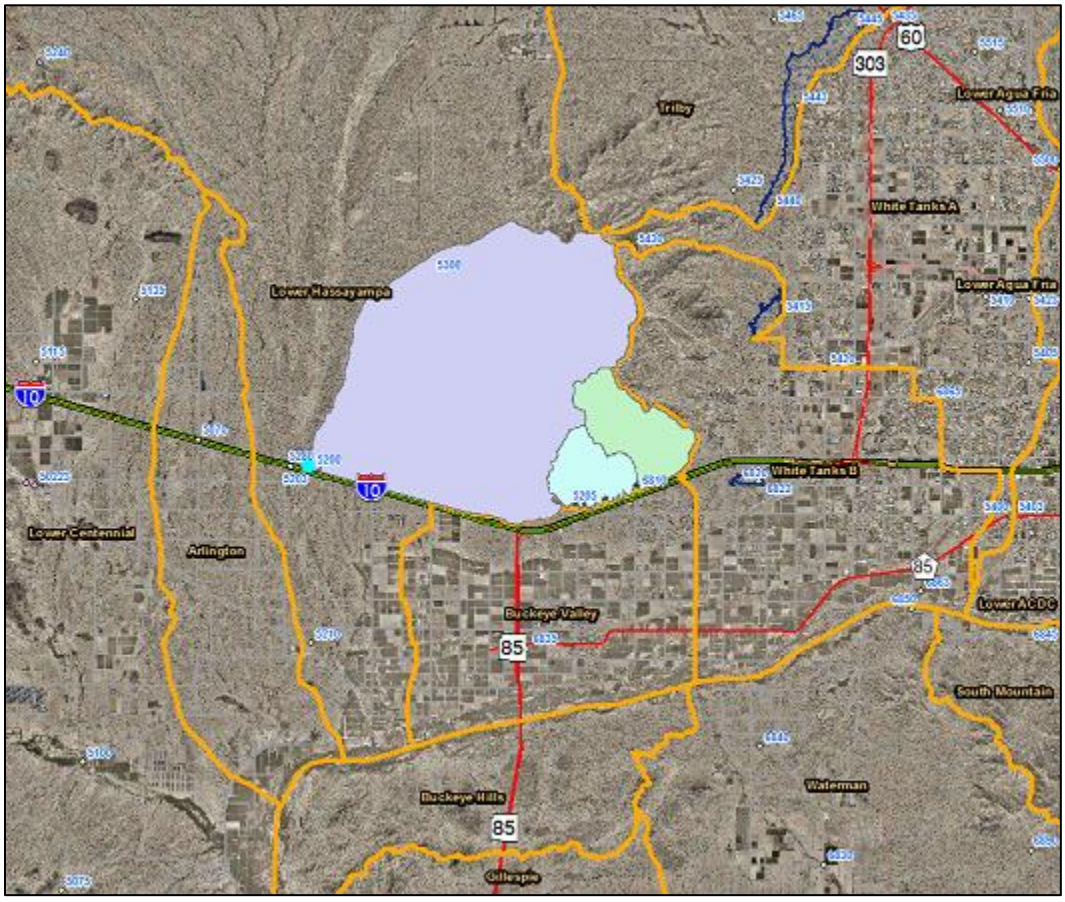
Buckeye FRS #1, ID #5203

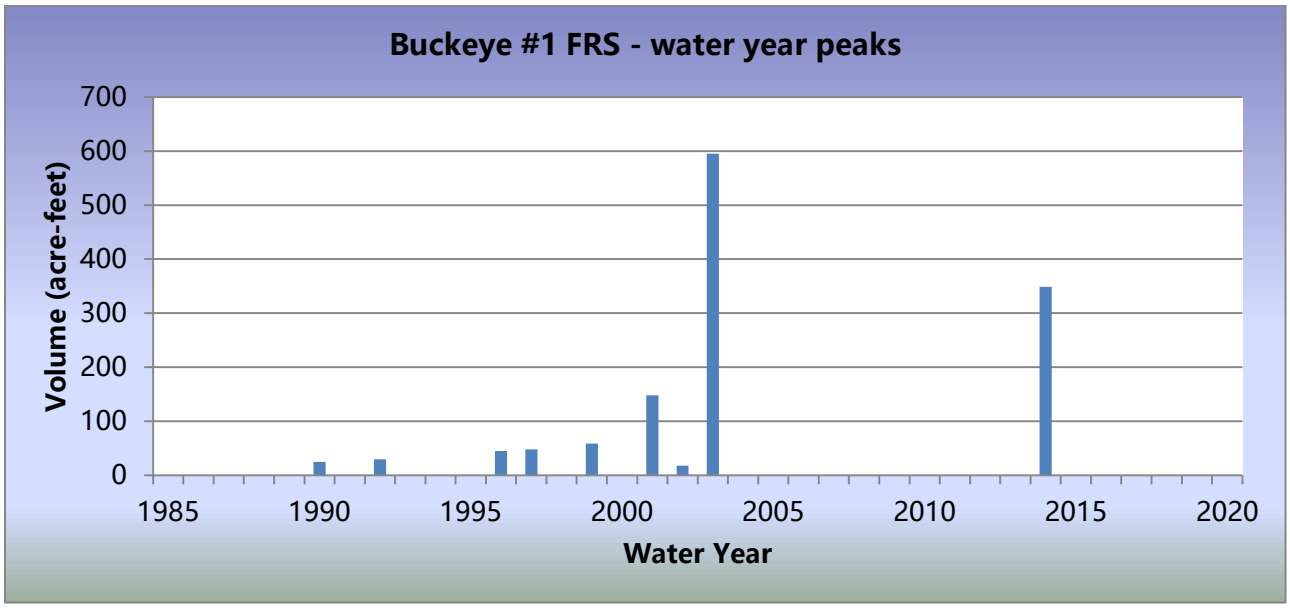


Site Data

LOCATION	Located near I-10 and the Hassayampa River
DRAINAGE AREA	74 mi^2 Excluding structures 2 and 3
STREAM TYPE	Dam of natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassyampa
SECTION/TOWNSHIP/RANGE	S03 T1N R5W
LATITUDE	N 33° 27' 27.9" | +33.45775
LONGITUDE	W 112° 44' 59.9" | -112.74998
STREAMGAGE INSTALLATION DATE	07/26/1983 - WY 1983
AVAILABLE PERIOD OF RECORD (POR)	11/23/1987 - Current
LENGTH OF AVAILABLE POR DATA	31.85 Years | 11,635 Days
DATA GAPS IN POR	01/21/2010 - 03/01/2010
STAGE GAGE ELEVATION	Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,062.00 feet NAVD88
POINT OF ZERO FLOW (UNCONTROLLED OUTLET)	0.00 feet Gage Height
SPILLWAY ELEVATION	18.7 feet Gage Height
TOP OF DAM ELEVATION	27.5 feet Gage Height

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
No Impoundments			

Hydrograph of peak WY 2019 impoundment event

There was no impoundment recorded during Water Year 2019.

Buckeye FRS #1, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---							
2										---		
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18								---				
19								---				
20												
21												
22												
23												
24												
25												
26												3
27												
28												---
29					---							---
30			---	---	---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	3
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	7
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	6

WTR YR 2019 TOTAL 3 MEAN 0 MAX 7 MIN 0 AC_FT 6

Buckeye FRS #1, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---							
2										---		
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18								---				
19								---				
20												
21												
22												
23												
24												
25												
26												1
27												
28												---
29					---							---
30			---	---	---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	3
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 3 MIN 0

Buckeye FRS #1, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	---	0.5	0.5
3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
11	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
12	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
13	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
14	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
16	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.5	0.5	0.5	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5
19	0.5	0.5	0.5	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
22	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
23	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
26	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
27	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	---
29	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	---
30	0.5	0.5	---	---	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5
31	0.5	---	0.5	0.5	---	0.5	---	0.5	---	0.5	0.5	---
MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MAX	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
MIN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

WTR YR 2019 MEAN 0.49 MAX 0.93 MIN 0.49

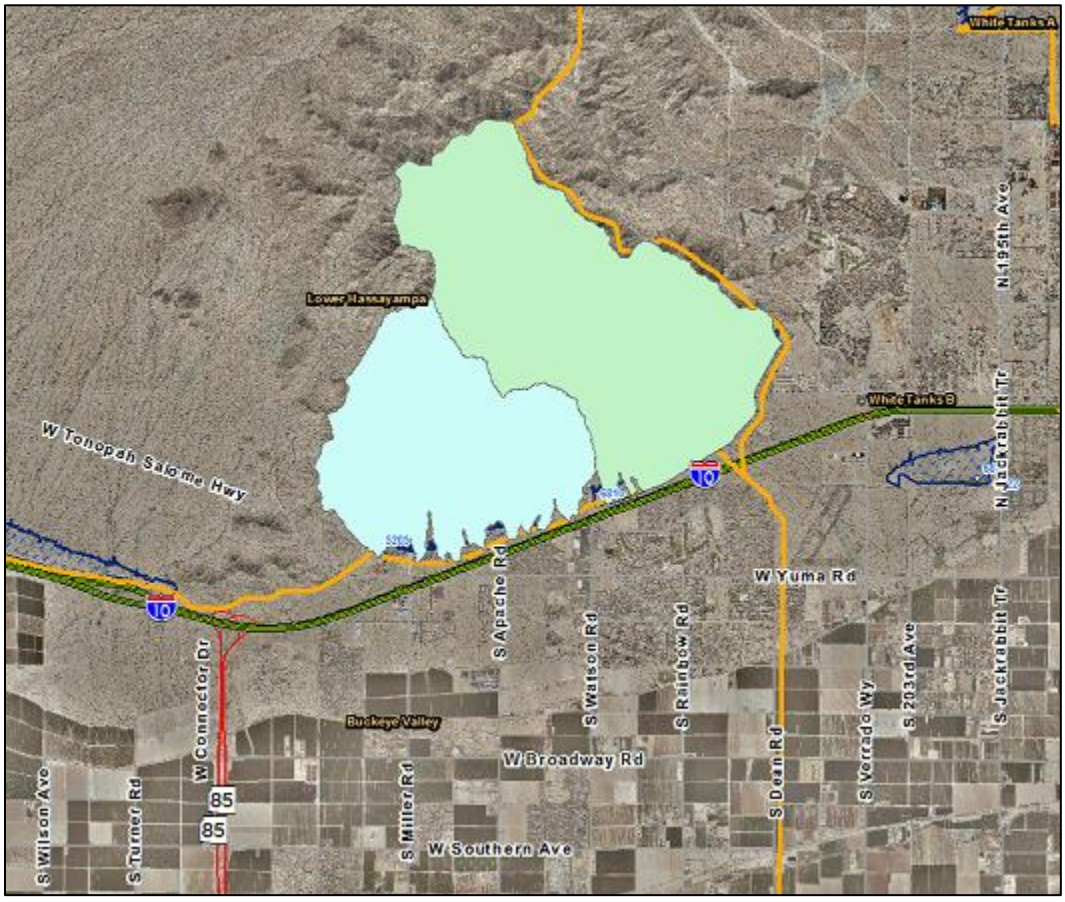
Buckeye FRS #2, ID #5208

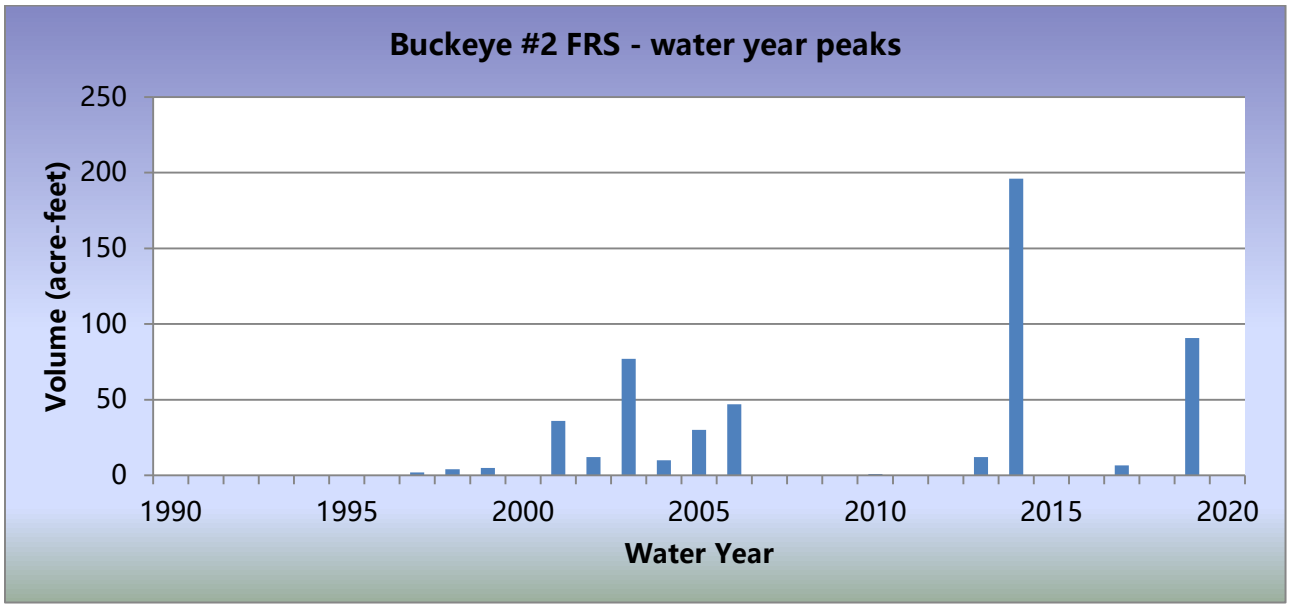


Site Data

LOCATION	Located north of I-10 near Miller Road
DRAINAGE AREA	5.7 mi^2 Excluding structure 3
STREAM TYPE	Dam of natural drainage
JURISDICTION	Buckeye, Arizona
WATERSHED	Lower Hassyampa
SECTION/TOWNSHIP/RANGE	S07 T1N R3W
LATITUDE	N 33° 26' 22.3" | +33.43954
LONGITUDE	W 112° 35' 47.4" | -112.59650
STREAMGAGE INSTALLATION DATE	11/11/1992 - WY 1993
AVAILABLE PERIOD OF RECORD (POR)	11/11/1992 - Current
LENGTH OF AVAILABLE POR DATA	26.89 Years | 9,820 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-1.39 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,098.17 feet NAVD88
POINT OF ZERO FLOW	-1.54 feet Gage Height
SPILLWAY ELEVATION	15.0 feet Gage Height
TOP OF DAM ELEVATION	20.43 feet Gage Height

Watershed Map

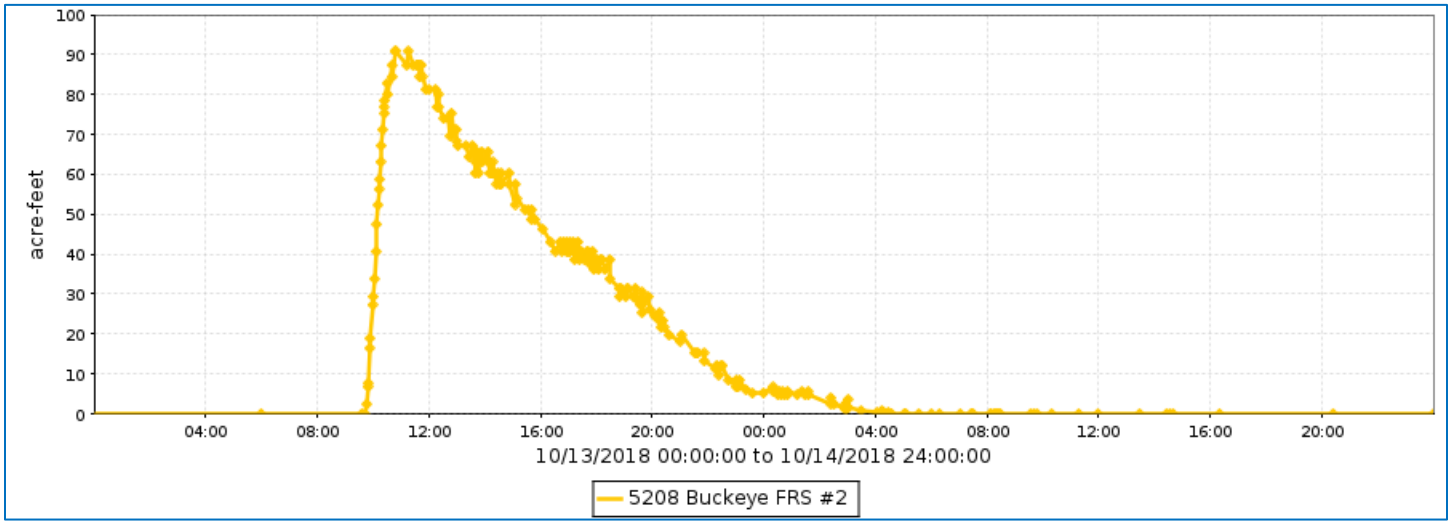




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/07/2018	0.71	2.7	0.3
10/13/2018	4.82	90.8	10.0
09/16/2019	1.74	14.1	1.6
09/23/2019	-0.14	0.0	0.0

Hydrograph of peak WY 2019 impoundment event, 10/13/2018



Buckeye FRS #2, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7	1											
8												
9												
10												
11												
12												
13	51											
14	10											
15												
16												3
17												
18												
19												
20												
21												
22												
23												
24												3
25												
26												2
27												1
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	62	0	0	0	0	0	0	0	0	0	0	9
MEAN	2	0	0	0	0	0	0	0	0	0	0	0
MAX	126	0	0	0	0	0	0	0	1	0	0	53
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	123	0	0	0	0	0	0	0	1	0	0	19

WTR YR 2019 TOTAL 72 MEAN 0 MAX 126 MIN 0 AC_FT 143

Buckeye FRS #2, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	26											
14	1											
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	91	0	0	0	0	0	0	0	0	0	0	14
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 91 MIN 0

Buckeye FRS #2, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
2	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
3	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
5	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
6	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
7	-1.3	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
8	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
9	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
10	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
11	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
12	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
13	1.2	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
14	-0.3	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
15	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
16	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.1
17	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
18	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
19	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
20	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
21	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
22	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
23	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
24	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-0.9
25	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
26	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.0
27	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3
28	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
29	-1.4	-1.4	-1.4	-1.4	---	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
30	-1.4	-1.4	-1.4	-1.4	---	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
31	-1.4	---	-1.4	-1.4	---	-1.4	---	-1.4	---	-1.4	-1.4	---
MEAN	-1.3	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3
MAX	4.8	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3	-1.4	-1.4	1.7
MIN	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4

WTR YR 2019 MEAN -1.38 MAX 4.82 MIN -1.39

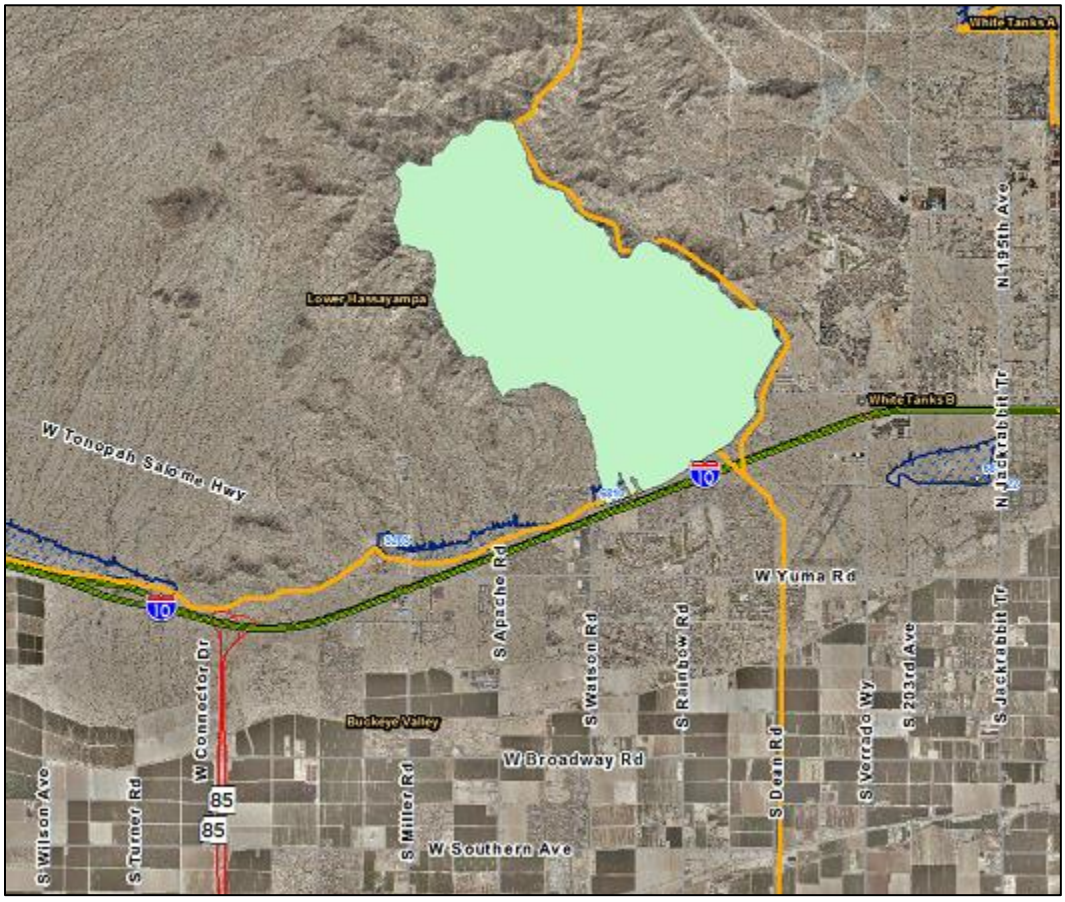
Buckeye FRS #3, ID #6813

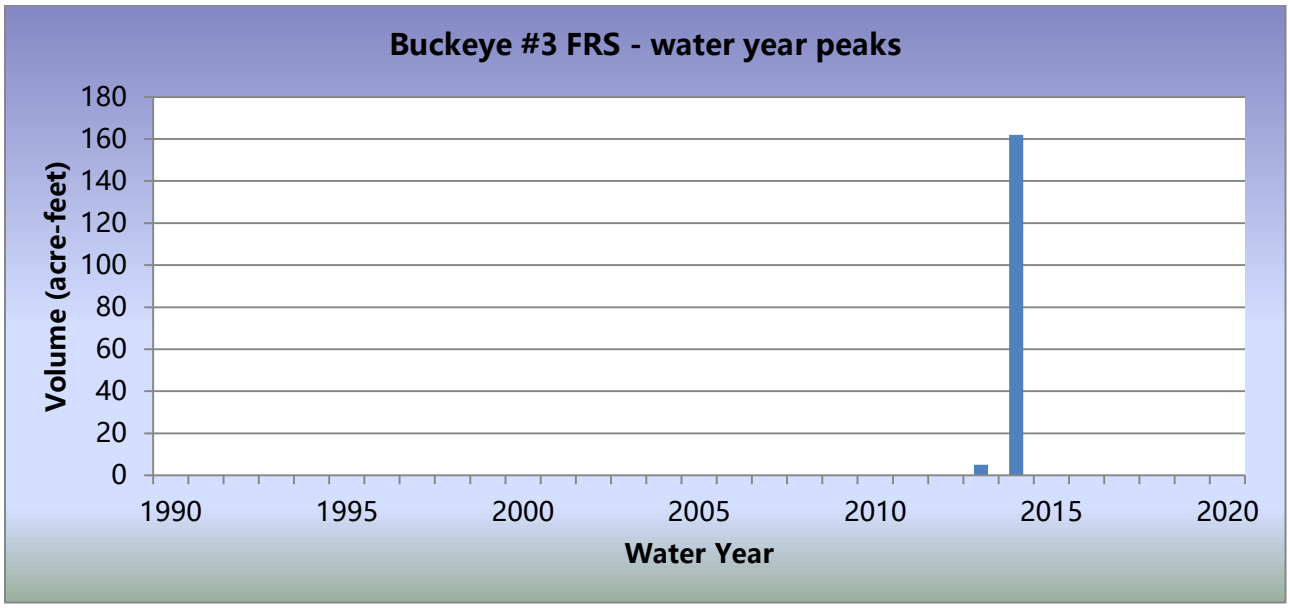


Site Data

LOCATION	Located north of I-10 near Watson Road
DRAINAGE AREA	9.3 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Buckeye, Arizona
WATERSHED	Lower Hassyampa
SECTION/TOWNSHIP/RANGE	S10 T1N R3W
LATITUDE	N 33° 26' 49.5" | +33.44707
LONGITUDE	W 112° 33' 21.4" | -112.55593
STREAMGAGE INSTALLATION DATE	11/23/1992 - WY 1993
AVAILABLE PERIOD OF RECORD (POR)	11/23/1992 - Current
LENGTH OF AVAILABLE POR DATA	26.85 Years | 9,808 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-4.08 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,151.03 Feet NAVD88
POINT OF ZERO FLOW	-4.18 feet Gage Height
SPILLWAY ELEVATION	14.00 feet Gage Height
TOP OF DAM ELEVATION	20.30 feet Gage Height

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/13/2018	-0.16	0.0	0.0

Hydrograph of peak WY 2019 impoundment event,

No meaningful hydrograph available.

Buckeye FRS #3, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	1											
14	1											
15												
16												
17												
18												
19												
20												
21							---					
22							---					
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	2	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	3	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 2 MEAN 0 MAX 2 MIN 0 AC_FT 3

Buckeye FRS #3, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21							---					
22							---					
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 0 MIN 0

Buckeye FRS #3, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
2	-4.0	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
3	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
4	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
5	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
6	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
7	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
8	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
10	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
11	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
12	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
13	-2.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
14	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
15	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
16	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
17	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
18	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
19	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
20	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
21	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	---	-4.1	-4.1	-4.1	-4.1	-4.1
22	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	---	-4.1	-4.1	-4.1	-4.1	-4.1
23	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
24	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
25	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
26	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
27	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
28	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
29	-4.1	-4.1	-4.1	-4.1	---	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
30	-4.1	-4.1	-4.1	-4.1	---	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
31	-4.1	---	-4.1	-4.1	---	-4.1	---	-4.1	---	-4.1	-4.1	---
MEAN	-4.0	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
MAX	-0.2	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
MIN	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1

WTR YR 2019 MEAN -4.08 MAX -0.16 MIN -4.08

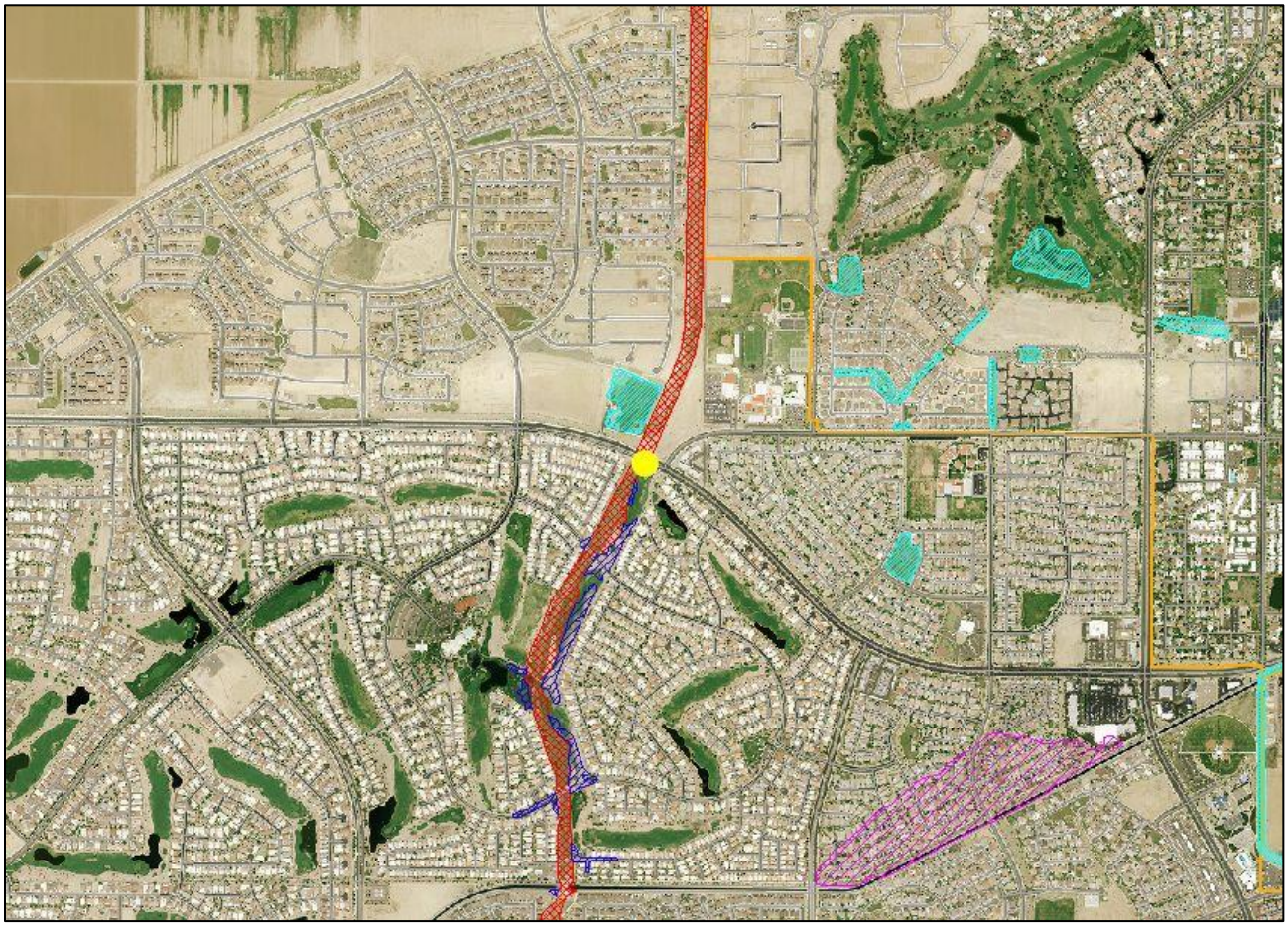
Bullard Wash at Indian School Road, ID #6868

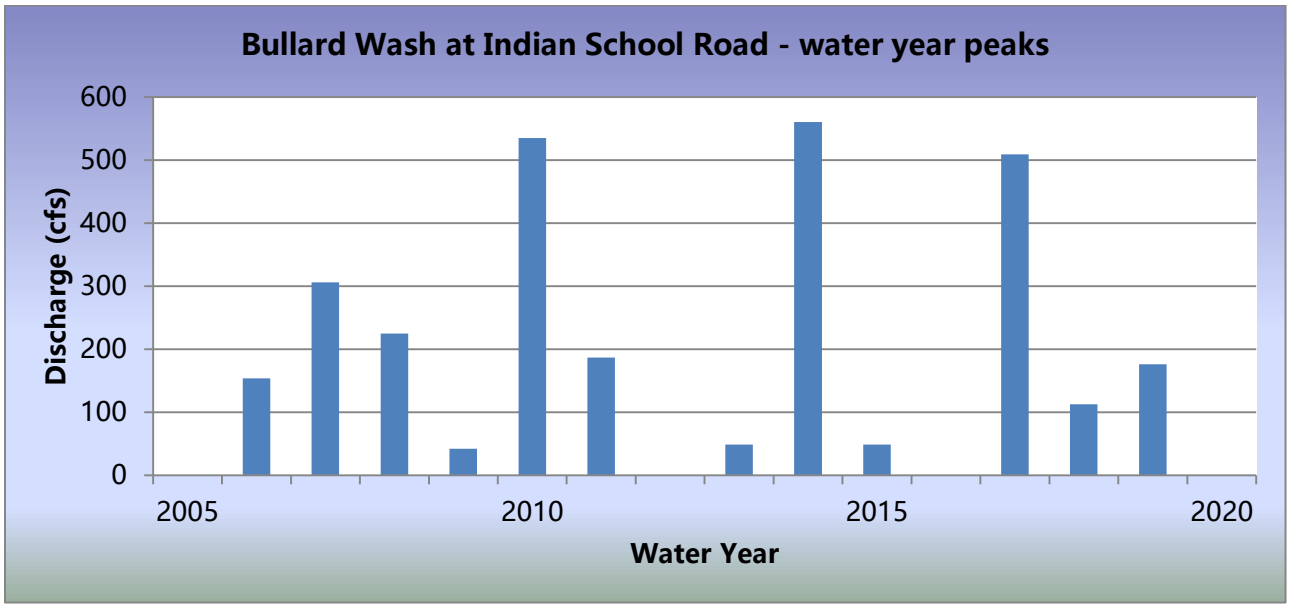


Site Data

LOCATION	Located near Indian School Road and Wigwam Boulevard
DRAINAGE AREA	14.6 mi^2
STREAM TYPE	Channelized natural stream
JURISDICTION	Goodyear, Arizona
WATERSHED	White Tanks A
SECTION/TOWNSHIP/RANGE	S29 T2N R1W
LATITUDE	N 33° 29' 32.7" | +33.49242
LONGITUDE	W 112° 22' 54.1" | -112.38168
STREAMGAGE INSTALLATION DATE	06/27/2006 - WY 2006
AVAILABLE PERIOD OF RECORD (POR)	06/27/2006 - Current
LENGTH OF AVAILABLE POR DATA	13.26 Years | 4,844 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,017.55 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	560 cfs | 2.68 feet | 09/27/2014

Location Map

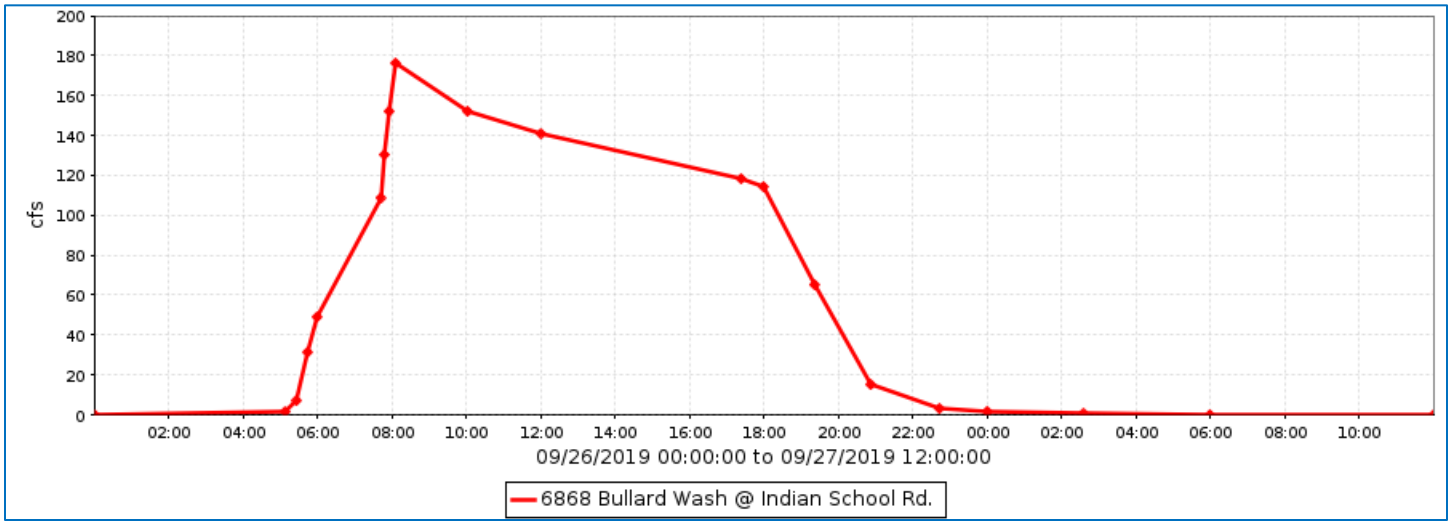




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
02/22/2019	1.22	113
03/11/2019	1.30	128
09/24/2019	1.93	135
09/26/2019	2.11	176

Hydrograph of peak WY 2019 flow event, 09/26/2019



Flood Flow Frequency

Flood Flow Frequency N=14, HEC-WRC computation (based on 14 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
115	**386**	**685**	**1,070**	**1,710**	**2,290**

Bullard Wash at Indian School Road, ID #6868

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						4			1			
2						3			1			
3						2						
4						1						
5						1						
6						1						
7												
8												
9												
10												
11						69						
12						---						
13						32						
14						16						
15						12						
16						8					1	
17						6					1	
18						4					1	
19						3					1	
20						2						
21					32	1						
22					76	1						
23					34	1		1				
24					19	1						76
25					9	1						1
26					7	1						79
27					5	1						
28					4	1						
29					---	1						
30					---	1						
31		---			---	1	---		---			---
TOTAL	0	0	0	0	187	207	0	2	2	0	4	157
MEAN	0	0	0	0	7	7	0	0	0	0	0	5
MAX	0	0	0	0	113	128	1	2	2	0	15	176
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	371	410	1	4	4	0	8	311

WTR YR 2019 TOTAL 559 MEAN 2 MAX 176 MIN 0 AC_FT 1110

Bullard Wash at Van Buren Street, ID #89207

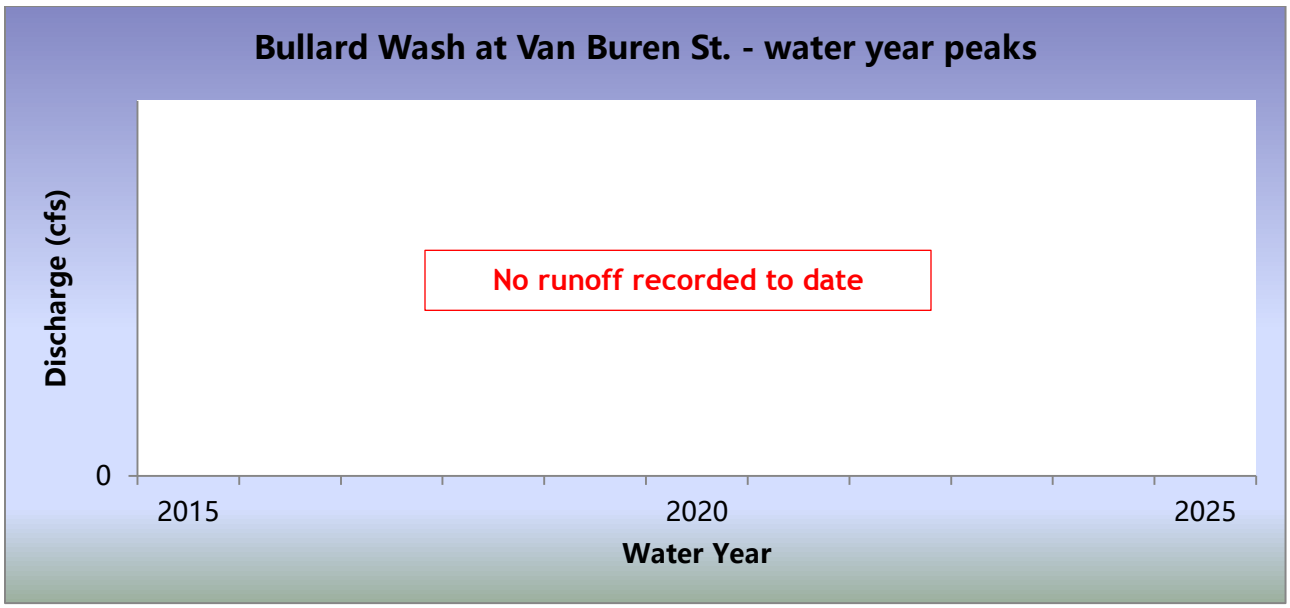


Site Data

LOCATION	Located on Bullard Wash at Van Buren St.
DRAINAGE AREA	88.3 mi^2
STREAM TYPE	Channelized natural stream
JURISDICTION	Goodyear, Arizona
WATERSHED	White Tanks B
SECTION/TOWNSHIP/RANGE	S05 T1N R1W
LATITUDE	N 33° 27' 0.4" | +33.4501
LONGITUDE	W 112° 22' 58.0" | -112.38279
STREAMGAGE INSTALLATION DATE	12/13/2017 - WY 2018
AVAILABLE PERIOD OF RECORD (POR)	12/13/2017 - Current
LENGTH OF AVAILABLE POR DATA	1.80 Years | 657 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.40 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	973.55 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	None recorded to date

Location Map





WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
None		

Hydrograph of peak WY 2019 flow event,

No runoff recorded during Water Year 2019.

Flood Flow Frequency

There are not enough data to compute Flood Frequency.

Bullard Wash at Van Buren Street, ID #89207

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 1 MIN 0 AC_FT 0

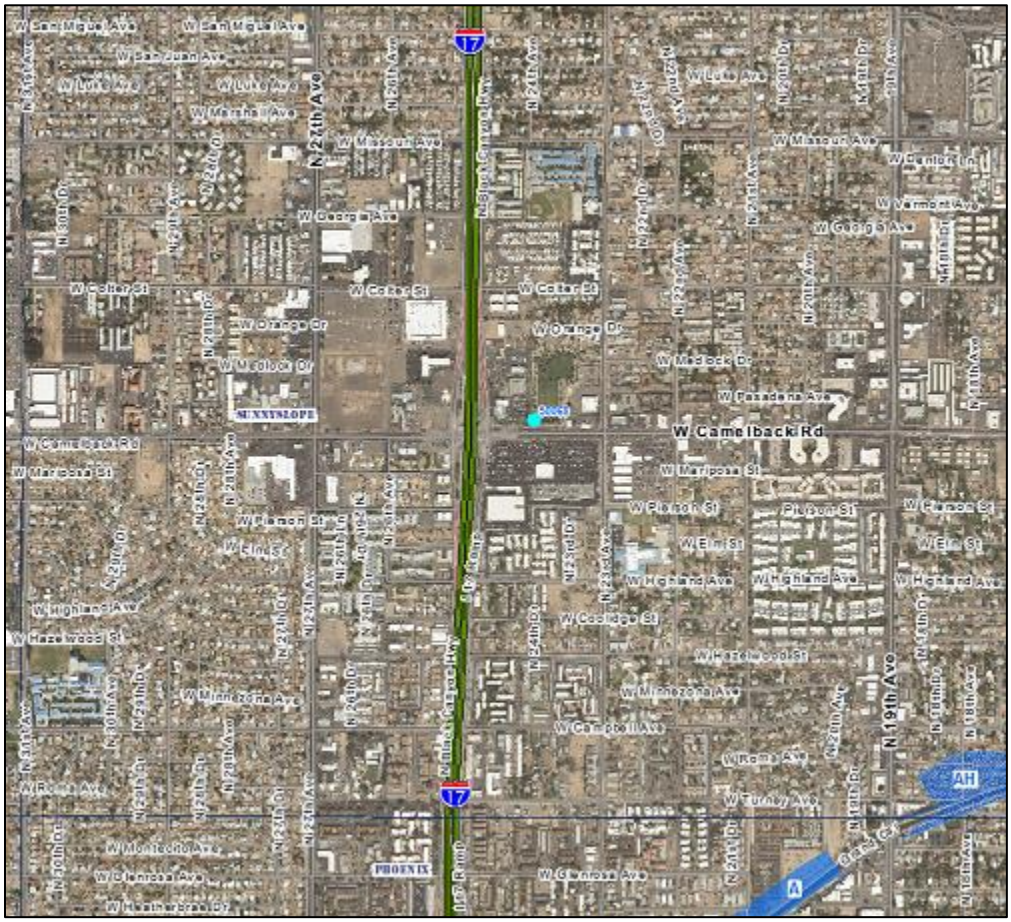
Camelback Road at 24th Avenue Basin, ID #6807

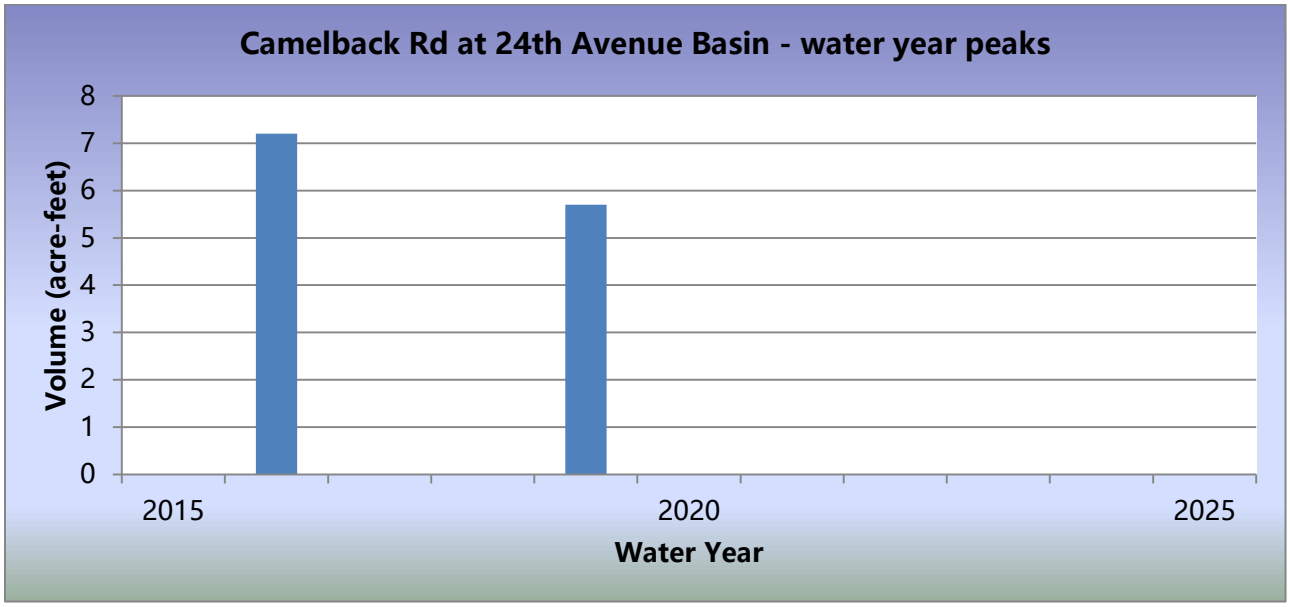


Site Data

LOCATION	Near Camelback Rd and 24th Ave
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC
SECTION/TOWNSHIP/RANGE	S13 T2N R2E
LATITUDE	N 33° 30' 35.5" | +33.50986
LONGITUDE	W 112° 06' 37.8" | -112.11050
STREAMGAGE INSTALLATION DATE	10/01/2015 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	10/01/2015 - Current
LENGTH OF AVAILABLE POR DATA	4.00 Years | 1,461 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	6.4 feet Gage Height

Location Map

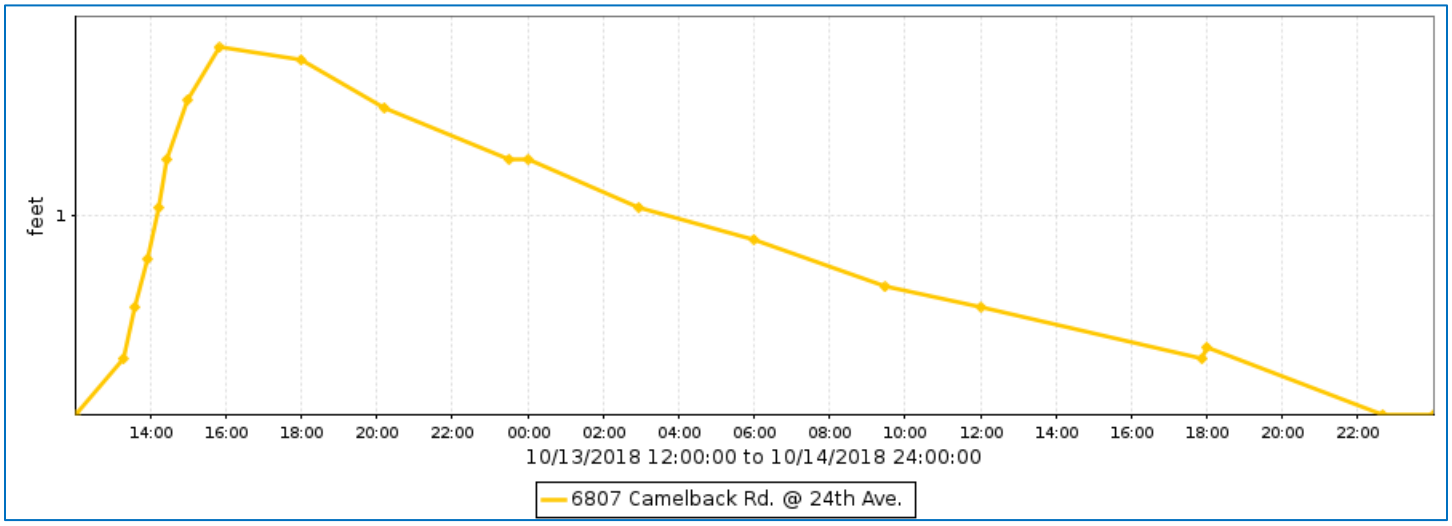




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	0.44	0.0	0.0
10/13/2018	1.42	5.7	21.9

Hydrograph of peak WY 2019 impoundment event, 10/13/2018



Camelback Road at 24th Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Camelback Road at 24th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	2											
14	3											
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	6	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 6 MIN 0

Camelback Road at 24th Avenue Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
11	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
12	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
13	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
14	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
16	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
19	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
22	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
23	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
26	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
27	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5
31	0.5	---	0.5	0.5	---	0.5	---	0.5	---	0.5	0.5	---
MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MAX	1.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MIN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

WTR YR 2019 MEAN 0.50 MAX 1.42 MIN 0.50

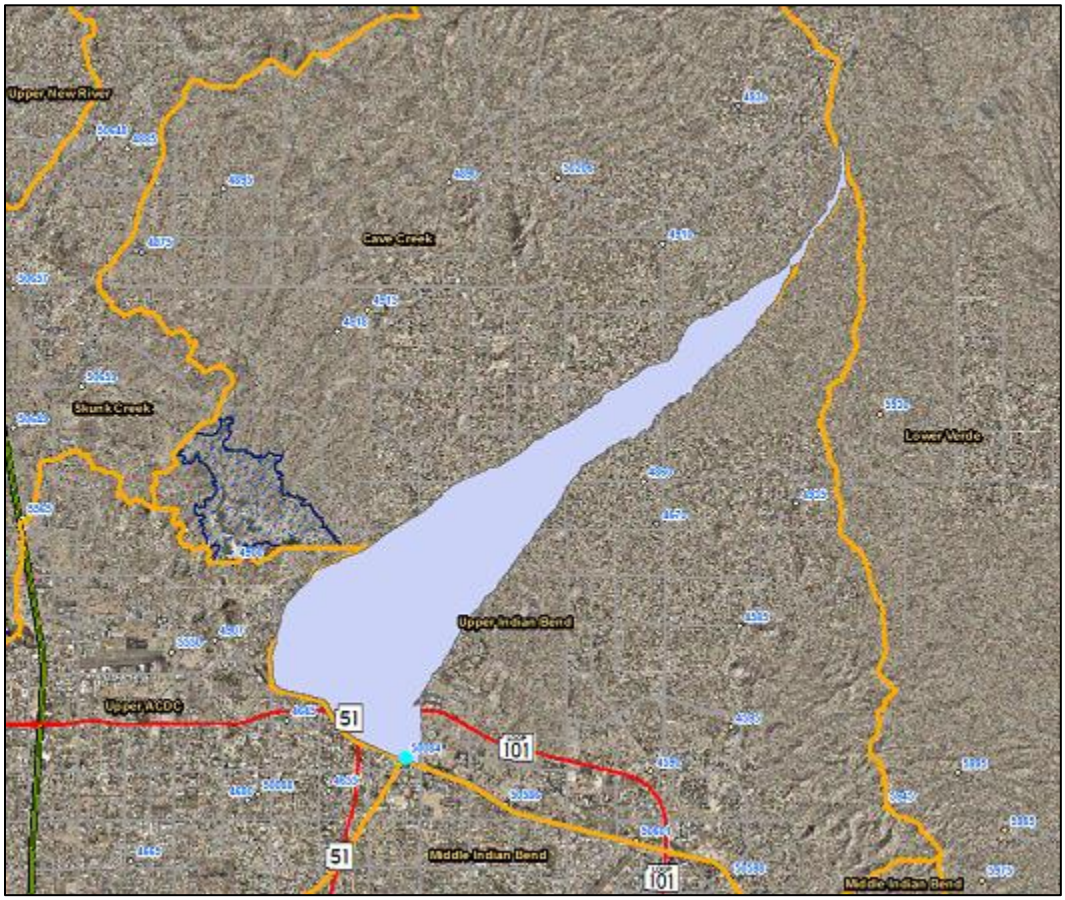
CAP Reach #11 Dike #1, ID #8407

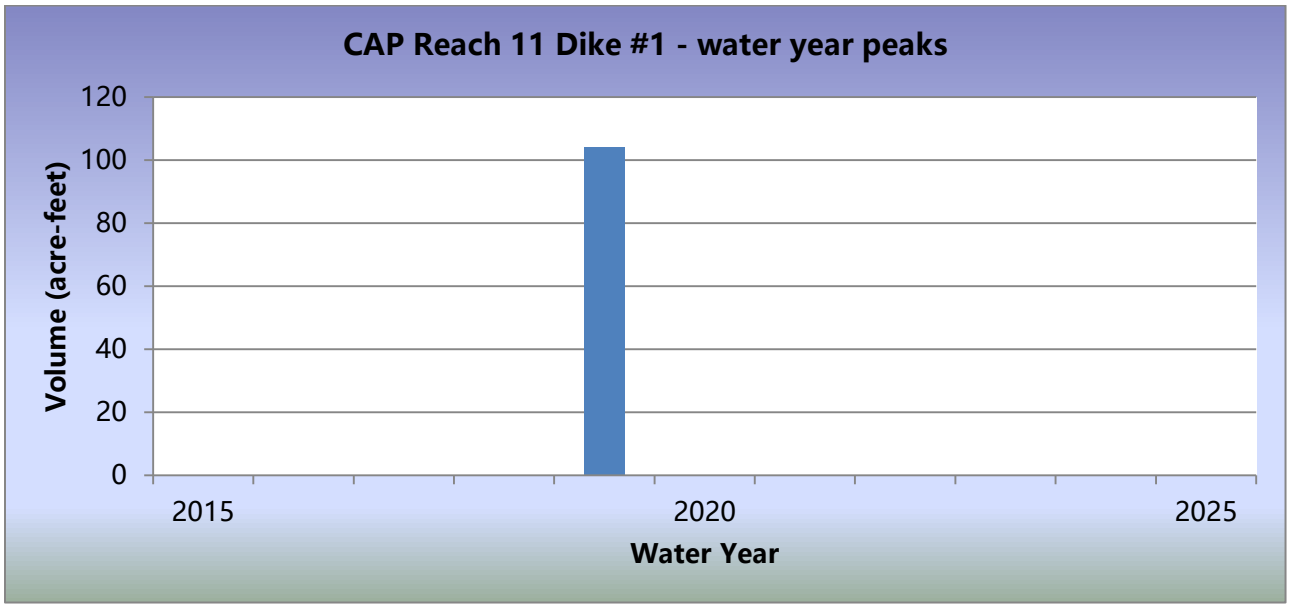


Site Data

LOCATION	Located on the CAP dike, about ½ mile west of Tatum Blvd.
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control dike
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S30 T4N R4E
LATITUDE	N 33° 39' 32.0" | +33.65890
LONGITUDE	W 111° 58' 58.5" | -111.98293
STREAMGAGE INSTALLATION DATE	07/19/2016 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	07/19/2016 - Current
LENGTH OF AVAILABLE POR DATA	3.20 Years | 1,169 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,526.00 feet NAVD88
POINT OF ZERO FLOW	2.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	32.0 feet Gage Height

Watershed Map

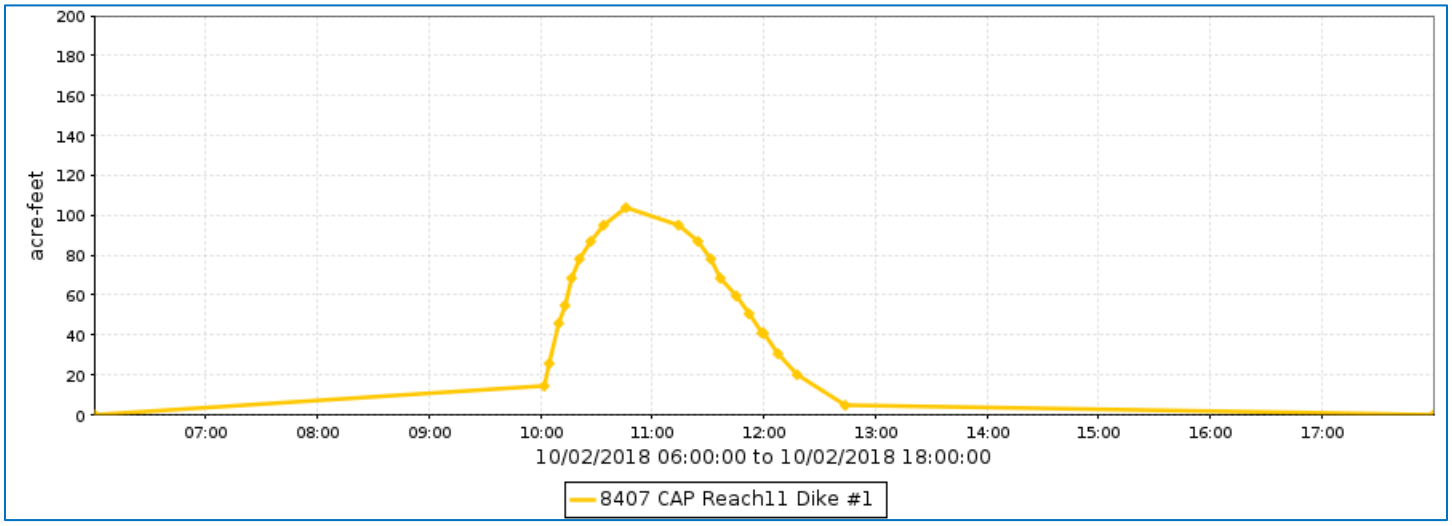




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	1.06	103.5	0.6

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



CAP Reach 11 Dike #1, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20			---									
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

CAP Reach 11 Dike #1, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	12											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20			---									
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	104	0	0	14	0	0	0	14	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 104 MIN 0

CAP Reach 11 Dike #1, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2019 MEAN 0.00 MAX 1.06 MIN 0.00

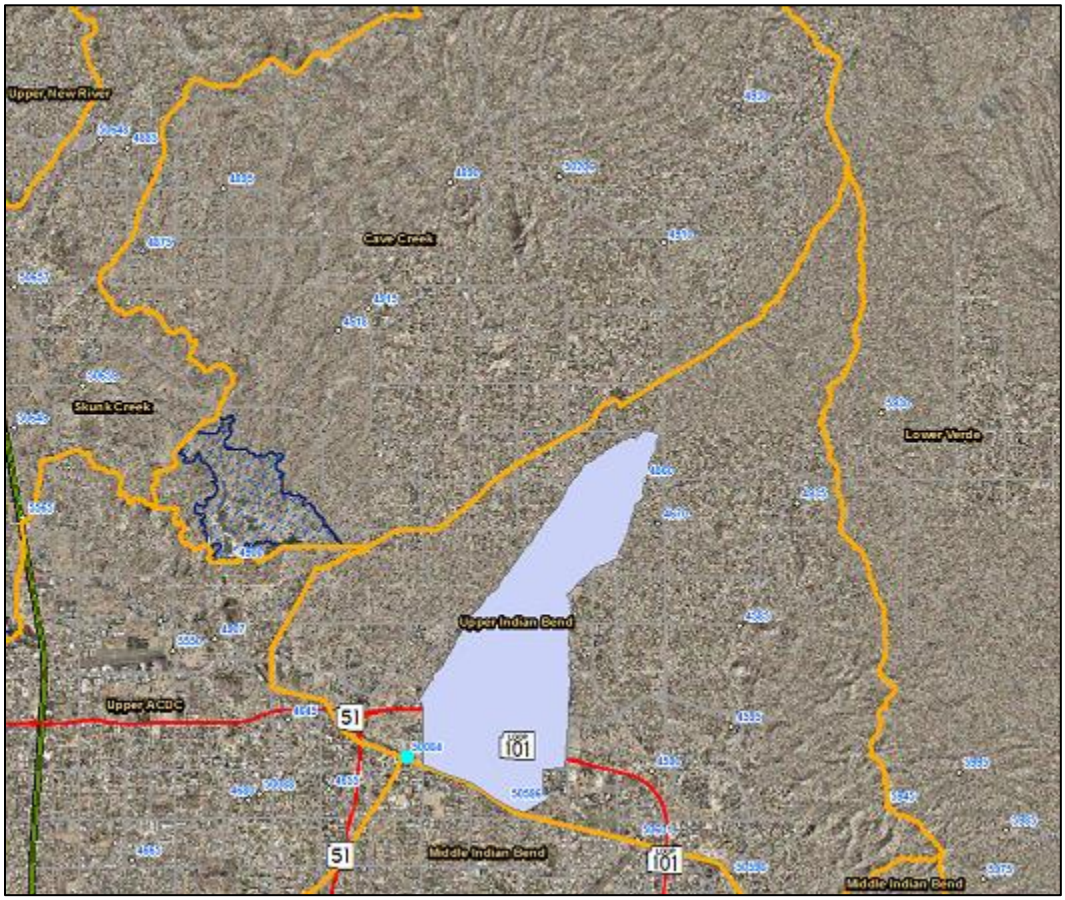
CAP Reach #11, Dike #2, ID #58607

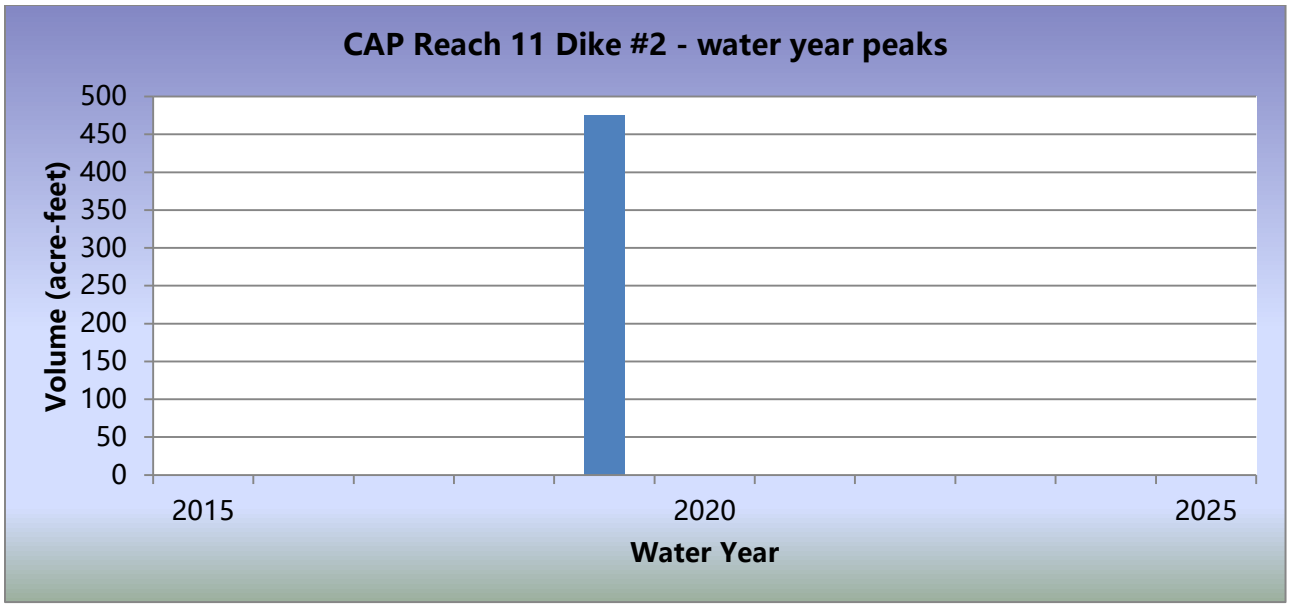


Site Data

LOCATION	Near the 60th Street alignment with the CAP canal.
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control dike
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S33 T4N R4E
LATITUDE	N 33° 38' 41.9" | +33.64498
LONGITUDE	W 111° 56' 50.0" | -111.94721
STREAMGAGE INSTALLATION DATE	07/19/2016 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	07/19/2016 - Current
LENGTH OF AVAILABLE POR DATA	3.20 Years | 1,169Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,520.50 feet NAVD88
POINT OF ZERO FLOW	2.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	32.0 feet Gage Height

Watershed Map

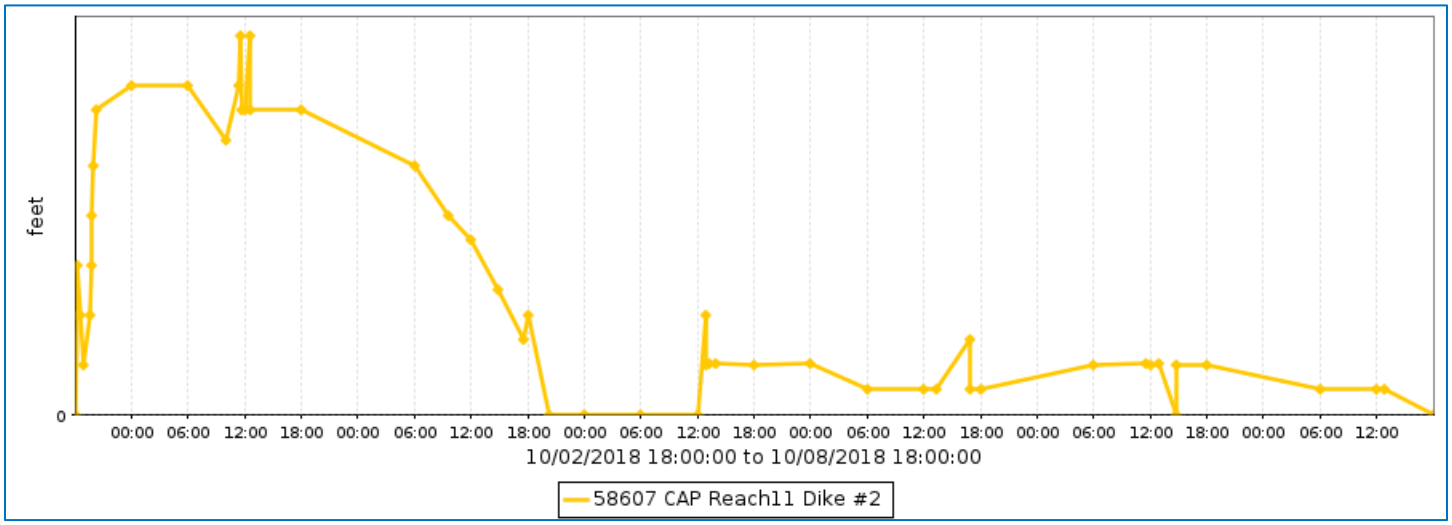




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/03/2018	0.76	475.3	3.5

Hydrograph of peak WY 2019 impoundment event, 10/03/2018



CAP Reach 11 Dike #2, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	3											
3	16											
4	8											
5	1											
6	1											
7	1											
8	1											
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	30	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	21	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	60	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 30 MEAN 0 MAX 21 MIN 0 AC_FT 60

CAP Reach 11 Dike #2, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	110											
3	470											
4	387											
5	198											
6	414											
7	421											
8	311											
9												
10												
11												
12												
13	209											
14												
15	14											
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	82	0	0	0	0	0	0	0	0	0	0	0
MAX	475	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 7 MAX 475 MIN 0

CAP Reach 11 Dike #2, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2019 MEAN 0.00 MAX 0.76 MIN 0.00

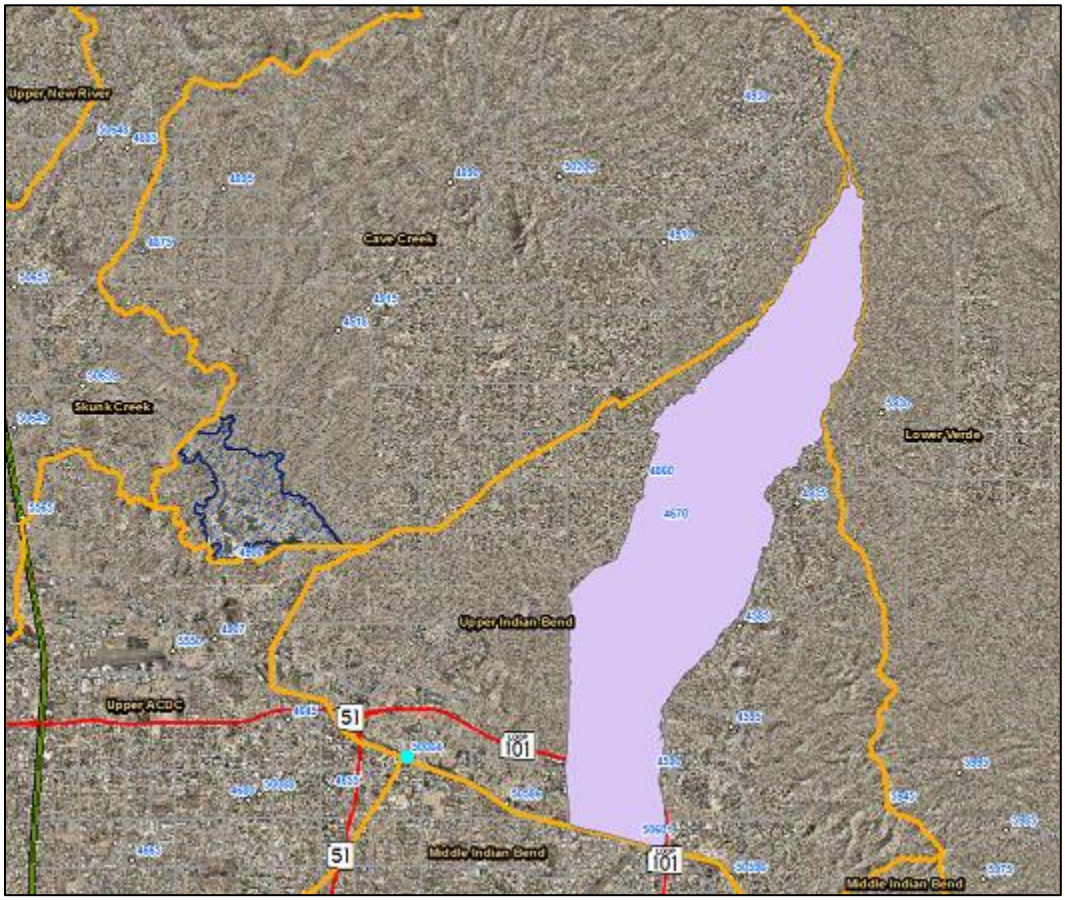
CAP Reach #11, Dike #3, ID #60107

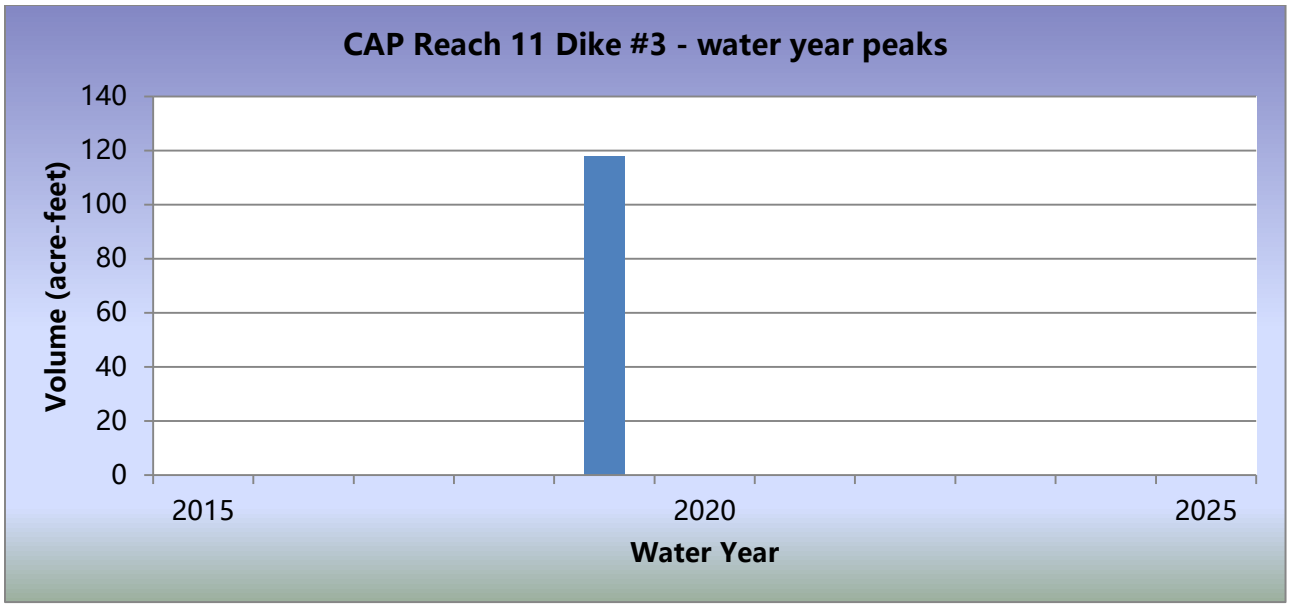


Site Data

LOCATION	Near Hayden Road and the CAP
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Scottsdale, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S01 T3N R4E
LATITUDE	N 33° 38' 02.9" | +33.63414
LONGITUDE	W 111° 54' 02.8" | -111.90079
STREAMGAGE INSTALLATION DATE	07/19/2016 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	07/19/2016 - Current
LENGTH OF AVAILABLE POR DATA	3.20 Years | 1,169 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,519.60 feet NAVD88
POINT OF ZERO FLOW	2.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	29.0 feet Gage Height

Watershed Map

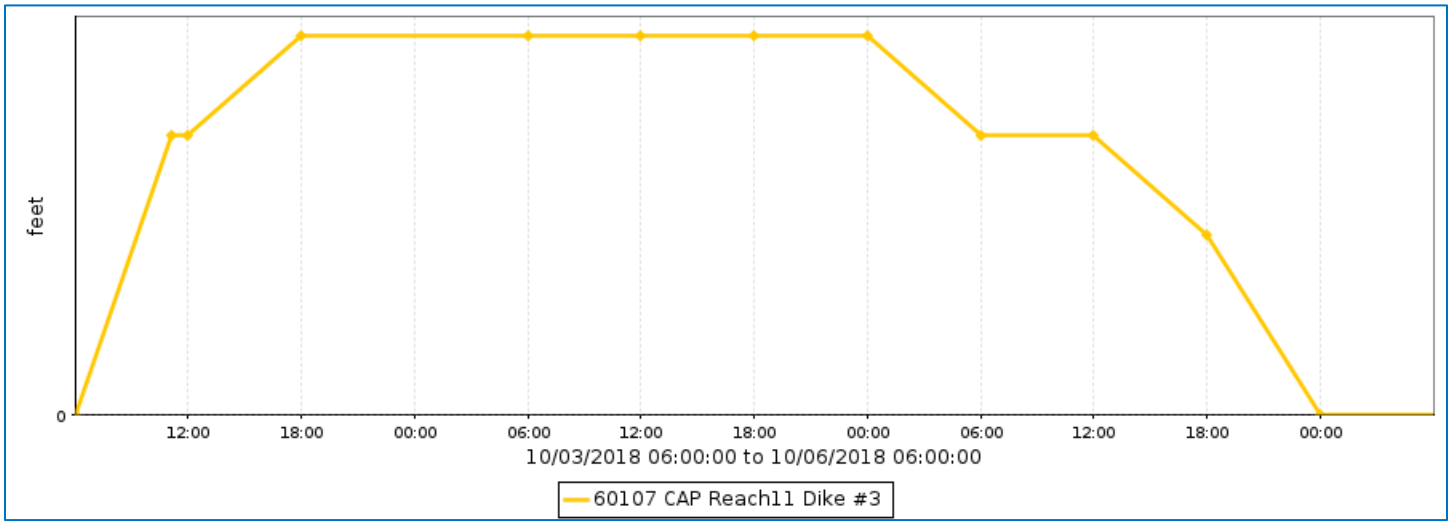




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/03/2018	0.19	117.9	1.4

Hydrograph of peak WY 2019 impoundment event, 10/03/2018



CAP Reach 11 Dike #3, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

CAP Reach 11 Dike #3, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3	62											
4	118											
5	113											
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	9	0	0	0	0	0	0	0	0	0	0	0
MAX	118	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 1 MAX 118 MIN 0

CAP Reach 11 Dike #3, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2019 MEAN 0.00 MAX 0.19 MIN 0.00

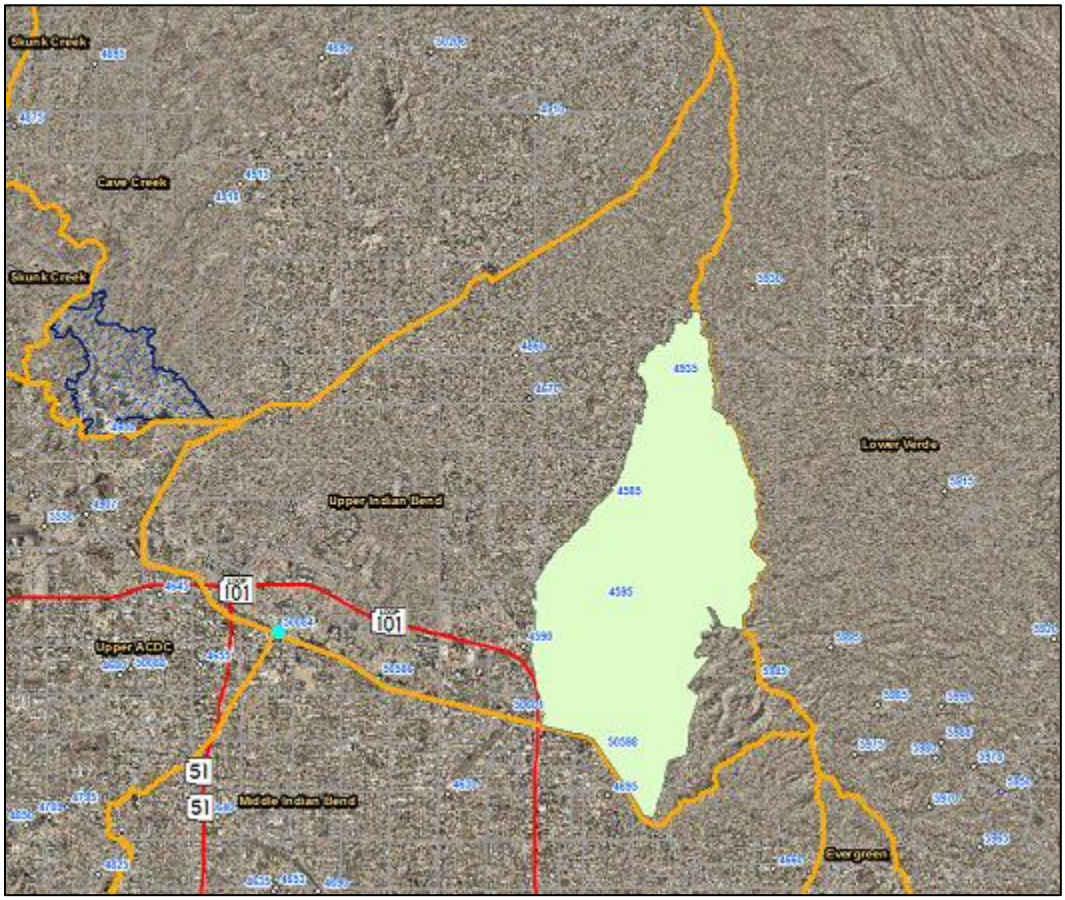
CAP Reach #11, Dike #4, ID #59807

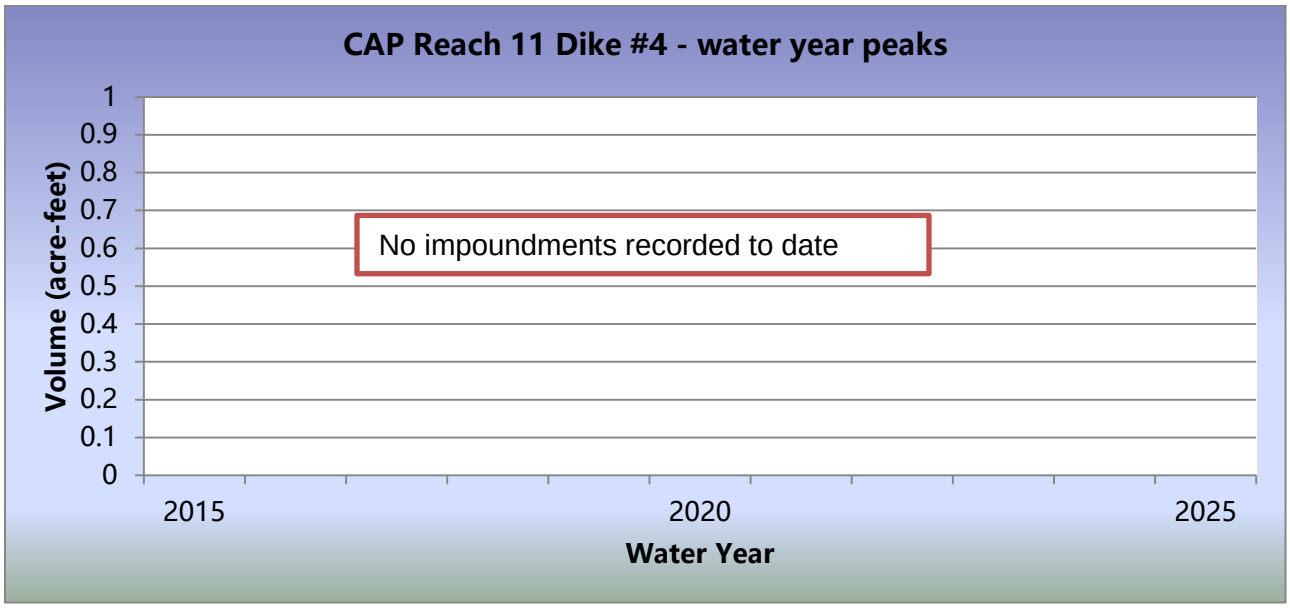


Site Data

LOCATION	Near the CAP and Thompson Peak Parkway
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control dike
JURISDICTION	Scottsdale, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S08 T3N R5E
LATITUDE	N 33° 37' 22.9" | +33.62304
LONGITUDE	W 111° 52' 02.1" | -111.86725
STREAMGAGE INSTALLATION DATE	07/19/2016 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	07/19/2016 - Current
LENGTH OF AVAILABLE POR DATA	3.20 Years | 1,169 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,510.00 feet NAVD88
POINT OF ZERO FLOW	2.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	34.0 feet Gage Height

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
No Impoundments			

Hydrograph of peak WY 2019 impoundment event

No impoundments were recorded during Water Year 2019.

CAP Reach 11 Dike #4, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

CAP Reach 11 Dike #4, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 0 MIN 0

CAP Reach 11 Dike #4, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2019 MEAN 0.00 MAX 0.00 MIN 0.00

Casandro Wash, ID #7093

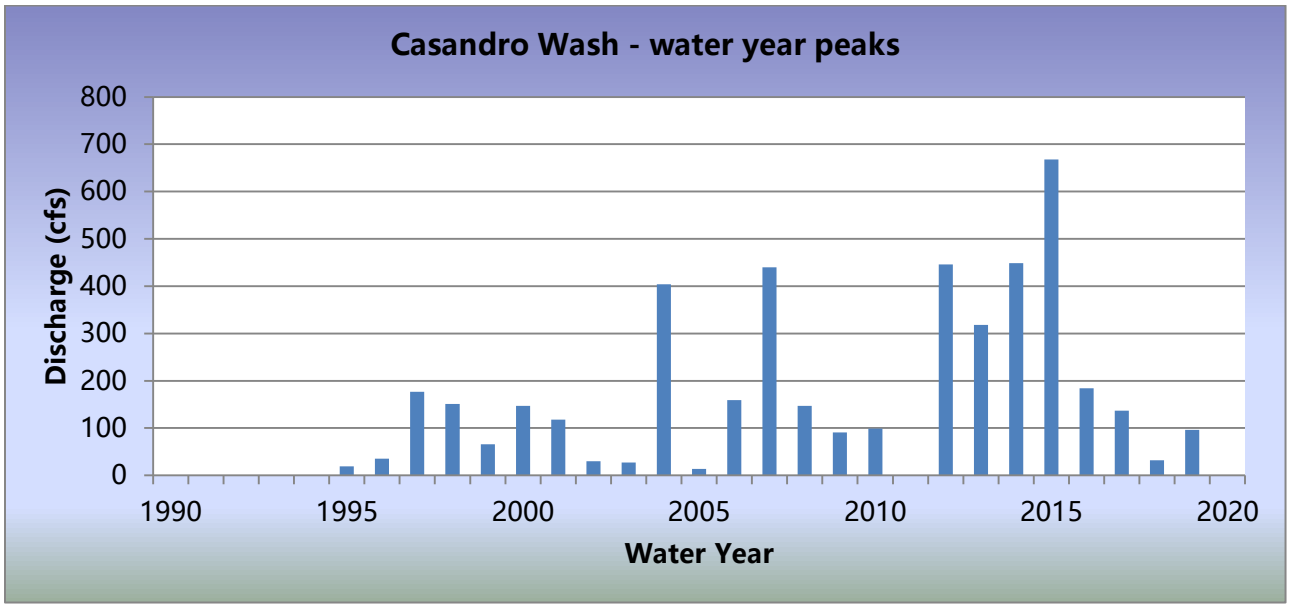


Site Data

LOCATION	Located near the intersection of Lazy Fox Road and US 60
DRAINAGE AREA	0.58 mi^2
STREAM TYPE	Culvert / Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S10 T7N R5W
LATITUDE	N 33° 57' 43.3" | +33.96204
LONGITUDE	W 112° 45' 55.0" | -112.76528
STREAMGAGE INSTALLATION DATE	07/12/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	07/12/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.22 Years | 9,212 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.73 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,241.74 feet NAVD88
POINT OF ZERO FLOW	1.23 feet Gage Height
EXTREME FOR PERIOD OF RECORD	668 cfs | 8.00 feet | 07/18/2015

Watershed Map

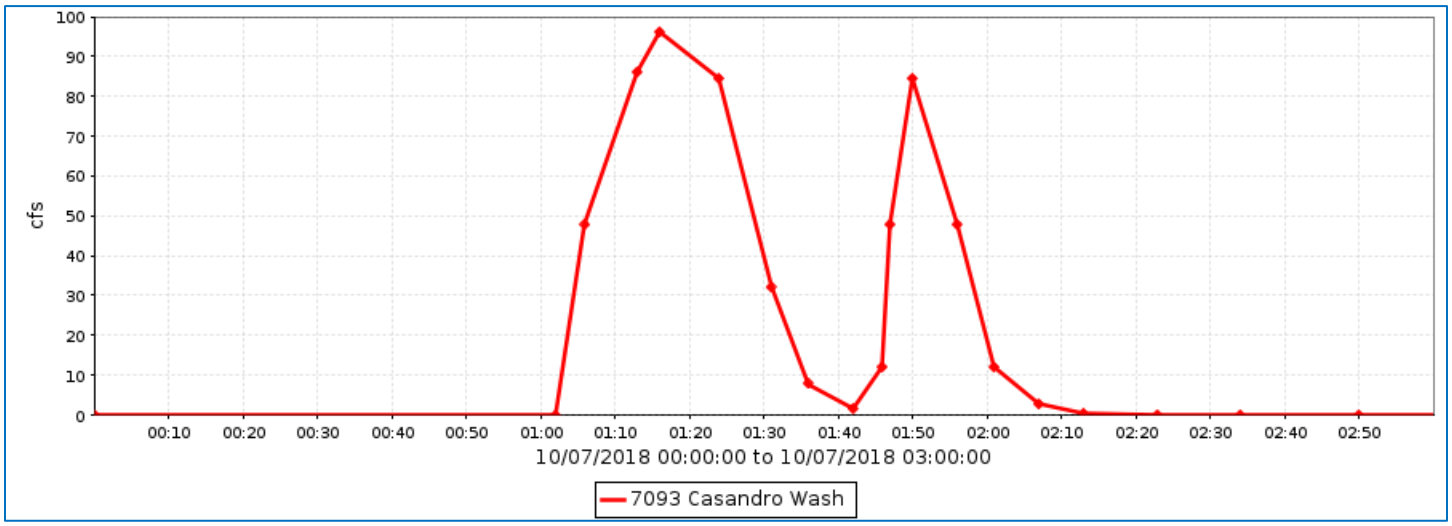




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/07/2018	2.15	96
09/23/2019	1.75	6
09/25/2019	2.05	88
09/26/2019	1.98	83

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
107	**269**	**424**	**611**	**907**	**1,170**

NOTE: These results are based on limited data.

Casandro Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												1
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	0	0	0	0	0	0	0	2
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	96	0	0	0	0	0	0	0	0	0	0	88
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	4	0	0	0	0	0	0	0	0	0	0	4

WTR YR 2019 TOTAL 4 MEAN 0 MAX 96 MIN 0 AC_FT 8

Casandro Dam, ID #7133

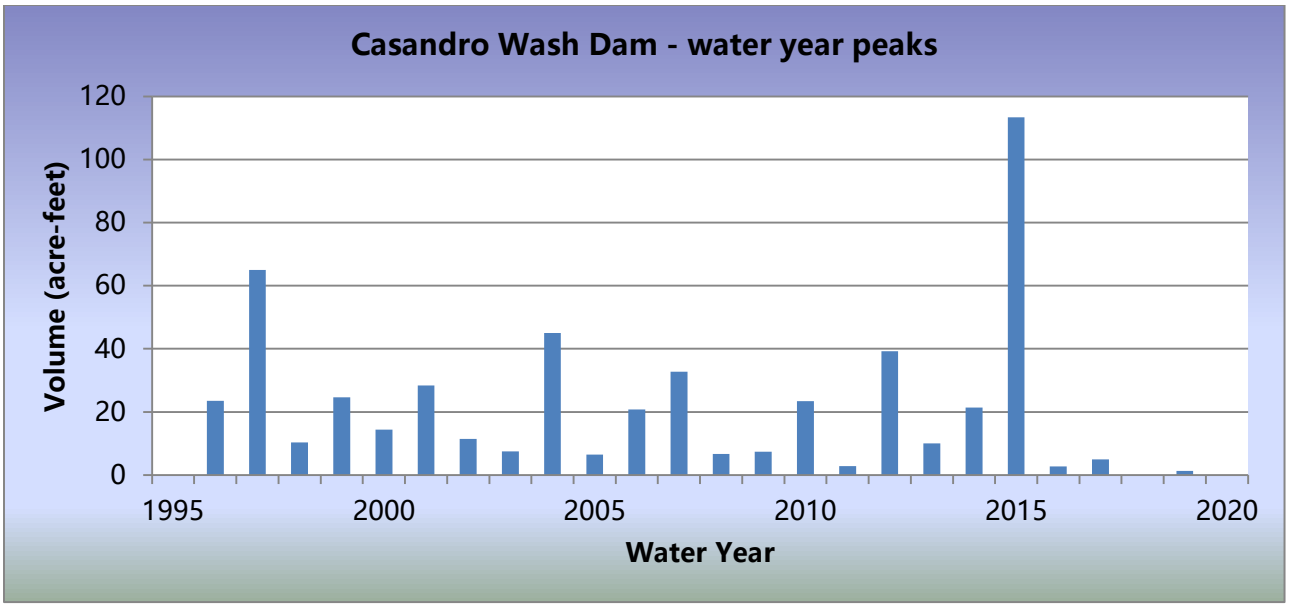


Site Data

LOCATION	In Wickenburg north and west of US 60 and Mariposa Avenue
DRAINAGE AREA	1.2 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S11 T7N R5W
LATITUDE	N 33° 58' 02.8" | +33.96744
LONGITUDE	W 112° 44' 54.7" | -112.74853
STREAMGAGE INSTALLATION DATE	08/15/1996 - WY 1996
AVAILABLE PERIOD OF RECORD (POR)	08/15/1996 - Current
LENGTH OF AVAILABLE POR DATA	23.13 Years | 8,447 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.19 feet Gage Height
STAFF GAGES	5
ZERO GAGE HEIGHT ELEVATION	2,136.66 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	20.34 feet Gage Height
TOP OF DAM ELEVATION	28.75 feet Gage Height

Watershed Map

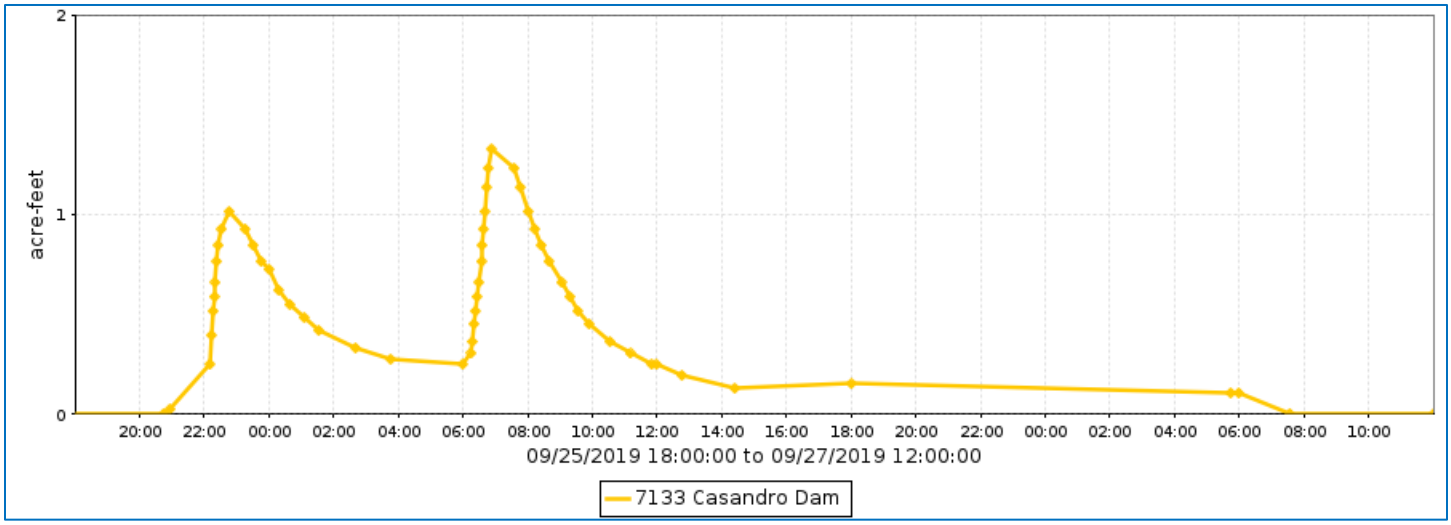




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
09/25/2019	1.72	1.0	0.8
09/26/2019	2.06	1.3	1.1

Hydrograph of peak WY 2019 impoundment event, 09/26/2019



Casandro Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8		---										
9		---										
10		---										
11		---										
12		---										
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												1
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	7
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	3

WTR YR 2019 TOTAL 1 MEAN 0 MAX 7 MIN 0 AC_FT 3

Casandro Dam, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8		---										
9		---										
10		---										
11		---										
12		---										
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 1 MIN 0

Casandro Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.1
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.19 MAX 2.06 MIN 0.19

Cave Buttes Dam Pool, ID #4904

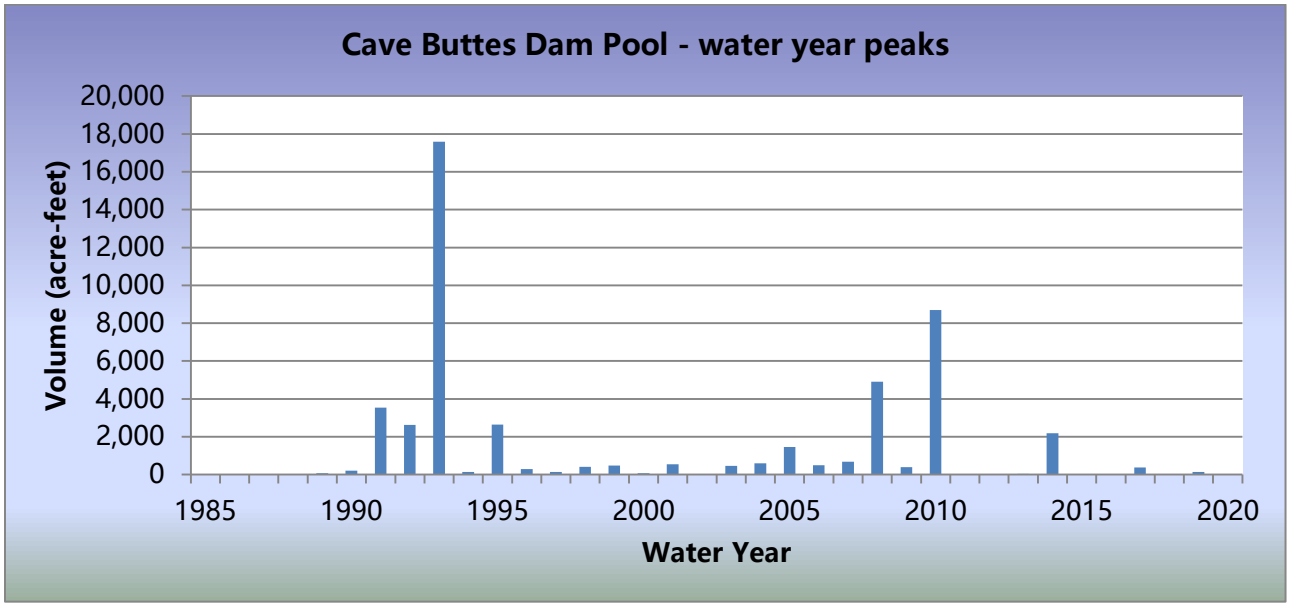


Site Data

LOCATION	Located about 1 mile west of Cave Creek Road and 1/2 mile south of Jomax Road
DRAINAGE AREA	191 mi^2
STREAM TYPE	Dam on natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S03 T4N R3E
LATITUDE	N 33° 43' 01.3" | +33.71702
LONGITUDE	W 112° 02' 40.2" | -112.04451
STREAMGAGE INSTALLATION DATE	01/25/1984 - WY 1984
AVAILABLE PERIOD OF RECORD (POR)	10/01/1987 - Current
LENGTH OF AVAILABLE POR DATA	32.00 Years | 11,688 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.90 feet Gage Height
STAFF GAGES	24
ZERO GAGE HEIGHT ELEVATION	1,562.30 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	97.1 feet Gage Height
TOP OF DAM ELEVATION	119.1 feet Gage Height

Watershed Map

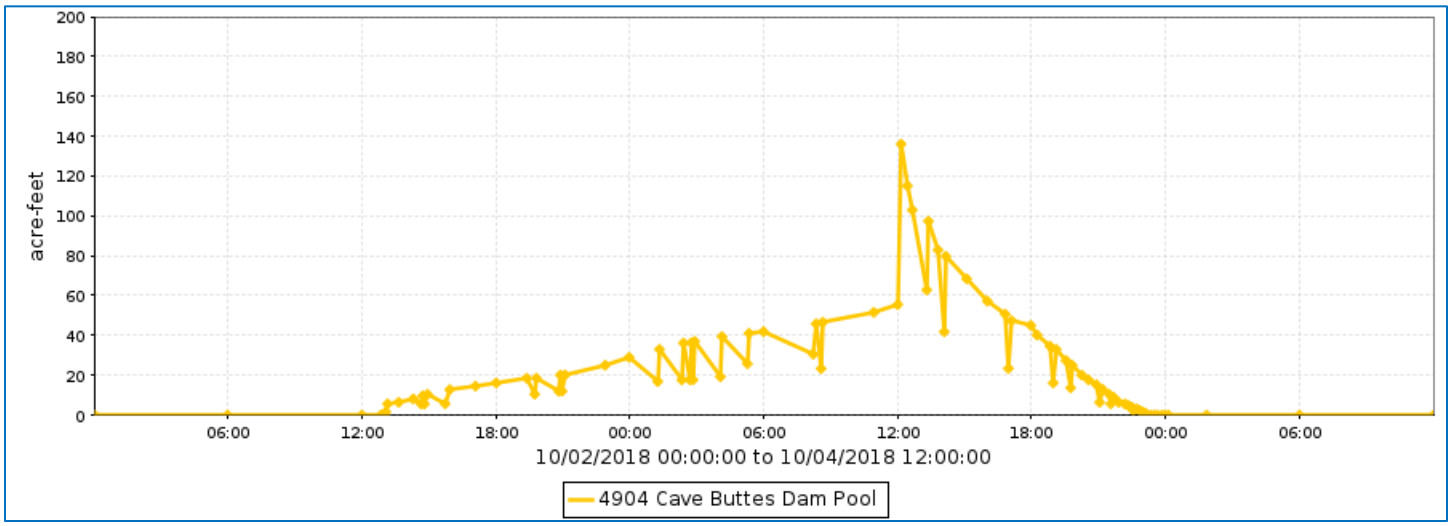




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/03/2019	14.42	136.1	0.3
10/07/2019	5.85	2.2	0.0
02/06/2019	8.97	12.9	0.0
02/15/2019	3.10	0.0	0.0
02/27/2019	6.08	2.6	0.0
03/14/2019	8.72	11.2	0.0

Hydrograph of peak WY 2019 impoundment event,



Cave Buttes Dam Pool, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	7											
3	43											
4												
5												
6					3							
7	1											
8												
9												
10												
11												
12												
13						1						
14						2						
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	2	0	0	0	0	0	0	0	0	0	0	0
MAX	136	0	0	0	13	11	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 136 MIN 0

Cave Buttes Dam Pool, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2	5.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
3	10.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
6	1.9	1.9	1.9	1.9	4.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7	4.2	1.9	1.9	1.9	2.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
8	2.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
11	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
12	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
13	1.9	1.9	1.9	1.9	1.9	3.0	1.9	1.9	1.9	1.9	1.9	1.9
14	1.9	1.9	1.9	1.9	1.9	4.0	1.9	1.9	1.9	1.9	1.9	1.9
15	1.9	1.9	1.9	1.9	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9
16	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
17	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
18	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
19	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
20	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
21	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
22	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
23	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
25	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
26	1.9	1.9	1.9	1.9	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9
27	1.9	1.9	1.9	1.9	3.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9
28	1.9	1.9	1.9	1.9	2.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9
29	1.9	1.9	1.9	1.9	---	1.9	1.9	1.9	1.9	1.9	1.9	1.9
30	1.9	1.9	1.9	1.9	---	1.9	1.9	1.9	1.9	1.9	1.9	1.9
31	1.9	---	1.9	1.9	---	1.9	---	1.9	---	1.9	1.9	---
MEAN	2.4	1.9	1.9	1.9	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9
MAX	14.4	1.9	1.9	1.9	9.0	8.7	1.9	1.9	1.9	1.9	1.9	1.9
MIN	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9

WTR YR 2019 MEAN 1.97 MAX 14.42 MIN 1.90

Cave Buttes Dam Outlet, ID #4903

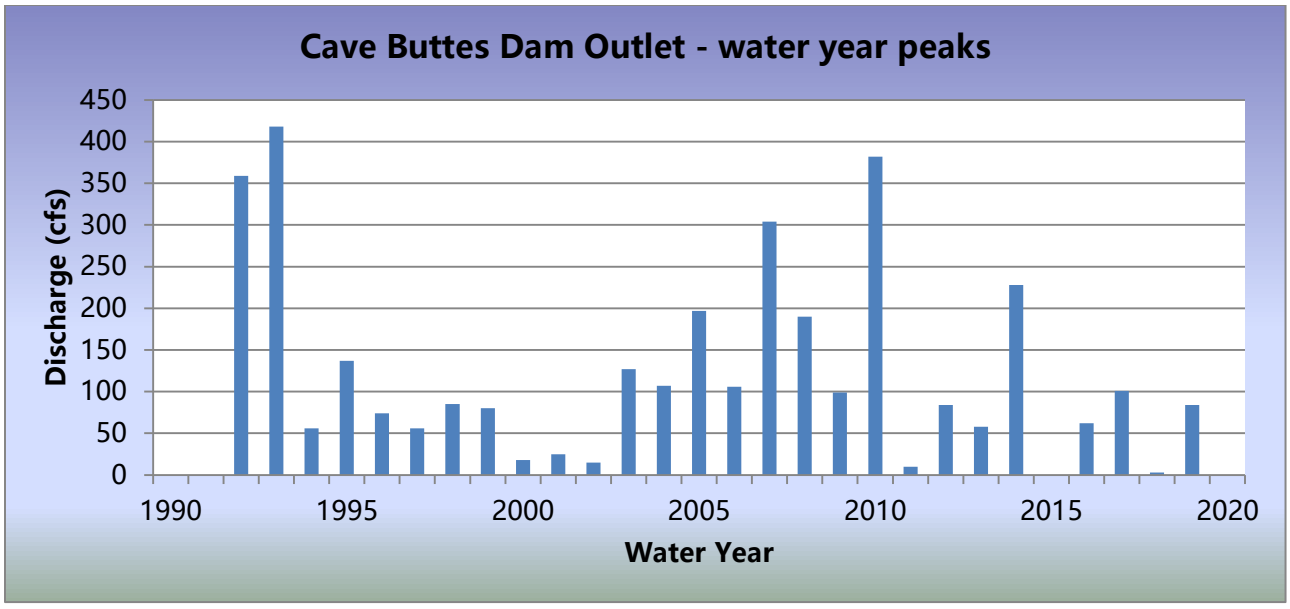


Site Data

LOCATION	Located about 1 mile west of Cave Creek Road and 1/2 mile south of Jomax Road
DRAINAGE AREA	191 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S03 T4N R3E
LATITUDE	N 33° 43' 01.3" | +33.71702
LONGITUDE	W 112° 02' 40.2" | -112.04451
STREAMGAGE INSTALLATION DATE	01/25/1984 - WY 1984
AVAILABLE PERIOD OF RECORD (POR)	07/30/1992 - Current
LENGTH OF AVAILABLE POR DATA	27.17 Years | 9,924 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.83 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,558.10 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	522 cfs | 6.43 feet | 08/24/1992

Watershed Map

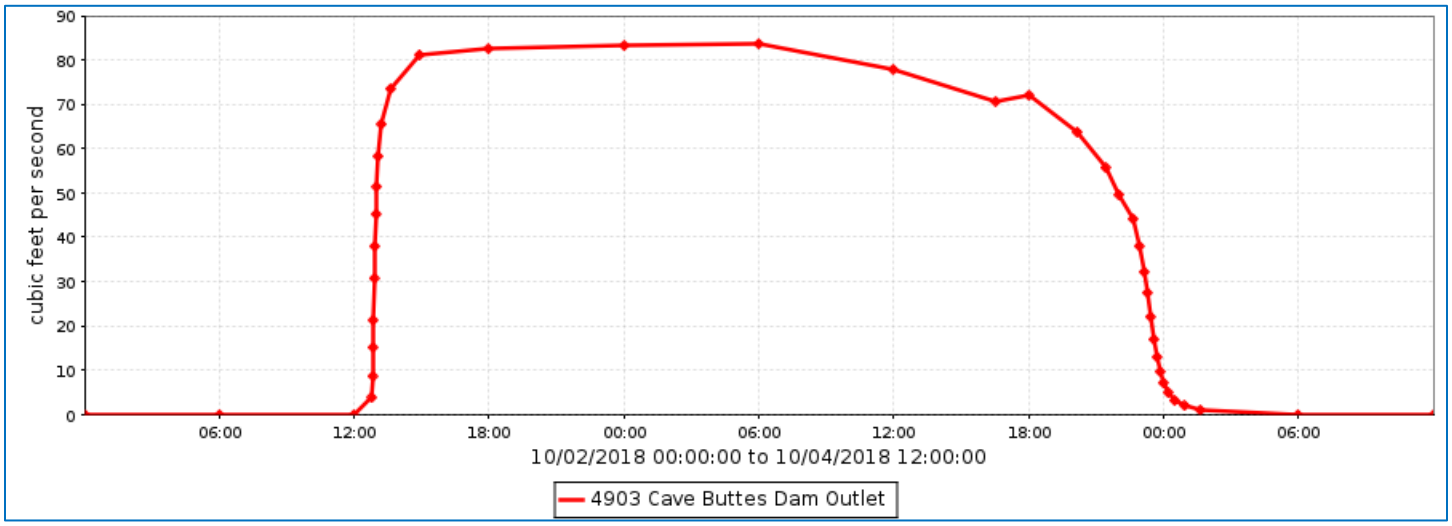




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/03/2018	3.77	84
10/07/2018	2.94	47
02/06/2019	3.39	66
02/15/2019	2.13	21
02/26/2019	2.22	25
03/13/2019	3.56	73

Hydrograph of peak WY 2019 flow event, 10/03/2018



Flood Flow Frequency

Flows past this gage are regulated by Cave Buttes Dam directly upstream. Flood Flow Frequency is therefore not valid.

Cave Buttes Dam Outlet, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	37											
3	75											
4												
5												
6					29							
7	27				4							
8	7											
9												
10												
11												
12												
13						16						
14						26						
15					6							
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26					9							
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	146	0	0	0	48	42	0	0	0	0	0	0
MEAN	5	0	0	0	2	1	0	0	0	0	0	0
MAX	84	0	0	0	66	73	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	290	0	0	0	96	83	0	0	0	0	0	0

WTR YR 2019 TOTAL 237 MEAN 1 MAX 84 MIN 0 AC_FT 469

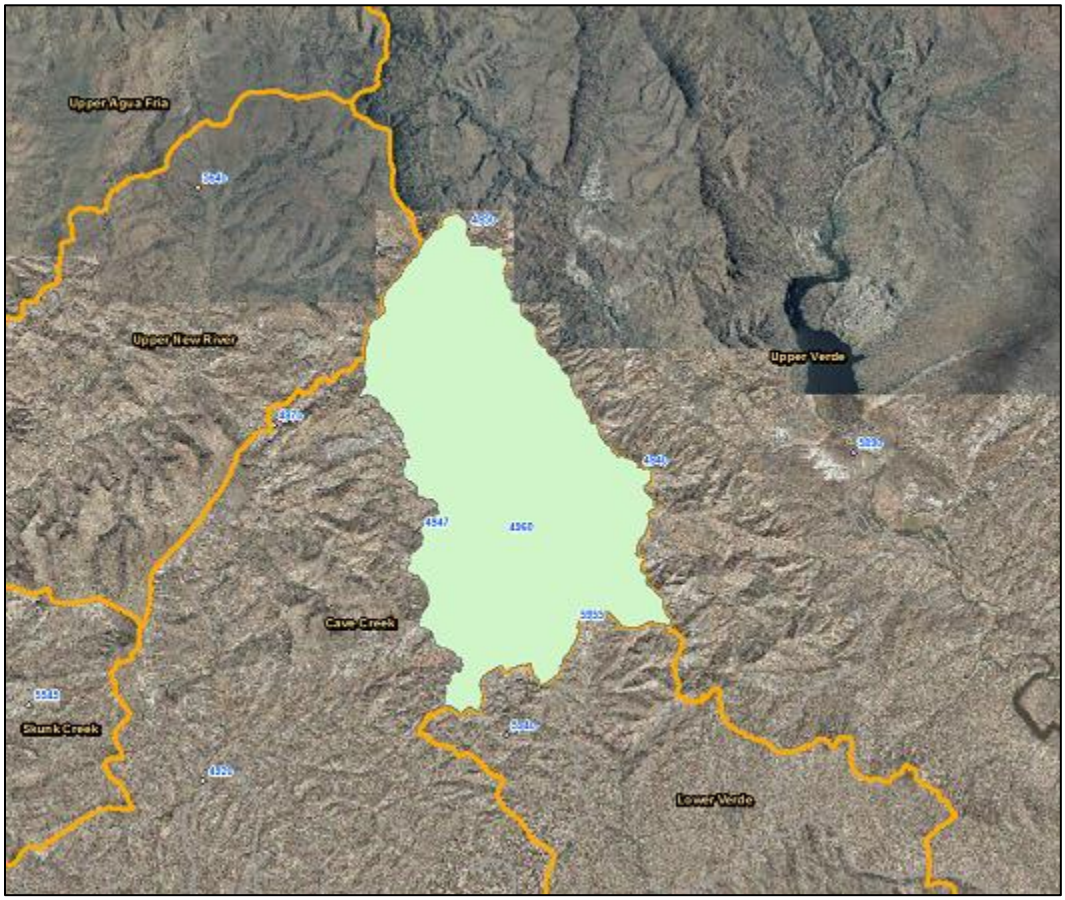
Cave Creek at Ashdale Ranger Station, ID #4947

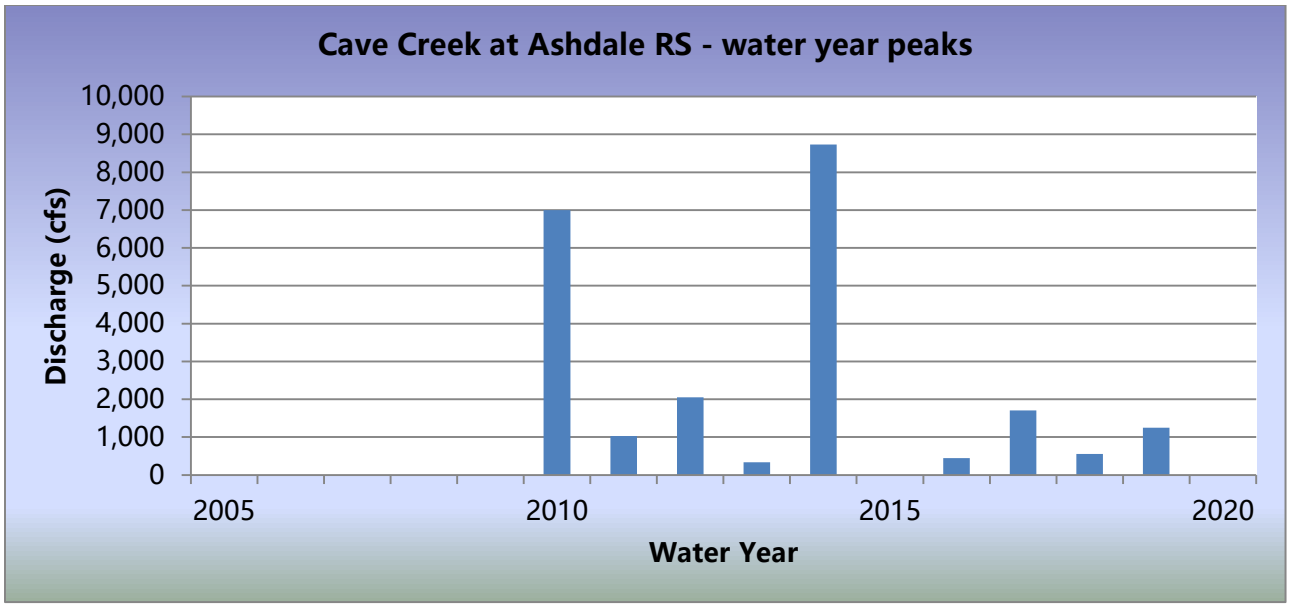


Site Data

LOCATION	About 1 mile west of the Seven Springs Campgrounds
DRAINAGE AREA	33 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S07 T7N R5E
LATITUDE	N 33° 57' 44.2" | +33.96228
LONGITUDE	W 111° 52' 33.8" | -111.87605
STREAMGAGE INSTALLATION DATE	02/25/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	02/25/2009 - Present
LENGTH OF AVAILABLE POR DATA	10.60 Years | 3,870 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.24 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	3,250.00 feet NGVD 1929
POINT OF ZERO FLOW	0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	8,735 cfs | 11.24 feet GH | 08/19/2014

Watershed Map

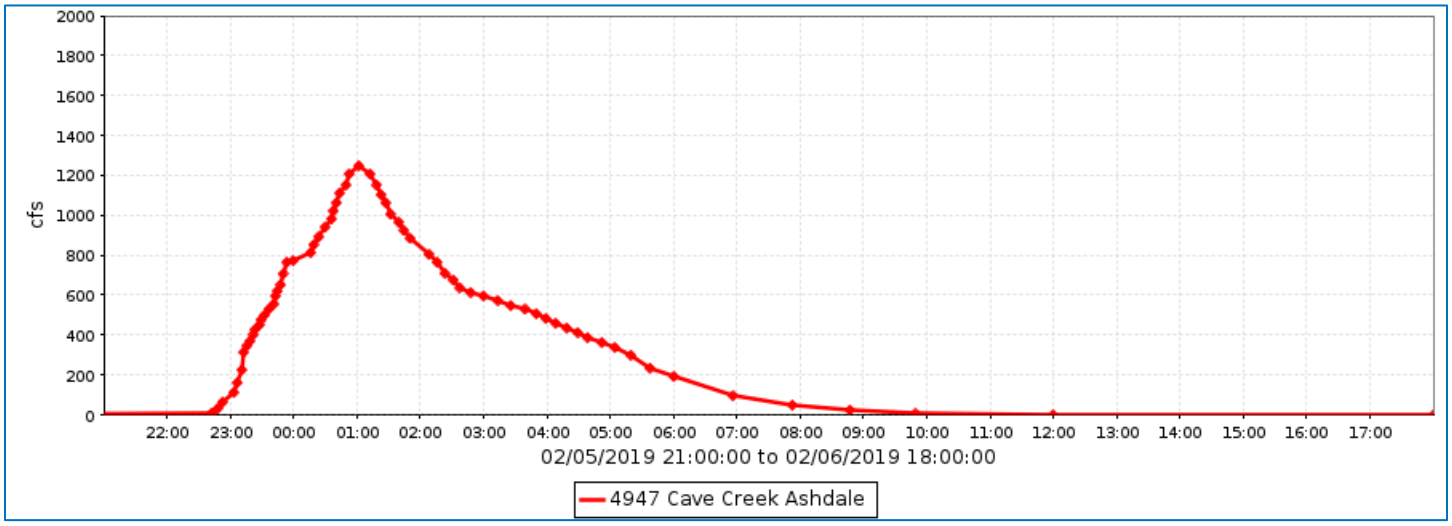




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	2.13	275
10/02/2018	2.06	240
10/07/2018	2.43	363
10/23/2018	2.11	265
02/06/2019	5.87	1,251
02/14/2019	3.62	581
02/25/2019	2.23	320
02/26/2019	2.60	398
02/27/2019	2.00	212
03/13/2019	4.92	931
09/23/2019	3.20	510

Hydrograph of peak WY 2019 flow event, 02/06/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Cave Creek at Ashdale RS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	66											
3	4											
4												
5					19							
6					181							
7	65											
8												
9	---											
10												
11												
12												
13						246						
14					78							
15					62							
16												
17												
18												
19												
20												
21												
22												
23	11											26
24					1							
25					64							
26					90							
27					40							
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	146	0	0	0	535	246	0	0	0	0	0	26
MEAN	5	0	0	0	19	8	0	0	0	0	0	1
MAX	363	0	0	0	1251	931	0	0	0	0	0	510
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	290	0	0	0	1061	488	0	0	0	0	0	51

WTR YR 2019 TOTAL 953 MEAN 3 MAX 1251 MIN 0 AC_FT 1891

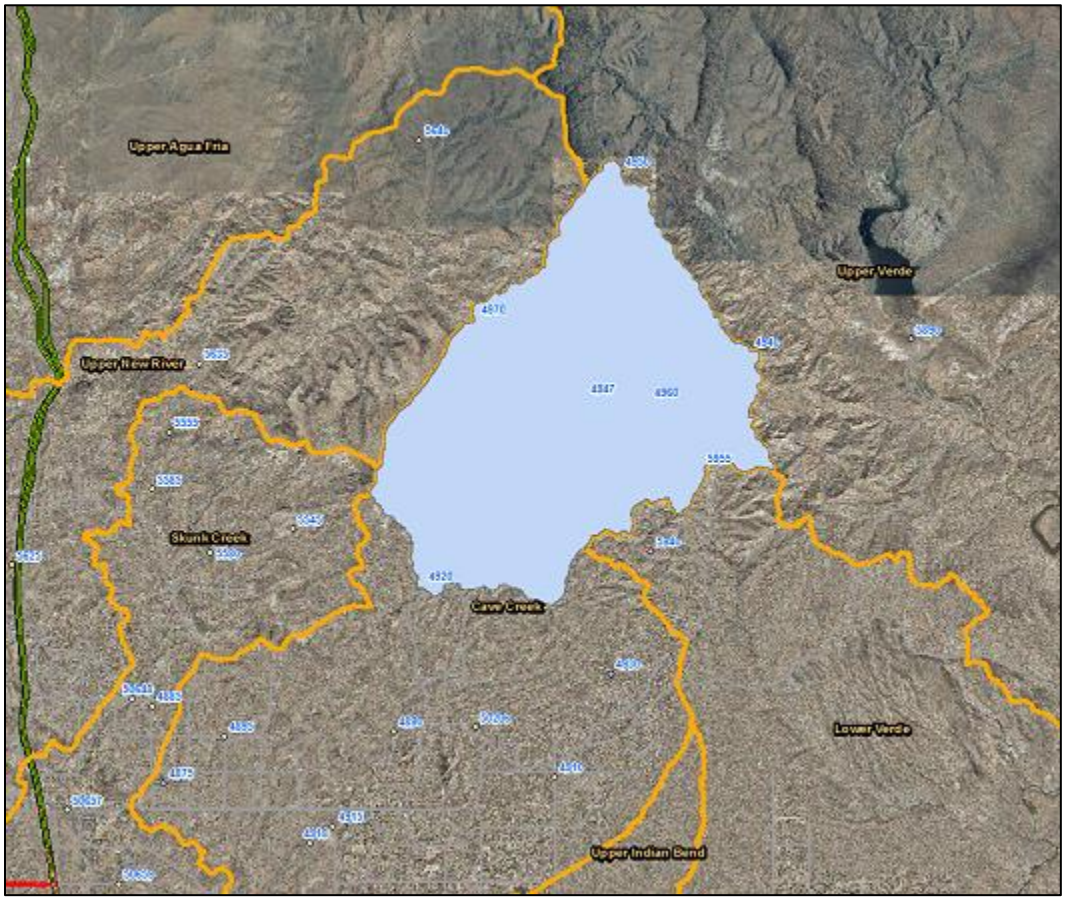
Cave Creek at Spur Cross, ID #4923

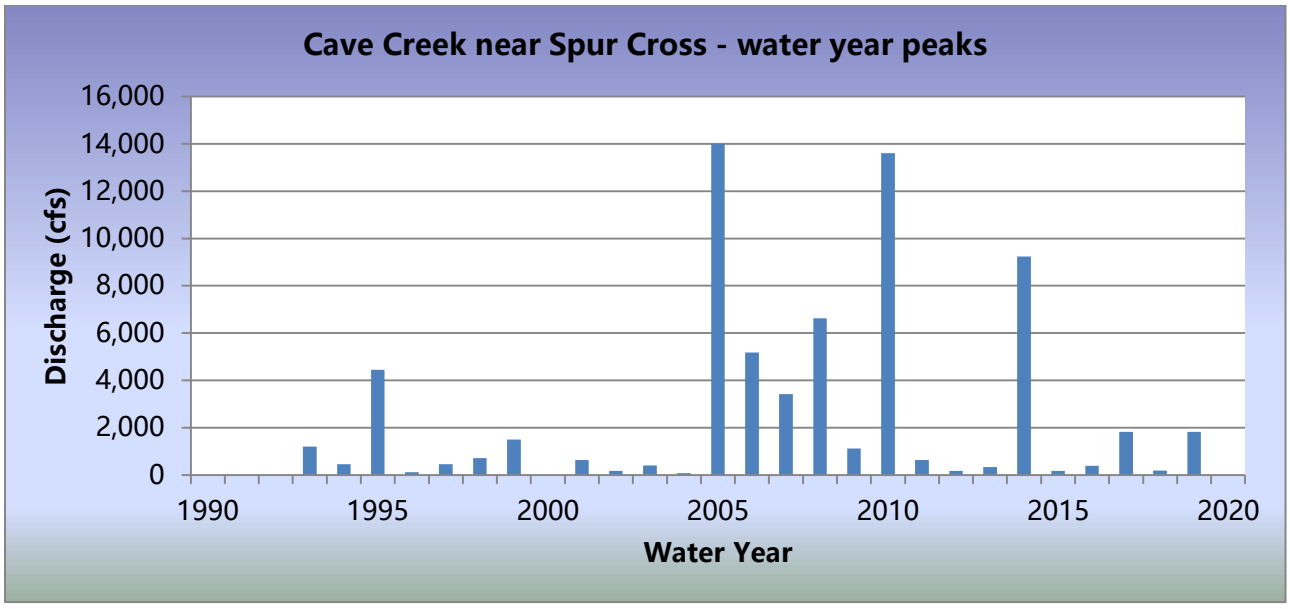


Site Data

LOCATION	Near the Spur Cross Conservation Area
DRAINAGE AREA	72.9 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Cave Creek, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S04 T6N R4E
LATITUDE	N 33° 53' 16.6" | +33.88793
LONGITUDE	W 111° 57' 12.8" | -111.95355
STREAMGAGE INSTALLATION DATE	06/16/1993 - WY 1993
AVAILABLE PERIOD OF RECORD (POR)	06/16/1993 - Current
LENGTH OF AVAILABLE POR DATA	26.29 Years | 9,603 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.64 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	2.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	14,000 cfs | 16.40 feet | 09/03/2005

Watershed Map

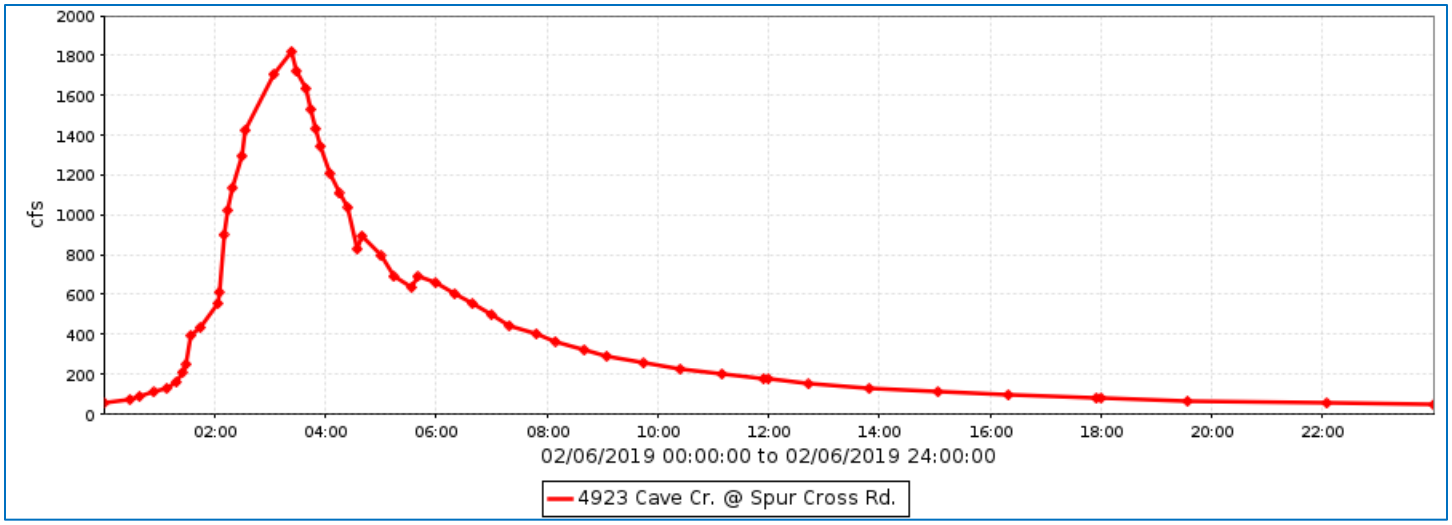




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	5.17	353
10/07/2018	4.96	289
10/24/2018	4.24	120
02/06/2019	7.77	1,822
02/15/2019	5.52	481
02/25/2019	4.86	220
02/26/2019	4.92	278
02/27/2019	4.71	222
03/13/2019	6.12	756

Hydrograph of peak WY 2019 flow event, 02/06/2019



Flood Flow Frequency

Flood Flow Frequency N=39, HEC-WRC computation (based on 39 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
846	**3,140**	**6,130**	**10,600**	**19,400**	**29,000**

NOTE: These results are based on limited data.

Cave Creek at Spur Cross, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		3	1	4	7	31	1	3	1	---	1	1
2	119	3	1	2	6	16	1	3	1		1	1
3	92	1	1	1	13	10	1	3	1	1	1	1
4	12	1	1	1	56	7	5	3	1	1	1	1
5	1	1	1	2	40	5	7	2	1	1	1	1
6	1	1	1	---	338	4	7	2	1	1	1	1
7	115	1	1	7	28	4	7	1	1	1	1	1
8	34	1	1	5	12	3	7	1	1	1	1	1
9	25	1	1	4	8	3	6	1	1	1	1	1
10	17	1	1	2	6	3	6	1	1	1	1	1
11	11	1	1	3	4	3	6	1	1	1	1	1
12	6	1	1	2	3	7	6	3	1	1	1	1
13	7	1	1	4	3	226	6	2	1	1	1	1
14	47	1	1	7	3	50	6	1	1	1	1	1
15	30	1	1	7	148	19	6	1	1	1	1	1
16	18	1	1	6	24	10	6	1	1	1	1	1
17	14	1	1	6	9	6	5	1	1	1	1	1
18	11	1	1	6	5	5	5	1	1	1	1	1
19	8	1	1	5	5	4	5	1	1	1	1	1
20	7	1	1	6	3	3	5	1	---	1	1	1
21	5	1	2	7	22	3	4	1	---	1	1	1
22	5	1	2	3	36	3	4	1	---	1	1	1
23	4	1	1	4	30	2	4	1	---	1	1	1
24	53	1	1	3	38	2	4	1	---	1	1	1
25	20	1	2	2	86	2	4	1	1	1	1	1
26	12	1	3	2	129	2	4	1	1	1	1	1
27	8	1	3	2	123	2	3	1	---	1	1	1
28	6	1	3	2	68	2	3	1	---	1	1	1
29	5	4	3	4	---	2	3	1	---	1	1	1
30	4	1	3	7	---	1	3	1	---	1	1	1
31	4	---	4	7	---	1	---	1	---	1	1	---
TOTAL	703	35	47	122	1251	442	141	43	29	28	31	29
MEAN	23	1	2	4	45	14	5	1	1	1	1	1
MAX	353	32	4	14	1822	756	7	76	1	1	1	4
MIN	0	1	1	0	3	1	1	1	1	1	1	1
AC_FT	1393	69	93	242	2481	876	279	86	58	56	61	58

WTR YR 2019 TOTAL 2900 MEAN 8 MAX 1822 MIN 0 AC_FT 5753

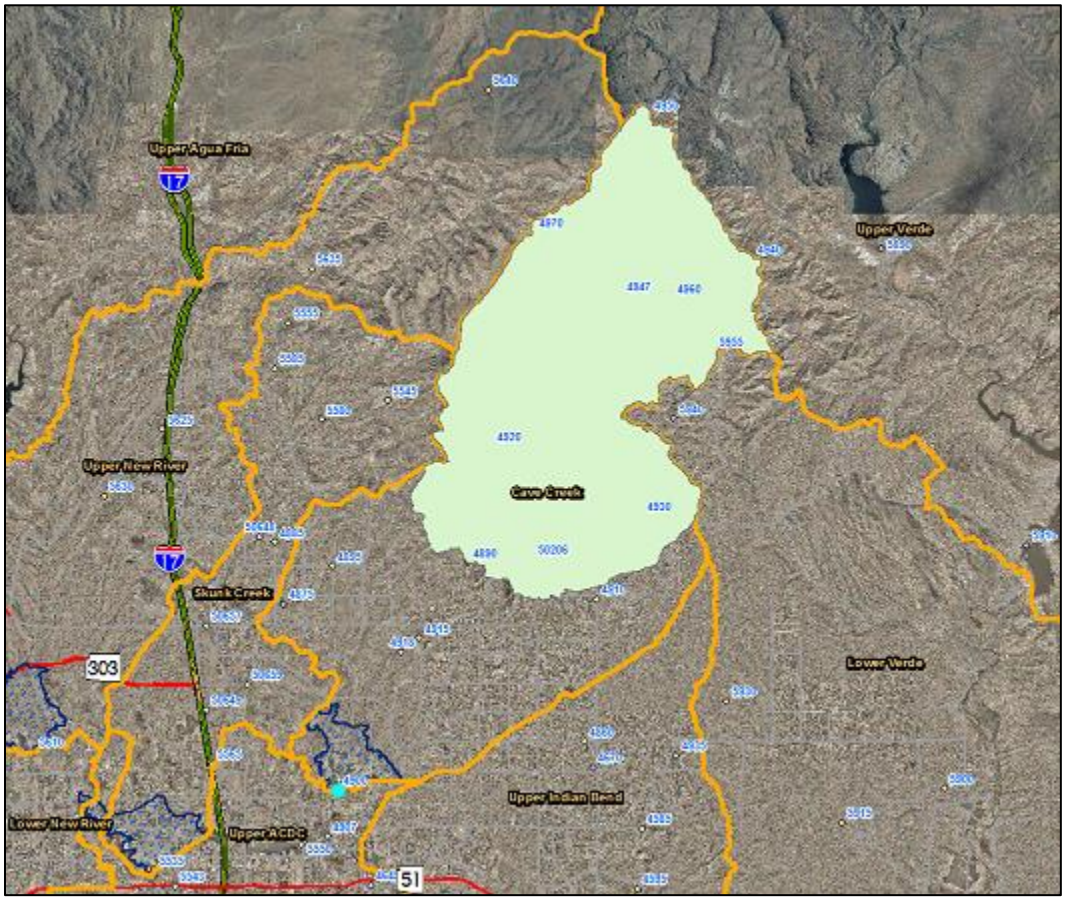
Cave Creek, ID #4893

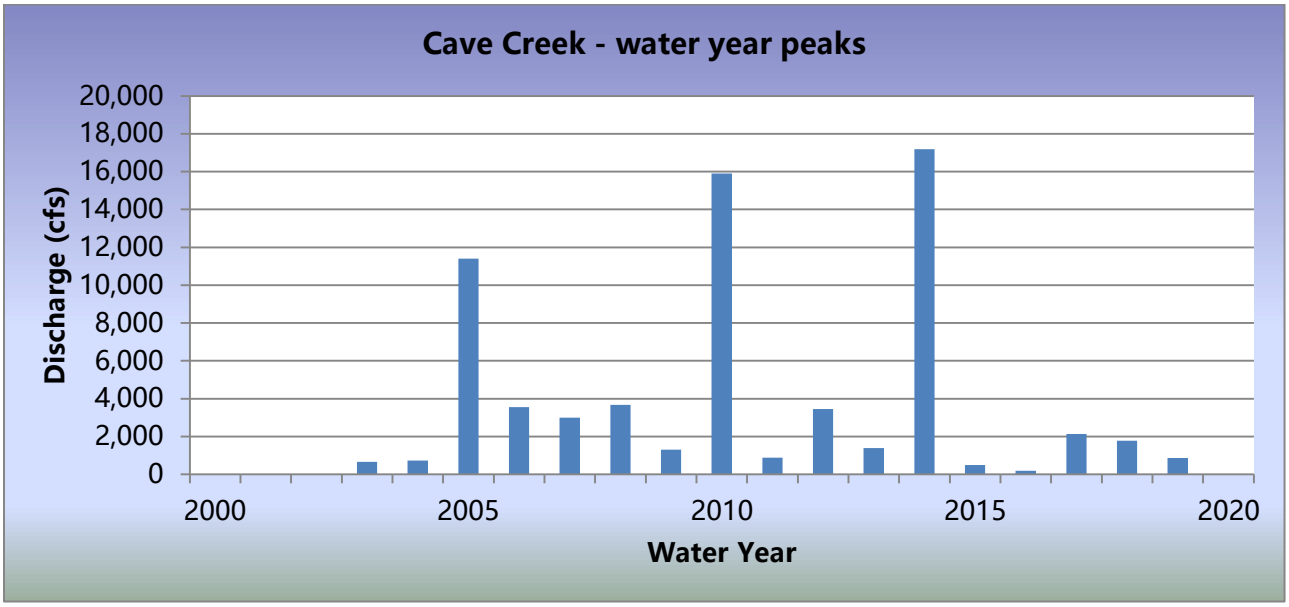


Site Data

LOCATION	In Cave Creek near Rancho Manana
DRAINAGE AREA	115.8 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Cave Creek, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S29 T6N R4E
LATITUDE	N 33° 49' 48.9" | +33.83024
LONGITUDE	W 111° 58' 04.0" | -111.96778
STREAMGAGE INSTALLATION DATE	05/28/2003 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	05/28/2003 - Current
LENGTH OF AVAILABLE POR DATA	15.35 Years | 5,605 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.25 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,989.20 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	17,190 cfs | 12.75 feet | 08/19/2014

Watershed Map

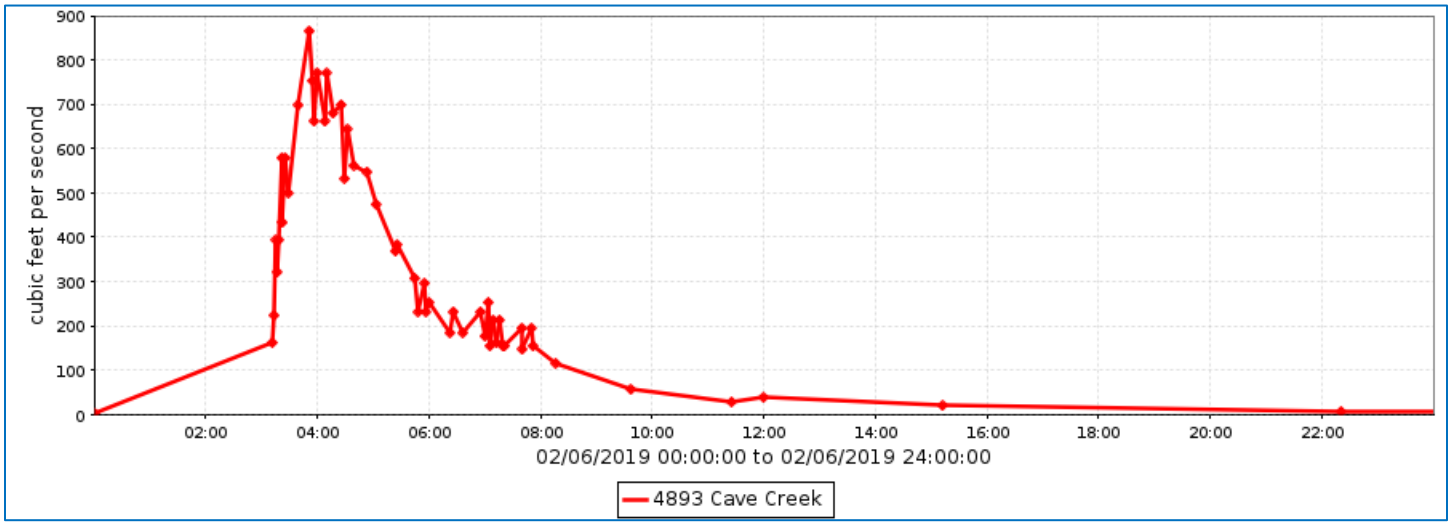




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.91	460
10/07/2018	3.32	308
02/06/2019	5.03	865
02/15/2019	3.32	308
02/26/2019	2.44	139
03/12/2019	2.39	132
03/13/2019	3.81	433

Hydrograph of peak WY 2019 flow event, 02/06/2019



Flood Flow Frequency

Flood Flow Frequency N=17, HEC-WRC computation (based on 17 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,880	**5,440**	**9,570**	**15,300**	**26,200**	**37,600**

NOTE: These results are based on limited data.

Cave Creek, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						10	3					
2	94					7	3					
3	24					6	3					
4	3				2	5	3					
5				1	4	4	3					
6				1	104	4	3					
7	37		1	1	7	4	3					
8	6			1	5	4	2					
9	4		1	1	4	2						
10	3				3	2						
11	1				3	2						
12	1				1	9						
13	1					109						
14	3				1	16						
15	3				70	7						
16	2				10	6						
17	2				5	5						
18	1				4	5						
19	1				3	5						
20	1				2	4						
21	1				7	4						
22	1				9	3						
23	1				8	3						
24	4				9	3						
25	3				15	3						
26	2				41	3						
27	1				39	3						
28	1				23	3						
29					---	3						
30					---	3						
31		---			---	3	---		---			---
TOTAL	202	5	8	5	378	251	24	0	0	0	0	0
MEAN	7	0	0	0	13	8	1	0	0	0	0	0
MAX	460	1	2	3	865	433	6	0	0	0	0	0
MIN	0	0	0	0	0	1	0	0	0	0	0	0
AC_FT	401	11	16	9	750	498	47	0	0	0	0	0

WTR YR 2019 TOTAL 874 MEAN 2 MAX 865 MIN 0 AC_FT 1733

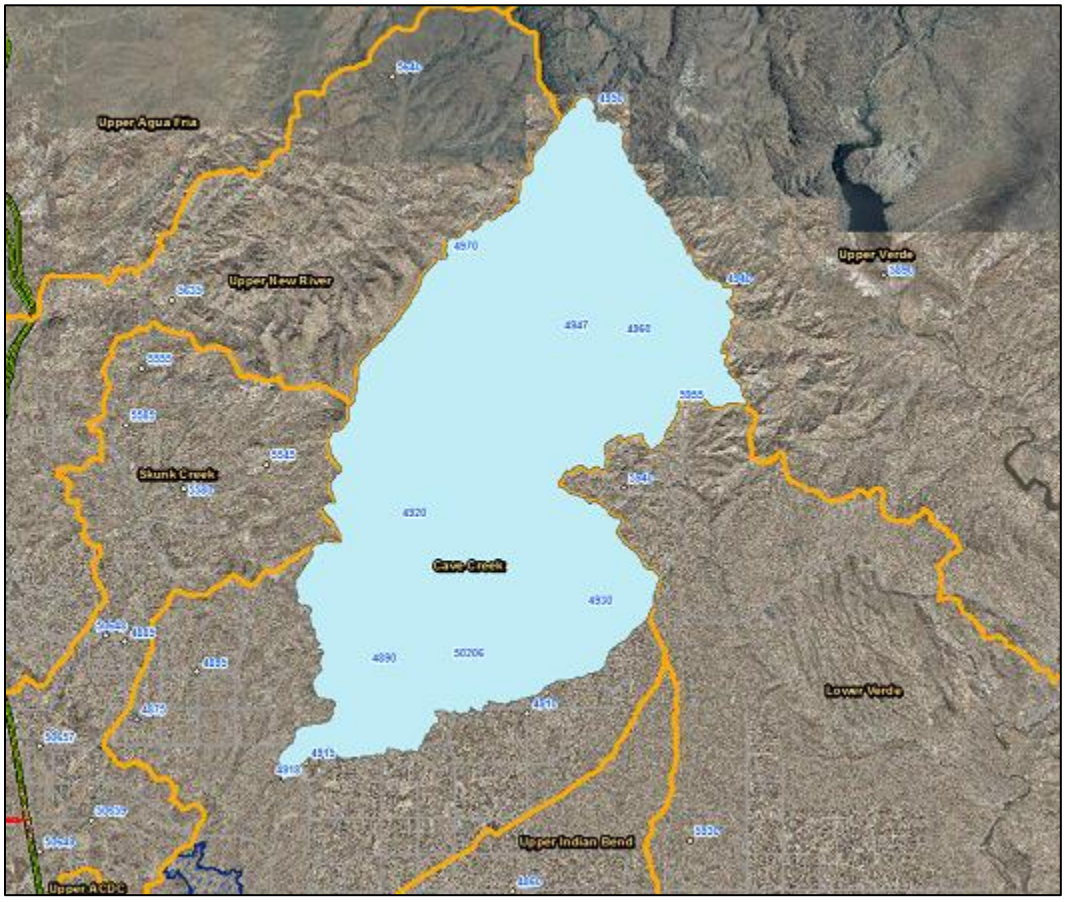
Cave Creek near Cave Creek, ID #4918

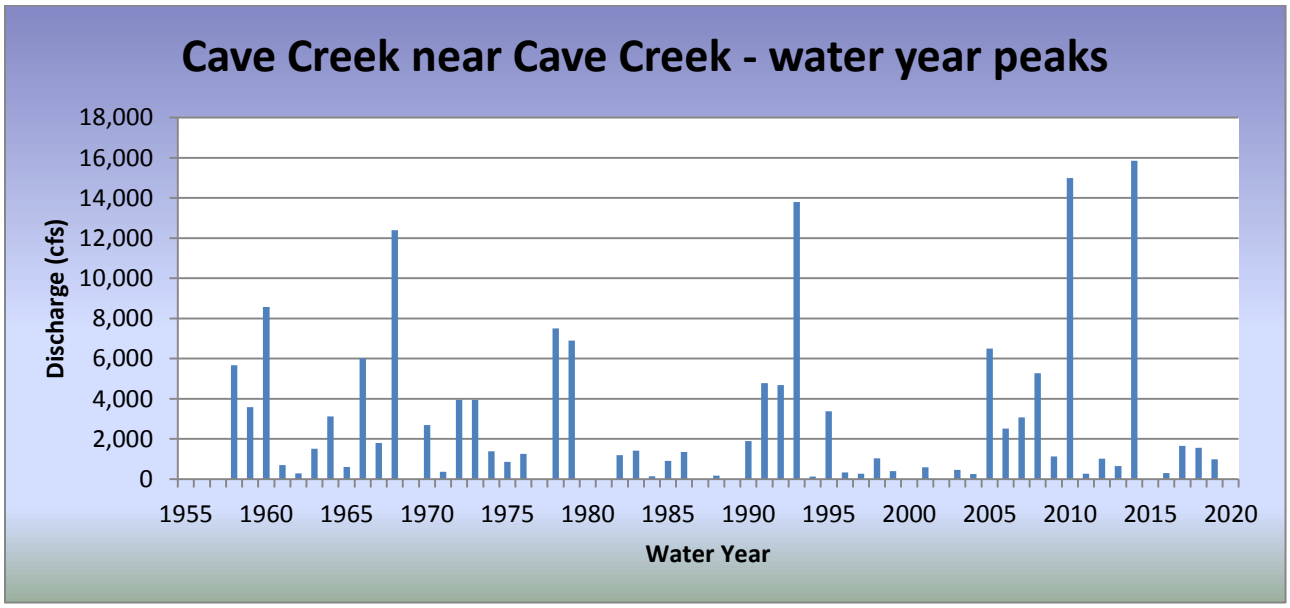


Site Data

LOCATION	About 1 mile south of Carefree Highway
DRAINAGE AREA	123.4 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S12 T5N R3E
LATITUDE	N 33° 47' 09.0" | +33.78582
LONGITUDE	W 112° 00' 26.1" | -112.00726
STREAMGAGE INSTALLATION DATE	05/27/1994 - WY 1994 (USGS gaged since 1958)
AVAILABLE PERIOD OF RECORD (POR)	05/27/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.35 Years | 9,258 Days
DATA GAPS IN POR	11/30/2009 - 06/16/2010 | 09/08/2013 - 10/28/2013
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,801.90 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD (FCD)	15,850 cfs | 10.65 feet | 08/19/2014
EXTREME FOR PERIOD OF RECORD (USGS)	13,800 cfs | 10.7 feet | 01/08/1993

Watershed Map

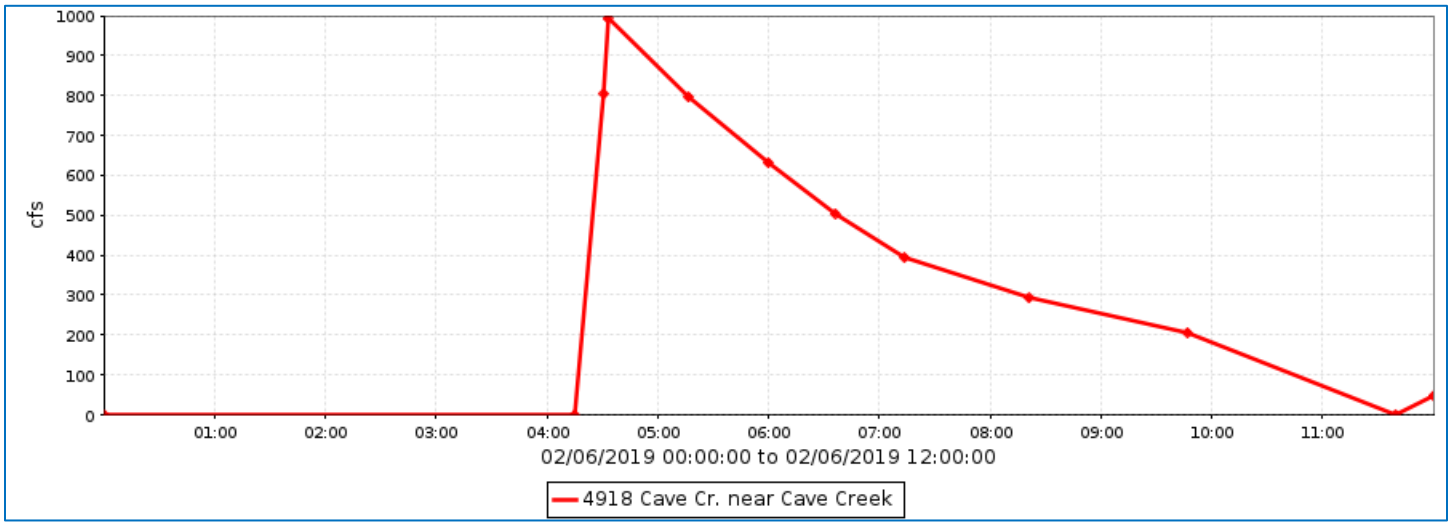




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	2.16	603
10/02/2018	2.06	557
10/07/2018	1.81	450
02/06/2019	2.82	992
02/15/2019	1.42	302
03/13/2019	2.14	594

Hydrograph of peak WY 2019 flow event, 02/06/2019



Flood Flow Frequency

Flood Flow Frequency N=61, HEC-WRC computation (based on 61 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,200	**3,860**	**6,970**	**11,300**	**19,200**	**27,300**

Cave Creek near Cave Creek, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	99											
3												
4												
5												
6					139							
7	19											
8												
9												
10												
11												
12												
13						105						
14												
15					62							
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	118	0	0	0	201	105	0	0	0	0	0	0
MEAN	4	0	0	0	7	3	0	0	0	0	0	0
MAX	603	0	0	0	992	594	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	234	0	0	0	399	208	0	0	0	0	0	0

WTR YR 2019 TOTAL 424 MEAN 1 MAX 992 MIN 0 AC_FT 841

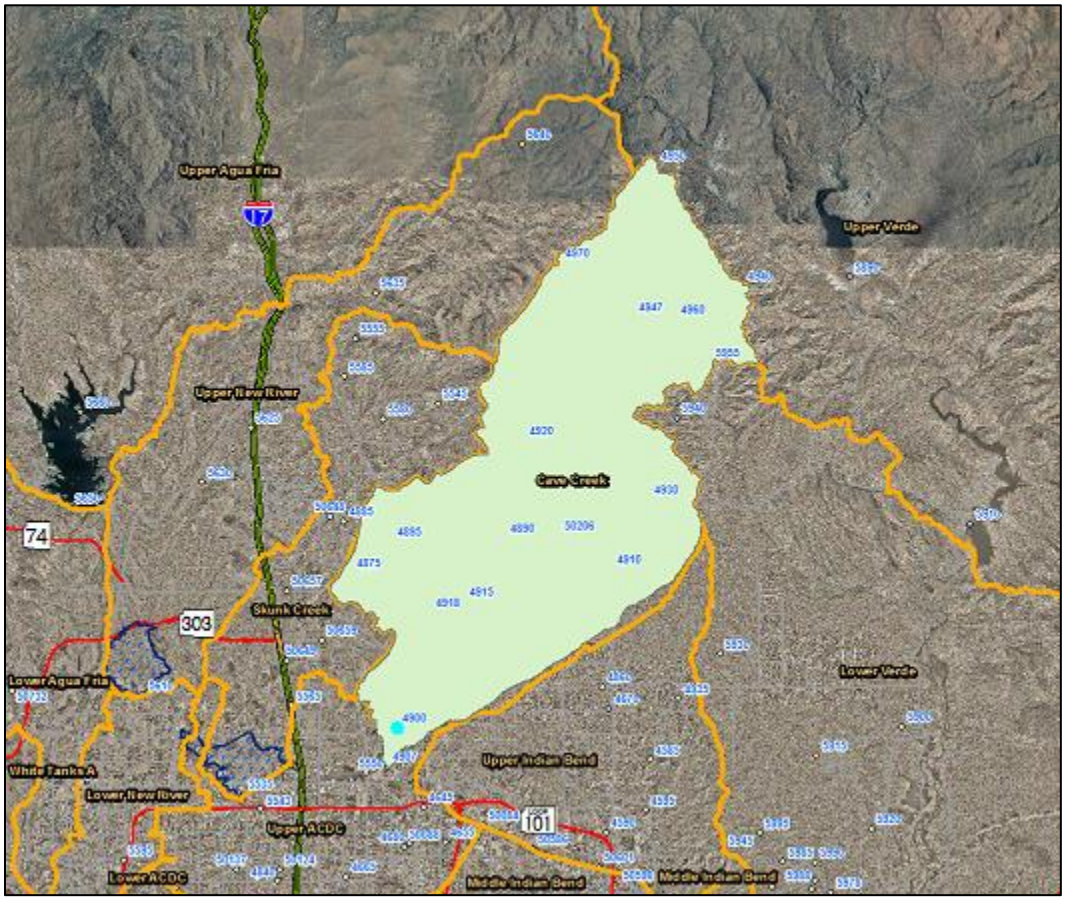
Cave Creek at CAP, ID #4907

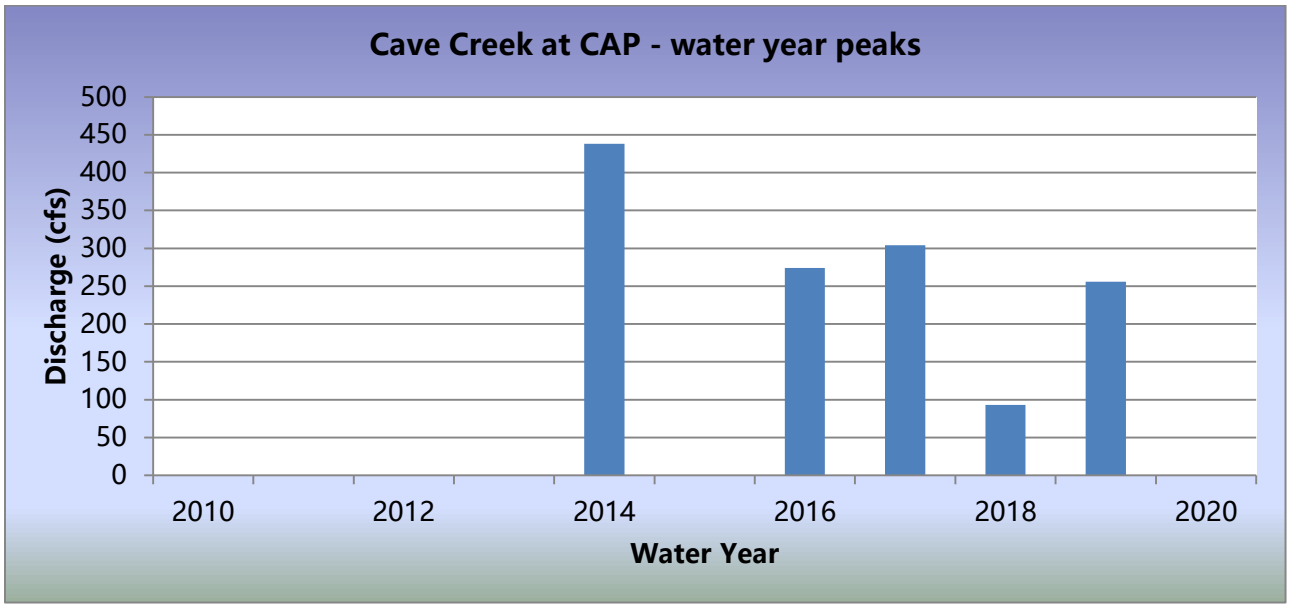


Site Data

LOCATION	Located about 1 mile downstream of Cave Buttes Dam
DRAINAGE AREA	198 mi^2
STREAM TYPE	Concrete Overchute
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S16 T4N R3E
LATITUDE	N 33° 41' 38.0" | +33.69389
LONGITUDE	W 112° 03' 04.0" | -112.05111
STREAMGAGE INSTALLATION DATE	04/14/2014 - WY 2014
AVAILABLE PERIOD OF RECORD (POR)	04/14/2014 - Current
LENGTH OF AVAILABLE POR DATA	5.46 Years | 1,996 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,505.66 feet NGVD29
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	438 cfs | 0.92 feet | 08/20/2014

Watershed Map

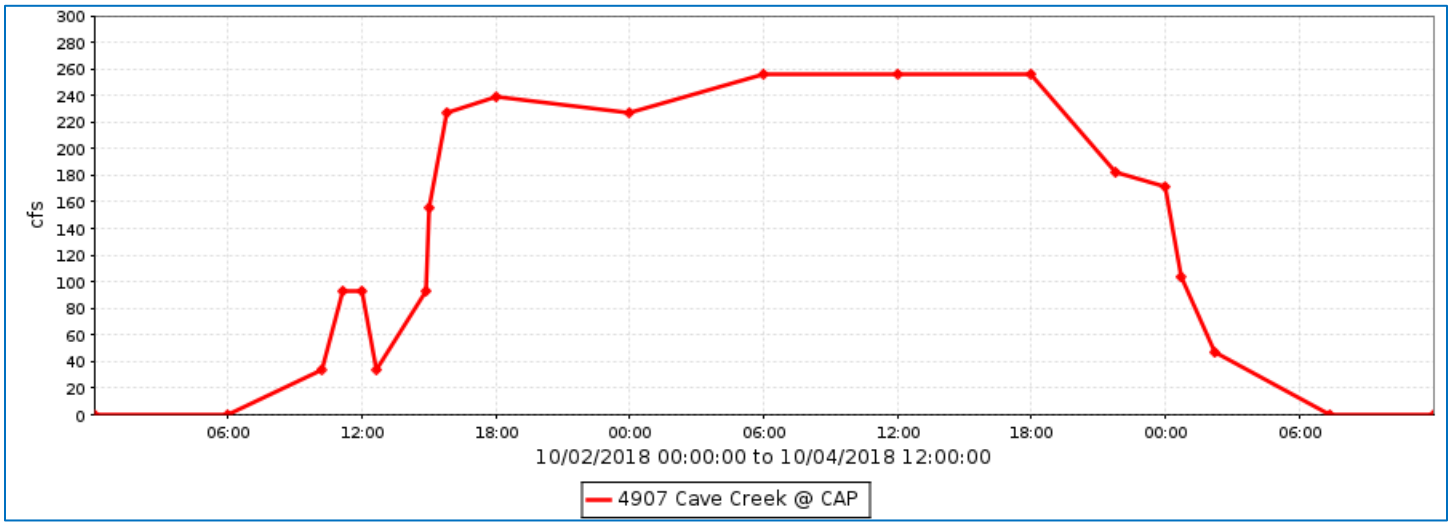




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	0.63	256
10/07/2018	0.53	199
02/06/2019	0.52	193
02/15/2019	0.32	88
02/27/2019	0.52	193
03/14/2019	0.54	205

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Cave Creek at CAP, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	96											
3	242											
4	22											
5												
6					69							
7	108				70							
8	66				3							
9												
10												
11												
12												
13						24						
14						118						
15					24							
16					15							
17												
18												
19												
20												
21												
22												
23												
24												
25												
26					50							
27					97							
28					68							
29					---							
30					---							
31		---			---		---		---			---
TOTAL	534	0	0	0	398	141	0	0	0	0	0	0
MEAN	17	0	0	0	14	5	0	0	0	0	0	0
MAX	256	0	0	0	193	205	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1060	0	0	0	790	280	0	0	0	0	0	0

WTR YR 2019 TOTAL 1074 MEAN 3 MAX 256 MIN 0 AC_FT 2130

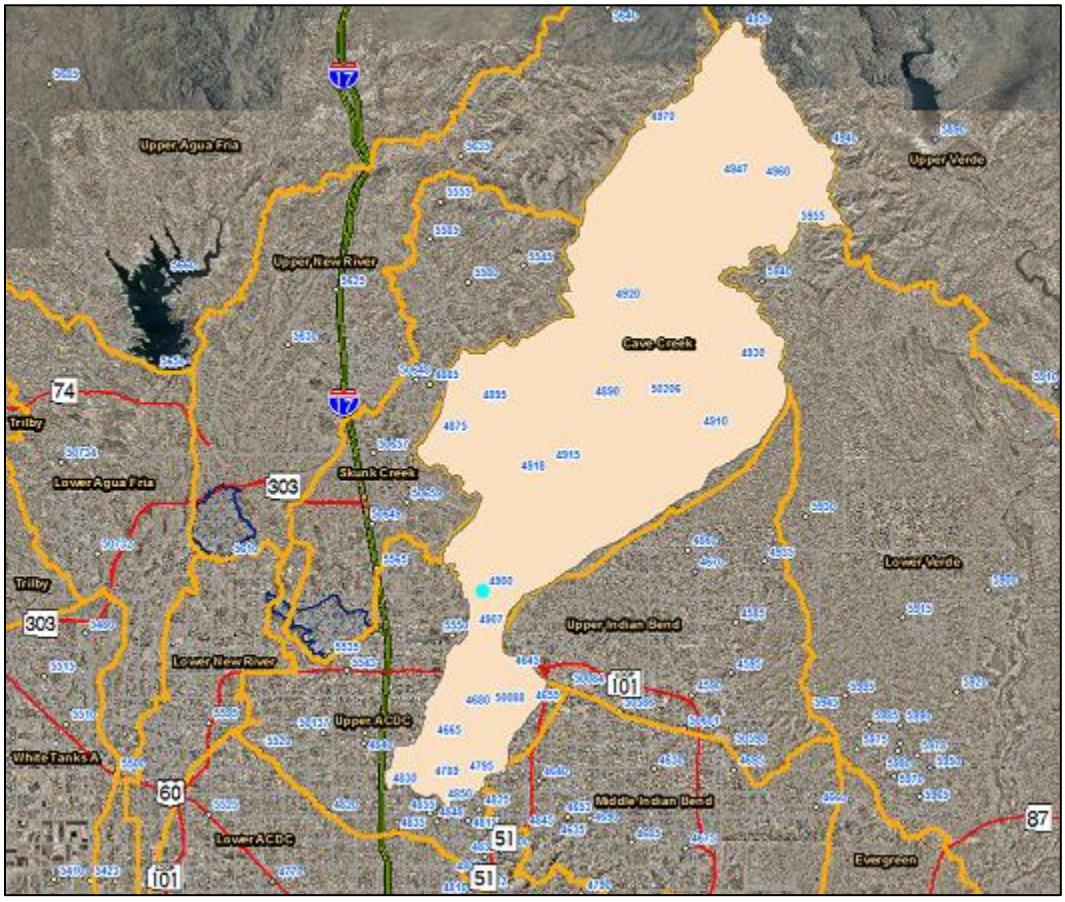
Cave Creek at Cactus Road – ID #4833

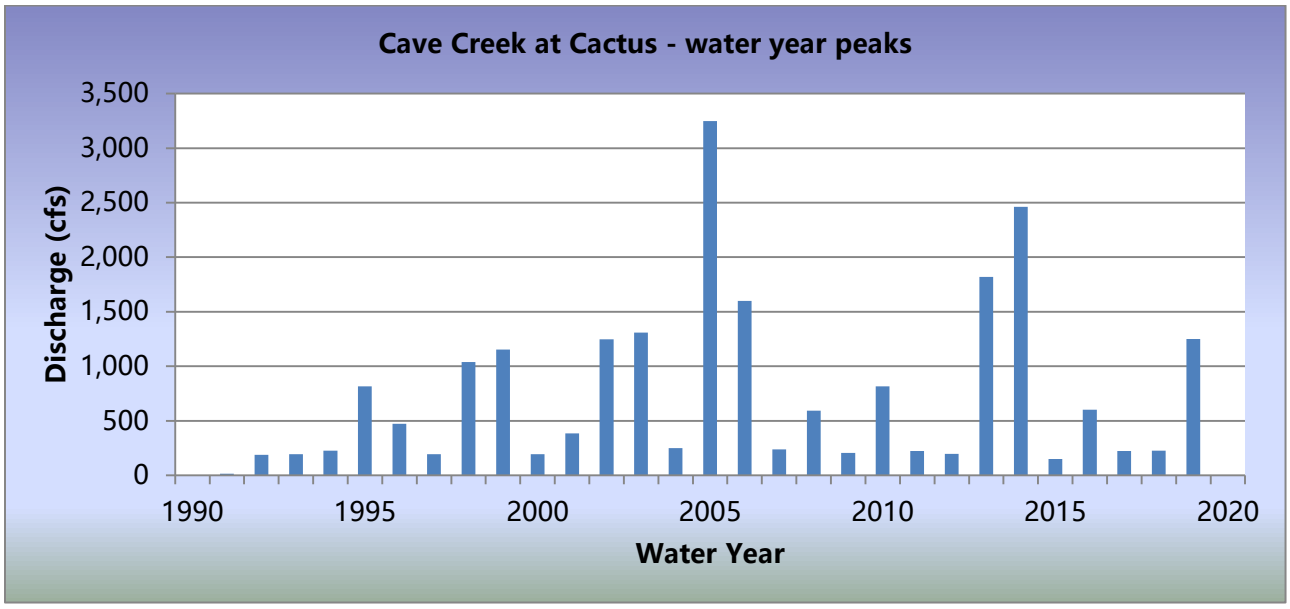


Site Data

LOCATION	Near Cactus Road and 25th Avenue
DRAINAGE AREA	33.6 mi^2 below Cave Buttes Dam
STREAM TYPE	Basin / Outlet / Weir
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S13 T3N R2E
LATITUDE	N 33° 35' 58.9" | +33.59969
LONGITUDE	W 112° 06' 43.2" | -112.11201
STREAMGAGE INSTALLATION DATE	06/27/1991 - WY 1991
AVAILABLE PERIOD OF RECORD (POR)	06/27/1991 - Current
LENGTH OF AVAILABLE POR DATA	28.26 Years | 10,323 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.35 feet Gage Height
STAFF GAGES	2
ZERO GAGE HEIGHT ELEVATION	1,259.36 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,247 cfs | 12.85 feet | 08/03/2005

Watershed Map

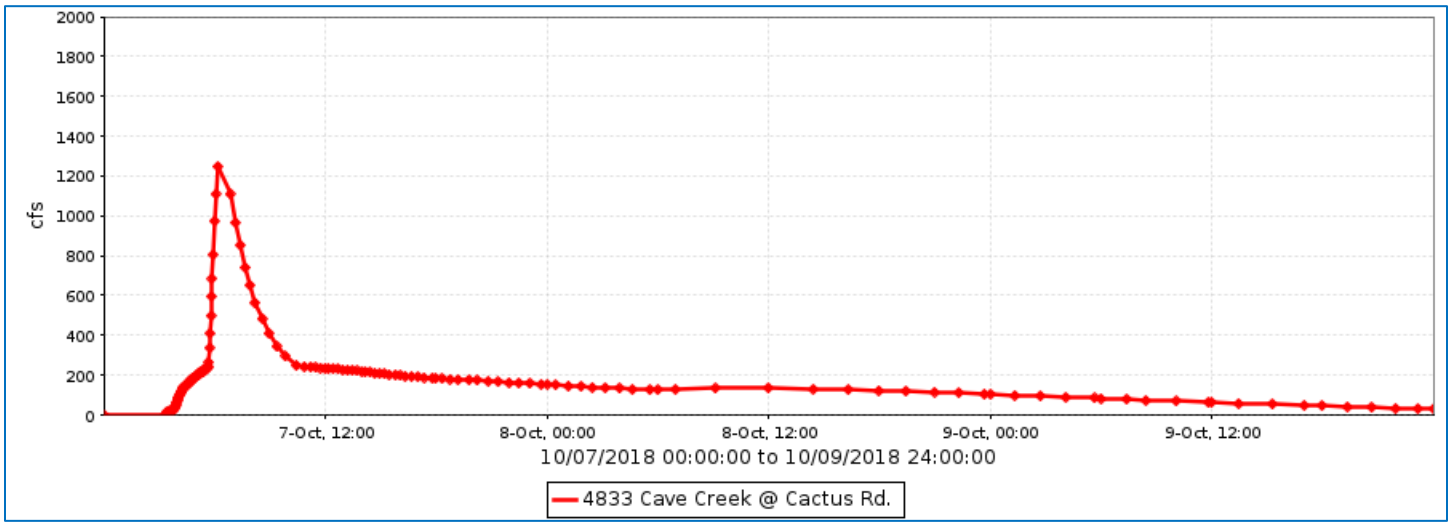




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	11.14	998
10/07/2018	11.36	1,249
10/13/2018	6.98	190
11/30/2018	1.19	16
01/06/2019	1.09	13
02/21/2019	4.73	137
08/29/2019	7.32	196
09/23/2019	7.57	201

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
482	**1,090**	**1,690**	**2,450**	**3,770**	**5,060**

NOTE: These results are based on limited data.

Cave Creek at Cactus Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	236											
3	180											
4	155											
5	41											
6					3							
7	260											
8	129											
9	66											
10	6											
11												
12												
13	74											
14	122											
15	49											
16	3											
17												
18												
19												
20												
21					53							
22					92							
23					10							32
24												138
25												53
26												24
27												59
28											9	31
29					---						95	15
30		4			---						1	7
31		---			---		---		---			---
TOTAL	1321	4	0	3	154	0	0	0	0	0	105	359
MEAN	43	0	0	0	6	0	0	0	0	0	3	12
MAX	1249	16	0	13	137	2	0	0	0	0	196	201
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2621	9	0	7	306	0	0	0	0	0	207	712

WTR YR 2019 TOTAL 1947 MEAN 5 MAX 1249 MIN 0 AC_FT 3862

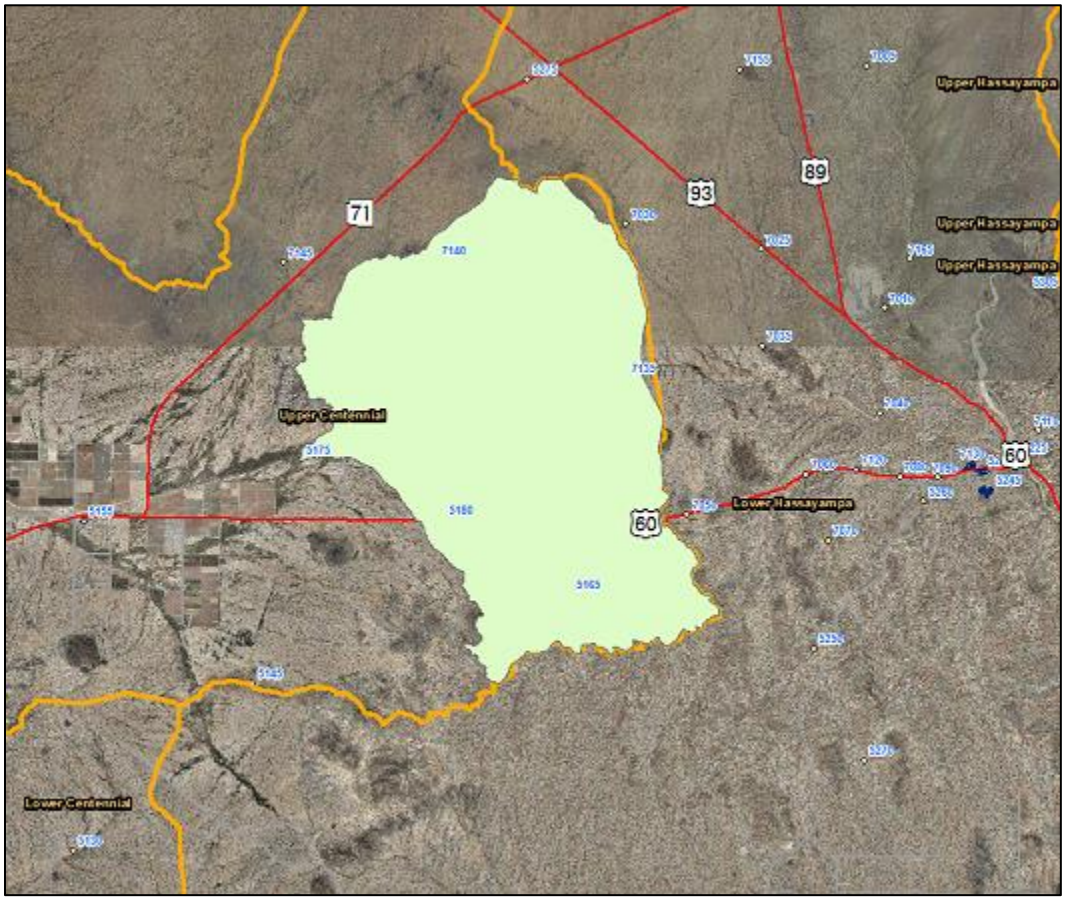
Centennial Wash near Aguila, ID #5178

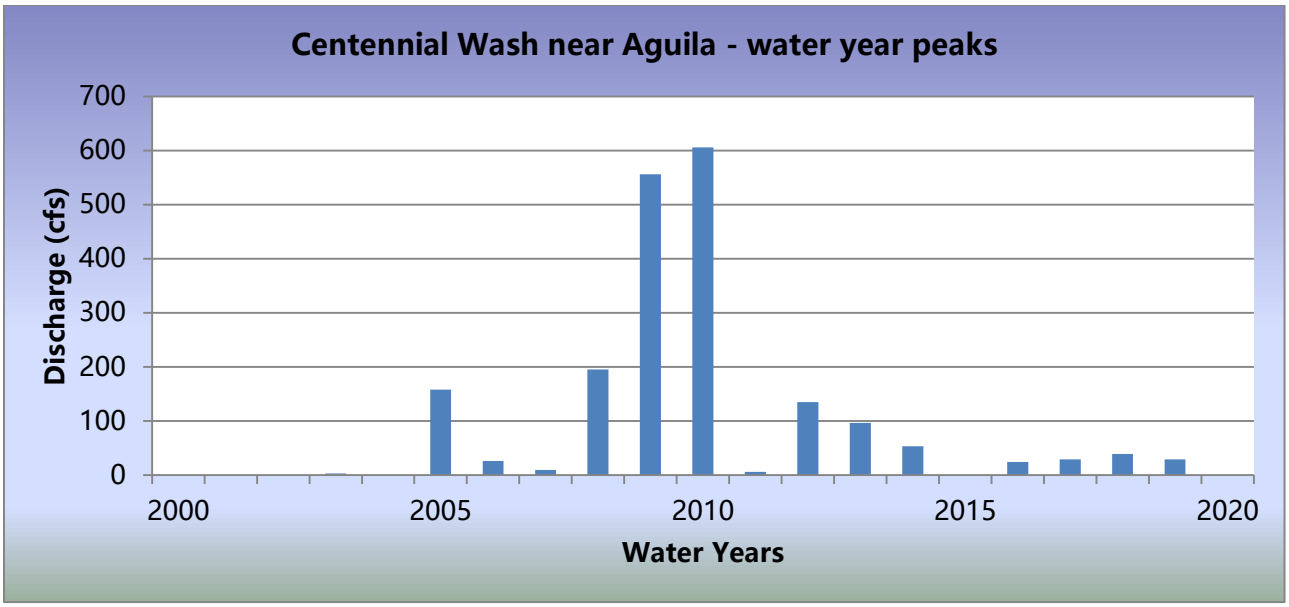


Site Data

LOCATION	Along the Arizona and California Railroad east of SR 71
DRAINAGE AREA	93.4 MI^2
STREAM TYPE	Levee on natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	Upper Centennial
SECTION/TOWNSHIP/RANGE	S11 T7N R8W
LATITUDE	N 33° 58' 00.3" | +33.96675
LONGITUDE	W 113° 04' 07.9" | -113.06887
STREAMGAGE INSTALLATION DATE	06/05/2001 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	06/05/2001 - Current
LENGTH OF AVAILABLE POR DATA	18.32 Years | 6,692 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,272.84 feet NAVD88
POINT OF ZERO FLOW	-0.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	606 cfs | 3.37 feet | 01/21/2010

Watershed Map

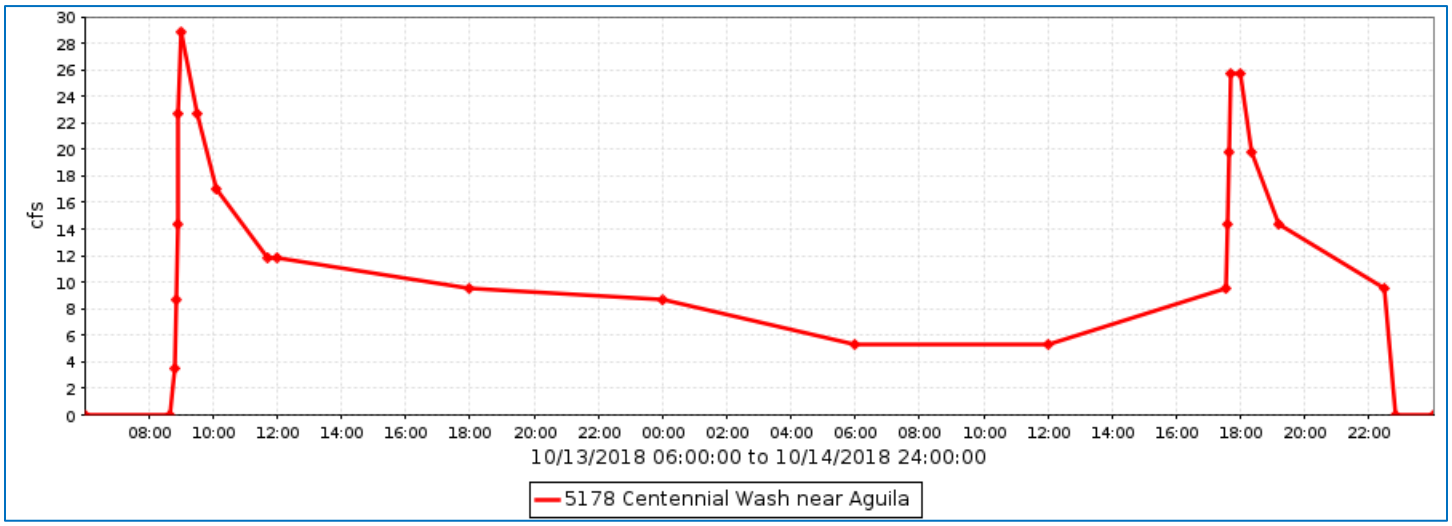




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/07/2018	0.60	26
10/13/2018	0.65	29
10/14/2018	0.60	26
01/15/2019	0.53	22
09/26/2019	0.35	12

Hydrograph of peak WY 2019 flow event, 10/13/2018



Flood Flow Frequency

Flood Flow Frequency N=19, HEC-WRC computation (based on 19 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
29	**133**	**286**	**530**	**1,050**	**1,630**

Centennial Wash near Aguila, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4				1								
5				1								
6												
7	6											
8												
9				1								
10				1								
11												
12				1								
13	8											
14	8											
15				8								
16				3								
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												4
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	23	0	0	20	0	0	0	0	0	0	0	4
MEAN	1	0	0	1	0	0	0	0	0	0	0	0
MAX	29	0	0	22	0	0	0	0	0	0	0	12
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	45	0	0	40	0	0	0	0	0	0	0	8

WTR YR 2019 TOTAL 47 MEAN 0 MAX 29 MIN 0 AC_FT 93

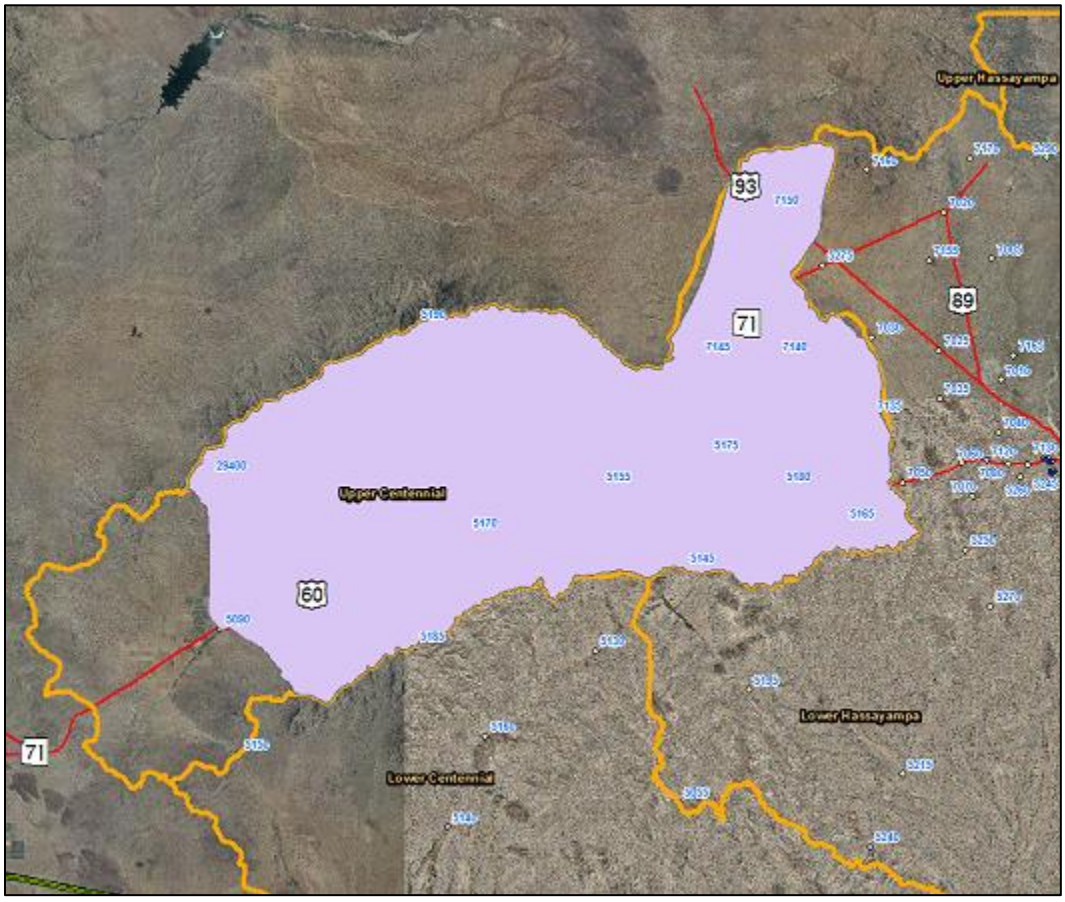
Centennial Wash at Wenden, ID #5093

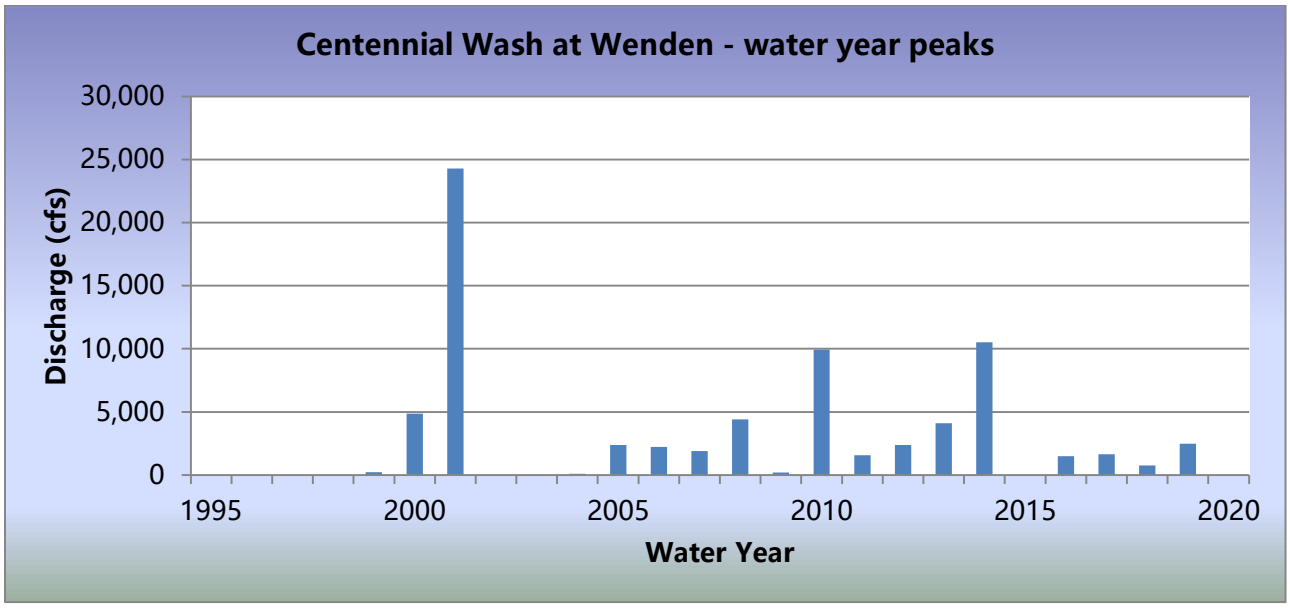


Site Data

LOCATION	In La Paz County on the eastern side of Wenden
DRAINAGE AREA	586 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	La Paz County
WATERSHED	Upper Centennial
SECTION/TOWNSHIP/RANGE	S32 T6N R12W
LATITUDE	N 33° 49' 27.2" | +33.82423
LONGITUDE	W 113° 32' 01.3" | -113.53368
STREAMGAGE INSTALLATION DATE	09/16/1998 - WY 1998
AVAILABLE PERIOD OF RECORD (POR)	09/16/1998 - Current
LENGTH OF AVAILABLE POR DATA	21.04 Years | 7,320 Days
DATA GAPS IN POR	12/01/2002 - 07/07/2004
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,858.64 feet NAVD88
POINT OF ZERO FLOW	-1.7 feet Gage Height
EXTREME FOR PERIOD OF RECORD	24,250 cfs | 7.82 feet | 10/22/2000

Watershed Map

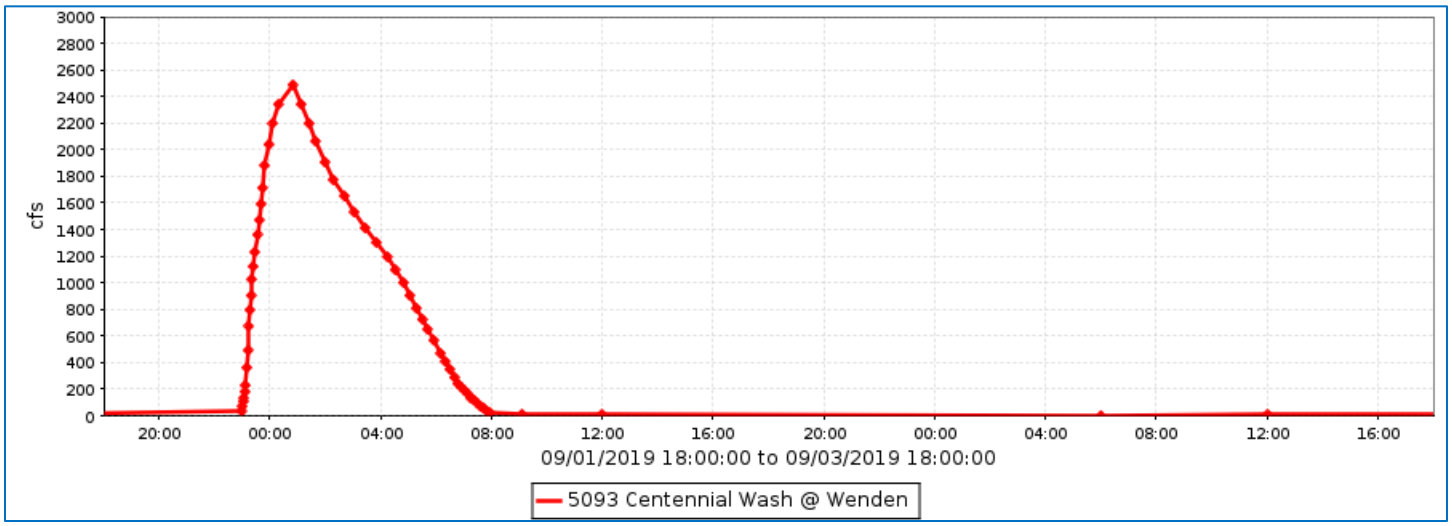




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/12/2018	0.37	35
07/13/2018	1.72	475
07/28/2018	2.09	751
07/30/2018	0.75	105

Hydrograph of peak WY 2019 flow event, 09/02/2019



Flood Flow Frequency

Flood Flow Frequency N=21, HEC-WRC computation (based on 21 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,510	**5,630**	**10,500**	**17,100**	**28,600**	**39,500**

NOTE: These results are based on very limited data.

Centennial Wash at Wenden, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												47
2												430
3												5
4												
5												
6					2							
7					3							
8					3							
9					4							
10					4							
11					3				81			
12					4							
13					4							
14	3				8							
15				503	9							
16				171	4							
17					4							
18				---	4							
19				---	5							
20				---	5							
21				---	7							
22					9							
23					6							559
24					6							1411
25					6							17
26					5							587
27												163
28												14
29					---							
30					---							
31		---			---		---		---			---
TOTAL	3	0	0	682	103	0	0	0	81	0	0	3232
MEAN	0	0	0	22	4	0	0	0	3	0	0	108
MAX	21	0	0	1076	18	0	0	0	312	0	0	2489
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	6	0	0	1353	204	0	0	0	160	0	0	6411

WTR YR 2019 TOTAL 4101 MEAN 11 MAX 2489 MIN 0 AC_FT 8135

Centennial Levee, ID #5123

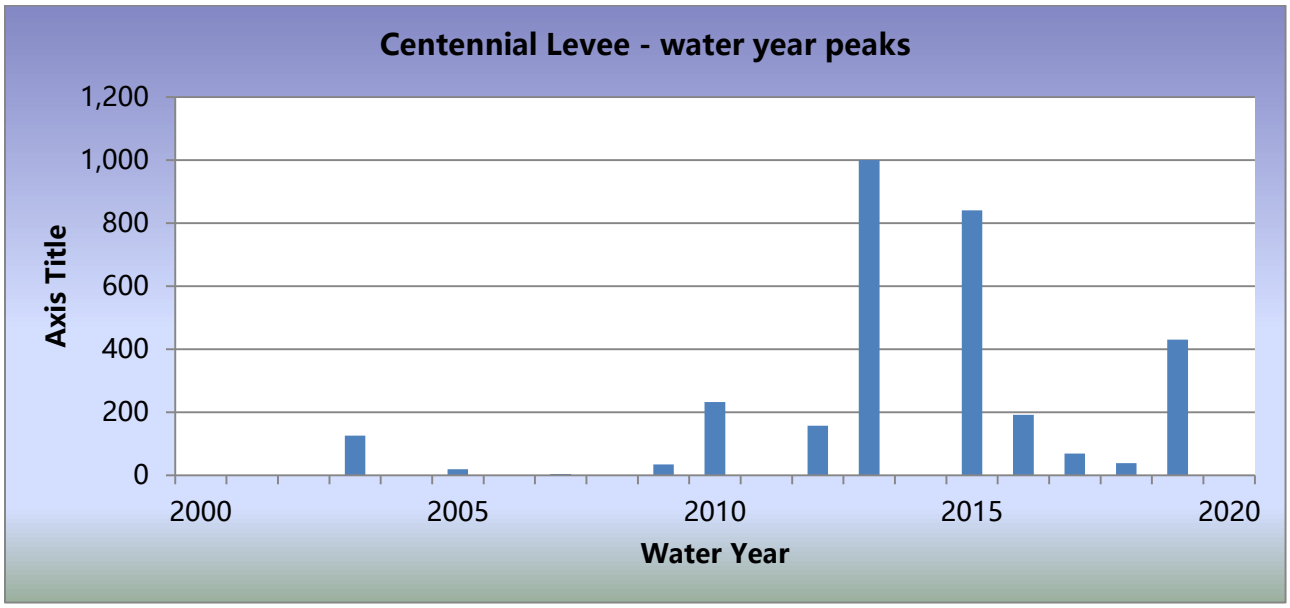


Site Data

LOCATION	Located in western Maricopa County, southwest of Salome Road and I-10
DRAINAGE AREA	20 mi^2
STREAM TYPE	Levee on natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S17 T2N R10W
LATITUDE	N 33° 31' 09.9" | +33.51942
LONGITUDE	W 113° 15' 37.8" | -113.26049
STREAMGAGE INSTALLATION DATE	07/09/2003 - WY 2003
AVAILABLE PERIOD OF RECORD (POR)	07/09/2003 - Current
LENGTH OF AVAILABLE POR DATA	15.23 Years | 5,563 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.65 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,260.70 feet NAVD88
POINT OF ZERO FLOW	0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,000 cfs | 4.50 feet | 09/09/2013

Watershed Map

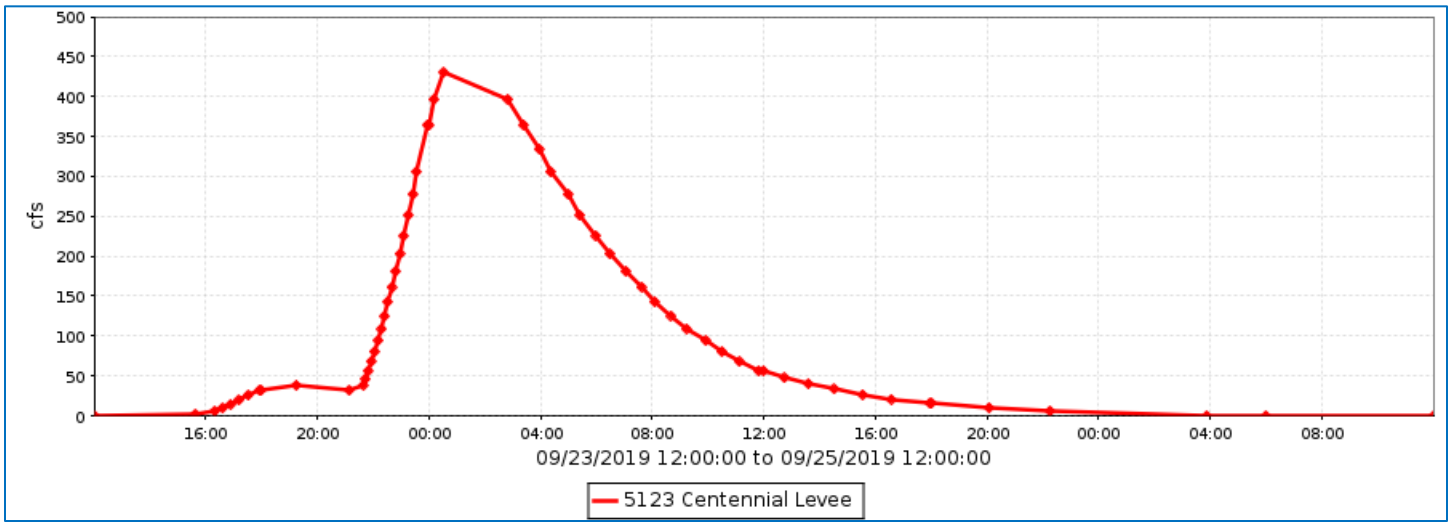




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/15/2019	1.77	68
07/31/2019	1.17	21
09/16/2019	1.45	39
09/24/2019	3.37	430

Hydrograph of peak WY 2019 flow event, 09/24/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Centennial Levee, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15				18								
16				6								6
17												5
18												
19												
20												
21												
22												
23												24
24												137
25												1
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	4		---
TOTAL	0	0	0	23	0	0	0	0	0	5	0	173
MEAN	0	0	0	1	0	0	0	0	0	0	0	6
MAX	0	0	0	68	0	0	0	0	0	21	0	430
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	47	0	0	0	0	0	9	0	344

WTR YR 2019 TOTAL 201 MEAN 1 MAX 430 MIN 0 AC_FT 399

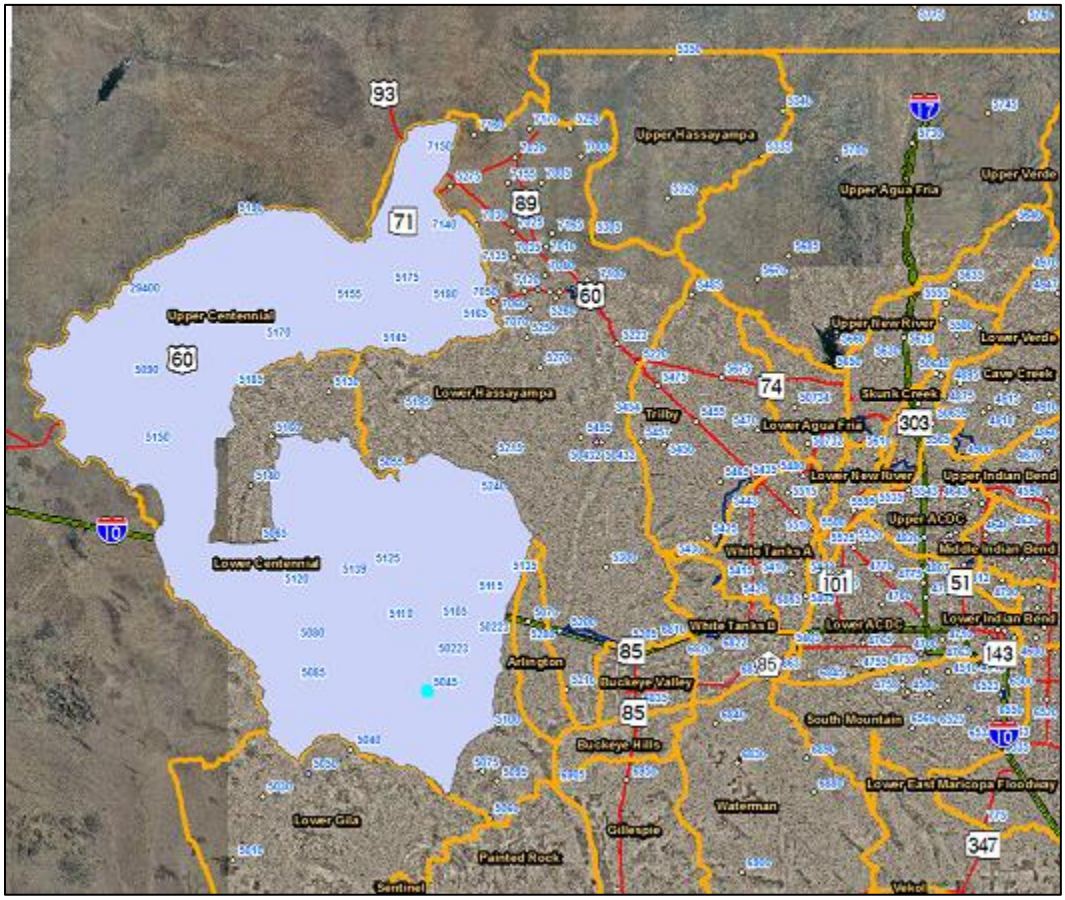
Centennial Wash at SPRR, ID #5103

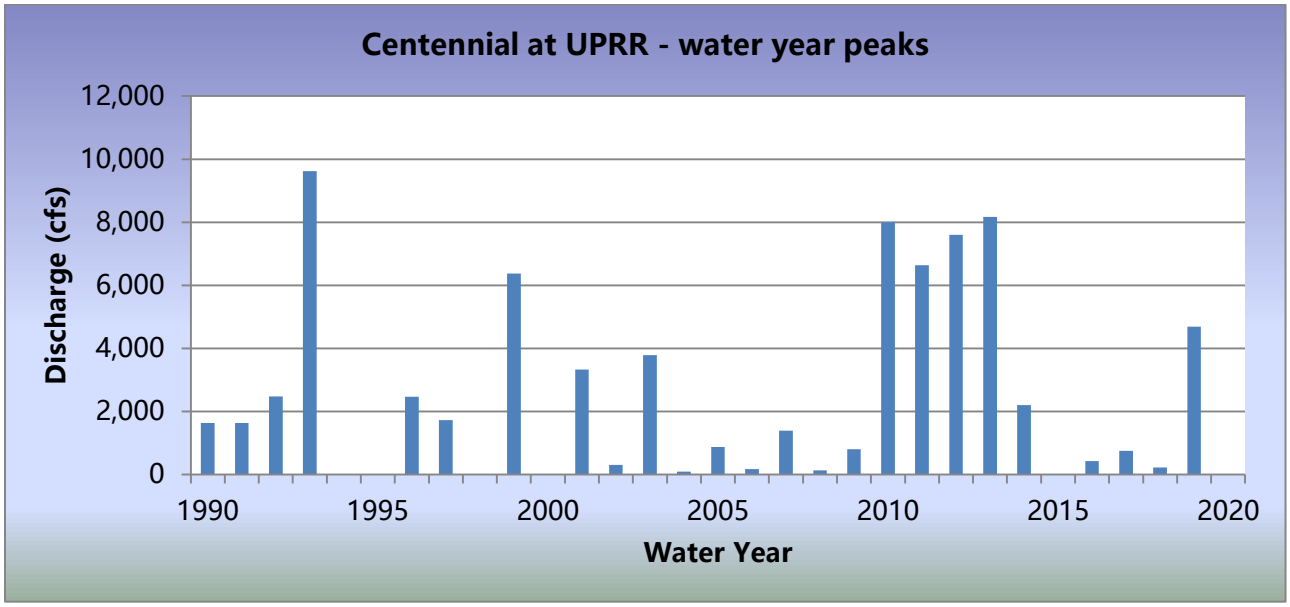


Site Data

LOCATION	Located about 6 miles west of Arlington
DRAINAGE AREA	1,817 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S28 T1S R6W
LATITUDE	N 33° 18' 35.6" | +33.30986
LONGITUDE	W 112° 52' 58.4" | -112.88289
STREAMGAGE INSTALLATION DATE	02/09/1990 - WY 1990
AVAILABLE PERIOD OF RECORD (POR)	02/09/1990 - Current
LENGTH OF AVAILABLE POR DATA	28.64 Years | 10,461 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	3.16 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	839.04 feet NAVD88
POINT OF ZERO FLOW	2.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	9,616 cfs | 9.10 feet | 02/08/1993
EXTREME OUTSIDE PERIOD OF RECORD	15,600 cfs | 09/02/1984

Watershed Map

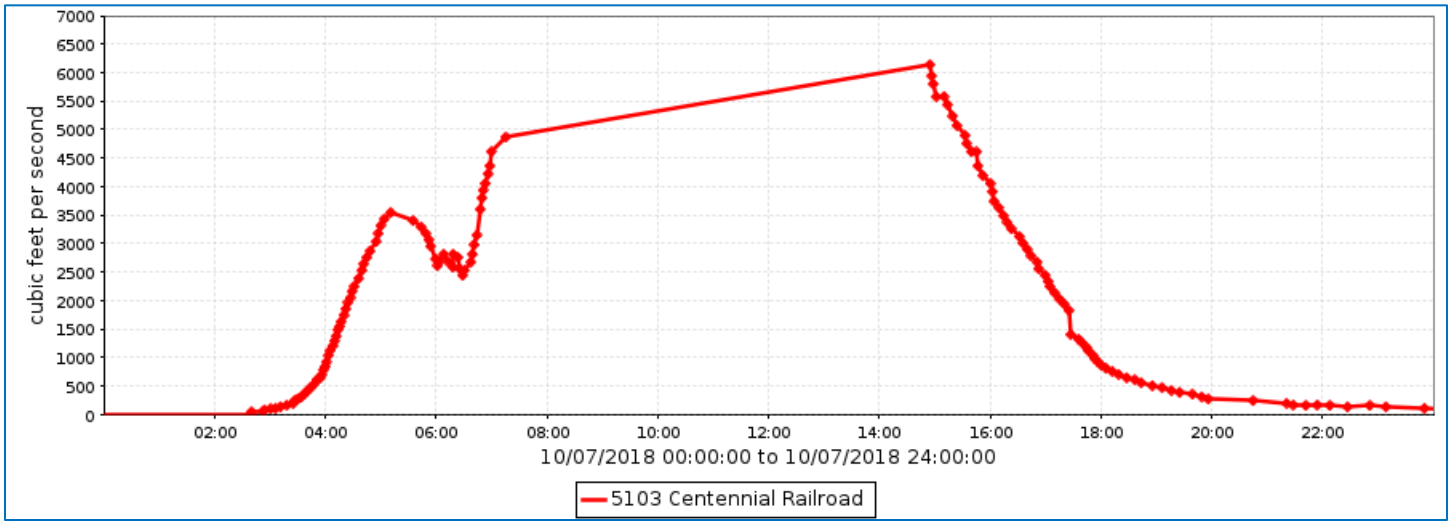




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	7.22	604
10/07/2018	12.31	4,690
09/01/2019	7.48	734
09/24/2019	9.00	1,738

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

Flood Flow Frequency N=30, HEC-WRC computation (based on 30 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,130	**4,140**	**7,680**	**12,400**	**20,500**	**28,200**

NOTE: These results are based on limited data.

