HYDROLOGIC DATA REPORT
VOLUME II - SURFACE WATER AND STREAMFLOW DATA
WATER YEAR 2020



New River Fire Streamgage, along Table Mesa Road about 3 miles east of I-17
(photo date: November 26, 2019)

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 27th annual water data report published by the District. Annual reports are available for Water Years 1994 – 2020.

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.

Printed copies of this report may be requested and 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 2 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 remained as ALERT1 ID format until this year. Streamgage IDs were all changed from ALERT1 to ALERT2 ID format in the spring of 2020.

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	207
Total Sensors deployed	217
Sensors on Streams	136
Sensors on Impoundments	71
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 27th 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 2020

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 #67307
Cave Creek below Cottonwood Creek	09512280	33 53 14 / 111 57 12	Yes, ID #20707
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 #65807
Gila River at Estrella Parkway nr Goodyear	09514100	33 23 15 / 112 23 30	Yes, ID #83807
Hassayampa River near Morristown	09516500	33 53 06 / 112 39 41	Yes, ID #45507
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 #24707

Table 3: USGS Annual Peak Stations, WY2020

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 #74507
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 #59507
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 #51207
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 #27007
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 #40507
Sauceda Wash near Gila Bend	09519760	32 52 14 / 112 45 30	Yes, ID #71007
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 #25007

DEFINITION OF TERMS

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

Table 4: Definitions

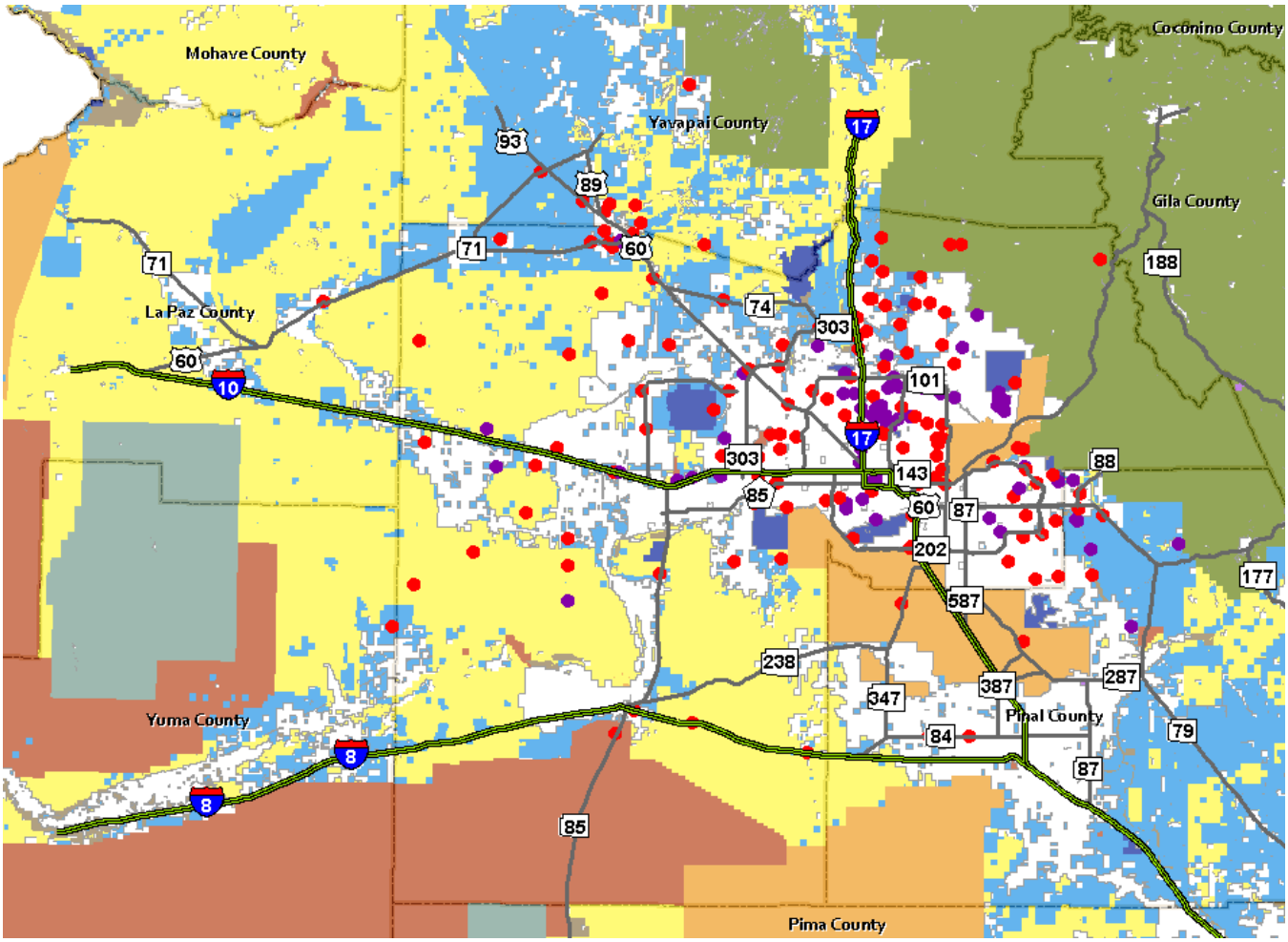
Term	Definition
Acre-foot (ac-ft or af)	The quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.
Basin	A typically man-made structure that is partially or entirely below the normal grade of land where it 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 purpose-built structure containing sensors that make systematic observations of hydrologic data.
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.
Sensor	A sensor, in terms of stream-gaging, is a device that detects the presence of water, and could be a transducer, a bubbler-line, a status sensor, a RADAR device, a float device (USGS), or other mechanism that responds to the presence of water.