Centennial Wash at SPRR, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												47
2	181											120
3	1											
4												
5												
6												
7	2473											
8	18											
9												
10												
11												
12												
13												
14												
15												
16												2
17												
18												
19												
20												
21												
22												
23												
24												636
25												28
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	2674	4	5	5	4	5	4	5	4	5	5	837
MEAN	86	0	0	0	0	0	0	0	0	0	0	28
MAX	6133	0	0	0	0	0	0	0	0	0	0	1738
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	5305	9	9	9	8	9	9	9	9	9	9	1660

WTR YR 2019 TOTAL 3557 MEAN 10 MAX 6133 MIN 0 AC_FT 7055

Centennial Tributary at Dobbins Road, ID #5049

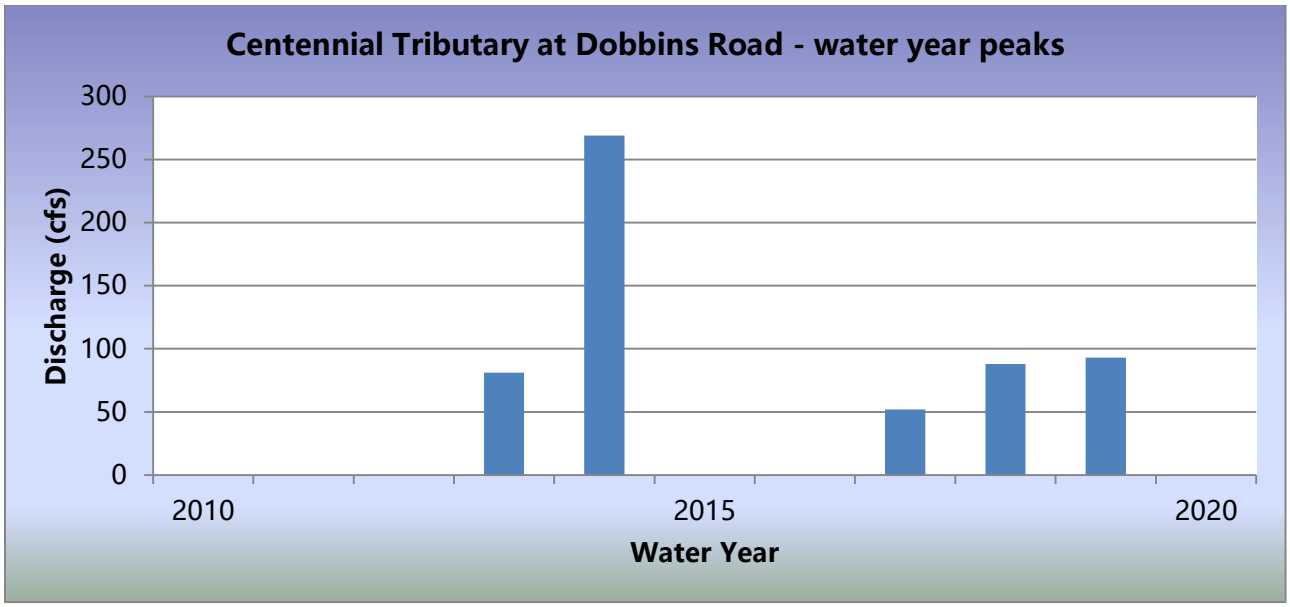


Site Data

LOCATION	Located near the intersection of Dobbins Road and 435th Avenue
DRAINAGE AREA	2.47 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S05 T1S R7W
LATITUDE	N 33° 21' 49.1" | +33.36364
LONGITUDE	W 112° 59' 35.6" | -112.99321
STREAMGAGE INSTALLATION DATE	09/26/2012 - WY 2012
AVAILABLE PERIOD OF RECORD (POR)	10/01/2012 - Current
LENGTH OF AVAILABLE POR DATA	7.00 Years | 2,556 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.20 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,005.31 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	269 cfs | 2.82 feet | 03/01/2014

Watershed Map

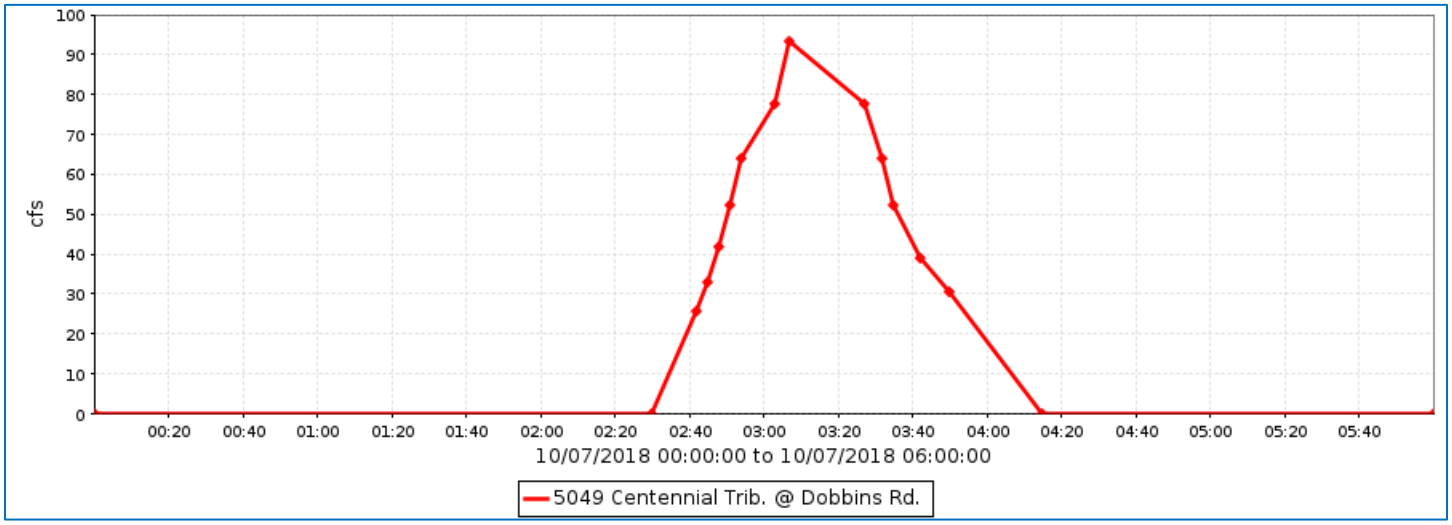




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/07/2018	1.90	93

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Centennial Tributary at Dobbins Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7	4											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17										---		
18												
19				5						---		
20										---		
21										---		
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	4	0	0	5	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	93	0	0	21	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	7	0	0	10	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 9 MEAN 0 MAX 93 MIN 0 AC_FT 17

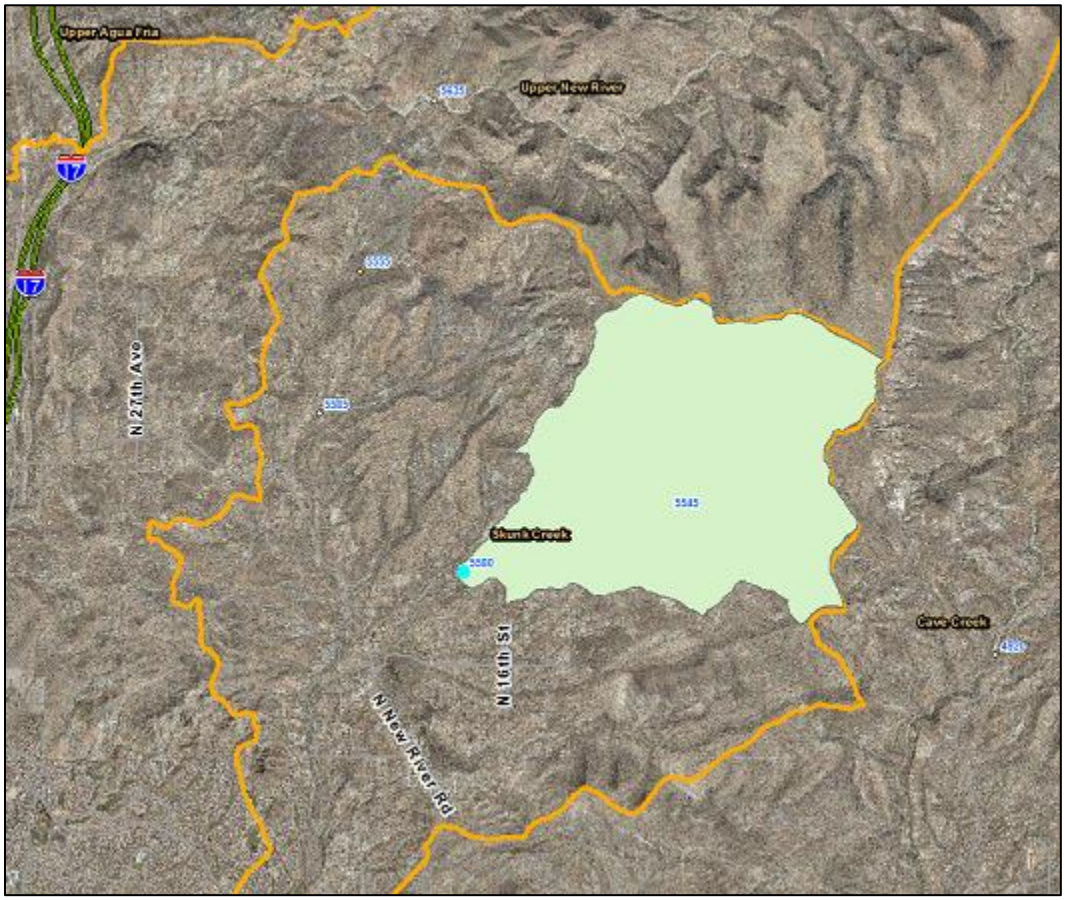
Cline Creek, ID #5583

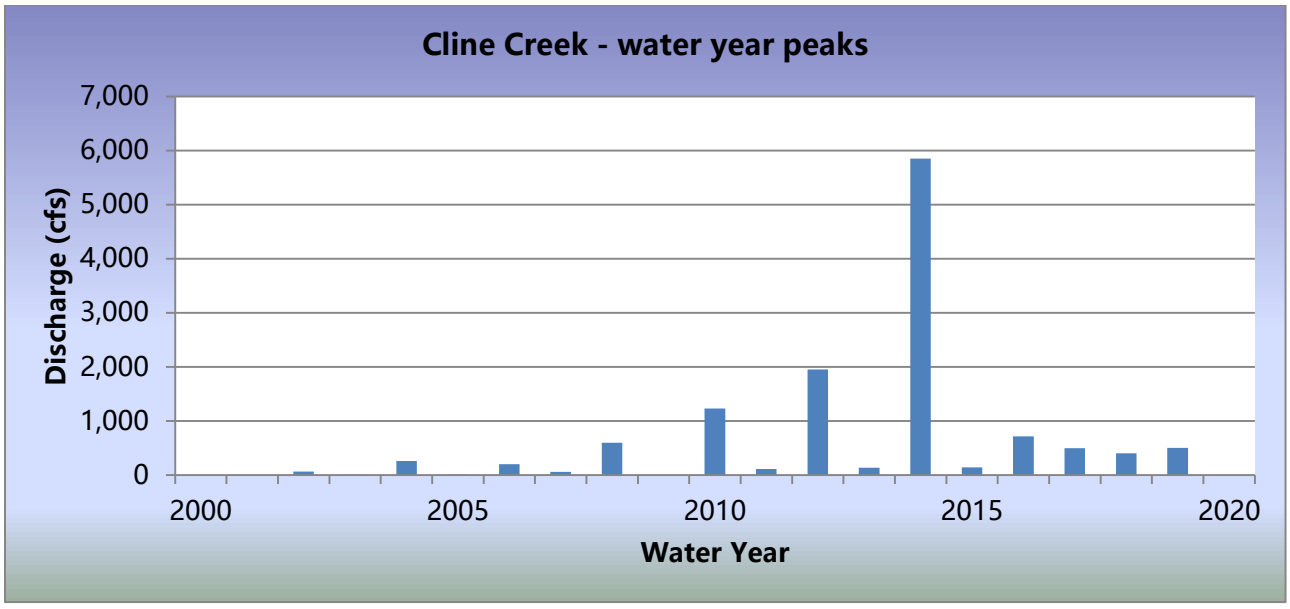


Site Data

LOCATION	Located about 1 mile north of Circle Mountain Road just off 12th Street
DRAINAGE AREA	10.8 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S33 T7N R3E
LATITUDE	N 33° 54' 03.5" | +33.90097
LONGITUDE	W 112° 03' 17.9" | -112.05497
STREAMGAGE INSTALLATION DATE	11/20/2001 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	11/20/2001 - Current
LENGTH OF AVAILABLE POR DATA	17.86 Years | 6,524 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.95 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,171.07 feet NAVD88
POINT OF ZERO FLOW	-0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,850 cfs | 8.15 feet | 08/19/2014

Watershed Map

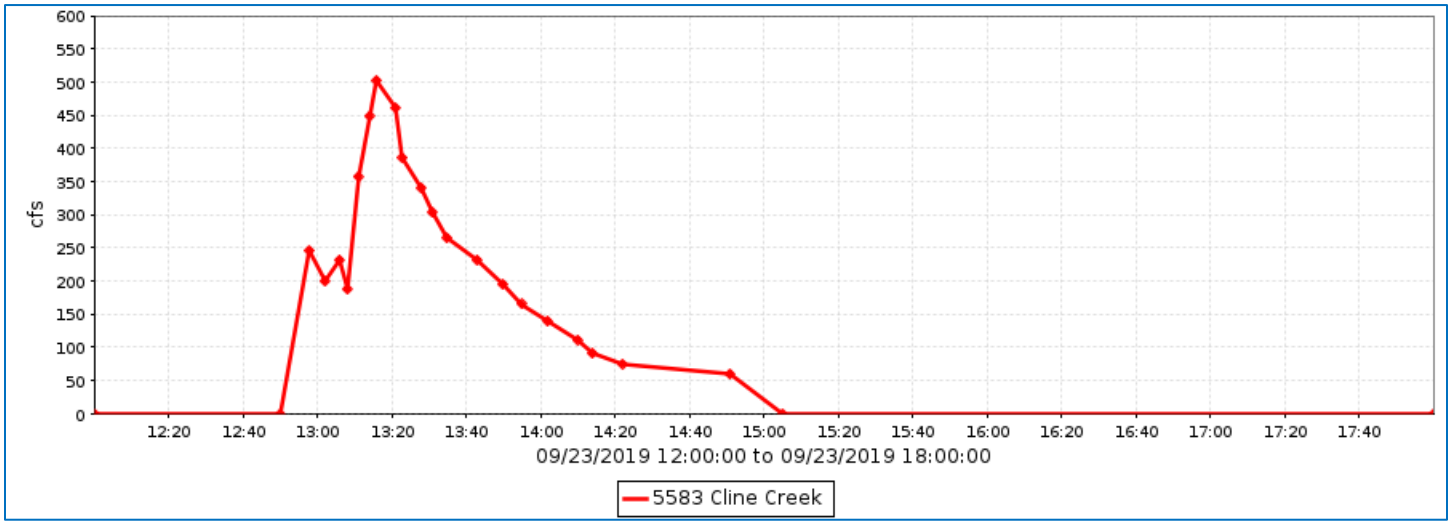




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.72	152
10/07/2018	1.57	123
10/13/2018	1.69	146
10/23/2018	1.44	100
09/23/2019	2.93	503
09/26/2019	2.51	368

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=18, HEC-WRC computation (based on 18 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
199	**1,030**	**2,270**	**4,170**	**7,950**	**11,900**

NOTE(1): These results are based on very limited data.

Cline Creek, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	19											
3												
4												
5												
6												
7	24											
8												
9												
10												
11									20			
12												
13	4											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23	7											16
24												
25												
26												8
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	54	0	0	0	0	0	0	0	20	0	0	25
MEAN	2	0	0	0	0	0	0	0	1	0	0	1
MAX	152	0	0	0	0	0	0	0	573	0	0	503
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	106	0	0	0	0	0	0	0	40	0	0	49

WTR YR 2019 TOTAL 98 MEAN 0 MAX 573 MIN 0 AC_FT 195

Colter Channel, ID #5408

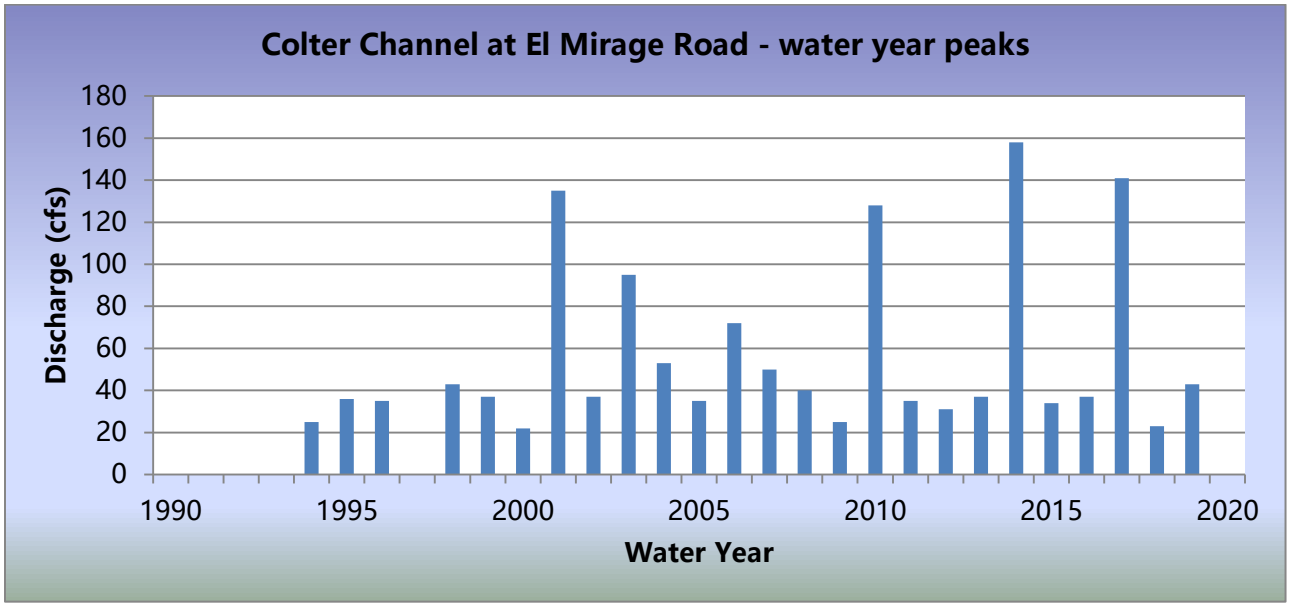


Site Data

LOCATION	Located on El Mirage Road north of Camelback Road
DRAINAGE AREA	3.5 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	White Tanks A
SECTION/TOWNSHIP/RANGE	S13 T2N R1W
LATITUDE	N 33° 30' 41.1" | +33.51141
LONGITUDE	W 112° 19' 25.6" | -112.32376
ARIZONA STATE PLANE	E 575915 | N 913851
USGS QUAD SHEET	El Mirage 7.5-Minute
STREAMGAGE INSTALLATION DATE	06/29/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	06/29/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.26 Years | 9,225 Days
DATA GAPS IN POR	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,025.27 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	158 cfs | 1.52 feet | 09/08/2014

Watershed Map

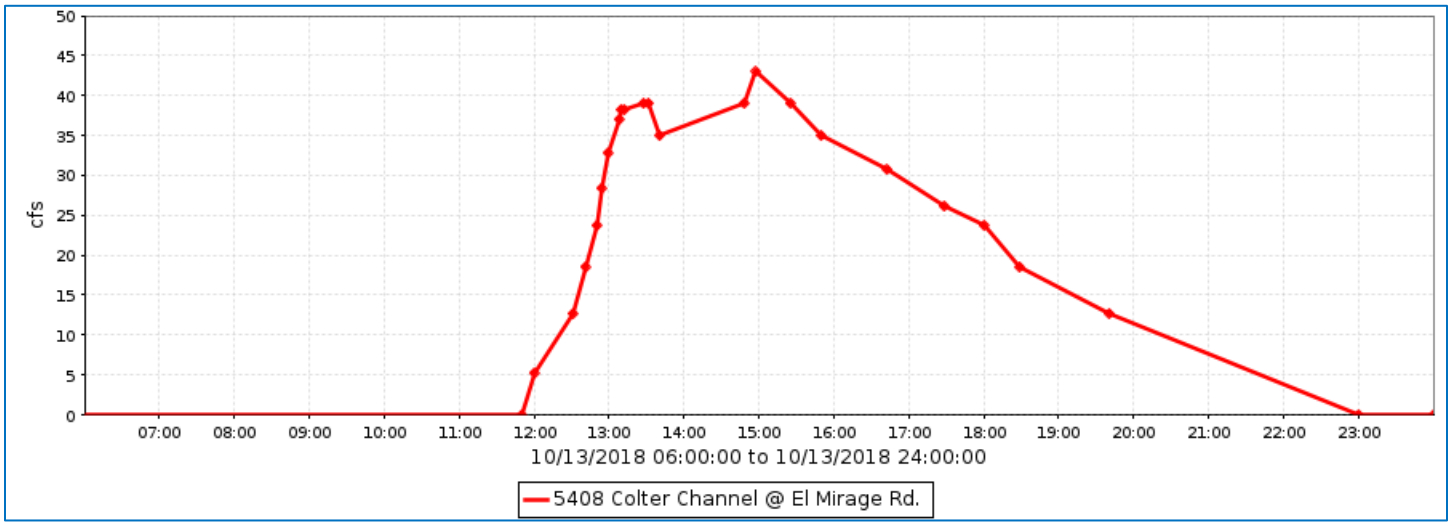




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	0.62	32
10/07/2018	0.54	28
10/13/2018	0.89	43
02/21/2019	0.47	25
09/23/2019	0.52	28
09/25/2019	0.42	23

Hydrograph of peak WY 2019 flow event, 10/13/2018



Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
43	**74**	**99**	**129**	**175**	**216**

NOTE: These results are based on very limited data.

Colter Channel, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	9											
3												
4												
5												
6				2								
7	5											
8												
9												
10												
11									5			
12												
13	11											
14												
15												
16												
17												
18												
19												
20												
21					6							
22					5							
23												3
24												3
25												2
26												
27												
28												
29		7			---							
30					---							
31		---			---		---		---			---
TOTAL	25	7	0	2	10	0	0	0	5	0	0	7
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	43	19	0	11	25	0	0	0	23	0	0	28
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	49	14	0	4	21	0	0	0	9	0	0	15

WTR YR 2019 TOTAL 57 MEAN 0 MAX 43 MIN 0 AC_FT 112

Columbus Wash – ID #5013

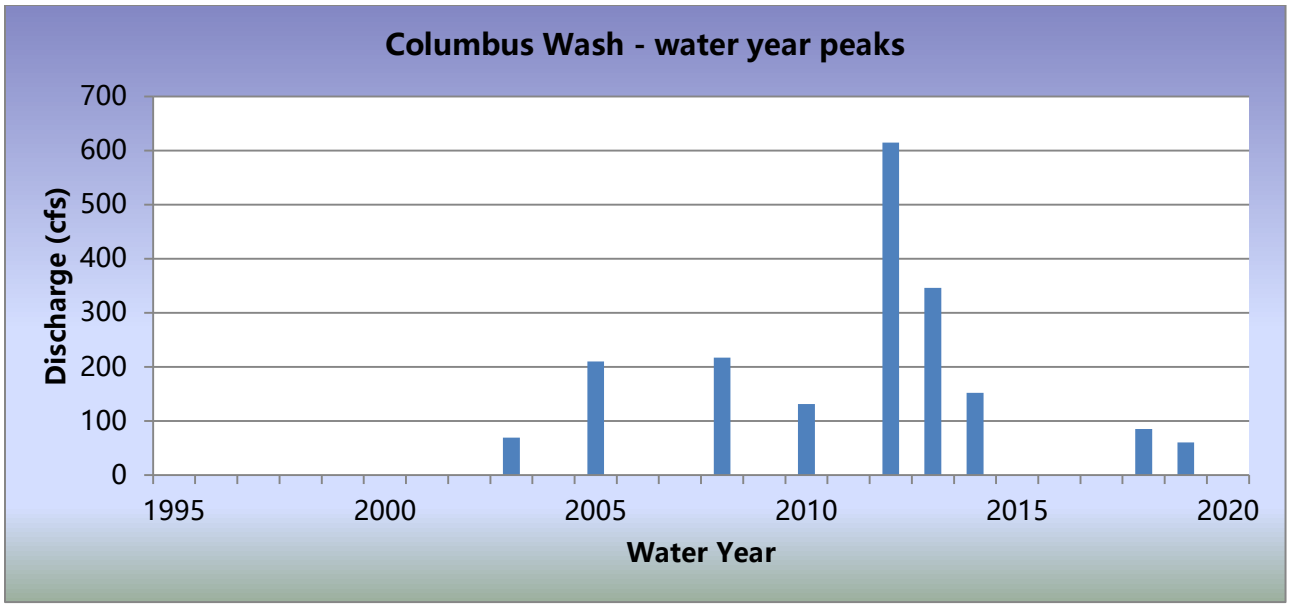


Site Data

LOCATION	Located at the east edge of Yuma County in the Hyder Valley
DRAINAGE AREA	25.4 mi^2
STREAM TYPE	Encroached Natural Stream
JURISDICTION	Yuma County, Arizona
WATERSHED	Lower Gila
SECTION/TOWNSHIP/RANGE	S06 T4S R10W
LATITUDE	N 33° 06' 45.7" | +33.11268
LONGITUDE	W 113° 20' 22.1" | -113.33946
STREAMGAGE INSTALLATION DATE	09/22/1999 - WY 1999
AVAILABLE PERIOD OF RECORD (POR)	09/22/1999 - Current
LENGTH OF AVAILABLE POR DATA	20.02 Years | 7,314 Days
DATA GAPS IN POR	12/18/2012 - 01/07/2013
STAGE GAGE ELEVATION	2.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	713.58 feet NAVD88
POINT OF ZERO FLOW	1.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	615 cfs | 2.45 feet | 09/04/2012

Watershed Map

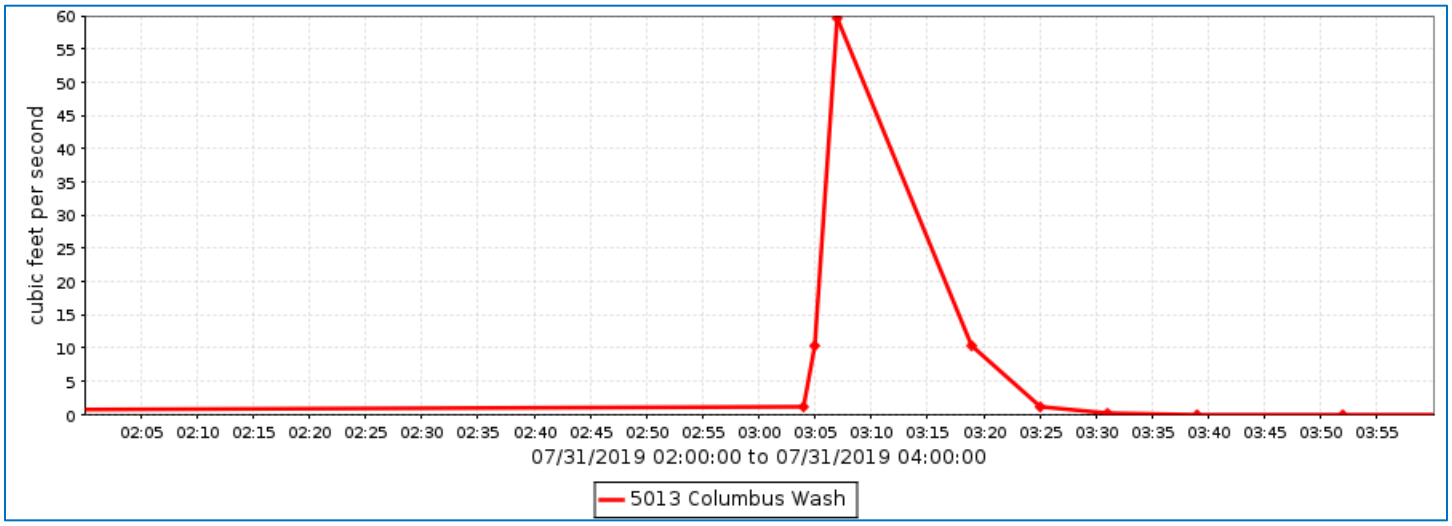




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/31/2019	2.53	60
09/02/2019	2.08	20

Hydrograph of peak WY 2019 flow event, 07/31/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Columbus Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	1		---
TOTAL	0	0	0	0	0	0	0	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	60	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	1	0	0

WTR YR 2019 TOTAL 1 MEAN 0 MAX 60 MIN 0 AC_FT 1

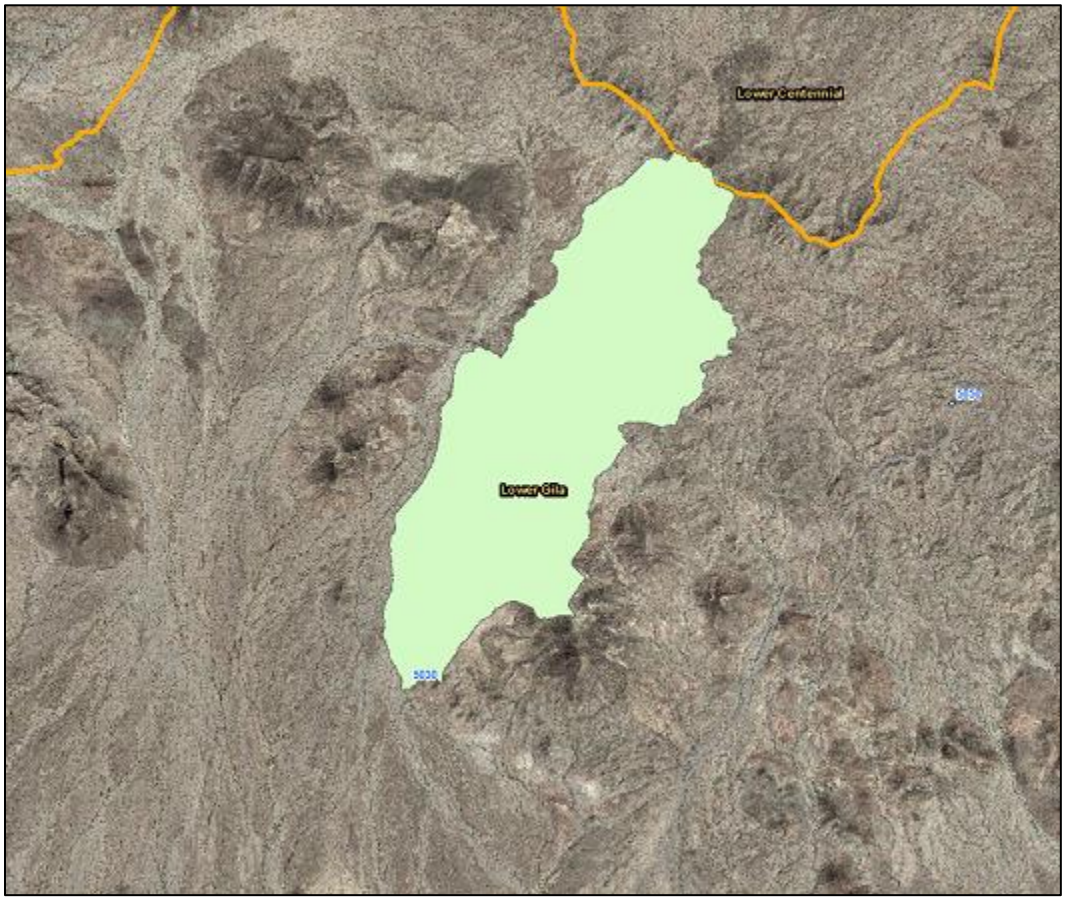
Copper Wash, ID #5033

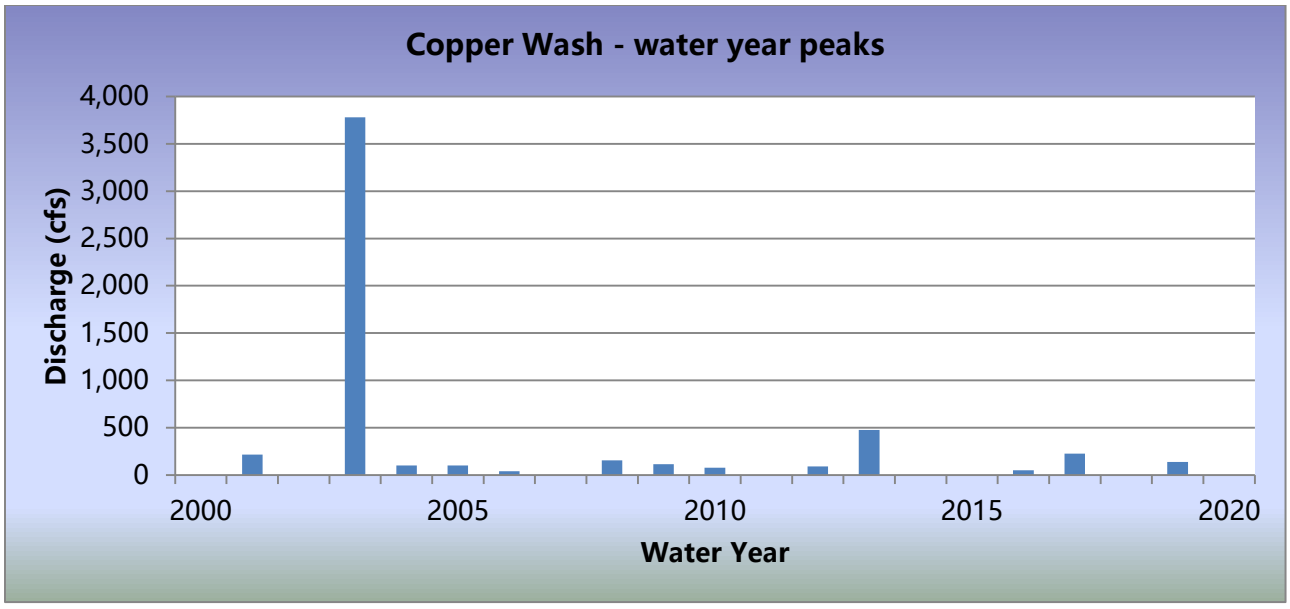


Site Data

LOCATION	Located in western Maricopa County near the Hyder Valley
DRAINAGE AREA	6.6 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Gila
SECTION/TOWNSHIP/RANGE	S33 T2S R10W
LATITUDE	N 33° 12' 20.0" | +33.20557
LONGITUDE	W 113° 17' 05.4" | -113.28483
STREAMGAGE INSTALLATION DATE	02/20/2001 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	02/20/2001 - Current
LENGTH OF AVAILABLE POR DATA	18.61 Years | 6,797 Days
DATA GAPS IN POR	08/27/2003 - 09/04/2003
STAGE GAGE ELEVATION	0.80 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,064.00 feet NAVD88
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,780 cfs | 5.69 feet | 08/27/2003

Watershed Map

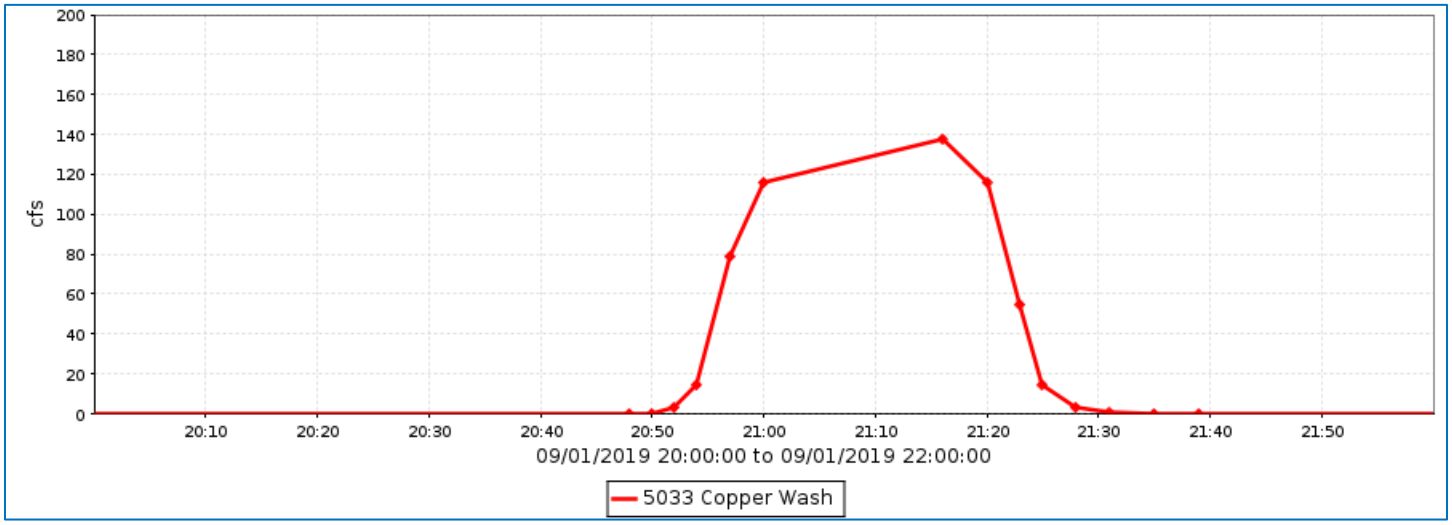




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
09/01/2019	1.63	138

Hydrograph of peak WY 2019 flow event, 09/01/2019



Flood Flow Frequency

Flood Flow Frequency N=19, HEC-WRC computation (based on 19 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
51	**294**	**683**	**1,320**	**2,690**	**4,240**

NOTE: These results are based on very limited data.

Copper Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												2
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
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21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	2
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	138
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	4

WTR YR 2019 TOTAL 2 MEAN 0 MAX 138 MIN 0 AC_FT 4

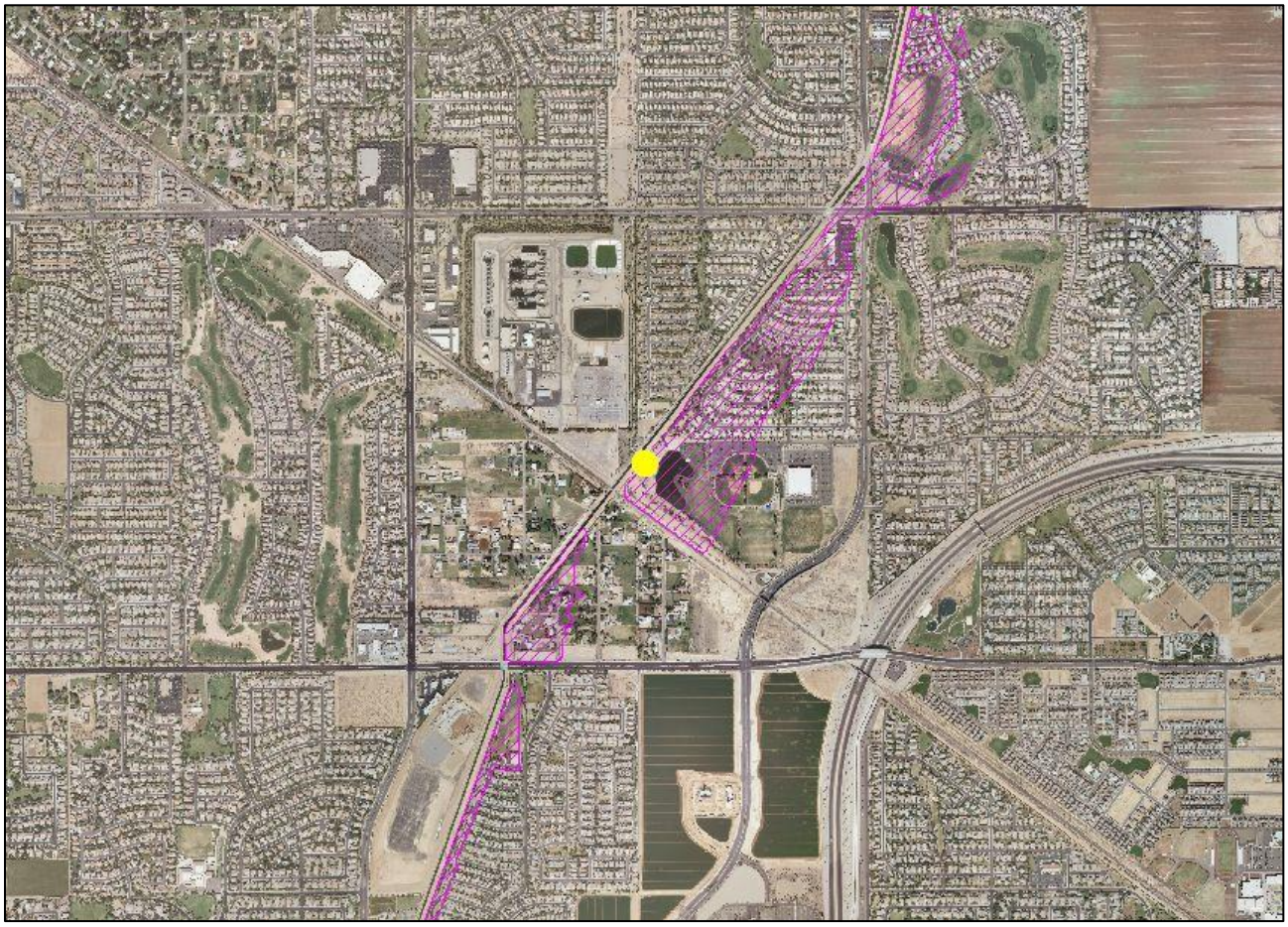
Crossroads Park Basin, ID #6623

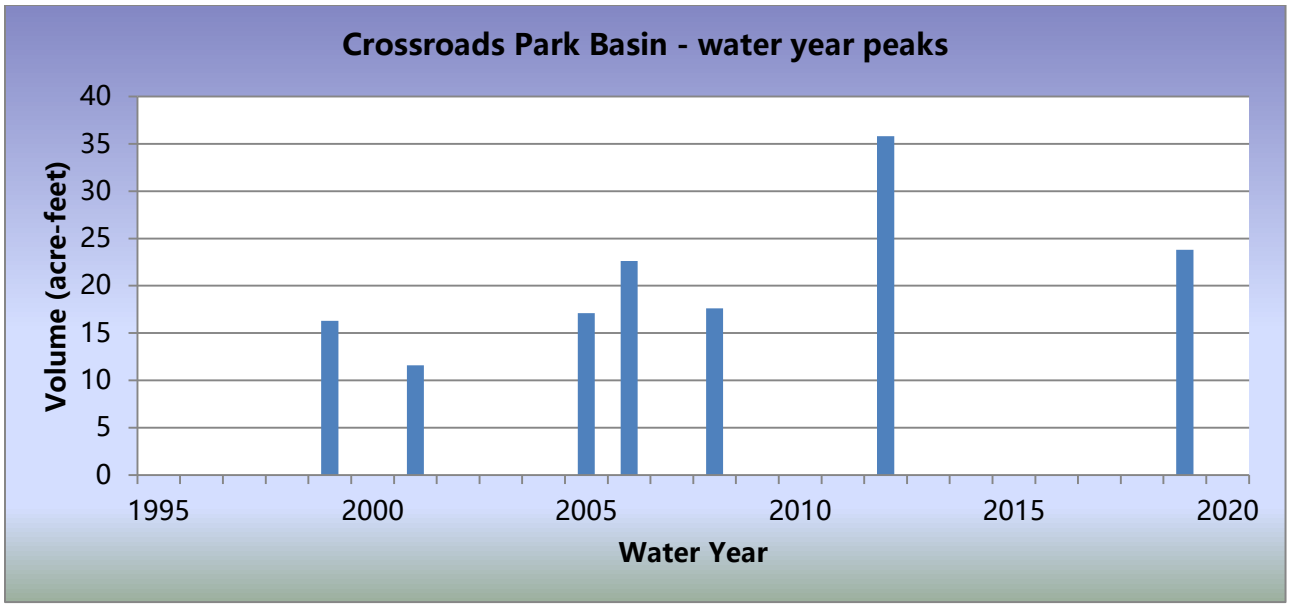


Site Data

LOCATION	Near Greenfield and Ray Roads
DRAINAGE AREA	15.7 mi^2
STREAM TYPE	Flood control basin
JURISDICTION	Gilbert, Arizona
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S21 T1S R6E
LATITUDE	N 33° 19' 39.7" | +33.32770
LONGITUDE	W 111° 44' 47.9" | -111.74665
STREAMGAGE INSTALLATION DATE	12/18/1995 - WY 1996
AVAILABLE PERIOD OF RECORD (POR)	12/18/1995 - Current
LENGTH OF AVAILABLE POR DATA	23.79 Years | 8,688 Days
DATA GAPS IN POR	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	1.33 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,248.46 feet NAVD88
POINT OF ZERO FLOW	None - Pump Control
SPILLWAY CREST ELEVATION	None
TOP OF BASIN ELEVATION	23.3 feet Gage Height

Location Map

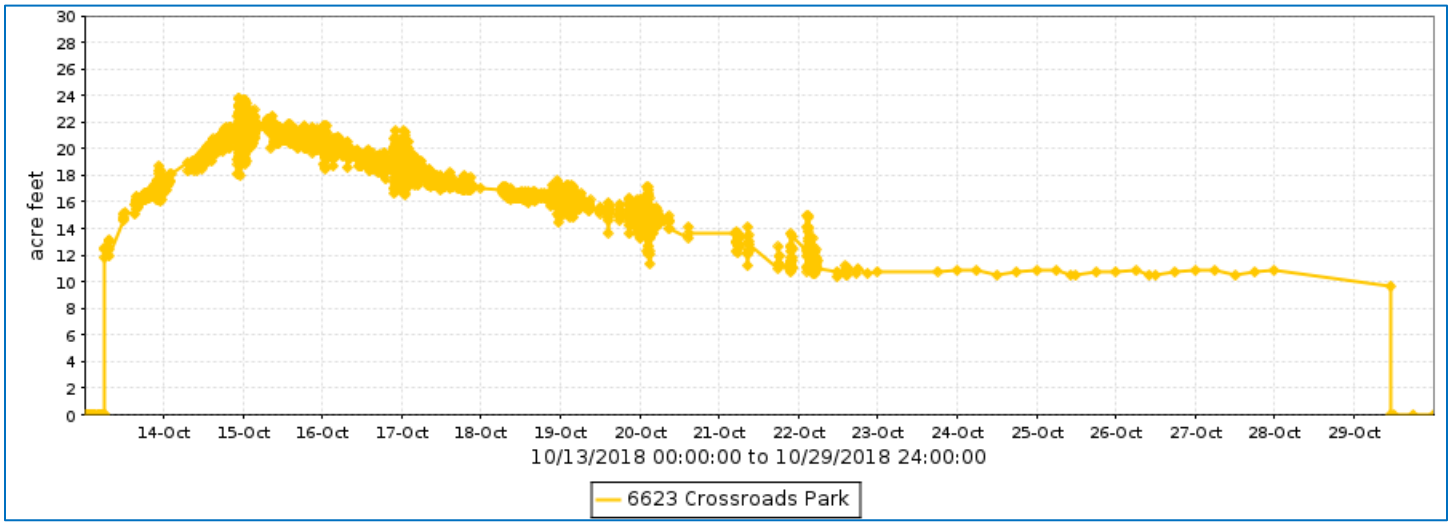




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/14/2018	3.05	23.8	5.6

Hydrograph of peak WY 2019 impoundment event, 10/14/2018



Crossroads Park, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14	24											
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24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	24	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 24 MIN 0

Crossroads Park Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.3	1.3	1.3	1.4
2	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.3	1.4
3	1.3	1.3	1.3	1.3	---	1.3	1.5	1.5	1.3	1.3	1.3	1.4
4	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
5	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
6	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
7	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
8	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.5	1.3	1.3	1.4	1.4
9	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
10	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
11	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
12	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
13	1.8	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
14	2.5	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
15	2.7	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
16	2.6	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
17	2.4	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	---
18	2.2	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.3
19	2.0	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
20	1.8	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
21	1.7	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	---
22	1.5	1.3	1.3	1.3	---	1.3	1.5	1.5	1.3	1.3	1.4	---
23	1.4	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	---
24	1.4	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	---
25	1.4	1.3	1.4	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
26	1.4	1.3	1.4	1.3	1.3	1.3	1.4	1.5	1.3	1.3	1.4	1.4
27	1.4	1.3	1.4	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
28	1.4	1.3	1.4	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
29	1.3	1.3	1.4	1.3	---	1.3	1.5	1.3	1.3	1.3	1.4	1.3
30	1.3	1.3	1.3	1.3	---	1.3	1.5	1.3	1.3	1.3	1.4	1.3
31	1.3	---	1.3	1.3	---	1.3	---	1.3	---	1.3	1.4	---
MEAN	1.6	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.4
MAX	3.0	1.3	1.4	1.3	1.3	1.3	1.8	1.9	1.3	1.3	1.4	1.4
MIN	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

WTR YR 2019 MEAN 1.39 MAX 3.05 MIN 1.33

Cruff Wash, ID #5078

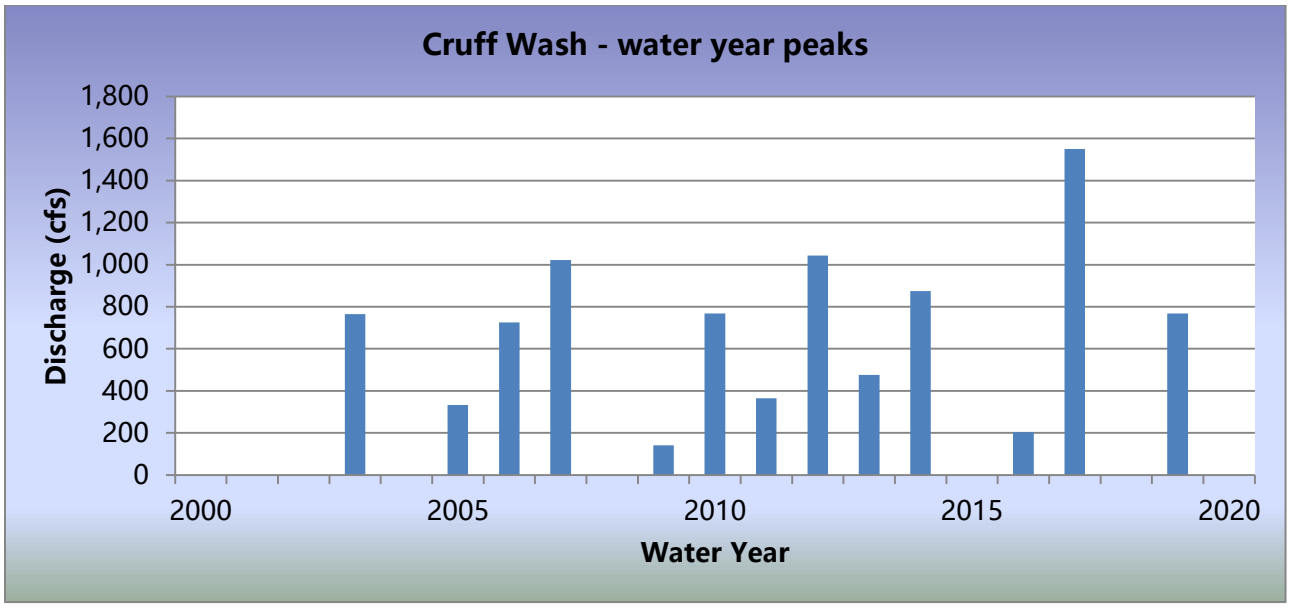


Site Data

LOCATION	Located about 7 miles west of Old US80 south of Agua Caliente Road
DRAINAGE AREA	13.2 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S20 T2S R6W
LATITUDE	N 33° 15' 04.0" | +33.25111
LONGITUDE	W 112° 52' 54.5" | -112.88180
STREAMGAGE INSTALLATION DATE	05/14/2002 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	05/14/2002 - Current
LENGTH OF AVAILABLE POR DATA	17.38 Years | 6,349 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.33 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	937.36 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,550 cfs | 4.14 feet | 07/29/2017

Watershed Map

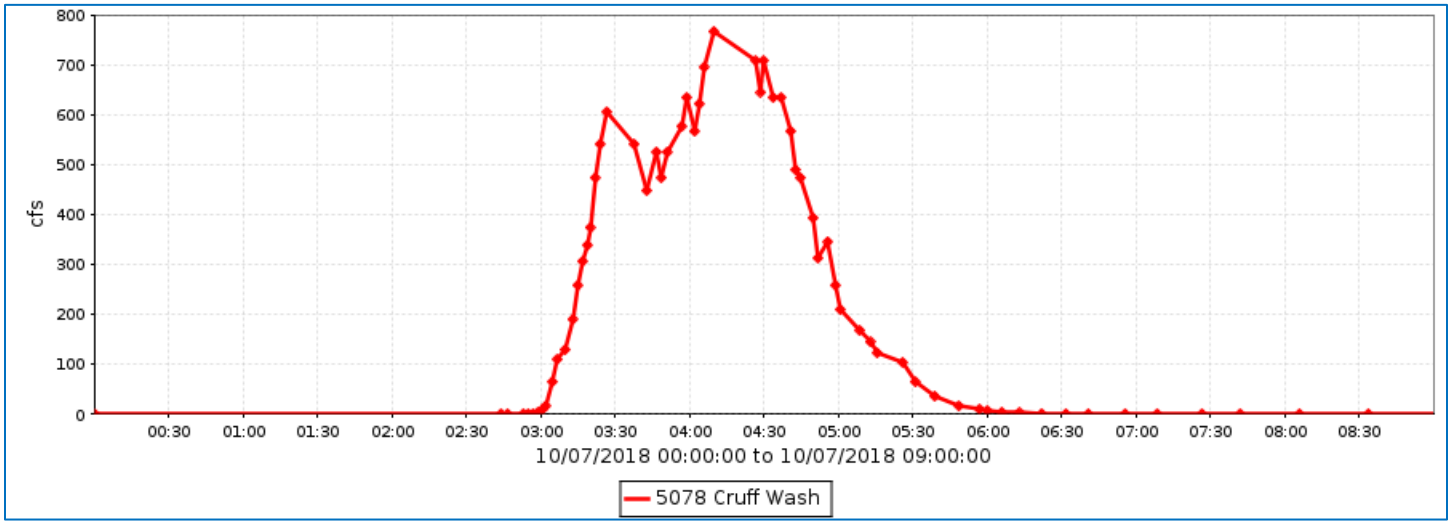




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/07/2018	3.80	768
09/01/2019	2.73	251

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

Flood Flow Frequency N=18, HEC-WRC computation (based on 18 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
400	**902**	**1,310**	**1,750**	**2,350**	**2,830**

NOTE: These results are based on very limited data.

Cruff Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												5
2												
3												
4												
5												
6												
7	46											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	47	0	0	0	0	0	0	0	0	0	0	5
MEAN	2	0	0	0	0	0	0	0	0	0	0	0
MAX	768	0	0	0	0	0	0	0	0	0	0	251
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	92	0	0	0	0	0	0	0	0	0	0	10

WTR YR 2019 TOTAL 52 MEAN 0 MAX 768 MIN 0 AC_FT 102

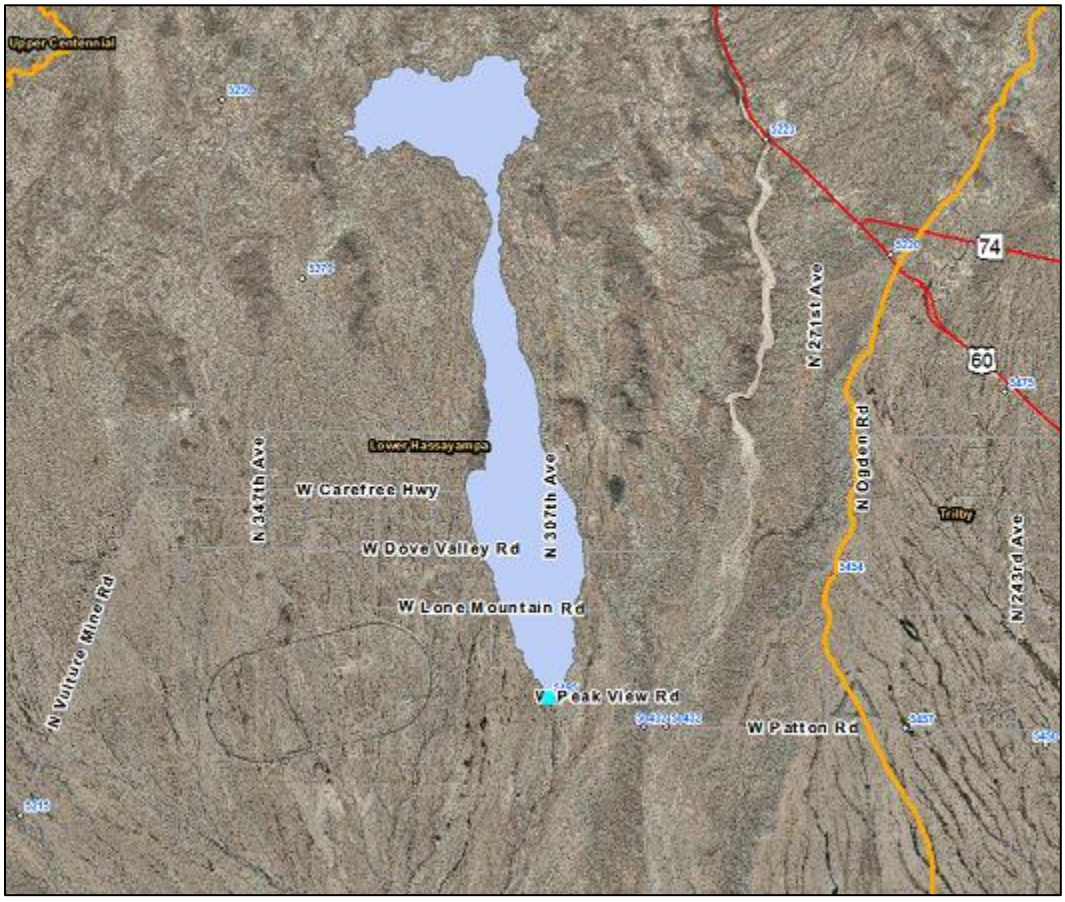
Daggs Wash, ID #5498

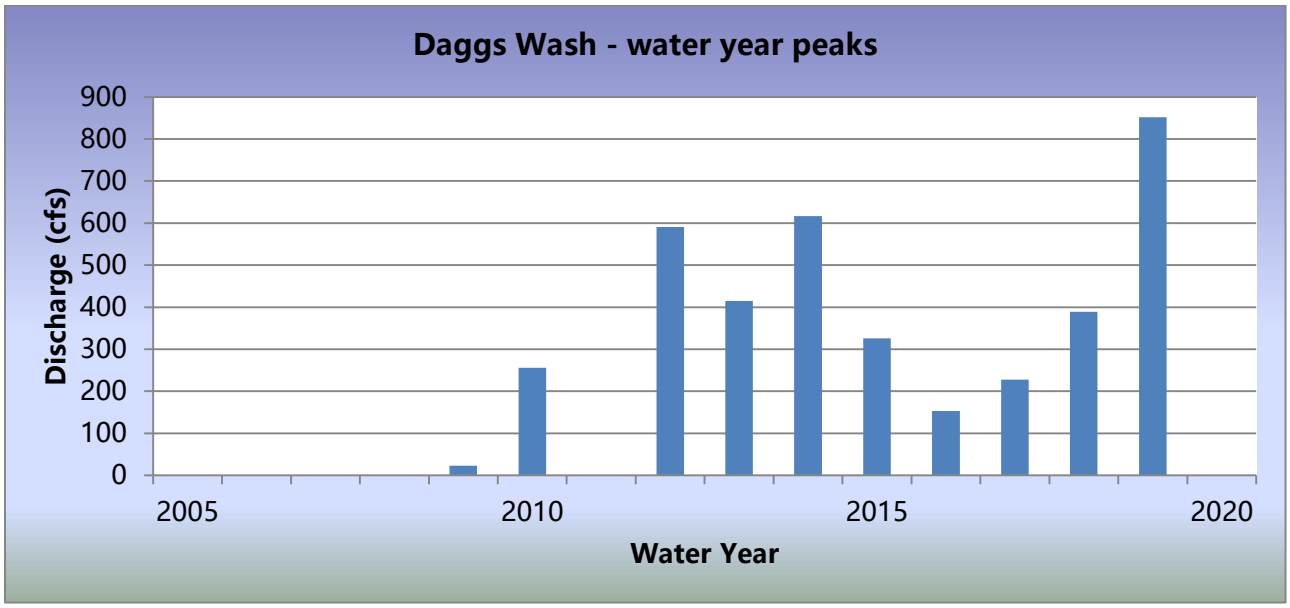


Site Data

LOCATION	Near 307th Avenue and Peak View Road
DRAINAGE AREA	13.3 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S25 T5N R5W
LATITUDE	N 33° 44' 45.2" | +33.74590
LONGITUDE	W 112° 43' 30.2" | -112.72506
STREAMGAGE INSTALLATION DATE	11/08/2007 - WY 2008
AVAILABLE PERIOD OF RECORD (POR)	11/08/2007 - Current
LENGTH OF AVAILABLE POR DATA	11.90 Years | 4,345 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,668.55 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	617 cfs | 2.10 feet Gage Height | 08/19/2014

Watershed Maps

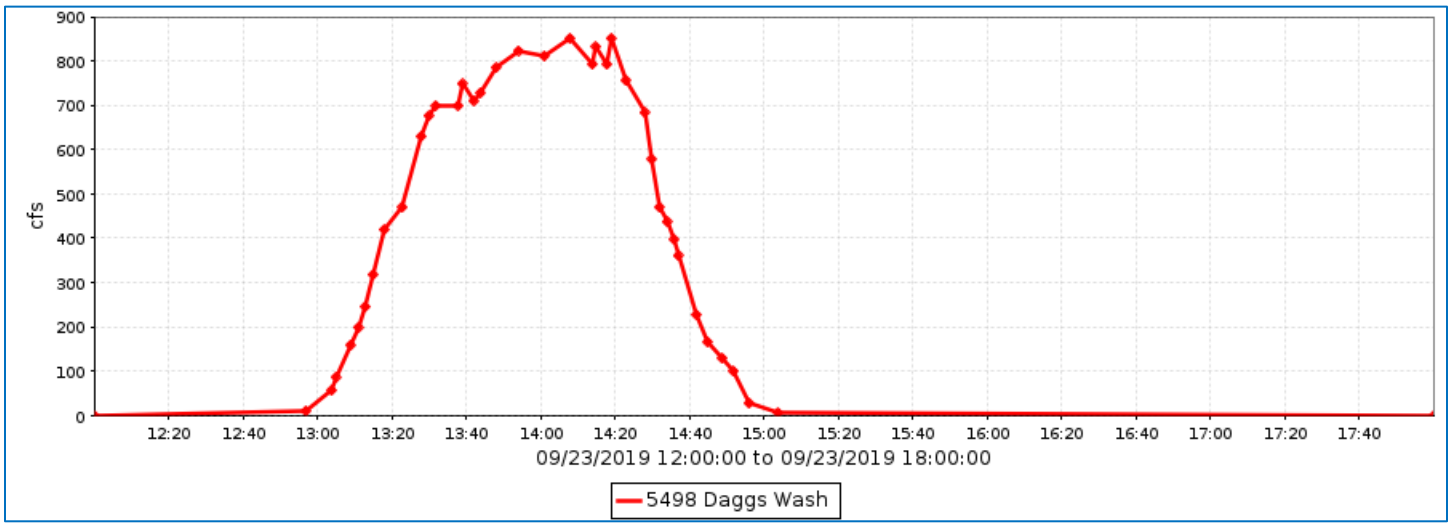




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
09/23/2019	2.74	852
09/26/2019	1.46	60

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Daggs Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23					1							44
24												
25												
26												3
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	2	0	0	0	0	0	0	47
MEAN	0	0	0	0	0	0	0	0	0	0	0	2
MAX	0	0	0	0	1	0	0	0	0	0	0	852
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	4	0	0	0	0	0	0	93

WTR YR 2019 TOTAL 49 MEAN 0 MAX 852 MIN 0 AC_FT 97

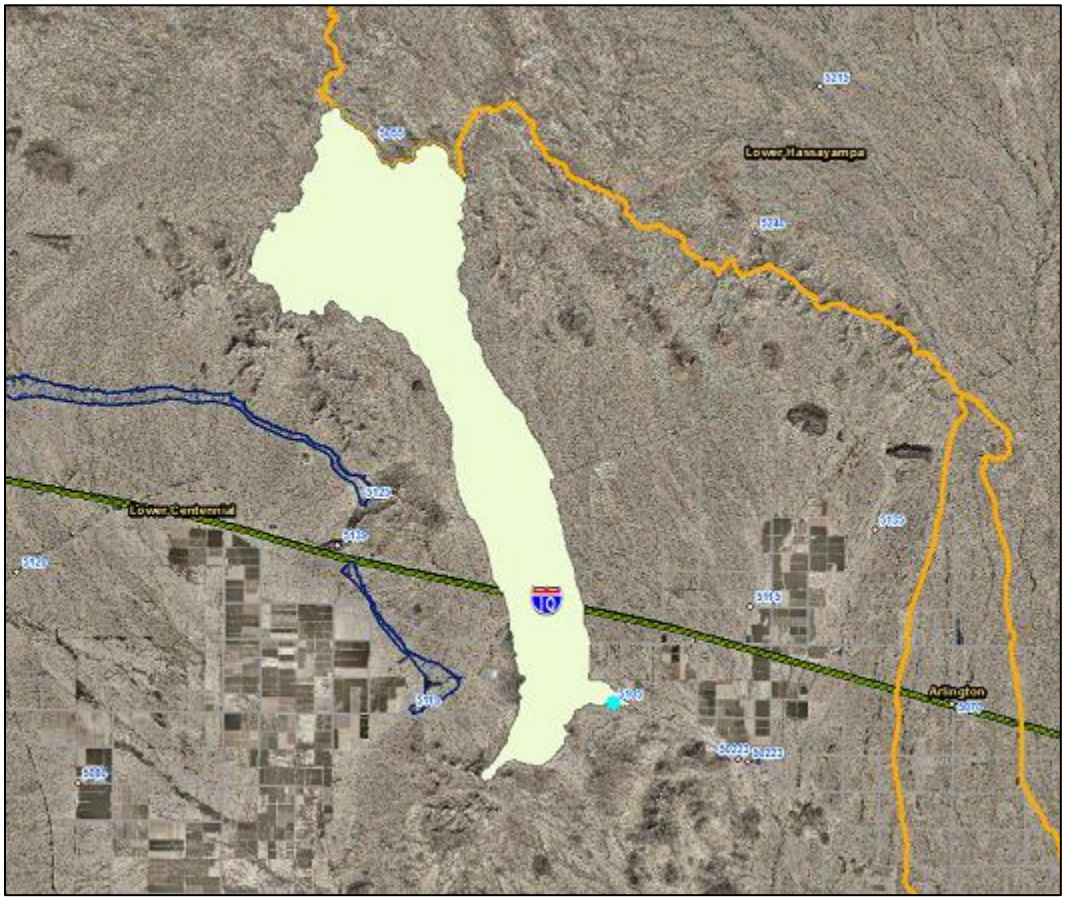
Delaney Wash – ID #5108

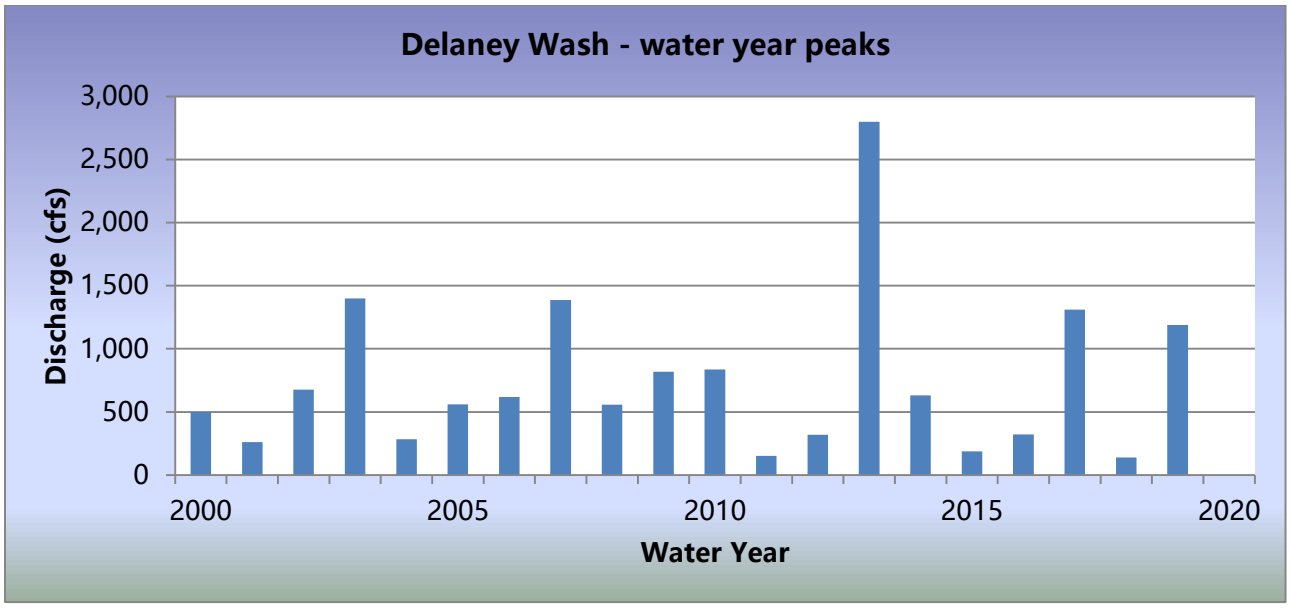


Site Data

LOCATION	Near Salome Road and 427th Avenue
DRAINAGE AREA	49 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S34 T2N R7W
LATITUDE	N 33° 28' 08.3" | +33.46897
LONGITUDE	W 112° 58' 10.4" | -112.96955
STREAMGAGE INSTALLATION DATE	12/22/1999 - WY 2000
AVAILABLE PERIOD OF RECORD (POR)	12/22/1999 - Current
LENGTH OF AVAILABLE POR DATA	19.78 Years | 7,223 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.11 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,112.03 feet NAVD88
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,800 cfs | 8.06 feet | 09/09/2013

Watershed Map

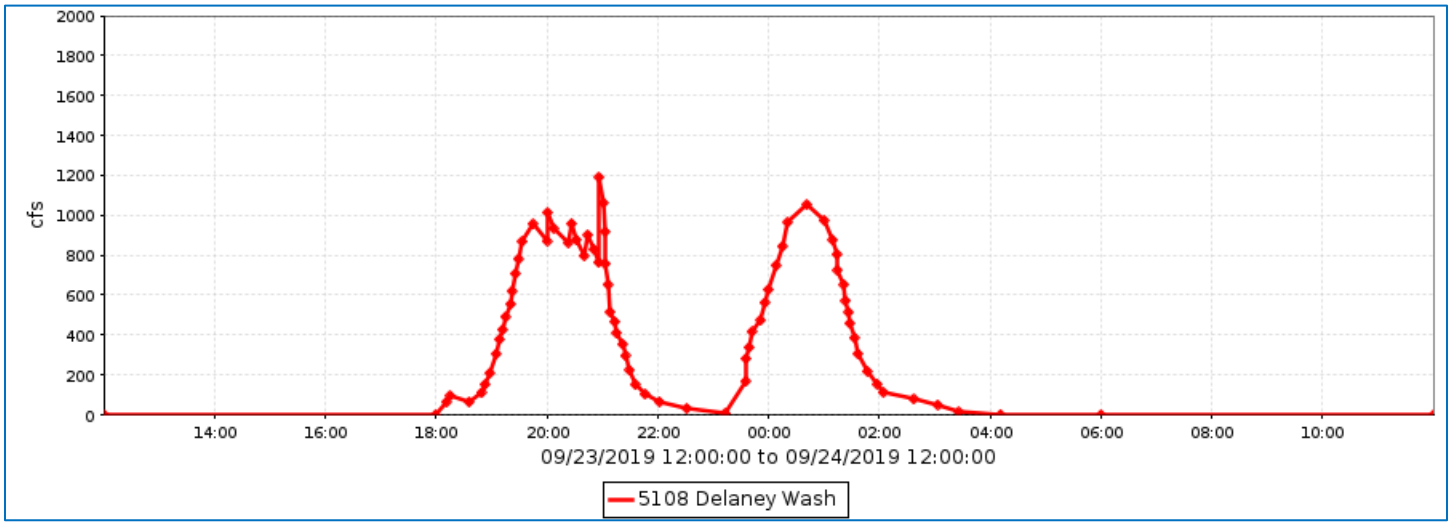




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
09/23/2019	5.57	1,190
09/24/2019	5.19	1,052
09/26/2019	1.87	111

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=20, HEC-WRC computation (based on 20 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
557	**1,090**	**1,550**	**2,060**	**2,840**	**3,510**

NOTE: These results are based on very limited data.

Delaney Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11									38			
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												94
24												66
25												
26												7
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	38	0	0	167
MEAN	0	0	0	0	0	0	0	0	1	0	0	6
MAX	0	2	0	0	0	0	0	0	1190	0	0	1190
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	74	0	0	331

WTR YR 2019 TOTAL 204 MEAN 1 MAX 1190 MIN 0 AC_FT 406

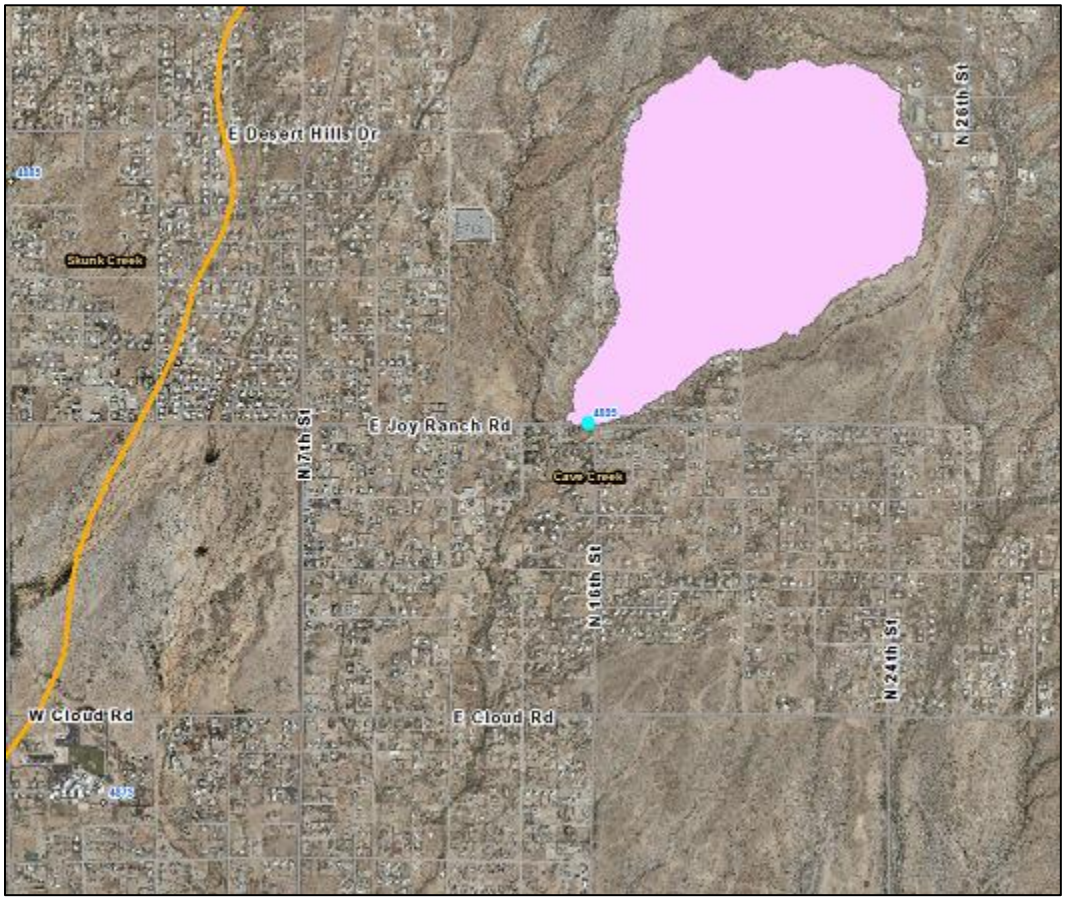
Desert Hills Wash, ID #4898

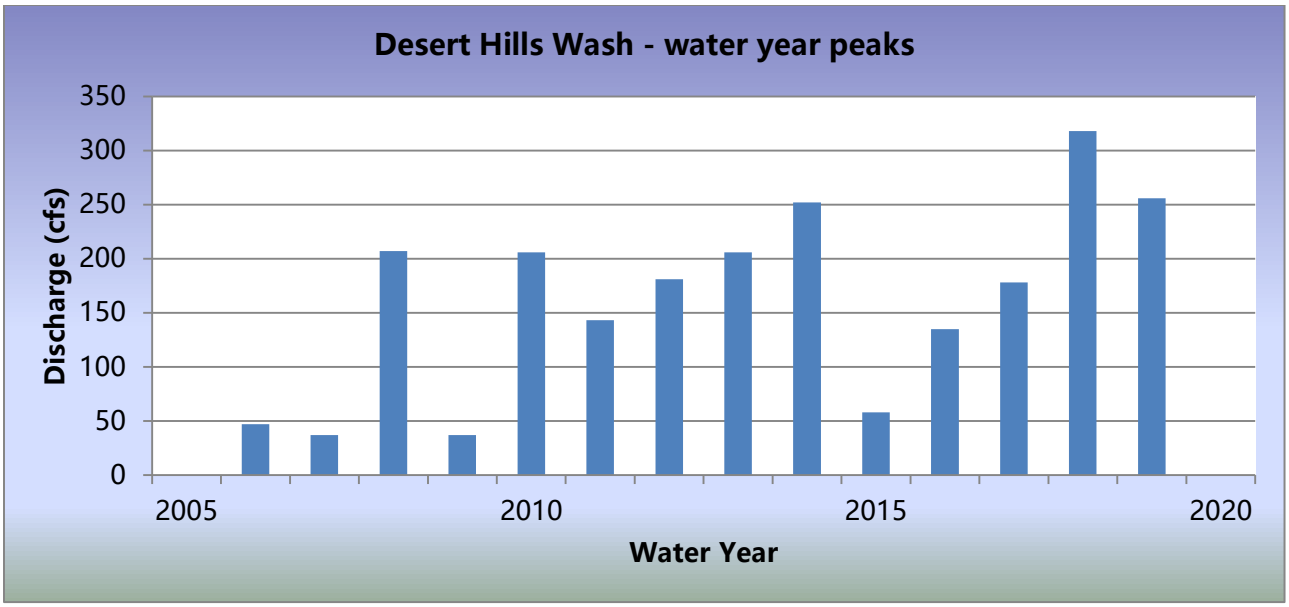


Site Data

LOCATION	Located west of 16th Street, on Joy Ranch Road
DRAINAGE AREA	1.0 mi^2
STREAM TYPE	Culvert on natural stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S28 T6N R3E
LATITUDE	N 33° 49' 41.6" | +33.82882
LONGITUDE	W 112° 02' 54.0" | -112.04832
STREAMGAGE INSTALLATION DATE	03/02/2006 - WY 2006
AVAILABLE PERIOD OF RECORD (POR)	03/02/2006 - Current
LENGTH OF AVAILABLE POR DATA	13.58 Years | 4,961 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,856.02 feet NAVD88
POINT OF ZERO FLOW	0.55 feet Gage Height
EXTREME FOR PERIOD OF RECORD	252 cfs | 4.90 feet | 08/19/2014 & 09/08/2014

Watershed Map

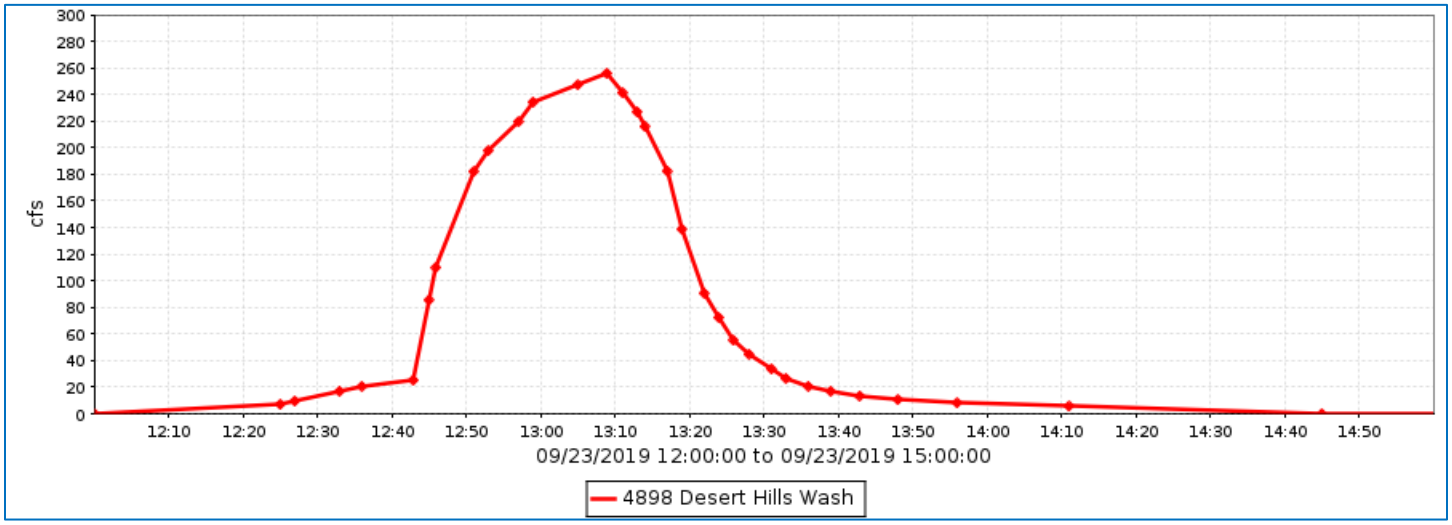




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.86	50
09/23/2019	5.14	256

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=14, HEC-WRC computation (based on 14 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
138	**249**	**329**	**409**	**514**	**593**

Desert Hills Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	5											
3												
4												
5												
6												
7												
8												
9												
10												
11									1			
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												6
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	6	0	0	0	0	0	0	0	1	0	0	6
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	50	0	0	0	0	0	0	0	3	0	0	256
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	11	0	0	0	0	0	0	0	2	0	0	12

WTR YR 2019 TOTAL 13 MEAN 0 MAX 256 MIN 0 AC_FT 25

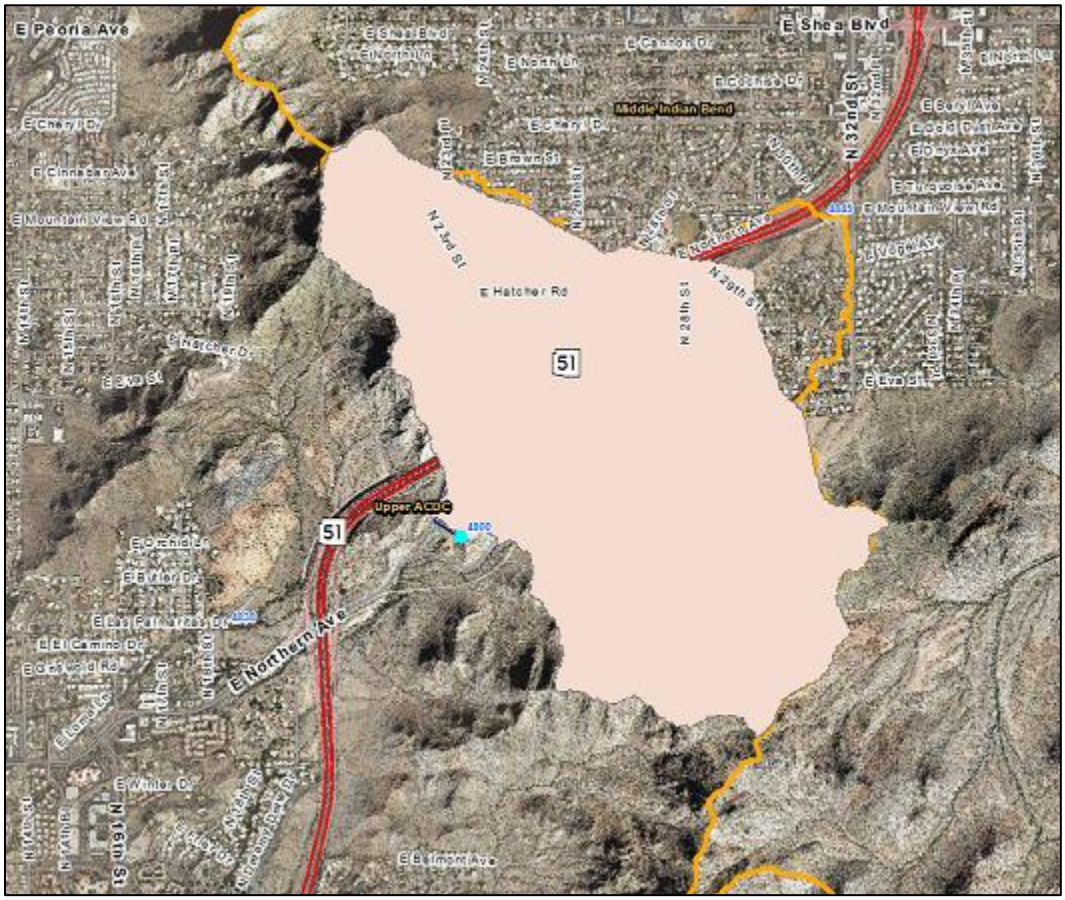
Dreamy Draw Dam, ID #4803

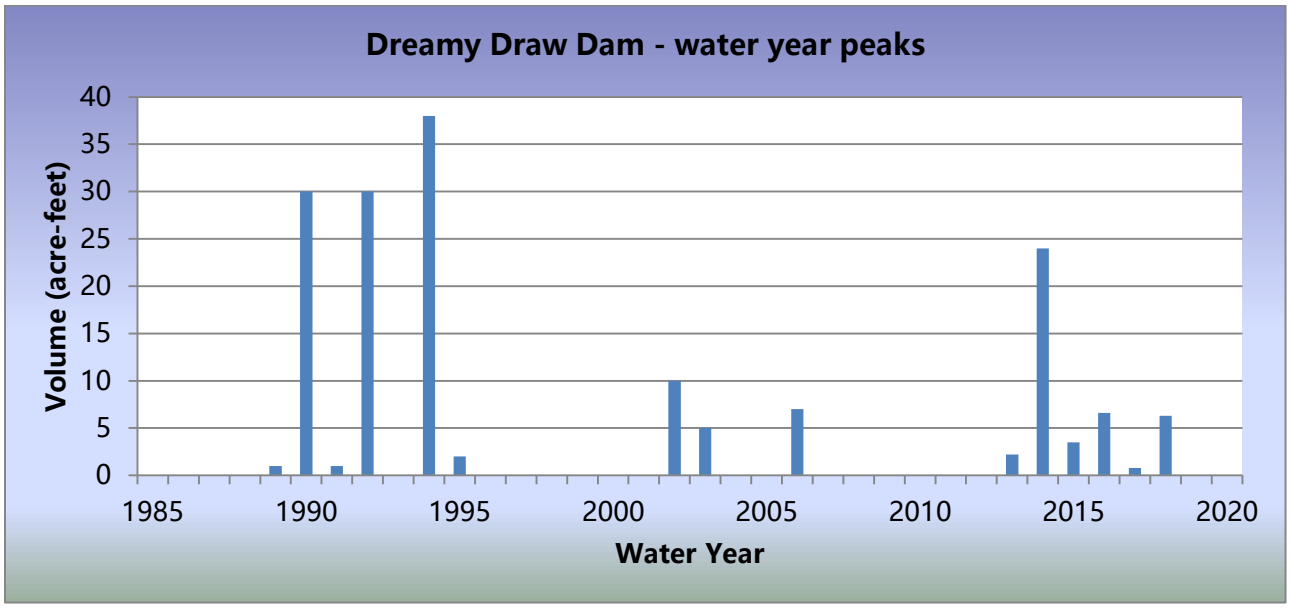


Site Data

LOCATION	Located near Northern Avenue and SR 51
DRAINAGE AREA	1.35 mi^2
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S34 T3N R3E
LATITUDE	N 33° 33' 43.8" | +33.56217
LONGITUDE	W 112° 01' 53.7" | -112.03159
STREAMGAGE INSTALLATION DATE	01/24/1984 - WY 1984
AVAILABLE PERIOD OF RECORD (POR)	08/29/1988 - Current
LENGTH OF AVAILABLE POR DATA	31.09 Years | 11,355 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.12 feet Gage Height
STAFF GAGES	9
ZERO GAGE HEIGHT ELEVATION	1,371.46 feet NAVD1988
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	35.50 feet Gage Height
TOP OF DAM ELEVATION	47.04 feet Gage Height

Watershed Map

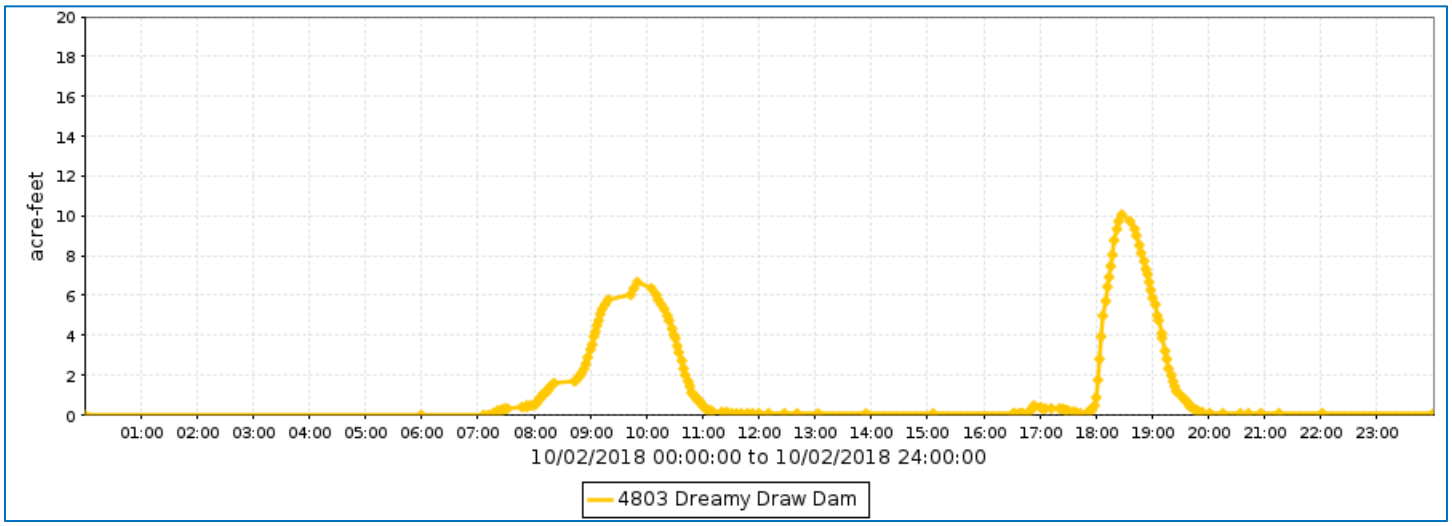




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	12.38	10.1	3.0
10/02/2018	10.86	6.6	2.0
10/07/2018	2.90	0.2	0.0
10/13/2018	5.93	0.9	0.3
09/23/2019	2.02	0.1	0.0
09/26/2019	4.32	0.5	0.2

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Dreamy Draw Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	34											
3	8											
4	3											
5	2											
6												
7	8											
8	3											
9	1											
10												
11												
12												
13	16											
14	7											
15	3											
16	3											
17	1											
18												
19												
20												
21												
22												
23												2
24												2
25												
26												2
27												3
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	92	0	0	0	0	0	0	0	0	0	0	9
MEAN	3	0	0	0	0	0	0	0	0	0	0	0
MAX	137	0	0	0	0	0	0	0	0	0	0	68
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	183	0	0	0	0	0	0	0	0	0	0	19

WTR YR 2019 TOTAL 101 MEAN 0 MAX 137 MIN 0 AC_FT 201

Dreamy Draw Dam, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	10	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 10 MIN 0

Dreamy Draw Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	2.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	12.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.3
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.14 MAX 12.38 MIN 0.12

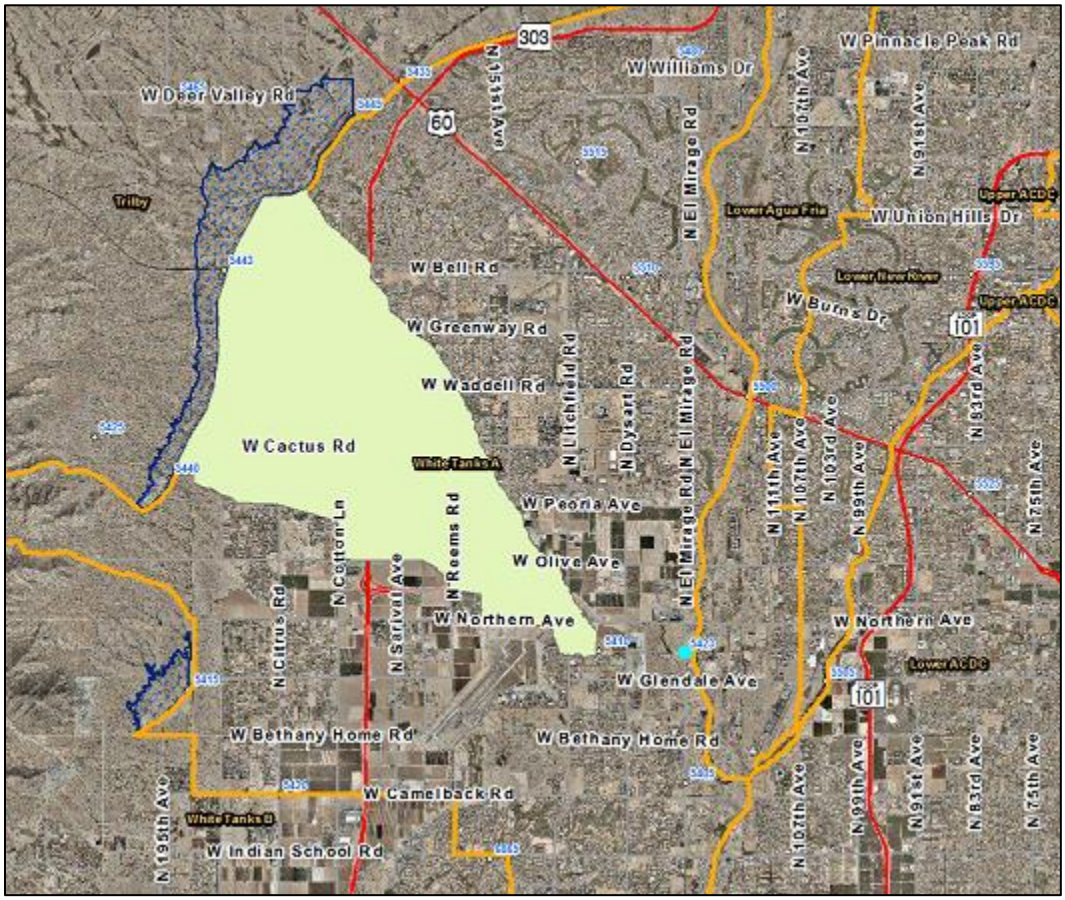
Dysart Drain at LAFB, ID #5413

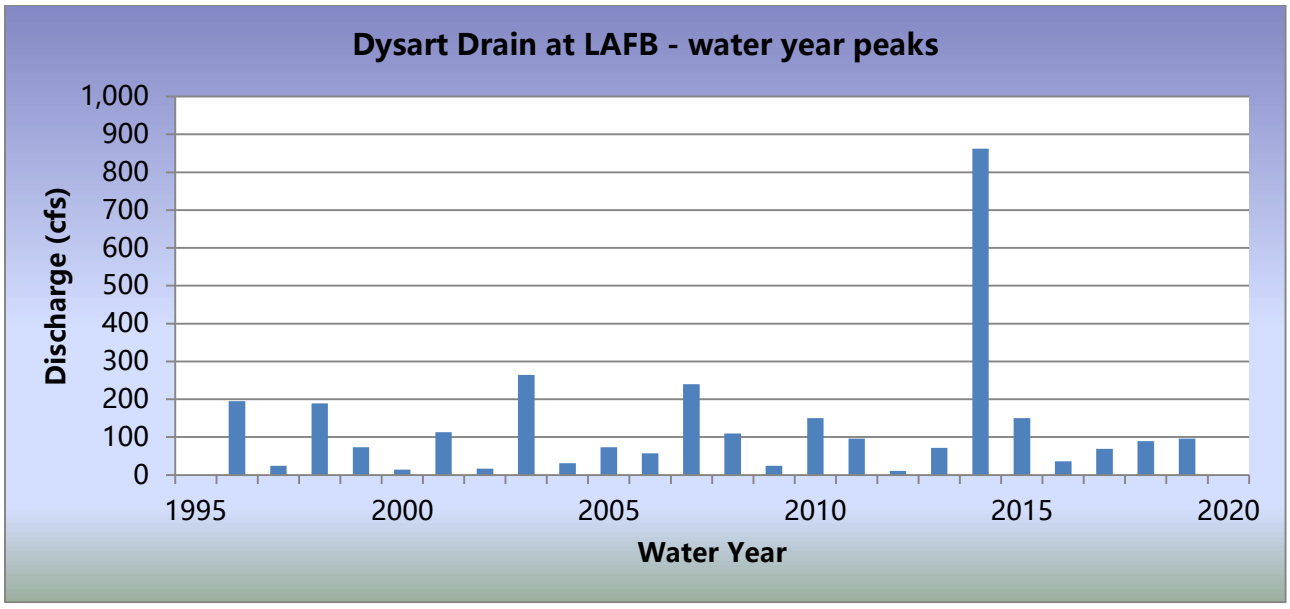


Site Data

LOCATION	On Dysart Drain about 1/3 mile east of Litchfield Road
DRAINAGE AREA	24.3 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Glendale, Arizona
WATERSHED	White Tanks A
SECTION/TOWNSHIP/RANGE	S03 T2N R1W
LATITUDE	N 33° 32' 38.3" | +33.54397
LONGITUDE	W 112° 20' 57.8" | -112.34940
STREAMGAGE INSTALLATION DATE	08/22/1996 - WY 1996
AVAILABLE PERIOD OF RECORD (POR)	08/22/1996 - Current
LENGTH OF AVAILABLE POR DATA	23.11 Years | 8,440 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,063.48 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	862 cfs | 4.30 feet | 09/08/2014

Watershed Map



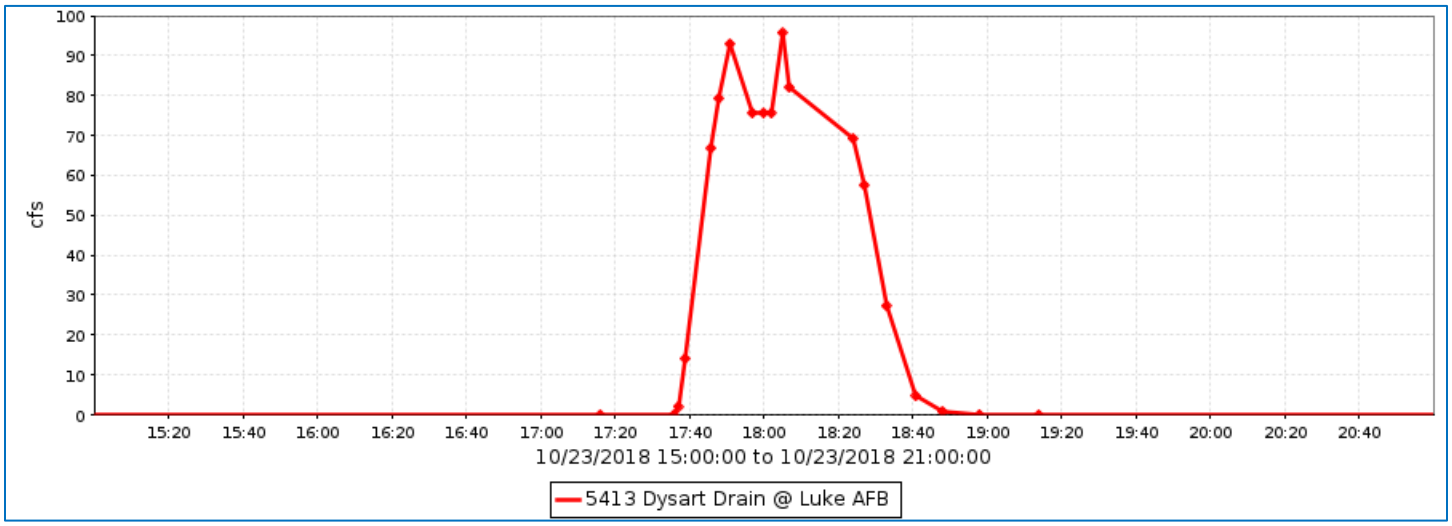


WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/23/2018	1.35	96

NOTE: There is often a base flow at this location.

Hydrograph of peak WY 2019 flow event, 10/23/2018



Flood Flow Frequency

Flood Flow Frequency N=24, HEC-WRC computation (based on 24 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
77	**179**	**278**	**401**	**606**	**799**

NOTE: These results are based on very limited data.

Dysart Drain at LAFB, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7												
8												
9												
10												
11									8			
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23	3											
24												8
25												1
26												1
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	4	0	0	0	0	0	0	0	8	0	0	10
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	96	0	0	0	0	0	0	0	68	1	0	85
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	8	0	0	0	0	0	0	0	17	0	0	21

WTR YR 2019 TOTAL 23 MEAN 0 MAX 96 MIN 0 AC_FT 46

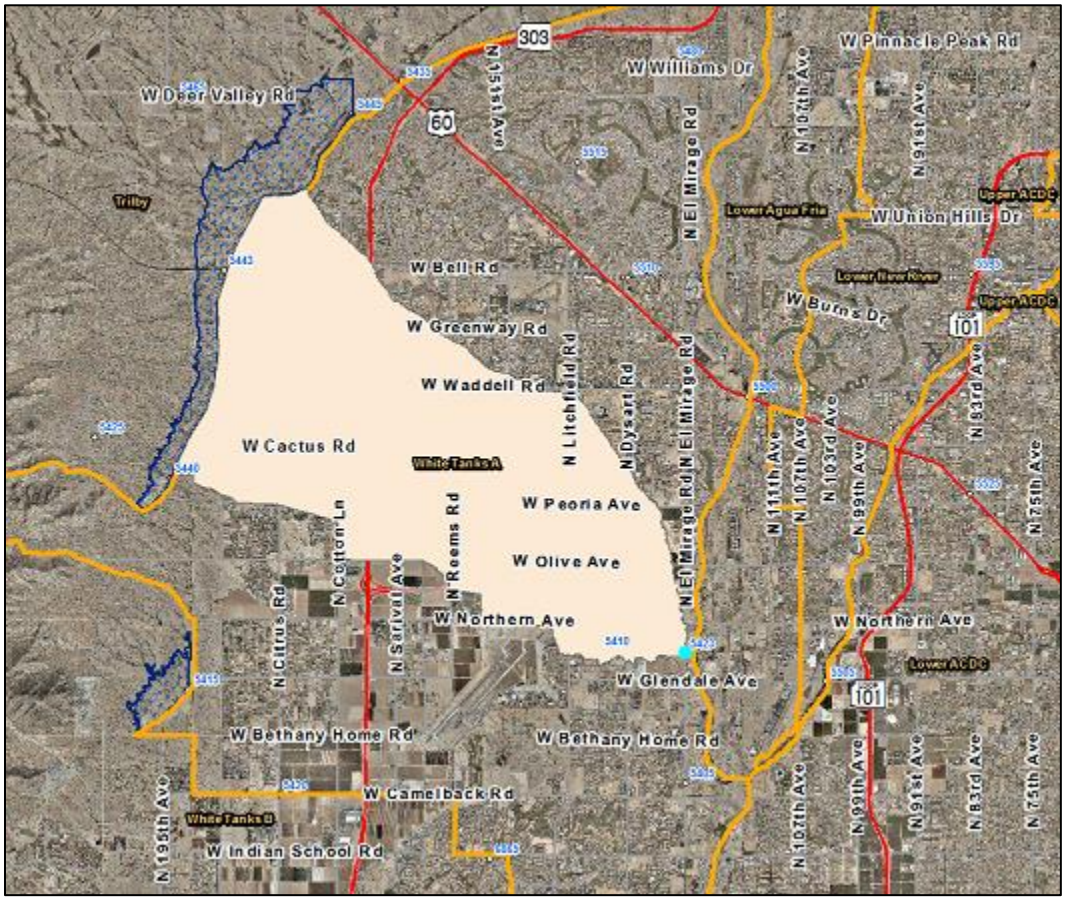
Dysart Drain at El Mirage Road, ID #5423

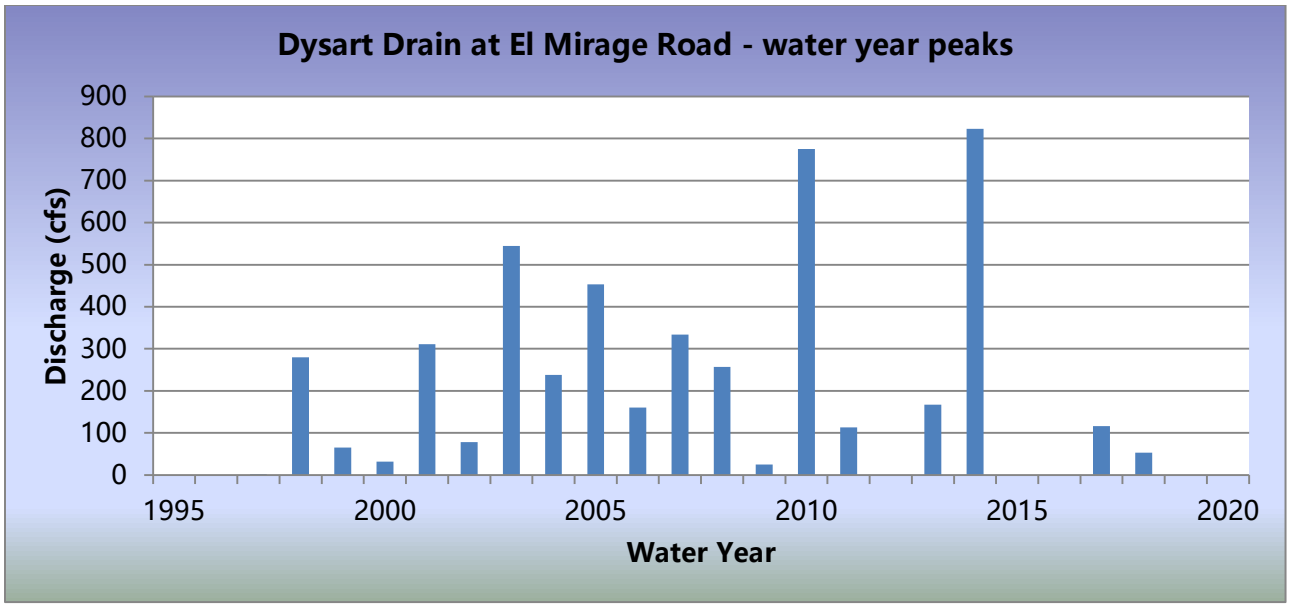


Site Data

LOCATION	On El Mirage Road about mid-way between Glendale and Northern Avenues
DRAINAGE AREA	34.7 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Glendale, Arizona
WATERSHED	White Tanks A
SECTION/TOWNSHIP/RANGE	S016 T2N R1W
LATITUDE	N 33° 32' 37.1" | +33.54370
LONGITUDE	W 112° 19' 26.6" | -112.32399
STREAMGAGE INSTALLATION DATE	03/07/1997 - WY 1997
AVAILABLE PERIOD OF RECORD (POR)	03/07/1997 - Current
LENGTH OF AVAILABLE POR DATA	22.57 Years | 8,243 Days
DATA GAPS IN POR	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,054.29 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	823 cfs | 5.30 feet | 09/08/2014

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
No Recorded Flow		

NOTE: There is a more or less continual base flow at this location.

Hydrograph of peak WY 2019 flow event,

No recorded runoff greater than the continual base-flow of about 2 cfs.

Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
66	**290**	**589**	**1,020**	**1,850**	**2,690**

NOTE: These results are based on very limited data.

Dysart Drain at El Mirage Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	3	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 3 MIN 0 AC_FT 0

East Fork Cave Creek Basin #1, ID #4648

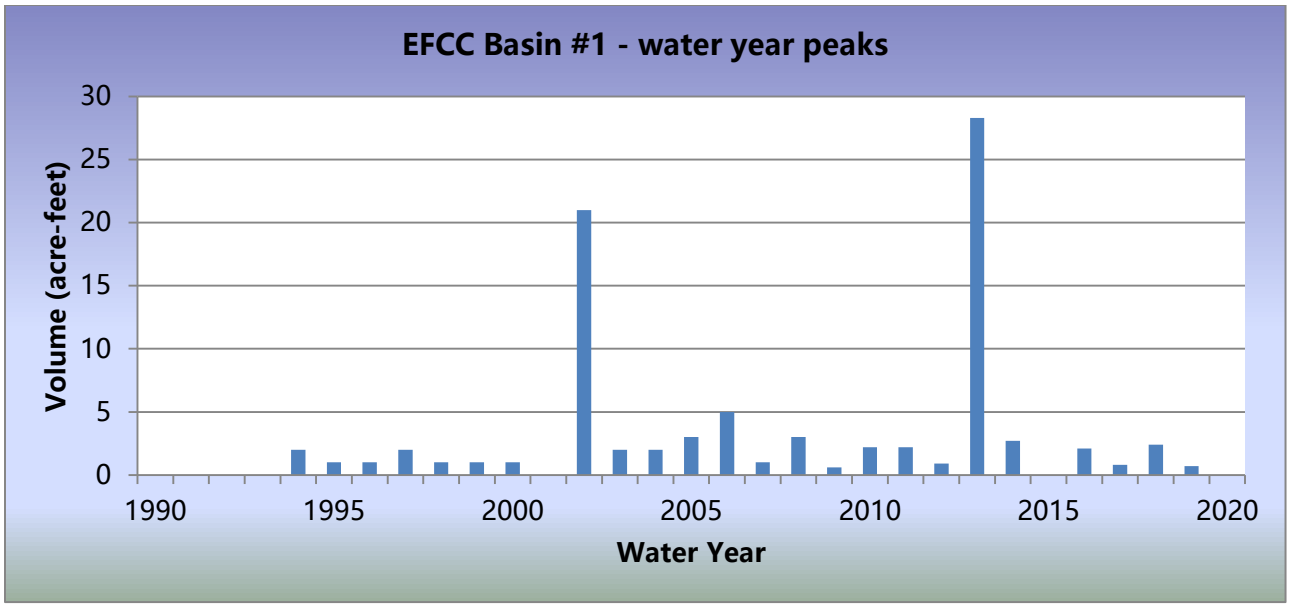


Site Data

LOCATION	On Beardsley Road east of Cave Creek Road
DRAINAGE AREA	1.18 mi^2
STREAM TYPE	Flood control basin on natural stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S26 T4N R3E
LATITUDE	N 33° 40' 11.3" | +33.66981
LONGITUDE	W 112° 01' 31.3" | -112.02536
STREAMGAGE INSTALLATION DATE	03/02/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	03/02/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	25.58 Years | 9,344 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.23 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,489.95 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	7.16 feet Gage Height

Watershed Map

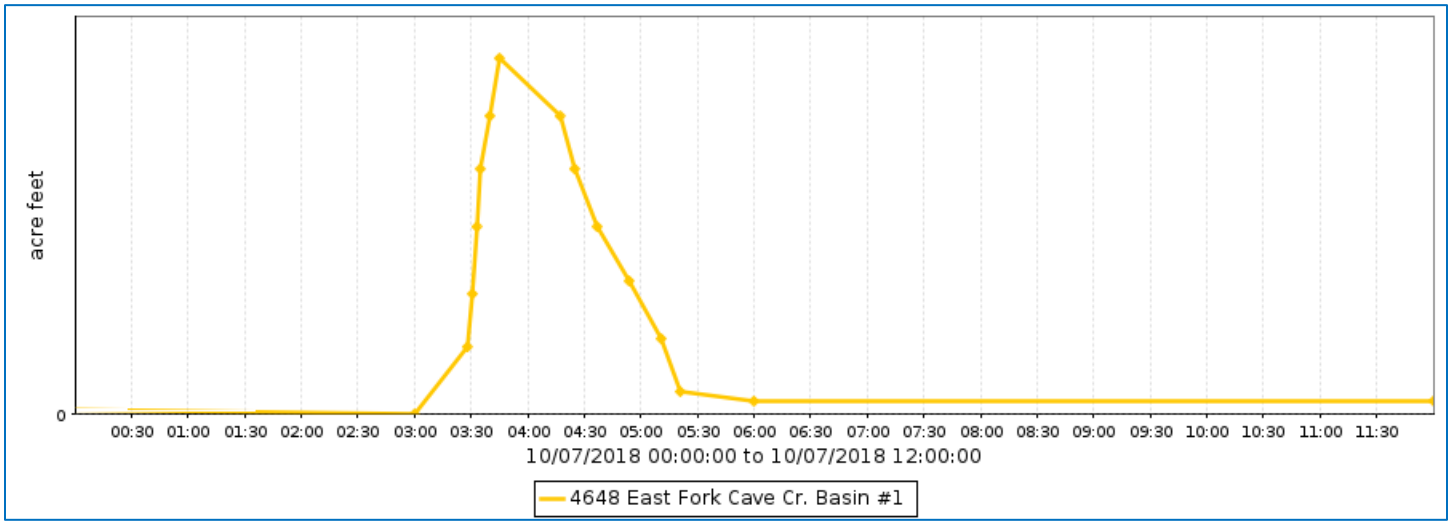




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	0.85	0.6	1.0
10/07/2018	1.00	0.7	1.2
09/24/2018	0.40	0.2	0.3

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



East Fork Cave Creek Basin #1, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---					
2	1						---					
3												
4												
5												
6												
7	1											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												1
24												1
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	16	14	15	15	13	15	13	15	14	15	15	15
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	11	0	0	0	0	0	0	0	0	0	0	3
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	32	29	29	30	27	30	26	30	29	30	30	29

WTR YR 2019 TOTAL 175 MEAN 0 MAX 11 MIN 0 AC_FT 348

East Fork Cave Creek Basin #1, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---					
2							---					
3												
4												
5												
6												
7												
8												
9												
10												
11												
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24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	1	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 1 MIN 0

East Fork Cave Creek Basin #1, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2
2	0.3	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.23 MAX 1.00 MIN 0.23

East Fork Cave Creek Basin #3A, ID #8807

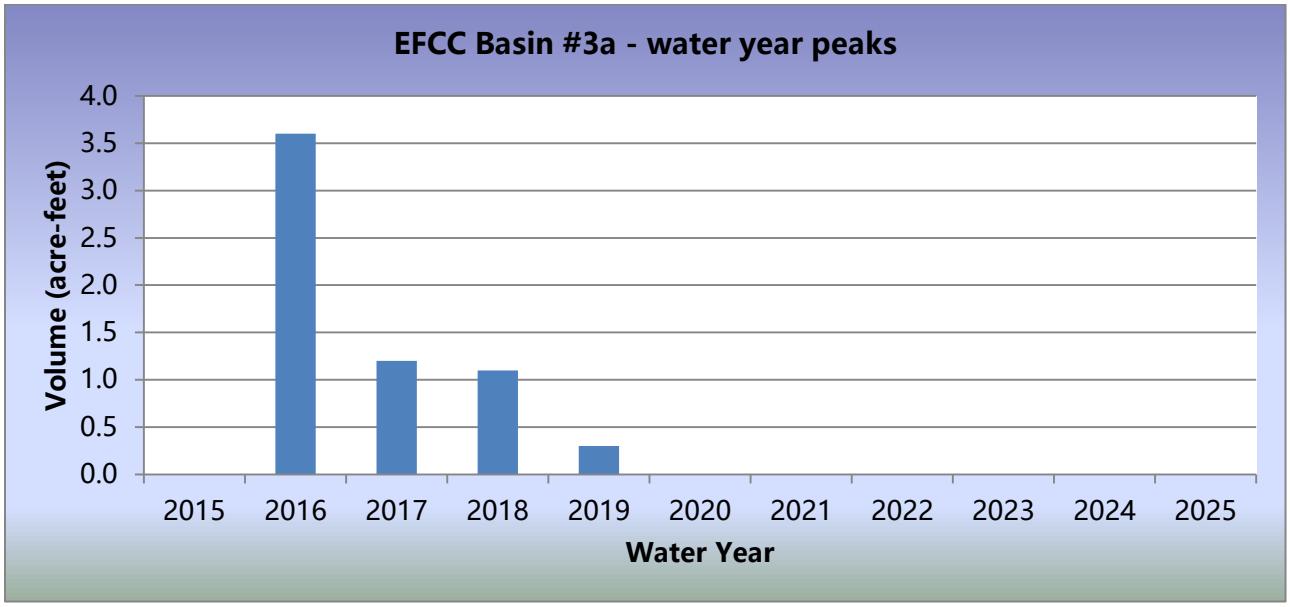


Site Data

LOCATION	Located near Cave Creek Road and Grovers Avenue
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S34 T4N R3E
LATITUDE	N 33° 38' 46.0" | +33.65630
LONGITUDE	W 112° 02' 21.0" | -112.03840
STREAMGAGE INSTALLATION DATE	10/14/2015 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	10/14/2015 - Current
LENGTH OF AVAILABLE POR DATA	3.96 Years | 1,448 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,425.27 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	14.3 feet Gage Height

Watershed Map

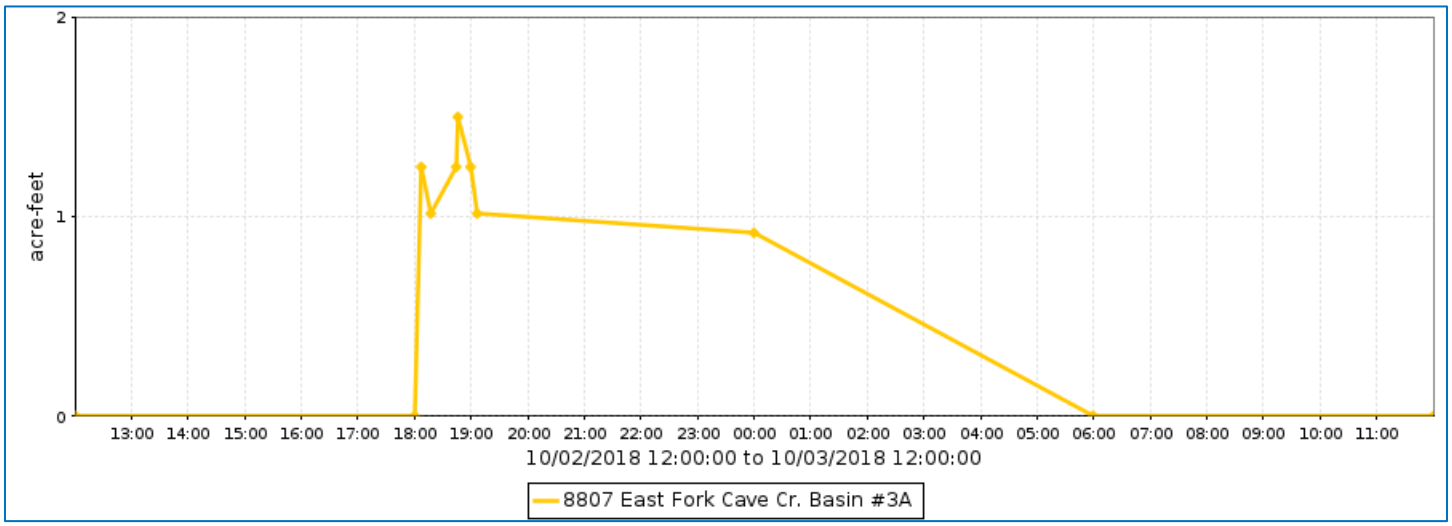




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	1.22	1.5	1.4
10/02/2018	1.17	1.4	1.3
10/07/2018	1.02	1.1	1.0
08/28/2019	0.92	0.9	0.8

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



EFCC Basin #3A, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	11											
3	7											
4												
5												
6												
7	5											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												2
24								6				
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	23	0	0	0	0	0	0	6	0	0	0	2
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	36	0	0	0	0	0	0	23	0	0	26	28
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	45	0	0	0	0	0	0	11	0	0	0	3

WTR YR 2019 TOTAL 30 MEAN 0 MAX 36 MIN 0 AC_FT 60

EFCC Basin #3A, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
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23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	2	0	0	0	0	0	0	1	0	0	1	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 2 MIN 0

EFCC Basin #3A, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
11	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
12	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
13	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
14	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
19	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
20	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
21	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
22	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
23	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
24	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
25	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
26	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
27	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
28	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
29	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31	0.8	---	0.8	0.8	---	0.8	---	0.8	---	0.8	0.8	---
MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
MAX	1.2	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0
MIN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

WTR YR 2019 MEAN 0.80 MAX 1.22 MIN 0.80

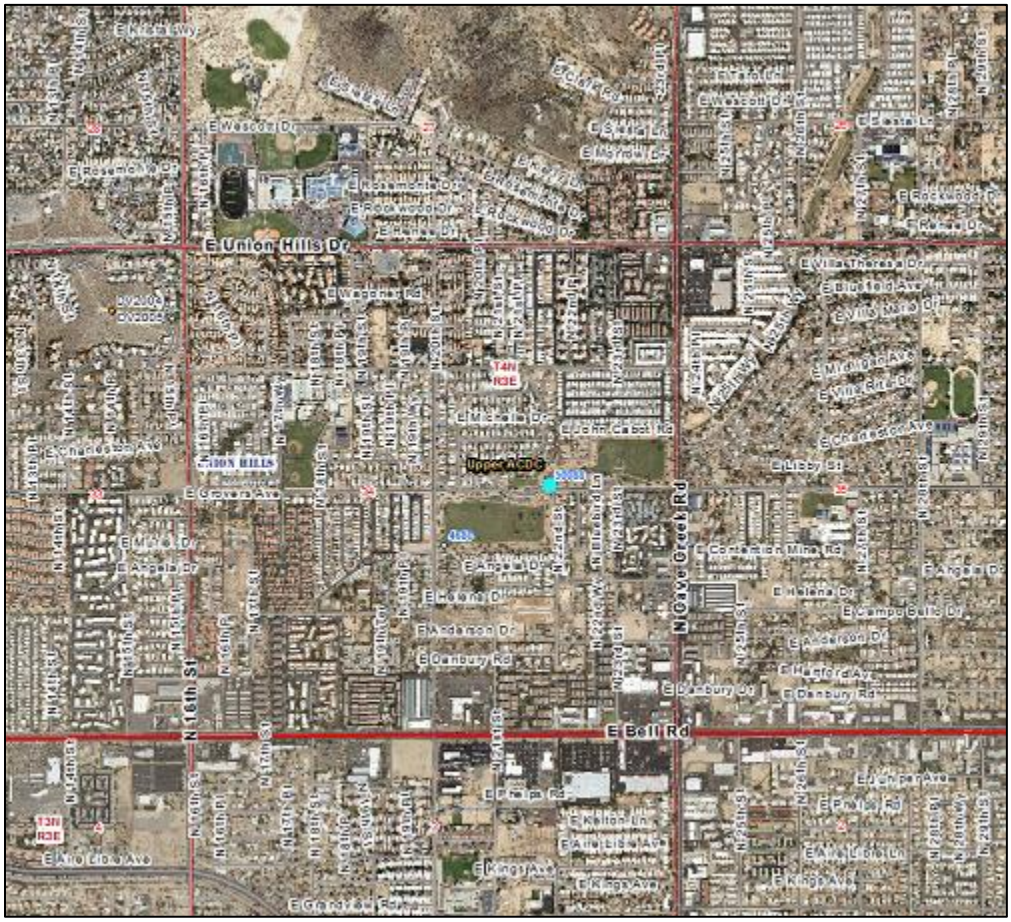
East Fork Cave Creek Basin #3B, ID #4683

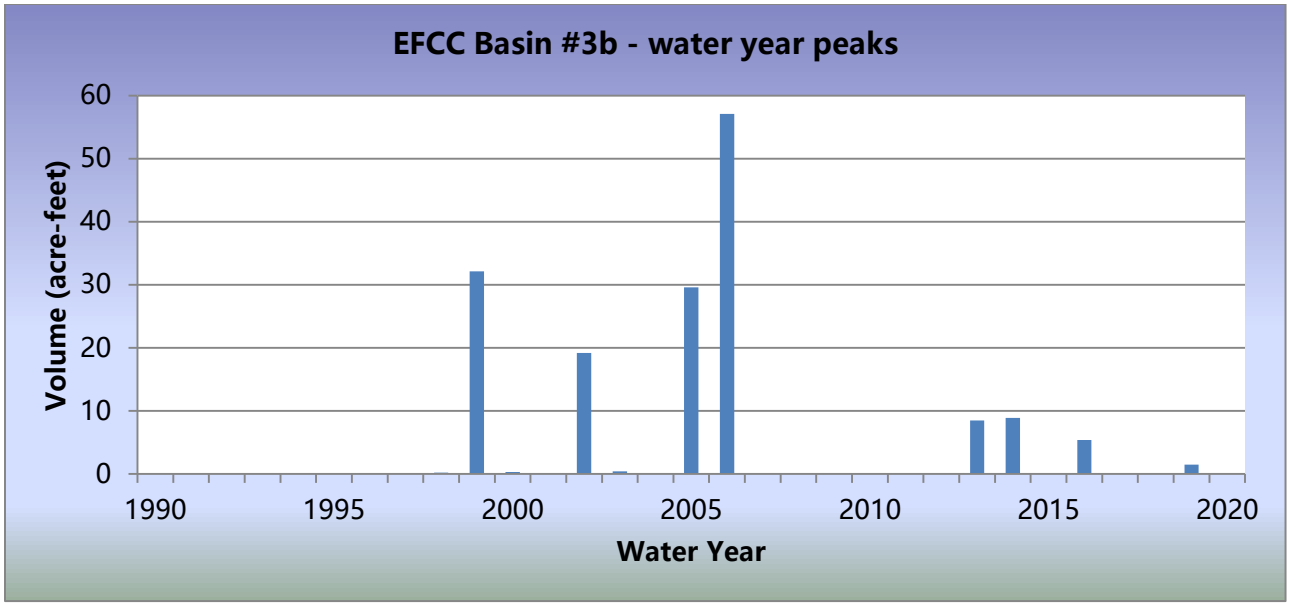


Site Data

LOCATION	Near 20th Street and Grovers Avenue
DRAINAGE AREA	3.52 mi^2
STREAM TYPE9/	Flood control basin on natural stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S34 T4N R3E
LATITUDE	N 33° 38' 45.9" | +33.64609
LONGITUDE	W 112° 02' 21.1" | -112.03918
STREAMGAGE INSTALLATION DATE	09/13/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	09/13/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	25.05 Years | 9,149 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,419.45 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	14.6 feet Gage Height
TOP OF BASIN ELEVATION	15.0 feet Gage Height

Location Map

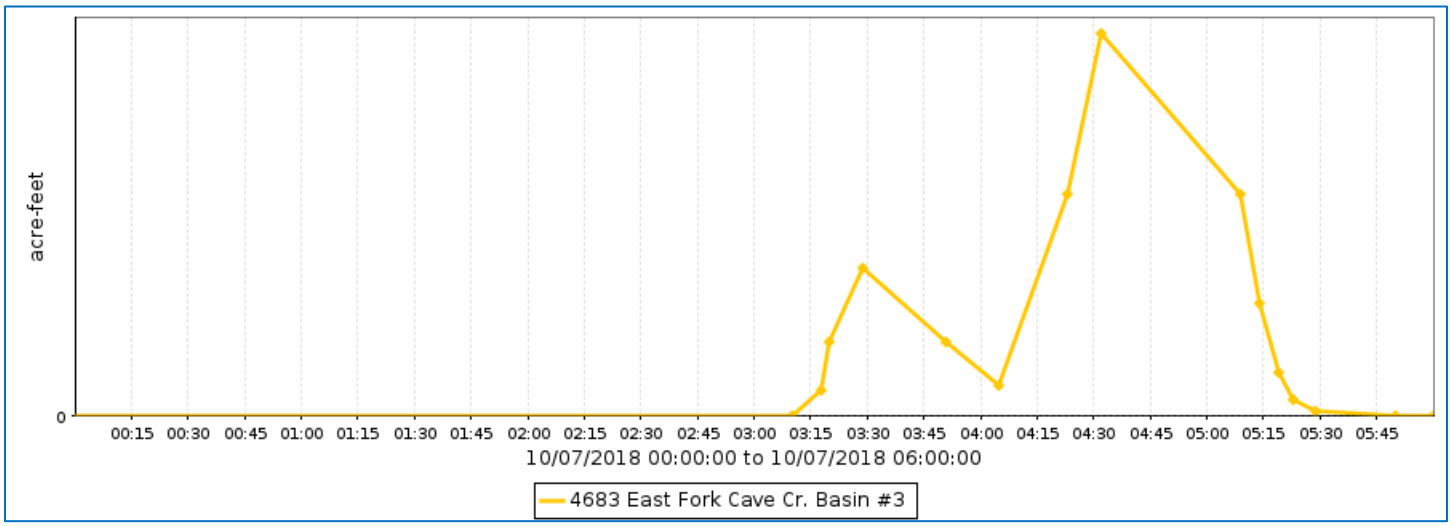




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	0.47	0.0	0.0
10/07/2018	0.99	0.3	0.2
02/22/2019	0.29	0.0	0.0

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



East Fork Cave Creek Basin #3B, runoff data

Discharge, in cfs, Water Year October 2017 to September 2018

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9			---									
10			---									
11												
12												
13												
14												
15												
16												
17												
18												
19												
20		---										
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	9	6	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2018 TOTAL 0 MEAN 0 MAX 9 MIN 0 AC_FT 0

East Fork Cave Creek Basin #3B, volume data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7	1											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	35	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 1 MEAN 0 MAX 35 MIN 0 AC_FT 2

East Fork Cave Creek Basin #3B, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
MAX	1.0	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.3
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.15 MAX 0.99 MIN 0.15

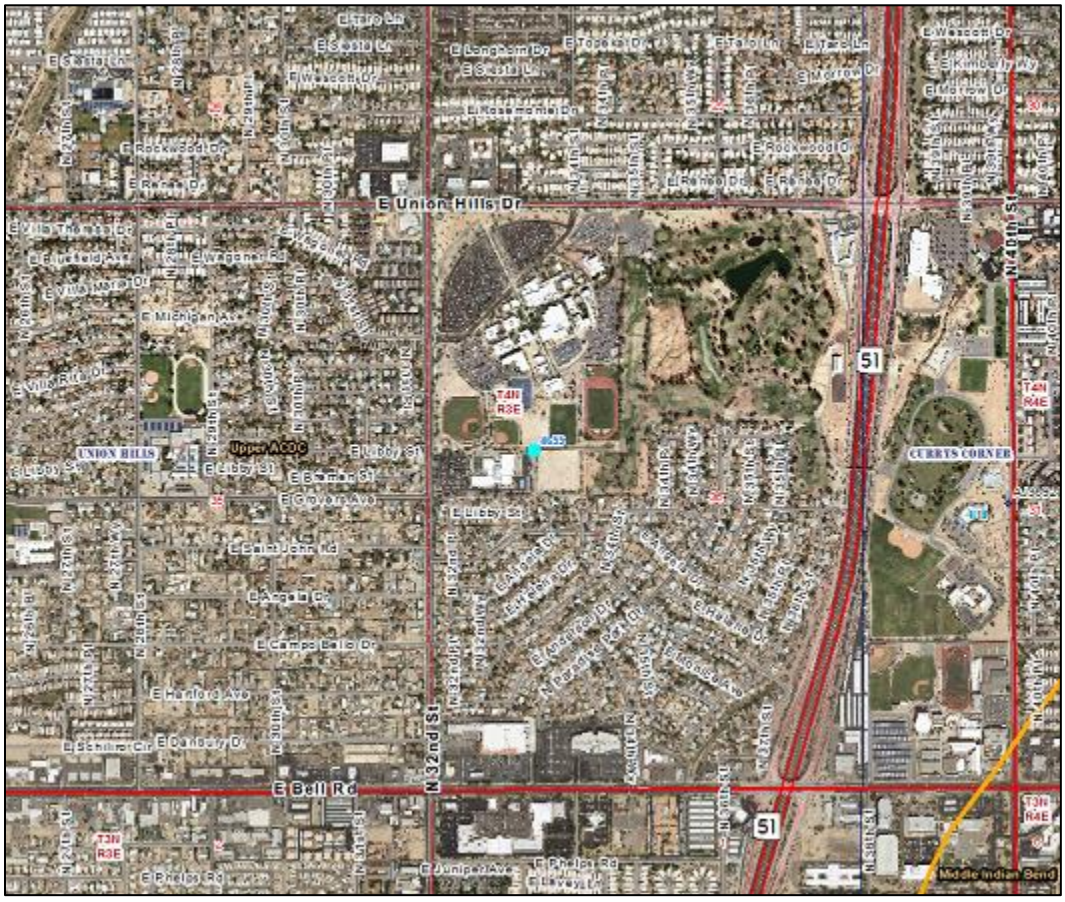
East Fork Cave Creek Basin #4 – ID #4658

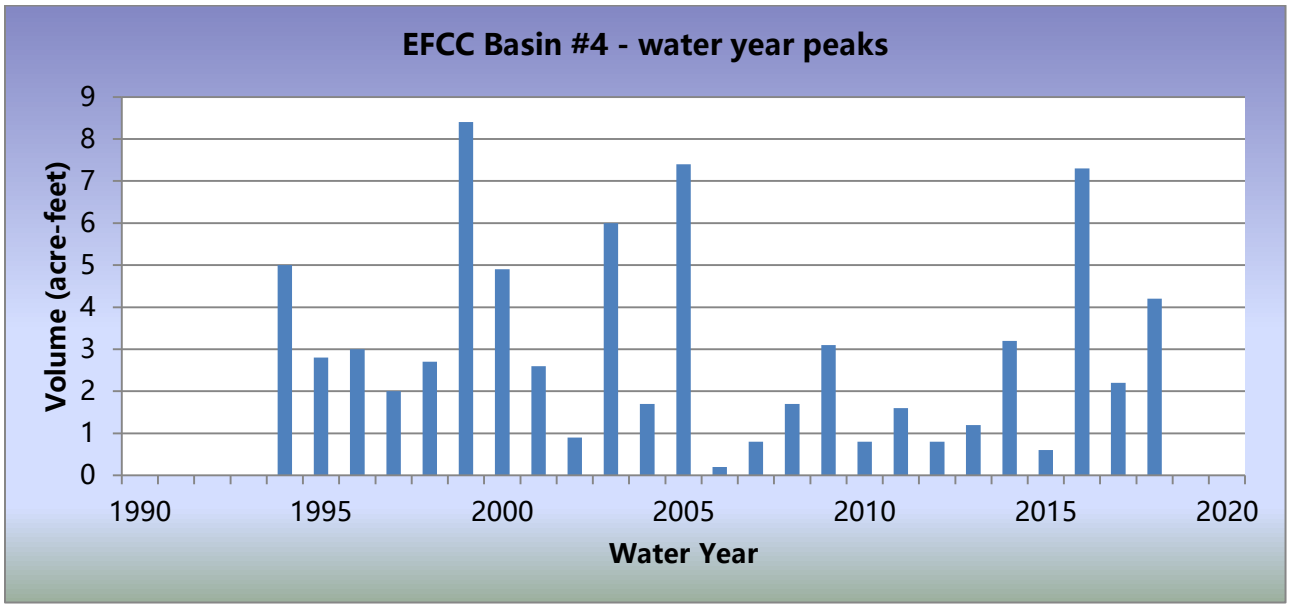


Site Data

LOCATION	Near Paradise Valley Community College
DRAINAGE AREA	0.68 mi^2
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S36 T4N R3E
LATITUDE	N 33° 38' 56.5" | +33.64904
LONGITUDE	W 112° 00' 37.5" | -112.01041
STREAMGAGE INSTALLATION DATE	01/18/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	01/18/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	25.70 Years | 9,387 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.30 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,464.57 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	8.0 feet Gage Height
TOP OF BASIN ELEVATION	8.5 feet Gage Height

Location Map (*watershed not available*)

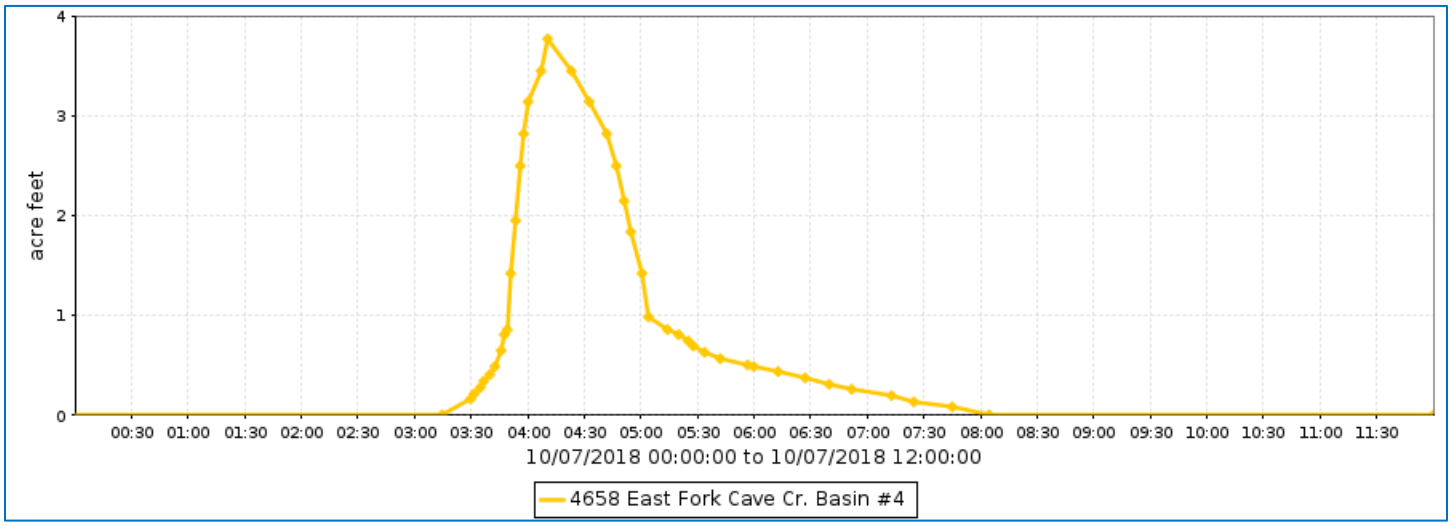




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	2.73	3.0	4.1
10/02/2018	2.62	2.7	3.6
10/02/2018	1.22	0.5	0.7
10/07/2018	2.99	3.8	5.1
10/13/2018	1.22	0.5	0.7
11/30/2018	1.00	0.4	0.5
02/21/2019	1.81	0.8	1.1
03/12/2019	0.92	0.3	0.4
07/22/2019	0.60	0.2	0.3
07/31/2019	0.52	0.1	0.1
08/28/2019	0.52	0.1	0.1
09/23/2019	2.10	1.2	1.6

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



East Fork Cave Creek Basin #4, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	7											
3												
4												
5												
6												
7	3											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20	---											
21	---											
22												
23												1
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	10	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	51	0	0	0	14	0	0	0	0	0	0	30
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	19	0	0	0	1	0	0	0	0	0	0	2

WTR YR 2019 TOTAL 11 MEAN 0 MAX 51 MIN 0 AC_FT 22

East Fork Cave Creek Basin #4, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20	---											
21	---											
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	4	0	0	0	1	0	0	0	0	0	0	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 4 MIN 0

East Fork Cave Creek Basin #4, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	---	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	3.0	1.0	0.3	0.6	1.8	0.9	0.8	0.6	0.3	0.6	0.5	2.1
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

WTR YR 2019 MEAN 0.30 MAX 2.99 MIN 0.30

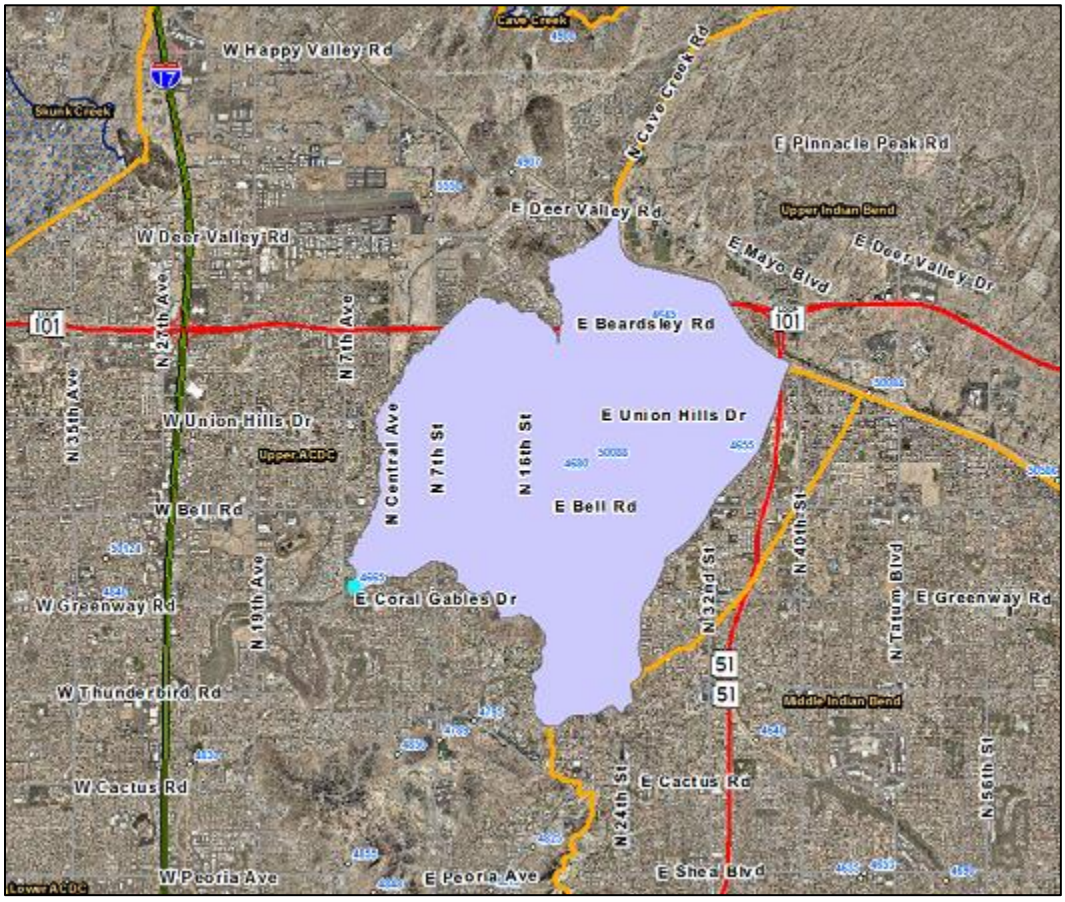
East Fork Cave Creek near 7th Avenue, ID #4668

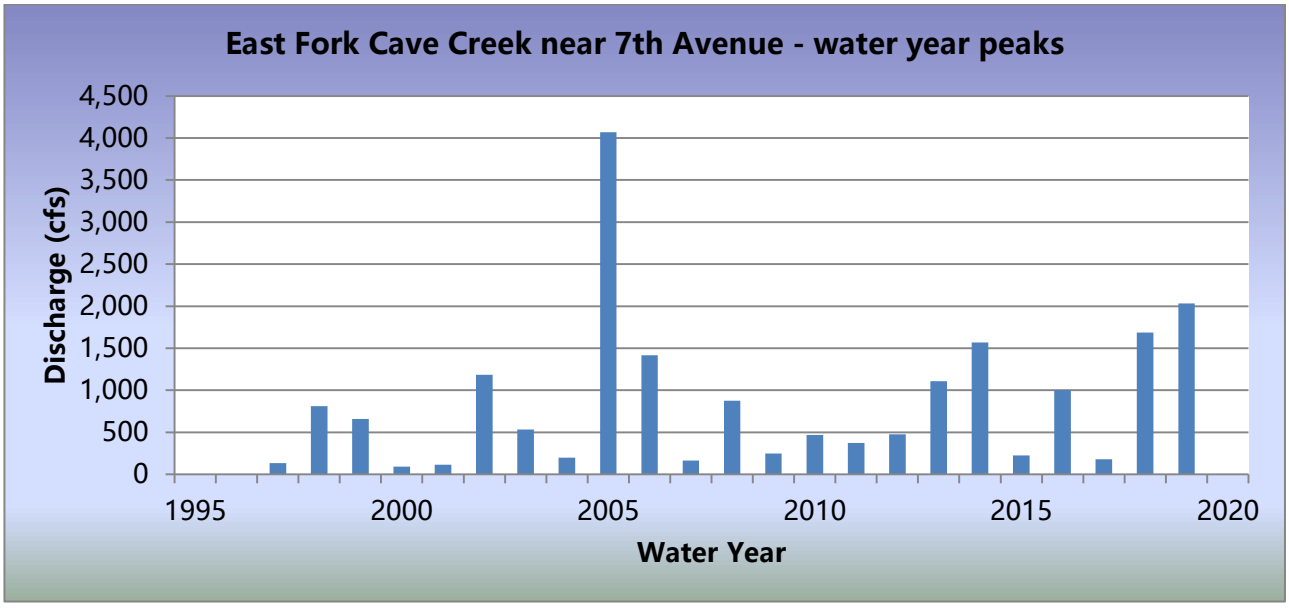


Site Data

LOCATION	In Moon Valley Park, near Coral Gable Drive and 7th Avenue
DRAINAGE AREA	14.1 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S05 T3N R3E
LATITUDE	N 33° 37' 40.6" | +33.62793
LONGITUDE	W 112° 04' 50.7" | -112.08076
STREAMGAGE INSTALLATION DATE	05/08/1997 - WY 1997
AVAILABLE PERIOD OF RECORD (POR)	05/08/1997 - Current
LENGTH OF AVAILABLE POR DATA DATA	22.40 Years | 8,181 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-0.25 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,341.59 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	4,067 cfs | 7.55 feet | 08/02/2005

Watershed Map

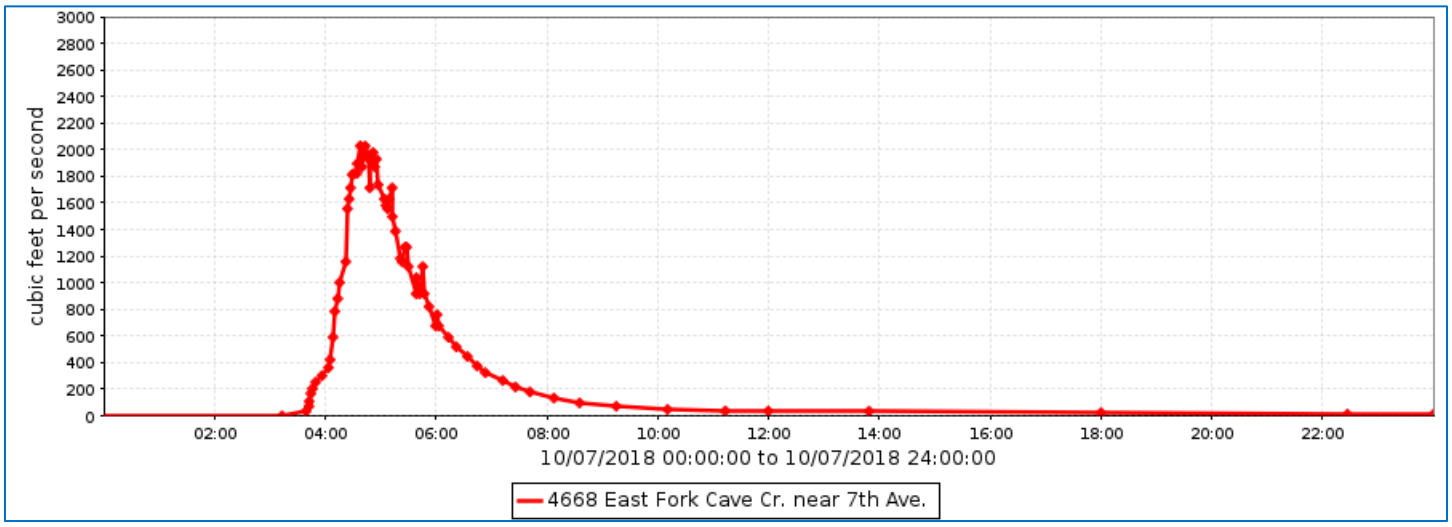




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.41	1,305
10/02/2018	2.97	958
10/07/2018	4.64	2,033
10/13/2018	1.46	200
11/30/2018	0.92	71
01/06/2019	0.72	44
02/03/2019	0.29	18
02/15/2019	0.24	15
02/21/2019	1.66	269
03/12/2019	0.34	21
08/28/2019	2.63	729
09/23/2019	2.78	820
09/26/2019	1.11	110

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

Flood Flow Frequency N=23, HEC-WRC computation (based on 23 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
532	**1,270**	**1,980**	**2,860**	**4,320**	**5,680**
FEMA FIS					
		5,500		**8,200**	**9,400**

East Fork Cave Creek near 7th Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			3									
2	240											
3	25				4							
4	1				4							
5												
6				28								
7	169			6								
8	5											
9												
10												
11												
12						7						
13	54					14						
14	16											
15					4							
16												
17												
18												
19												
20												
21					48							
22					40							
23					11							58
24												14
25												
26												10
27												4
28											30	
29					---						16	
30		30			---							
31		---			---		---		---			---
TOTAL	510	30	3	34	112	21	0	0	0	0	46	85
MEAN	16	1	0	1	4	1	0	0	0	0	1	3
MAX	2033	71	6	44	269	21	0	0	0	0	729	820
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1012	59	6	67	222	42	0	0	0	0	92	168

WTR YR 2019 TOTAL 841 MEAN 2 MAX 2033 MIN 0 AC_FT 1668

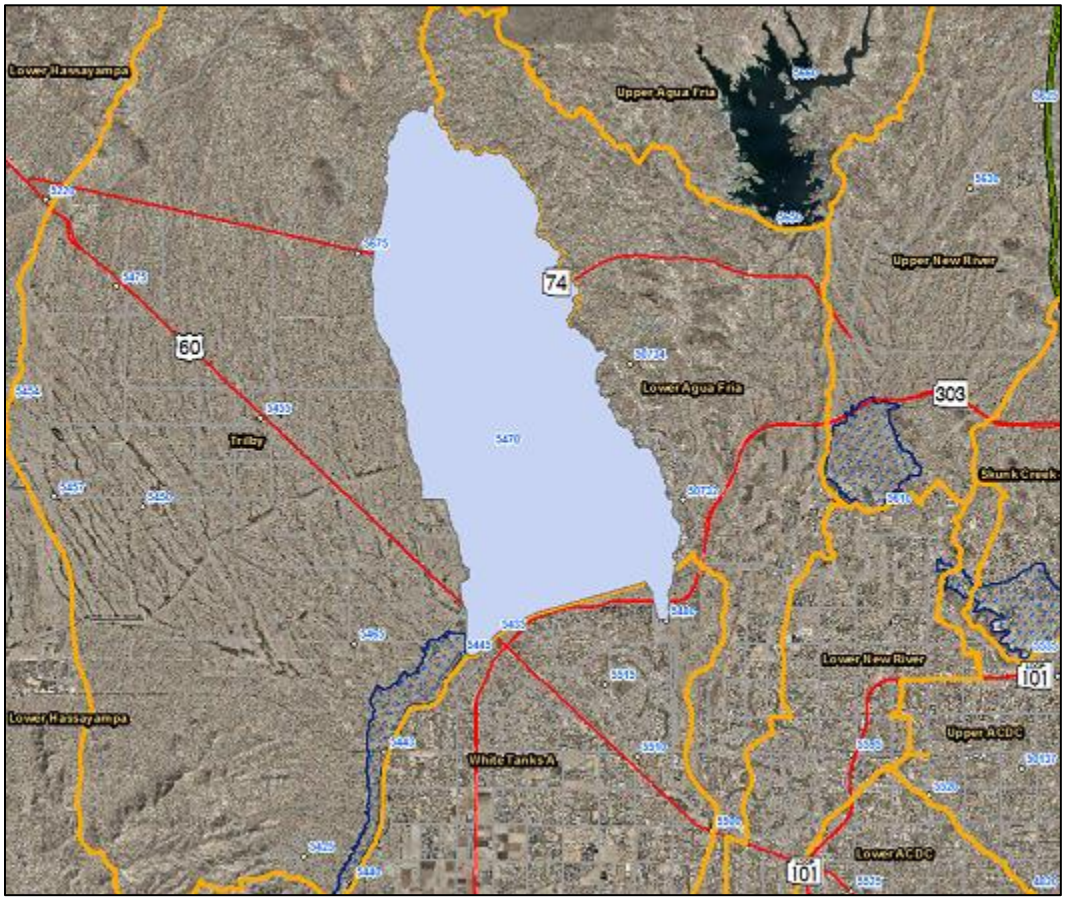
El Mirage Road Drain, ID #5483

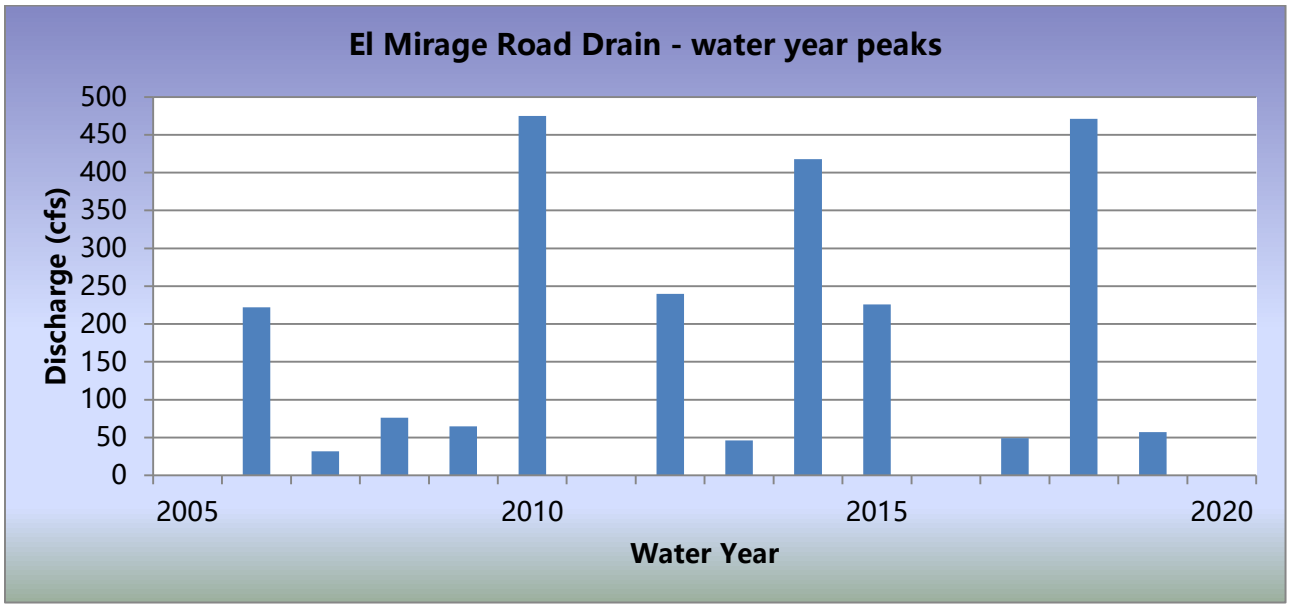


Site Data

LOCATION	Located near El Mirage Road south of Loop 303
DRAINAGE AREA	70.3 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Surprise, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S14 T4N R1W
LATITUDE	N 33° 41' 26.6" | +33.69072
LONGITUDE	W 112° 19' 40.9" | -112.32804
STREAMGAGE INSTALLATION DATE	02/16/2006 - WY 2006
AVAILABLE PERIOD OF RECORD (POR)	02/16/2006 - Current
LENGTH OF AVAILABLE POR DATA	13.62 Years | 4,975 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	475 cfs | 3.36 feet GH | 01/21/2010

Watershed Map

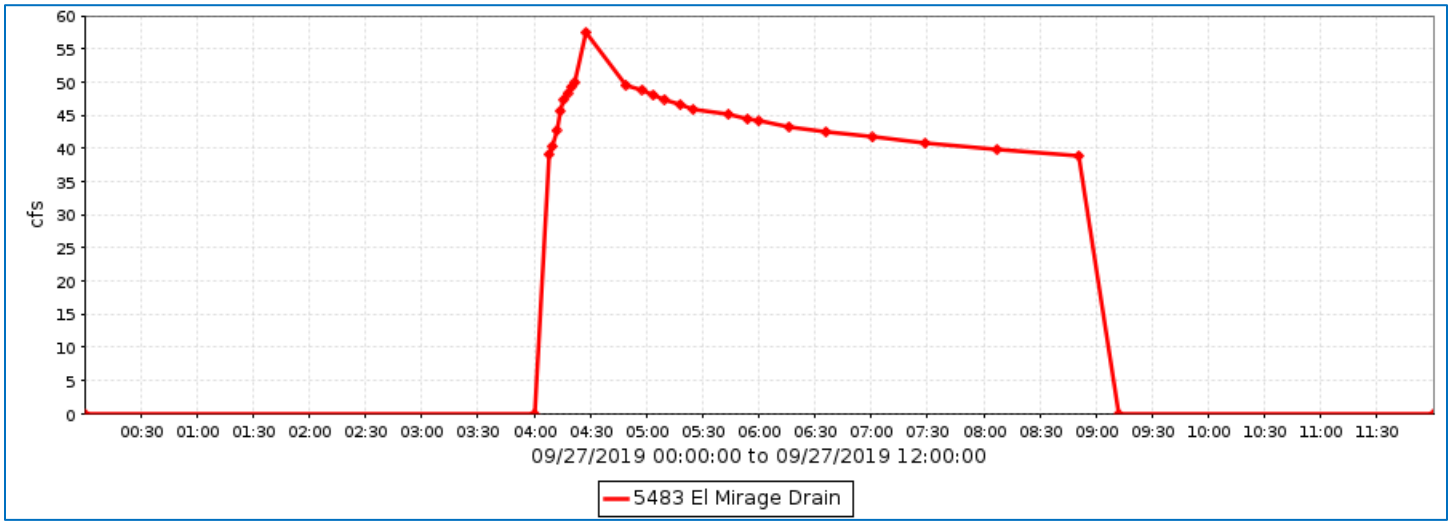




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	2.23	46
10/13/2018	2.15	46
02/15/2019	1.30	39
08/28/2019	1.52	41
09/23/2019	2.67	49
09/26/2019	1.45	40
09/27/2019	2.87	57

Hydrograph of peak WY 2019 flow event, 09/27/2019



Flood Flow Frequency

Flood Flow Frequency N=14, HEC-WRC computation (based on 14 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
83	**327**	**622**	**1,020**	**1,700**	**2,350**

NOTE(1): These results are based on very limited data.

Flood Flow Frequency FEMA Flood Insurance Study					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
		2,835		**4,747**	**6,023**

El Mirage Road Drain, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	13											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	12											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												16
24												5
25												
26												3
27												9
28											3	
29					---						11	
30					---							
31		---			---		---		---			---
TOTAL	25	0	0	0	0	0	0	0	0	0	14	34
MEAN	1	0	0	0	0	0	0	0	0	0	0	1
MAX	46	0	0	0	39	0	0	0	0	0	50	57
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	49	0	0	0	0	0	0	0	0	0	27	67

WTR YR 2019 TOTAL 72 MEAN 0 MAX 57 MIN 0 AC_FT 143

East Maricopa Floodway at Broadway Road, ID #6573

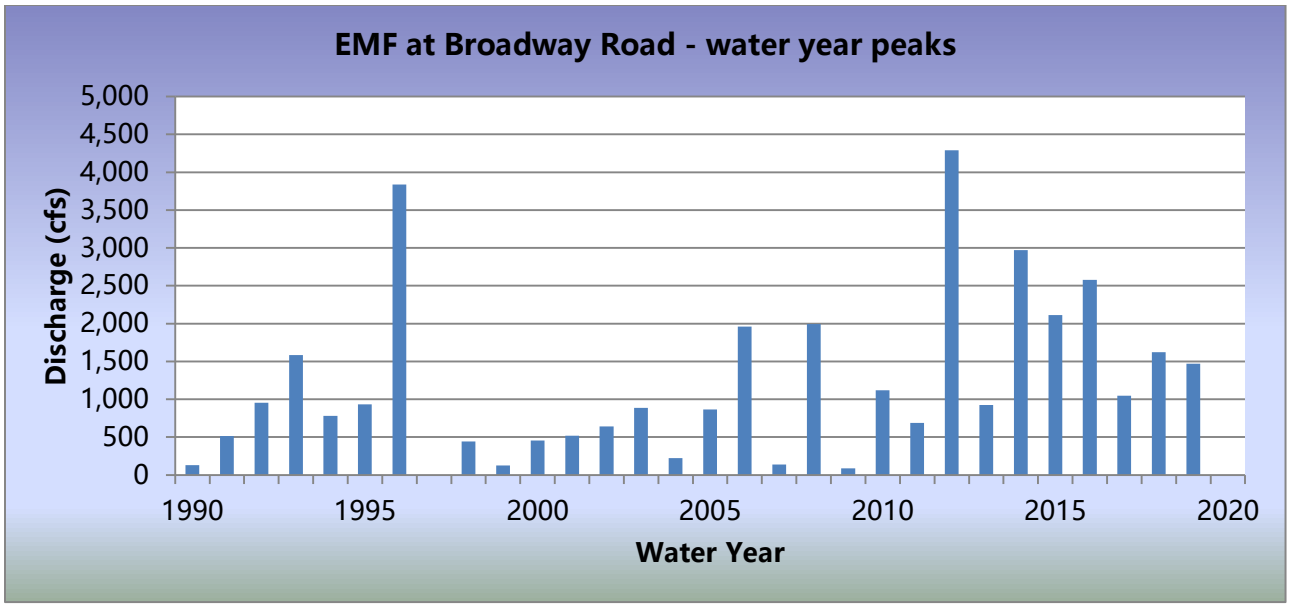


Site Data

LOCATION	Located about 1,000 feet south of Broadway Road, east of Higley Road
DRAINAGE AREA	11.3 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Mesa, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S26 T1N R6E
LATITUDE	N 33° 24' 19.8" | +33.40551
LONGITUDE	W 111° 42' 37.4" | -111.71040
STREAMGAGE INSTALLATION DATE	08/10/1989 - WY 1989
AVAILABLE PERIOD OF RECORD (POR)	09/03/1990 - Current
LENGTH OF AVAILABLE POR DATA	29.08 Years | 10,620 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-3.84 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	1,335.63 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	4,292 cfs | 5.08 feet GH | 09/07/2012

Watershed Map

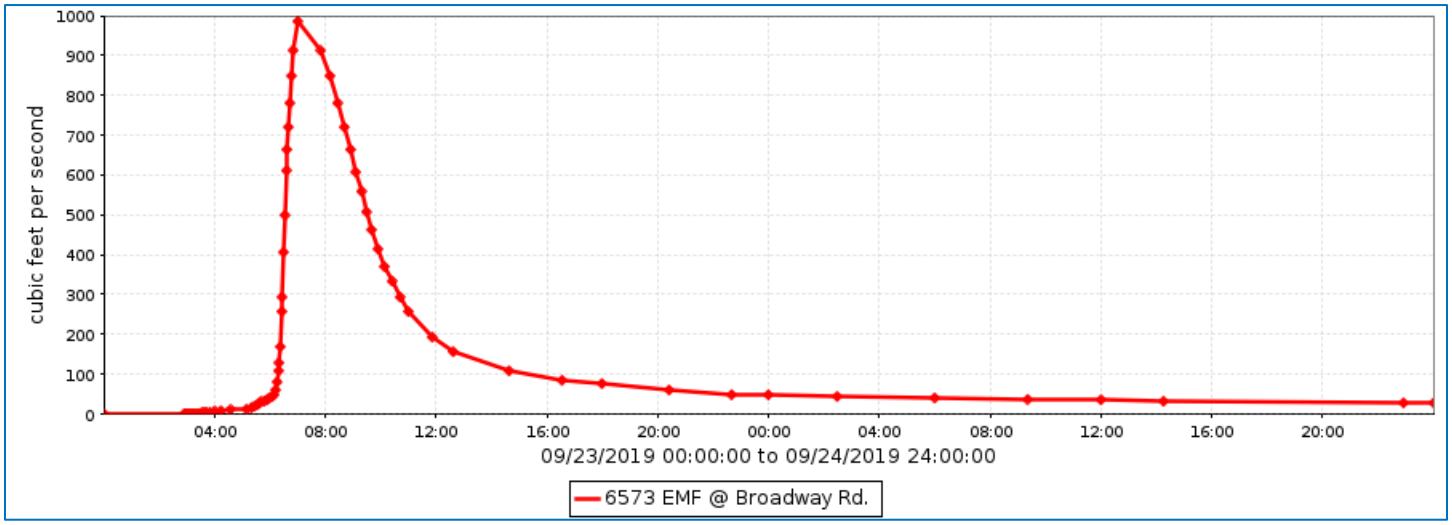




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/03/2018	1.12	210
10/13/2018	2.34	1,058
01/16/2019	0.54	28
02/22/2019	2.89	1,471
08/28/2019	1.29	306
09/23/2019	3.12	986

Hydrograph of peak WY 2019 flow event, 02/22/2019



Flood Flow Frequency

Flood Flow Frequency N=29, HEC-WRC computation (based on 29 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
793	**1,830**	**2,740**	**3,760**	**5,270**	**6,540**

NOTE(1): These results are based on limited data.

EMF at Broadway Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3	103											
4	43											
5												
6				12								
7				1								
8												
9												
10												
11												
12												
13	348											
14	275											
15	41											
16												
17												
18												
19												
20												
21					247							
22					747					3		
23					196					25		187
24					69					13		37
25					1					7		24
26										5		10
27										3		2
28										2	11	
29					---					1	34	
30					---						13	
31		---			---		---		---		2	---
TOTAL	811	0	0	12	1261	0	0	0	0	58	60	262
MEAN	26	0	0	0	45	0	0	0	0	2	2	9
MAX	1058	0	0	28	1471	0	0	0	0	34	147	986
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1608	0	0	25	2501	0	0	0	0	115	120	520

WTR YR 2019 TOTAL 2465 MEAN 7 MAX 1471 MIN 0 AC_FT 4889

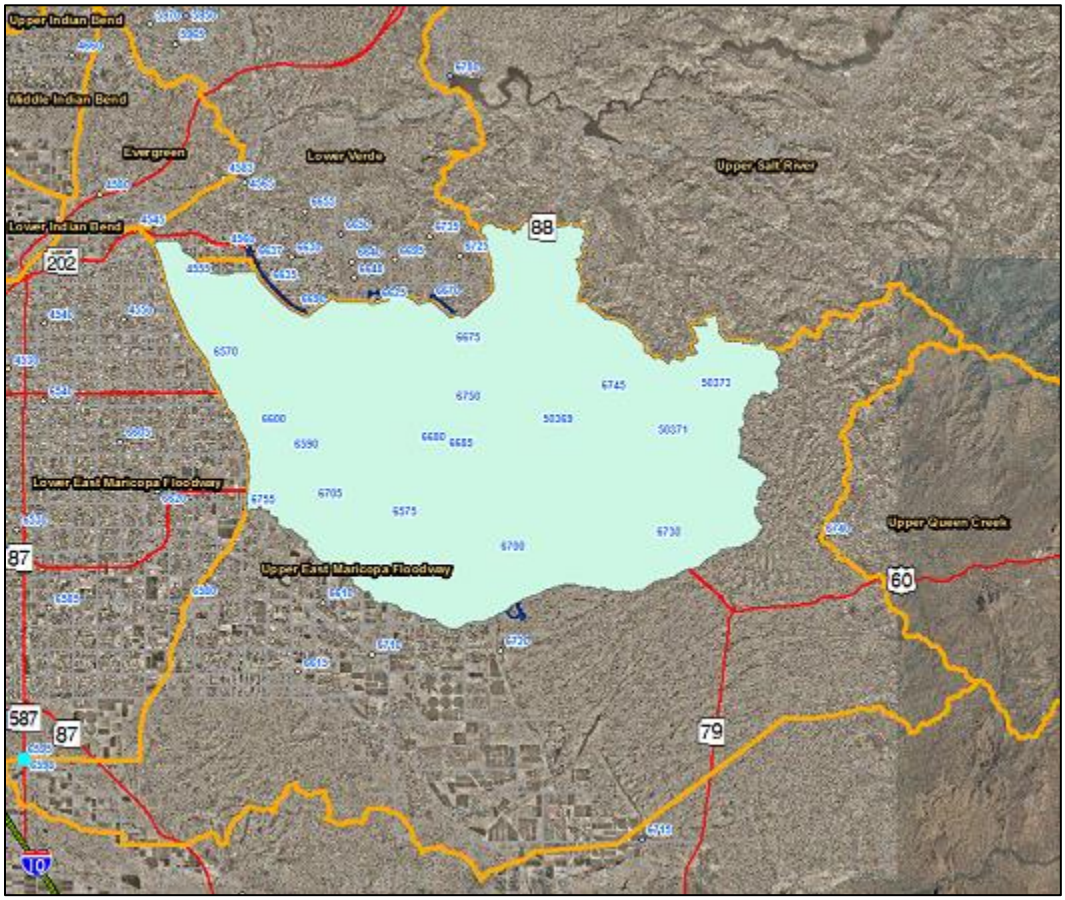
East Maricopa Fldwy below Powerline Floodway, ID #6758

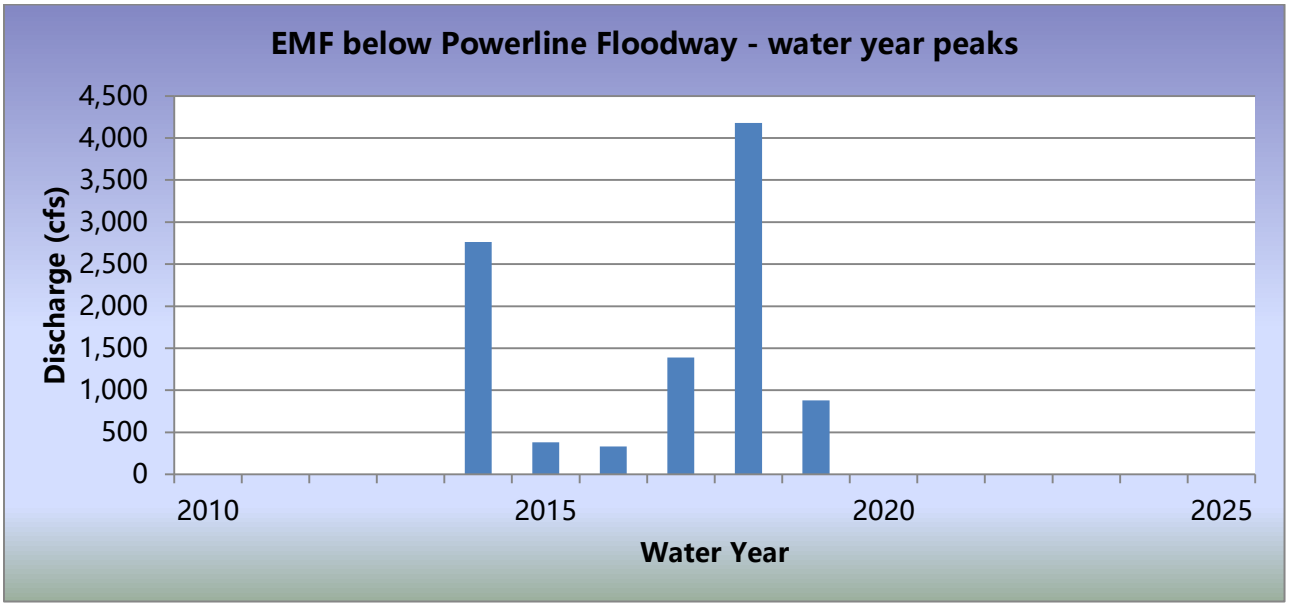


Site Data

LOCATION	Located about 1/3 mile downstream from Powerline Floodway
DRAINAGE AREA	257 mi^2
STREAM TYPE	Concrete Lined Channel
JURISDICTION	Mesa, Arizona
WATERSHED	Lower EMF
SECTION/TOWNSHIP/RANGE	S30 T1S R7E
LATITUDE	N 33° 19' 01.7" | +33.31715
LONGITUDE	W 111° 41' 03.3" | -111.68424
STREAMGAGE INSTALLATION DATE	04/15/2014 - WY 2014
AVAILABLE PERIOD OF RECORD (POR)	04/15/2014 - Current
LENGTH OF AVAILABLE POR DATA	5.46 Years | 1,995 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,316.23 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,372 cfs | 6.27 feet | 08/10/2018

Watershed Map

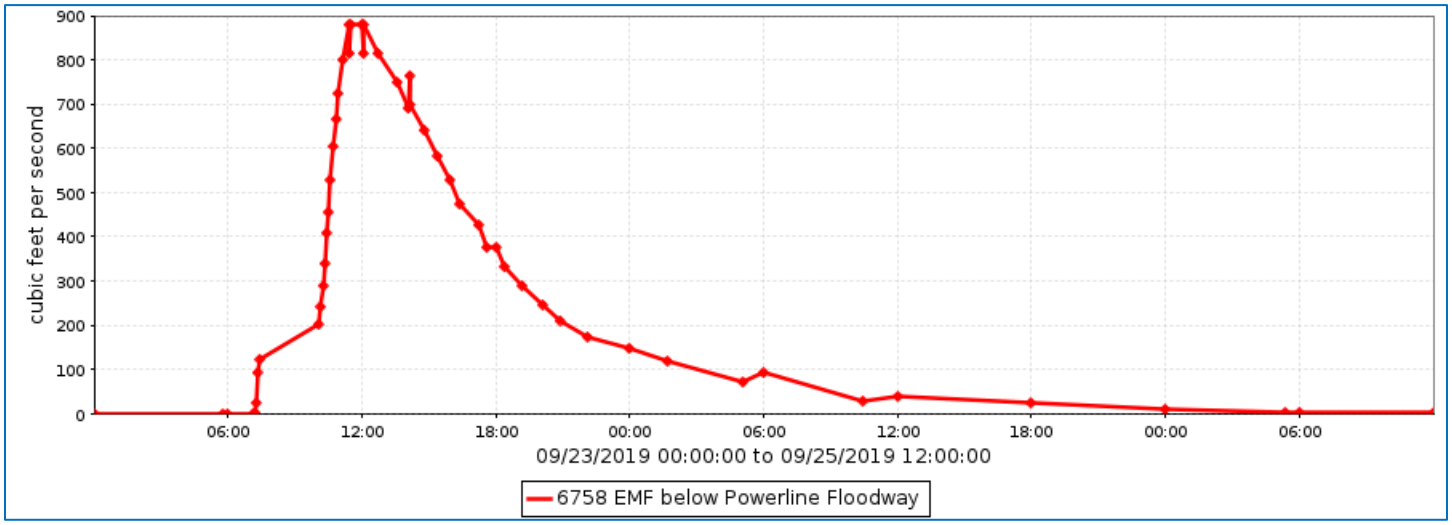




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/13/2018	0.76	20
02/22/2019	2.78	780
09/23/2019	2.97	879

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

EMF below Powerline Floodway, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	4											
14												
15												
16												
17												
18												
19												
20												
21					59							
22					375							
23					37							288
24												65
25												4
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	4	0	0	0	471	0	0	0	0	0	0	357
MEAN	0	0	0	0	17	0	0	0	0	0	0	12
MAX	20	0	0	0	780	0	0	0	0	0	0	879
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	8	0	0	0	934	0	0	0	0	0	0	708

WTR YR 2019 TOTAL 832 MEAN 2 MAX 879 MIN 0 AC_FT 1650

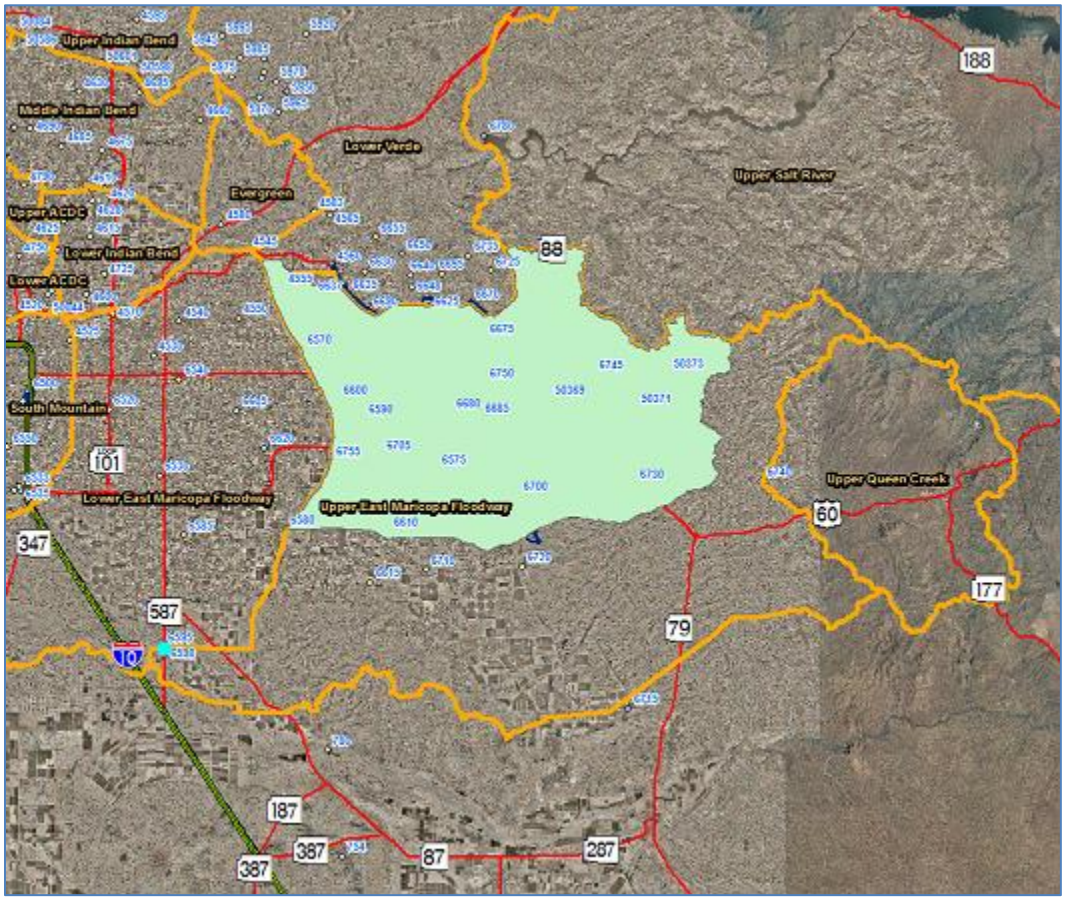
East Maricopa Floodway at Queen Creek Road, ID #6583

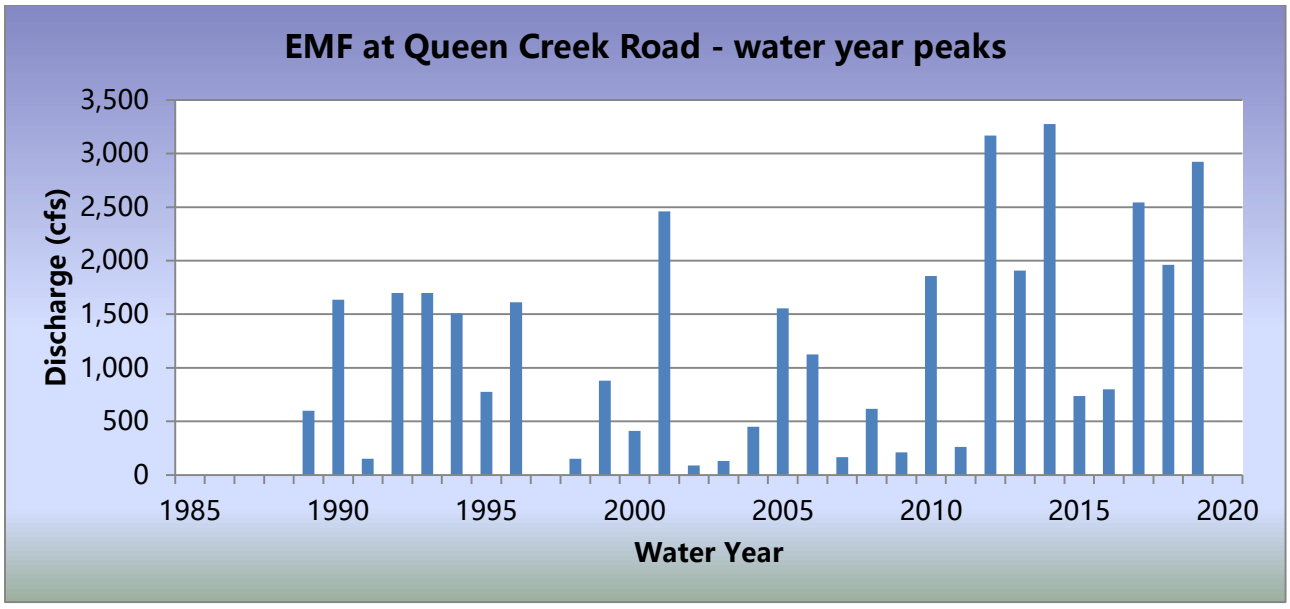


Site Data

LOCATION	West of the Higley and Queen Creek Roads intersection
DRAINAGE AREA	273.4 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Gilbert, Arizona
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S15 T2S R6E
LATITUDE	N 33° 15' 47.1" | +33.26307
LONGITUDE	W 111° 43' 32.6" | -111.72572
STREAMGAGE INSTALLATION DATE	01/18/1989 - WY 1989
AVAILABLE PERIOD OF RECORD (POR)	01/18/1989 - current
LENGTH OF AVAILABLE POR DATA	30.70 Years | 11,213 Days
DATA GAPS IN POR	10/22/2010 - 01/17/2012
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	-0.64 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	1,302.14 feet NAVD88
POINT OF ZERO FLOW	-1.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,162 cfs | 4.96 feet | 09/08/2014

Watershed Map

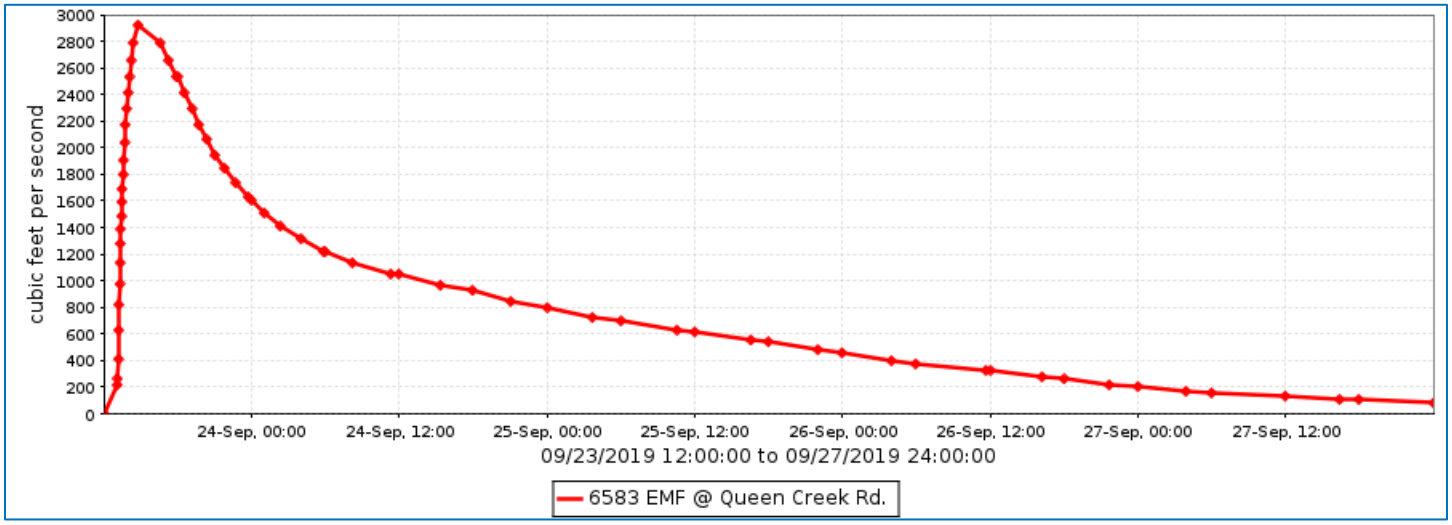




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/14/2018	1.33	316
01/07/2019	-0.14	48
02/22/2019	4.30	2,542
03/13/2019	0.61	100
07/27/2019	0.68	146
08/29/2019	1.05	252
09/23/2019	4.74	2,924

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=31, HEC-WRC computation (based on 31 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
817	**2,080**	**3,200**	**4,450**	**6,270**	**7,750**

NOTE(1): These results are based on limited data.

EMF at Queen Creek Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				23								
8												
9												
10												
11												
12												
13	55					75						
14	309					13						
15	148											
16												
17												
18												
19												
20												
21					2							
22					1661							
23					673							1036
24					199							1123
25					43							642
26					3					11		342
27										88	58	145
28										62	206	59
29					---						103	29
30					---							13
31		---			---		---		---			---
TOTAL	511	0	0	23	2581	89	0	0	0	162	366	3390
MEAN	16	0	0	1	92	3	0	0	0	5	12	113
MAX	360	0	0	31	2470	130	0	0	0	146	252	2924
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1014	0	0	45	5119	176	0	0	0	321	725	6724

WTR YR 2019 TOTAL 7121 MEAN 20 MAX 2924 MIN 0 AC_FT 14125

East Maricopa Floodway at Arizona Avenue, ID #6598

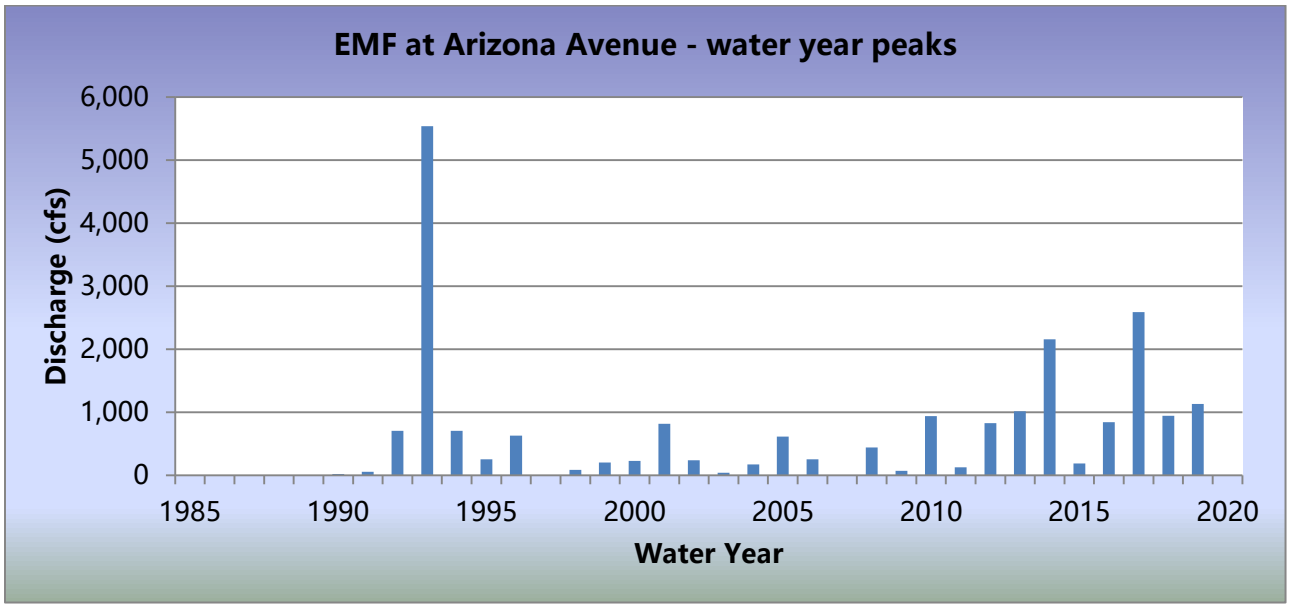


Site Data

LOCATION	On Arizona Avenue (SR 587) about 2 miles south of Sun Lakes
DRAINAGE AREA	668 mi^2(including Queen Creek)
STREAM TYPE	Engineered Channel
JURISDICTION	Gila River Indian Community
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S16 T3S R5E
LATITUDE	N 33° 10' 07.8" | +33.16882
LONGITUDE	W 111° 50' 27.7" | -111.84102
STREAMGAGE INSTALLATION DATE	02/10/1989 - WY 1989
AVAILABLE PERIOD OF RECORD (POR)	02/10/1989 - Current
LENGTH OF AVAILABLE POR DATA	30.64 Years | 11,190 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-0.15 feet Gage Height
STAFF GAGES	3
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,210.50 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,536 cfs | 4.07 feet | 01/11/1993

Watershed Map

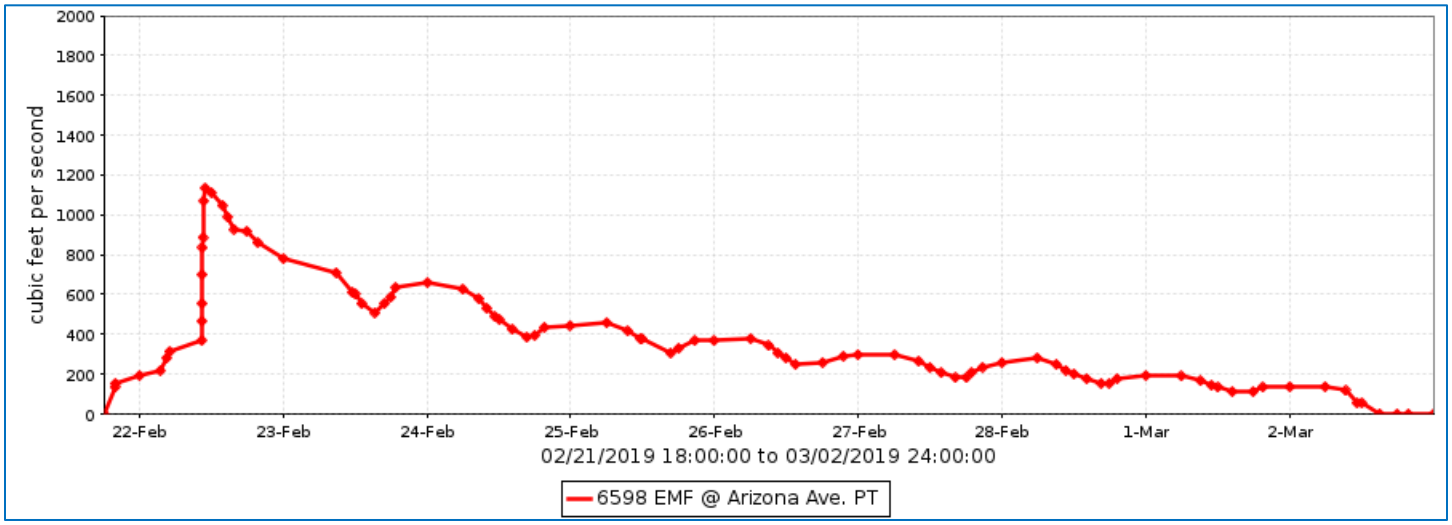




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/16/2018	0.60	188
02/15/2019	0.80	244
02/22/2019	2.67	1,133
03/15/2019	0.97	297
09/24/2019	1.54	500

Hydrograph of peak WY 2019 flow event, 02/22/2019



Flood Flow Frequency

Flood Flow Frequency N=31, HEC-WRC computation (based on 31 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
329	**1,030**	**1,810**	**2,850**	**4,650**	**6,390**

NOTE(1): These results are based on limited data.

EMF at Arizona Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						154						
2						72						
3												
4												
5												
6												
7	1											
8	2											
9												
10												
11												
12												
13						58						
14						215						
15					139	240						
16	164				208	167						
17	99				158	119						
18	15				175	67						
19					160							
20					64							
21					26							
22					655							
23					673							
24					524							374
25					399							262
26					312							215
27					252							101
28					218							
29					---							
30					---							
31		---			---		---		---			---
TOTAL	281	0	0	0	3961	1090	0	0	0	0	0	953
MEAN	9	0	0	0	141	35	0	0	0	0	0	32
MAX	188	0	0	0	1133	297	0	0	0	0	0	500
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	558	0	0	0	7857	2162	0	0	0	0	0	1890

WTR YR 2019 TOTAL 6285 MEAN 17 MAX 1133 MIN 0 AC_FT 12466

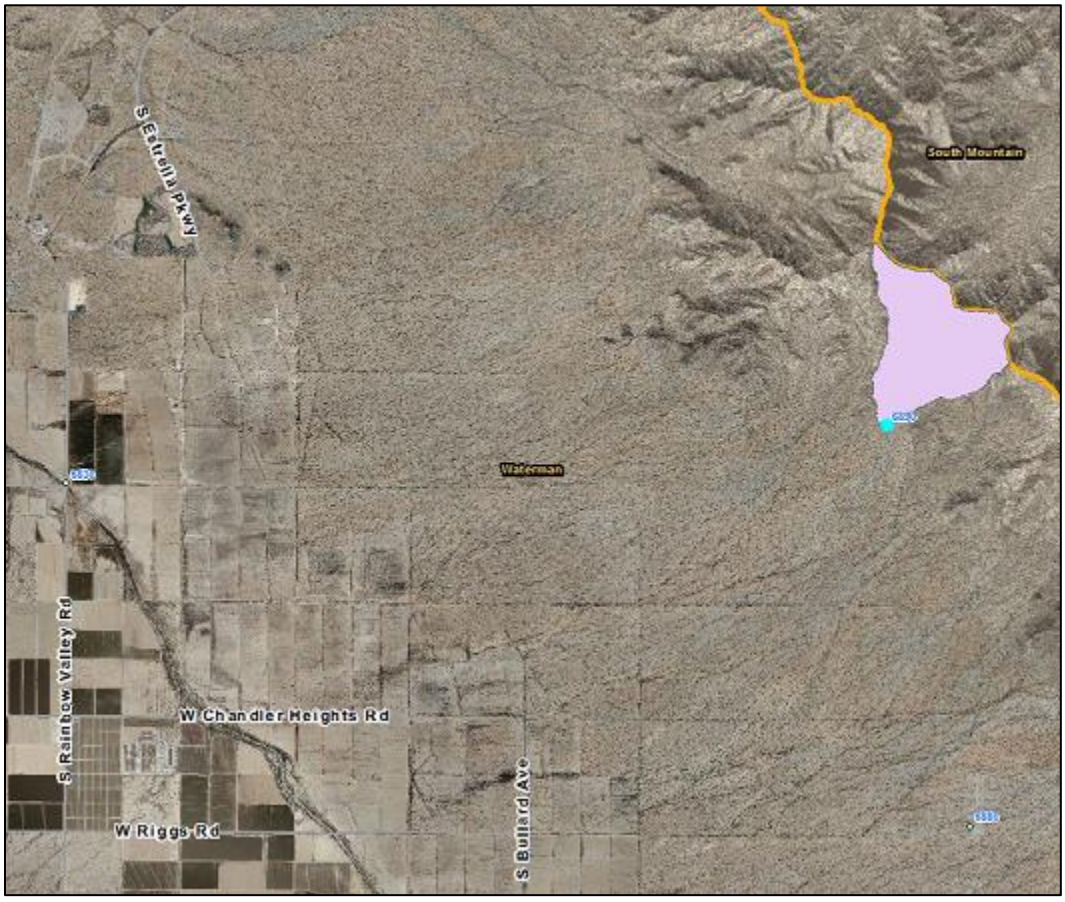
Estrella Fan, ID #6893

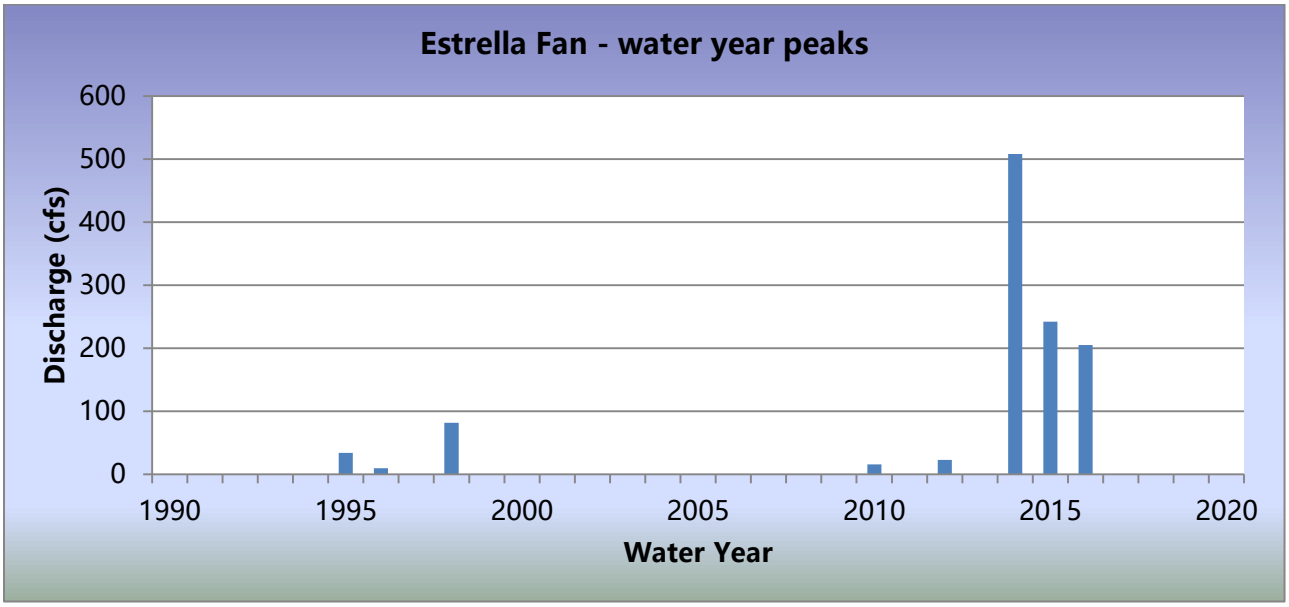


Site Data

LOCATION	Located in northwest part of the Estrella Mountains
DRAINAGE AREA	1.0 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Goodyear, Arizona
WATERSHED	Waterman
SECTION/TOWNSHIP/RANGE	S12 T2S R1W
LATITUDE	N 33° 16' 10.1" | +33.26949
LONGITUDE	W 112° 19' 15.3" | -112.32091
STREAMGAGE INSTALLATION DATE	04/30/1993 - WY 1993
AVAILABLE PERIOD OF RECORD (POR)	04/30/1993 - Current
LENGTH OF AVAILABLE POR DATA	26.42 Years | 9,650 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	6 - not related to transducer gage height
ZERO GAGE HEIGHT ELEVATION	1,446.87 feet NAVD88
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	508 cfs | 1.60 feet | 09/08/2014

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
None		

Hydrograph of peak WY 2019 flow event,

No runoff events occurred in Water Year 2019.

Flood Flow Frequency

Flood Flow Frequency HEC-1 Analysis, 1997					
2-year	**5-year**	**10-year**	**25-year**	**50-year**	**100-year**
310	**860**	**1,280**	**1,800**	**2,250**	**2,710**

Estrella Fan, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												---
2												---
3												---
4												---
5												---
6												---
7												---
8												---
9												
10												
11												
12												---
13											---	---
14											---	---
15												---
16												
17												
18												---
19												
20												---
21												---
22												---
23												
24												---
25											---	
26					---							---
27												---
28												---
29					---							---
30					---							---
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Flying E Wash, ID #7083

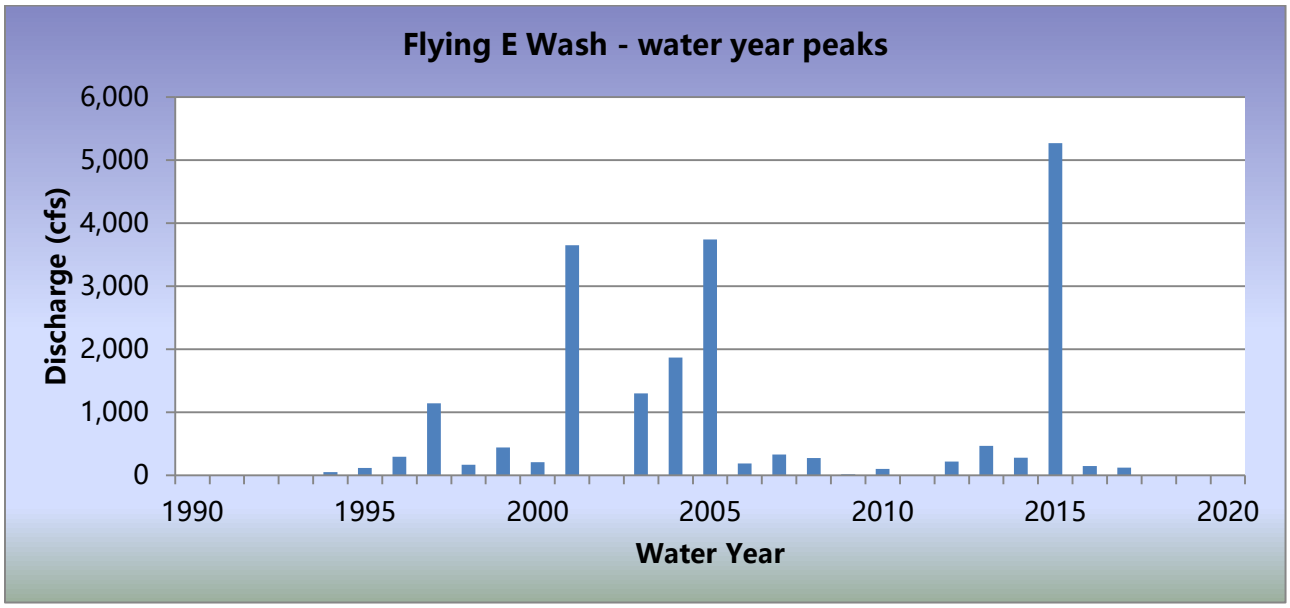


Site Data

LOCATION	About 1 mile west of Vulture Mine Road on US 60
DRAINAGE AREA	8.5 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S09 T7N R5W
LATITUDE	N 33° 57' 44.0" | +33.96223
LONGITUDE	W 112° 46' 58.5" | -112.78291
STREAMGAGE INSTALLATION DATE	07/12/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	07/12/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.22 Years | 9,212 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,283.20 feet NAVD88
POINT OF ZERO FLOW	0.4 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,267 cfs | 7.07 feet | 07/18/2015

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
None		

Hydrograph of peak WY 2019 flow event,

No runoff events occurred in Water Year 2019.

Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
220	**1,040**	**2,200**	**3,970**	**7,500**	**11,300**

NOTE: These results are based on limited data.

Flying E Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 1 MIN 0 AC_FT 0

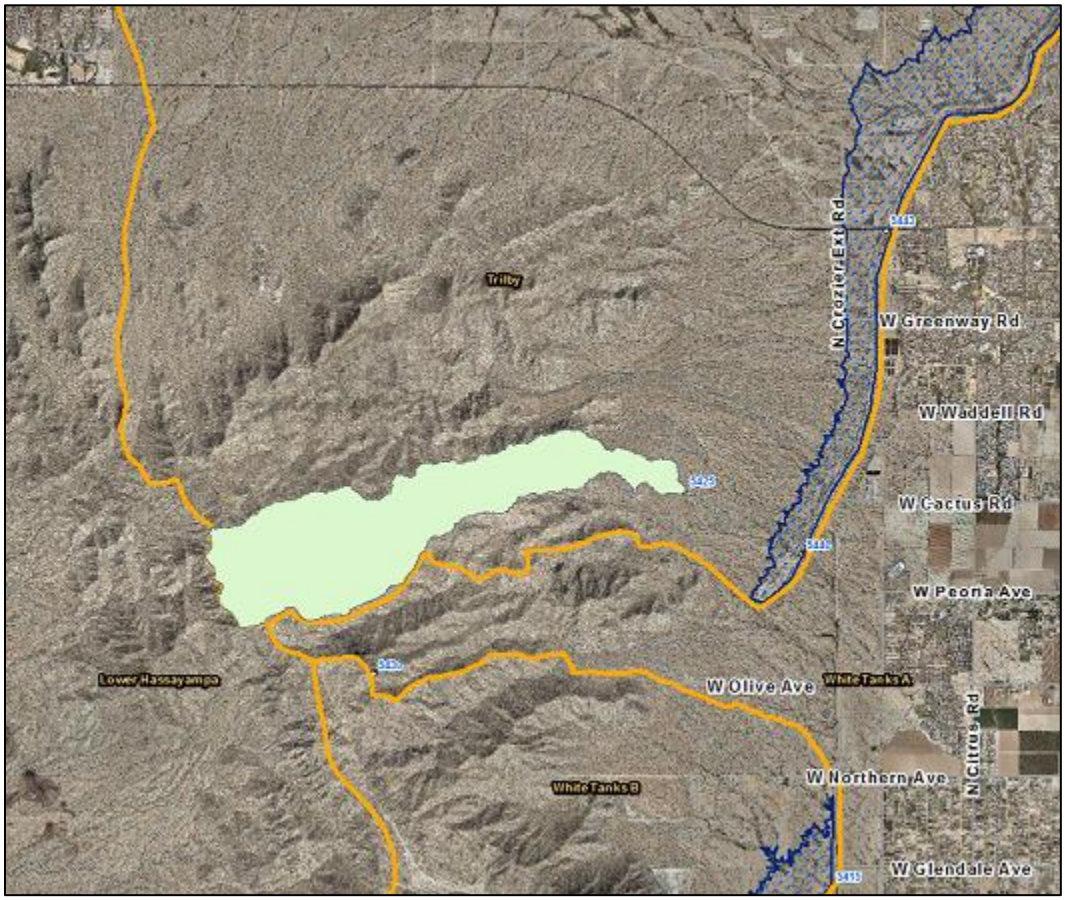
Ford Canyon Wash, ID #5428

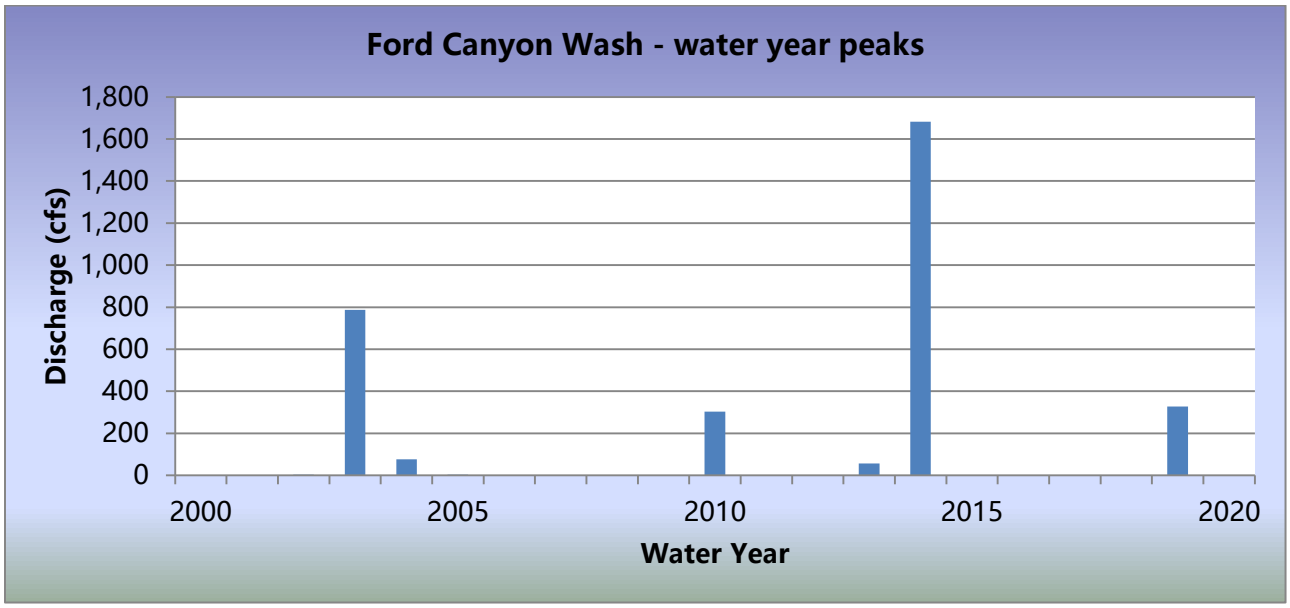


Site Data

LOCATION	Located in the north part of White Tanks Regional Park
DRAINAGE AREA	4.3 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	White Tanks B
SECTION/TOWNSHIP/RANGE	S18 T3N R2W
LATITUDE	N 33° 35' 47.3" | +33.59648
LONGITUDE	W 112° 29' 57.3" | -112.49925
STREAMGAGE INSTALLATION DATE	02/05/2002 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	02/05/2002 - Current
LENGTH OF AVAILABLE POR DATA	17.65 Years | 6,447 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.72 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,468.00 feet NAVD88
POINT OF ZERO FLOW	-0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,682 cfs | 4.37 feet | 09/08/2014

Watershed Map

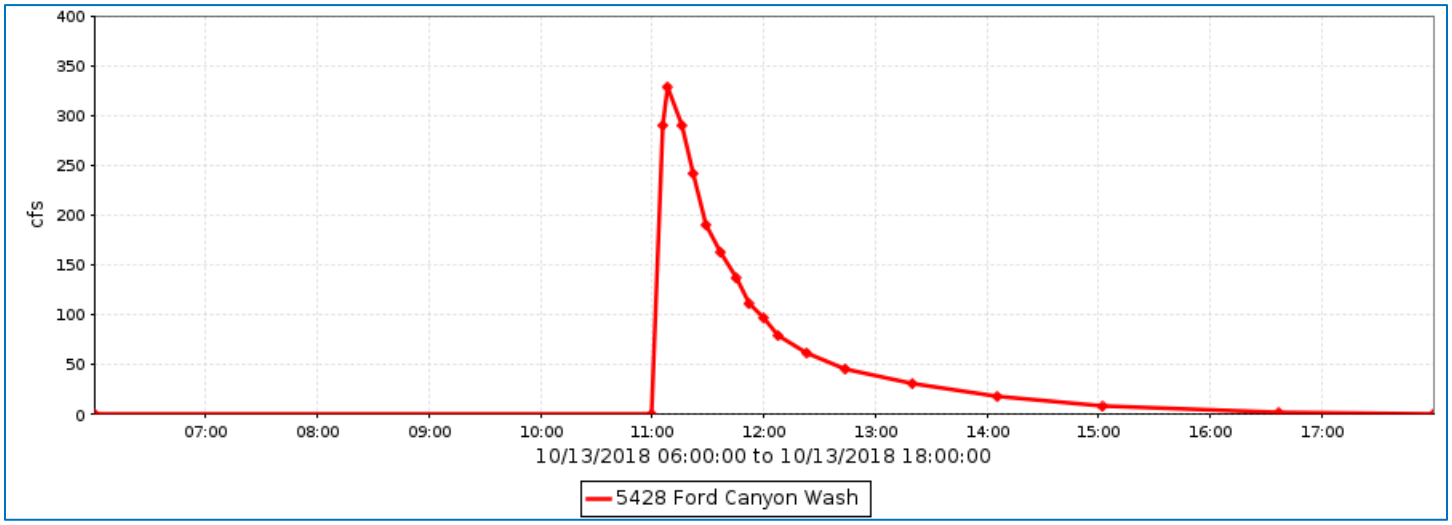




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/13/2018	2.37	328
10/14/2018	1.15	40
09/26/2019	1.23	51

Hydrograph of peak WY 2019 flow event, 10/13/2018



Flood Flow Frequency

Flood Flow Frequency Based on USGS Streamstats					
2-year	**5-year**	**10-year**	**25-year**	**50-year**	**100-year**
222	**637**	**1,090**	**1,700**	**2,440**	**3,350**

Ford Canyon Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11									10			
12												
13	13											
14	3											
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												3
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	17	0	0	0	0	0	0	1	10	0	0	3
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	328	4	0	0	0	0	0	1	51	1	1	51
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	33	0	0	0	0	0	0	2	21	1	0	6

WTR YR 2019 TOTAL 32 MEAN 0 MAX 328 MIN 0 AC_FT 63

Fourth of July Wash, ID #5043

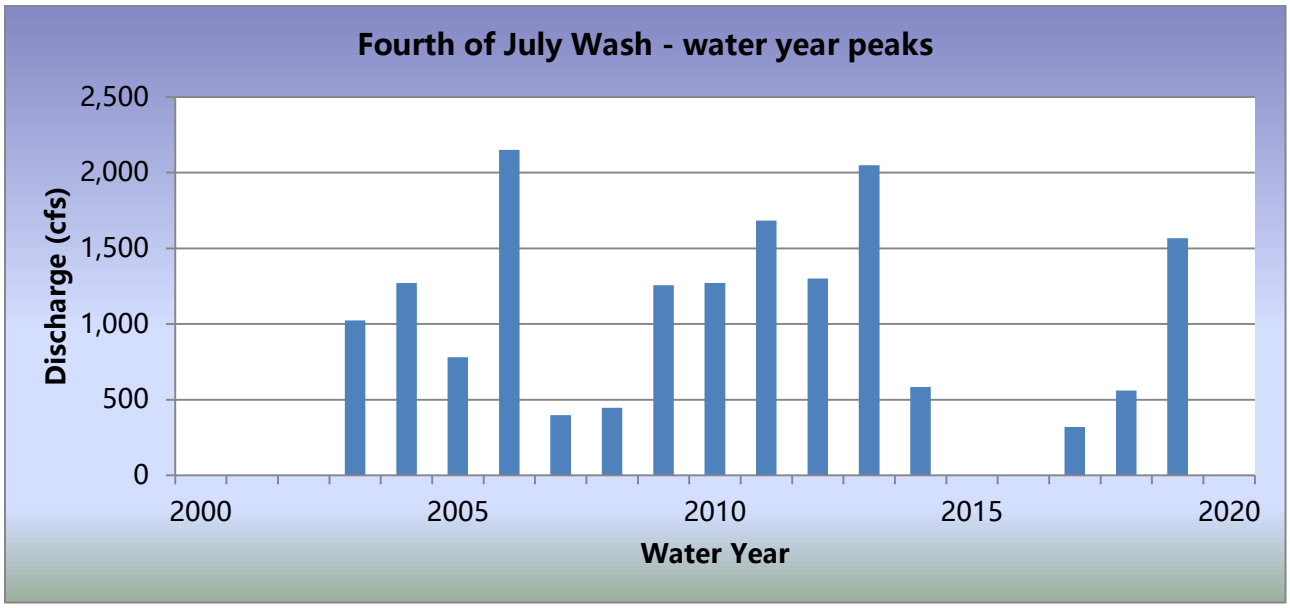


Site Data

LOCATION	Western Maricopa County about 20 miles west of Arlington
DRAINAGE AREA	3.7 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Gila
SECTION/TOWNSHIP/RANGE	S01 T2S R9W
LATITUDE	N 33° 16' 39.5" | +33.27763
LONGITUDE	W 113° 07' 47.1" | -113.12976
STREAMGAGE INSTALLATION DATE	03/14/2002 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	03/14/2002 - Current
LENGTH OF AVAILABLE POR DATA	17.55 Years | 6,410 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,110.00 feet NAVD88
POINT OF ZERO FLOW	-0.25 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,150 cfs | 4.35 feet | 08/30/2006

Watershed Map

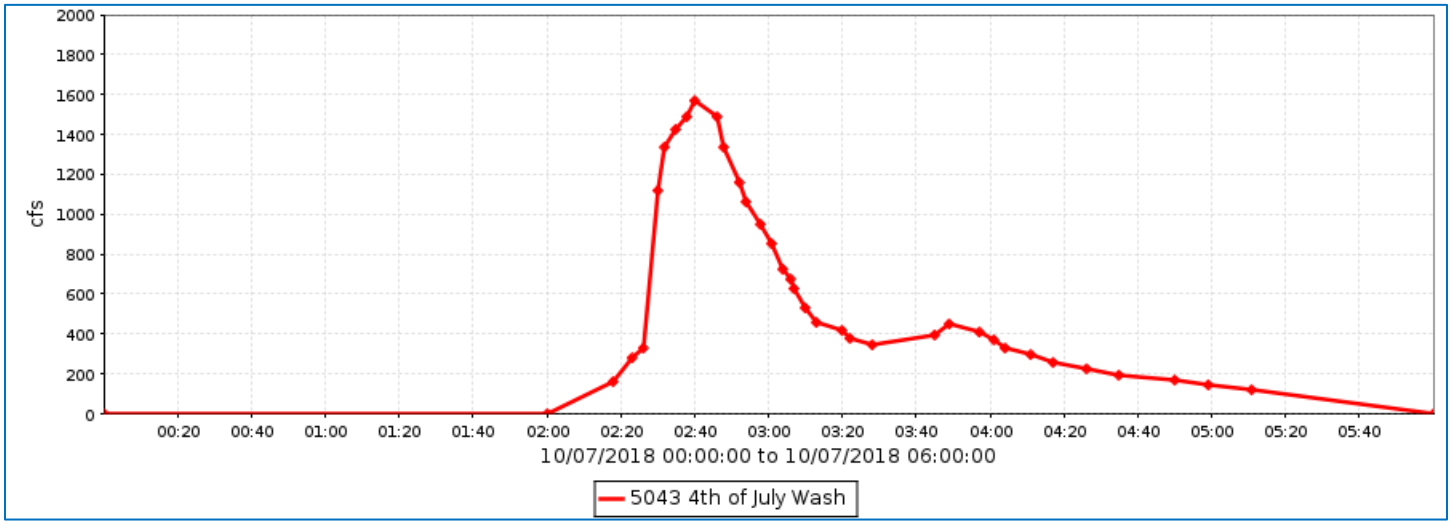




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.35	408
10/07/2018	3.56	1,568

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

Flood Flow Frequency N=18, HEC-WRC computation (based on 18 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
825	**1,470**	**1,940**	**2,420**	**3,060**	**3,550**

NOTE: These results are based on very limited data.

Fourth of July Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	32											
3												
4												
5												
6			---									
7	64		---									
8			---									
9			---									
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	96	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	0	0	0	0	0	0	0	0	0	0	0
MAX	1568	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	190	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 96 MEAN 0 MAX 1568 MIN 0 AC_FT 190

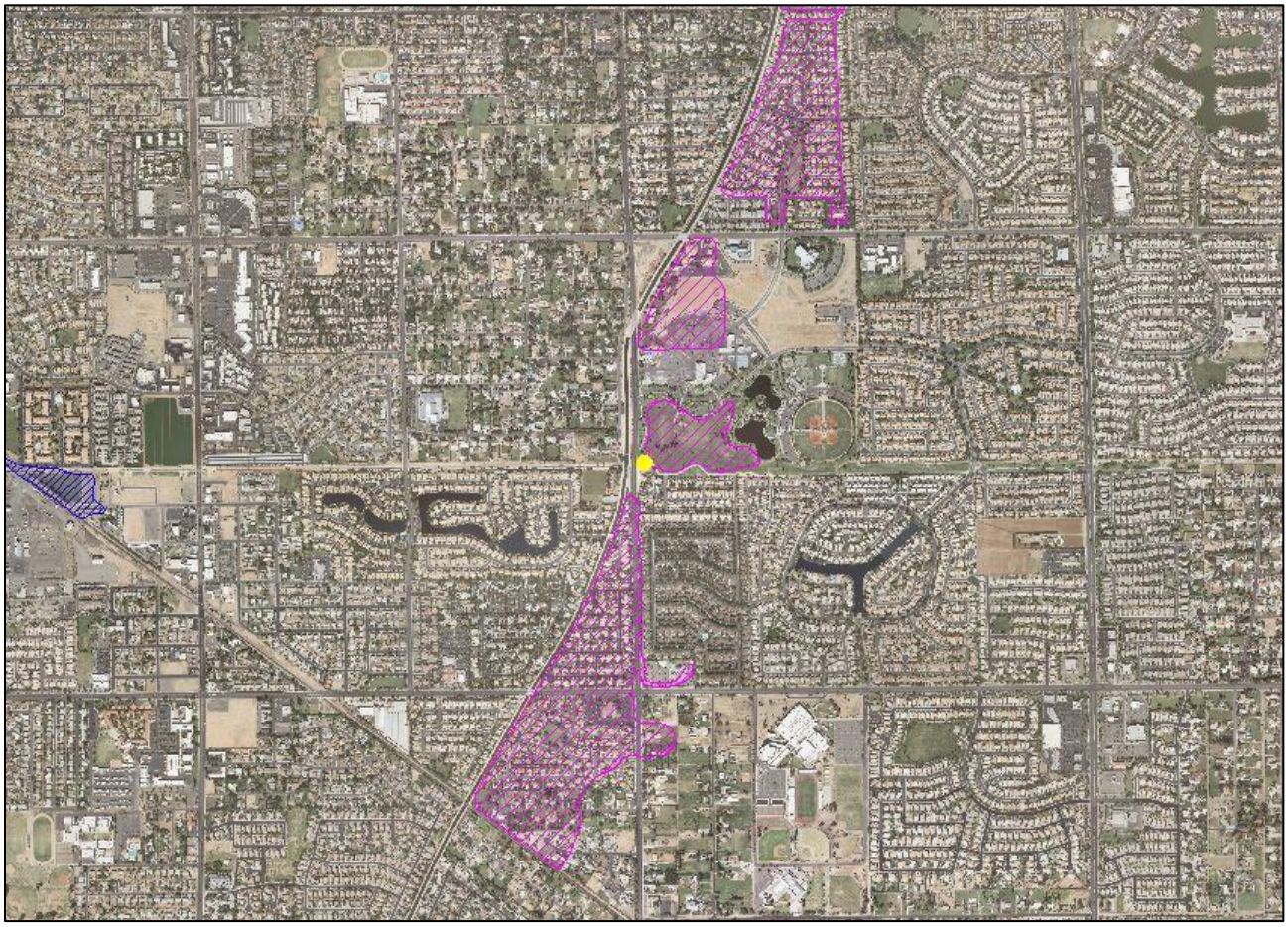
Freestone Basin, ID #6608

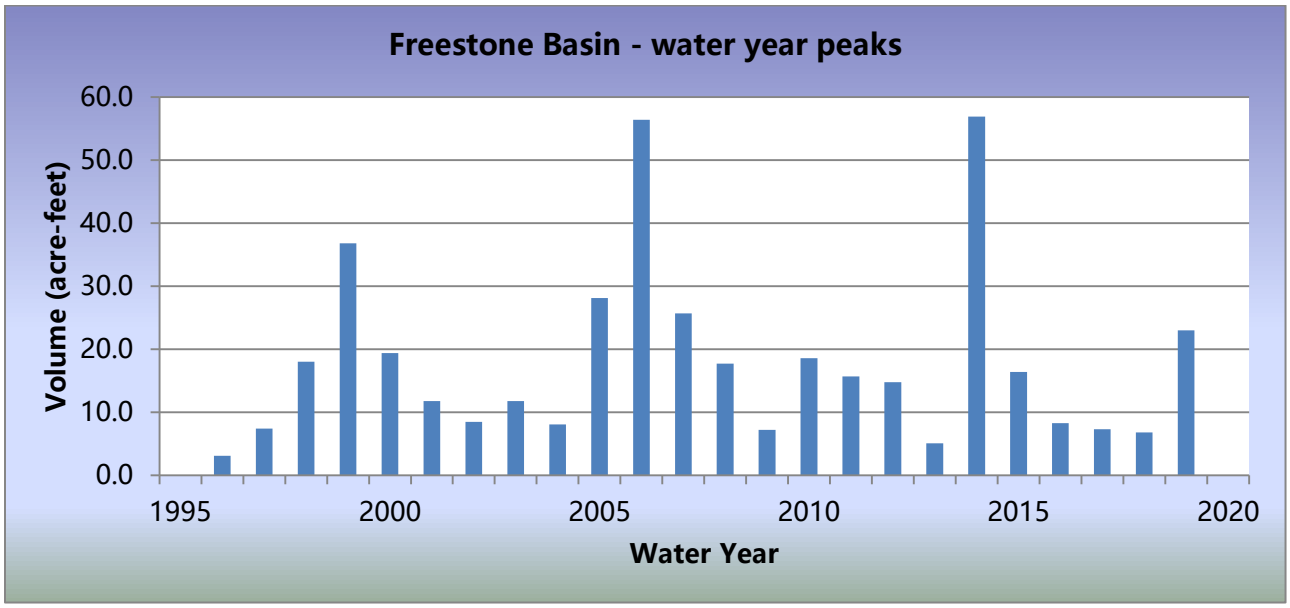


Site Data

LOCATION	Near Lindsay Road south of Guadalupe Road
DRAINAGE AREA	2.2 mi^2
STREAM TYPE	Flood control basin
JURISDICTION	Gilbert, Arizona
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S08 T1S R6E
LATITUDE	N 33° 21' 26.4" | +33.35734
LONGITUDE	W 111° 46' 21.9" | -111.77274
STREAMGAGE INSTALLATION DATE	12/19/1995 - WY 1996
AVAILABLE PERIOD OF RECORD (POR)	12/19/1995 - Current
LENGTH OF AVAILABLE POR DATA	23.78 Years | 8,687 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.10 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,219.41 feet NAVD88
POINT OF ZERO FLOW	None - Pump Control
SPILLWAY CREST ELEVATION	None
TOP OF BASIN ELEVATION	25.0 feet Gage Height

Location Map

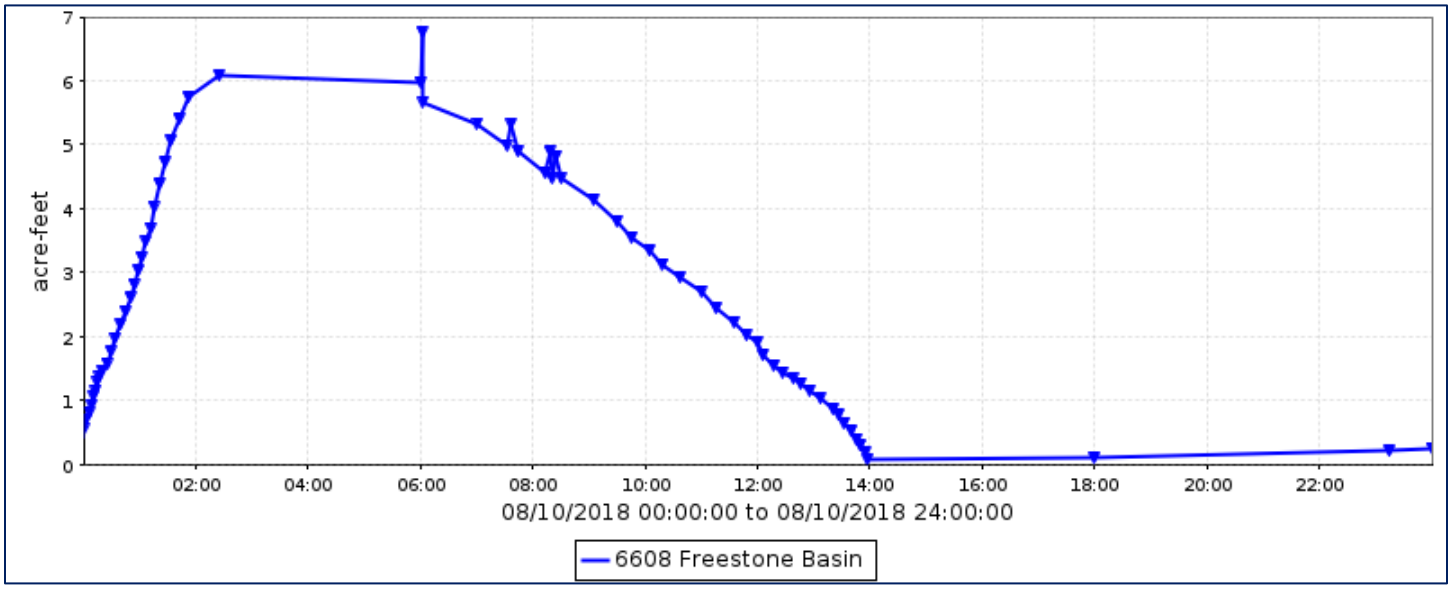




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
02/22/2019	9.61	23.0	10.6

Hydrograph of peak WY 2019 impoundment event, 02/22/2019



Freestone Basin, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1		1	2								
2	2		1	1								
3			1		1							
4												
5												
6				5								
7	2			5								
8	1			2								
9												
10												
11												
12						1	---					
13	4					1						
14	7					1						
15	6	1										
16	2											
17												
18												
19												
20												
21					3							
22					22							
23					22							9
24					19							11
25					8							7
26												
27				1								
28		1										
29					---							
30		1			---							
31		---	1		---		---		---			---
MEAN	1	0	0	1	3	0	0	0	0	0	0	1
MAX	8	2	2	6	23	1	0	0	0	1	0	13
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 23 MIN 0

Freestone Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	2.8	3.9	4.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2	4.4	2.8	3.7	3.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3	3.1	2.8	3.4	2.8	3.6	2.1	2.1	2.1	2.1	2.1	2.2	2.1
4	2.8	2.8	3.2	2.8	2.8	2.1	2.1	2.1	2.1	2.1	3.0	2.1
5	2.8	2.8	3.0	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.1
6	2.8	2.8	2.8	5.7	2.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7	4.5	2.8	2.8	5.9	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1
8	3.6	2.8	2.8	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
9	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
10	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.3	2.1	2.1	2.1	2.1
11	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
12	2.8	2.9	2.8	2.8	2.1	3.5	---	2.1	2.1	2.1	2.1	2.1
13	4.8	2.8	2.8	2.8	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1
14	6.5	2.8	2.8	2.9	2.3	3.0	2.1	2.1	2.1	2.1	2.1	2.1
15	6.2	3.2	2.8	2.9	2.4	2.4	2.1	2.3	2.3	2.1	2.1	2.1
16	4.3	3.1	2.8	2.8	2.1	2.9	2.1	2.1	2.3	2.1	2.1	2.1
17	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
18	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
19	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
20	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
21	2.8	2.8	2.8	2.8	4.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
22	2.8	2.8	2.8	2.8	9.5	2.1	2.2	2.1	2.1	2.1	2.1	2.1
23	2.8	2.8	2.8	2.8	9.4	2.1	2.1	2.1	2.1	2.1	2.1	6.5
24	2.8	2.8	2.8	2.8	8.9	2.1	2.1	2.1	2.1	2.1	2.1	7.5
25	2.8	2.8	2.8	2.8	6.7	2.1	2.1	2.1	2.1	2.1	2.1	6.2
26	2.8	2.8	2.8	2.8	2.4	2.2	2.1	2.1	2.1	2.1	2.1	2.2
27	2.8	2.8	2.8	3.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
28	2.8	3.2	2.8	3.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
29	2.8	3.1	2.8	2.8	---	2.1	2.1	2.1	2.1	2.1	2.1	2.1
30	2.8	4.0	2.8	2.8	---	2.1	2.1	2.1	2.1	2.2	2.1	2.1
31	2.8	---	3.3	2.8	---	2.1	---	2.1	---	2.5	2.1	---
MEAN	3.3	2.9	2.9	3.2	3.2	2.3	2.1	2.1	2.1	2.1	2.1	2.6
MAX	6.7	4.7	4.6	6.0	9.6	4.3	2.3	3.0	2.6	3.4	3.0	7.9
MIN	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

WTR YR 2019 MEAN 2.58 MAX 9.61 MIN 2.10

Galloway Wash at Galloway Road, ID #20607

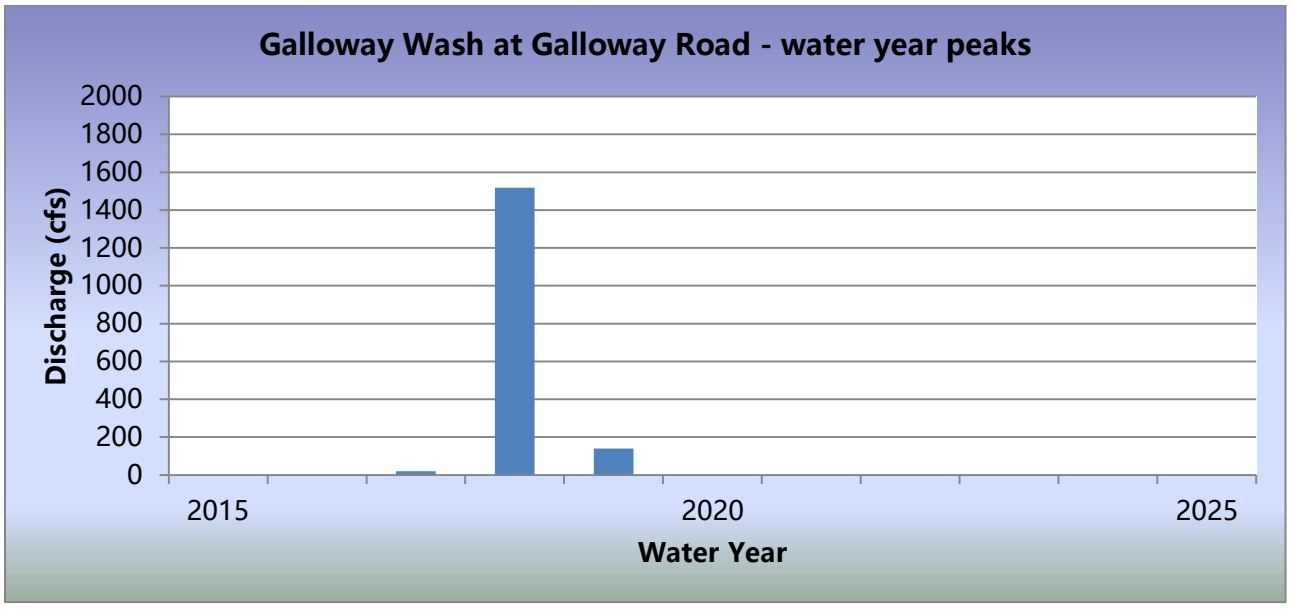


Site Data

LOCATION	Located on Galloway Road about 1/8 mile north of Cave Creek Road
DRAINAGE AREA	6.4 mi^2
STREAM TYPE	Natural
JURISDICTION	Cave Creek, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S34 T6N R4E
LATITUDE	N 33° 49' 54.1" | +33.83170
LONGITUDE	W 111° 55' 43.3" | -111.92870
STREAMGAGE INSTALLATION DATE	08/16/2016 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	08/16/2016 - Current
LENGTH OF AVAILABLE POR DATA	3.12 Years | 1,141 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,285.00 feet NAVD88
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,518 cfs | 2.52 feet GH | 08/23/2018

Watershed Map

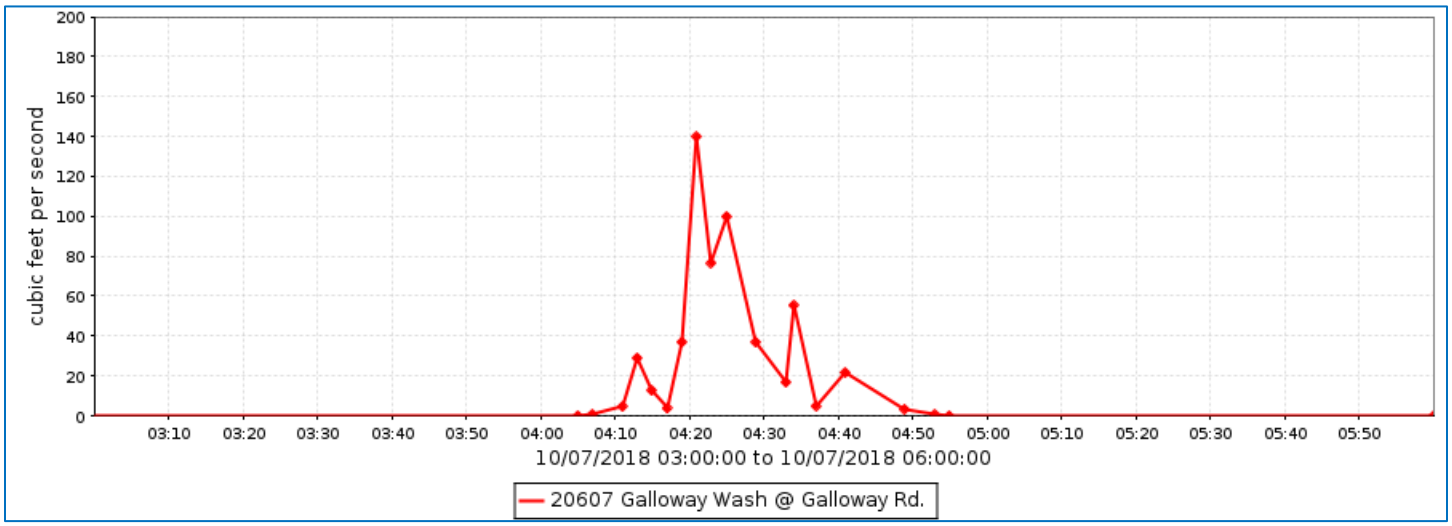




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/07/2018	1.13	140

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Galloway Wash at Galloway Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7	1											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	140	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 1 MEAN 0 MAX 140 MIN 0 AC_FT 2

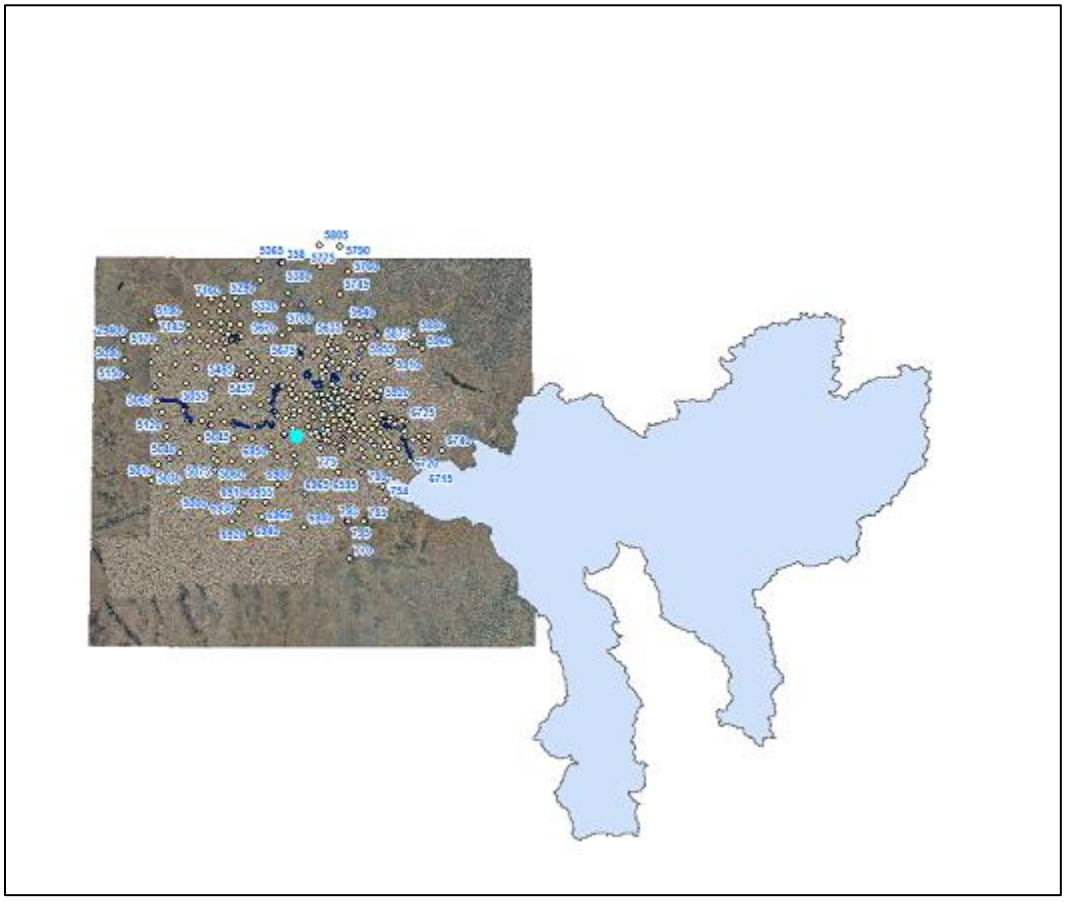
Gila River at Olberg Road, ID #0783

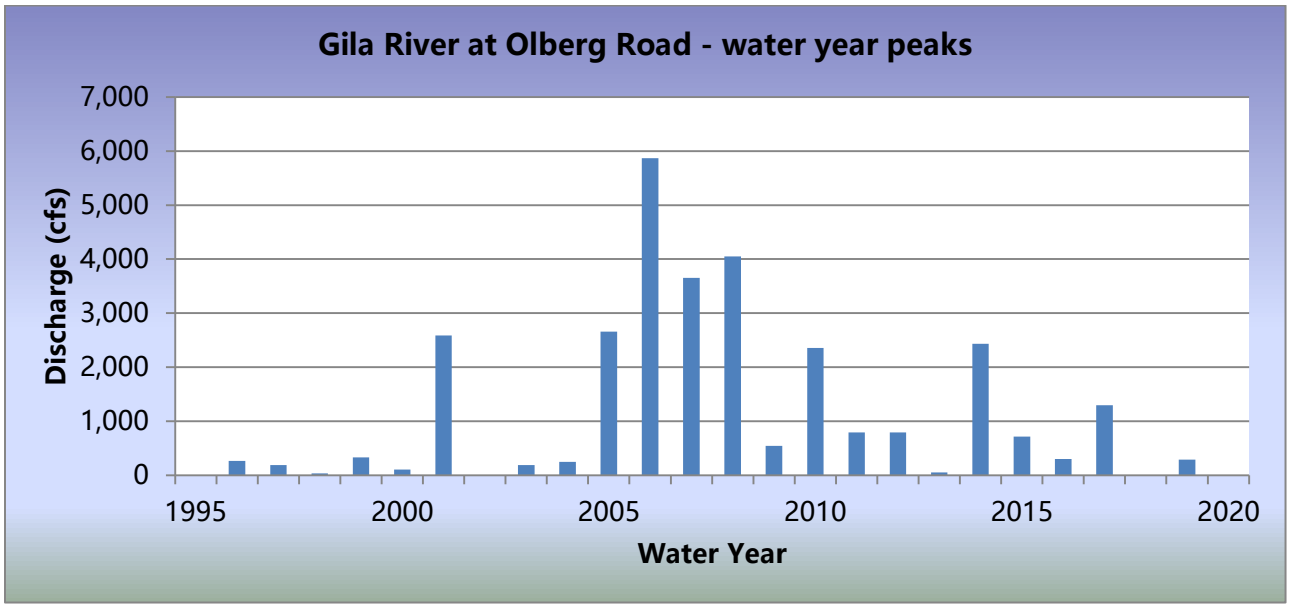


Site Data

LOCATION	Near Sacaton on the Gila River Indian Community
DRAINAGE AREA	18,784 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Gila River Indian Community, Arizona
WATERSHED	Gila
SECTION/TOWNSHIP/RANGE	S12 T4S R6E
LATITUDE	N 33° 05' 13.4" | +33.08706
LONGITUDE	W 111° 41' 13.2" | -111.68700
STREAMGAGE INSTALLATION DATE	04/12/1995 - WY 1995
AVAILABLE PERIOD OF RECORD (POR)	04/12/1995 - Current
LENGTH OF AVAILABLE POR DATA	24.47 Years | 8,938 Days
DATA GAPS IN POR	09/19/2016 – 10/31/2016
STAGE GAGE ELEVATION	0.25 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,284.69 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,867 cfs | 6.16 feet | 08/02/2006

Watershed map

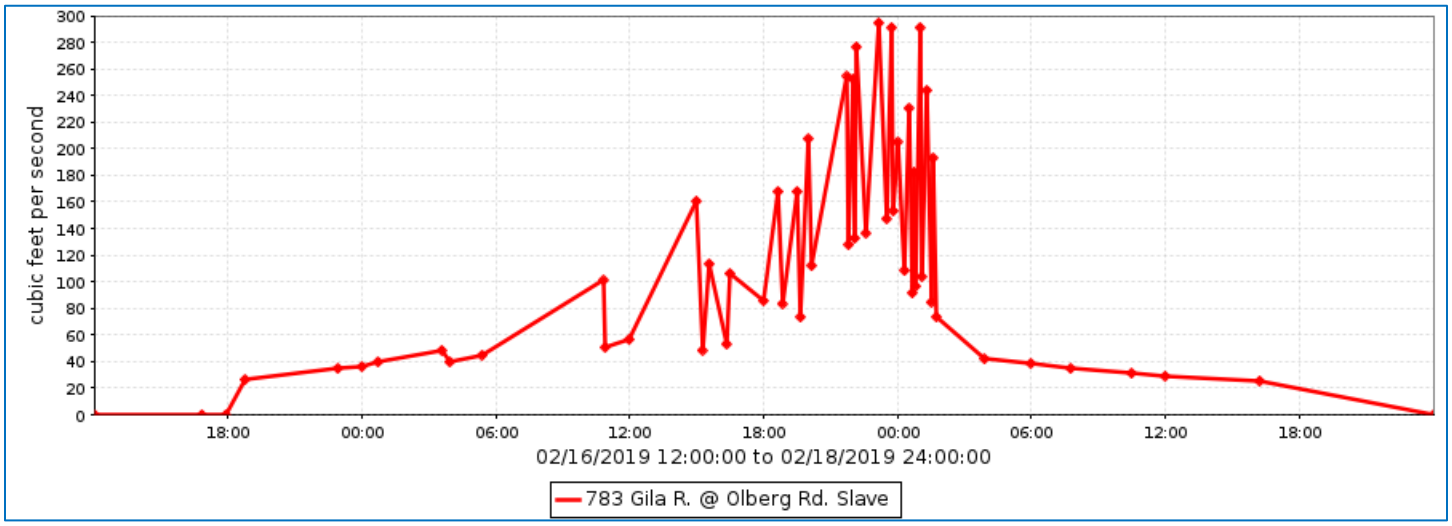




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
02/17/2019	1.30	291
02/24/2019	1.25	220

Hydrograph of peak WY 2019 flow event,



Flood Flow Frequency

Flood Flow Frequency N=25, HEC-WRC computation (based on 25 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
426	**1,460**	**2,730**	**4,520**	**7,890**	**11,400**

Gila River at Olberg Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---			
2					---				---			
3					---				---			
4					---				---			
5									---			
6									---			
7									---			
8									---			
9									---			
10									---			
11									---			
12									---			
13									---			
14									---			
15									---			
16					6				---			
17					78				---			---
18					45				---			---
19									---			
20									---			
21									---			
22									---			
23					18				---			
24					84				---			
25					25				---			
26					14				---			
27					14				---			
28									---			
29					---				---			
30					---				---			
31		---			---		---	---	---			---
TOTAL	0	0	0	0	283	0	0	0	---	0	0	0
MEAN	0	0	0	0	10	0	0	0	---	0	0	0
MAX	0	0	0	0	295	0	0	0	---	0	0	0
MIN	0	0	0	0	0	0	0	0	---	0	0	0
AC_FT	0	0	0	0	562	0	0	0	---	0	0	0

WTR YR 2019 TOTAL 283 MEAN 1 MAX 295 MIN 0 AC_FT 562

***USGS maintained a gage at this site prior to October 1, 1998 (09478350)**

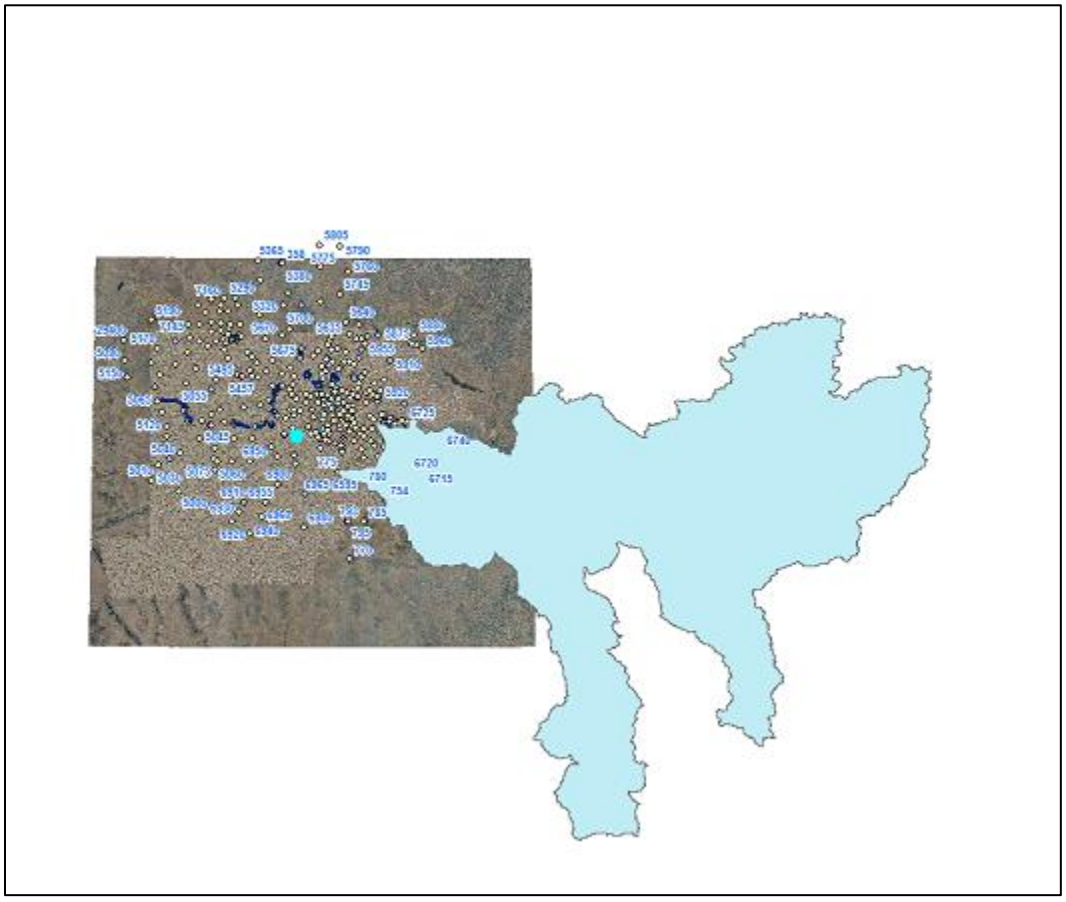
Gila River at Maricopa Road, ID #0778

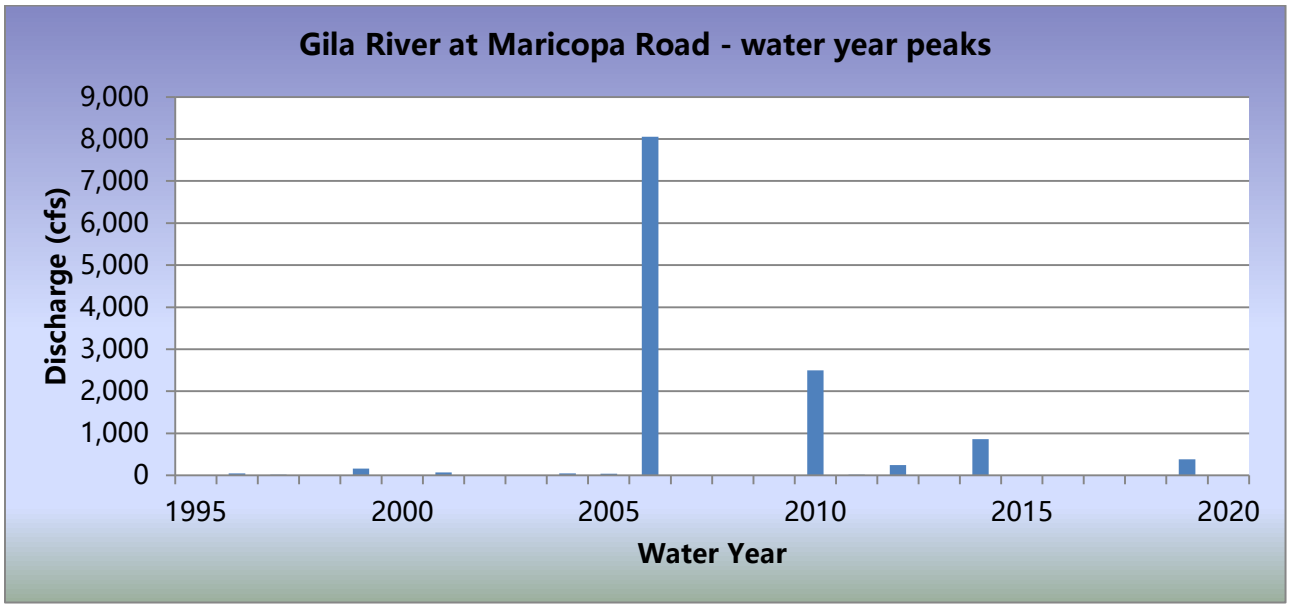


Site Data

LOCATION	On Maricopa Road (SR 347) about 5 miles north of Maricopa
DRAINAGE AREA	20,312 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Gila River Indian Community, Arizona
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S13 T3S R3E
LATITUDE	N 33° 10' 14.7" | +33.17076
LONGITUDE	W 112° 00' 21.7" | -112.00601
STREAMGAGE INSTALLATION DATE	04/09/1995 - WY 1995
AVAILABLE PERIOD OF RECORD (POR)	04/09/1995 - Current
LENGTH OF AVAILABLE POR DATA	24.48 Years | 8,941 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.36 feet Gage Height
CREST STAGE GAGES	2 (USGS maintains)
ZERO GAGE HEIGHT ELEVATION	1,115.94 feet NAVD88
POINT OF ZERO FLOW	1.7 feet Gage Height
EXTREME FOR PERIOD OF RECORD	8,051 cfs | 3.99 feet | 07/31/2006

Watershed for Gila River at Maricopa Road

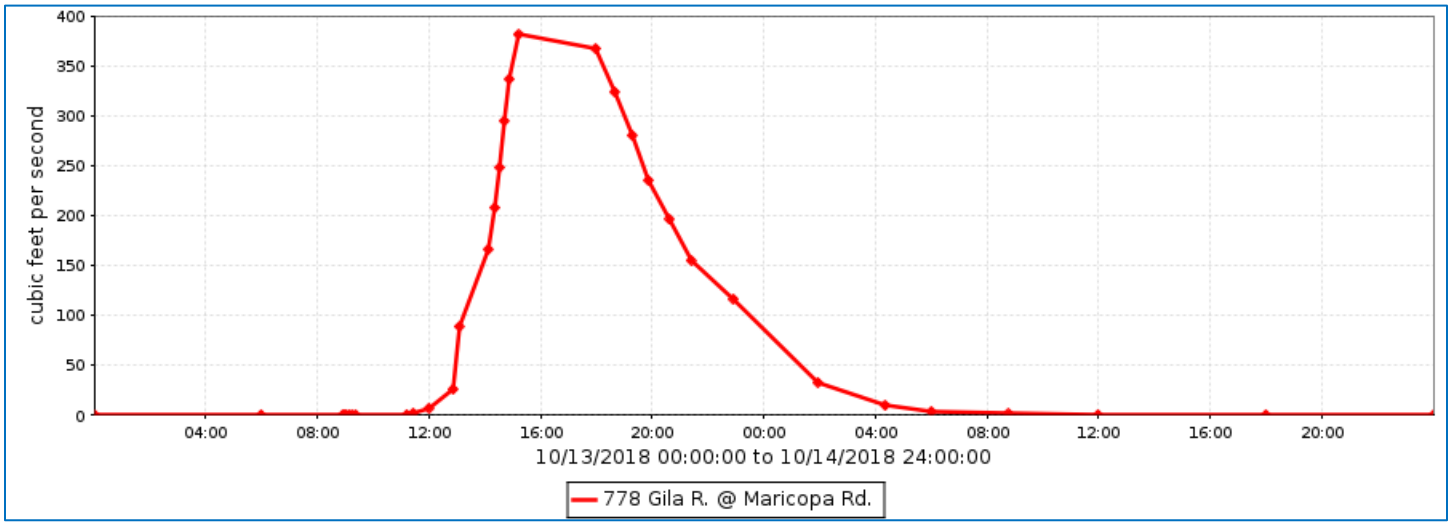




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	2.88	1,297
10/13/2018	3.33	3,119
02/22/2019	2.26	205

Hydrograph of peak WY 2019 flow event,



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Gila River at Maricopa Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	29											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	114											
14	14											
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	158	0	0	0	0	0	0	0	0	0	0	0
MEAN	5	0	0	0	0	0	0	0	0	0	0	0
MAX	381	0	0	0	1	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	313	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 158 MEAN 0 MAX 381 MIN 0 AC_FT 313

NOTE: The USGS maintains a gage at this site in cooperation with ADOT. See USGS Gage #09479350.
See ***USGS Water-Data Report AZ-16-1*** for official data for this site.

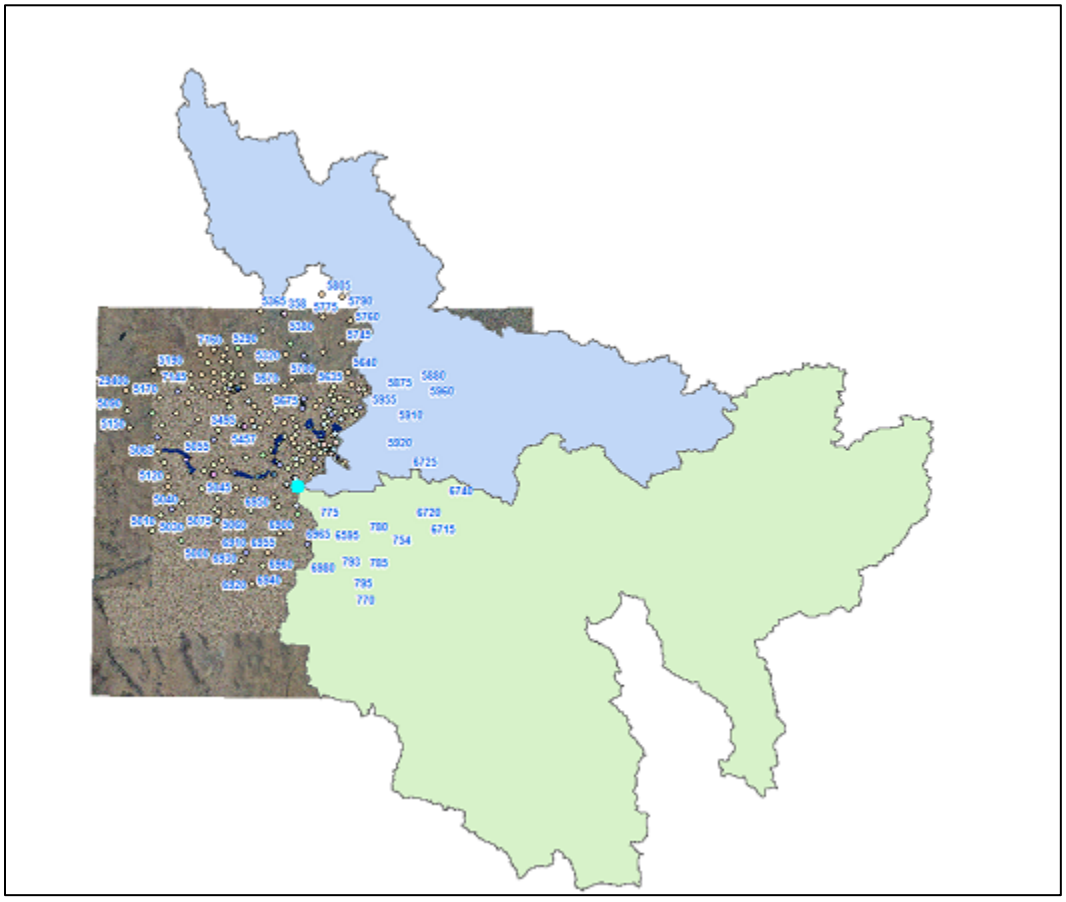
Gila River at 116th Avenue, ID #6848

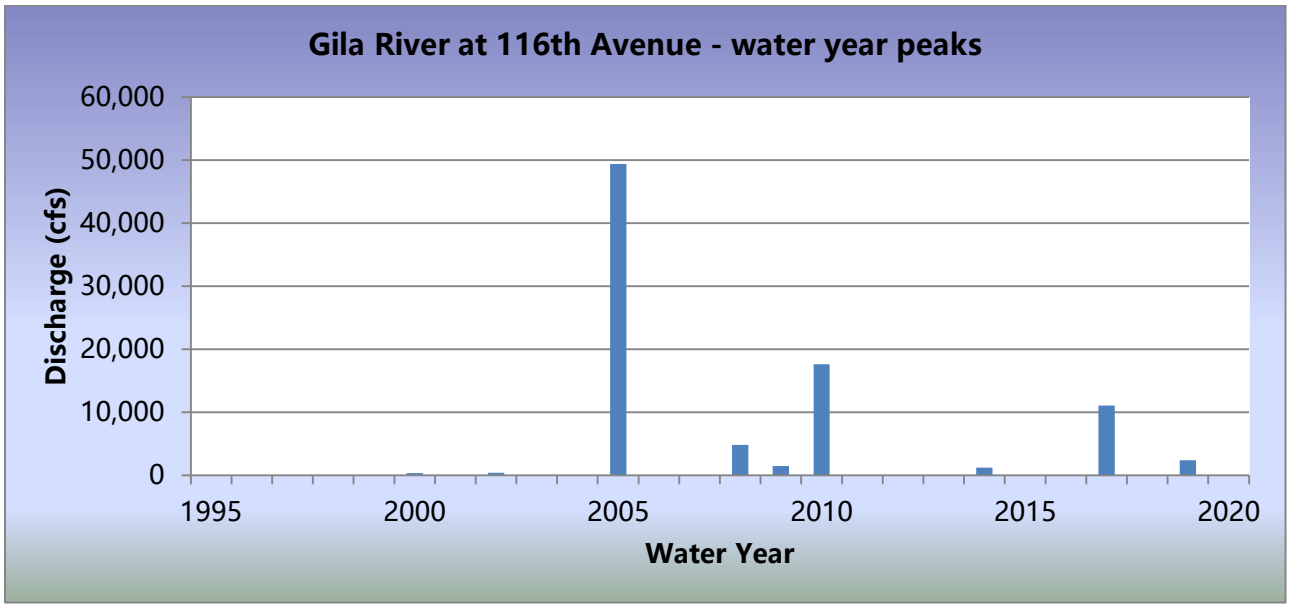


Site Data

LOCATION	Located on the Avondale Boulevard bridge crossing of the Gila River
DRAINAGE AREA	43,300 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Avondale, Arizona
WATERSHED	Lower ACDC / South Mountain
SECTION/TOWNSHIP/RANGE	S36 T1N R1W
LATITUDE	N 33° 22' 58.2" | +33.38282
LONGITUDE	W 112° 18' 29.2" | -112.30812
STREAMGAGE INSTALLATION DATE	12/16/1998 - WY 1999
AVAILABLE PERIOD OF RECORD (POR)	12/16/1998 - Current
LENGTH OF AVAILABLE POR DATA	20.79 Years | 7,594 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.15 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	929.74 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	49,394 cfs | 9.15 feet | 02/13/2005

Watershed Map

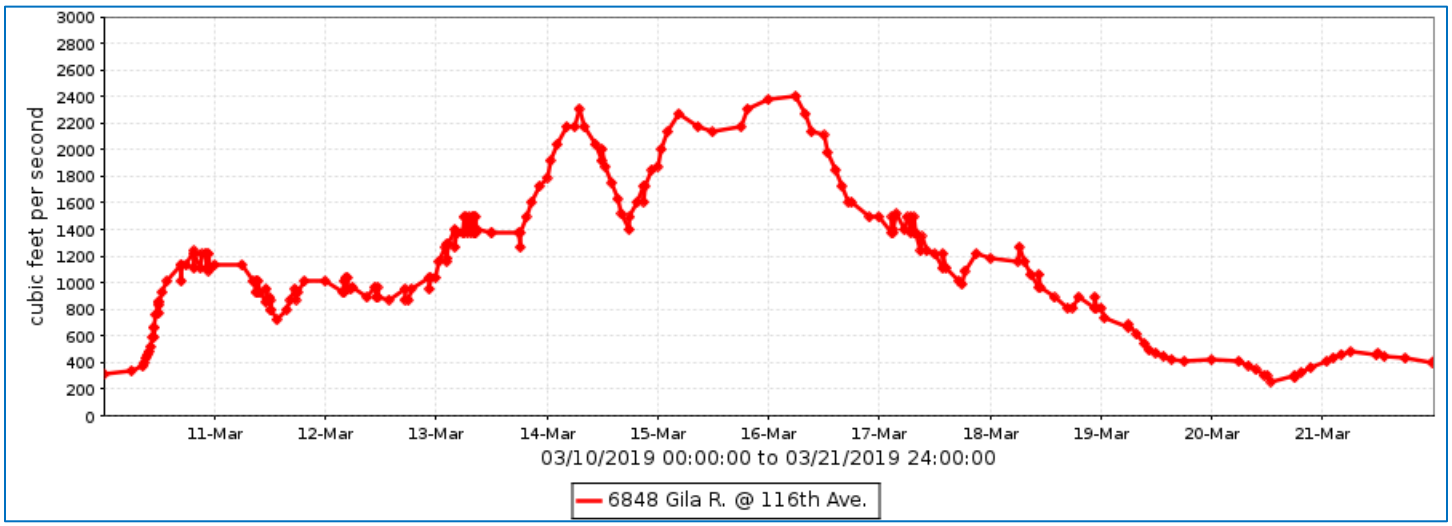




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
03/16/2019	2.82	2,403

Hydrograph of peak WY 2019 flow event, 03/16/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Gila River at 116th Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	287			322	268	200						
2	289		76	316	245	259						
3	248		295	318	289	269						
4	232		304	308	295	266						
5	221		291	315	282	439						
6	265		310	315	311	1656						
7	291		292	272	305	836						
8	275		292	293	267	356						
9	249		291	270	308	294						
10	238		292	291	296	736						
11	263		288	295	297	983			7			
12	269		290	299	280	943						
13	303		285	291	292	1400						
14	382		314	295	297	1890						
15	429		304	300	278	2180						
16	399		297	264	286	2016						
17	301		294	277	299	1282						
18	236		283	280	306	1013						
19	230		294	271	315	547						
20	187		295	287	303	346						
21	226		305	297	313	446						
22	235		283	293	317	244						
23	203		260	294	302	120						
24	230		294	276	291	182						
25	239		294	287	289	88						
26	230		299	278	275	185						
27	230		302	282	253	86						
28	238		319	286	256	121						
29	243	400	311	284	---	91						
30			304	287	---							
31		---	338	243	---		---		---			---
TOTAL	7669	400	8696	8985	8117	19474	0	0	7	0	0	0
MEAN	247	13	281	290	290	628	0	0	0	0	0	0
MAX	478	1939	362	372	355	2403	0	0	257	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	15211	794	17248	17822	16099	38625	0	0	14	0	0	0

WTR YR 2019 TOTAL 53347 MEAN 146 MAX 2403 MIN 0 AC_FT 105813

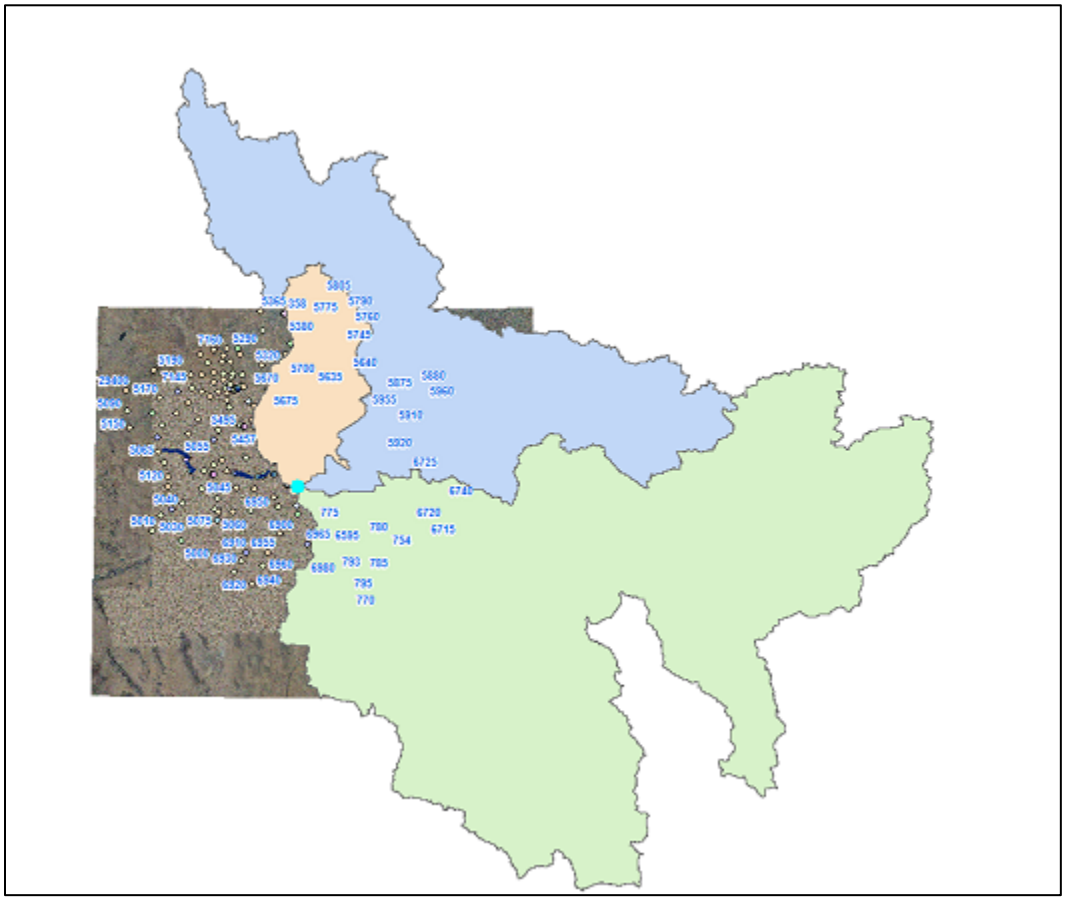
Gila River at Estrella Parkway, ID #6853

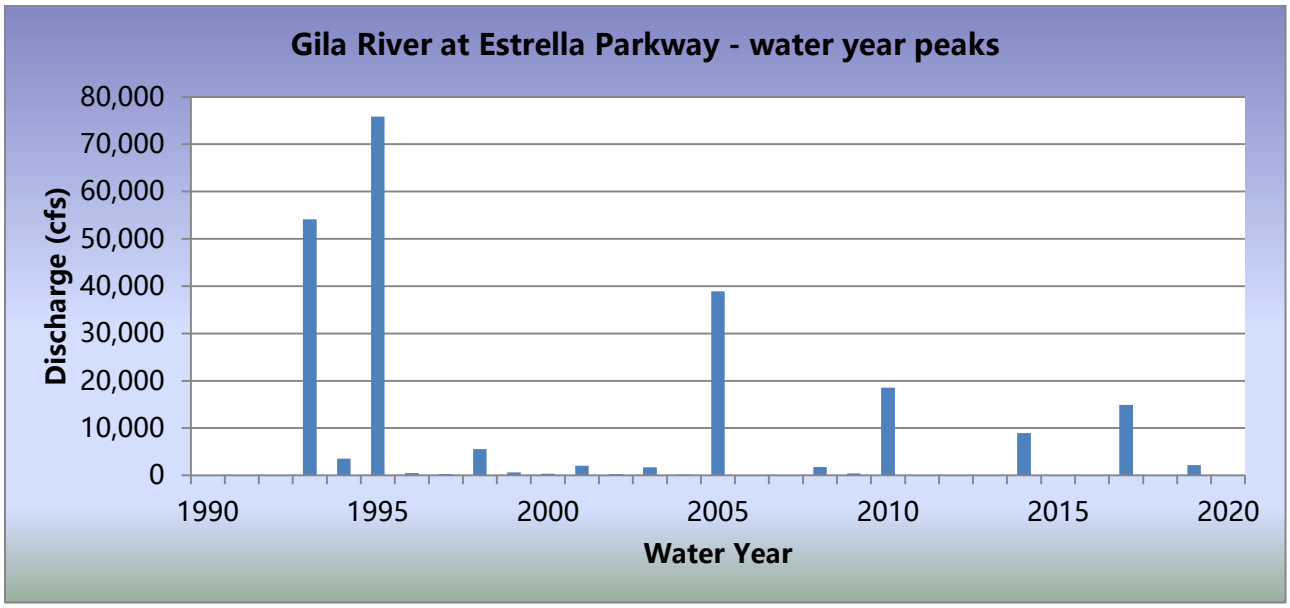


Site Data

LOCATION	Located at Estrella Parkway crossing of the Gila River
DRAINAGE AREA	45,585 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Goodyear, Arizona
WATERSHED	Waterman
SECTION/TOWNSHIP/RANGE	S31 T1N R1W
LATITUDE	N 33° 23' 20.6" | +33.38908
LONGITUDE	W 112° 23' 32.9" | -112.39248
STREAMGAGE INSTALLATION DATE	12/02/1992 - WY 1993
AVAILABLE PERIOD OF RECORD (POR)	12/02/1992 - Current
LENGTH OF AVAILABLE POR DATA	25.83 Years | 9,434 Days
DATA GAPS IN POR	01/08/1993 - 03/01/1993
STAGE GAGE ELEVATION	1.92 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	885.59 feet NAVD88
POINT OF ZERO FLOW	1.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	75,883 cfs | 16.45 feet | 02/16/1995

Watershed Map

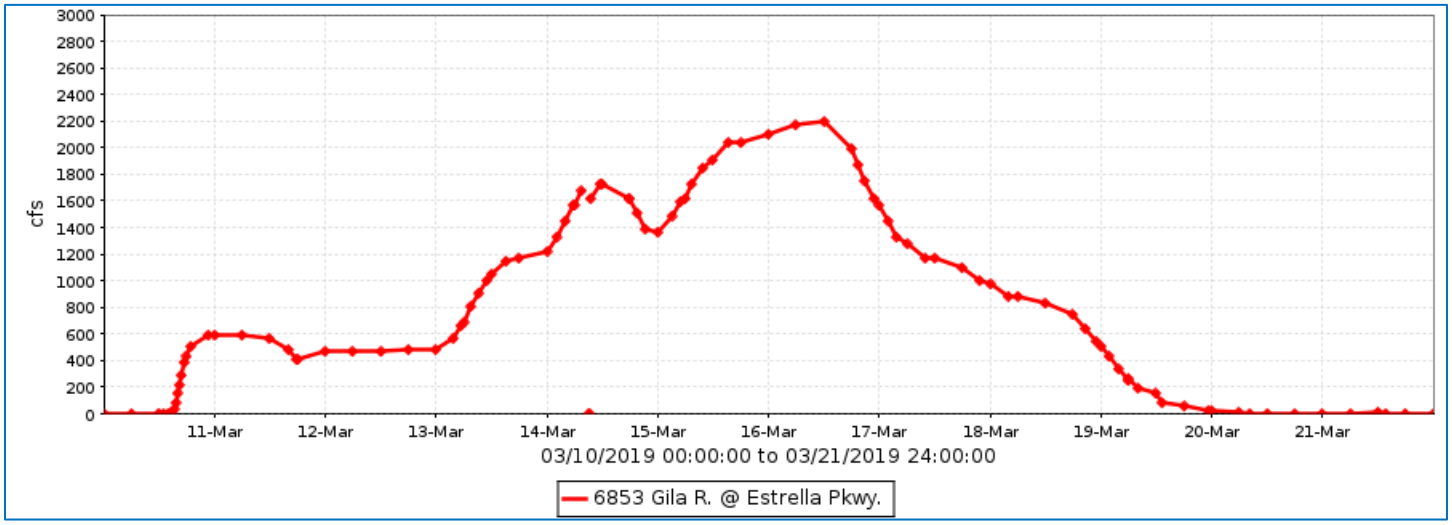




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
03/06/2019	6.56	1,450
03/16/2019	7.18	2,196

Hydrograph of peak WY 2019 flow event, 03/16/2019



Flood Flow Frequency

Flood Flow Frequency From Study of Modified Roosevelt Dam Table 2-4					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
	20,000	**50,000**	**84,000**	**170,000**	**217,000**

Gila River at Estrella Parkway, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6						1022						
7						735						
8						131						
9						1						
10						153						
11						532						
12						469						
13	12					905						
14	4					1528						
15						1798						
16						2072						
17						1227						
18						831						
19						194						
20						7						
21						2						
22						1						
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	16	0	0	0	0	11606	0	0	0	0	0	0
MEAN	1	0	0	0	0	374	0	0	0	0	0	0
MAX	68	0	0	0	0	2196	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	32	0	0	0	0	23021	0	0	0	0	0	0

WTR YR 2019 TOTAL 11622 MEAN 32 MAX 2196 MIN 0 AC_FT 23052

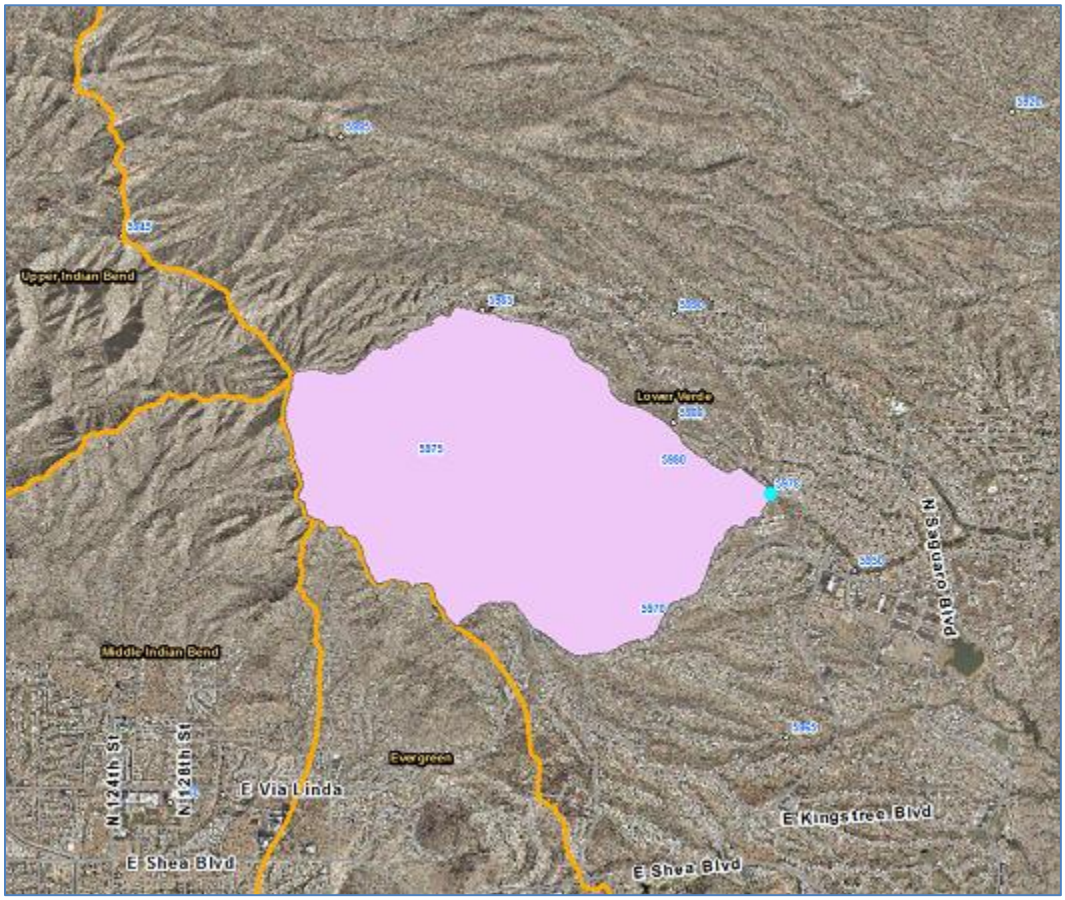
Golden Eagle Park Dam, ID #5978

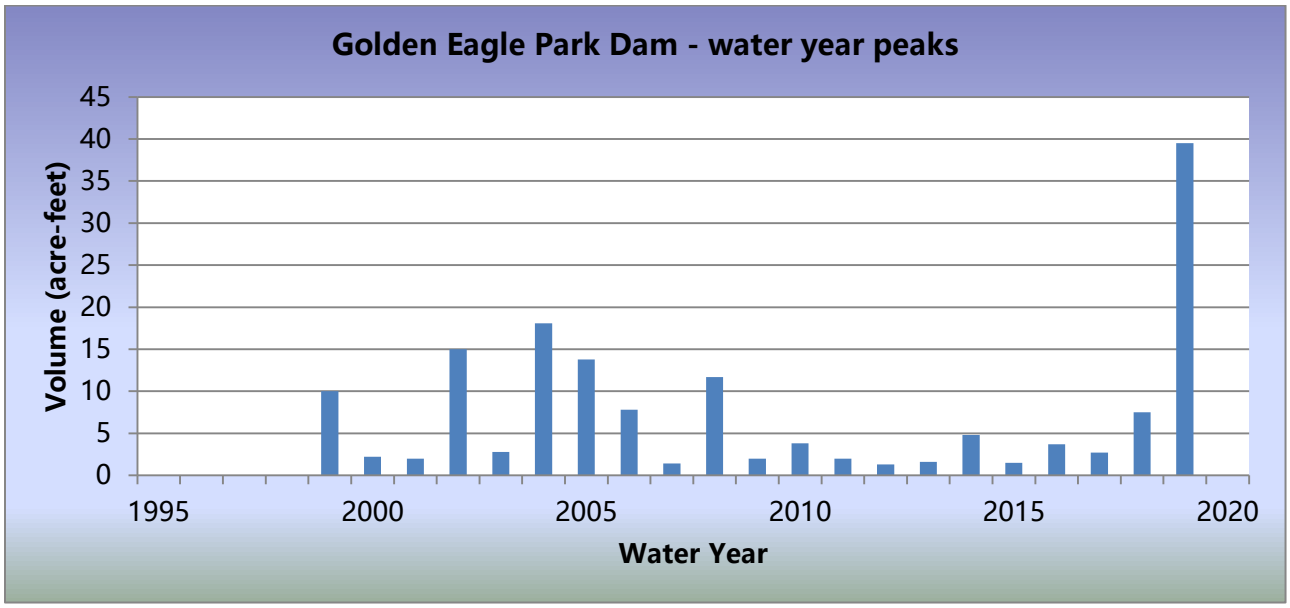


Site Data

LOCATION	In Golden Eagle Park, near Fountain Hills High School
DRAINAGE AREA	7.13 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S09 T3N R6E
LATITUDE	N 33° 37' 07.7" | +33.61880
LONGITUDE	W 111° 44' 06.2" | -111.73507
STREAMGAGE INSTALLATION DATE	12/12/1996 - WY 1997
AVAILABLE PERIOD OF RECORD (POR)	12/12/1996 - Current
LENGTH OF AVAILABLE POR	22.80 Years | 8,328 Days
DATA GAPS IN POR	05/01/2000 - 03/05/2001 (station was located on inflow wash due to construction)
STAGE GAGE ELEVATION	3.05 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,696.75 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	20.26 feet Gage Height
TOP OF DAM ELEVATION	31.9 feet Gage Height

Watershed Map

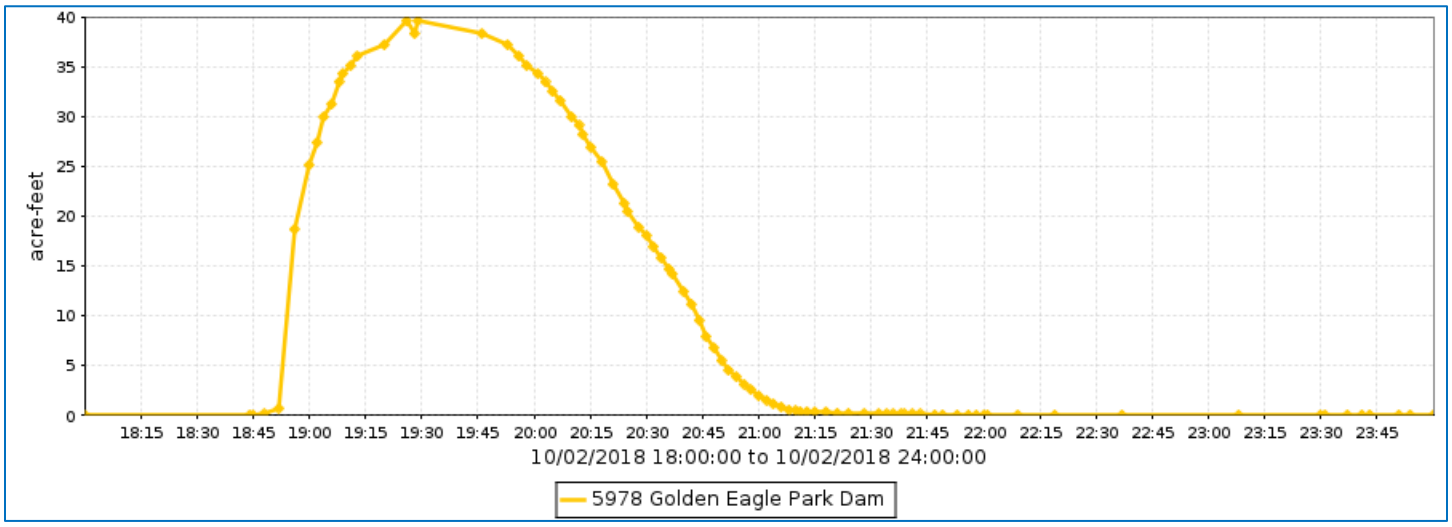




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	15.74	39.5	39.5
10/07/2018	4.11	0.0	0.0
10/13/2018	5.08	0.1	0.1
03/12/2019	3.76	0.0	0.0
09/23/2019	13.48	20.3	20.3
09/23/2019	13.02	17.6	17.6
09/23/2019	10.89	6.2	6.2

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Golden Eagle Park Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	133	50										
3	78	12										
4												
5												
6												
7	63											
8												
9												
10												
11												
12						19						
13	112											
14												
15												
16												
17												
18												
19												
20							---					
21							---					
22							---					
23												400
24												52
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	385	62	0	0	0	19	0	0	0	0	0	452
MEAN	12	2	0	0	0	1	0	0	0	0	0	15
MAX	1096	205	0	0	0	246	0	0	0	0	0	992
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	764	122	0	0	0	37	0	0	0	0	0	896

WTR YR 2019 TOTAL 917 MEAN 3 MAX 1096 MIN 0 AC_FT 1820

Golden Eagle Park Dam, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20							---					
21							---					
22							---					
23												3
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	40	0	0	0	0	0	0	0	0	0	0	20
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 40 MIN 0

Golden Eagle Park Dam, stage data

Station Number: 5978 Name: Golden Eagle Park Da

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	4.2	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
3	3.3	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
7	3.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
10	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
11	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
12	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0
13	3.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
14	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
15	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
16	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
17	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
18	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
19	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20	3.0	3.0	3.0	3.0	3.0	3.0	---	3.0	3.0	3.0	3.0	3.0
21	3.0	3.0	3.0	3.0	3.0	3.0	---	3.0	3.0	3.0	3.0	3.0
22	3.0	3.0	3.0	3.0	3.0	3.0	---	3.0	3.0	3.0	3.0	3.0
23	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.3
24	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1
25	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
26	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
27	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
28	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
29	3.0	3.0	3.0	3.0	---	3.0	3.0	3.0	3.0	3.0	3.0	3.0
30	3.0	3.0	3.0	3.0	---	3.0	3.0	3.0	3.0	3.0	3.0	3.0
31	3.0	---	3.0	3.0	---	3.0	---	3.0	---	3.0	3.0	---
MEAN	3.1	3.1	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.2
MAX	15.7	3.2	3.0	3.0	3.0	3.8	3.0	3.0	3.0	3.0	3.0	13.5
MIN	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

WTR YR 2019 MEAN 3.06 MAX 15.74 MIN 3.05

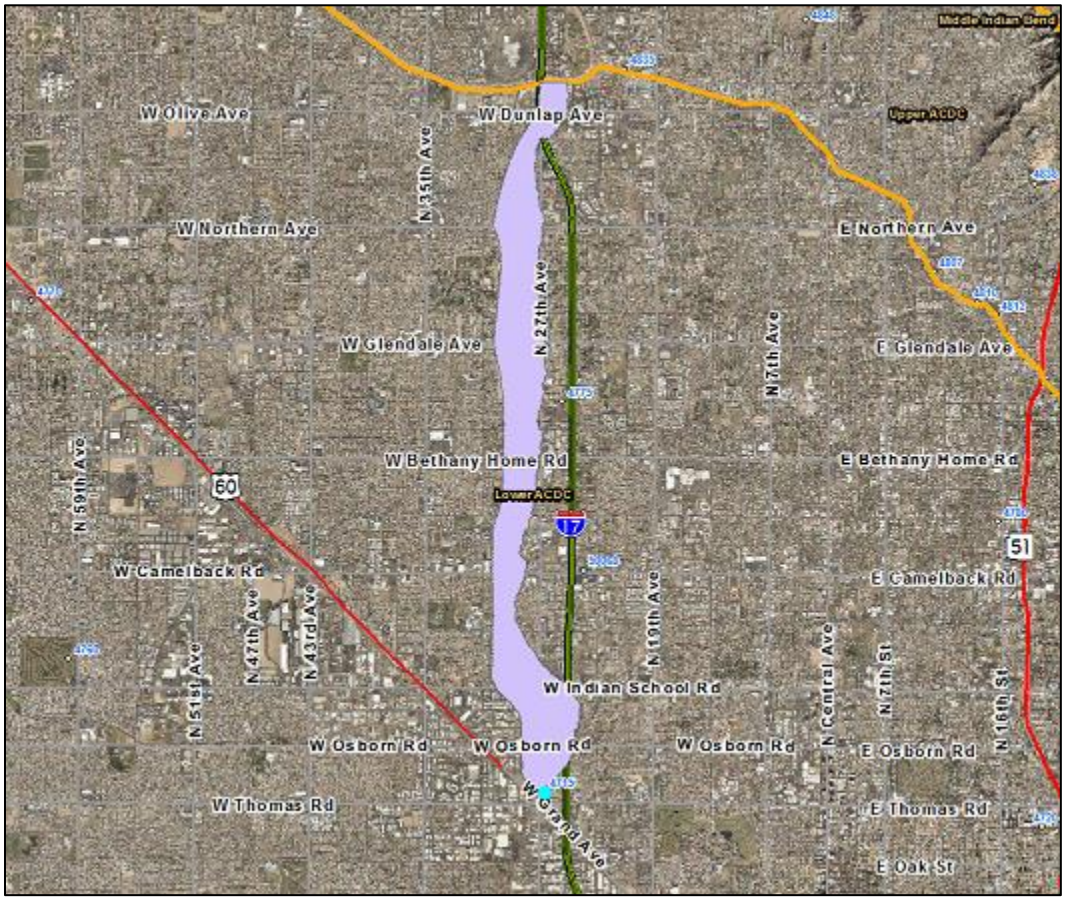
Grand Avenue at 27th Avenue Basin, ID #3807

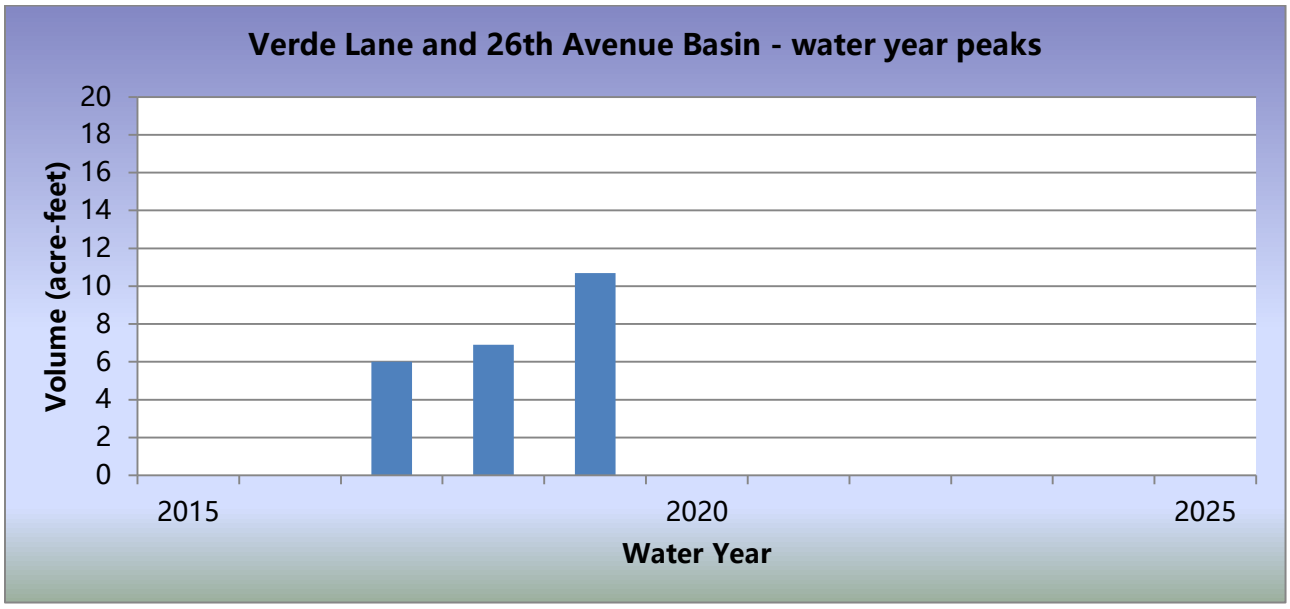


Site Data

LOCATION	Located near north and east of Thomas Road and 27th Ave
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC
SECTION/TOWNSHIP/RANGE	S25 T2N R2E
LATITUDE	N 33° 28' 54.8" | +33.48189
LONGITUDE	W 112° 06' 58.6" | -112.11627
STREAMGAGE INSTALLATION DATE	10/06/2015 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	10/06/2015 - Current
LENGTH OF AVAILABLE POR DATA	3.99 Years | 1,456 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.45 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,089.01 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	8.6 feet Gage Height

Watershed Map

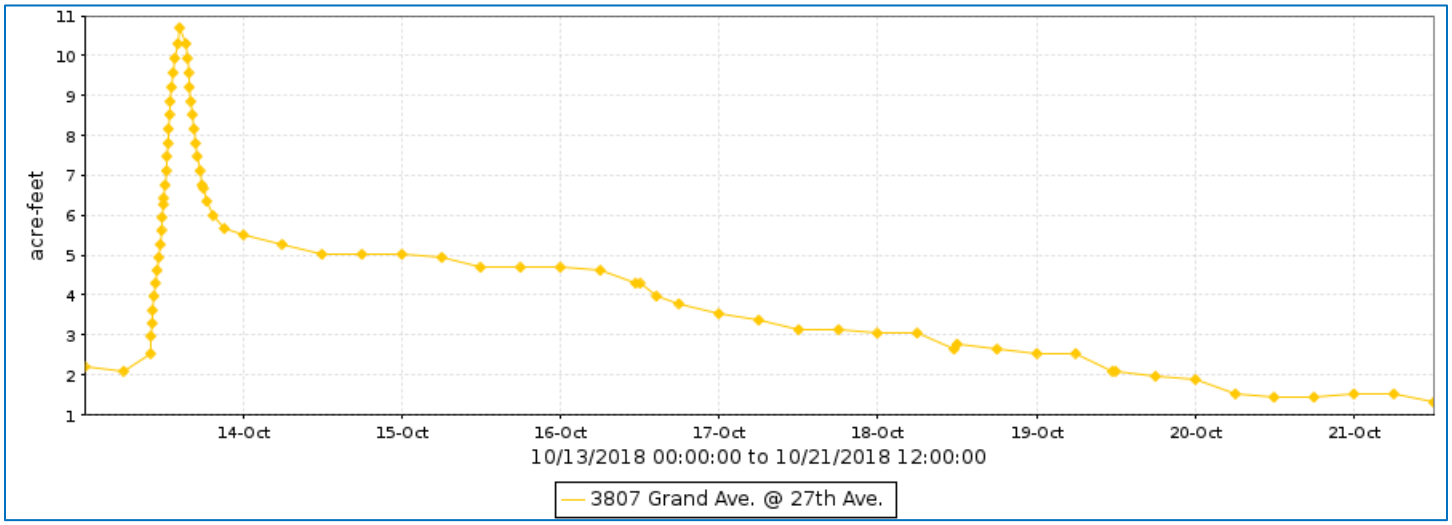




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	2.39	7.6	21.1
10/07/2018	1.82	5.6	15.6
10/13/2018	3.26	10.7	29.7
11/30/2018	1.47	4.5	12.5
01/06/2019	1.86	5.7	15.8
02/03/2019	1.35	4.1	11.4
02/14/2019	0.65	1.3	3.6
02/22/2019	2.38	7.5	20.8
03/12/2019	1.76	5.4	15.0
07/26/2019	1.68	5.1	14.2
08/03/2019	1.68	5.1	14.2
09/01/2019	1.62	4.9	13.6
09/23/2019	2.82	9.1	25.3

Hydrograph of peak WY 2019 impoundment event, 10/13/2018



Grand Avenue at 27th Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2		1									1
2	3											2
3	3				2							
4	3				2						1	
5	3											
6	2			3	2							
7	3			2	1							
8	3			1								
9	3											
10	2											
11	2											
12	1					2						
13	2					2						
14	3					2						
15	3											
16	2											
17	2											
18	2											
19												
20												
21					2							
22					4							
23					3							1
24					3							3
25					3							3
26					3					1		3
27					2							3
28					2							3
29					---							3
30		2			---							2
31		---			---		---		---			---
TOTAL	43	2	1	7	28	7	0	0	0	2	1	22
MEAN	1	0	0	0	1	0	0	0	0	0	0	1
MAX	6	3	1	3	4	3	0	0	0	3	3	5
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	85	5	3	14	56	15	0	0	0	4	2	44

WTR YR 2019 TOTAL 114 MEAN 0 MAX 6 MIN 0 AC_FT 226

Grand Avenue at 27th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4		3			2						1
2	6		2			2						3
3	6		1		3							1
4	5				3						1	
5	5				2							
6	4			5	3							
7	5			4	3							
8	5			3	2							
9	5			2	1							
10	4			1								
11	3											
12	3					4						
13	5					4						
14	5					3						
15	5					2						
16	4					2						
17	3											
18	3											
19	2											
20	2											
21	1				3							
22	1				7							
23	2				7							2
24	2				6							6
25	2				6							5
26	2				5					2		5
27	2				4					1		6
28	2				3							6
29	2				---							5
30		4			---							4
31		---			---		---		---			---
MEAN	3	0	0	0	2	1	0	0	0	0	0	1
MAX	11	4	3	6	8	5	0	0	0	5	5	9
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 1 MAX 11 MIN 0

Grand Avenue at 27th Avenue Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	0.5	1.0	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.7
2	2.0	0.5	0.8	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5	1.0
3	1.9	0.5	0.6	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.6
4	1.7	0.5	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.7	0.5
5	1.5	0.5	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5
6	1.2	0.5	0.5	1.8	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7	1.7	0.5	0.5	1.3	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5
8	1.7	0.5	0.5	1.0	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5
9	1.6	0.5	0.5	0.9	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10	1.2	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
11	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
12	0.9	0.5	0.5	0.5	0.5	1.4	0.5	0.5	0.5	0.5	0.5	0.5
13	1.6	0.5	0.5	0.5	0.5	1.4	0.5	0.5	0.5	0.5	0.5	0.5
14	1.7	0.5	0.5	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
15	1.6	0.5	0.5	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.5
16	1.4	0.5	0.5	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.5
17	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
19	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
20	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21	0.7	0.5	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5
22	0.7	0.5	0.5	0.5	2.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
23	0.7	0.5	0.5	0.5	2.1	0.5	0.5	0.5	0.5	0.5	0.5	0.9
24	0.7	0.5	0.5	0.5	2.0	0.5	0.5	0.5	0.5	0.5	0.5	2.0
25	0.7	0.5	0.5	0.5	1.9	0.5	0.5	0.5	0.5	0.5	0.5	1.7
26	0.7	0.5	0.5	0.5	1.8	0.5	0.5	0.5	0.5	1.0	0.5	1.6
27	0.7	0.5	0.5	0.5	1.4	0.5	0.5	0.5	0.5	0.6	0.5	1.8
28	0.7	0.5	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.8
29	0.7	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	1.6
30	0.5	1.2	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	1.3
31	0.5	---	0.5	0.5	---	0.5	---	0.5	---	0.5	0.5	---
MEAN	1.1	0.5	0.5	0.6	0.9	0.6	0.5	0.5	0.5	0.5	0.5	0.8
MAX	3.3	1.5	1.0	1.9	2.4	1.8	0.5	0.5	0.5	1.7	1.7	2.8
MIN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

WTR YR 2019 MEAN 0.60 MAX 3.26 MIN 0.45

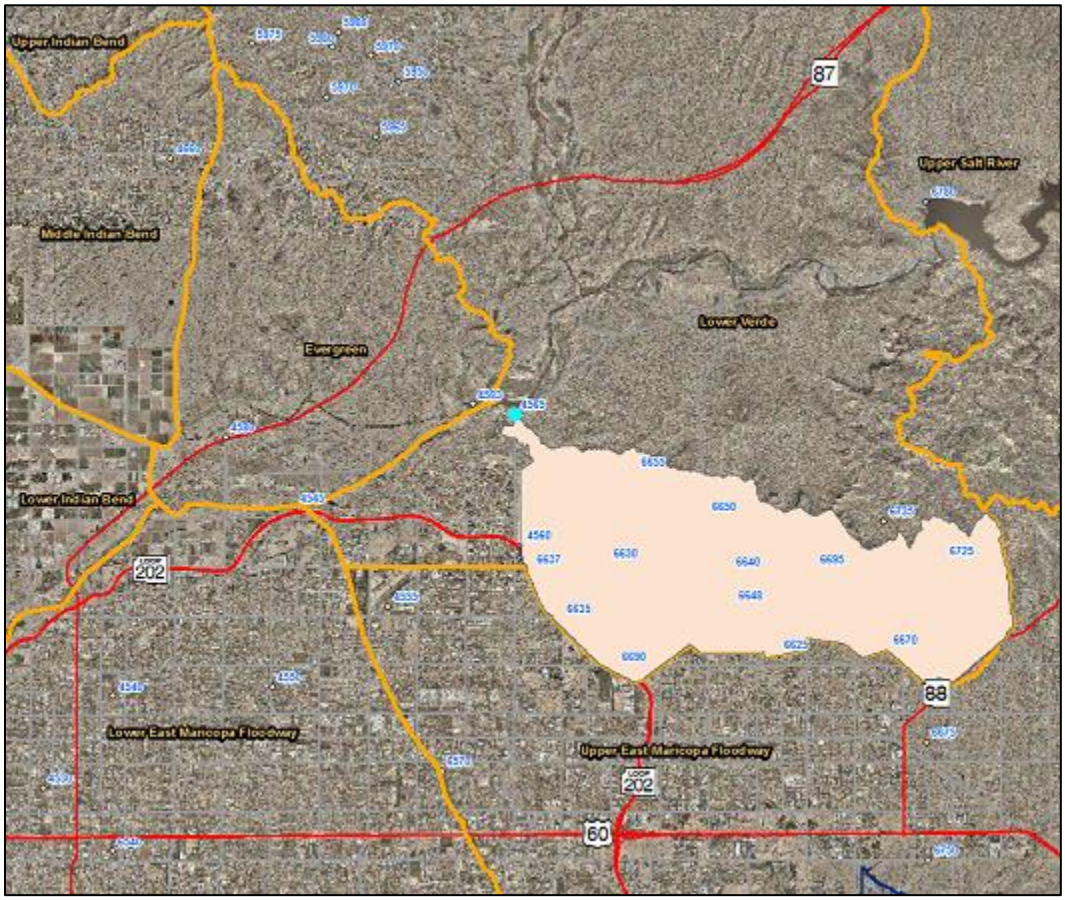
Granite Reef Diversion, ID #4568

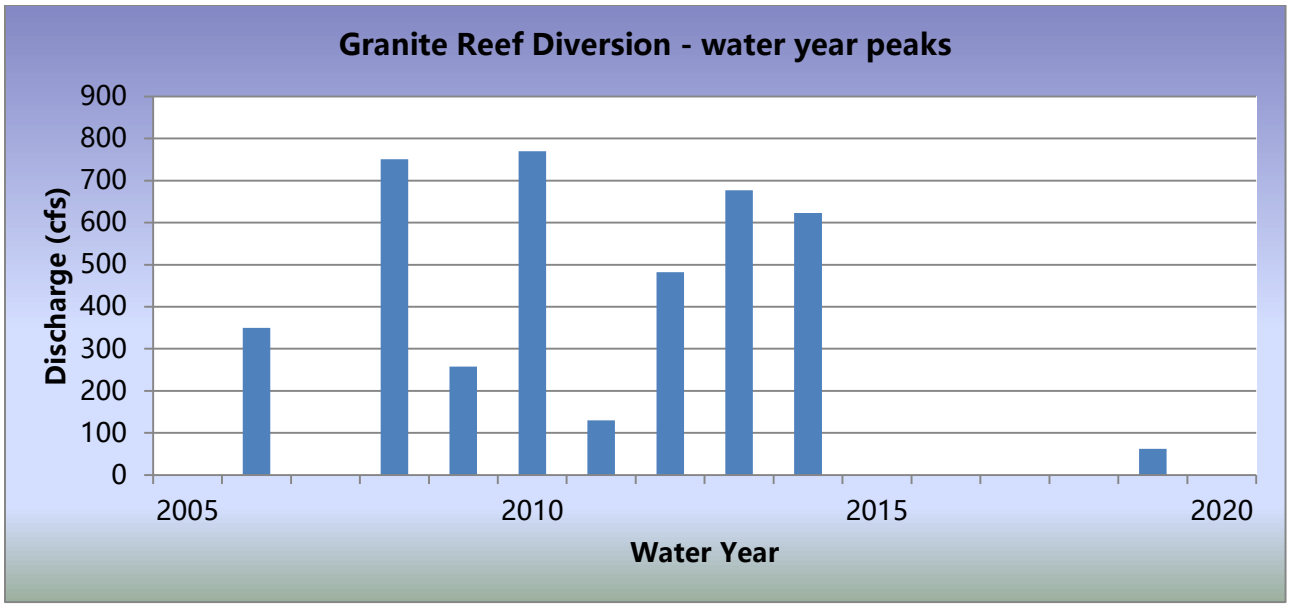


Site Data

LOCATION	Located along Bush Highway near Granite Reef Dam
DRAINAGE AREA	33.2 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S18 T2N R7E
LATITUDE	N 33° 30' 43.1" | +33.51197
LONGITUDE	W 111° 41' 01.9" | -111.68386
STREAMGAGE INSTALLATION DATE	07/21/2005 - WY 2005
AVAILABLE PERIOD OF RECORD (POR)	07/21/2005 - Current
LENGTH OF POR	14.20 Years | 5,185 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-0.25 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,336.36 feet NAVD88
POINT OF ZERO FLOW	-0.4 feet Gage Height
EXTREME FOR PERIOD OF RECORD	770 cfs | 1.78 Feet | 03/07/2010

Watershed Map

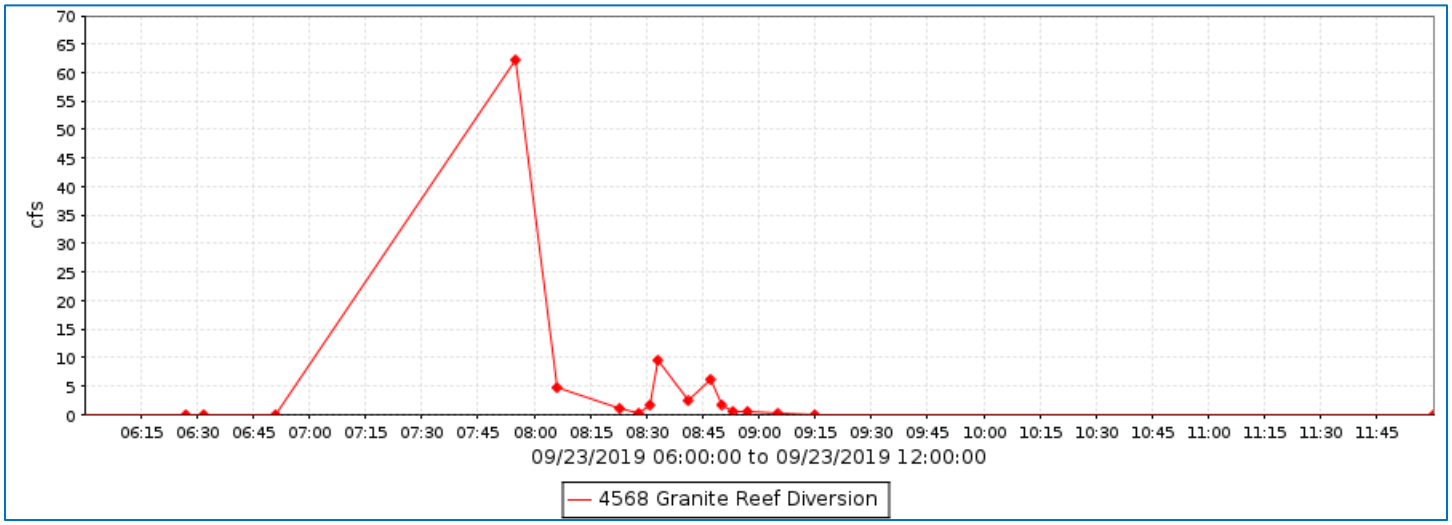




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/13/2018	0.59	2
09/23/2019	0.99	62

Hydrograph of peak WY 2019 flow event,



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Granite Reef Diversion, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												1
24												
25												1
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	2
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	2	0	0	0	2	0	0	0	0	0	0	62
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	4

WTR YR 2019 TOTAL 2 MEAN 0 MAX 62 MIN 0 AC_FT 5

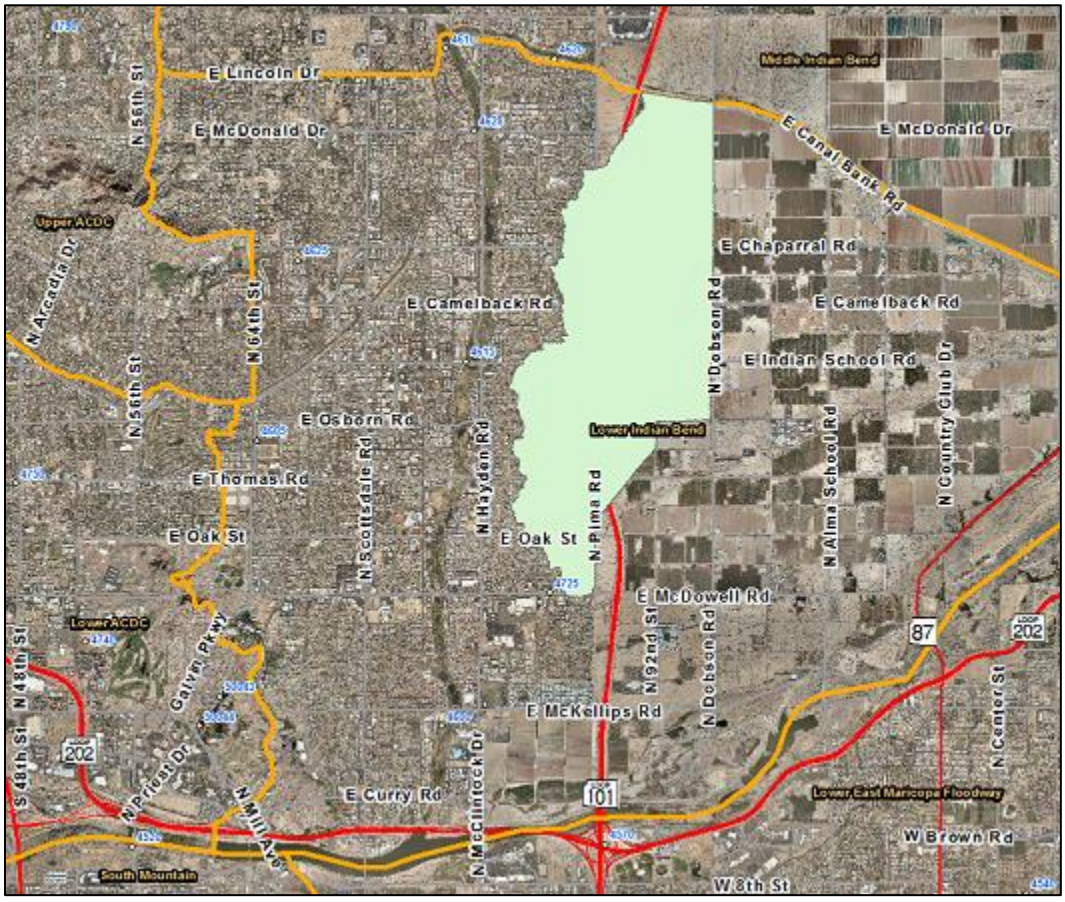
Granite Reef Wash, ID #4728

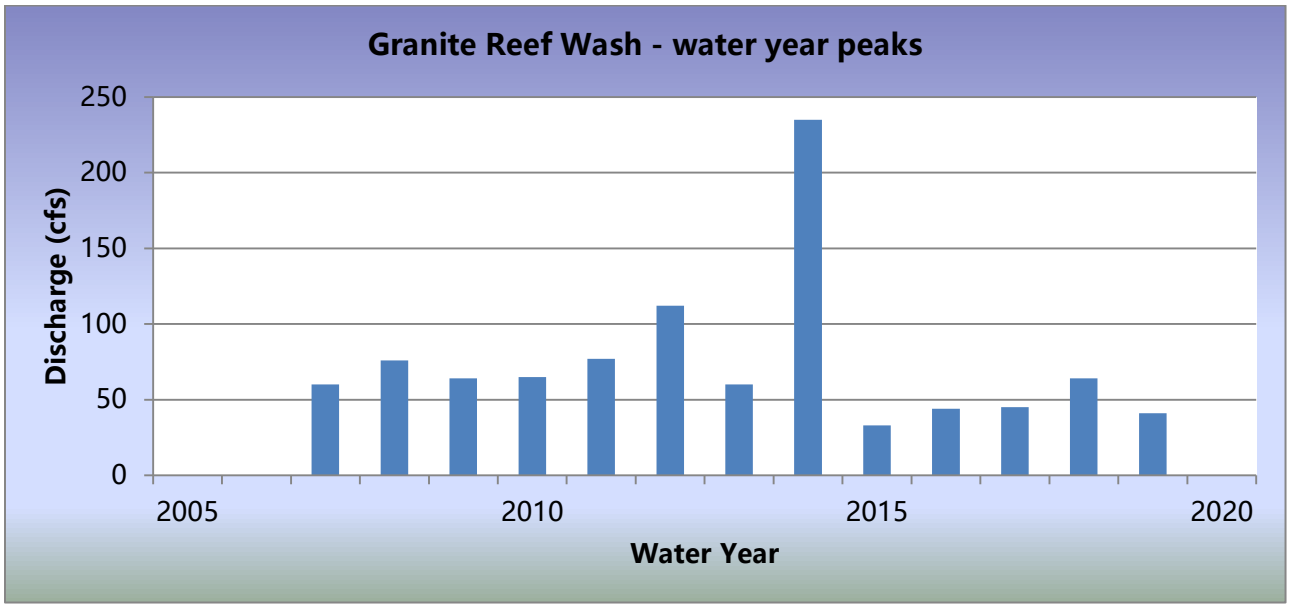


Site Data

LOCATION	On McDowell Road near Granite Reef Road
DRAINAGE AREA	7.2 mi^2
STREAM TYPE	1-Barrel Culvert
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S36 T2N R4E
LATITUDE	N 33° 27' 57.6" | +33.46599
LONGITUDE	W 111° 53' 54.9" | -111.89857
STREAMGAGE INSTALLATION DATE	06/26/2007 - WY 2007
AVAILABLE PERIOD OF RECORD (POR)	06/26/2007 - Current
LENGTH OF AVAILABLE POR DATA DATA	12.27 Years | 4,480 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.28 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,202.72 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	235 cfs | 7.76 feet | 09/08/2014

Watershed Map

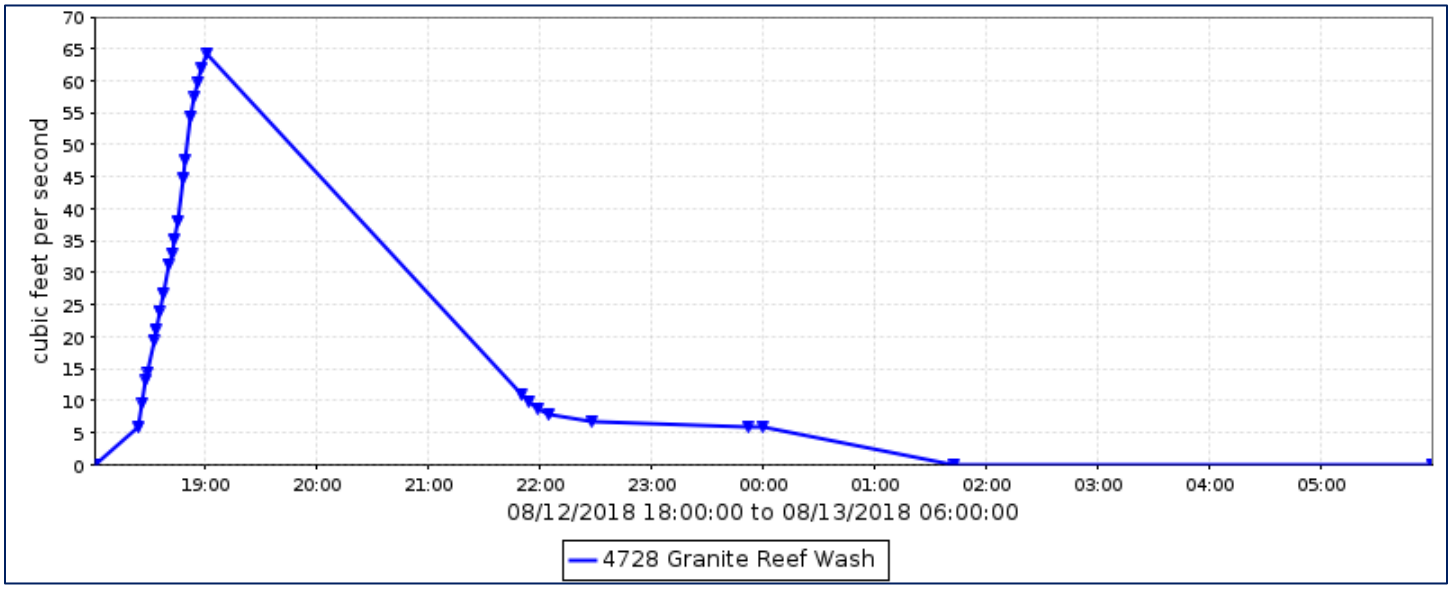




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	4.59	41
10/07/2018	2.12	11
10/13/2018	3.49	26
11/30/2018	2.17	12
01/06/2019	2.15	12
02/03/2019	1.95	10
02/21/2019	2.99	20
02/22/2019	2.77	18
03/12/2019	2.75	17
07/24/2019	2.12	11
07/30/2019	2.52	15
08/03/2019	2.02	10
08/28/2019	2.45	14
09/16/2019	1.95	10
09/22/2019	3.97	32
09/23/2019	2.05	11
09/26/2019	2.00	10

Hydrograph of peak WY 2019 flow event, 08/12/2018



Flood Flow Frequency

Flood Flow Frequency N=13, HEC-WRC computation (based on 13 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
61	**97**	**126**	**157**	**203**	**243**

NOTE(1): These results are based on very limited data.

Granite Reef Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3											
2	9											
3					5							
4											2	
5												
6				3								
7	3											
8												
9												
10		1										
11												
12						2						
13	7											
14												
15												
16												1
17												
18												
19												
20												
21					6							
22					6							3
23												4
24										3		
25												
26												3
27												
28											1	
29					---						1	
30		2			---					2		
31		---			---		---		---	6		---
TOTAL	21	3	0	3	17	2	0	0	0	10	5	11
MEAN	1	0	0	0	1	0	0	0	0	0	0	0
MAX	41	12	0	12	20	17	0	0	0	15	14	32
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	42	6	0	6	34	3	0	0	0	21	9	22

WTR YR 2019 TOTAL 72 MEAN 0 MAX 41 MIN 0 AC_FT 143

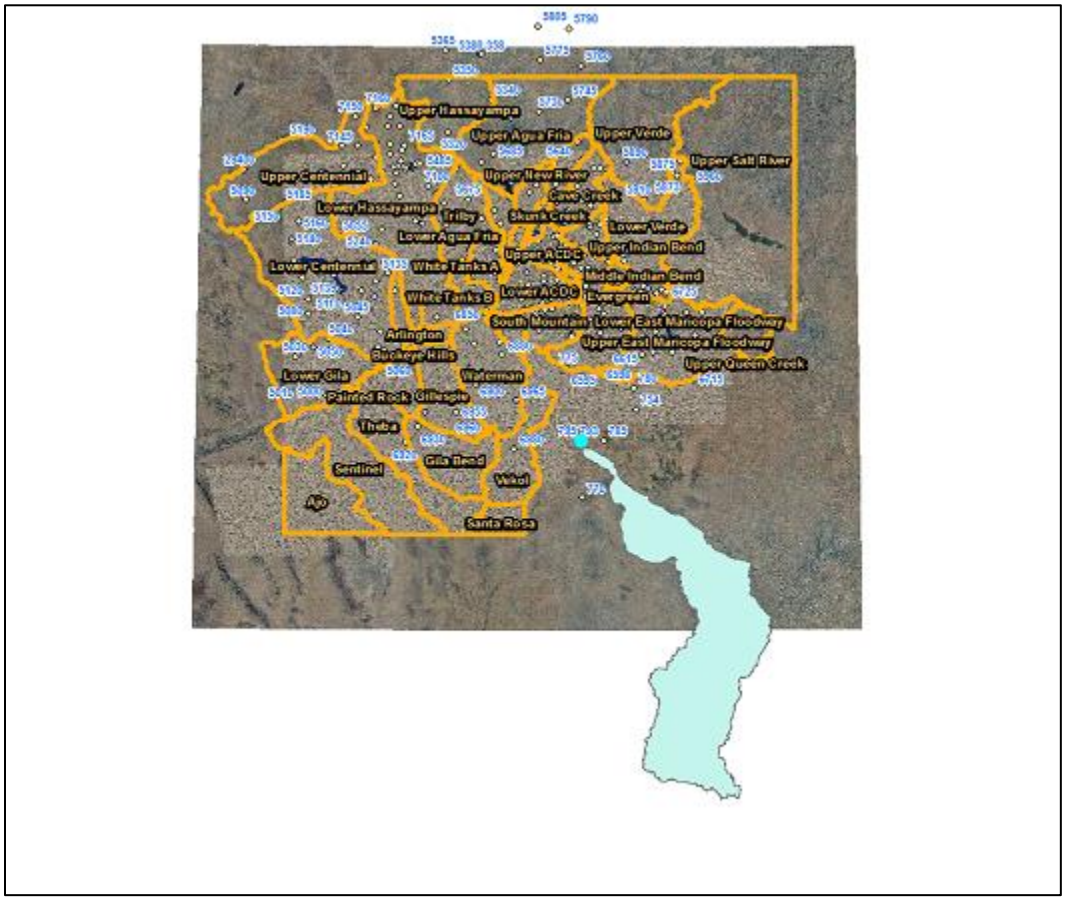
Greene Wash at SR84 – ID #0793

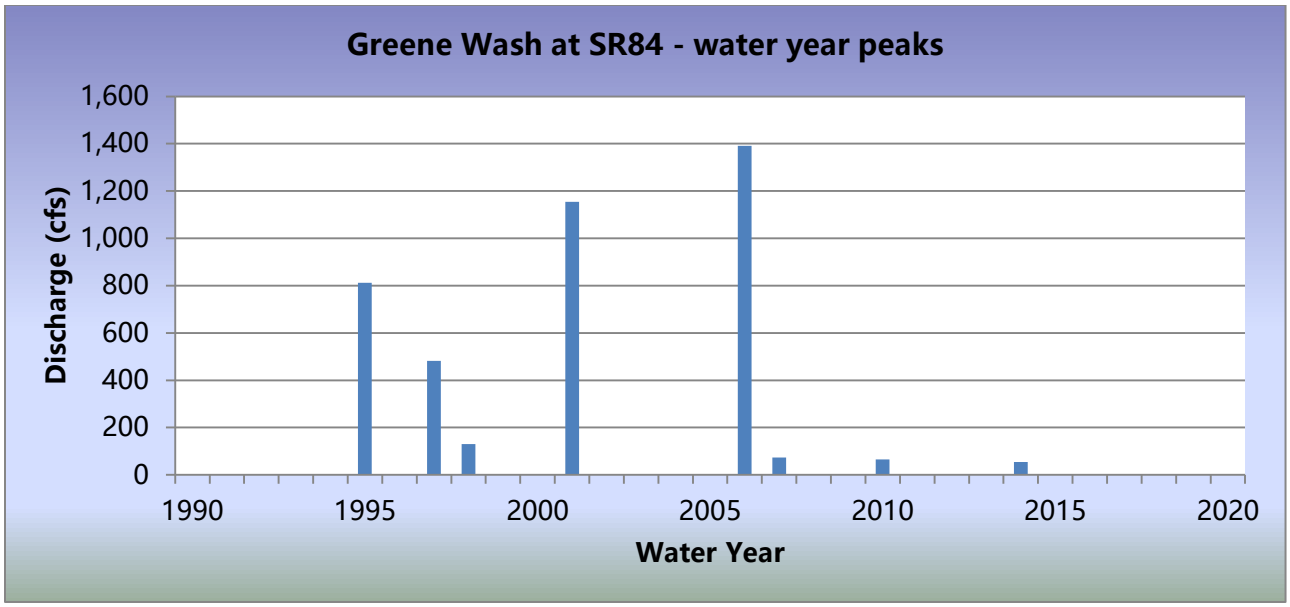


Site Data

LOCATION	On SR 84 between Stanfield and Casa Grande
DRAINAGE AREA	1,729 mi2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Pinal County, Arizona
WATERSHED	Santa Rosa
SECTION/TOWNSHIP/RANGE	S21 T6S R4E
LATITUDE	N 32° 52' 46.1" | +32.87948
LONGITUDE	W 111° 56' 01.3" | -111.93369
STREAMGAGE INSTALLATION DATE	03/23/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	03/23/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.52 Years | 9,323 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	1,295.26 feet NAVD88
EXTREME FOR PERIOD OF RECORD	1,391 cfs | 3.67 feet GH | 08/02/2006

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
No runoff recorded		

Hydrograph of peak WY 2019 flow event,

There were no runoff events in Water Year 2019.

Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Greene Wash at SR84, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4				---								
5				---								
6				---								
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

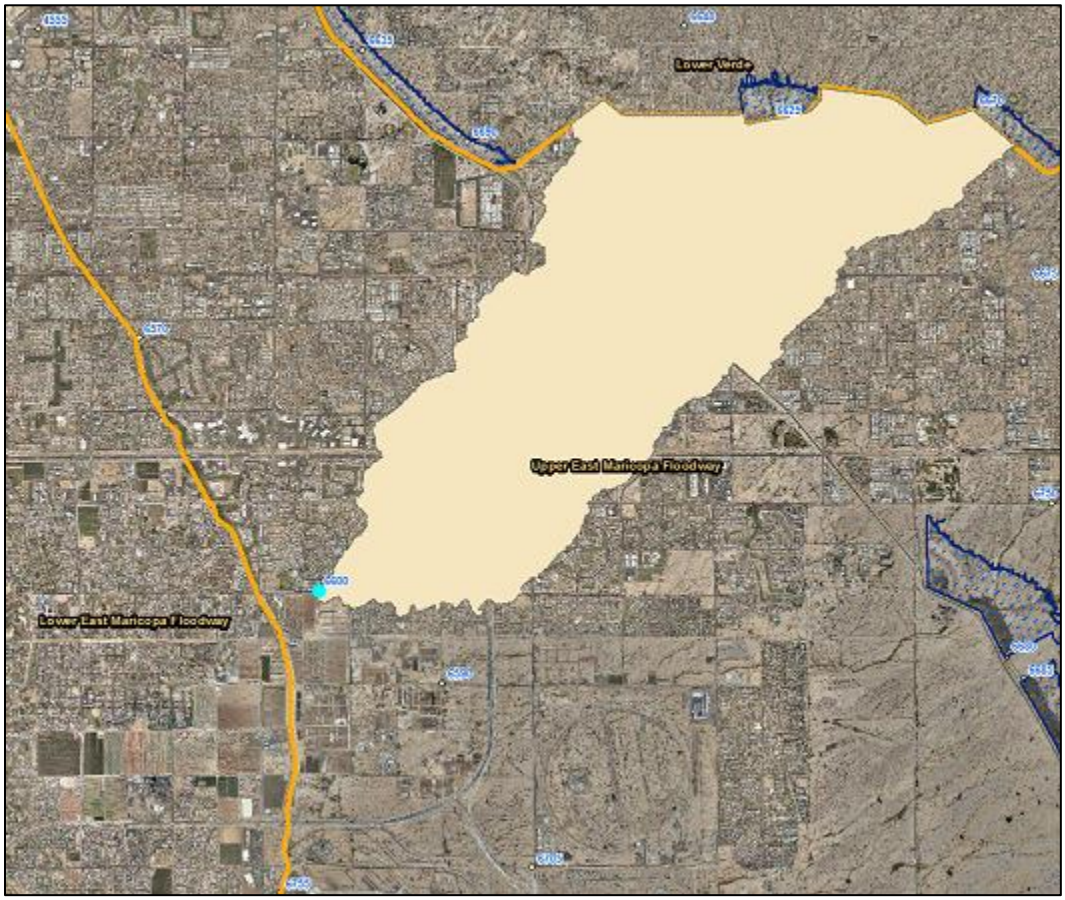
Guadalupe Road Channel, ID #6603

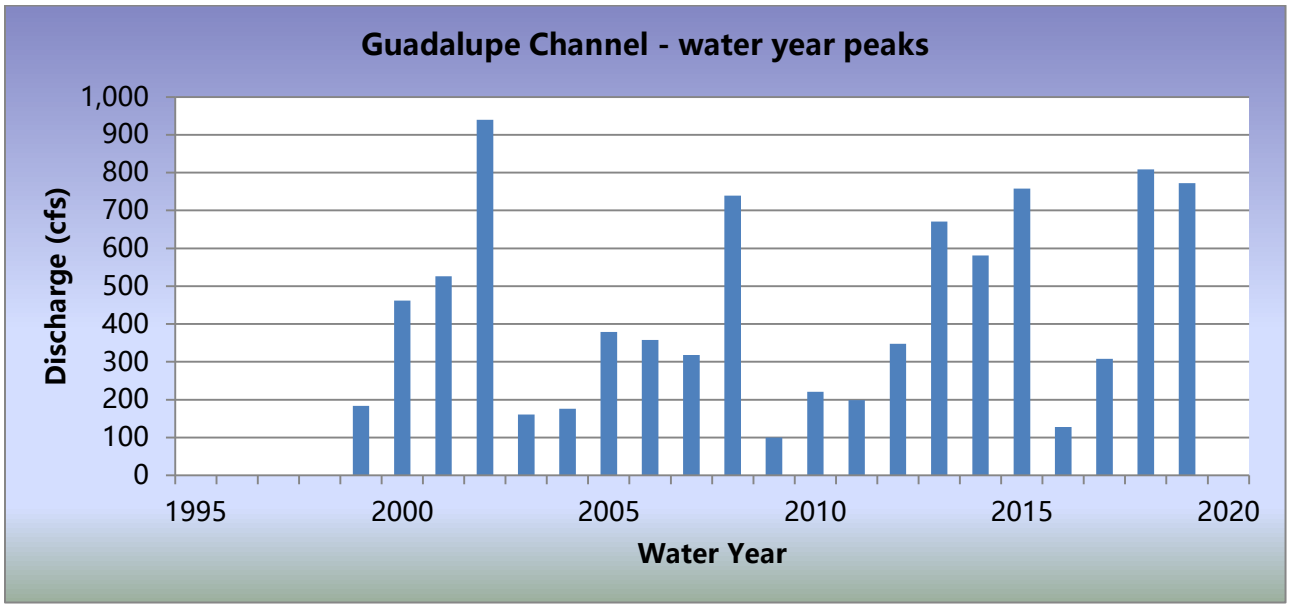


Site Data

LOCATION	On Guadalupe Road between Power and Sossaman Roads
DRAINAGE AREA	18.6 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Mesa, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S06 T1S R7E
LATITUDE	N 33° 21' 54.8" | +33.36523
LONGITUDE	W 111° 40' 34.4" | -111.67621
STREAMGAGE INSTALLATION DATE	08/07/1998 - WY 1998
AVAILABLE PERIOD OF RECORD (POR)	08/07/1998 - Current
LENGTH OF AVAILABLE POR DATA	21.15 Years | 7,725 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,345.33 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	940 cfs | 2.88 feet | 07/23/2002

Watershed Map

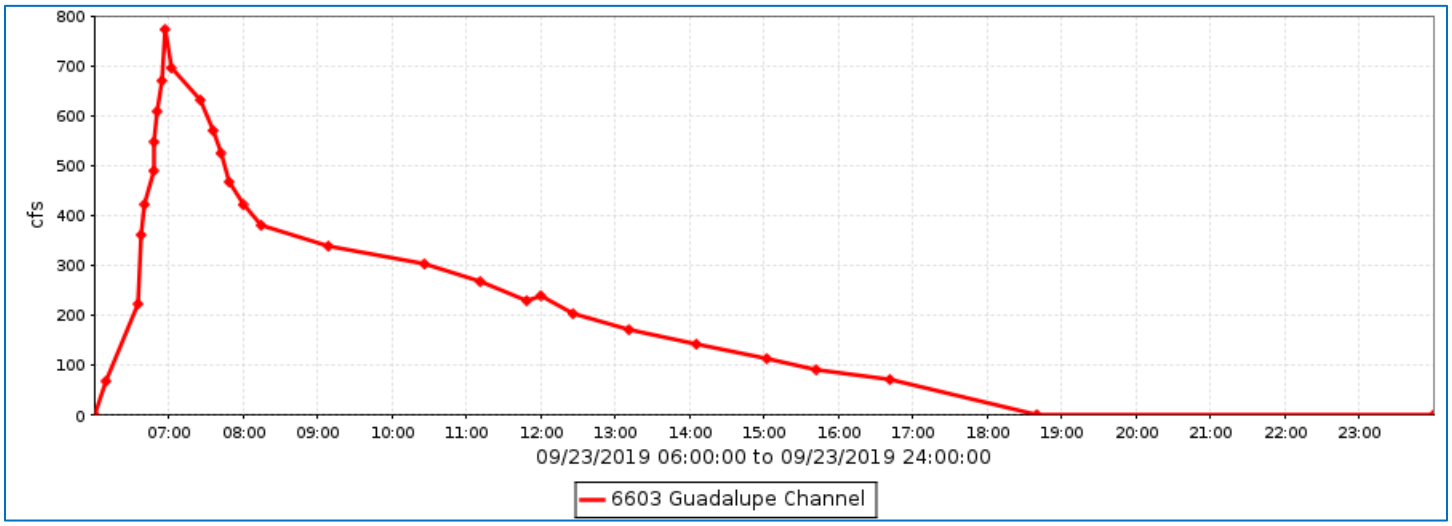




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/13/2018	0.81	103
02/21/2019	0.91	134
09/23/2019	2.49	772

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=22, HEC-WRC computation (based on 22 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
352	**615**	**813**	**1,020**	**1,300**	**1,520**

NOTE(1): These results are based on very limited data.

Guadalupe Road Channel, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	6											
14												
15												
16											---	
17											---	
18											---	
19											---	
20												
21					24							
22					12							
23												125
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	6	0	0	0	35	0	0	0	0	0	0	125
MEAN	0	0	0	0	1	0	0	0	0	0	0	4
MAX	103	0	0	0	134	0	0	0	0	0	0	772
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	13	0	0	0	70	0	0	0	0	0	0	249

WTR YR 2019 TOTAL 167 MEAN 0 MAX 772 MIN 0 AC_FT 332

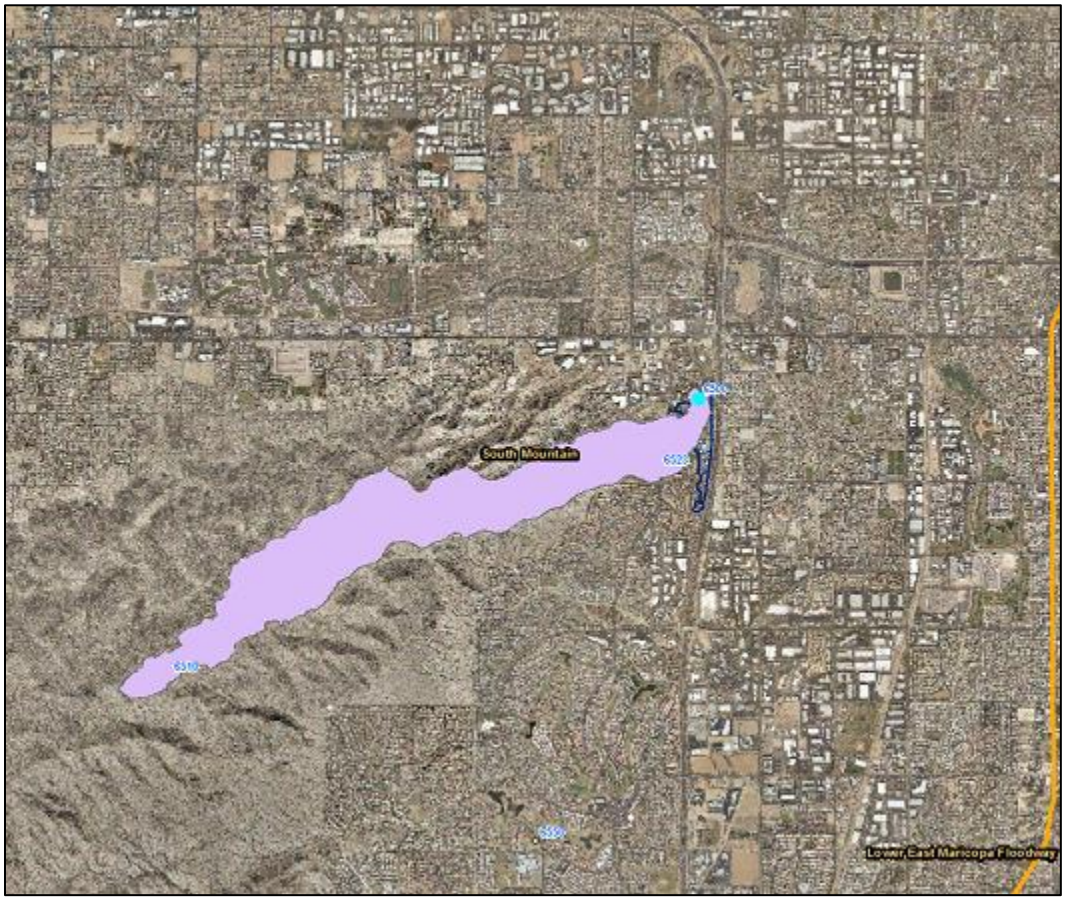
Guadalupe FRS, ID #6503

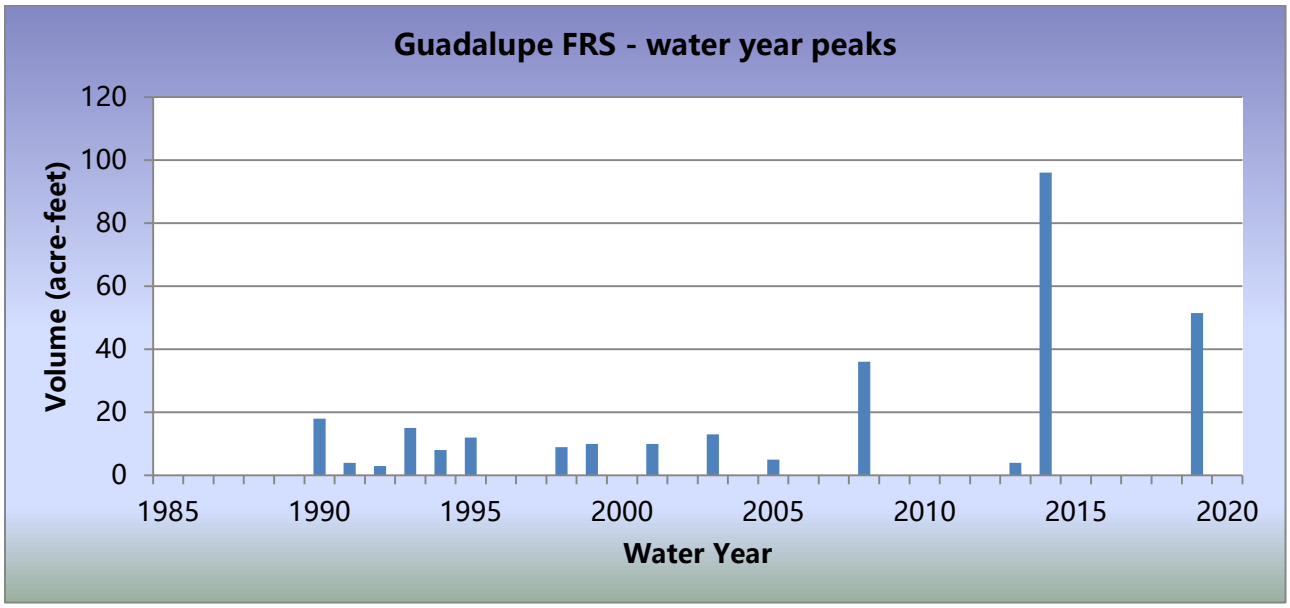


Site Data

LOCATION	Located west of I-10 and south of Baseline Road
DRAINAGE AREA	1.87 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S05 T1S R4E
LATITUDE	N 33° 22' 19.0" | +33.37194
LONGITUDE	W 111° 58' 13.7" | -111.97047
STREAMGAGE INSTALLATION DATE	06/29/1989 - WY 1989
AVAILABLE PERIOD OF RECORD (POR)	06/29/1989 - Current
LENGTH OF AVAILABLE POR DATA	30.26 Years | 10,686 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.26 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,251.38 feet NAVD88
PZF (CONTROLLED OUTLET)	0.64 feet Gage Height
PZF (UNCONTROLLED OUTLET)	9.64 feet Gage Height
SPILLWAY ELEVATION	24.64 feet Gage Height
TOP OF DAM ELEVATION	32.14 feet Gage Height

Watershed Map

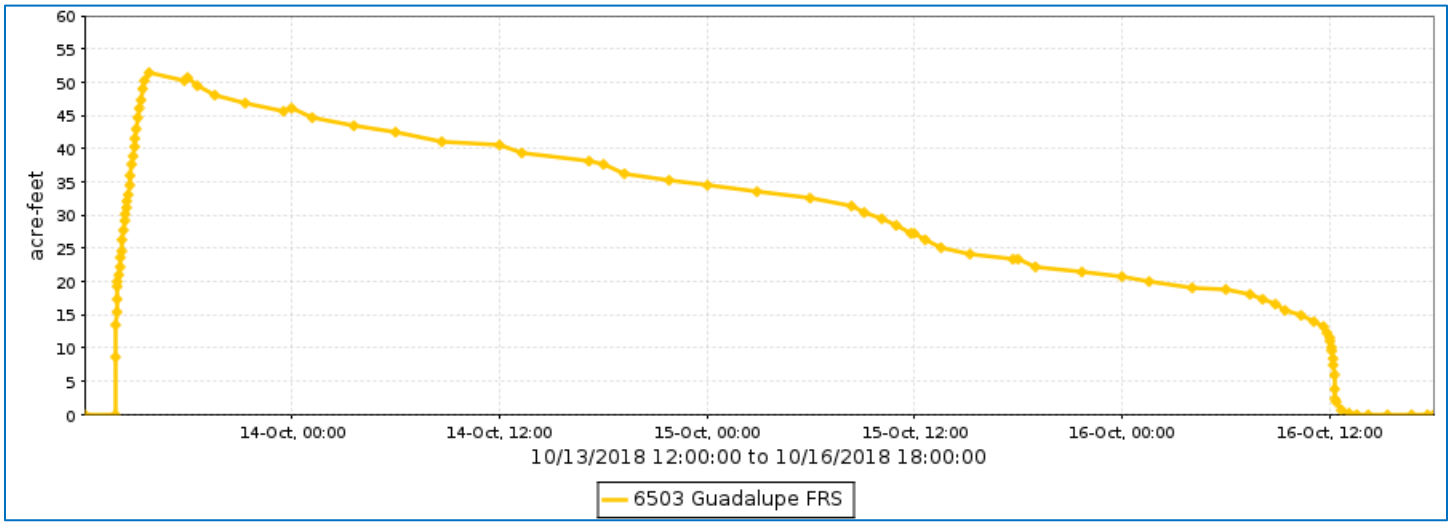




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	8.37	34.2	12.1
10/13/2018	10.37	51.5	18.3

Hydrograph of peak WY 2019 impoundment event, 10/13/2018



Guadalupe FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	6	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 1 MEAN 0 MAX 6 MIN 0 AC_FT 2

Guadalupe FRS, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	19											
3	21											
4	4											
5												
6												
7												
8												
9												
10												
11												
12												
13	20											
14	40											
15	28											
16	9											
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	5	0	0	0	0	0	0	0	0	0	0	0
MAX	52	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 52 MIN 0

Guadalupe FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	4.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	6.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	1.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	4.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	9.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	7.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	3.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	1.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	10.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

WTR YR 2019 MEAN 0.36 MAX 10.37 MIN 0.26

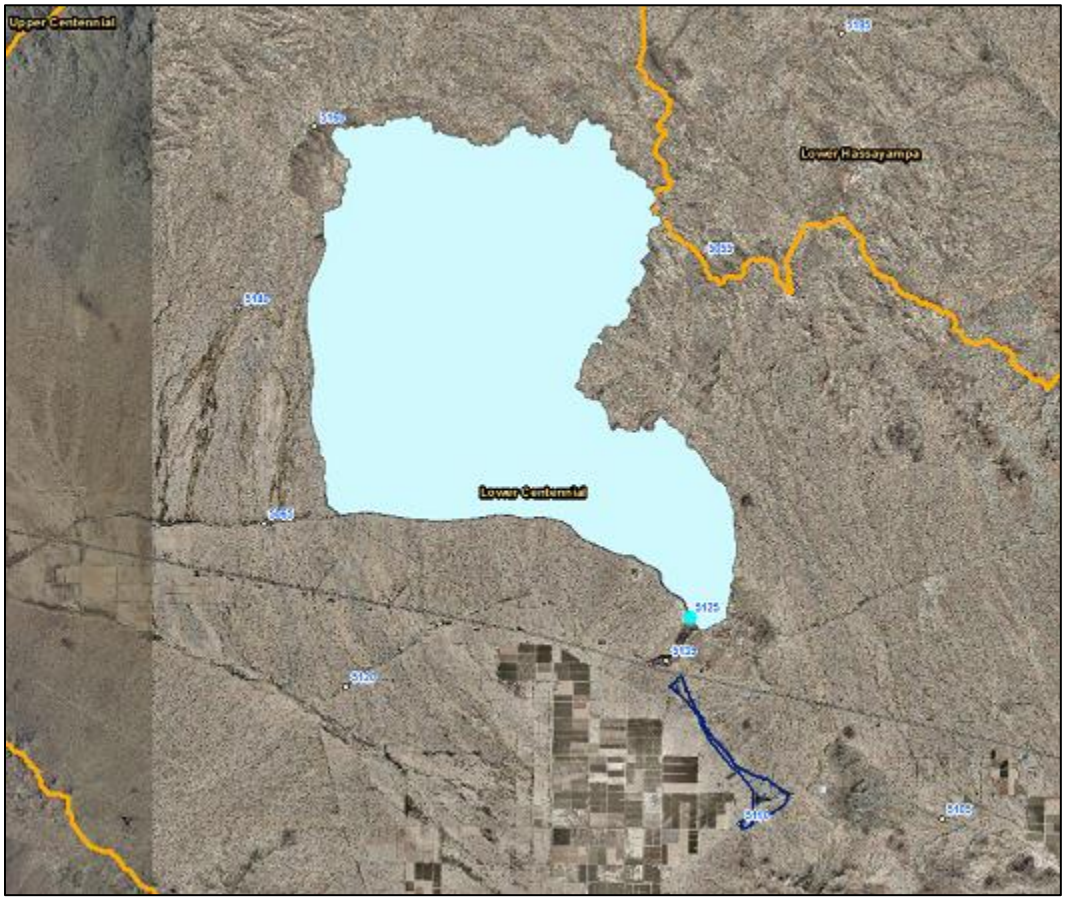
Harquahala FRS, ID #5128

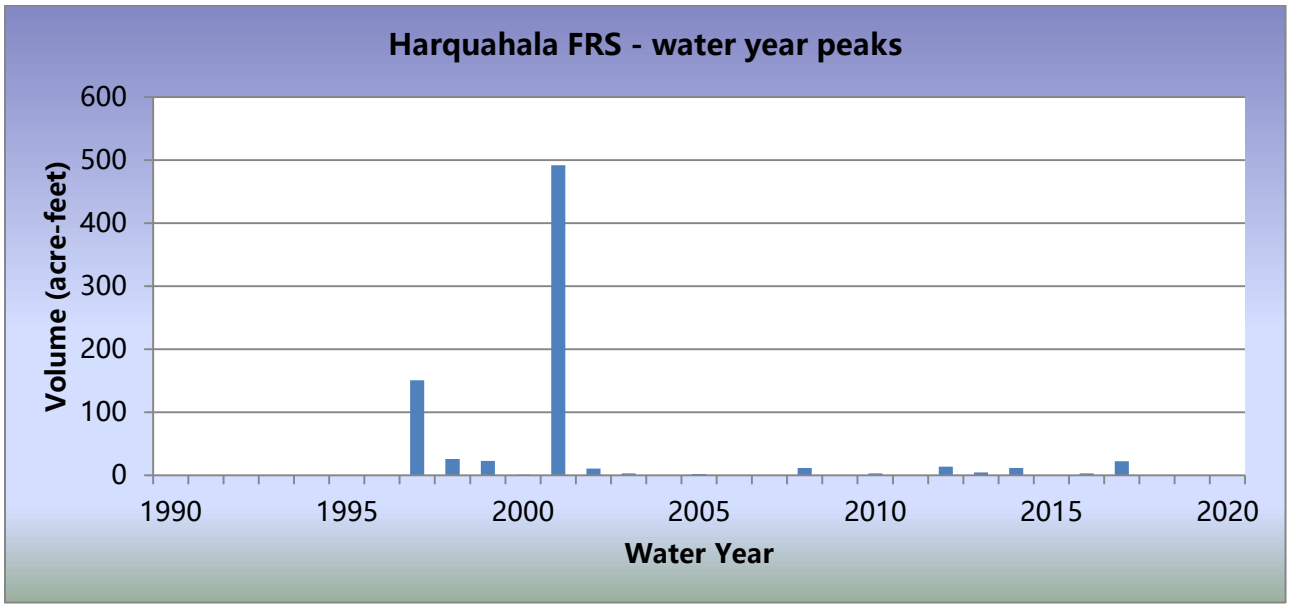


Site Data

LOCATION	Located northeast of I-10 and Salome Highway interchange
DRAINAGE AREA	102.3 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S05 T2N R8W
LATITUDE	N 33° 32' 55.3" | +33.54868
LONGITUDE	W 113° 05' 51.8" | -113.09772
STREAMGAGE INSTALLATION DATE	03/01/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	03/01/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.59 Years | 9,345 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.38 feet Gage Height
STAFF GAGES	7
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,374.89 feet NAVD88
POINT OF ZERO FLOW (CONTROLLED)	0.57 feet Gage Height
POINT OF ZERO FLOW (UNCONTROLLED)	14.50 feet Gage Height
SPILLWAY ELEVATION	35.7 feet Gage Height
TOP OF DAM ELEVATION	46.7 feet Gage Height

Watershed Map

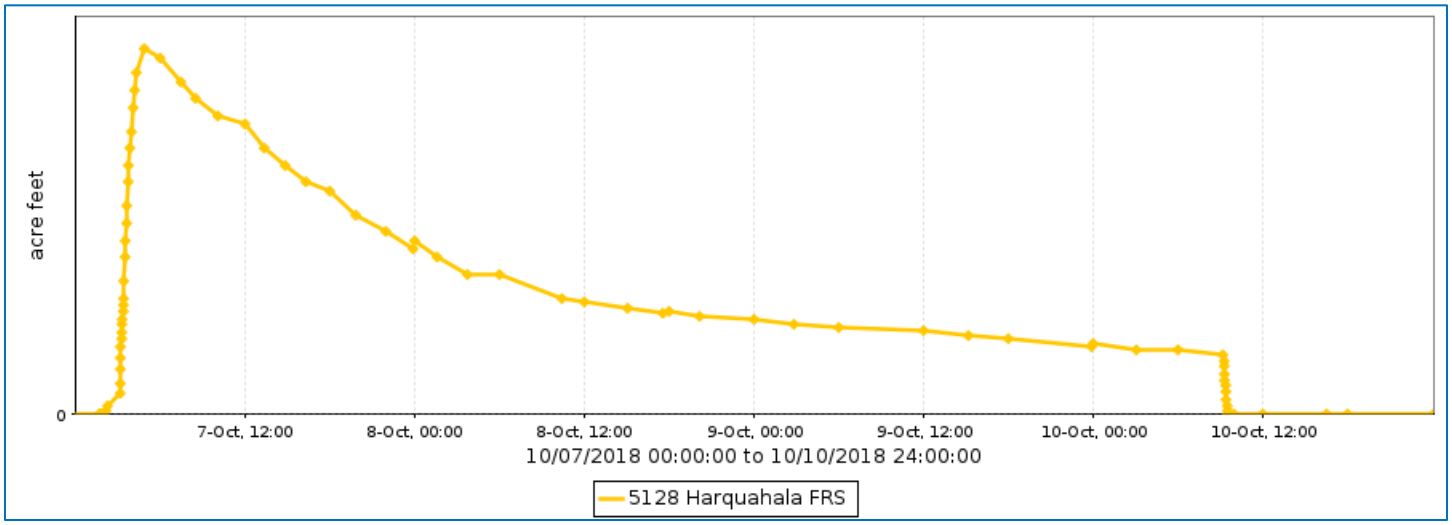




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/07/2018	4.58	0.6	0.0
01/15/2019	1.70	0.1	0.0
09/24/2019	3.07	0.2	0.0

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



Harquahala FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Harquahala FRS, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	1	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 1 MIN 0

Harquahala FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
6	0.4	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4
7	3.6	0.4	0.4	0.4	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
8	3.1	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
9	2.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	1.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
11	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
12	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
14	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
15	0.4	0.4	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
16	0.4	0.4	0.4	1.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
17	0.4	0.4	0.4	1.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
18	0.4	0.4	0.4	1.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
19	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
20	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
21	0.4	0.4	0.4	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
22	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
24	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2.8
25	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2.4
26	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2.2
27	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2.0
28	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.8
29	0.4	0.4	0.4	0.4	---	0.4	0.4	0.4	0.4	0.4	0.4	1.6
30	0.4	0.4	0.4	0.4	---	0.4	0.4	0.4	0.4	0.4	0.4	1.5
31	0.4	---	0.4	0.4	---	0.4	---	0.4	---	0.4	0.4	---
MEAN	0.7	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
MAX	4.6	0.4	0.4	1.7	1.0	0.4	0.6	0.4	0.4	0.4	0.4	3.1
MIN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

WTR YR 2019 MEAN 0.45 MAX 4.58 MIN 0.38

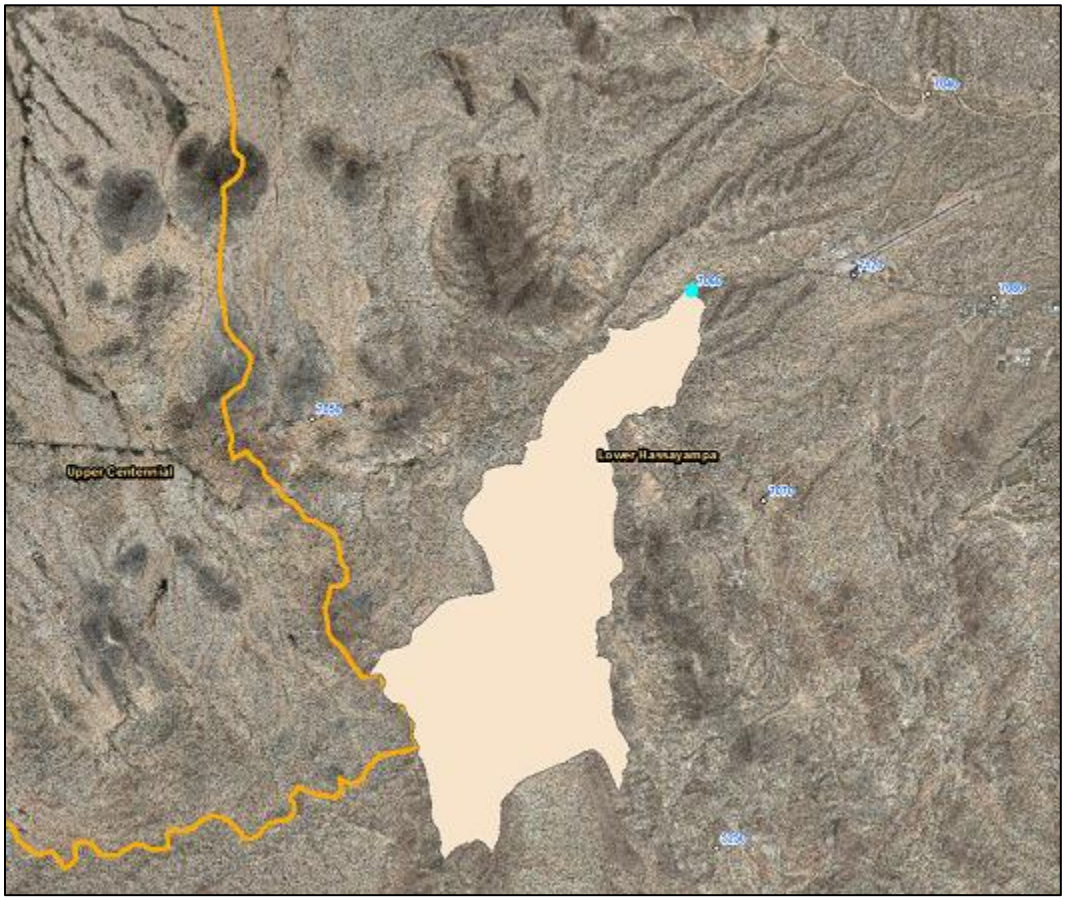
Hartman Wash, ID #7063

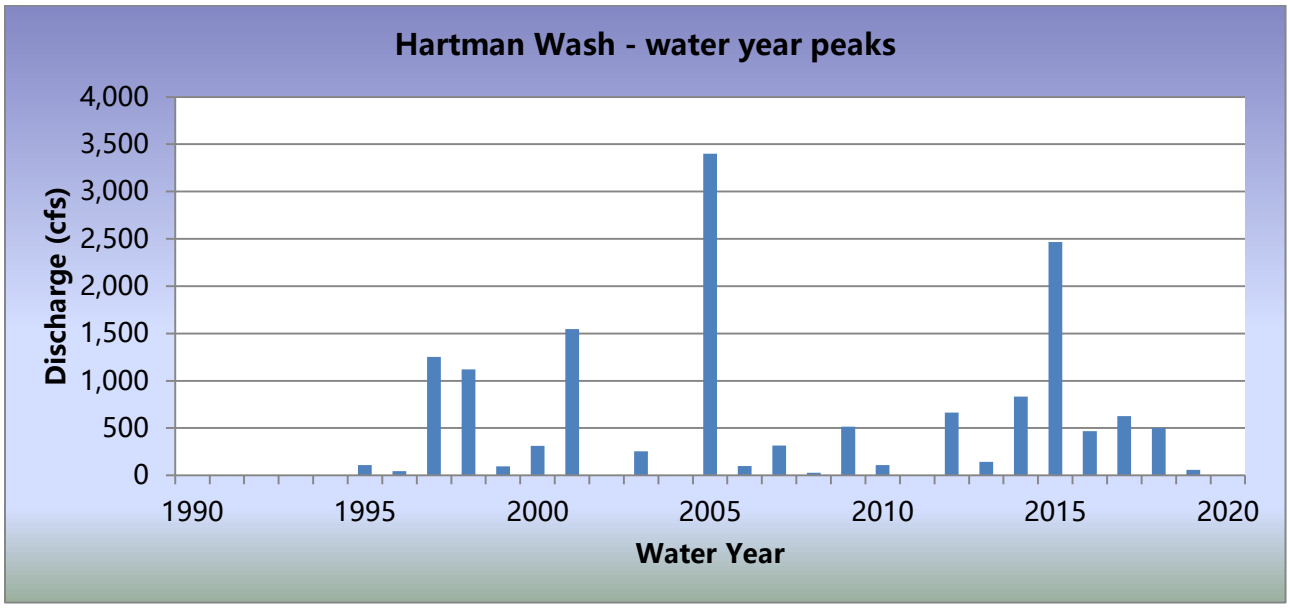


Site Data

LOCATION	About 3 miles west of Vulture Mine Road on US 60
DRAINAGE AREA	5.4 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S15 T7N R6W
LATITUDE	N 33° 57' 46.0" | +33.96277
LONGITUDE	W 112° 49' 40.7" | -112.82798
STREAMGAGE INSTALLATION DATE	07/06/1994 - WY 1994
AVAILABLE PERIOD OF RECOD	07/06/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.24 Years | 9,218 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.05 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	3
ZERO GAGE HEIGHT ELEVATION	2,454.40 feet NAVD88
POINT OF ZERO FLOW	-0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,400 cfs | 7.94 feet | 07/30/2005

Watershed Map

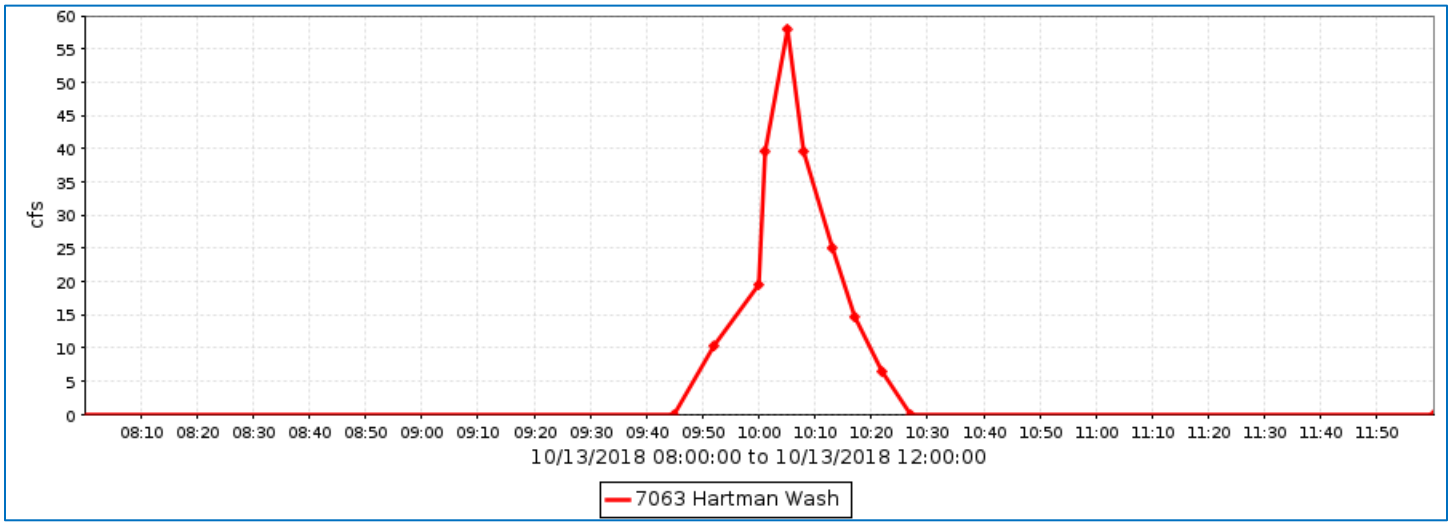




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/13/2018	0.59	58

Hydrograph of peak WY 2019 flow event, 10/13/2018



Flood Flow Frequency

Flood Flow Frequency N=45, HEC-WRC computation (based on 45 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
263	**1,070**	**2,010**	**3,220**	**5,210**	**6,970**

NOTE: These results are based on limited data.

Hartman Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26	---											
27	---											
28	---											
29					---							
30					---							
31		---			---		---		---			---
TOTAL	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	58	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 1 MEAN 0 MAX 58 MIN 0 AC_FT 1

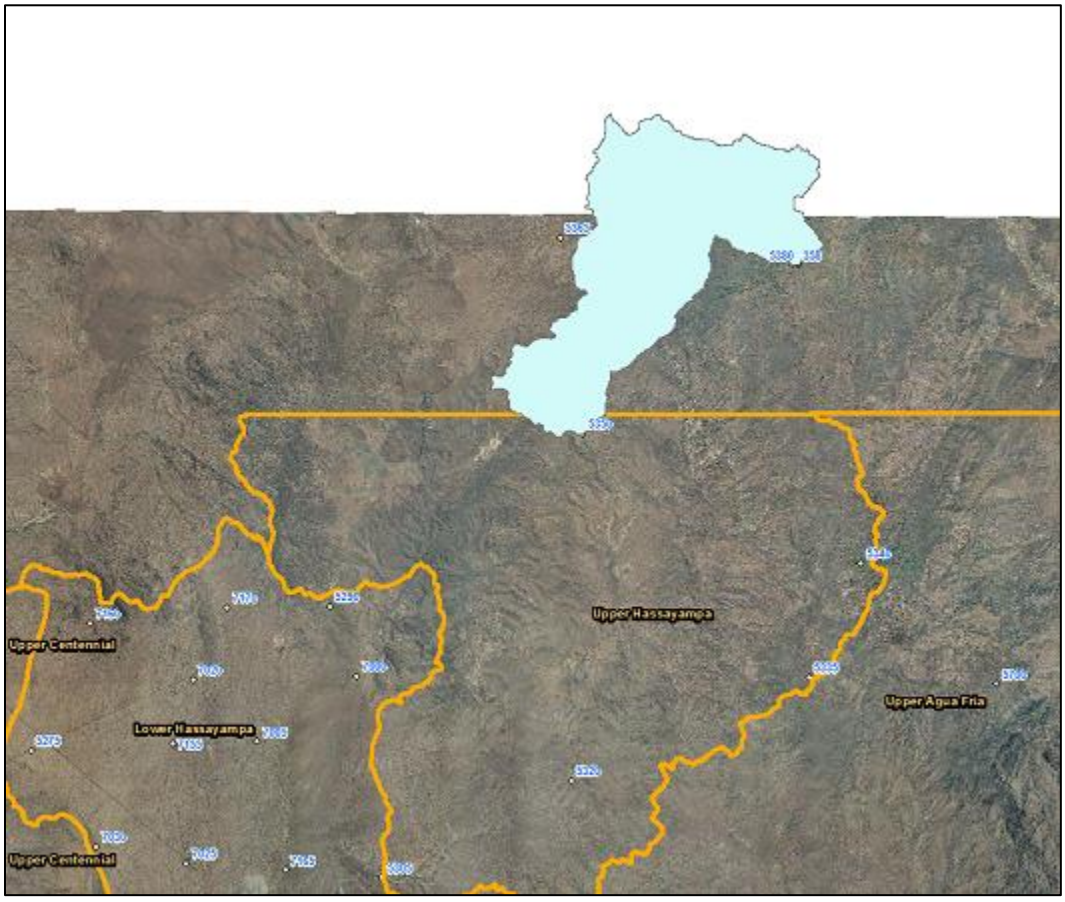
Hassayampa River at Wagoner, ID #5352

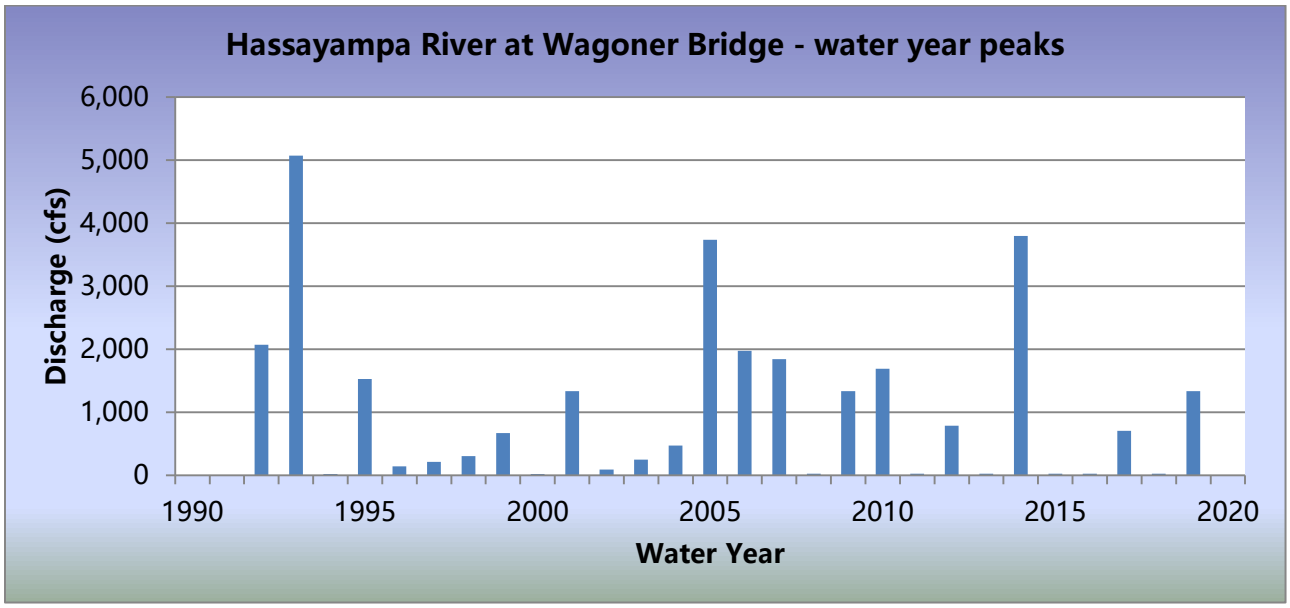


Site Data

LOCATION	Located on the Wagoner Road bridge crossing of the Hassayampa River
DRAINAGE AREA	78 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Upper Hassayampa
SECTION/TOWNSHIP/RANGE	S09 T11N R3W
LATITUDE	N 34° 18' 36.5" | +34.31016
LONGITUDE	W 112° 34' 07.6" | -112.56879
STREAMGAGE INSTALLATION DATE	12/19/1983 - WY 1984
AVAILABLE PERIOD OF RECORD (POR)	11/27/1991 - Current
LENGTH OF AVAILABLE POR DATA	27.84 Years | 10,170 Days
DATA GAPS IN POR	09/25/2007 - 05/28/2008
STAGE GAGE ELEVATION	2.18 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	3,739.72 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,068 cfs | 5.00 feet | 01/08/1993

Watershed Map

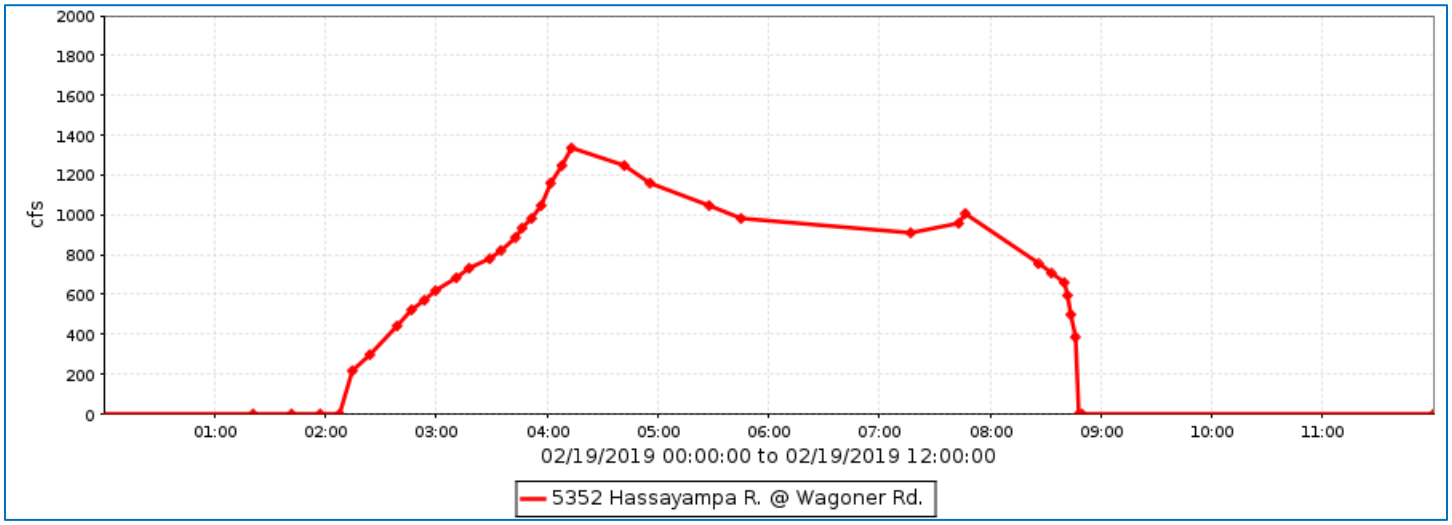




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
02/19/2019	4.53	1,335
02/20/2019	4.24	1,088
02/24/2019	3.16	547
02/25/2019	3.01	440
02/26/2019	3.36	640
03/14/2019	3.31	617

Hydrograph of peak WY 2019 flow event, 02/19/2019



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
396	**1,760**	**3,640**	**6,450**	**11,900**	**17,700**

NOTE: These results are based on limited data.

Hassayampa River at Wagoner, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14						91						
15					10							
16												
17												
18												
19					255							
20					119							
21												
22												
23					8							
24					145							
25					102							
26					149					---		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	788	91	0	0	0	0	0	0
MEAN	0	0	0	0	28	3	0	0	0	0	0	0
MAX	0	0	0	0	1335	617	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	1563	180	0	0	0	0	0	0

WTR YR 2019 TOTAL 879 MEAN 2 MAX 1335 MIN 0 AC_FT 1743

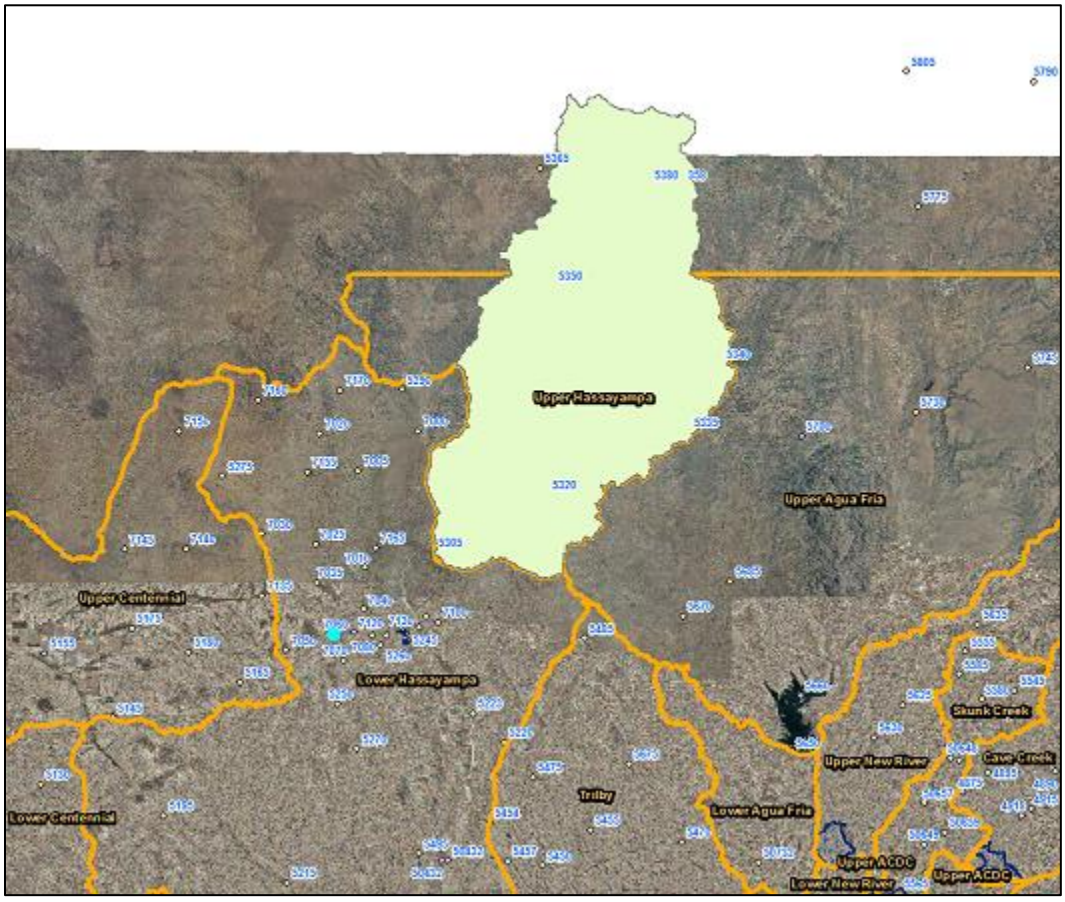
Hassayampa River at Box Canyon, ID #5308

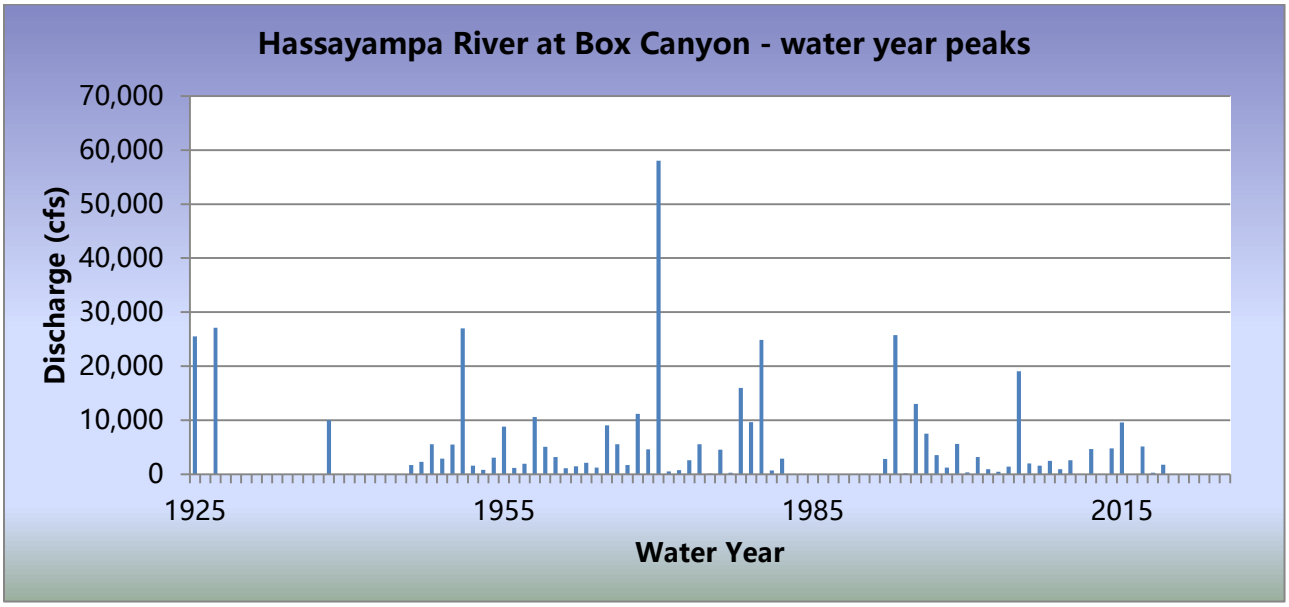


Site Data

LOCATION	Northeast of Wickenburg
DRAINAGE AREA	417 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S07 T8N R4W
LATITUDE	N 34° 02' 42.3" | +34.04508
LONGITUDE	W 112° 42' 36.5" | -112.71013
STREAMGAGE INSTALLATION DATE	11/17/1983 - WY 1984
AVAILABLE PERIOD OF RECORD (POR)	10/16/1991 - Current
LENGTH OF AVAILABLE POR DATA	27.96 Years | 10,212 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	3.30 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	2,238.01 feet NAVD88
POINT OF ZERO FLOW	2.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	26,000 cfs | 18.90 feet | 01/21/2010
EXTREME OUTSIDE PERIOD OF RECORD	58,000 cfs | 34.6 feet | 09/05/1970

Watershed Map

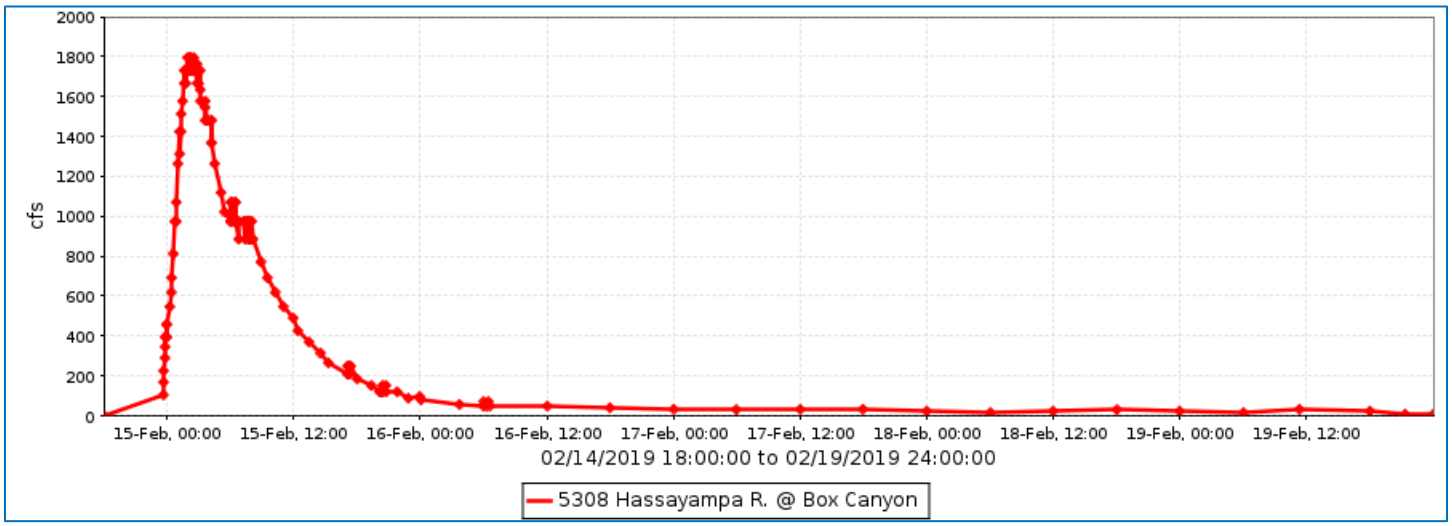




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/13/2018	5.62	1,220
10/14/2018	4.64	426
12/07/2018	3.86	98
01/16/2019	4.20	206
02/15/2019	6.35	1,796
02/27/2019	4.20	206
03/13/2019	4.10	168
09/23/2019	3.58	45
09/26/2019	4.95	630

Hydrograph of peak WY 2019 flow event, 02/15/2019



Flood Flow Frequency

Flood Flow Frequency N=69, HEC-WRC computation (based on 69 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
3,130	**9,870**	**17,400**	**27,300**	**44,400**	**60,800**

NOTE: These results are based on available data.

Hassayampa River at Box Canyon, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						139						
2			1			135						
3			3			150						
4			3			117						
5			3			80						
6			3			55						
7			5			35						
8			3			21						
9			3			11						
10			3			8						
11			3			4						
12			3			6						
13	135		3			82						
14	10		3		4	38						
15			3	18	644	1						
16			3	28	53							
17			2		33							
18			2		22							
19			3		23							
20			3		13							
21			3		17							
22			3		43							
23			3		65							1
24			3		72							
25			2		92							
26	---		3		123							49
27	---		3		168							
28	---		3		168							
29			3		---							
30					---							
31		---			---		---		---			---
TOTAL	145	0	74	45	1541	883	0	0	0	0	0	50
MEAN	5	0	2	1	55	28	0	0	0	0	0	2
MAX	1220	0	98	206	1796	206	0	0	0	0	0	630
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	287	0	148	90	3056	1751	0	0	0	0	0	98

WTR YR 2019 TOTAL 2738 MEAN 8 MAX 1796 MIN 0 AC_FT 5431

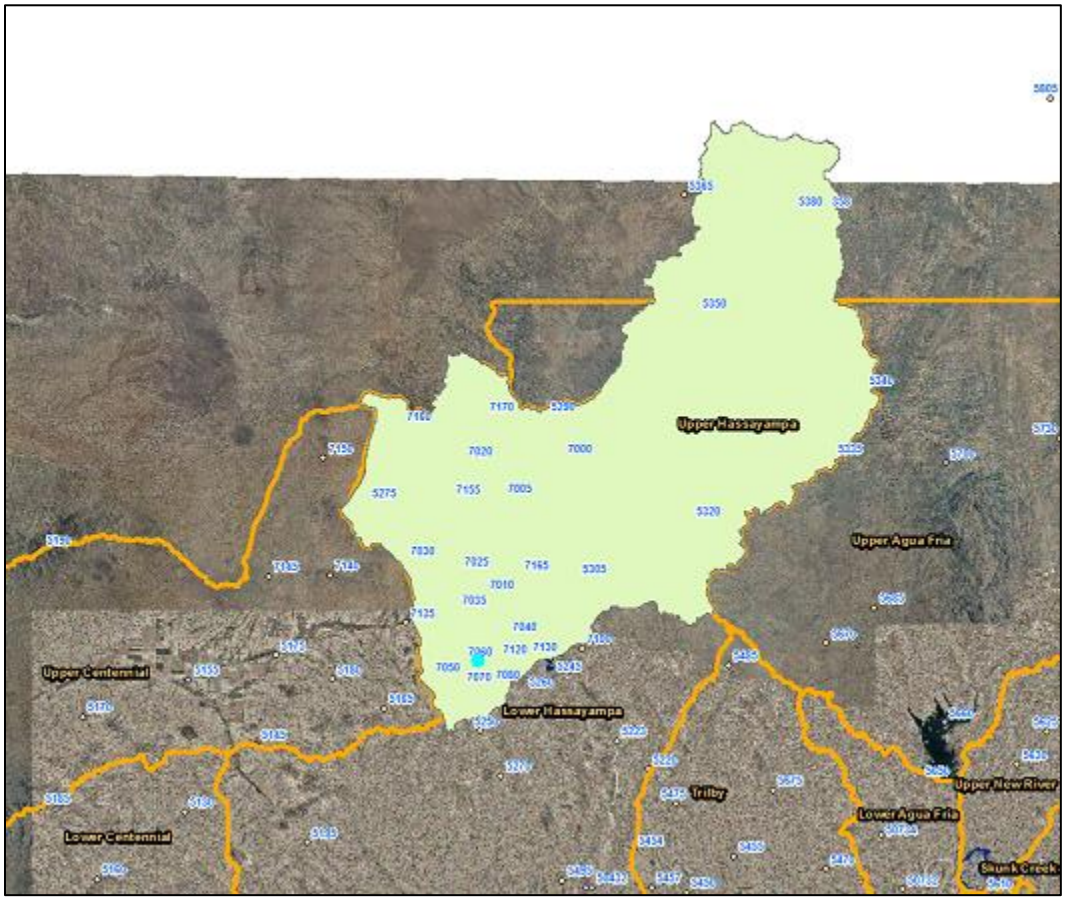
Hassayampa River at US60, ID #5228

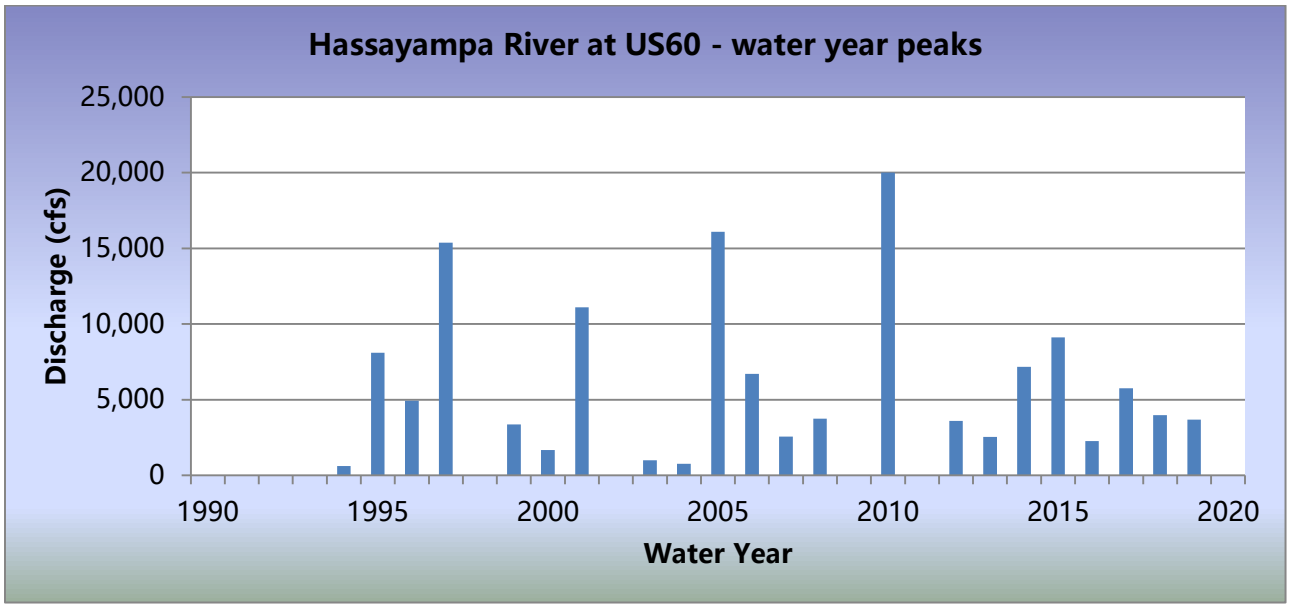


Site Data

LOCATION	US 60 crossing of the Hassayampa River
DRAINAGE AREA	711 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S12 T7N R5W
LATITUDE	N 33° 58' 13.2" | +33.97032
LONGITUDE	W 112° 43' 37.3" | -112.72704
STREAMGAGE INSTALLATION DATE	03/14/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	03/14/1994 - 10/01/2010
LENGTH OF AVAILABLE POR DATA	25.55 Years | 9,332 Days
DATA GAPS IN POR	06/26/2009 - 04/13/2010
STAGE GAGE ELEVATION	0.60 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	2,034.85 feet NAVD88
POINT OF ZERO FLOW	0.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	16,089 cfs | 4.32 feet | 02/12/2005
EXTREME OUTSIDE PERIOD OF RECORD	52,000 cfs | 10.3 feet | 09/05/1970

Watershed Map

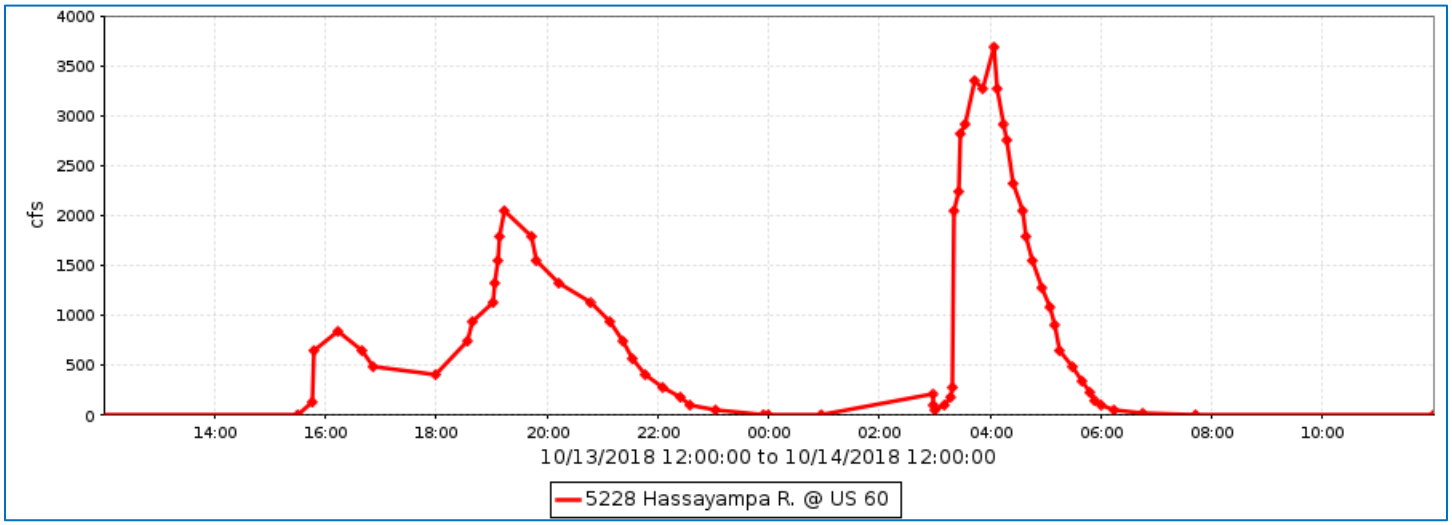




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/07/2018	0.80	59
10/13/2018	1.97	2,045
10/14/2018	2.47	3,683
01/15/2019	0.80	59
02/15/2019	1.97	2,045
02/16/2019	0.97	175
02/21/2019	0.95	158
02/28/2019	1.02	220
03/03/2019	1.17	404
03/13/2019	1.72	1,431
09/23/2019	2.19	2,664
09/23/2019	1.22	477
09/26/2019	1.87	1,788 (first occurrence)
09/26/2019	1.87	1,788 (second occurrence)

Hydrograph of peak WY 2019 flow event, 10/14/2018



Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
3,030	**10,400**	**18,000**	**27,100**	**40,900**	**52,400**

NOTE: These results are based on very limited data.

Hassayampa River at US60, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2						23						
3						163						
4						281						
5						61						
6												
7	1											
8												
9												
10												
11												
12												
13	250					678						
14	207					942						
15				1	919	445						
16					14							
17												
18												
19												
20												
21					50							
22					64							
23												254
24												18
25												23
26												450
27												
28					16							
29					---							
30					---							
31		---			---		---		---			---
TOTAL	457	0	0	1	1063	2593	0	0	0	0	0	745
MEAN	15	0	0	0	38	84	0	0	0	0	0	25
MAX	3683	0	0	59	2045	1431	0	0	0	0	0	2664
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	907	0	0	2	2109	5144	0	0	0	0	0	1478

WTR YR 2019 TOTAL 4860 MEAN 13 MAX 3683 MIN 0 AC_FT 9639

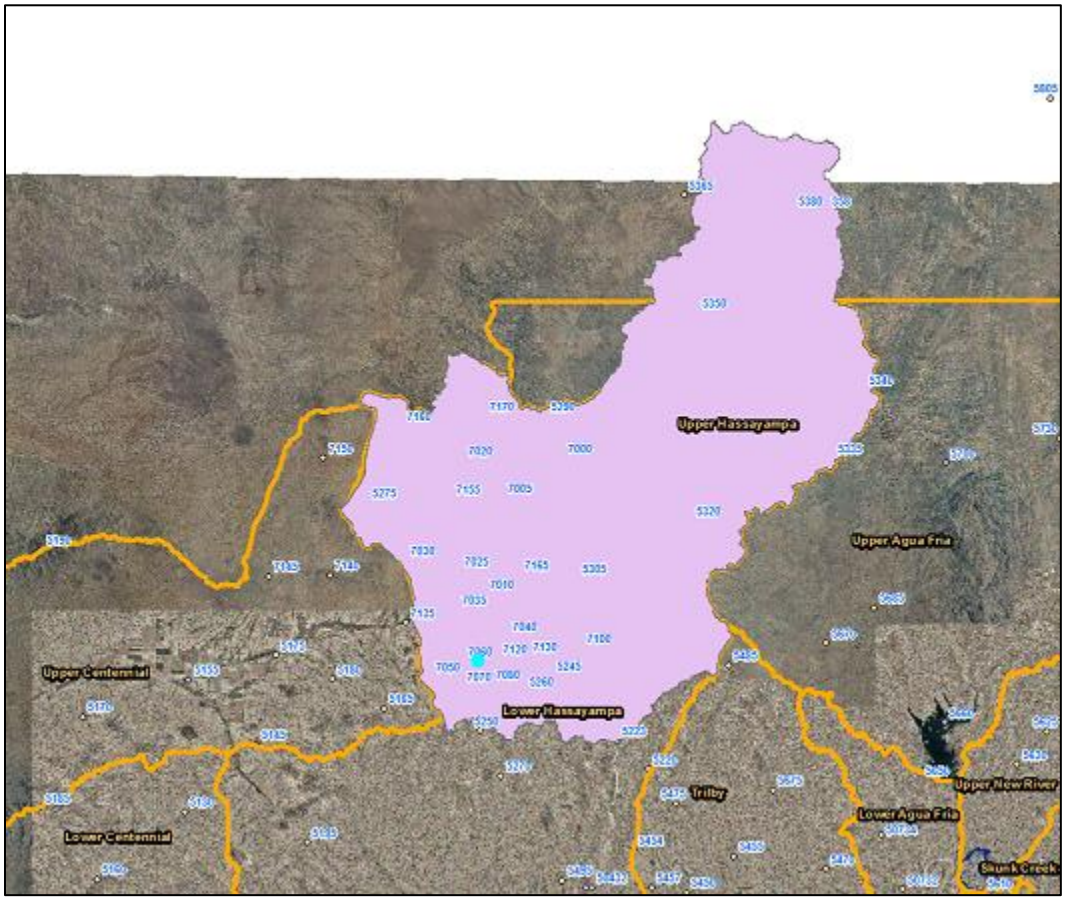
Hassayampa River near Morristown, ID #5223

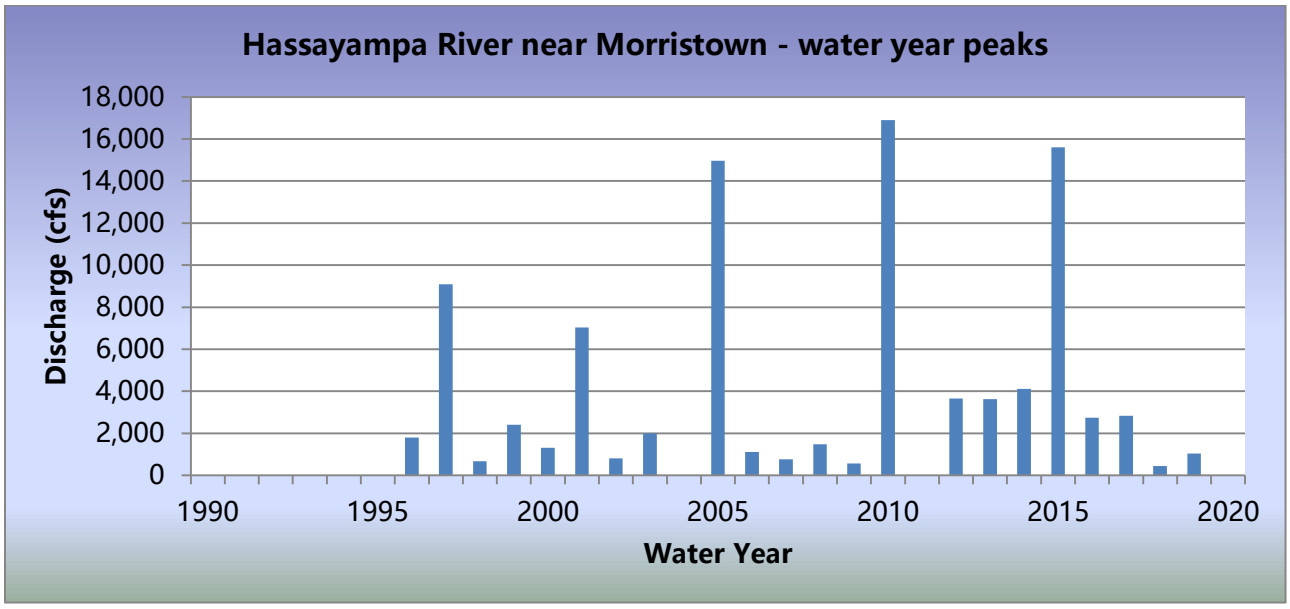


Site Data

LOCATION	Located about 6 miles south of Wickenburg
DRAINAGE AREA	796 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S03 T6N R4W
LATITUDE	N 33° 53' 05.3" | +33.88481
LONGITUDE	W 112° 39' 42.3" | -112.66174
STREAMGAGE INSTALLATION DATE	05/07/1996 - WY 1996
AVAILABLE PERIOD OF RECORD (POR)	05/07/1996 - Current
LENGTH OF AVAILABLE POR DATA	23.40 Years | 8,547 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	7.25 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,832.62 feet NAVD88
POINT OF ZERO FLOW	8.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	16,900 cfs | 14.21 feet | 01/22/2010
EXTREME OUTSIDE PERIOD OF RECORD	47,500 cfs | 09/05/1970

Watershed Map

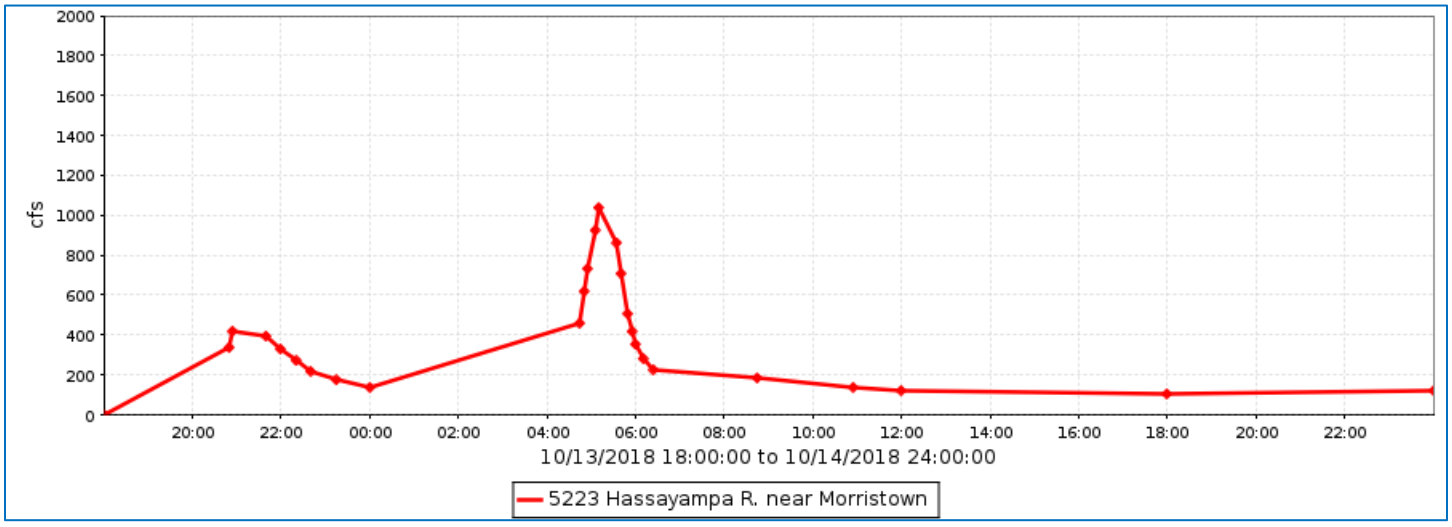




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/14/2018	8.98	1,037
01/16/2019	7.68	103
02/22/2019	7.87	174
09/23/2019	8.74	778
09/23/2019	7.63	88
09/25/2019	7.69	106
09/26/2019	8.34	428

Hydrograph of peak WY 2019 flow event, 10/14/2018



Flood Flow Frequency

Flood Flow Frequency N=66, HEC-WRC computation (based on 66 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
2,900	**9,170**	**15,000**	**21,300**	**30,100**	**36,800**

NOTE: These results are based on available data.

Hassayampa River near Morristown, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2					9							
3					40							
4					49							
5					52							
6					55							
7					69							
8					60							
9					63							
10					64							
11					66				42			
12					61							
13	39				54							
14	176				54							
15	60				---							
16				23	---							
17					---							
18					---							
19					17							
20												
21					45							
22					91							
23					61							45
24					41							
25												12
26												137
27												69
28												
29		10			---							
30					---							
31		---			---		---		---			---
TOTAL	275	10	0	23	1186	0	0	0	42	0	0	264
MEAN	9	0	0	1	42	0	0	0	1	0	0	9
MAX	1037	146	0	103	174	0	0	0	778	0	0	778
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	545	21	0	45	2352	0	0	0	82	0	0	524

WTR YR 2019 TOTAL 1799 MEAN 5 MAX 1037 MIN 0 AC_FT 3569

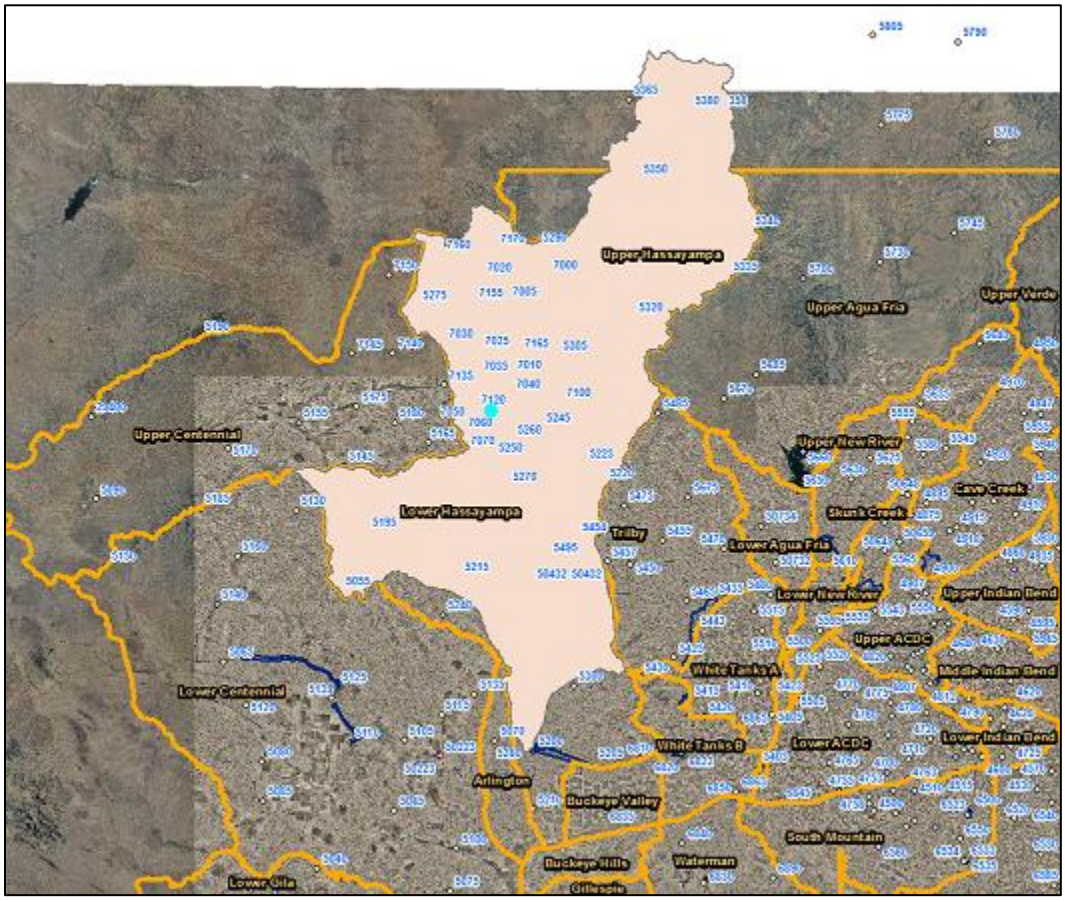
Hassayampa River at I-10, ID #5283

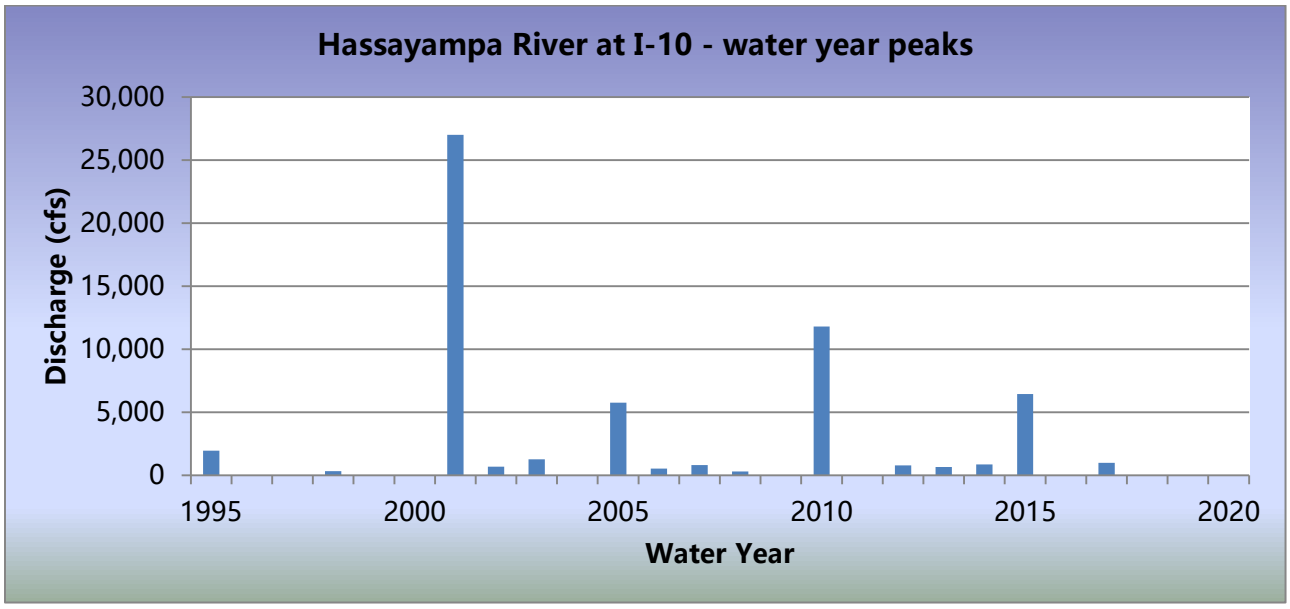


Site Data

LOCATION	Located on the eastbound I-10 bridge
DRAINAGE AREA	1,450 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S03 T1N R5W
LATITUDE	N 33° 27' 28.2" | +33.45782
LONGITUDE	W 112° 45' 40.7" | -112.76139
STREAMGAGE INSTALLATION DATE	11/09/1994 - WY 1995
AVAILABLE PERIOD OF RECORD (POR)	11/09/1994 - Current
LENGTH OF AVAILABLE POR DATA	24.89 Years | 9,092 Days
DATA GAPS IN POR	02/15/2011 - 01/30/2012
STAGE GAGE ELEVATION	2.402 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	3
ZERO GAGE HEIGHT ELEVATION	1,018.72 feet NAVD88
POINT OF ZERO FLOW	1.9 feet Gage Height
EXTREME FOR PERIOD OF RECORD	27,000 cfs | 7.05 feet | 10/27/2000

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
None		

Hydrograph of peak WY 2019 flow event,

No runoff events recorded in Water Year 2019.

Flood Flow Frequency

Flood Flow Frequency N=25, HEC-WRC computation (based on 25 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
741	**3,540**	**7,640**	**14,100**	**27,200**	**41,500**

NOTE(1): These results are based on very limited data.
NOTE(2): FEMA 100-year discharge is 75,164 cfs

Hassayampa River at I-10, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

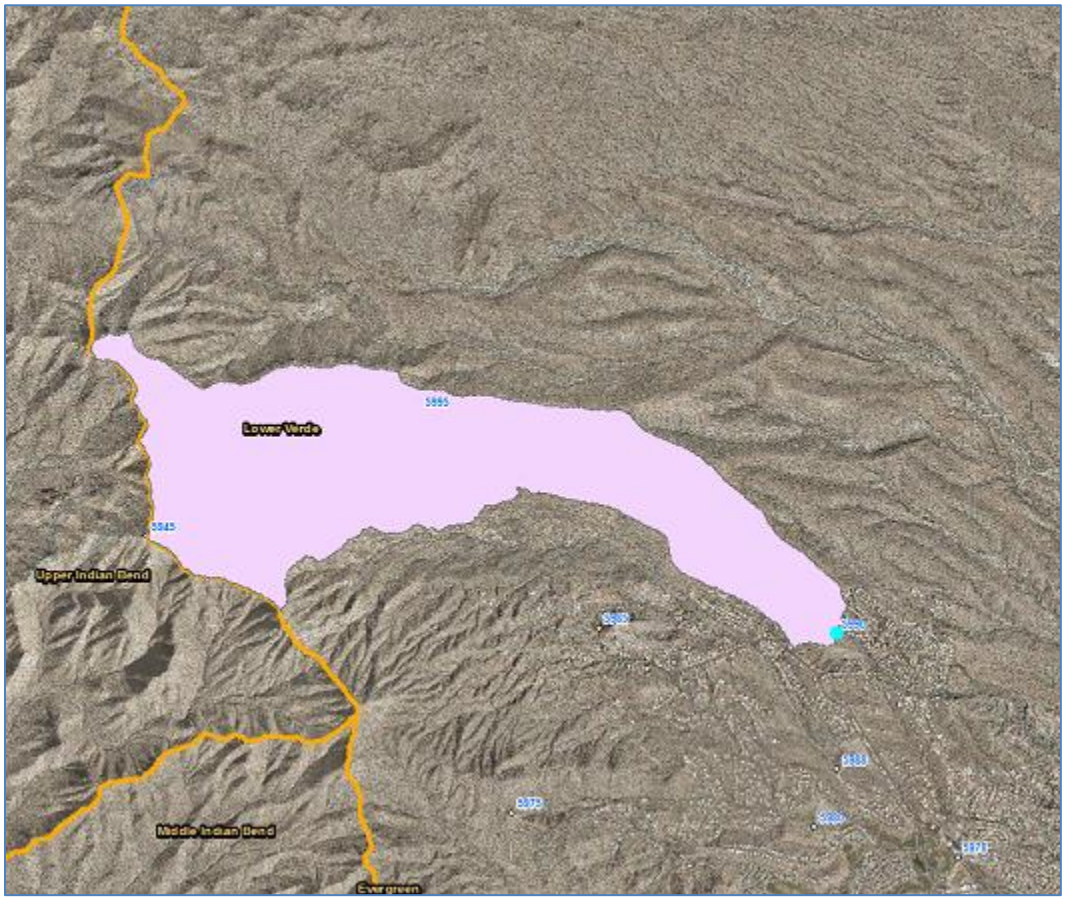
Hesperus Dam, ID #5993

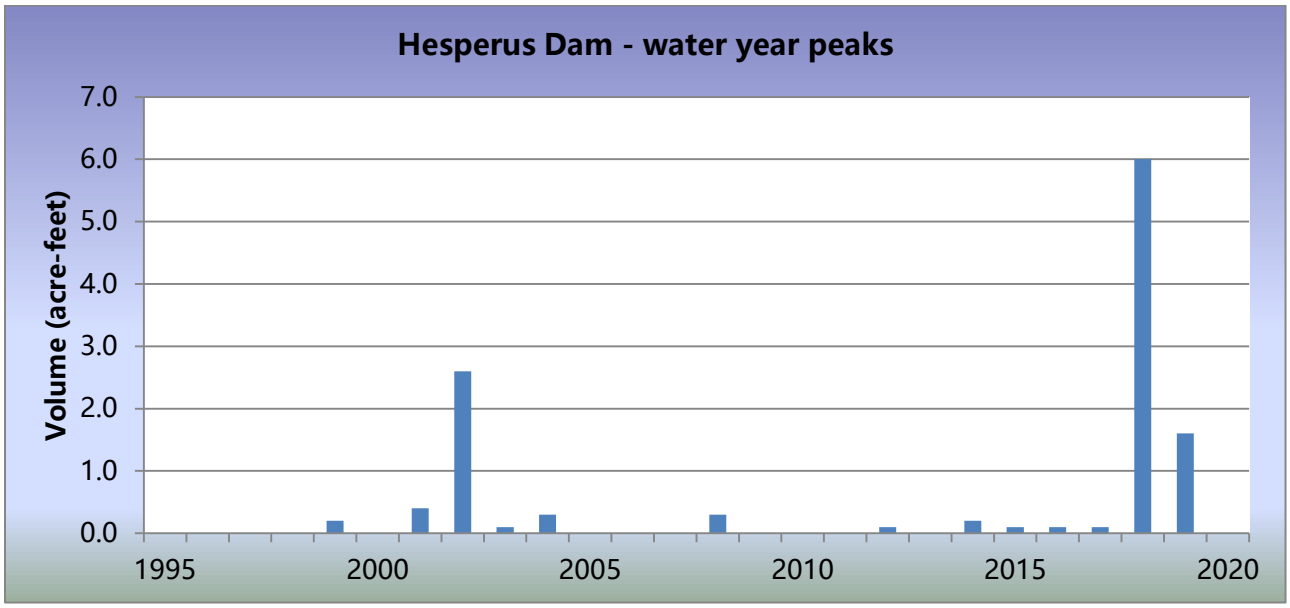


Site Data

LOCATION	East of Golden Eagle Boulevard off of Richwood Avenue
DRAINAGE AREA	2.91 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S04 T3N R6E
LATITUDE	N 33° 38' 11.8" | +33.63661
LONGITUDE	W 111° 44' 47.6" | -111.74656
STREAMGAGE INSTALLATION DATE	12/18/1996 - WY 1997
AVAILABLE PERIOD OF RECORD (POR)	12/18/1996 - Current
LENGTH OF AVAILABLE POR DATA	22.78 Years | 8,322 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.03 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,855.61 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	35.2 feet Gage Height
TOP OF DAM ELEVATION	41.1 feet Gage Height

Watershed Map

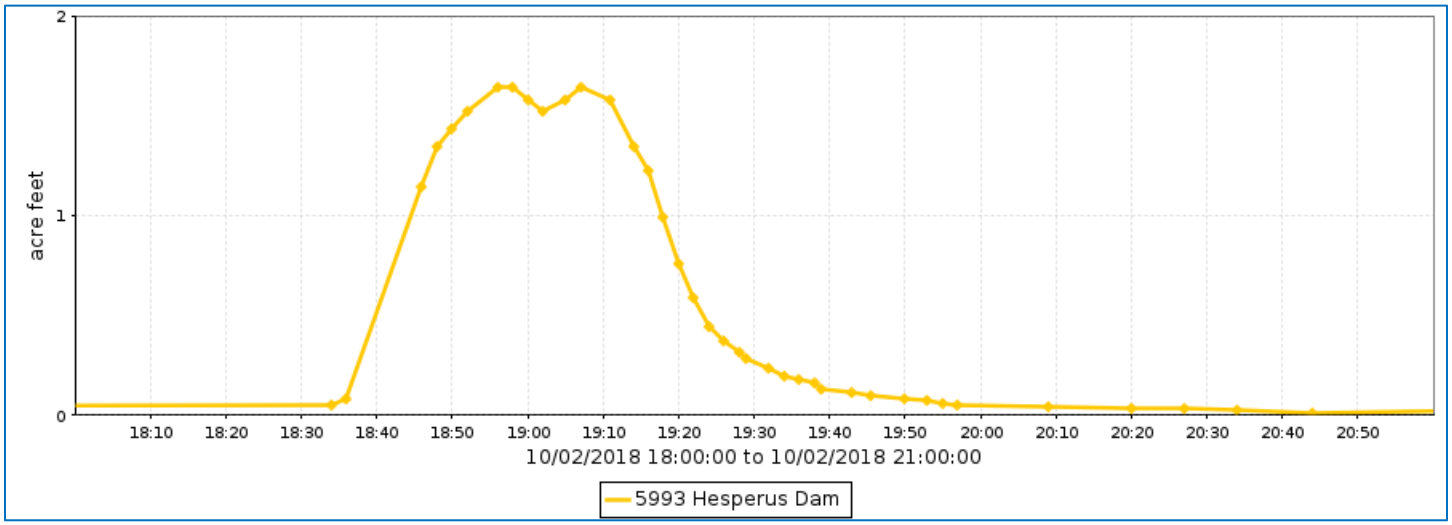




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	6.12	1.6	0.6
10/23/2018	2.11	0.1	0.0
09/23/2019	4.40	0.6	0.2
09/23/2019	3.37	0.3	0.1
09/23/2019	3.18	0.3	0.1

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Hesperus Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	11											
3	1											
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23	2											14
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	14	0	0	0	0	0	0	0	0	0	0	14
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	140	0	0	0	0	0	0	0	0	0	0	111
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	28	0	0	0	0	0	0	0	0	0	0	28

WTR YR 2019 TOTAL 28 MEAN 0 MAX 140 MIN 0 AC_FT 56

Hesperus Dam, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	2	0	0	0	0	0	0	0	0	0	0	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 2 MIN 0

Hesperus Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
11	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
12	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
13	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
14	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
19	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
20	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
21	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
22	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
23	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
24	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
25	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
26	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
27	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
28	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
29	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31	0.8	---	0.8	0.8	---	0.8	---	0.8	---	0.8	0.8	---
MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
MAX	6.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	4.4
MIN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

WTR YR 2019 MEAN 0.79 MAX 6.12 MIN 0.79

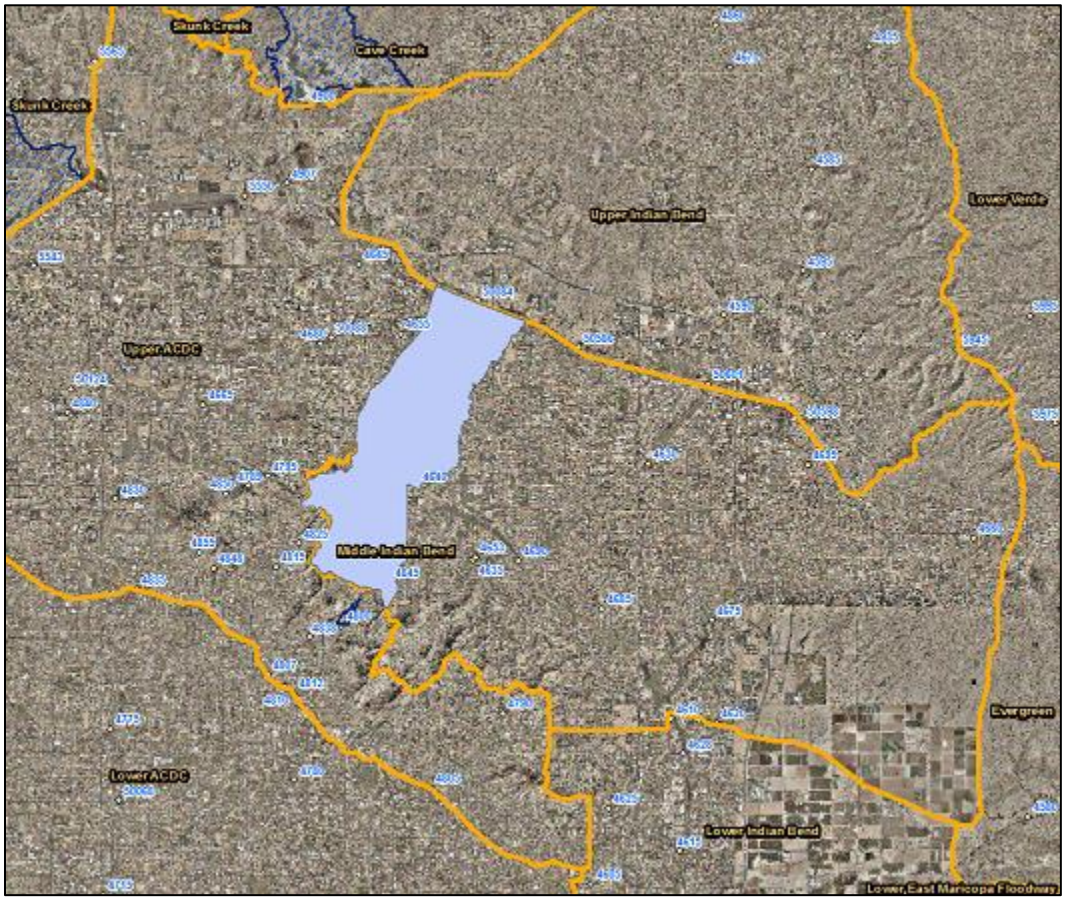
Indian Bend Wash at Sweetwater Avenue – ID #4643

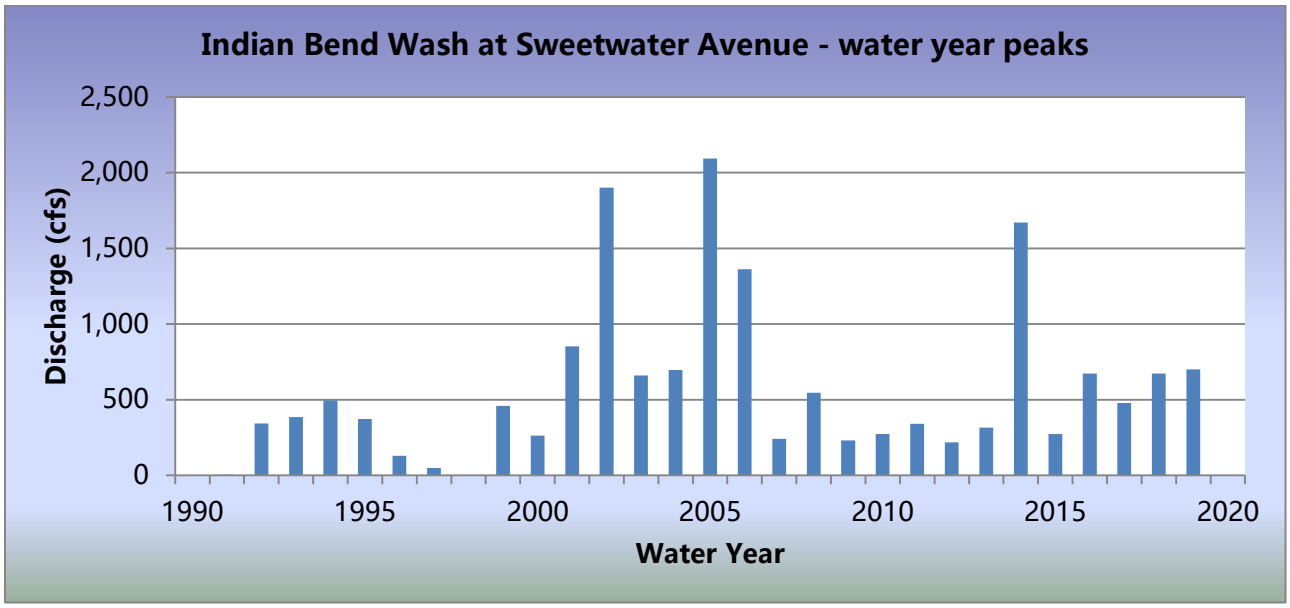


Site Data

LOCATION	Near 36th Street and Sweetwater Ave
DRAINAGE AREA	11.7 mi^2
STREAM TYPE	Channelized Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Middle Indian Bend
SECTION/TOWNSHIP/RANGE	S13 T3N R3E
LATITUDE	N 33° 36' 13.3" | +33.60369
LONGITUDE	W 112° 00' 16.0" | -112.00445
STREAMGAGE INSTALLATION DATE	12/27/1990 - WY 1991
AVAILABLE PERIOD OF RECORD (POR)	03/27/1992 - Current
LENGTH OF AVAILABLE POR DATA DATA	27.51 Years | 10,049 Days
DATA GAPS IN POR	04/27/1997 - 11/22/1998
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,387.63 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,093 cfs | 4.90 feet | 08/02/2005

Watershed Map

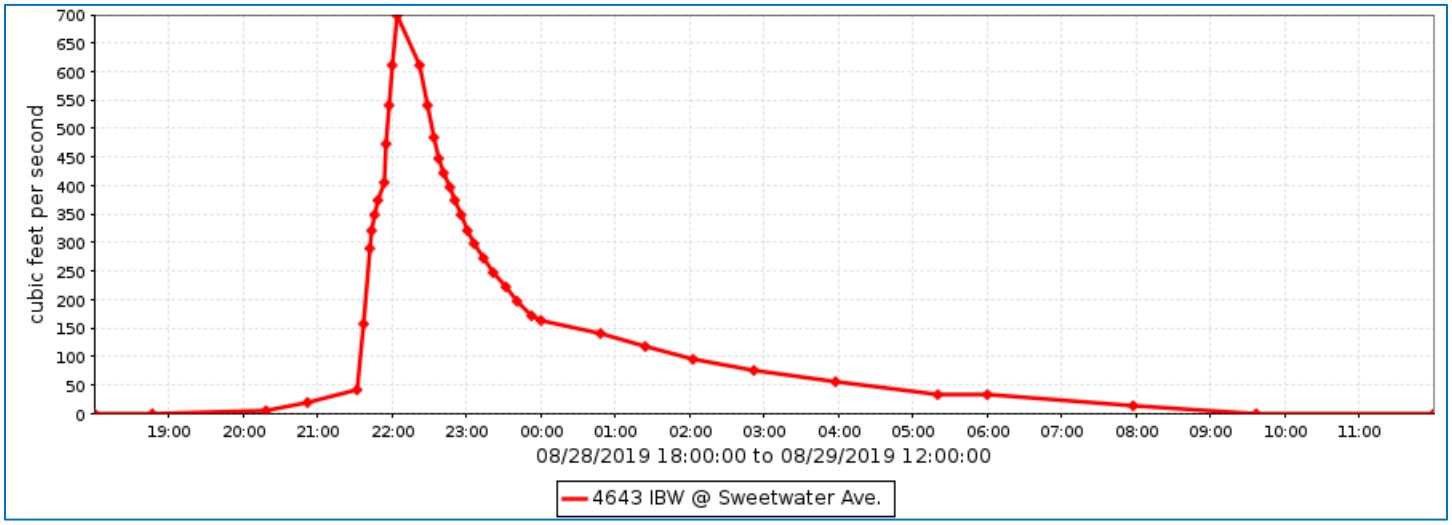




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.38	672
10/02/2018	3.38	672 (second occurrence)
10/07/2018	3.03	527
10/13/2018	1.66	176
10/13/2018	1.08	84
02/21/2019	0.87	58
02/21/2019	0.82	52
03/12/2019	1.17	97
08/28/2019	3.46	700
09/23/2019	2.63	406
09/26/2019	0.58	69

Hydrograph of peak WY 2019 flow event, 08/28/2019



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
442	**880**	**1,240**	**1,640**	**2,230**	**2,720**
FEMA FIS, Flood Flow Frequency					
		2,000		**3,500**	**6,000**

NOTE: Results for the HEC-WRC analysis are based on very limited data.

Indian Bend Wash at Sweetwater Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1											
2	227											
3	28											
4	2			1								
5	1											
6	1			20								
7	66											
8	3			1								
9	6											
10	1											
11	2											
12	1					46						
13	98					15						
14	9				1							
15												
16												
17	1											
18												
19	1											
20												
21					41							
22	1				40							
23	2											53
24	1											6
25												
26												11
27	1											2
28	2										39	
29	1	1			---						27	
30		15			---							
31		---			---		---		---			---
TOTAL	457	16	0	24	82	60	0	0	0	0	66	72
MEAN	15	1	0	1	3	2	0	0	0	0	2	2
MAX	649	83	0	89	109	157	0	0	0	0	700	406
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	907	32	0	47	163	120	0	0	0	0	130	142

WTR YR 2019 TOTAL 777 MEAN 2 MAX 700 MIN 0 AC_FT 1541

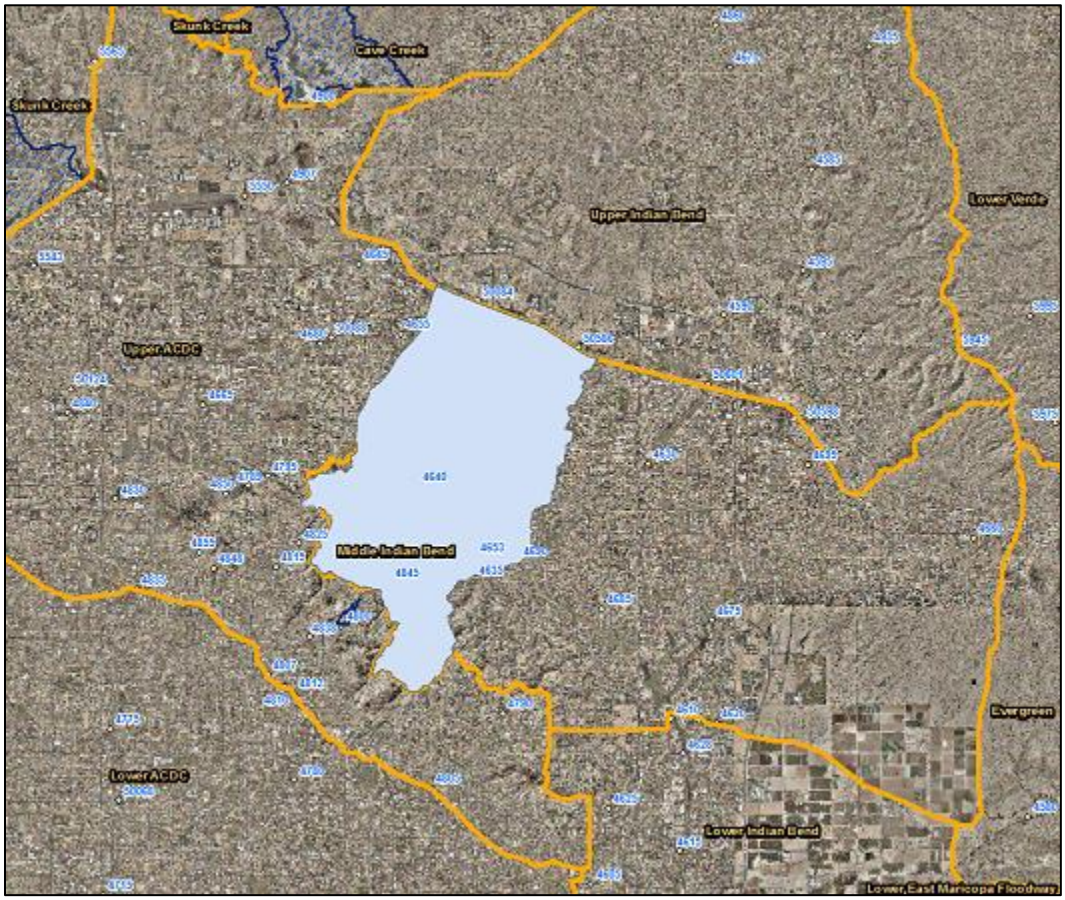
Indian Bend Wash at Shea Boulevard, ID #4693

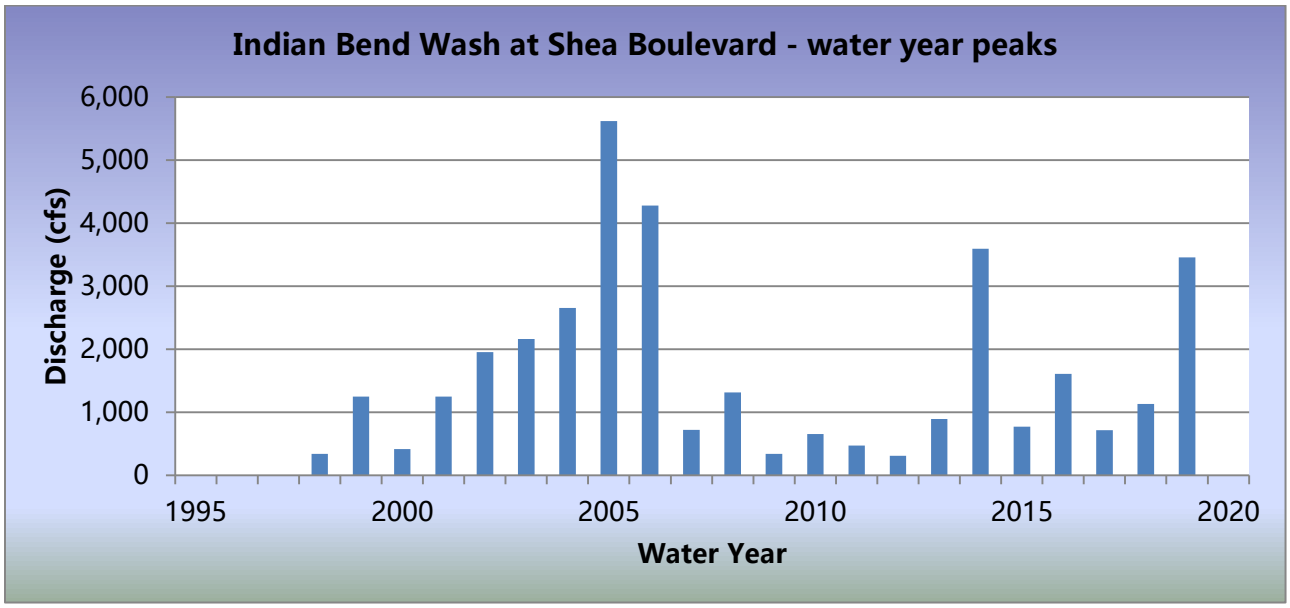


Site Data

LOCATION	Near 52nd Street and Shea Boulevard
DRAINAGE AREA	24.6 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S29 T3N R4E
LATITUDE	N 33° 34' 53.2" | +33.58143
LONGITUDE	W 111° 58' 06.3" | -111.96841
STREAMGAGE INSTALLATION DATE	06/09/1998 - WY 1998
AVAILABLE PERIOD OF RECORD (POR)	06/09/1998 - Current
LENGTH OF AVAILABLE POR DATA DATA	21.31 Years | 7,784 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.35 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,344.26 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,616 cfs | 4.68 feet | 08/02/2005

Watershed Map

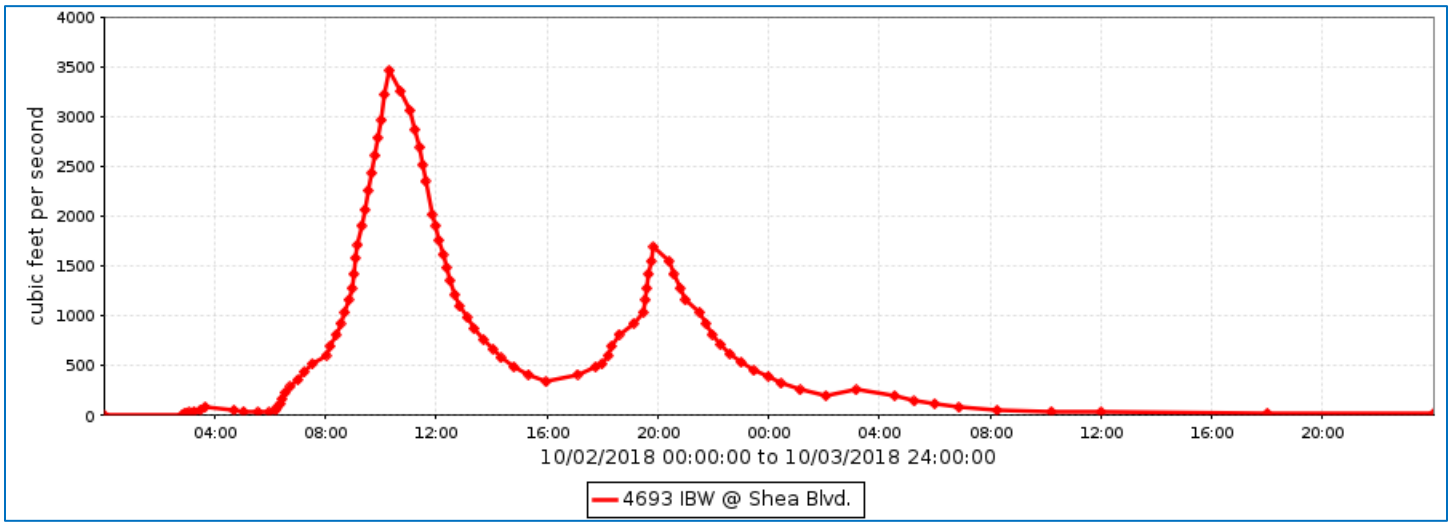




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.81	3,458
10/02/2018	2.79	1,684
10/07/2018	2.04	759
10/13/2018	1.82	553
11/30/2018	1.04	64
01/06/2019	1.02	58
02/22/2019	0.44	76
03/12/2019	0.29	45
08/28/2019	0.92	200
09/14/2019	0.29	45
09/23/2019	1.22	304

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=31, HEC-WRC computation (based on 31 years of data, USGS and FCDMC data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,210	**2,410**	**3,460**	**4,690**	**6,600**	**8,300**

NOTE: These results are based on limited data.

Inidan Bend Wash at Shea Boulevard, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2											
2	805											
3	86											
4	4	1										3
5												2
6				25								
7	137											
8	1											
9											3	
10												
11												
12						50						
13	175					34						
14	11											
15	1				1							
16												
17												
18												
19												
20												
21					49							
22					77							
23					7							124
24												98
25												20
26	1											5
27												29
28											106	6
29					---						193	
30		23			---						24	
31		---			---		---		---		7	---
TOTAL	1221	23	0	25	135	84	0	0	0	0	333	287
MEAN	39	1	0	1	5	3	0	0	0	0	11	10
MAX	3458	64	0	58	221	232	0	0	0	0	1984	1000
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2421	46	0	50	268	167	0	0	0	0	660	569

WTR YR 2019 TOTAL 2108 MEAN 6 MAX 3458 MIN 0 AC_FT 4180

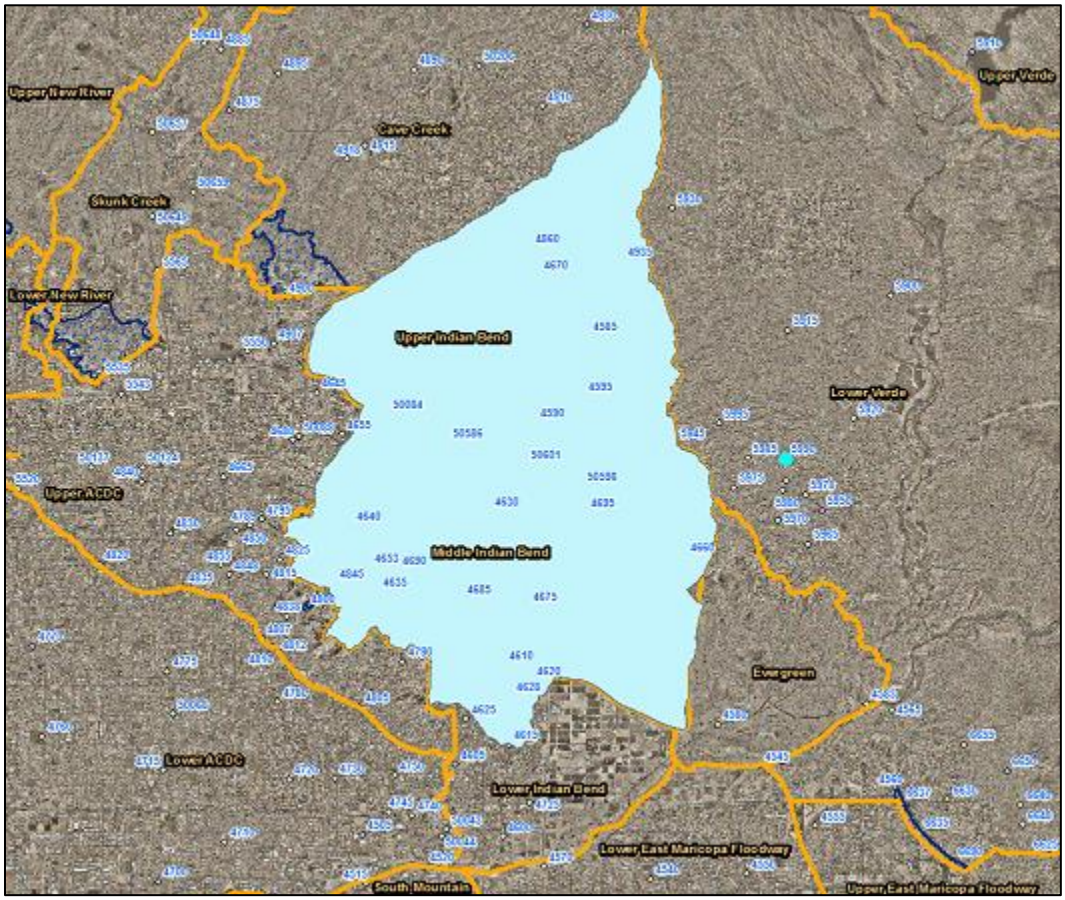
Indian Bend Wash near Indian Bend Road – ID #4613

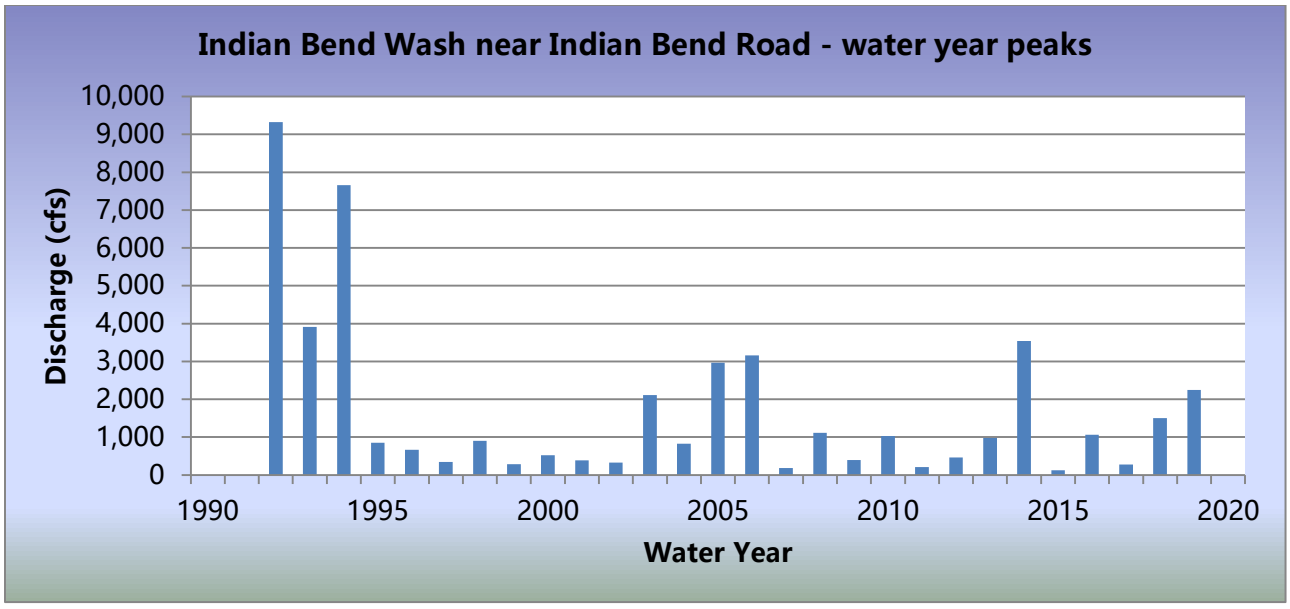


Site Data

LOCATION	About 1/4 mile south of Indian Bend Road
DRAINAGE AREA	88 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S11 T2N R4E
LATITUDE	N 33° 32' 04.0" | +33.53444
LONGITUDE	W 111° 54' 51.1" | -111.91422
STREAMGAGE INSTALLATION DATE	09/28/1983 - WY 1983
AVAILABLE PERIOD OF RECORD (POR)	03/27/1992 - Current
LENGTH OF AVAILABLE POR DATA	27.51 Years | 10,049 Days
DATA GAPS IN POR	09/28/1983 - 03/27/1992 | 07/07/1999 - 01/25/2000
STAGE GAGE ELEVATION	-0.15 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,267.55 feet Gage NAVD88
POINT OF ZERO FLOW	-0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	9,324 cfs | 5.85 feet | 07/24/1992
EXTREME OUTSIDE PERIOD OF RECORD	21,000 cfs | 06/22/1972

Watershed Map

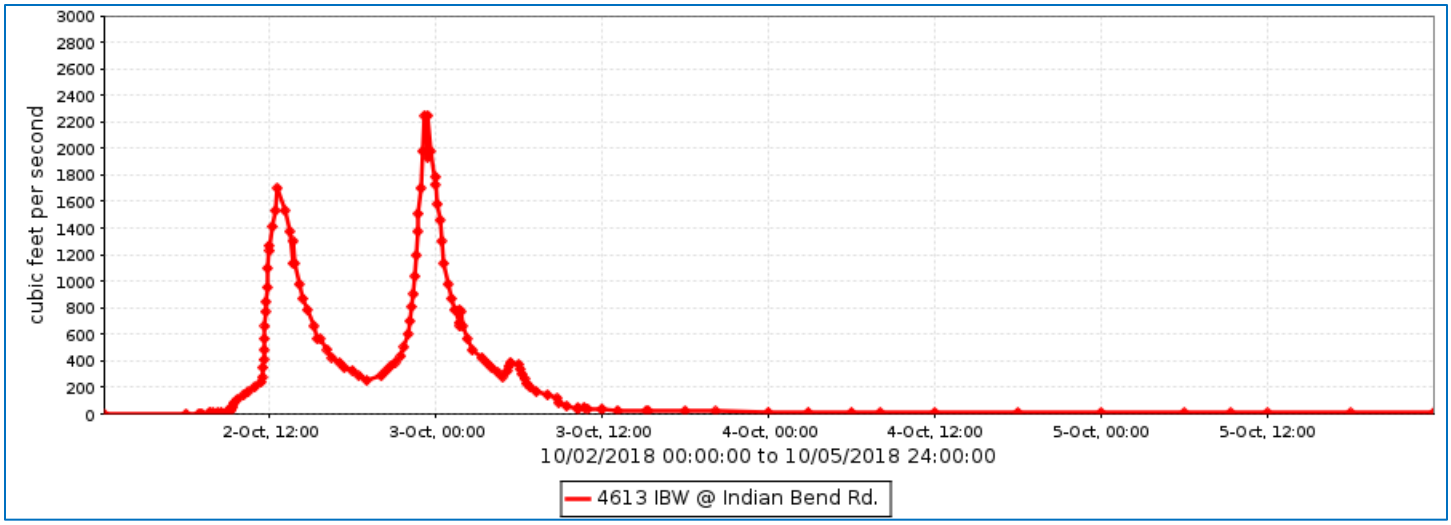




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	5.03	2,261
10/02/2018	4.76	1,910
10/07/2018	1.84	178
10/13/2018	2.24	267
01/06/2019	0.59	20
02/22/2019	2.29	280
03/13/2019	0.77	37
08/29/2019	1.69	38
09/24/2019	3.23	376

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
918	**2,430**	**4,110**	**6,410**	**10,700**	**15,000**

NOTE: These results are based on limited data.

Indian Bend Wash near Indian Bend Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						4						
2	435					5						
3	200					3						
4	11											
5	6											
6	6			4								
7	16			2								
8	9			1								
9	6			1								
10	1											
11	3											
12	4											
13	25					3						
14	14					7			---			
15	7					5						
16	5											
17	4											
18	3											
19	3											
20	3											
21	2				2							
22	2				36							
23					12							29
24					7							75
25					6							9
26					6							7
27					5							6
28					5							6
29					---						13	3
30					---						5	
31		---			---		---		---			---
TOTAL	765	0	0	8	78	28	0	0	0	0	18	135
MEAN	25	0	0	0	3	1	0	0	0	0	1	5
MAX	2250	0	0	7	134	10	0	0	0	0	38	376
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1518	0	0	16	156	55	0	0	0	0	36	268

WTR YR 2019 TOTAL 1033 MEAN 3 MAX 2250 MIN 0 AC_FT 2049

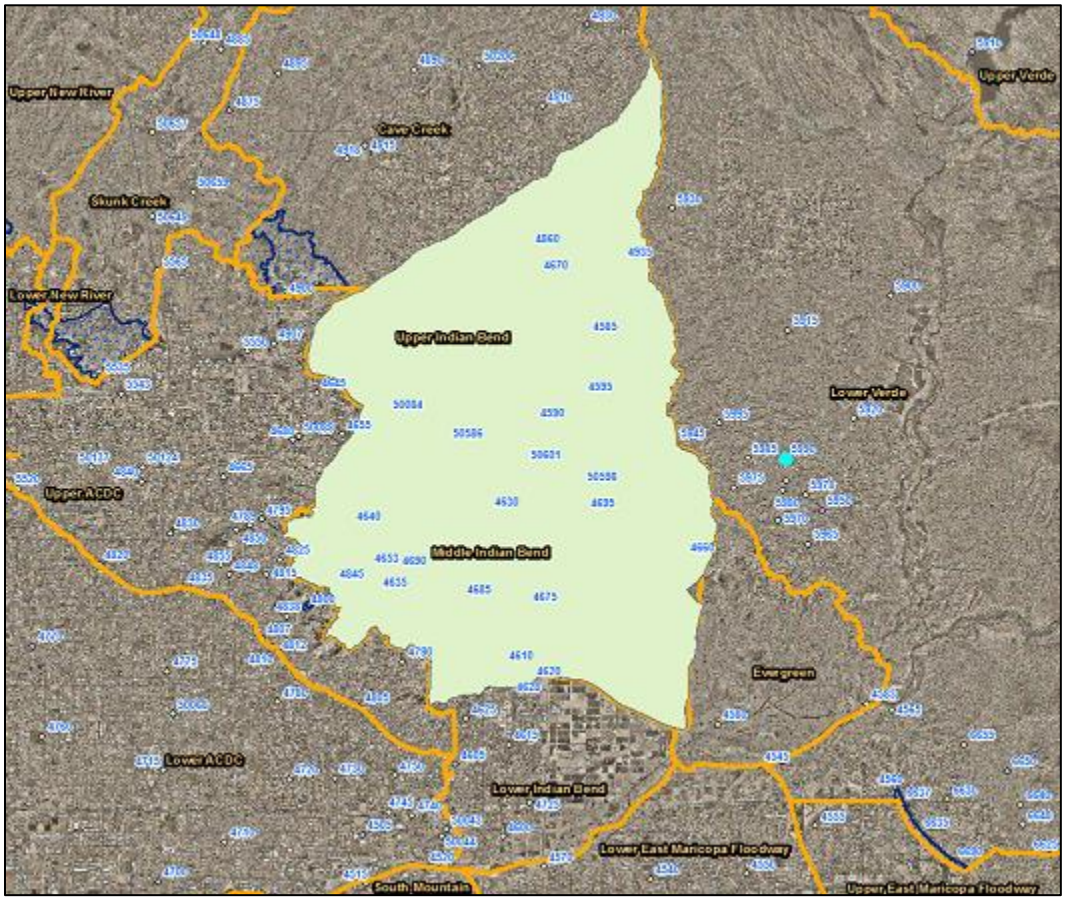
Indian Bend Wash at McDonald Drive – ID #4628

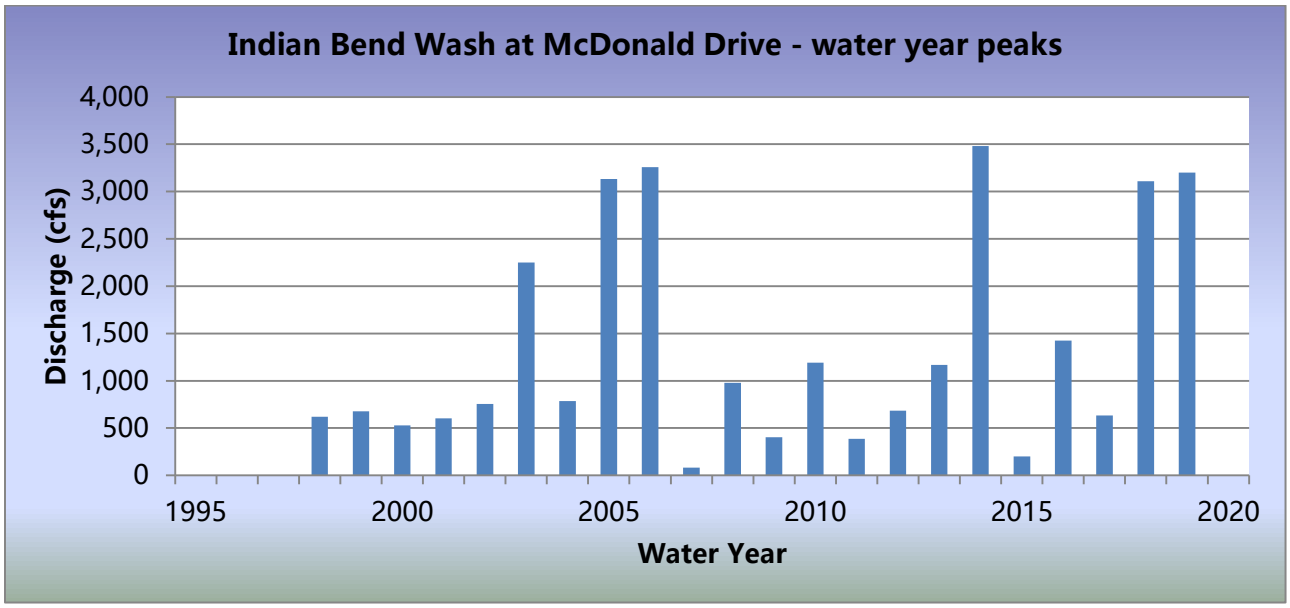


Site Data

LOCATION	On McDonald Drive west of Hayden Road
DRAINAGE AREA	88 mi^2
STREAM TYPE	Engineered Natural Stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S11 T2N R4E
LATITUDE	N 33° 31' 26.7" | +33.52407
LONGITUDE	W 111° 54' 35.8" | -111.90994
STREAMGAGE INSTALLATION DATE	11/24/1997 - WY 1998
AVAILABLE PERIOD OF RECORD (POR)	11/24/1997 - Current
LENGTH OF AVAILABLE POR DATA DATA	21.85 Years | 7,981 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-1.90 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,262.37 feet NAVD88
POINT OF ZERO FLOW	-1.9 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,482 cfs | 4.03 feet | 09/08/2014

Watershed Map

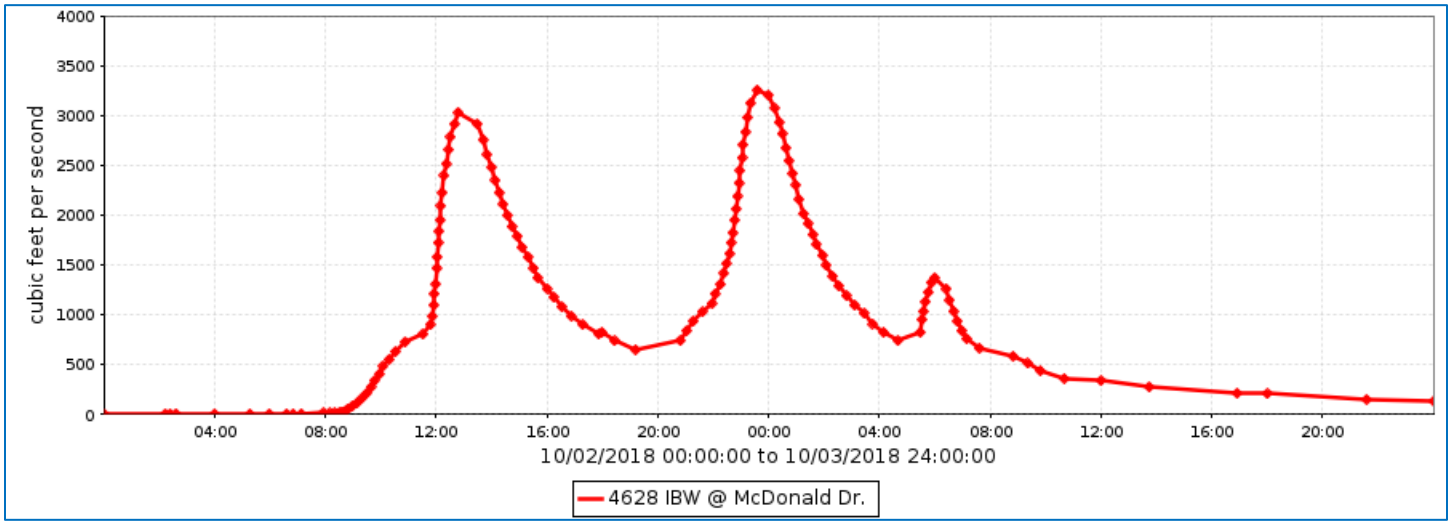




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.65	3,055
10/03/2018	3.80	3,222
10/03/2018	1.86	1,336
10/07/2018	0.36	314
10/13/2018	0.64	469
01/07/2019	-0.19	100
02/22/2019	0.71	512
03/13/2019	-0.66	21
08/29/2019	0.19	244
09/24/2019	1.06	766

Hydrograph of peak WY 2019 flow event, 10/03/2018



Flood Flow Frequency

Flood Flow Frequency N=22, HEC-WRC computation (based on 22 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
981	**2,020**	**2,970**	**4,070**	**5,830**	**7,420**

NOTE: These results are based on limited data.

Indian Bend Wash at McDonald Drive, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						9						
2	849			1		9						
3	647			1		8						
4	62					1			12			
5	14								2			
6	12			29								
7	136			44								
8	45			38								
9	14			35								
10	3			11								
11				4								
12												
13	110					3						
14	152					15						
15	17					9						
16	12					5						
17	10					1						
18	7											
19	5											
20	2											
21	1				9							
22					311							
23					135							100
24					20							350
25					12							69
26					14							24
27					11							15
28					9							16
29					---						102	5
30					---						31	
31		---			---		---		---		3	---
TOTAL	2099	1	0	161	522	61	0	0	14	0	137	580
MEAN	68	0	0	5	19	2	0	0	0	0	4	19
MAX	3258	3	0	100	534	18	0	0	18	3	244	766
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	4163	1	0	320	1036	120	0	0	27	1	271	1150

WTR YR 2019 TOTAL 3574 MEAN 10 MAX 3258 MIN 0 AC_FT 7090

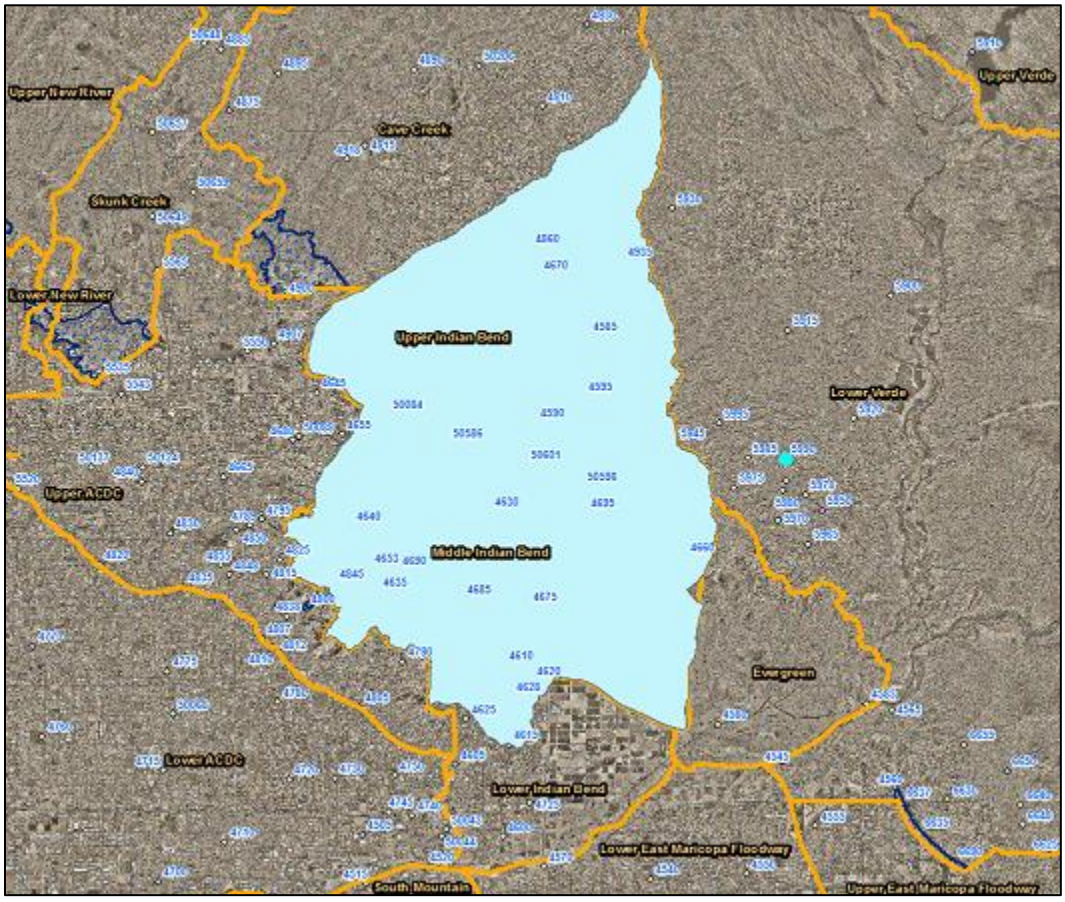
Indian Bend Wash at Indian School Road – ID #4618

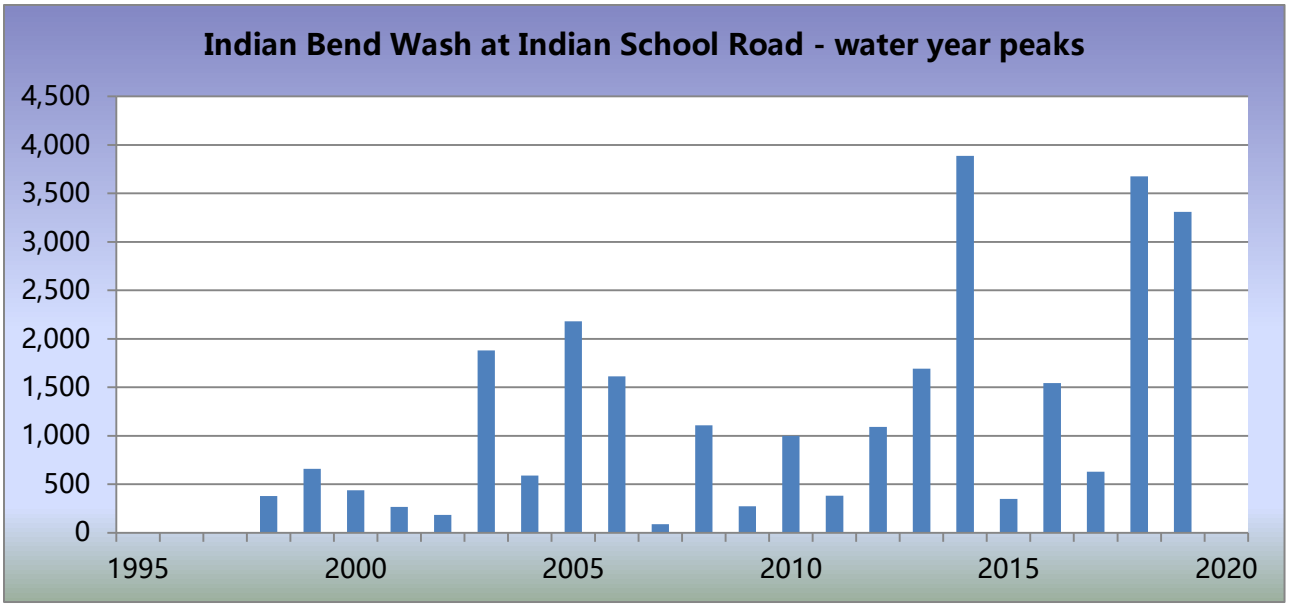


Site Data

LOCATION	On Indian School Road west of Hayden Road
DRAINAGE AREA	90 mi^2
STREAM TYPE	Improved Natural Stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S23 T2N R4E
LATITUDE	N 33° 29' 42.2" | +33.49505
LONGITUDE	W 111° 54' 40.5" | -111.91126
STREAMGAGE INSTALLATION DATE	11/25/1997 - WY 1998
AVAILABLE PERIOD OF RECORD (POR)	11/25/1997 - Current
LENGTH OF AVAILABLE POR DATA	21.85 Years | 7,980 Days
DATA GAPS IN POR	11/30/2009 - 02/16/2010
STAGE GAGE ELEVATION	0.72 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,235.28 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,887 cfs | 5.50 feet | 09/08/2014

Watershed Map

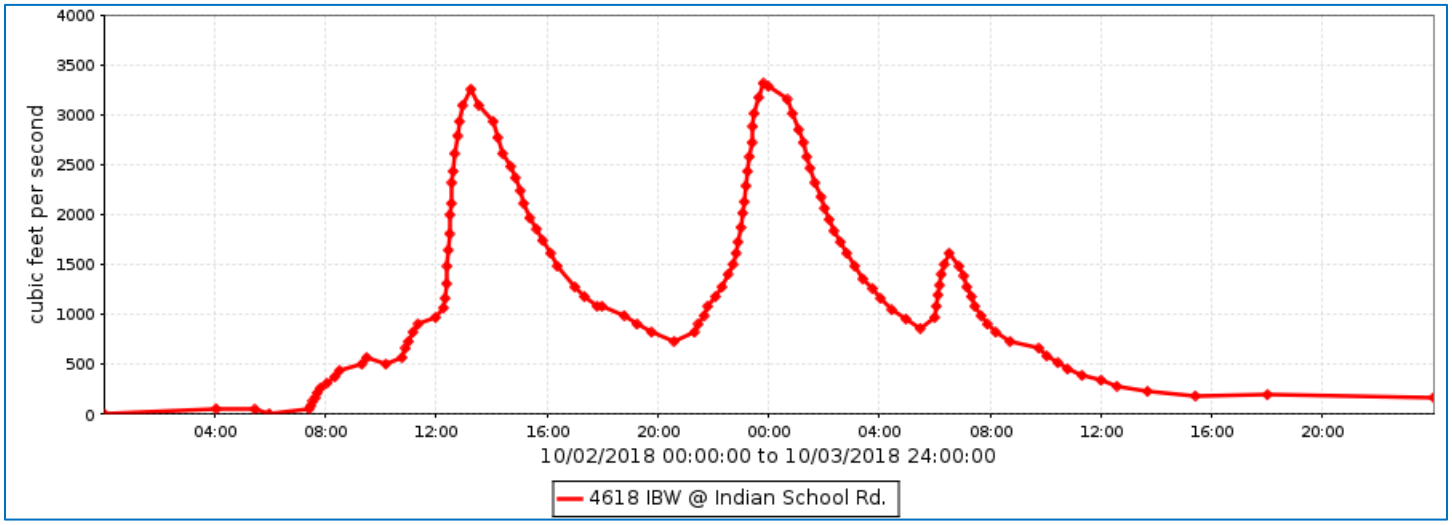




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	5.23	3,548
10/02/2018	5.18	3,485
10/03/2018	3.53	1,543
10/07/2018	1.44	209
10/07/2018	1.34	179
10/13/2018	1.84	357
10/13/2018	1.24	150
02/22/2019	1.93	397
08/28/2019	1.39	218
08/29/2019	1.64	322
09/24/2019	2.86	1,060

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=22, HEC-WRC computation (based on 22 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
835	**1,950**	**2,980**	**4,200**	**6,110**	**7,800**

NOTE: These results are based on limited data.

Indian Bend Wash at Indian School Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	940											
3	772			10								
4	47											
5												
6												
7	98											
8	9											
9												
10												
11												
12												
13	76											
14	94											
15												
16												
17												
18												
19												
20												
21					5							
22					240							
23					85							136
24												485
25												86
26												
27												
28											11	
29					---						80	
30					---						12	
31		---			---		---		---			---
TOTAL	2036	0	0	10	330	0	0	0	0	0	103	707
MEAN	66	0	0	0	12	0	0	0	0	0	3	24
MAX	3310	0	0	40	464	0	0	0	0	0	322	1060
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	4038	0	0	20	655	0	0	0	0	0	205	1401

WTR YR 2019 TOTAL 3186 MEAN 9 MAX 3310 MIN 0 AC_FT 6319

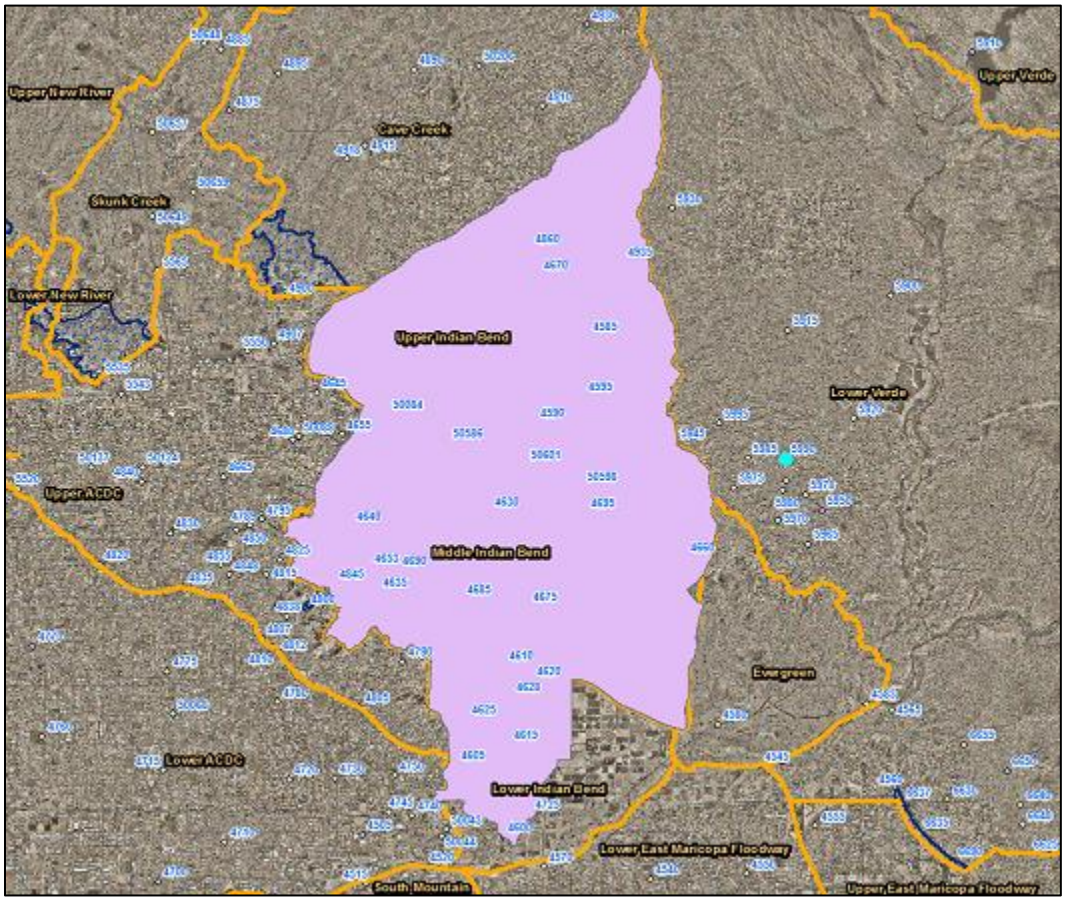
Indian Bend Wash near McKellips Road, ID #4603

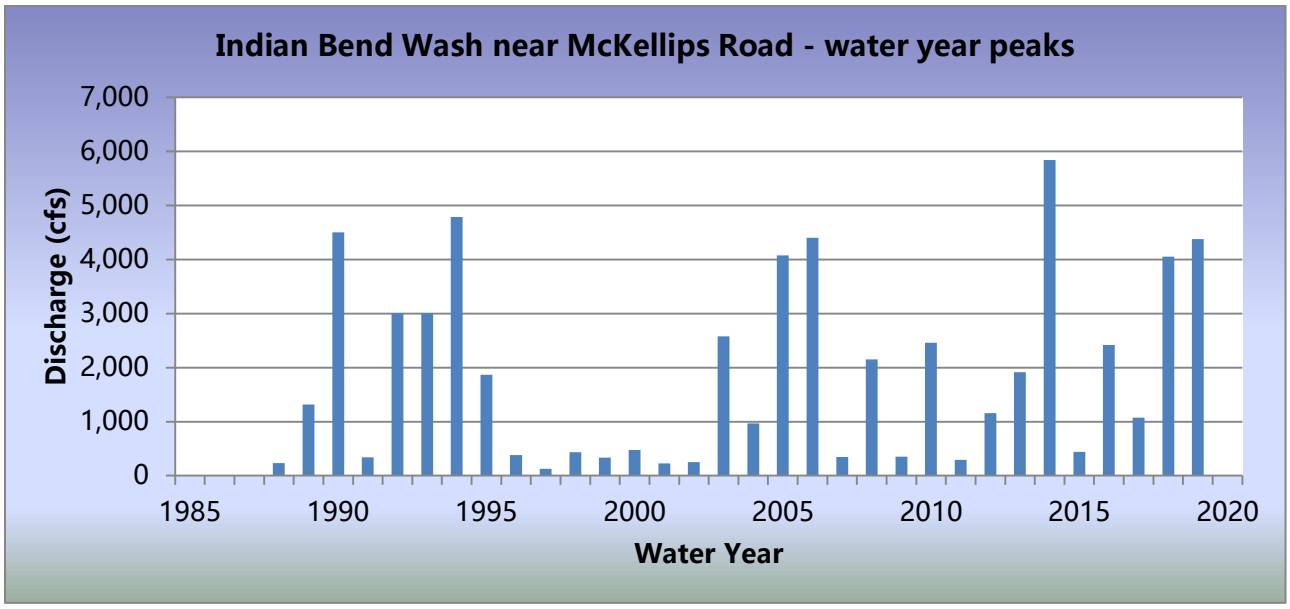


Site Data

LOCATION	About 1/3 mile south of McKellips Road
DRAINAGE AREA	101 mi^2
STREAM TYPE	Channelized Natural Ephemeral Stream
JURISDICTION	Tempe, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S11 T1N R4E
LATITUDE	N 33° 26' 57.2" | +33.44923
LONGITUDE	W 111° 54' 53.3" | -111.91482
STREAMGAGE INSTALLATION DATE	05/21/1985 - WY 1985
AVAILABLE PERIOD OF RECORD (POR)	11/10/1987 - Current
LENGTH OF AVAILABLE POR DATA	31.89 Years | 11,648 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,173.84 feet Gage NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,841 cfs | 6.90 feet | 09/08/2014

Watershed Map

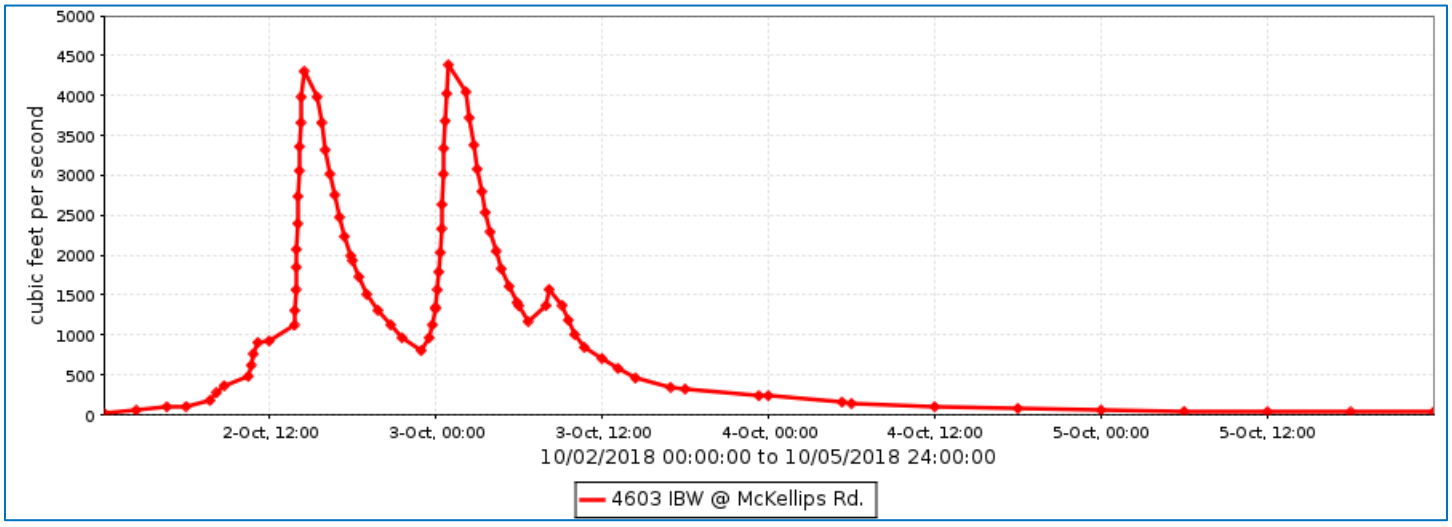




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	6.22	4,812
10/03/2018	6.28	4,899
10/08/2018	1.20	152
10/13/2018	1.76	369
02/22/2019	1.97	484
08/28/2019	1.01	125
09/24/2019	3.04	1,101

Hydrograph of peak WY 2019 flow event, 10/03/2018



Flood Flow Frequency

Flood Flow Frequency N=32, HEC-WRC computation (based on 32 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,120	**2,940**	**4,770**	**7,080**	**10,900**	**14,500**

NOTE: These results are based on limited data.

Indian Bend Wash near McKellips Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	1	9	5	5	10	2	1	1	11		
2	1058	1	9	5	5	10	1	1	1	11		1
3	1229	1	8	5	10	10	1	1	1	12		3
4	139	1	8	4	10	10	1	1	1	12		10
5	41	1	8	5	9	9	1	1	1	13		1
6	25	1	8	23	9	7	1	1	1	13		
7	53	1	8	32	8	4	1	1	1	9		
8	108	1	15	33	7	4	1	1	1	11		1
9	37	1	29	49	7	4	1	1	1	7		10
10	19	1	31	48	7	3	1	1		6		55
11	14	1	9	35	6	3	1	1		8		75
12	11	1	8	26	6	11	1	1		1		29
13	163	1	---	17	6	13	1	1				21
14	210	1	---	10	6	23	1	1	1			15
15	47	1	---	13	6	20	1	1	1	1		17
16	26	1	---	18	6	5	1	1	40	4		45
17	23	1	7	17	6	5	1	1	23			26
18	17	1	6	11	6	5	1	1	20			26
19	18	1	6	9	5	4	1	1	19			27
20	17	---	6	8	5	4	1	1	18			23
21	16	---	6	8	23	4	1	1	17			20
22	17	---	6	7	348	4	1	1	15			20
23	20	---	6	7	177	3	1	3	13	1		99
24	17	---	6	7	---	3	1	3	12	37		685
25	1	---	5	6	39	2	1	2	11	44		239
26	1	1	6	---	30	3	1	2	12	42		130
27	1	1	5	---	10	3	1	1	11	23		105
28	1	1	5	5	10	3	1	1	10	21	6	112
29	1	1	5	5	---	3	1	1	10	17	3	93
30	---	13	5	5	---	3	1	1	10			49
31	1	---	5	5	---	2	---	1	---			---
TOTAL	3337	33	264	443	955	198	25	32	247	303	12	1937
MEAN	108	1	9	14	34	6	1	1	8	10	0	65
MAX	4379	24	32	57	481	47	2	3	75	63	125	1101
MIN	0	0	4	4	4	2	0	0	0	0	0	0
AC_FT	6619	66	524	878	1894	393	49	63	491	601	24	3842

WTR YR 2019 TOTAL 7787 MEAN 21 MAX 4379 MIN 0 AC_FT 15444

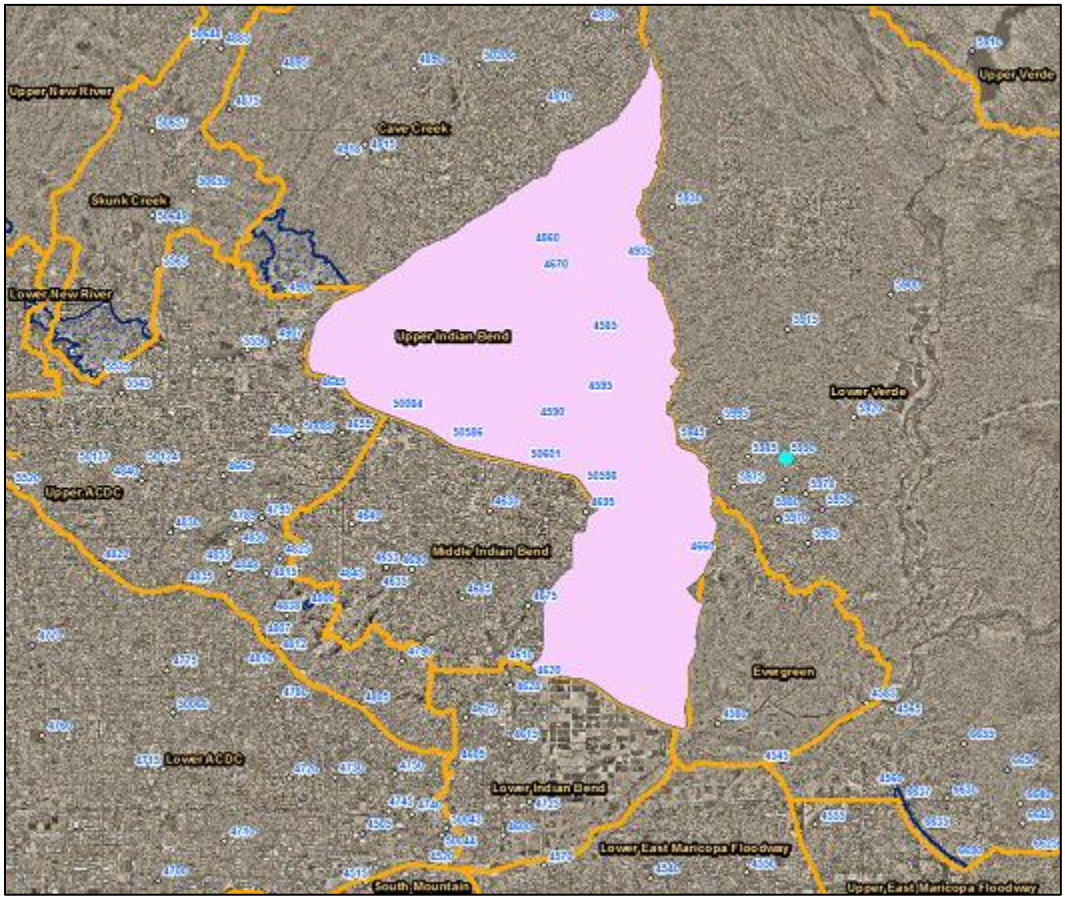
Indian Bend Wash Interceptor Channel – ID #4623

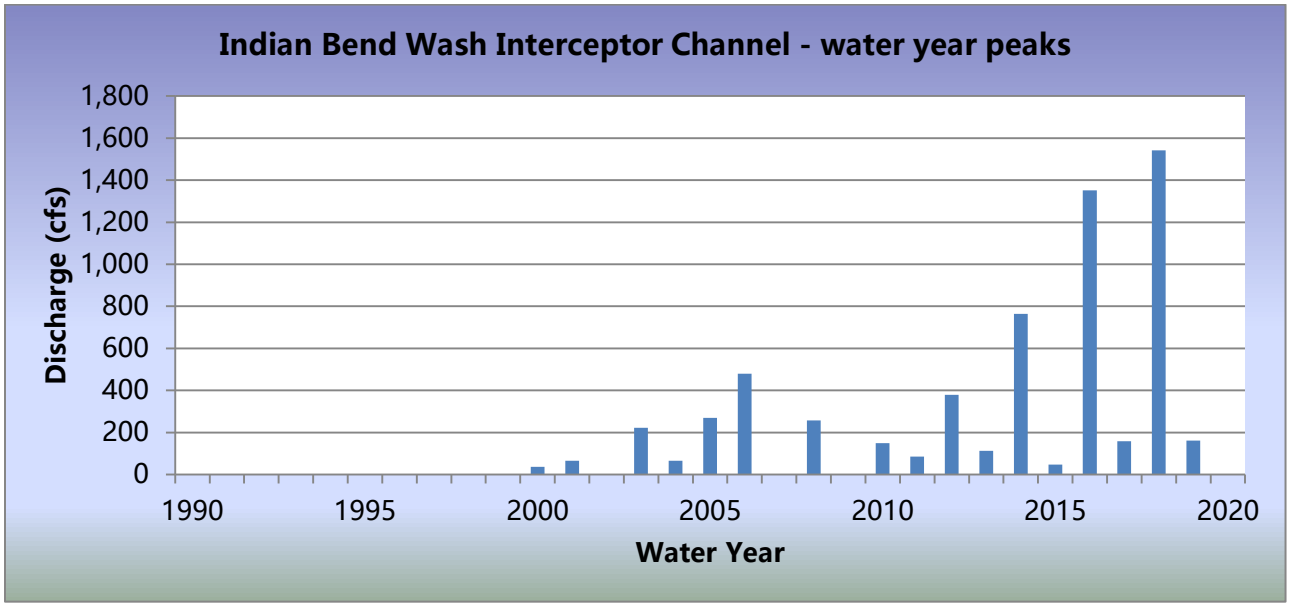


Site Data

LOCATION	Between Pima and Hayden Roads north of the Arizona Canal
DRAINAGE AREA	35 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S12 T2N R4E
LATITUDE	N 33° 31' 59.4" | +33.53317
LONGITUDE	W 111° 53' 52.4" | -111.89789
STREAMGAGE INSTALLATION DATE	04/21/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	04/21/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.45 Years | 9,249 Days
DATA GAPS IN POR	06/16/1999 - 01/11/2000
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,271.46 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,542 cfs | 5.78 feet | 08/11/2018

Watershed Map

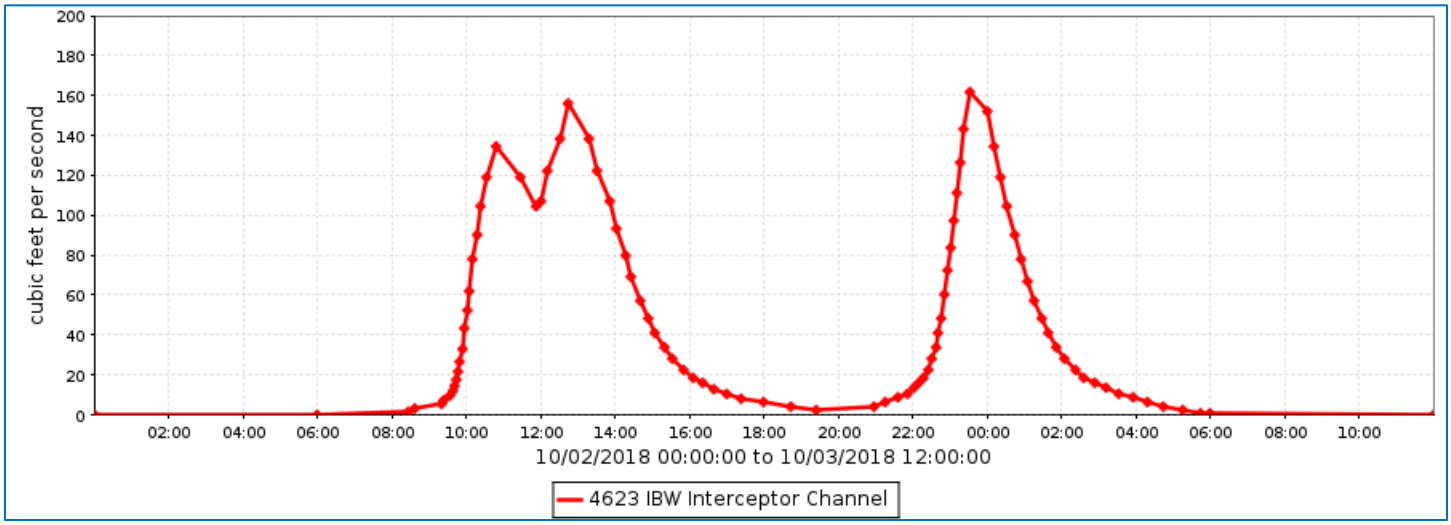




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	2.24	221
10/02/2018	2.21	216
02/22/2019	1.09	75
09/23/2019	1.68	77

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
57	**320**	**756**	**1,510**	**3,200**	**5,210**

NOTE: These results are based on limited data.

Indian Bend Wash Interceptor Channel, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	34											
3	9											
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22					7							
23												10
24												5
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	44	0	0	0	8	0	0	0	0	0	0	15
MEAN	1	0	0	0	0	0	0	0	0	0	0	1
MAX	162	0	0	0	28	0	0	0	0	0	0	77
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	87	0	0	0	15	0	0	0	0	0	0	30

WTR YR 2019 TOTAL 67 MEAN 0 MAX 162 MIN 0 AC_FT 133

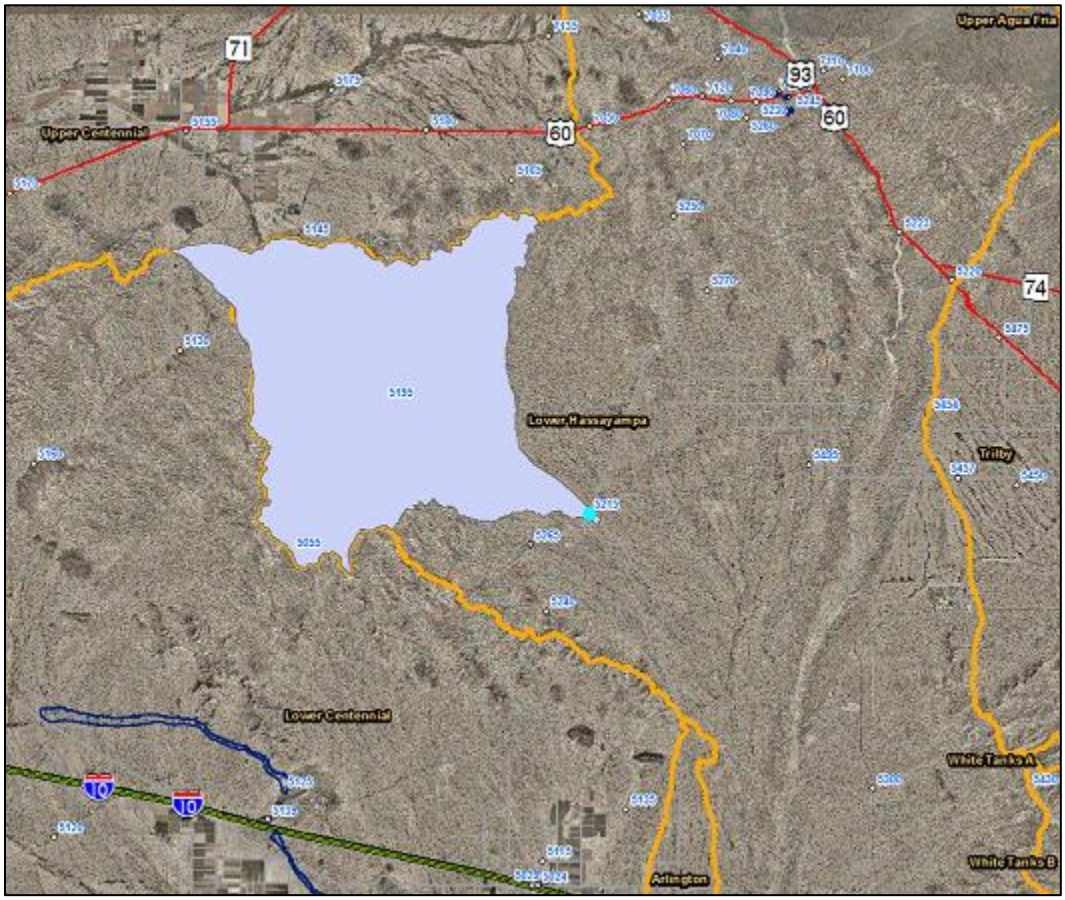
Jackrabbit Wash, ID #5218

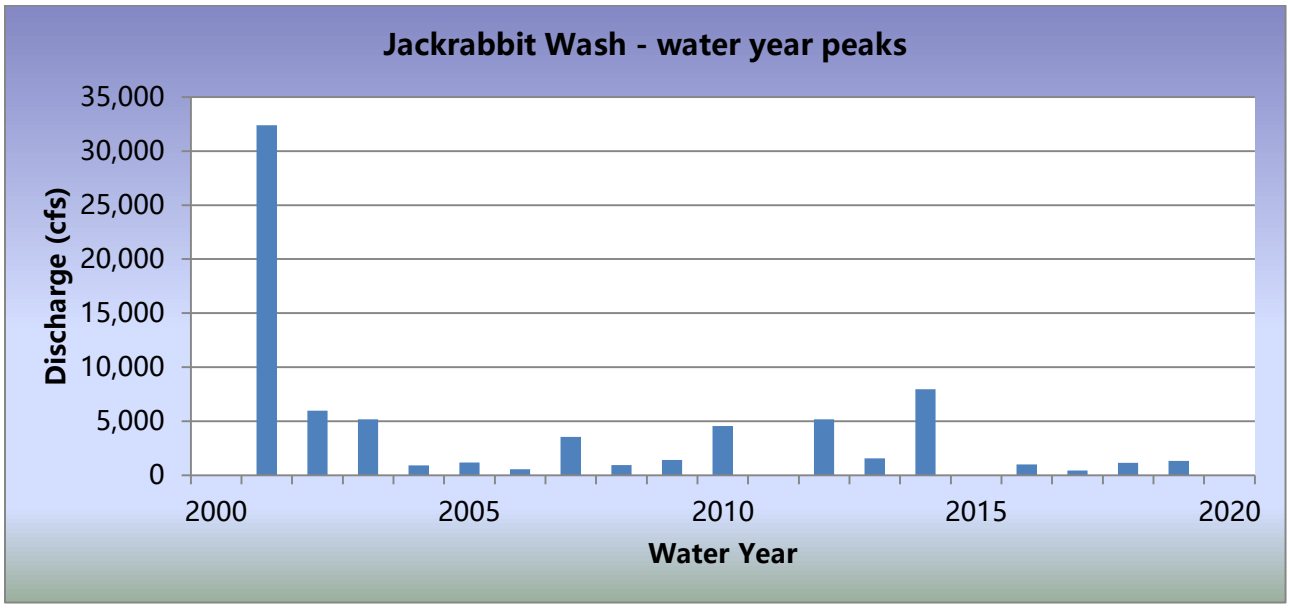


Site Data

LOCATION	Located near the intersection of Vulture Mine and Wickenburg Roads
DRAINAGE AREA	120 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S04 T4N R6W
LATITUDE	N 33° 42' 55.6" | +33.71543
LONGITUDE	W 112° 52' 54.4" | -112.88179
STREAMGAGE INSTALLATION DATE	10/31/2000 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	10/31/2000 - Current
LENGTH OF AVAILABLE POR DATA	18.92 Years | 6,909 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.30 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,700.28 feet NAVD88
POINT OF ZERO FLOW	0.7 feet Gage Height
EXTREME FOR PERIOD OF RECORD	7,974 cfs | 6.18 feet | 09/09/2014
EXTREME OUTSIDE PERIOD OF RECORD	32,400 cfs | 9.90 feet | 10/27/2000

Watershed Map

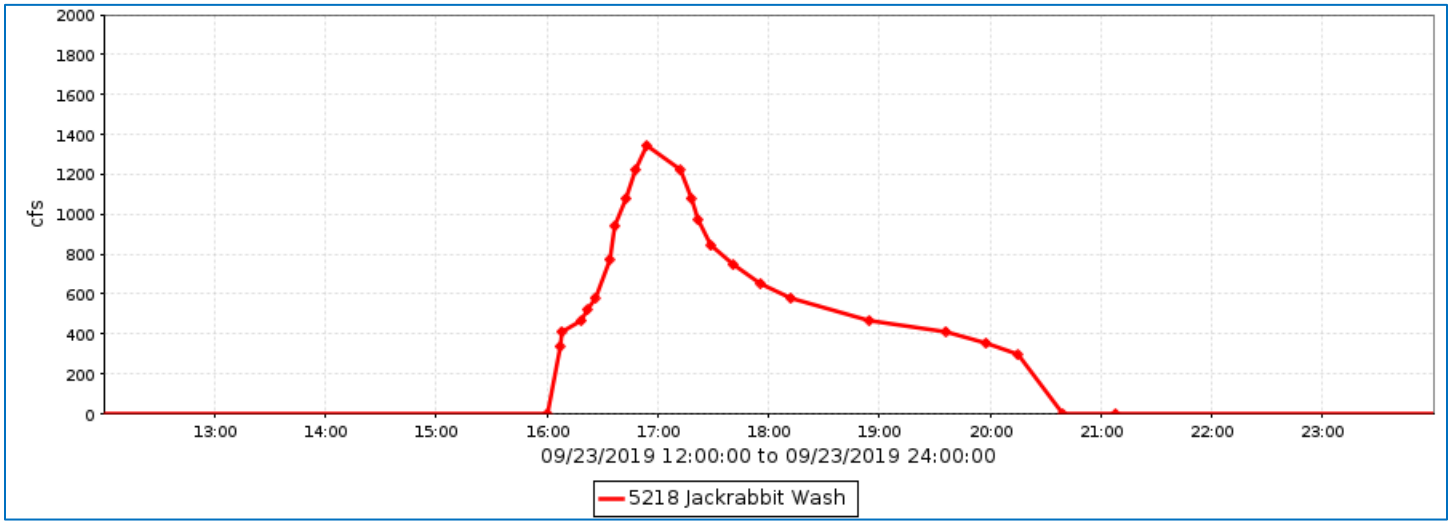




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/13/2018	2.61	451
09/23/2019	3.61	1,345

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=46, HEC-WRC computation (based on 46 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,040	**4,660**	**9,390**	**16,000**	**28,100**	**39,800**

NOTE: These results are based on limited data.

Jackrabbit Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												---
6												
7												
8												
9												---
10								---				---
11								---				
12								---				
13	12											
14												
15								---			---	
16											---	
17								---			---	
18								---			---	
19								---				
20												---
21												---
22											---	---
23											---	164
24												
25												
26												
27												
28												
29		2			---							
30					---							
31		---			---		---		---			---
TOTAL	12	2	0	0	0	0	0	0	0	0	0	121
MEAN	0	0	0	0	0	0	0	0	0	0	0	4
MAX	451	765	0	0	0	0	0	0	0	0	0	1345
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	24	4	0	0	0	0	0	0	0	0	0	240

WTR YR 2019 TOTAL 135 MEAN 0 MAX 1345 MIN 0 AC_FT 268

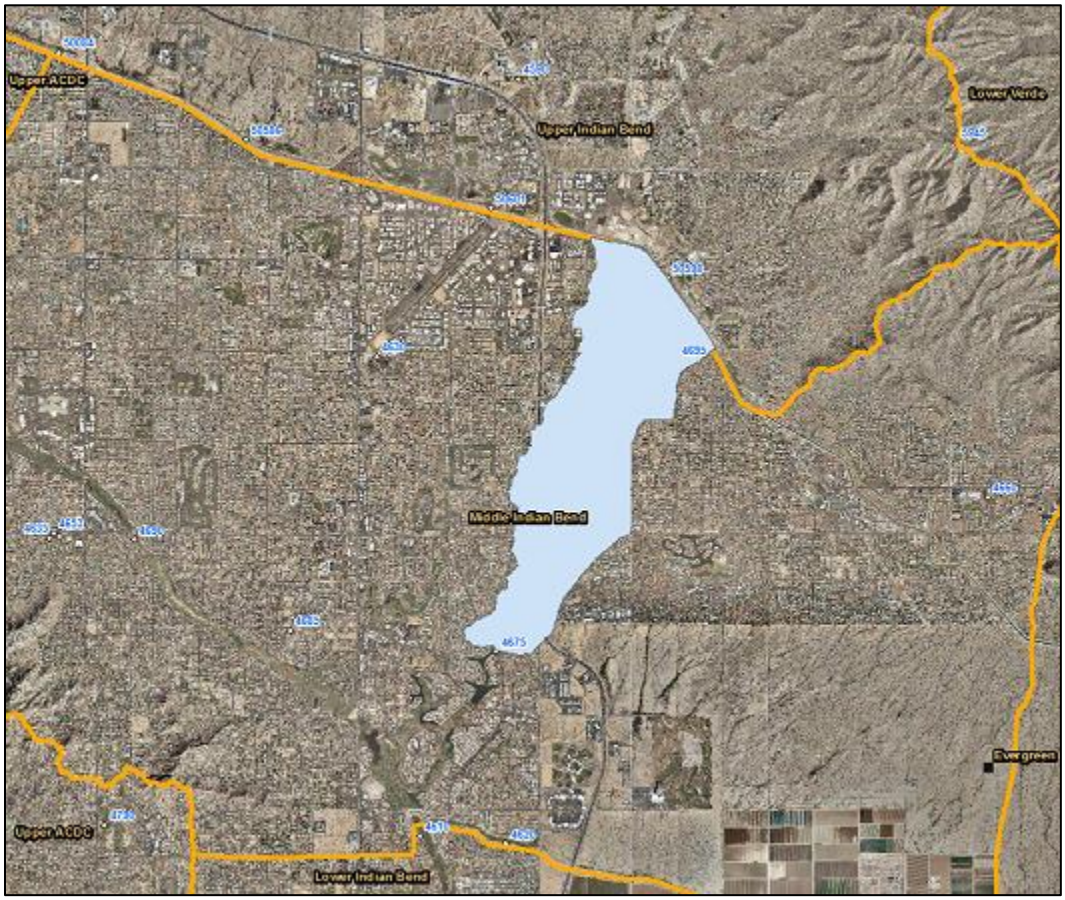
Lake Margherite – ID #4678

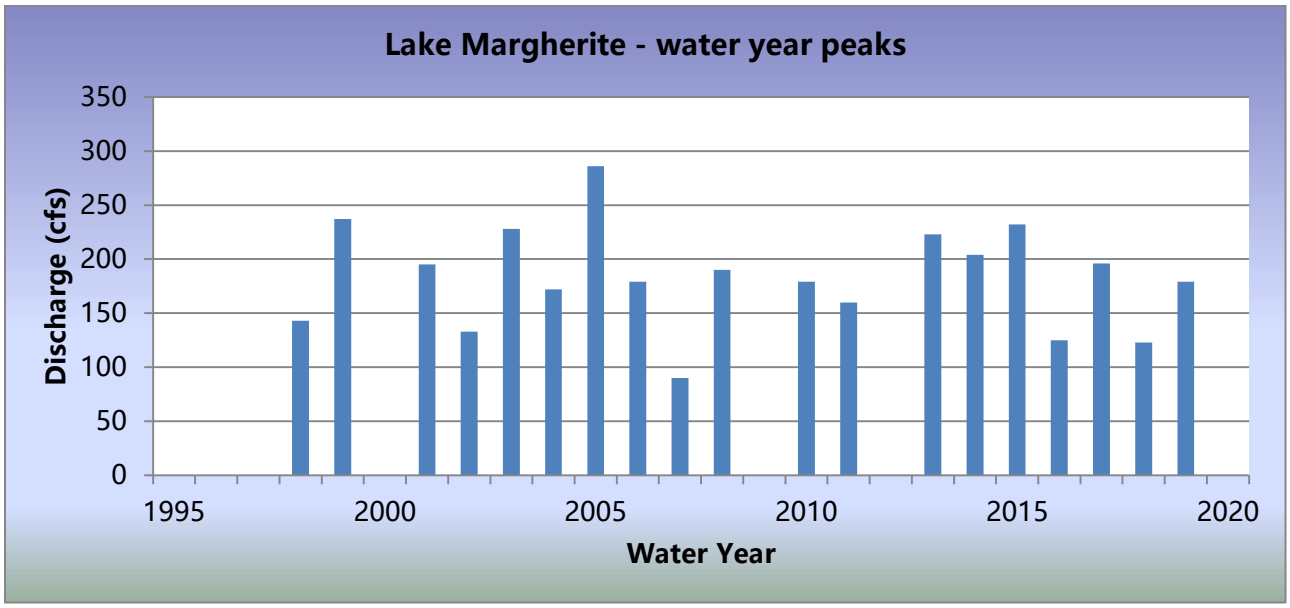


Site Data

LOCATION	On Hayden Road about 1/4 mile south of Via Linda
DRAINAGE AREA	4.91 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S36 T3N R4E
LATITUDE	N 33° 33' 49.2" | +33.56367
LONGITUDE	W 111° 53' 59.0" | -111.89972
STREAMGAGE INSTALLATION DATE	11/24/1997 - WY 1998
AVAILABLE PERIOD OF RECORD (POR)	11/24/1997 - Current
LENGTH OF AVAILABLE POR DATA DATA	21.85 Years | 7,981 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.80 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,320.80 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	286 cfs | 2.03 feet | 08/02/2005

Watershed Map

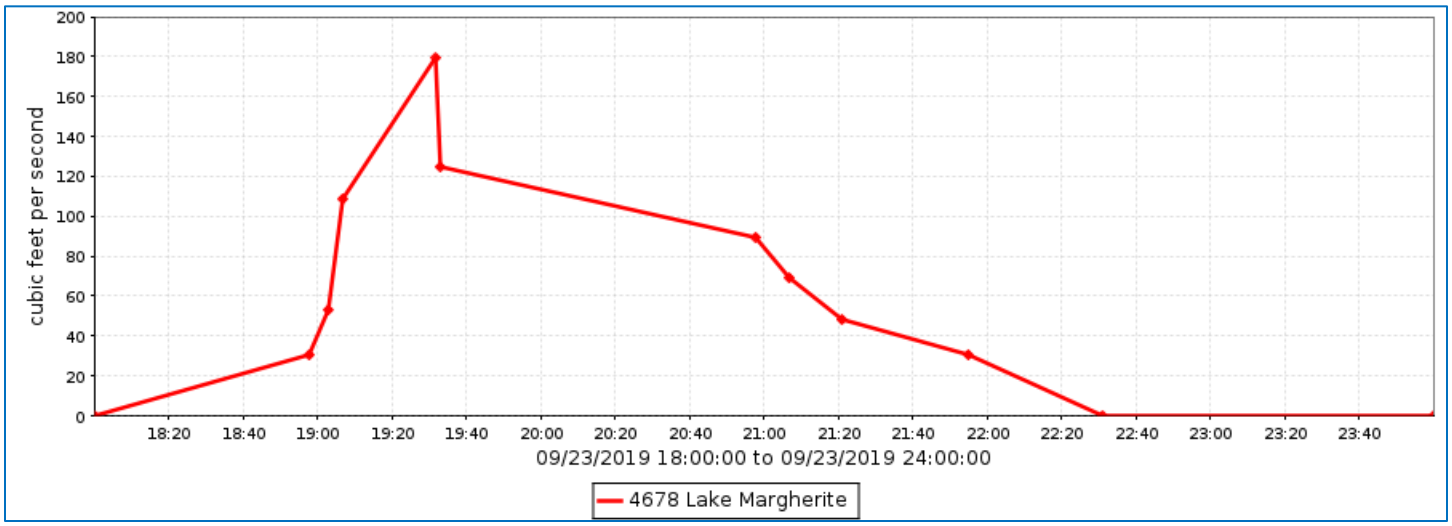




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.22	146
02/22/2019	1.02	105
03/12/2019	0.94	94
09/23/2019	1.57	179

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Unavailable at this time.

Lake Margherite, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2											
3												
4												
5												
6												
7										5		
8												
9												
10												
11												
12						1						
13												
14												
15												
16												
17												
18												
19												
20												
21												
22					4							
23												13
24												
25												
26												
27												
28											1	
29					---							
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	4	1	0	0	0	5	1	13
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	73	0	0	0	45	33	0	0	0	20	31	179
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	5	0	0	0	8	1	0	0	0	10	1	25

WTR YR 2019 TOTAL 25 MEAN 0 MAX 179 MIN 0 AC_FT 50

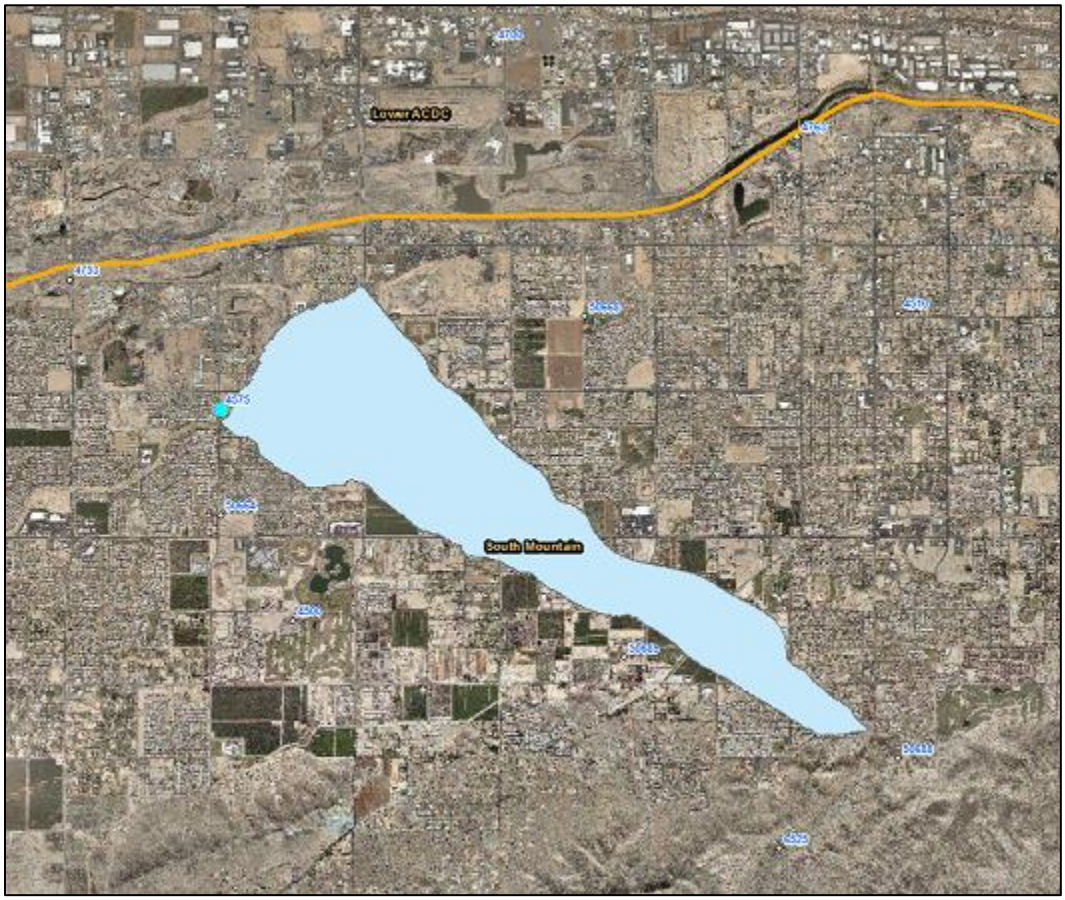
Laveen Basin, ID #4578

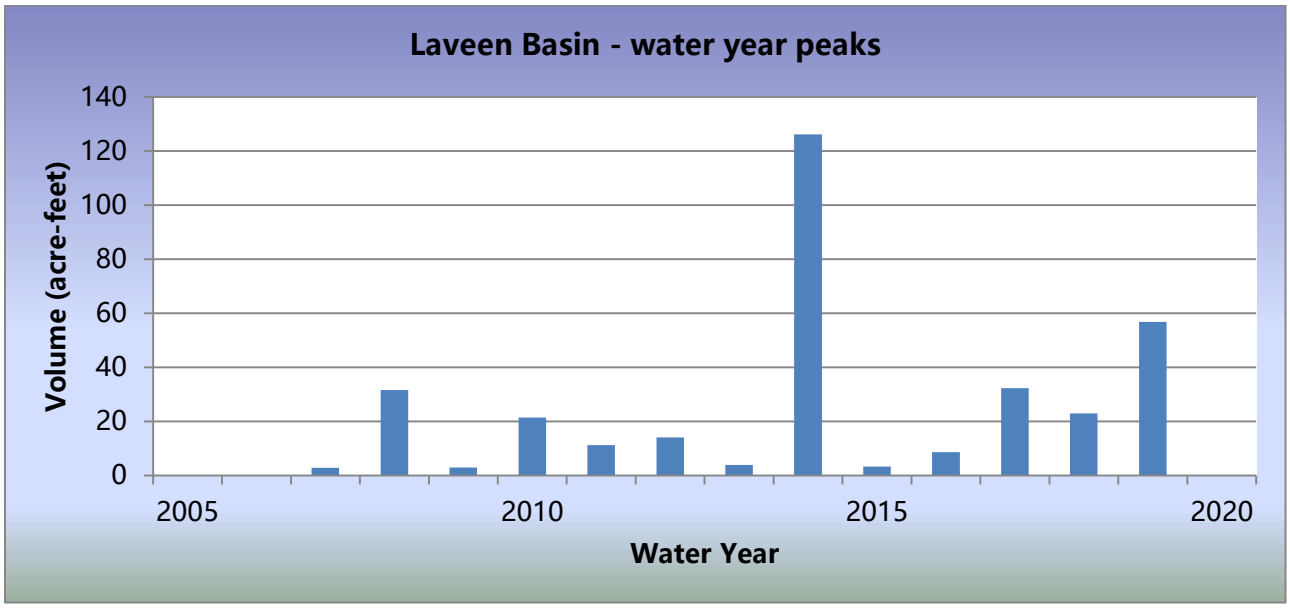


Site Data

LOCATION	Located near 43rd Avenue and Southern Avenue
DRAINAGE AREA	Not Determined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S34 T1N R2E
LATITUDE	N 33° 23' 25.2" | +33.39033
LONGITUDE	W 112° 09' 02.6" | -112.15072
STREAMGAGE INSTALLATION DATE	11/07/2006 - WY 2007
AVAILABLE PERIOD OF RECORD (POR)	11/07/2006 - Current
LENGTH OF AVAILABLE POR DATA	12.90 Years | 4,711 Days
DATA GAPS IN POR	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.20 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,003.12 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	20.0 feet Gage Height
TOP OF BASIN ELEVATION	21.2 feet Gage Height

Watershed Map

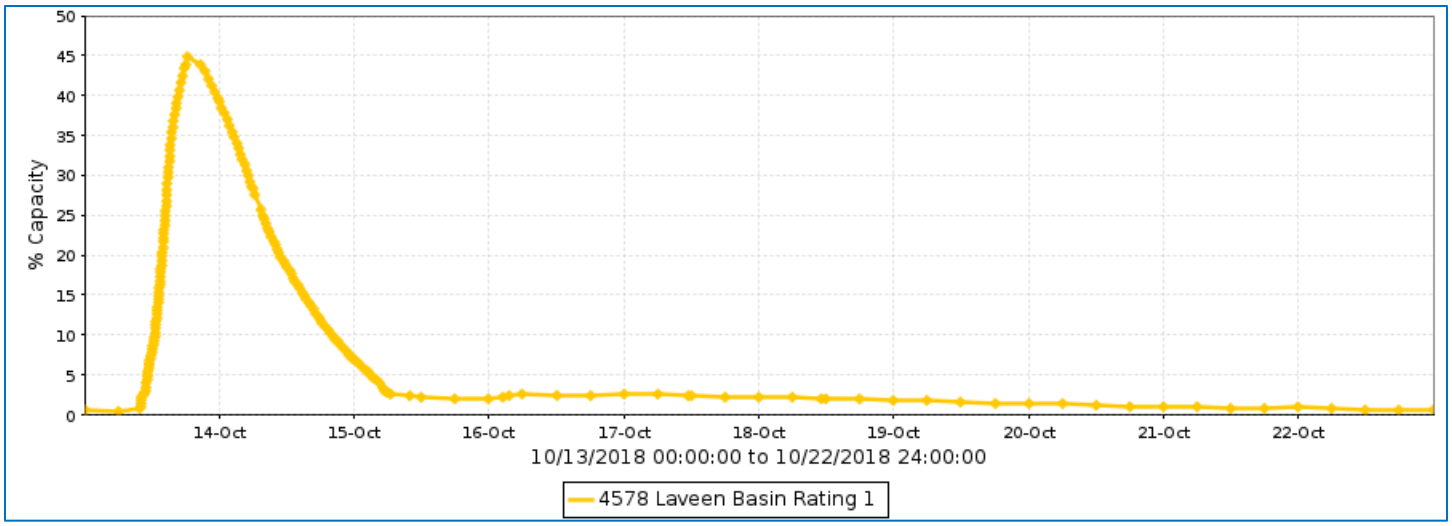




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	7.05	19.7	15.5
10/13/2018	12.78	56.8	44..7
01/07/2019	1.67	0.4	0.3
02/23/2019	3.09	4.7	3.7
03/12/2019	1.72	0.5	0.4
07/24/2019	0.62	0.0	0.0
08/29/2019	2.14	1.6	1.3
09/26/2019	2.11	1.5	1.2

Hydrograph of peak WY 2019 impoundment event, 10/13/2018



Laveen Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6	2				6						7
2	11	1				3						5
3	12					1						2
4	12					1						
5	10					1						
6	9			1		1						
7	9			2								
8	9			1								
9	8											
10	8											
11	7											
12	6											
13	9											
14	12											
15	9											
16	9											
17	9											
18	8											
19	7											
20	7											
21	7				1							
22	6				9							
23	7				10							
24	8				10							
25	8				9							
26	7				8							5
27	8				7							7
28	7				7							4
29	7				---						7	1
30	6				---						7	
31	5	---			---		---		---		7	---
TOTAL	253	3	0	5	61	12	0	0	0	0	21	32
MEAN	8	0	0	0	2	0	0	0	0	0	1	1
MAX	12	3	0	2	10	6	0	0	0	0	7	7
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	501	7	0	9	121	24	0	0	0	0	41	63

WTR YR 2019 TOTAL 386 MEAN 1 MAX 12 MIN 0 AC_FT 766

Laveen Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2					1						1
2	12											1
3	15											
4	8											
5	5											
6	3											
7	4											
8	4											
9	3											
10	2											
11	2											
12	1											
13	23											
14	26											
15	4											
16	3											
17	3											
18	3											
19	2											
20	2											
21	1											
22	1				4							
23	1				5							
24	2				4							
25	2				3							
26	2				3							1
27	2				2							1
28	2				1							1
29	1				---						1	
30	1				---						1	
31	1	---			---		---		---		1	---
MEAN	5	0	0	0	1	0	0	0	0	0	0	0
MAX	57	0	0	0	5	1	0	0	0	0	2	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 1 MAX 57 MIN 0

Laveen Basin, stage data

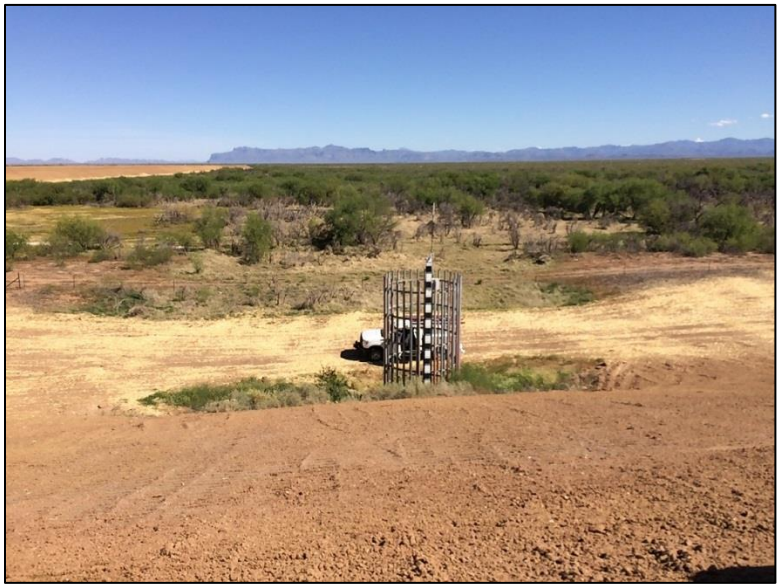
Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	1.6	1.0	0.2	0.2	1.9	0.2	0.2	0.2	0.2	0.2	2.0
2	5.1	1.5	1.0	0.2	0.2	1.7	0.2	0.2	0.2	0.2	0.2	1.8
3	6.0	1.4	0.9	0.2	0.6	1.6	0.2	0.2	0.2	0.2	0.2	1.6
4	4.1	1.3	0.9	0.2	0.6	1.5	0.2	0.2	0.2	0.2	0.2	1.4
5	3.1	1.2	0.9	0.2	0.6	1.6	0.2	0.2	0.2	0.2	0.2	1.3
6	2.6	1.1	0.9	1.4	0.9	1.5	0.2	0.2	0.2	0.2	0.2	1.2
7	2.8	1.1	0.9	1.7	0.9	1.4	0.2	0.2	0.2	0.2	0.2	1.2
8	2.8	1.1	0.9	1.6	0.9	1.1	0.2	0.2	0.2	0.2	0.2	1.2
9	2.6	1.1	0.9	1.5	0.9	0.3	0.2	0.2	0.2	0.2	0.2	1.1
10	2.4	1.0	0.8	1.4	0.8	0.2	0.2	0.2	0.2	0.2	0.2	1.0
11	2.1	1.1	0.8	1.3	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.9
12	1.9	1.1	0.8	0.6	0.8	0.9	0.2	0.2	0.2	0.2	0.2	0.8
13	6.6	1.1	0.8	0.4	0.8	1.2	0.2	0.2	0.2	0.2	0.2	0.6
14	8.1	1.0	0.8	0.2	0.7	1.1	0.2	0.2	0.2	0.2	0.2	0.2
15	2.8	1.0	0.7	0.3	0.8	1.1	0.2	0.2	0.2	0.2	0.2	0.2
16	2.6	1.0	0.7	0.4	0.8	1.0	0.2	0.2	0.2	0.2	0.2	0.2
17	2.6	0.9	0.7	0.2	0.8	1.0	0.2	0.2	0.2	0.2	0.2	0.2
18	2.4	0.9	0.7	0.2	0.8	0.9	0.2	0.2	0.2	0.2	0.2	0.2
19	2.3	0.9	0.7	0.2	0.8	0.9	0.2	0.2	0.2	0.2	0.2	0.2
20	2.1	0.9	0.7	0.2	0.8	0.8	0.2	0.2	0.2	0.2	0.2	0.2
21	2.0	0.8	0.7	0.2	1.0	0.8	0.2	0.2	0.2	0.2	0.2	0.2
22	1.9	0.8	0.6	0.2	2.9	0.8	0.2	0.2	0.2	0.2	0.2	0.2
23	2.0	0.8	0.6	0.2	3.1	0.7	0.2	0.2	0.2	0.2	0.2	0.3
24	2.4	0.8	0.6	0.2	3.0	0.7	0.2	0.2	0.2	0.2	0.2	1.1
25	2.3	1.0	0.6	0.2	2.7	0.2	0.2	0.2	0.2	0.2	0.2	1.1
26	2.2	0.9	0.6	0.2	2.5	0.2	0.2	0.2	0.2	0.2	0.2	1.9
27	2.3	0.9	0.4	0.2	2.3	0.2	0.2	0.2	0.2	0.2	0.2	2.0
28	2.2	0.9	0.2	0.2	2.0	0.2	0.2	0.2	0.2	0.2	0.3	1.8
29	2.0	0.9	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	2.1	1.5
30	1.9	0.9	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	2.1	1.2
31	1.8	---	0.2	0.2	---	0.2	---	0.2	---	0.2	2.0	---
MEAN	2.9	1.0	0.7	0.5	1.2	0.8	0.2	0.2	0.2	0.2	0.4	1.0
MAX	12.8	1.7	1.0	1.7	3.1	1.9	0.2	0.2	0.2	0.6	2.1	2.1
MIN	1.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.77 MAX 12.78 MIN 0.20

Magma FRS, ID #6718

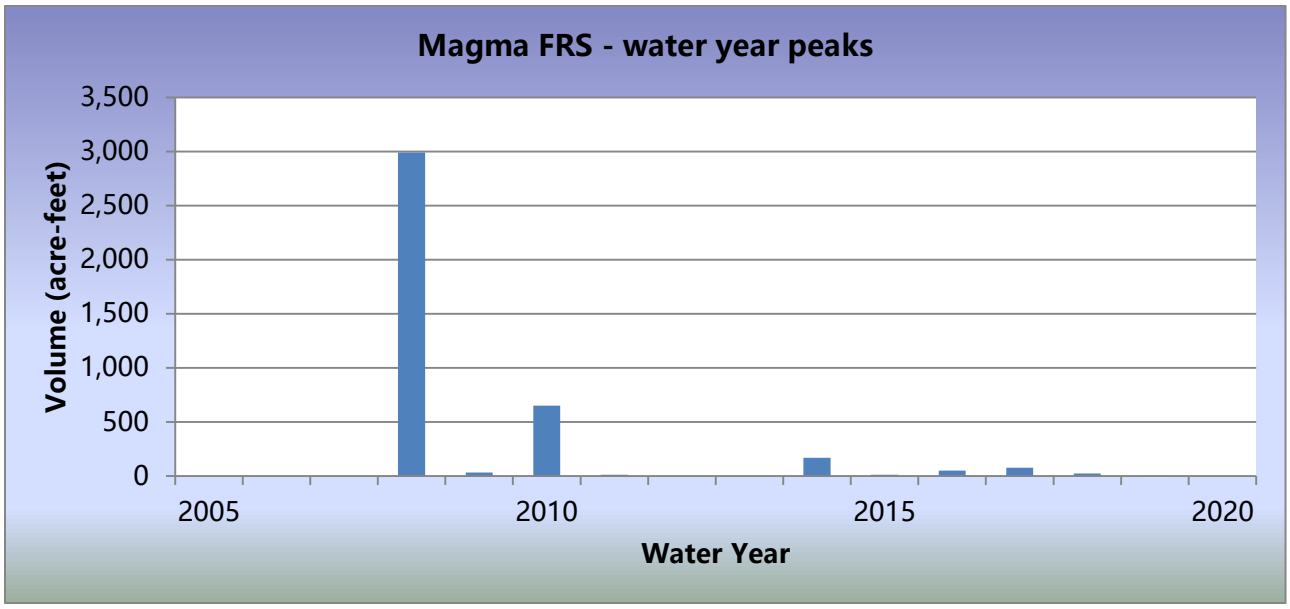


Site Data

LOCATION	Located east of Hunt Highway along Arizona Farms Road
DRAINAGE AREA	20.6 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Florence, Arizona
WATERSHED	Gila / Queen Creek
SECTION/TOWNSHIP/RANGE	S35 T3S R9E
LATITUDE	N 33° 07' 11.2" | +33.11978
LONGITUDE	W 111° 24' 08.9" | -111.40248
STREAMGAGE INSTALLATION DATE	11/15/2007 - WY 2008
AVAILABLE PERIOD OF RECORD (POR)	11/15/2007 - Current Day
LENGTH OF AVAILABLE POR RECORD	11.88 Years | 4,338 Days
DATA GAPS IN POR	04/12/2012 - 11/03/2013
STAGE GAGE ELEVATION	1,601.40 feet NAVD88
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,601.00 feet NAVD88
POINT OF ZERO FLOW	1,601.50 feet NAVD88
SPILLWAY ELEVATION	1,623.20 feet NAVD88
TOP OF DAM ELEVATION	1,628.30 feet NAVD88
NORMAL DRAWDOWN RATE	-0.25 feet per hour

Watershed Map

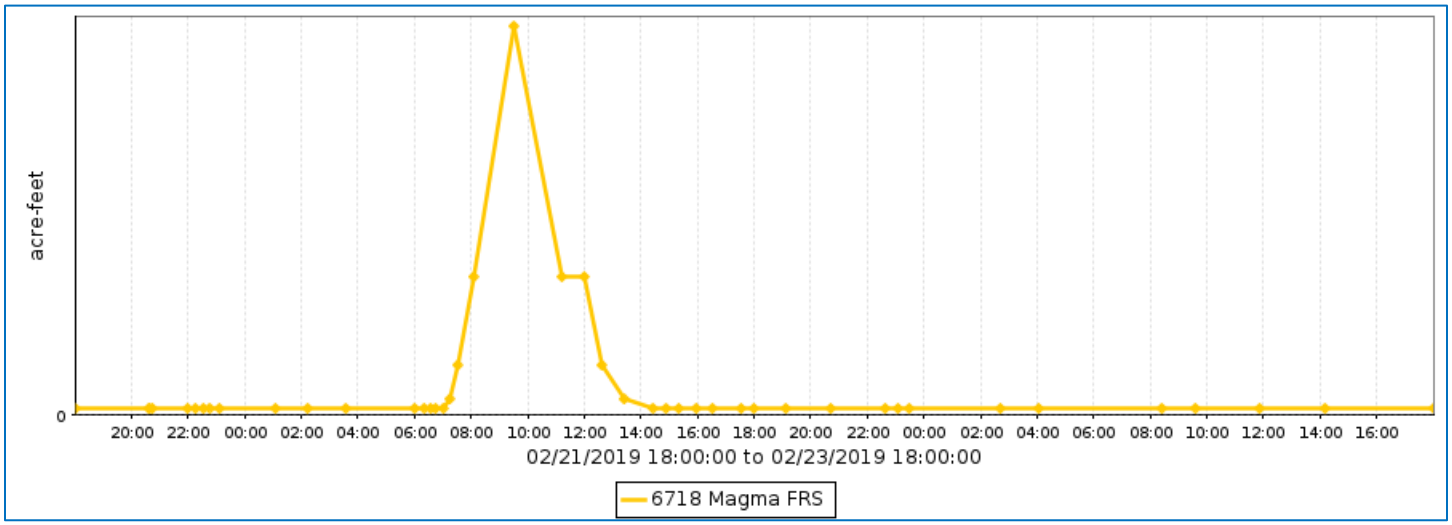




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/14/2018	2.31	0.0	0.0
02/22/2019	3.19	0.3	0.0

Hydrograph of peak WY 2019 impoundment event, 02/22/2019



Magma FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9	---											
10	---											
11												
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20												
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22					3							
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25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	3	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	1	0	0	0	11	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	6	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 3 MEAN 0 MAX 11 MIN 0 AC_FT 6

Magma FRS, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
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10	---											
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29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 0 MIN 0

Magma FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	1.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1
MAX	1.7	0.1	0.1	0.1	2.5	0.1	0.1	0.3	0.1	0.1	0.1	0.1
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.16 MAX 2.54 MIN 0.15

Martinez Creek, ID #7013

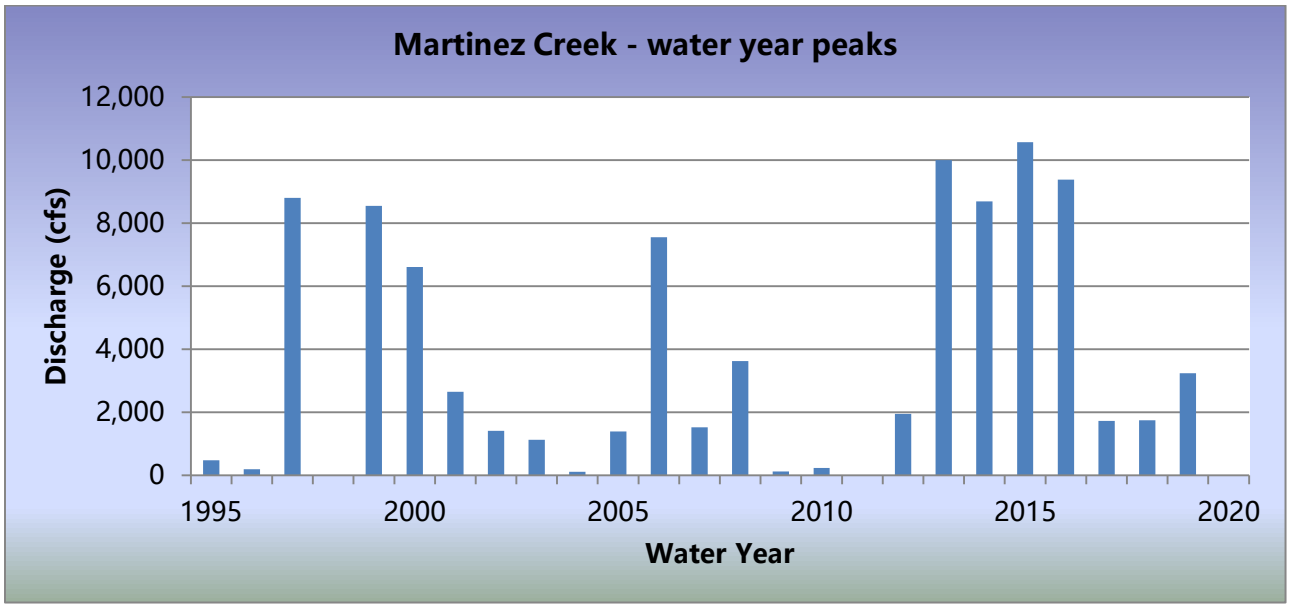


Site Data

LOCATION	About a mile northwest of the Scenic Loop Road and US 93 intersection
DRAINAGE AREA	105 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S20 T8N R5W
LATITUDE	N 34° 01' 41.8" | +34.02828
LONGITUDE	W 112° 47' 32.1" | -112.79224
STREAMGAGE INSTALLATION DATE	11/23/1994 - WY 1995
AVAILABLE PERIOD OF RECORD (POR)	11/23/1994 - Current
LENGTH OF AVAILABLE POR DATA	24.85 Years | 9,078 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.80 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	2,305.96 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	10,562 cfs | 11.42 feet | 07/18/2015

Watershed Map

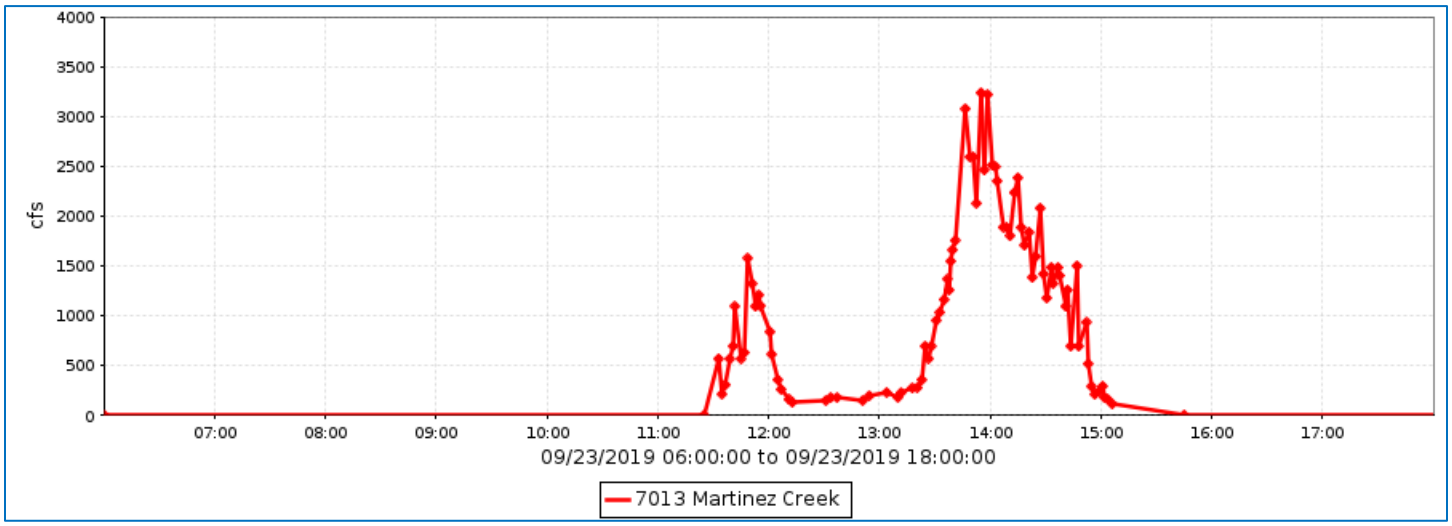




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/14/2018	5.82	2,508
09/23/2019	6.49	3,237
09/25/2019	4.40	1,200
09/26/2019	5.00	1,703

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=25, HEC-WRC computation (based on 25 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,850	**3,640**	**11,300**	**17,800**	**28,500**	**38,300**

NOTE: These results are based on limited data.

Martinez Creek, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14	91											
15												
16												
17												
18												
19												
20												
21												
22												
23												137
24												
25												31
26	---											42
27	---											
28	---											
29					---							
30					---							
31		---			---		---		---			---
TOTAL	91	0	0	0	0	0	0	0	0	0	0	210
MEAN	3	0	0	0	0	0	0	0	0	0	0	7
MAX	2508	0	0	0	0	0	0	0	0	0	0	3237
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	180	0	0	0	0	0	0	0	0	0	0	417

WTR YR 2019 TOTAL 301 MEAN 1 MAX 3237 MIN 0 AC_FT 597

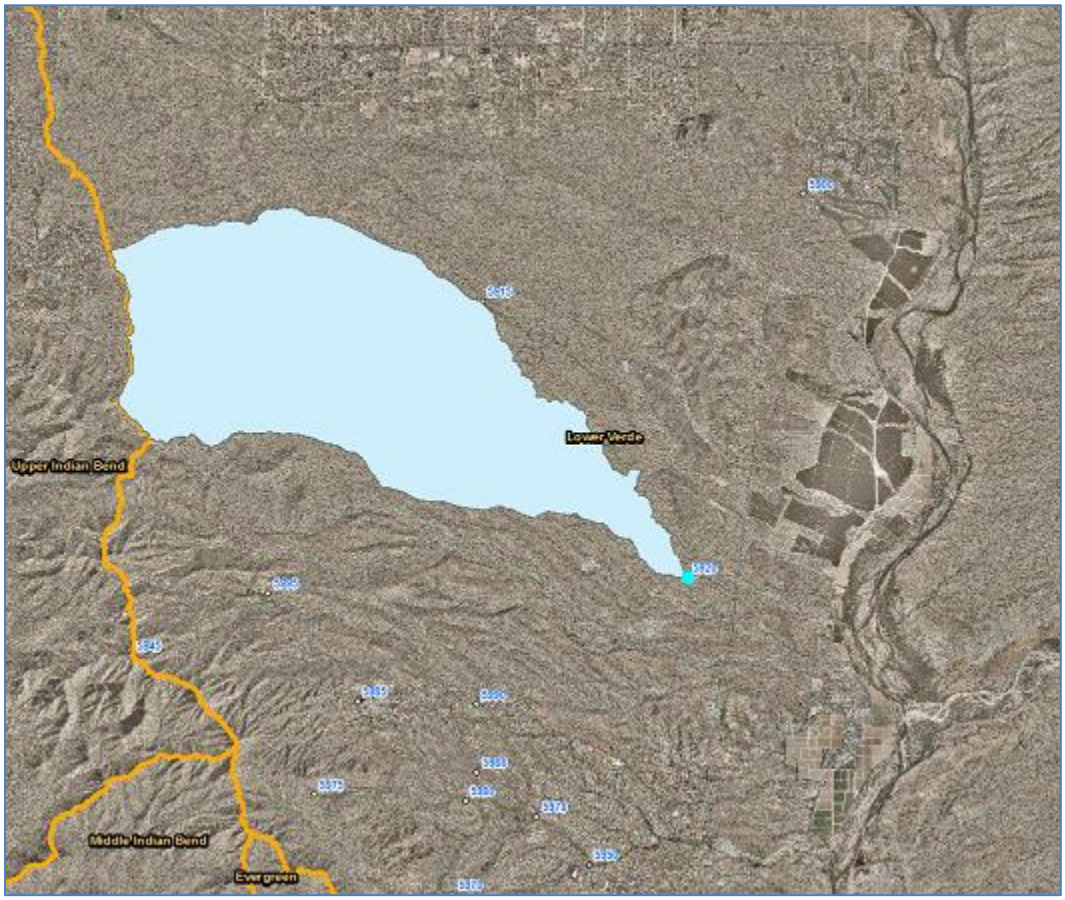
McDowell Mountain Road, ID #5923

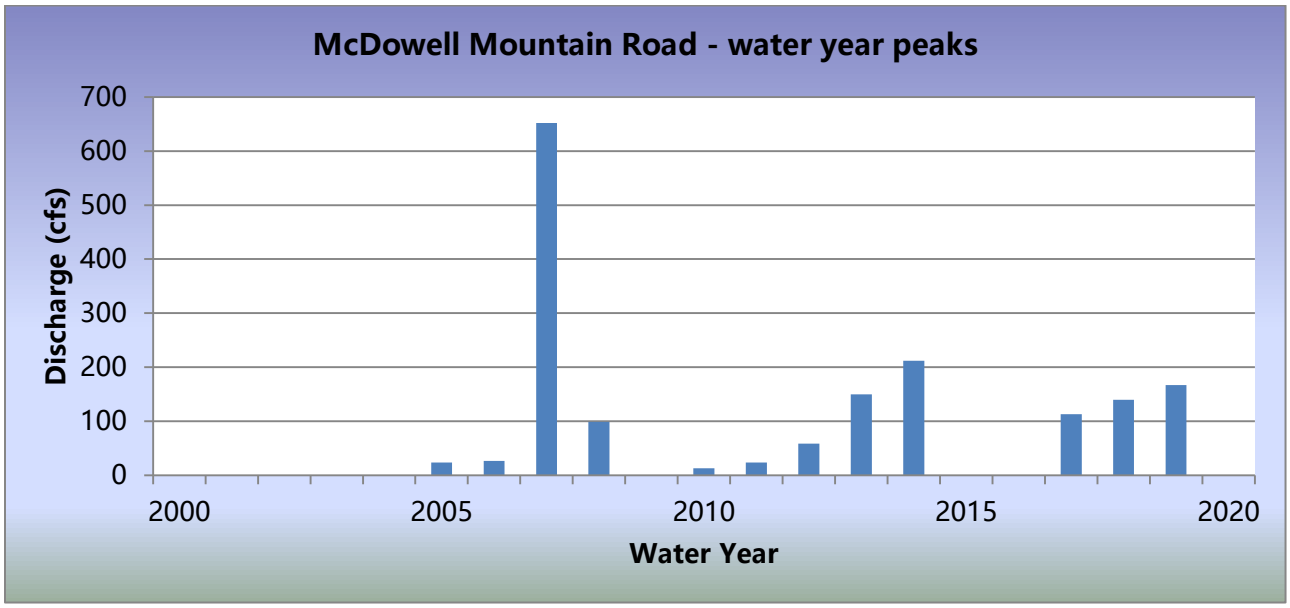


Site Data

LOCATION	Located in the southeast part of McDowell Mountain Park
DRAINAGE AREA	11.9 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S26 T4N R6E
LATITUDE	N 33° 39' 24.1" | +33.65667
LONGITUDE	W 111° 42' 22.8" | -111.70634
STREAMGAGE INSTALLATION DATE	05/18/2004 - WY 2004
AVAILABLE PERIOD OF RECORD (POR)	05/18/2004 - Current
LENGTH OF AVAILABLE POR DATA	15.37 Years | 5,614 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,629.69 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	652 cfs | 1.77 feet | 07/23/2007

Watershed Map

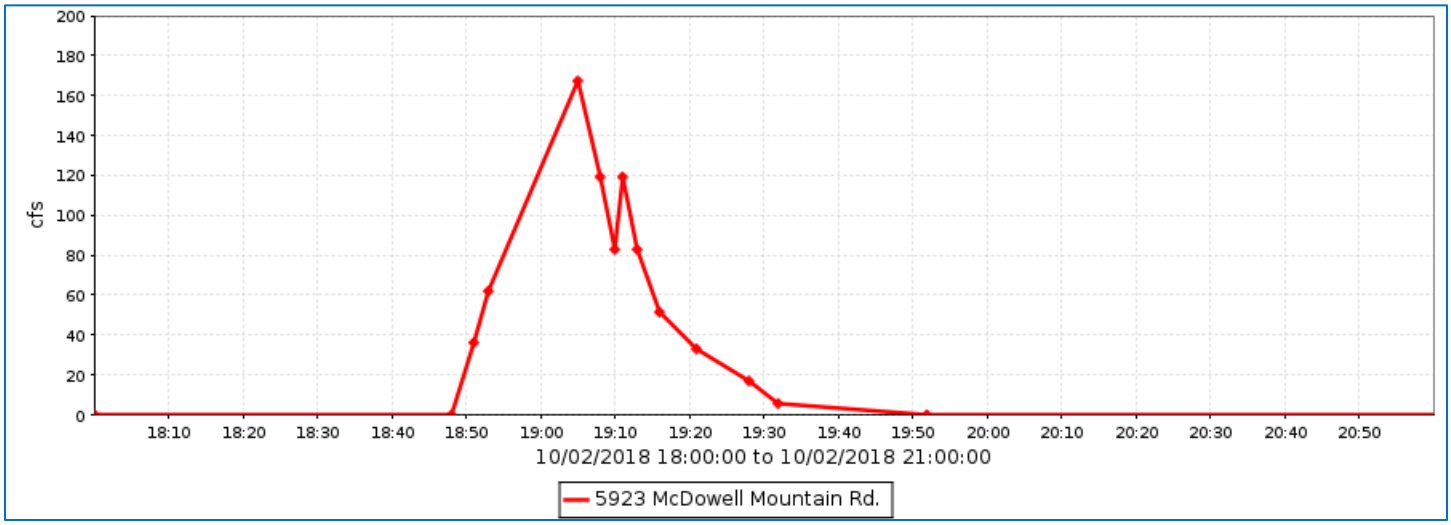




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	0.87	167
09/23/2019	0.35	31

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=16, HEC-WRC computation (based on 16 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
48	**155**	**282**	**445**	**772**	**1,090**

NOTE: These results are based on very limited data.

McDowell Mountain Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2					---						
3						---						
4						---						
5						---						
6												
7												
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24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	167	0	0	0	0	0	0	0	0	0	4	31
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	4	0	0	0	0	0	0	1	0	0	0	1

WTR YR 2019 TOTAL 3 MEAN 0 MAX 167 MIN 0 AC_FT 6

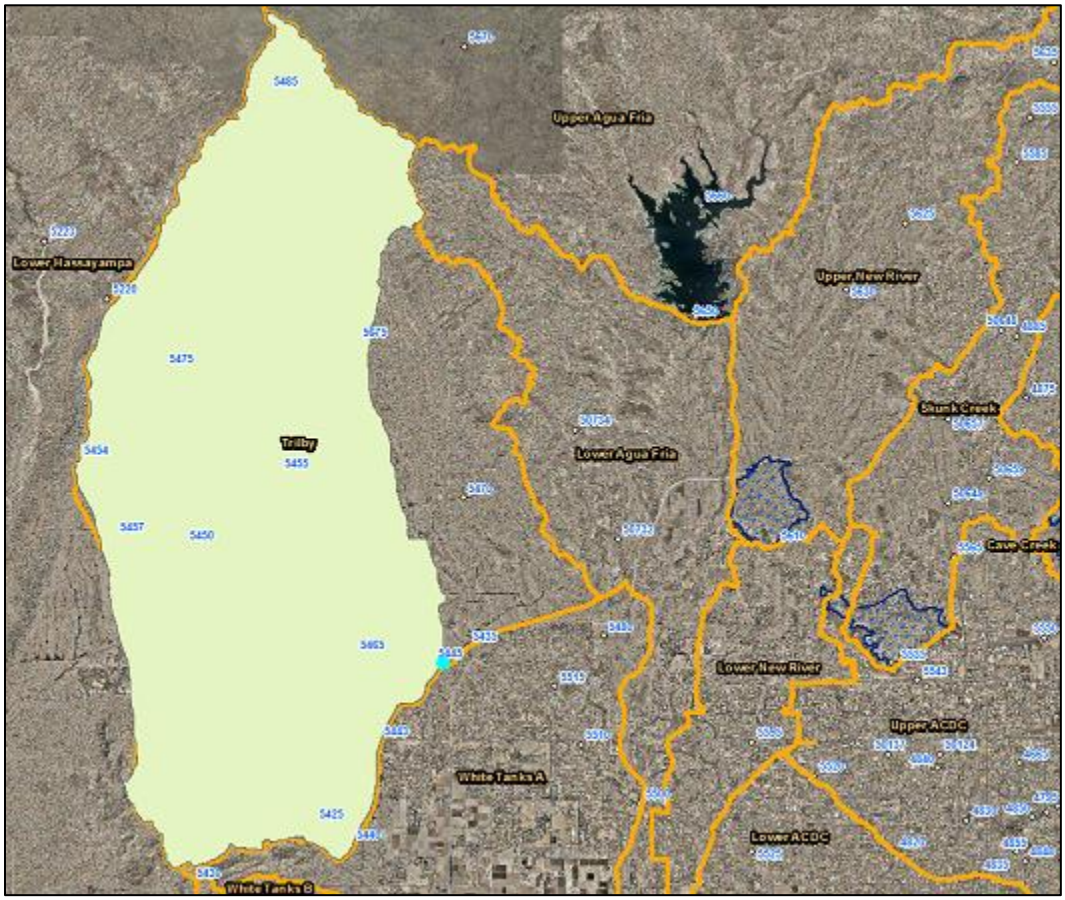
McMicken Dam at Bell Road, ID #5443

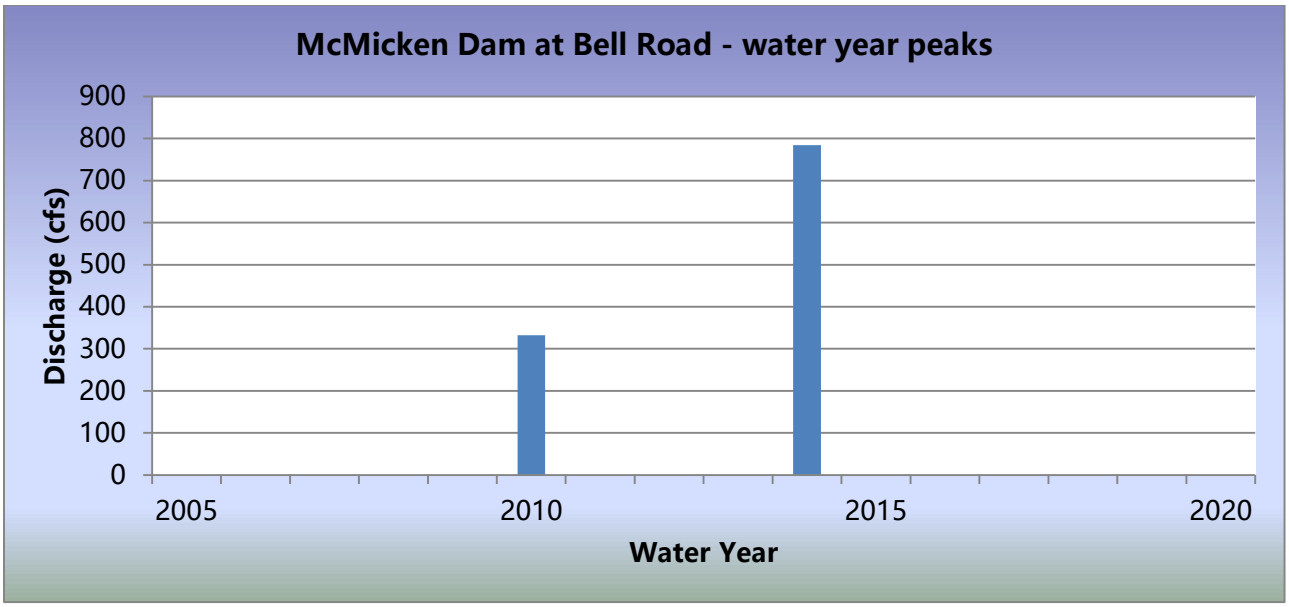


Site Data

LOCATION	Located on the south side of McMicken Dam at Bell Road
DRAINAGE AREA	247 mi^2 at outlet gage
STREAM TYPE	Dam Pool Pass-through
JURISDICTION	Surprise, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S03 T3N R2W
LATITUDE	N 33° 38' 17.6" | +33.63823
LONGITUDE	W 112° 27' 41.1" | -112.46141
STREAMGAGE INSTALLATION DATE	03/04/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	03/04/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.58 Years | 3,863 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.35 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,335.68 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	784 cfs | 5.80 feet GH | 09/08/2014

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
No runoff recorded		

Hydrograph of peak WY 2019 flow event

There was no runoff recorded in Water Year 2019.

Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

McMicken Dam at Bell Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
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27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

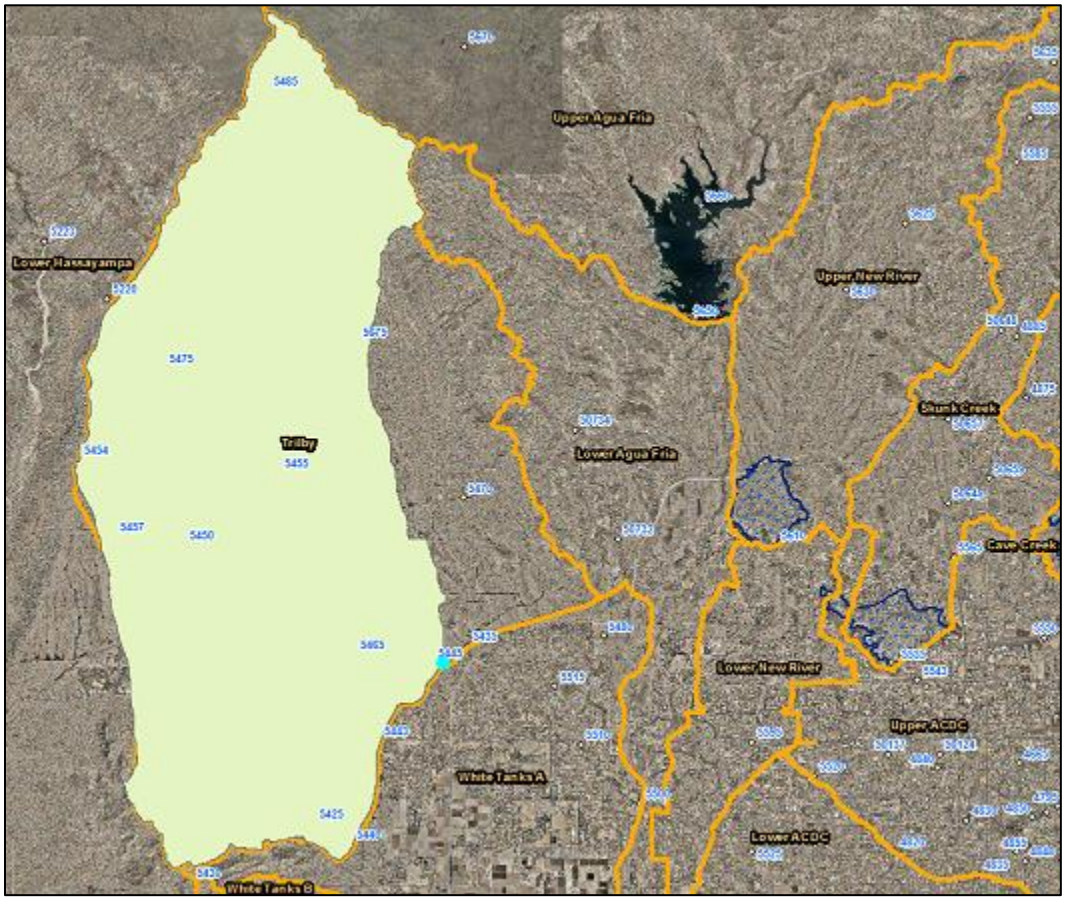
McMicken Dam, ID #5448

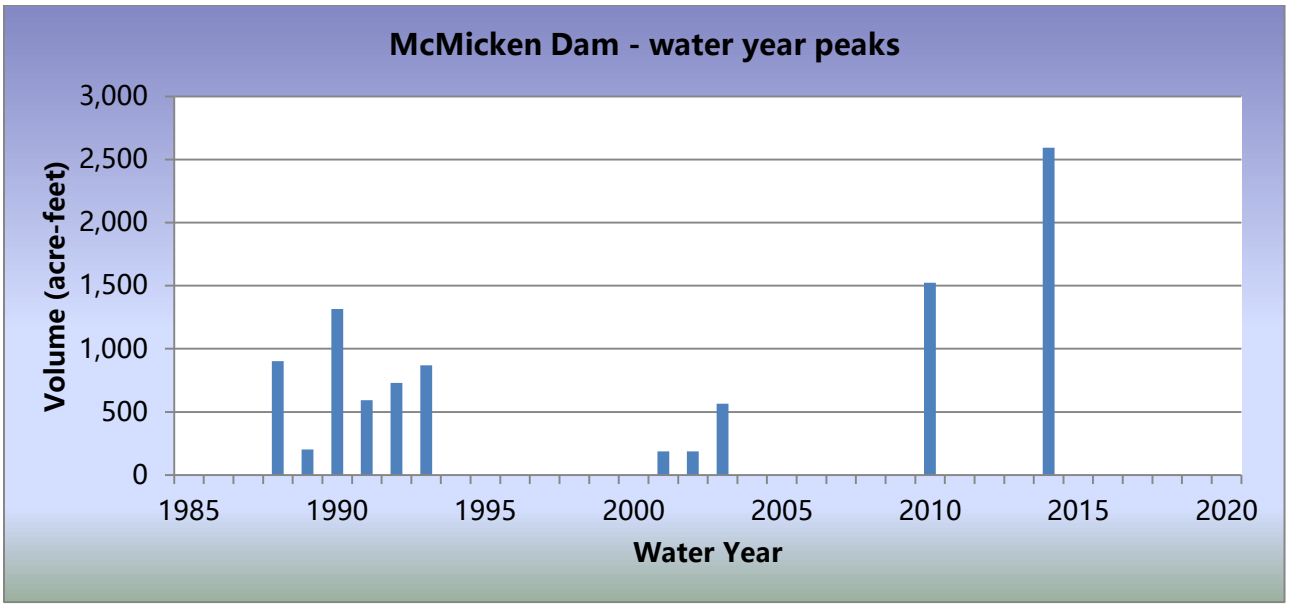


Site Data

LOCATION	Gage is located about 3 miles north of Bell Road
DRAINAGE AREA	257.9 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Surprise, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S24 T4N R2W
LATITUDE	N 33° 40' 37.2" | +33.67699
LONGITUDE	W 112° 25' 24.3" | -112.42342
STREAMGAGE INSTALLATION DATE	03/20/1983 - WY 1983
AVAILABLE PERIOD OF RECORD (POR)	02/18/1988 - Current
LENGTH OF AVAILABLE POR DATA	31.62 Years | 11,548 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.60 feet Gage Height
STAFF GAGES	3
ZERO GAGE HEIGHT ELEVATION	1,336.00 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EMERGENCY SPILLWAY CREST ELEVATION	19.25 feet Gage Height
TOP OF DAM ELEVATION	25.8 feet Gage Height

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
No impoundments			

Hydrograph of peak WY 2019 impoundment event

There were no impoundments recorded in Water Year 2019.

McMicken Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
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26							---					
27							---					
28							---					
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

McMicken Dam, volume data

Volume, in acre-feet, Water Year October 2017 to September 2018

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
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29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2018 MEAN 0 MAX 0 MIN 0

McMicken Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
9	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
10	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
11	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
12	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
13	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
14	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
15	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
16	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
17	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
18	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
19	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
20	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
21	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
22	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
23	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
24	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
25	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
26	1.6	1.6	1.6	1.6	1.6	1.6	---	1.6	1.6	1.6	1.6	1.6
27	1.6	1.6	1.6	1.6	1.6	1.6	---	1.6	1.6	1.6	1.6	1.6
28	1.6	1.6	1.6	1.6	1.6	1.6	---	1.6	1.6	1.6	1.6	1.6
29	1.6	1.6	1.6	1.6	---	1.6	1.6	1.6	1.6	1.6	1.6	1.6
30	1.6	1.6	1.6	1.6	---	1.6	1.6	1.6	1.6	1.6	1.6	1.6
31	1.6	---	1.6	1.6	---	1.6	---	1.6	---	1.6	1.6	---
MEAN	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
MAX	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
MIN	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

WTR YR 2019 MEAN 1.60 MAX 1.60 MIN 1.60

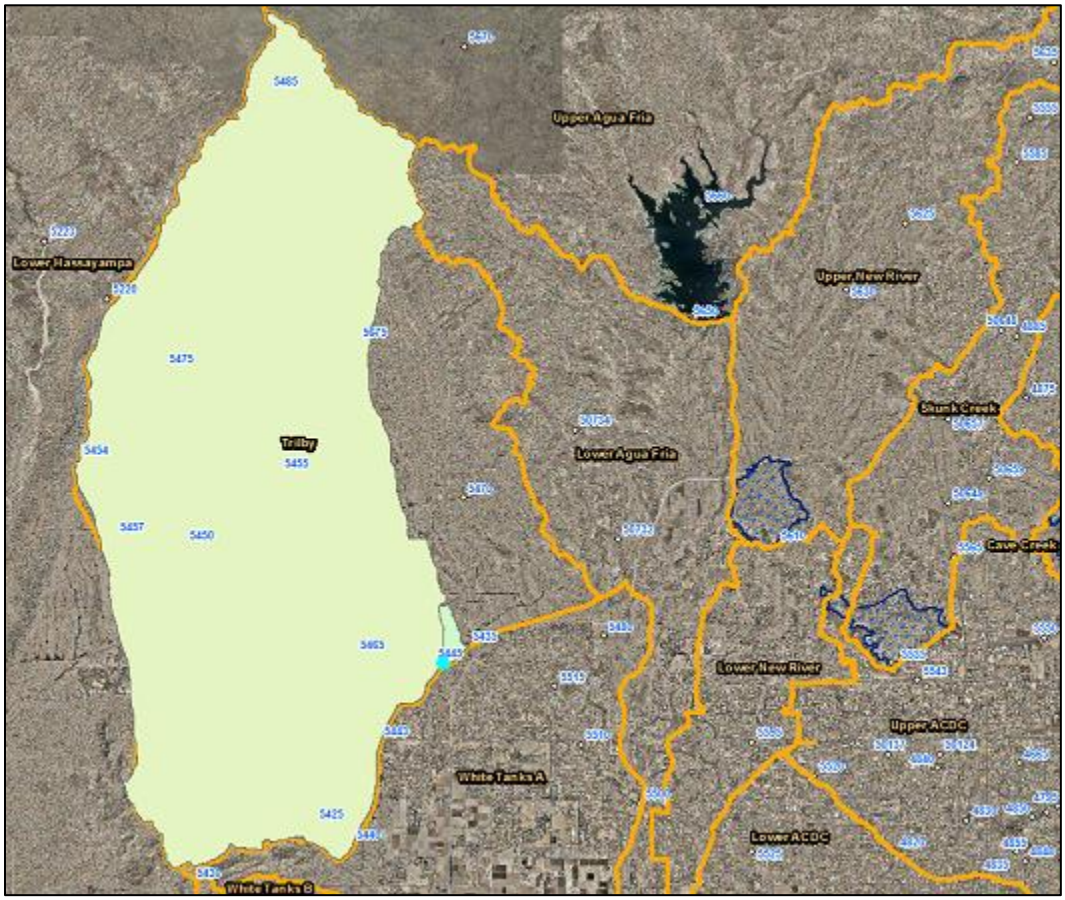
McMicken Floodway, ID #5438

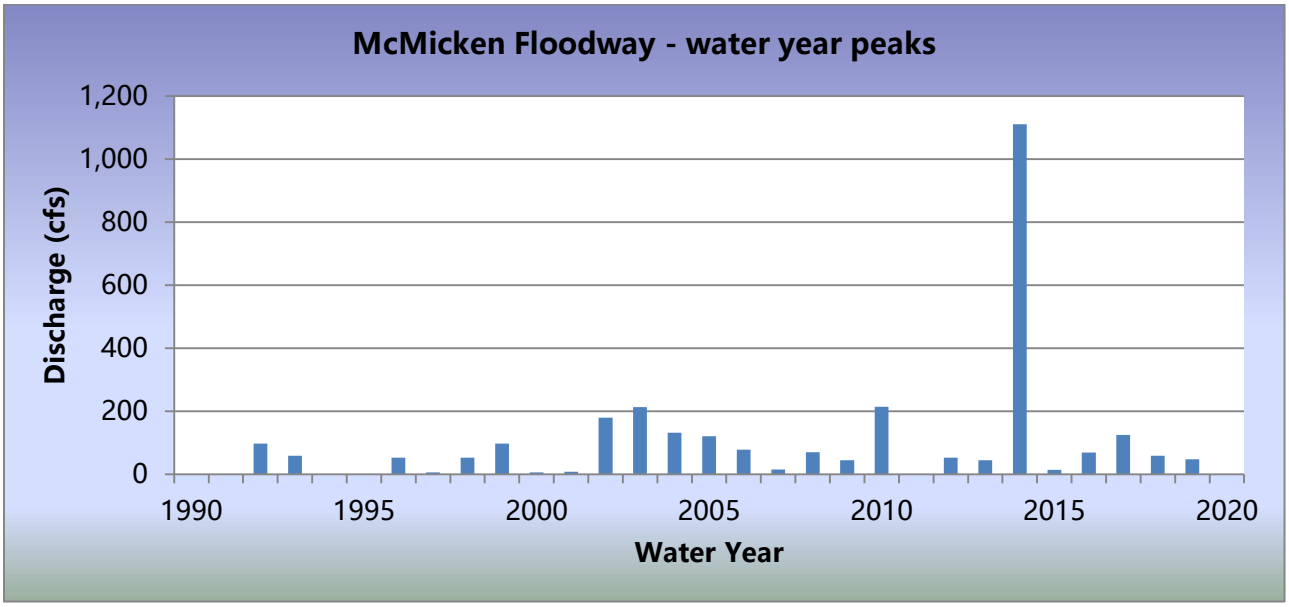


Site Data

LOCATION	Near the intersection of 163rd and Grand Avenues
DRAINAGE AREA	305 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Surprise, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S18 T4N R1W
LATITUDE	N 33° 41' 07.2" | +33.68532
LONGITUDE	W 112° 24' 31.1" | -112.40864
STREAMGAGE INSTALLATION DATE	05/19/1992 - WY 1992
AVAILABLE PERIOD OF RECORD (POR)	05/19/1992 - Current
LENGTH OF AVAILABLE POR DATA	27.37 Years | 9,996 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	1,325.07 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,110 cfs | 4.98 feet | 09/08/2014

Watershed Map

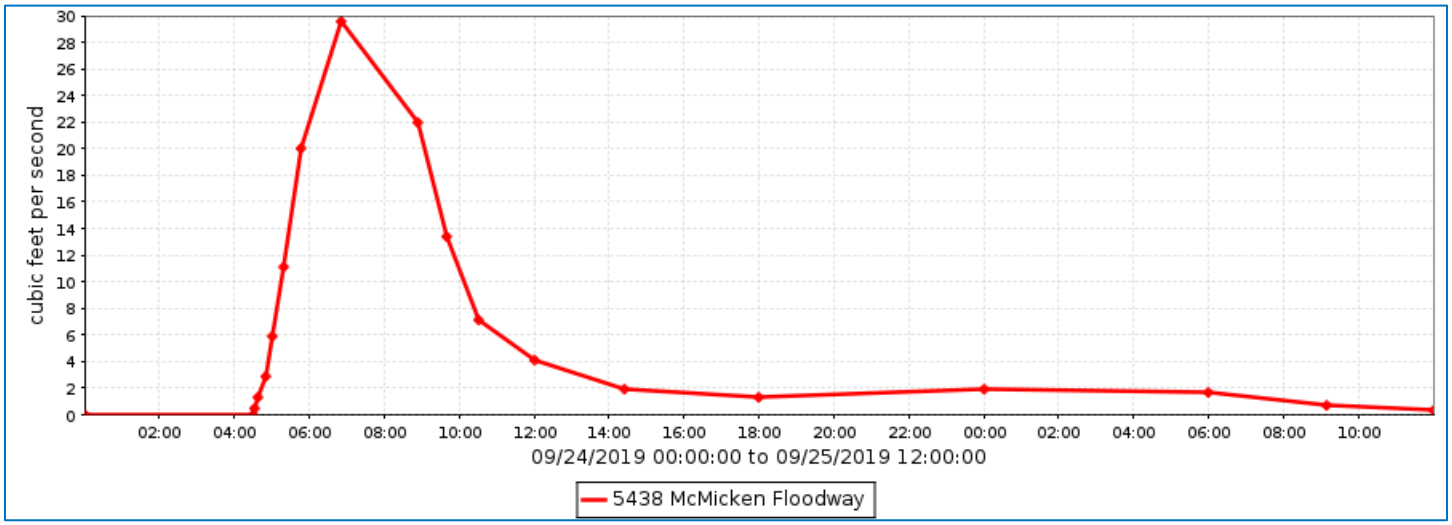




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	1.00	11
02/22/2019	1.00	11
09/24/2019	1.23	30

Hydrograph of peak WY 2019 flow event, 09/24/2019



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
44	**153**	**278**	**444**	**735**	**1,010**

NOTE: These results are based on very limited data.

McMicken Floodway, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21					2							
22					9							
23					4							
24					1							6
25												1
26												2
27												1
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	16	0	0	0	0	0	0	10
MEAN	0	0	0	0	1	0	0	0	0	0	0	0
MAX	11	0	0	0	11	0	0	0	1	0	0	30
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	4	0	0	0	32	1	0	0	0	0	0	19

WTR YR 2019 TOTAL 28 MEAN 0 MAX 30 MIN 0 AC_FT 56

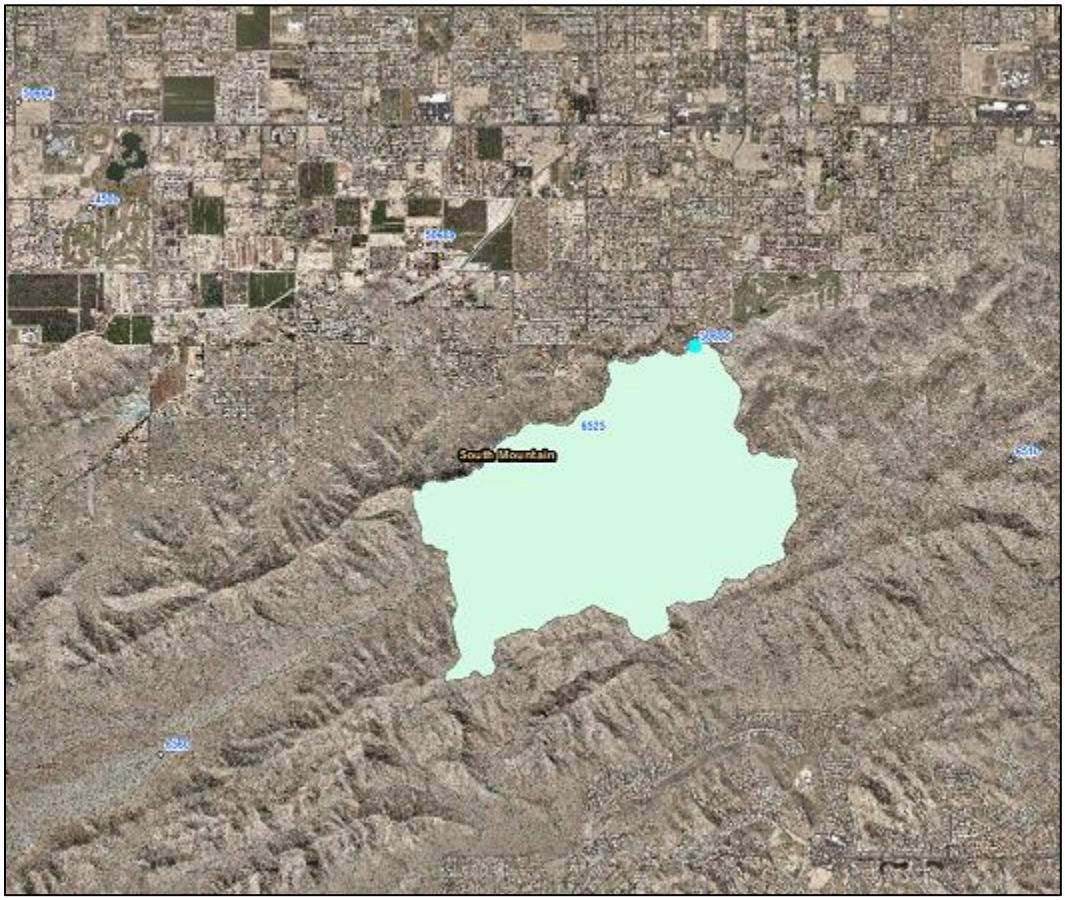
Mineral Canyon Basin, ID #68807

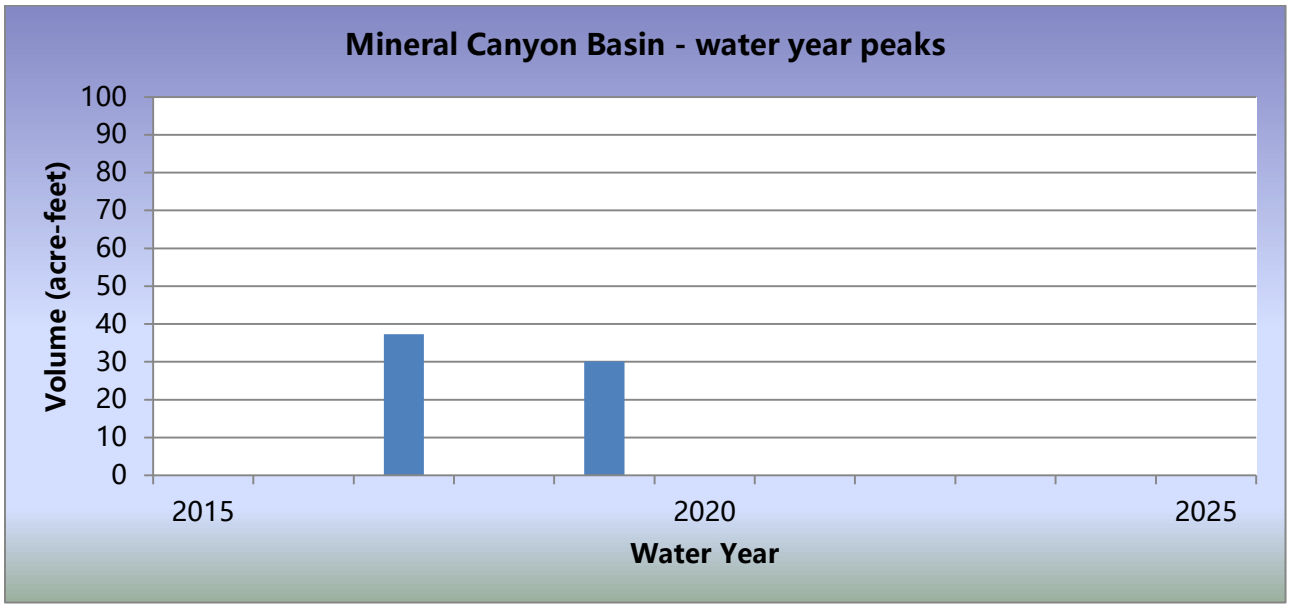


Site Data

LOCATION	In South Mountain Park near Central Avenue and Mineral Road
DRAINAGE AREA	3.46 mi^2
STREAM TYPE	Flood control basin on natural stream
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S08 T1S R3E
LATITUDE	N 33° 21' 20.9" | +33.35580
LONGITUDE	W 112° 04' 13.8" | -112.07051
STREAMGAGE INSTALLATION DATE	09/10/2015 - WY 2015
AVAILABLE PERIOD OF RECORD (POR)	09/10/2015 - Current
LENGTH OF AVAILABLE POR RECORD	4.06 Years | 1,482 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	28.5 feet Gage Height

Watershed Map

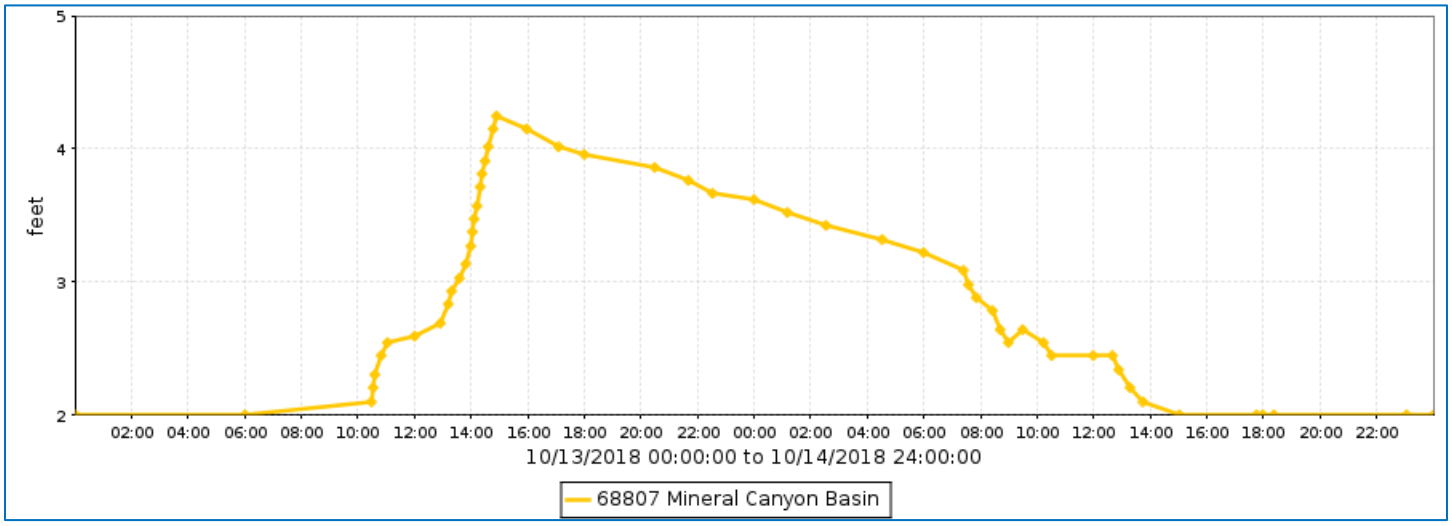




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/13/2018	4.25	30.1	6.1

Hydrograph of peak WY 2019 impoundment event, 10/13/2018



Mineral Canyon Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Mineral Canyon Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	12											
14	8											
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	30	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 30 MIN 0

Mineral Canyon Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
11	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
12	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
13	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
14	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
15	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
16	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
17	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
18	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
19	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
20	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
21	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
22	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
23	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
24	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
25	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
26	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
27	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
28	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
29	2.0	2.0	2.0	2.0	---	2.0	2.0	2.0	2.0	2.0	2.0	2.0
30	2.0	2.0	2.0	2.0	---	2.0	2.0	2.0	2.0	2.0	2.0	2.0
31	2.0	---	2.0	2.0	---	2.0	---	2.0	---	2.0	2.0	---
MEAN	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MAX	4.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MIN	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

WTR YR 2019 MEAN 2.00 MAX 4.25 MIN 2.00

New River Fire, ID #5638

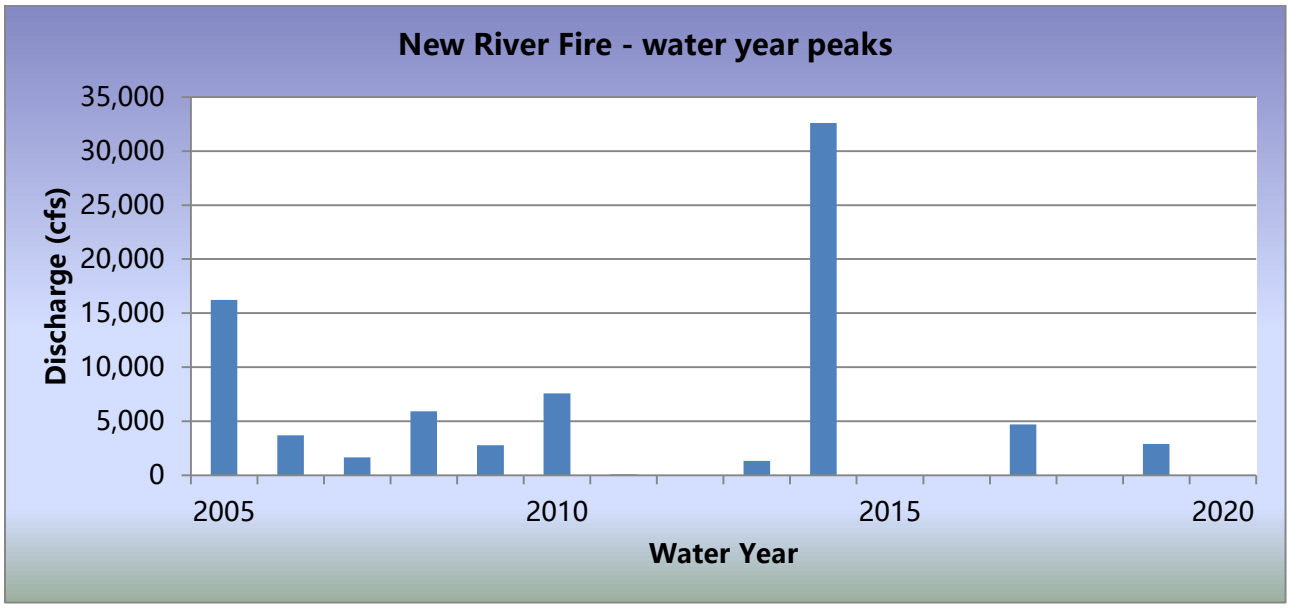


Site Data

LOCATION	North of Table Mesa Road about 4 miles east of I-17
DRAINAGE AREA	62 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Upper New River
SECTION/TOWNSHIP/RANGE	S04 T7N R3E
LATITUDE	N 33° 58' 33.1" | +33.97585
LONGITUDE	W 112° 03' 38.3" | -112.06063
STREAMGAGE INSTALLATION DATE	07/18/2005 - WY 2005
AVAILABLE PERIOD OF RECORD (POR)	07/20/2005 - Current
LENGTH OF AVAILABLE POR DATA	14.20 Years | 5,186 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,469.10 feet NAVD88
POINT OF ZERO FLOW	-1.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	32,584 cfs | 11.0 feet | 08/19/2014

Watershed Map

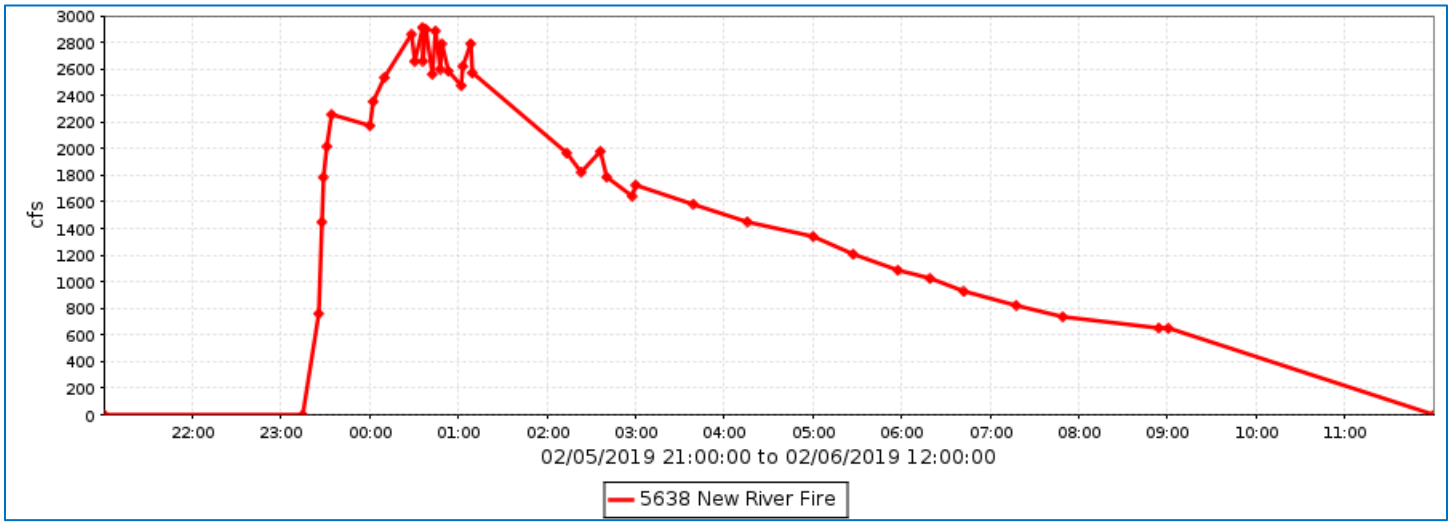




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.78	847
10/23/2018	1.81	877
02/06/2019	3.53	2,913
02/14/2019	2.74	1,873
02/22/2019	1.43	569
02/26/2019	1.72	795
02/27/2019	2.14	1,188
03/13/2019	3.47	2,826
09/23/2019	1.56	671

Hydrograph of peak WY 2019 flow event, 02/06/2019



Flood Flow Frequency

Flood Flow Frequency FEMA Flood Insurance Study (at USGS gage, 3 miles downstream)
100-year
34,500

New River Fire, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	235											
3												
4												
5					50							
6					672							
7												
8												
9												
10									2			
11									30			
12												
13						886						
14					143							
15					264							
16												
17												
18												
19												
20												
21												
22					141							
23	62											40
24												
25												
26					150							
27					335							
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	298	0	0	0	1755	886	0	0	31	0	0	40
MEAN	10	0	0	0	63	29	0	0	1	0	0	1
MAX	877	0	0	0	2913	2826	0	0	628	0	0	671
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	591	0	0	0	3481	1758	0	0	62	0	0	79

WTR YR 2019 TOTAL 3010 MEAN 8 MAX 2913 MIN 0 AC_FT 5969

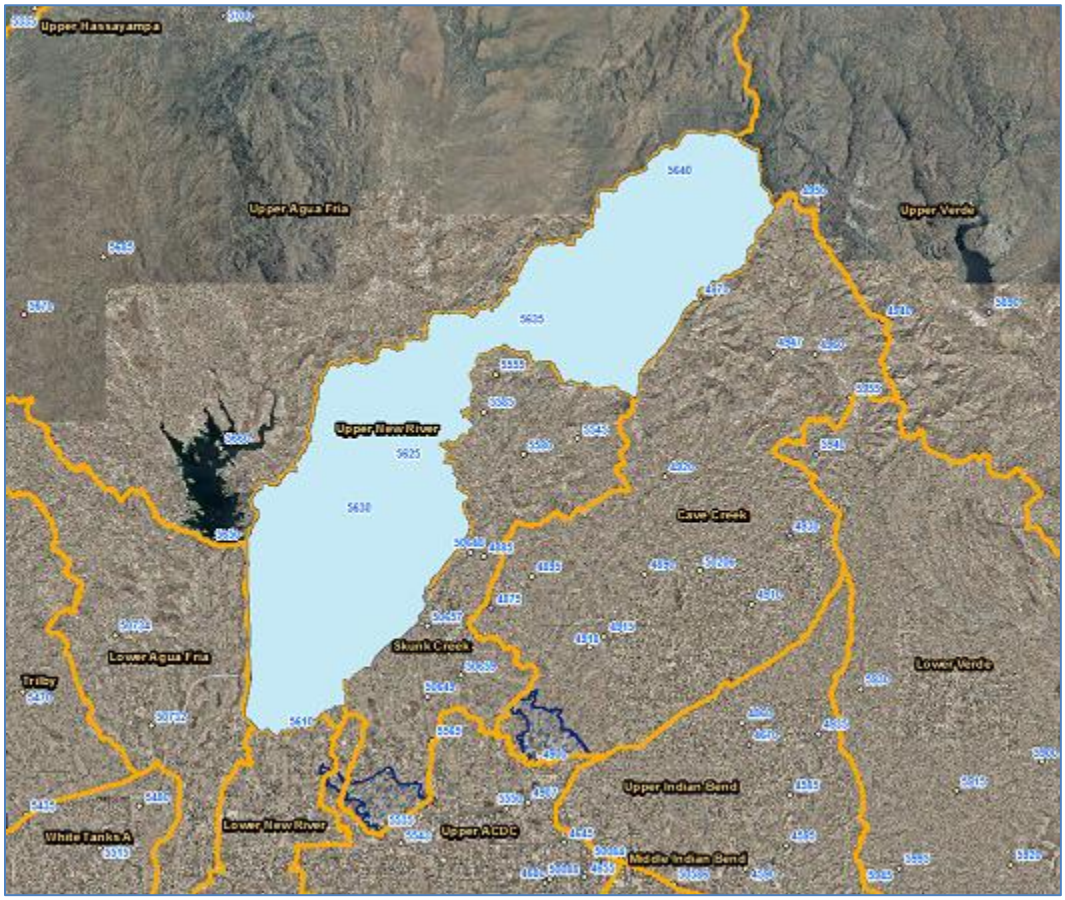
New River Dam Pool, ID #5614

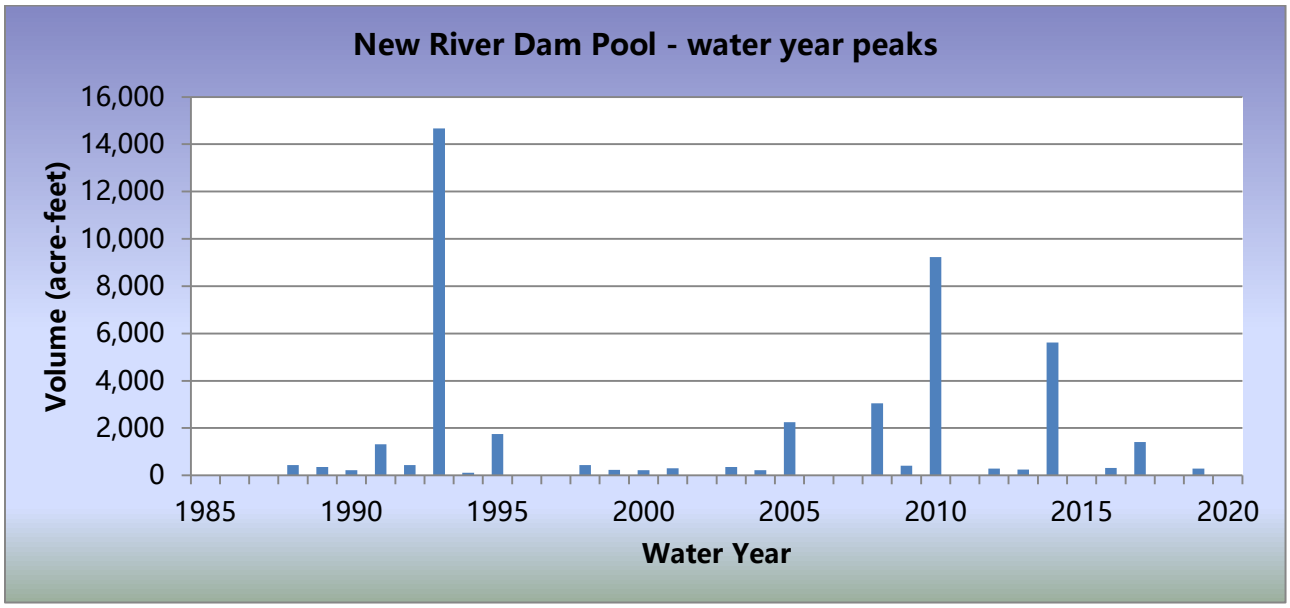


Site Data

LOCATION	Near 75th Avenue north of Jomax Road
DRAINAGE AREA	171 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Peoria, Arizona
WATERSHED	Upper New River
SECTION/TOWNSHIP/RANGE	S35 T5N R1E
LATITUDE	N 33° 44' 09.1" | +33.73585
LONGITUDE	W 112° 13' 31.8" | -112.22550
STREAMGAGE INSTALLATION DATE	04/15/1986 - WY 1986
AVAILABLE PERIOD OF RECORD (POR)	08/30/1988 - Current
LENGTH OF AVAILABLE POR DATA	31.09 Years | 11,354 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.85 feet Gage Height
STAFF GAGES	21
ZERO GAGE HEIGHT ELEVATION	1,391.50 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
STANDARD PROJECT FLOOD	49,300 acre-feet / 45,000 cfs inflow / 2,665 cfs outflow
PROBABLE MAXIMUM FLOOD	105,000 acre-feet / 144,000 cfs inflow / 30,000 cfs outflow
SPILLWAY ELEVATION	67.0 feet Gage Height
TOP OF DAM ELEVATION	98.0 feet Gage Height

Watershed Map

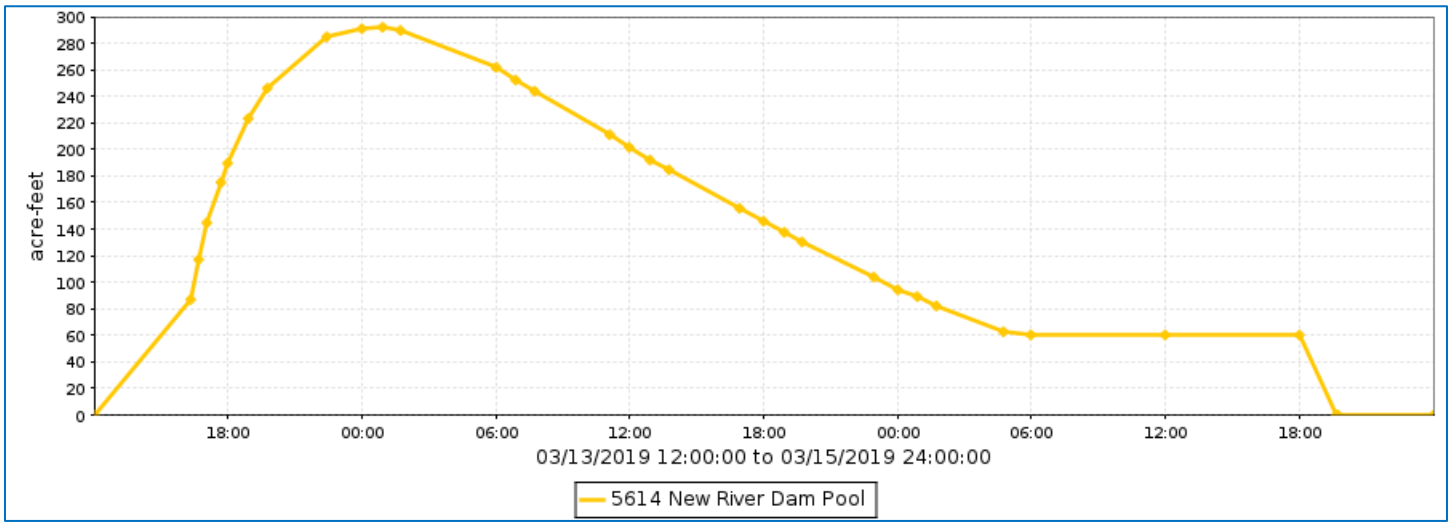




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/03/2018	4.51	130.1	0.3
10/24/2018	5.47	183.9	0.4
02/06/2019	6.57	255.9	0.6
02/15/2019	5.19	167.4	0.4
02/28/2019	5.79	203.7	0.5
03/14/2019	7.02	291.6	0.6
09/23/2019	6.52	252.1	0.6

Hydrograph of peak WY 2019 impoundment event, 03/14/2019



New River Dam Pool, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						48						
2												
3	52											
4	5											
5												
6					126							
7					129							
8					15							
9												
10												
11												
12												
13						70						
14						211						
15					81	54						
16					85							
17					47							
18												
19												
20												
21												
22												
23	25											50
24	51											111
25												
26					51							
27					125							
28					172							
29					---							
30					---							
31		---			---		---		---			---
MEAN	4	0	0	0	30	12	0	0	0	0	0	5
MAX	184	0	0	0	256	292	0	0	0	0	0	252
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 4 MAX 292 MIN 0

New River Dam Pool, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.9	2.9	2.9	2.9	3.3	2.9	2.9	2.9	2.9	2.9	2.9
2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
3	3.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
5	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
6	2.9	2.9	2.9	2.9	4.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
7	2.9	2.9	2.9	2.9	4.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9
8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
10	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
11	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
12	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
13	2.9	2.9	2.9	2.9	2.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9
14	2.9	2.9	2.9	2.9	2.9	5.8	2.9	2.9	2.9	2.9	2.9	2.9
15	2.9	2.9	2.9	2.9	3.9	3.1	2.9	2.9	2.9	2.9	2.9	2.9
16	2.9	2.9	2.9	2.9	3.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9
17	2.9	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
18	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
19	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
20	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
21	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
22	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
23	3.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6
24	3.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3
25	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
26	2.9	2.9	2.9	2.9	3.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9
27	2.9	2.9	2.9	2.9	4.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9
28	2.9	2.9	2.9	2.9	5.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9
29	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
30	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
31	2.9	---	2.9	2.9	---	2.9	---	2.9	---	2.9	2.9	---
MEAN	2.9	2.9	2.9	2.9	3.2	3.0	2.9	2.9	2.9	2.9	2.9	3.0
MAX	5.5	2.9	2.9	2.9	6.6	7.0	2.9	2.9	2.9	2.9	2.9	6.5
MIN	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9

WTR YR 2019 MEAN 2.93 MAX 7.02 MIN 2.88

New River Dam Outlet, ID #5613

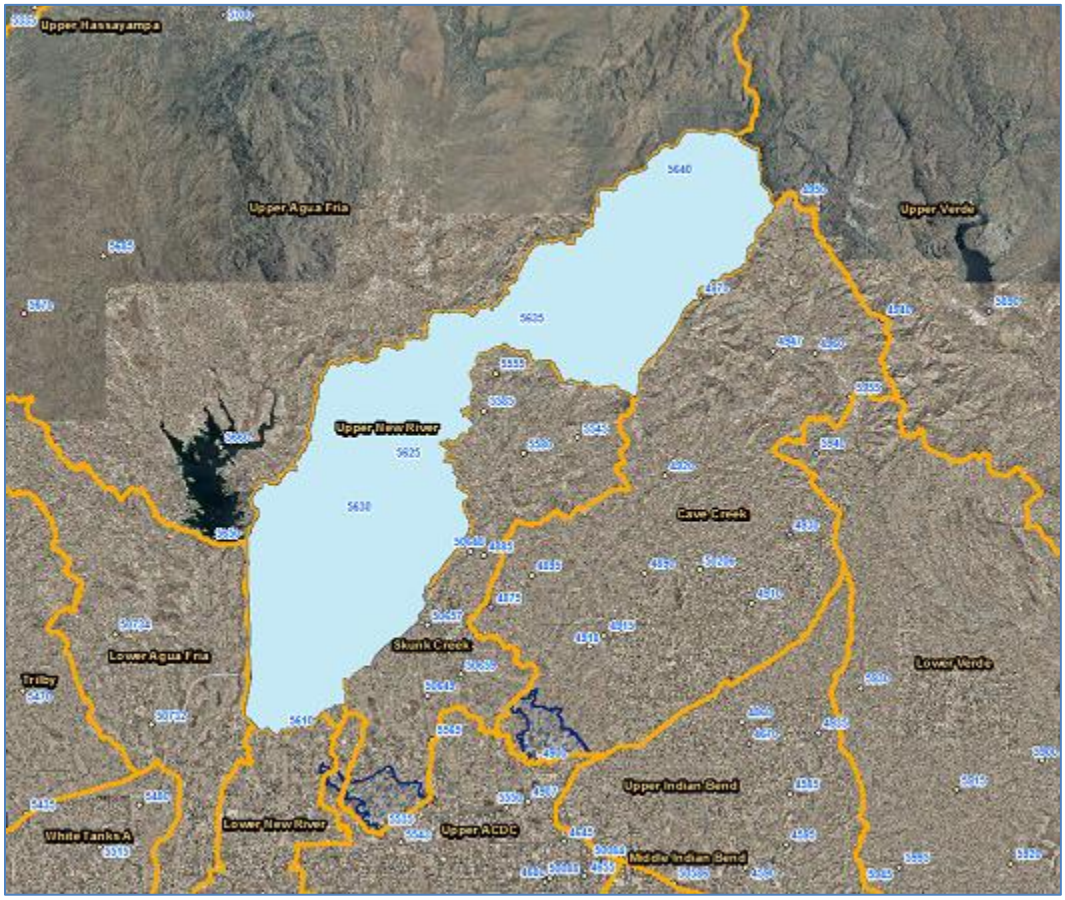


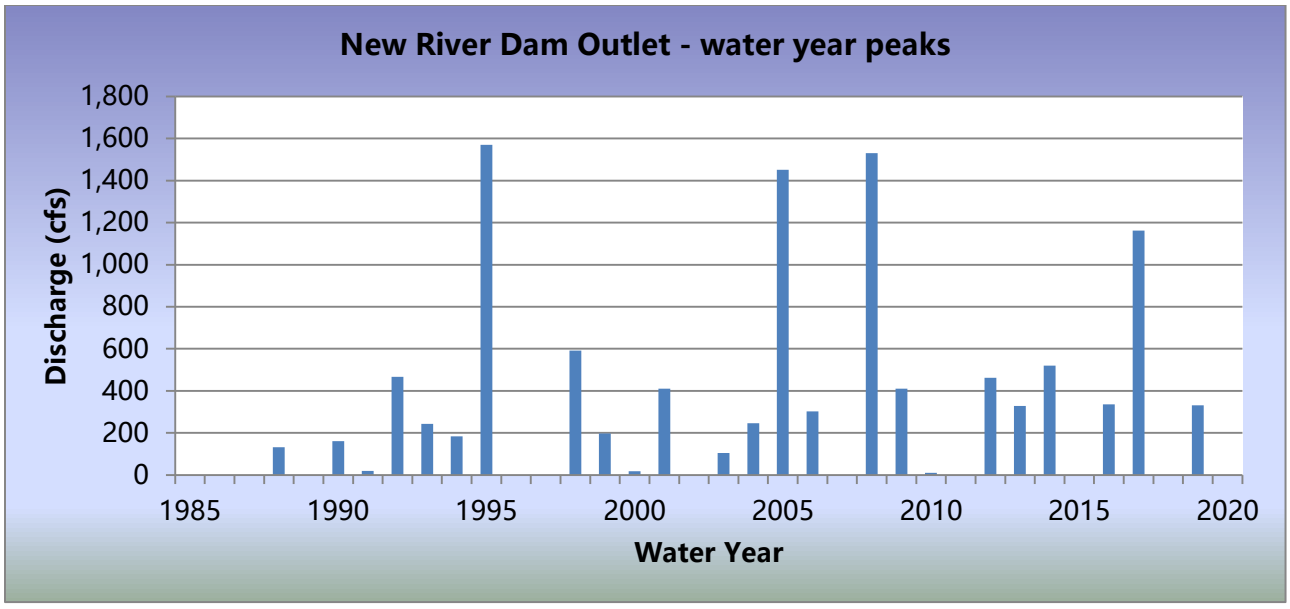
Site Data

LOCATION	Near 75th Avenue north of Jomax Road
DRAINAGE AREA	171 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Peoria, Arizona
WATERSHED	Lower New River
SECTION/TOWNSHIP/RANGE	S35 T5N R1E
LATITUDE	N 33° 44' 09.1" | +33.73585
LONGITUDE	W 112° 13' 31.8" | -112.22550
STREAMGAGE INSTALLATION DATE	04/15/1986 - WY 1986
AVAILABLE PERIOD OF RECORD (POR)	08/30/1988 - Current
LENGTH OF AVAILABLE POR DATA	31.09 Years | 11,354 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.68 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,378.15 feet NAVD88
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD*	1,570 cfs | 9.36 feet | 02/15/1995

***Extreme for period of record did not occur on the date of maximum pool stage (01/08/1993) because the gage may have failed and no data are available at this gage on that date.**

Watershed Map

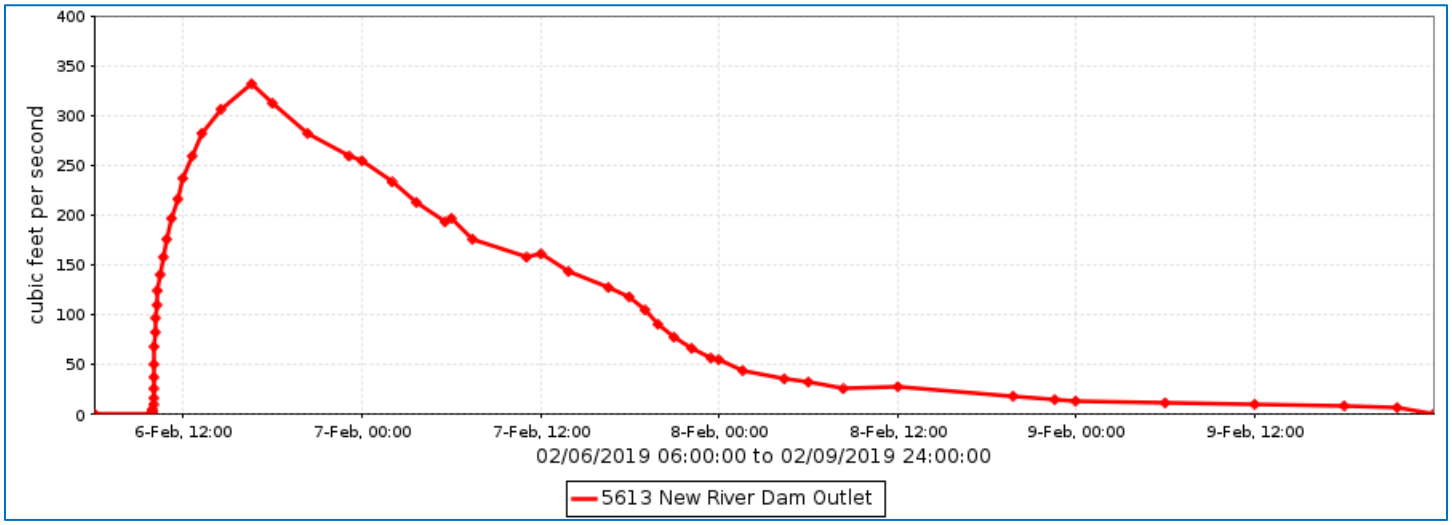




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/03/2018	5.39	205
10/24/2018	5.62	241
02/06/2019	6.09	331
02/15/2019	5.54	228
02/28/2019	5.74	263
03/14/2019	6.06	326
09/23/2019	5.85	284
09/27/2019	3.73	25

Hydrograph of peak WY 2019 flow event, 02/06/2019



Flood Flow Frequency

Flows past this gage are regulated by New River Dam directly upstream. Flood Flow Frequency is therefore not valid.

New River Dam Outlet, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						103						
2						41						
3	87					20						
4	50					10						
5	4					6						
6	1				160	4						
7	1				160	2						
8					30	1						
9					10	1						
10												
11												
12												
13						90						
14						248						
15					118	64						
16					110	19						
17					27	9						
18					12	4						
19					2	3						
20						2						
21						1						
22					7	1						
23	30				59							60
24	113				53							131
25	15				72							9
26	4				122							3
27	2				181							12
28	1				225							6
29	1				---							3
30					---							2
31		---			---		---		---			---
TOTAL	308	1	0	0	1347	630	0	0	0	0	0	225
MEAN	10	0	0	0	48	20	0	0	0	0	0	8
MAX	241	0	0	0	331	326	0	0	0	0	0	284
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	612	1	0	0	2671	1250	0	0	0	0	0	447

WTR YR 2019 TOTAL 2511 MEAN 7 MAX 331 MIN 0 AC_FT 4981

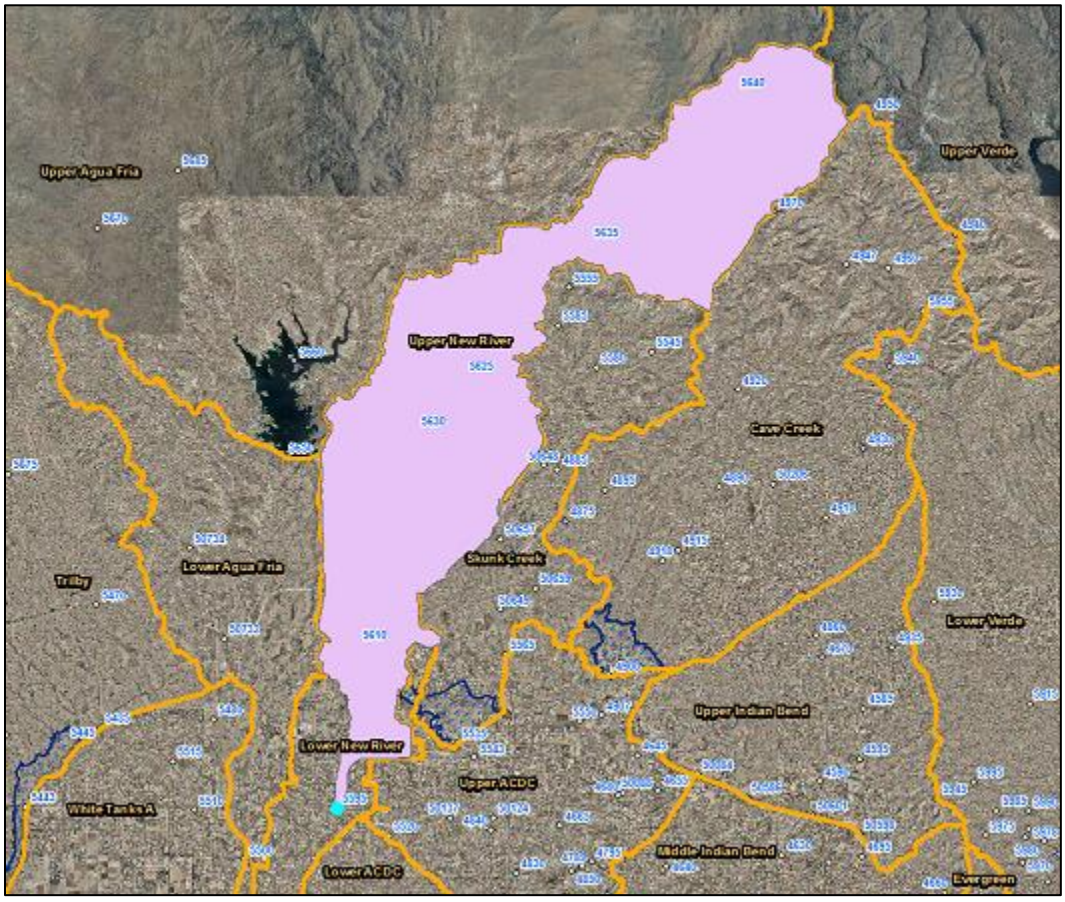
New River at Bell Road, ID #5598

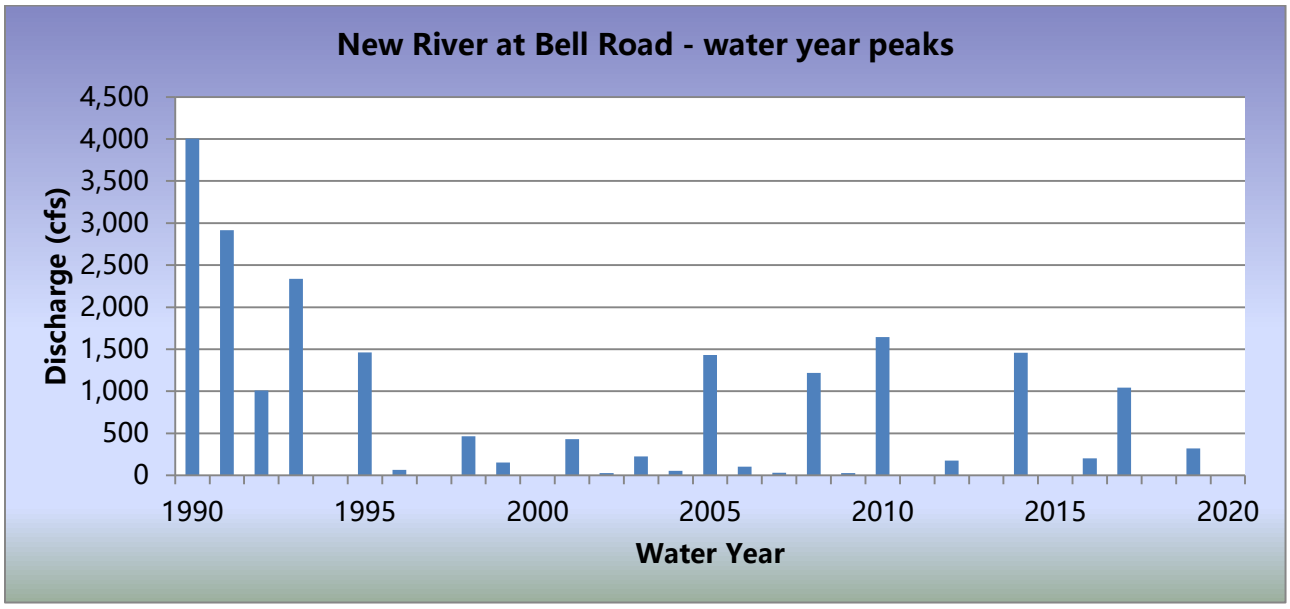


Site Data

LOCATION	On Bell Road west of Loop 101
DRAINAGE AREA	185 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Peoria, Arizona
WATERSHED	Lower New River
SECTION/TOWNSHIP/RANGE	S03 T3N R1E
LATITUDE	N 33° 38' 16.6" | +33.63795
LONGITUDE	W 112° 14' 22.5" | -112.23959
STREAMGAGE INSTALLATION DATE	04/04/1990 - WY 1990
AVAILABLE PERIOD OF RECORD (POR)	04/04/1990 - Current
LENGTH OF AVAILABLE POR DATA	29.49 Years | 10,772 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.30 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,192.11 feet NAVD88
POINT OF ZERO FLOW	-0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	4,005 cfs | 5.77 feet | 09/03/1990
EXTREME OUTSIDE PERIOD OF RECORD	14,600 cfs | 12/19/1967

Watershed Map

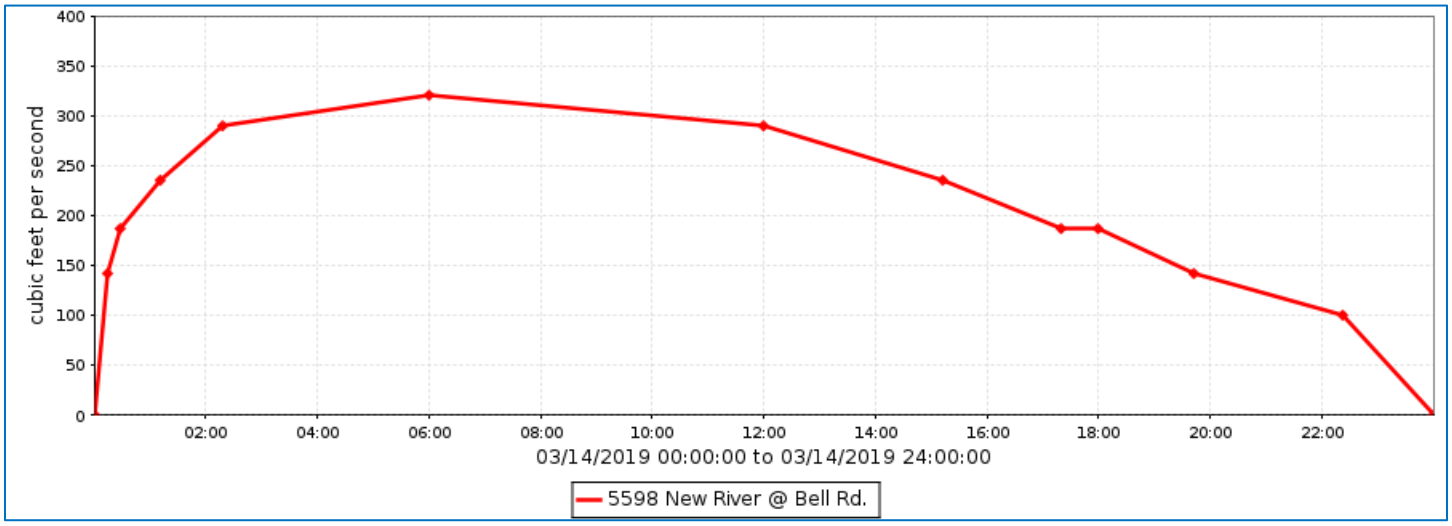




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
02/06/2019	0.60	150
02/27/2019	0.45	83
02/28/2019	0.65	175
03/14/2019	0.78	247
09/24/2019	0.33	100

Hydrograph of peak WY 2019 flow event



Flood Flow Frequency

Flood Flow Frequency N=30, HEC-WRC computation (based on 30 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
141	**1,090**	**2,860**	**5,990**	**13,000**	**21,200**

NOTE(1): These results are based on limited data.
NOTE(2): New River Dam upstream limits the peak discharge from the upper portion of the watershed.

New River at Bell Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						13						
2												
3												
4												
5												
6					21							
7					78							
8												
9												
10												
11												
12												
13												
14						243						
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												25
25												
26												
27					56							
28					136							
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	292	256	0	0	0	0	0	25
MEAN	0	0	0	0	10	8	0	0	0	0	0	1
MAX	0	0	0	0	246	320	0	0	0	0	0	100
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	579	508	0	0	0	0	0	50

WTR YR 2019 TOTAL 573 MEAN 2 MAX 320 MIN 0 AC_FT 1136

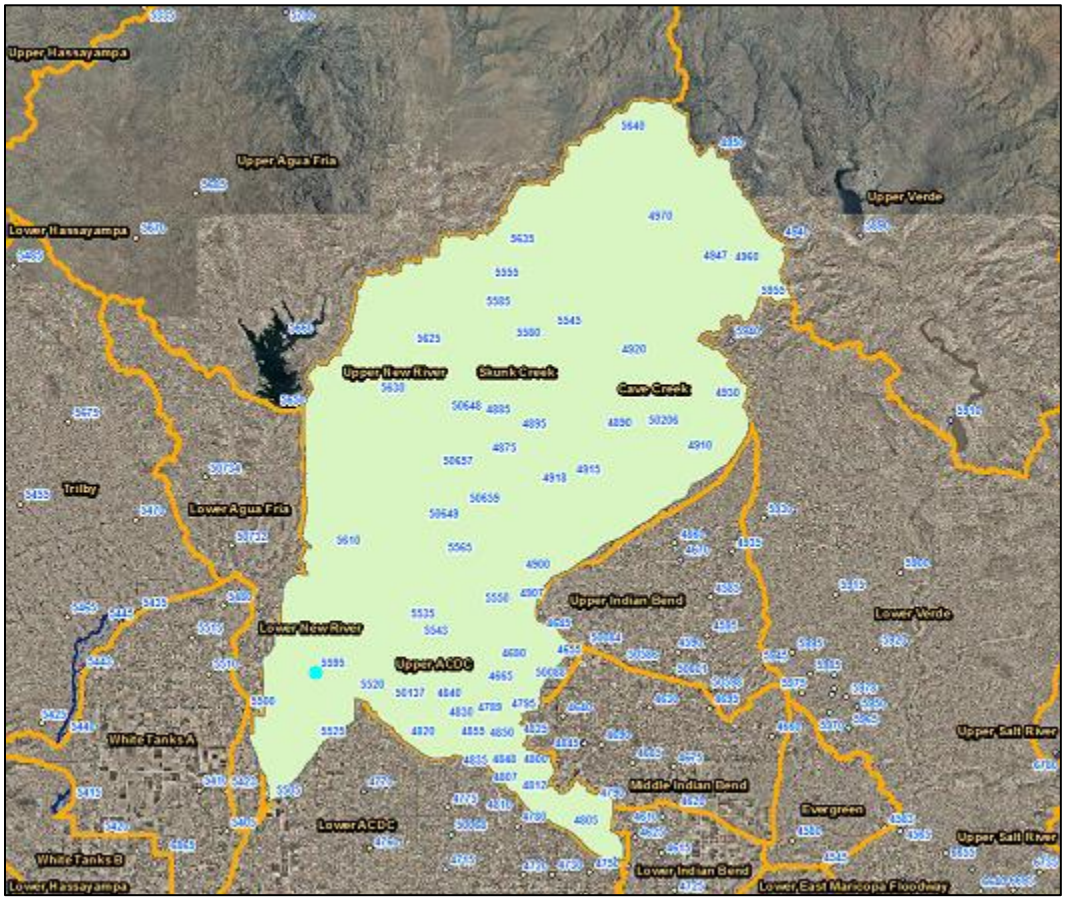
New River at Glendale Avenue, ID #5508, #61517

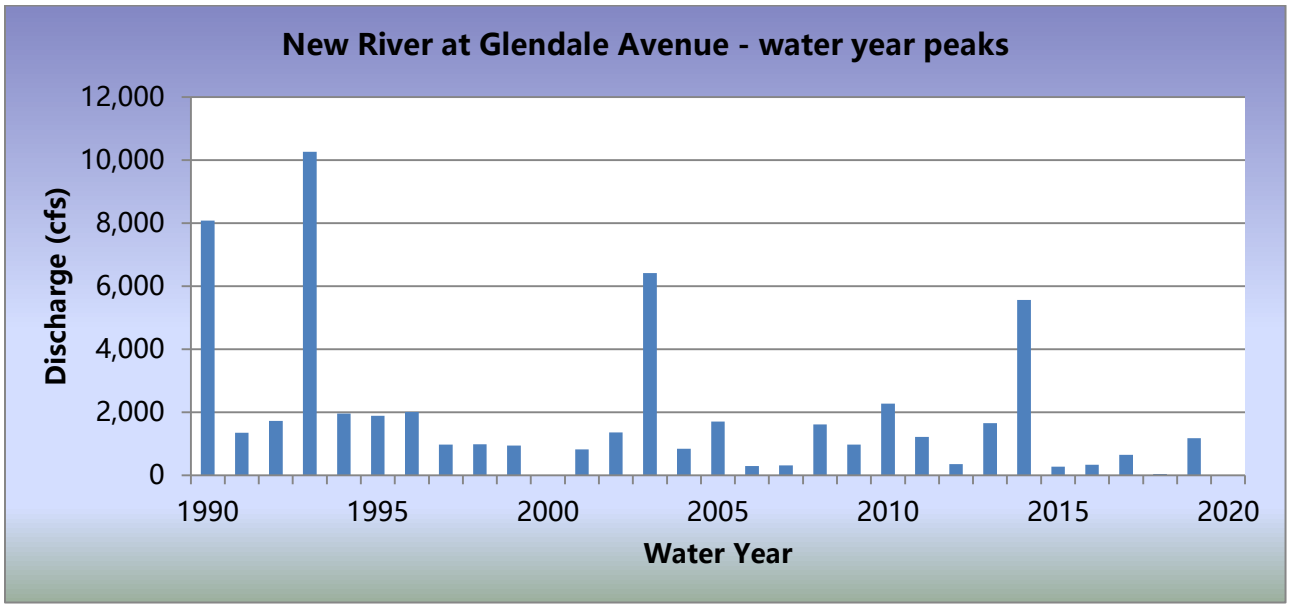


Site Data

LOCATION	West of 99th Avenue on Glendale Avenue
DRAINAGE AREA	600 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Glendale, Arizona
WATERSHED	Lower New River
SECTION/TOWNSHIP/RANGE	S05 T2N R1E
LATITUDE	N 33° 32' 11.8" | +33.53661
LONGITUDE	W 112° 16' 53.3" | -112.28146
STREAMGAGE INSTALLATION DATE	03/21/1990 - WY 1990
AVAILABLE PERIOD OF RECORD (POR)	03/21/1990 - Current
LENGTH OF AVAILABLE POR DATA	28.53 Years | 10,421 Days
DATA GAPS IN POR	08/23/2006 - 03/07/2007
STAGE GAGE TYPES	Transducer / RADAR
TRANSDUCER GAGE ELEVATION	2.50 feet Gage Height
RADAR GAGE ELEVATION	20.75 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,045.84 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	10,266 cfs | 2.90 feet | 02/10/1993
EXTREME OUTSIDE PERIOD OF RECORD	38,000 cfs | 08/1943

Watershed Map

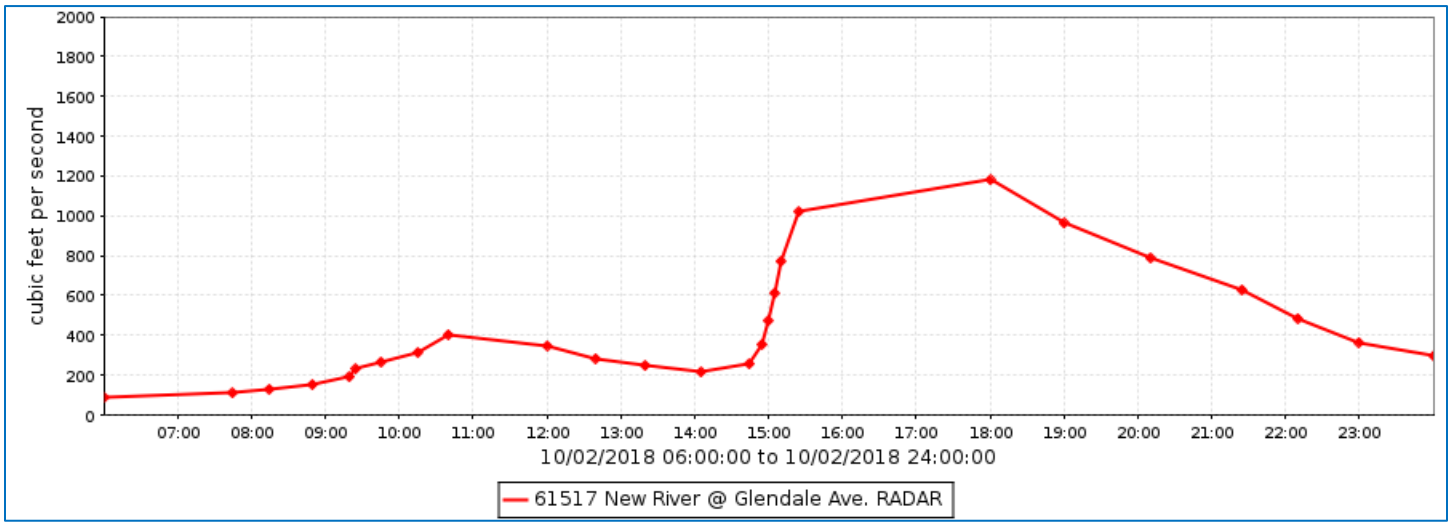




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.47	1,179
10/07/2018	2.98	600
10/13/2018	2.51	284
10/14/2018	2.59	305
10/23/2018	3.19	821
02/22/2019	2.56	295
08/29/2019	2.22	217
09/24/2019	2.04	183
09/27/2019	1.51	103

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=30, HEC-WRC computation (based on 30 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,180	**2,780**	**4,410**	**6,480**	**10,100**	**13,500**

NOTE(1): These results are based on limited data.
NOTE(2): New River Dam upstream limits the peak discharge from the upper portion of the watershed. The analysis only includes runoff since the New River Dam's construction.

New River at Glendale Avenue (#61517), runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9	13	13	14	12	171	21	18	19	14	16	16
2	401	11	11	11	12	86	24	17	18	8	18	15
3	244	10	8	12	27	51	21	12	18	10	18	13
4	116	12	9	13	33	34	20	13	14	13	33	14
5	57	13	10	14	12	27	19	12	13	9	17	18
6	16	13	11	75	11	23	24	15	18	13	17	18
7	202	12	16	29	131	32	20	14	14	15	12	18
8	99	14	14	15	86	30	22	15	19	15	13	21
9	30	11	9	15	32	31	21	17	22	16	16	18
10	17	11	9	12	19	42	23	17	15	16	12	19
11	11	14	11	10	14	48	18	18	20	17	15	17
12	10	9	12	9	12	89	19	18	22	12	14	14
13	95	9	8	23	14	84	20	12	21	17	20	15
14	192	13	15	14	17	185	20	13	21	19	21	19
15	33	13	12	12	45	157	21	15	20	18	21	21
16	14	15	14	28	132	59	21	16	18	15	18	17
17	11	13	15	11	70	29	24	19	15	15	20	27
18	8	13	16	9	37	20	23	20	18	15	23	21
19	8	15	15	9	23	19	18	18	18	18	20	17
20	8	18	12	9	14	19	21	16	17	18	19	15
21	8	15	14	9	93	22	18	13	18	18	16	16
22	8	16	15	10	242	22	22	15	21	18	11	16
23	99	13	15	11	97	23	24	18	18	17	13	26
24	93	15	15	11	71	22	22	18	19	18	16	139
25	46	13	13	11	58	28	15	29	21	13	18	76
26	16	12	11	12	90	38	17	28	17	12	20	43
27	11	11	11	11	147	34	17	17	13	14	20	72
28	9	16	16	12	190	32	13	19	13	18	16	24
29	8	24	13	13	---	28	11	16	18	16	129	18
30	10	62	14	12	---	27	24	20	21	19	46	17
31	11	---	17	12	---	26	---	18	---	20	18	---
TOTAL	1901	451	396	467	1742	1540	604	525	540	475	685	798
MEAN	61	15	13	15	62	50	20	17	18	15	22	27
MAX	1179	233	26	99	295	260	63	35	27	24	217	183
MIN	7	7	0	8	10	17	8	8	11	4	10	10
AC_FT	3771	895	785	926	3455	3055	1198	1042	1071	942	1358	1582

WTR YR 2019 TOTAL 10123 MEAN 28 MAX 1179 MIN 0 AC_FT 20080

New River at Glendale Avenue (#5508), runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	160											
3												
4												
5												
6												
7	8											
8												
9												
10												
11												
12												
13												
14						217						
15												
16												
17												
18												
19												
20												
21					4							
22					315							
23	5				107							
24												72
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	173	0	0	0	425	217	0	0	0	0	0	72
MEAN	6	0	0	0	15	7	0	0	0	0	0	2
MAX	424	0	0	0	325	296	0	0	0	0	0	286
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	343	0	0	0	843	431	0	0	0	0	0	142

WTR YR 2019 TOTAL 887 MEAN 2 MAX 424 MIN 0 AC_FT 1759

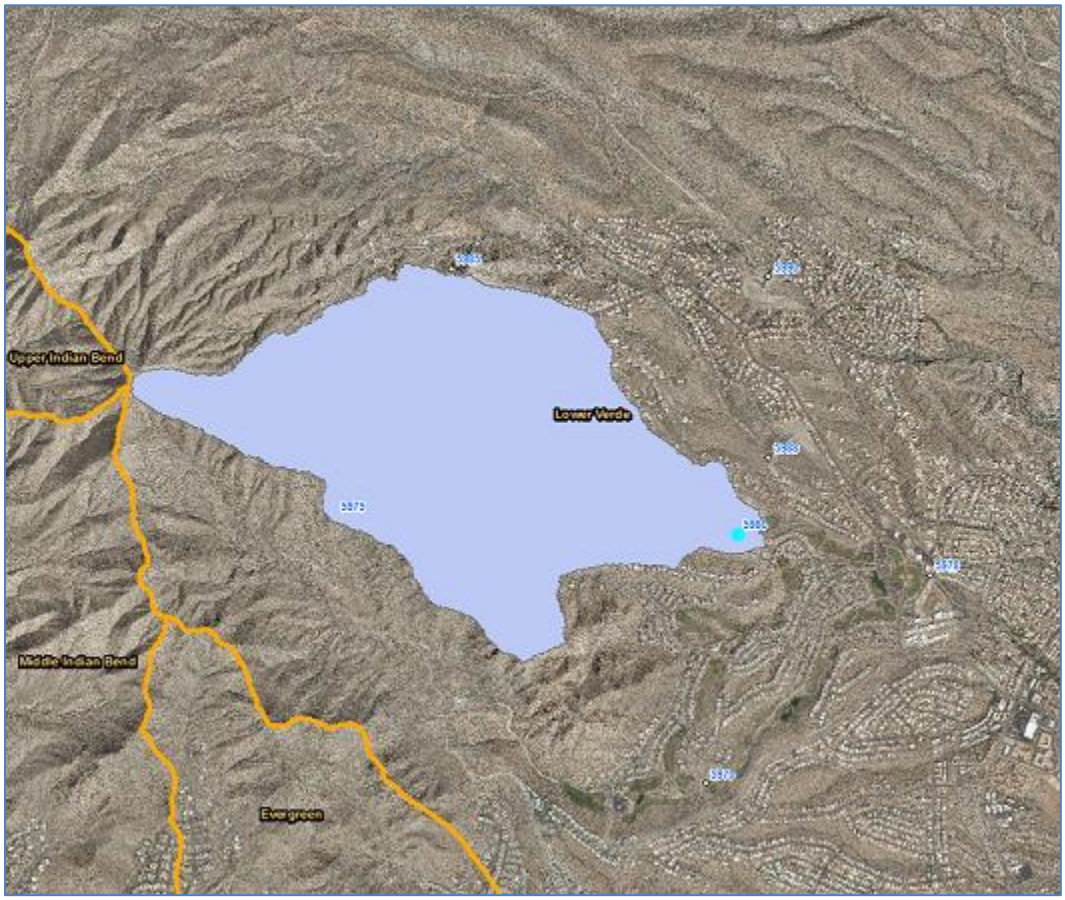
North Heights Dam, ID #5983

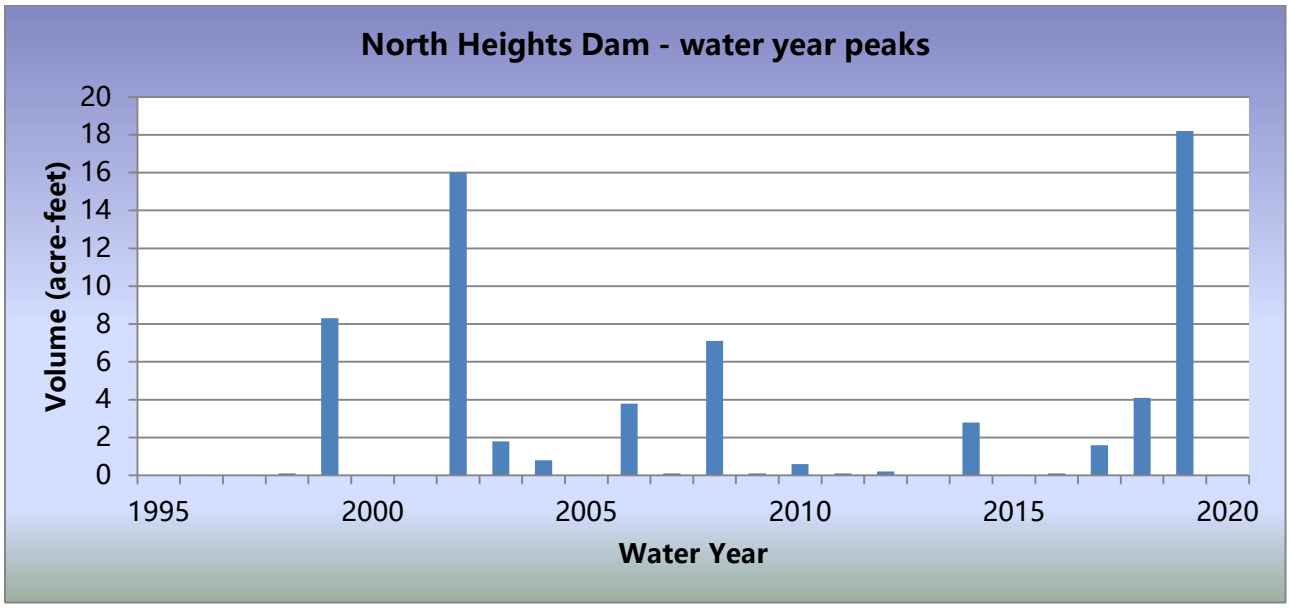


Site Data

LOCATION	Upstream from Golden Eagle Park Dam, to the north and west
DRAINAGE AREA	2.13 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S09 T3N R6E
LATITUDE	N 33° 37' 16.7" | +33.62131
LONGITUDE	W 111° 44' 55.3" | -111.74868
STREAMGAGE INSTALLATION DATE	10/11/1996 - WY 1997
AVAILABLE PERIOD OF RECORD (POR)	10/11/1996 - Current
LENGTH OF AVAILABLE POR DATA	22.97 Years | 8,390 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.25 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,781.26 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	31.7 feet Gage Height
TOP OF DAM ELEVATION	39.6 feet Gage Height

Watershed Map

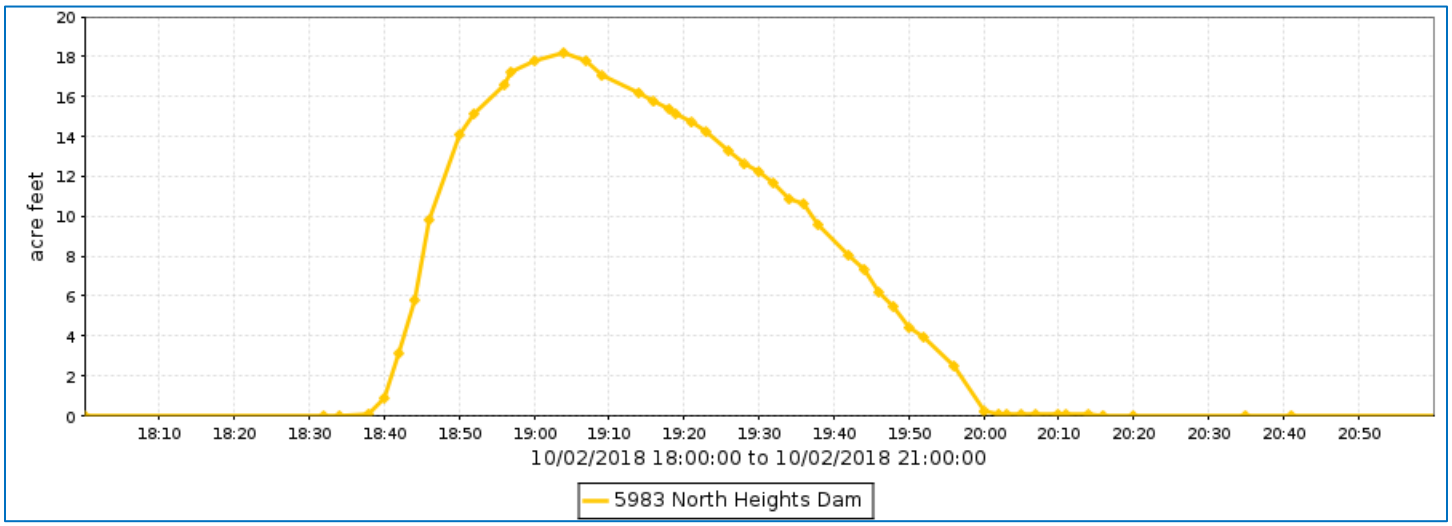




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	15.45	18.2	13.2
10/02/2018	3.67	0.1	<0.1
03/12/2019	2.30	0.1	<0.1
09/23/2019	10.71	6.2	4.5
09/23/2019	8.36	3.1	2.2
09/23/2019	3.67	0.1	<0.1

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



North Heights Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	13											
3	1											
4												
5												
6												
7												
8												
9												
10												
11												
12						4						
13	1					4						
14												
15												
16												
17												
18												
19												
20												
21								2				
22												
23								1				13
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	15	0	0	0	0	8	0	2	0	0	0	13
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	225	0	0	0	0	37	0	3	0	0	0	179
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	30	0	0	0	0	15	0	4	0	0	0	26

WTR YR 2019 TOTAL 38 MEAN 0 MAX 225 MIN 0 AC_FT 75

North Heights Dam, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	18	0	0	0	0	0	0	0	0	0	0	6
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 18 MIN 0

North Heights Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2
13	0.3	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	1.0
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.3
MAX	15.4	0.2	0.2	0.2	0.2	2.3	0.2	0.3	0.2	0.2	0.2	10.7
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.26 MAX 15.45 MIN 0.25

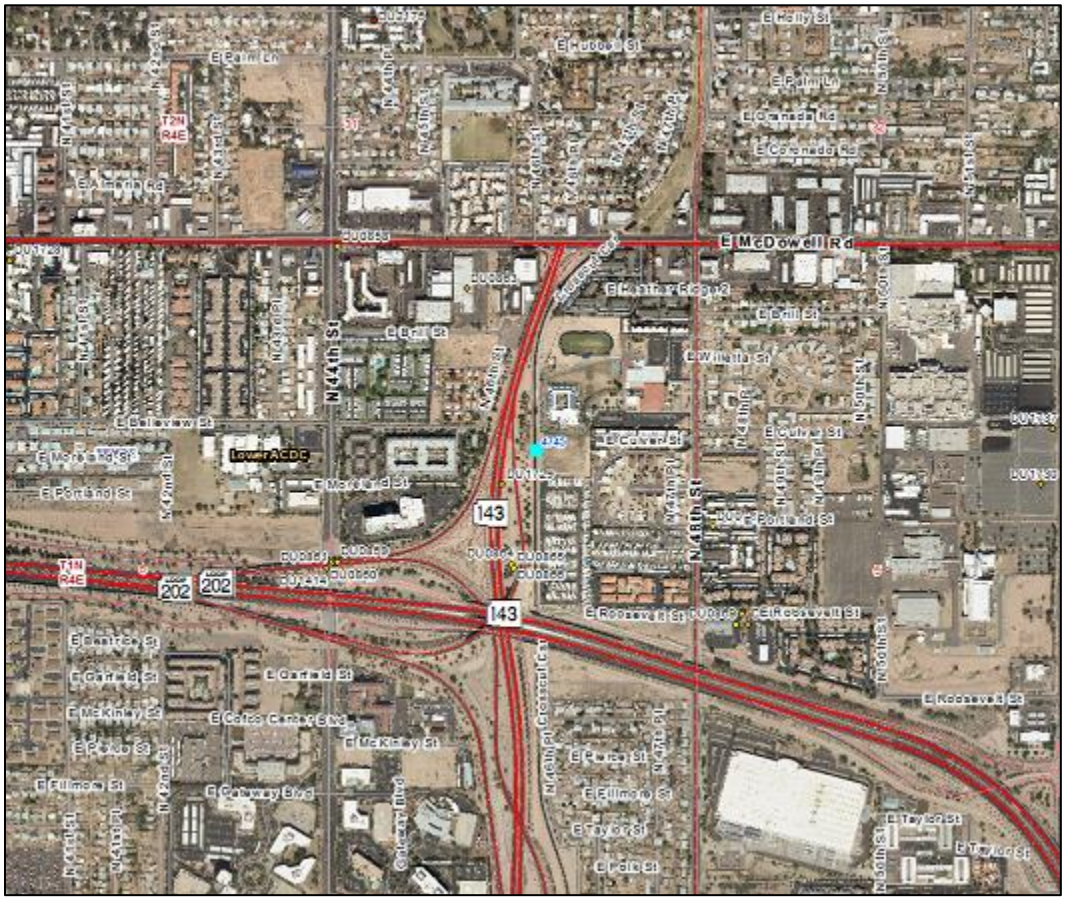
Old Crosscut Canal near McDowell Road, ID #4748

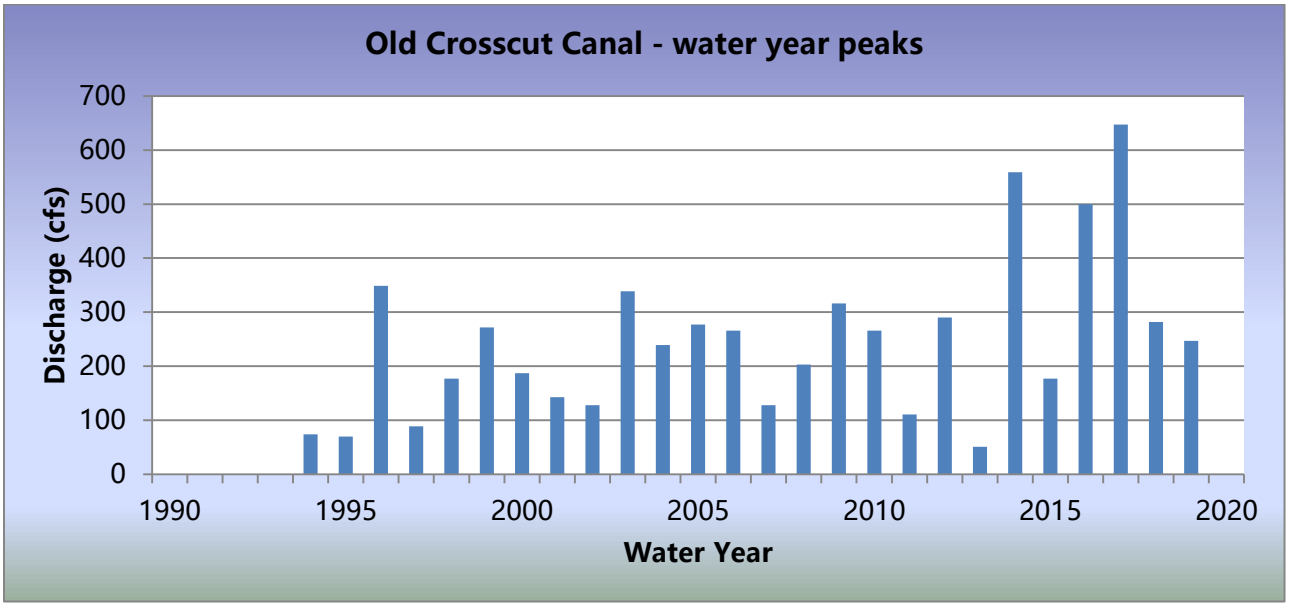


Site Data

LOCATION	Near McDowell Road and SR143
DRAINAGE AREA	Undetermined
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC
SECTION/TOWNSHIP/RANGE	S06 T1N R4E
LATITUDE	N 33° 27' 41.4" | +33.46149
LONGITUDE	W 111° 58' 56.1" | -111.98224
STREAMGAGE INSTALLATION DATE	07/27/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	07/27/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	25.18 Years | 9,197 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,167.01 feet NAVD88
POINT OF ZERO FLOW	-0.28 feet Gage Height
EXTREME FOR PERIOD OF RECORD	647 cfs | 3.15 feet | 08/03/2017

Location Map (*watershed not available*)

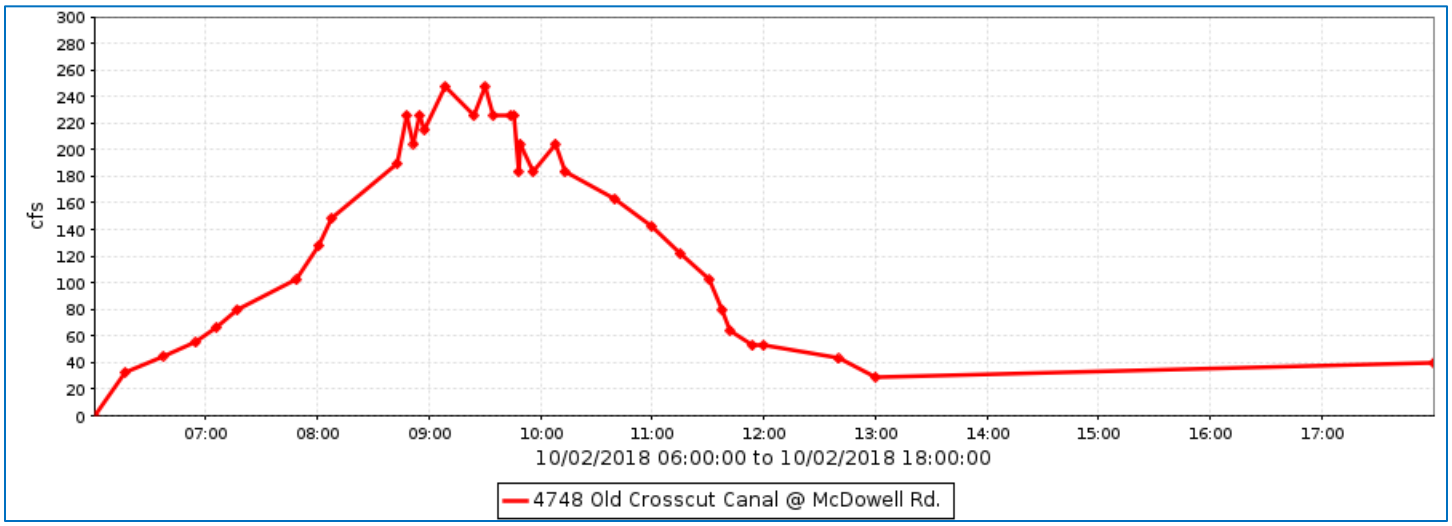




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	1.51	247
10/13/2018	1.36	215
02/22/2019	0.87	114
09/23/2019	0.99	135

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Runoff at this gage is not always in response to rainfall event, and therefore is not appropriate for flood frequency computation.

Old Crosscut Canal near McDowell Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	55											
3												
4		2										
5		33										
6		52		2								
7	8	51										
8		53										
9		81										
10		33										
11		6										
12		43										
13	43	44										
14		31										
15		12										
16		12										
17		18										
18		18										
19		12										
20												
21					9							
22					61							
23					1							1
24												
25												
26												
27												
28												
29					---		1					
30		2			---							
31		---			---		---		---			---
TOTAL	106	505	0	2	72	0	1	0	0	0	0	1
MEAN	3	17	0	0	3	0	0	0	0	0	0	0
MAX	247	91	---	31	113	0	31	0	0	0	0	135
MIN	---	---	---	0	0	0	0	0	0	0	0	0
AC_FT	210	1001	0	3	142	0	2	0	0	0	0	3

WTR YR 2019 TOTAL 686 MEAN 2 MAX 247 MIN 0 AC_FT 1361

NOTE: There is often a persistent base flow at this site due to SRP releases upstream, and ground water flow into the canal upstream.

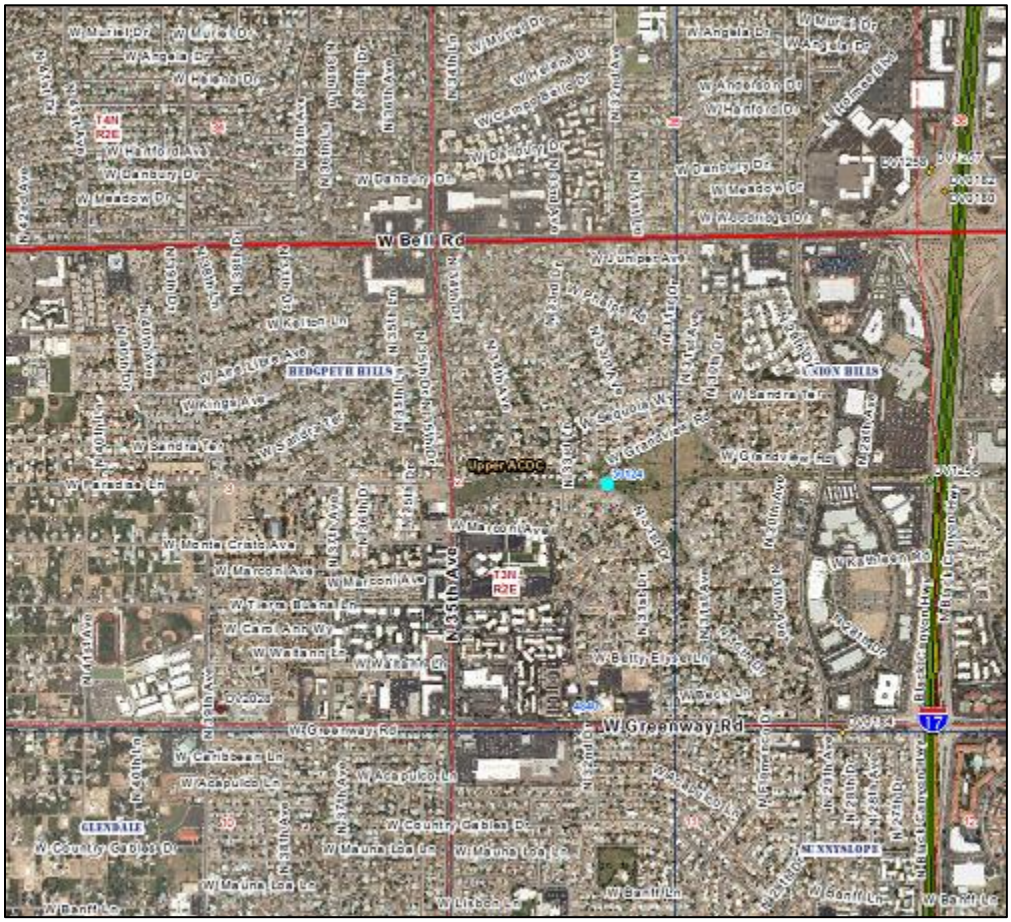
Paradise Lane at 33rd Drive Basin, ID #12407

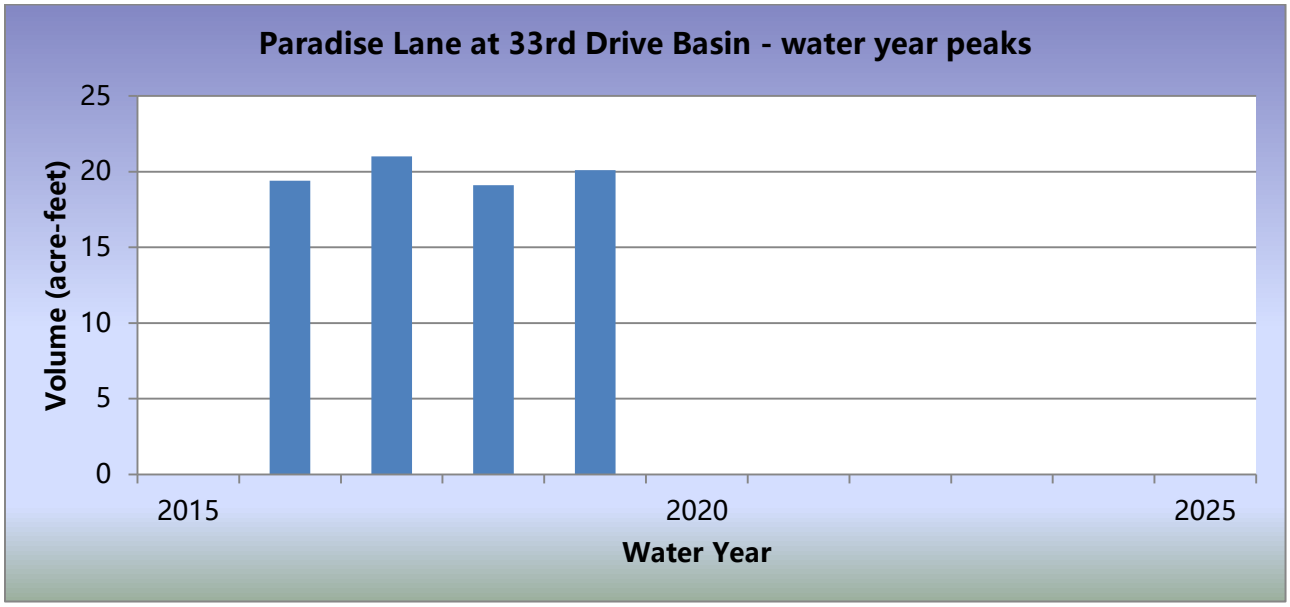


Site Data

LOCATION	Located along Paradise Lane at the west end of Conocido Park
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S02 T3N R2E
LATITUDE	N 33° 37' 56.7" | +33.63240
LONGITUDE	W 112° 07' 41.2" | -112.12812
STREAMGAGE INSTALLATION DATE	10/08/2015 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	10/08/2015 - Current
LENGTH OF AVAILABLE POR DATA	3.98 Years | 1,454 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.23 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,308.23 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	4.75 feet Gage Height
TOP OF BASIN ELEVATION	4.9 feet Gage Height

Location Map

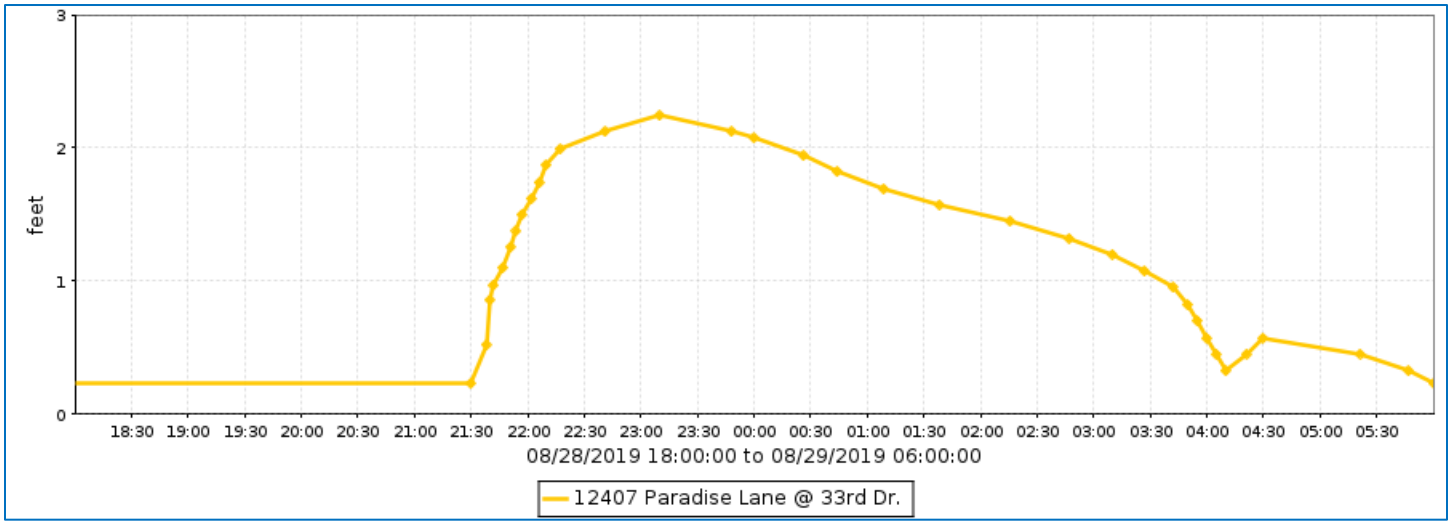




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	0.92	6.6	10.1
10/07/2018	2.19	19.5	29.9
10/13/2018	2.17	19.2	29.4
10/23/2018	1.30	10.0	15.3
11/30/2018	1.85	15.6	23.9
01/06/2019	1.37	10.6	16.3
02/21/2019	1.78	14.8	22.7
03/12/2019	0.95	6.8	10.4
08/28/2019	2.24	20.1	30.8
09/24/2019	1.27	9.7	14.9
09/26/2019	0.97	7.0	10.7

Hydrograph of peak WY 2019 impoundment event, 08/28/2019



Paradise Lane at 33rd Drive Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	8											
3	5				4							
4	1											
5												
6				10								
7	7											
8	1											
9												
10												
11	1											
12	1					5						
13	10											
14					1							
15				1	1							
16												
17												
18												
19												
20	1											
21	1				9							
22	2				14							
23	4											4
24												4
25												
26	1											1
27	1											
28	1										2	
29	1	1			---						3	
30		5			---							
31		---			---		---		---			---
TOTAL	46	6	0	11	29	6	0	0	0	0	5	10
MEAN	1	0	0	0	1	0	0	0	0	0	0	0
MAX	21	18	2	16	17	14	0	0	0	0	21	16
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	91	11	1	21	58	12	0	0	0	0	10	20

WTR YR 2019 TOTAL 113 MEAN 0 MAX 21 MIN 0 AC_FT 224

Paradise Lane at 33rd Drive Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	4											
3	3				2							
4												
5												
6				6								
7	5											
8												
9												
10												
11												
12						2						
13	8											
14					1							
15												
16												
17												
18												
19												
20												
21					7							
22					9							
23	2											2
24												2
25												
26												1
27												
28											2	
29					---						2	
30		4			---							
31		---			---		---		---			---
MEAN	1	0	0	0	1	0	0	0	0	0	0	0
MAX	19	16	0	11	15	7	0	0	0	0	20	10
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 20 MIN 0

Paradise Lane at 33rd Drive, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.5	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.3	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2
13	1.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.3	0.2	0.2	0.2	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.3	0.2	0.2	0.2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
24	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2
29	0.3	0.3	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.5	0.2
30	0.2	0.6	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	2.2	1.9	0.3	1.4	1.8	0.9	0.2	0.2	0.2	0.2	2.2	1.3
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.25 MAX 2.24 MIN 0.23

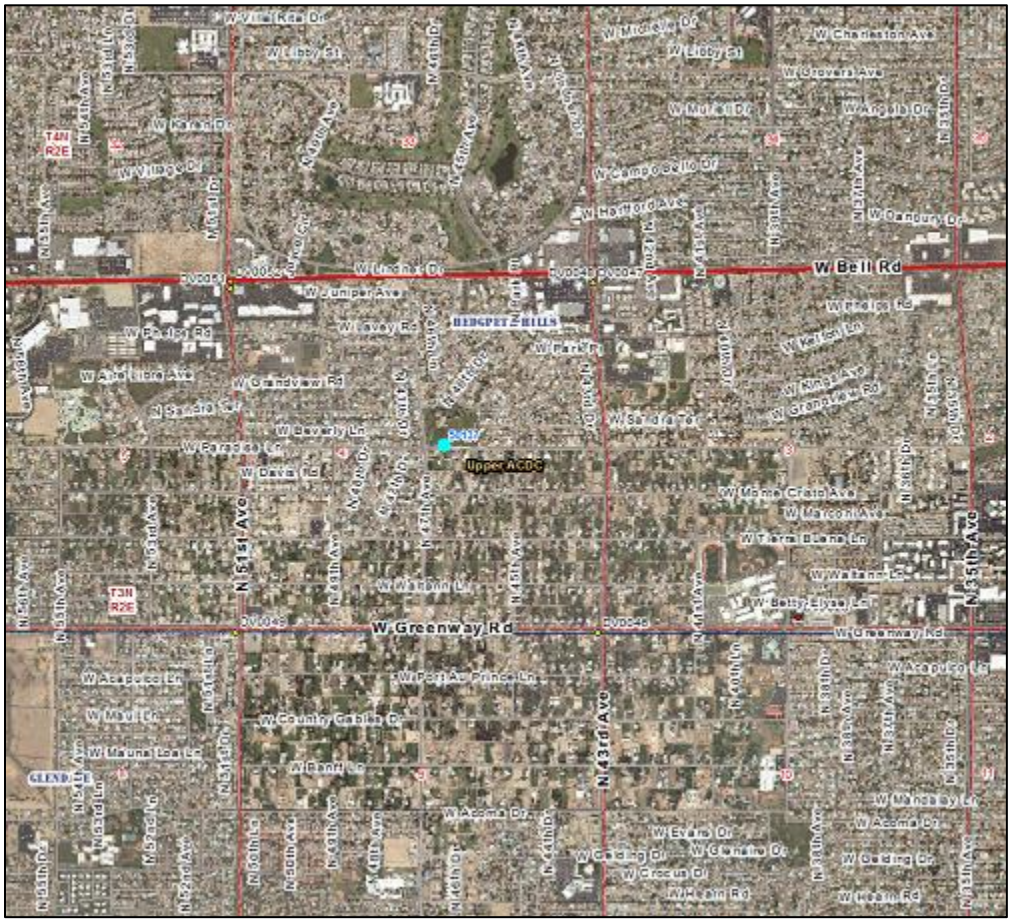
Paradise Lane at 47th Avenue Basin, ID #13707

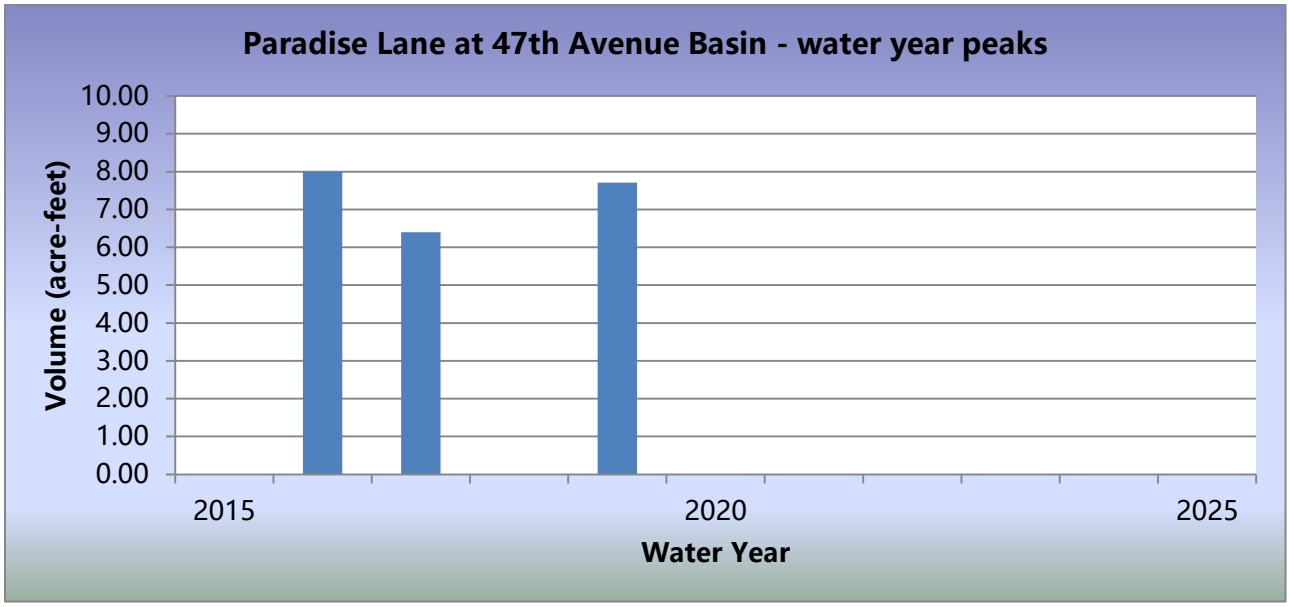


Site Data

LOCATION	Located on the northeast corner of Paradise Ln and 47th Ave
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S04 T3N R2E
LATITUDE	N 33° 37' 56.8" | +33.63244
LONGITUDE	W 112° 09' 31.4" | -112.15873
STREAMGAGE INSTALLATION DATE	10/08/2015 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	10/08/2015 - Current
LENGTH OF AVAILABLE POR DATA	3.98 Years | 1,454 Days
DATA GAPS IN POR	03/21/2017 – 02/21/2018 (337 Days)
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,267.39 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	4.5 feet Gage Height

Location Map

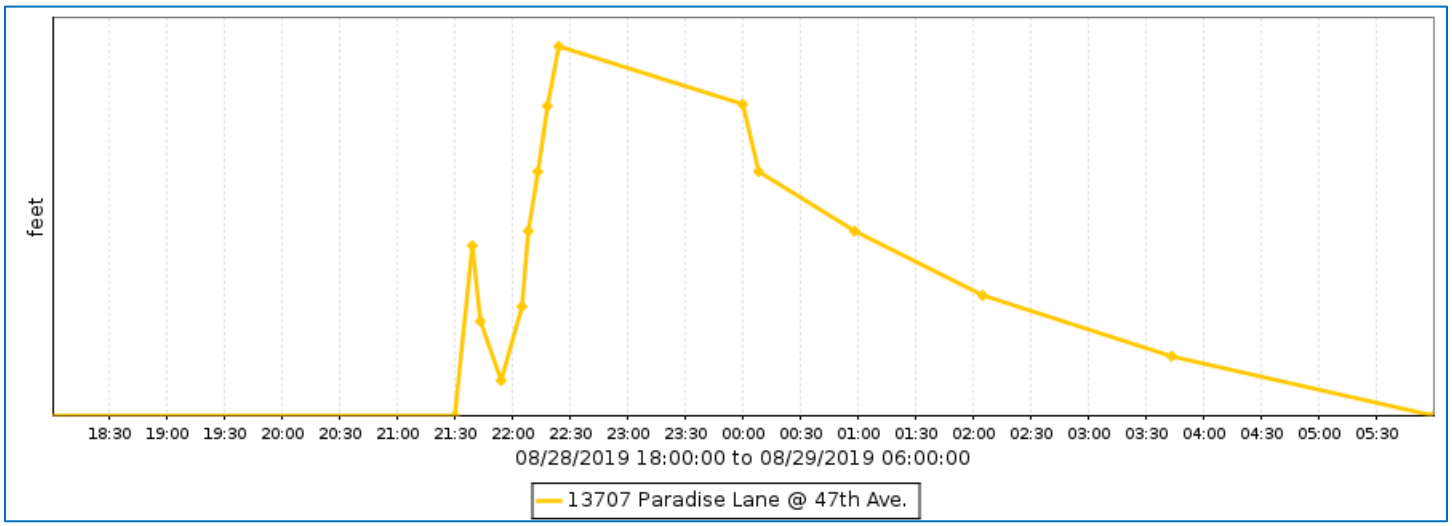




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	0.79	7.25	17.5
10/07/2018	0.49	4.51	10.9
10/13/2018	0.39	3.72	9.0
08/28/2019	0.84	7.70	18.6
09/26/2019	0.70	6.40	0.2

Hydrograph of peak WY 2019 impoundment event, 08/28/2019



Paradise Lane at 47th Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Paradise Lane at 47th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23	1											
24												
25												
26												
27												
28											1	
29					---						1	
30		1			---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	7	3	0	2	3	0	0	2	0	0	8	6
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 8 MIN 0

Paradise Lane at 47th Avenue Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.2	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	0.8	0.3	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.8	0.7
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.10 MAX 0.84 MIN 0.10

Pecos Sediment Basin, ID #6537

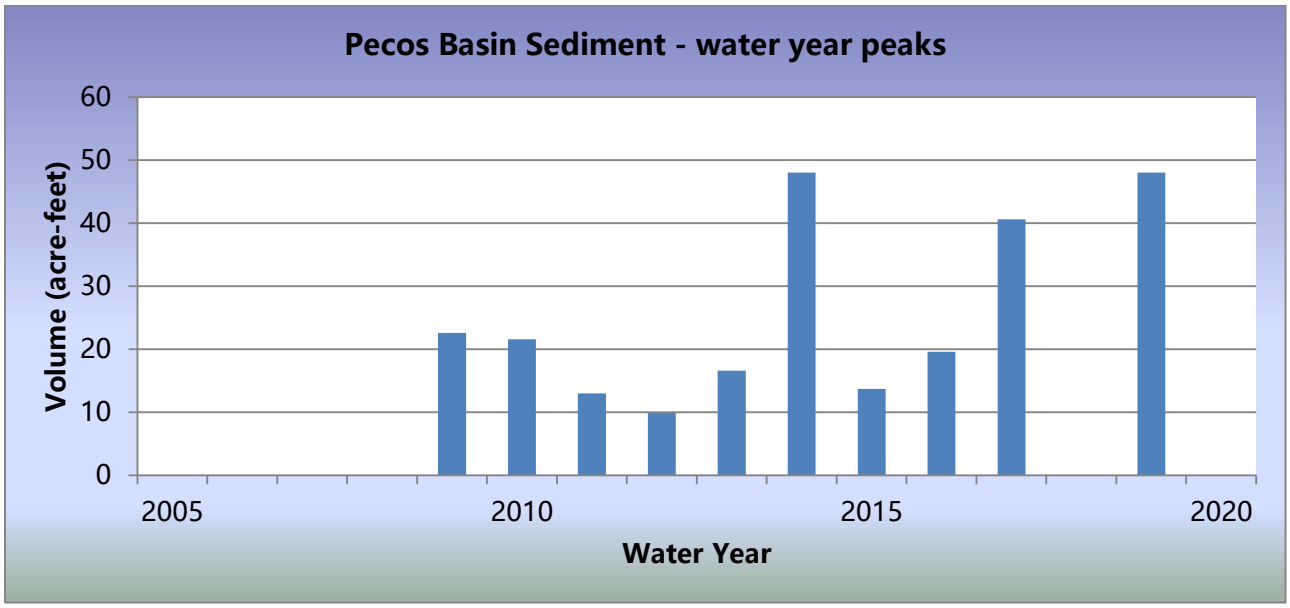


Site Data

LOCATION	In Pecos Park near 48th Street and Loop 202
DRAINAGE AREA	5.0 mi^2
STREAM TYPE	Engineered Drainage System
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S32 T1S R4E
LATITUDE	N 33° 17' 38.3" | +33.29396
LONGITUDE	W 111° 58' 39.0" | -111.97751
STREAMGAGE INSTALLATION DATE	01/06/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	01/06/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.73 Years | 3,920 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.48 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,141.84 feet NAVD88
POINT OF ZERO FLOW (GATED OUTLET)	4.71 feet Gage Height
SEDIMENT BASIN WEIR ELEVATION	18.0 feet Gage Height
BASIN SPILLWAY CREST ELEVATION	21.0 feet Gage Height
TOP OF DAM ELEVATION	22.0 feet Gage Height

Location Map

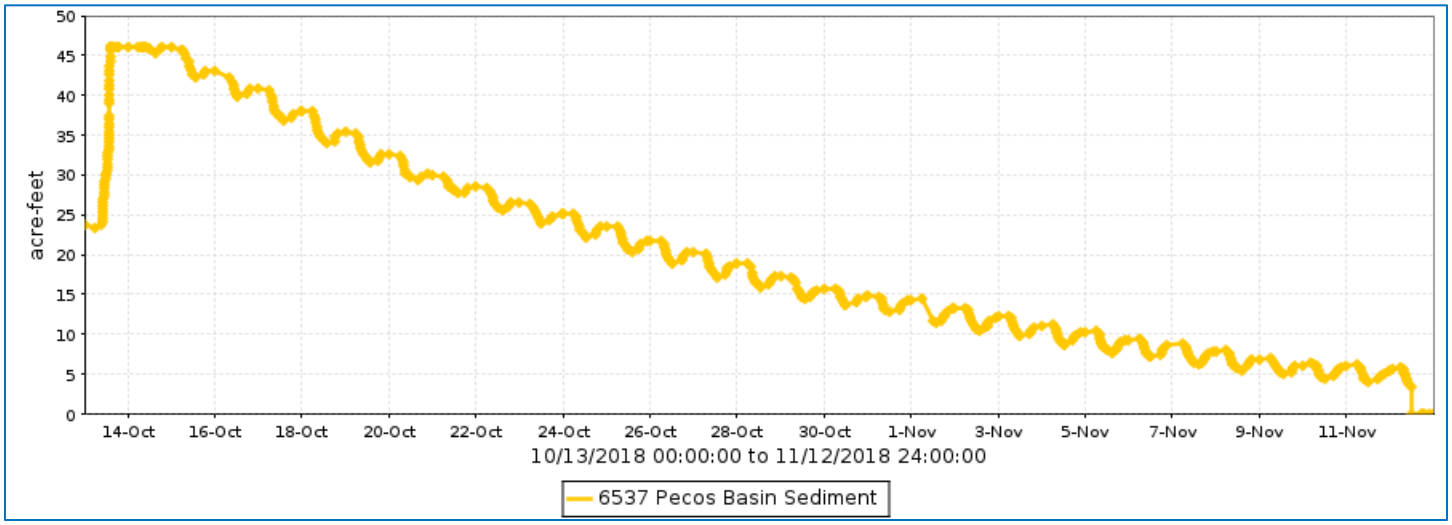




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/14/2018	18.68	> 46.0	> 100.0
02/22/2019	12.53	28.8	62.6
09/26/2019	3.63	6.9	15.0

Hydrograph of peak WY 2019 impoundment event, 10/14/2018



Pecos Sediment Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		10				14						
2		5				10						
3		2				6						
4	24					3						
5	37											
6	---											
7	---											
8	35											
9	33											
10	31											
11	29											
12	28											
13	183											
14	247											
15	46											
16	41											
17	39											
18	37											
19	35											
20	33											
21	31				1							
22	30				30							
23	28				29							
24	27				27							
25	25				25							
26	23				23							
27	21				20							
28	19				17							
29	17				---							
30	14				---							
31	12	---			---		---		---			---
TOTAL	1203	17	0	0	171	33	0	0	0	0	0	0
MEAN	39	1	0	0	6	1	0	0	0	0	0	0
MAX	642	14	0	0	31	17	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2386	34	0	0	340	65	0	0	0	0	0	0

WTR YR 2019 TOTAL 1424 MEAN 4 MAX 642 MIN 0 AC_FT 2824

Pecos Sediment Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		13				15						
2		12			2	13						
3		11			4	12						
4	24	10			4	11						
5	36	9			4	10						
6	---	8			6	9						
7	---	8			6	8						
8	33	7			5	7						
9	31	6			5	6						
10	29	5			4	5						
11	27	5			4	4						
12	24	3			4	5						
13	34				4	4						
14	46				4	2						
15	44				3							
16	41				4							
17	39				4							
18	36				4							
19	33				4							
20	31				4							
21	29				5							
22	27				27							
23	25				26							
24	24				24							
25	22				22							
26	20				20							2
27	19				18							6
28	17				16							5
29	16				---							5
30	15				---							3
31	14	---			---		---		---			---
MEAN	26	3	0	0	9	4	0	0	0	0	0	1
MAX	---	14	0	0	29	16	0	0	0	0	0	7
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 4 MAX --- MIN 0

Pecos Sediment Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	6.6	1.5	1.5	1.5	7.1	1.5	1.5	1.5	1.5	1.5	1.5
2	1.5	6.0	1.5	1.5	1.7	6.6	1.5	1.5	1.5	1.5	1.5	1.5
3	1.5	5.5	1.5	1.5	2.3	6.1	1.5	1.5	1.5	1.5	1.5	1.5
4	10.2	5.1	1.5	1.5	2.3	5.6	1.5	1.5	1.5	1.5	1.5	1.5
5	14.8	4.7	1.5	1.5	2.3	5.1	1.5	1.5	1.5	1.5	1.5	1.5
6	---	4.3	1.5	1.5	3.0	4.5	1.5	1.5	1.5	1.5	1.5	1.5
7	---	4.0	1.5	1.5	3.0	4.1	1.5	1.5	1.5	1.5	1.5	1.5
8	14.0	3.6	1.5	1.5	2.8	3.8	1.5	1.5	1.5	1.5	1.5	1.5
9	13.4	3.2	1.5	1.5	2.8	3.4	1.5	1.5	1.5	1.5	1.5	1.5
10	12.5	2.9	1.5	1.5	2.5	2.8	1.5	1.5	1.5	1.5	1.5	1.5
11	11.7	2.7	1.5	1.5	2.3	2.4	1.5	1.5	1.5	1.5	1.5	1.5
12	11.0	2.1	1.5	1.5	2.3	2.6	1.5	1.5	1.5	1.5	1.5	1.5
13	14.3	1.5	1.5	1.5	2.3	2.4	1.5	1.5	1.5	1.5	1.5	1.5
14	18.2	1.5	1.5	1.5	2.2	1.9	1.5	1.5	1.5	1.5	1.5	1.5
15	17.4	1.5	1.5	1.5	2.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
16	16.6	1.5	1.5	1.5	2.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
17	15.8	1.5	1.5	1.5	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18	14.9	1.5	1.5	1.5	2.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
19	14.0	1.5	1.5	1.5	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
20	13.2	1.5	1.5	1.5	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
21	12.5	1.5	1.5	1.5	2.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5
22	11.9	1.5	1.5	1.5	12.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
23	11.2	1.5	1.5	1.5	11.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5
24	10.7	1.5	1.5	1.5	10.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
25	10.0	1.5	1.5	1.5	10.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
26	9.4	1.5	1.5	1.5	9.2	1.5	1.5	1.5	1.5	1.5	1.5	2.0
27	8.8	1.5	1.5	1.5	8.4	1.5	1.5	1.5	1.5	1.5	1.5	3.2
28	8.3	1.5	1.5	1.5	7.8	1.5	1.5	1.5	1.5	1.5	1.5	2.8
29	7.7	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	2.5
30	7.2	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	2.2
31	6.8	---	1.5	1.5	---	1.5	---	1.5	---	1.5	1.5	---
MEAN	11.3	2.6	1.5	1.5	4.3	2.7	1.5	1.5	1.5	1.5	1.5	1.7
MAX	18.7	7.1	1.5	1.5	12.5	7.7	1.5	1.5	1.5	1.5	1.5	3.6
MIN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

WTR YR 2019 MEAN 2.74 MAX 18.68 MIN 1.48

Pecos Basin Pool, ID #6538

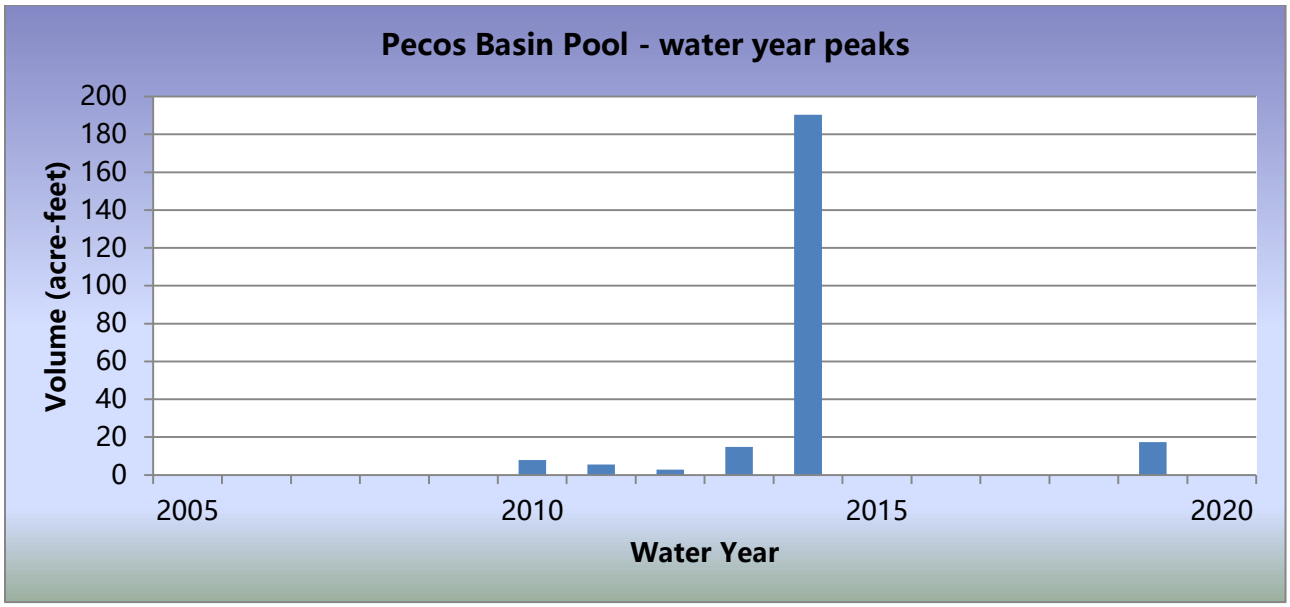


Site Data

LOCATION	In Pecos Park near 48th Street and Loop 202
DRAINAGE AREA	5.0 mi^2
STREAM TYPE	Engineered Drainage System
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S32 T1S R4E
LATITUDE	N 33° 17' 38.3" | +33.29369
LONGITUDE	W 111° 58' 39.0" | -111.97751
STREAMGAGE INSTALLATION DATE	01/06/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	01/06/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.73 Years | 3,920 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	6.05 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,141.84 feet NAVD88
PZF (GATED OUTLET, ABOUT 1600 FT DS)	1.75 feet Gage Height
SPILLWAY CREST ELEVATION	21.0 feet Gage Height
TOP OF DAM ELEVATION	22.0 feet Gage Height

Location Map

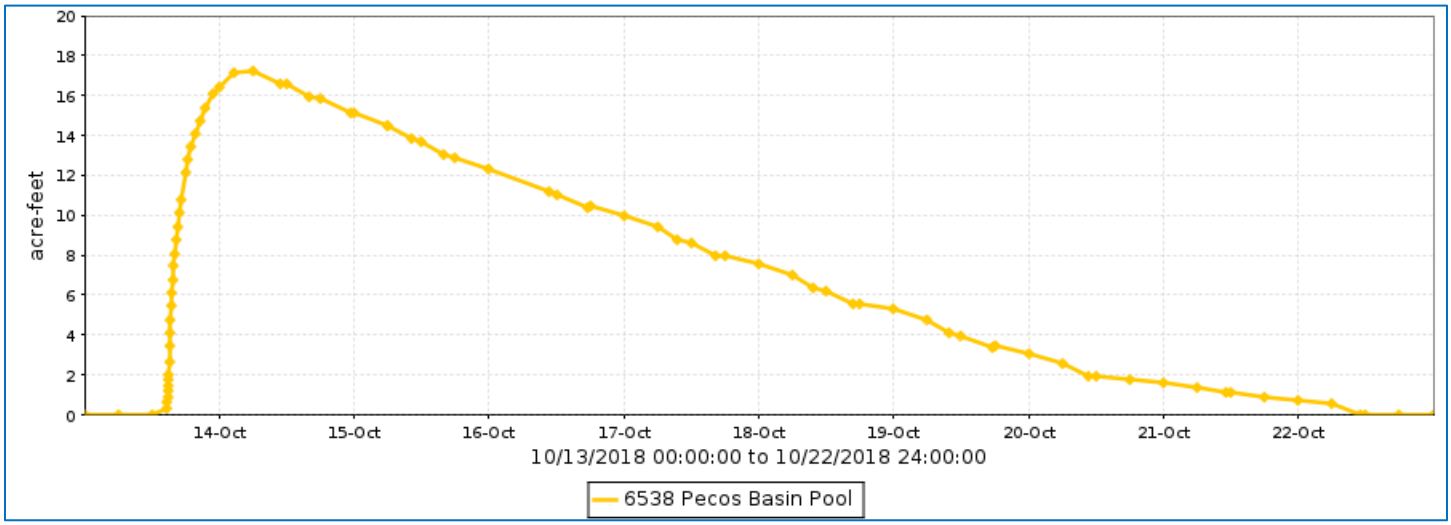




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/03/2018	9.24	13.9	4.0
10/14/2018	9.86	17.3	4.9

Hydrograph of peak WY 2019 impoundment event, 10/14/2018



Pecos Basin Pool, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	33											
3	62											
4	58											
5	57											
6	56											
7	55											
8	54											
9	13											
10												
11												
12												
13	24											
14	65											
15	63											
16	61											
17	58											
18	57											
19	56											
20	55											
21	54											
22	24											
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	904	0	0	0	0	0	0	0	0	0	0	0
MEAN	29	0	0	0	0	0	0	0	0	0	0	0
MAX	65	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1793	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 904 MEAN 2 MAX 65 MIN 0 AC_FT 1793

Pecos Basin Pool, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	6											
3	12											
4	9											
5	6											
6	4											
7	2											
8	1											
9												
10												
11												
12												
13	5											
14	17											
15	14											
16	11											
17	9											
18	6											
19	4											
20	2											
21	1											
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	4	0	0	0	0	0	0	0	0	0	0	0
MAX	17	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 17 MIN 0

Pecos Basin Pool, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2	7.4	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
3	8.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
4	8.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5	7.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
6	7.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
7	6.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
8	6.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
9	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
10	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
11	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
12	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
13	7.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
14	9.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
15	9.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
16	8.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
17	8.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
18	7.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
19	7.4	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
20	7.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
21	6.6	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
22	6.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
23	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
24	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
25	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
26	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
27	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
28	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
29	6.0	6.0	6.0	6.0	---	6.0	6.0	6.0	6.0	6.0	6.0	6.0
30	6.0	6.0	6.0	6.0	---	6.0	6.0	6.0	6.0	6.0	6.0	6.0
31	6.0	---	6.0	6.0	---	6.0	---	6.0	---	6.0	6.0	---
MEAN	7.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
MAX	9.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
MIN	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

WTR YR 2019 MEAN 6.13 MAX 9.86 MIN 6.05

Pecos North Inflow, ID #6532

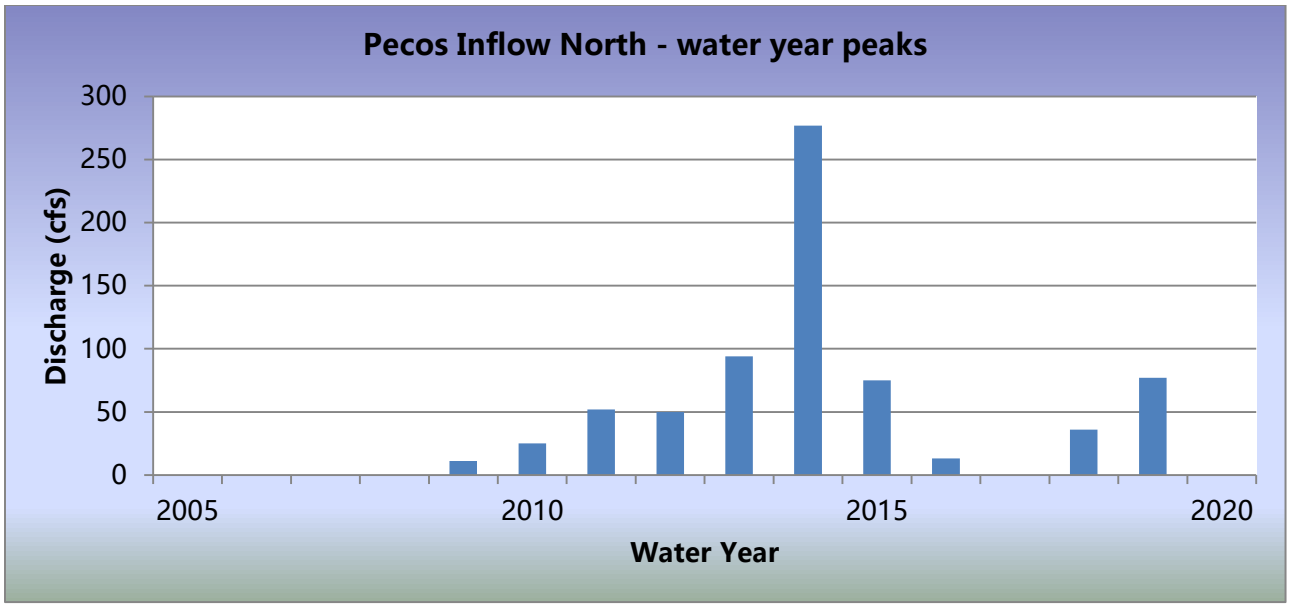


Site Data

LOCATION	Located on 48th Street south of Frye Road
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S31 T1S R4E
LATITUDE	N 33° 17' 49.0" | +33.29695
LONGITUDE	W 111° 58' 49.8" | -111.98051
STREAMGAGE INSTALLATION DATE	01/21/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	01/21/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.69 Years | 3,905 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,173.24 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	277 cfs | 3.12 feet Gage Height | 09/08/2014

Location Map (watershed not defined)

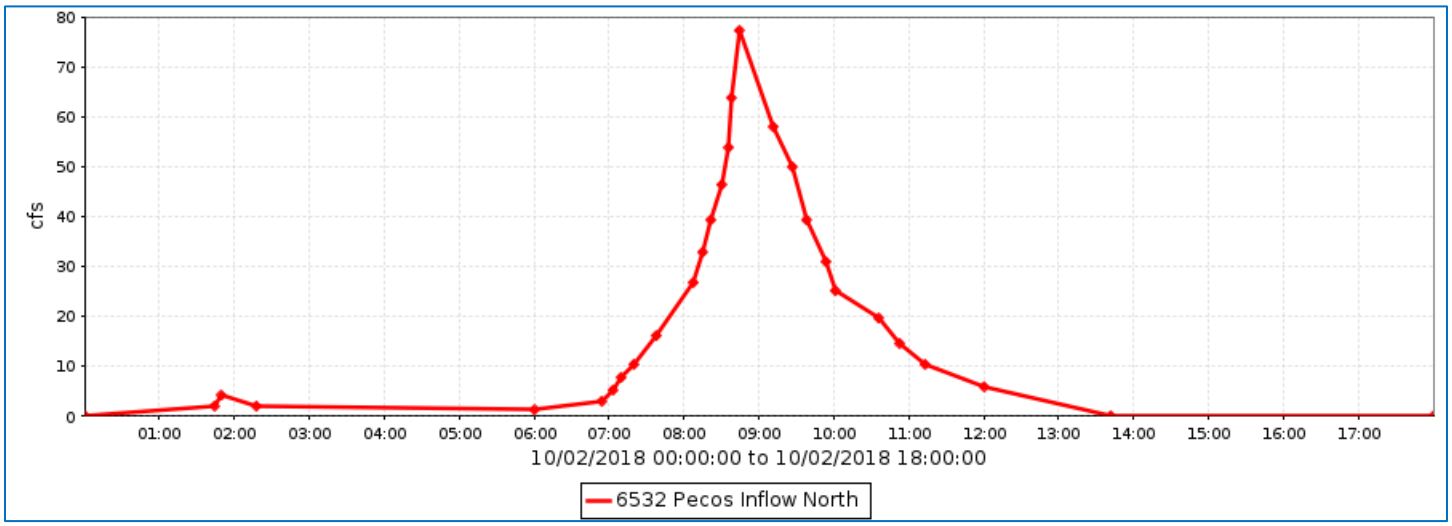




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	1.60	77
10/13/2018	1.48	66
02/21/2019	0.93	27

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Pecos North Inflow, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	7											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	5											
14												
15												
16												
17												
18												
19												
20												
21					2							
22					4							
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	12	0	0	0	6	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	77	0	0	0	27	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	23	0	0	0	12	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 18 MEAN 0 MAX 77 MIN 0 AC_FT 35

Pecos East Inflow, ID #6533

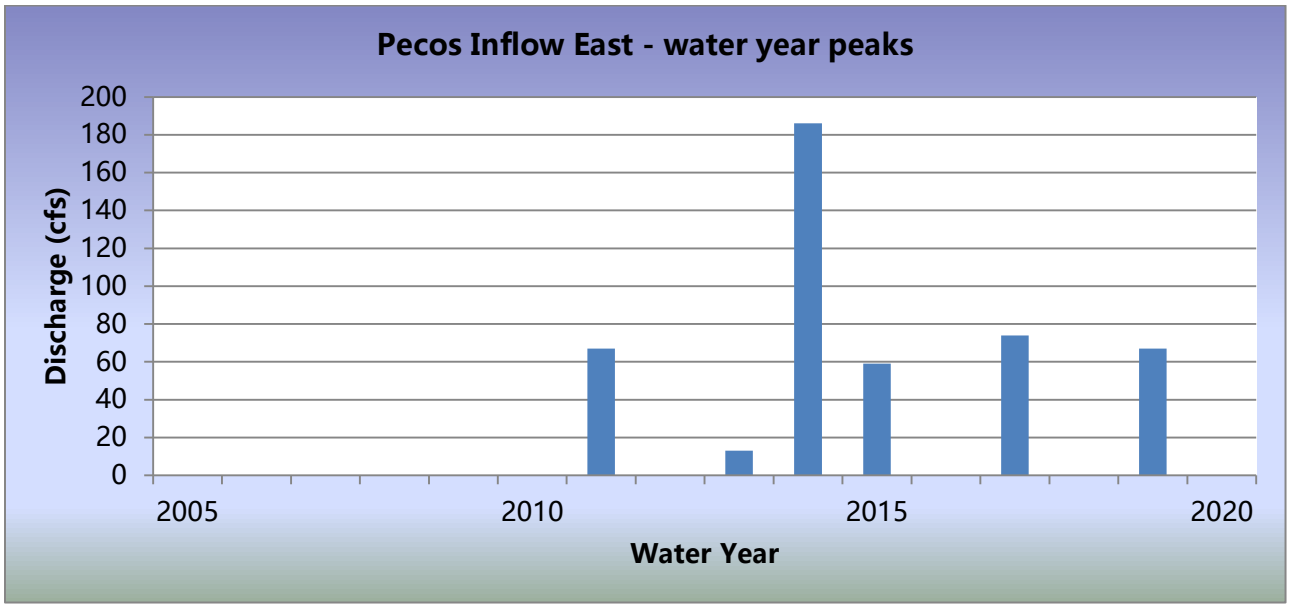


Site Data

LOCATION	Located east of 48th Street on the north side of SR 202L
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S32 T1S R4E
LATITUDE	N 33° 17' 47.9" | +33.29663
LONGITUDE	W 111° 58' 41.5" | -111.97820
STREAMGAGE INSTALLATION DATE	01/21/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	01/21/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.69 Years | 3,905 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.73 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,165.69 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	186 cfs | 1.86 feet gage height | 09/08/2014

Location Map

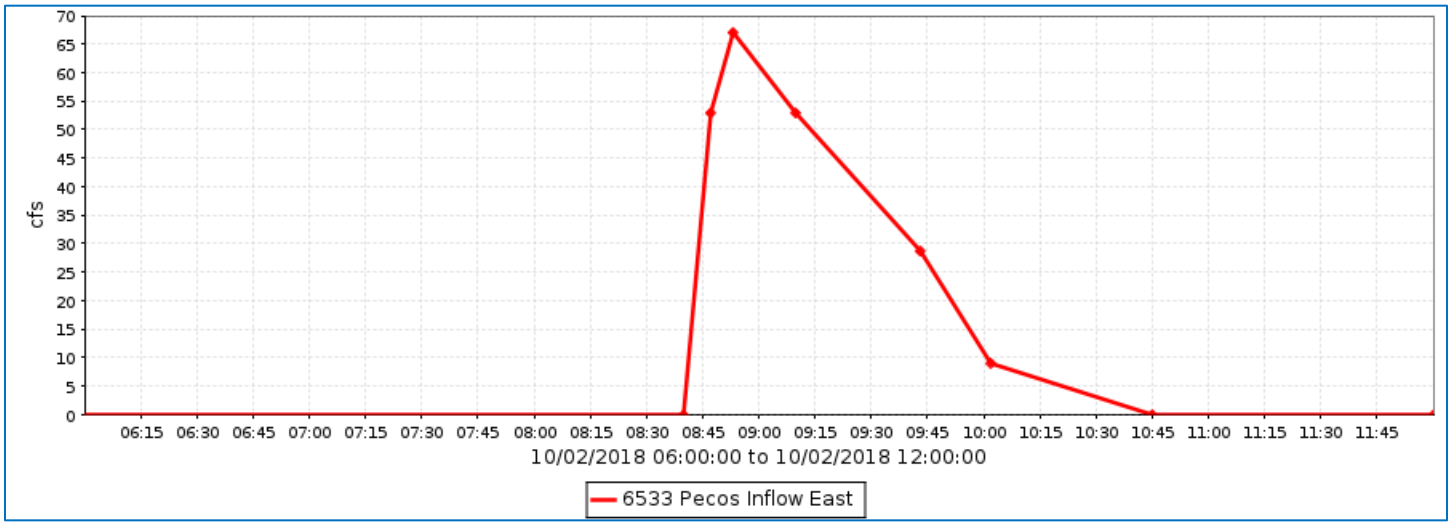




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	1.13	67
10/13/2018	0.93	29

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Pecos East Inflow, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	3											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	4	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	67	0	0	1	0	0	0	1	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	7	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 4 MEAN 0 MAX 67 MIN 0 AC_FT 8

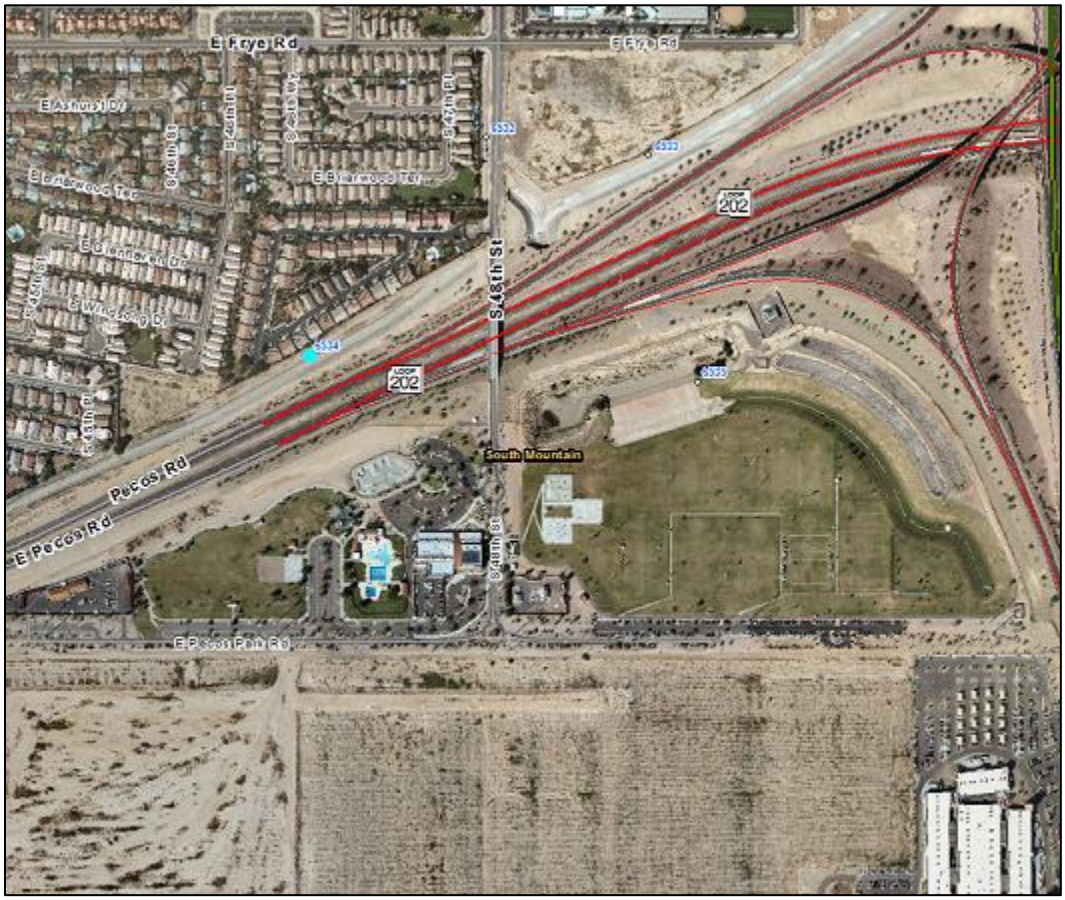
Pecos West Inflow, ID #6534

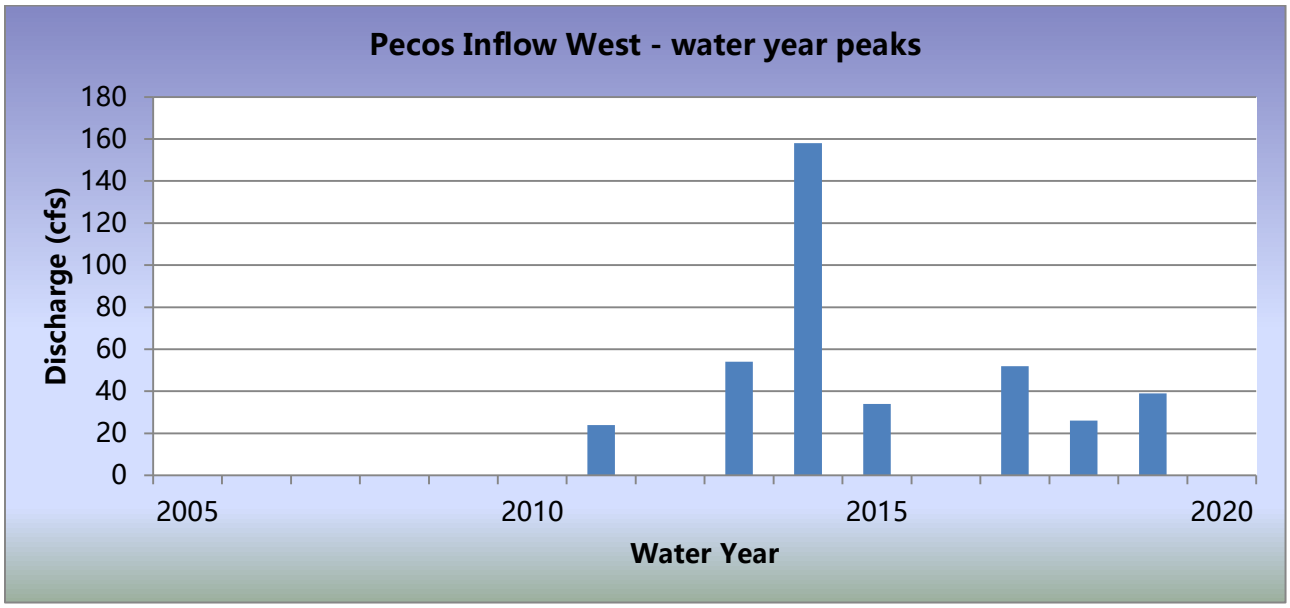


Site Data

LOCATION	Located west of 48th Street and north of SR 202L
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S31 T1S R4E
LATITUDE	N 33° 17' 39.3" | +33.29425
LONGITUDE	W 111° 58' 58.7" | -111.98298
STREAMGAGE INSTALLATION DATE	01/21/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	01/21/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.69 Years | 3,905 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.75 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,163.24 feet NAVD88
POINT OF ZERO FLOW	0.05 feet Gage Height
EXTREME FOR PERIOD OF RECORD	158 cfs | 2.60 feet Gage Height | 09/08/2014

Location Map

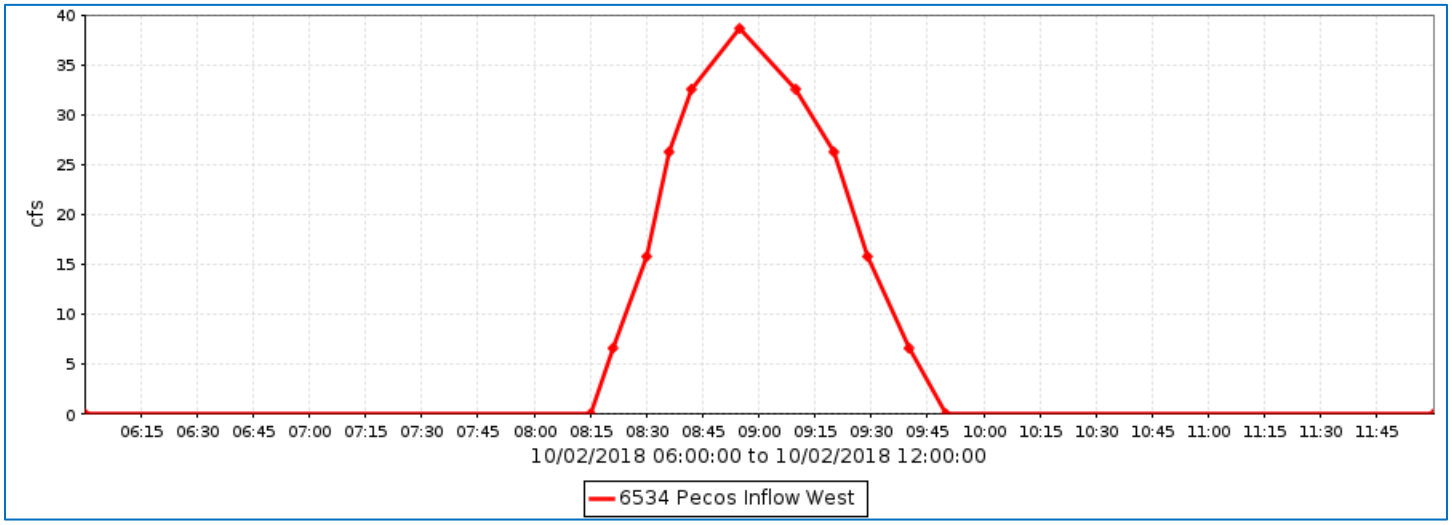




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	1.28	39
10/13/2018	1.18	33

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Pecos West Inflow, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	39	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	5	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 2 MEAN 0 MAX 39 MIN 0 AC_FT 5

Phoenix Dam #2A, ID #4789

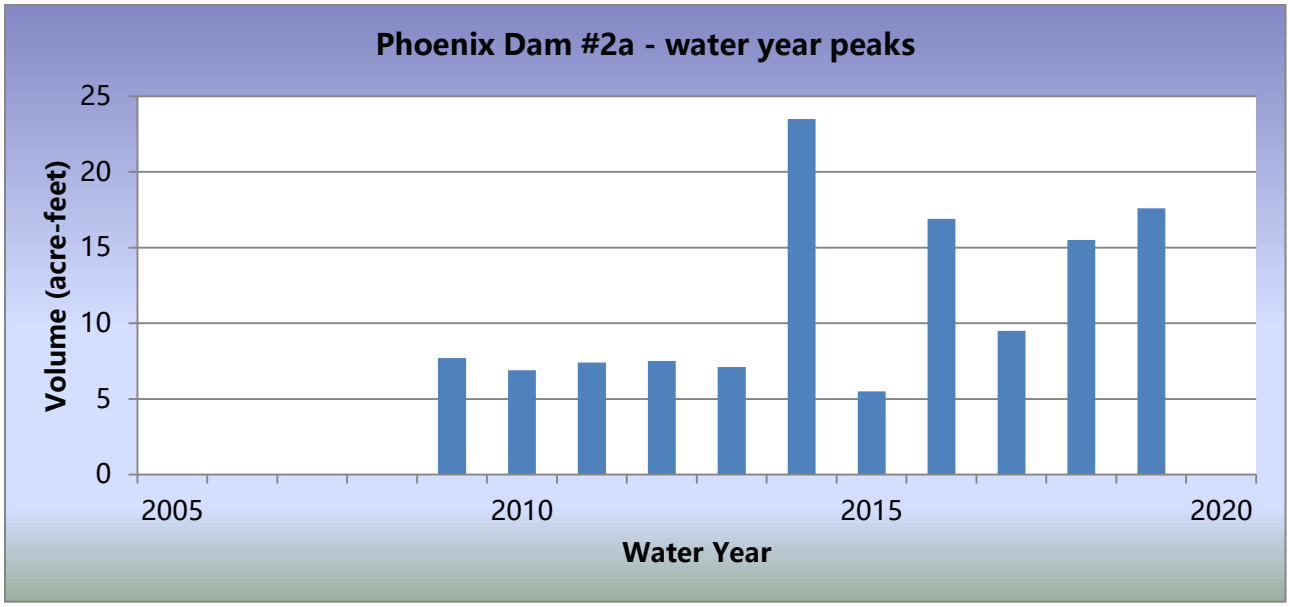


Site Data

LOCATION	On 7th Street south of Thunderbird Road
DRAINAGE AREA	0.75 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S16 T3N R3E
LATITUDE	N 33° 36' 13.2" | +33.60366
LONGITUDE	W 112° 03' 52.8" | -112.06466
STREAMGAGE INSTALLATION DATE	06/29/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	06/29/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.26 Years | 3,746 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,393.62 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	16.5 feet Gage Height
TOP OF DAM ELEVATION	22.5 feet Gage Height

Watershed Map

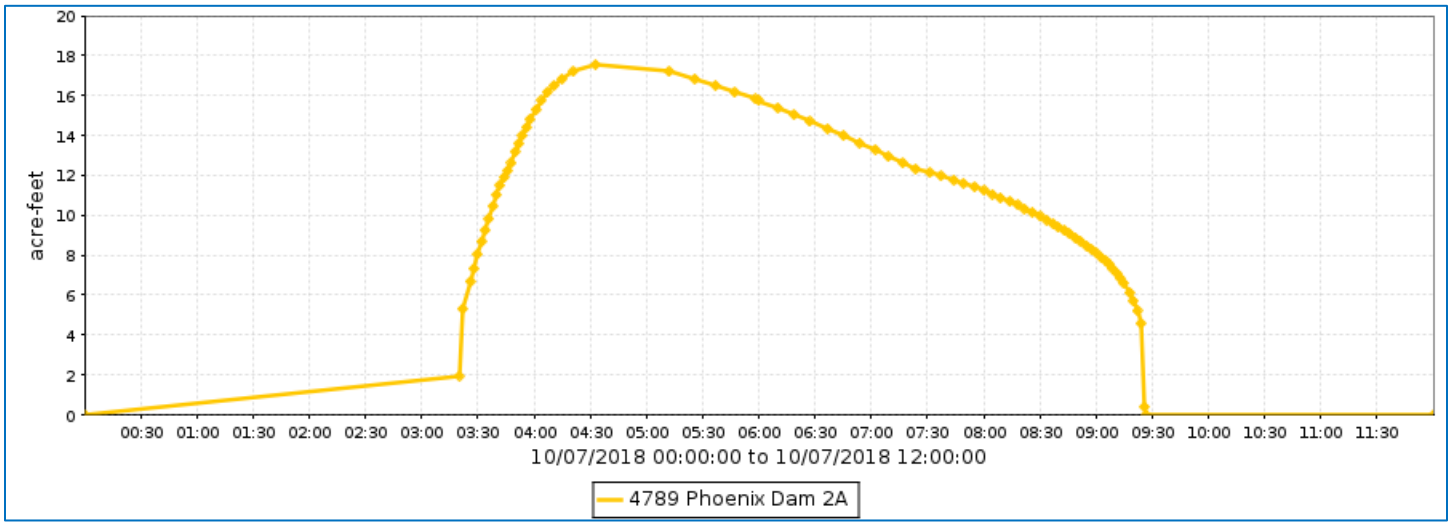




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	7.60	11.1	18.5
10/02/2018	7.35	10.7	17.8
10/07/2018	10.34	17.6	29.3
10/13/2018	0.99	2.2	3.7
02/21/2019	1.15	2.5	4.2
08/28/2019	8.87	13.4	22.3
09/23/2019	9.69	15.7	26.2
09/26/2019	2.16	4.0	6.7

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



Phoenix Dam #2A, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	10											
3												
4												
5												
6												
7	6											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												6
24												
25												
26												
27												
28											2	
29					---						1	
30					---							
31		---			---		---		---			---
TOTAL	16	0	0	0	0	0	0	0	0	0	4	6
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	28	0	0	0	3	0	0	0	0	0	26	27
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	32	0	0	0	0	0	0	0	0	0	7	12

WTR YR 2019 TOTAL 26 MEAN 0 MAX 28 MIN 0 AC_FT 51

Phoenix Dam #2A, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	4											
3												
4												
5												
6												
7	3											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												3
24												
25												
26												
27												
28											1	
29					---						1	
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	18	0	0	0	3	0	0	0	0	0	13	16
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 18 MIN 0

Phoenix Dam #2A, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.4	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
MAX	10.3	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	8.9	9.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2019 MEAN 0.02 MAX 10.34 MIN 0.00

Phoenix Dam #2B, ID #4778

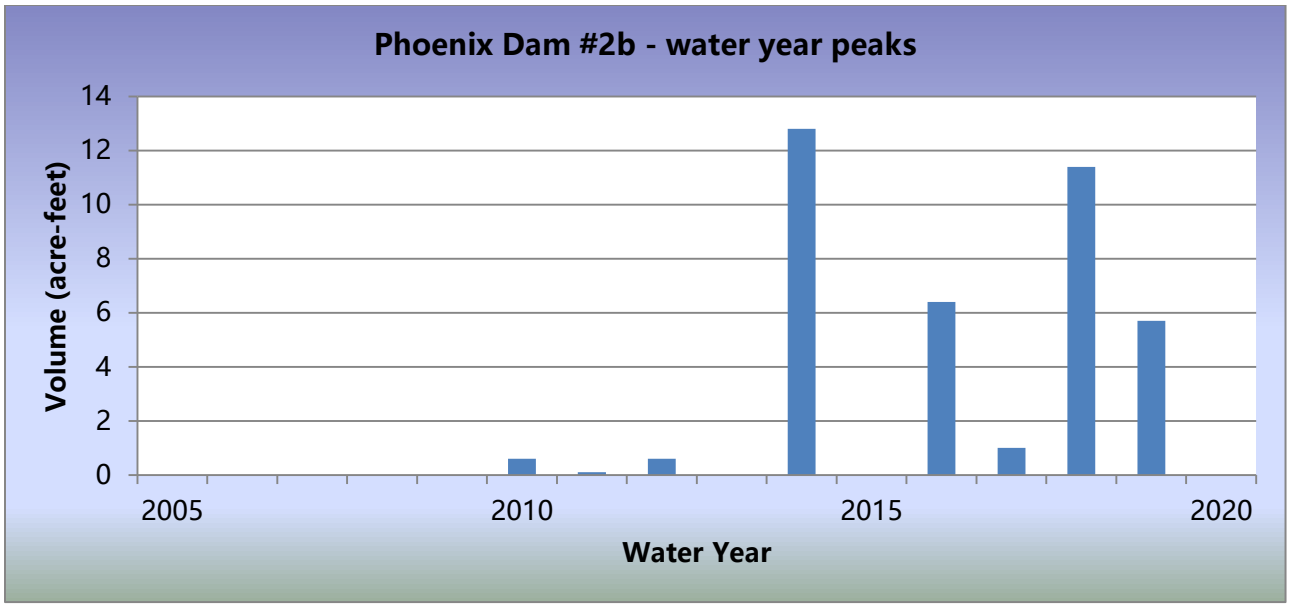


Site Data

LOCATION	On Thunderbird Road east of 7th Street
DRAINAGE AREA	0.60 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S16 T3N R3E
LATITUDE	N 33° 36' 23.8" | +33.60660
LONGITUDE	W 112° 03' 28.4" | -112.05789
STREAMGAGE INSTALLATION DATE	06/30/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	06/30/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.25 Years | 3,745 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,398.20 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	16.0 feet Gage Height
TOP OF DAM ELEVATION	22.0 feet Gage Height

Watershed Map

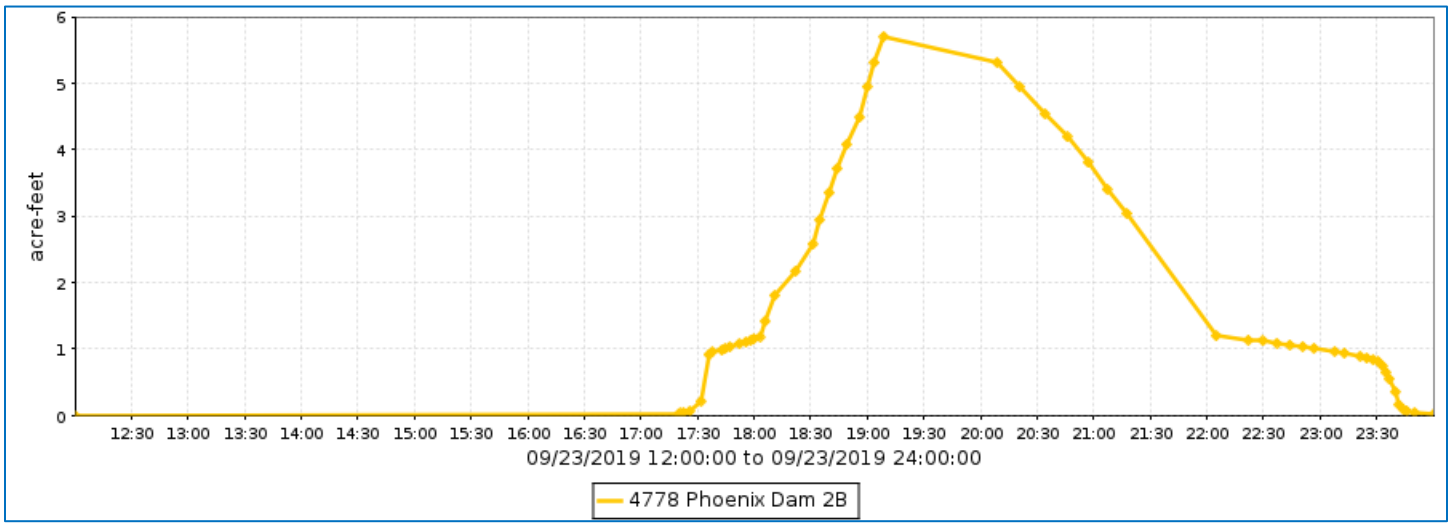




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	4.03	1.3	2.7
10/02/2018	3.76	1.2	2.5
10/07/2018	5.30	5.2	10.8
10/13/2018	0.49	0.0	0.0
08/28/2019	4.72	3.4	7.1
09/23/2019	5.47	5.7	11.9

Hydrograph of peak WY 2019 impoundment event, 09/23/2019



Phoenix Dam #2B, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	5											
3												
4												
5												
6												
7	5											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												5
24												
25												
26												
27												
28											2	
29					---						1	
30					---							
31		---			---		---		---			---
TOTAL	11	0	0	0	0	0	0	0	0	0	3	5
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	20	0	0	0	0	0	0	0	0	0	19	21
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	21	0	0	0	0	0	0	0	0	0	5	10

WTR YR 2019 TOTAL 18 MEAN 0 MAX 21 MIN 0 AC_FT 36

Phoenix Dam #2B, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7	1											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												1
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	5	0	0	0	0	0	0	0	0	0	3	6
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 6 MIN 0

Phoenix Dam #2B, stage data

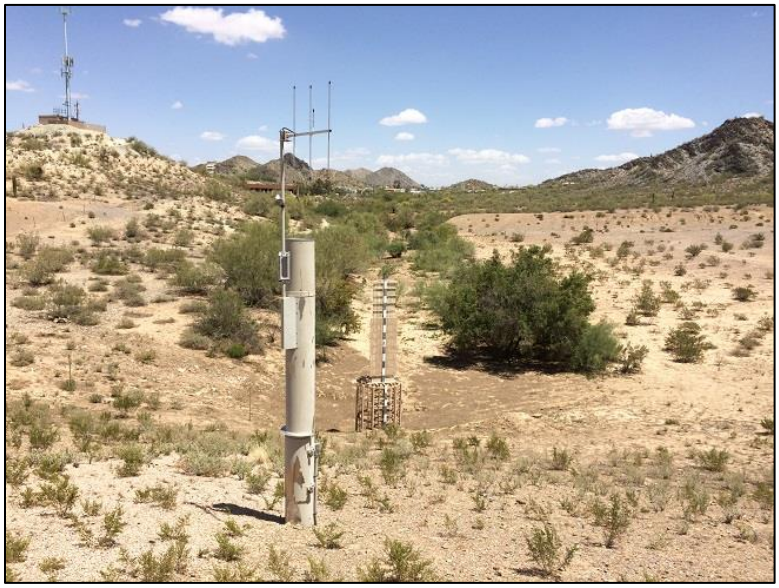
Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.2	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	5.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2019 MEAN 0.01 MAX 5.47 MIN 0.00

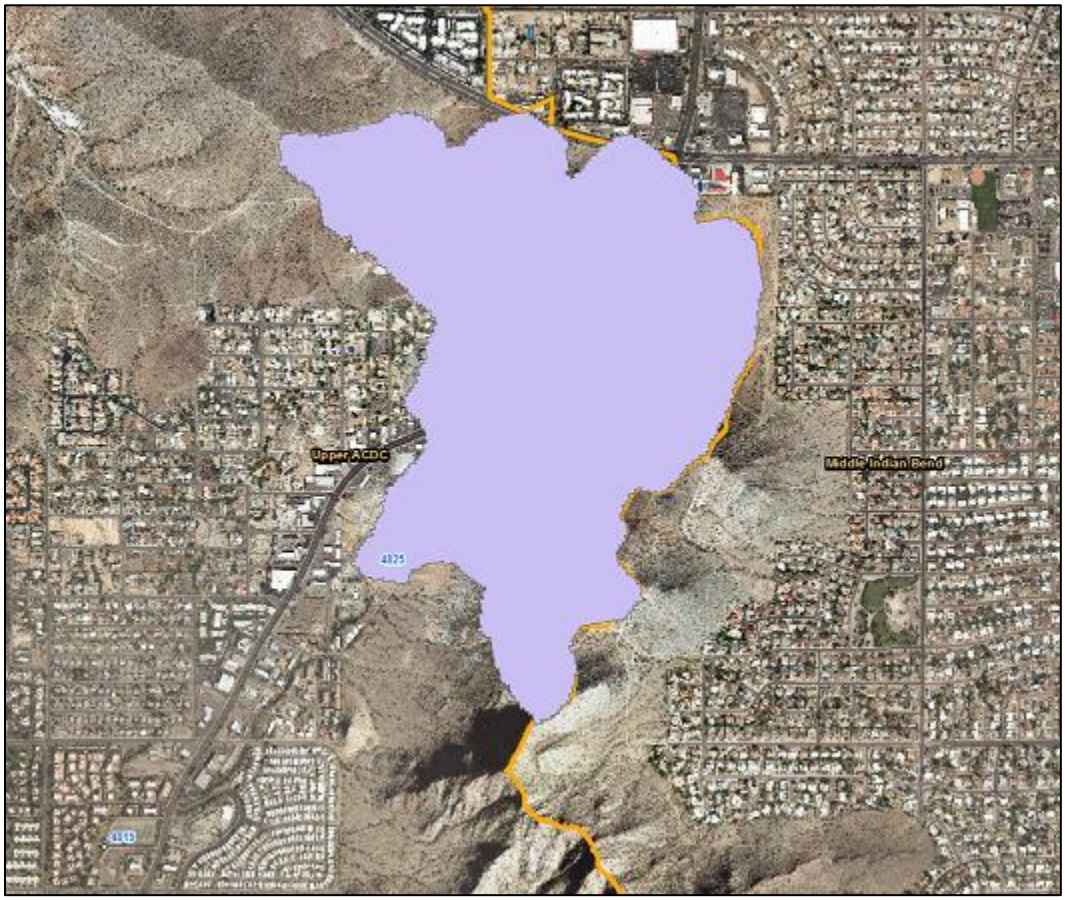
Phoenix Dam #3, ID #4828

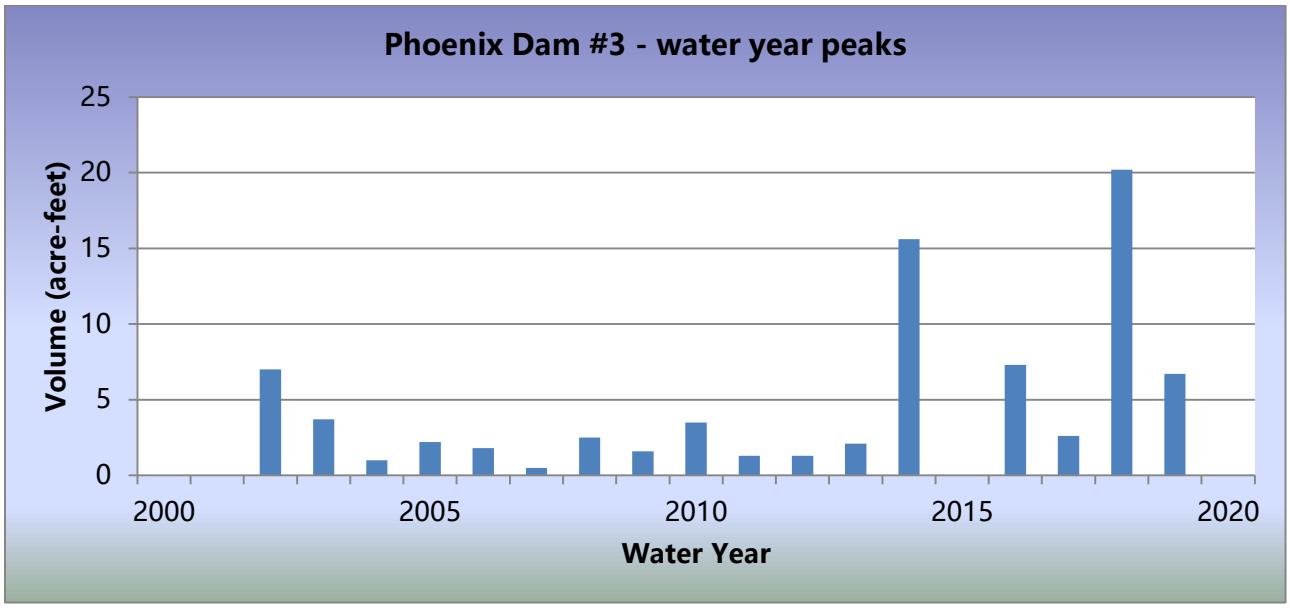


Site Data

LOCATION	In the Sunnyslope area of Phoenix, east of Cave Creek Road
DRAINAGE AREA	0.5 mi^2
STREAM TYPE	Dam of Natural Drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S22 T3N R3E
LATITUDE	N 33° 35' 11.6" | +33.58656
LONGITUDE	W 112° 02' 48.4" | -112.04678
STREAMGAGE INSTALLATION DATE	12/18/2001 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	12/18/2001 - Current
LENGTH OF AVAILABLE POR DATA	17.79 Years | 6,496 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.65 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,358.00 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	24.0 feet Gage Height
TOP OF DAM ELEVATION	30.0 feet Gage Height

Watershed Map

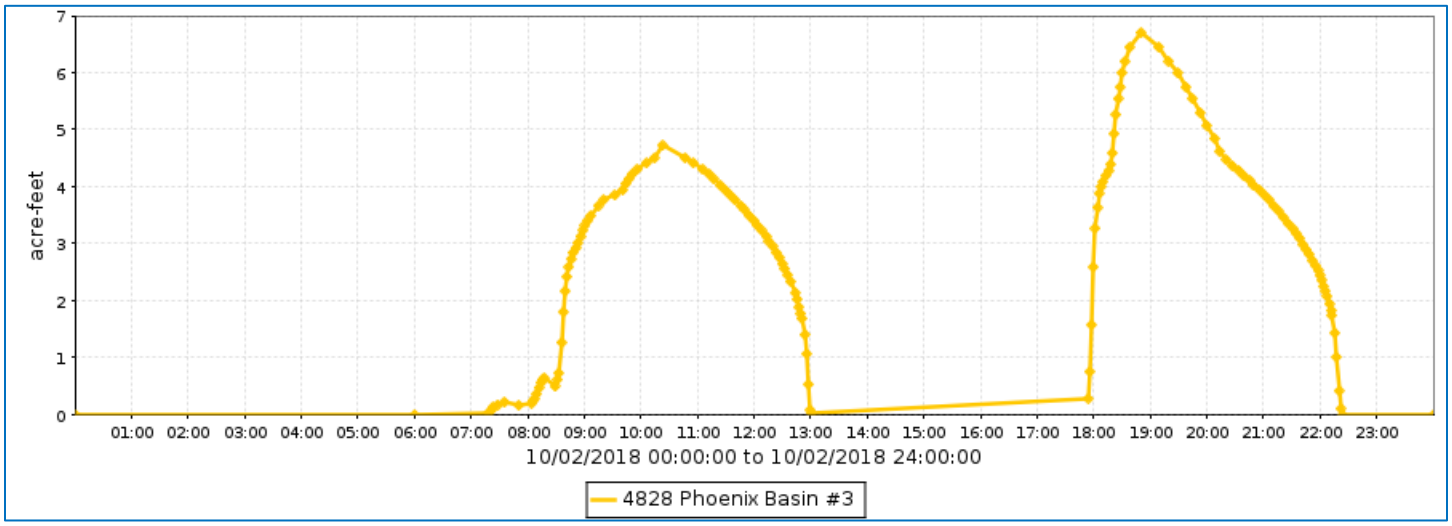




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	10.19	6.7	10.3
10/02/2018	9.12	4.7	7.2
10/07/2018	9.74	5.8	8.9
10/13/2018	1.62	0.3	0.5
03/12/2019	3.29	0.8	1.2
08/28/2019	8.82	4.4	6.7
09/23/2019	7.60	3.5	5.4
09/23/2019	3.74	0.9	1.4

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Phoenix Dam #3, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	18											
3												
4												
5												
6												
7	8											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												5
24												
25												
26												
27												
28											4	
29					---						1	
30					---							
31		---			---		---		---			---
TOTAL	26	0	0	0	0	0	0	0	0	0	5	5
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	51	0	0	0	0	27	0	0	0	0	49	45
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	52	0	0	0	0	0	0	0	0	0	10	9

WTR YR 2019 TOTAL 36 MEAN 0 MAX 51 MIN 0 AC_FT 72

Phoenix Dam #3, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2											
3												
4												
5												
6												
7	1											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	7	0	0	0	0	1	0	0	0	0	4	4
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 7 MIN 0

Phoenix Dam #3, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2	3.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
7	2.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
10	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
11	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
12	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
13	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
14	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
15	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
16	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
17	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
18	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
19	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
20	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
21	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
22	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
23	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
25	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
26	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
27	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
28	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	0.7
29	0.7	0.7	0.7	0.7	---	0.7	0.7	0.7	0.7	0.7	0.8	0.7
30	0.7	0.7	0.7	0.7	---	0.7	0.7	0.7	0.7	0.7	0.7	0.7
31	0.7	---	0.7	0.7	---	0.7	---	0.7	---	0.7	0.7	---
MEAN	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
MAX	10.2	0.7	0.7	0.7	0.7	3.3	0.7	0.7	0.7	0.7	8.8	7.7
MIN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

WTR YR 2019 MEAN 0.67 MAX 10.19 MIN 0.65

Phoenix Dam #4, ID #4838

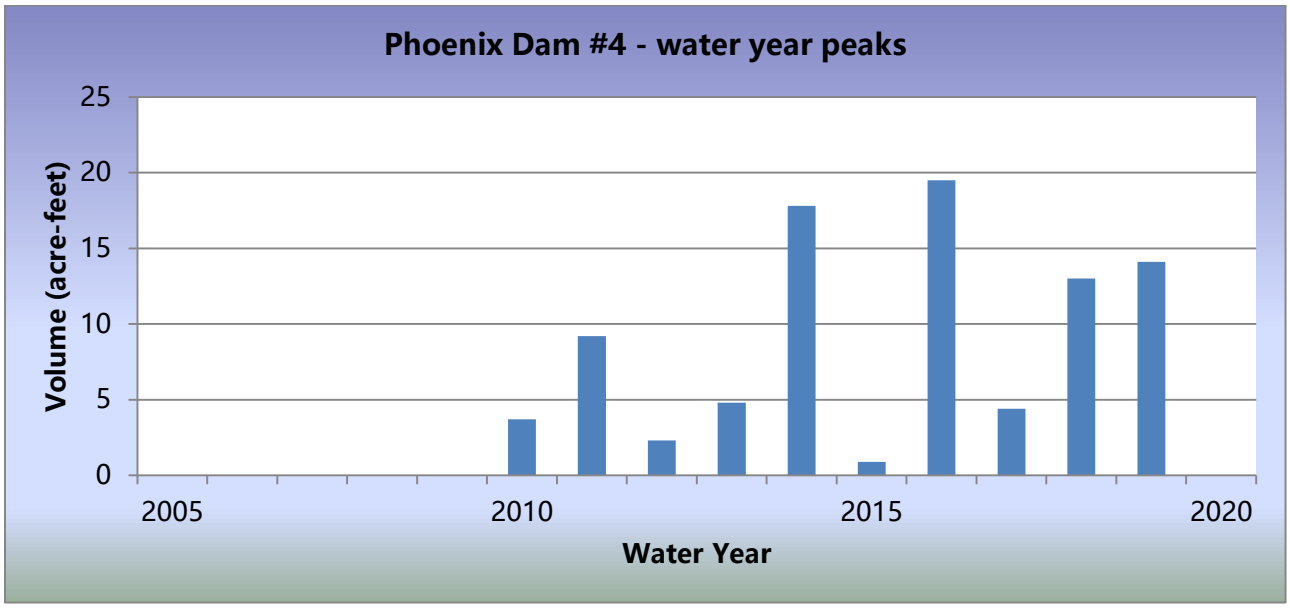


Site Data

LOCATION	East of 18th Street north of Northern Avenue
DRAINAGE AREA	0.60 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S34 T3N R3E
LATITUDE	N 33° 33' 30.9" | +33.55857
LONGITUDE	W 112° 02' 33.8" | -112.04272
STREAMGAGE INSTALLATION DATE	07/06/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	07/06/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.24 Years | 3,739 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,319.28 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	15.0 feet Gage Height
TOP OF DAM ELEVATION	21.0 feet Gage Height

Watershed Map

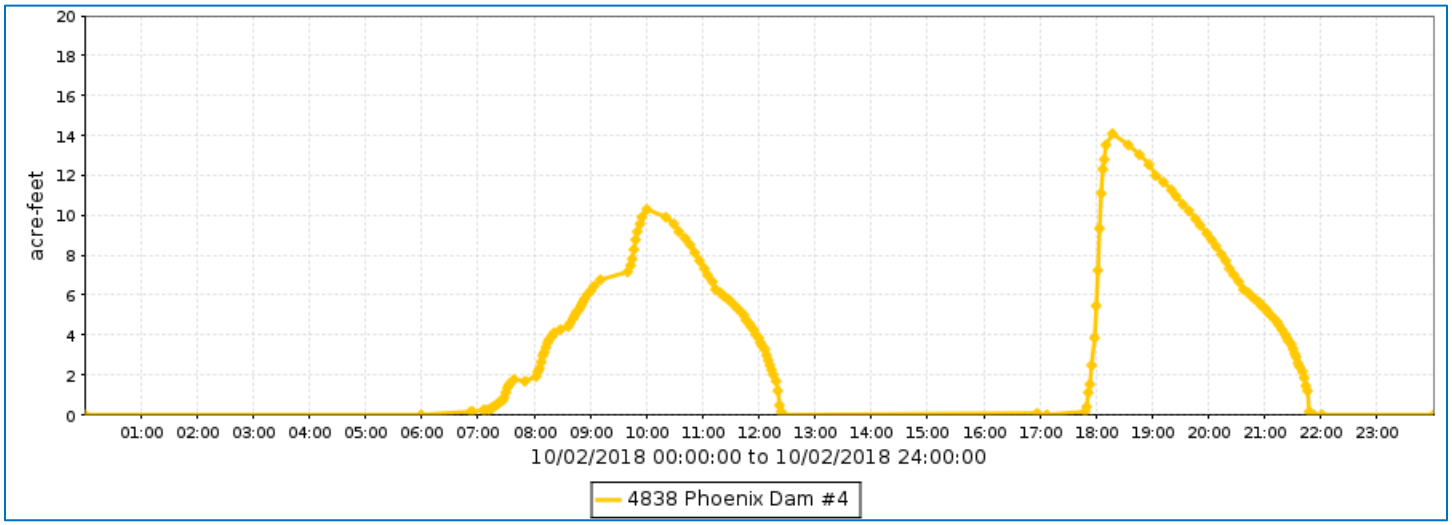




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	10.49	14.1	32.8
10/02/2018	9.39	10.3	24.0
10/13/2018	3.41	1.1	2.6
03/12/2019	5.15	2.7	6.3
09/23/2019	3.41	1.1	2.6

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Phoenix Dam #4, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	9											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	10	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	29	0	0	0	0	20	0	0	0	0	0	16
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	20	0	0	0	0	1	0	0	0	0	0	1

WTR YR 2019 TOTAL 11 MEAN 0 MAX 29 MIN 0 AC_FT 22

Phoenix Dam #4, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	3											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	14	0	0	0	0	3	0	0	0	0	0	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 14 MIN 0

Phoenix Dam #4, stage data

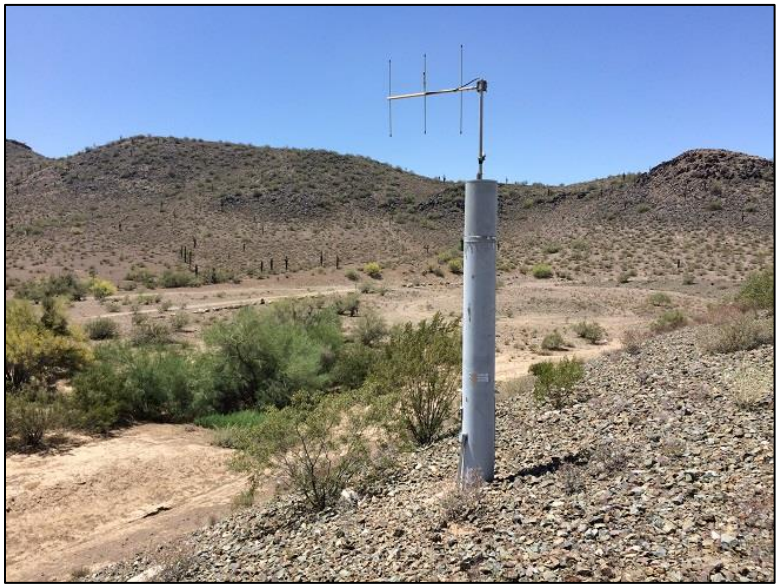
Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	3.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
13	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	10.5	0.1	0.1	0.1	0.1	5.2	0.1	0.1	0.1	0.1	0.1	3.4
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.11 MAX 10.49 MIN 0.10

Phoenix Dam #7, ID #4853

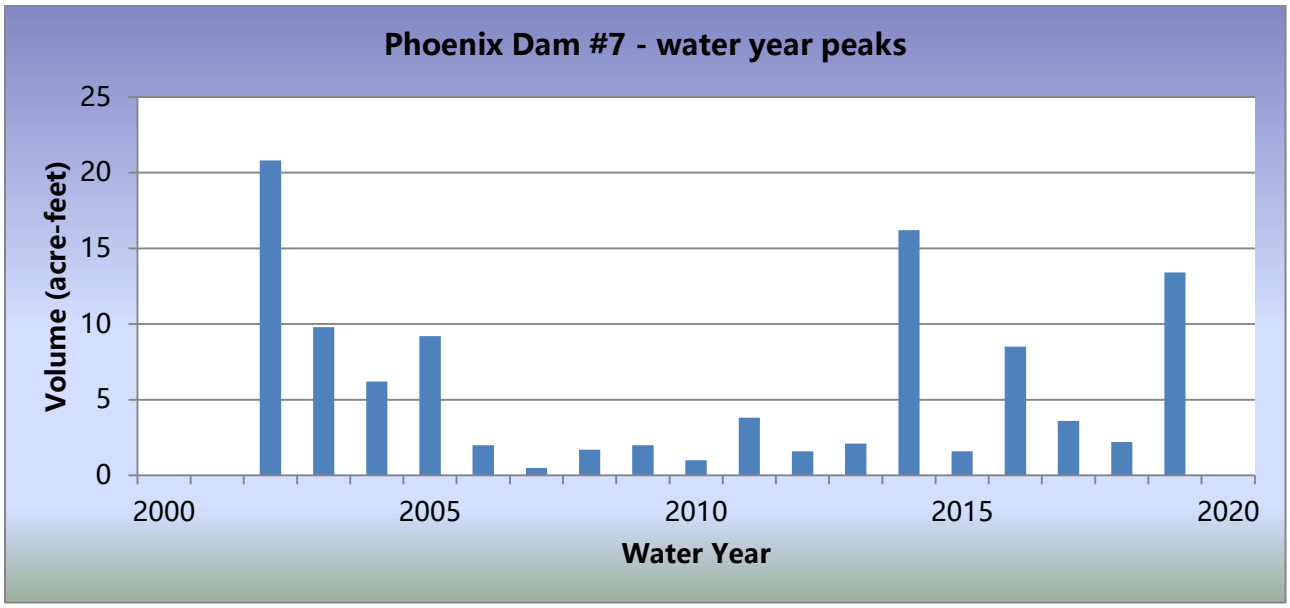


Site Data

LOCATION	Located on the north side of North Mountain
DRAINAGE AREA	0.60 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S17 T3N R3E
LATITUDE	N 33° 36' 04.4" | +33.60123
LONGITUDE	W 112° 04' 21.5" | -112.07264
STREAMGAGE INSTALLATION DATE	12/19/2001 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	12/19/2001 - Current
LENGTH OF AVAILABLE POR DATA	17.78 Years | 6,495 Days
DATA GAPS IN POR	01/30/2009 -- 05/11/2009
STAGE GAGE ELEVATION	0.12 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,371.34 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	22.4 feet Gage Height
TOP OF DAM ELEVATION	29.0 feet Gage Height

Watershed Map

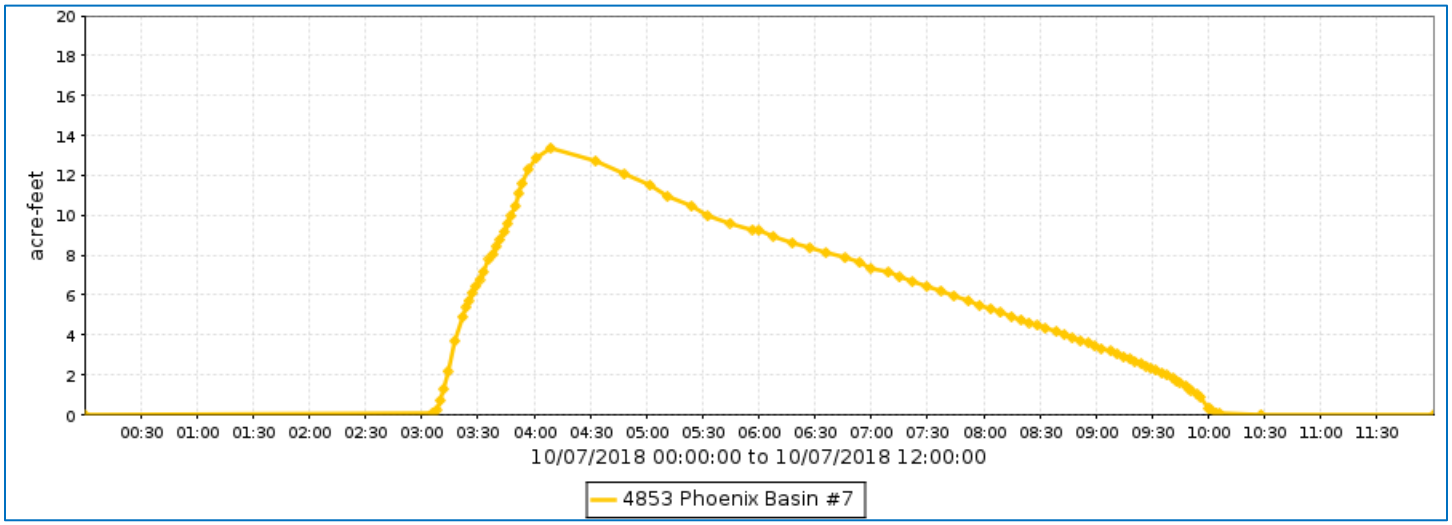




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	6.57	2.9	2.2
10/02/2018	6.30	2.7	2.1
10/07/2018	11.78	13.4	10.6
08/28/2019	9.16	6.2	4.9
09/23/2019	9.79	7.4	5.9

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



Phoenix Dam #7, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	11											
3												
4												
5												
6												
7	13											
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												9
24												
25												
26												
27												
28											4	
29					---						1	
30					---							
31		---			---		---		---			---
TOTAL	25	0	0	0	0	0	0	0	0	0	5	9
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	48	0	0	0	0	0	0	0	0	0	47	47
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	49	0	0	0	0	0	1	0	0	0	11	18

WTR YR 2019 TOTAL 40 MEAN 0 MAX 48 MIN 0 AC_FT 79

Phoenix Dam #7, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												1
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	13	0	0	0	0	0	0	0	0	0	6	7
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 13 MIN 0

Phoenix Dam #7, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	1.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	2.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.7
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.3	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	11.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	9.2	9.8
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.19 MAX 11.78 MIN 0.17

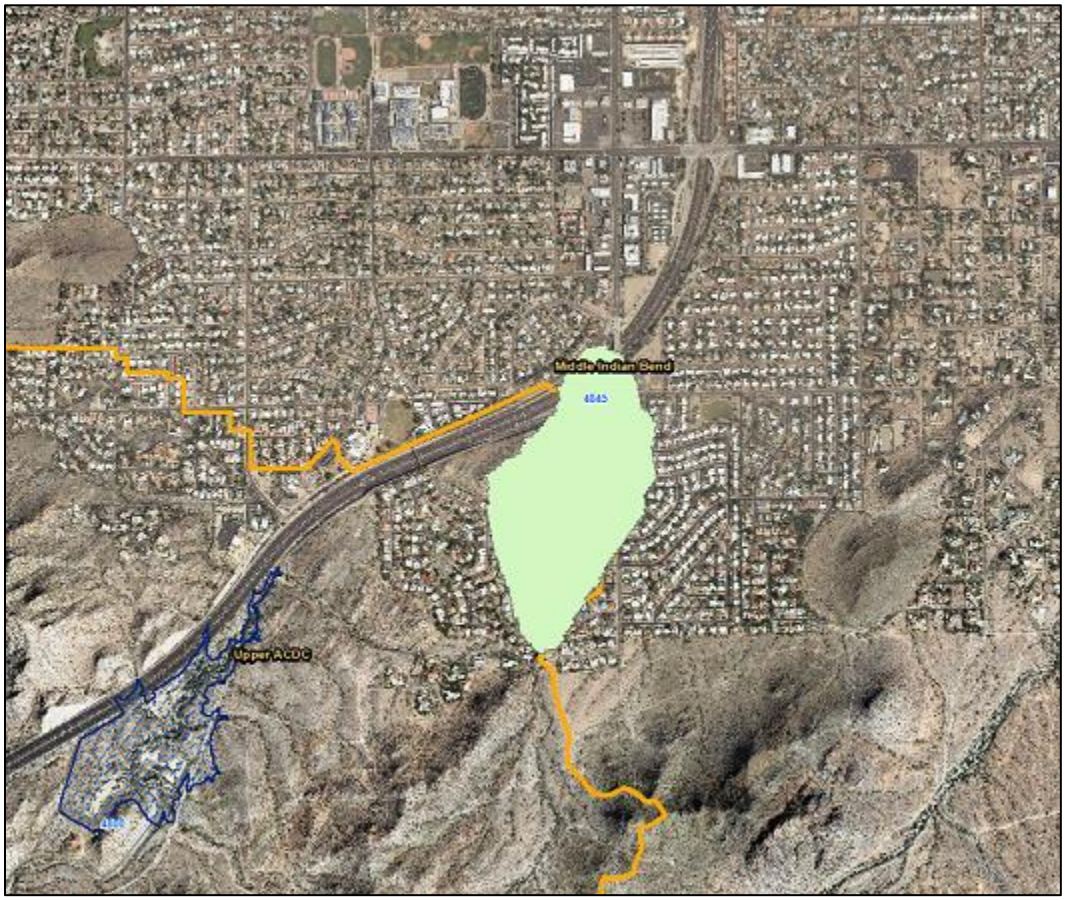
Phoenix Dam #99, ID #4843

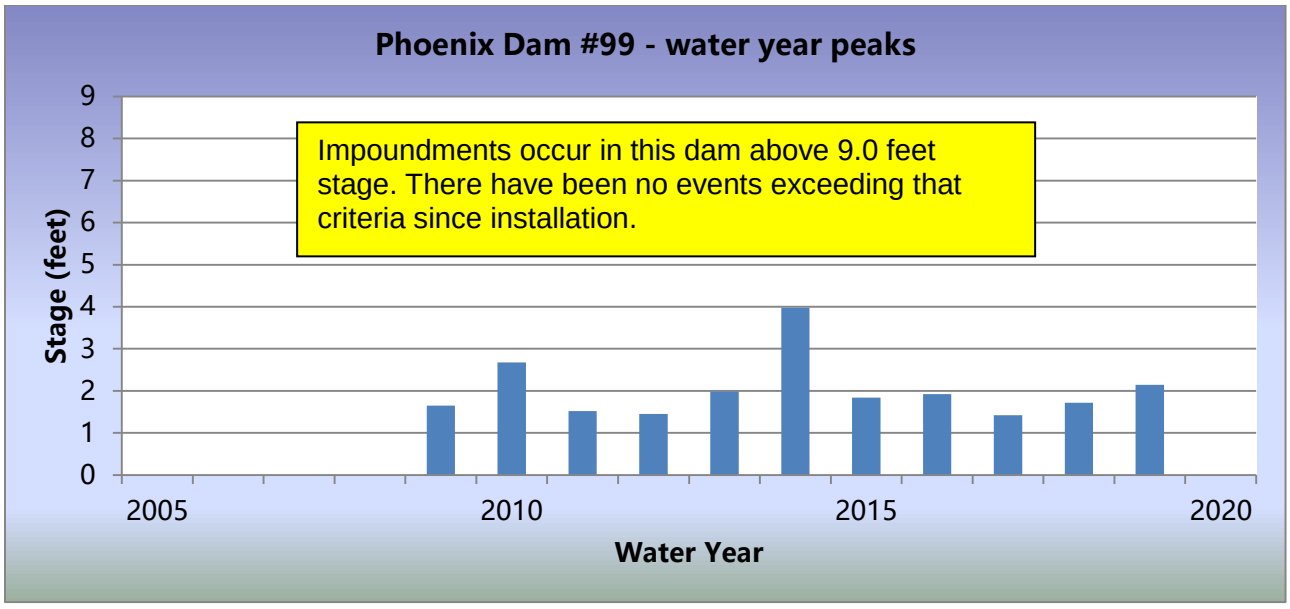


Site Data

LOCATION	Near SR 51 and 32nd Street
DRAINAGE AREA	0.13 mi^2
STREAM TYPE	Dam of natural and local drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S26 T3N R3E
LATITUDE	N 33° 34' 29.1" | +33.57476
LONGITUDE	W 112° 00' 51.4" | -112.01428
STREAMGAGE INSTALLATION DATE	07/07/2009 - WY 2009
AVAILABLE PERIOD OF RECORD (POR)	07/07/2009 - Current
LENGTH OF AVAILABLE POR DATA	10.23 Years | 3,738 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,441.71 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	19.8 feet Gage Height
TOP OF DAM ELEVATION	24.3 feet Gage Height

Watershed Map

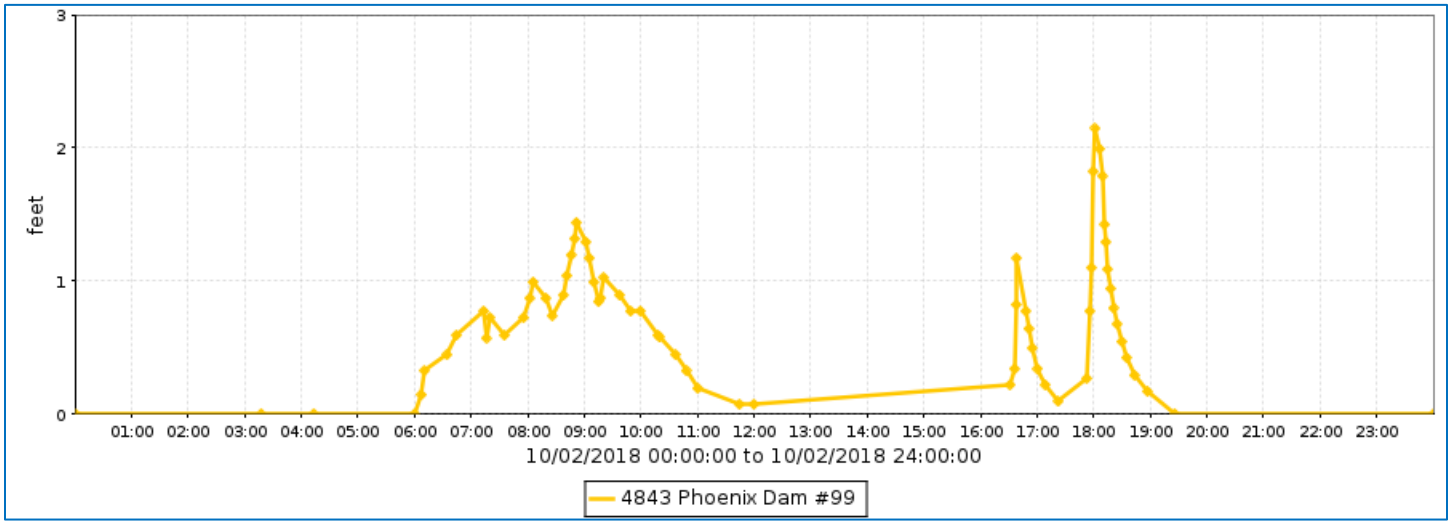




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	2.14	0.0	0.0
10/02/2018	1.44	0.0	0.0
10/07/2018	0.74	0.0	0.0
10/13/2018	0.54	0.0	0.0

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Phoenix Dam #99, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	9	1	0	0	1	2	0	0	0	0	1	4
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	3	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 2 MEAN 0 MAX 9 MIN 0 AC_FT 3

Phoenix Dam #99, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 0 MIN 0

Phoenix Dam #99, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	2.1	0.4	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.3	1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2019 MEAN 0.00 MAX 2.14 MIN 0.00

Phoenix East Park Dam, ID #4848

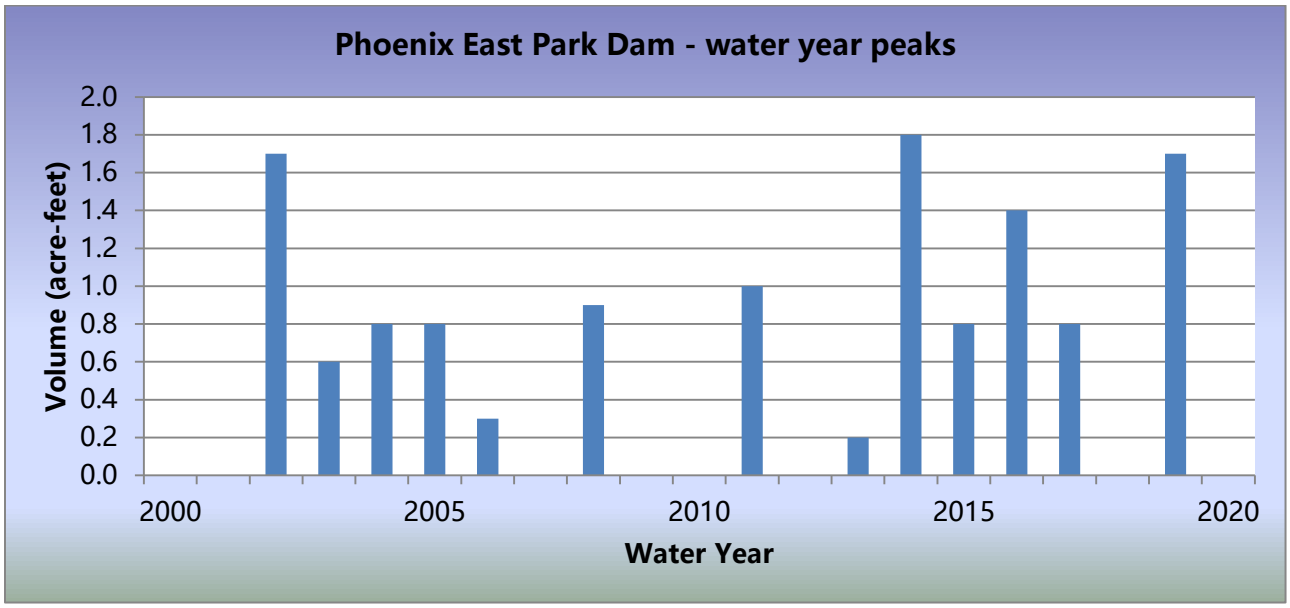


Site Data

LOCATION	Near Peoria and Seventh Avenues
DRAINAGE AREA	0.11 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S29 T3N R3E
LATITUDE	N 33° 34' 45.2" | +33.57923
LONGITUDE	W 112° 04' 36.3" | -112.07676
STREAMGAGE INSTALLATION DATE	11/28/2001 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	11/28/2001 - Current
LENGTH OF AVAILABLE POR DATA	17.84 Years | 6,516 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,350.17 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	19.8 feet Gage Height
TOP OF DAM ELEVATION	24.8 feet Gage Height

Watershed Map

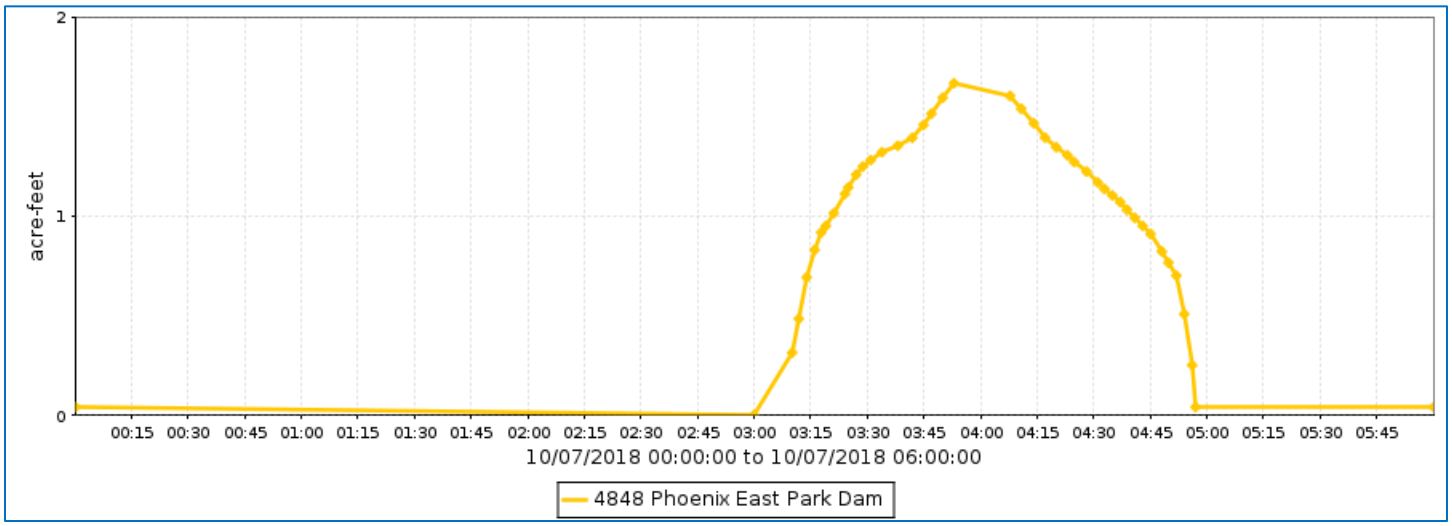




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	2.54	0.9	4.1
10/02/2018	0.57	0.2	0.9
10/07/2018	4.83	1.7	7.7
08/28/2019	1.29	0.5	2.3
09/23/2019	3.24	1.1	5.0
09/23/2019	3.19	1.1	5.0

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



Phoenix East Park Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2											
3												
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												1
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	13	2	1	0	0	0	8	11	10	11	11	11
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	37	0	0	0	2	0	0	0	0	0	8	27
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	25	5	3	0	0	0	15	21	20	21	21	22

WTR YR 2019 TOTAL 77 MEAN 0 MAX 37 MIN 0 AC_FT 153

Phoenix East Park Dam, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
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16												
17												
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19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	2	0	0	0	0	0	0	0	0	0	1	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 2 MIN 0

Phoenix East Park Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	4.8	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	1.3	3.2
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.10 MAX 4.83 MIN 0.10

Phoenix West Park Dam, ID #4858

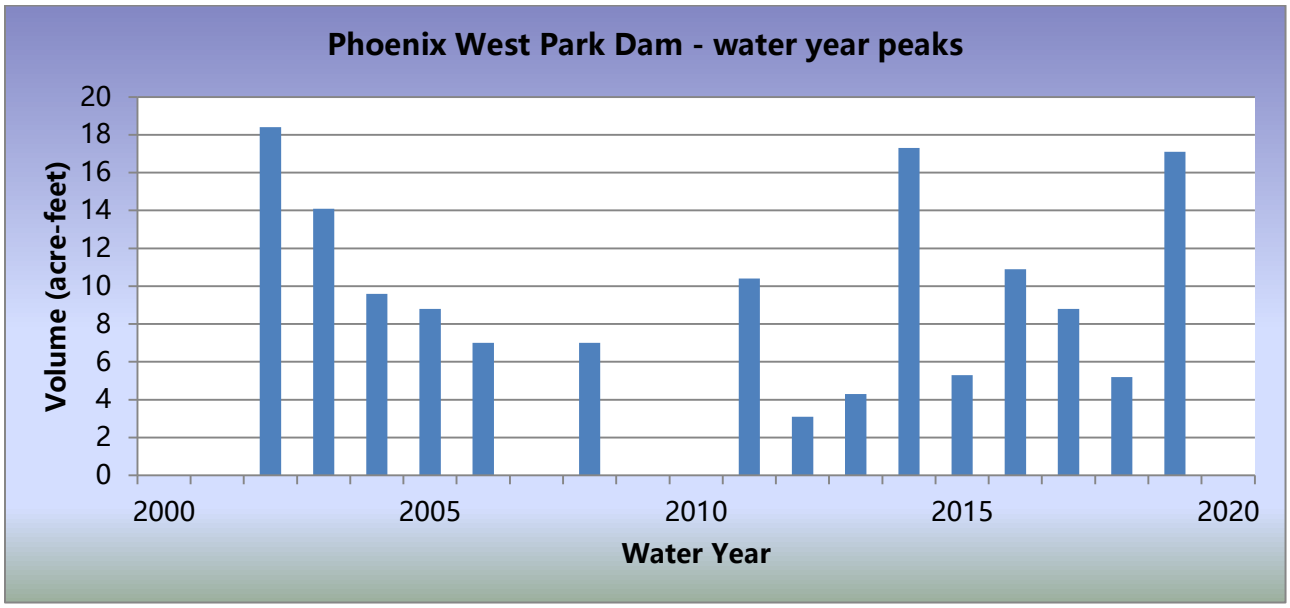


Site Data

LOCATION	Near Peoria and Seventh Avenues
DRAINAGE AREA	0.62 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S22 T3N R3E
LATITUDE	N 33° 35' 02.8" | +33.58412
LONGITUDE	W 112° 04' 55.0" | -112.08195
STREAMGAGE INSTALLATION DATE	11/29/2001 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	11/29/2001 - Current
LENGTH OF AVAILABLE POR DATA	17.84 Years | 6,515 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,315.72 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	24.0 feet Gage Height
TOP OF DAM ELEVATION	30.0 feet Gage Height

Watershed Map

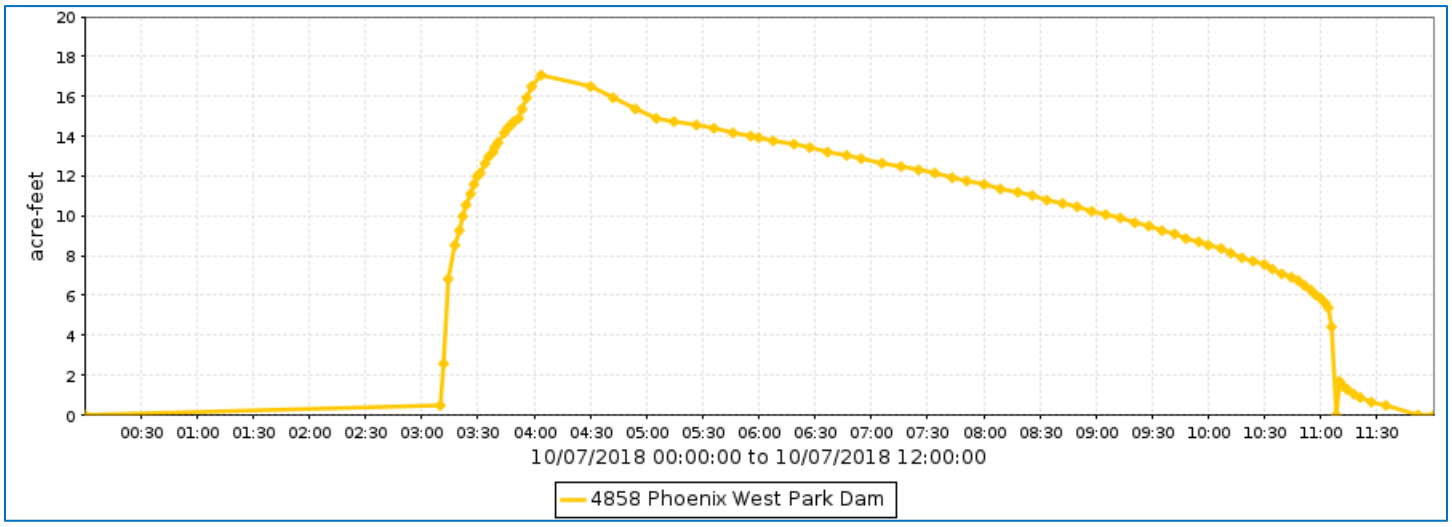




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	4.73	7.1	6.3
10/02/2018	4.18	6.3	5.6
10/02/2018	4.16	6.3	5.6
10/07/2018	10.44	17.1	15.1
10/13/2018	1.37	2.1	1.9
08/28/2019	7.20	10.8	9.6
09/23/2019	8.40	12.6	11.2

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



Phoenix West Park Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	7											
3												
4												
5												
6												
7	15											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												11
24												
25												
26												
27												
28											4	
29					---						1	
30					---							
31		---			---		---		---			---
TOTAL	22	0	0	0	0	0	0	0	0	0	5	11
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	51	0	0	0	0	0	0	0	0	0	46	50
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	44	0	0	0	0	0	0	0	0	0	10	21

WTR YR 2019 TOTAL 38 MEAN 0 MAX 51 MIN 0 AC_FT 75

Phoenix West Park Dam, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7	4											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												2
24												
25												
26												
27												
28											1	
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	17	0	0	0	0	0	0	0	0	0	11	13
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 17 MIN 0

Phoenix West Park Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	2.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.8
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.4	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
MAX	10.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	7.2	8.4
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.22 MAX 10.44 MIN 0.20

Phoenix Zoo Dam #3, ID #4307

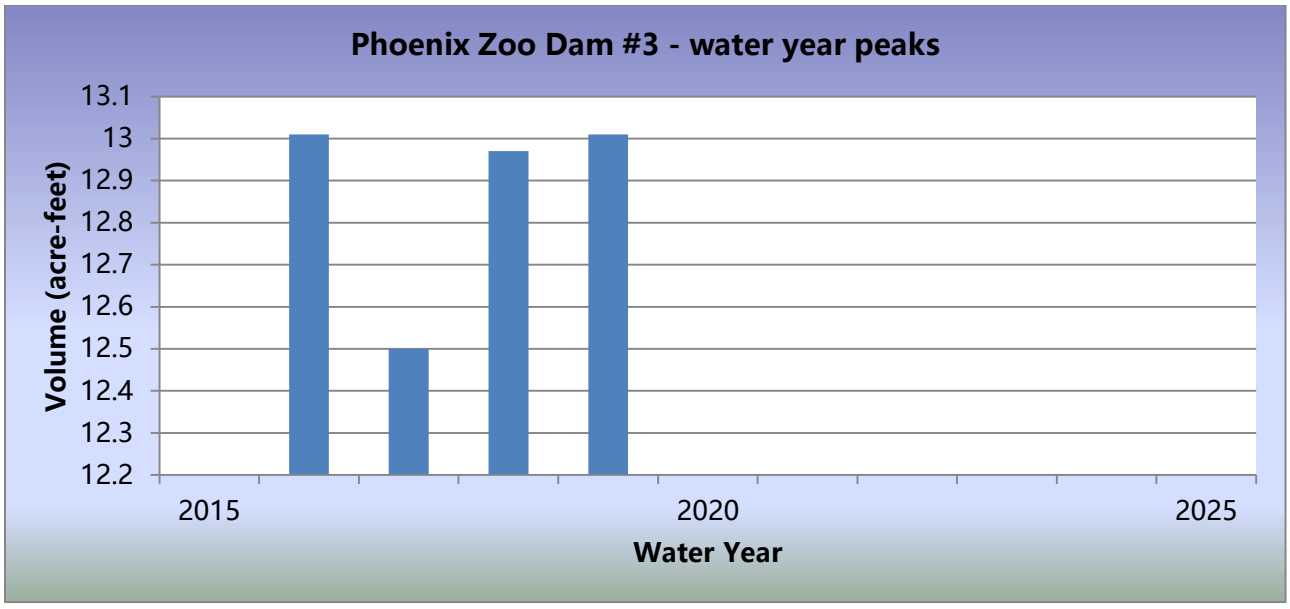


Site Data

LOCATION	Located in Papago Park on the north side of the Phoenix Zoo property.
DRAINAGE AREA	0.07 mi^2
STREAM TYPE	Dam with permanent lake
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC
SECTION/TOWNSHIP/RANGE	S04 T1N R4E
LATITUDE	N 33° 27' 10.1" | +33.45281
LONGITUDE	W 111° 56' 53.1" | -111.94808
STREAMGAGE INSTALLATION DATE	04/25/2016 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	04/25/2016 - Current
LENGTH OF AVAILABLE POR DATA	3.43 Years | 1,254 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	8.90 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,230.16 feet NAVD88
POINT OF ZERO FLOW	9.0 feet Gage Height
SPILLWAY CREST ELEVATION	12.80 feet Gage Height
TOP OF BASIN ELEVATION	13.40 feet Gage Height

Location Map

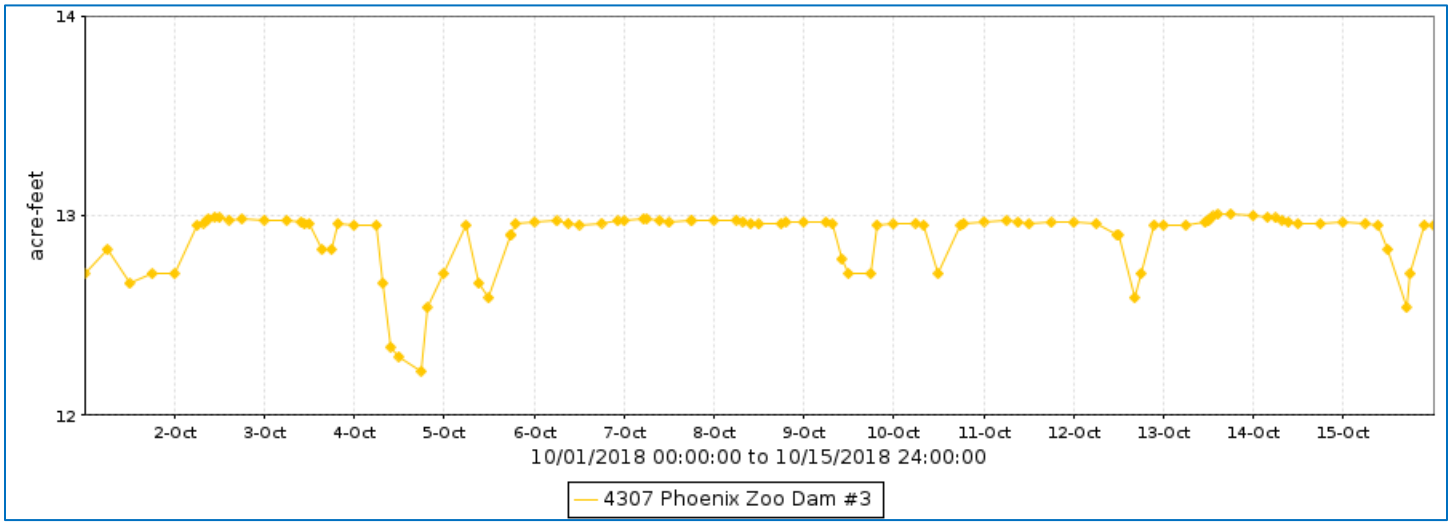




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	9.79	12.99	98.1
10/13/2018	9.99	13.01	98.3

Hydrograph of peak WY 2019 impoundment, 10/13/2018



Phoenix Zoo Dam #3, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Phoenix Zoo Dam #3, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	13	13	13	12	12	13	13	13	13	13	13
2	13	13	13	13	12	12	13	13	13	13	13	12
3	13	13	13	13	12	12	13	13	13	13	13	12
4	13	13	13	13	12	12	13	13	13	13	13	12
5	13	13	13	13	12	12	13	13	13	13	13	12
6	13	13	13	13	12	12	13	13	13	13	13	12
7	13	12	13	13	12	12	13	13	13	13	12	13
8	13	13	13	13	12	12	13	13	13	13	12	13
9	13	13	13	13	12	12	13	13	13	13	12	12
10	13	13	13	13	12	12	13	13	13	13	12	12
11	13	13	13	13	12	12	13	13	13	13	12	13
12	13	13	13	13	12	12	13	13	13	13	12	13
13	13	13	13	12	12	12	13	13	13	13	12	13
14	13	13	13	12	12	12	13	13	13	13	12	13
15	13	13	13	12	12	12	13	13	13	13	12	13
16	13	13	13	12	12	12	13	13	13	13	12	13
17	12	13	13	12	12	12	13	13	13	13	12	13
18	12	13	13	12	12	12	13	13	13	13	12	12
19	12	13	13	12	12	12	13	13	13	13	12	13
20	12	13	13	12	12	12	13	13	13	13	12	13
21	12	13	13	12	12	12	12	13	13	13	12	13
22	13	13	13	12	12	12	12	13	13	13	12	13
23	13	13	13	12	12	12	12	13	13	13	12	13
24	13	13	13	12	12	12	12	13	13	13	12	13
25	13	13	13	12	12	12	12	13	13	13	12	13
26	13	13	13	12	12	12	12	13	13	13	12	13
27	13	13	13	12	12	12	12	13	13	13	13	13
28	13	13	13	12	12	12	12	13	13	13	13	13
29	13	13	13	12	---	12	12	13	13	13	13	13
30	13	13	13	12	---	12	12	13	13	13	13	13
31	13	---	13	12	---	12	---	13	---	13	13	---
MEAN	13	13	13	12	12	12	13	13	13	13	12	13
MAX	13	13	13	13	13	13	13	13	13	13	13	13
MIN	12	12	12	12	12	12	12	12	13	13	12	12

WTR YR 2019 MEAN 13 MAX 13 MIN 12

Phoenix Zoo Dam #3, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	9.4	9.4	9.4	8.9	8.9	9.3	9.1	9.4	9.5	9.3	9.2
2	9.5	9.5	9.6	9.3	8.9	8.9	9.6	9.3	9.3	9.5	9.2	9.1
3	9.4	9.3	9.6	9.3	8.9	8.9	9.8	9.4	9.3	9.5	9.1	9.0
4	9.1	9.2	9.7	9.3	8.9	8.9	9.6	9.4	9.3	9.5	9.2	8.9
5	9.2	9.2	9.6	9.3	8.9	8.9	9.5	9.4	9.3	9.5	9.1	8.9
6	9.4	9.1	9.5	9.4	8.9	8.9	9.5	9.4	9.3	9.5	9.1	9.1
7	9.5	9.1	9.3	9.3	8.9	8.9	9.5	9.4	9.3	9.6	9.1	9.1
8	9.5	9.1	9.3	9.3	8.9	8.9	9.4	9.4	9.4	9.6	9.0	9.1
9	9.3	9.3	9.3	9.2	8.9	8.9	9.3	9.4	9.3	9.6	9.0	9.1
10	9.3	9.5	9.3	9.2	8.9	8.9	9.3	9.5	9.4	9.6	9.0	9.1
11	9.5	9.6	9.3	9.1	8.9	8.9	9.2	9.5	9.3	9.6	8.9	9.1
12	9.3	9.6	9.3	9.1	8.9	8.9	9.1	9.5	9.4	9.6	8.9	9.2
13	9.6	9.5	9.3	9.1	8.9	8.9	9.2	9.5	9.4	9.6	9.0	9.2
14	9.5	9.5	9.3	9.1	8.9	8.9	9.2	9.4	9.4	9.6	9.0	9.2
15	9.3	9.5	9.3	9.1	8.9	8.9	9.4	9.5	9.4	9.6	9.0	9.2
16	9.2	9.4	9.3	9.1	8.9	8.9	9.4	9.5	9.4	9.6	8.9	9.1
17	9.1	9.3	9.3	9.1	8.9	8.9	9.3	9.5	9.4	9.6	8.9	9.1
18	9.0	9.3	9.3	9.0	8.9	8.9	9.3	9.5	9.5	9.6	8.9	9.1
19	9.1	9.3	9.3	9.1	8.9	8.9	9.2	9.5	9.5	9.6	9.0	9.2
20	9.0	9.3	9.3	9.0	8.9	8.9	9.1	9.5	9.5	9.6	9.0	9.3
21	9.1	9.3	9.3	9.0	9.0	8.9	9.1	9.5	9.5	9.7	8.9	9.3
22	9.1	9.4	9.3	9.0	9.0	8.9	9.1	9.5	9.5	9.7	8.9	9.3
23	9.2	9.3	9.3	9.0	9.0	8.9	9.0	9.5	9.5	9.7	8.9	9.4
24	9.2	9.3	9.3	9.0	9.0	8.9	9.0	9.5	9.5	9.6	8.9	9.4
25	9.5	9.3	9.3	8.9	9.0	8.9	9.0	9.5	9.5	9.6	9.0	9.3
26	9.6	9.5	9.3	8.9	9.0	8.9	8.9	9.5	9.5	9.5	9.0	9.3
27	9.6	9.6	9.3	8.9	9.0	8.9	8.9	9.4	9.5	9.4	9.1	9.3
28	9.6	9.6	9.3	8.9	9.0	8.9	8.9	9.4	9.5	9.4	9.2	9.3
29	9.5	9.5	9.3	8.9	---	8.9	8.9	9.4	9.5	9.3	9.3	9.3
30	9.3	9.4	9.3	8.9	---	8.9	9.0	9.4	9.5	9.3	9.3	9.3
31	9.2	---	9.4	8.9	---	9.0	---	9.4	---	9.4	9.3	---
MEAN	9.3	9.4	9.4	9.1	8.9	8.9	9.2	9.4	9.4	9.6	9.0	9.2
MAX	10.0	9.8	9.8	9.5	9.1	9.2	9.9	9.7	9.7	9.8	9.4	9.5
MIN	8.9	8.9	9.1	8.9	8.9	8.9	8.9	9.1	9.2	9.2	8.9	8.9

WTR YR 2019 MEAN 9.25 MAX 9.99 MIN 8.90

Phoenix Zoo Dam #5, ID #4407

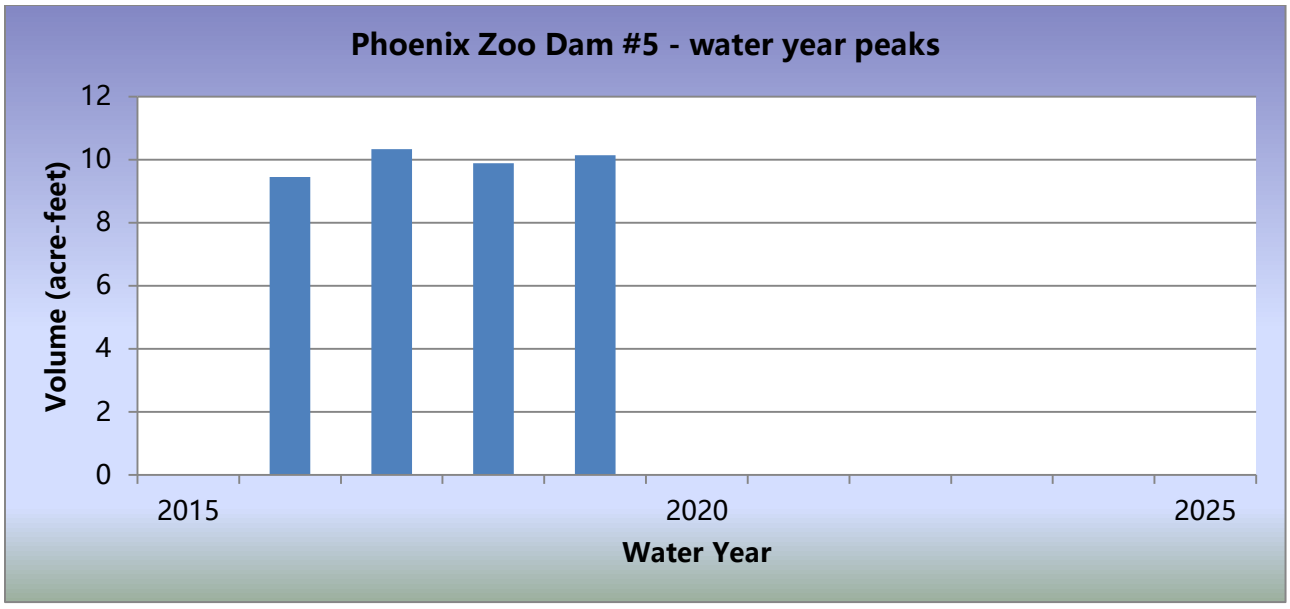


Site Data

LOCATION	Located within the Phoenix Zoo property at the southwest corner.
DRAINAGE AREA	0.32 mi^2
STREAM TYPE	Dam with permanent lake
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC
SECTION/TOWNSHIP/RANGE	S09 T1N R4E
LATITUDE	N 33° 26' 57.1" | +33.44920
LONGITUDE	W 111° 57' 04.2" | -111.95117
STREAMGAGE INSTALLATION DATE	04/28/2016 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	04/28/2016 - Current
LENGTH OF AVAILABLE POR DATA	3.43 Years | 1,251 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	7.75 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,205.00 feet NAVD88
POINT OF ZERO FLOW	Approximately 7.8 feet Gage Height
SPILLWAY CREST ELEVATION	8.70 feet Gage Height
TOP OF BASIN ELEVATION	9.20 feet Gage Height

Location Map

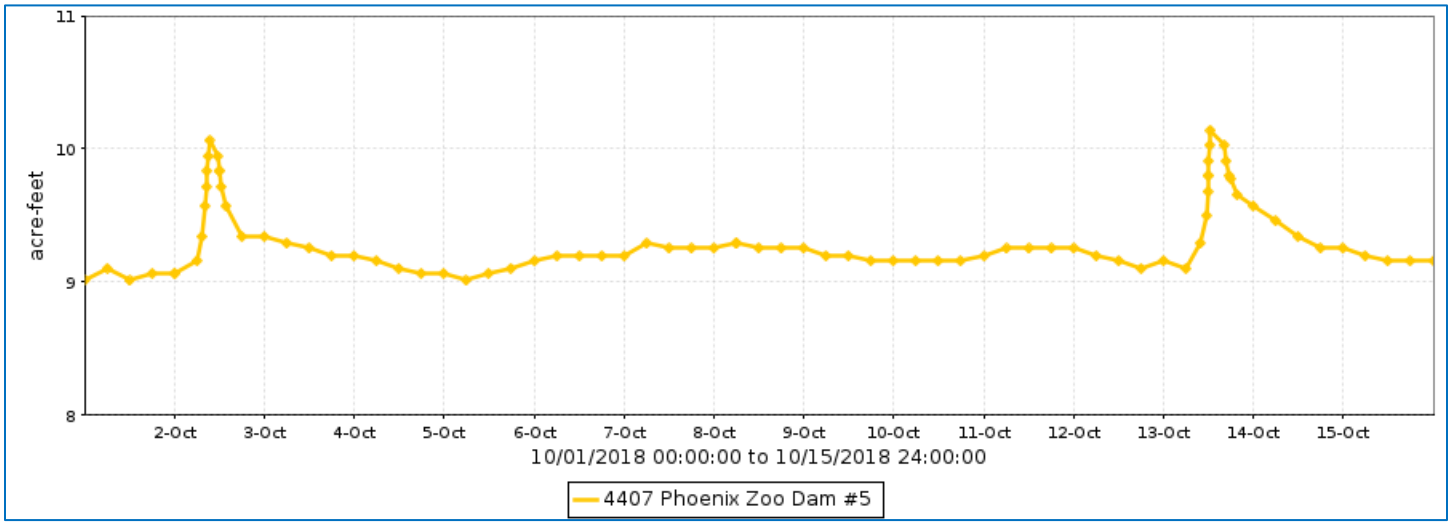




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	9.08	10.06	104.6
10/13/2018	9.15	10.14	105.4

Hydrograph of peak WY 2019 impoundment event, 10/13/2018



Phoenix Zoo Dam #5, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Phoenix Zoo Dam #5, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9	9	9	9	9	9	9	9	9	9	9	8
2	9	9	9	9	9	9	9	8	9	9	9	9
3	9	9	9	9	9	9	9	9	9	9	9	9
4	9	9	9	9	9	9	9	9	9	9	9	9
5	9	9	9	9	9	9	9	9	9	9	9	9
6	9	9	9	9	9	9	9	9	9	9	9	9
7	9	9	9	9	9	9	9	9	9	9	9	9
8	9	9	9	9	9	9	9	9	9	9	9	9
9	9	9	9	9	9	9	9	9	9	9	9	9
10	9	9	9	9	9	9	9	9	9	9	9	9
11	9	9	9	9	9	9	9	9	9	9	9	9
12	9	9	9	9	9	9	9	9	9	9	8	9
13	10	9	9	9	9	9	9	9	9	9	8	9
14	9	9	9	9	9	9	9	9	9	9	8	9
15	9	9	9	9	9	9	9	9	9	9	8	9
16	9	9	9	9	9	9	9	9	9	9	8	9
17	9	9	9	9	9	9	9	9	9	9	8	9
18	9	9	9	9	9	9	9	9	9	9	8	9
19	9	9	9	9	9	9	9	9	9	9	8	9
20	9	9	9	9	9	9	9	9	9	9	8	9
21	9	9	9	9	9	9	9	9	9	9	8	9
22	9	9	9	9	9	9	9	9	9	9	8	9
23	9	9	9	9	9	9	9	9	9	9	8	9
24	9	9	9	9	9	9	9	9	9	9	8	9
25	9	9	9	9	9	9	9	9	9	9	8	9
26	9	9	9	9	9	9	9	9	9	9	8	9
27	9	9	9	9	9	9	9	9	9	9	8	9
28	9	9	9	9	9	9	9	9	9	9	8	9
29	9	9	9	9	---	9	9	9	9	9	8	9
30	9	9	9	9	---	9	9	9	9	9	8	9
31	9	---	9	9	---	9	---	9	---	9	8	---
MEAN	9	9	9	9	9	9	9	9	9	9	8	9
MAX	10	10	9	9	10	9	9	9	9	9	9	9
MIN	9	9	9	9	9	9	9	8	9	9	8	8

WTR YR 2019 MEAN 9 MAX 10 MIN 8

Phoenix Zoo Dam #5, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	8.5	8.4	8.4	8.3	8.4	8.2	8.1	8.5	8.4	8.3	8.0
2	8.6	8.5	8.4	8.4	8.3	8.3	8.2	8.1	8.5	8.4	8.3	8.2
3	8.5	8.5	8.4	8.4	8.3	8.3	8.3	8.1	8.5	8.4	8.3	8.3
4	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.5	8.4	8.3	8.3
5	8.4	8.4	8.5	8.4	8.3	8.4	8.4	8.4	8.5	8.4	8.3	8.3
6	8.5	8.4	8.5	8.5	8.3	8.3	8.4	8.4	8.5	8.4	8.3	8.3
7	8.5	8.4	8.4	8.5	8.3	8.3	8.4	8.4	8.5	8.4	8.2	8.4
8	8.5	8.4	8.4	8.5	8.3	8.3	8.4	8.4	8.4	8.4	8.2	8.4
9	8.5	8.4	8.4	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.2	8.4
10	8.5	8.5	8.4	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.2	8.4
11	8.5	8.5	8.4	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.1	8.4
12	8.5	8.5	8.4	8.4	8.3	8.4	8.4	8.4	8.4	8.4	8.1	8.4
13	8.7	8.5	8.4	8.4	8.3	8.4	8.4	8.4	8.4	8.4	8.1	8.4
14	8.6	8.5	8.4	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.1	8.4
15	8.5	8.5	8.4	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.0	8.4
16	8.4	8.5	8.4	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.0	8.4
17	8.4	8.4	8.4	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.0	8.4
18	8.4	8.4	8.4	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.0	8.4
19	8.4	8.4	8.4	8.4	8.3	8.3	8.4	8.4	8.4	8.4	7.9	8.4
20	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.4	8.4	8.4	7.9	8.4
21	8.4	8.4	8.4	8.3	8.4	8.3	8.3	8.4	8.4	8.4	7.9	8.4
22	8.4	8.4	8.4	8.3	8.5	8.3	8.3	8.4	8.4	8.4	7.9	8.4
23	8.4	8.4	8.4	8.3	8.4	8.3	8.3	8.4	8.4	8.4	7.8	8.5
24	8.4	8.4	8.4	8.3	8.4	8.3	8.3	8.4	8.4	8.4	7.8	8.5
25	8.5	8.4	8.4	8.3	8.4	8.3	8.2	8.5	8.4	8.4	7.8	8.5
26	8.5	8.4	8.4	8.3	8.4	8.2	8.2	8.4	8.4	8.4	7.8	8.5
27	8.5	8.5	8.4	8.3	8.3	8.2	8.2	8.4	8.4	8.4	7.8	8.4
28	8.5	8.5	8.4	8.3	8.4	8.2	8.2	8.4	8.4	8.4	7.8	8.4
29	8.5	8.5	8.4	8.3	---	8.2	8.2	8.4	8.4	8.3	7.8	8.5
30	8.5	8.5	8.4	8.3	---	8.2	8.1	8.5	8.4	8.3	7.8	8.5
31	8.4	---	8.4	8.3	---	8.2	---	8.5	---	8.3	7.8	---
MEAN	8.5	8.4	8.4	8.4	8.3	8.3	8.3	8.4	8.4	8.4	8.0	8.4
MAX	9.2	8.7	8.5	8.5	8.7	8.4	8.4	8.6	8.6	8.5	8.3	8.5
MIN	8.4	8.4	8.4	8.3	8.3	8.2	8.1	8.1	8.4	8.3	7.8	7.9

WTR YR 2019 MEAN 8.36 MAX 9.15 MIN 7.75

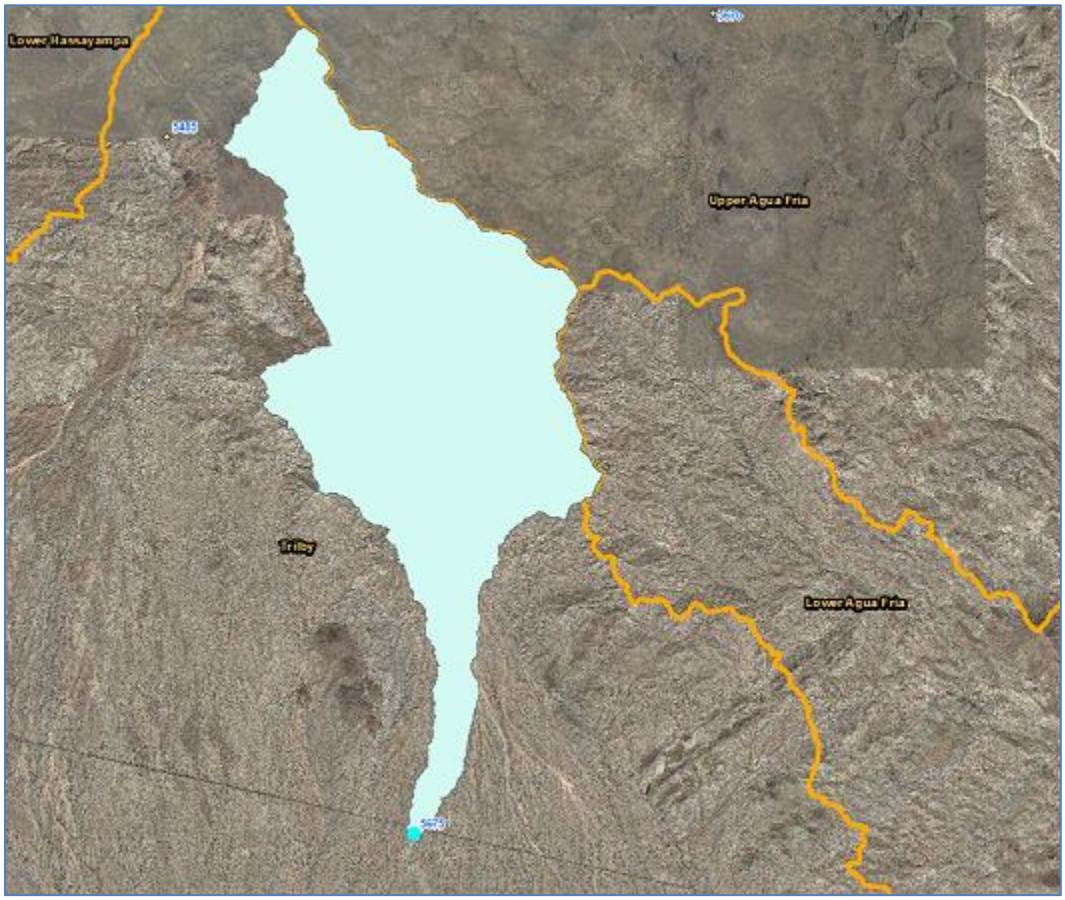
Picacho Wash, ID #5678

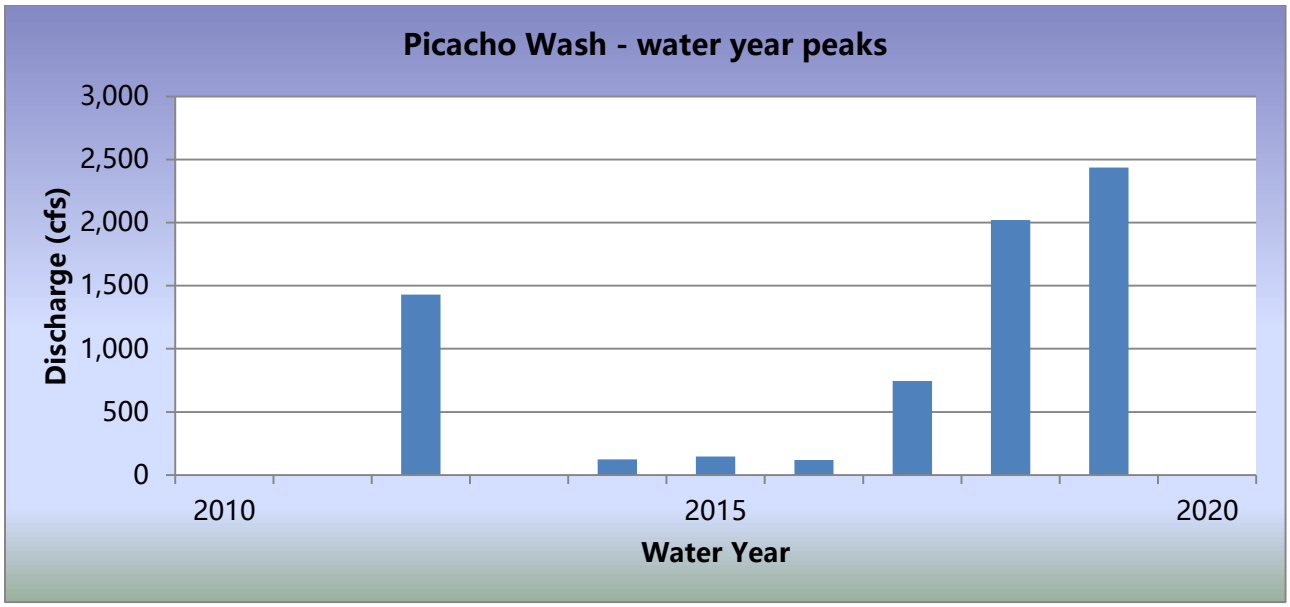


Site Data

LOCATION	Located near milepost 10 on SR74
DRAINAGE AREA	17.8 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S28 T6N R2W
LATITUDE	N 33° 50' 08.3" | +33.83563
LONGITUDE	W 112° 28' 32.1" | -112.47557
ARIZONA STATE PLANE	E 530364 | N 1032224
USGS QUAD SHEET	Hieroglyphic Mountains SW 7.5-Minute
STREAMGAGE INSTALLATION DATE	04/11/2012 - WY 2012
AVAILABLE PERIOD OF RECORD (POR)	04/11/2012 - Current
LENGTH OF AVAILABLE POR DATA	7.47 Years | 2,729 Days
DATA GAPS IN POR	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.90 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,961.78 feet NAVD88
POINT OF ZERO FLOW	0.1 feet
EXTREME FOR PERIOD OF RECORD	2,437 cfs | 4.41 feet | 09/23/2019

Watershed Map

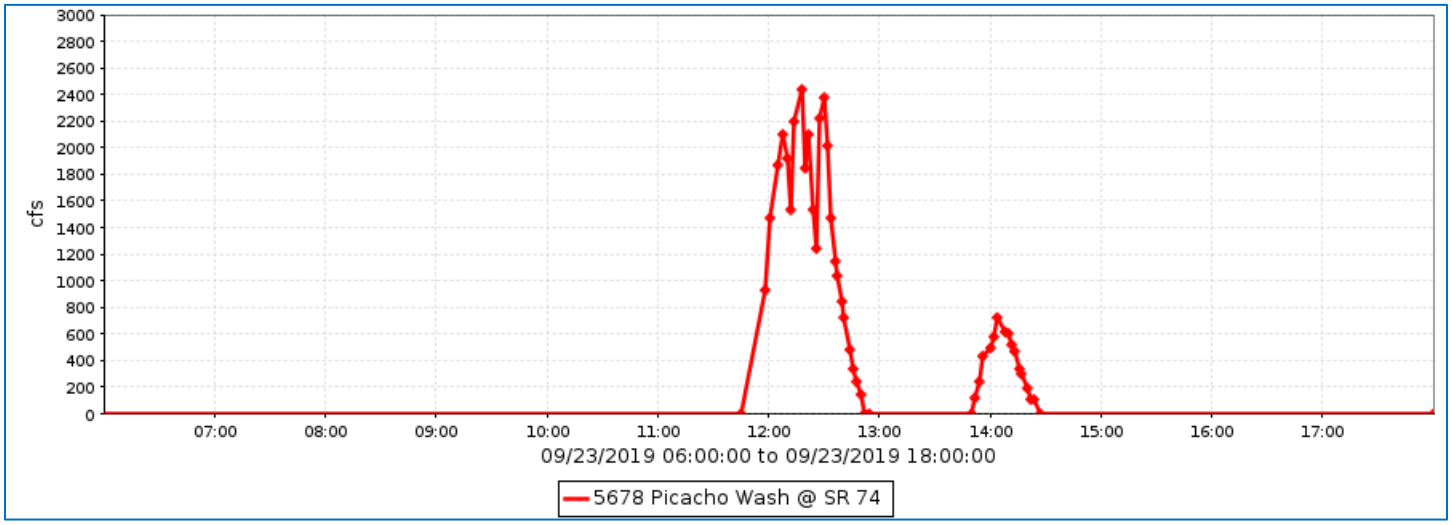




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
09/23/2019	4.41	2,437
09/23/2019	2.69	719

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Picacho Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												64
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	64
MEAN	0	0	0	0	0	0	0	0	0	0	0	2
MAX	0	0	0	0	0	0	0	0	0	0	0	2437
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	127

WTR YR 2019 TOTAL 64 MEAN 0 MAX 2437 MIN 0 AC_FT 127

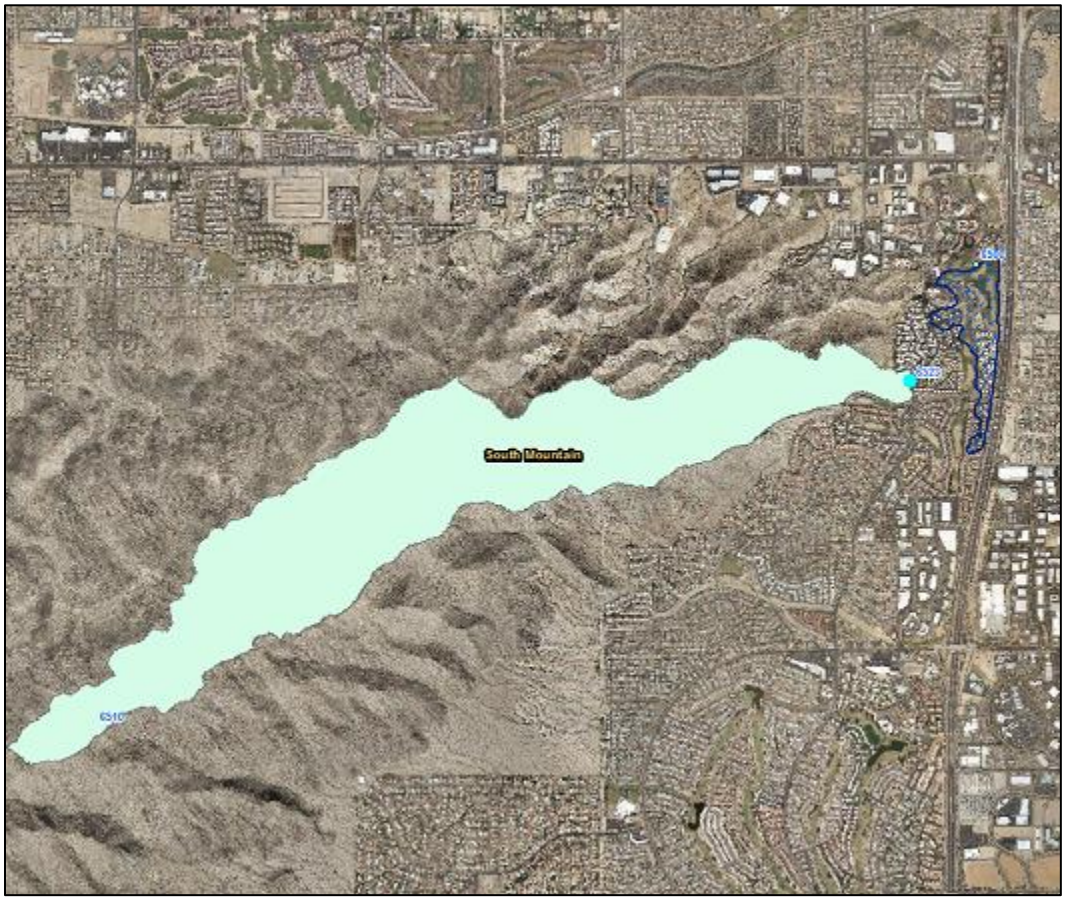
Pima Canyon Wash, ID #6523

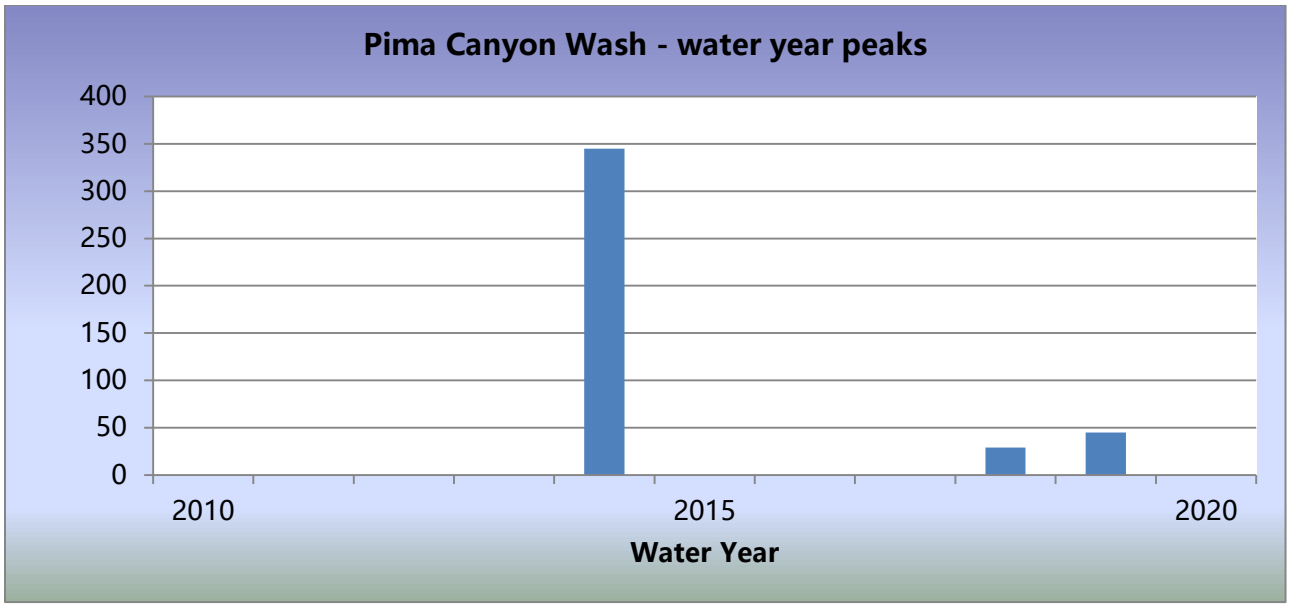


Site Data

LOCATION	Located near 48th Street and Guadalupe Road
DRAINAGE AREA	1.51 mi^2
STREAM TYPE	Culvert
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S05 T1S R4E
LATITUDE	N 33° 21' 54.1" | +33.36504
LONGITUDE	W 111° 58' 30.4" | -111.97512
STREAMGAGE INSTALLATION DATE	04/15/2014 - WY 2014
AVAILABLE PERIOD OF RECORD (POR)	04/15/2014 - Current
LENGTH OF AVAILABLE POR DATA	5.46 Years | 1,995 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.69 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,302.90 feet NAVD88
POINT OF ZERO FLOW	1.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	345 cfs | 6.52 feet Gage Height | 09/08/2014

Watershed Map

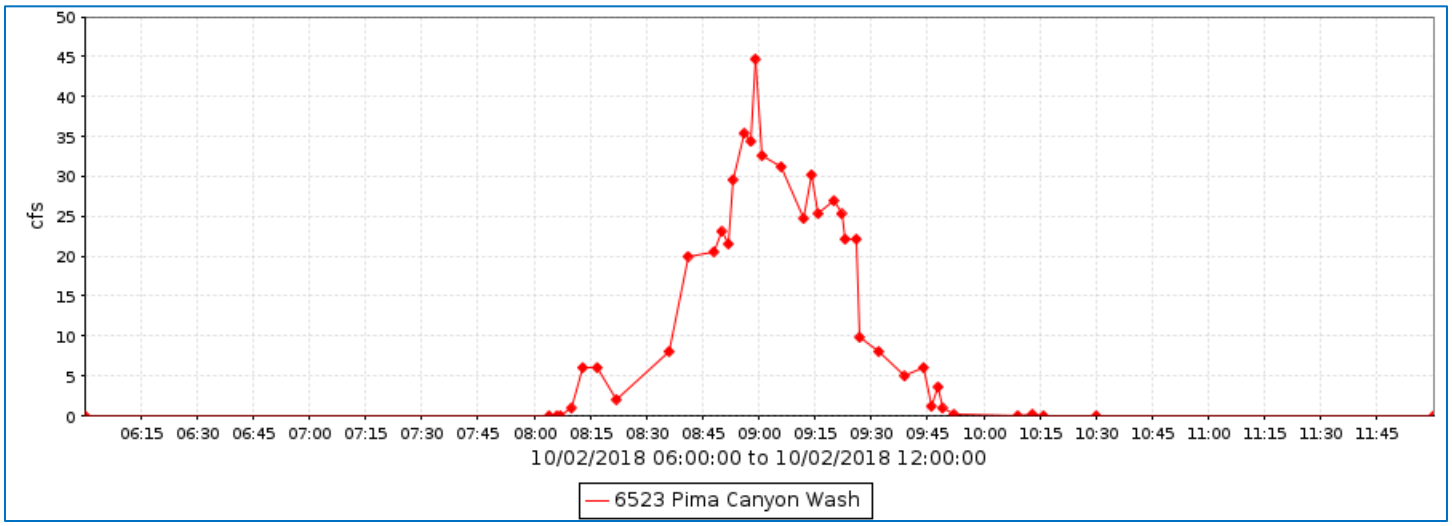




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	3.29	45
10/13/2018	3.22	41
10/13/2018	2.55	13
09/23/2019	2.78	26

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Pima Canyon Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	2											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	3	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	45	0	0	0	0	0	0	0	0	0	0	26
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	6	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 3 MEAN 0 MAX 45 MIN 0 AC_FT 6

Powder House Wash, ID #7113

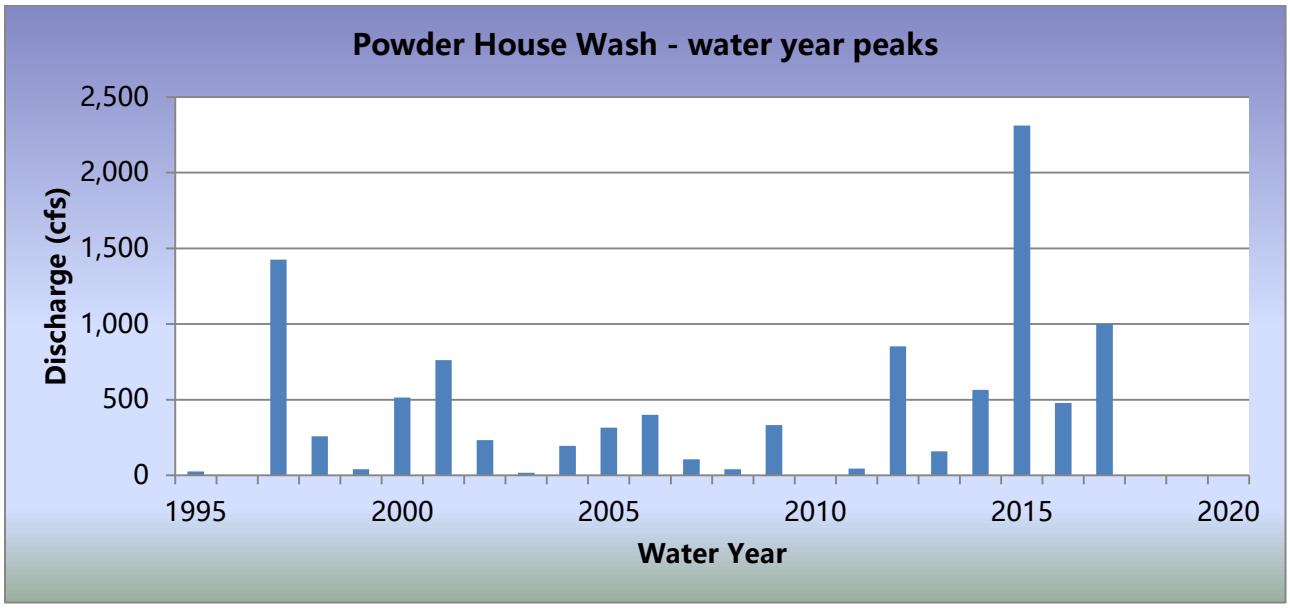


Site Data

LOCATION	In Wickenburg, north of Constellation Road
DRAINAGE AREA	1.8 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S06 T7N R4W
LATITUDE	N 33° 58' 51.0" | +33.98083
LONGITUDE	W 112° 43' 02.3" | -112.71732
STREAMGAGE INSTALLATION DATE	05/18/1995 - WY 1995
AVAILABLE PERIOD OF RECORD (POR)	05/18/1995 - Current
LENGTH OF AVAILABLE POR DATA	24.37 Years | 8,902 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-0.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	2,133.59 feet NAVD88
POINT OF ZERO FLOW	-0.6 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,312 cfs | 2.42 feet | 07/18/2015

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
None		

Hydrograph of peak WY 2019 flow event,

No runoff recorded during Water Year 2019. Sensor level is above channel bottom, so flow possibly occurred, but missed the sensor.

Flood Flow Frequency

Flood Flow Frequency N=25, HEC-WRC computation (based on 25 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
149	**690**	**1,410**	**2,450**	**4,370**	**6,260**

NOTE: These results are based on very limited data.

Powder House Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13											---	
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

NOTE: Elevation of level sensor is about 0.5 feet above channel.

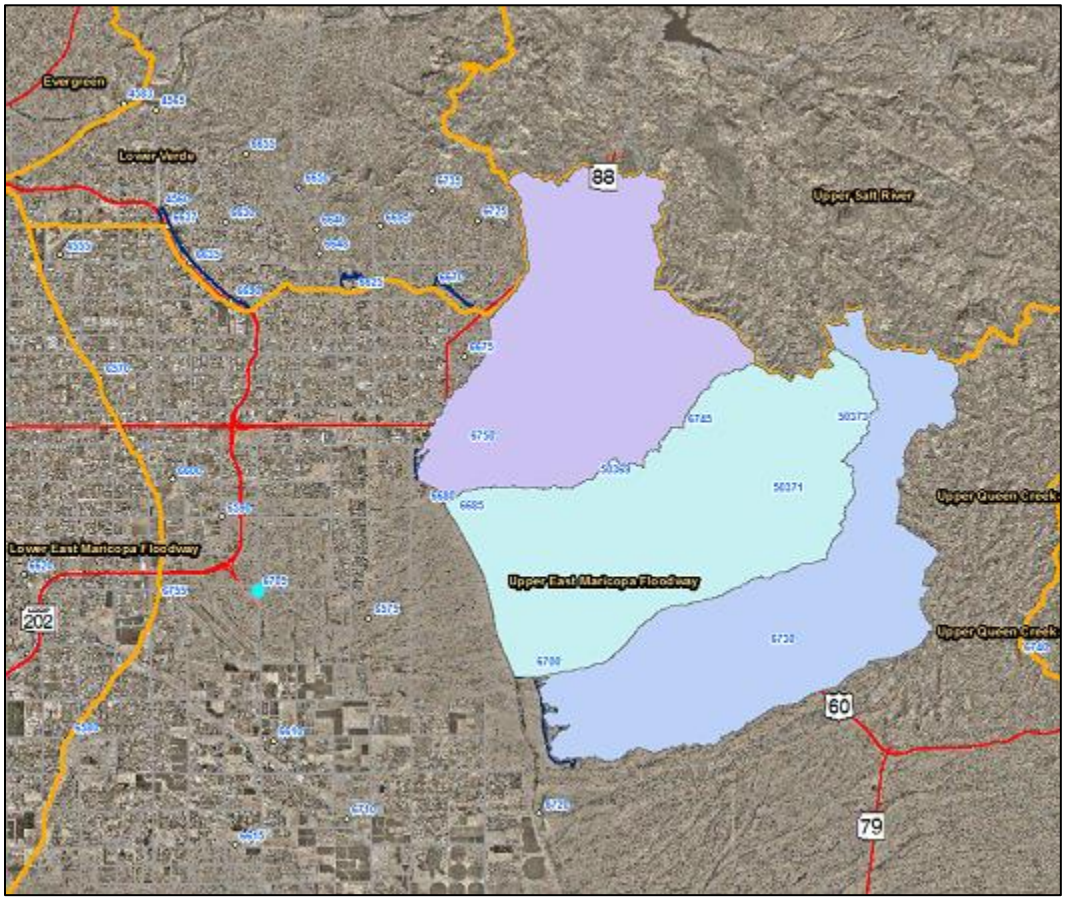
Powerline Floodway, ID #6708

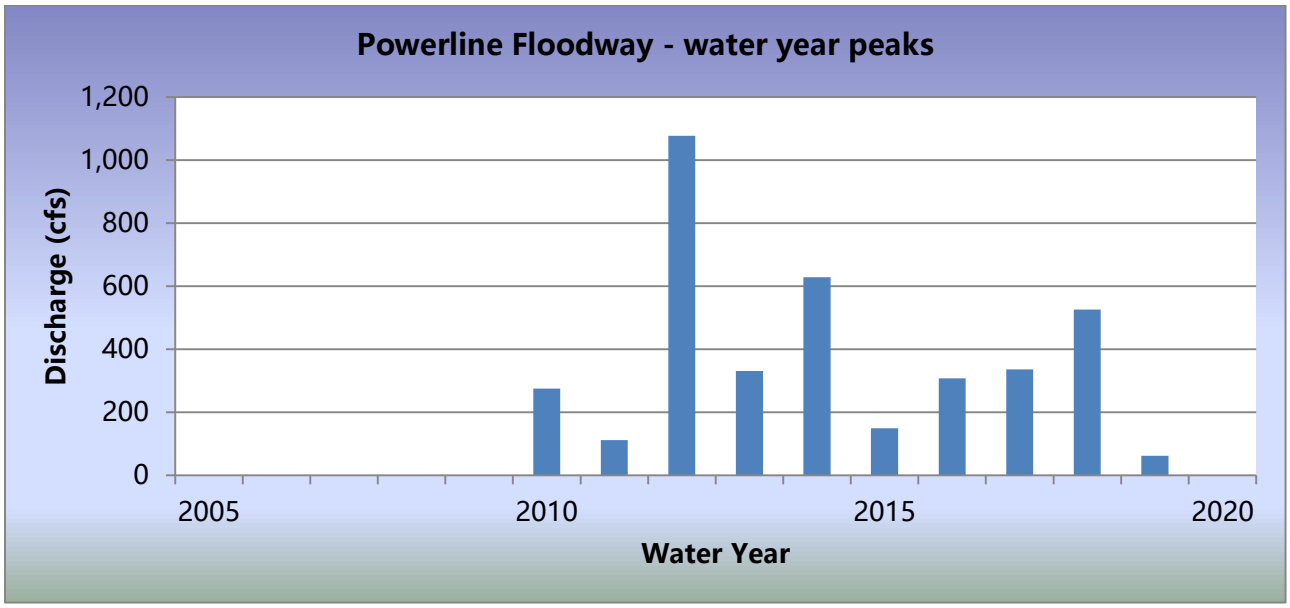


Site Data

LOCATION	Located near Ellsworth and Ray Roads
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Mesa, Arizona
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S28 T1S R7E
LATITUDE	N 33° 19' 16.4" | +33.32123
LONGITUDE	W 111° 38' 09.9" | -111.63609
STREAMGAGE INSTALLATION DATE	02/13/2008 - WY 2008
AVAILABLE PERIOD OF RECORD (POR)	02/13/2008 - Current
LENGTH OF AVAILABLE POR DATA	11.63 Years | 4,248 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,381.65 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,077 cfs | 4.70 feet | 09/04/2012

Watershed Map

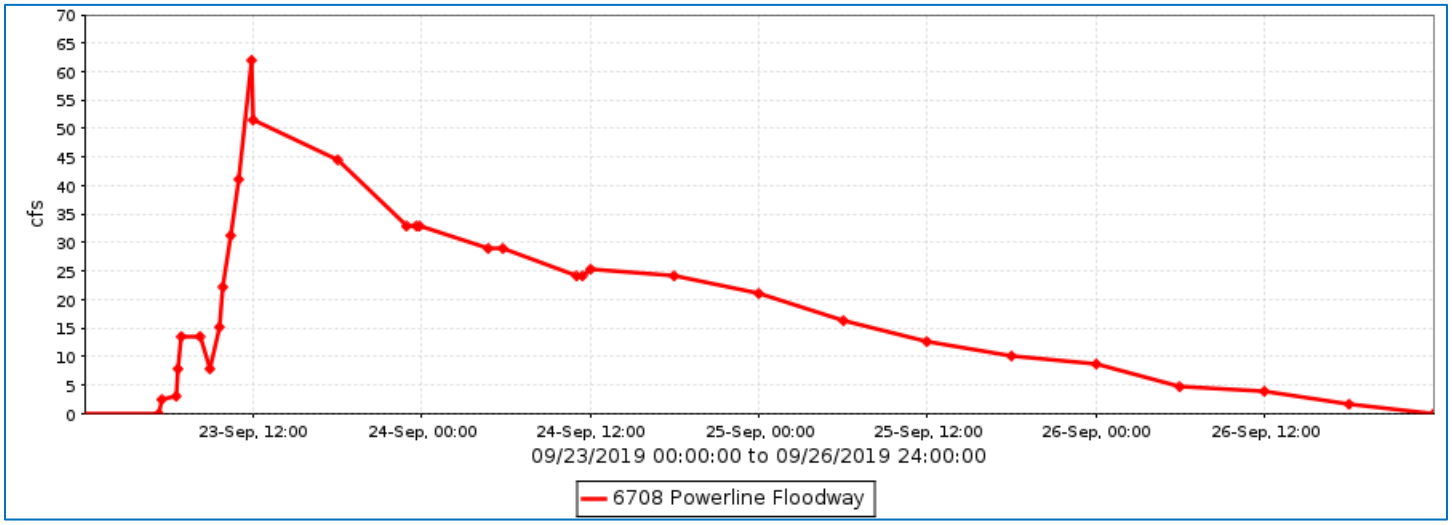




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
09/23/2019	1.14	62

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Runoff at this station is mainly due to discharge from Powerline FRS and Vineyard FRS and is regulated by the size of the outlets for each structure. Flood Frequency data would not be meaningful at this location.

Powerline Floodway, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												28
24												27
25												15
26												5
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	75
MEAN	0	0	0	0	0	0	0	0	0	0	0	3
MAX	0	0	0	0	0	0	0	0	0	0	0	62
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	150

WTR YR 2019 TOTAL 76 MEAN 0 MAX 62 MIN 0 AC_FT 150

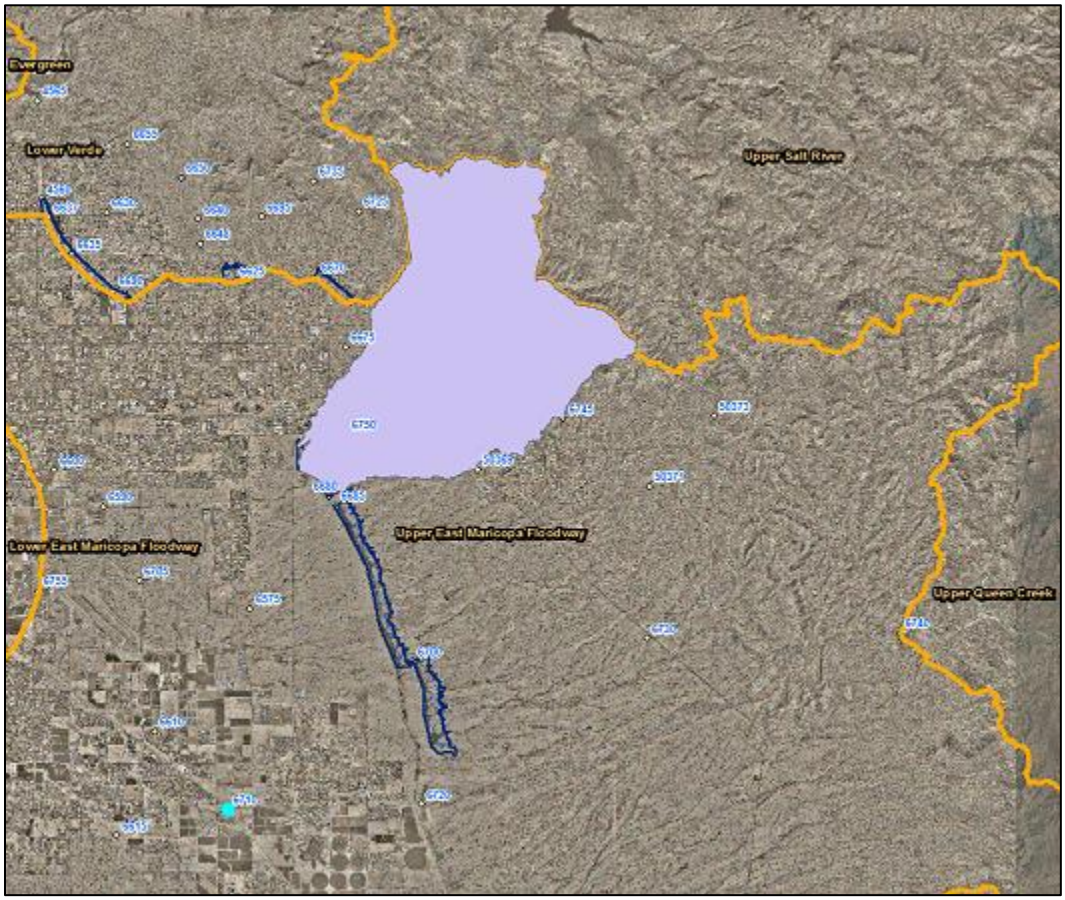
Powerline FRS, ID #6683

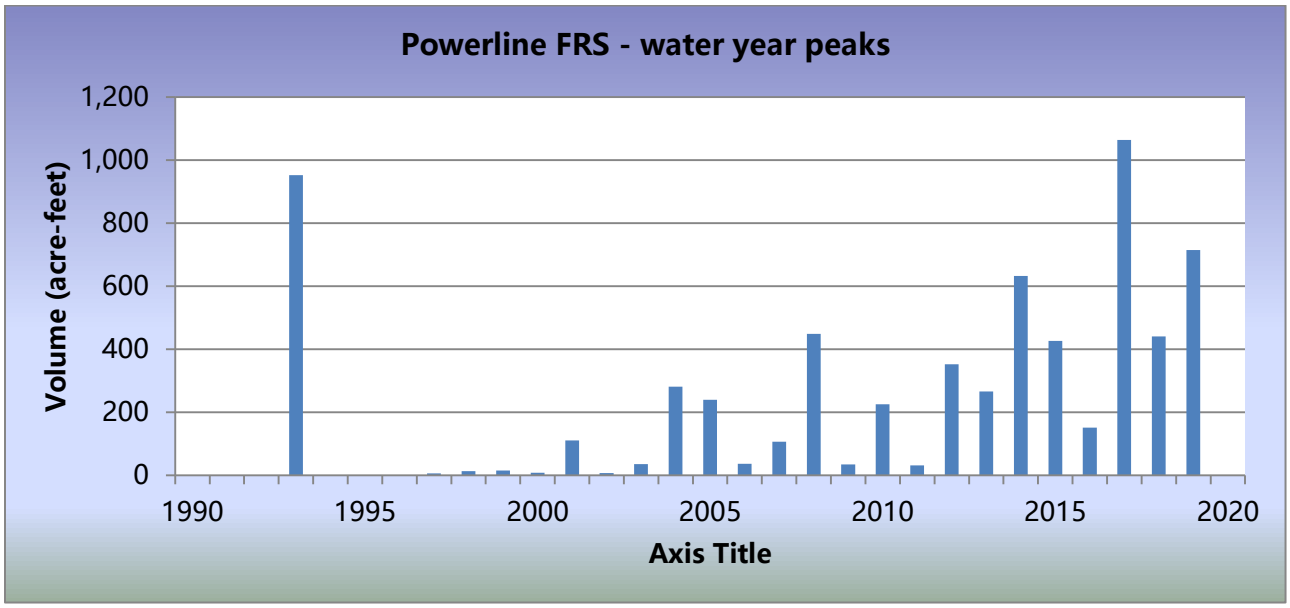


Site Data

LOCATION	Located south of Apache Junction east of Ironwood Road
DRAINAGE AREA	46.2 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Pinal County, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S09 T1S R8E
LATITUDE	N 33° 21' 16.7" | +33.35463
LONGITUDE	W 111° 32' 45.5" | -111.54598
STREAMGAGE INSTALLATION DATE	12/02/1992 - WY 1993
AVAILABLE PERIOD OF RECORD (POR)	12/02/1992 - Current
LENGTH OF AVAILABLE POR DATA	26.83 Years | 9,799 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	5
ZERO GAGE HEIGHT ELEVATION	1,563.82 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	21.1 feet Gage Height
TOP OF DAM ELEVATION	25.6 feet Gage Height

Watershed Map

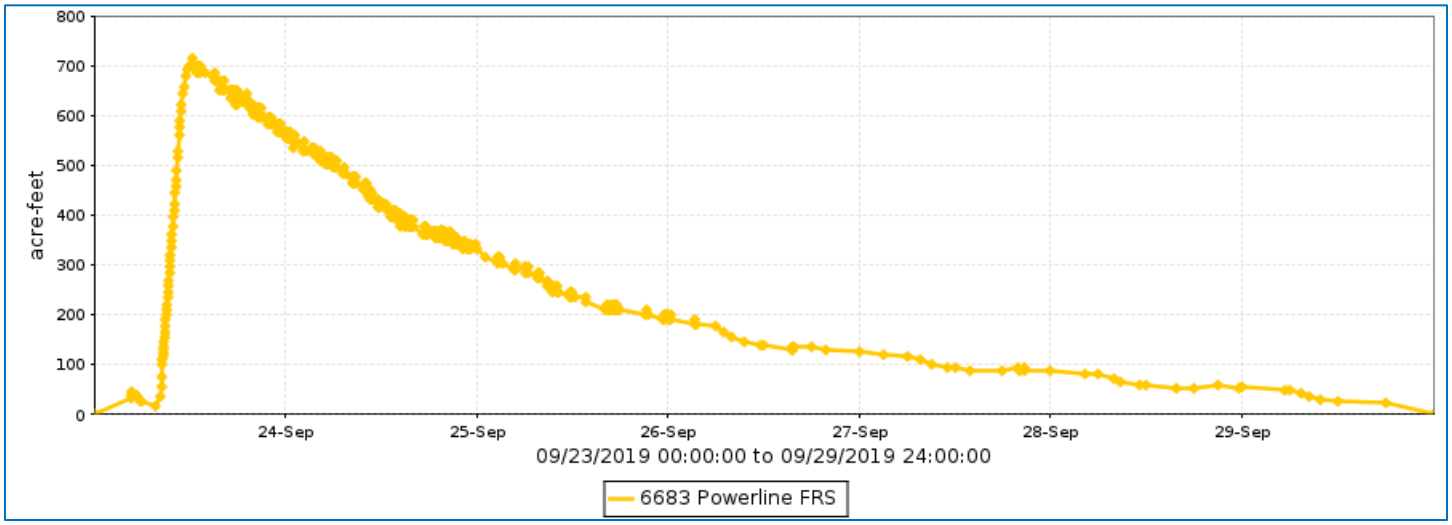




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/13/2018	0.40	25.6	0.5
02/22/2019	3.48	275.1	5.6
09/23/2019	6.84	714.4	14.6

Hydrograph of peak WY 2019 impoundment event, 09/23/2019



Powerline FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21					7							
22					46							
23					34							51
24					21							67
25					12							47
26					4							31
27												20
28												13
29					---							7
30					---							
31		---			---		---		---			---
TOTAL	1	0	0	0	125	0	0	0	0	0	0	234
MEAN	0	0	0	0	4	0	0	0	0	0	0	8
MAX	5	0	0	0	50	0	0	0	0	0	0	87
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2	0	0	0	247	0	0	0	0	0	0	465

WTR YR 2019 TOTAL 360 MEAN 1 MAX 87 MIN 0 AC_FT 714

Powerline FRS, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	5											
14												
15												
16												
17												
18												
19												
20												
21					35							
22					246							
23					167							387
24					107							435
25					64							251
26					21							152
27												100
28												67
29					---							34
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	23	0	0	0	0	0	0	48
MAX	26	0	0	0	275	0	0	0	0	0	0	714
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 6 MAX 714 MIN 0

Powerline FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	3.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	2.4	0.2	0.2	0.2	0.2	0.2	0.2	4.0
24	0.2	0.2	0.2	0.2	1.7	0.2	0.2	0.2	0.2	0.2	0.2	4.8
25	0.2	0.2	0.2	0.2	1.0	0.2	0.2	0.2	0.2	0.2	0.2	3.3
26	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	2.3
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.6
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.0
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.5
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.7
MAX	0.4	0.2	0.2	0.2	3.5	0.2	0.2	0.2	0.2	0.2	0.2	6.8
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.27 MAX 6.84 MIN 0.20

Price Drain, ID #4573

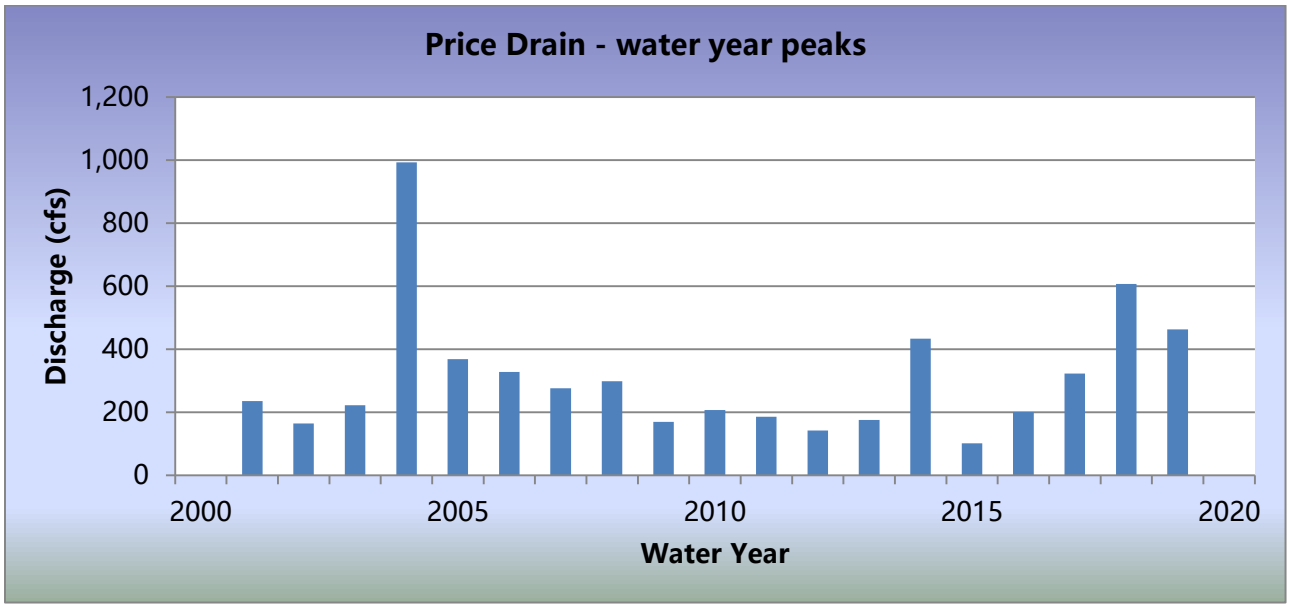


Site Data

LOCATION	Located within the Loop 101 / Loop 202 Interchange
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Mesa
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S18 T1N R5E
LATITUDE	N 33° 26' 03.8" | +33.43440
LONGITUDE	W 111° 53' 25.0" | -111.89028
STREAMGAGE INSTALLATION DATE	02/18/2001 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	02/18/2001 - Current
LENGTH OF AVAILABLE POR DATA DATA	18.61 Years | 6,799 Days
DATA GAPS IN POR	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.20 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,158.14 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	993 cfs | 8.50 feet | 03/04/2004

Location Map (watershed undetermined)

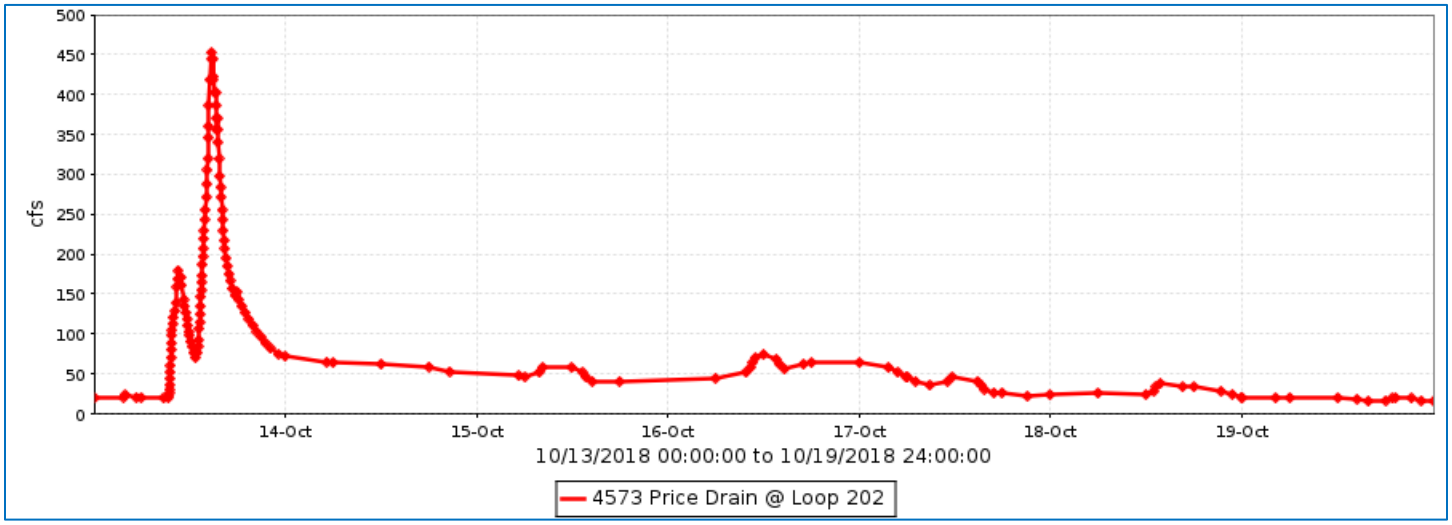




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/01/2018	2.01	63
10/02/2018	4.81	339
10/07/2018	2.34	84
10/13/2018	5.58	463
01/06/2019	2.46	93
02/21/2019	3.99	229
03/12/2019	2.02	63
07/23/2019	2.16	72
07/30/2019	4.01	231
07/30/2019	2.04	64
08/29/2019	2.59	102
09/23/2019	4.41	283
09/26/2019	3.88	218

Hydrograph of peak WY 2019 flow event, 10/13/2018



Flood Flow Frequency

This site is not suitable to compute a flood flow frequency.

Price Drain, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	13	13	16	7	3	11	18	14	15	21	17
2	93	17	11	4	8	3	10	24	14	17	21	14
3	36	14	10	2	24	3	14	22	14	21	19	15
4	18	14	11	2	15	4	7	18	15	20	32	17
5	14	11	9	3	9	3	15	18	18	19	18	18
6	12	12	7	45	20	5	13	17	14	19	19	22
7	47	8	6	16	8	4	10	14	16	20	19	20
8	25	13	9	6	6	4	10	12	14	19	21	21
9	17	14	13	4	6	4	13	9	14	18	25	22
10	18	14	11	3	6	5	15	11	18	22	22	19
11	19	13	13	3	5	5	13	12	14	23	22	20
12	19	13	13	3	4	20	17	13	16	24	26	16
13	103	14	16	5	8	13	13	12	14	23	19	21
14	63	15	9	5	8	8	9	12	16	22	20	18
15	48	15	8	6	13	7	9	12	15	21	25	17
16	55	11	7	9	8	7	8	14	15	25	27	16
17	41	9	8	8	7	10	18	16	18	27	20	15
18	28	12	15	6	4	9	14	13	15	22	19	18
19	19	10	15	6	3	10	15	11	18	28	20	18
20	18	9	13	5	7	9	13	13	19	20	19	20
21	21	15	9	5	54	11	16	10	20	26	20	19
22	19	9	5	8	81	14	12	9	13	22	22	19
23	13	5	7	13	33	12	14	10	12	29	28	110
24	12	4	5	13	27	13	18	13	13	30	25	77
25	7	3	5	12	21	12	17	13	14	33	22	65
26	10	9	6	17	18	12	19	11	18	26	23	64
27	12	13	5	14	9	9	19	12	17	28	20	26
28	10	11	6	11	4	10	18	13	15	25	23	19
29	15	12	6	11	---	16	17	14	15	25	75	12
30	18	20	5	10	---	14	14	12	18	48	29	13
31	14	---	6	9	---	10	---	15	---	80	20	---
TOTAL	877	353	284	279	425	270	411	423	465	799	739	786
MEAN	28	12	9	9	15	9	14	14	16	26	24	26
MAX	452	35	23	88	226	60	27	31	30	231	102	283
MIN	5	1	1	0	---	1	5	5	9	10	15	7
AC_FT	1739	700	564	553	844	535	815	839	923	1586	1465	1558

WTR YR 2019 TOTAL 6111 MEAN 17 MAX 452 MIN --- AC_FT 12121

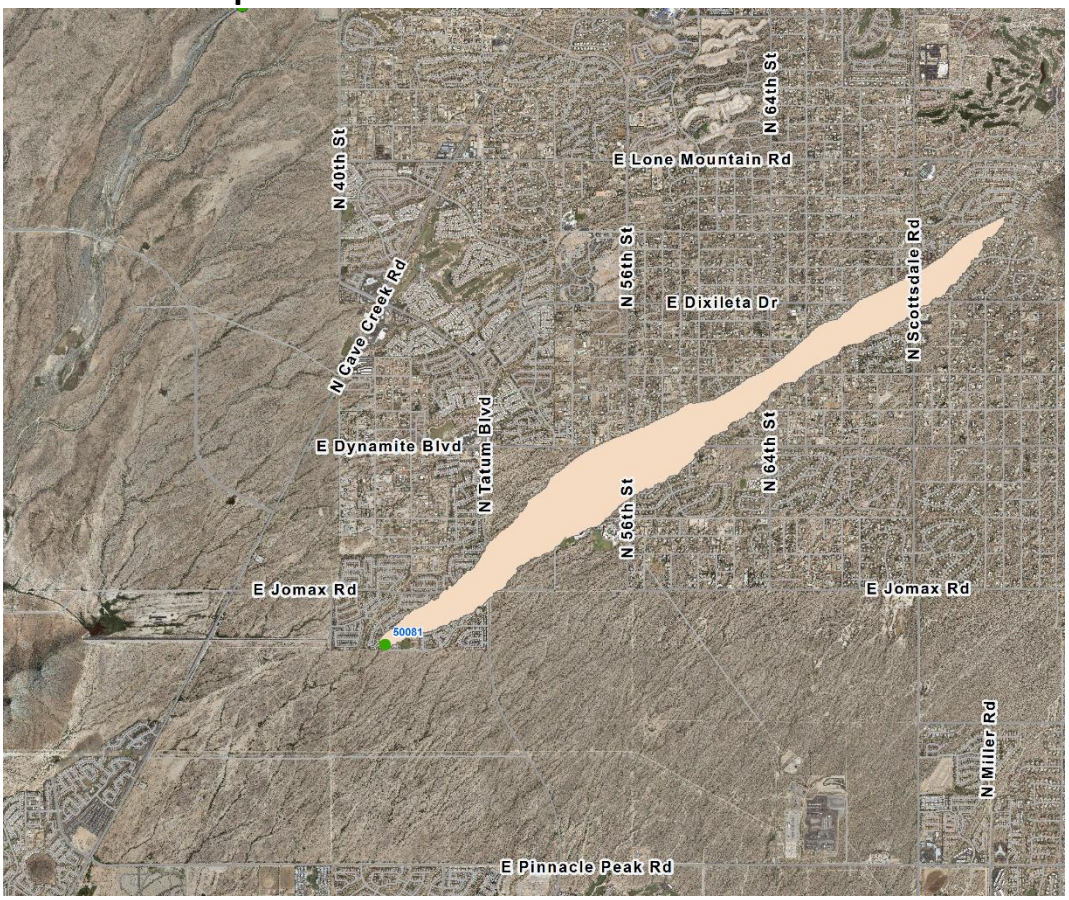
Prickly Pear Wash, ID #8107

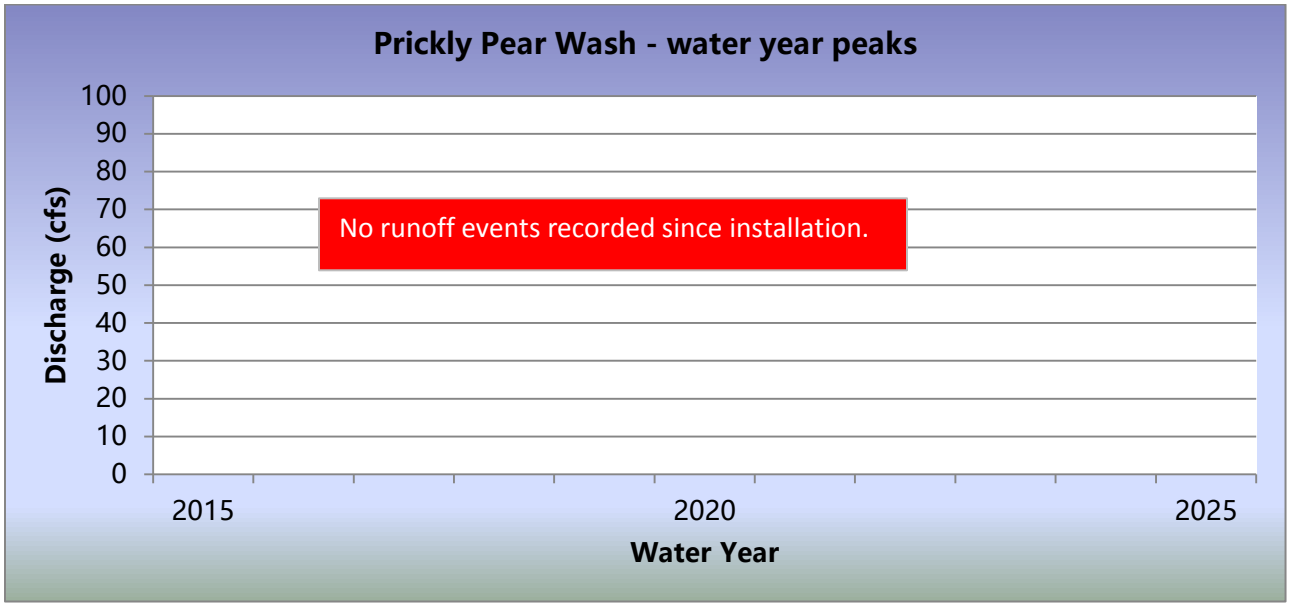


Site Data

LOCATION	Located at John Teets Park near Ramuda Drive and 43rd Way
DRAINAGE AREA	1.38 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S06 T4N R4E
LATITUDE	N 33° 43' 15.9" | +33.72107
LONGITUDE	W 111° 59' 24.0" | -111.99001
STREAMGAGE INSTALLATION DATE	06/01/2017 - WY 2017
AVAILABLE PERIOD OF RECORD (POR)	06/01/2017 - Current
LENGTH OF AVAILABLE POR DATA	2.33 Years | 852 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.70 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,730.25 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	None recorded since installation

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
None		

Hydrograph of peak WY 2019 flow event

There was no runoff events recorded in Water Year 2019.

Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Prickly Pear Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8			---									
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

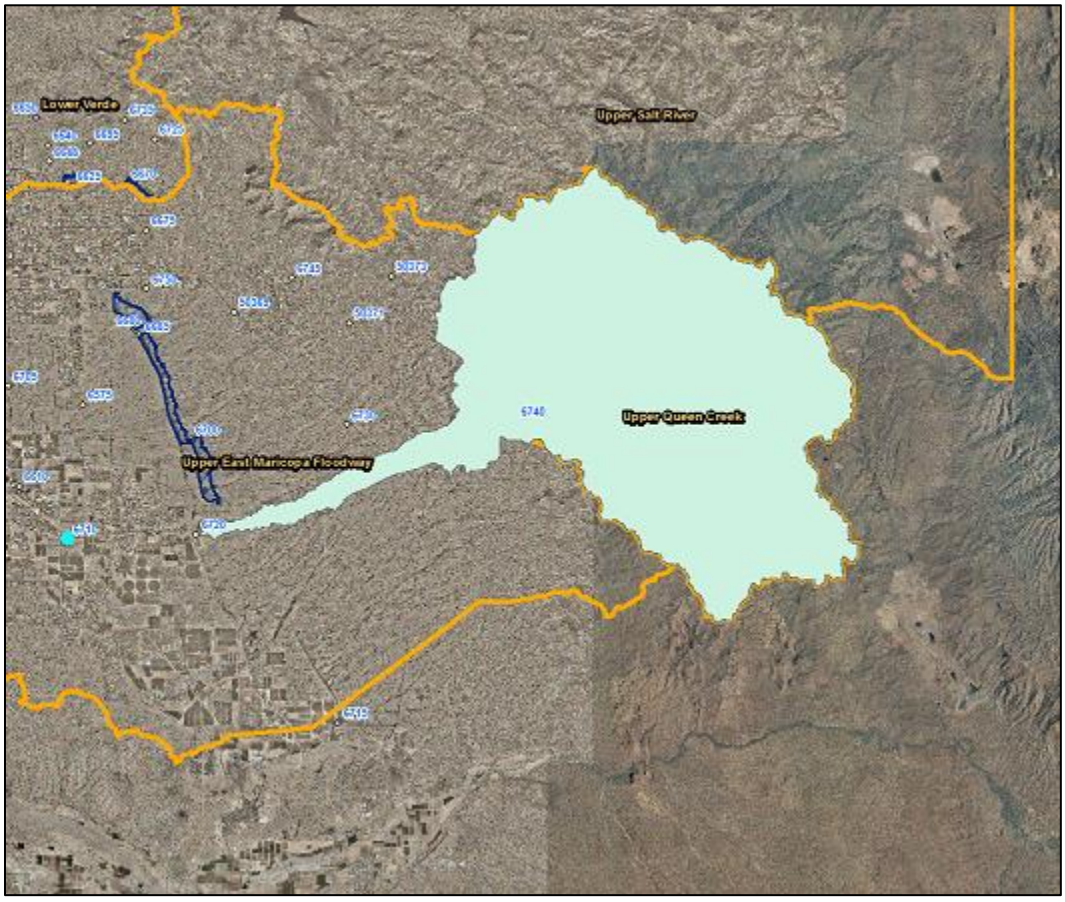
Queen Creek at CAP, ID #6723

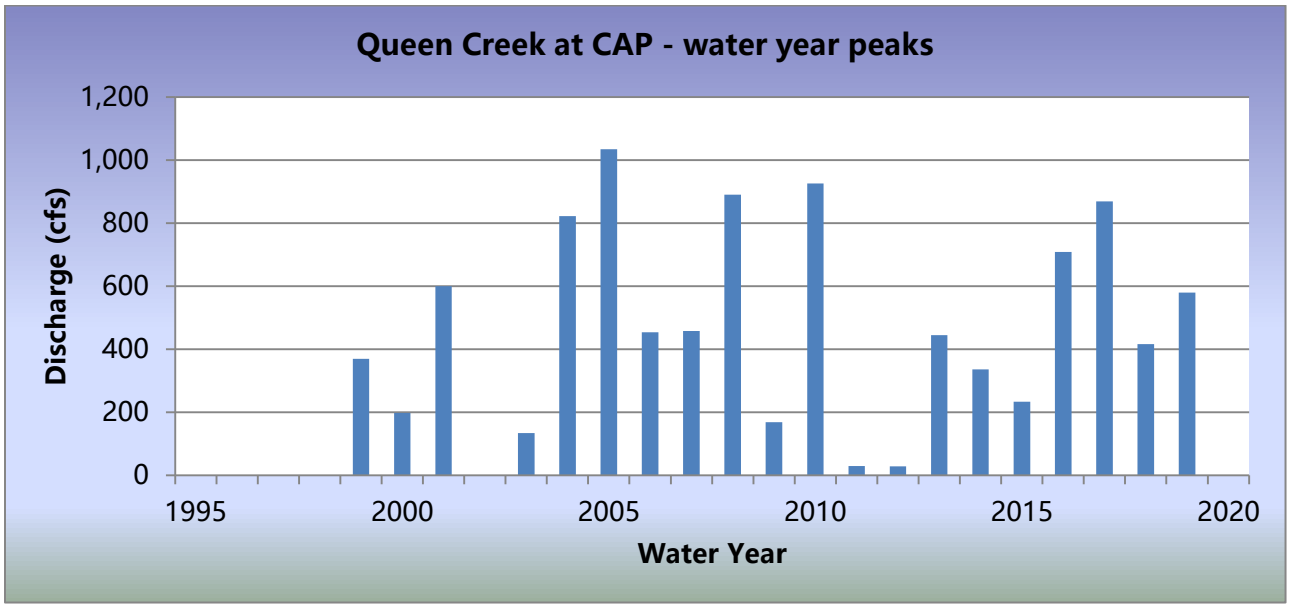


Site Data

LOCATION	Located in Pinal County at the CAP crossing and the Sonoqui Dike
DRAINAGE AREA	256 mi^2
STREAM TYPE	Dike across natural stream
JURISDICTION	Pinal County, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S26 T2S R8E
LATITUDE	N 33° 13' 55.8" | +33.23216
LONGITUDE	W 111° 30' 11.3" | -111.50314
STREAMGAGE INSTALLATION DATE	01/14/1999 - WY 1999
AVAILABLE PERIOD OF RECORD (POR)	01/14/1999 - Current
LENGTH OF AVAILABLE POR DATA	20.71 Years | 7,565 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,569.00 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,043 cfs | 10.15 feet | 02/12/2005

Watershed Map

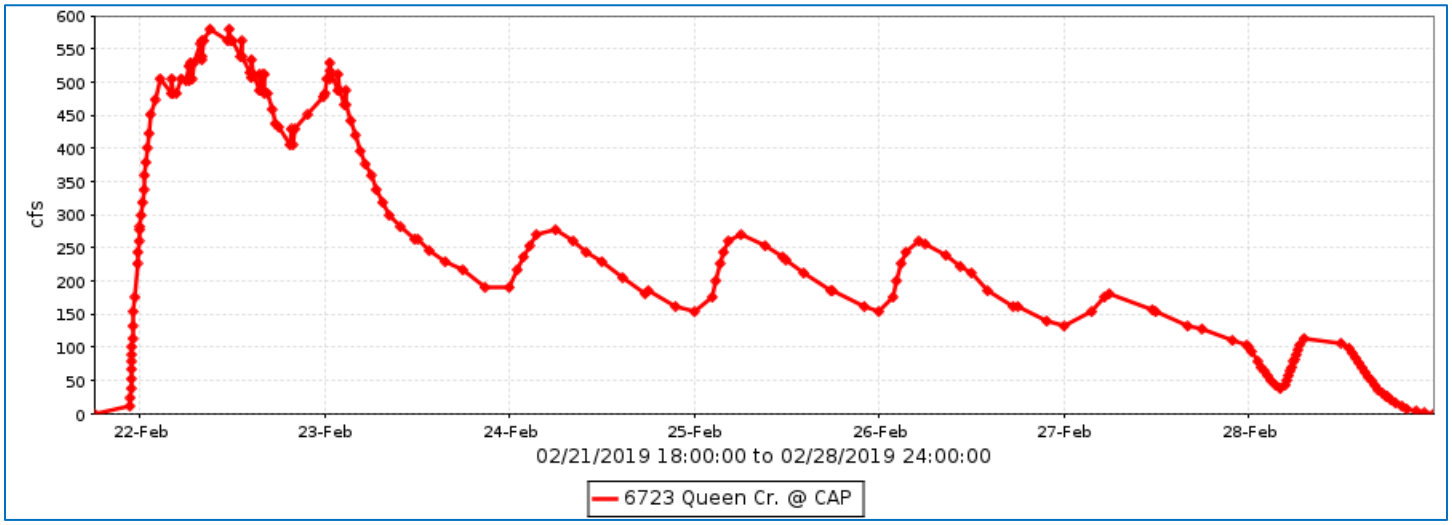




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
02/15/2019	3.58	277
02/22/2019	5.35	580
02/24/2019	3.58	277
02/25/2019	3.53	270
02/26/2019	3.46	260
02/27/2019	2.99	181
02/28/2019	2.59	114
03/14/2019	3.24	230

Hydrograph of peak WY 2019 flow event, 02/22/2019



Flood Flow Frequency

Flood Flow Frequency N=21, HEC-WRC computation (based on 21 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
354	**832**	**1,220**	**1,640**	**2,200**	**2,640**

NOTE: These results are based on very limited data.

Queen Creek at CAP, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13						37						
14						172						
15					150	32						
16					53							
17												
18												
19												
20												
21					9							
22					491							
23					302							
24					223							
25					215							
26					199							
27					148							
28					64							
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	1857	242	0	0	0	0	0	0
MEAN	0	0	0	0	66	8	0	0	0	0	0	0
MAX	0	0	0	0	580	230	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	3683	479	0	0	0	0	0	0

WTR YR 2019 TOTAL 2098 MEAN 6 MAX 580 MIN 0 AC_FT 4162

Queen Creek at Rittenhouse Road, ID #6707

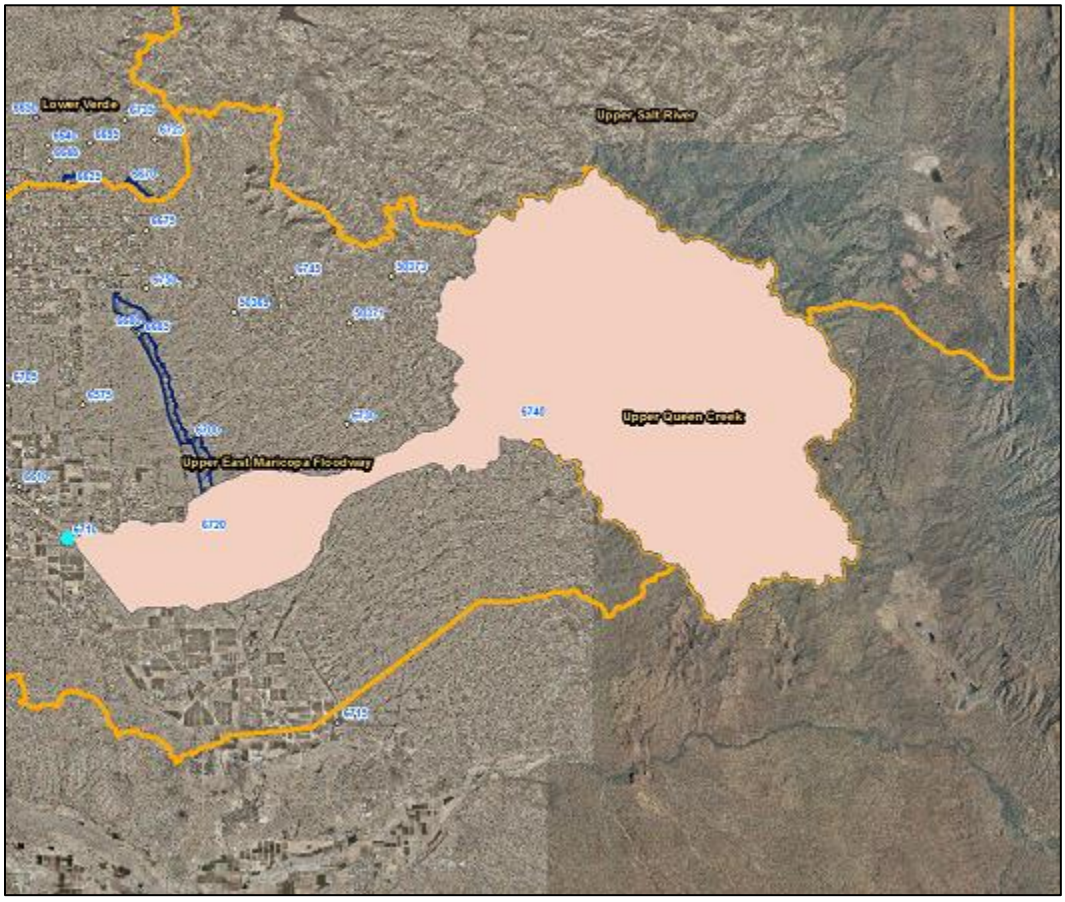


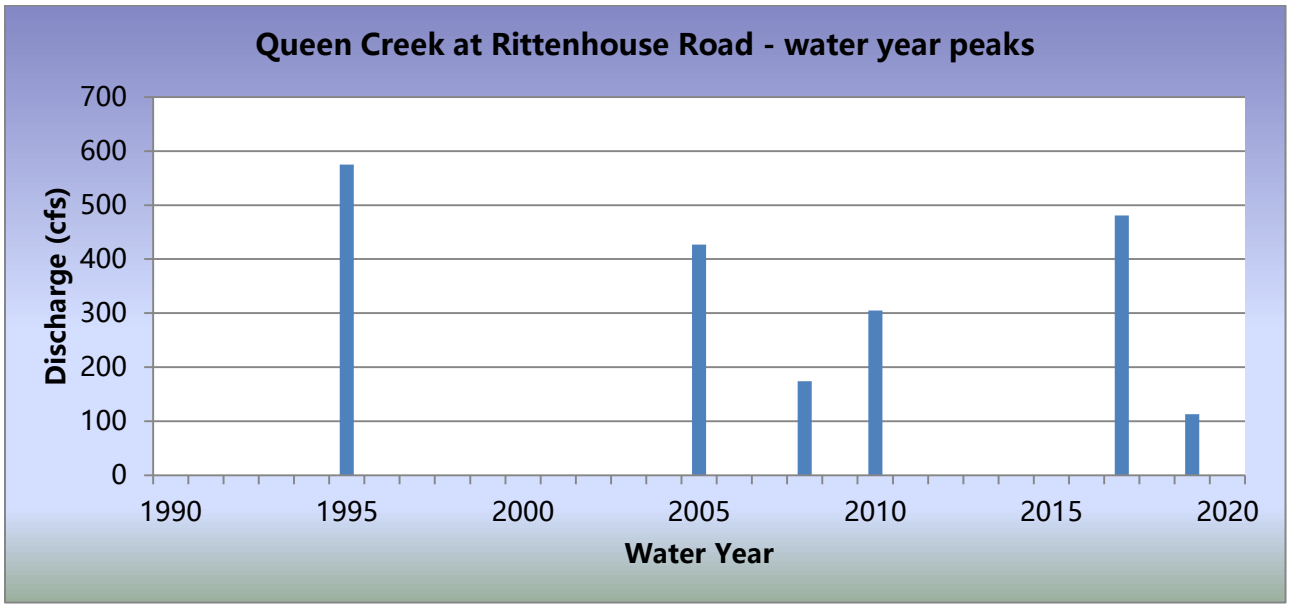
Site Data

LOCATION	At the Queen Creek crossing of Rittenhouse Road
DRAINAGE AREA	236 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Queen Creek, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S25 T2S R7E
LATITUDE	N 33° 13' 48.9" | +33.23025
LONGITUDE	W 111° 35' 39.4" | -111.59428
STREAMGAGE INSTALLATION DATE	09/14/1993 - WY 1993
AVAILABLE PERIOD OF RECORD (POR)	09/14/1993 – 09/18/2019
LENGTH OF AVAILABLE POR DATA	26.01 Years | 9,500 Days
DATA GAPS IN POR	05/28/2014 - 06/29/2014
STAGE GAGE ELEVATION	1.42 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,436.91 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	575 cfs | 2.25 feet | 01/06/1995

NOTE: Station removed for construction on September 18, 2019.

Watershed Map

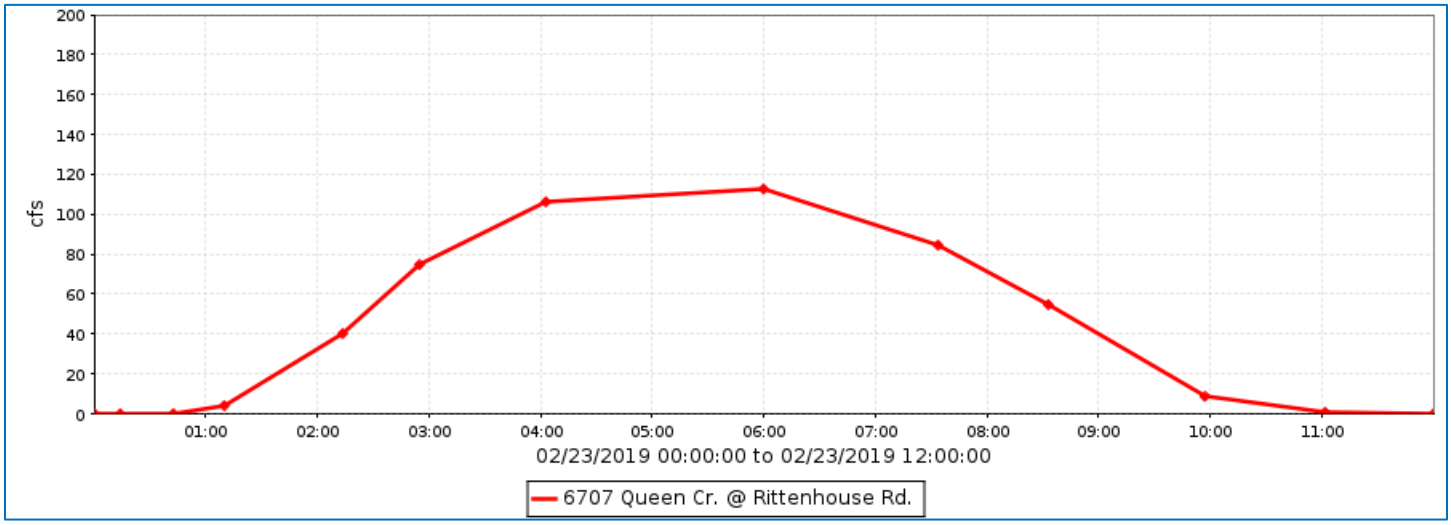




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
02/23/2019	2.62	113

Hydrograph of peak WY 2019 flow event



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Queen Creek at Rittenhouse Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												---
20												---
21												---
22												---
23					28							---
24												---
25												---
26												---
27												---
28												---
29					---							---
30					---							---
31		---			---		---		---			---
TOTAL	0	0	0	0	28	0	0	0	0	0	0	0
MEAN	0	0	0	0	1	0	0	0	0	0	0	0
MAX	0	0	0	0	113	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	55	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 28 MEAN 0 MAX 113 MIN 0 AC_FT 55

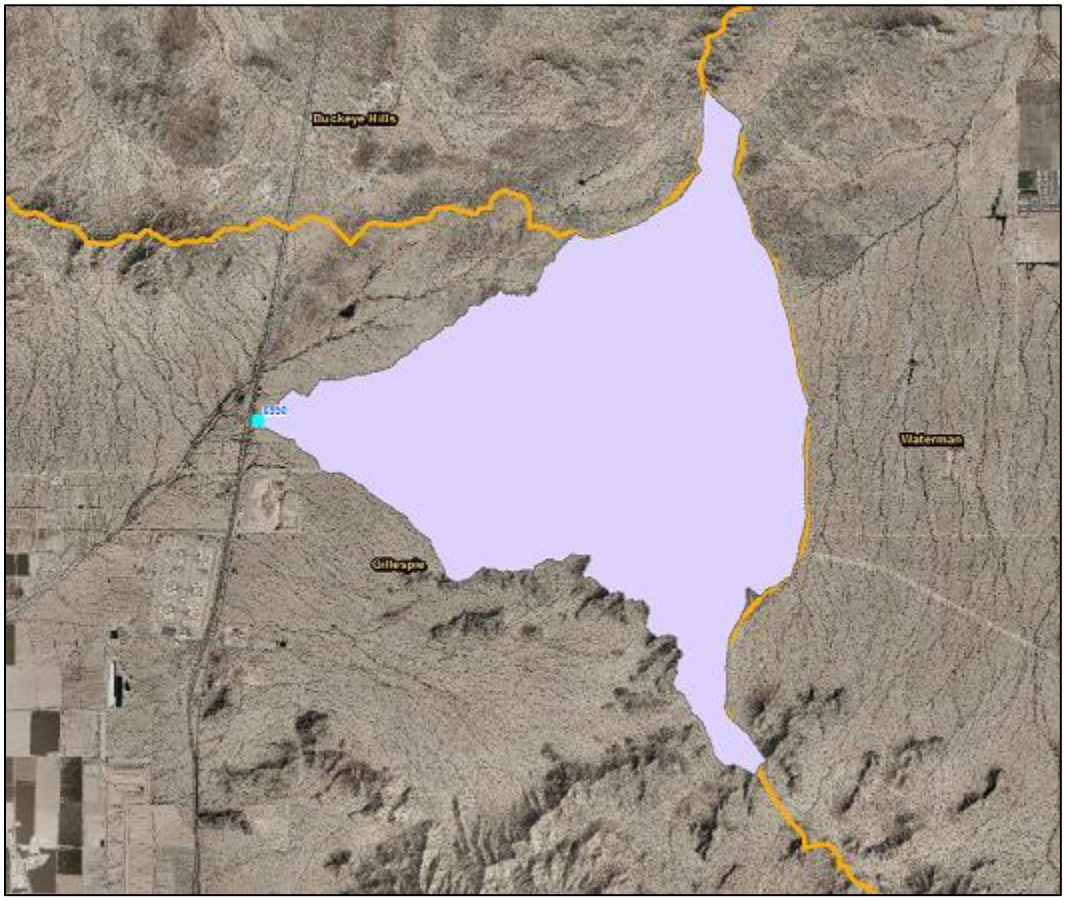
Rainbow Wash, ID #6953

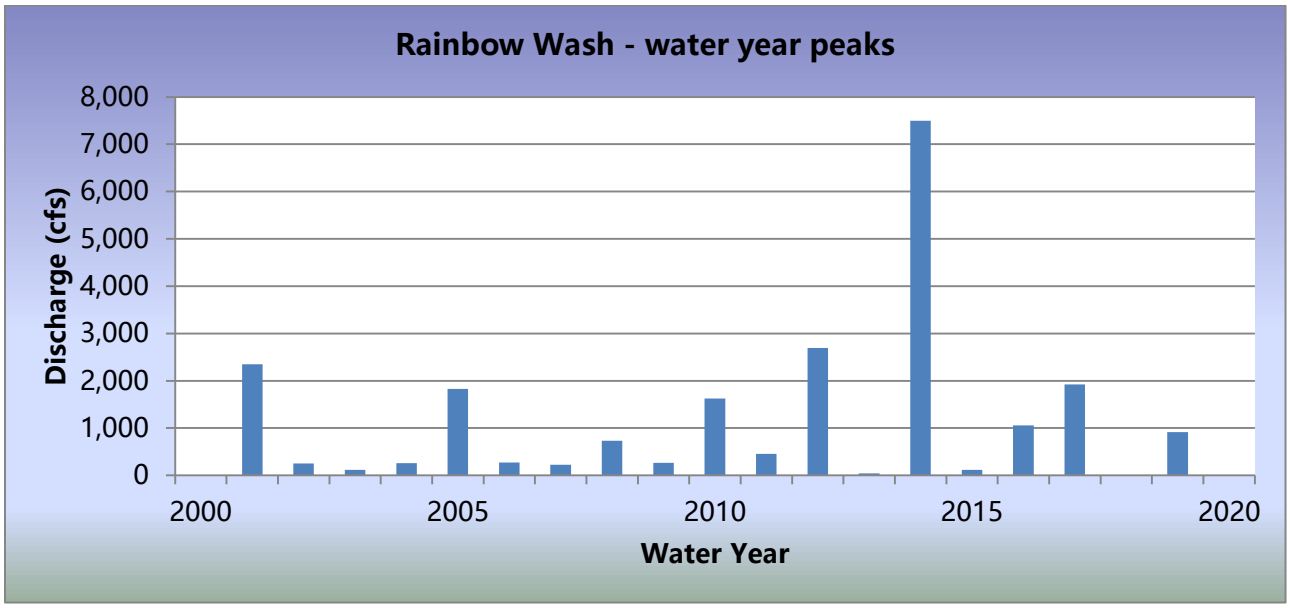


Site Data

LOCATION	Located on SR85 about 10 miles south of Buckeye
DRAINAGE AREA	17.6 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Gillespie
SECTION/TOWNSHIP/RANGE	S23 T2S R4W
LATITUDE	N 33° 14' 08.0" | +33.23556
LONGITUDE	W 112° 38' 21.0" | -112.63917
STREAMGAGE INSTALLATION DATE	11/06/2000 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	11/06/2000 - Current
LENGTH OF AVAILABLE POR DATA	18.90 Years | 6,903 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.07 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	900.06 feet NAVD88
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	7,500 cfs | 8.20 feet | 09/08/2014

Watershed Map

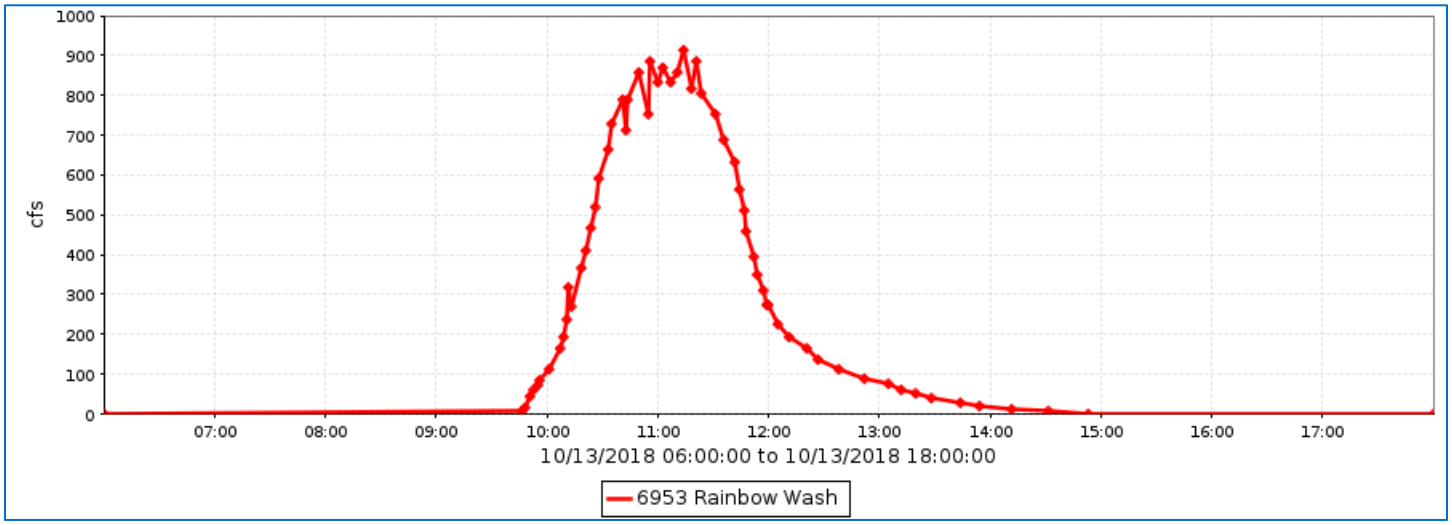




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.57	242
10/07/2018	1.84	337
10/13/2018	2.97	913
10/14/2018	1.72	293
09/25/2019	1.32	163
09/26/2019	1.77	311
09/26/2019	1.22	136

Hydrograph of peak WY 2019 flow event, 10/13/2018



Flood Flow Frequency

Flood Flow Frequency N=19, HEC-WRC computation (based on 19 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
536	**1,690**	**3,050**	**4,940**	**8,420**	**12,000**

NOTE: These results are based on very limited data.

Rainbow Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	16											
3												
4												
5												
6												
7	25											
8												
9												
10												
11												
12												
13	61											
14	13											
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												7
26												21
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	115	0	0	0	0	0	0	0	0	0	0	28
MEAN	4	0	0	0	0	0	0	0	0	0	0	1
MAX	913	0	0	0	0	0	0	0	0	0	0	311
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	228	0	0	0	0	0	0	0	0	0	0	55

WTR YR 2019 TOTAL 143 MEAN 0 MAX 913 MIN 0 AC_FT 283

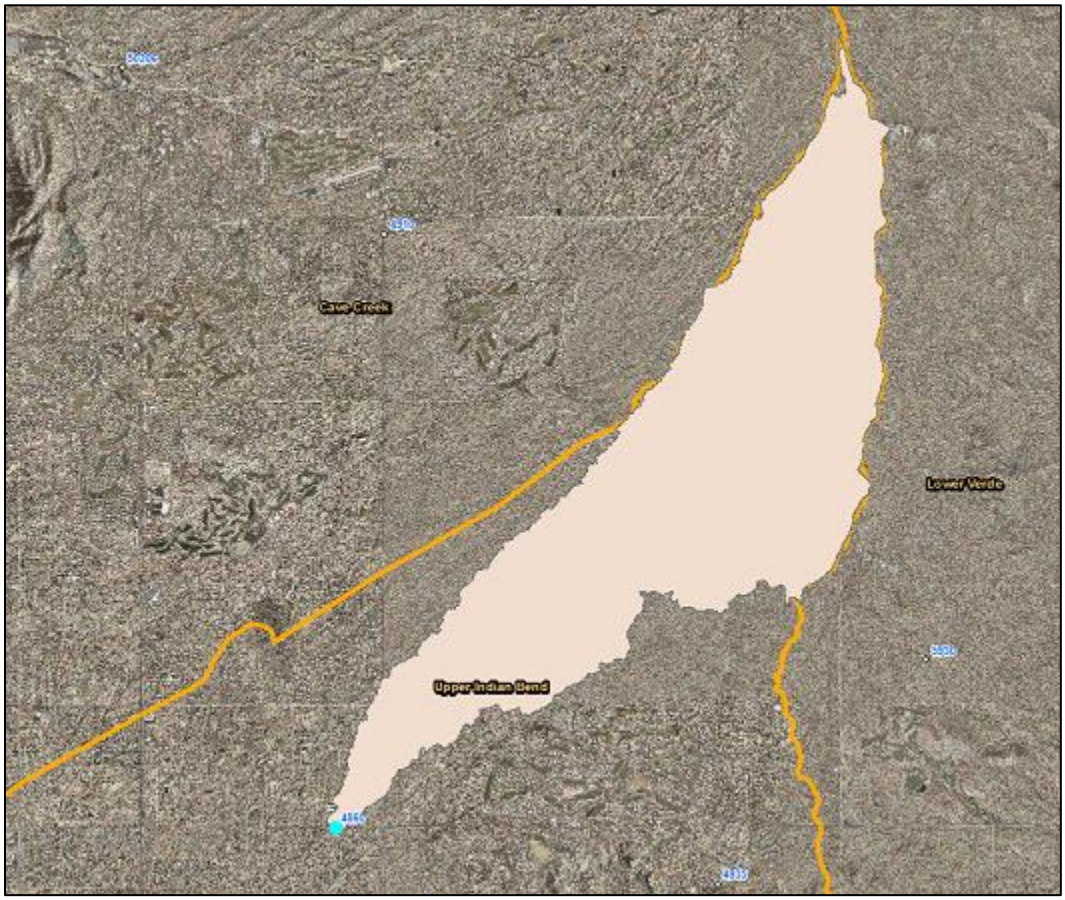
Rawhide Wash, ID #4863

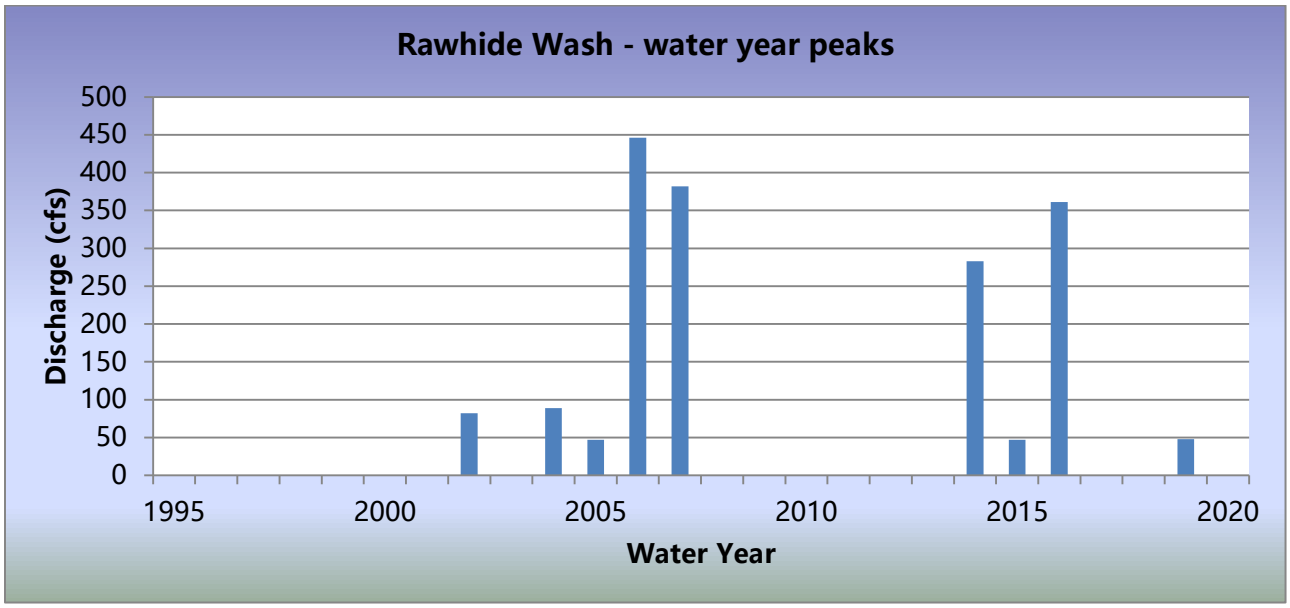


Site Data

LOCATION	On Dynamite Boulevard about 1/4 mile west of Pima Road
DRAINAGE AREA	9.2 mi^2
STREAM TYPE	Natural stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S36 T5N R4E
LATITUDE	N 33° 44' 28.1" | +33.74115
LONGITUDE	W 111° 53' 53.3" | -111.89814
STREAMGAGE INSTALLATION DATE	07/27/1999 - WY 1999
AVAILABLE PERIOD OF RECORD (POR)	07/27/1999 - Current
LENGTH OF AVAILABLE POR DATA	20.18 Years | 7,371 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.52 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,220.14 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	446 cfs | 2.07 feet | 09/09/2006

Watershed Map

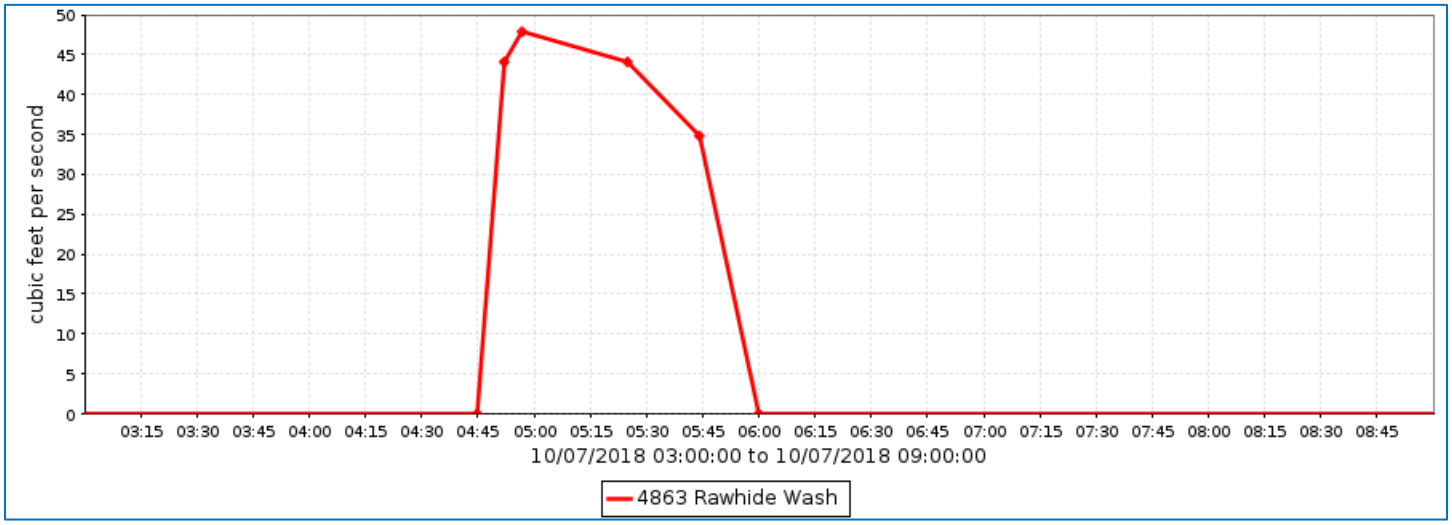




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/07/2018	0.79	48

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Rawhide Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	48	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	4	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 2 MEAN 0 MAX 48 MIN 0 AC_FT 4

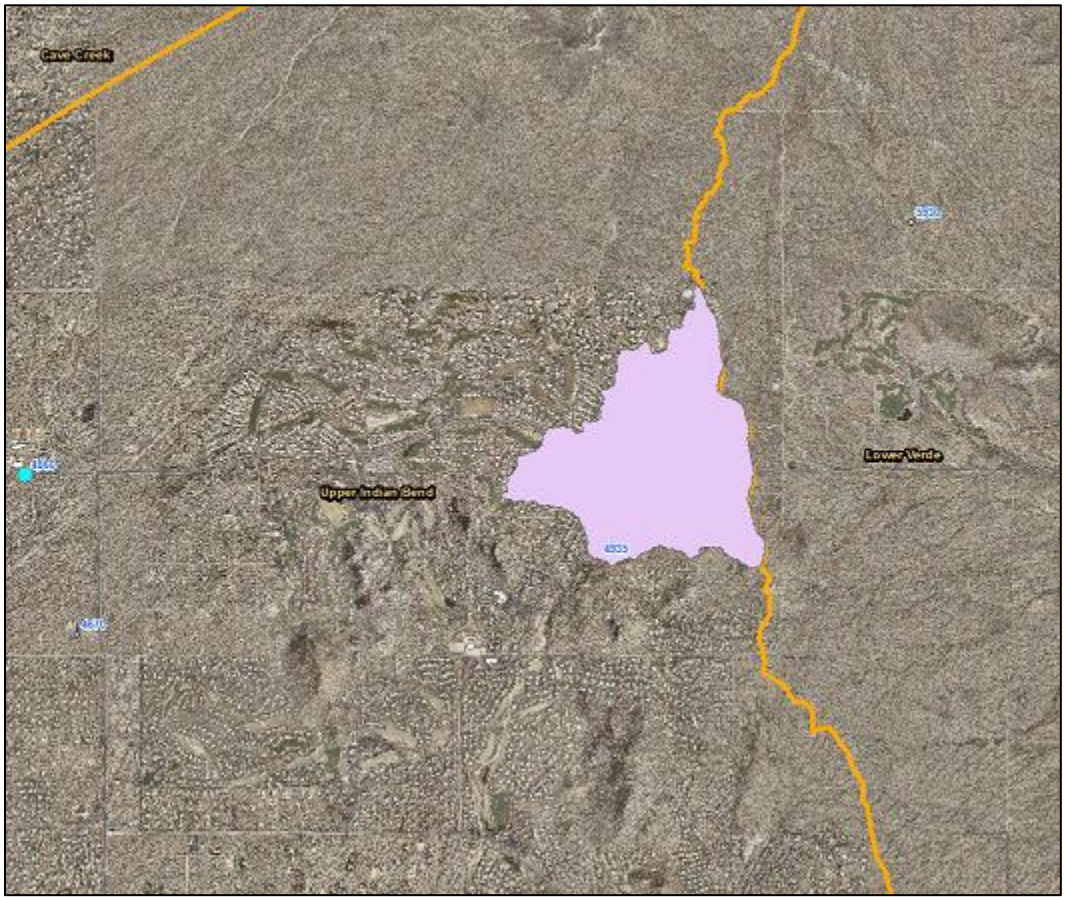
Reata Pass Dam, ID #4938

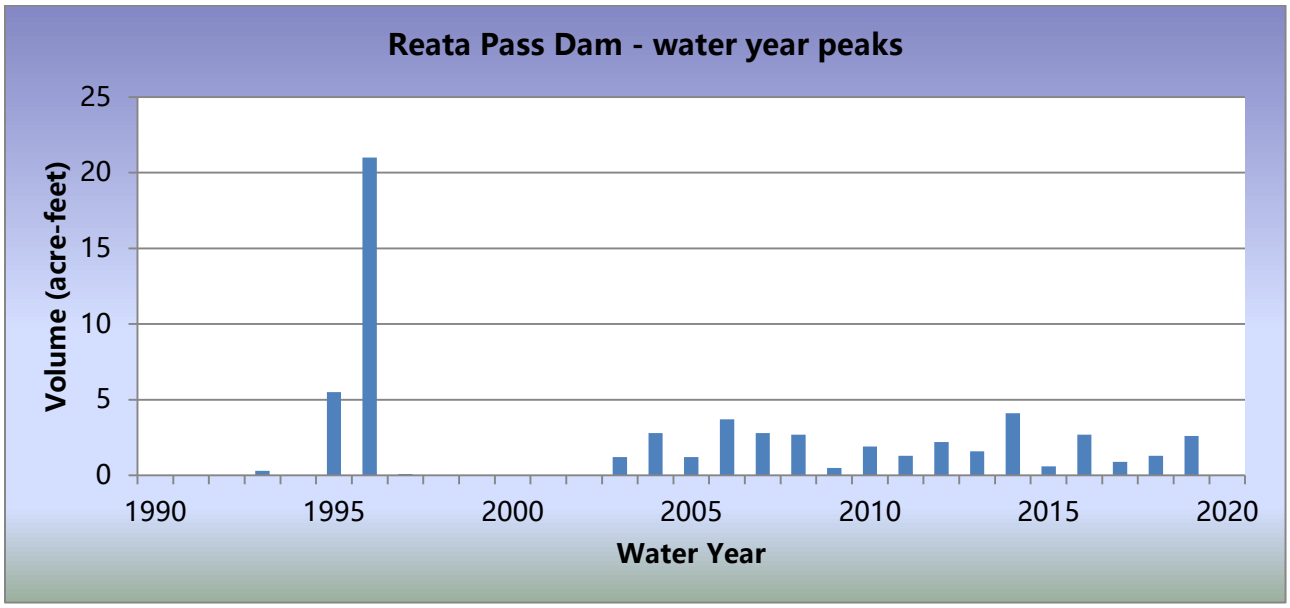


Site Data

LOCATION	Located south of Dynamite Boulevard and east of Alma School Parkway
DRAINAGE AREA	1.0 mi^2
JURISDICTION	Scottsdale, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S33 T5N R5E
LATITUDE	N 33° 44' 04.1" | +33.73446
LONGITUDE	W 111° 50' 37.0" | -111.84362
STREAMGAGE INSTALLATION DATE	10/02/2001 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	10/02/2001 - Current
LENGTH OF AVAILABLE POR DATA	18.00 Years | 6,573 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	2,590.15 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	16.85 feet Gage Height
TOP OF DAM ELEVATION	19.45 feet Gage Height

Watershed Map

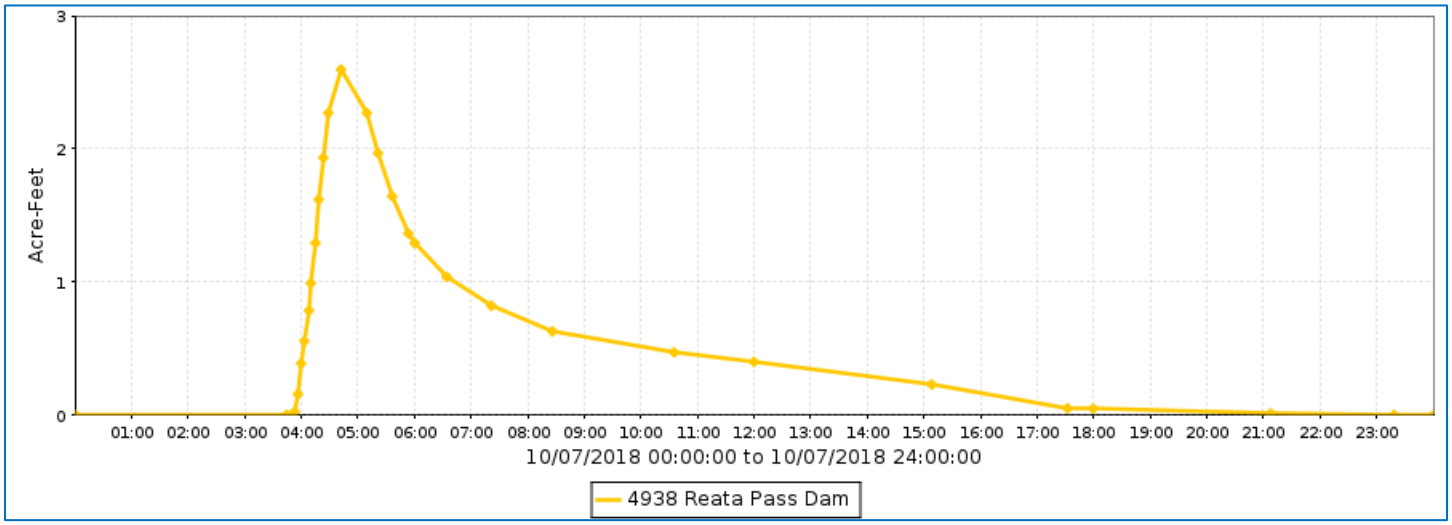




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	3.76	2.2	4.4
10/02/2018	2.89	1.2	2.4
10/07/2018	4.11	2.6	5.3
10/13/2018	1.86	0.5	1.0
10/23/2018	3.21	1.6	3.2
11/30/2018	1.27	0.1	0.2
02/22/2019	1.79	0.4	0.8
03/13/2019	1.22	0.1	0.2
09/23/2019	2.76	1.1	2.2
09/23/2019	1.84	0.5	1.0

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



Reata Pass Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	20											
3	5											
4												
5												
6												
7	18											
8												
9												
10												
11												
12												
13	5					2						
14	1											
15												
16												
17												
18												
19												
20												
21					4							
22					6							
23	20				3							6
24	5											
25												
26												
27												
28												
29					---							
30		1			---							
31		---			---		---		---			---
TOTAL	73	1	0	0	13	2	0	0	0	0	0	6
MEAN	2	0	0	0	0	0	0	0	0	0	0	0
MAX	114	3	0	1	13	2	0	0	0	2	0	62
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	146	2	0	1	26	4	0	0	0	0	0	11

WTR YR 2019 TOTAL 96 MEAN 0 MAX 114 MIN 0 AC_FT 191

Reata Pass Dam, volume data

Volume, in Acre-Feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	3	0	0	0	0	0	0	0	0	0	0	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 3 MIN 0

Reata Pass Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	1.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	1.0	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.5	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.2
7	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1
13	1.0	0.1	0.1	0.1	0.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.5	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	1.0	0.1	0.1	0.1	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.7
24	1.2	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.2	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.2	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.8	0.1	0.1	---	0.1	0.1	0.1	0.1	0.2	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.4	0.2	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.2
MAX	4.1	1.3	0.1	0.9	1.8	1.2	0.1	0.1	0.1	1.2	0.1	2.8
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.19 MAX 4.11 MIN 0.15

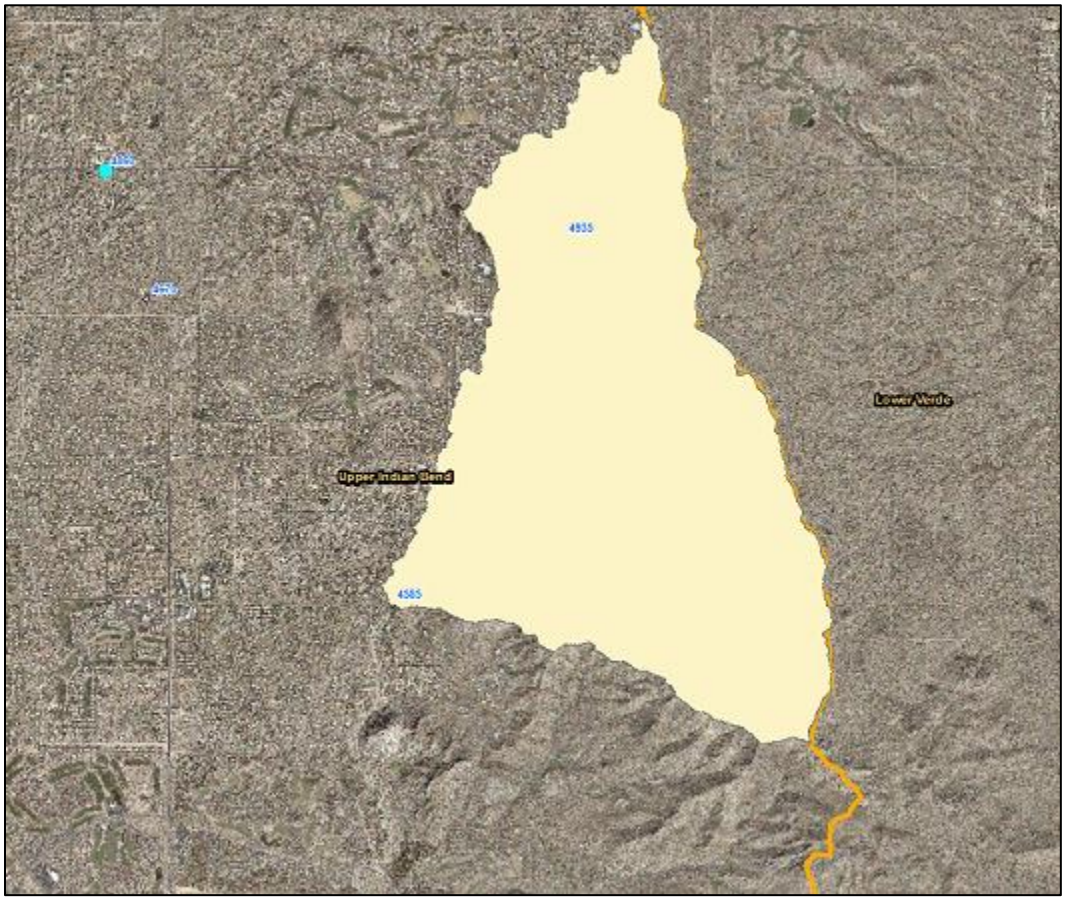
Reata Pass Wash – ID #4588

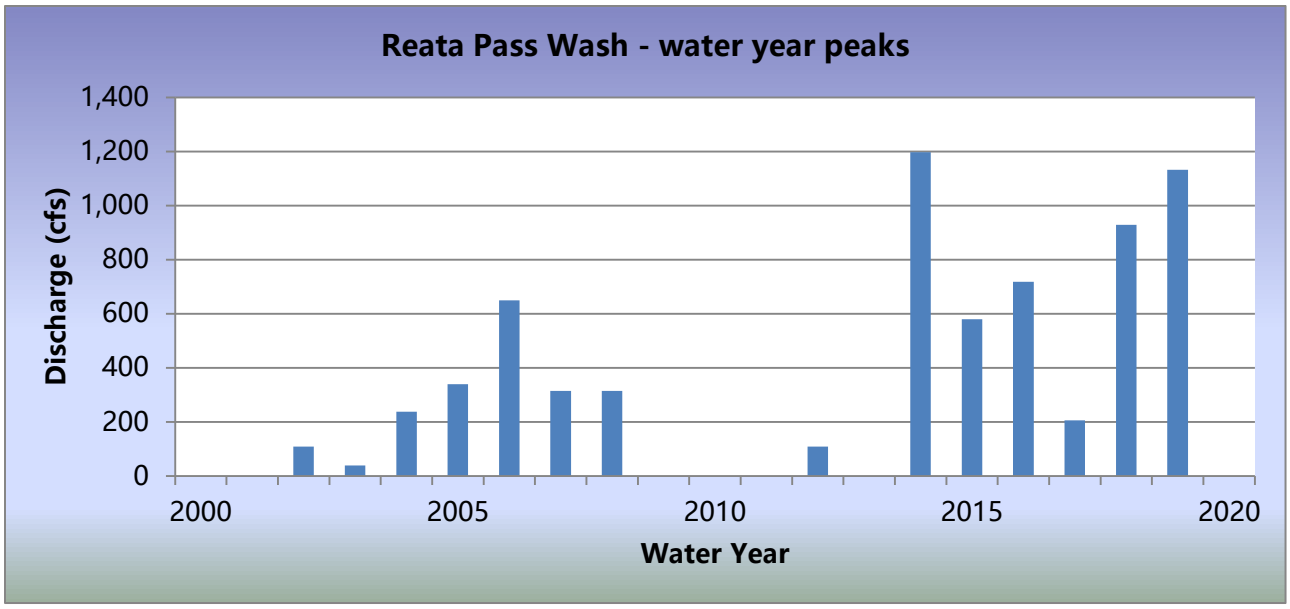


Site Data

LOCATION	Located on Pinnacle Peak Road about 1.6 miles east of Pima Road
DRAINAGE AREA	7.9 mi^2
STREAM TYPE	Natural stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S17 T4N R5E
LATITUDE	N 33° 41' 52.9" | +33.69804
LONGITUDE	W 111° 51' 50.6" | -111.86408
STREAMGAGE INSTALLATION DATE	05/15/2001 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	05/15/2001 - Current
LENGTH OF AVAILABLE POR DATA	18.38 Years | 6,713 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.30 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	2,172.78 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,197 cfs | 2.08 feet | 09/08/2014
EXTREME OUTSIDE PERIOD OF RECORD	1,780 cfs | 08/29/1996

Watershed Map

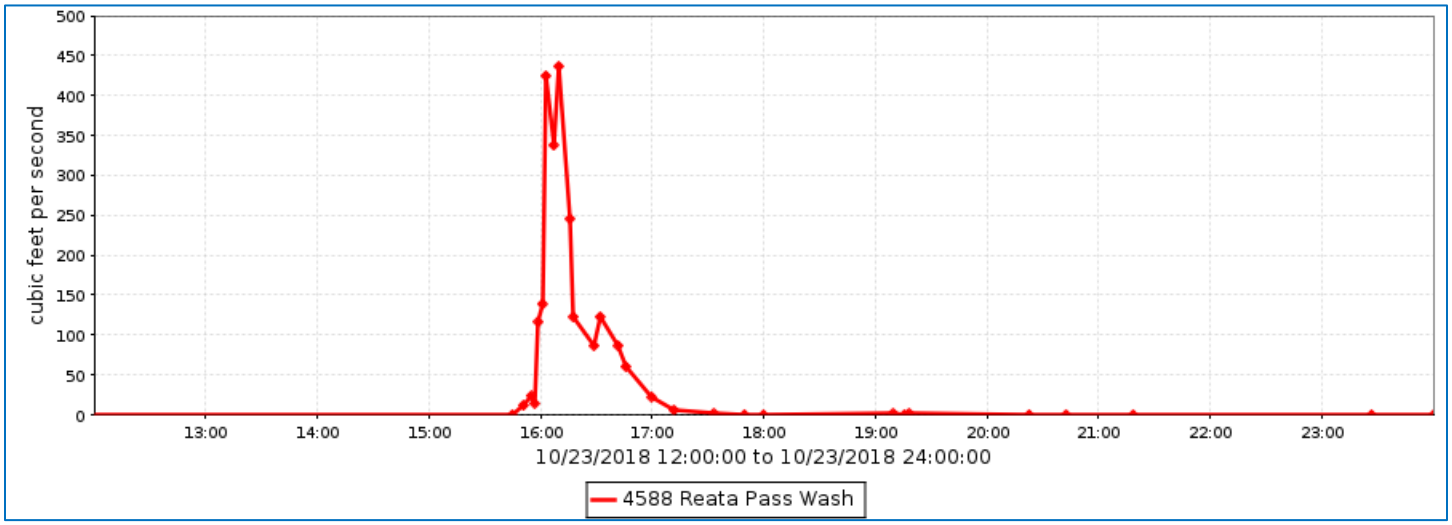




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.22	353
10/02/2018	1.17	329
10/07/2018	1.09	286
10/13/2018	0.72	110
10/23/2018	2.06	1,133
02/03/2019	0.69	100
02/22/2019	1.17	329
09/23/2019	1.25	66

Hydrograph of peak WY 2019 flow event, 10/23/2018



Flood Flow Frequency

Flood Flow Frequency N=19, HEC-WRC computation (based on 19 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
117	**753**	**1,770**	**3,370**	**6,570**	**9,890**

Reata Pass Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	4											
3												
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23	8											2
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	14	0	0	0	0	0	0	0	0	0	0	2
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	437	0	0	0	65	0	0	0	0	0	0	71
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	27	0	0	0	0	0	0	0	0	0	0	3

WTR YR 2019 TOTAL 16 MEAN 0 MAX 437 MIN 0 AC_FT 31

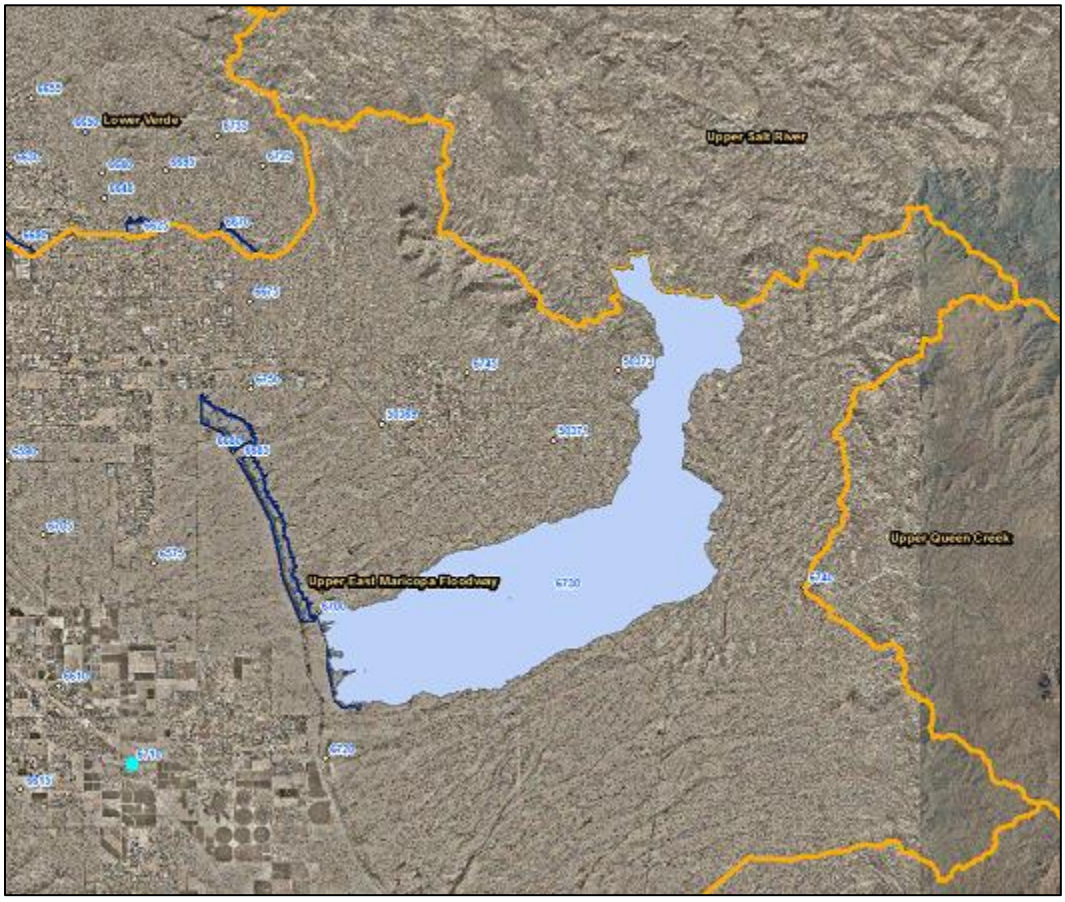
Rittenhouse FRS, ID #6703

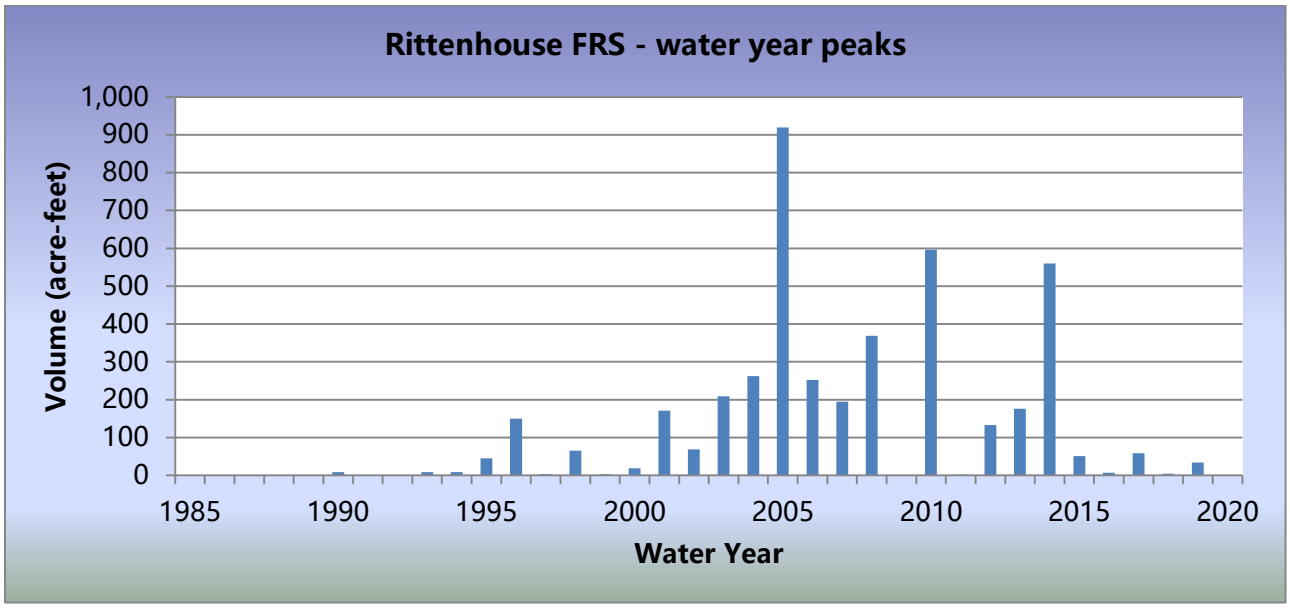


Site Data

LOCATION	East of town of Queen Creek in Pinal County
DRAINAGE AREA	47.1 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Pinal County
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S02 T2S R8E
LATITUDE	N 33° 17' 20.3" | +33.28896
LONGITUDE	W 111° 30' 23.7" | -111.50659
STREAMGAGE INSTALLATION DATE	09/27/1988 - WY 1988
AVAILABLE PERIOD OF RECORD (POR)	09/27/1988 - Current
LENGTH OF AVAILABLE POR DATA	31.01 Years | 11,326 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.25 feet Gage Height
STAFF GAGES	4
ZERO GAGE HEIGHT ELEVATION	1,578.97 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	19.4 feet Gage Height
TOP OF DAM ELEVATION	24.4 feet Gage Height

Watershed Map

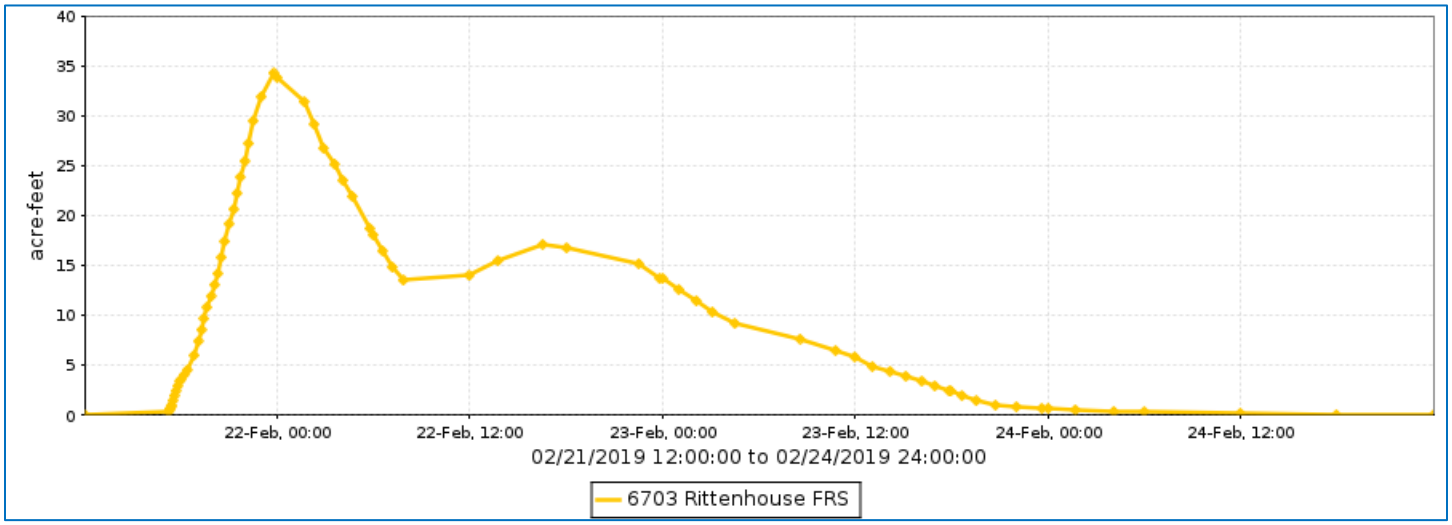




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	1.78	4.1	0.1
10/07/2018	2.12	6.1	0.2
10/13/2018	3.87	25.3	0.6
11/30/2018	0.50	0.4	0.0
12/25/2018	1.02	1.1	0.0
12/31/2018	1.67	3.7	0.1
01/06/2019	0.94	0.9	0.0
02/03/2019	0.87	0.8	0.0
02/21/2019	4.38	34.2	0.9
09/23/2019	1.42	2.7	0.0

Hydrograph of peak WY 2019 impoundment event, 02/21/2019



Rittenhouse FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				2					---			
2	4								---			
3					1			1				
4								2				
5								2				
6				1				1	---			
7	5											
8												
9												
10												
11												
12												
13	17											
14												
15									---			
16									---			
17								---				
18								---				
19												
20												
21					10							
22					43							
23					20			---				2
24					2			---				
25												
26			2					---				
27												
28												
29					---							
30		1			---							
31		---	2		---		---	---	---			---
TOTAL	26	1	4	3	77	0	0	7	0	0	0	2
MEAN	1	0	0	0	3	0	0	0	0	0	0	0
MAX	53	3	15	13	60	0	0	3	0	0	0	11
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	52	1	7	6	152	0	0	13	0	0	0	4

WTR YR 2019 TOTAL 119 MEAN 0 MAX 60 MIN 0 AC_FT 236

Rittenhouse FRS, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---			
2	1								---			
3												
4												
5												
6									---			
7	1											
8												
9												
10												
11												
12												
13	7											
14												
15									---			
16									---			
17								---				
18								---				
19												
20												
21					5							
22					18							
23					6			---				
24								---				
25												
26								---				
27												
28												
29					---							
30					---							
31		---			---		---	---	---			---
MEAN	0	0	0	0	1	0	0	0	0	0	0	0
MAX	25	0	4	3	34	0	0	0	0	0	0	3
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 34 MIN 0

Rittenhouse FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2
2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.0	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.4	0.2	0.2	0.0	0.3	---	0.2	0.2	0.2
7	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	1.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	3.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.3	0.2	0.2	0.2	2.0	0.2	0.2	---	0.2	0.2	0.2	0.4
24	0.2	0.2	0.2	0.2	0.4	0.2	0.2	---	0.2	0.2	0.2	0.2
25	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.4	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.3	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.4	0.2	---	0.2	---	---	---	0.2	0.2	---
MEAN	0.3	0.3	0.3	0.3	0.5	0.2	0.2	0.3	0.2	0.2	0.2	0.3
MAX	3.9	0.5	1.7	1.5	4.4	0.2	0.2	0.4	0.2	0.2	0.2	1.4
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.27 MAX 4.38 MIN 0.25

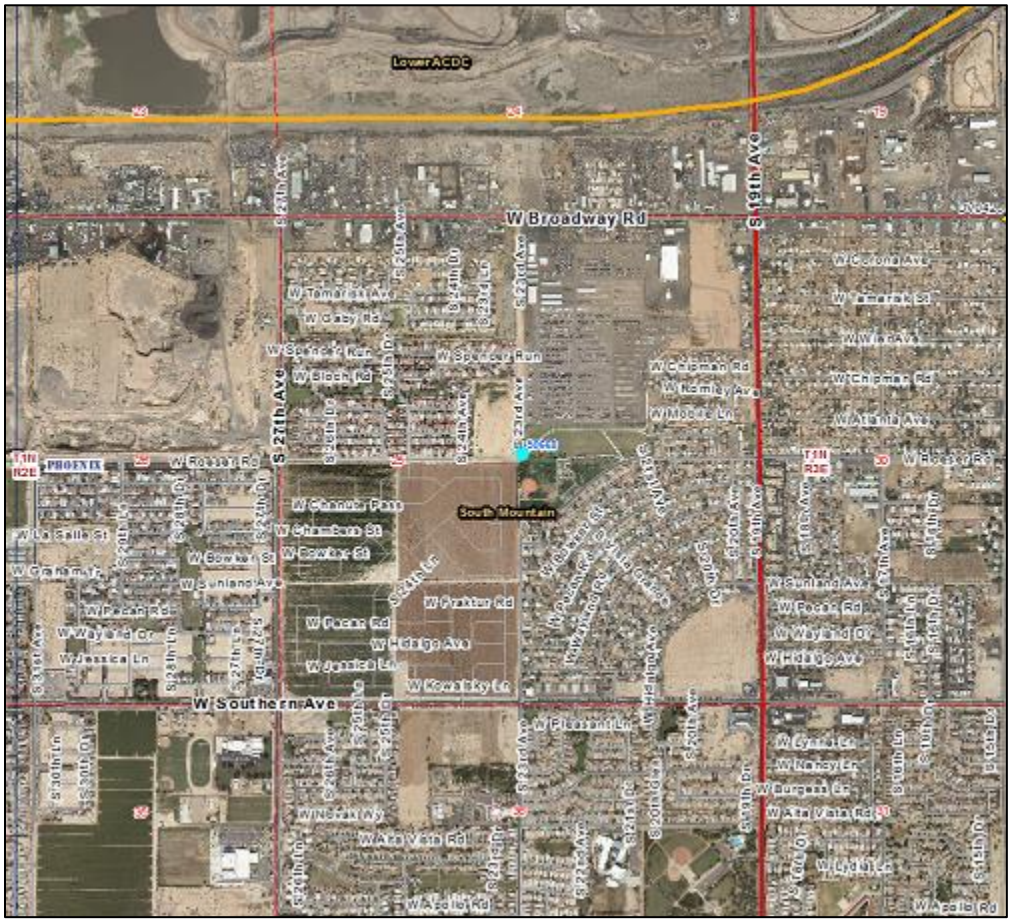
Roeser Road at 23rd Avenue Basin, ID #66807

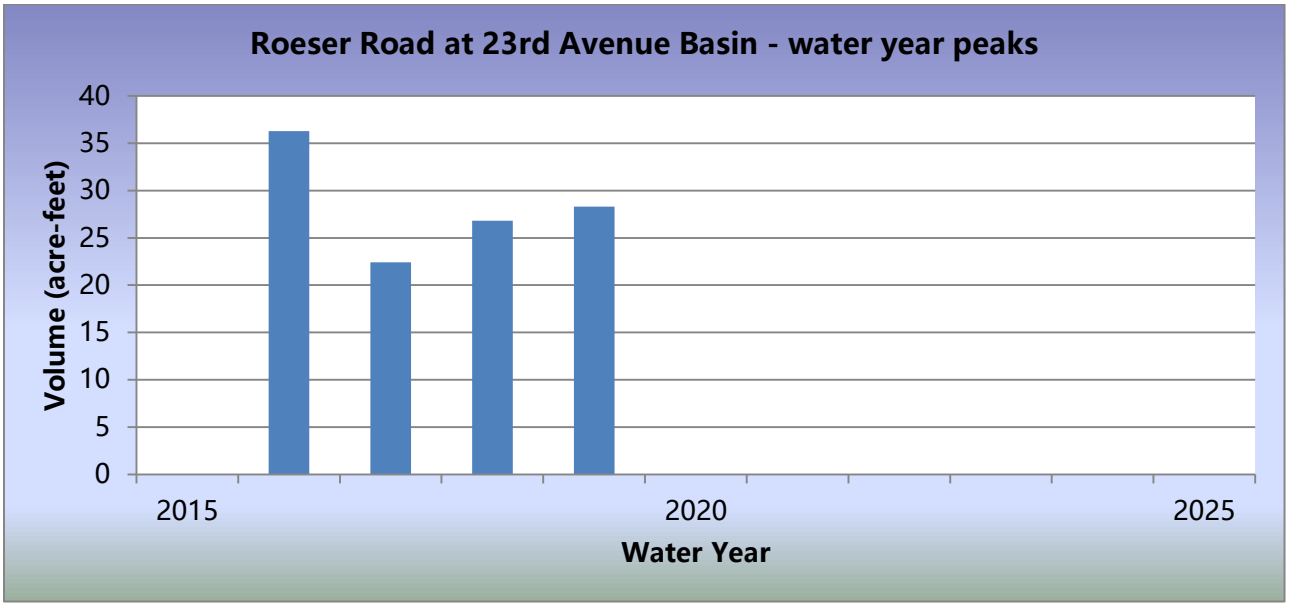


Site Data

LOCATION	Located on the basin at the northeast corner of Roeser Rd and 23rd Avenue
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S25 T1N R2E
LATITUDE	N 33° 23' 58.9" | +33.39968
LONGITUDE	W 112° 09' 02.5" | -112.15070
STREAMGAGE INSTALLATION DATE	10/01/2015 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	10/01/2015 - Current
LENGTH OF AVAILABLE POR DATA	4.00 Years | 1,461 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,045.76 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	10.5 feet Gage Height

Watershed Map

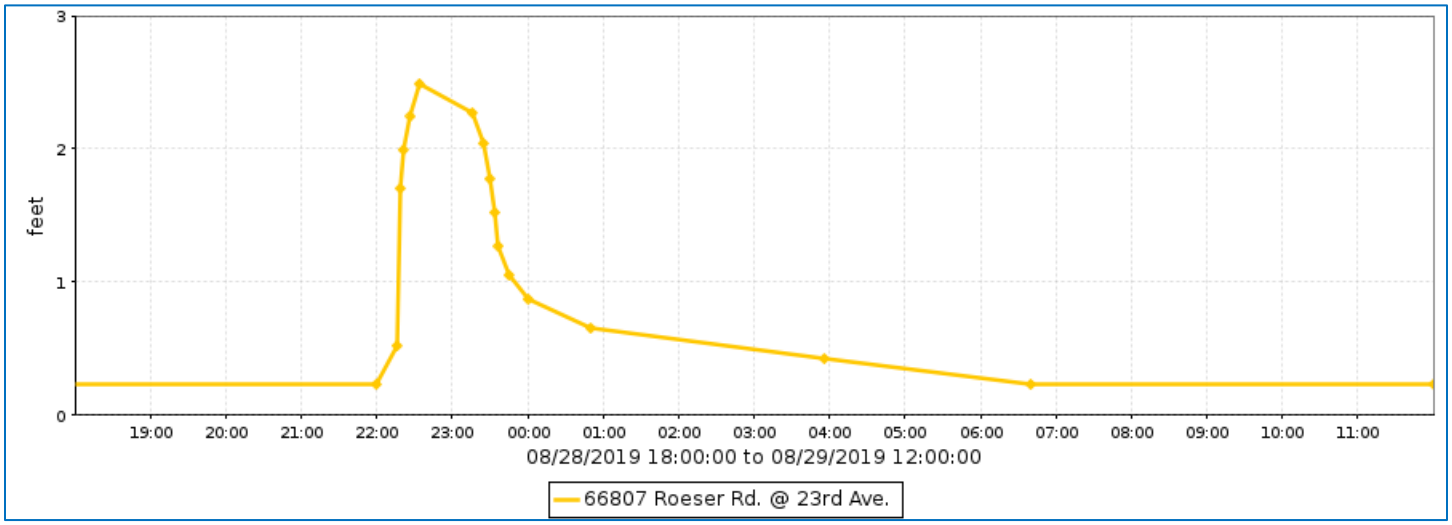




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	1.76	20.0	
10/02/2018	1.61	18.3	
10/07/2018	1.46	16.6	
10/13/2018	2.38	27.0	
10/23/2018	1.14	13.0	
11/30/2018	0.71	8.1	
12/07/2018	0.66	7.5	
12/31/2018	0.51	5.8	
01/06/2019	0.74	8.4	
02/21/2019	1.77	20.1	
03/12/2019	1.67	18.9	
03/12/2019	1.37	15.5	
08/28/2019	2.49	28.3	
09/16/2019	1.15	13.1	
09/24/2019	1.42	16.1	
09/25/2019	1.40	15.9	
09/26/2019	1.00	11.4	

Hydrograph of peak WY 2019 impoundment event, 08/28/2019



Roeser Road at 23rd Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Roeser Road at 23rd Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	5											
3				1							1	
4												
5			1									
6				2								
7	1		1									
8												
9												
10												
11												
12						7						
13	7					1						
14												
15				1								
16												1
17												1
18												
19												
20												
21					4							
22					6							
23	1											1
24												1
25												1
26												3
27												
28											2	
29					---						2	
30		1			---							
31		---	1		---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	27	8	8	8	21	19	0	0	0	0	28	16
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 28 MIN 0

Roeser Road at 23rd Avenue Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2
13	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.3	0.2
30	0.2	0.3	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.3	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	2.4	0.7	0.7	0.7	1.8	1.7	0.2	0.2	0.2	0.2	2.5	1.4
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.21 MAX 2.49 MIN 0.20

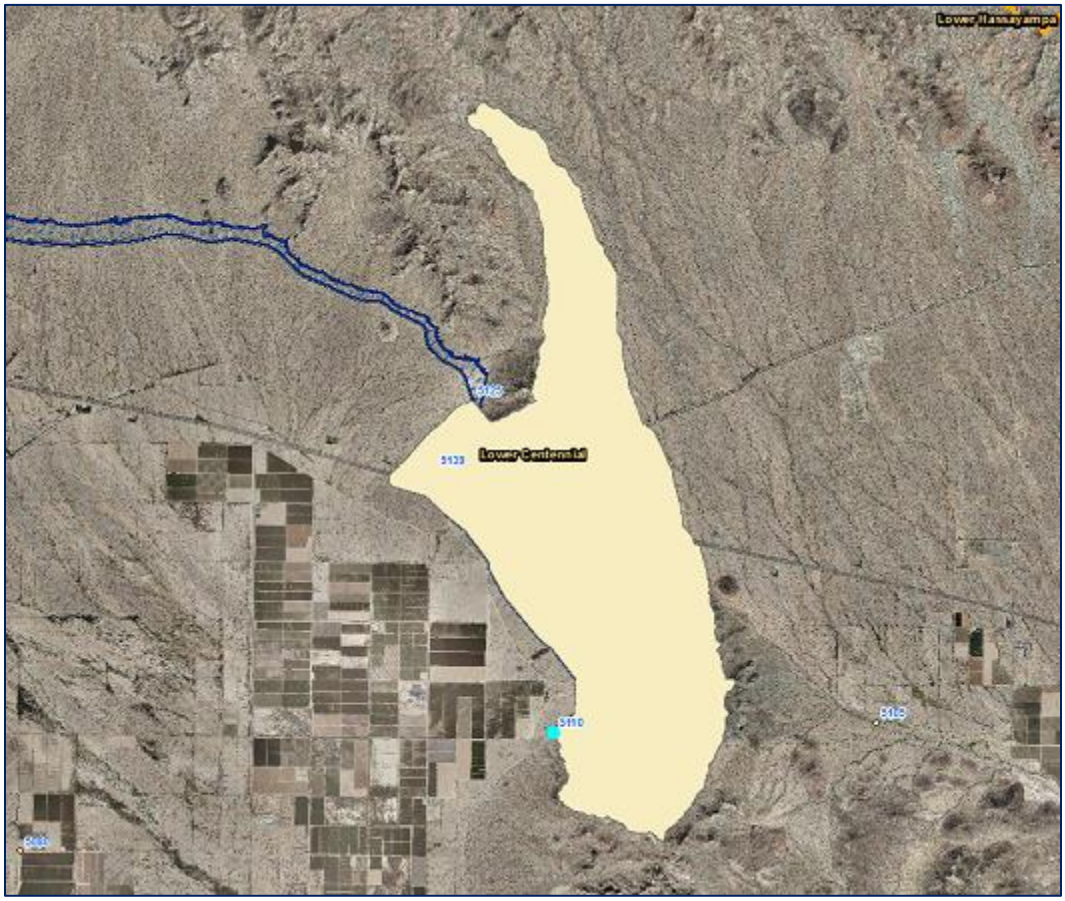
Saddleback FRS, ID #5113

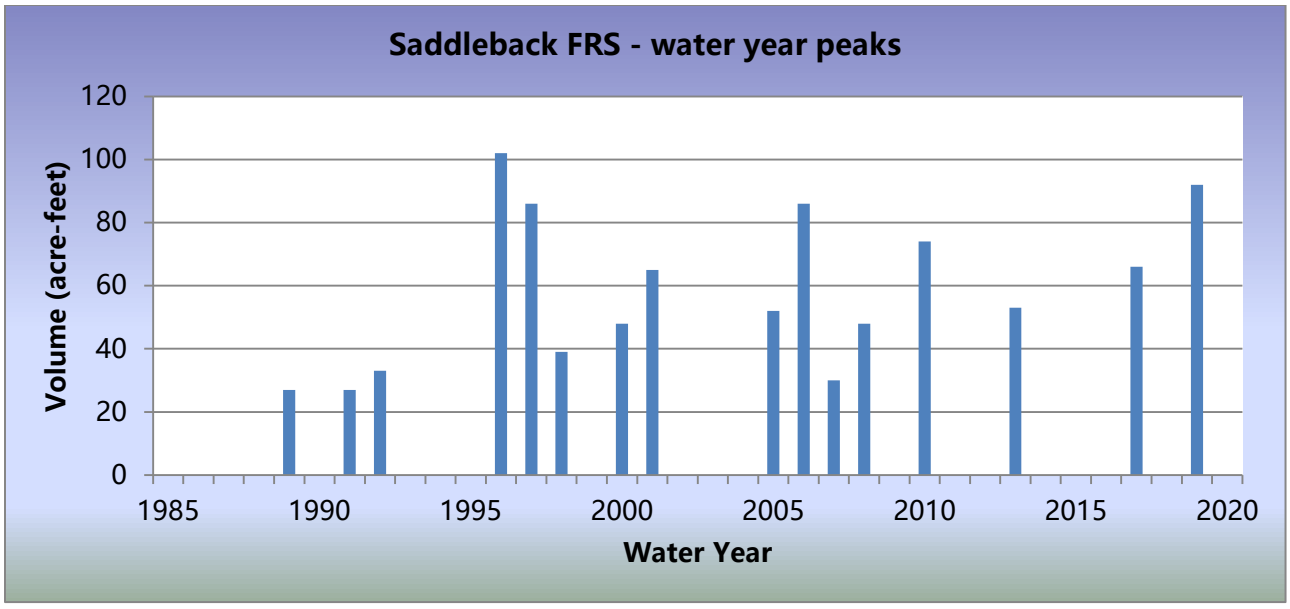


Site Data

LOCATION	Located south of I-10 along Courthouse Road
DRAINAGE AREA	29.6 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S34 T2N R8W
LATITUDE	N 33° 27' 59.8" | +33.46660
LONGITUDE	W 113° 04' 21.3" | -113.07258
STREAMGAGE INSTALLATION DATE	12/16/1988 - WY 1989
AVAILABLE PERIOD OF RECORD (POR)	12/16/1988 - Current
LENGTH OF AVAILABLE POR DATA	30.79 Years | 11,246 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.30 feet Gage Height
STAFF GAGES	3
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,178.93 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	No Spillway
TOP OF DAM ELEVATION	16.1 feet Gage Height

Watershed Map

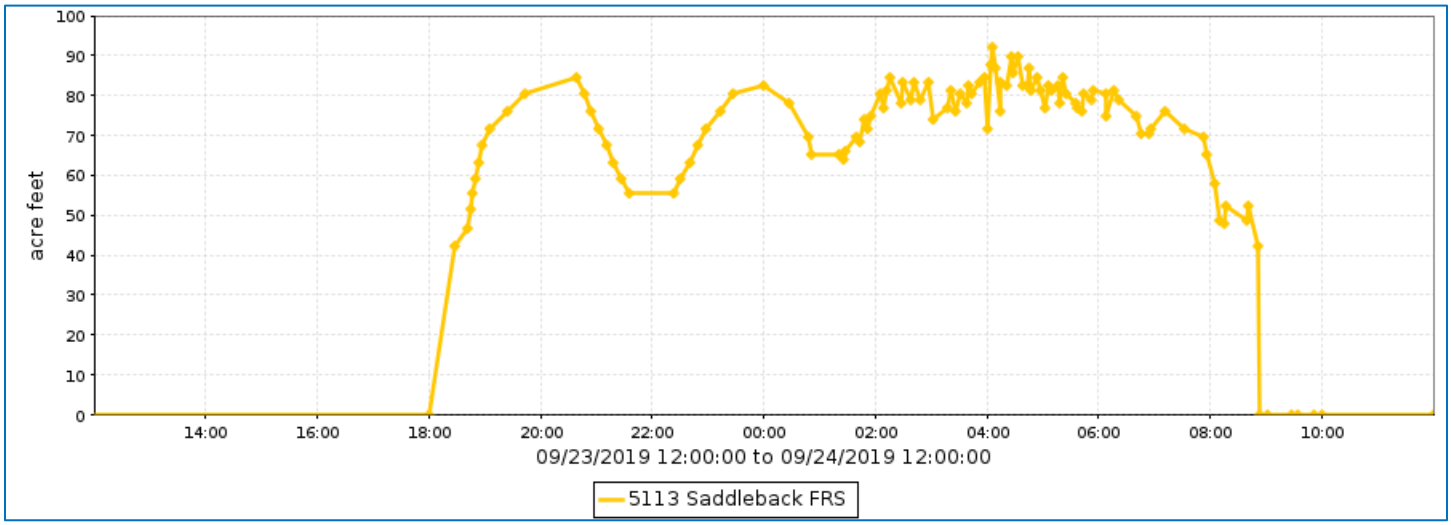




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Total Capacity
09/24/2019	1.62	92.0	1.4

Hydrograph of peak WY 2019 impoundment event, 09/24/2019



Saddleback FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												7
24												16
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	23
MEAN	0	0	0	0	0	0	0	0	0	0	0	1
MAX	0	0	0	0	0	0	0	0	0	0	0	66
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	46

WTR YR 2019 TOTAL 23 MEAN 0 MAX 66 MIN 0 AC_FT 46

Saddleback FRS, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												16
24												28
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	1
MAX	0	0	0	0	0	0	0	0	0	0	0	92
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 92 MIN 0

Saddleback FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.6
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

WTR YR 2019 MEAN 0.30 MAX 1.62 MIN 0.30

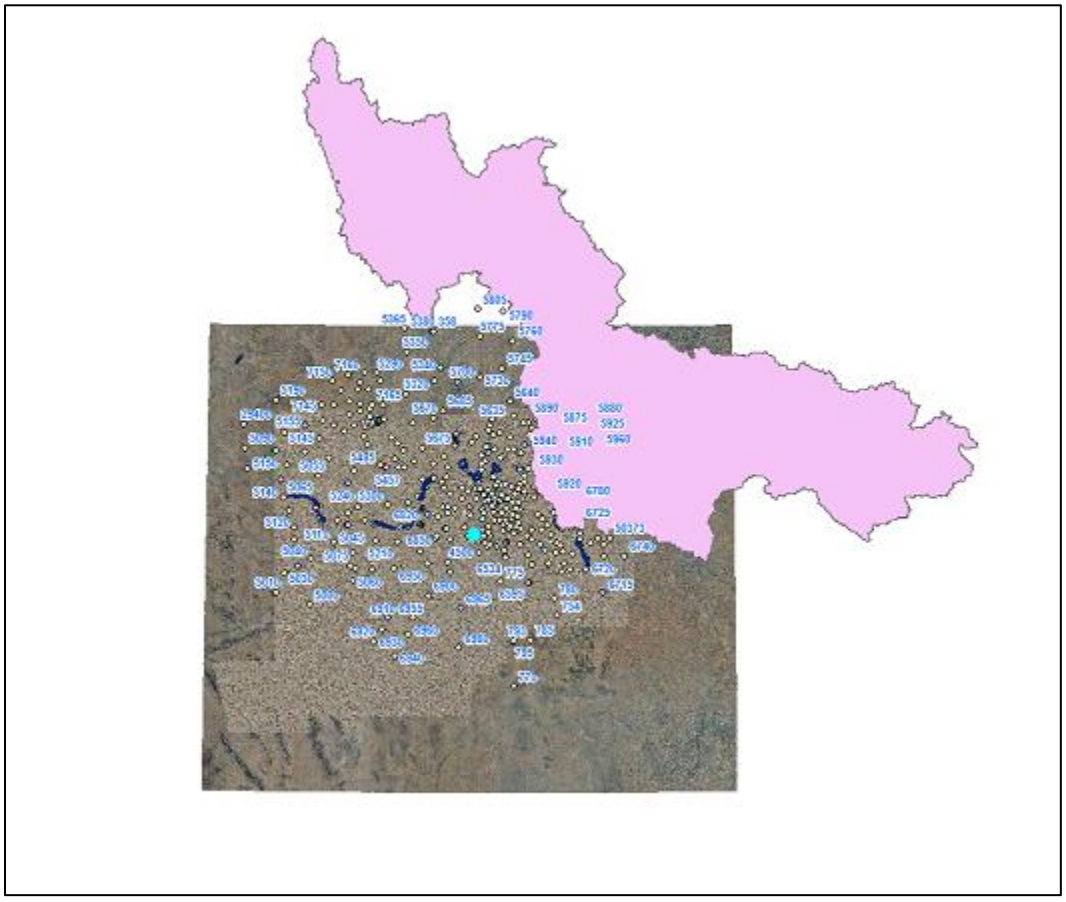
Salt River below Granite Reef Dam, ID #4583

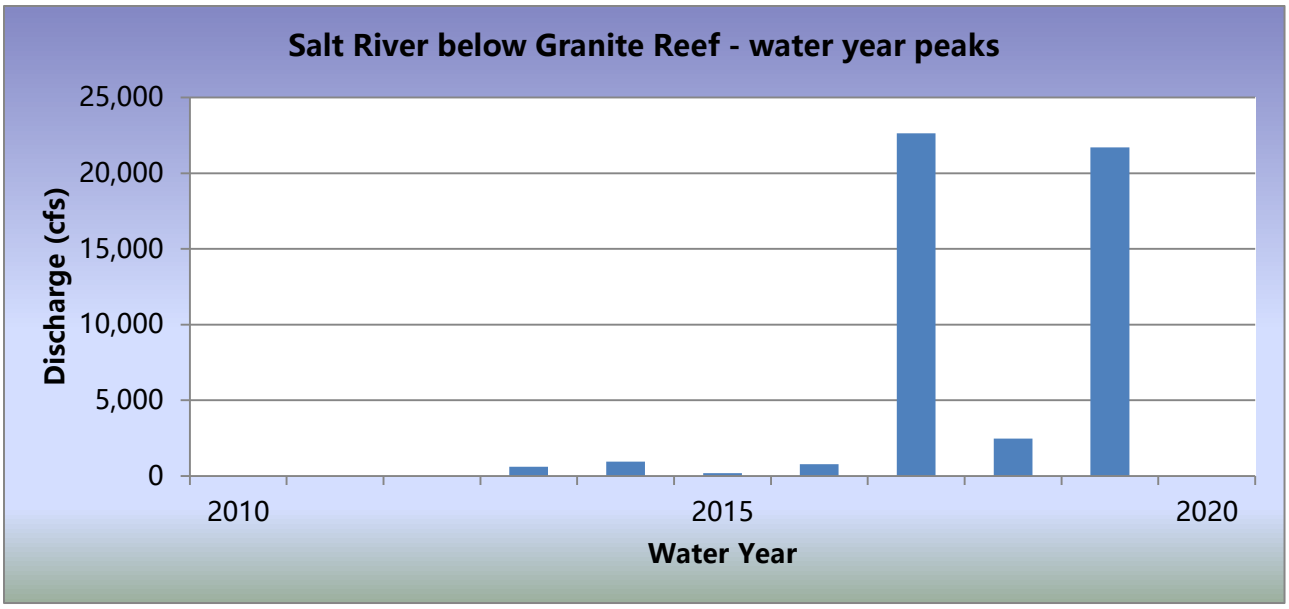


Site Data

LOCATION	Located about 1/2 mile downstream from Granite Reef Diversion structure
DRAINAGE AREA	12,919 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Salt River Pima-Maricopa Indian Community, Arizona
WATERSHED	Lower Verde / Evergreen
SECTION/TOWNSHIP/RANGE	S13 T2N R6E
LATITUDE	N 33° 30' 53.5" | +33.5147
LONGITUDE	W 111° 41' 56.4" | -111.6990
STREAMGAGE INSTALLATION DATE	04/02/2012 - WY 2012
AVAILABLE PERIOD OF RECORD (POR)	04/02/2012 - Current
LENGTH OF AVAILABLE POR DATA	7.50 Years | 2,738 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	4.25 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,276.00 feet NAVD88
POINT OF ZERO FLOW	Undetermined
EXTREME FOR PERIOD OF RECORD	22,641 cfs | 16.32 feet | 03/01/2017

Watershed Map

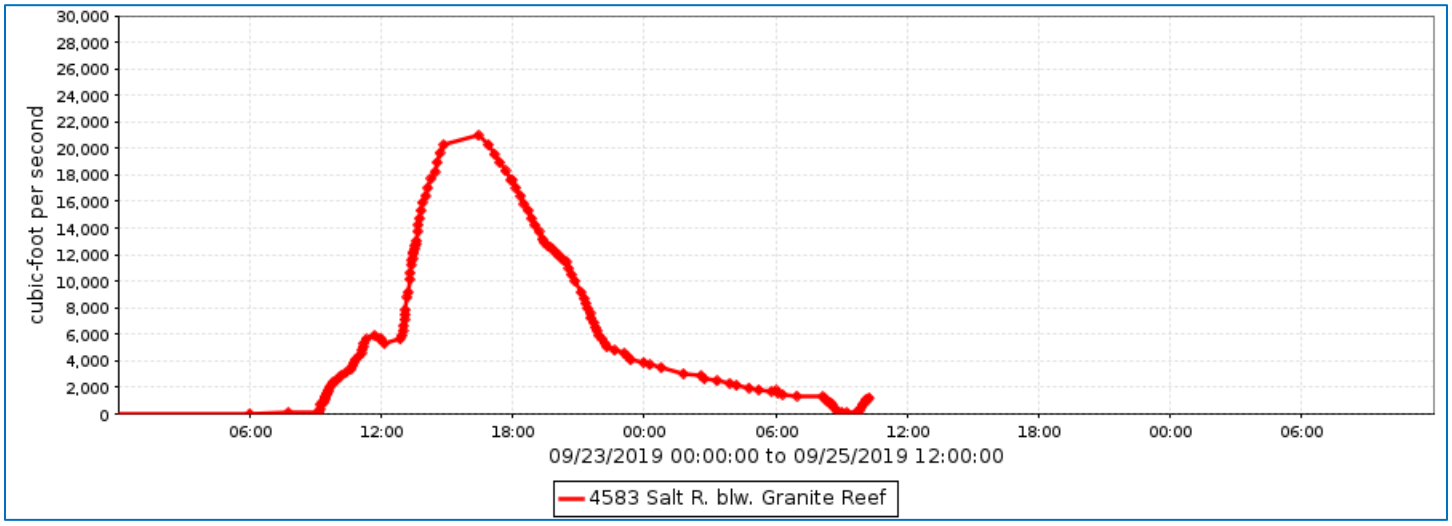




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/03/2018	8.25	2,290
03/01/2019	7.13	1,254
03/03/2019	11.72	8,719
03/09/2019	9.96	4,774
03/13/2019	10.60	6,011
03/15/2019	10.75	6,333
03/19/2019	8.40	2,467
03/21/2019	7.03	1,183
03/23/2019	6.93	1,115
03/24/2019	6.79	1,025
03/26/2019	6.54	878
09/23/2019	16.13	21,696

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Salt River below Granite Reef Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	47	92	89	159	575						23
2	75	49	105	89	166	2201						23
3	711	51	104	89	177	8115				2		24
4		56	98	104	193	7179						25
5		63	100	110	189	6601				3		25
6		53	107	125	174	3123				2		24
7		17	112	126	185	1138						29
8	3	3	112	78	180	1914						27
9	3	3	103	75	180	4007				3		28
10	17	10	113	88	185	3597						29
11	25	30	110	77	206	3064						30
12	28	32	112	64	225	4117		1			10	30
13	38	25	115	75	214	4762					5	29
14	40	29	107	78	214	4714				1	9	28
15	45	33	103	86	234	5914				2	5	28
16	46	30	107	92	239	4455					5	32
17	46	30	117	88	219	3577						31
18	49	34	128	115	219	1673					5	31
19	48	48	128	117	210	2052				3	9	34
20	53	58	128	122	210	1682					5	31
21	53	59	114	131	239	932					5	31
22	44	62	112	128	198	778					19	36
23	50	65	123	149	105	828					21	6813
24	55	67	128	122	107	814					21	1555
25	50	69	134	122	95	476					22	---
26	48	63	137	128	61	710				1	24	
27	48	74	134	131	4	283					22	
28	46	82	125	131	407	4		3			22	
29	48	78	128	137	---						25	
30	49	84	111	143	---						24	
31	38	---	92	152	---		---		---		23	---
TOTAL	1827	1404	3543	3361	5195	79285	0	4	0	18	283	10700
MEAN	59	47	114	108	186	2558	0	0	0	1	9	357
MAX	2290	107	152	214	1254	8719	0	21	0	25	37	20969
MIN	0	0	89	62	0	0	0	0	0	0	0	0
AC_FT	3624	2785	7027	6667	10304	157259	0	9	0	35	561	21224

WTR YR 2019 TOTAL 10562 MEAN 289 MAX 20969 MIN 0 AC_FT 209494

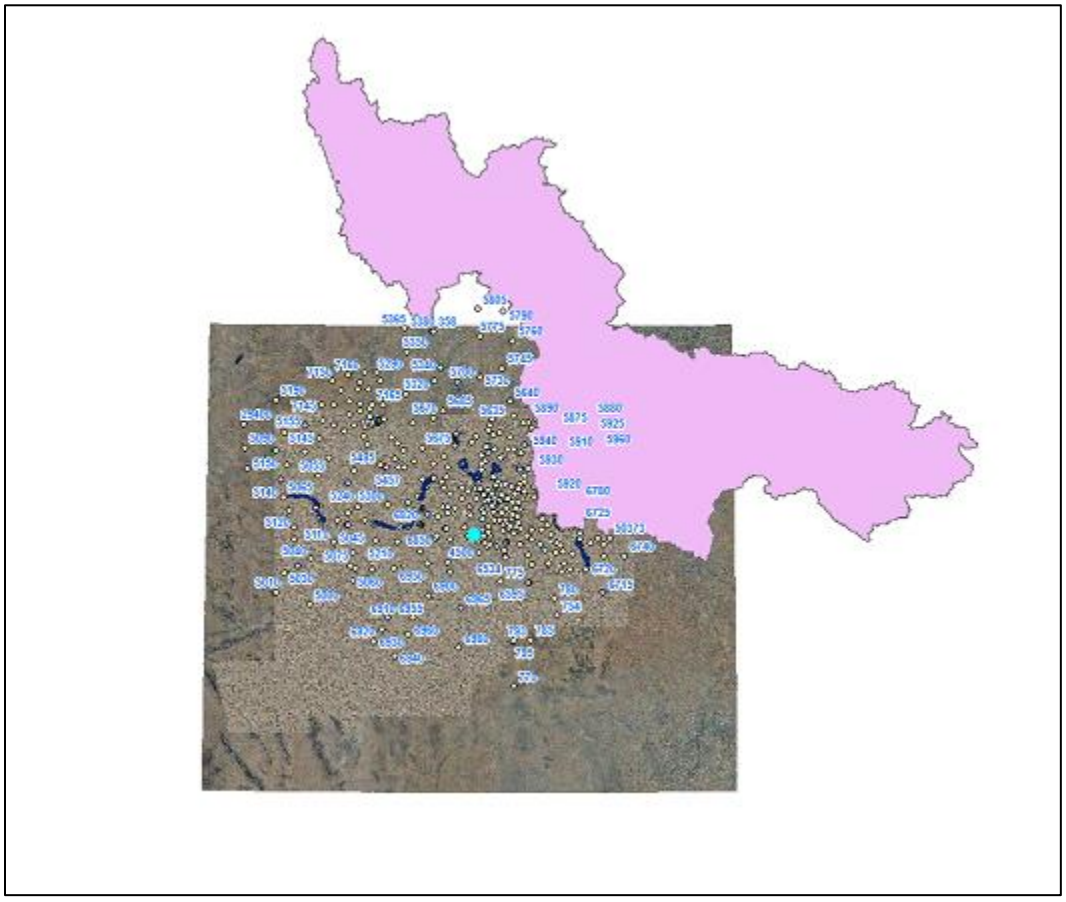
Salt River at Val Vista Drive, ID #4548

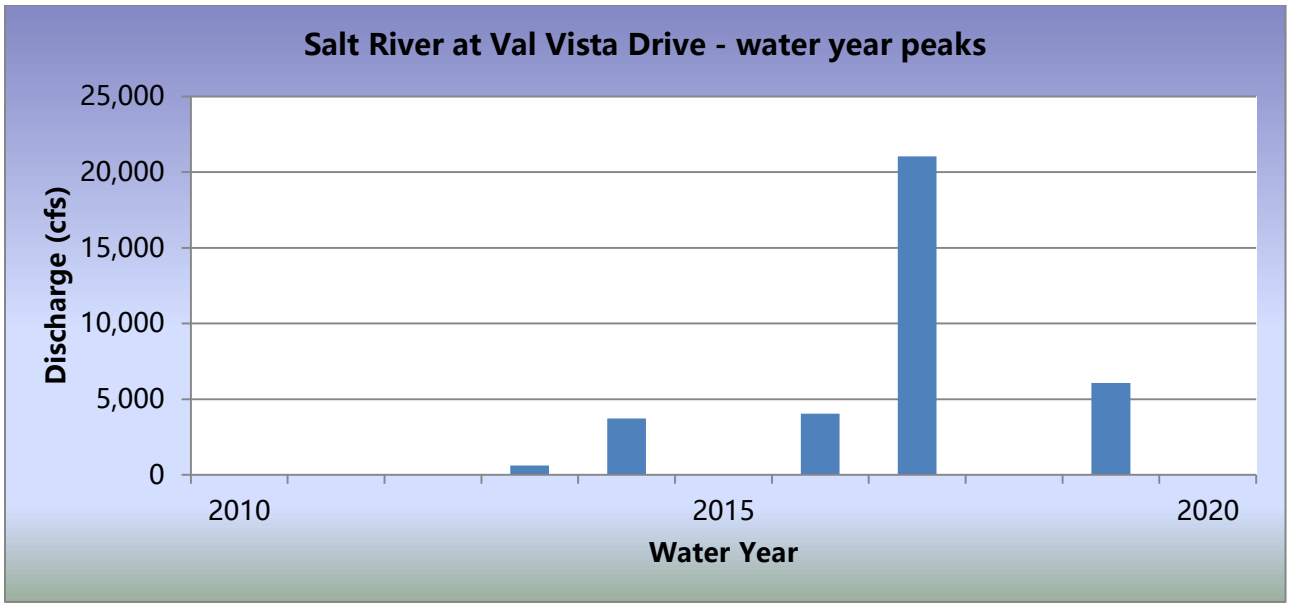


Site Data

LOCATION	Located north of SR202L and west of Val Vista Drive
DRAINAGE AREA	12,951 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Mesa, Arizona
WATERSHED	Lower EMF / Evergreen
SECTION/TOWNSHIP/RANGE	S29 T2N R6E
LATITUDE	N 33° 29' 03.3" | +33.48426
LONGITUDE	W 111° 45' 44.1" | -111.76225
STREAMGAGE INSTALLATION DATE	04/14/2011 - WY 2011
AVAILABLE PERIOD OF RECORD (POR)	04/14/2011 - Current
LENGTH OF AVAILABLE POR DATA	8.47 Years | 3,092 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.40 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,240.00 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	21,048 cfs | 10.76 feet | 03/01/2017

Watershed Map

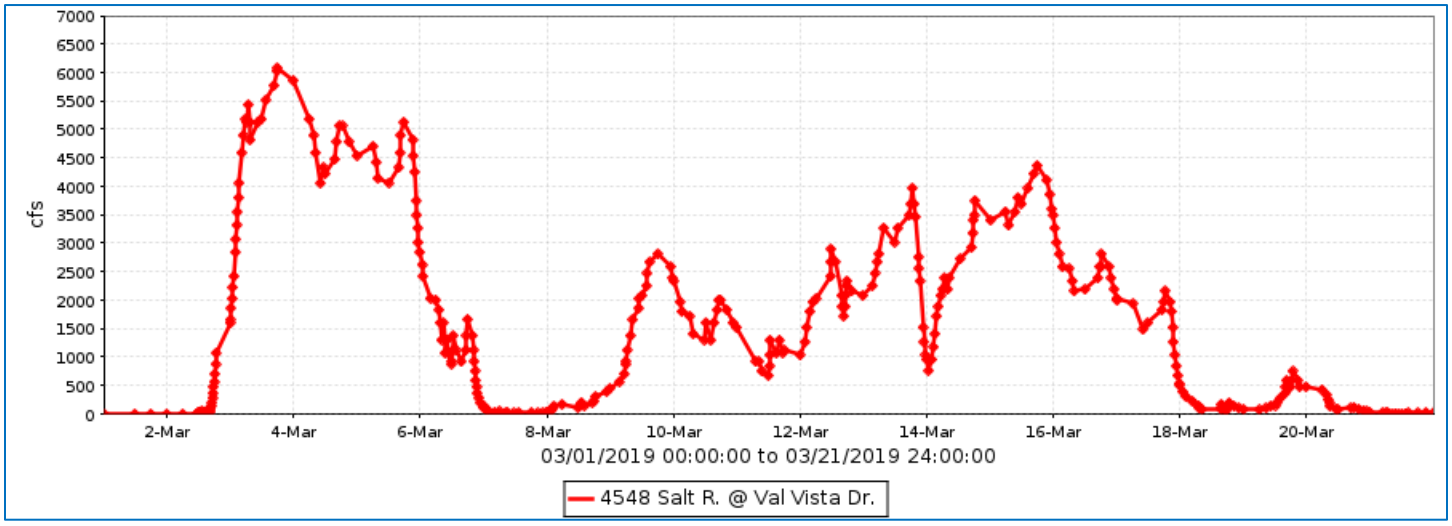




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
03/03/2019	6.23	6,079
03/04/2019	5.78	5,060
03/05/2019	5.81	5,133
03/06/2019	3.97	1,670
03/09/2019	4.69	2,804
03/10/2019	4.19	2,008
03/12/2019	4.74	2,894
03/13/2019	5.29	3,961
03/15/2019	5.48	4,367
03/19/2019	3.47	744
09/23/2019	5.41	5,142

Hydrograph of peak WY 2019 flow event, 03/03/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Salt River at Val Vista Drive, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2						283						
3						5016						
4						4968						
5						4417						
6						1446						
7						30						
8						187						
9						1807						
10						1742						
11						1201						
12						2060						
13						2835						
14						2534						
15						3754						
16						2483						
17						1759						
18						170						
19						271						
20						216						
21						15						
22						11						
23						6						134
24						6						
25						4						
26						3						
27						3						
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	37229	1	0	0	0	0	134
MEAN	0	0	0	0	0	1201	0	0	0	0	0	4
MAX	0	0	0	0	0	6079	0	0	0	0	0	5142
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	73842	1	0	0	0	0	266

WTR YR 2019 TOTAL 37364 MEAN 102 MAX 6079 MIN 0 AC_FT 74109

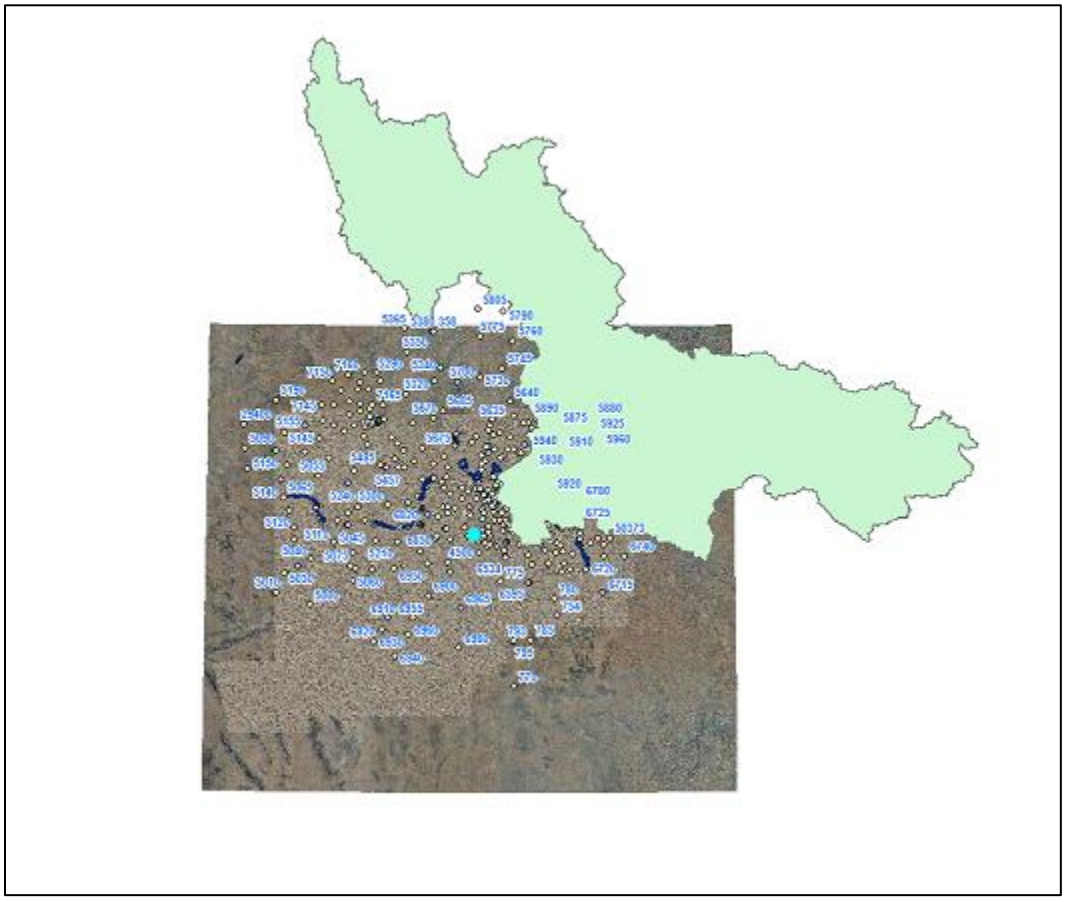
Salt River at Priest Drive, ID #4523

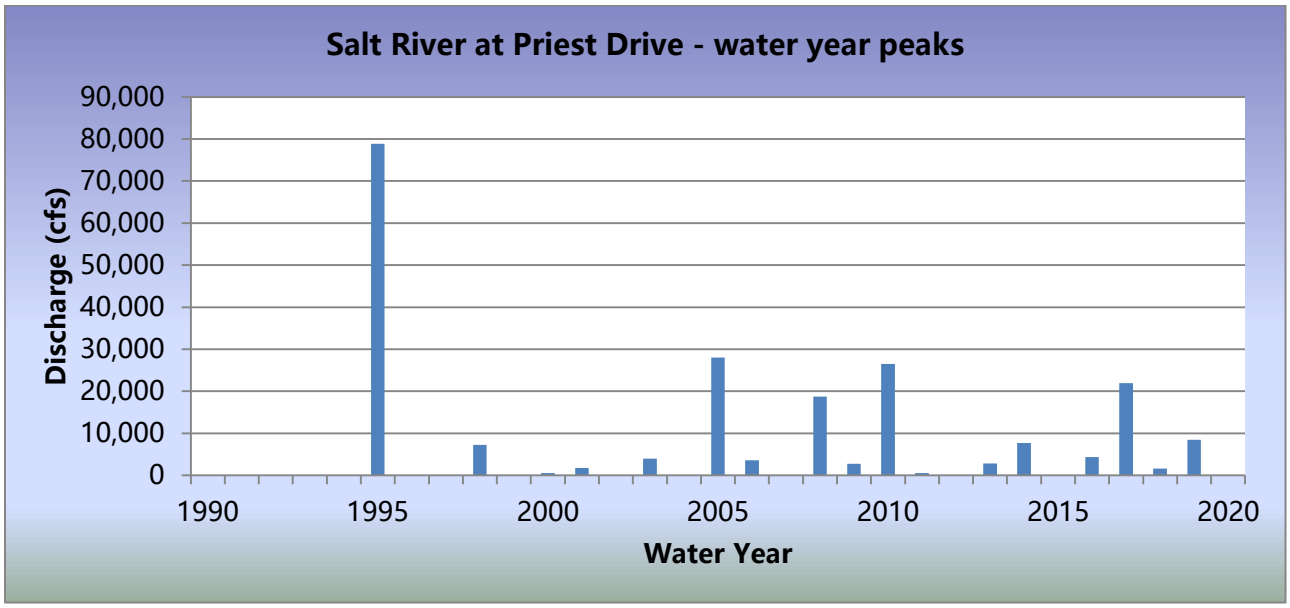


Site Data

LOCATION	Located on the Priest Drive Bridge
DRAINAGE AREA	13,223 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Tempe, Arizona
WATERSHED	Lower ACDC / South Mountain
SECTION/TOWNSHIP/RANGE	S17 T1N R4E
LATITUDE	N 33° 26' 02.4" | +33.43401
LONGITUDE	W 111° 57' 40.7" | -111.96132
STREAMGAGE INSTALLATION DATE	12/07/1993 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	12/07/1993 - Current
LENGTH OF AVAILABLE POR DATA	25.82 Years | 9,429 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.60 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,121.81 feet NAVD88
POINT OF ZERO FLOW	2.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	78,850 cfs | 12.57 feet | 02/16/1995

Watershed Map

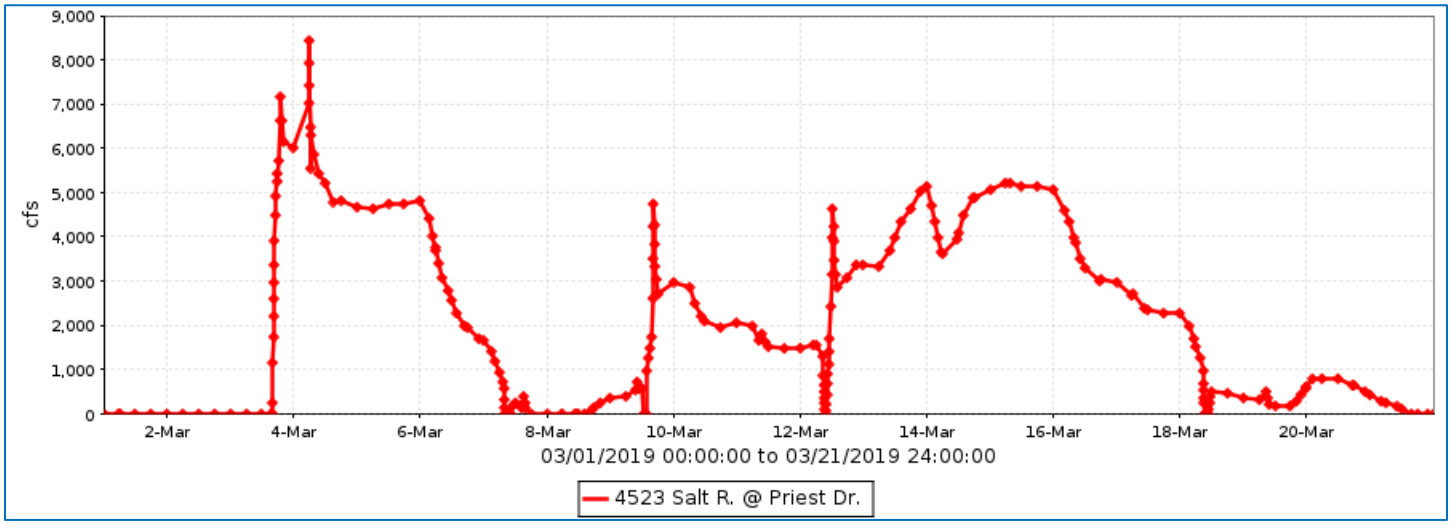




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/13/2018	4.36	328
03/04/2019	6.94	8,429
03/07/2019	4.41	394
03/09/2019	6.09	4,755
03/09/2019	4.64	720
03/15/2019	6.21	5,226
03/20/2019	4.69	803
09/24/2019	6.14	6,530

Hydrograph of peak WY 2019 flow event, 03/04/2019



Flood Flow Frequency

Flood Flow Frequency Source: Table 2-4 from Study from Modified Roosevelt Dam					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
n/a	**20,500**	**55,000**	**90,000**	**140,000**	**169,000**

Salt River at Priest Drive, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282											
2	2322											
3	---					1833						
4	---					5407						
5	---					4656						
6	---					2963						
7	---					495						
8	---					57						
9	---					1322						
10						2385						
11						1709						
12						2270						
13	64					3923						
14						4331						
15						5098						
16						3757						
17						2545						
18						944						
19						295						
20						718						
21						172						
22					14							
23												
24												1844
25					---							95
26					---							
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	49729	0	0	0	14	44880	0	0	0	0	0	1939
MEAN	1604	0	0	0	1	1448	0	0	0	0	0	65
MAX	6237	0	0	0	108	8388	0	0	0	0	0	4898
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	98636	0	0	0	28	89018	0	0	0	0	0	3847

WTR YR 2019 TOTAL 96563 MEAN 265 MAX 8388 MIN 0 AC_FT 191529

See *USGS Water-Data Report AZ-18-1* for official data for this site.

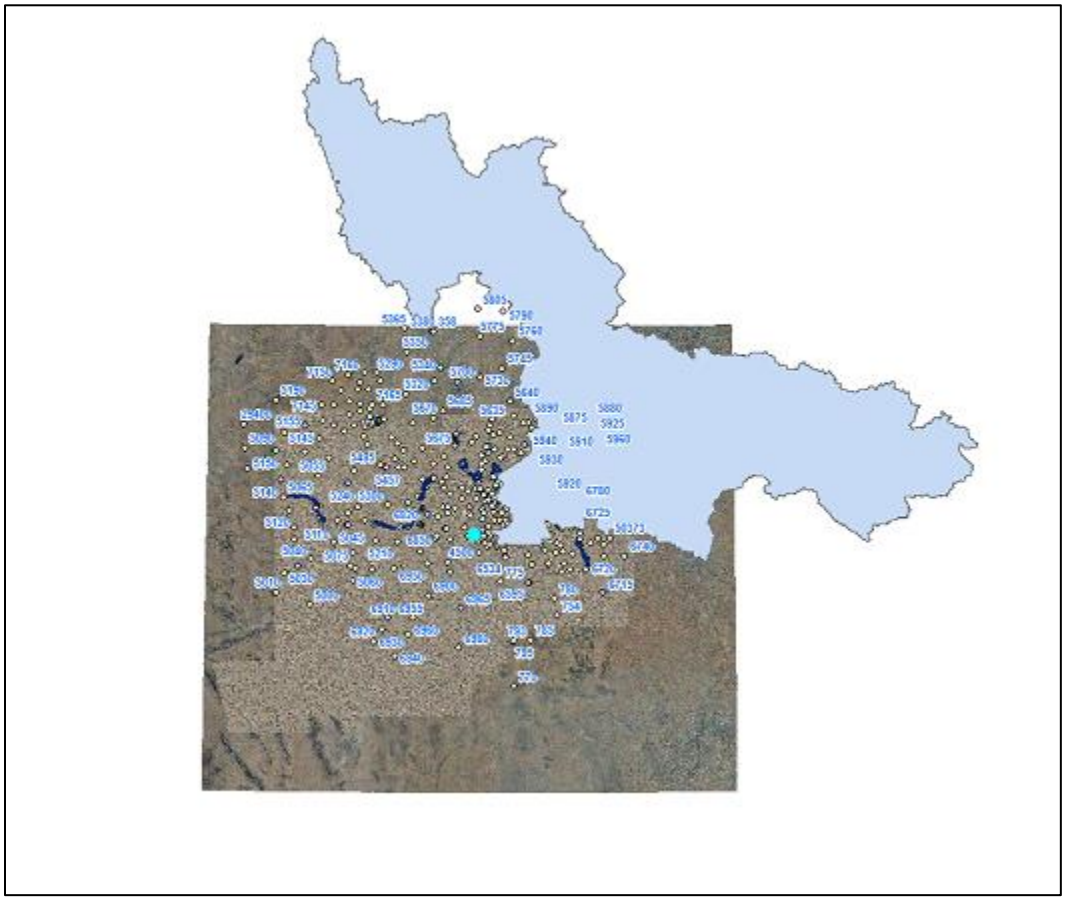
Salt River at 7th Avenue, ID #4763

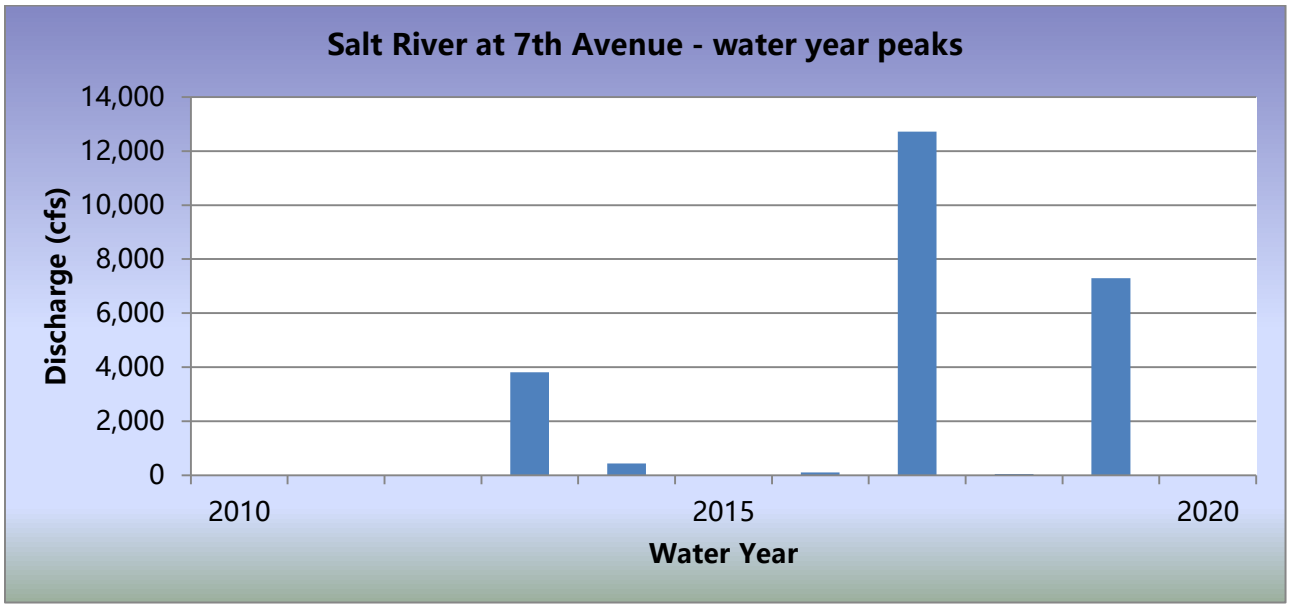


Site Data

LOCATION	Located on the 7th Avenue Bridge
DRAINAGE AREA	13,223 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC / South Mountain
SECTION/TOWNSHIP/RANGE	S19 T1N R3E
LATITUDE	N 33° 25' 03.1" | +33.41752
LONGITUDE	W 112° 04' 57.4" | -112.08262
STREAMGAGE INSTALLATION DATE	01/25/2012 - WY 2012
AVAILABLE PERIOD OF RECORD (POR)	01/25/2012 - Current
LENGTH OF AVAILABLE POR DATA DATA	7.68 Years | 2,806 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,027.76 feet NAVD88
POINT OF ZERO FLOW	Undetermined
EXTREME FOR PERIOD OF RECORD	12.27 feet | 12,712 cfs | 03/01/2017

Watershed Map

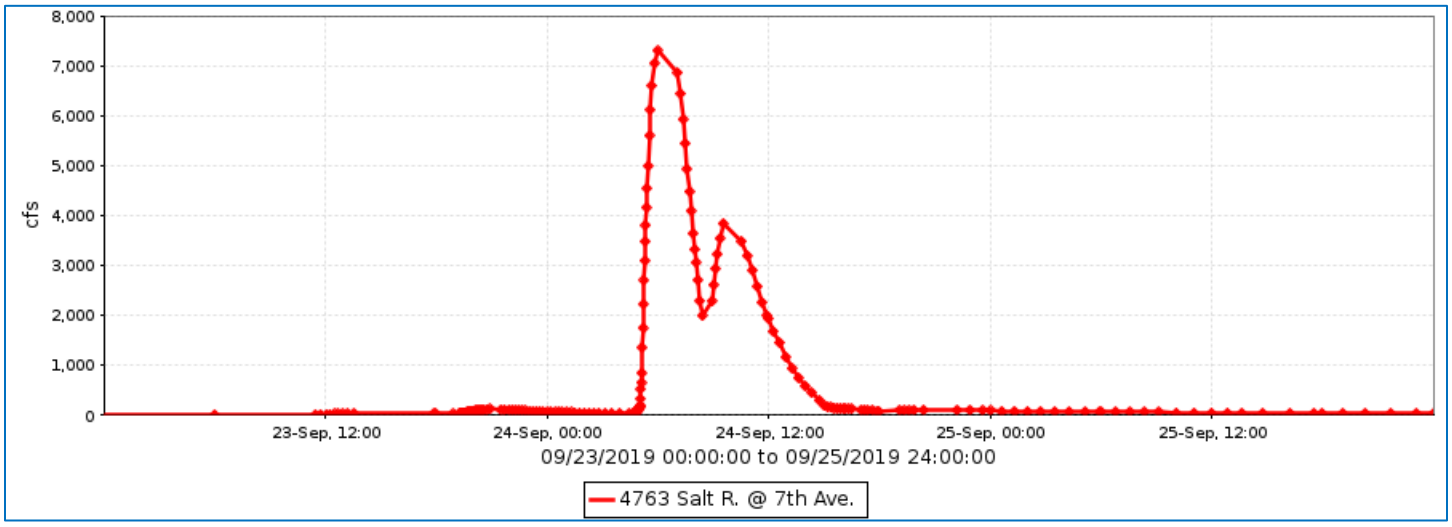




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
03/04/2019	8.07	6,760
03/09/2019	5.82	286
03/14/2019	7.07	2,980
03/15/2019	7.10	3,065
09/24/2019	8.21	7,295

Hydrograph of peak WY 2019 flow event,



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Salt River at 7th Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						2	2			3	3	3
2	37					2	2		1	3	3	3
3	15					537	2		2	3	3	3
4						4389	2		2	3	8	3
5						2827	2		2	3	3	3
6						1053	2		2	3	3	3
7						65	2		2	3	3	3
8						28	2		2	3	3	3
9						75	2		2	3	3	3
10						138	2		2	3	3	3
11		---				105	2		2	3	3	3
12		---				160	2		2	3	3	3
13	33					1018	2		2	3	3	3
14						1763	2		2	3	3	3
15						2957	2		2	3	3	3
16						1198	2		2	3	3	2
17						133	2		2	3	3	2
18						78	2		2	3	3	2
19						40	2		2	3	3	2
20						55	2		2	3	3	2
21						37	2		2	3	3	2
22					2	21	2		2	3	3	2
23						17	2		2	3	3	23
24						10	2		2	3	3	1387
25						8	2		2	3	3	44
26						8	2		3	3	3	20
27						4	2		3	3	3	15
28					1	4	2		3	3	3	4
29					---	2			3	3	6	
30					---	2			3	3	3	
31		---			---	2	---		---	5	3	---
TOTAL	93	0	0	0	3	16738	64	0	70	84	90	1550
MEAN	3	0	0	0	0	540	2	0	2	3	3	52
MAX	156	0	0	0	12	6760	3	0	3	8	25	7295
MIN	0	0	0	0	0	2	0	0	0	2	2	0
AC_FT	184	0	0	0	6	33199	126	0	138	167	179	3074

WTR YR 2019 TOTAL 18690 MEAN 51 MAX 7295 MIN 0 AC_FT 37072

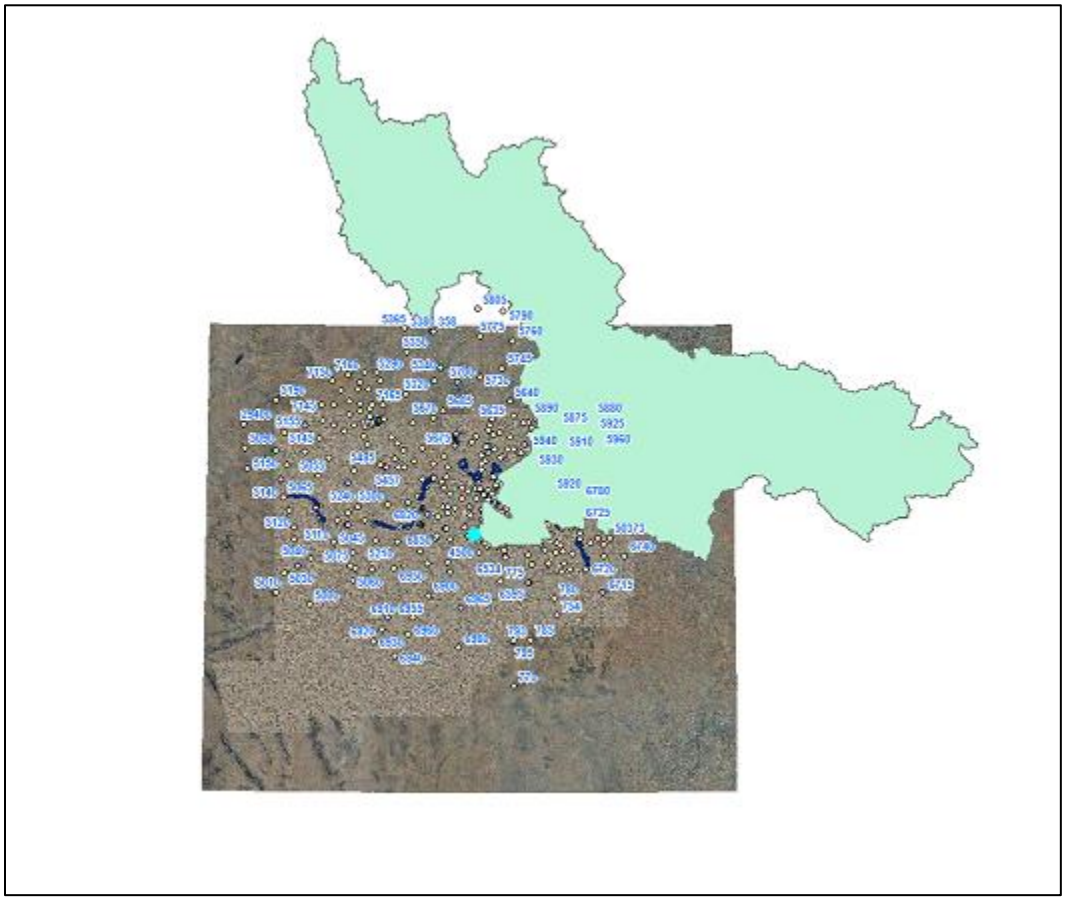
Salt River at 51st Avenue, ID #4753

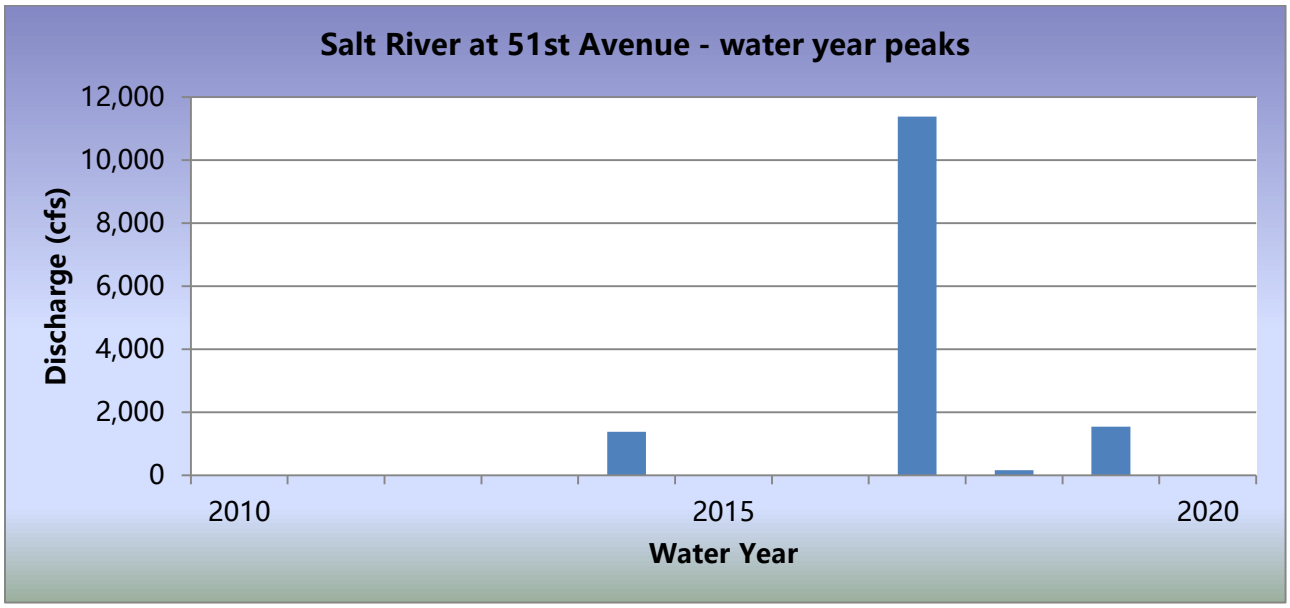


Site Data

LOCATION	Located at the 51st Avenue crossing of the Salt River
DRAINAGE AREA	13,425 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC
SECTION/TOWNSHIP/RANGE	S29 T1N R2E
LATITUDE	N 33° 24' 15.7" | +33.40435
LONGITUDE	W 112° 10' 07.4" | -112.16871
STREAMGAGE INSTALLATION DATE	04/27/2011 - WY 2011
AVAILABLE PERIOD OF RECORD (POR)	04/27/2011 - Current
LENGTH OF AVAILABLE POR DATA DATA	8.43 Years | 3,079 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.90 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	986.89 feet NAVD88
POINT OF ZERO FLOW	1.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	11,376 cfs | 10.50 feet GH | 03/01/2017

Watershed Map

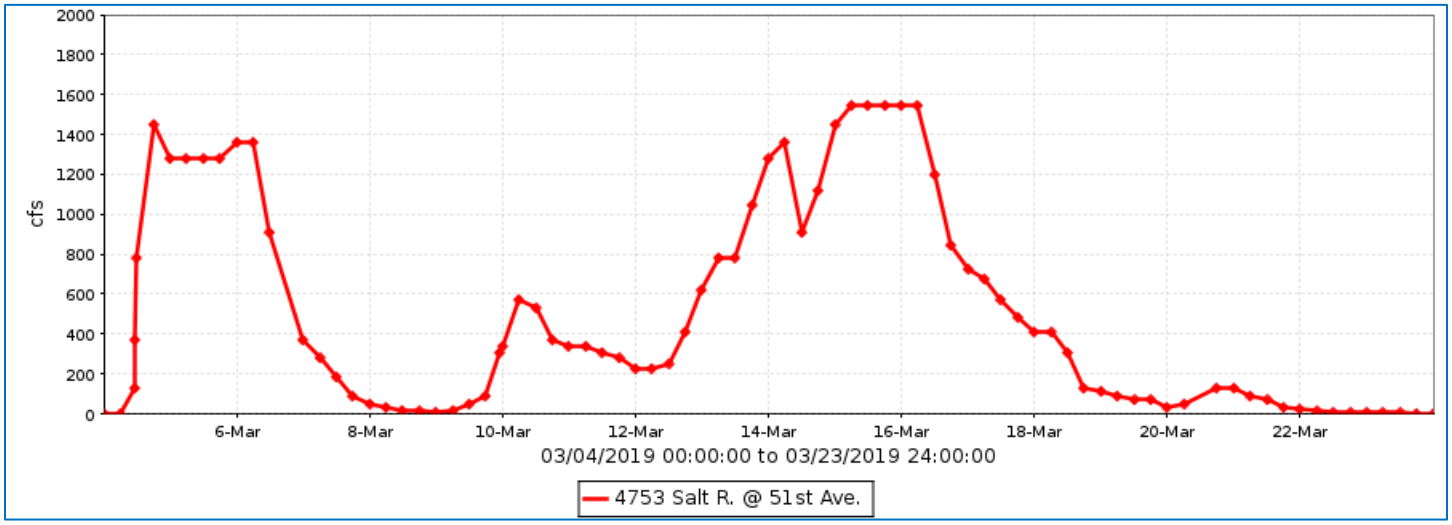




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
03/04/2019	5.70	1,451
03/15/2019	5.80	1,545

Hydrograph of peak WY 2019 flow event, 03/15/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Salt River at 51st Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4						569						
5						1277						
6						1135						
7						231						
8						27						
9						50						
10						453						
11						316						
12						279						
13				---		808						
14				---		1166						
15						1521						
16						1282						
17						614						
18						313						
19						84						
20						65						
21						79						
22						11						
23						3						
24					---	1						4
25					---							2
26												
27	---											
28	---											
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	10284	0	0	0	0	0	6
MEAN	0	0	0	0	0	332	0	0	0	0	0	0
MAX	0	0	0	0	0	1545	0	0	0	0	0	5
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	20398	0	0	0	0	0	11

WTR YR 2019 TOTAL 10289 MEAN 28 MAX 1545 MIN 0 AC_FT 20409

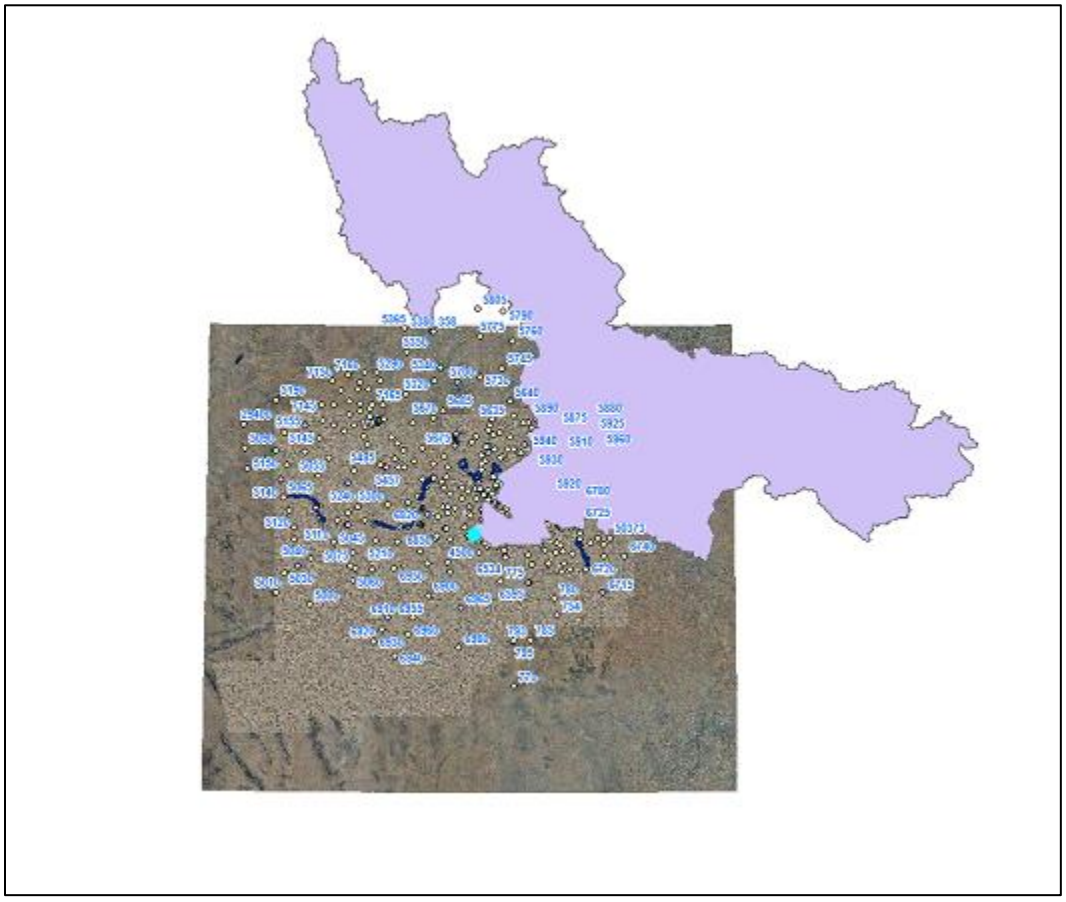
Salt River at 67th Avenue, ID #4758

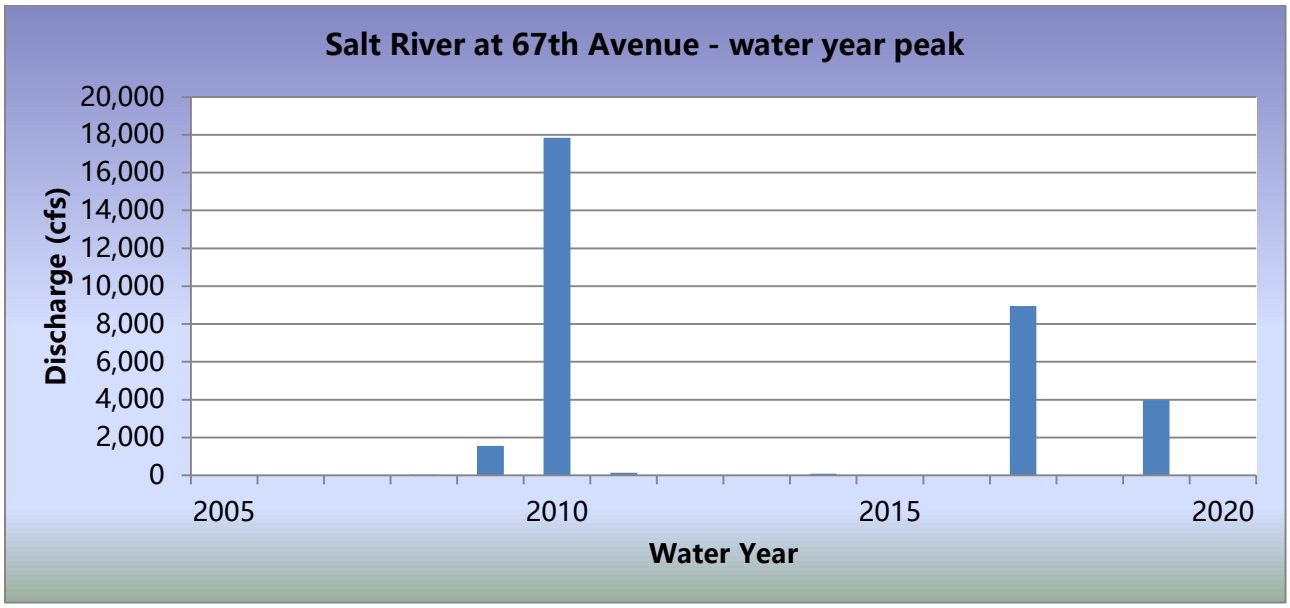


Site Data

LOCATION	Located at the 67th Avenue crossing of the Salt River
DRAINAGE AREA	13,434 mi^2
STREAM TYPE	Culvert in Channelized Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Salt
SECTION/TOWNSHIP/RANGE	S30 T1N R2E
LATITUDE	N 33° 23' 51.8" | +33.39773
LONGITUDE	W 112° 12' 12.6" | -112.20351
STREAMGAGE INSTALLATION DATE	07/14/2008 - WY 2008
AVAILABLE PERIOD OF RECORD (POR)	07/14/2008 - Current
LENGTH OF AVAILABLE POR DATA	11.21 Years | 4,096 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-0.35 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	975.21 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	17,847 cfs | 9.43 feet GH | 01/22/2010

Watershed Map

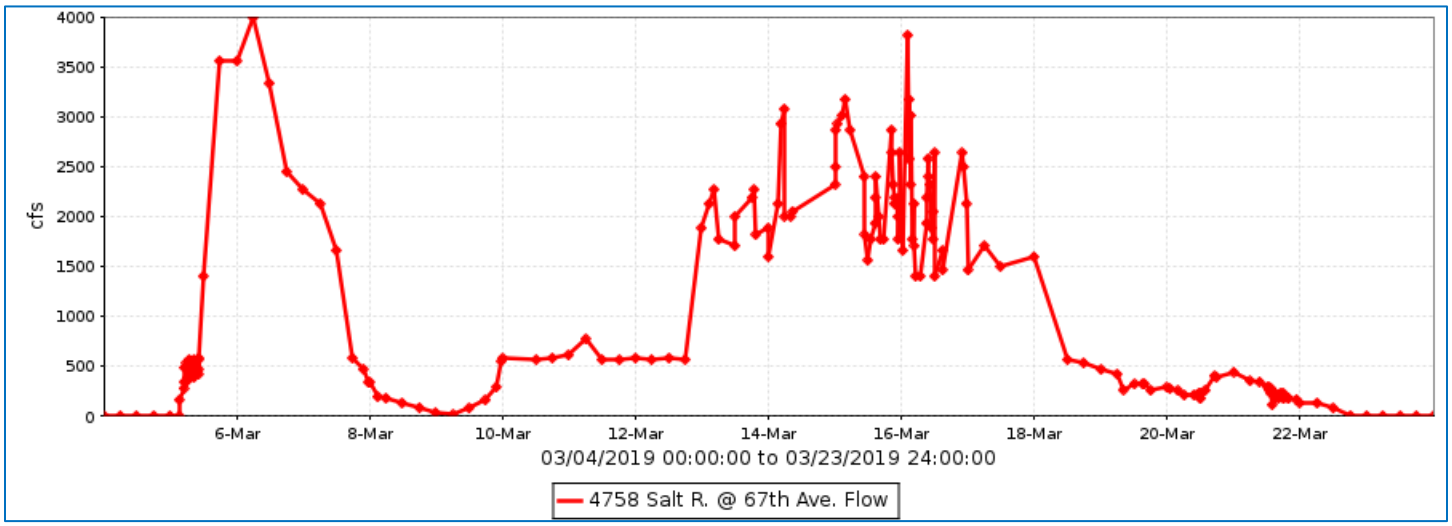




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
03/05/2019	6.86	3,985
03/15/2019	6.61	3,170

Hydrograph of peak WY 2019 flow event, 03/05/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Salt River at 67th Avenue, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5						1403						
6						3331						
7						1644						
8						159						
9						80						
10						571						
11						623						
12						570						
13						1934						
14						2038						
15						2388						
16						1760						
17						1536						
18						1070						
19						336						
20						278						
21						296						
22						83						
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	20100	0	0	0	0	0	0
MEAN	0	0	0	0	0	648	0	0	0	0	0	0
MAX	0	0	0	0	0	3985	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	39867	0	0	0	0	0	0

WTR YR 2019 TOTAL 20100 MEAN 55 MAX 3985 MIN 0 AC_FT 39867

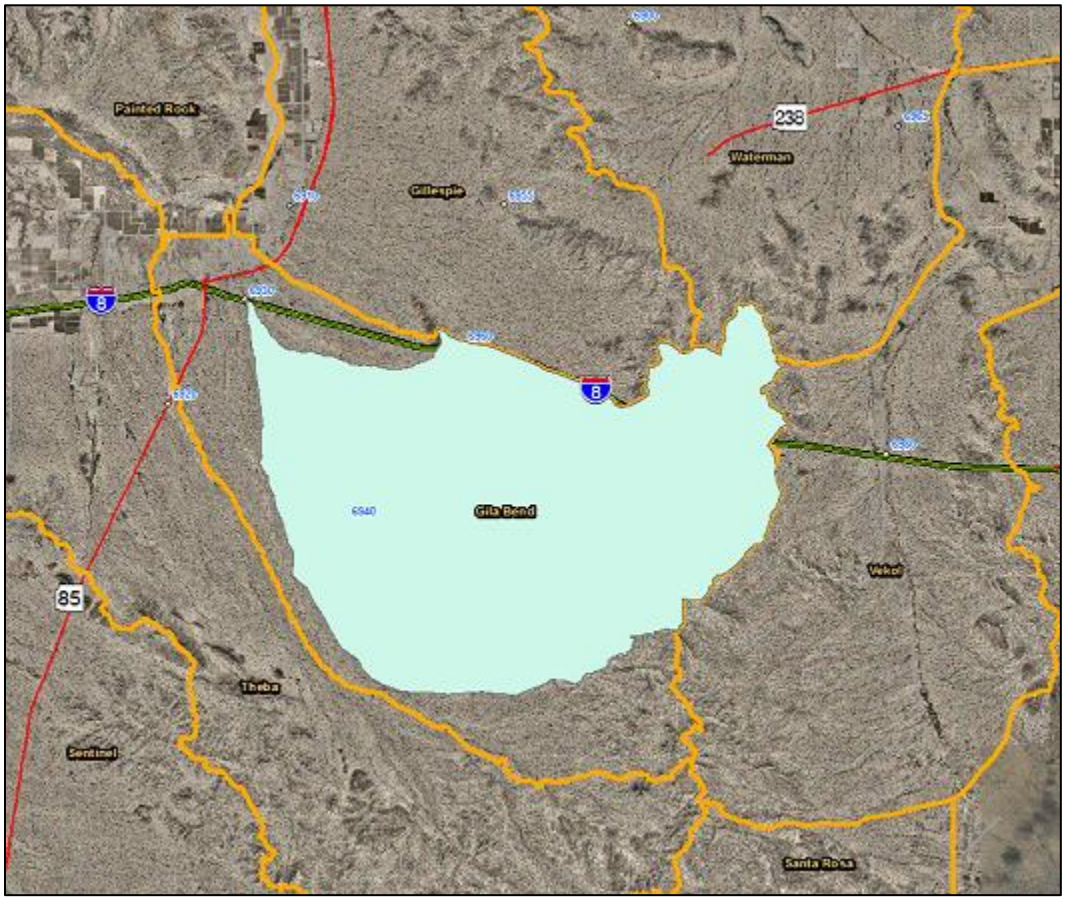
Sand Tank Wash at I-8, ID #6933

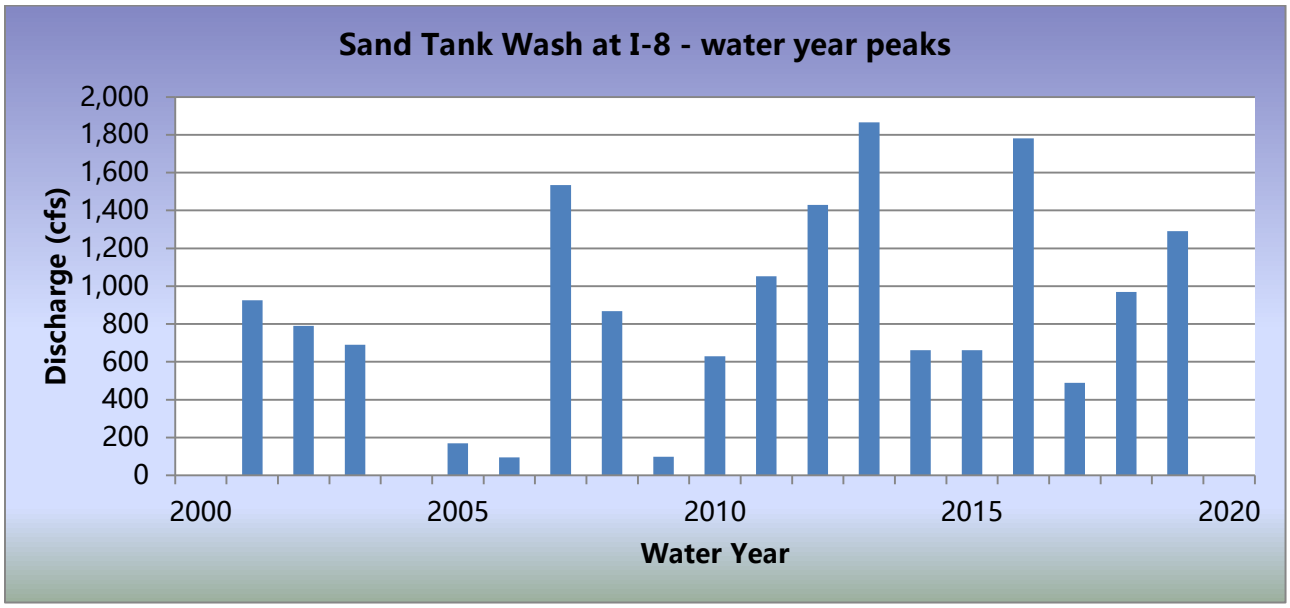


Site Data

LOCATION	Located in Gila Bend along I-8
DRAINAGE AREA	185 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Gila Bend, Arizona
WATERSHED	Gila Bend
SECTION/TOWNSHIP/RANGE	S06 T6S R4W
LATITUDE	N 32° 55' 59.1" | +32.93310
LONGITUDE	W 112° 42' 20.8" | -112.70579
STREAMGAGE INSTALLATION DATE	05/31/2001 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	05/31/2001 - Current
LENGTH OF AVAILABLE POR DATA	18.34 Years | 6,697 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.30 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	760.54 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,866 cfs | 4.75 feet | 08/26/2013

Watershed Map

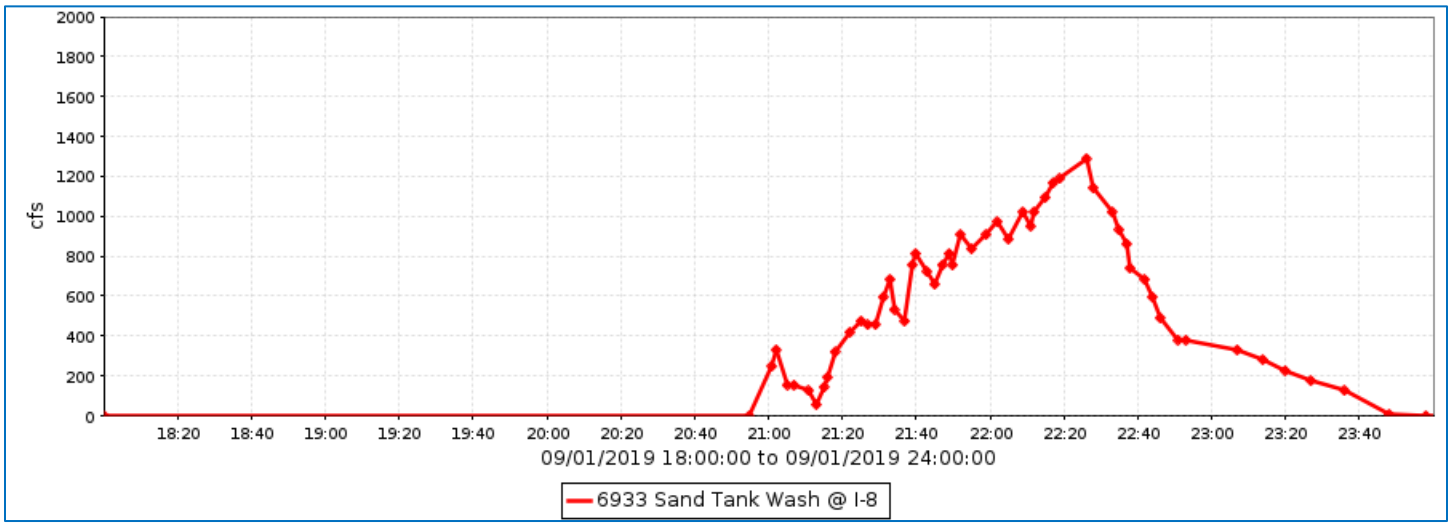




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.84	1,215
10/13/2018	2.95	676
09/01/2019	3.95	1,291

Hydrograph of peak WY 2019 flow event, 09/01/2019



Flood Flow Frequency

Flood Flow Frequency N=20, HEC-WRC computation (based on 20 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
677	**1,400**	**1,950**	**2,500**	**3,220**	**3,770**

NOTE: These results are based on very limited data.

Sand Tank Wash at I-8, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												64
2	137											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	32											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	169	0	0	0	0	0	0	0	0	0	0	64
MEAN	5	0	0	0	0	0	0	0	0	0	0	2
MAX	1215	0	0	0	0	0	0	0	0	0	0	1291
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	336	0	0	0	0	0	0	0	0	0	0	127

WTR YR 2019 TOTAL 234 MEAN 1 MAX 1291 MIN 0 AC_FT 463

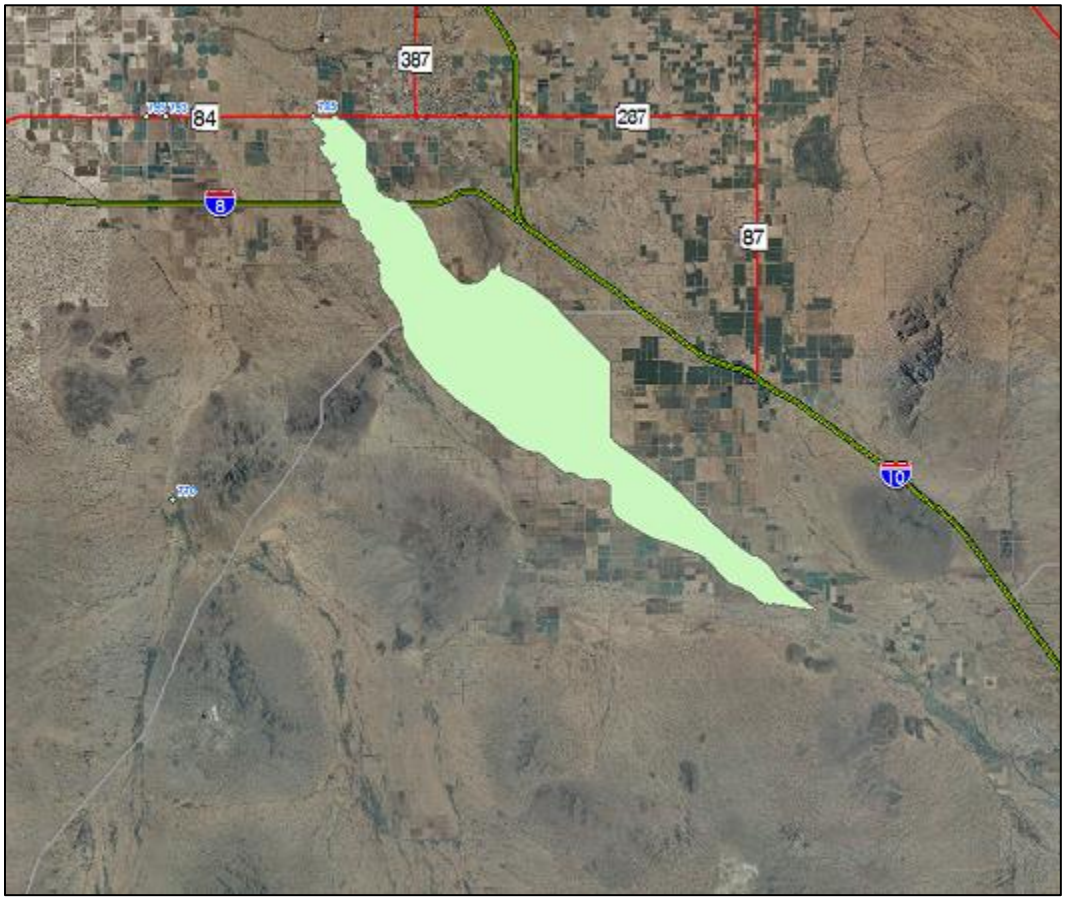
Santa Cruz River at SR84, ID #0788

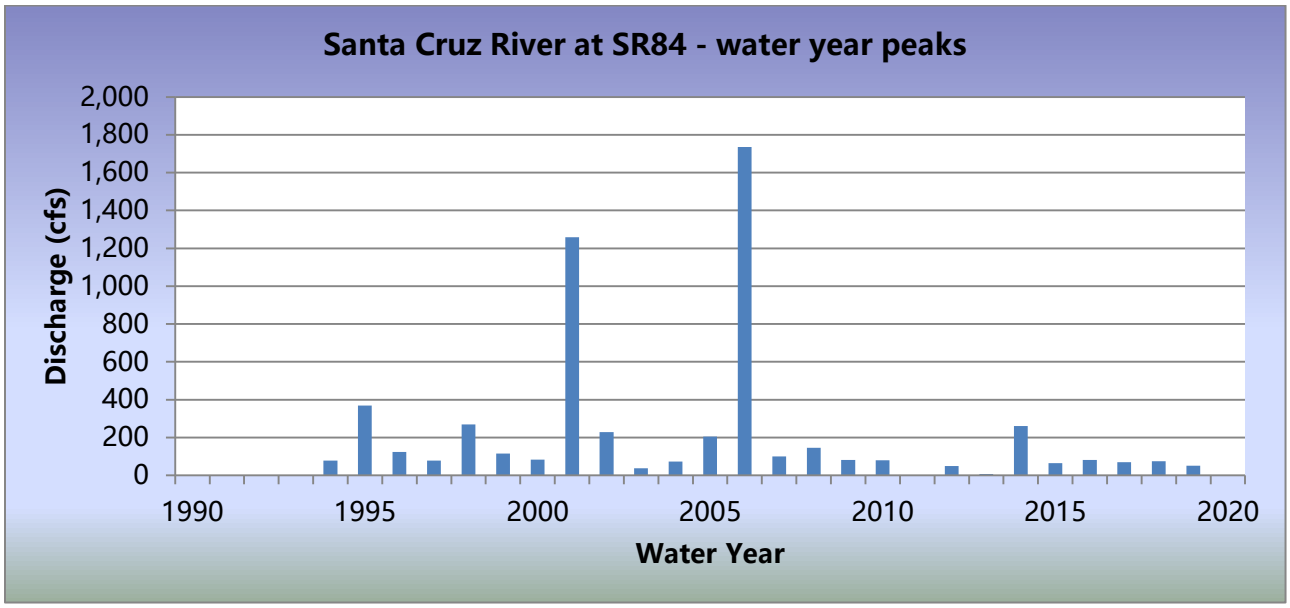


Site Data

LOCATION	On SR 84 about 5 miles west of Casa Grande
DRAINAGE AREA	78.8 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Pinal County, Arizona
WATERSHED	Santa Cruz
SECTION/TOWNSHIP/RANGE	S21 T6S R5E
LATITUDE	N 32° 52' 46.3" | +32.87952
LONGITUDE	W 111° 49' 44.2" | -111.82895
STREAMGAGE INSTALLATION DATE	03/16/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	03/16/1994 - Current
LENGTH OF AVAILABLE POR DATA	25.54 Years | 9,330 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,346.06 feet NAVD88
POINT OF ZERO FLOW	-1.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,736 cfs | 4.38 feet | 08/02/2006

Watershed Map

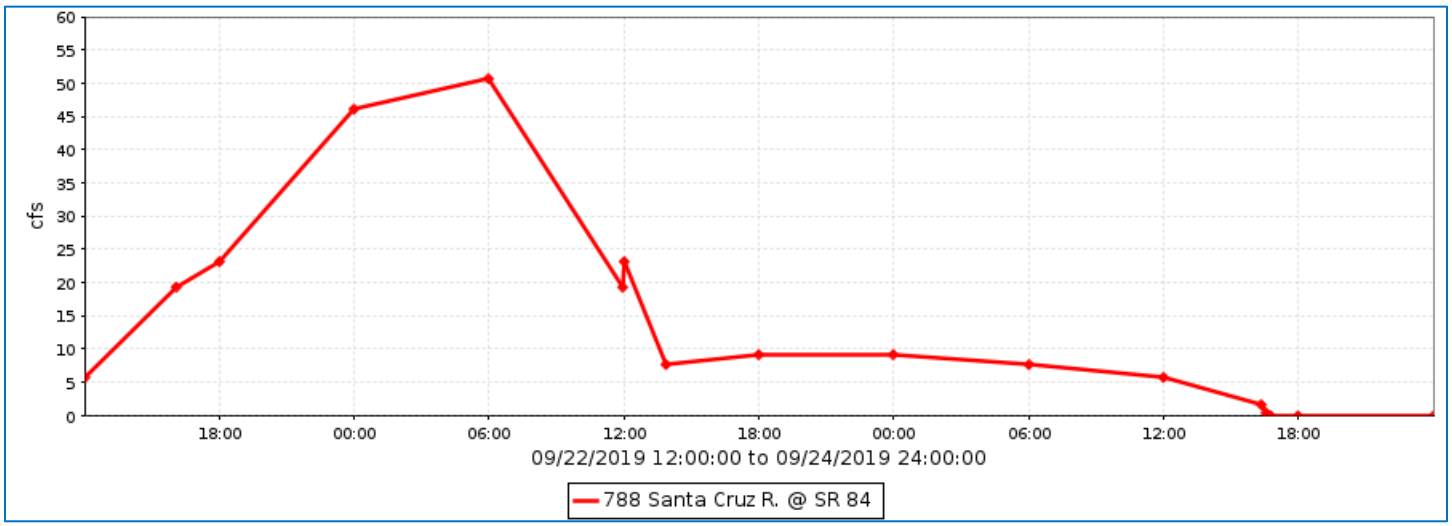




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
09/23/2019	0.91	51

Hydrograph of peak WY 2019 flow event, 08/12/2018



Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
109	**297**	**506**	**786**	**1,300**	**1,810**

Santa Cruz River at SR84, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												2
10												2
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												1
21												1
22												10
23												30
24												5
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	51
MEAN	0	0	0	0	0	0	0	0	0	0	0	2
MAX	0	0	0	0	0	0	0	0	0	0	0	51
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	101

WTR YR 2019 TOTAL 51 MEAN 0 MAX 51 MIN 0 AC_FT 101

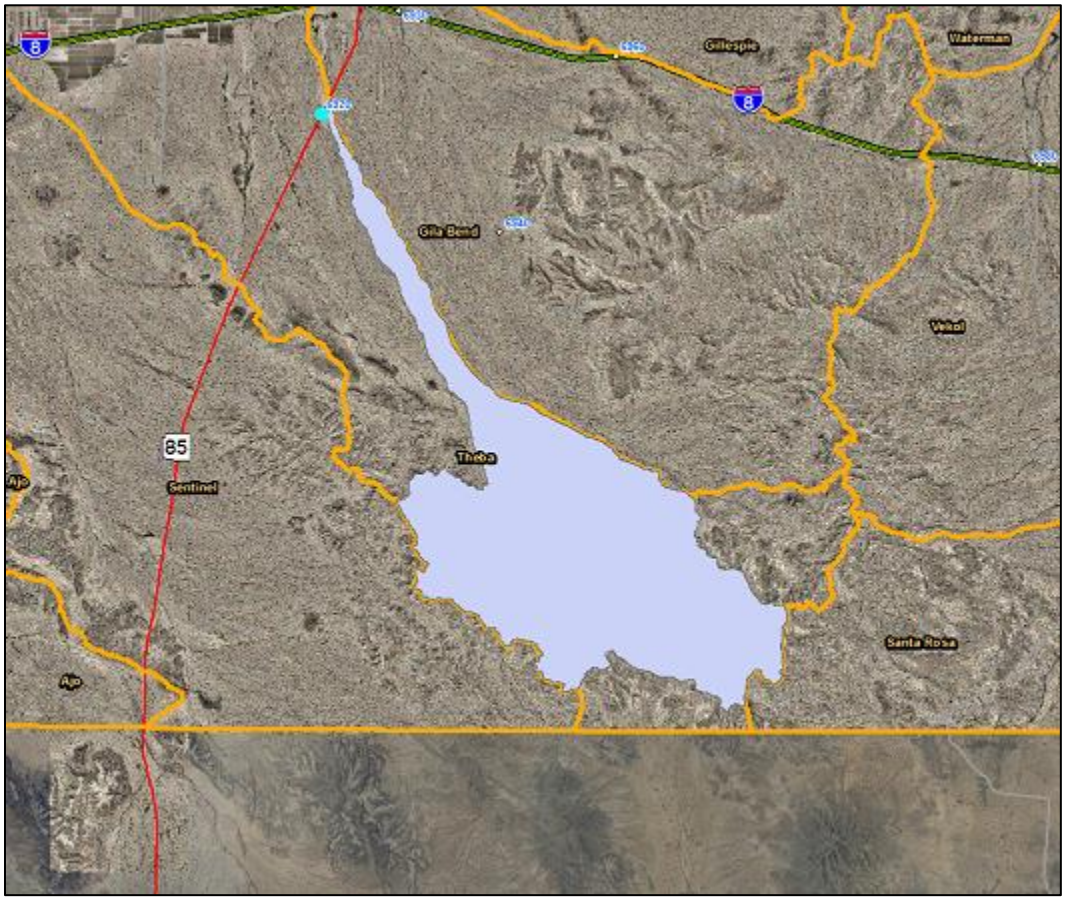
Sauceda Wash, ID #6923

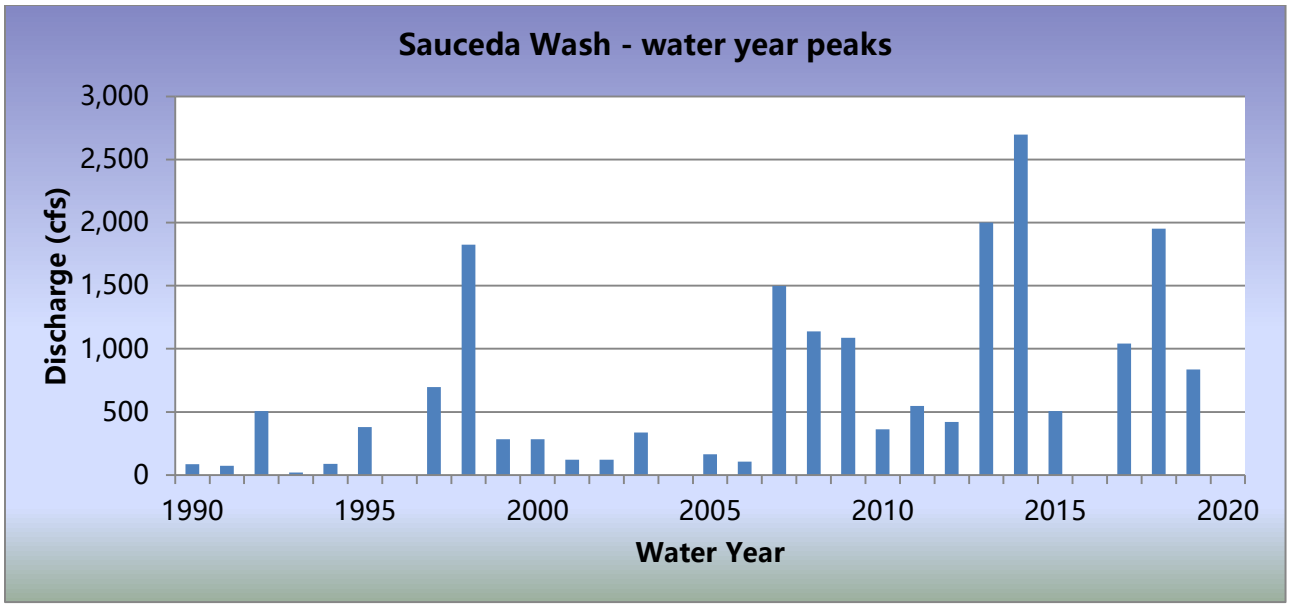


Site Data

LOCATION	About 5 miles south of Gila Bend on SR 85
DRAINAGE AREA	126 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Theba
SECTION/TOWNSHIP/RANGE	S27 T6S R5W
LATITUDE	N 32° 52' 49.6" | +32.88044
LONGITUDE	W 112° 45' 15.4" | -112.75427
STREAMGAGE INSTALLATION DATE	02/28/1990 - WY 1990
AVAILABLE PERIOD OF RECORD (POR)	02/28/1990 - Current
LENGTH OF AVAILABLE POR DATA	29.59 Years | 10,807 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.10 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	841.47 feet NAVD88
POINT OF ZERO FLOW	1.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,698 cfs | 5.70 feet GH | 08/13/2014

Watershed Map

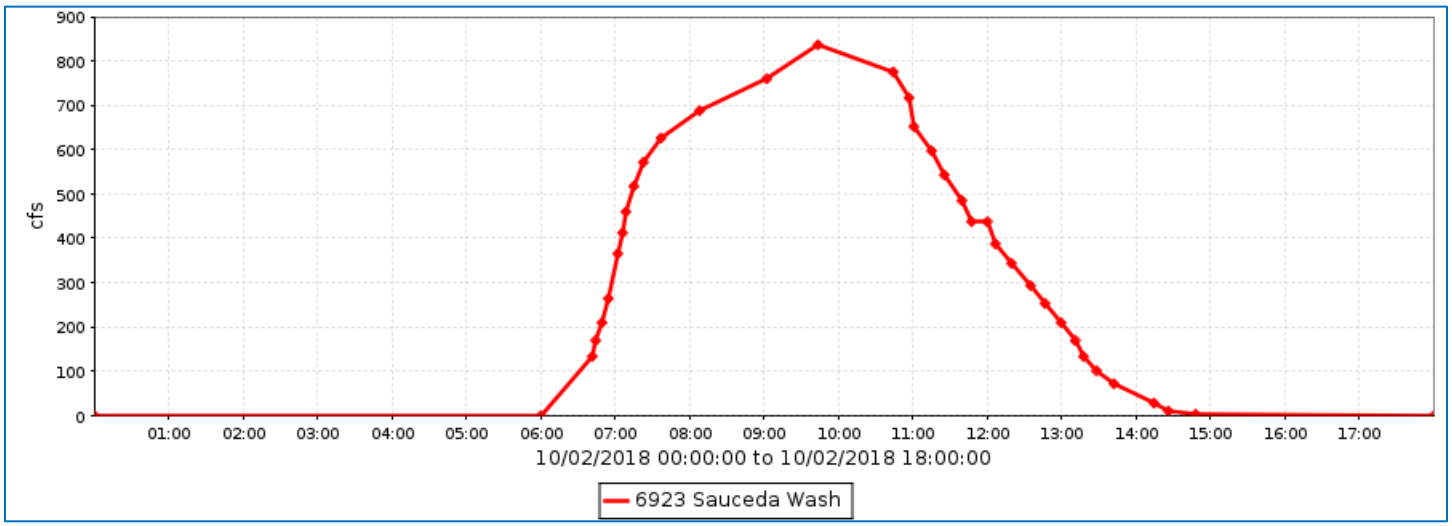




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.27	837
10/07/2018	1.78	117

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=47, HEC-WRC computation (based on 47 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
417	**1,240**	**2,100**	**3,180**	**4,970**	**6,600**

NOTE: These results are based on limited data.

Sauceda Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	164											
3												
4												
5												
6												
7	11											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	174	0	0	0	0	0	0	0	0	0	0	0
MEAN	6	0	0	0	0	0	0	0	0	0	0	0
MAX	837	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	346	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 174 MEAN 0 MAX 837 MIN 0 AC_FT 346

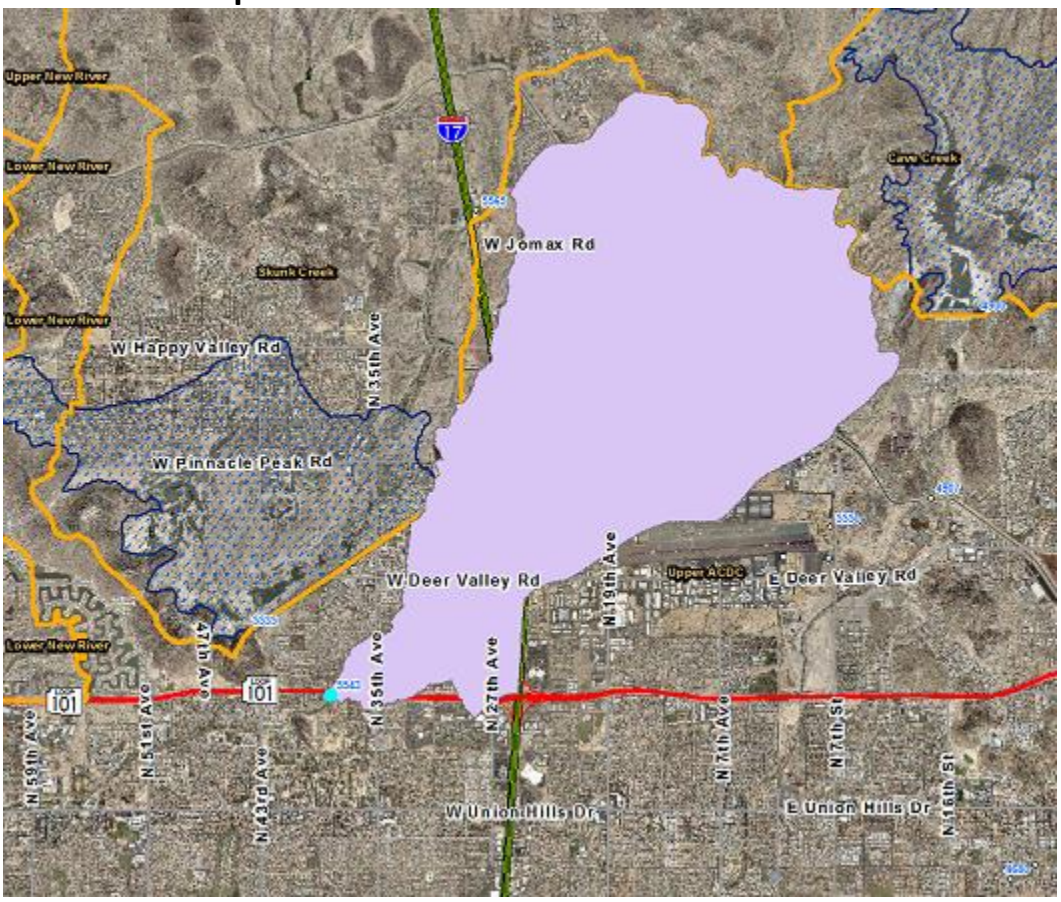
Scatter Wash, ID #5543

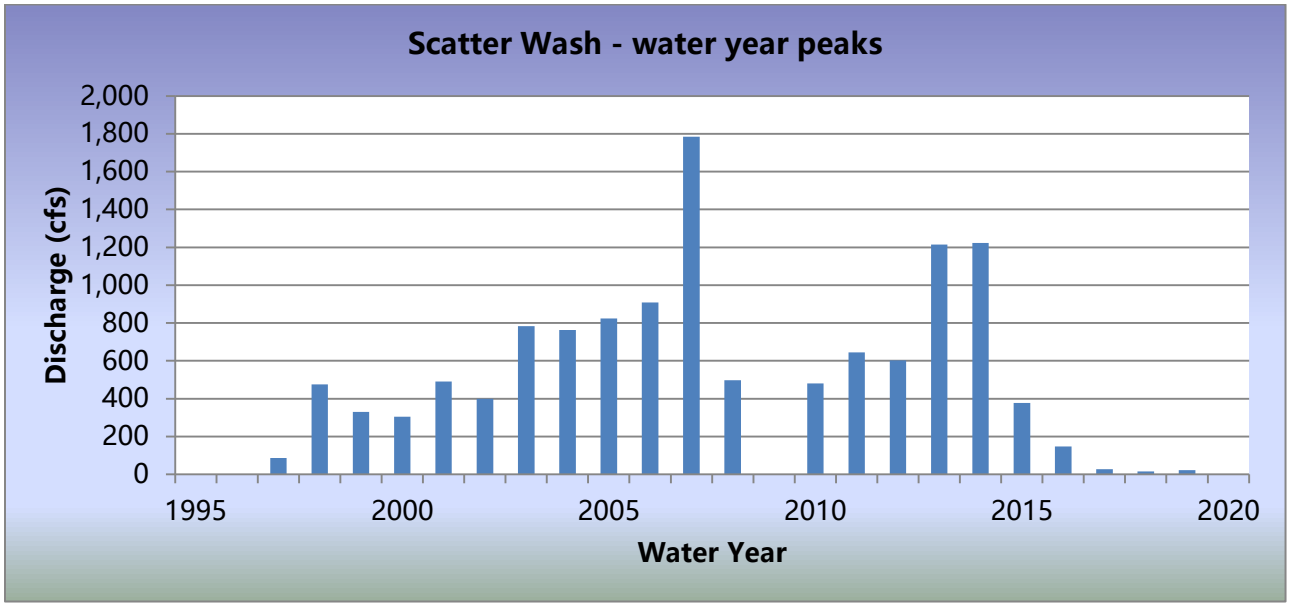


Site Data

LOCATION	Located west of 35th Avenue on eastbound Beardsley Road
DRAINAGE AREA	12.4 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S27 T4N R2E
LATITUDE	N 33° 40' 08.2" | +33.66893
LONGITUDE	W 112° 08' 29.8" | -112.14160
STREAMGAGE INSTALLATION DATE	09/18/1996 - WY 1996
AVAILABLE PERIOD OF RECORD (POR)	09/18/1996 - Current
LENGTH OF AVAILABLE POR DATA	23.03 Years | 8,413 Days
DATA GAPS IN POR	07/23/2008 - 11/18/2008
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,333.00 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,784 cfs | 3.42 feet | 07/25/2007

Watershed Map

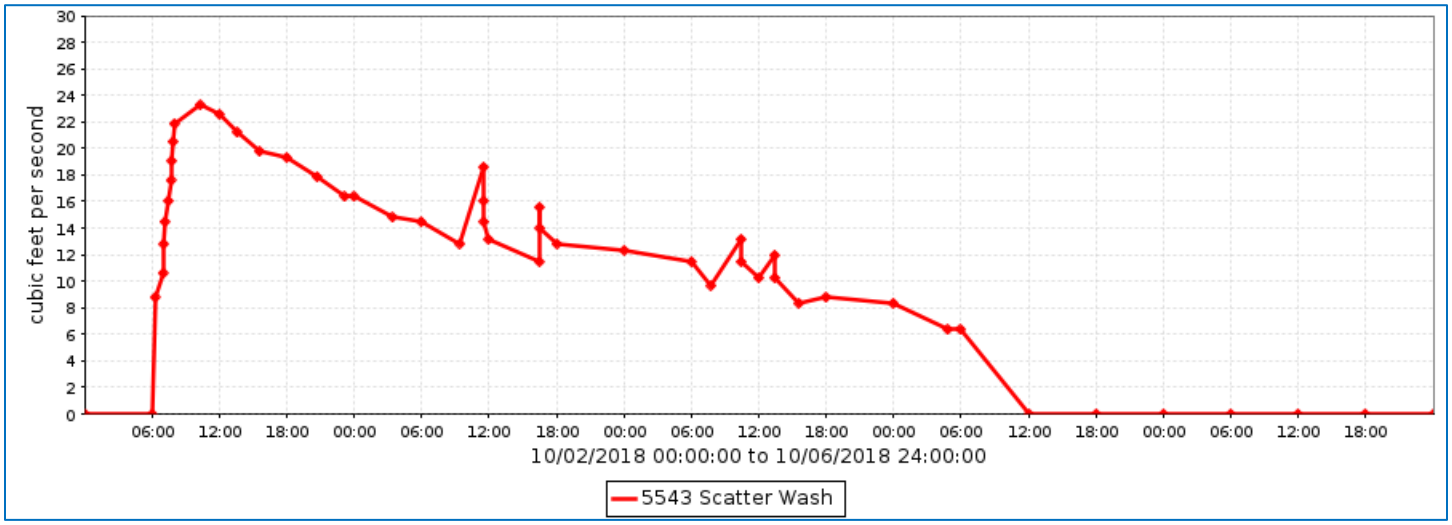




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.27	23
10/07/2018	1.04	20
10/13/2018	1.09	21
11/30/2018	0.74	16
01/06/2019	0.69	15
02/21/2019	1.19	22
08/28/2019	0.41	10

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=23, HEC-WRC computation (based on 23 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
353	**1,030**	**1,680**	**2,420**	**3,500**	**4,390**

NOTE(1): These results are based on very limited data.

Flood Flow Frequency 1995 Flood Insurance Study					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
	220	**590**	**1,320**	**3,500**	**6,100**

Scatter Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	14											
3	14				2							
4	10						1					
5	4											
6				9								
7	11											
8	6											
9	1					1						
10												
11												
12						8						
13	10											
14	9				3	1						
15					1	1						
16												
17	1											
18												
19												
20												
21					10							
22					15							
23	2				3							
24										1		1
25												
26												2
27												
28											1	
29		1			---							
30		6			---							
31		---			---		---		---			---
TOTAL	83	6	0	9	35	12	1	0	0	1	1	3
MEAN	3	0	0	0	1	0	0	0	0	0	0	0
MAX	23	16	0	15	22	11	5	0	0	10	10	9
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	164	12	0	17	69	24	2	0	0	2	2	6

WTR YR 2019 TOTAL 150 MEAN 0 MAX 23 MIN 0 AC_FT 298

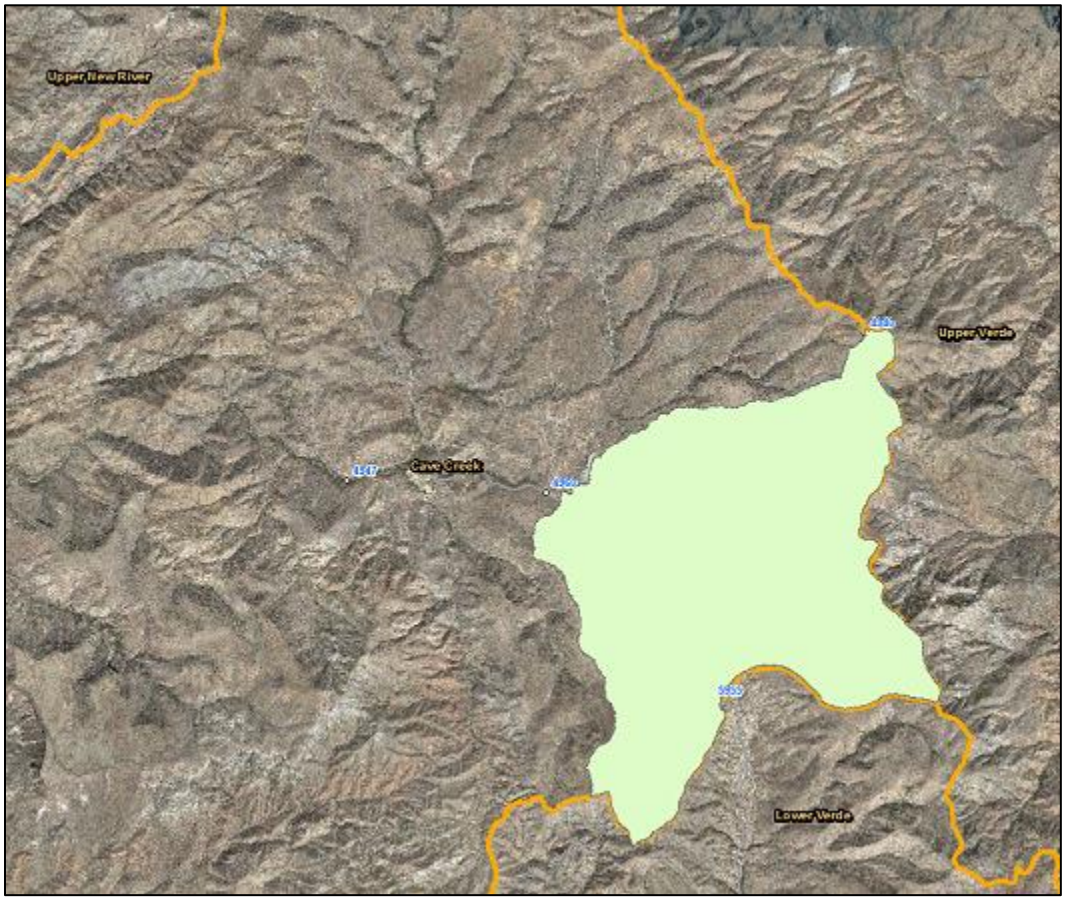
Seven Springs Wash, ID #4963

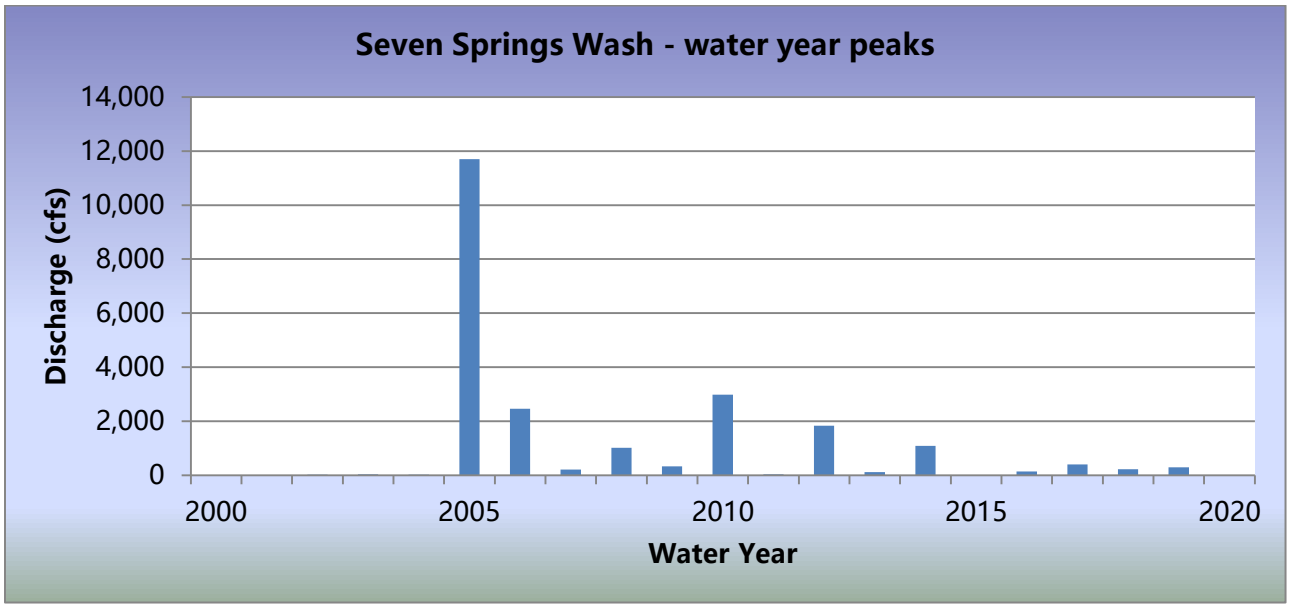


Site Data

LOCATION	On Seven Springs Road near Forest Road 254
DRAINAGE AREA	7.9 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S09 T7N R5E
LATITUDE	N 33° 57' 37.3" | +33.96035
LONGITUDE	W 111° 50' 37.0" | -111.84361
STREAMGAGE INSTALLATION DATE	03/12/2002 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	03/12/2002 - Current
LENGTH OF AVAILABLE POR DATA	17.56 Years | 6,412 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.60 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	3,481.67 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	11,700 cfs | 10.68 feet | 09/03/2005

Watershed Map

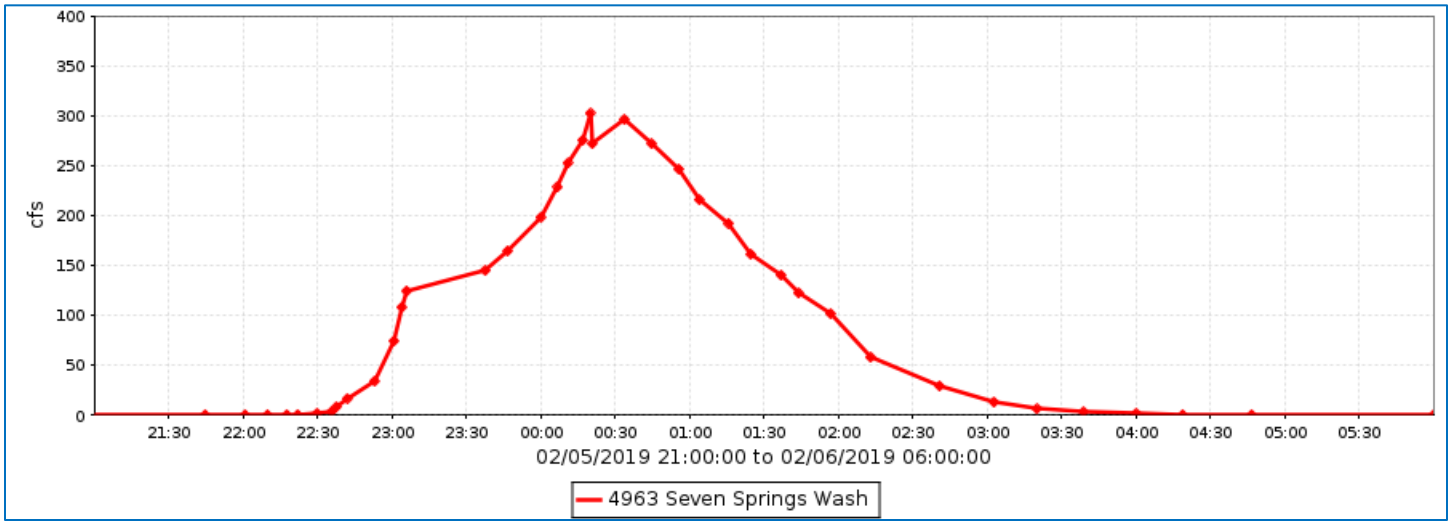




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/23/2018	2.74	188
02/06/2019	3.34	302
02/14/2019	2.04	49
03/13/2019	1.96	26

Hydrograph of peak WY 2019 flow event, 02/06/2019



Flood Flow Frequency

Flood Flow Frequency N=18, HEC-WRC computation (based on 18 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
271	**1,420**	**3,320**	**6,630**	**14,300**	**23,800**

NOTE: These results are based on very limited data.

Seven Springs Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5					6							
6					21							
7												
8												
9	---											
10												
11												
12												
13						2						
14					4							
15												
16												
17												
18												
19												
20												
21												
22												
23	3											
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	3	0	0	0	30	2	0	0	0	0	0	0
MEAN	0	0	0	0	1	0	0	0	0	0	0	0
MAX	188	0	0	0	302	26	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	6	0	0	0	60	4	0	0	0	0	0	0

WTR YR 2019 TOTAL 35 MEAN 0 MAX 302 MIN 0 AC_FT 69

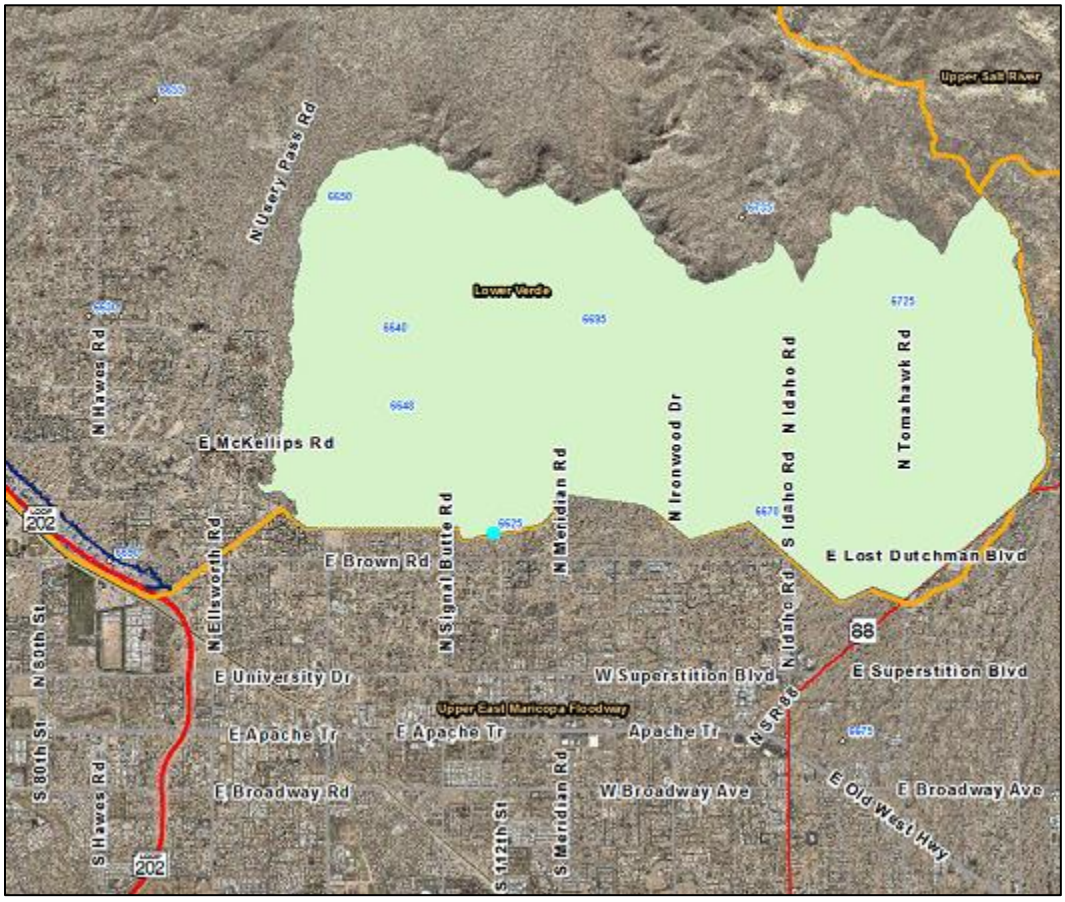
Signal Butte FRS, ID #6628

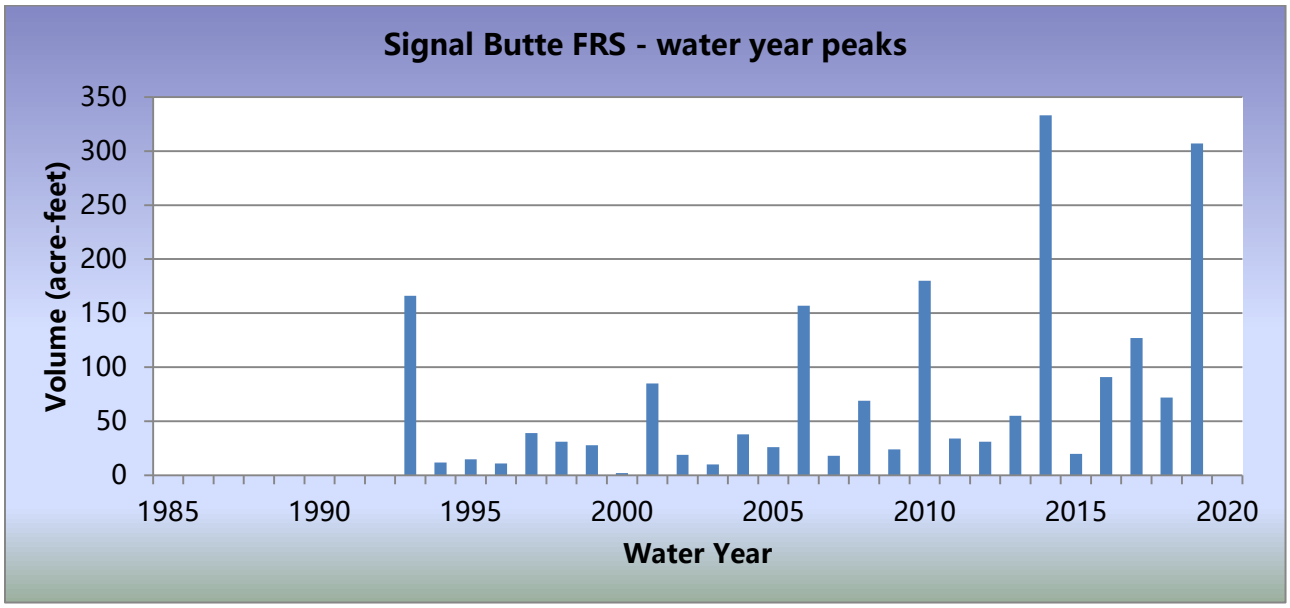


Site Data

LOCATION	Located north of Brown Road between Meridian and Signal Butte Roads
DRAINAGE AREA	16.4 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S12 T1N R7E
LATITUDE	N 33° 26' 24.2" | +33.44005
LONGITUDE	W 111° 35' 25.1" | -111.59031
STREAMGAGE INSTALLATION DATE	11/10/1987 - WY 1988
AVAILABLE PERIOD OF RECORD (POR)	11/10/1987 - Current
LENGTH OF AVAILABLE POR DATA	31.89 Years | 11,648 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-0.25 feet Gage Height
STAFF GAGES	8
ZERO GAGE HEIGHT ELEVATION	1,687.54 feet NAVD88
POINT OF ZERO FLOW (GATED OUTLET)	0.0 feet Gage Height
POINT OF ZERO FLOW (UNGATED OUTLET)	15.6 feet Gage Height
SPILLWAY ELEVATION	26.8 feet Gage Height
TOP OF DAM ELEVATION	37.0 feet Gage Height

Watershed Map

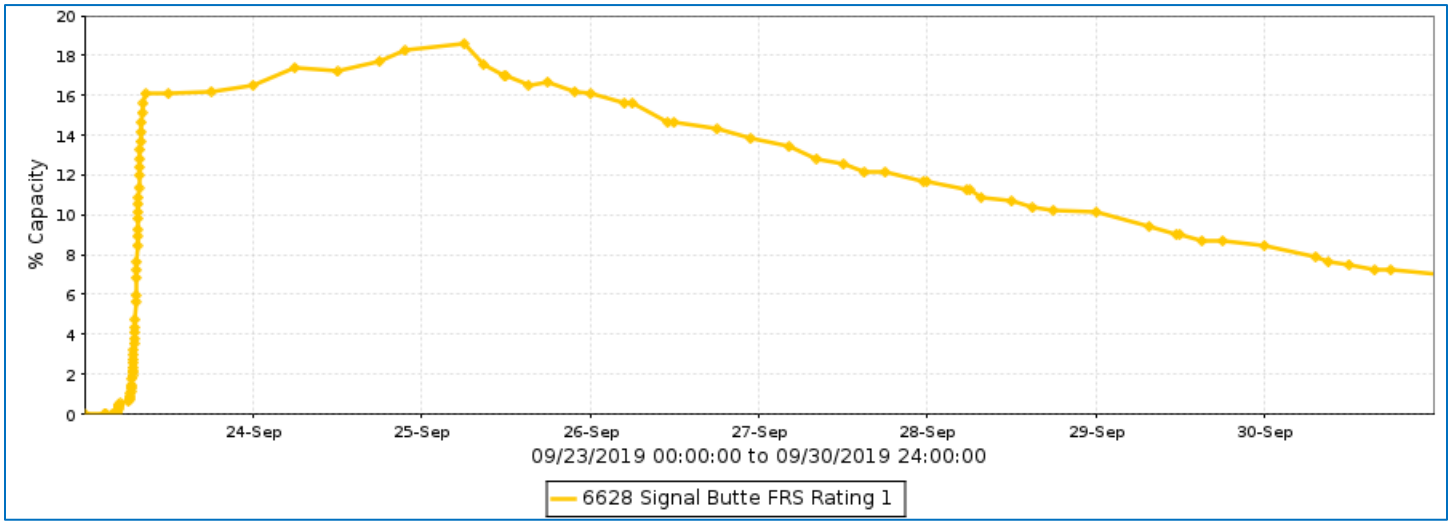




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/14/2018	7.27	72.0	4.4
02/22/2019	5.56	38.0	2.3
07/30/2019	3.86	16.0	1.0
09/25/2019	12.95	307.0	18.6

Hydrograph of peak WY 2019 impoundment event, 09/25/2019



Signal Butte FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31	---	---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Signal Butte FRS, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						1					1	
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	39											
14	64											
15	52											
16	42											
17	34											
18	27											
19	23											
20	19											
21	16				5							
22	14				36							
23	11				31							183
24	9				26							284
25	8				21							287
26	7				17							248
27	6				12							211
28	6				7							178
29	3				---							153
30					---					4		127
31	---	---			---		---		---	11		---
MEAN	12	0	0	0	6	0	0	0	0	0	0	56
MAX	72	0	0	0	38	4	0	0	0	16	6	307
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 6 MAX 307 MIN 0

Signal Butte FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.2	-0.2	-0.2	-0.2	-0.2	0.8	-0.2	-0.2	-0.2	-0.2	0.3	-0.2
2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
6	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
7	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
9	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
11	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
12	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
13	4.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
14	6.9	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
15	6.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
16	5.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
17	5.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
18	4.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
19	4.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
20	4.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
21	3.9	-0.2	-0.2	-0.2	1.0	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
22	3.6	-0.2	-0.2	-0.2	5.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
23	3.4	-0.2	-0.2	-0.2	5.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	8.8
24	3.2	-0.2	-0.2	-0.2	4.7	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	12.6
25	3.0	-0.2	-0.2	-0.2	4.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	12.6
26	2.9	-0.2	-0.2	-0.2	3.9	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	11.9
27	2.8	-0.2	-0.2	-0.2	3.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	11.2
28	2.7	-0.2	-0.2	-0.2	2.9	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	10.5
29	1.8	-0.2	-0.2	-0.2	---	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	9.8
30	0.4	-0.2	-0.2	-0.2	---	-0.2	-0.2	-0.2	-0.2	0.9	-0.2	9.1
31	---	---	-0.2	-0.2	---	-0.2	---	-0.2	---	3.3	-0.2	---
MEAN	2.1	-0.2	-0.2	-0.2	0.9	-0.2	-0.2	-0.2	-0.2	-0.1	-0.2	2.7
MAX	7.3	-0.1	-0.2	-0.0	5.6	2.5	-0.2	-0.2	-0.2	3.9	2.7	12.9
MIN	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2

WTR YR 2019 MEAN 0.30 MAX 12.95 MIN -0.25

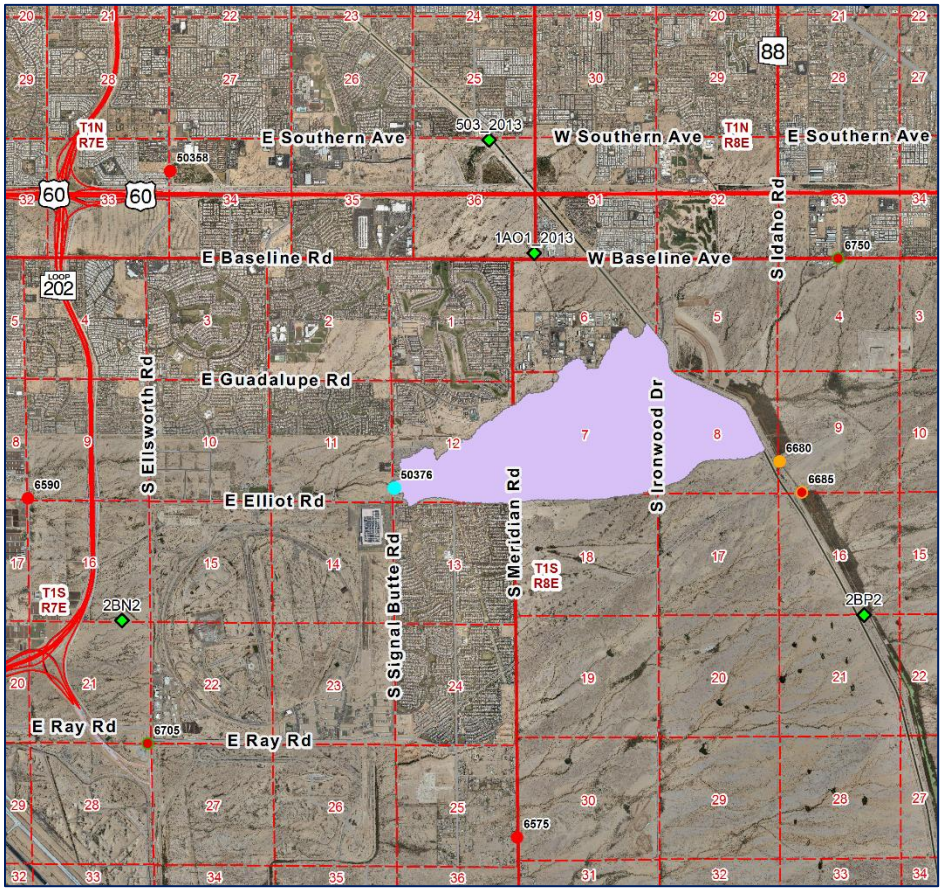
Siphon Draw Wash at Signal Butte Road, ID #37607

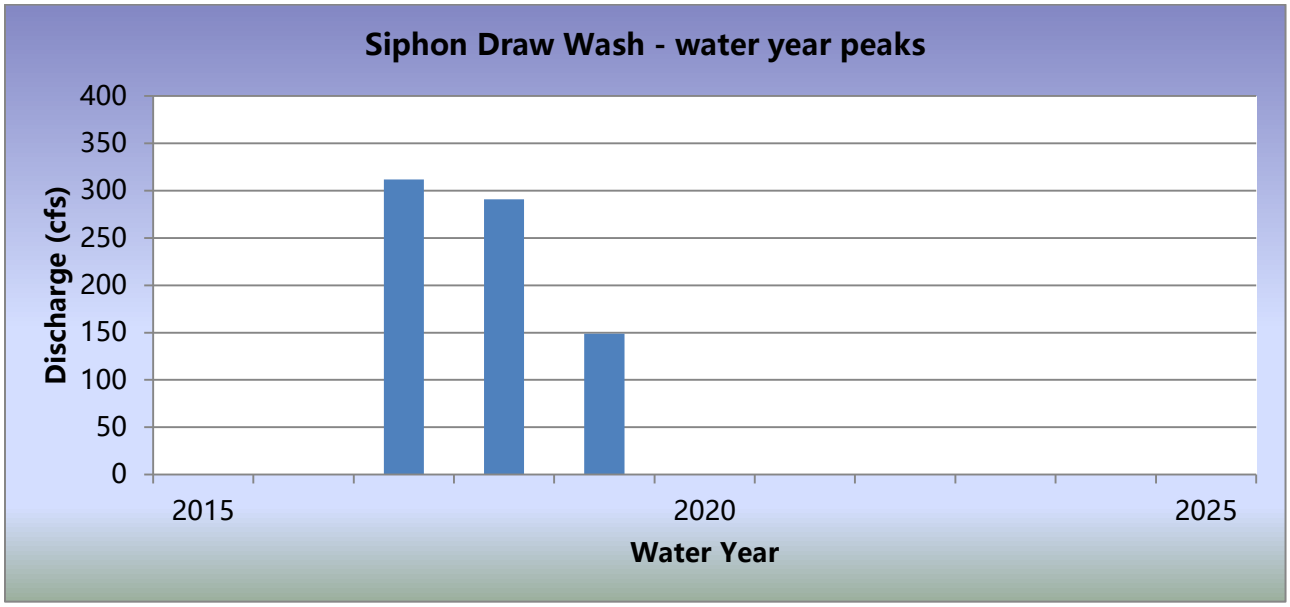


Site Data

LOCATION	Located north of Elliot Road on Signal Butte Road
DRAINAGE AREA	2.37 mi^2
STREAM TYPE	Natural Stream at a Culvert
JURISDICTION	Mesa, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S12 T1S R7E
LATITUDE	N 33° 21' 06.1" | +33.35169
LONGITUDE	W 111° 36' 03.2" | -111.60090
STREAMGAGE INSTALLATION DATE	12/22/2016 - WY 2017
AVAILABLE PERIOD OF RECORD (POR)	12/22/2016 - Current
LENGTH OF AVAILABLE POR DATA	2.77 Years | 1,013 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.65 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,460.50 feet NAVD88
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	312 cfs | 4.46 feet Gage Height | 07/24/2016

Watershed Map

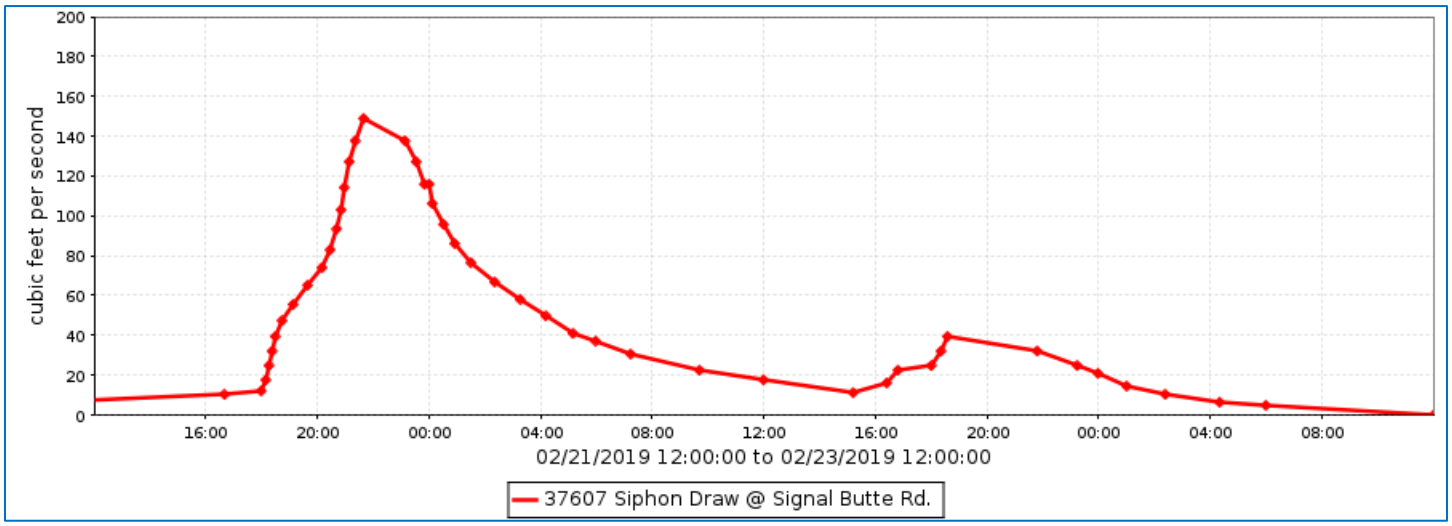




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/13/2018	1.26	37
01/06/2019	0.92	15
02/21/2019	2.45	149
03/12/2019	1.44	51
09/23/2019	1.48	55

Hydrograph of peak WY 2019 flow event, 02/21/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Siphon Draw Wash at Signal Butte Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6				6				---				
7												
8												
9												
10												
11												
12						11						
13	10					4						
14							3					
15							1					
16												
17												
18	3											
19	3											
20												
21					25							
22					37			---				
23	1				4							18
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	17	0	0	6	66	15	5	0	0	0	0	18
MEAN	1	0	0	0	2	0	0	0	0	0	0	1
MAX	37	0	0	15	149	51	7	0	0	0	0	55
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	34	0	0	13	132	29	9	0	0	0	0	36

WTR YR 2019 TOTAL 127 MEAN 0 MAX 149 MIN 0 AC_FT 253

Skunk Creek near New River, ID #5588

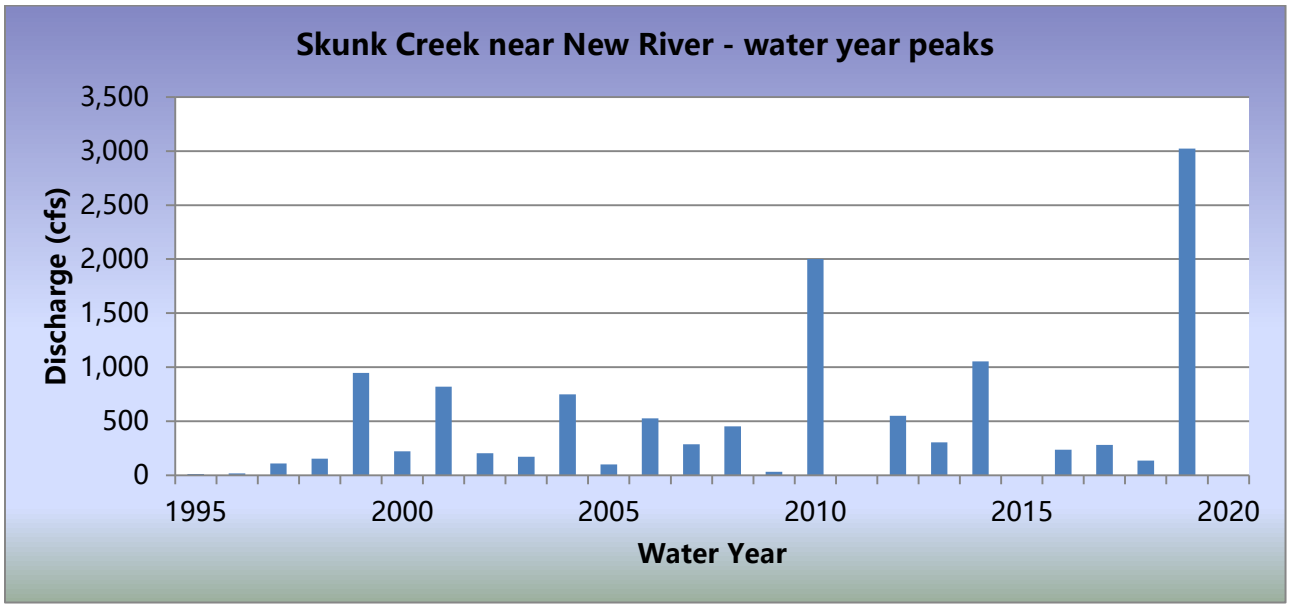


Site Data

LOCATION	Located south of the Fig Spring Road crossing of Skunk Creek
DRAINAGE AREA	3.92 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S29 T7N R3E
LATITUDE	N 33° 55' 34.3" | +33.92619
LONGITUDE	W 112° 04' 57.7" | -112.08268
STREAMGAGE INSTALLATION DATE	06/21/1995 - WY 1995
AVAILABLE PERIOD OF RECORD (POR)	06/21/1995 - Current
LENGTH OF AVAILABLE POR DATA	24.28 Years | 8,868 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.45 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,188.01 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,021 cfs | 5.01 feet | 09/23/2019

Watershed Map

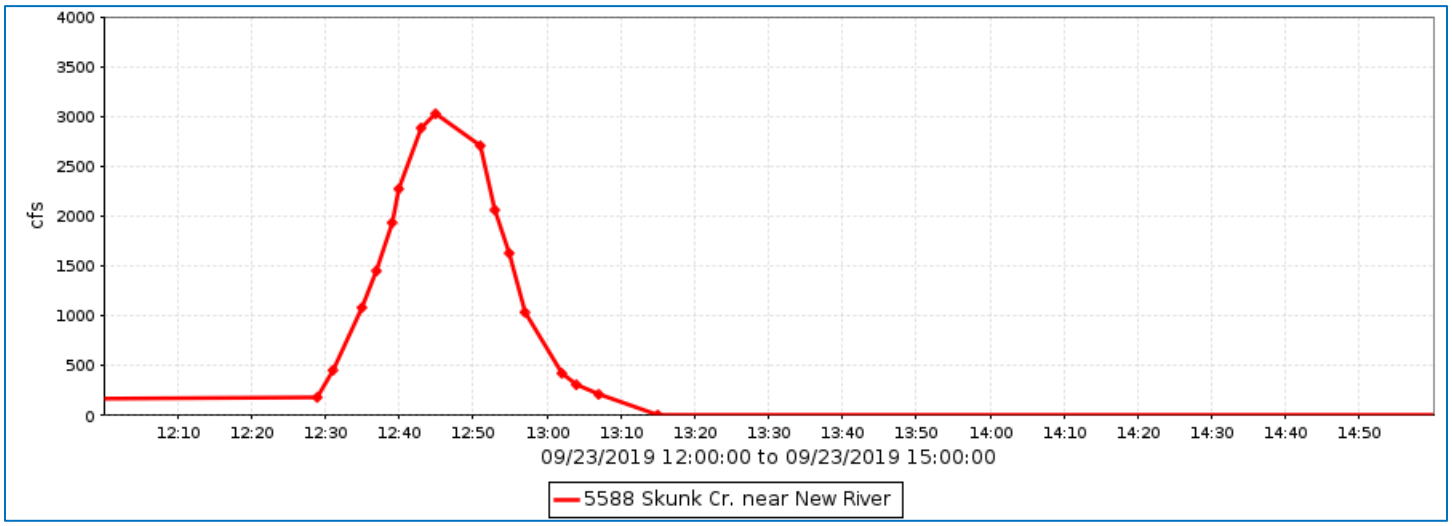




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
09/23/2019	5.01	3,021
09/26/2019	3.24	955

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=25, HEC-WRC computation (based on 25 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
228	**806**	**1,460**	**2,310**	**3,730**	**5,030**

NOTE(1): These results are based on very limited data.

Flood Flow Frequency FEMA					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
		1,730		**2,500**	**3,650**

Skunk Creek near New River, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												42
24												
25												
26												34
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	77
MEAN	0	0	0	0	0	0	0	0	0	0	0	3
MAX	0	0	0	0	0	0	0	0	0	0	0	3021
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	153

WTR YR 2019 TOTAL 77 MEAN 0 MAX 3021 MIN 0 AC_FT 153

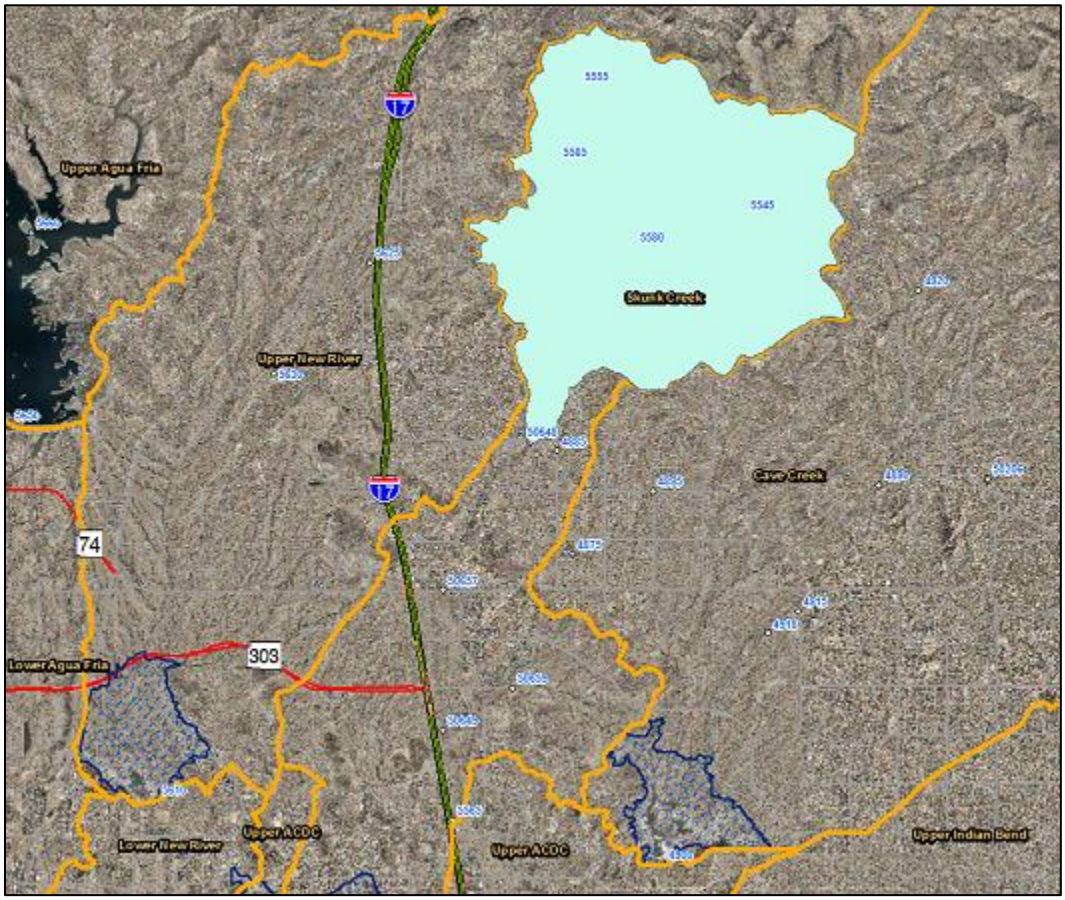
Skunk Creek at Desert Hills Drive, ID #64807

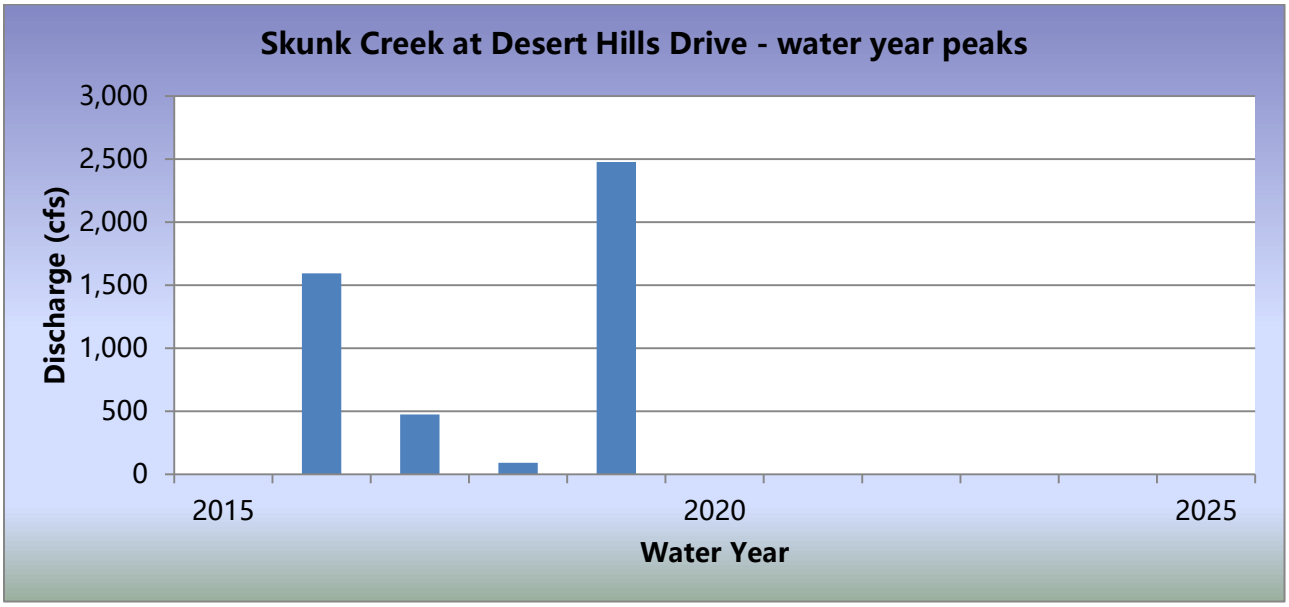


Site Data

LOCATION	Located at approximately 15th Avenue and Desert Hills Drive
DRAINAGE AREA	40.8 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Anthem, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S19 T6N R3E
LATITUDE	N 33° 50' 34.2" | +33.84283
LONGITUDE	W 112° 05' 31.9" | -112.09221
STREAMGAGE INSTALLATION DATE	07/23/2015 - WY 2015
AVAILABLE PERIOD OF RECORD (POR)	07/23/2015 - Current
LENGTH OF AVAILABLE POR DATA	4.19 Years | 1,531 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.10 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,847.67 feet NAVD88
POINT OF ZERO FLOW	0.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,476 cfs | 4.11 feet GH | 09/23/2019

Watershed Map

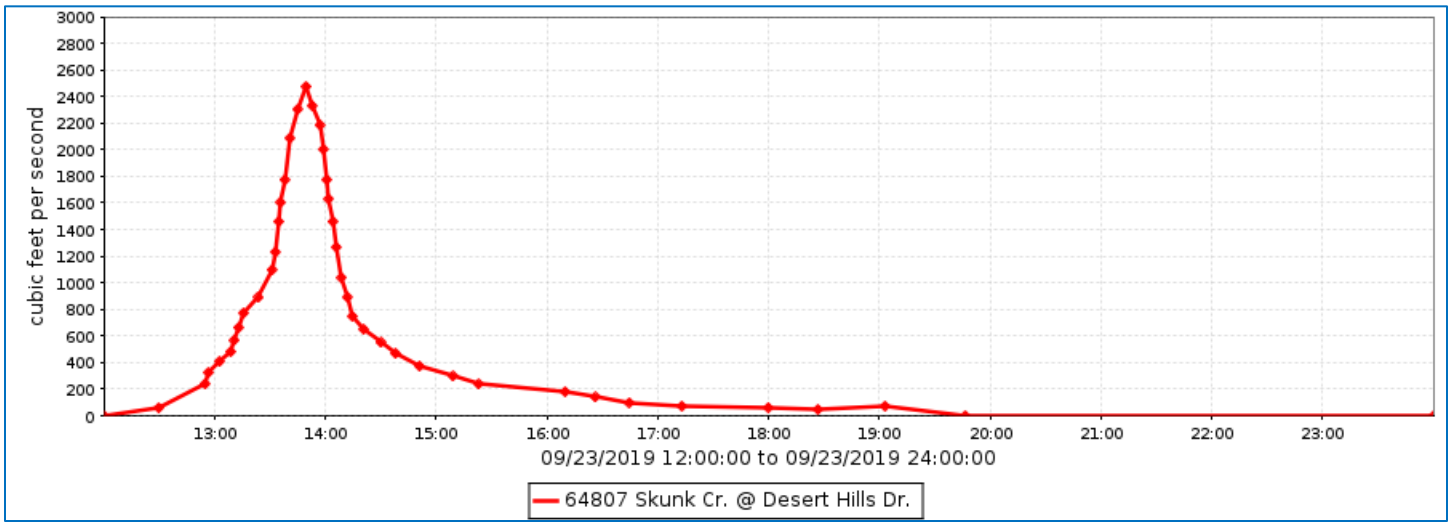




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	1.76	108
09/23/2019	4.11	2,476
09/26/2019	2.99	1,152
09/26/2019	1.34	77

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Skunk Creek at Desert Hills Drive, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	8											
3												
4												
5												
6												
7												
8												
9												
10												
11									19			
12												
13												
14												
15												
16												
17												
18												
19					11							
20												
21												
22												
23												112
24												
25												
26												49
27												5
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	8	0	0	0	11	0	0	0	19	0	0	166
MEAN	0	0	0	0	0	0	0	0	1	0	0	6
MAX	108	0	0	0	46	0	0	0	778	0	0	2476
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	16	0	0	0	23	0	0	0	38	0	0	329

WTR YR 2019 TOTAL 205 MEAN 1 MAX 2476 MIN 0 AC_FT 406

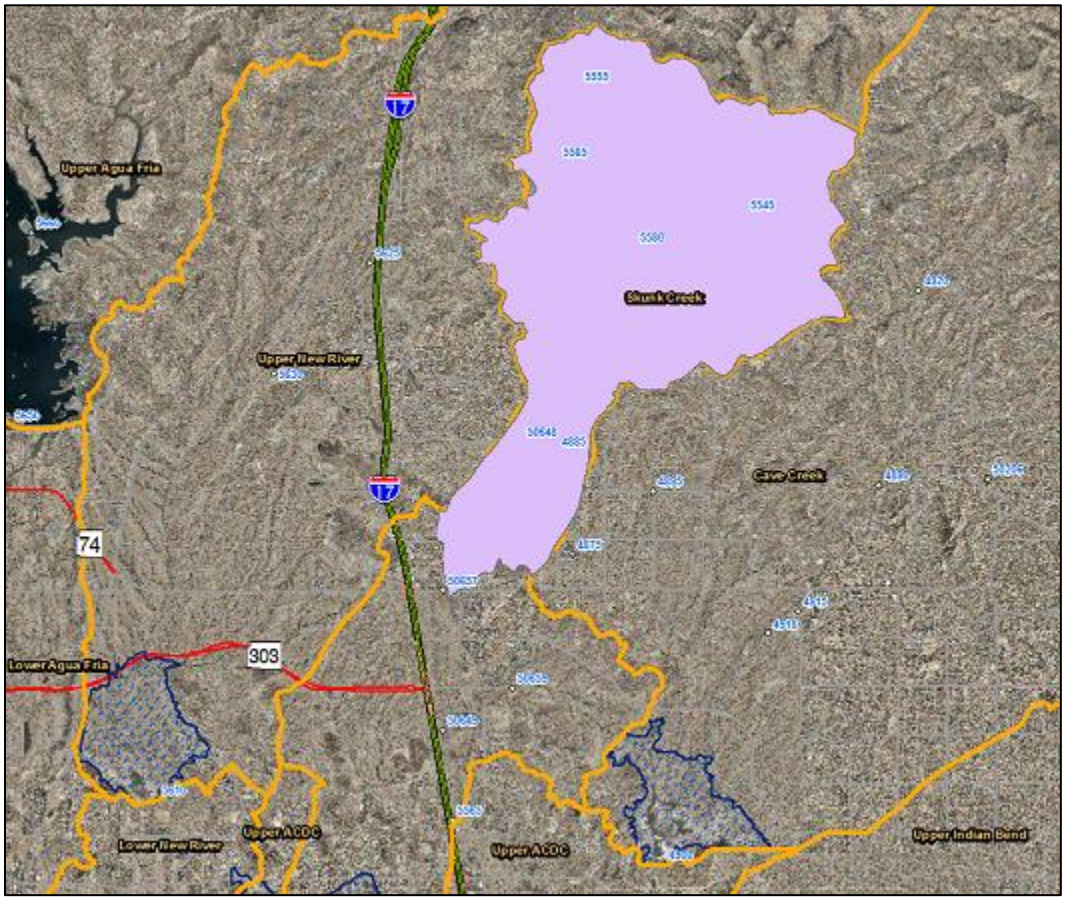
Skunk Creek at Carefree Highway, ID #65707

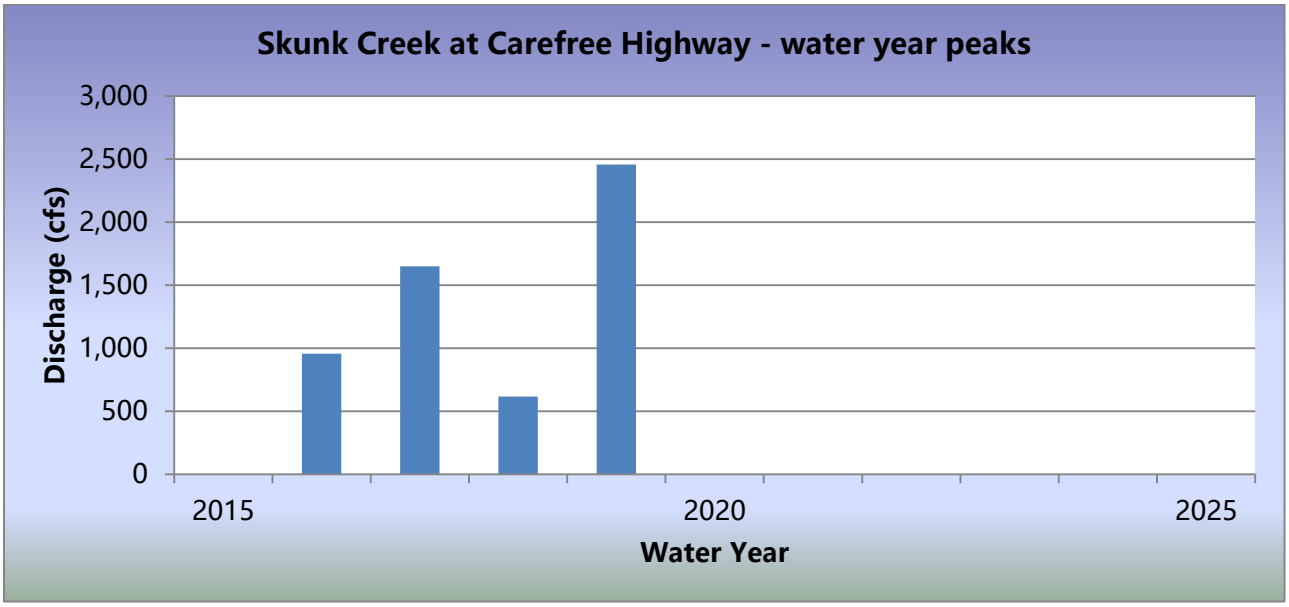


Site Data

LOCATION	Located on the westbound Carefree Highway bridge about 1/4 mile east of I-17
DRAINAGE AREA	48.8 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S02 T5N R2E
LATITUDE	N 33° 47' 54.6" | +33.79849
LONGITUDE	W 112° 07' 23.1" | -112.12309
STREAMGAGE INSTALLATION DATE	08/19/2015 - WY 2015
AVAILABLE PERIOD OF RECORD (POR)	08/19/2015 - Current
LENGTH OF AVAILABLE POR DATA	4.12 Years | 1,504 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.49 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,672.86 feet NAVD88
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,455 cfs | 4.55 feet GH | 09/23/2019

Watershed Map

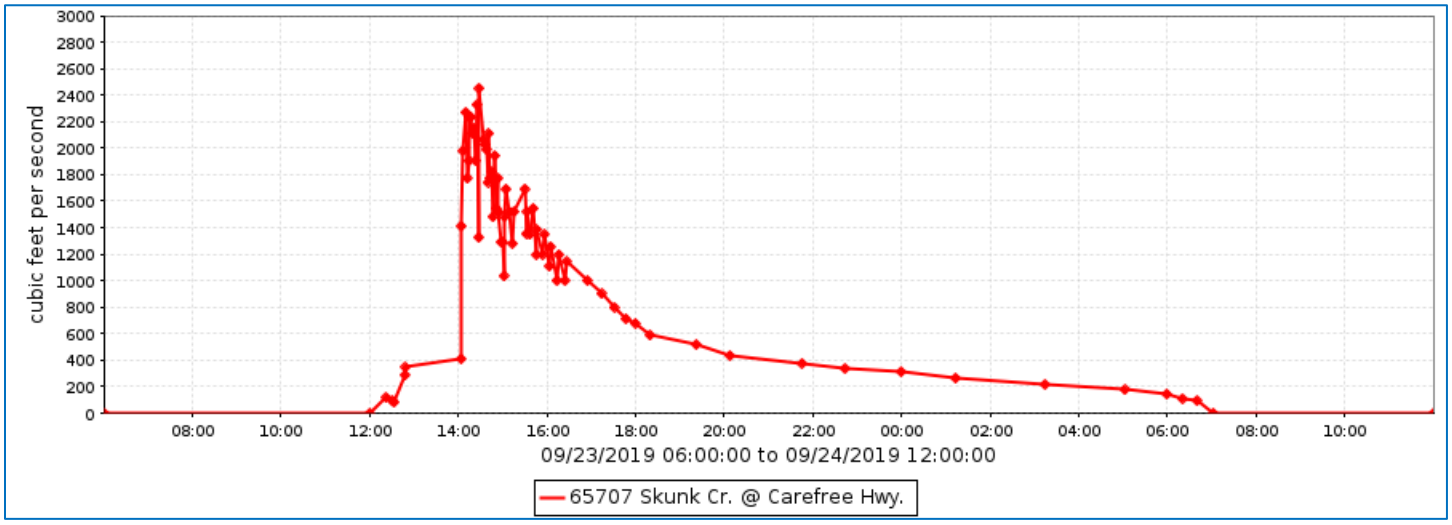




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	3.83	1,320
10/03/2018	2.54	364
10/07/2018	2.51	353
10/13/2018	2.54	364
02/06/2019	2.39	313
02/21/2019	2.46	336
09/23/2019	4.55	2,455
09/26/2019	4.13	1,740

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Skunk Creek at Carefree Highway, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	111											
3	54											
4												
5												
6					15							
7	30											
8												
9												
10												
11												
12												
13	26											
14	11											
15												
16												
17												
18												
19												
20												
21					22							
22					57							
23												135
24												18
25												
26												46
27												36
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	231	0	0	0	94	0	0	0	0	0	0	234
MEAN	7	0	0	0	3	0	0	0	0	0	0	8
MAX	574	0	0	0	87	0	0	0	0	0	0	1141
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	458	0	0	0	186	0	0	0	0	0	0	465

WTR YR 2019 TOTAL 559 MEAN 2 MAX 1141 MIN 0 AC_FT 1109

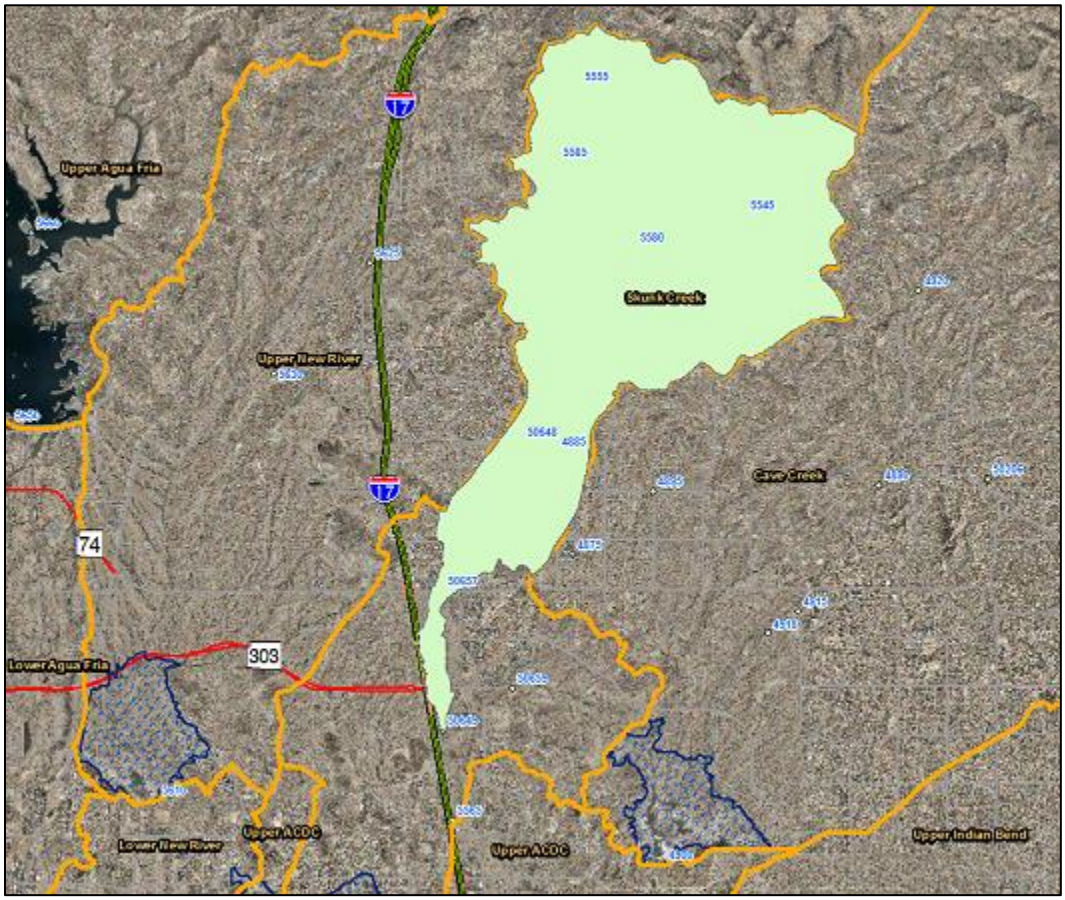
Skunk Creek at Dixileta Drive, ID #64907

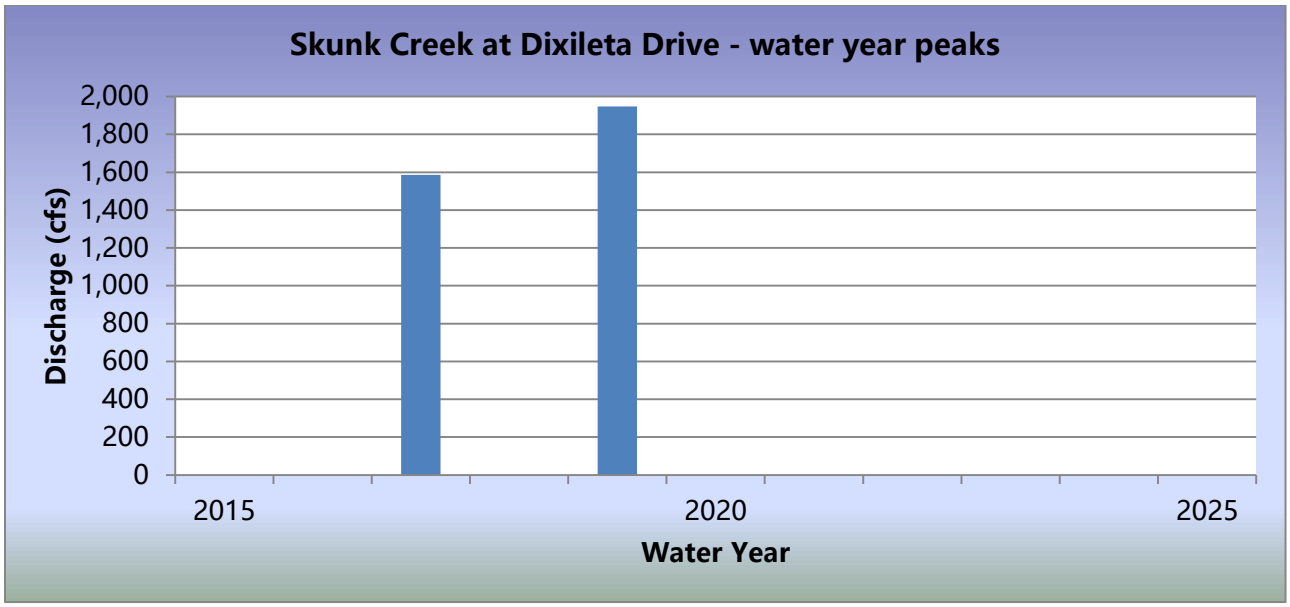


Site Data

LOCATION	Located on Dixileta Drive about 1/4 mile east of I-17
DRAINAGE AREA	50 mi2
STREAM TYPE	Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S23 T5N R2E
LATITUDE	N 33° 45' 24.3" | +33.75676
LONGITUDE	W 112° 07' 20.0" | -112.12222
STREAMGAGE INSTALLATION DATE	01/11/2016 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	01/11/2016 - Current
LENGTH OF AVAILABLE POR DATA	3.72 Years | 1,359 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.20 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,543.52 feet NAVD88
POINT OF ZERO FLOW	0.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,947 cfs | 4.84 feet GH | 09/23/2019

Watershed Map

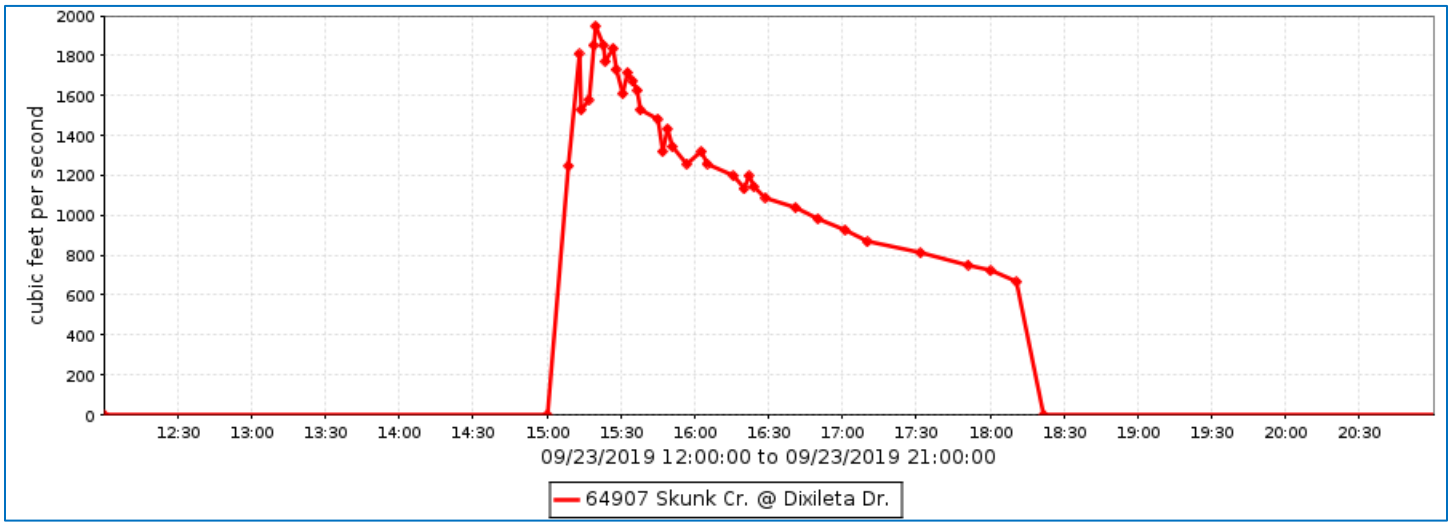




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
09/23/2019	4.84	1,947
09/26/2019	2.84	889

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Skunk Creek at Dixileta Drive, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												148
24												
25												
26												29
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	177
MEAN	0	0	0	0	0	0	0	0	0	0	0	6
MAX	0	0	0	0	0	0	0	0	0	0	0	1947
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	350

WTR YR 2019 TOTAL 177 MEAN 0 MAX 1947 MIN 0 AC_FT 350

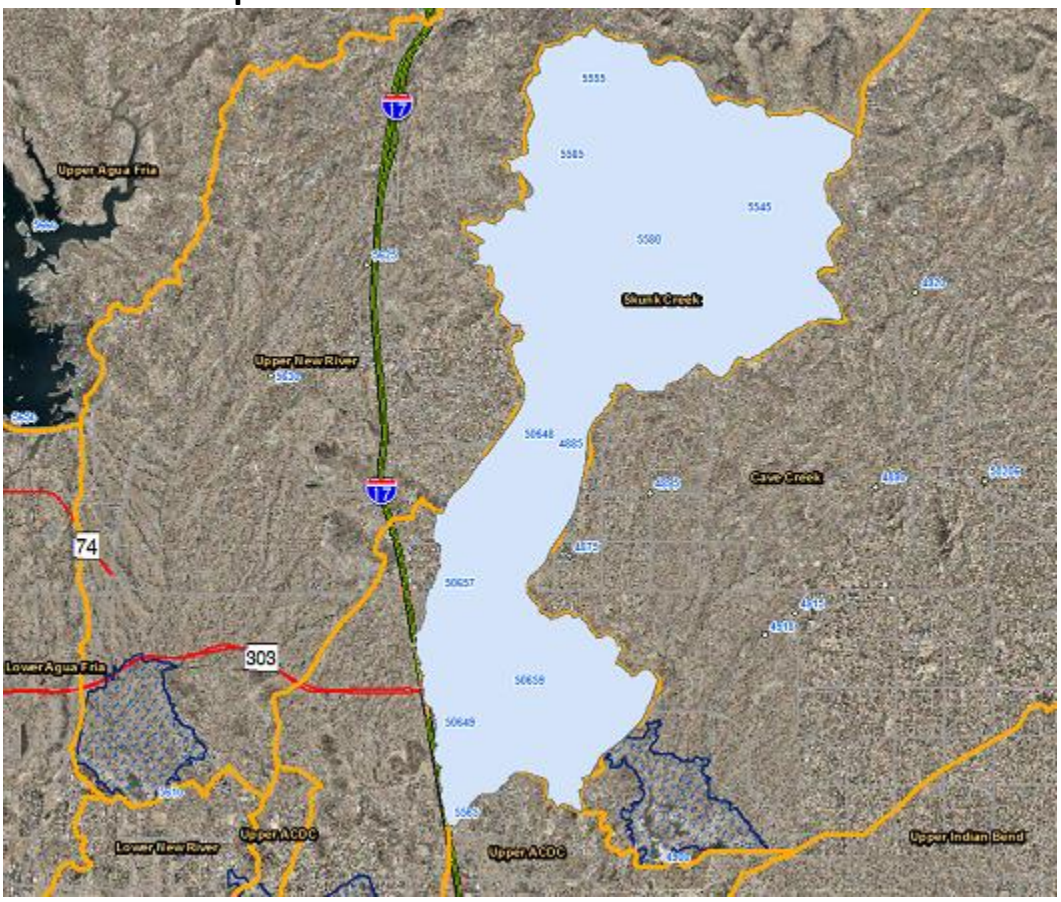
Skunk Creek at I-17, ID #5568

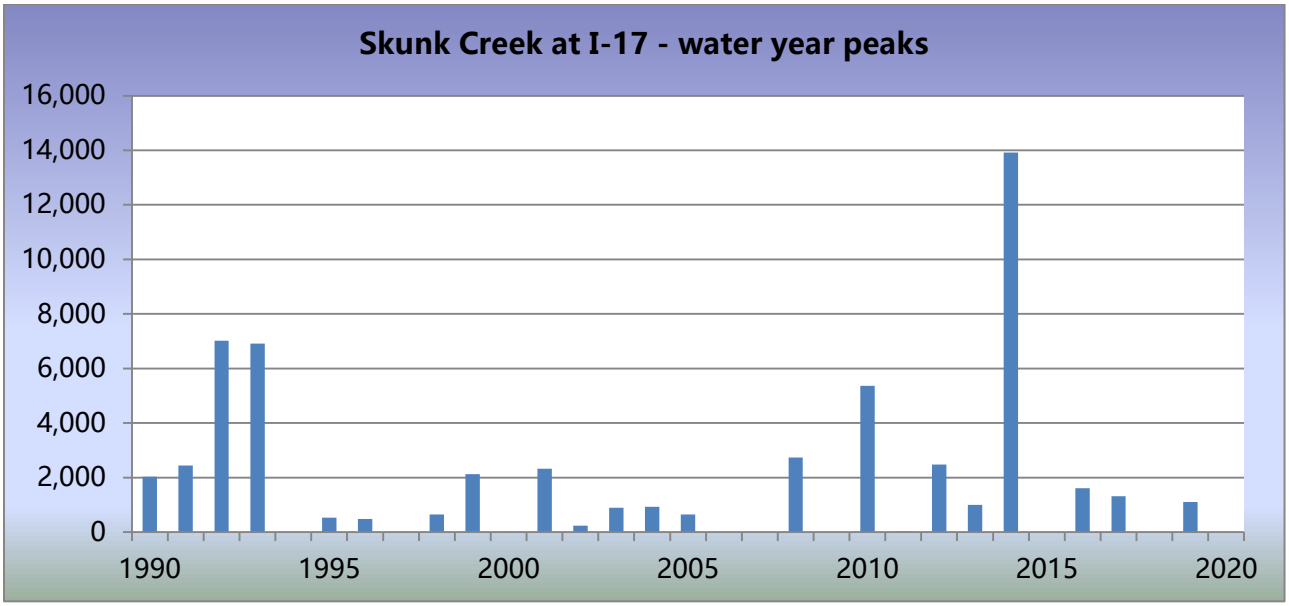


Site Data

LOCATION	Located south of Jomax Road on I-17
DRAINAGE AREA	64.7 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S35 T5N R2E
LATITUDE	N 33° 43' 48.3" | +33.73007
LONGITUDE	W 112° 07' 11.1" | -112.11976
STREAMGAGE INSTALLATION DATE	10/26/1989 - WY 1990
AVAILABLE PERIOD OF RECORD (POR)	08/11/1990 - Current
LENGTH OF AVAILABLE POR DATA	29.14 Years | 10,643 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.23 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	4
ZERO GAGE HEIGHT ELEVATION	1,473.97 feet NAVD88
POINT OF ZERO FLOW	1.0 feet gage height
EXTREME FOR PERIOD OF RECORD	13,900 cfs | 6.80 feet | 08/19/2014
EXTREME OUTSIDE PERIOD OF RECORD	11,500 cfs | 10.48 feet | 08/01/1964

Watershed Map

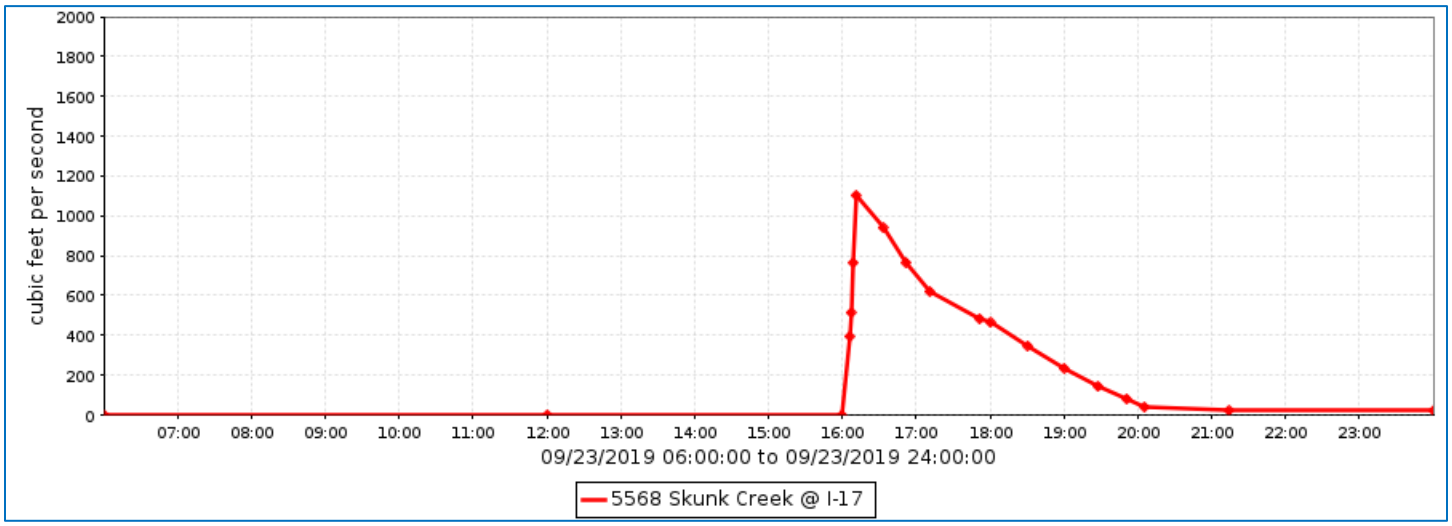




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.90	235
09/23/2019	2.67	1,104

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=60, HEC-WRC computation (based on 60 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
853	**3,590**	**6,880**	**11,200**	**18,500**	**25,100**

NOTE(1): These results are based on available data.

Skunk Creek at I-17, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	197											
3												
4									87			
5												
6		43										
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												225
24												61
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	197	43	0	0	0	0	0	0	87	0	0	286
MEAN	6	1	0	0	0	0	0	0	3	0	0	10
MAX	689	173	0	0	0	0	0	0	173	0	0	1835
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	390	86	0	0	0	0	0	0	172	0	0	566

WTR YR 2019 TOTAL 612 MEAN 2 MAX 1835 MIN 0 AC_FT 1214

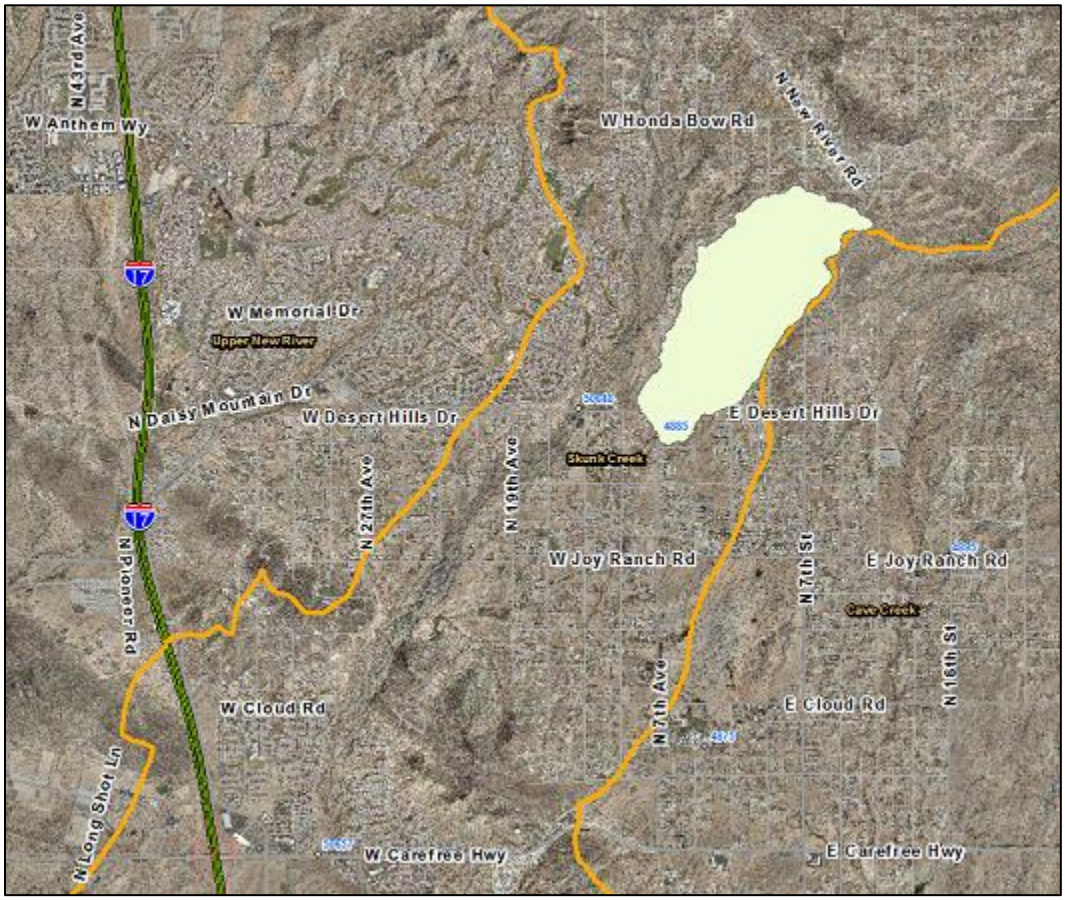
Skunk Tank Wash, ID #4888

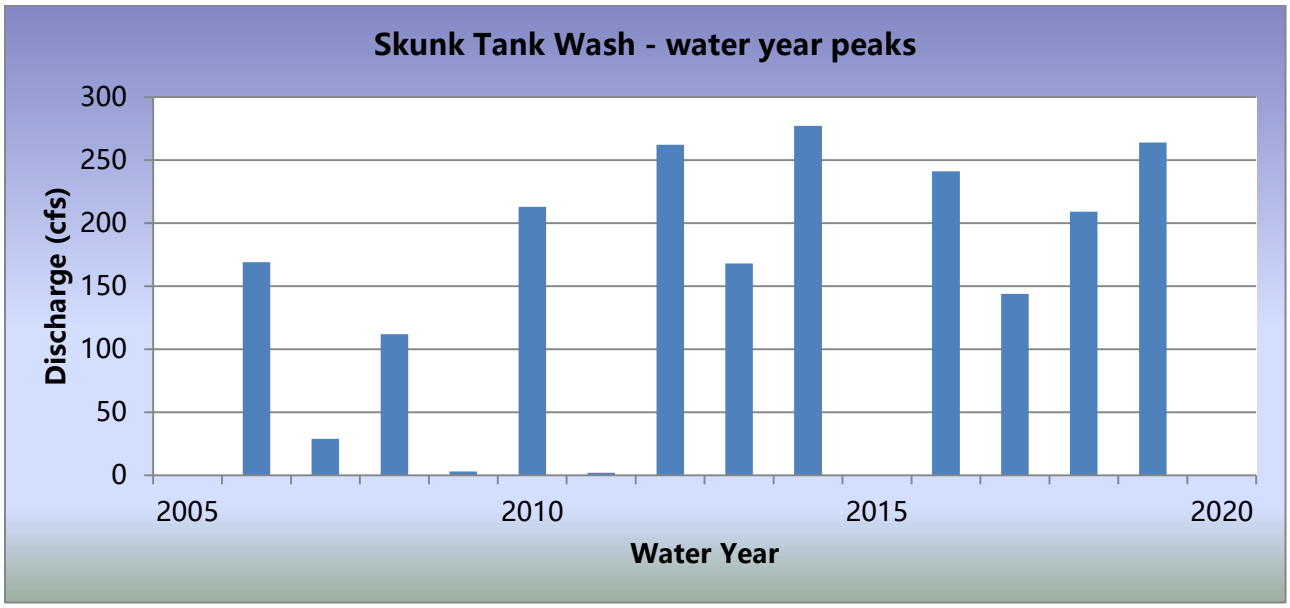


Site Data

LOCATION	Located on 7th Avenue about 1/4 mile south of Desert Hills Drive
DRAINAGE AREA	1.5 mi^2
STREAM TYPE	Culvert on natural stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S29 T6N R3E
LATITUDE	N 33° 50' 23.8" | +33.83995
LONGITUDE	W 112° 04' 57.8" | -112.08271
STREAMGAGE INSTALLATION DATE	03/02/2006 - WY 2006
AVAILABLE PERIOD OF RECORD (POR)	03/02/2006 - Current
LENGTH OF AVAILABLE POR DATA	13.58 Years | 4,961 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,854.82 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	277 cfs | 7.20 feet | 08/19/2014

Watershed Map

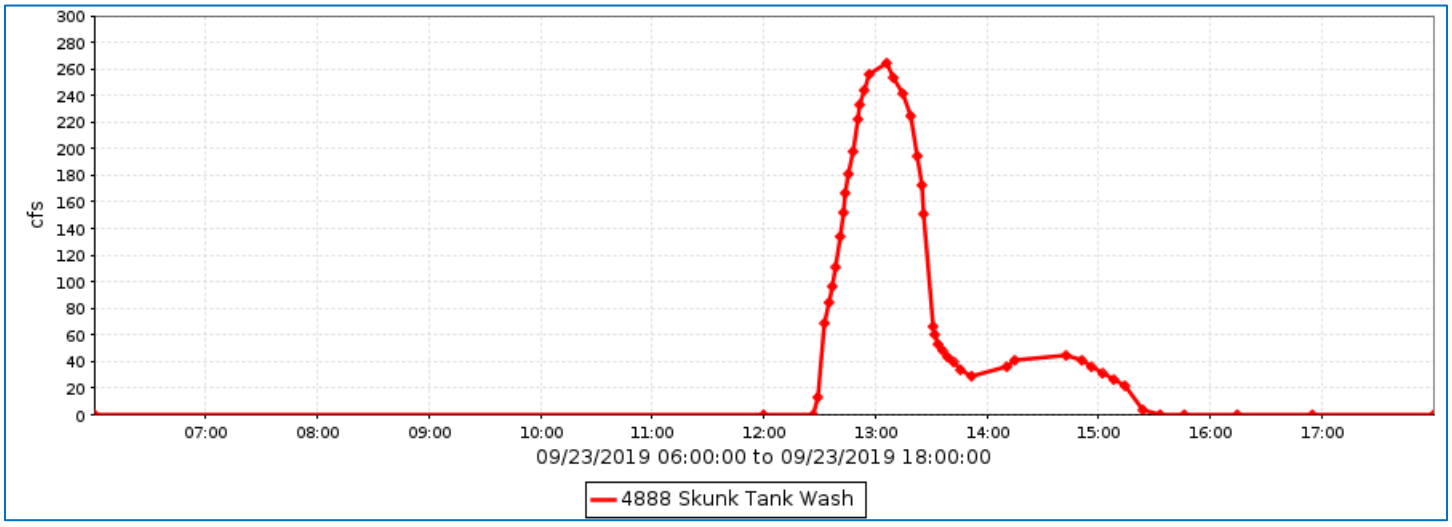




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	3.28	77
10/03/2018	2.11	42
10/07/2018	1.57	25
10/13/2018	1.57	25
02/05/2019	1.96	38
09/23/2019	6.99	264
09/26/2019	1.67	28

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=14, HEC-WRC computation (based on 14 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
79	**342**	**674**	**1,130**	**1,920**	**2,670**

Skunk Tank Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	5											
3	1											
4												
5					1							
6					1							
7	2											
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												11
24												
25												
26												1
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	8	0	0	0	2	0	0	0	0	0	0	12
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	77	0	0	0	38	0	0	0	0	1	0	264
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	16	0	0	0	4	0	0	0	0	0	0	24

WTR YR 2019 TOTAL 22 MEAN 0 MAX 264 MIN 0 AC_FT 44

Sols Wash at SR71, ID #5276

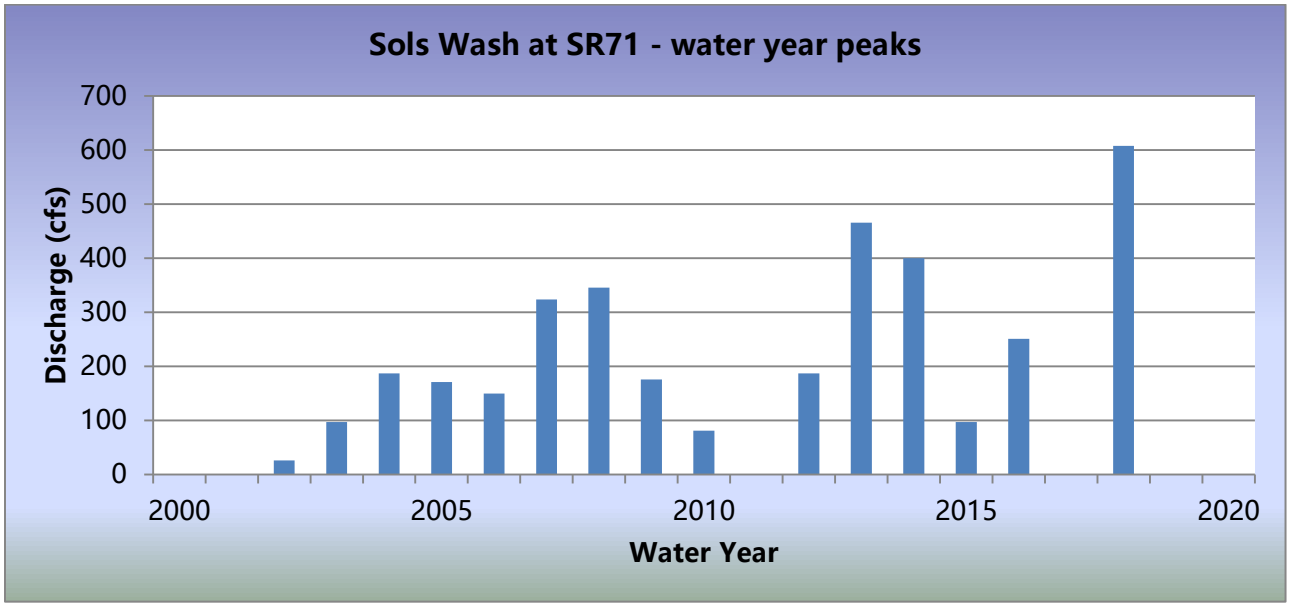


Site Data

LOCATION	Located 1/2 mile west of US93 on SR71
DRAINAGE AREA	0.89 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S14 T9N R7W
LATITUDE	N 34° 07' 06.7" | +34.11853
LONGITUDE	W 112° 57' 45.8" | -112.96272
STREAMGAGE INSTALLATION DATE	09/12/2001 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	09/12/2001 - Current
LENGTH OF AVAILABLE POR DATA	18.05 Years | 6,593 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.30 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,737.74 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	608 cfs | 2.59 feet | 06/16/2018

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
None		

Hydrograph of peak WY 2019 flow event,

No runoff recorded during Water Year 2019

Flood Flow Frequency

Flood Flow Frequency N=18, HEC-WRC computation (based on 18 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
156	**336**	**481**	**632**	**839**	**1,000**

NOTE: These results are based on very limited data.

Sols Wash at SR71, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												---
8												---
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26	---						---					
27	---						---					
28	---						---					
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Sols Tributary at US93, ID #7028

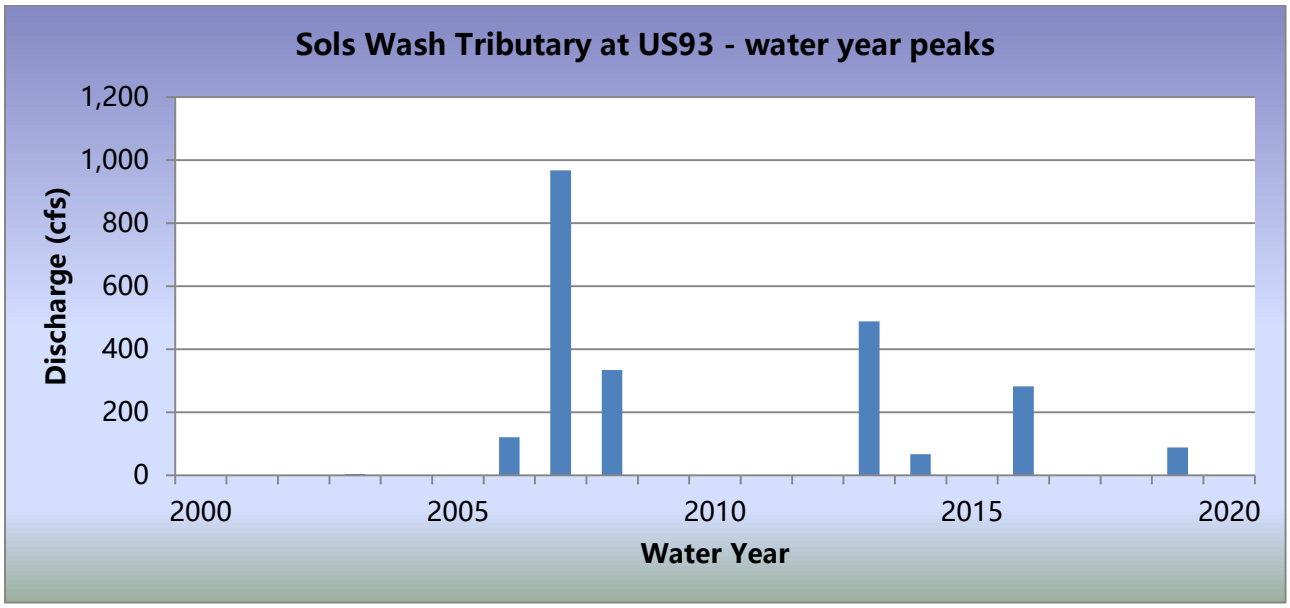


Site Data

LOCATION	Located west of US93 near mile post 191
DRAINAGE AREA	0.15 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S11 T8N R6W
LATITUDE	N 34° 03' 06.8" | +34.05187
LONGITUDE	W 112° 51' 01.1" | -112.85030
STREAMGAGE INSTALLATION DATE	01/30/2002 - WY 2002
AVAILABLE PERIOD OF RECORD (POR)	01/30/2002 - Current
LENGTH OF AVAILABLE POR DATA	17.67 Years | 6,453 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.07 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,576.30 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	967 cfs | 3.40 feet | 07/25/2007

Watershed Map

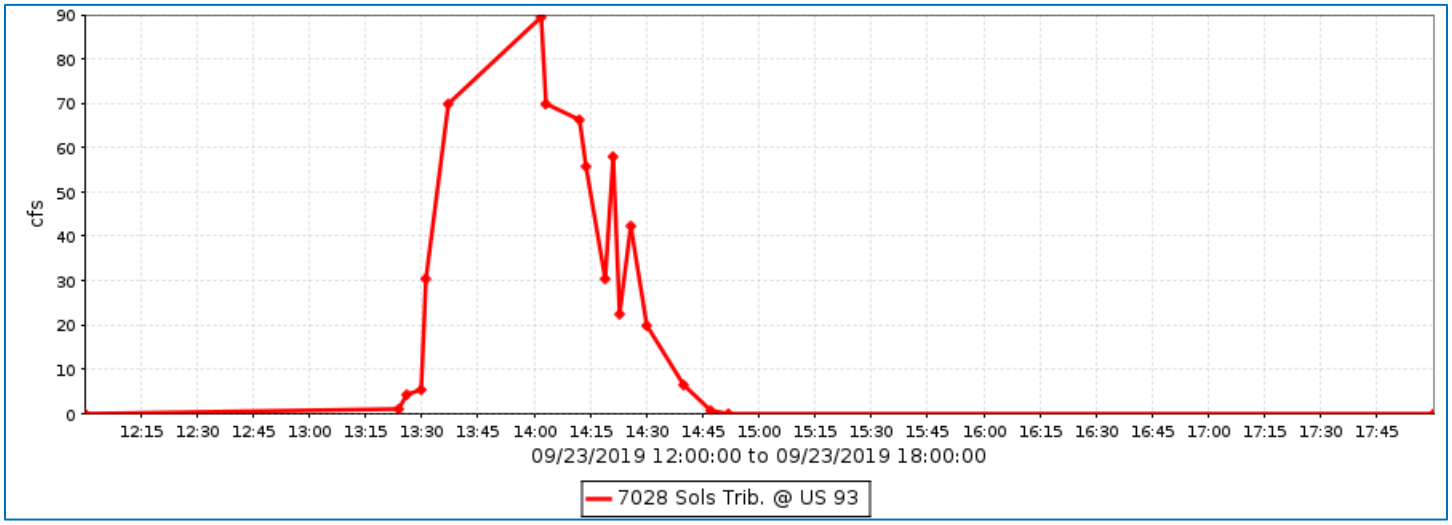




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
09/23/2019	1.11	89

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Sols Tributary near US93, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												3
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	3
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	89
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	5

WTR YR 2019 TOTAL 3 MEAN 0 MAX 89 MIN 0 AC_FT 5

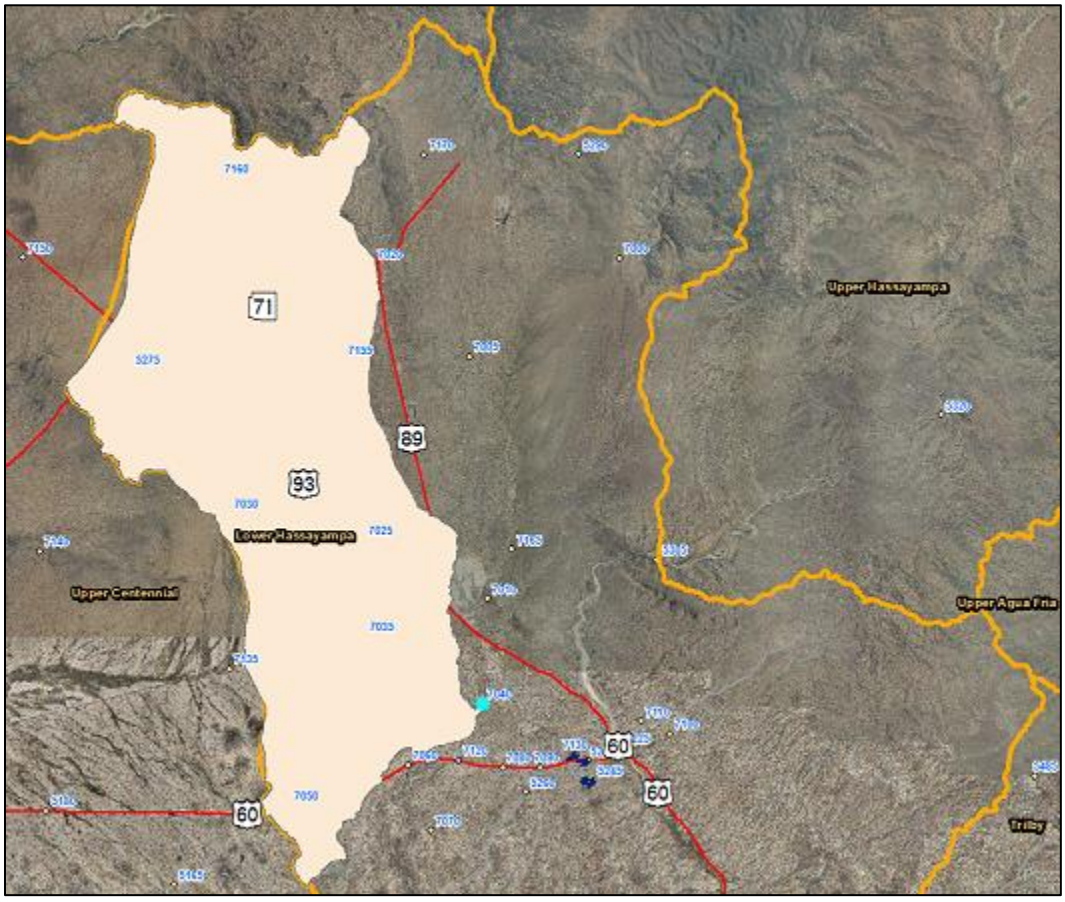
Sols Wash near Matthie, ID #7043

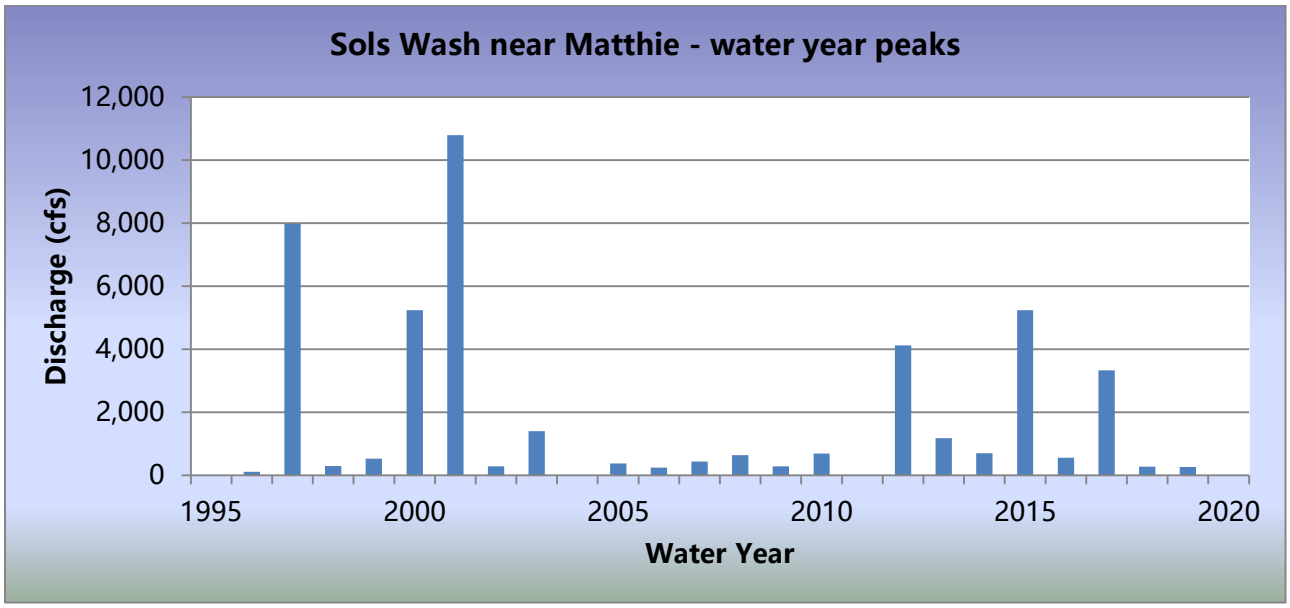


Site Data

LOCATION	Located along the railroad about 1 mile west of Vulture Mine Road
DRAINAGE AREA	121 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S32 T8N R5W
LATITUDE	N 33° 59' 14.8" | +33.98743
LONGITUDE	W 112° 47' 34.7" | -112.79296
STREAMGAGE INSTALLATION DATE	08/04/1995 - WY 1995
AVAILABLE PERIOD OF RECORD (POR)	08/04/1995 - Current
LENGTH OF AVAILABLE POR DATA	24.16 Years | 8,824 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.36 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,230.54 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	10,792 cfs | 5.15 feet | 10/21/2000

Watershed Map

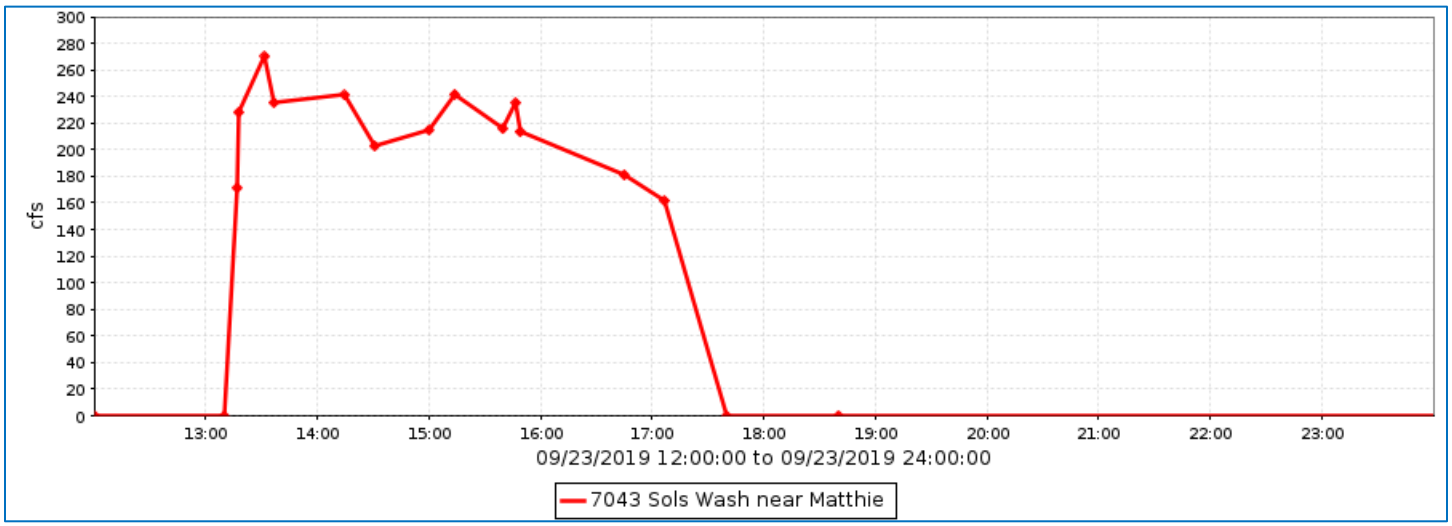




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
09/23/2019	1.18	270

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

Flood Flow Frequency N=25, HEC-WRC computation (based on 25 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
645	**2,160**	**4,200**	**7,410**	**14,300**	**22,400**

NOTE: These results are based on limited data.

Sols Wash near Matthie, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---			
2			---						---			
3		---										
4		---										
5		---										
6		---										
7		---										
8		---										
9		12										
10		12										
11		---										
12		---										
13		---										
14		---										
15		---			---							
16		---			---							
17		---			---							
18		---			---							
19		---										
20		---										
21		---										
22		---										
23		---										39
24		---										
25		---										
26	---	---										
27	---	21										
28	---	---	---									
29			---		---							
30					---							
31		---			---		---	---	---			---
TOTAL	0	46	0	0	0	0	0	0	0	0	0	39
MEAN	0	2	0	0	0	0	0	0	0	0	0	1
MAX	0	88	0	0	0	0	0	0	0	0	0	270
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	90	0	0	0	0	0	0	0	0	0	77

WTR YR 2019 TOTAL 84 MEAN 0 MAX 270 MIN 0 AC_FT 168

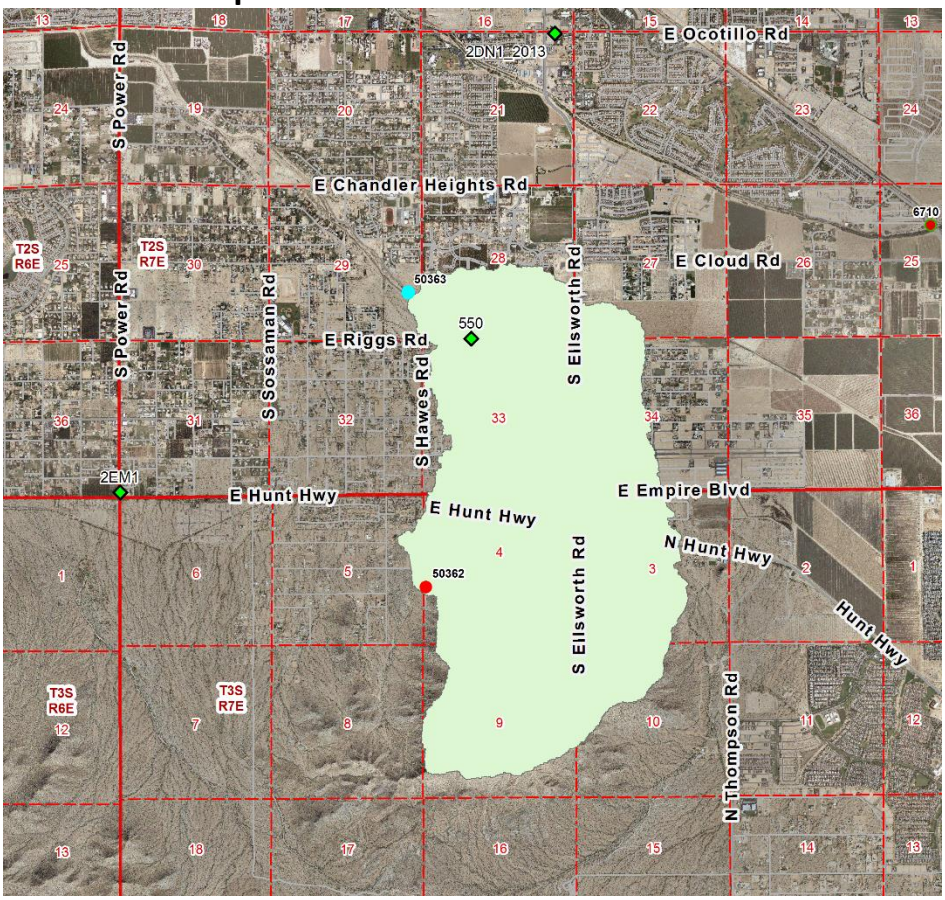
Sonoqui Wash near Hawes Road, ID #36307

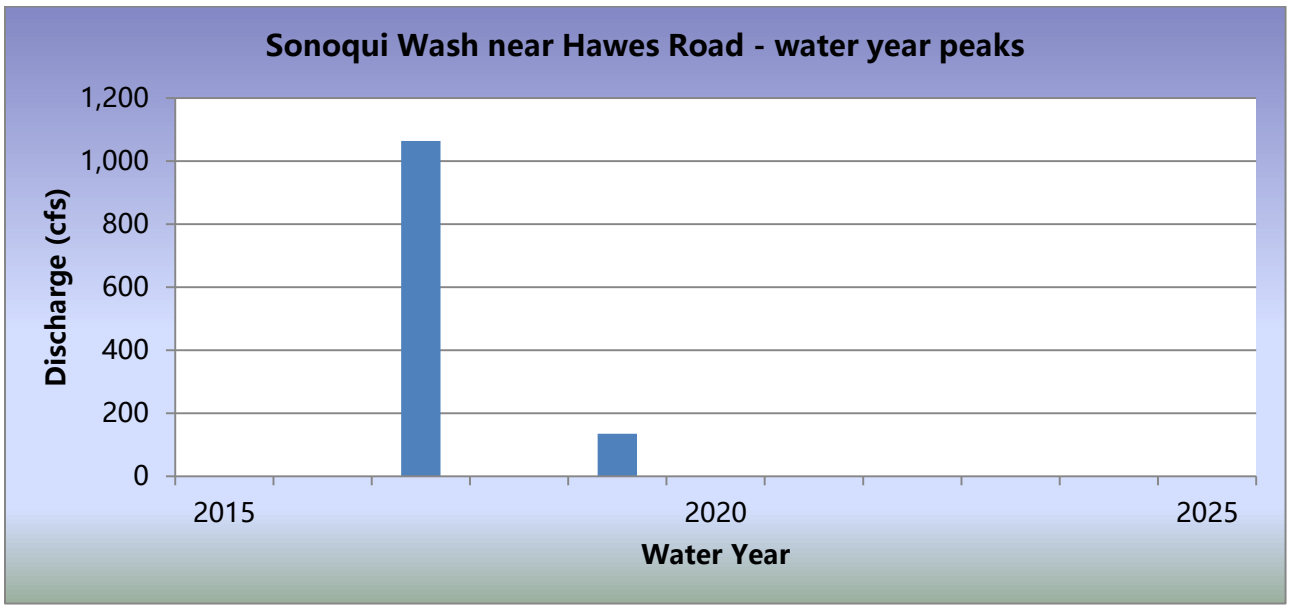


Site Data

LOCATION	Located near Hawes and Riggs Roads
DRAINAGE AREA	15.0 mi^2
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Queen Creek, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S29 T2S R7E
LATITUDE	N 33° 13' 26.5" | +33.22402
LONGITUDE	W 111° 39' 11.8" | -111.65327
STREAMGAGE INSTALLATION DATE	12/21/2016 - WY 2017
AVAILABLE PERIOD OF RECORD (POR)	12/21/2016 - Current
LENGTH OF AVAILABLE POR DATA	2.78 Years | 1,014 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.40 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,373.00 NAVD88
POINT OF ZERO FLOW	0.8 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,064 cfs | 5.29 feet Gage Height | 07/24/2016

Watershed Map

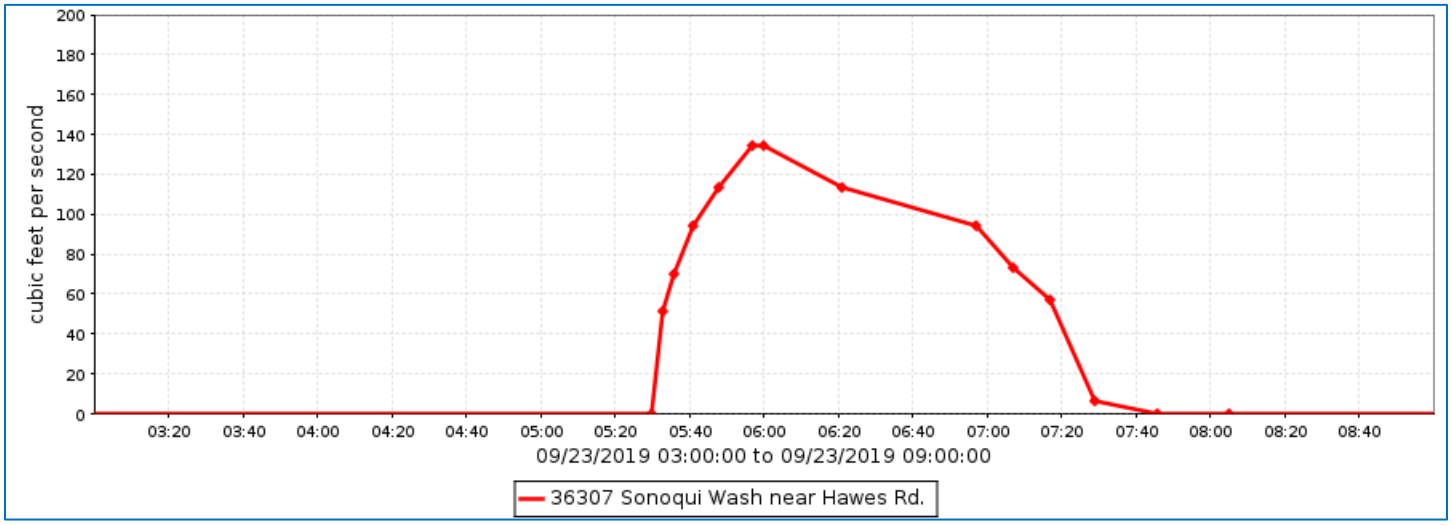




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
02/21/2019	2.27	118
09/23/2019	2.37	135

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Siphon Draw Wash at Signal Butte Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21					13							
22												
23												8
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	13	0	0	0	0	0	0	8
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	118	0	0	0	0	0	0	135
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	26	0	0	0	0	0	0	16

WTR YR 2019 TOTAL 22 MEAN 0 MAX 135 MIN 0 AC_FT 43

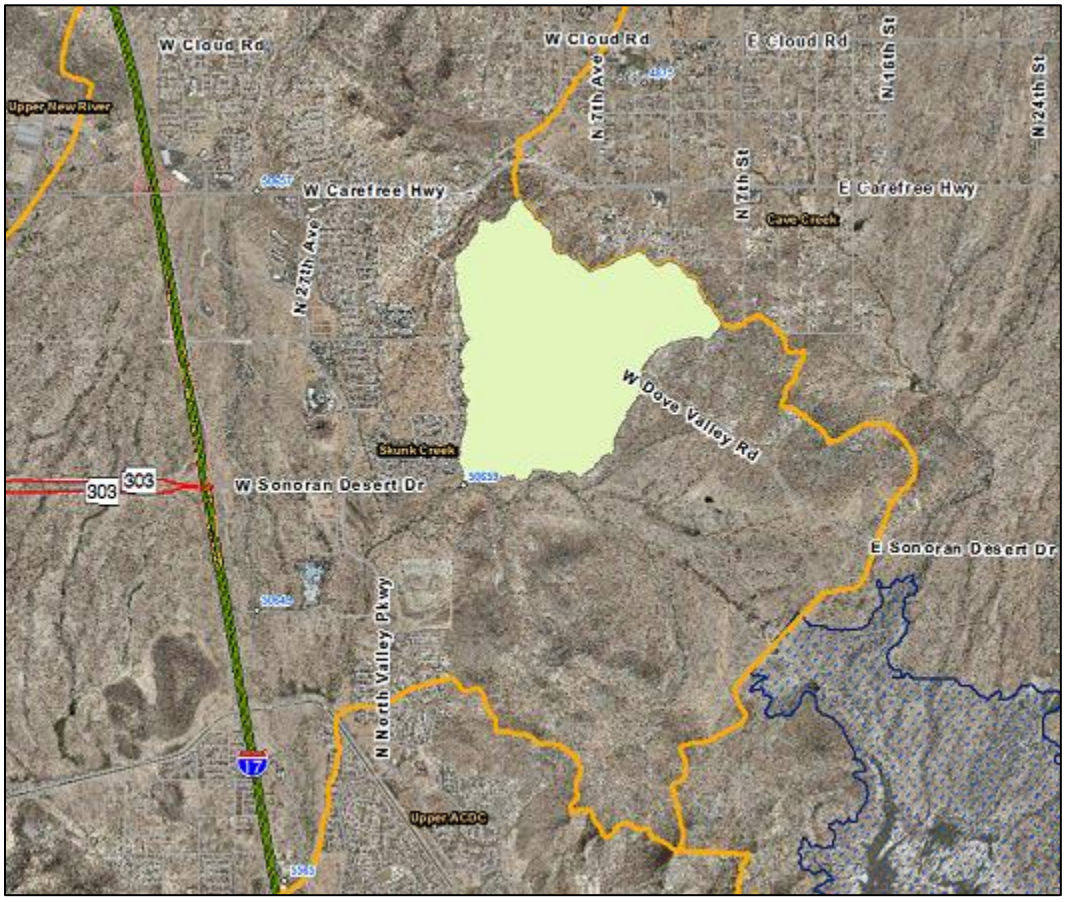
Sonoran Wash, ID #65907

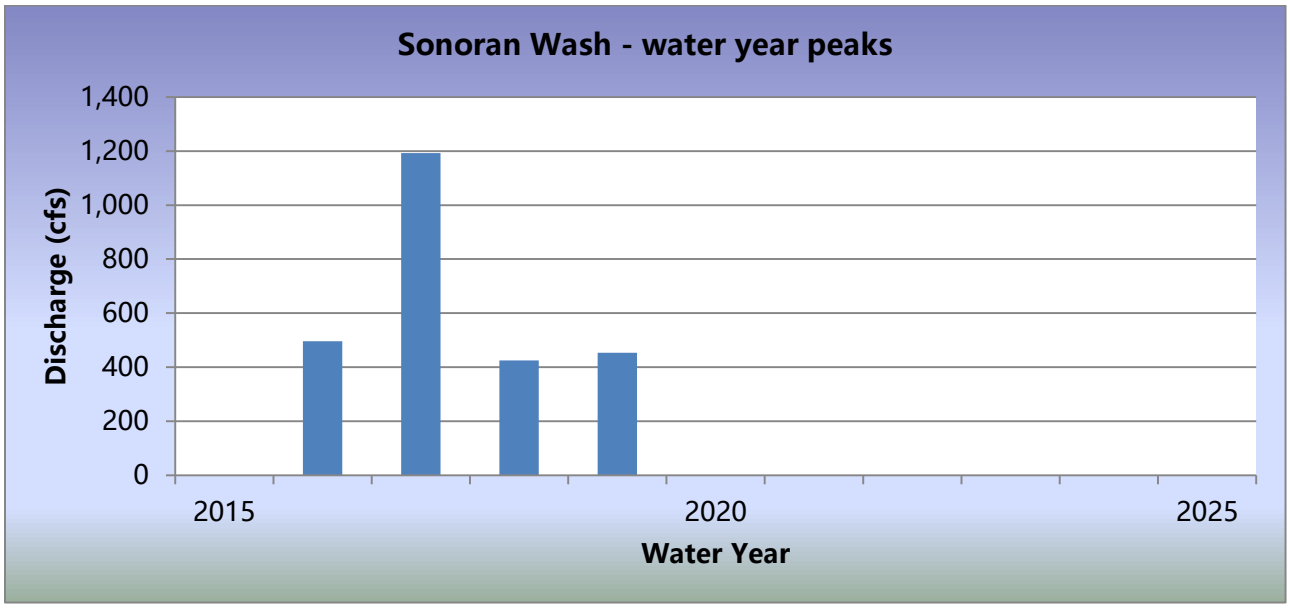


Site Data

LOCATION	Located southeast of Paloma Pkwy and Sonoran Desert Drive
DRAINAGE AREA	7.81 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S19 T5N R3E
LATITUDE	N 33° 46' 09.3" | +33.76925
LONGITUDE	W 112° 05' 55.6" | -112.09878
STREAMGAGE INSTALLATION DATE	10/13/2015 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	10/13/2015 - Current
LENGTH OF AVAILABLE POR DATA	3.97 Years | 1,449 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.34 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,574.85 feet NAVD88
POINT OF ZERO FLOW	0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,192 cfs | 4.30 feet GH | 12/22/2016

Watershed Map

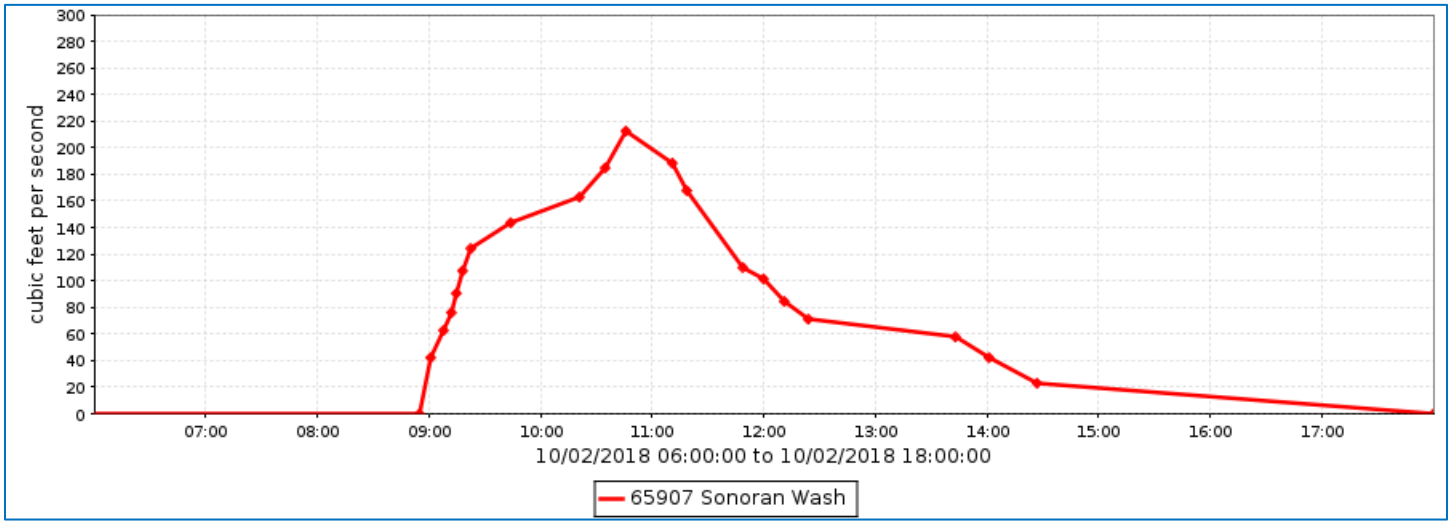




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	2.71	454
10/07/2018	1.53	113

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Sonoran Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	29											
3												
4												
5												
6												
7	8											
8												
9												
10												
11												
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22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	37	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	213	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	73	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 37 MEAN 0 MAX 213 MIN 0 AC_FT 73

South Mountain Fan, ID #6563

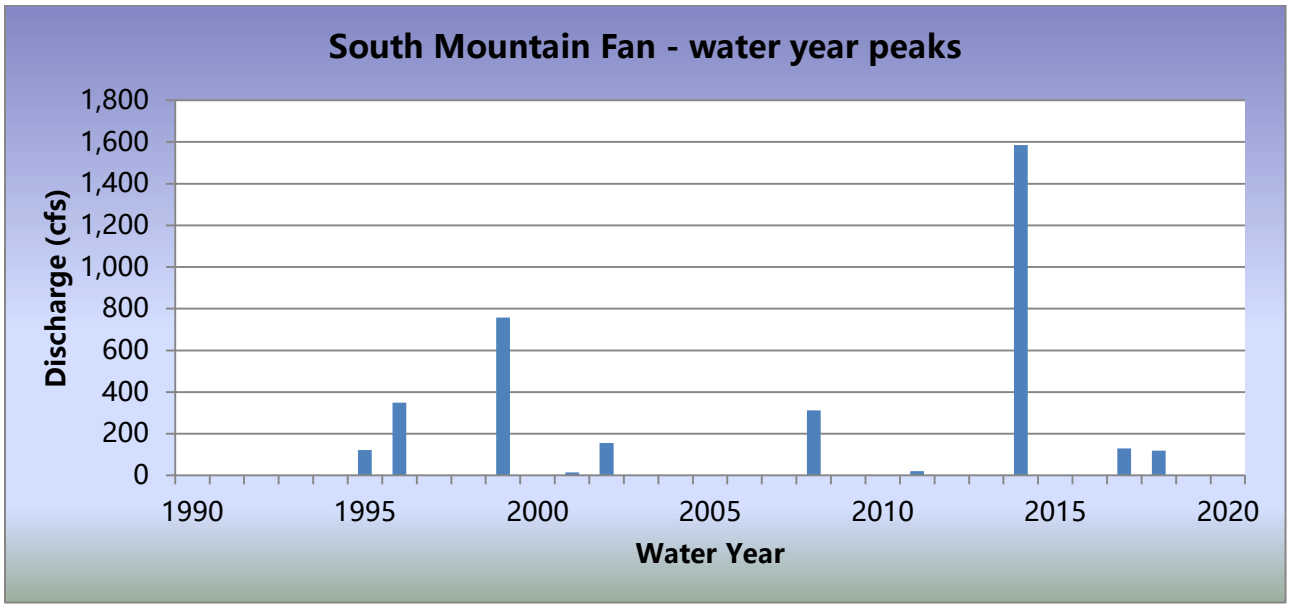


Site Data

LOCATION	Located in the western part of South Mountain Park
DRAINAGE AREA	2.1 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Middle Gila
SECTION/TOWNSHIP/RANGE	S26 T1S R2E
LATITUDE	N 33° 18' 54.7" | +33.31518
LONGITUDE	W 112° 08' 01.3" | -112.13369
STREAMGAGE INSTALLATION DATE	06/09/1993 - WY 1993
AVAILABLE PERIOD OF RECORD (POR)	06/09/1993 - Current
LENGTH OF AVAILABLE POR DATA	26.31 Years | 9,610 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.05 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,276.61 feet NAVD88
POINT OF ZERO FLOW	0.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,586 cfs | 3.85 feet | 08/12/2014

Watershed Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
None		

Hydrograph of peak WY 2019 flow event,

No recorded flow during Water Year 2019

Flood Flow Frequency

Flood Flow Frequency HEC-1 Analysis					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
300	**650**	**990**	**1,500**	**2,000**	**2,400**

South Mountain Fan, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
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17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

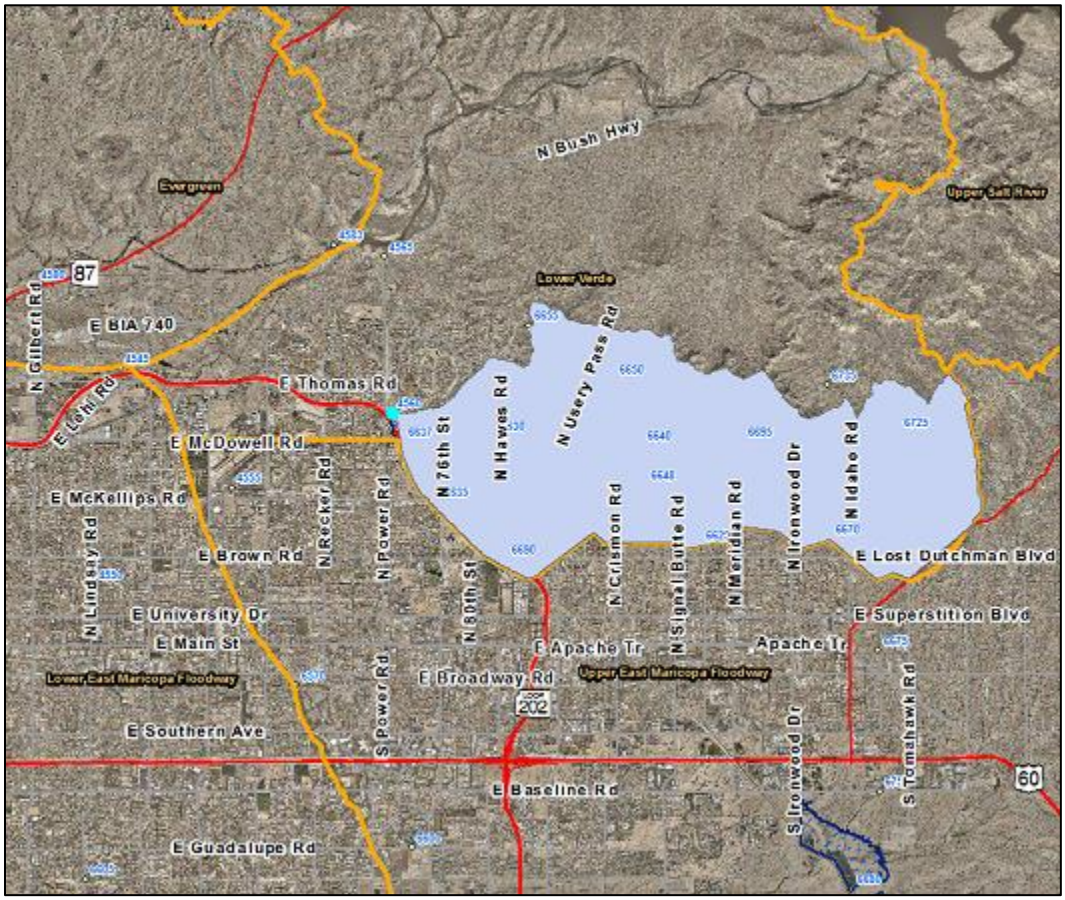
Spookhill FRS, ID #4563

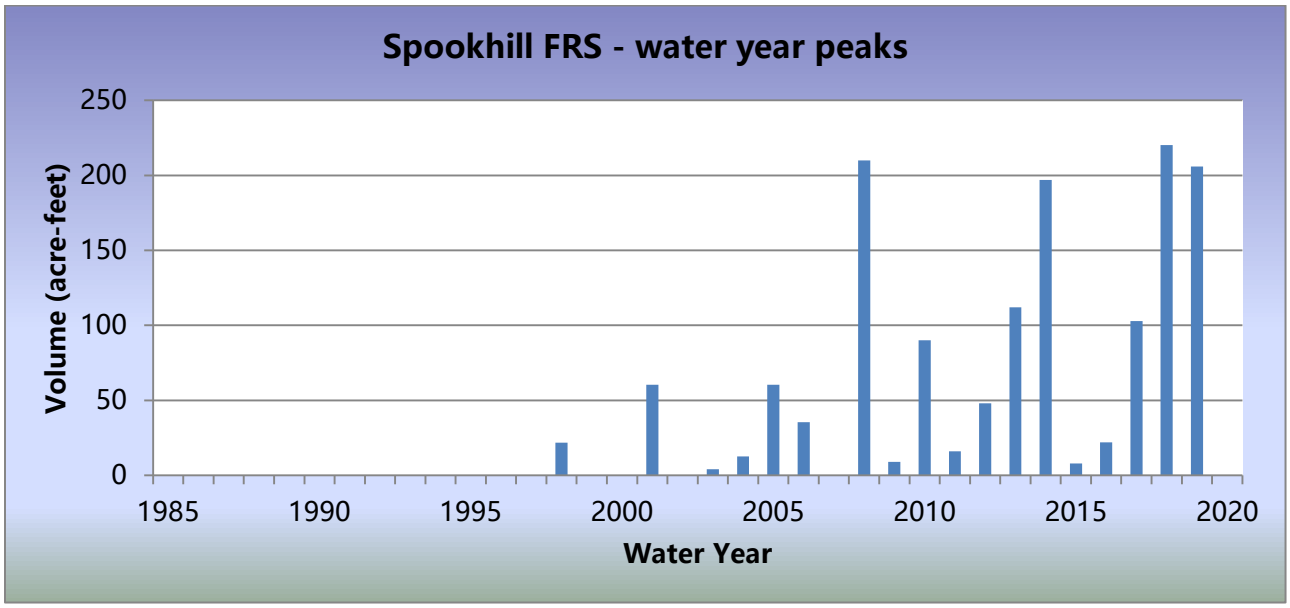


Site Data

LOCATION	Located near Loop 202 and Power Road
DRAINAGE AREA	13.6 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S31 T2N R7E
LATITUDE	N 33° 28' 23.0" | +33.47305
LONGITUDE	W 111° 40' 52.7" | -111.68131
STREAMGAGE INSTALLATION DATE	03/13/1984 - WY 1984
AVAILABLE POR	12/30/1987 - Current
LENGTH OF AVAILABLE POR DATA	31.75 Years | 11,598 Days
DATA GAPS IN POR	05/02/2008 - 06/22/2008
STAGE GAGE ELEVATION	0.28 Feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,568.10 Feet NAVD88
NORMAL DRAWDOWN RATE	-0.12 feet per hour
PZF (CONTROLLED OUTLET)	0.0 Feet Gage Height
PZF (UNCONTROLLED OUTLET)	9.4 Feet Gage Height
MINIMUM LEVEL POOL ELEVATION	3.7 feet at Brown Rd, 2.2 feet at McKellips Rd, 1.0 feet at McDowell Rd
MINIMUM FREEWAY LEVEE ELEVATION	14.0 feet Gage Height
SPILLWAY ELEVATION	15.8 feet Gage Height
TOP OF DAM ELEVATION	25.3 feet Gage Height

Watershed Map

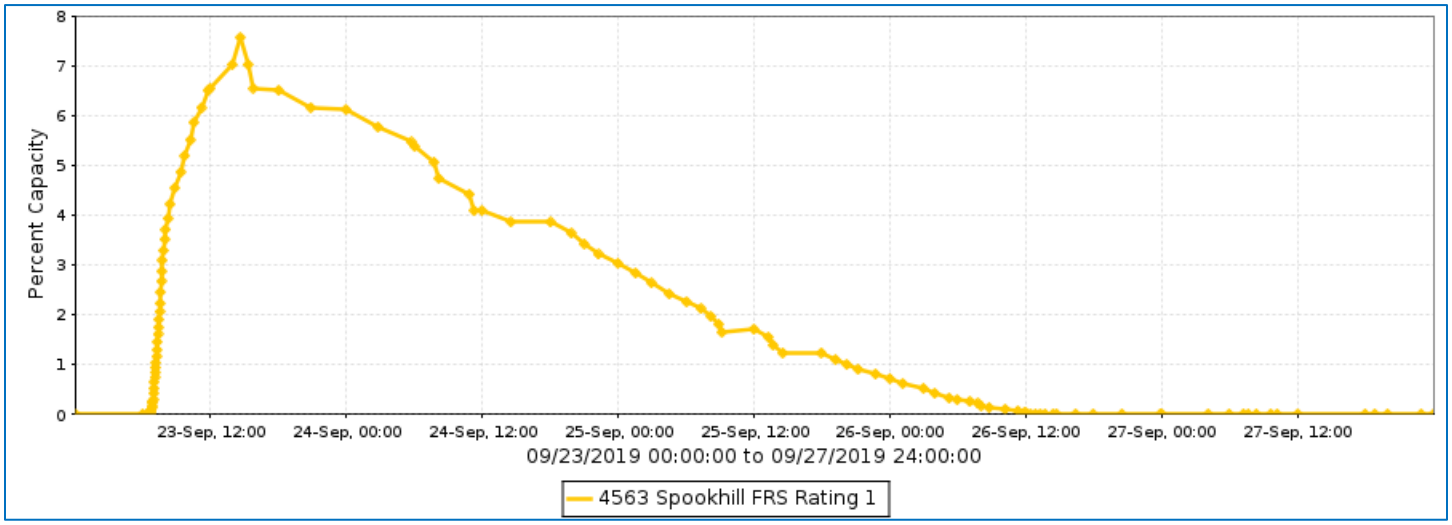




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/13/2018	2.33	2.9	0.1
02/22/2019	5.04	69.1	2.5
08/04/2019	1.55	0.2	0.0
09/23/2019	7.13	206.0	7.5

Hydrograph of peak WY 2019 impoundment event, 09/23/2019



Spookhill FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4											19	
5											21	
6											17	
7												
8												
9												
10												
11												
12												
13	10											
14	12											
15												
16												
17												
18												
19												
20												
21					7							
22					43							
23					42							35
24					41							47
25					38							41
26					33							25
27					22							
28					6							
29					---							
30					---							
31		---			---		---		---			---
TOTAL	22	0	0	0	232	0	0	0	0	0	58	148
MEAN	1	0	0	0	8	0	0	0	0	0	2	5
MAX	29	0	0	0	43	44	0	0	0	0	23	51
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	43	0	0	0	460	0	0	0	0	0	115	294

WTR YR 2019 TOTAL 460 MEAN 1 MAX 51 MIN 0 AC_FT 912

Spookhill FRS, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	1											
14												
15												
16												
17												
18												
19												
20												
21					2							
22					62							
23					56							116
24					46							125
25					29							47
26					10							5
27					2							
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	7	0	0	0	0	0	0	10
MAX	3	0	0	0	69	79	0	0	0	0	0	206
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 1 MAX 206 MIN 0

Spookhill FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3
2	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.1	0.3
7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	1.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	4.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	4.7	0.3	0.3	0.3	0.3	0.3	0.3	4.8
24	0.3	0.3	0.3	0.3	4.4	0.3	0.3	0.3	0.3	0.3	0.3	6.1
25	0.3	0.3	0.3	0.3	3.8	0.3	0.3	0.3	0.3	0.3	0.3	4.4
26	0.3	0.3	0.3	0.3	2.9	0.3	0.3	0.3	0.3	0.3	0.3	2.0
27	0.3	0.3	0.3	0.3	1.8	0.3	0.3	0.3	0.3	0.3	0.3	0.4
28	0.3	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	1.1	0.3	0.3	0.3	0.3	0.3	0.4	0.8
MAX	2.3	0.3	0.3	0.3	5.0	5.3	0.3	0.3	0.3	0.5	1.6	7.1
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

WTR YR 2019 MEAN 0.40 MAX 7.13 MIN 0.28

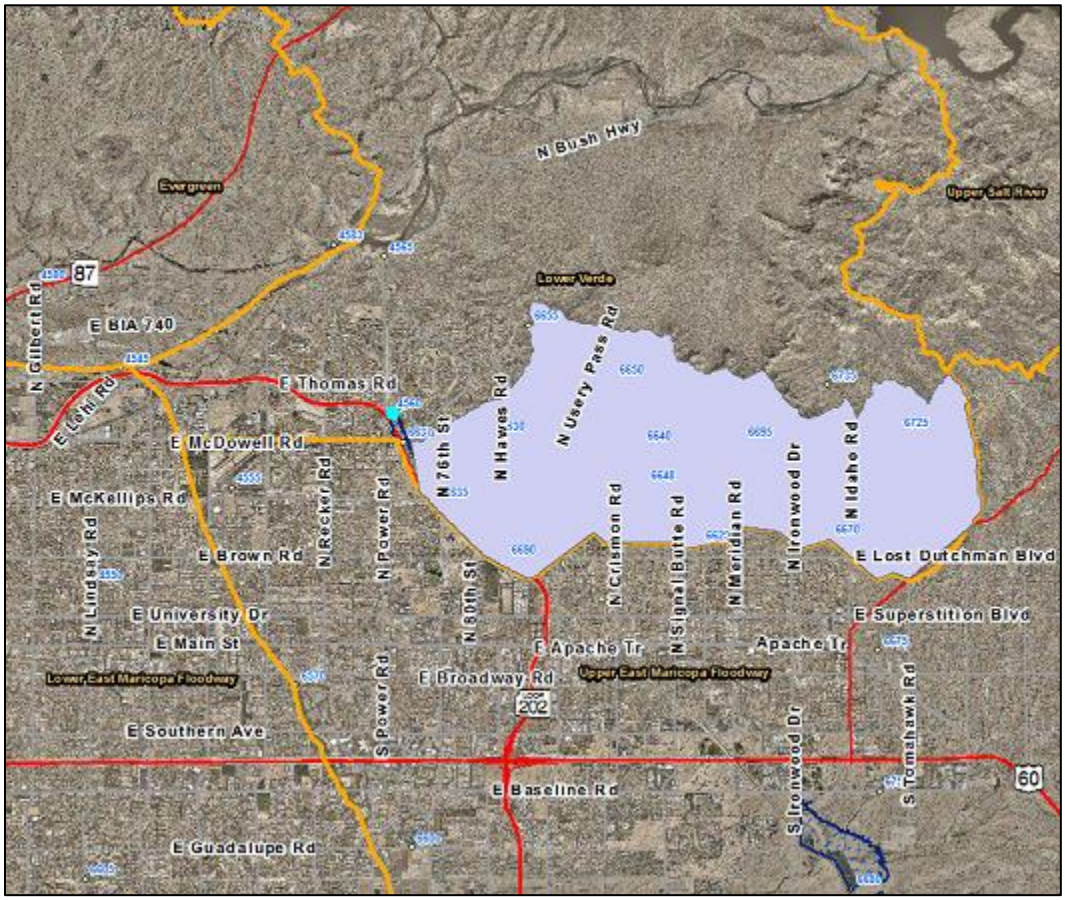
Spookhill FRS at McDowell Road, ID #6637

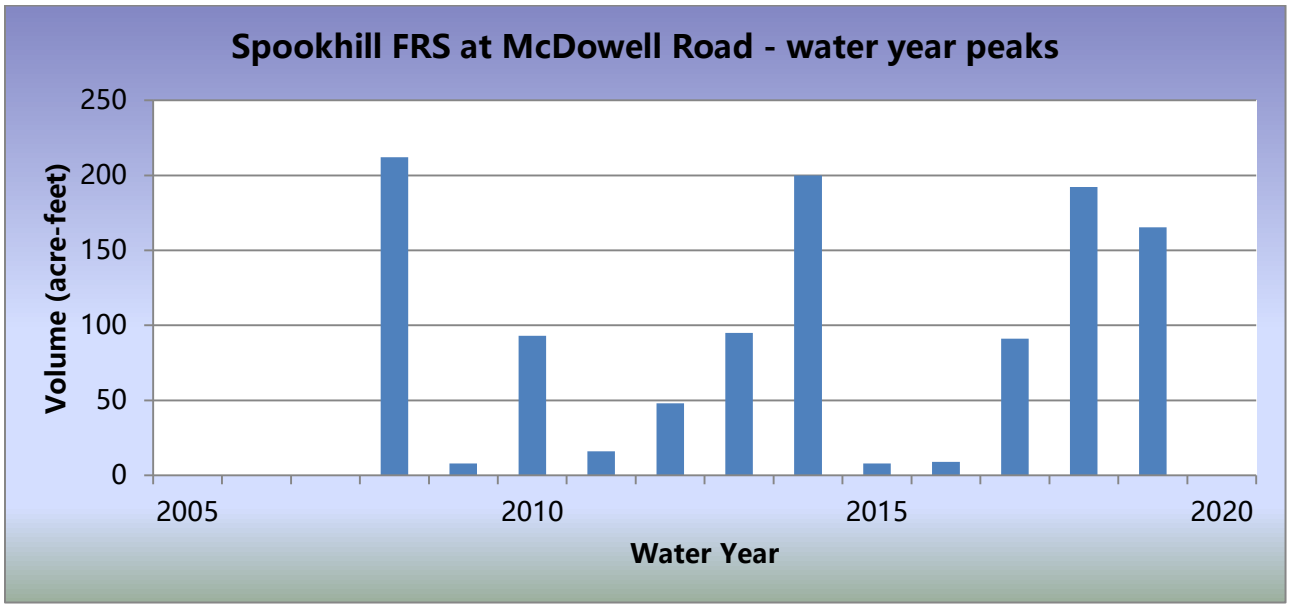


Site Data

LOCATION	Located at McDowell Road and the Loop 202
DRAINAGE AREA	13.6 mi^2 at outlet gage
STREAM TYPE	Engineered Channel / Levee / Dam
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S06 T1N R7E
LATITUDE	N 33° 27' 57.4" | +33.46594
LONGITUDE	W 111° 40' 42.0" | -111.67834
STREAMGAGE INSTALLATION DATE	06/19/2008 - WY 2008
AVAILABLE PERIOD OF RECORD (POR)	06/19/2008 - Current
LENGTH OF AVAILABLE POR DATA	11.28 Years | 4,121 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,569.19 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
DAM ELEVATIONS AS RELATED TO GAGE HEIGHT AT THIS SITE	
PRINCIPAL OUTLET ELEVATION	-1.09 feet Gage Height
UNGATED PRINICPAL OUTLET INLET ELEV	8.31 feet Gage Height
MINIMUM FREEWAY LEVEE ELEVATION	12.91 feet Gage Height
SPILLWAY ELEVATION	14.71 feet Gage Height

Watershed Map

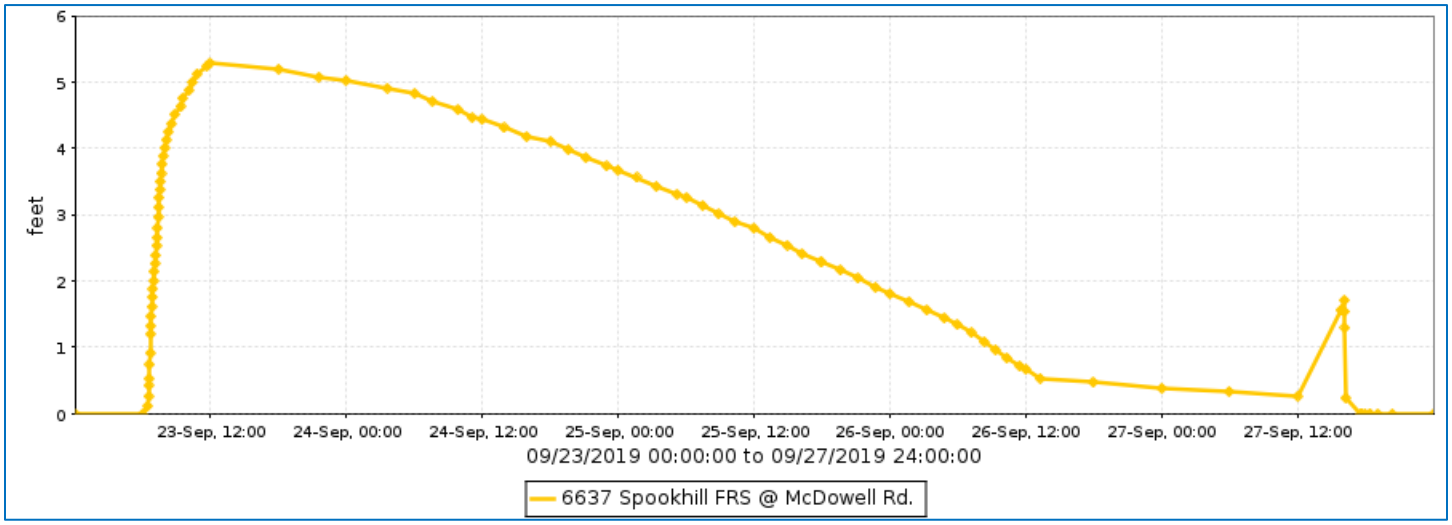




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/13/2018	1.43	8.5	0.3
02/22/2019	3.34	57.1	2.1
08/04/2019	0.37	0.7	0.0
09/23/2019	5.28	165.3	6.0

Hydrograph of peak WY 2019 impoundment event, 09/23/2019



Spookhill FRS at McDowell Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						4						
2												
3												
4											8	
5												
6												
7												
8	3											
9	1											
10												
11												
12												
13	14											
14	29											
15	20											
16	9											
17	6											
18	3											
19	1											
20												
21					7							
22					42							
23					42							35
24					40							47
25					37							40
26					32							27
27					20							9
28					9							
29					---							
30					---							
31		---			---		---		---			---
TOTAL	88	0	0	0	230	4	0	0	0	0	8	157
MEAN	3	0	0	0	8	0	0	0	0	0	0	5
MAX	33	0	0	0	42	6	0	0	0	0	13	50
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	174	0	0	0	455	8	0	0	0	0	16	312

WTR YR 2019 TOTAL 487 MEAN 1 MAX 50 MIN 0 AC_FT 965

Spookhill FRS at McDowell Road, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	3											
14	4											
15	1											
16	1											
17												
18												
19												
20												
21					2							
22					53							
23					53							104
24					39							113
25					24							41
26					9							5
27					2							1
28					1							
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	6	0	0	0	0	0	0	9
MAX	9	0	0	0	57	0	0	0	0	0	1	165
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 1 MAX 165 MIN 0

Spookhill FRS at McDowell Road, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.6
24	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	4.5
25	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.8
26	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.9
27	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3
28	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.1	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4
MAX	1.4	0.0	0.0	0.0	3.3	0.2	0.0	0.0	0.0	0.0	0.4	5.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2019 MEAN 0.08 MAX 5.28 MIN 0.00

Spookhill FRS at McKellips Road, ID #6638

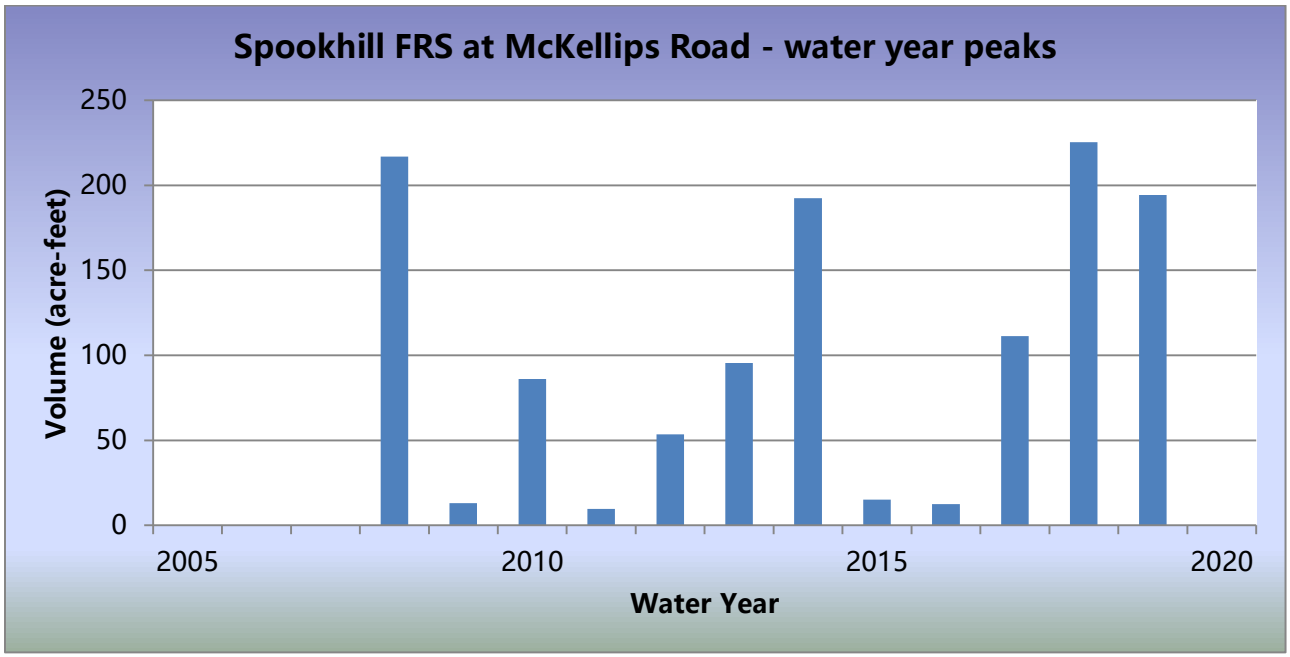


Site Data

LOCATION	Located at McKellips Road and the Loop 202
DRAINAGE AREA	13.6 mi^2 at outlet gage
STREAM TYPE	Engineered Channel / Levee / Dam
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S07 T1N R7E
LATITUDE	N 33° 27' 04.7" | +33.45131
LONGITUDE	W 111° 40' 03.4" | -111.66761
STREAMGAGE INSTALLATION DATE	06/19/2008 - WY 2008
AVAILABLE PERIOD OF RECORD (POR)	06/19/2008 - Current
LENGTH OF AVAILABLE POR DATA	11.28 Years | 4,121 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.25 feet Gage Height
STAFF GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,570.22 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
DAM ELEVATIONS AS RELATED TO GAGE HEIGHT AT THIS SITE	
PRINCIPAL OUTLET ELEVATION	-2.12 feet Gage Height
UNGATED PRINCIPAL OUTLET INLET ELEV	7.28 feet Gage Height
MINIMUM FREEWAY LEVEE ELEVATION	11.88 feet Gage Height
SPILLWAY ELEVATION	13.68 feet Gage Height

Watershed Map

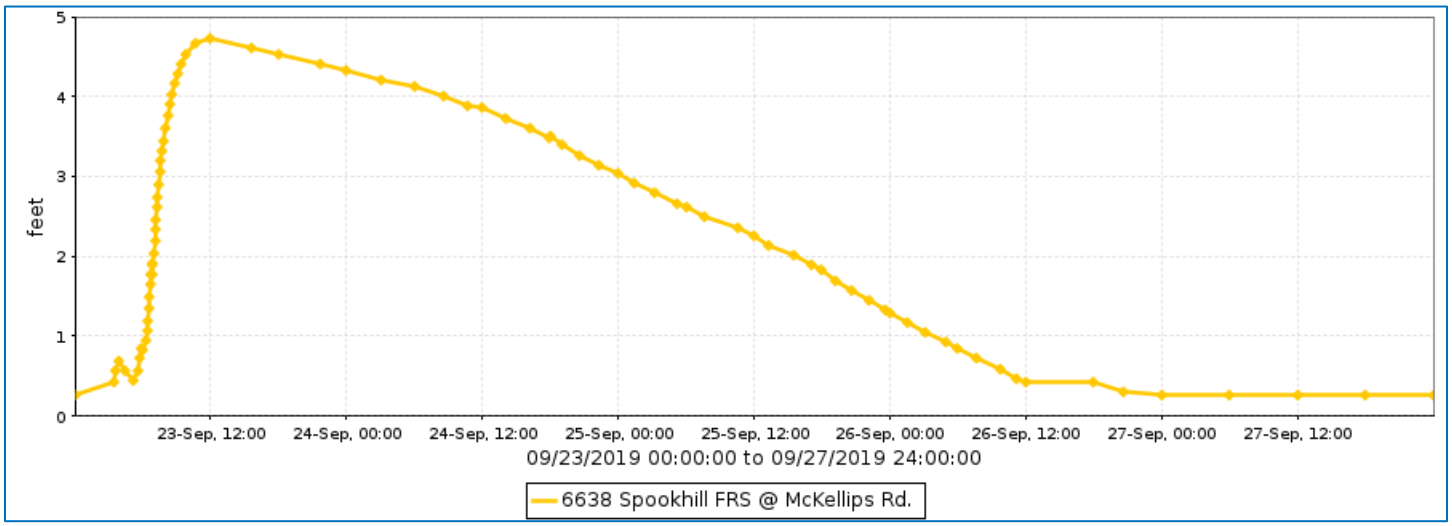




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	0.62	9.8	0.4
10/07/2018	0.62	9.8	0.4
10/13/2018	1.77	34.8	1.3
02/22/2019	2.59	63.0	2.3
08/03/2019	0.72	11.6	0.4
09/23/2019	4.73	194.3	7.0

Hydrograph of peak WY 2019 impoundment event, 09/23/2019



Spookhill FRS at McKellips Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3											1	
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13	18											
14	23											
15	4											
16	1											
17	2											
18												
19												
20												
21					7							
22					43							
23					43							37
24					41							48
25					38							42
26					20							10
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	52	0	0	0	191	0	0	0	0	0	1	137
MEAN	2	0	0	0	7	0	0	0	0	0	0	5
MAX	39	0	0	0	43	0	0	0	0	0	11	51
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	104	0	0	0	380	0	0	0	0	0	2	272

WTR YR 2019 TOTAL 382 MEAN 1 MAX 51 MIN 0 AC_FT 757

Spookhill FRS at McKellips Road, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13	14											
14	18											
15	2											
16												
17												
18												
19												
20												
21					6							
22					61							
23					57							123
24					46							129
25					31							53
26					14							7
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	1	0	0	0	8	0	0	0	0	0	0	10
MAX	35	0	0	0	63	0	0	0	0	0	12	194
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 2 MAX 194 MIN 0

Spookhill FRS at McKellips Road, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	2.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	2.4	0.2	0.2	0.2	0.2	0.2	0.2	3.3
24	0.2	0.2	0.2	0.2	2.1	0.2	0.2	0.2	0.2	0.2	0.2	3.8
25	0.2	0.2	0.2	0.2	1.6	0.2	0.2	0.2	0.2	0.2	0.2	2.3
26	0.2	0.2	0.2	0.2	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.6
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.3	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.3	0.6
MAX	1.8	0.2	0.2	0.2	2.6	0.2	0.2	0.2	0.2	0.2	0.7	4.7
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.30 MAX 4.73 MIN 0.25

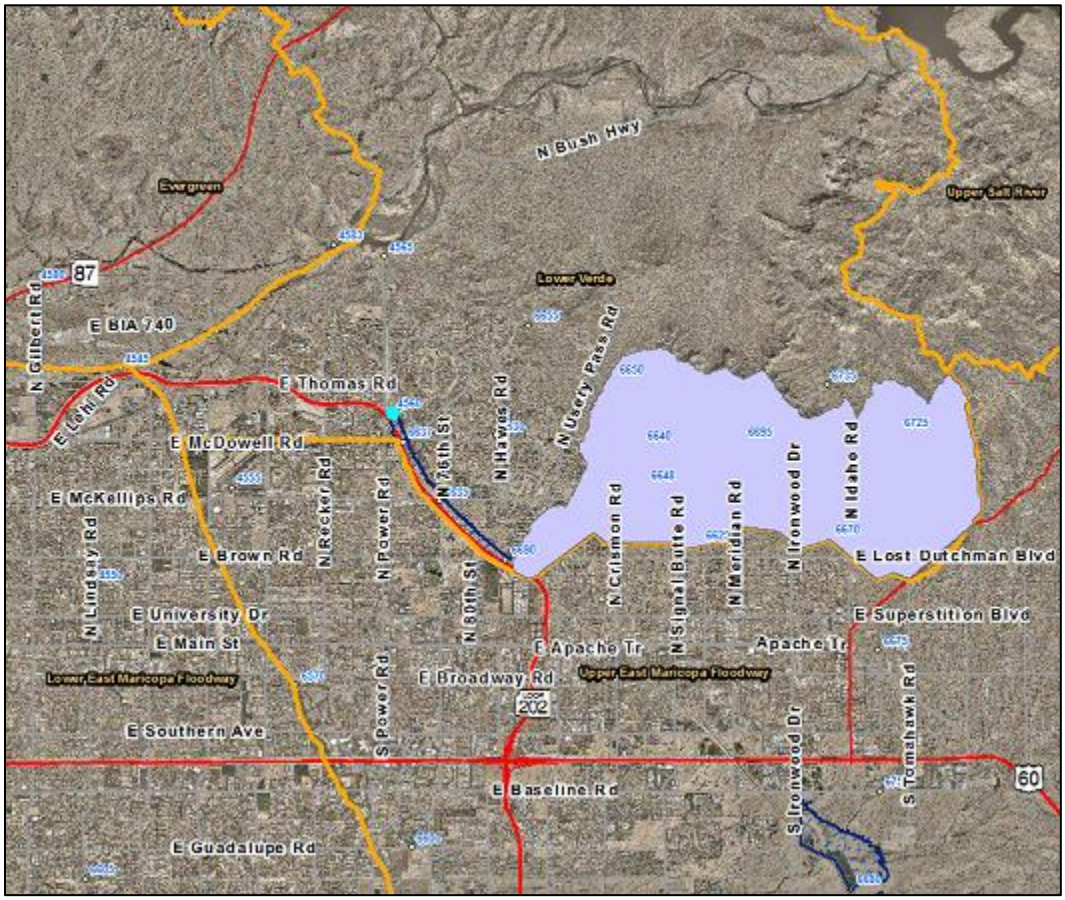
Spookhill FRS at Brown Road, ID #6693

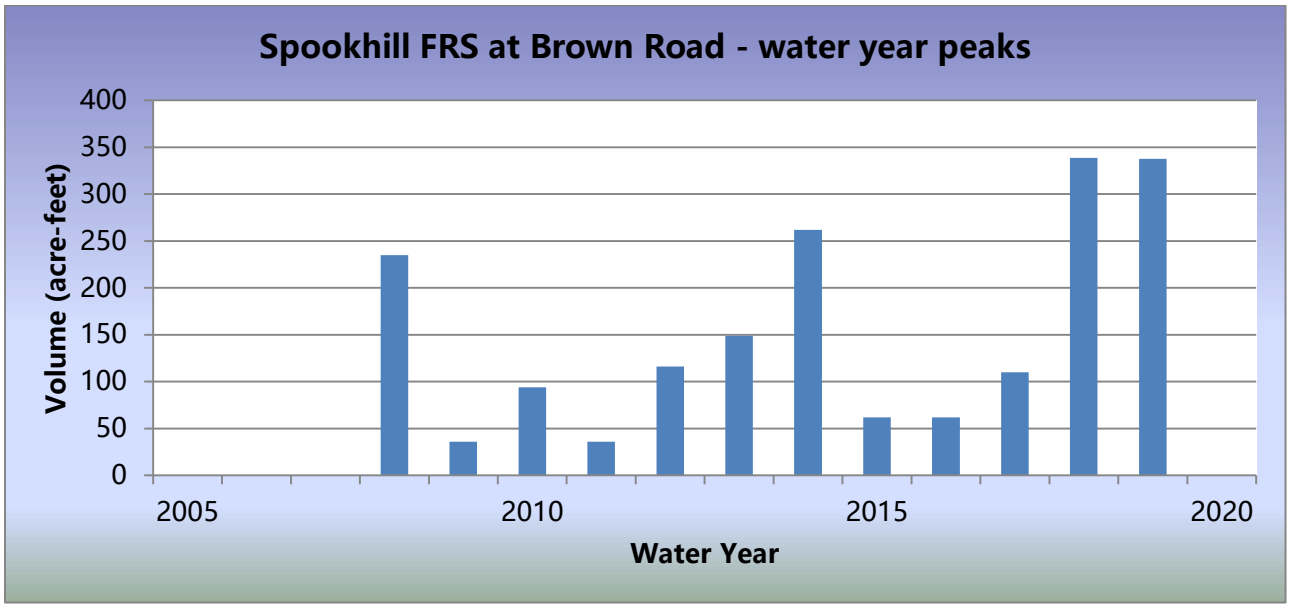


Site Data

LOCATION	Located at Brown Road and SR 202L
DRAINAGE AREA	13.6 mi^2 at outlet gage
STREAM TYPE	Engineered Channel / Levee / Dam
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S16 T1N R7E
LATITUDE	N 33° 26' 11.9" | +33.43664
LONGITUDE	W 111° 38' 52.8" | -111.64799
STREAMGAGE INSTALLATION DATE	06/04/2008 - WY 2008
AVAILABLE PERIOD OF RECORD (POR)	06/04/2008 - Current
LENGTH OF AVAILABLE POR DATA	11.32 Years | 4,136 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.32 feet Gage Height
STAFF GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,571.53 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
DAM ELEVATIONS AS RELATED TO GAGE HEIGHT AT THIS SITE	
PRINCIPAL OUTLET ELEVATION	-3.43 feet Gage Height
UNGATED PRINCIPAL OUTLET INLET ELEV	5.97 feet Gage Height
MINIMUM FREEWAY LEVEE ELEVATION	10.57 feet Gage Height
SPILLWAY ELEVATION	12.68 feet Gage Height

Watershed Map

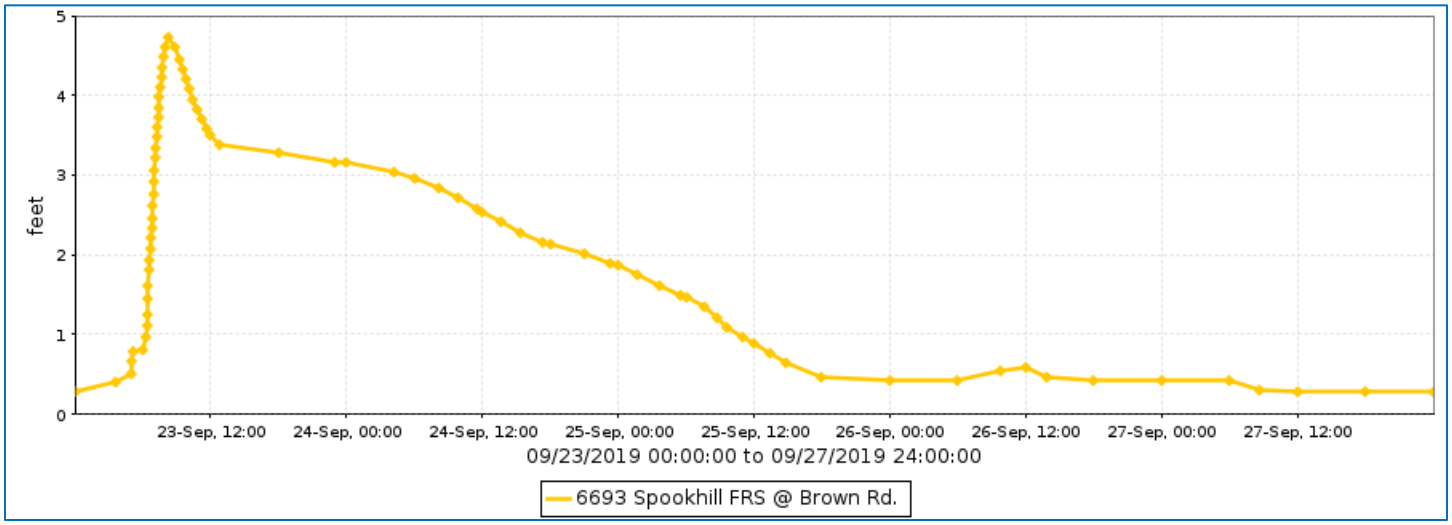




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/13/2018	1.07	58.4	2.1
02/22/2019	1.97	98.3	3.6
09/23/2019	4.73	337.7	12.2

Hydrograph of peak WY 2019 impoundment event, 09/23/2019



Spookhill FRS at Brown Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	28											
14	17											
15	20											
16	33											
17	18											
18												
19												
20												
21					18							
22					46							
23					45							43
24					44							48
25												44
26												41
27												15
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	116	0	0	0	152	0	0	0	0	0	0	190
MEAN	4	0	0	0	5	0	0	0	0	0	0	6
MAX	44	0	0	0	46	0	0	0	0	0	0	55
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	230	0	0	0	301	0	0	0	0	0	0	377

WTR YR 2019 TOTAL 458 MEAN 1 MAX 55 MIN 0 AC_FT 907

Spookhill FRS at Brown Road, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	31											
14	15											
15	18											
16	28											
17	9											
18												
19												
20												
21					25							
22					78							
23					61							159
24					51							137
25												59
26												37
27												13
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	3	0	0	0	8	0	0	0	0	0	0	13
MAX	58	0	0	0	98	0	0	0	0	0	0	338
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 2 MAX 338 MIN 0

Spookhill FRS at Brown Road, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	1.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	1.1	0.3	0.3	0.3	0.3	0.3	0.3	2.7
24	0.3	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	0.3	2.6
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.5
MAX	1.1	0.3	0.3	0.3	2.0	0.3	0.3	0.3	0.3	0.3	0.3	4.7
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

WTR YR 2019 MEAN 0.30 MAX 4.73 MIN 0.27

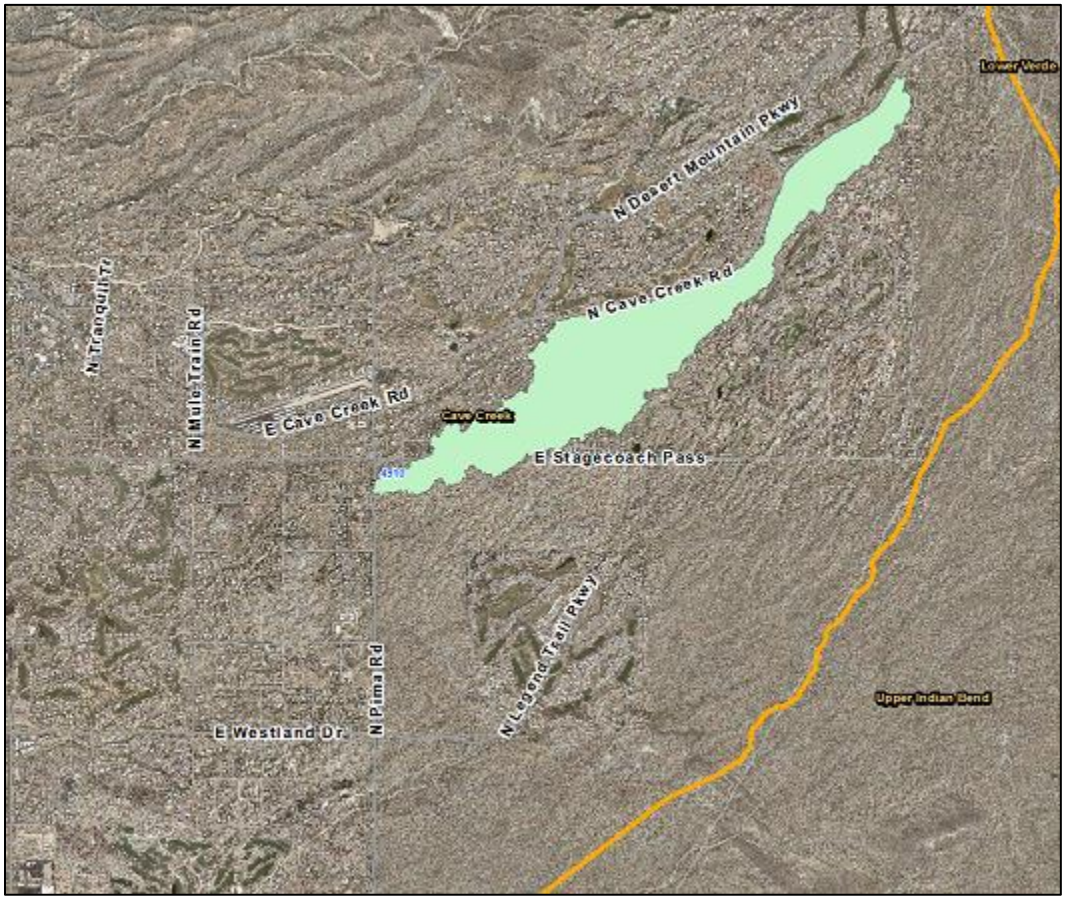
Stagecoach Wash, ID #4913

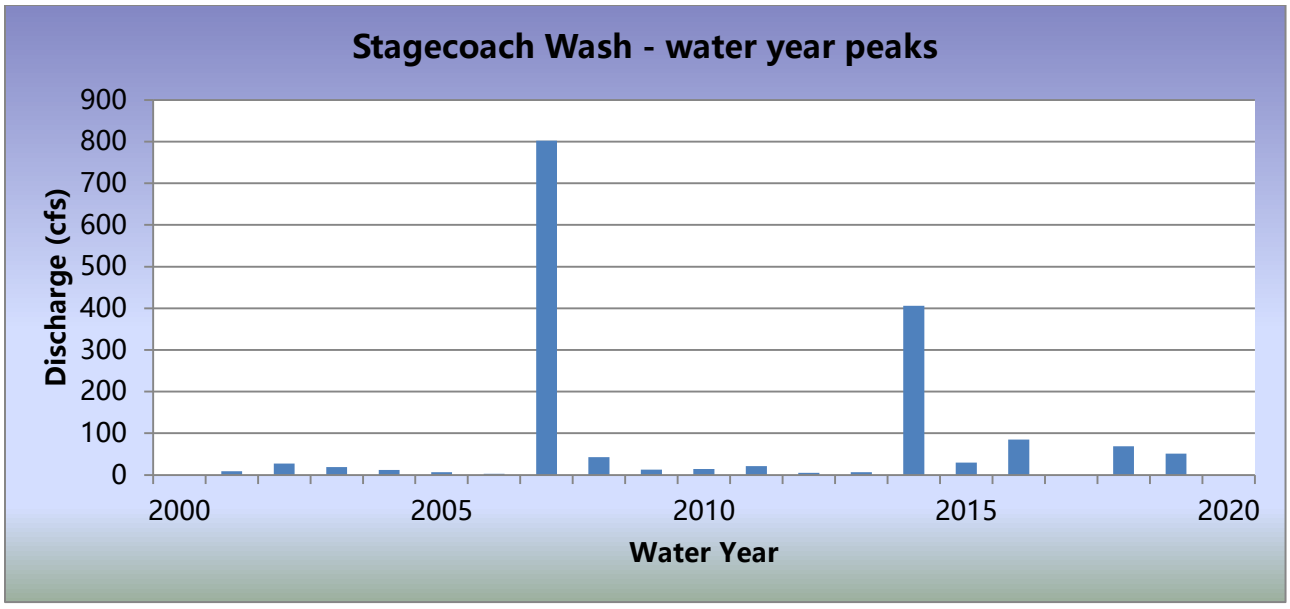


Site Data

LOCATION	On Pima Road about 1/4 miles south of Stagecoach Pass
DRAINAGE AREA	1.12 mi^2
STREAM TYPE	Culvert at natural stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S061 T5N R5E
LATITUDE	N 33° 48' 42.8" | +33.81190
LONGITUDE	W 111° 53' 28.0" | -111.89112
STREAMGAGE INSTALLATION DATE	06/13/2001 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	06/13/2001 - Current
LENGTH OF AVAILABE POR DATA	18.30 Years | 6,684 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.85 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,548.94 feet NAVD88
POINT OF ZERO FLOW	0.7 feet Gage Height
EXTREME FOR PERIOD OF RECORD	802 cfs | 5.10 feet | 07/31/2007

Watershed Map

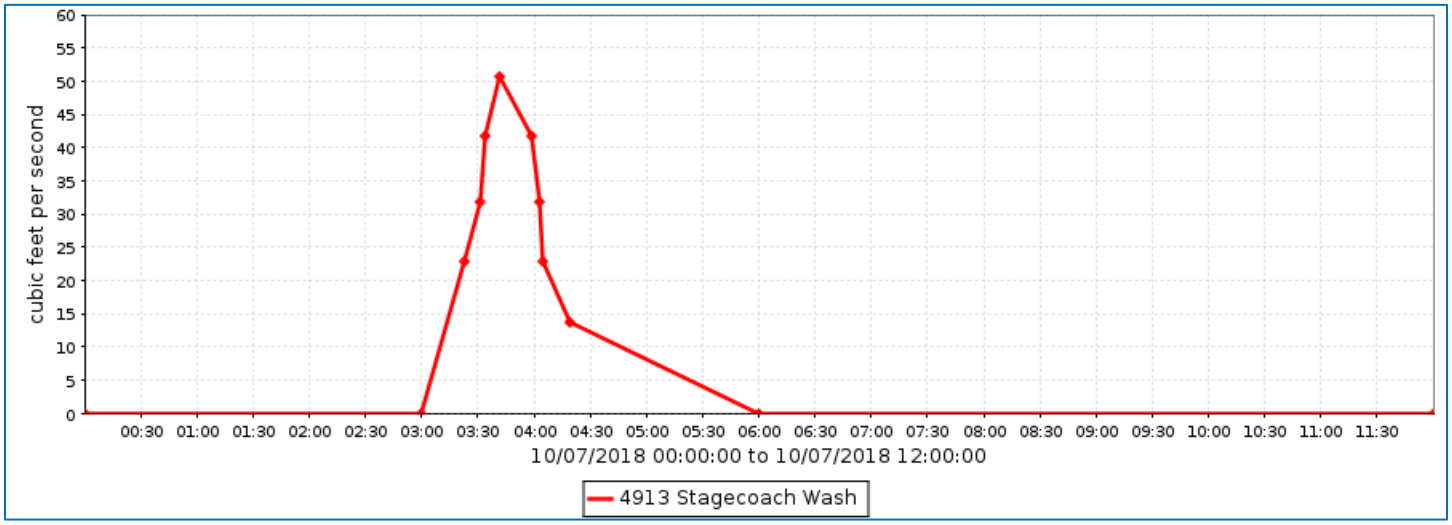




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.17	29
10/07/2018	1.49	51

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

Flood Flow Frequency N=19, HEC-WRC computation (based on 19 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
17	**68**	**148**	**288**	**630**	**1,080**

Stagecoach Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	5											
3												
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13												
14												
15												
16	3											
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	10	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	51	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	21	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 10 MEAN 0 MAX 51 MIN 0 AC_FT 21

Stoneridge Dam, ID #5968

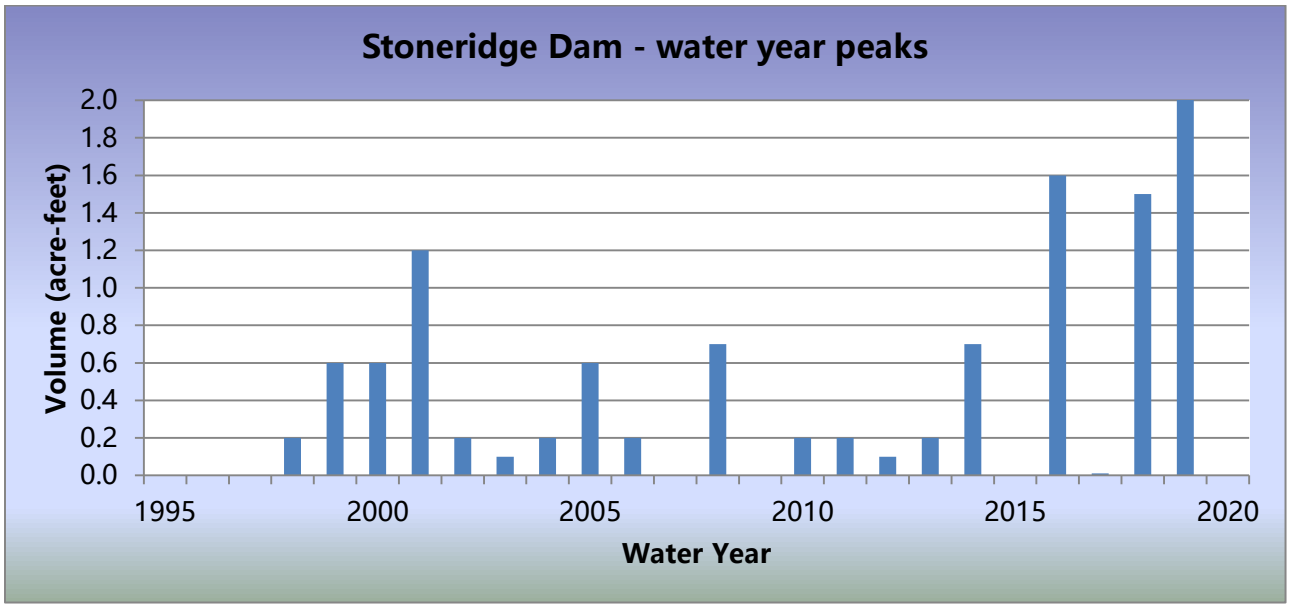


Site Data

LOCATION	About 1/2 mile north of Shea Boulevard, west of Fountain Hills Boulevard
DRAINAGE AREA	0.86 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S22 T3N R6E
LATITUDE	N 33° 35' 40.1" | +33.59448
LONGITUDE	W 111° 44' 00.0" | -111.73332
STREAMGAGE INSTALLATION DATE	12/11/1996 - WY 1997
AVAILABLE PERIOD OF RECORD (POR)	12/11/1996 - Current
LENGTH OF AVAILABLE POR DATA	22.80 Years | 8,329 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.30 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,680.94 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	24.0 feet Gage Height
TOP OF DAM ELEVATION	31.0 feet Gage Height

Watershed Map

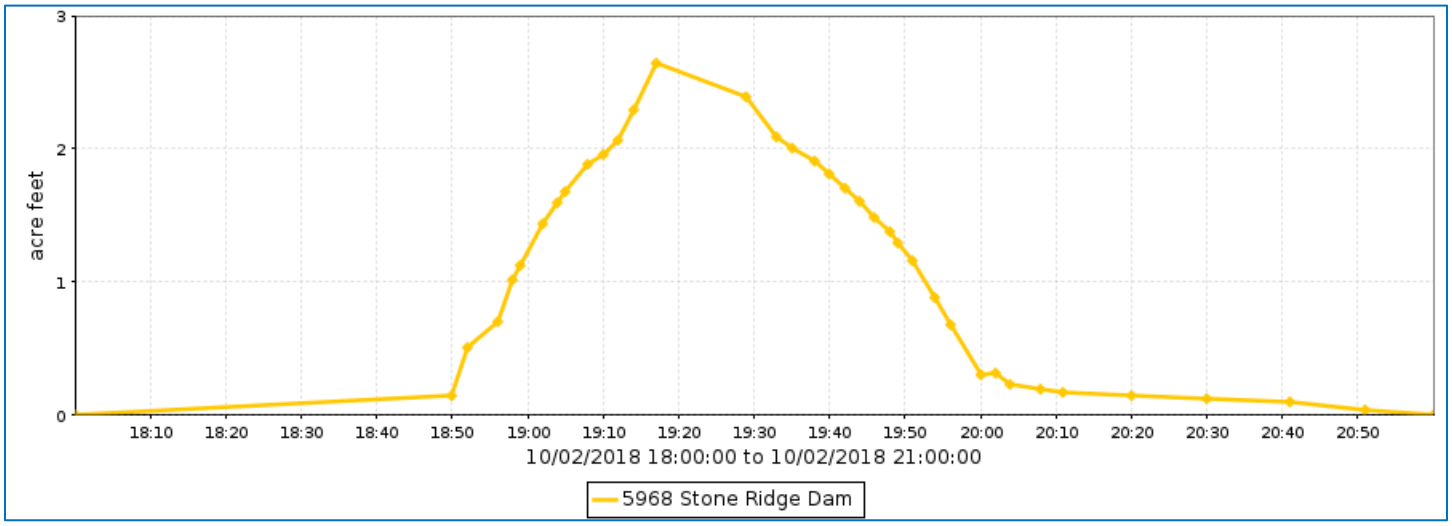




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	7.40	2.6	3.9
09/23/2019	5.82	1.2	1.8

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Stoneridge Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	3											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												5
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	3	0	0	0	0	0	0	0	0	0	0	5
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	58	0	0	0	0	0	0	0	0	0	0	49
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	6	0	0	0	0	0	0	0	0	0	0	10

WTR YR 2019 TOTAL 8 MEAN 0 MAX 58 MIN 0 AC_FT 16

Stoneridge Dam, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	3	0	0	0	0	0	0	0	0	0	0	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 3 MIN 0

Stoneridge Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
10	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
11	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
13	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
14	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
15	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
16	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
17	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
18	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
19	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
20	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
21	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
22	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
23	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
24	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
25	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
26	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
27	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
28	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
29	1.3	1.3	1.3	1.3	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3
30	1.3	1.3	1.3	1.3	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3
31	1.3	---	1.3	1.3	---	1.3	---	1.3	---	1.3	1.3	---
MEAN	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
MAX	7.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	5.8
MIN	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

WTR YR 2019 MEAN 1.30 MAX 7.40 MIN 1.30

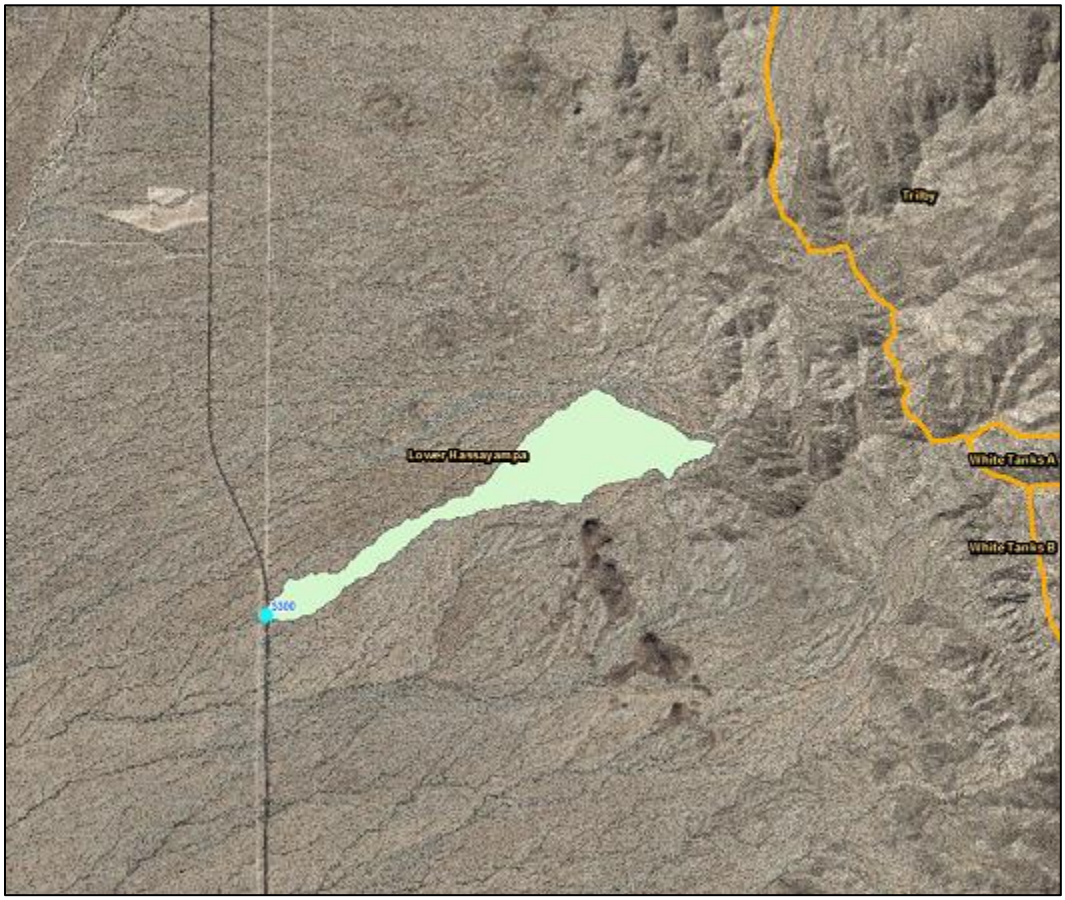
Sun Valley Parkway at Northern Avenue, ID #5303

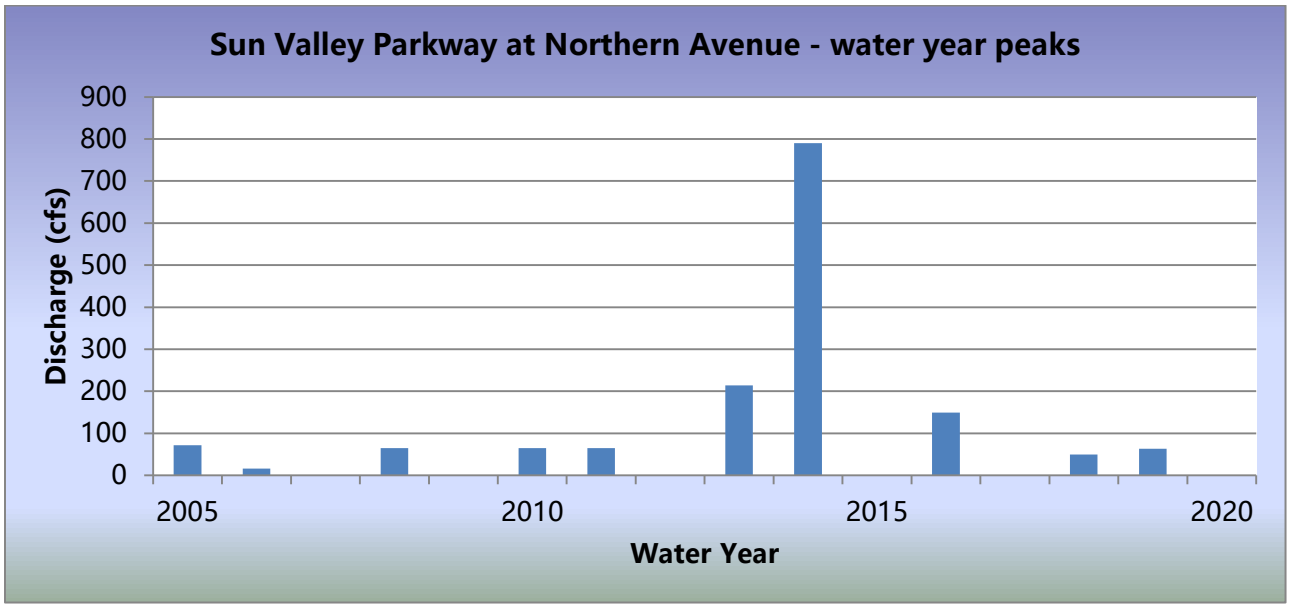


Site Data

LOCATION	On Sun Valley Parkway near the Northern Avenue alignment
DRAINAGE AREA	1.4 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S32 T3N R4W
LATITUDE	N 33° 33' 12.4" | +33.55345
LONGITUDE	W 112° 40' 40.9" | -112.67803
STREAMGAGE INSTALLATION DATE	08/02/2005 - WY 2005
AVAILABLE PERIOD OF RECORD (POR)	08/02/2005 - Current
LENGTH OF AVAILABLE POR DATA	14.16 Years | 5,173 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,394.57 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	790 cfs | 1.88 feet | 09/08/2014

Watershed Map

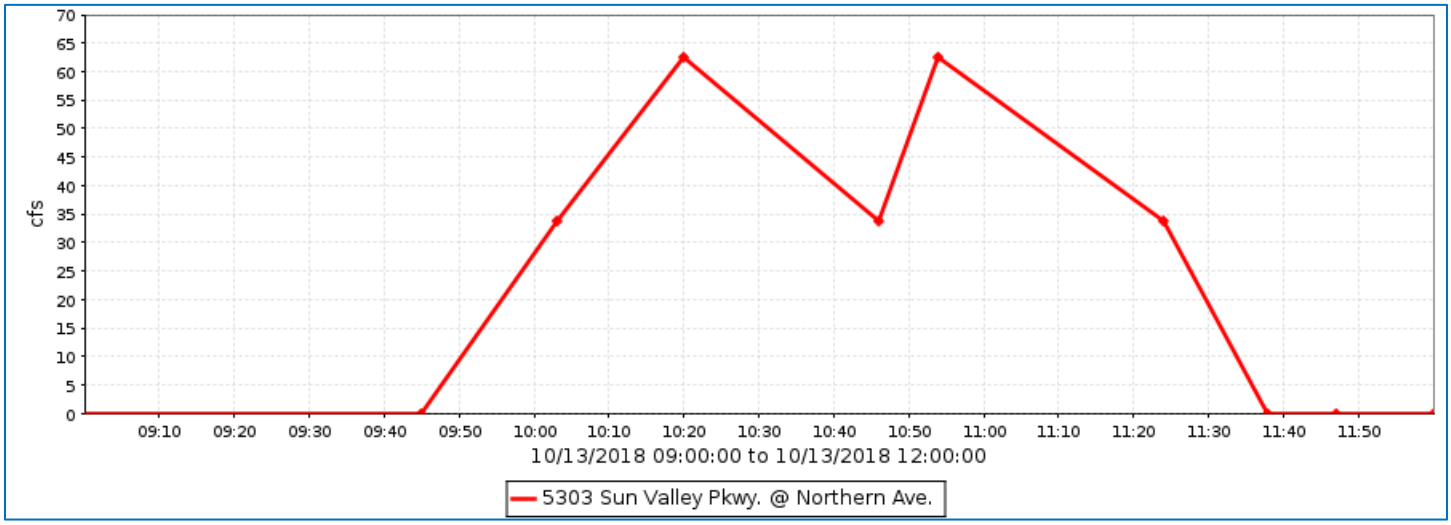




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/13/2018	0.44	63

Hydrograph of peak WY 2019 flow event, 10/13/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Sun Valley Parkway at Northern, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11									5			
12												
13	3											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	3	0	0	0	0	0	0	0	5	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	63	3	0	0	0	0	0	0	38	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	7	0	0	0	0	0	0	0	10	0	0	0

WTR YR 2019 TOTAL 8 MEAN 0 MAX 63 MIN 0 AC_FT 16

Sunnycove FRS, ID #5248

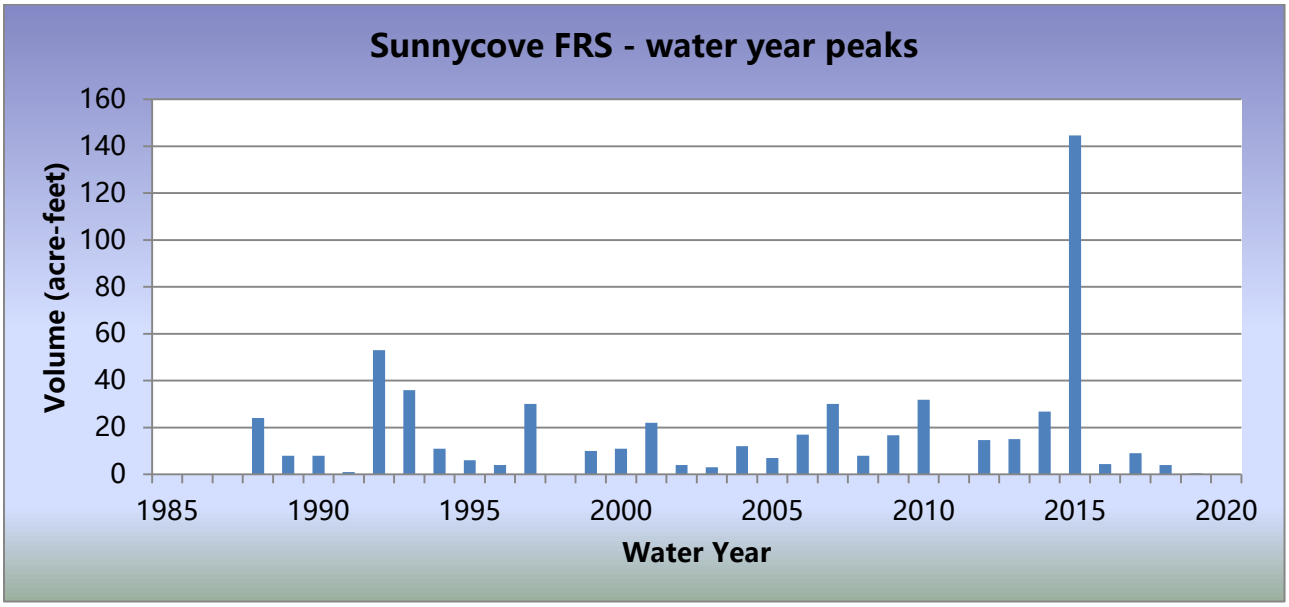


Site Data

LOCATION	In Wickenburg south of US 60 near the cemetery
DRAINAGE AREA	1.35 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S11 T7N R5W
LATITUDE	N 33° 57' 26.1" | +33.95725
LONGITUDE	W 112° 44' 23.2" | -112.73978
STREAMGAGE INSTALLATION DATE	07/01/1986 - WY 1986
AVAILABLE PERIOD OF RECORD (POR)	12/16/1988 - Current
LENGTH OF AVAILABLE POR DATA	30.79 Years | 11,246 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	10
ZERO GAGE HEIGHT ELEVATION	2,135.10 feet NAVD88
POINT OF ZERO FLOW (GATED ORIFICE)	-5.0 feet Gage Height
POINT OF ZERO FLOW (UNGATED ORIFICE)	15.0 feet Gage Height
POINT OF ZERO FLOW (PRINCIPAL OUTLET TOWER)	36.5 feet Gage Height
SPILLWAY ELEVATION	37.1 feet Gage Height
TOP OF DAM ELEVATION	45.0 feet Gage Height

Watershed Map

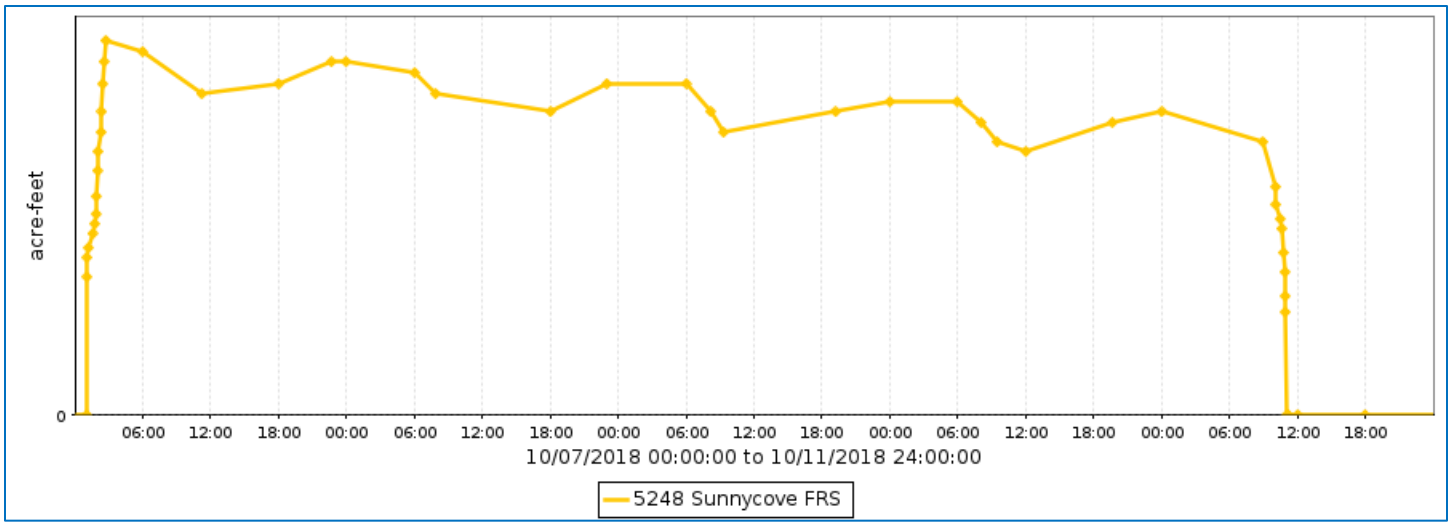




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	1.71	0.2	0.1
10/07/2018	2.79	0.4	0.2
10/13/2018	1.81	0.2	0.1
01/15/2019	2.01	0.2	0.1
02/15/2019	1.66	0.2	0.1
02/23/2019	1.52	0.2	0.1
09/23/2019	1.96	0.2	0.1
09/26/2019	1.96	0.2	0.1

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



Sunnycove FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---											---
2												---
3												
4												
5												
6												
7												
8												
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25												
26												
27												
28												
29					---						---	
30					---						---	
31		---			---		---		---		---	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Sunnycove FRS, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---											---
2												---
3												
4												
5												
6												
7												
8												
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28												
29					---						---	
30					---						---	
31		---			---		---		---		---	---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 0 MIN 0

Sunnycove FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---
2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---
3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	1.7	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	1.8	0.0	0.0	0.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	1.6	0.0	0.0	1.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	1.6	0.0	0.0	1.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	1.5	0.0	0.0	1.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	1.4	0.0	0.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	1.3	0.0	0.0	1.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	1.2	0.0	0.0	1.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1.1	0.0	0.0	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.5	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	---	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	---	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	---	---
MEAN	1.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	2.8	0.1	0.0	2.0	1.7	0.1	0.0	0.0	0.0	0.0	0.0	2.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2019 MEAN 0.14 MAX 2.79 MIN 0.00

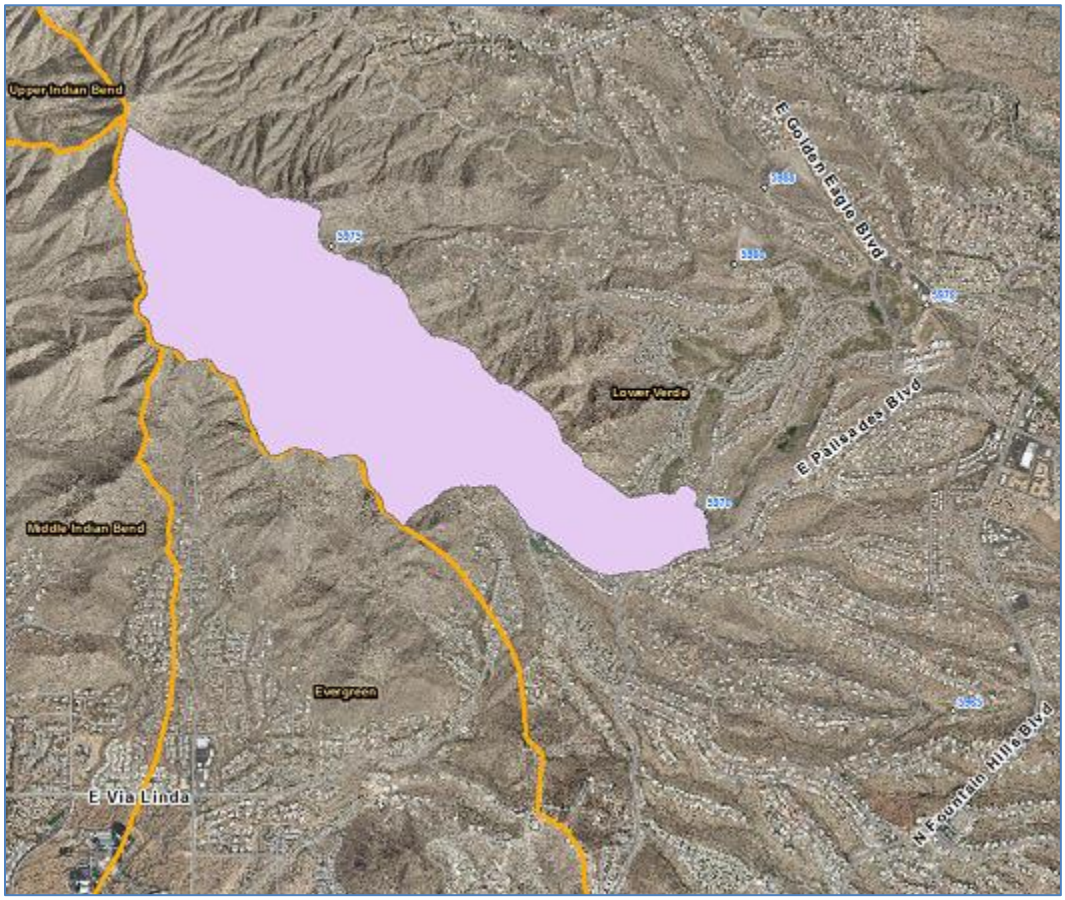
Sunridge Canyon Dam, ID #5973

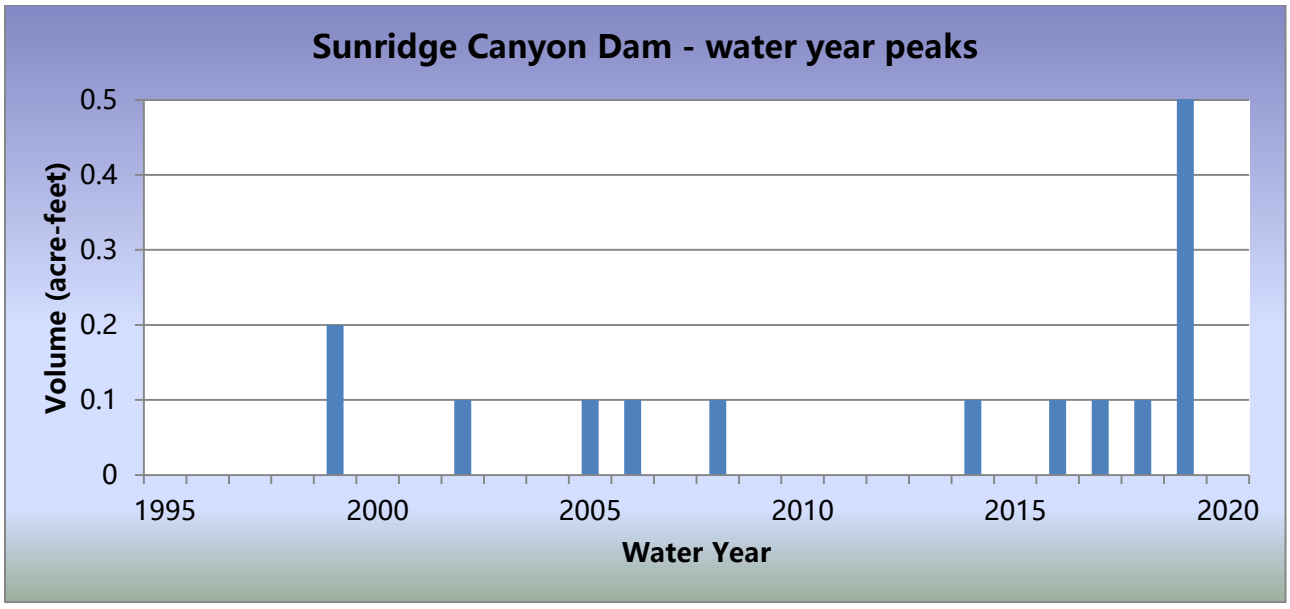


Site Data

LOCATION	Near the Sunridge Canyon Golf Course
DRAINAGE AREA	1.60 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S16 T3N R6E
LATITUDE	N 33° 36' 23.1" | +33.60641
LONGITUDE	W 111° 45' 04.0" | -111.75112
STREAMGAGE INSTALLATION DATE	02/04/1997 - WY 1997
AVAILABLE PERIOD OF RECORD (POR)	02/04/1997 - Current
LENGTH OF AVAILABLE POR DATA	22.65 Years | 8,274 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.20 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,886.90 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	40.1 feet Gage Height
TOP OF DAM ELEVATION	47.0 feet Gage Height

Watershed Map

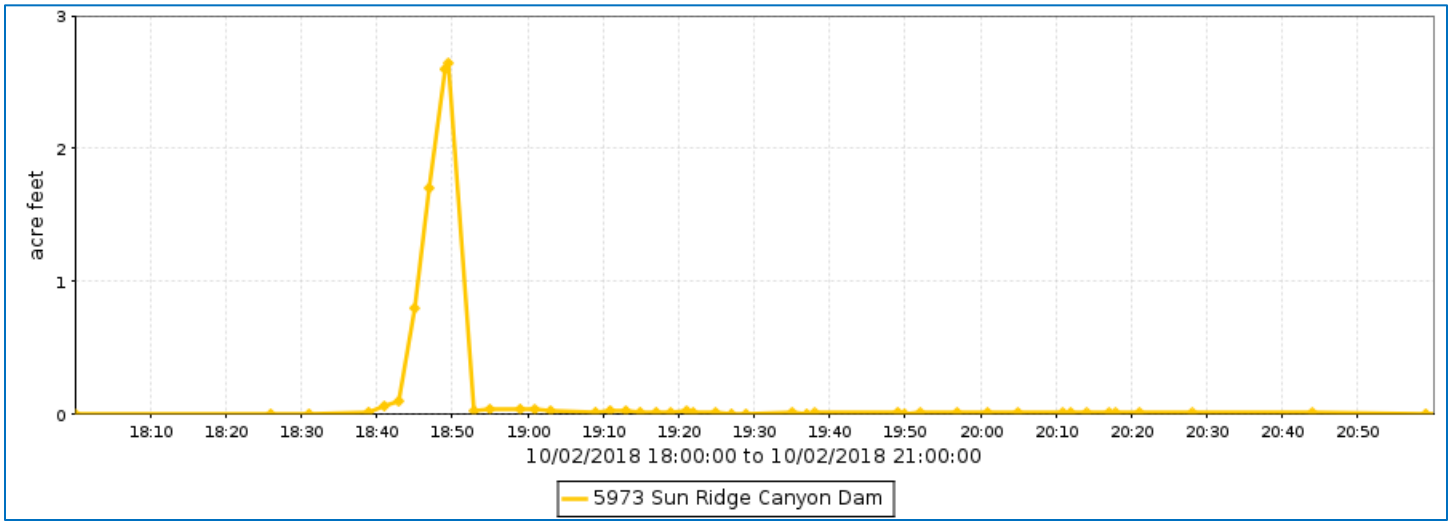




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	13.24	2.6	2.8
09/23/2019	6.71	0.1	0.1
09/23/2019	3.24	0.0	0.0

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Sunridge Canyon Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	6					---						
3						---						
4						---						
5						---						
6												
7												
8	---											
9	---											
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												7
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	6	0	0	0	0	0	0	0	0	0	0	7
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	204	0	0	0	0	0	0	0	0	0	0	124
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	11	0	0	0	0	0	0	0	0	0	0	13

WTR YR 2019 TOTAL 12 MEAN 0 MAX 204 MIN 0 AC_FT 24

Sunridge Canyon Dam, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2						---						
3						---						
4						---						
5						---						
6												
7												
8	---											
9	---											
10												
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24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	3	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 3 MIN 0

Sunridge Canyon Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2	1.4	1.2	1.2	1.2	1.2	---	1.2	1.2	1.2	1.2	1.2	1.2
3	1.2	1.2	1.2	1.2	1.2	---	1.2	1.2	1.2	1.2	1.2	1.2
4	1.2	1.2	1.2	1.2	1.2	---	1.2	1.2	1.2	1.2	1.2	1.2
5	1.2	1.2	1.2	1.2	1.2	---	1.2	1.2	1.2	1.2	1.2	1.2
6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
8	---	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
9	---	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
11	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
12	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
13	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
14	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
15	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
16	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
17	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
18	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
19	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
20	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
21	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
22	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
23	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.4
24	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
26	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
27	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
28	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
29	1.2	1.2	1.2	1.2	---	1.2	1.2	1.2	1.2	1.2	1.2	1.2
30	1.2	1.2	1.2	1.2	---	1.2	1.2	1.2	1.2	1.2	1.2	1.2
31	1.2	---	1.2	1.2	---	1.2	---	1.2	---	1.2	1.2	---
MEAN	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
MAX	13.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	6.7
MIN	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

WTR YR 2019 MEAN 1.20 MAX 13.24 MIN 1.20

Sunset FRS, ID #5233

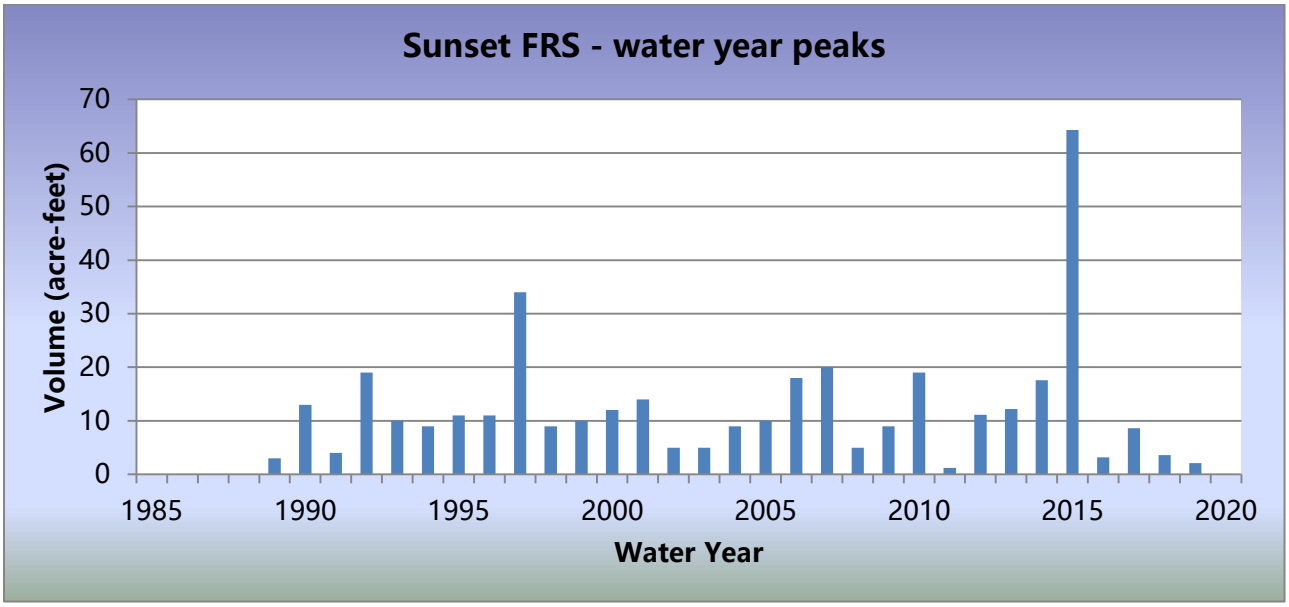


Site Data

LOCATION	In Wickenburg near US 60 and Mariposa Drive
DRAINAGE AREA	0.95 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S11 T7N R5W
LATITUDE	N 33° 57' 53.7" | +33.96491
LONGITUDE	W 112° 44' 32.6" | -112.74238
STREAMGAGE INSTALLATION DATE	02/12/1989 - WY 1989
AVAILABLE PERIOD OF RECORD (POR)	02/12/1989 - Current
LENGTH OF AVAILABLE POR DATA	30.63 Years | 11,188 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	7
ZERO GAGE HEIGHT ELEVATION	2,114.01 feet NAVD88
POINT OF ZERO FLOW (GATED ORIFICE)	0.0 feet Gage Height
POINT OF ZERO FLOW (UNGATED ORIFICE)	8.75 feet Gage Height
POINT OF ZERO FLOW (PRINCIPAL OUTLET TOWER)	19.75 feet Gage Height
SPILLWAY ELEVATION	18.85 feet Gage Height
TOP OF DAM ELEVATION	30.0 feet Gage Height

Watershed Map

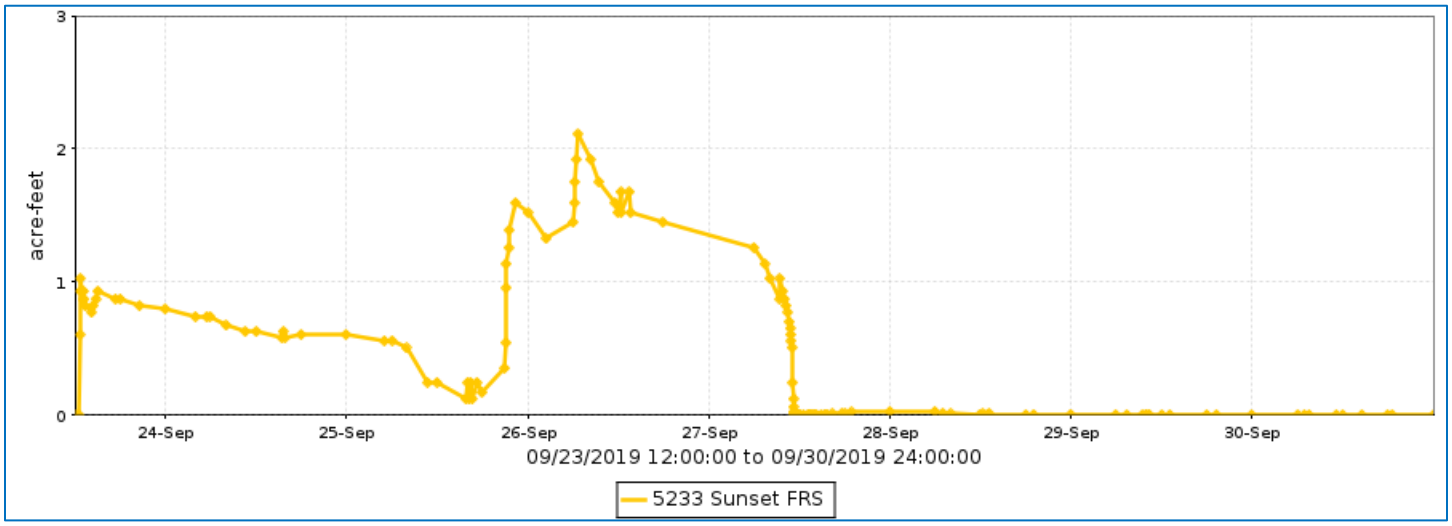




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	4.16	1.2	1.5
10/07/2018	4.40	1.5	1.9
10/13/2018	3.87	0.9	1.2
01/15/2019	4.16	1.2	1.5
02/14/2019	3.87	0.9	1.2
02/21/2019	3.62	0.8	1.0
03/13/2019	2.89	0.2	0.3
09/23/2019	4.01	1.0	1.3
09/26/2019	4.75	2.1	2.7

Hydrograph of peak WY 2019 impoundment event, 09/26/2019



Sunset FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
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24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Sunset FRS, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3	1											
4												
5												
6												
7	1											
8	1											
9												
10												
11												
12												
13												
14												
15					1							
16				1								
17												
18												
19												
20												
21												
22					1							
23					1							
24												1
25												1
26												2
27												1
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	2	0	0	1	1	0	0	0	0	0	0	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 2 MIN 0

Sunset FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.8	0.1	0.1	0.1	0.1	0.1	0.1
2	2.6	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
3	3.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	2.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	1.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	1.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	3.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	3.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	3.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	2.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.2	0.1	0.1	0.1	0.1	1.3	0.1	0.1	0.1	0.1	0.1	0.1
13	2.2	0.1	0.1	0.1	0.1	2.6	0.1	0.1	0.1	0.1	0.1	0.1
14	3.0	0.1	0.1	0.1	1.0	2.3	0.1	0.1	0.1	0.1	0.1	0.1
15	2.8	0.1	0.1	2.0	3.4	1.9	0.1	0.1	0.1	0.1	0.1	0.1
16	2.0	0.1	0.1	3.5	2.9	1.5	0.1	0.1	0.1	0.1	0.1	0.1
17	1.7	0.1	0.1	2.9	2.6	1.1	0.1	0.1	0.1	0.1	0.1	0.1
18	1.4	0.1	0.1	2.4	2.2	0.6	0.1	0.1	0.1	0.1	0.1	0.1
19	1.1	0.1	0.1	2.0	1.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.8	0.1	0.1	1.6	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.6	0.1	0.1	1.3	2.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.4	0.1	0.1	1.0	3.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.3	0.1	0.1	0.5	3.2	0.1	0.1	0.1	0.1	0.1	0.1	1.8
24	0.2	0.1	0.1	0.1	2.8	0.1	0.1	0.1	0.1	0.1	0.1	3.4
25	0.1	0.1	0.1	0.1	2.4	0.1	0.1	0.1	0.1	0.1	0.1	3.2
26	0.1	0.1	0.1	0.1	2.0	0.1	0.1	0.1	0.1	0.1	0.1	4.4
27	0.1	0.1	0.1	0.1	1.6	0.1	0.1	0.1	0.1	0.1	0.1	3.1
28	0.1	0.1	0.1	0.1	1.2	0.1	0.1	0.1	0.1	0.1	0.1	2.4
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	2.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	1.8
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	1.4	0.1	0.1	0.6	1.3	0.5	0.1	0.1	0.1	0.1	0.1	0.8
MAX	4.4	0.1	0.1	4.2	3.9	2.9	0.1	0.1	0.1	0.1	0.1	4.8
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.44 MAX 4.75 MIN 0.10

Sycamore Creek Fire, ID #5871/5873

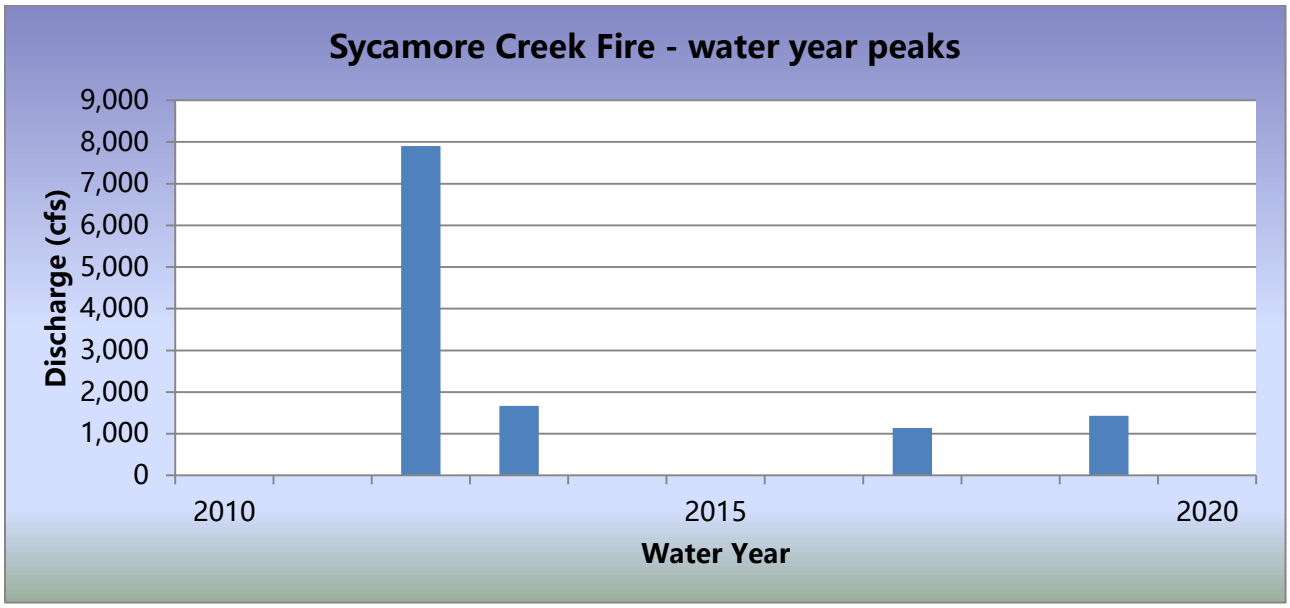


Site Data

LOCATION	Located near town of Sunflower, Arizona
DRAINAGE AREA	20.2 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S25 T7N R8E
LATITUDE	N 33° 55' 34.8" | +33.92634
LONGITUDE	W 111° 28' 46.0" | -111.47944
STREAMGAGE INSTALLATION DATE	06/26/2012 - WY 2012
AVAILABLE PERIOD OF RECORD (POR)	06/26/2012 - Current
LENGTH OF AVAILABLE POR DATA	7.26 Years | 2,653 Days
DATA GAPS IN POR	None
STATUS SENSOR (5872) ELEVATION	2.15 feet Gage Height
RADAR GAGE (5871) GROUND ELEVATION BELOW SENSOR	3.8 feet Gage Height
TRANSDUCER GAGE (5873) ELEVATION	7.26 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	3,783.64 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	7,906 cfs | 11.96 feet gage height | 08/16/2012

Location Map

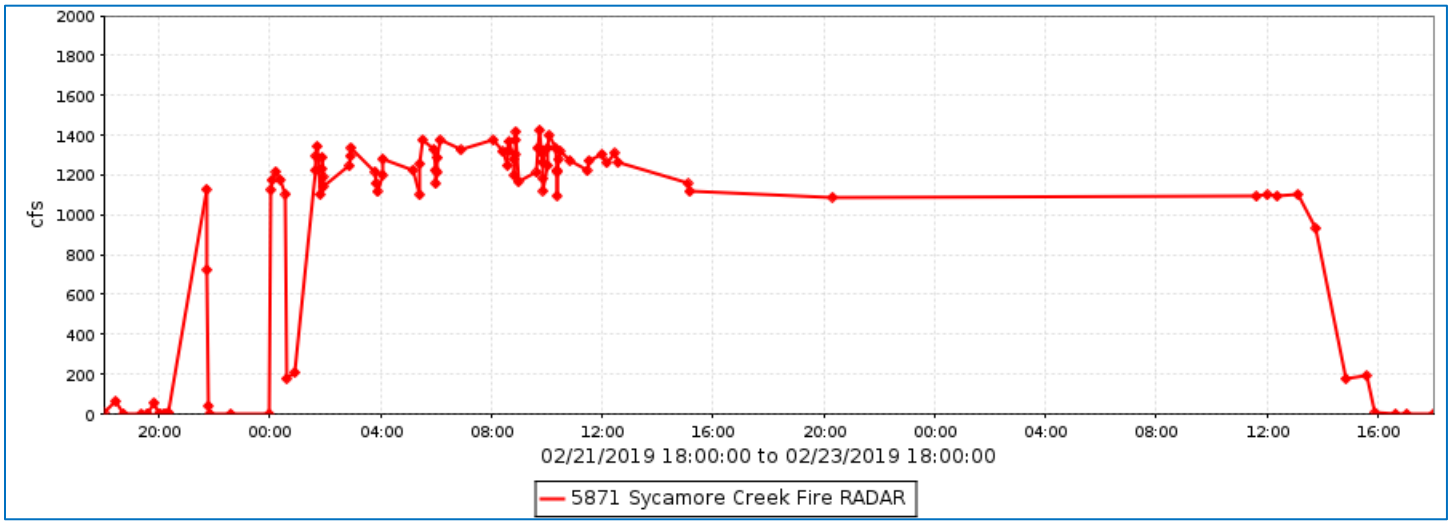




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
02/21/2019	5.12	1,130
02/22/2019	5.83	1,427

Hydrograph of peak WY 2019 flow event, 02/22/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Sycamore Creek Fire, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2						---						---
3						---						
4						---						
5						---						
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16						---						
17												
18												
19												
20												
21					4							
22					1112							
23					346							
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	1463	0	0	0	0	0	0	0
MEAN	0	0	0	0	52	0	0	0	0	0	0	0
MAX	0	0	0	0	1427	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	2901	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 1463 MEAN 4 MAX 1427 MIN 0 AC_FT 2901

Tat Momolikot Dam, ID #0773

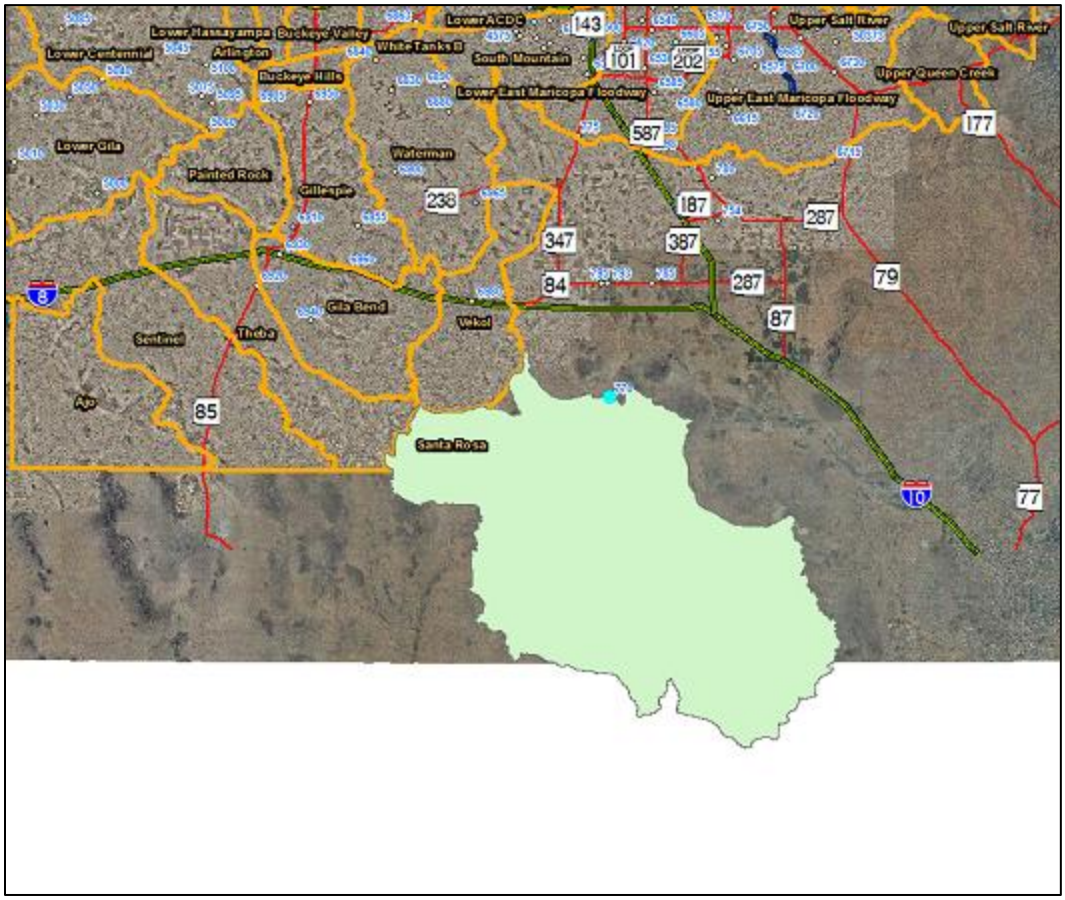


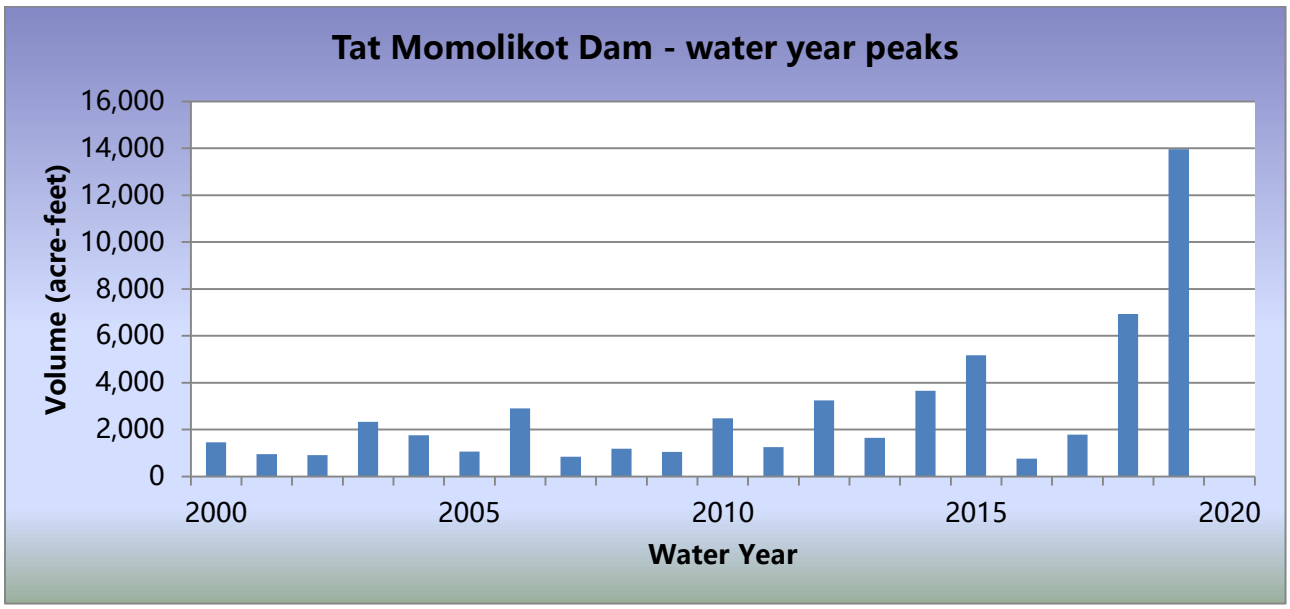
Site Data

LOCATION	On the Tohono O'Odham Reservation west of Eloy
DRAINAGE AREA	1,780 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Tohono O'Odham Reservation, Arizona
WATERSHED	Santa Rosa
SECTION/TOWNSHIP/RANGE	S14 T9S R4E
LATITUDE	N 32° 39' 00.6" | +32.65016
LONGITUDE	W 111° 55' 42.0" | -111.92833
STREAMGAGE INSTALLATION DATE	01/21/1998 - WY 1998
AVAILABLE PERIOD OF RECORD (POR)	01/19/2000 - Current
LENGTH OF AVAILABLE POR DATA	18.70 Years | 6,830 Days
DATA GAPS IN POR	01/21/1998 - 01/19/2000
STAGE GAGE ELEVATION	0.81 Feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,485.00 feet M.S.L.
PZF (LOW GATED ORIFICE)	0.0 Feet Gage Height
PZF (MIDDLE GATED ORIFICE)	8.0 Feet Gage Height
PZF (UPPER GATED ORIFICE)	16.0 Feet Gage Height
SPILLWAY ELEVATION	54.0 feet Gage Height
TOP OF DAM ELEVATION	72.5 feet Gage Height

Note: Damage to stilling well occurred in late 2018 / early 2019 which made data collection impossible after that time. Peaks in October 2018 are considered valid and good.

Watershed Map

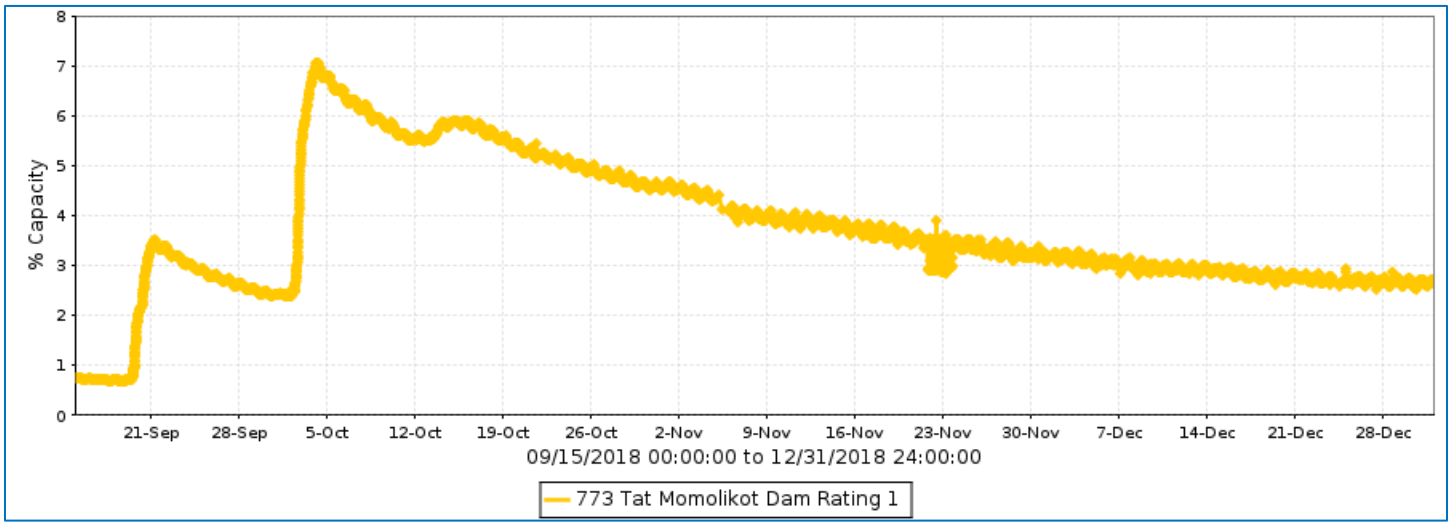




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/04/2018	21.05	13,964	7.0
10/15/2018	19.77	11,724	5.9

Hydrograph of peak WY 2019 impoundment event, October 2018



Tat Momolikot Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3					---							
4												
5												
6												
7												
8												
9												
10												
11												
12												
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17												
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21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

*Gage ID was 0768 prior to January 24, 2000.

**FCD Operated gage since January 1998. However, this float gage did not operate properly. A pressure transducer gage was installed January 24, 2000 and all previous data were deleted. Previously, the US Army Corps of Engineers, Los Angeles District maintained a gage at this location.

See also Pool Level and Storage Volume data.

Tat Momolikot Dam, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4793	9069	6255	5260	4070	3119	1874	1523	1132	744	154	
2	6014	8920	6309	5276	4045	3073	1800	1453	1119	415	243	
3	12230	8782	6225	5199	---	3049	1683	1362	1083	385	298	
4	13659	8675	6166	5128	3952	3032	1667	1314	1099	701	621	
5	13158	8412	6004	5064	4100	2985	1648	1340	1084	709	509	
6	12654	8027	5984	5043	4133	2867	1642	1375	1060	526		
7	12306	7942	5953	5024	4149	2861	1625	1427	1040	456		
8	11959	7859	5908	4948	4115	2866	1604	1428	1016	651		
9	11642	7835	5862	4932	4069	2868	1577	1421	933	617		
10	11342	7740	5820	4899	4006	2809	1565	1413	885	590		
11	11055	7692	5795	4832	3975	2736	1560	1312	875	536		
12	10979	7703	5763	4799	3945	2724	1546	1032	864	572	18	
13	11065	7607	5762	4759	3884	2521	1538	1230	886	534	34	
14	11554	7544	5744	4696	3827	2496	1523	1231	972	382	15	
15	11629	7413	5692	4667	3771	2389	1481	1264	960	141	28	
16	11552	7370	5654	4619	3780	2279	1450	1354	924	534	125	
17	11335	7239	5549	4603	3802	2230	1436	1340	939	558	504	
18	11086	7181	5517	4539	3810	2172	1417	1326	931	569	497	
19	10867	7134	5497	4539	3792	2105	1393	1312	934	545	472	
20	10604	6930	5440	4490	3757	2058	1350	1292	901	509	448	
21	10402	6916	5465	4460	3640	2041	1338	1283	881	492	434	
22	10281	6858	5403	4474	3593	2026	1335	1279	868	419	381	
23	10116	6674	5326	4453	3524	2002	1330	1279	874	431		
24	9999	6721	5282	4419	3443	1970	1316	1250	796	449		
25	9833	6693	5306	4366	3384	1949	1298	1225	823	485		
26	9687	6540	5309	4322	3287	1932	1267	1226	824	465		
27	9548	6503	5284	4269	3236	1924	1259	1194	826	488		
28	9417	6418	5293	4227	3180	1915	1257	1131	775	487		
29	9255	6360	5279	4181	---	1910	1427	1138	737	452		
30	9139	6438	5225	4127	---	1900	1544	1117	739	457		
31	9080	---	5247	4082	---	1890	---	1121	---	301		---
MEAN	10588	7440	5655	4667	3797	2410	1492	1290	926	503	154	0
MAX	13964	9264	6504	5480	4304	3248	1920	1617	1275	1003	832	127
MIN	4736	5600	5008	3680	3016	1858	1215	772	650	0	0	0

WTR YR 2019 MEAN 3248 MAX 13964 MIN 0

Tat Momolikot Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.5	17.6	15.2	14.1	12.6	11.4	9.4	7.7	5.8	3.9	1.1	0.8
2	14.7	17.4	15.3	14.1	12.6	11.3	9.0	7.3	5.7	2.5	1.5	0.8
3	20.0	17.3	15.2	14.0	---	11.3	8.5	6.9	5.6	2.2	1.7	0.8
4	20.9	17.2	15.1	13.9	12.4	11.3	8.4	6.7	5.6	3.7	3.3	0.8
5	20.6	17.0	15.0	13.8	12.6	11.2	8.3	6.8	5.6	3.7	2.9	0.8
6	20.3	16.7	15.0	13.8	12.7	11.1	8.3	7.0	5.4	2.9	0.8	0.8
7	20.2	16.6	14.9	13.8	12.7	11.1	8.2	7.2	5.3	2.5	0.8	0.8
8	19.9	16.5	14.9	13.7	12.6	11.1	8.1	7.2	5.2	3.5	0.8	0.8
9	19.7	16.5	14.8	13.7	12.6	11.1	7.9	7.2	4.8	3.3	0.8	0.8
10	19.5	16.4	14.8	13.6	12.5	11.0	7.9	7.2	4.6	3.2	0.8	0.8
11	19.2	16.4	14.7	13.5	12.5	10.9	7.9	6.7	4.5	2.9	0.8	0.8
12	19.1	16.4	14.7	13.5	12.4	10.9	7.8	5.3	4.5	3.1	0.8	0.8
13	19.2	16.3	14.7	13.4	12.4	10.7	7.8	6.3	4.6	2.9	0.9	0.8
14	19.6	16.3	14.7	13.4	12.3	10.6	7.7	6.3	5.0	2.2	0.8	0.8
15	19.7	16.2	14.6	13.3	12.2	10.5	7.5	6.4	5.0	1.3	0.9	0.8
16	19.6	16.1	14.6	13.3	12.2	10.3	7.3	6.9	4.8	2.9	1.3	0.8
17	19.4	16.0	14.4	13.3	12.3	10.3	7.3	6.8	4.9	3.0	2.7	0.8
18	19.2	16.0	14.4	13.2	12.3	10.2	7.2	6.7	4.8	3.1	2.7	0.8
19	19.1	15.9	14.4	13.2	12.2	10.1	7.1	6.7	4.8	2.9	2.6	0.8
20	18.8	15.8	14.3	13.1	12.2	10.0	6.8	6.6	4.7	2.8	2.5	0.8
21	18.7	15.8	14.3	13.1	12.1	10.0	6.8	6.5	4.6	2.7	2.4	0.8
22	18.6	15.7	14.3	13.1	12.0	10.0	6.8	6.5	4.5	2.4	2.2	0.8
23	18.4	15.6	14.2	13.1	11.9	9.9	6.7	6.5	4.5	2.4	0.8	0.8
24	18.3	15.6	14.1	13.0	11.8	9.9	6.7	6.4	4.2	2.5	0.8	0.8
25	18.2	15.6	14.1	13.0	11.7	9.8	6.6	6.2	4.3	2.6	0.8	0.8
26	18.1	15.5	14.1	12.9	11.6	9.7	6.4	6.2	4.3	2.6	0.8	0.8
27	18.0	15.4	14.1	12.8	11.5	9.6	6.4	6.1	4.3	2.7	0.8	0.8
28	17.8	15.3	14.1	12.8	11.5	9.6	6.4	5.8	4.1	2.7	0.8	0.8
29	17.7	15.3	14.1	12.7	---	9.6	7.2	5.8	3.9	2.5	0.8	0.8
30	17.6	15.4	14.0	12.7	---	9.5	7.8	5.7	3.9	2.5	0.8	0.8
31	17.6	---	14.1	12.6	---	9.5	---	5.7	---	1.9	0.8	---
MEAN	18.8	16.2	14.6	13.3	12.2	10.4	7.5	6.6	4.8	2.8	1.4	0.8
MAX	21.1	17.7	15.4	14.3	12.9	11.6	9.6	8.1	6.5	5.2	4.3	0.9
MIN	13.4	14.5	13.8	12.1	11.3	9.3	6.2	4.0	3.5	0.8	0.8	0.8

WTR YR 2019 MEAN 9.11 MAX 21.05 MIN 0.81

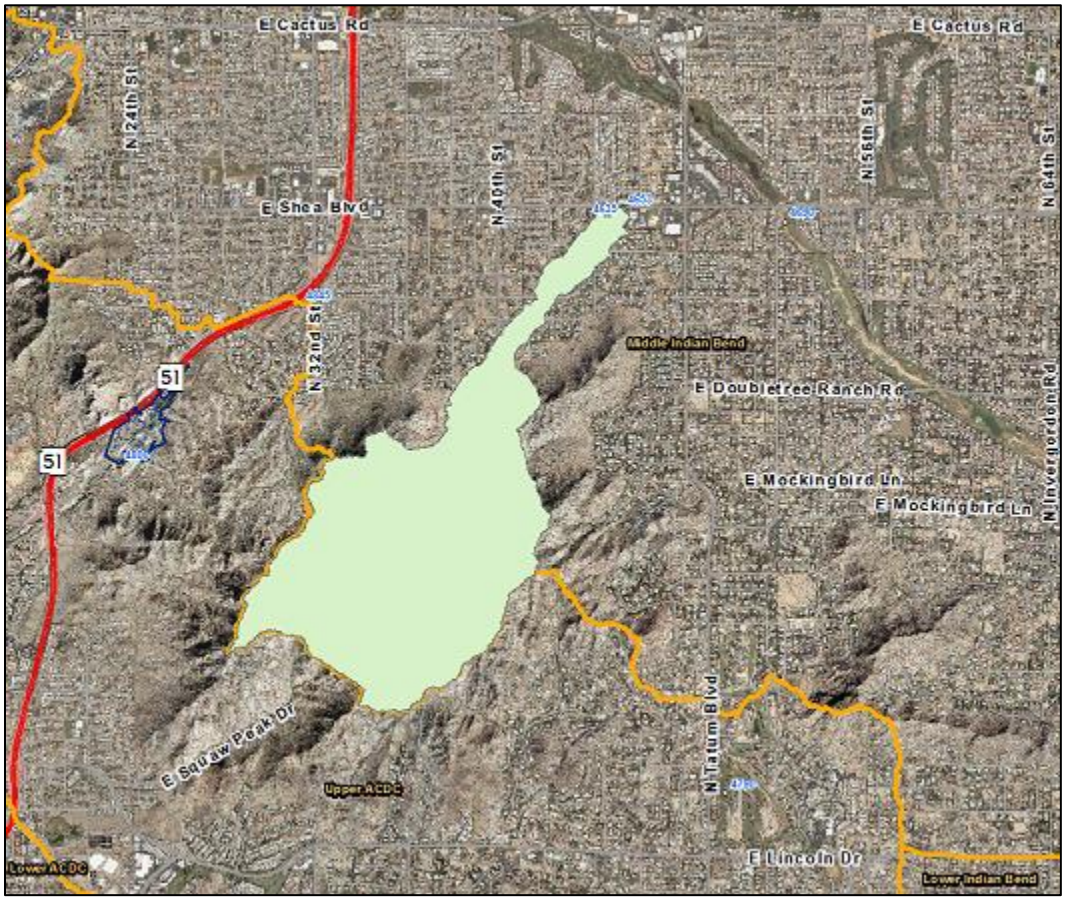
Tatum Wash Basin Inflow – ID #4638

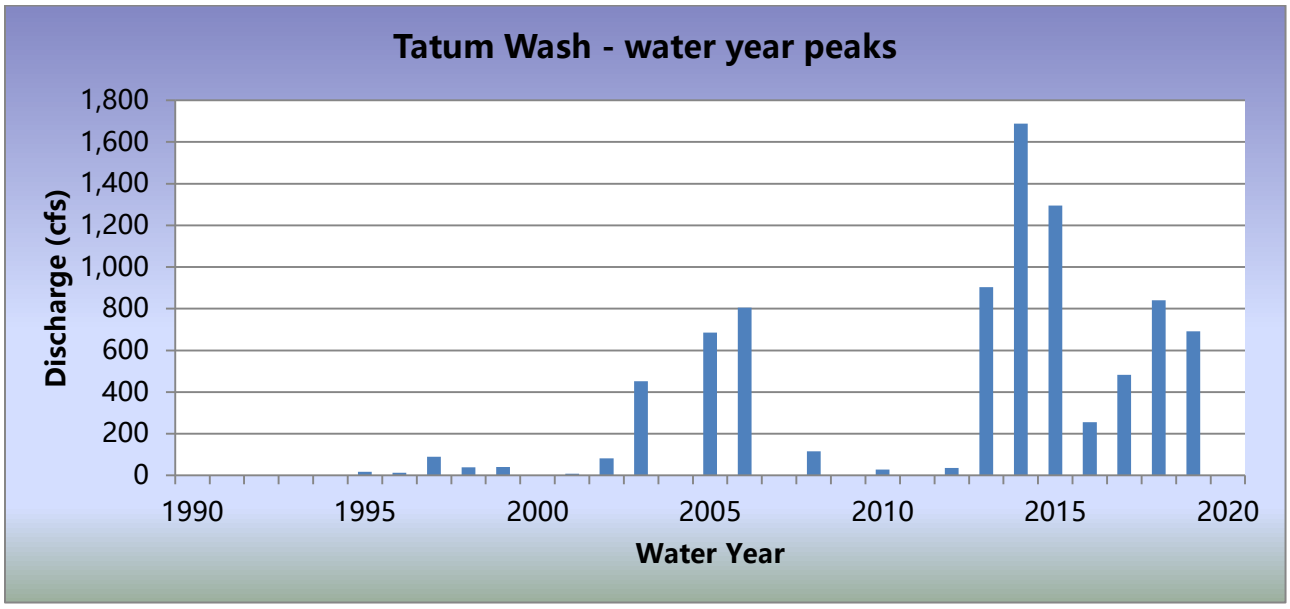


Site Data

LOCATION	Located near Shea Boulevard and 44th Street
DRAINAGE AREA	2.17 mi^2
STREAM TYPE	Engineered Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Middle Indian Bend
SECTION/TOWNSHIP/RANGE	S30 T3N R4E
LATITUDE	N 33° 34' 54.1" | +33.58169
LONGITUDE	W 111° 59' 04.3" | -111.98453
STREAMGAGE INSTALLATION DATE	06/03/1994 - WY 1994
AVAILABLE PERIOD OF RECORD (POR)	06/03/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	25.33 Years | 9,251 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,400.73 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,688 cfs | 3.68 feet | 09/08/2014

Watershed Map

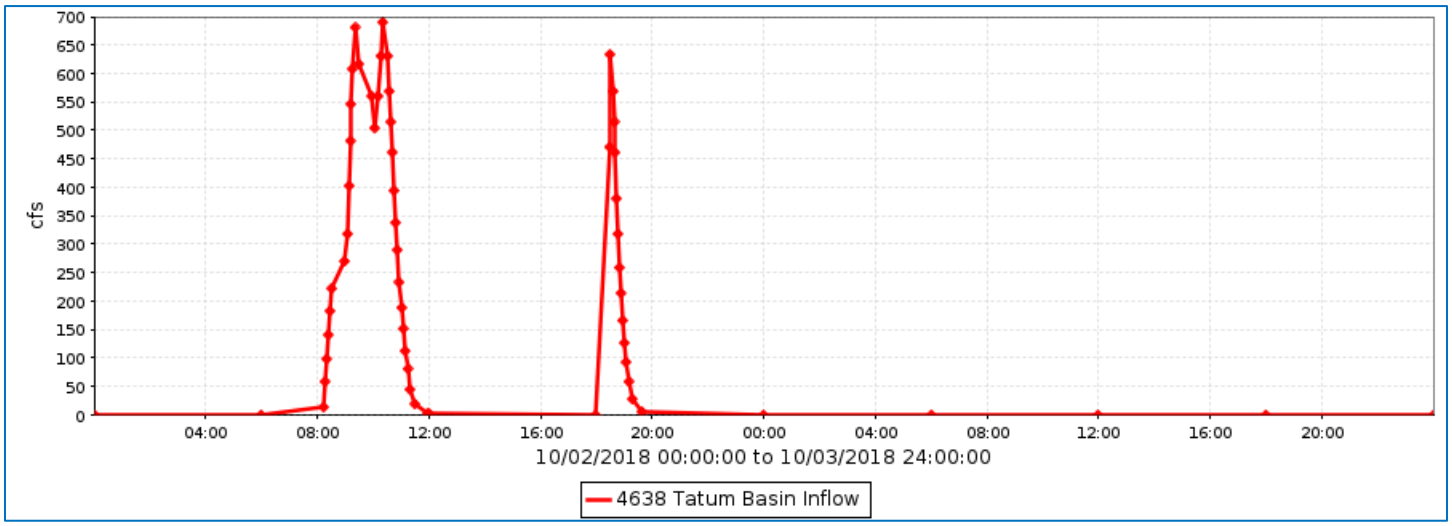




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	2.06	691
10/02/2018	1.94	633
10/07/2018	0.59	99
10/13/2018	0.47	66
09/23/2019	1.91	617

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
82	**463**	**1,080**	**2,090**	**4,280**	**6,770**

Tatum Basin Inflow, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	65											
3												
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13	3											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												11
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	71	0	0	0	0	0	0	0	0	0	0	11
MEAN	2	0	0	0	0	0	0	0	0	0	0	0
MAX	691	0	0	0	0	0	0	0	0	0	0	617
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	141	0	0	0	0	0	0	0	0	0	0	21

WTR YR 2019 TOTAL 82 MEAN 0 MAX 691 MIN 0 AC_FT 162

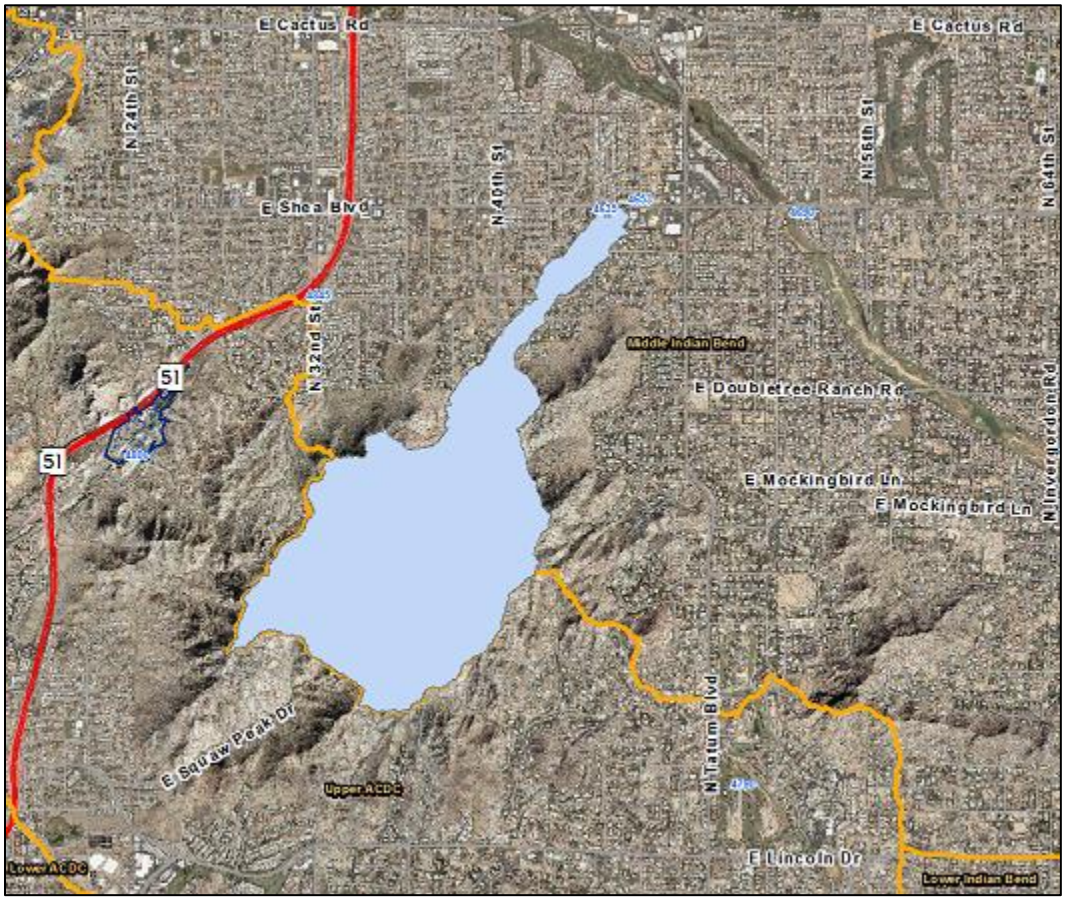
Tatum Wash Basin – ID #4653

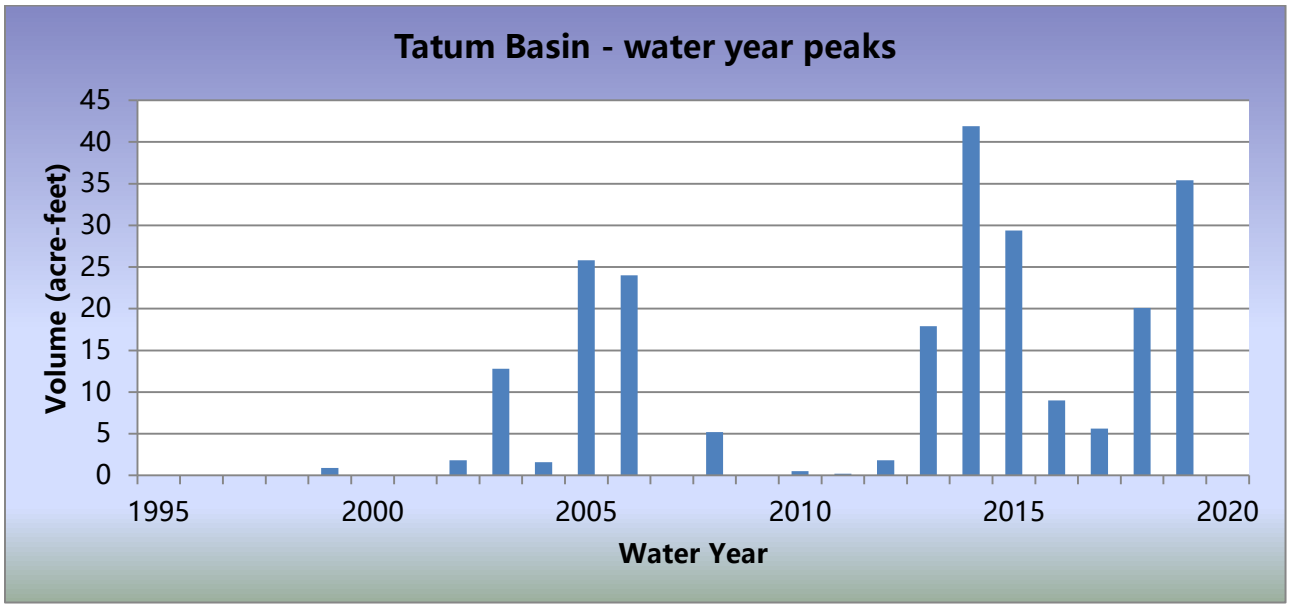


Site Data

LOCATION	Located near Shea Boulevard and 44th Street
DRAINAGE AREA	2.17 mi^2
STREAM TYPE	Flood control basin on natural stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Middle Indian Bend
SECTION/TOWNSHIP/RANGE	S30 T3N R4E
LATITUDE	N 33° 34' 56.8" | +33.58245
LONGITUDE	W 111° 59' 01.5" | -111.98376
STREAMGAGE INSTALLATION DATE	05/08/1998 - WY 1998
AVAILABLE PERIOD OF RECORD (POR)	05/08/1998 - Current
LENGTH OF AVAILABLE POR DATA DATA	21.40 Years | 7,816 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.05 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,383.27 feet NAVD88
PZF (LOWER FLAP-GATE)	0.5 feet Gage Height
PZF (UPPER FLAP-GATE)	4.5 feet Gage Height
PZF (UNCONTROLLED INLET TOWER)	11.6 feet Gage Height
SPILLWAY CREST ELEVATION	12.6 feet Gage Height
TOP OF BASIN ELEVATION	13.6 feet Gage Height

Watershed Map

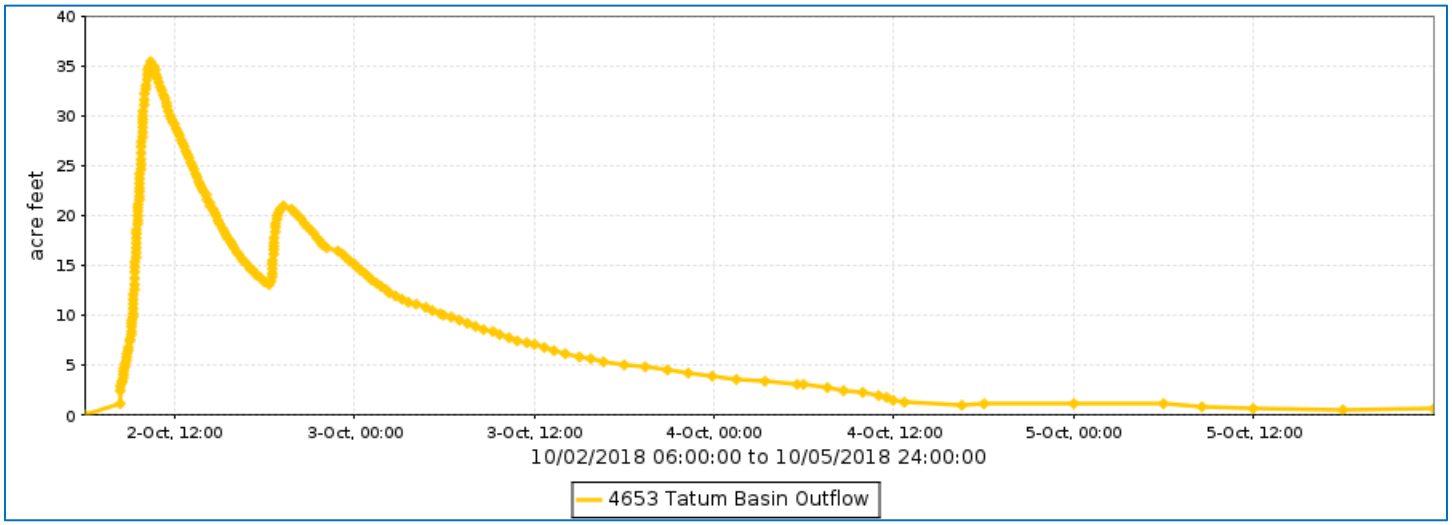




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	13.41	35.4	108.3
10/07/2018	2.71	5.7	17.4
10/13/2018	3.11	6.6	20.2
02/22/2019	1.29	2.4	7.3
09/24/2019	4.58	10.0	30.6

Hydrograph of peak WY 2019 impoundment event, 10/02/2018



Tatum Wash Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	48											
3	19											
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13	5											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												2
24												6
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	74	0	0	0	0	0	0	0	0	0	0	9
MEAN	2	0	0	0	0	0	0	0	0	0	0	0
MAX	330	0	0	0	0	0	0	0	0	0	0	26
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	147	0	0	0	0	0	0	0	0	0	0	17

WTR YR 2019 TOTAL 83 MEAN 0 MAX 330 MIN 0 AC_FT 164

Tatum Wash Basin, volume data

Volume, in acre feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	13											
3	8											
4	2											
5	1											
6												
7	3											
8	1											
9	1											
10												
11												
12												
13	2											
14	3											
15												
16												
17												
18												
19												
20												
21												
22					1							
23												1
24												4
25												1
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	35	0	0	0	2	0	0	0	0	0	0	10
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 35 MIN 0

Tatum Wash Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	5.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	3.6	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	1.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	1.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.0
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
MAX	13.4	0.1	0.1	0.1	1.3	0.1	0.1	0.1	0.1	0.1	0.1	4.6
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2019 MEAN 0.10 MAX 13.41 MIN 0.05

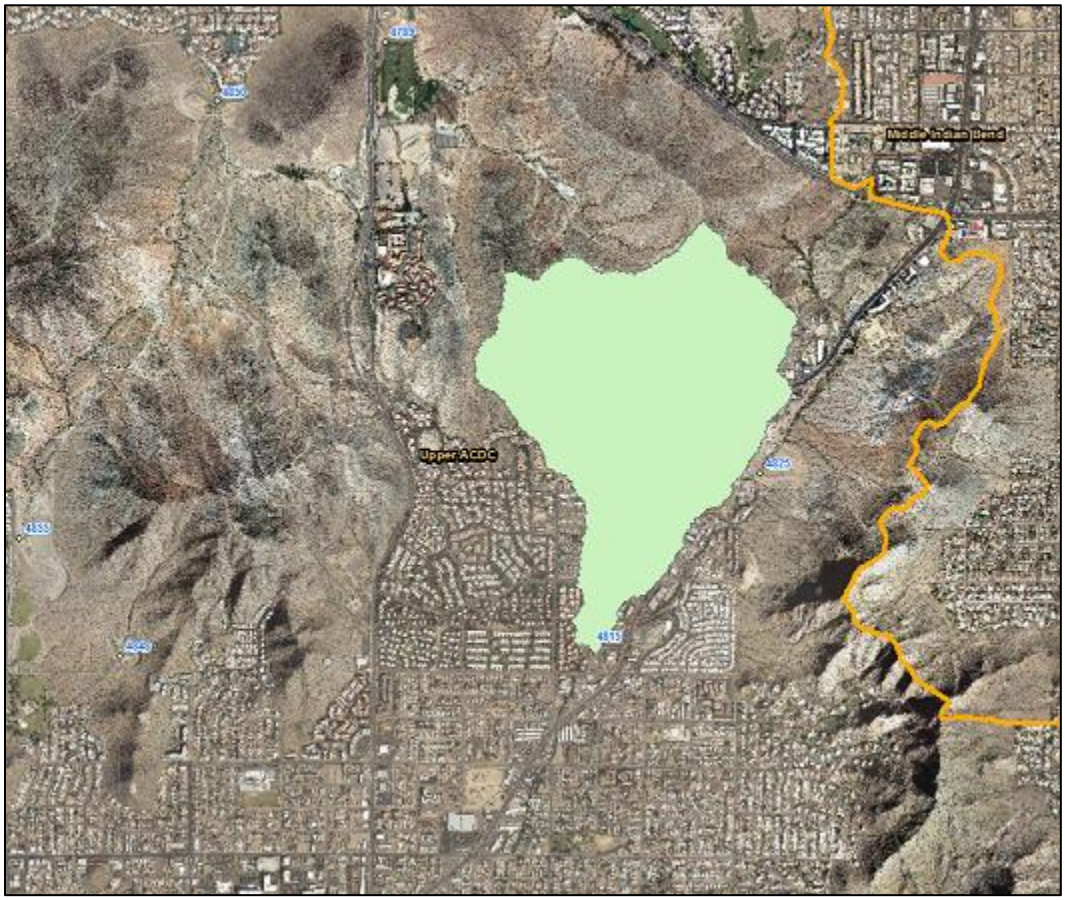
Tenth Street Wash Basin #1, ID #4818

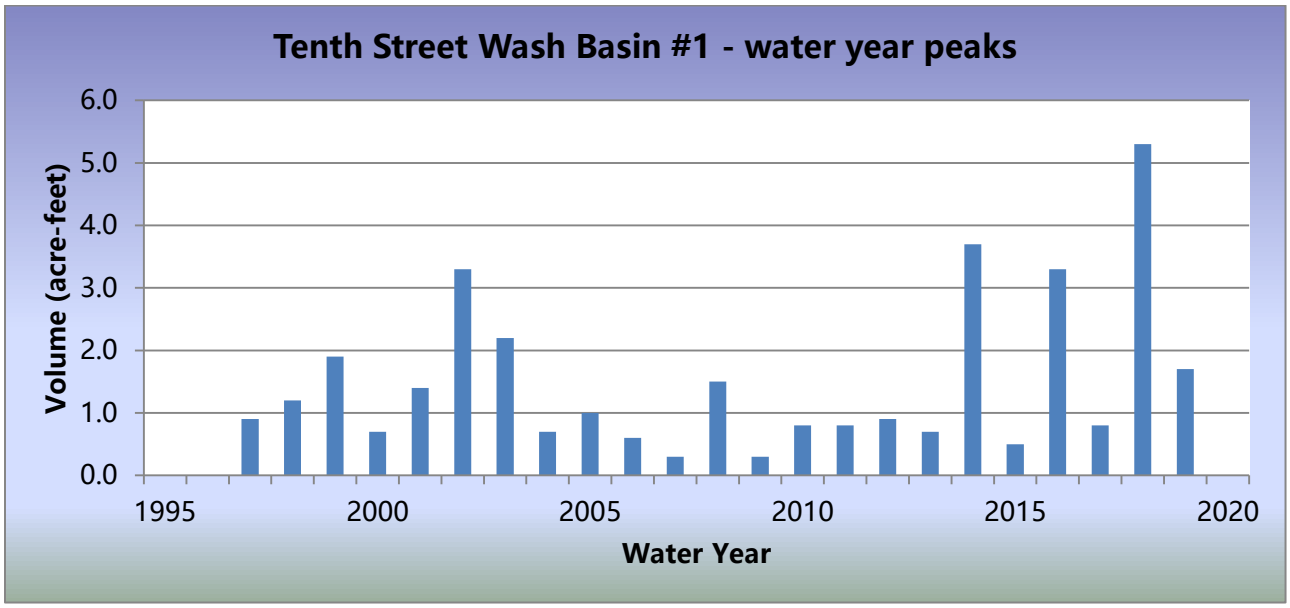


Site Data

LOCATION	Near Cave Creek Road and Peoria Avenue
DRAINAGE AREA	1.2 mi^2
STREAM TYPE	Flood control basin on natural stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S28 T3N R3E
LATITUDE	N 33° 34' 46.8" | +33.57969
LONGITUDE	W 112° 03' 17.3" | -112.05476
STREAMGAGE INSTALLATION DATE	11/26/1996 - WY 1997
AVAILABLE PERIOD OF RECORD (POR)	11/26/1996 - Current
LENGTH OF AVAILABLE POR DATA	22.84 Years | 8,344 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.33 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,308.78 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	11.5 feet Gage Height
TOP OF BASIN ELEVATION	13.2 feet Gage Height

Watershed Map

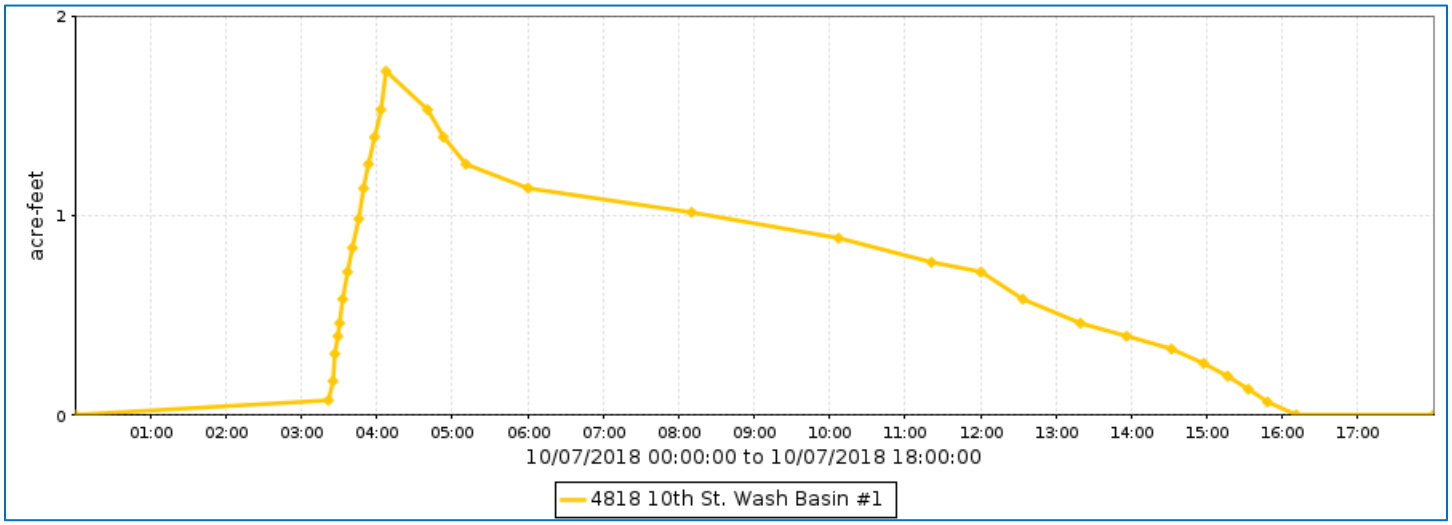




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	2.34	1.7	7.9
10/07/2018	2.37	1.7	7.9
10/13/2018	1.75	1.0	4.6
02/21/2019	0.57	0.1	0.5
02/22/2019	0.87	0.1	0.5
03/12/2019	1.10	0.4	1.9
08/29/2019	1.67	0.9	4.2
09/23/2019	1.85	1.1	5.1
09/26/2019	0.90	0.3	1.4

Hydrograph of peak WY 2019 impoundment event, 10/07/2018



Tenth Street Wash Basin #1, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	9											
3	2											
4												
5												
6												
7	6											
8												
9												
10												
11												
12						1						
13	3											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												3
24												4
25												
26												
27						---						
28												
29					---						4	
30					---							
31		---			---		---		---			---
TOTAL	19	0	0	0	0	1	0	0	0	0	4	7
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	21	0	0	0	1	6	0	0	0	0	12	14
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	39	0	0	0	0	1	0	0	0	0	9	14

WTR YR 2019 TOTAL 32 MEAN 0 MAX 21 MIN 0 AC_FT 63

Tenth Street Wash Basin #1, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27						---						
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	2	0	0	0	0	0	0	0	0	0	1	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 2 MIN 0

Tenth Street Wash Basin #1, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	1.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
13	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
27	0.3	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.8	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
MAX	2.4	0.3	0.3	0.3	0.9	1.1	0.3	0.3	0.3	0.3	1.7	1.9
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

WTR YR 2019 MEAN 0.34 MAX 2.37 MIN 0.33

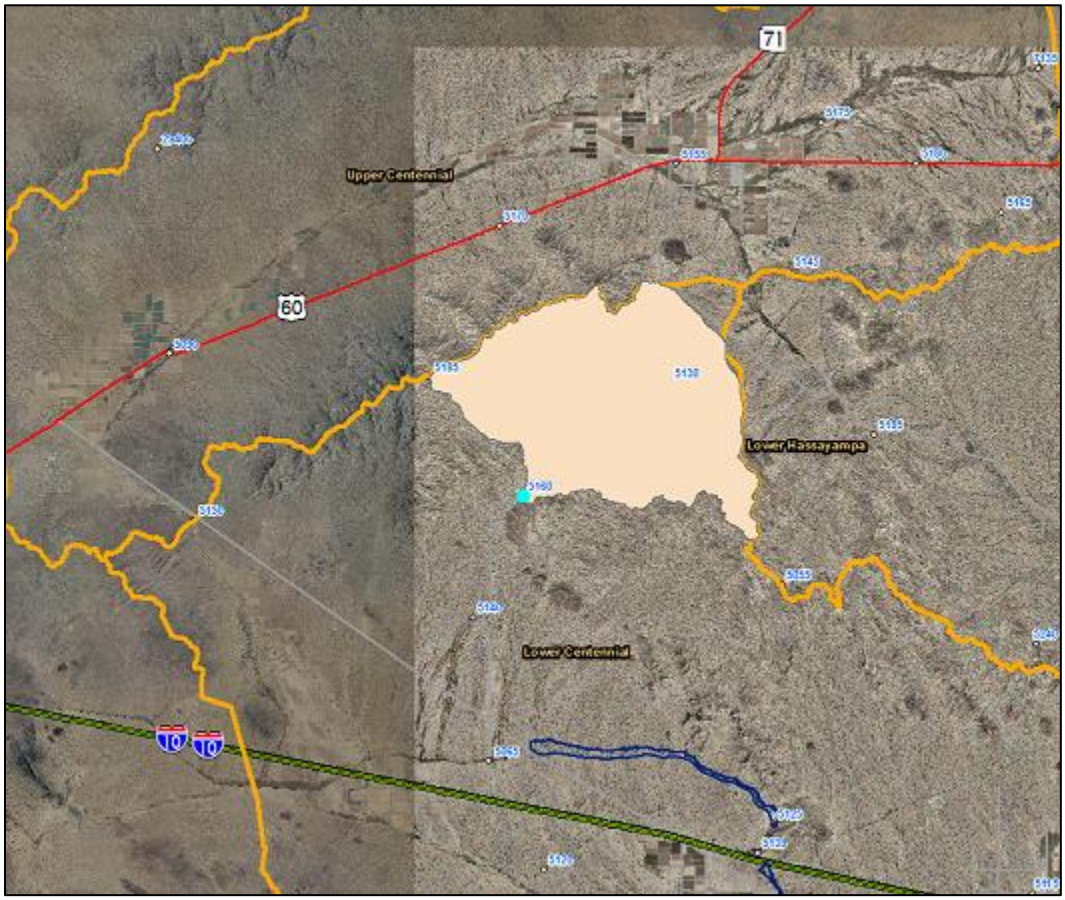
Tiger Wash, ID #5163

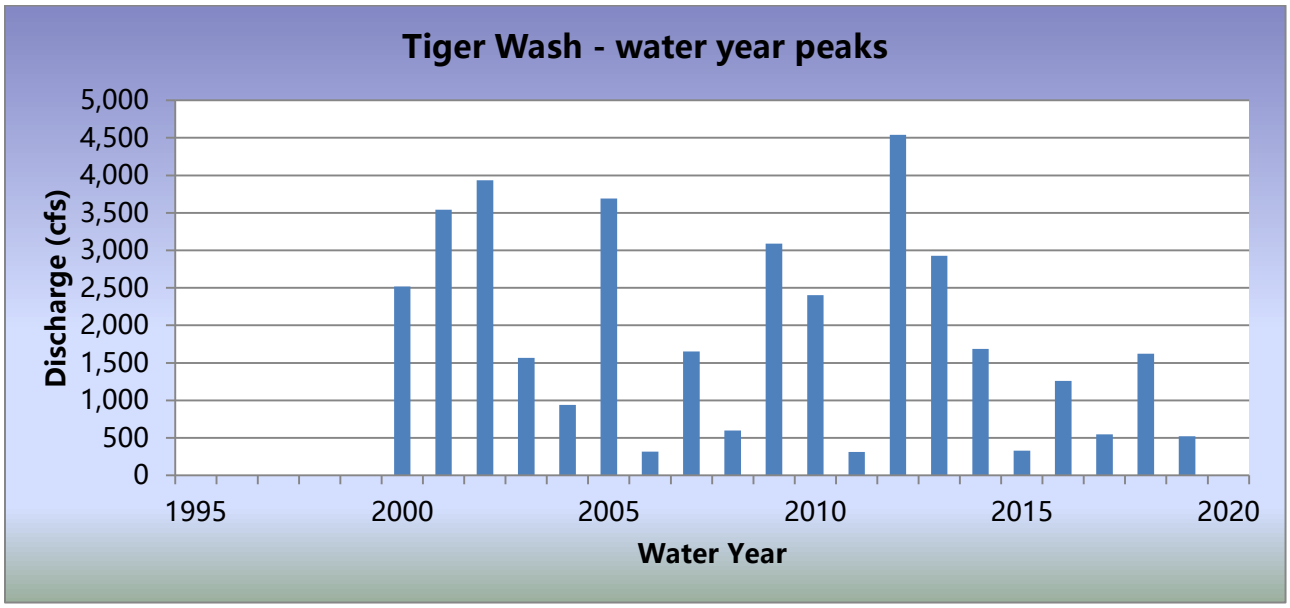


Site Data

LOCATION	Near Eagle Eye Road about 10 miles north of Salome Road
DRAINAGE AREA	85 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S26 T5N R10W
LATITUDE	N 33° 44' 30.3" | +33.74175
LONGITUDE	W 113° 16' 42.8" | -113.27855
STREAMGAGE INSTALLATION DATE	09/15/1999 - WY 1999
AVAILABLE PERIOD OF RECORD (POR)	09/15/1999 - Current
LENGTH OF AVAILABLE POR DATA	20.04 Years | 7,321 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	4.73 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	6 (Continuous Slope Area type)
ZERO GAGE HEIGHT ELEVATION	1,866.15 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	4,541 cfs | 9.28 feet | 07/14/2012
EXTREME OUTSIDE PERIOD OF RECORD	7,778 cfs | 10.07 feet | 09/26/1997

Watershed Map

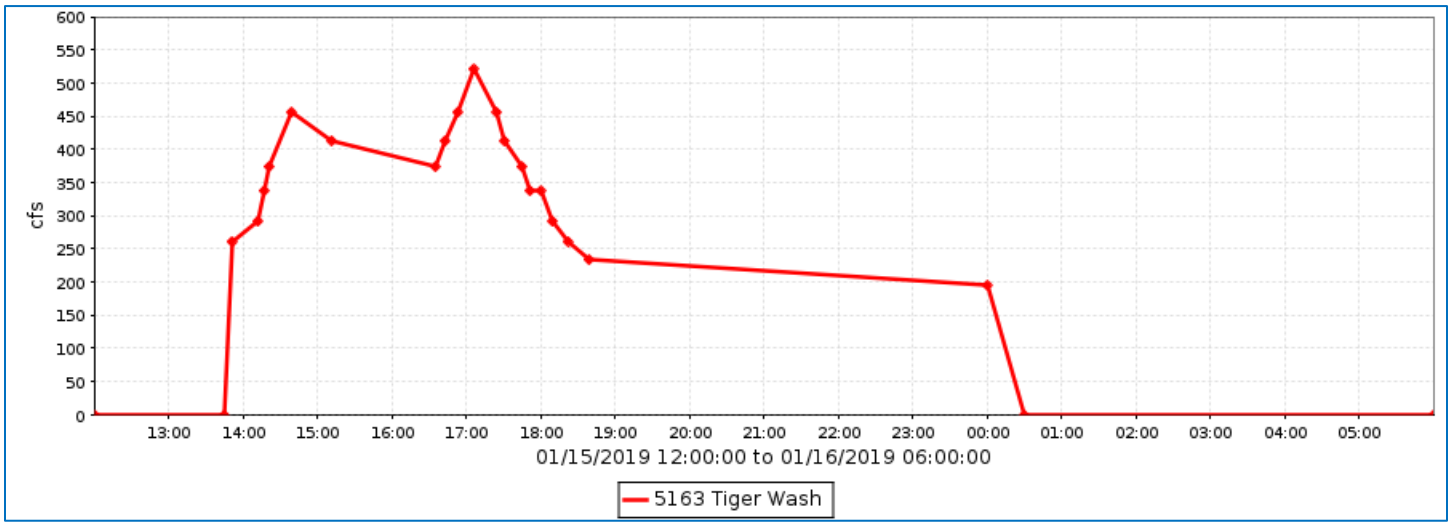




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/13/2018	5.02	248
01/15/2019	5.75	521
02/08/2019	5.22	307
02/12/2019	5.41	374
02/22/2019	4.92	220

Hydrograph of peak WY 2019 flow event, 01/15/2019



Flood Flow Frequency

Flood Flow Frequency N=47, HEC-WRC computation (based on 47 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,090	**2,800**	**4,320**	**6,000**	**8,400**	**10,300**

NOTE: These results are based on limited data.

Tiger Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8					59							
9												
10												
11												
12					21							
13	12											
14												
15				130								
16				4			---					
17							---					
18												
19	---											
20	---											
21					6							
22					103							
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	12	0	0	134	189	0	0	0	0	0	0	0
MEAN	0	0	0	4	7	0	0	0	0	0	0	0
MAX	248	0	0	521	374	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	23	0	0	266	375	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 335 MEAN 1 MAX 521 MIN 0 AC_FT 665

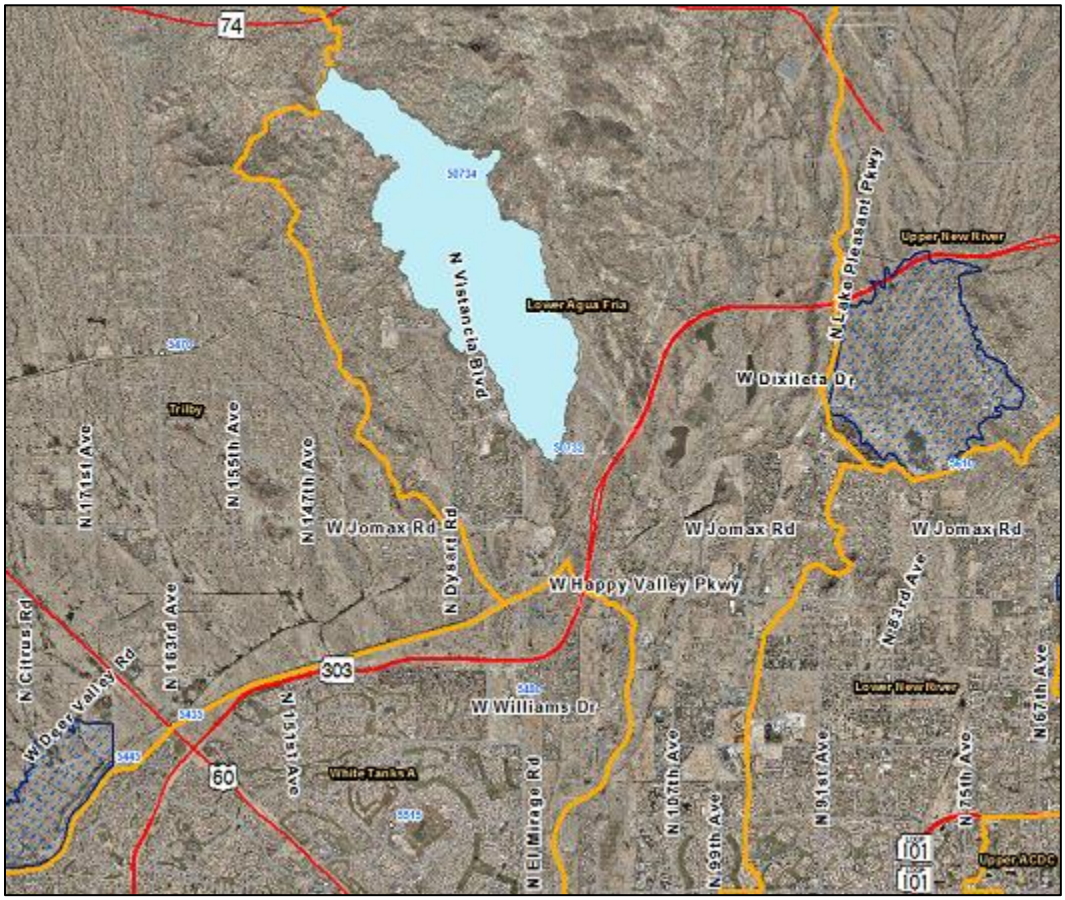
Twin Buttes Wash, ID #73207

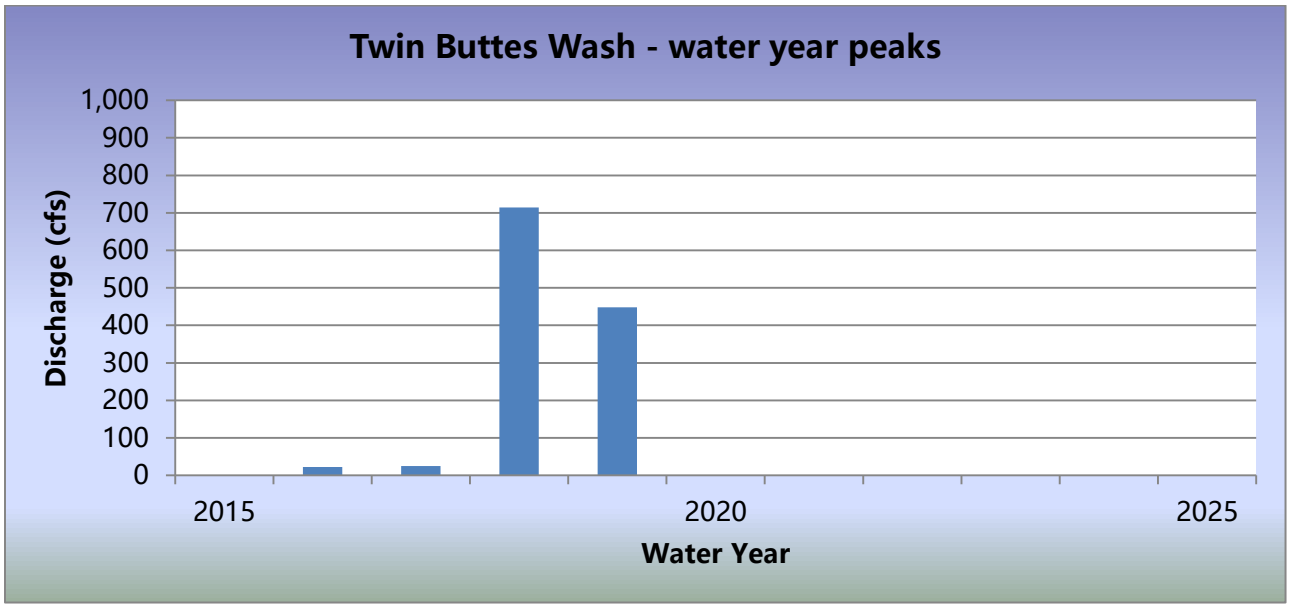


Site Data

LOCATION	Located on Vistancia Blvd. about 2 miles northwest of the Loop 303
DRAINAGE AREA	7.1 mi^2
STREAM TYPE	Natural
JURISDICTION	Peoria, Arizona
WATERSHED	Lower Agua Fria
SECTION/TOWNSHIP/RANGE	S25 T5N R1W
LATITUDE	N 33° 44' 18.4" | +33.73843
LONGITUDE	W 112° 19' 10.4" | -112.31956
STREAMGAGE INSTALLATION DATE	10/29/2015 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	12/09/2015 - Current
LENGTH OF AVAILABLE POR DATA	3.81 Years | 1,392 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.75 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,346.36 feet NAVD88
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	714 cfs | 3.93 feet Gage Height | 08/12/2018

Watershed Map

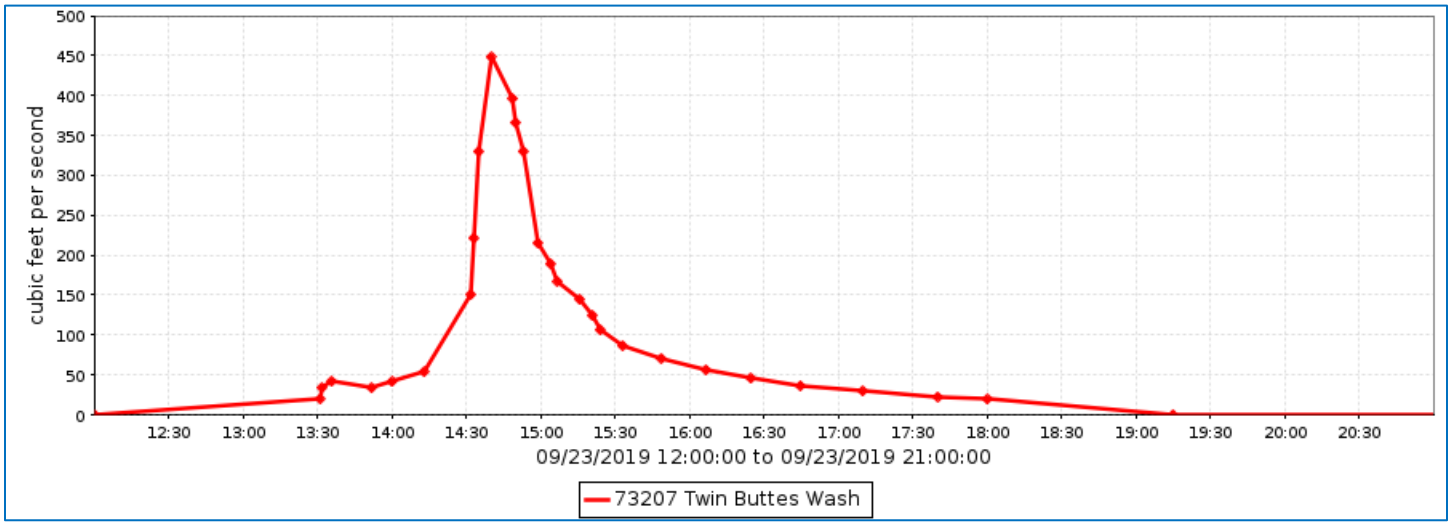




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	1.75	113
10/23/2018	2.29	215
09/23/2019	3.17	448

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Twin Buttes Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	15											
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23	13											18
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	28	0	0	0	0	0	0	0	0	0	0	18
MEAN	1	0	0	0	0	0	0	0	0	0	0	1
MAX	215	0	0	0	0	0	0	0	0	0	0	448
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	56	0	0	0	0	0	0	0	0	0	0	36

WTR YR 2019 TOTAL 46 MEAN 0 MAX 448 MIN 0 AC_FT 91

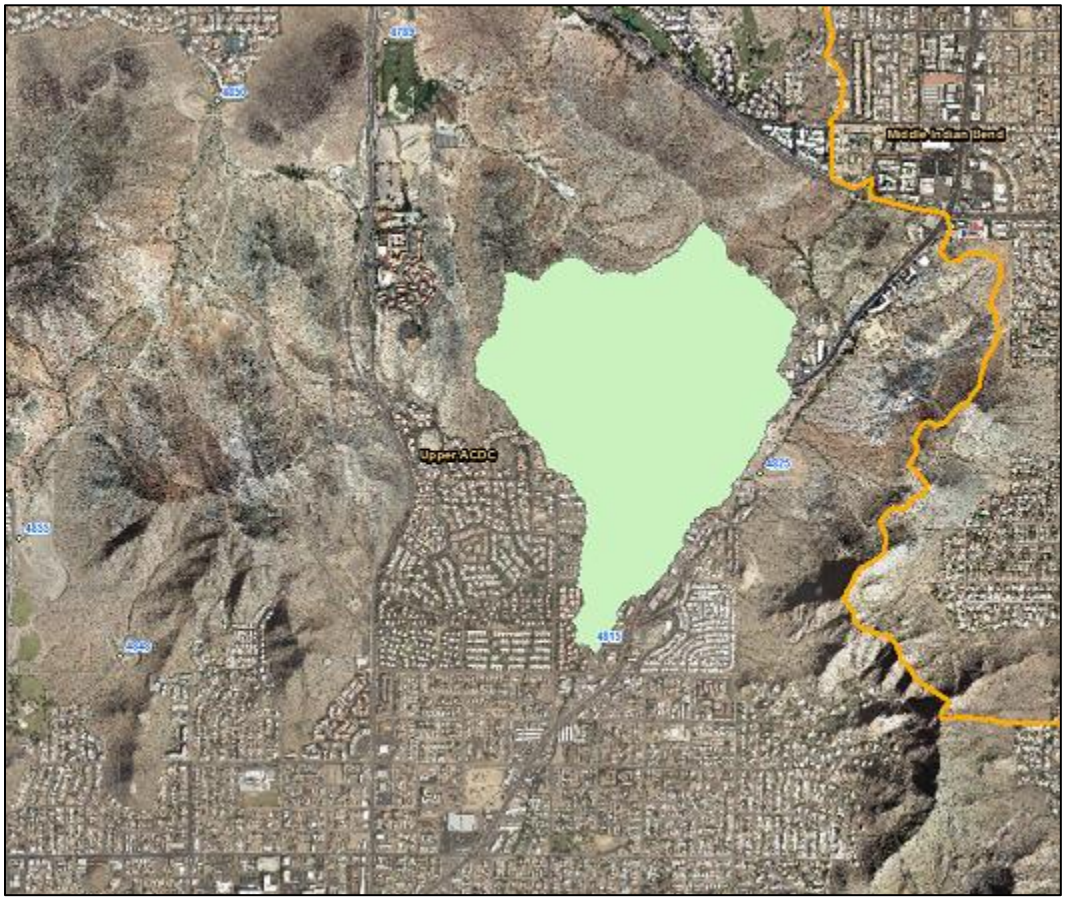
University Drive at 62nd Street Basin, ID #34607

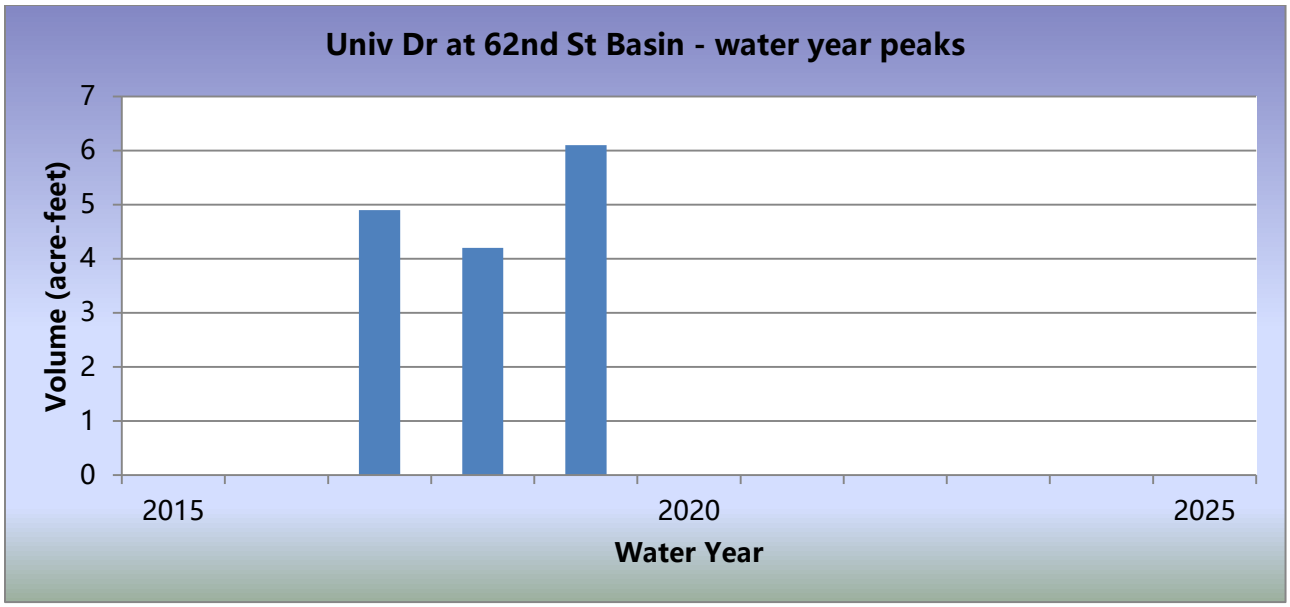


Site Data

LOCATION	On University Drive east of Recker Road
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Mesa, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S13 T1N R6E
LATITUDE	N 33° 25' 23.6" | +33.42321
LONGITUDE	W 111° 41' 47.3" | -111.69647
STREAMGAGE INSTALLATION DATE	12/22/2016 – WY2017
AVAILABLE PERIOD OF RECORD (POR)	12/22/2016 – Current
LENGTH OF AVAILABLE POR DATA	2.77 Years | 1,013 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.25 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,392.00 feet NAVD88
POINT OF ZERO FLOW	0.2 feet Gage Height
SPILLWAY CREST ELEVATION	12.0 feet Gage Height
TOP OF BASIN ELEVATION	12.5 feet Gage Height

Watershed Map

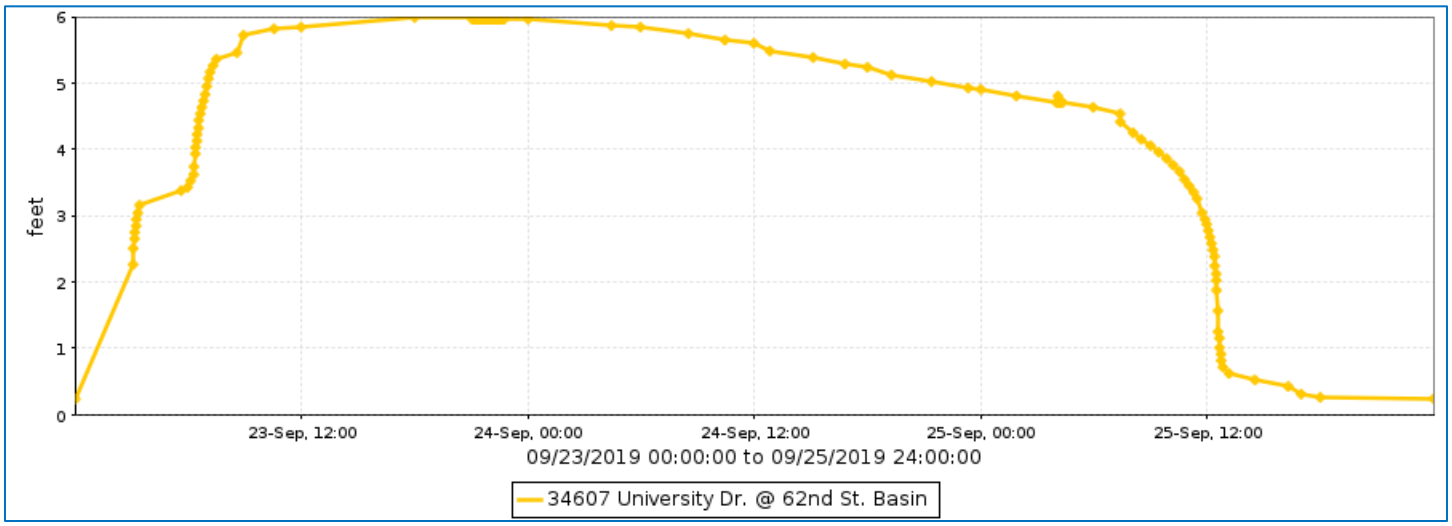




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/01/2018	0.78	0.0	0.0
10/02/2018	2.75	0.1	0.4
10/03/2018	3.35	0.1	0.4
10/07/2018	2.00	0.0	0.0
10/13/2018	3.42	0.1	0.4
11/30/2018	1.33	0.0	0.0
12/31/2018	1.03	0.0	0.0
01/06/2019	1.65	0.0	0.0
02/03/2019	1.15	0.0	0.0
02/06/2019	1.00	0.0	0.0
02/22/2019	3.67	0.2	0.8
03/12/2019	1.10	0.0	0.0
04/17/2019	1.30	0.0	0.0
07/22/2019	1.20	0.0	0.0
07/30/2019	1.57	0.0	0.0
08/04/2019	0.97	0.0	0.0
08/29/2019	4.41	0.7	2.8
09/23/2019	5.99	6.1	24.6

Hydrograph of peak WY 2019 impoundment event, 09/23/2019



University Drive at 62nd Street Basin, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											
3	1											
4												
5												
6				1								
7	1											
8												
9												
10												
11												
12						1						
13	2											
14												
15												
16												
17												
18												
19												
20												
21					1							
22					3							
23												6
24												7
25												3
26												
27												
28											1	
29					---						5	
30					---						4	
31		---			---		---		---			---
TOTAL	5	0	0	1	6	1	0	0	0	1	10	15
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	4	2	1	2	5	1	2	0	0	2	5	7
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	9	1	0	2	12	1	1	0	0	1	19	30

WTR YR 2019 TOTAL 39 MEAN 0 MAX 7 MIN 0 AC_FT 77

University Drive at 62nd Street Basin, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												4
24												5
25												1
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	1	6
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 6 MIN 0

University Drive at 62nd Street Basin, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.4	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	1.1	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.3	0.2
4	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.2
5	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.9	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.7	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2
13	1.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	2.7	0.2	0.2	0.2	0.2	0.3	0.2	0.2
23	0.2	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.4	0.2	4.7
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	5.6
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.5
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	4.2	0.2
30	0.2	0.5	0.2	0.2	---	0.2	0.2	0.2	0.2	0.3	3.2	0.2
31	0.2	---	0.4	0.2	---	0.2	---	0.2	---	0.5	0.4	---
MEAN	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.3	0.5	0.6
MAX	3.4	1.3	1.0	1.6	3.7	1.1	1.3	0.2	0.2	1.6	4.4	6.0
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.33 MAX 5.99 MIN 0.25

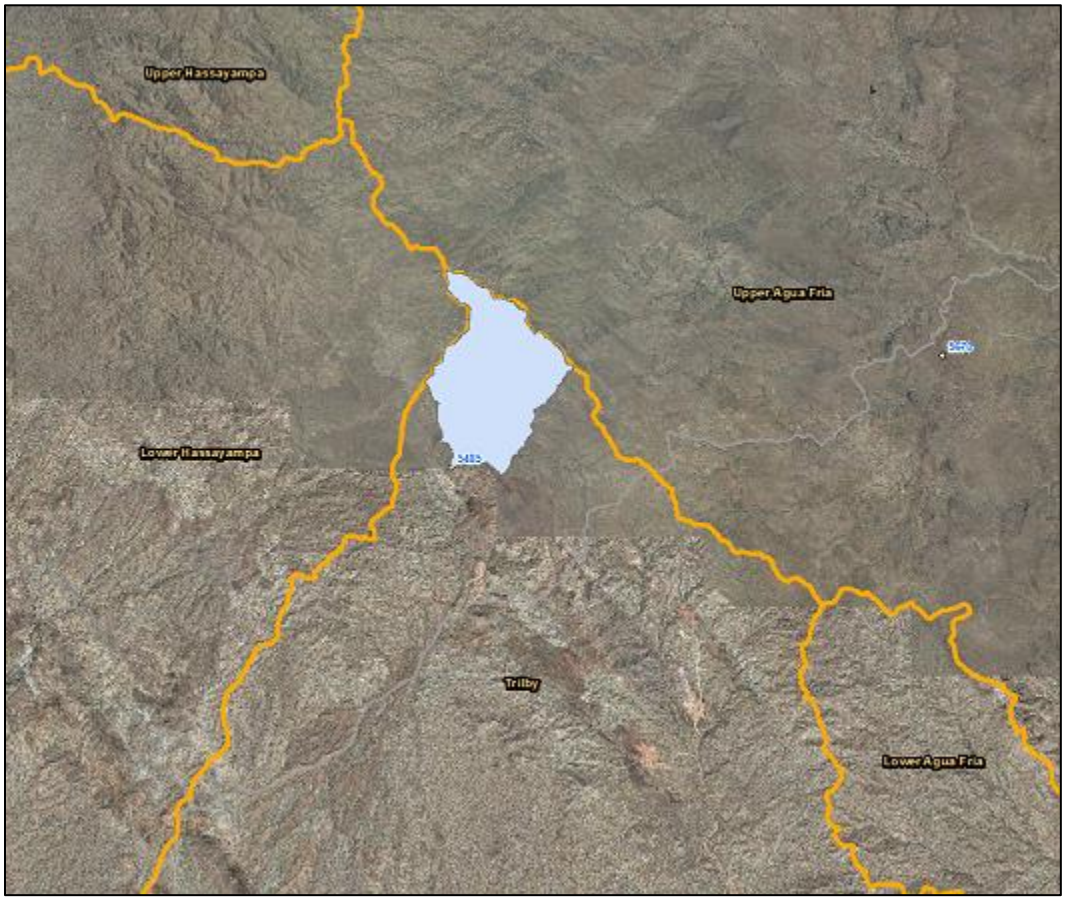
Upper Trilby Wash, ID #5488

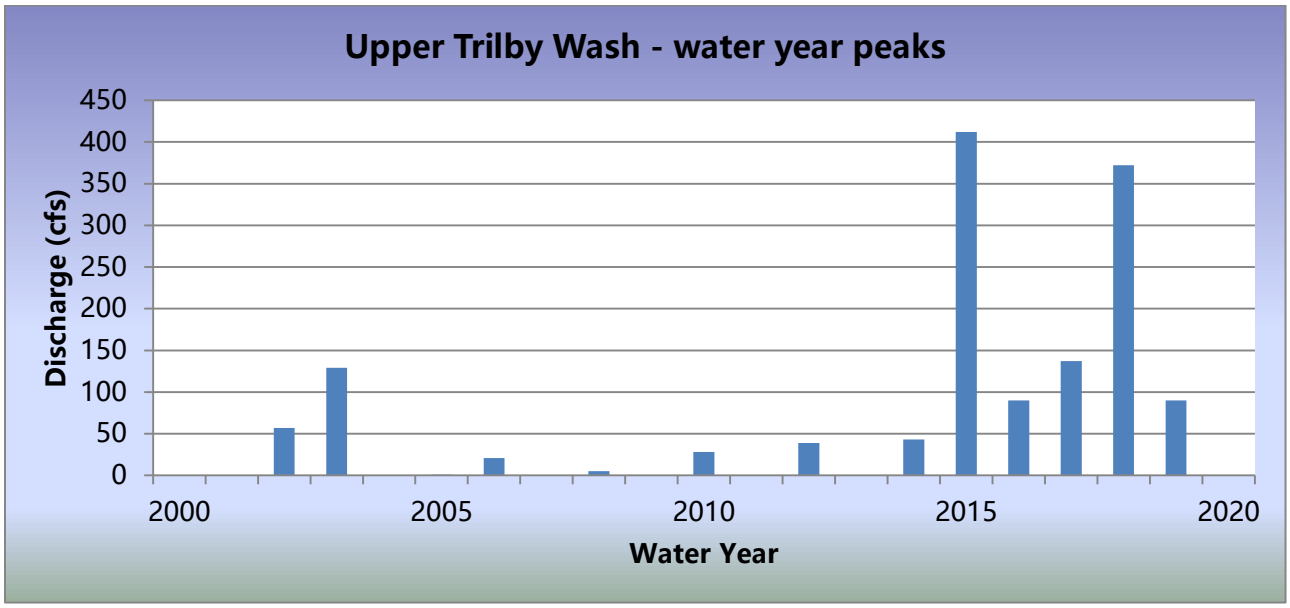


Site Data

LOCATION	Located about 3 miles north of Castle Hot Springs Road
DRAINAGE AREA	3.0 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S12 T7N R3W
LATITUDE	N 33° 57' 37.5" | +33.96042
LONGITUDE	W 112° 31' 45.3" | -112.52925
STREAMGAGE INSTALLATION DATE	09/26/2001 - WY 2001
AVAILABLE PERIOD OF RECORD (POR)	09/26/2001 - Current
LENGTH OF AVAILABLE POR DATA	18.01 Years | 6,579 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.90 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	3,030.53 feet NAVD88
POINT OF ZERO FLOW	1.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	412 cfs | 2.40 feet | 07/18/2015

Watershed Map

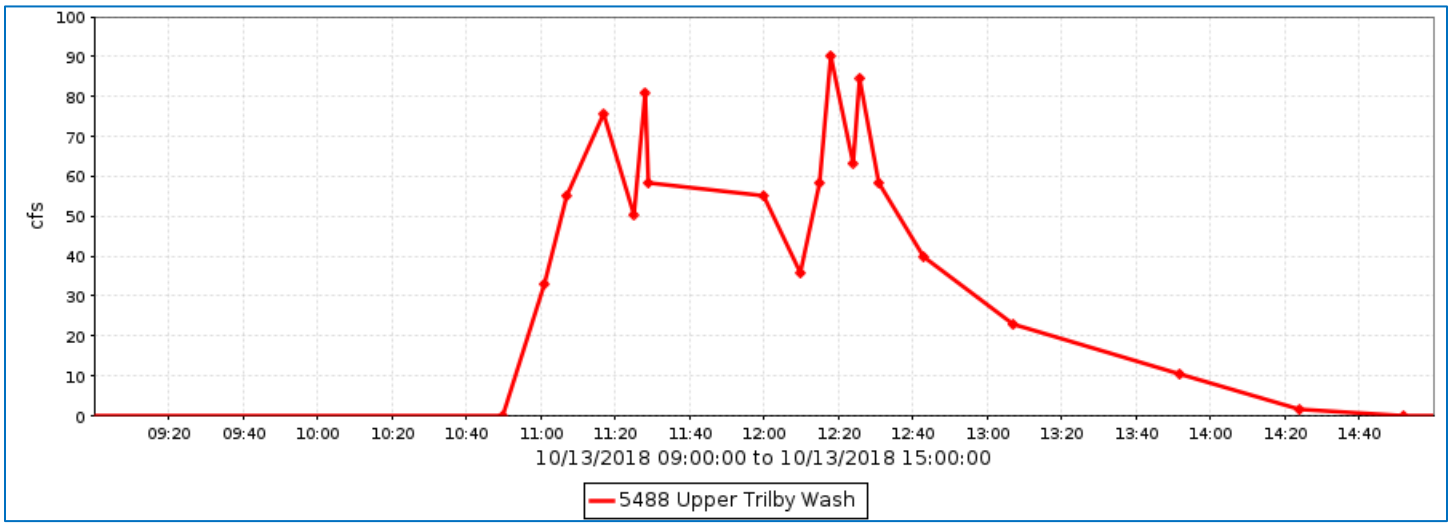




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/13/2018	1.63	90
09/26/2019	0.70	130

Hydrograph of peak WY 2019 flow event, 10/13/2018



Flood Flow Frequency

Flood Flow Frequency N=18, HEC-WRC computation (based on 18 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
22	**108**	**244**	**477**	**1,010**	**1,650**

NOTE: These results are based on very limited data.

Upper Trilby Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	6											
14					3							
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												6
27												
28												
29		19			---							
30					---							
31		---			---		---		---			---
TOTAL	6	19	0	0	3	0	0	0	0	0	0	5
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	90	295	0	0	15	0	0	0	0	0	0	60
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	12	39	0	0	6	0	0	0	0	0	0	10

WTR YR 2019 TOTAL 33 MEAN 0 MAX 295 MIN 0 AC_FT 66

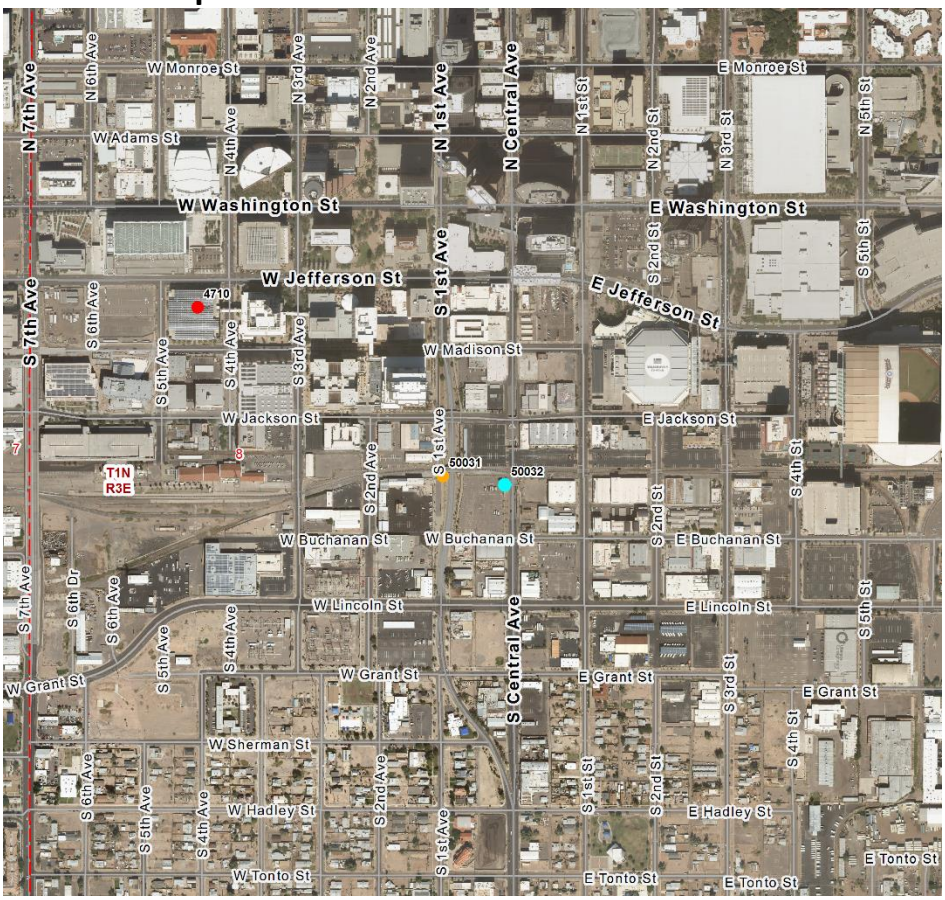
UPRR Underpass at First Avenue, ID #3107

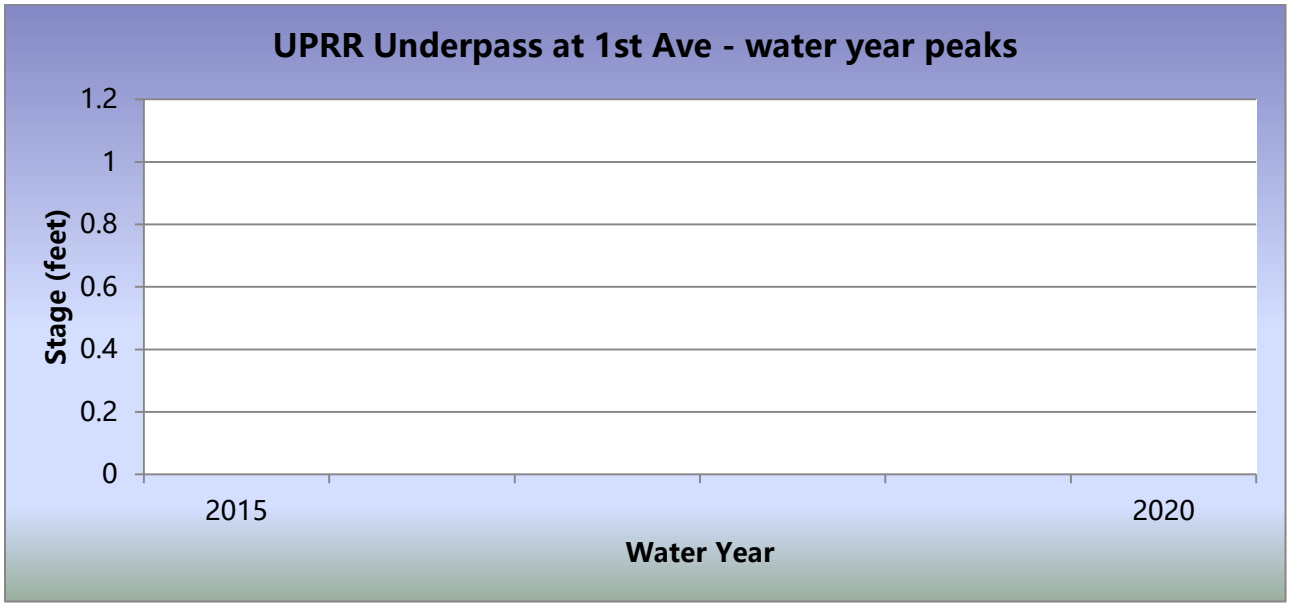


Site Data

LOCATION	Near First Avenue and Jackson Street
DRAINAGE AREA	None
STREAM TYPE	Roadway Underpass
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower Arizona Canal Diversion Channel
SECTION/TOWNSHIP/RANGE	S08 T1N R3E
LATITUDE	N 33° 26' 39.4" | +33.44429
LONGITUDE	W 112° 04' 29.0" | -112.07472
STREAMGAGE INSTALLATION DATE	05/30/2017 – WY2017
AVAILABLE PERIOD OF RECORD (POR)	05/30/2017 – Current
LENGTH OF AVAILABLE POR DATA	2.34 Years | 854 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-9.83 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
MINIMUM ROADWAY ELEVATION	0.0 feet Gage Height

Location Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
No Events	Above Street	Level	

Hydrograph of peak WY 2019 impoundment event

No event recorded in Water Year 2019.

UPRR Underpass at First Avenue, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-9.8	-5.9	---	-2.9	-3.8	-4.6	-5.6	-4.2	-5.1	-3.2	-5.8	-1.3
2	-9.8	-5.9	---	-3.0	-4.1	-4.6	-5.6	-4.3	-5.1	-3.2	-5.8	-1.0
3	-9.8	-5.9	---	-3.0	-5.3	-4.6	-5.6	-4.3	-5.1	-3.2	-5.6	-1.1
4	-9.8	---	-4.1	-3.2	-4.7	-4.6	-5.6	-4.3	-5.1	-3.2	-3.2	-1.2
5	-9.8	---	---	-3.2	-4.7	-4.6	-5.6	-4.3	-5.1	-3.2	-3.2	-1.3
6	-9.8	---	-3.9	-4.7	-2.9	-4.6	-5.6	-4.3	-5.2	-3.2	-3.3	-1.3
7	-9.8	---	-3.7	-4.6	-2.9	-4.6	-5.6	-2.9	-5.1	-3.2	-3.3	-1.4
8	-9.8	---	-3.7	-4.6	-3.0	-4.6	-5.6	-2.3	-5.1	-3.2	-3.3	-1.4
9	-9.8	---	-3.7	-4.6	-3.8	-4.7	-5.6	-2.3	-5.1	-3.2	-3.3	-1.4
10	-9.8	---	-3.7	-4.6	-6.2	-4.7	-5.6	-2.3	-5.1	-3.2	-3.4	-1.5
11	-9.8	---	-3.7	-4.6	-6.2	-4.7	-5.6	-2.4	-5.1	-3.3	-3.4	-1.5
12	-9.8	---	-3.8	-4.6	-6.2	-5.2	-5.6	-4.8	-5.1	-3.3	-3.4	-1.5
13	-9.8	---	-3.8	-3.8	-6.2	-5.6	-5.6	-4.8	-3.1	-3.3	-3.4	-1.5
14	-9.8	---	-3.8	-3.8	-5.8	-5.6	-5.6	-4.8	-3.0	-3.3	---	-1.5
15	-9.8	---	-3.8	-3.5	-4.7	-5.6	-5.6	-4.7	-3.0	-3.3	---	-1.6
16	-6.8	---	-3.8	-3.0	-4.7	-5.6	-5.6	-4.5	-3.0	-3.3	---	-1.4
17	-4.8	---	-3.8	-3.4	-4.7	-5.6	-5.6	-4.5	-3.0	-3.3	---	-0.8
18	-4.8	---	-3.8	-3.5	-3.3	-5.6	-5.6	-4.5	-3.0	-3.3	---	-0.9
19	-4.8	---	-3.8	-3.5	-2.9	-5.6	-5.6	-4.5	-3.0	-3.3	---	-0.9
20	---	---	-3.8	-3.6	-2.9	-5.6	-5.6	-4.5	-3.1	-3.3	-3.5	-0.9
21	---	---	-3.8	-3.6	-4.8	-5.6	-5.6	-4.5	-3.1	-3.3	-3.5	-0.8
22	---	---	-3.8	-3.6	-5.1	-5.6	-5.6	-4.5	-3.1	-3.3	-3.5	-0.8
23	---	---	-3.8	-3.7	-4.6	-5.6	-5.6	-5.2	-3.1	-3.3	-3.5	-0.8
24	---	---	-3.8	-3.7	-4.6	-5.6	-5.6	-5.4	-3.1	-4.4	-3.5	-0.9
25	-5.9	---	-3.8	-3.7	-4.6	-5.6	-5.6	-5.4	-3.1	-4.5	-3.5	-0.8
26	-5.9	-6.1	-3.8	-3.7	-4.6	-5.6	-5.6	-5.4	-3.1	-4.5	-3.6	-0.9
27	-5.9	-6.1	-3.8	-3.7	-4.6	-5.6	-5.6	-5.4	-3.1	-4.5	-3.6	-0.9
28	-5.9	-6.1	-3.9	-3.7	-4.6	-5.6	-5.6	-5.4	-3.1	-4.5	-3.4	-0.8
29	-5.9	---	-3.9	-3.7	---	-5.6	-5.6	-5.4	-3.2	-4.5	-1.3	-0.9
30	-5.9	---	-3.9	-3.7	---	-5.6	-4.2	-5.4	-3.2	-5.3	-1.4	-0.8
31	-5.9	---	-3.6	-3.7	---	-5.6	---	-5.2	---	-6.0	-1.5	---
MEAN	-7.5	-6.0	-3.8	-3.8	-4.5	-5.2	-5.6	-4.4	-3.9	-3.7	-3.4	-1.1
MAX	-4.8	-5.9	-2.9	-2.4	-2.4	-2.4	-4.1	-2.0	-2.9	-1.9	-1.1	-0.7
MIN	-9.8	-6.1	-4.1	-7.1	-7.1	-7.0	-5.6	-6.5	-5.2	-9.0	-5.8	-1.6

WTR YR 2019 MEAN -4.43 MAX -0.75 MIN -9.83

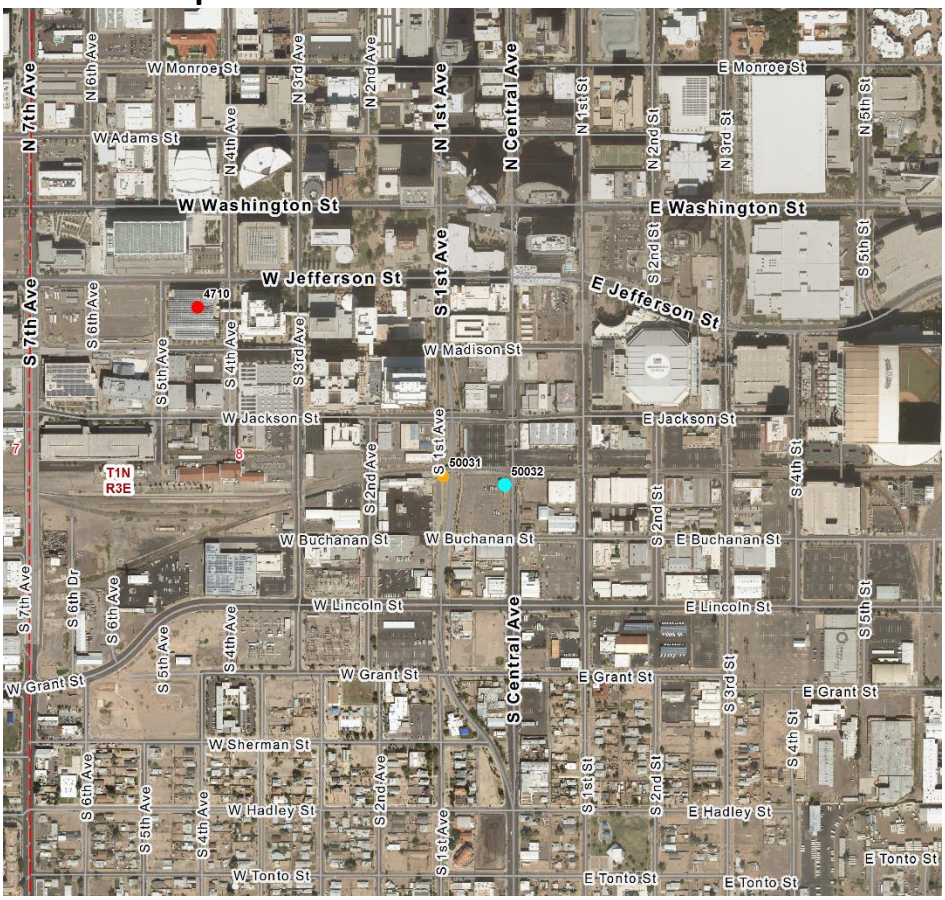
UPRR Underpass at Central Avenue, ID #3207

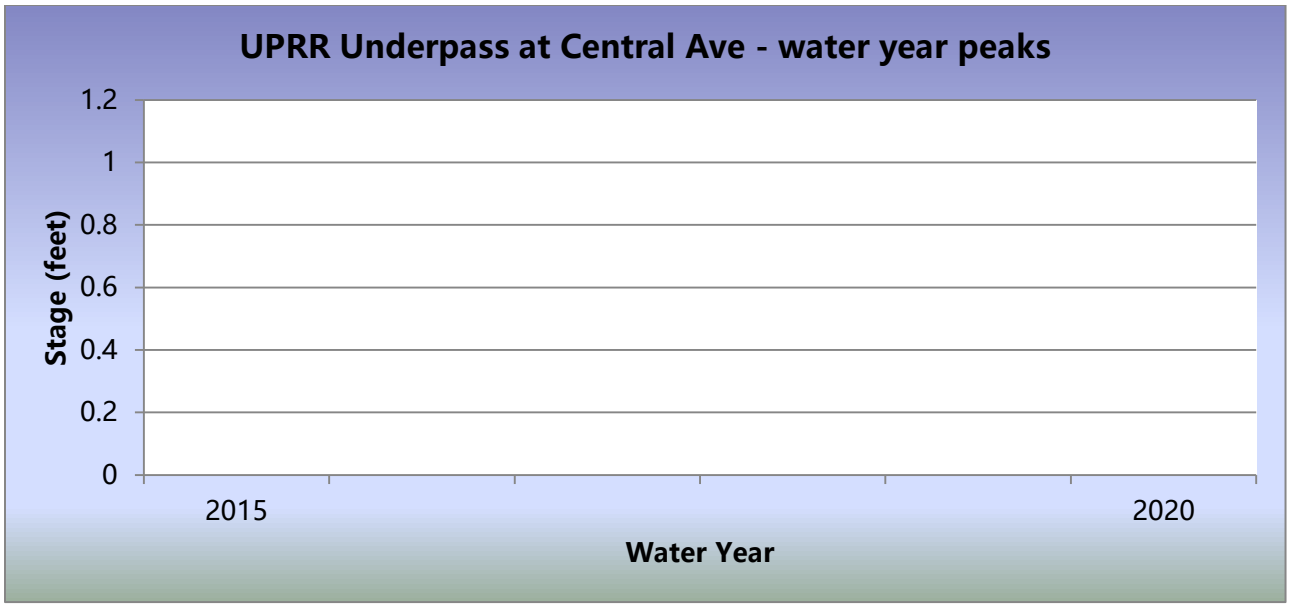


Site Data

LOCATION	Near Central Avenue and Jackson Street
DRAINAGE AREA	None
STREAM TYPE	Roadway Underpass
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower Arizona Canal Diversion Channel
SECTION/TOWNSHIP/RANGE	S08 T1N R3E
LATITUDE	N 33° 26' 38.9" | +33.44413
LONGITUDE	W 112° 04' 25.5" | -112.07376
STREAMGAGE INSTALLATION DATE	05/30/2017 – WY2017
AVAILABLE PERIOD OF RECORD (POR)	05/30/2017 – Current
LENGTH OF AVAILABLE POR DATA	1.34 Years | 489 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-5.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
MINIMUM ROADWAY ELEVATION	0.0 feet Gage Height

Location Map





WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
No Events	Above Street Level		

Hydrograph of peak WY 2019 impoundment event

No event recorded in Water Year 2019.

UPRR Underpass at Central Avenue, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-3.8	-4.7	-4.0	-4.8	-4.9	-4.4	-4.7	-4.7	-5.0	-5.0	-3.5	-3.9
2	-3.5	-4.7	-4.1	-4.8	-4.9	-4.4	-4.7	-4.7	-5.0	-5.0	-3.5	-3.9
3	-3.7	-4.7	-4.2	-4.8	-4.2	-4.5	-4.7	-4.7	-5.0	-5.0	-3.6	-3.9
4	-3.9	-4.7	-4.2	-4.8	-4.1	-4.5	-4.7	-4.7	-5.0	-5.0	-3.4	-4.0
5	-4.0	-4.7	-4.3	-4.8	-4.2	-4.5	-4.7	-4.8	-5.0	-5.0	-3.6	-4.0
6	-4.0	-4.8	-4.3	-3.7	-3.6	-4.6	-4.8	-4.8	-5.0	-5.0	-3.7	-4.0
7	-3.8	-4.8	-4.4	-4.0	-3.8	-4.6	-4.8	-4.5	-5.0	-5.0	-3.8	-4.1
8	-3.9	-4.8	-4.4	-4.2	-3.9	-4.6	-4.8	-4.4	-5.0	-5.0	-3.8	-4.1
9	-4.0	-4.8	-4.4	-4.3	-4.0	-4.6	-4.8	-4.4	-5.0	-5.0	-3.8	-4.1
10	-4.1	-4.8	-4.5	-4.5	-4.1	-4.6	-4.8	-4.5	-5.0	-5.0	-3.8	-4.2
11	-4.1	-4.8	-4.5	-4.5	-4.2	-4.7	-4.8	-4.5	-5.0	-5.0	-3.9	-4.2
12	-4.2	-4.8	-4.5	-4.6	-4.3	-3.8	-4.8	-4.3	-5.0	-5.0	-3.9	-4.2
13	-3.8	-4.8	-4.6	-4.6	-4.3	-3.6	-4.8	-4.4	-5.0	-5.0	-3.9	-4.2
14	-3.8	-4.9	-4.6	-4.7	-4.4	-3.9	-4.8	-4.5	-5.0	-5.0	-3.9	-4.3
15	-4.0	-4.9	-4.6	-4.7	-4.4	-4.0	-4.8	-4.5	-5.0	-5.0	-4.0	-4.3
16	-4.1	-4.9	-4.7	-4.6	-4.4	-4.1	-4.8	-4.5	-5.0	-5.0	-4.0	-4.3
17	-4.2	-4.9	-4.7	-4.7	-4.5	-4.2	-4.8	-4.6	-5.0	-5.0	-4.0	-4.0
18	-4.3	-4.9	-4.7	-4.8	-4.1	-4.2	-4.9	-4.6	-5.0	-5.0	-4.0	-4.0
19	-4.3	-4.9	-4.7	-4.9	-4.1	-4.3	-4.9	-4.6	-5.0	-5.0	-4.0	-4.1
20	-4.4	-4.9	-4.8	-4.8	-4.2	-4.3	-4.9	-4.7	-5.0	-5.0	-4.1	-4.2
21	-4.4	-4.9	-4.8	-4.8	-3.9	-4.4	-4.9	-4.7	-5.0	-5.0	-4.1	-4.2
22	-4.4	-4.9	-4.8	-4.9	-3.7	-4.4	-4.9	-4.8	-5.0	-5.0	-4.1	-4.2
23	-4.4	-4.9	-4.8	-4.9	-3.9	-4.4	-4.9	-4.7	-5.0	-5.0	-4.2	-4.1
24	-4.4	-4.9	-4.8	-4.9	-4.0	-4.4	-4.9	-4.7	-5.0	-5.0	-4.2	-3.5
25	-4.5	-4.9	-4.8	-4.9	-4.1	-4.5	-4.9	-4.7	-5.0	-5.0	-4.2	-3.6
26	-4.5	-5.0	-4.8	-4.8	-4.2	-4.5	-4.9	-4.8	-5.0	-5.0	-4.2	-3.5
27	-4.5	-5.0	-4.8	-4.9	-4.3	-4.5	-4.9	-4.8	-5.0	-5.0	-4.3	-3.3
28	-4.6	-5.0	-4.8	-4.9	-4.3	-4.6	-4.9	-4.9	-5.0	-5.0	-4.2	-3.5
29	-4.6	-4.9	-4.9	-4.9	---	-4.6	-4.9	-5.0	-5.0	-5.0	-3.6	-3.6
30	-4.6	-3.9	-4.9	-4.9	---	-4.6	-4.6	-5.0	-5.0	-4.7	-3.8	-3.6
31	-4.7	---	-4.9	-4.9	---	-4.7	---	-5.0	---	-3.4	-3.8	---
MEAN	-4.2	-4.8	-4.6	-4.7	-4.2	-4.4	-4.8	-4.7	-5.0	-4.9	-3.9	-4.0
MAX	-2.7	-3.1	-4.0	-3.0	-2.9	-3.1	-4.6	-4.3	-5.0	-3.0	-2.2	-2.9
MIN	-4.7	-5.0	-4.9	-4.9	-4.9	-4.7	-4.9	-5.0	-5.0	-5.0	-5.0	-4.3

WTR YR 2019 MEAN -4.51 MAX -2.16 MIN -5.00

US60 at Gold Canyon, ID #36907

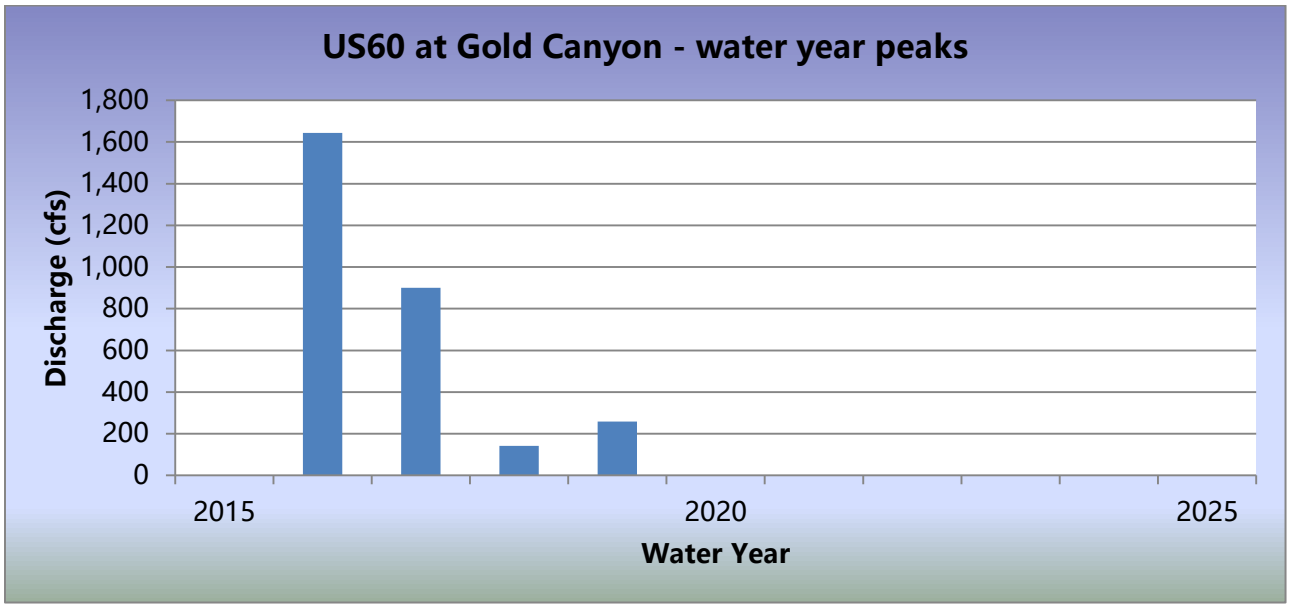


Site Data

LOCATION	Located near Superstition Mountain Drive and US60 in Gold Canyon
DRAINAGE AREA	9.25 mi^2
STREAM TYPE	Natural wash flows at a culvert
JURISDICTION	Pinal County, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S07 T1S R9E
LATITUDE	N 33° 21' 53.5" | +33.36486
LONGITUDE	W 111° 28' 32.8" | -111.47579
STREAMGAGE INSTALLATION DATE	05/11/2016 - WY 2016
AVAILABLE PERIOD OF RECORD (POR)	05/11/2016 - Current
LENGTH OF AVAILABLE POR DATA	3.39 Years | 1,238 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	One
ZERO GAGE HEIGHT ELEVATION	1,739.03 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,258 cfs | 4.06 feet GH | 08/09/2016

Watershed Map

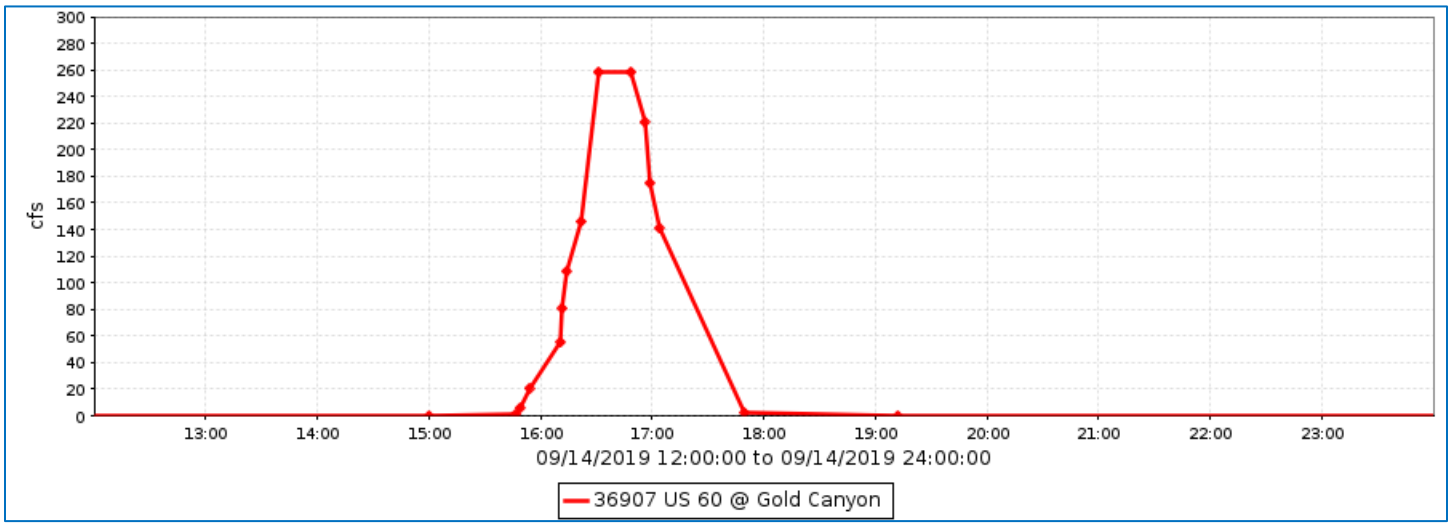




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
02/21/2019	1.22	92
09/14/2019	1.81	259

Hydrograph of peak WY 2019 flow event, 09/14/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

US60 at Gold Canyon, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												12
15												
16												
17												
18												
19												
20												
21					8							
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	8	0	0	0	0	0	0	12
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	92	0	0	0	0	0	0	259
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	16	0	0	0	0	0	0	24

WTR YR 2019 TOTAL 20 MEAN 0 MAX 259 MIN 0 AC_FT 40

Vekol Wash, ID #6983

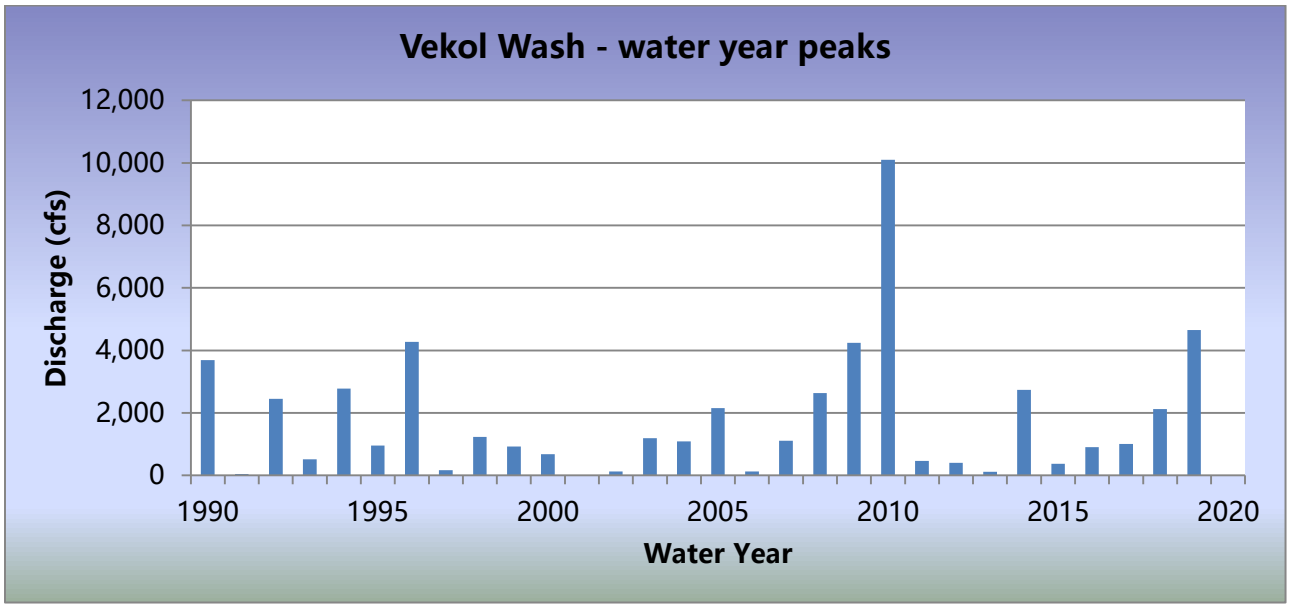


Site Data

LOCATION	Near I-8 and Vekol Valley Road
DRAINAGE AREA	147.7 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Vekol
SECTION/TOWNSHIP/RANGE	S03 T7S R1E
LATITUDE	N 32° 50' 35.3" | +32.84313
LONGITUDE	W 112° 15' 07.5" | -112.25207
STREAMGAGE INSTALLATION DATE	03/07/1990 - WY 1990
AVAILABLE PERIOD OF RECORD (POR)	03/07/1990 - Current
LENGTH OF AVAILABLE POR DATA	29.57 Years | 10,800 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	4.95 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	2 (at gage cross section)
ZERO GAGE HEIGHT ELEVATION	1,719.89 feet NAVD88
POINT OF ZERO FLOW	4.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	10,100 cfs | 10.10 feet | 08/27/2010

Watershed Map

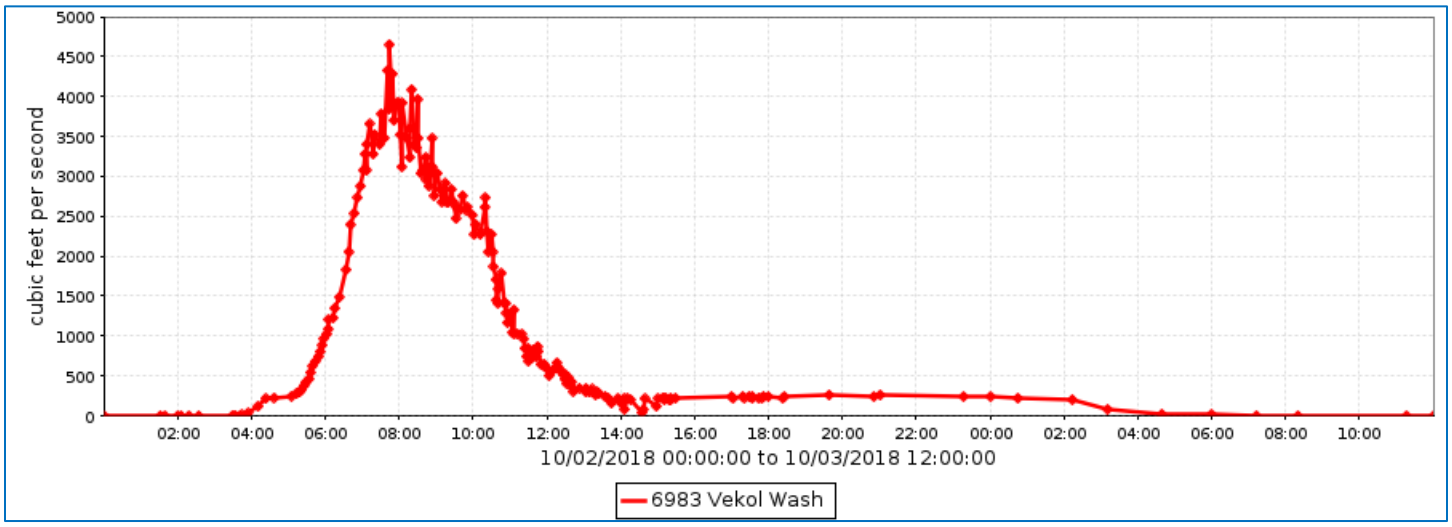




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	8.62	4,656
10/07/2018	5.43	479
02/22/2019	5.73	318

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=30, HEC-WRC computation (based on 30 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,020	**2,760**	**4,480**	**6,570**	**9,930**	**12,900**

NOTE: These results are based on very limited data.

Vekol Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	755											
3	36											
4												
5												
6												
7	30											
8												
9	---											
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20							---					
21					10		---					
22					43							
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	821	0	0	0	53	0	0	0	0	0	0	0
MEAN	26	0	0	0	2	0	0	0	0	0	0	0
MAX	4656	0	0	0	318	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1629	0	0	0	105	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 874 MEAN 2 MAX 4656 MIN 0 AC_FT 1734

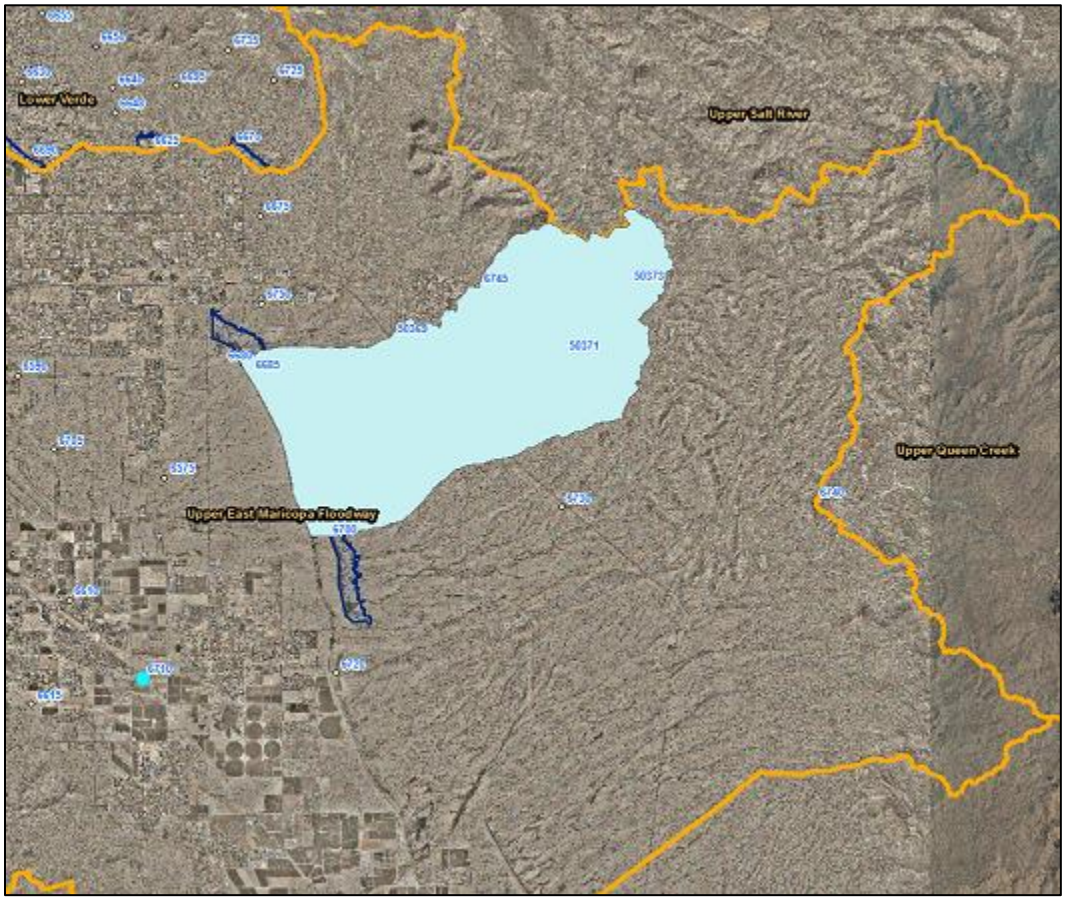
Vineyard FRS, ID #6688

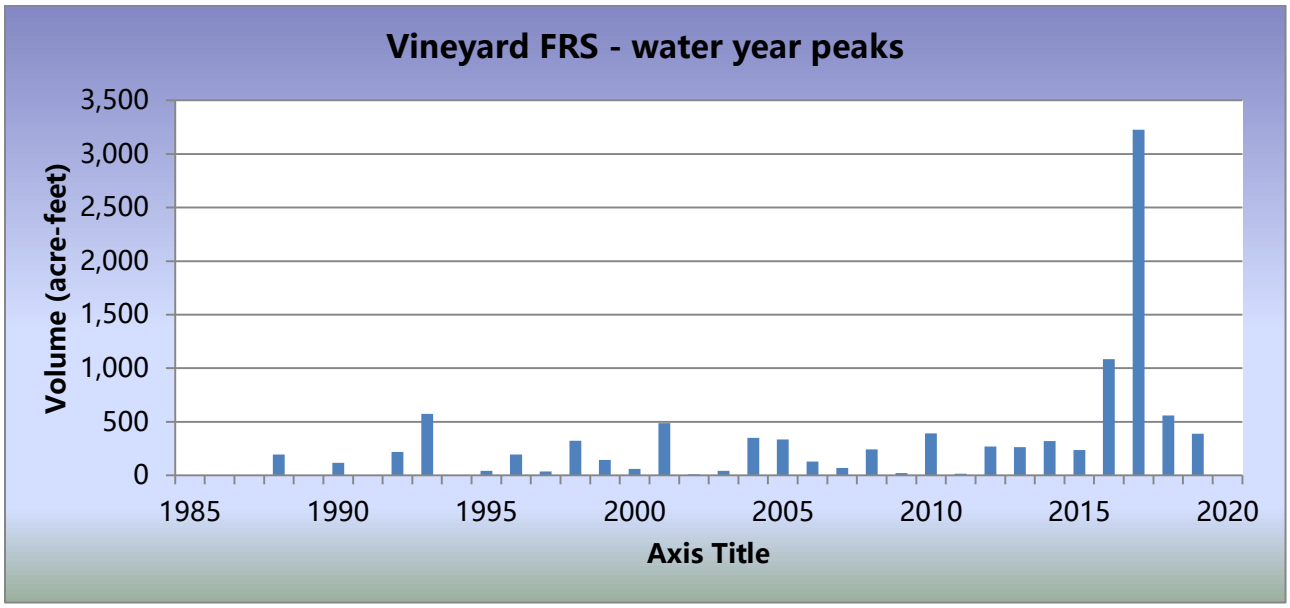


Site Data

LOCATION	Located south of Apache Junction east of Ironwood Road
DRAINAGE AREA	53.7 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Pinal County, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S09 T1S R8E
LATITUDE	N 33° 21' 03.3" | +33.35091
LONGITUDE	W 111° 32' 34.2" | -111.54282
STREAMGAGE INSTALLATION DATE	11/02/1983 - WY 1984
AVAILABLE PERIOD OF RECORD (POR)	11/09/1987 - Current
LENGTH OF AVAILABLE POR DATA	31.89 Years | 11,649 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	5
ZERO GAGE HEIGHT ELEVATION	1,564.14 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	11.3 feet Gage Height (South Spillway)
TOP OF DAM ELEVATION	16.2 feet Gage Height

Watershed Map



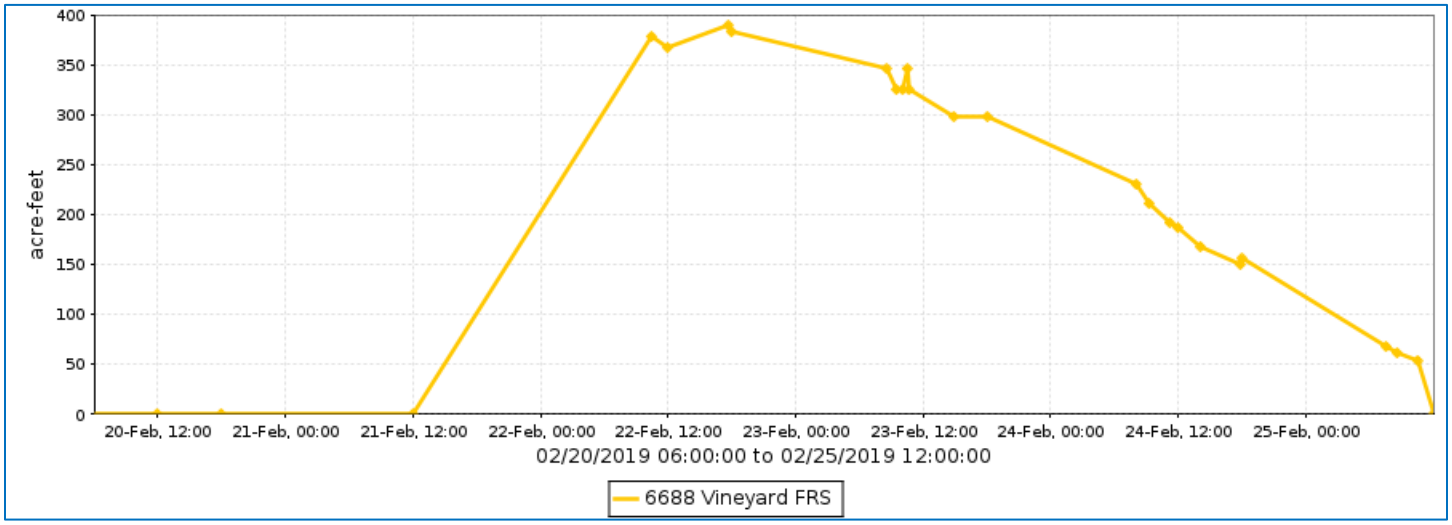


WY2019 Events*

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/13/2018	1.07	58.4	1.2
02/22/2019	1.97	98.3	2.1
09/23/2019	1.80	289.9	6.1

*NOTE: Due to unfinished construction, peak volumes are greater than actual.

Hydrograph of peak WY 2019 impoundment event, 09/23/2019



Vineyard FRS, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8		---										
9												
10												
11												
12												
13	8											
14	2											
15												
16												
17												
18												
19												
20												
21												
22					16							
23					25							8
24					15							1
25					4							
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	10	0	0	0	60	0	0	0	0	0	0	9
MEAN	0	0	0	0	2	0	0	0	0	0	0	0
MAX	18	0	0	0	30	0	0	0	0	0	0	21
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	20	0	0	0	120	0	0	0	0	0	0	19

WTR YR 2019 TOTAL 80 MEAN 0 MAX 30 MIN 0 AC_FT 158

Vineyard FRS, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8		---										
9												
10												
11												
12												
13	116											
14	27											
15												
16												
17												
18												
19												
20												
21												
22					212							
23					336							125
24					217							30
25					60							
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	5	0	0	0	29	0	0	0	0	0	0	5
MAX	254	0	0	0	389	0	0	0	0	0	0	290
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 3 MAX 389 MIN 0

Vineyard FRS, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	1.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	2.0	0.2	0.2	0.2	0.2	0.2	0.2	0.9
24	0.2	0.2	0.2	0.2	1.4	0.2	0.2	0.2	0.2	0.2	0.2	0.3
25	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	1.6	0.2	0.2	0.2	2.3	0.2	0.2	0.2	0.2	0.2	0.2	1.8
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2019 MEAN 0.22 MAX 2.27 MIN 0.20

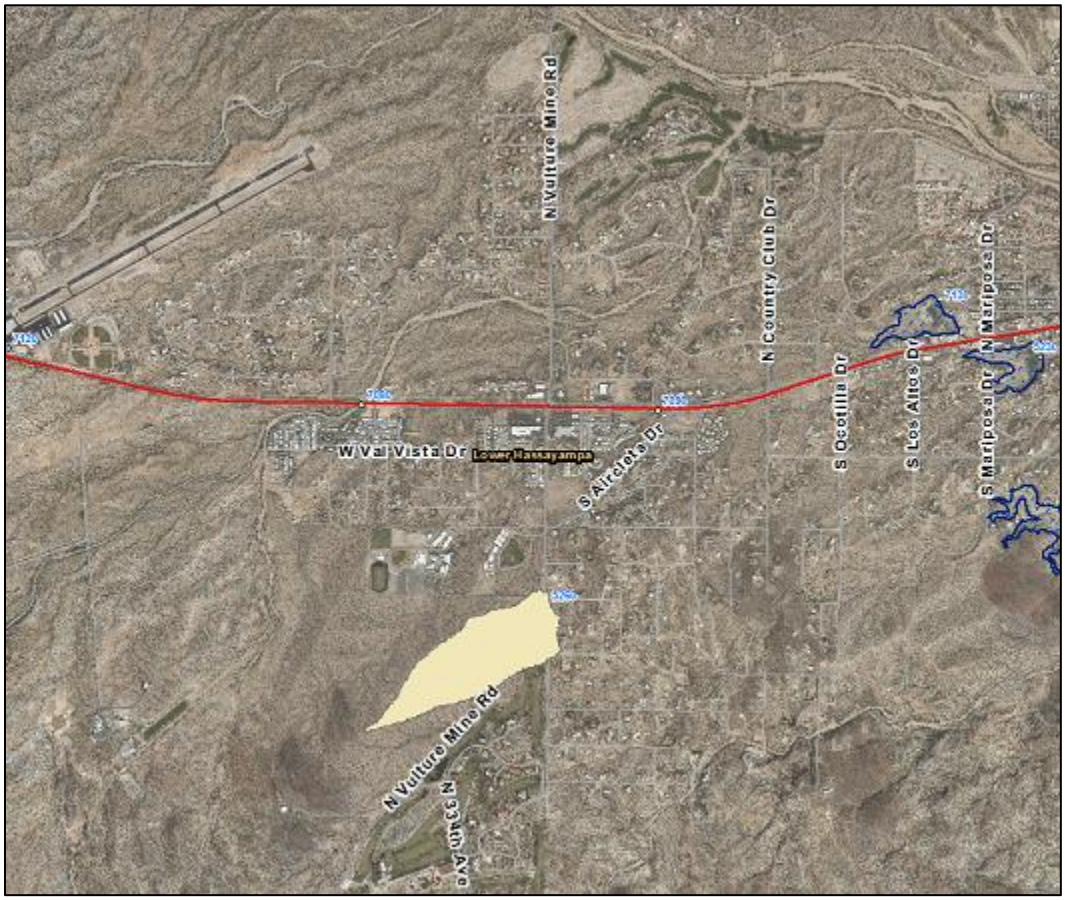
Vulture Mine Road, ID #5263

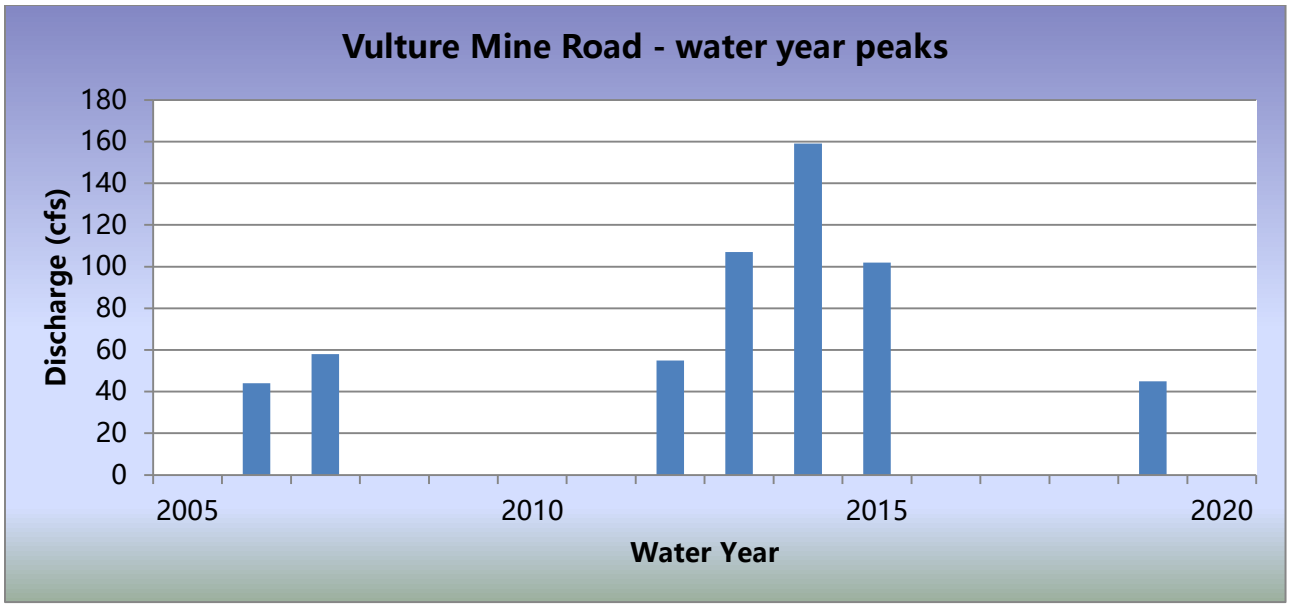


Site Data

LOCATION	At Vulture Mine Road and Steinway Drive
DRAINAGE AREA	0.13 mi^2
STREAM TYPE	Culvert - Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S15 T7N R5W
LATITUDE	N 33° 57' 08.4" | +33.95233
LONGITUDE	W 112° 46' 18.4" | -112.77179
STREAMGAGE INSTALLATION DATE	10/25/2005 - WY 2006
AVAILABLE PERIOD OF RECORD (POR)	10/25/2005 - Current
LENGTH OF AVAILABLE POR DATA	12.93 Years | 4,724 Days
DATA GAPS IN POR	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.70 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,311.45 feet NAVD88
POINT OF ZERO FLOW	1.53 feet Gage Height
EXTREME FOR PERIOD OF RECORD	159 cfs | 3.58 feet | 08/03/2014

Watershed Map

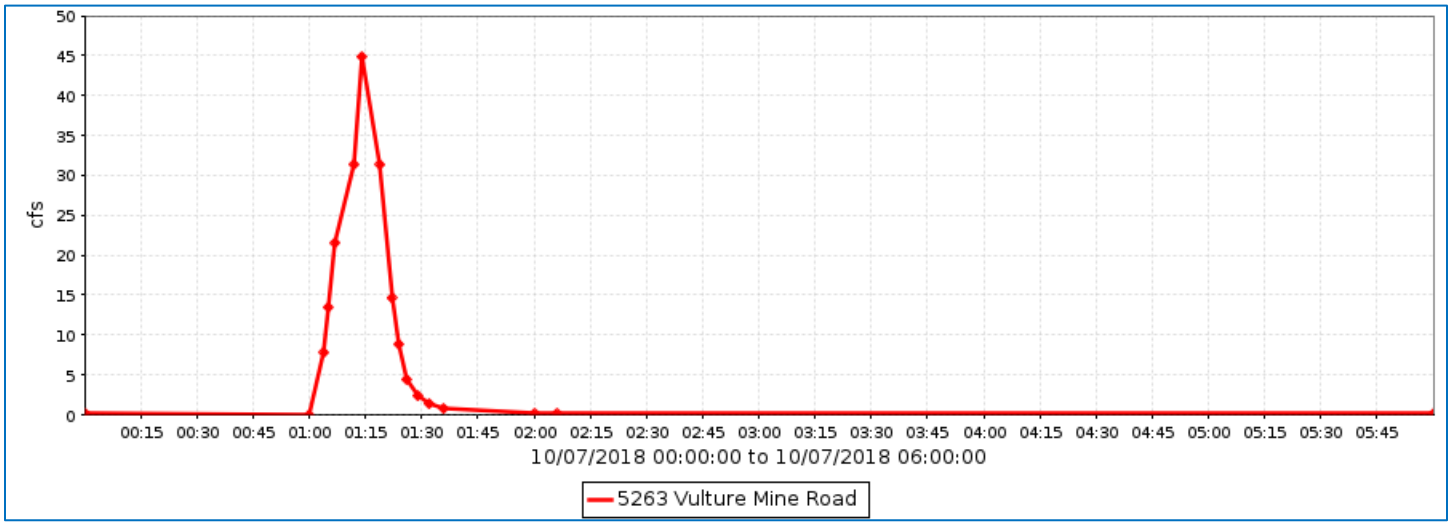




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/07/2018	1.90	45
10/13/2018	1.12	2
09/25/2019	1.75	29

Hydrograph of peak WY 2019 flow event, 10/07/2018



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Vulture Mine Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2									---			
3												
4												
5												
6												
7	1											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25	---											
26	---											
27	---											
28	---											
29					---							
30					---							
31		---			---		---		---			---
TOTAL	4	3	3	0	0	0	0	0	3	3	3	4
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	45	0	0	0	0	0	0	0	0	0	0	29
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	8	7	7	0	0	0	0	0	6	7	7	7

WTR YR 2019 TOTAL 24 MEAN 0 MAX 45 MIN 0 AC_FT 48

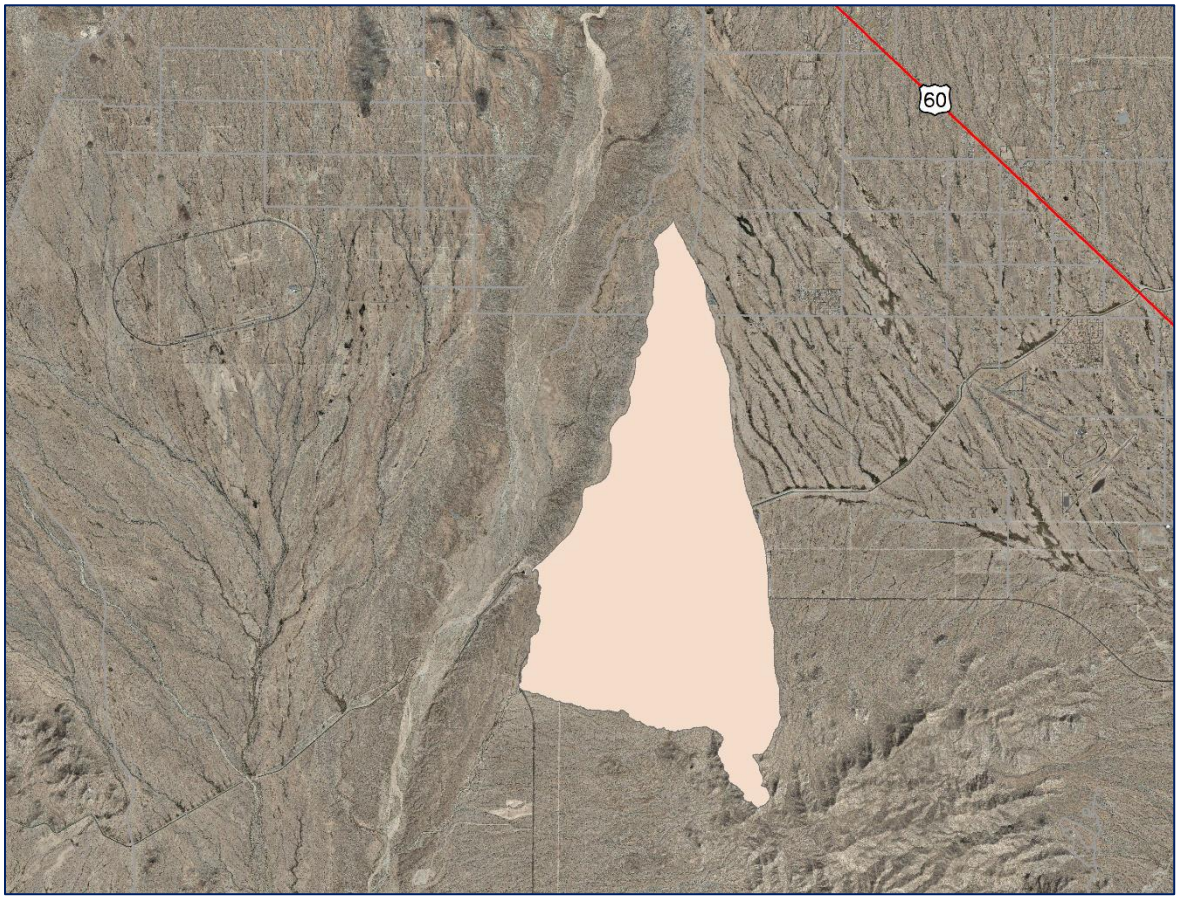
Wagner Wash at Sun Valley Parkway, ID #44707

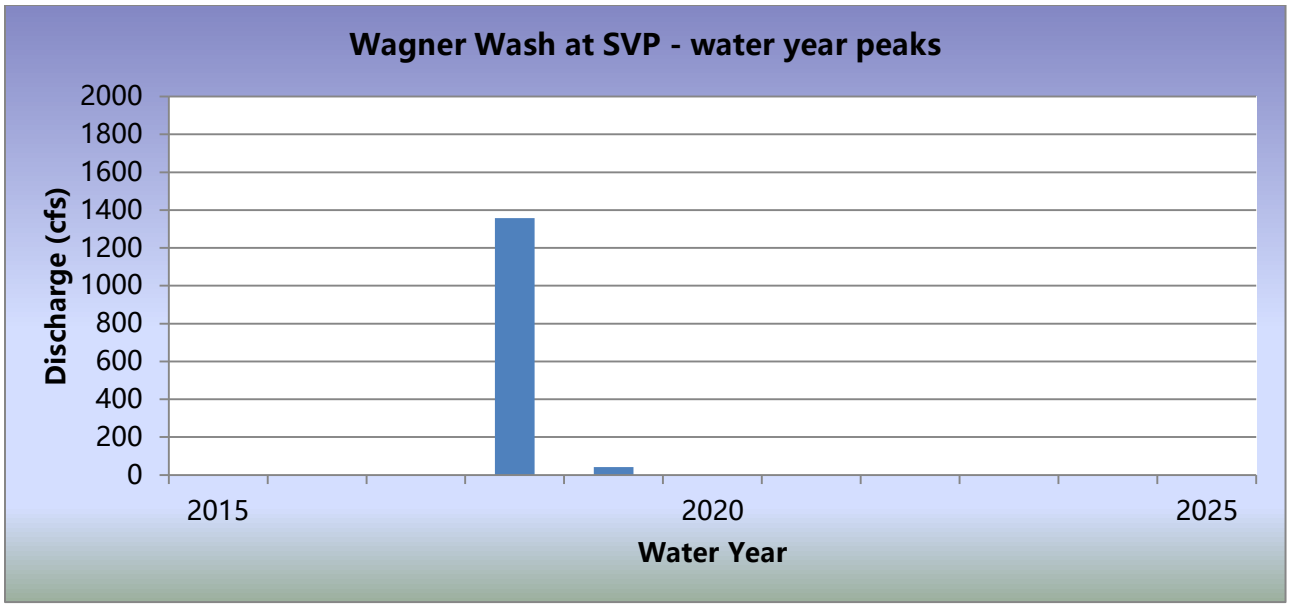


Site Data

LOCATION	On Sun Valley Parkway near the Bell Road alignment
DRAINAGE AREA	27.7 mi^2
STREAM TYPE	Culvert - Natural Stream
JURISDICTION	Buckeye, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S05 T3N R4W
LATITUDE	N 33° 38' 07.0" | +33.63527
LONGITUDE	W 112° 41' 25.9" | -112.69053
STREAMGAGE INSTALLATION DATE	02/16/2017 – WY2017
AVAILABLE PERIOD OF RECORD (POR)	02/16/2017 – Current
LENGTH OF AVAILABLE POR DATA	2.62 Years | 957 Days
DATA GAPS IN POR	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.05 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,434.80 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,358 cfs | 2.97 feet Gage Height | 08/16/2018

Watershed Map

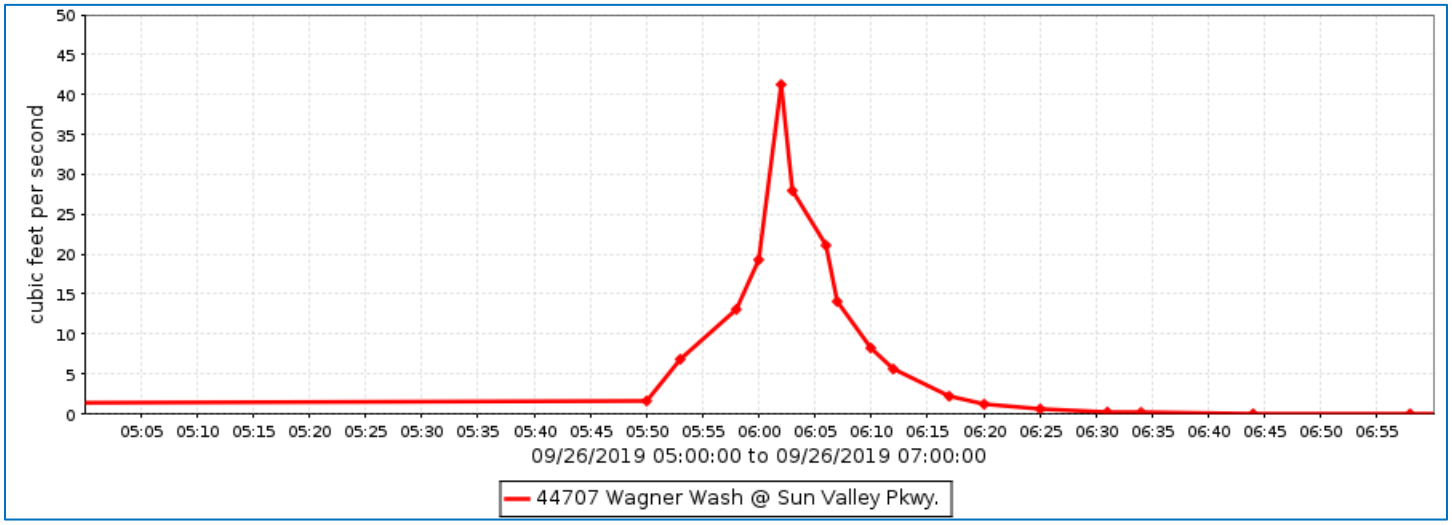




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
		`
09/26/2019	1.53	41

Hydrograph of peak WY 2019 flow event, 09/26/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Wagner Wash at Sun Valley Parkway, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	15	0	0	0	0	0	0	0	0	0	0	41
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 1 MEAN 0 MAX 41 MIN 0 AC_FT 1

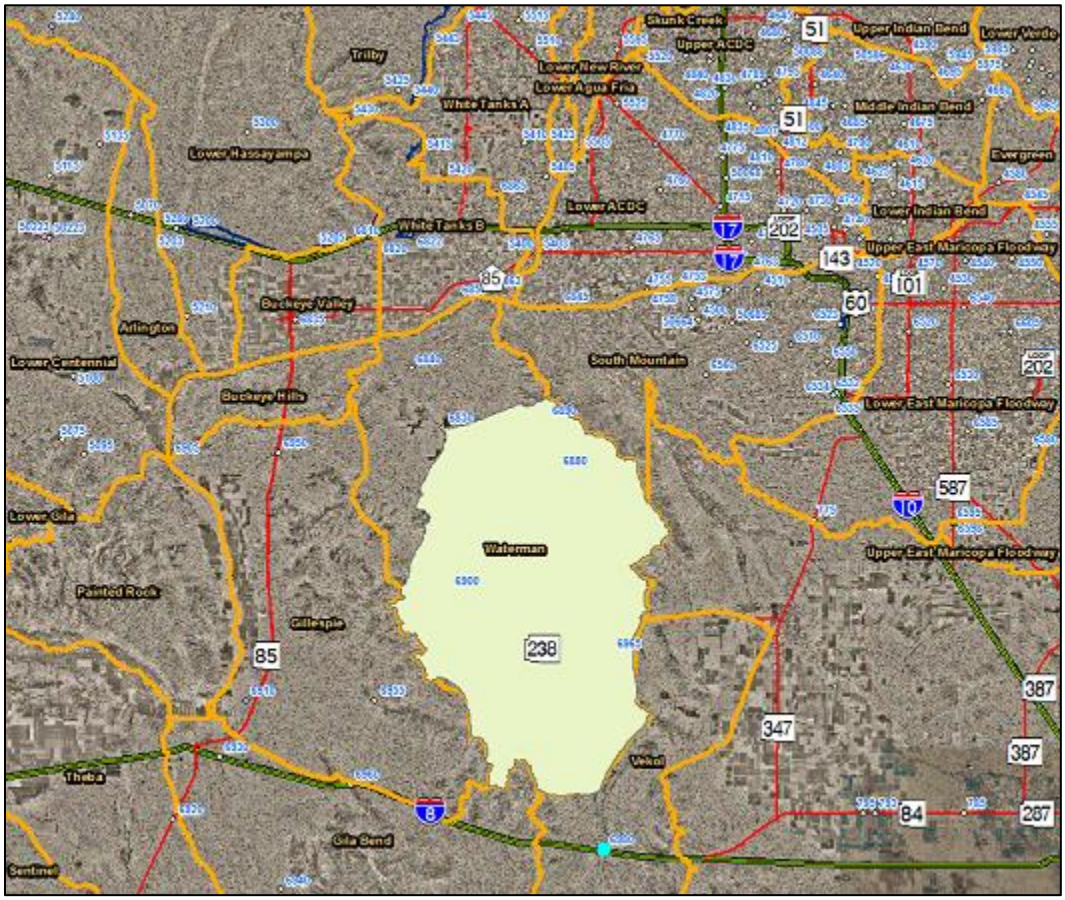
Waterman Wash at Rainbow Valley Road, ID #6833

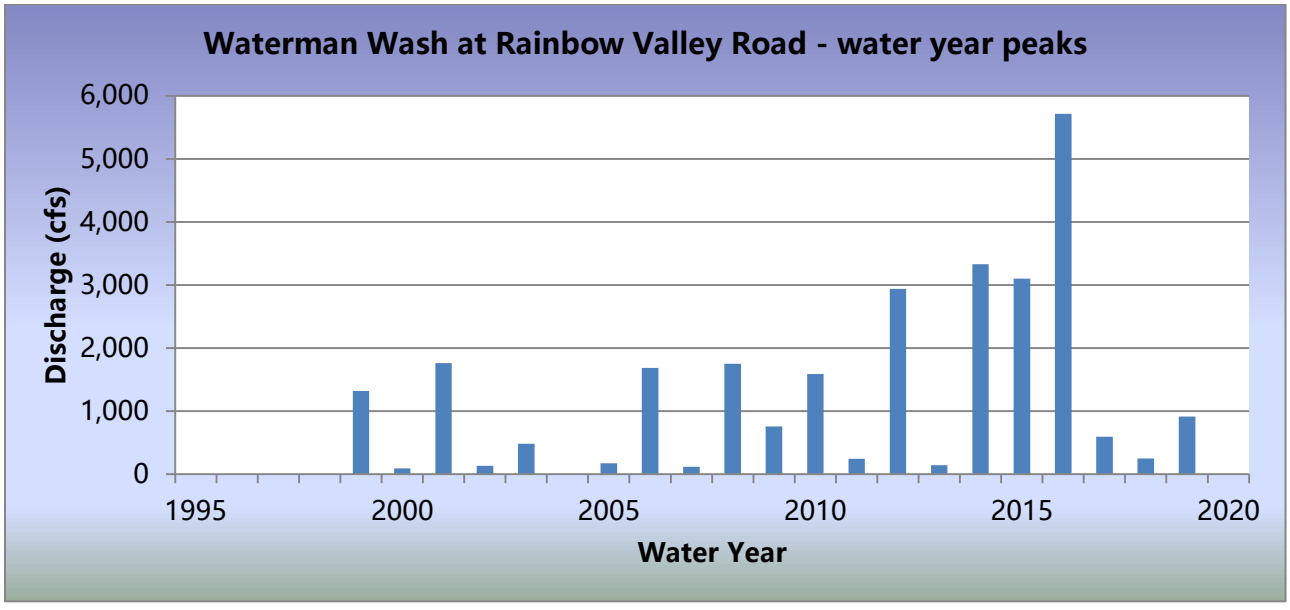


Site Data

LOCATION	At Rainbow Valley Road and Queen Creek Road
DRAINAGE AREA	362 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Goodyear, Arizona
WATERSHED	Waterman
SECTION/TOWNSHIP/RANGE	S10 T2S R2W
LATITUDE	N 33° 15' 42.2" | +33.26173
LONGITUDE	W 112° 26' 38.5" | -112.44404
STREAMGAGE INSTALLATION DATE	03/18/1999 - WY 1999
AVAIALBLE PERIOD OF RECORD	03/18/1999 - Current
LENGTH OF AVAILABLE POR DATA	20.54 Years | 7,502 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.00 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,009.85 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,713 cfs | 10.82 feet | 07/30/2016

Watershed Map

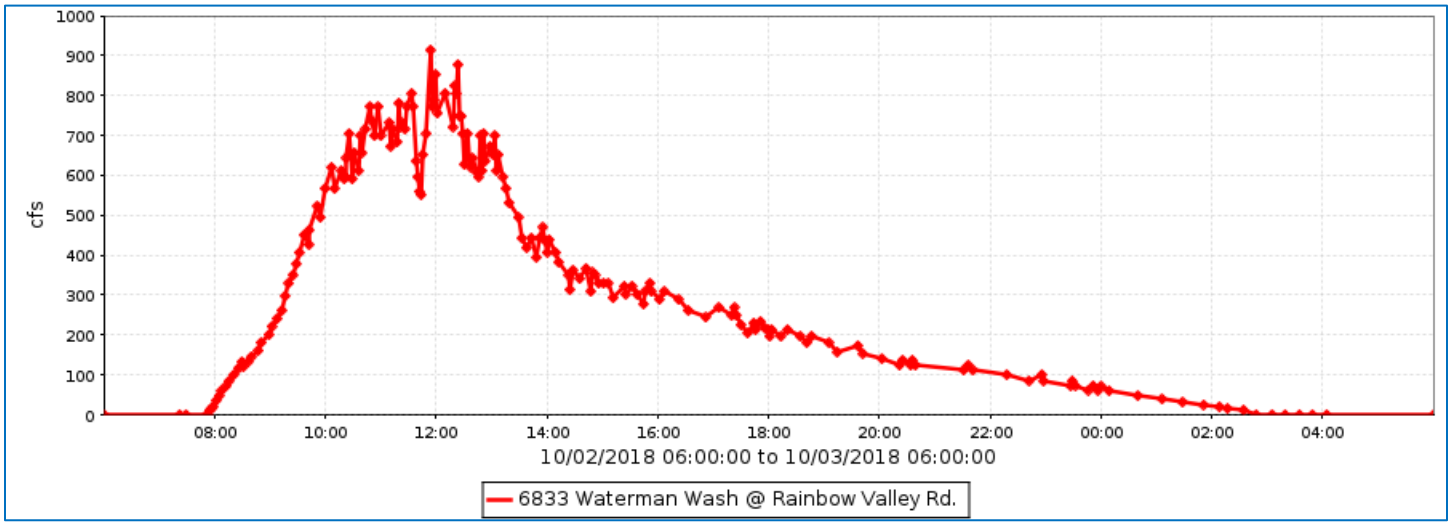




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	5.54	915
10/07/2018	4.37	531
10/13/2018	4.72	636

Hydrograph of peak WY 2019 flow event, 10/02/2018



Flood Flow Frequency

Flood Flow Frequency N=21, HEC-WRC computation (based on 21 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
666	**1,970**	**3,420**	**5,340**	**8,740**	**12,100**

NOTE: These results are based on very limited data.

Waterman Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	211											
3	4											
4												
5												
6												
7	90											
8												
9												
10												
11												
12												
13	124											
14	14											
15												
16							---					
17							---					
18												
19							---					
20							---					
21							---					
22							---					
23							---					
24												
25												
26							---					
27							---					
28							---					
29					---							
30					---							
31		---			---		---		---			---
TOTAL	444	0	0	0	0	0	0	0	0	0	0	0
MEAN	14	0	0	0	0	0	0	0	0	0	0	0
MAX	915	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	880	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 444 MEAN 1 MAX 915 MIN 0 AC_FT 880

Weekes Wash at Baseline Road, ID #6753

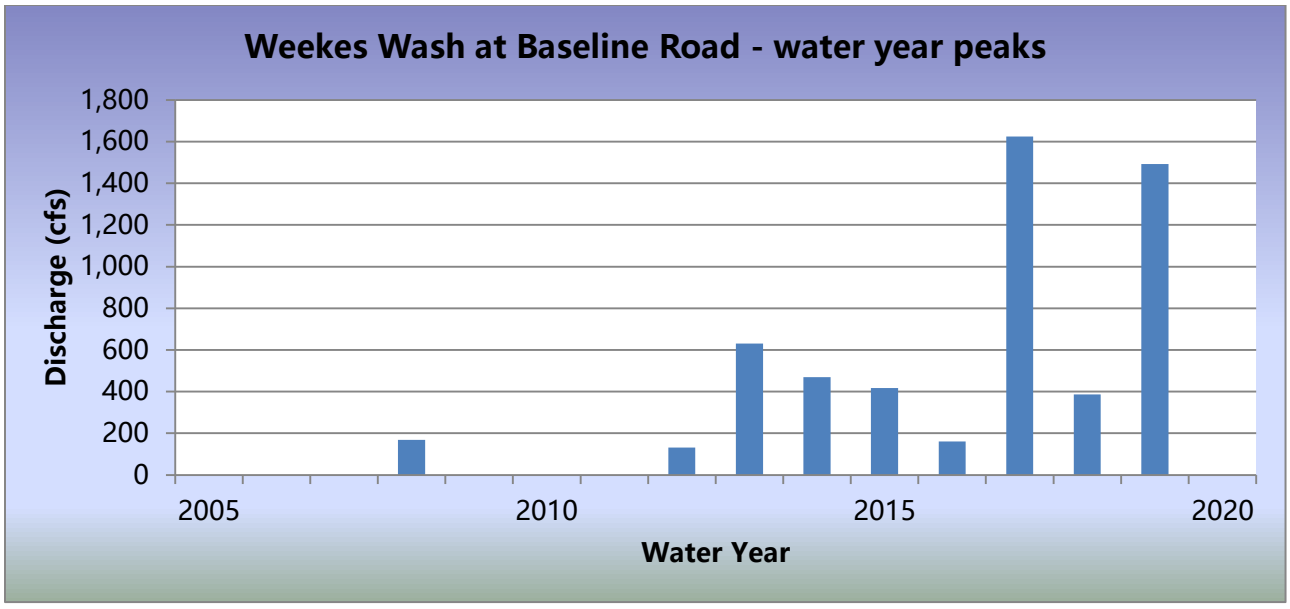


Site Data

LOCATION	Baseline Road between Idaho and Tomahawk Roads
DRAINAGE AREA	11.9 mi^2
STREAM TYPE	Engineered channel of natural stream
JURISDICTION	Apache Junction, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S04 T1S R8E
LATITUDE	N 33° 22' 43.7" | +33.37881
LONGITUDE	W 111° 32' 15.1" | -111.53752
STREAMGAGE INSTALLATION DATE	05/27/2008 - WY 2008
AVAILABLE PERIOD OF RECORD (POR)	05/27/2008 - Current
LENGTH OF AVAILABLE POR DATA	11.35 Years | 4,144 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,620.36 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,624 cfs | 7.24 feet Gage Height | 07/24/2017

Watershed Map

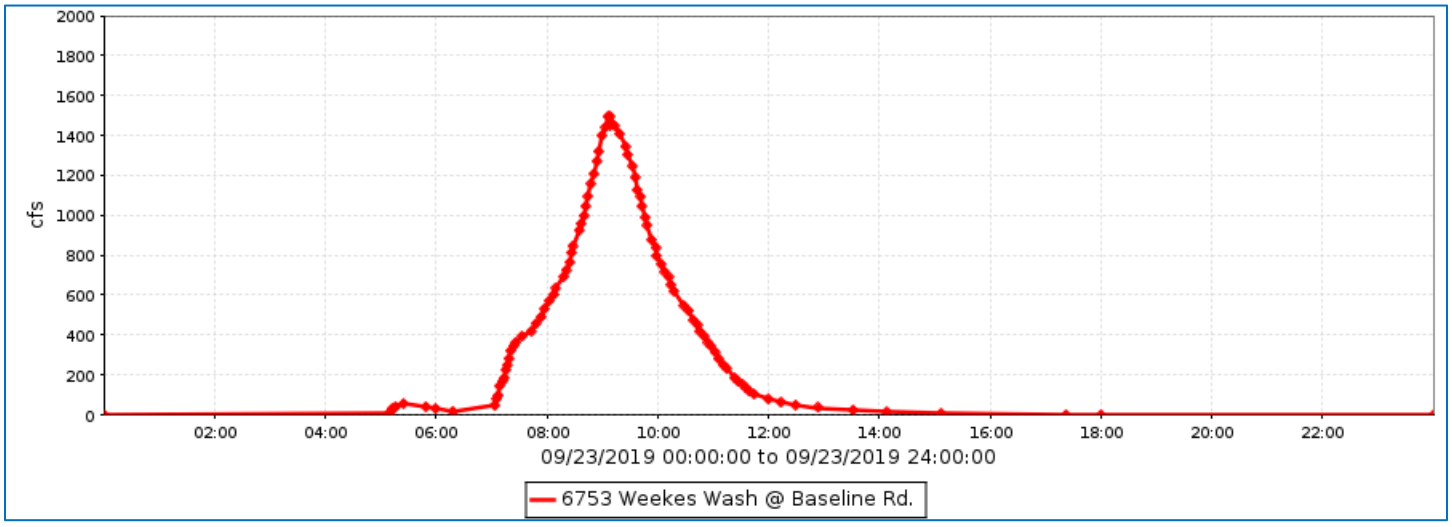




WY2019 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/02/2018	0.73	40
10/13/2018	0.68	34
01/06/2019	0.49	16
02/03/2019	0.49	16
02/21/2019	1.17	86
03/12/2019	0.69	35
09/23/2019	7.07	1,493

Hydrograph of peak WY 2019 flow event, 09/23/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

Weekes Wash at Baseline Road, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	3											
3					2							
4												
5												
6				4								
7												
8												
9												
10												
11												
12						3						
13	3											
14												
15												
16												
17												
18												
19												
20												
21					19							
22					11							
23												139
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	7	0	0	4	31	3	0	0	0	0	0	139
MEAN	0	0	0	0	1	0	0	0	0	0	0	5
MAX	40	0	0	16	86	35	0	0	0	0	0	1493
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	13	0	0	8	62	5	0	1	0	0	0	276

WTR YR 2019 TOTAL 185 MEAN 1 MAX 1493 MIN 0 AC_FT 366

White Tanks FRS #3, ID #5418

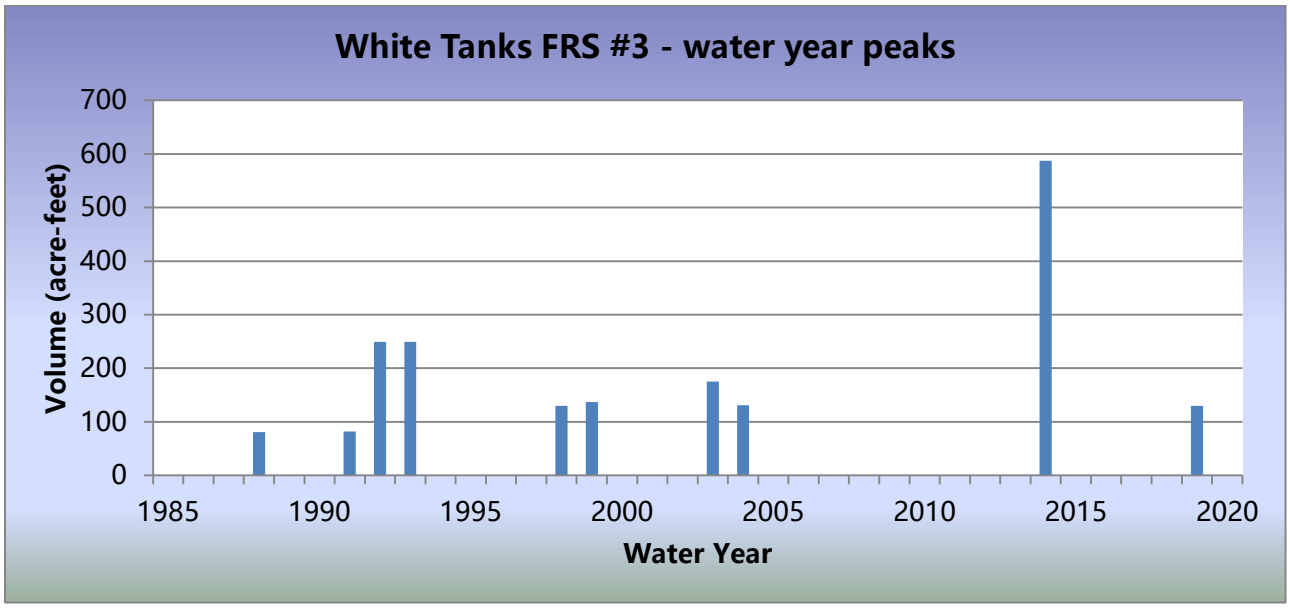


Site Data

LOCATION	Located on the eastern foothills of the White Tank Mountains, north of Northern Avenue
DRAINAGE AREA	20.5 mi^2
STREAM TYPE	Impounding of natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	White Tanks B
SECTION/TOWNSHIP/RANGE	S09 T2N R2W
LATITUDE	N 33° 31' 56.0" | +33.53322
LONGITUDE	W 112° 28' 19.2" | -112.47199
STREAMGAGE INSTALLATION DATE	03/12/1986 - WY 1986
AVAIALBLE PERIOD OF RECORD	01/01/1988 - Current
LENGTH OF AVAILABLE POR DATA	31.75 Years | 11,596 Days
DATA GAPS IN POR	12/14/2005 - 06/18/2008
STAGE GAGE ELEVATION	1.50 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,191.00 feet NAVD88
POINT OF ZERO FLOW (CONTROLLED)	0.00 feet Gage Height
POINT OF ZERO FLOW (CONTROLLED BYPASS OUTLET)	6.0 feet Gage Height
POINT OF ZERO FLOW (UNCONTROLLED)	9.0 feet Gage Height (currently blocked)
SPILLWAY ELEVATION	21.0 feet Gage Height
TOP OF DAM ELEVATION	27.0 feet Gage Height

Watershed Map

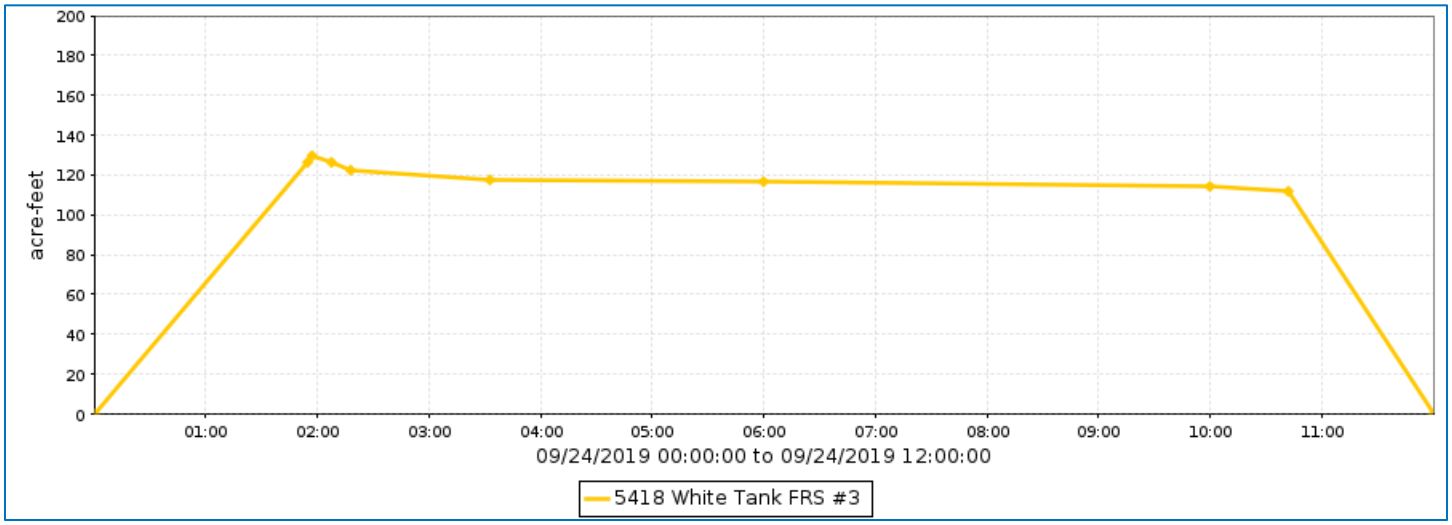




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
09/24/2019	2.33	130	3.7
09/25/2019	2.18	124	3.5
09/26/2019	2.28	128	3.7

Hydrograph of peak WY 2019 impoundment event, 09/24/2019



White Tanks FRS #3, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---							
2					---							
3					---							
4					---							
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

White Tanks FRS #3, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---							
2					---							
3					---							
4					---							
5												
6												
7												
8												
9												
10												
11												
12						27						
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												49
25												12
26												39
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	1	0	0	0	0	0	3
MAX	0	0	0	0	0	107	0	0	0	0	0	130
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 130 MIN 0

White Tanks FRS #3, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	1.5	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	1.5
3	1.5	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4	1.5	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
11	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
12	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
13	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
14	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
16	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
17	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
19	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
20	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
21	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
22	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
23	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
24	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7
25	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6
26	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7
27	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
28	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
29	1.5	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	1.5
30	1.5	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	1.5
31	1.5	---	1.5	1.5	---	1.5	---	1.5	---	1.5	1.5	---
MEAN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MAX	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	2.3
MIN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

WTR YR 2019 MEAN 1.50 MAX 2.33 MIN 1.50

White Tanks FRS #4, ID #6823

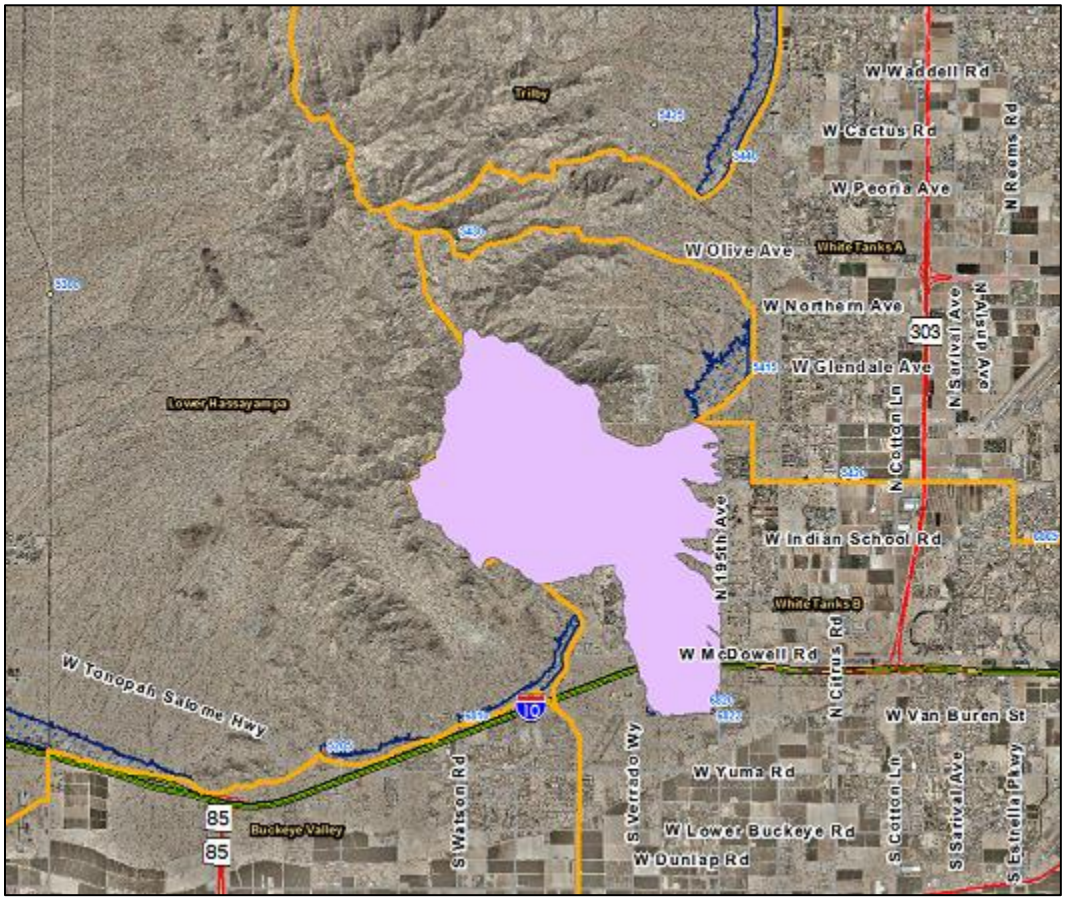


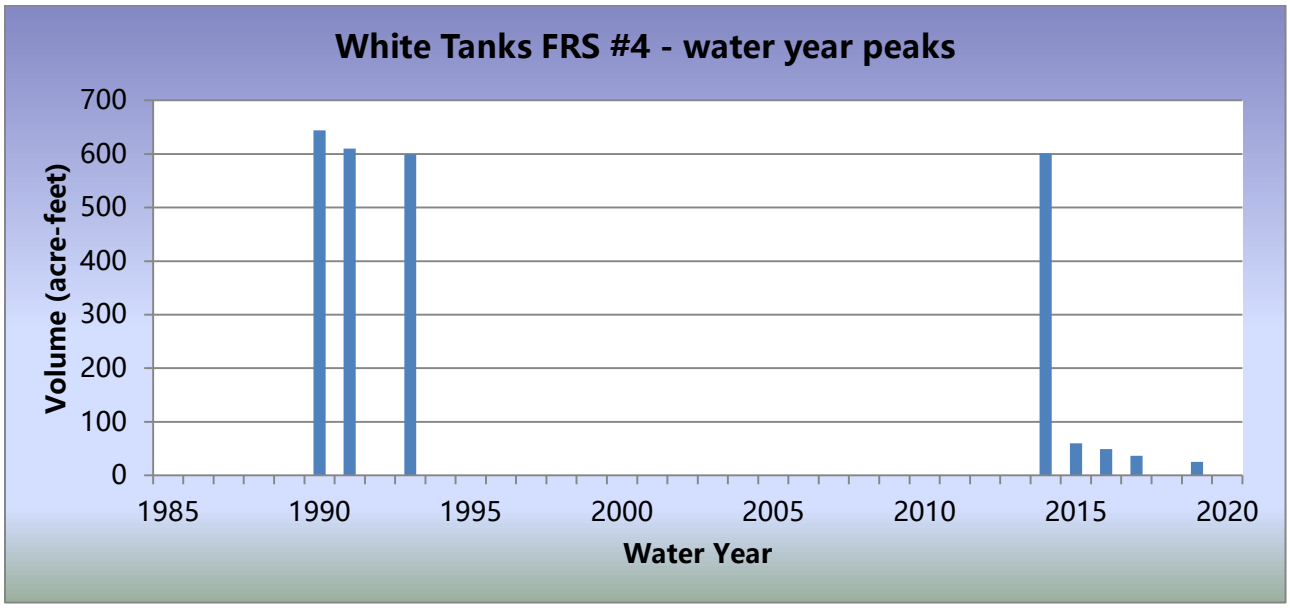
Site Data

LOCATION	Located south of I-10 and west of Jackrabbit Trail
DRAINAGE AREA	18.6 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Buckeye, Arizona
WATERSHED	White Tanks B
SECTION/TOWNSHIP/RANGE	S05 T1N R2W
LATITUDE	N 33° 27' 05.2" | +33.45145
LONGITUDE	W 112° 29' 57.6" | -112.48268
STREAMGAGE INSTALLATION DATE	01/09/1986 - WY 1986
AVAILABLE PERIOD OF RECORD (POR)	10/01/1987 - Current
LENGTH OF AVAILABLE POR DATA	32.00 Years | 11,688 Days
DATA GAPS IN POR	06/01/2011 - 11/16/2011
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,030.00 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height (gated outlet)
SPILLWAY ELEVATION	1,053.00 feet NAVD88
TOP OF DAM ELEVATION	1,059.00 feet NAVD88

NOTE: Reconstruction at dam was completed in June 2017 and outlet and spillway elevations have been updated to reflect the newly rehabilitated structure.

Watershed Map

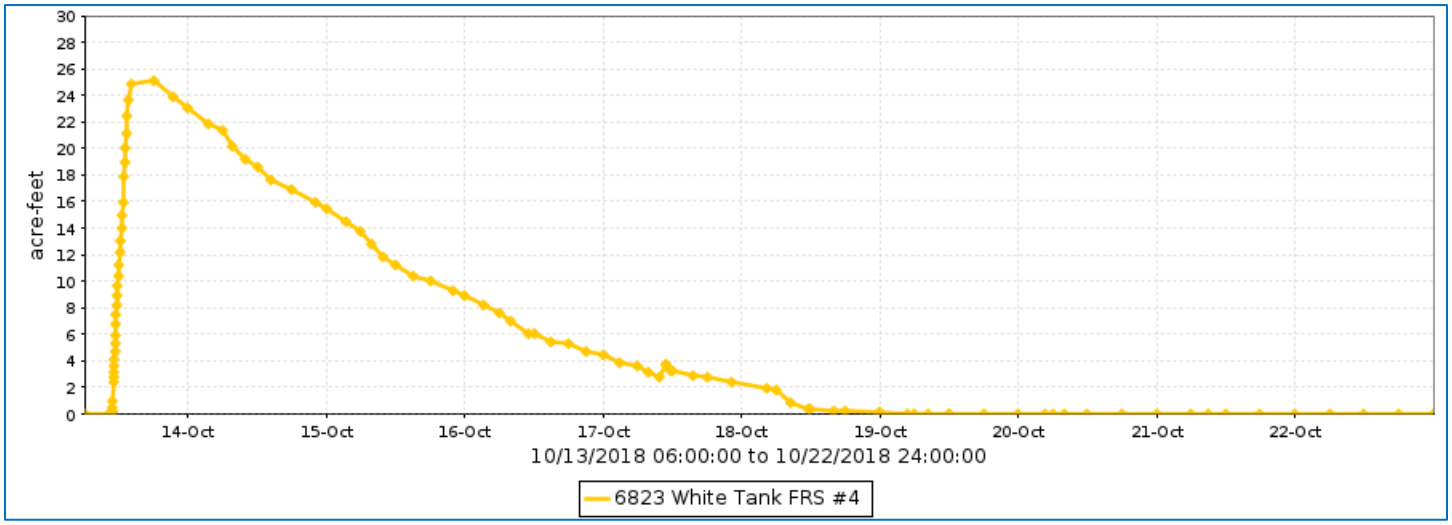




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/02/2018	0.44	0.0	0.0
10/07/2018	3.38	19.1	1.3
10/13/2018	3.90	25.1	1.7
09/24/2019	1.14	2.3	0.2

Hydrograph of peak WY 2019 flow event, 10/13/2018



White Tanks FRS #4, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

White Tanks FRS #4, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7	15											
8	14											
9	8											
10	4											
11	1											
12												
13	12											
14	19											
15	12											
16	7											
17	3											
18	1											
19												
20												
21												
22												
23												
24												1
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	3	0	0	0	0	0	0	0	0	0	0	0
MAX	25	0	0	0	0	0	0	0	0	0	0	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 25 MIN 0

White Tanks FRS #4, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
2	-0.1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
3	-0.1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
7	2.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
8	2.9	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
9	2.1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
10	1.4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
11	0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
12	0.2	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
13	1.9	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
14	3.4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
15	2.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
16	1.9	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
17	1.4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
18	0.9	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
19	0.4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
20	-0.1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
21	-0.4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
22	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
23	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
24	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.8
25	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.4
26	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.1
27	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.2
28	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5
29	-0.6	-0.6	-0.6	-0.6	---	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
30	-0.6	-0.6	-0.6	-0.6	---	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
31	-0.6	---	-0.6	-0.6	---	-0.6	---	-0.6	---	-0.6	-0.6	---
MEAN	0.4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5
MAX	3.9	-0.6	-0.6	-0.6	-0.4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	1.1
MIN	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6

WTR YR 2019 MEAN -0.50 MAX 3.90 MIN -0.60

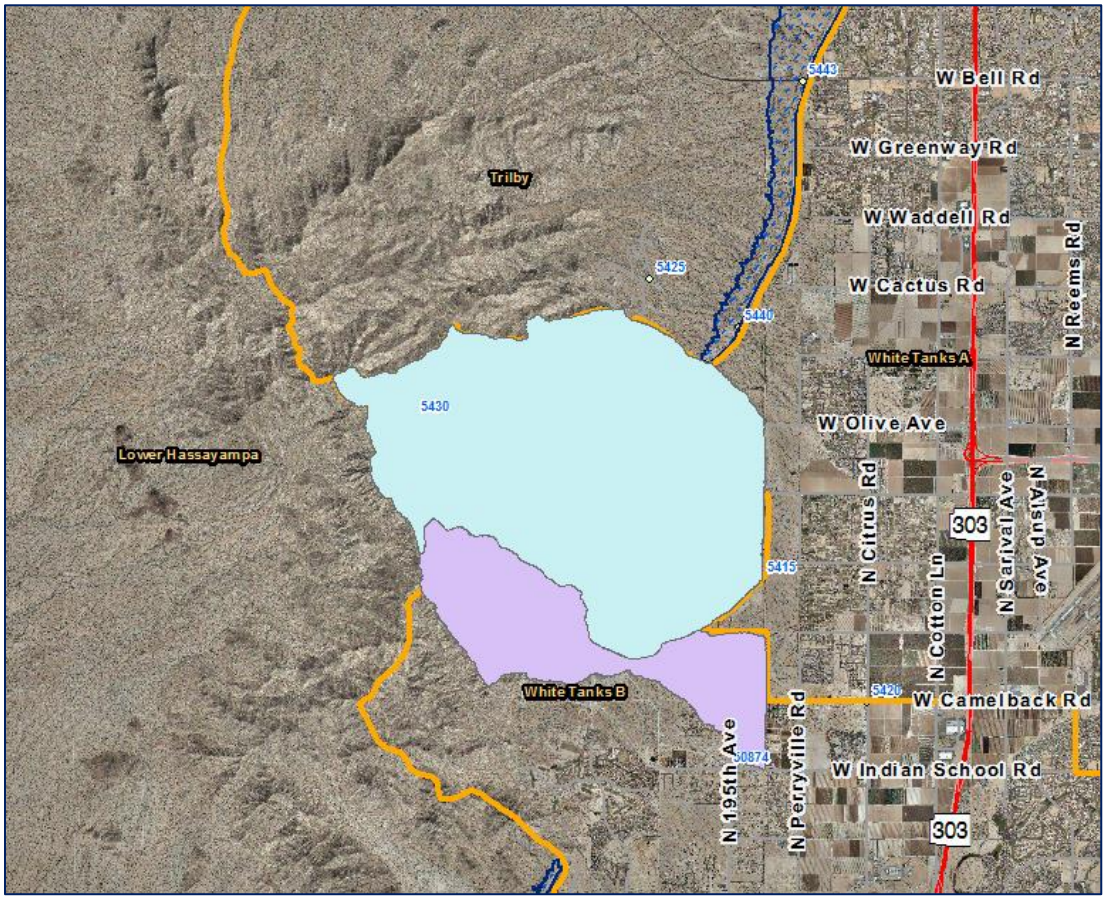
White Tank Outfall Channel, ID #87407

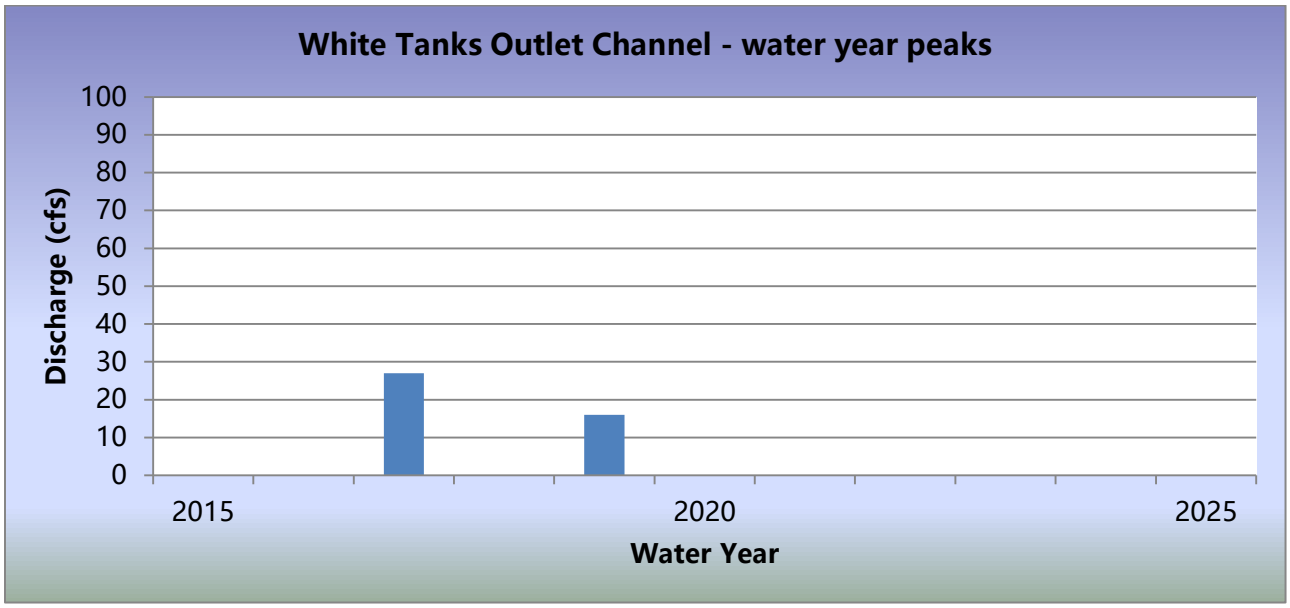


Site Data

LOCATION	At Jackrabbit Trail and Indian School Road
DRAINAGE AREA	26.8 mi^2
STREAM TYPE	Engineered Channel
JURISDICTION	Buckeye, Arizona
WATERSHED	White Tanks B
SECTION/TOWNSHIP/RANGE	S20 T2N R2W
LATITUDE	N 33° 29' 38.0" | +33.49389
LONGITUDE	W 112° 28' 45.4" | -112.47929
STREAMGAGE INSTALLATION DATE	12/07/2016 – WY2017
AVAIALBLE PERIOD OF RECORD	12/07/2016 - Current
LENGTH OF AVAILABLE POR DATA	2.81 Years | 1,028 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.96 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.96 feet Gage Height
EXTREME FOR PERIOD OF RECORD	27 cfs | 1.85 feet | 08/13/2017

Watershed Map

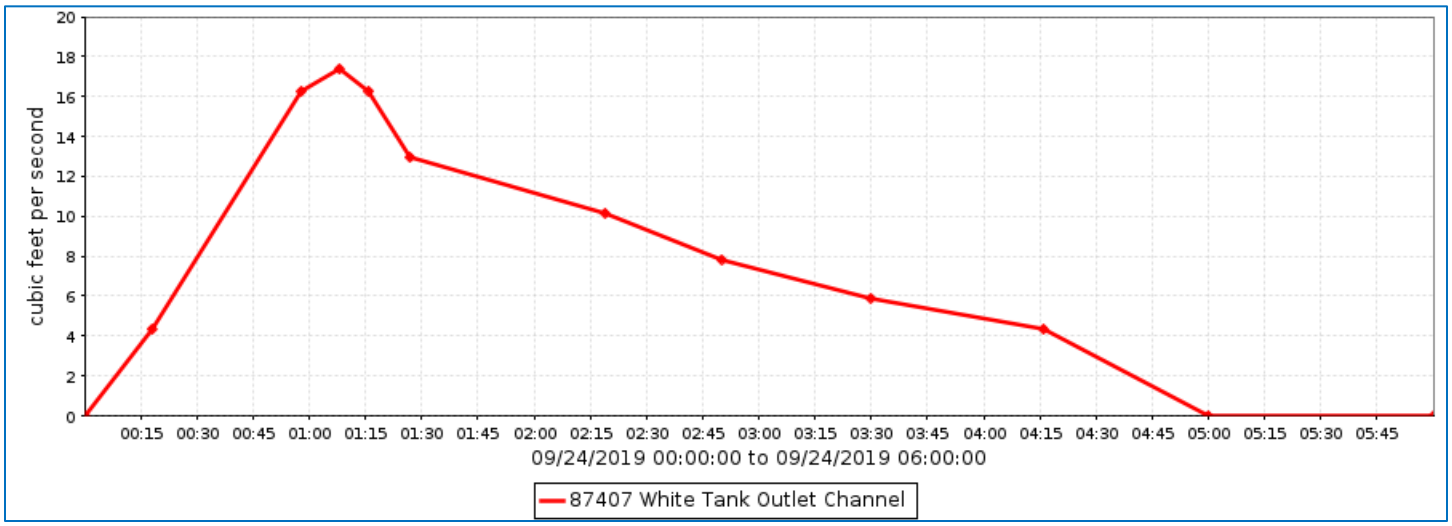




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/02/2018	1.59	16
10/07/2018	1.54	14
10/13/2018	1.19	6
09/24/2019	1.61	16

Hydrograph of peak WY 2019 flow event, 09/24/2019



Flood Flow Frequency

There is not enough data to compute a flood flow frequency for this gage station.

White Tank Outfall Channel, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2											
3												
4												
5												
6												
7	2											
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												2
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	5	0	0	0	0	0	0	0	0	0	0	2
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	16	0	0	0	0	0	0	0	0	0	0	17
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	9	0	0	0	0	0	0	0	0	0	0	3

WTR YR 2019 TOTAL 6 MEAN 0 MAX 17 MIN 0 AC_FT 13

Whitlow Ranch Dam, ID #6739

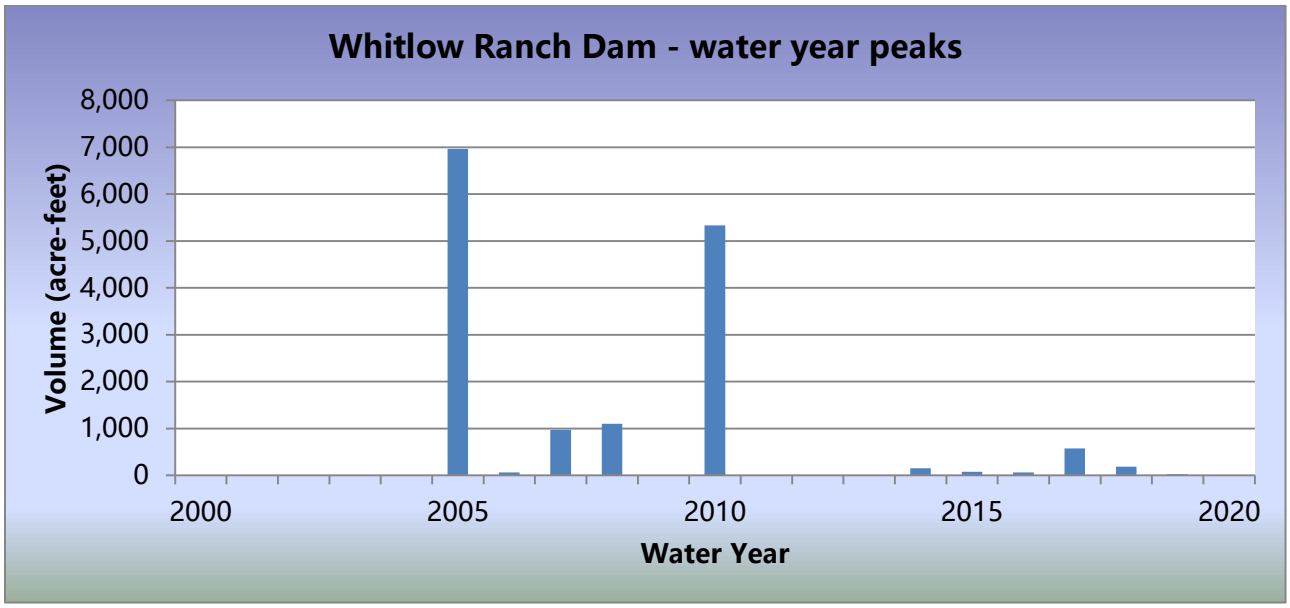


Site Data

LOCATION	East of Apache Junction near Queen Valley
DRAINAGE AREA	143 mi^2
STREAM TYPE	Dam of natural drainage
JURISDICTION	Pinal County, Arizona
WATERSHED	Queen Creek
SECTION/TOWNSHIP/RANGE	S36 T1S R10E
LATITUDE	N 33° 17' 56.6" | +33.29906
LONGITUDE	W 111° 16' 32.8" | -111.27579
STREAMGAGE INSTALLATION DATE	08/02/2000 - WY 2000
AVAILABLE PERIOD OF RECORD (POR)	08/02/2000 - Current
LENGTH OF AVAILABLE POR DATA	19.16 Years | 6,999 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	11.70 feet Gage Height
STAFF GAGES	25
ZERO GAGE HEIGHT ELEVATION	2,057.75 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	110.4 feet Gage Height
TOP OF DAM ELEVATION	143.0 feet Gage Height

Watershed Map

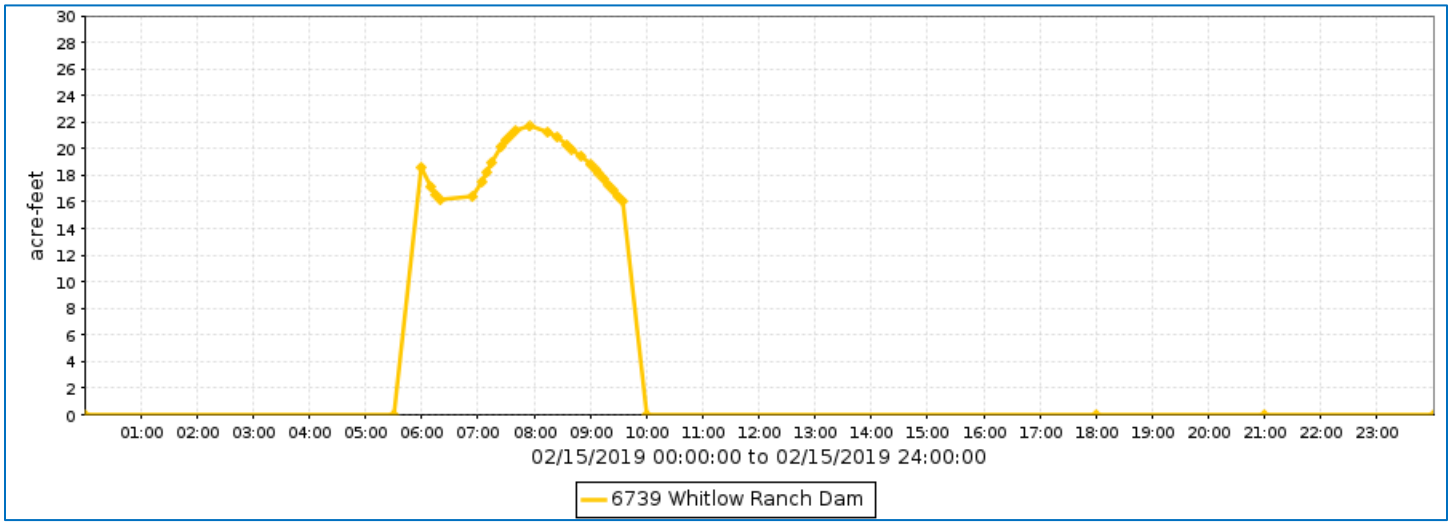




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
02/15/2019	12.71	22.0	0.0

Hydrograph of peak WY 2019 impoundment event, 02/15/2019



Whitlow Ranch Dam, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15					47							
16												
17												
18												
19												
20												
21												
22					---							
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	47	0	0	0	0	0	0	0
MEAN	0	0	0	0	2	0	0	0	0	0	0	0
MAX	0	0	0	0	300	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	93	0	0	0	0	0	0	0

WTR YR 2019 TOTAL 47 MEAN 0 MAX 300 MIN 0 AC_FT 93

Whitlow Ranch Dam, volume data

Volume, in acre-feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15					3							
16												
17												
18												
19												
20												
21												
22					---							
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	22	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2019 MEAN 0 MAX 22 MIN 0

Whitlow Ranch Dam, stage data

Depth, in feet, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
2	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
3	0.0	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
4	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
5	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
8	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
9	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
10	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
11	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
12	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
13	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
14	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
15	11.7	11.7	11.7	11.7	11.8	11.7	11.7	11.7	11.7	11.7	11.7	11.7
16	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
17	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
18	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
19	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
20	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
21	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
22	11.7	11.7	11.7	11.7	---	11.7	11.7	11.7	11.7	11.7	11.7	11.7
23	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
24	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
25	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
26	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
27	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
28	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
29	11.7	11.7	11.7	11.7	---	11.7	11.7	11.7	11.7	11.7	11.7	11.7
30	11.7	11.7	11.7	11.7	---	11.7	11.7	11.7	11.7	11.7	11.7	11.7
31	11.7	---	11.7	11.7	---	11.7	---	11.7	---	11.7	11.7	---
MEAN	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
MAX	11.7	11.7	11.7	11.7	12.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
MIN	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7

WTR YR 2019 MEAN 11.70 MAX 12.71 MIN 11.70

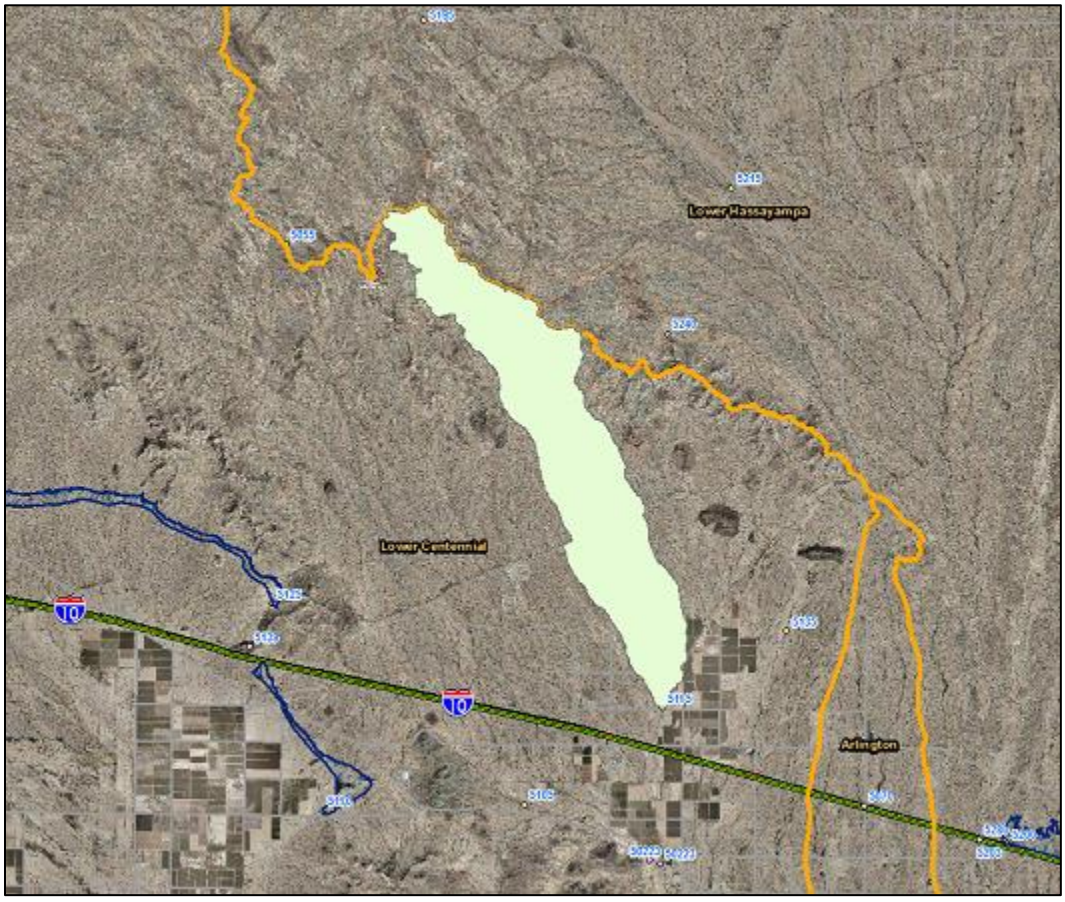
Winters Wash, ID #5118

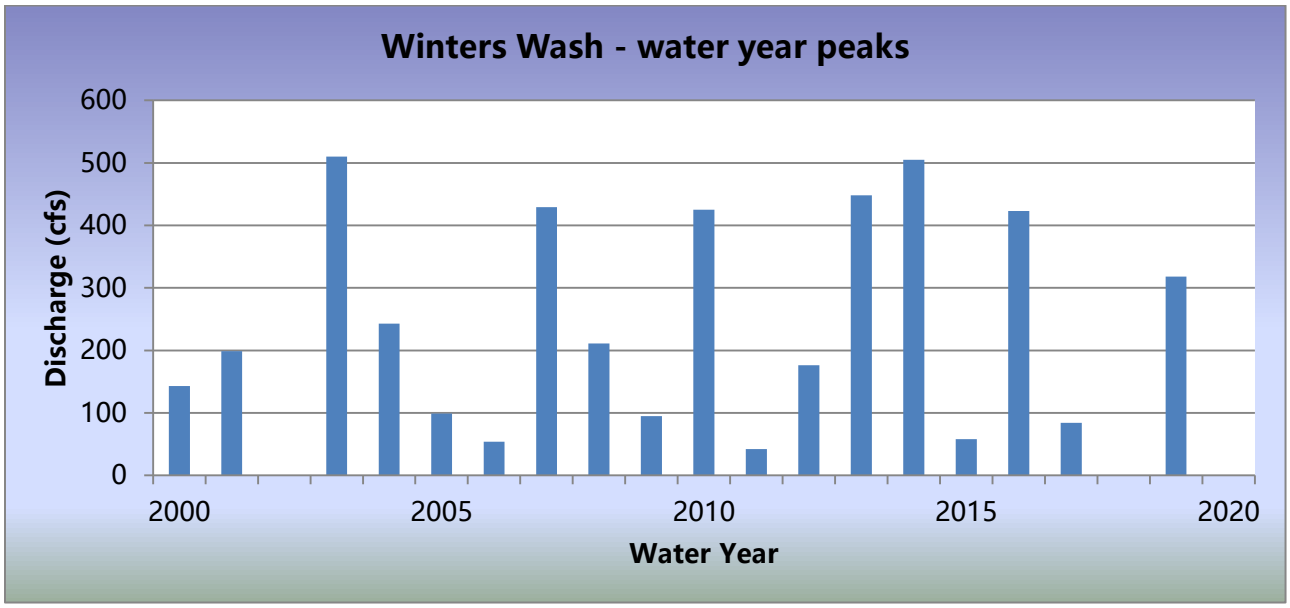


Site Data

LOCATION	Located north of Camelback Road and west of 395th Avenue
DRAINAGE AREA	27.8 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S18 T2N R6W
LATITUDE	N 33° 30' 31.5" | +33.50876
LONGITUDE	W 112° 54' 44.0" | -112.91222
STREAMGAGE INSTALLATION DATE	07/11/2000 - WY 2000
AVAILABLE PERIOD OF RECORD (POR)	07/11/2000 - Current
LENGTH OF AVAILABLE POR DATA	19.22 Years | 7,021 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.51 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,120.00 feet NAVD88
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	510 cfs | 3.30 feet | 07/29/2003

Watershed Map

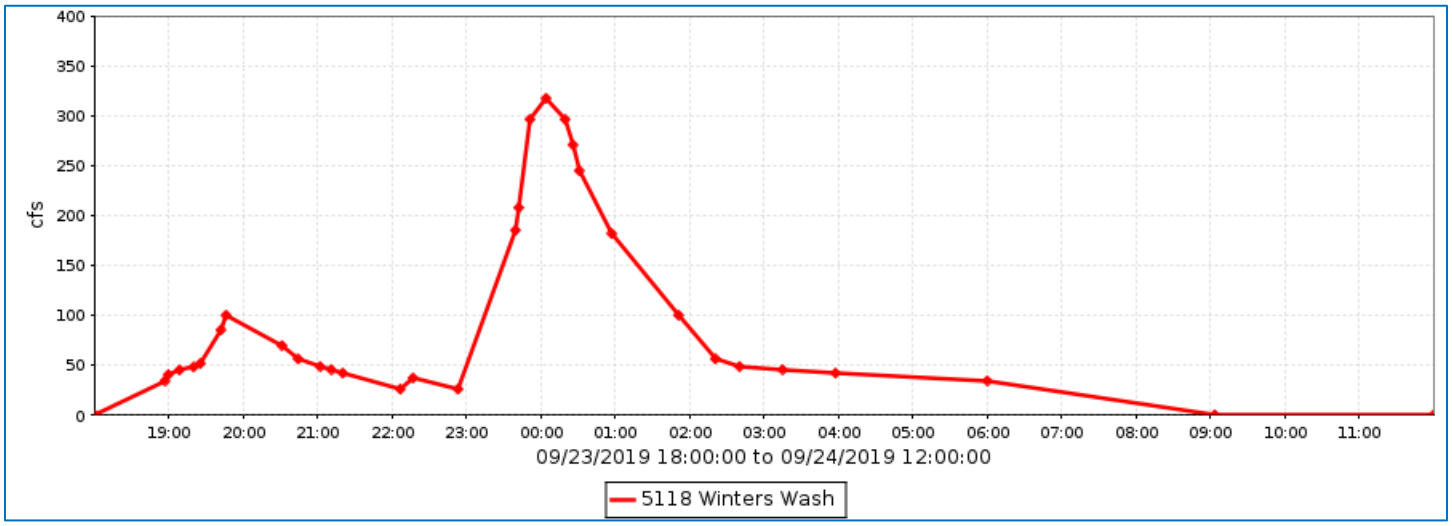




WY2019 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/07/2018	1.11	65
10/13/2018	1.06	58
09/23/2019	1.34	100
09/24/2019	2.53	318

Hydrograph of peak WY 2019 flow event, 09/24/2019



Flood Flow Frequency

Flood Flow Frequency N=20, HEC-WRC computation (based on 20 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
171	**355**	**507**	**673**	**914**	**1,110**

NOTE: These results are based on very limited data.

Winters Wash, runoff data

Discharge, in cfs, Water Year October 2018 to September 2019

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7	4											
8												
9												
10												
11												
12												
13	4											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												13
24												31
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	8	0	0	0	0	0	0	0	0	0	0	44
MEAN	0	0	0	0	0	0	0	0	0	0	0	1
MAX	65	0	0	0	0	0	0	0	0	0	0	318
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	17	0	0	0	0	0	0	0	0	0	0	88

WTR YR 2019 TOTAL 53 MEAN 0 MAX 318 MIN 0 AC_FT 105

End of Report