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-Only Site	Sites that only measure stage, but no discharge or volume. Sites would include two Game and Fish water troughs, two underpass sites in downtown Phoenix, and three sites with status sensors, but no other sensor types.
Stage-Storage Relationship	is the relation between gage height (stage) and the volume of water stored behind or within a flood control impoundment structure.
Station	See 'Gage Station, or Station' in the table above.
Status Sensor	A device that trips a switch 'on' when a float on the sensor is actuated by rising water level. Conversely, the switch is 'off' when the water level falls below the levels of the float. Is used to indicate that water has reached a pre-determined level.
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 2020



●	Streamflow Station
●	Impoundment / Storage Station

New Installations in Water Year 2020

There were 2 new streamgage stations established during Water Year 2020.

Table 5: New Installations

Station	ID	Date Installed	Requesting Agency
Deadman Wash at SR303L	62107	10/17/2019	City of Peoria
New River at SR303L	62213	12/12/2019	City of Peoria

Station Changes in Water Year 2020

- ALERT 1 ID's have all been changed to ALERT2 ID's.
- Tat Momolikot Station (773/64207) permanently removed on May 20, 2020.

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	10007	1
ACDC at 14th Street	10507	5
ACDC at 43rd Avenue	11307	9
ACDC at 67th Avenue	13807	13
Adobe Dam Pool	65017	18
Adobe Dam Outlet	65007	23
Agua Fria River at Grand Avenue	14707	27
Agua Fria River at Buckeye Road (MC-85)	85307	31
Amigos Wash	80507	35
Antelope Creek	55207	39
Apache Junction FRS	81307	43
Apache Trail	36507	49
Aspen Dam	78707	53
Baseline Road at 43rd Avenue Basin	66407	59
Bender Wash	40507	65
Berneil Wash	59207	69
Blue Tank Wash	52707	73
Box Wash	47507	77
Buckeye FRS #1	44007	79
Buckeye FRS #2	44507	85
Buckeye FRS #3	48807	93
Bullard Wash at Indian School Road	89507	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	52007	137
Casandro Dam	53007	141
Cave Buttes Dam Pool	19517	147
Cave Buttes Dam Outlet	19507	152
Cave Creek at Ashdale Ranger Station	21307	156
Cave Creek at Spur Cross	20707	160
Cave Creek (in town of Cave Creek)	19007	164
Cave Creek near Cave Creek	20507	168
Cave Creek at CAP	19807	172
Cave Creek at Cactus Road	11807	176
Centennial Wash near Aguila	29007	180
Centennial Wash at Wenden	27507	184
Centennial Levee	25707	188
Centennial Wash at UPRR	24707	192
Centennial Tributary at Dobbins Road	22807	196

NAME	ID	Page
Cline Creek	66007	200
Colter Channel at El Mirage Road	85507	204
Columbus Wash	40807	208
Copper Wash	41007	212
Crossroads Park	33007	216
Cruff Wash	23707	221
Daggs Wash	48507	225
Deadman Wash at SR303L	62107	229
Delaney Wash	25007	233
Desert Hills Wash	19307	237
Dreamy Draw Dam	9807	241
Dysart Drain at LAFB	85807	247
Dysart Drain at El Mirage Road	85707	251
East Fork Cave Creek Basin #1	7807	255
East Fork Cave Creek Basin #3A	8807	261
East Fork Cave Creek Basin #3B	8707	267
East Fork Cave Creek Basin #4	8207	273
East Fork Cave Creek near 7th Avenue	8507	279
El Mirage Road Drain	14507	283
East Maricopa Floodway (EMF) at Broadway Road	34307	287
EMF below Powerline Floodway	33707	291
EMF at Queen Creek Road	34807	295
EMF at Arizona Avenue	35507	299
Estrella Fan	84207	303
Flying E Wash	51707	307
Ford Canyon Wash	86207	311
Fourth of July Wash	41207	315
Freestone Basin	32807	319
Galloway Wash at Galloway Road	20607	324
Gila River at Olberg Road	42007	328
Gila River at Maricopa Road	41707	332
Gila River at 116th Avenue Bridge (Avondale Blvd.)	70707	336
Gila River at Estrella Parkway	83807	340
Golden Eagle Park Dam	78007	344
Grand Avenue at 27th Avenue Basin	3807	350
Granite Reef Diversion	75007	356
Granite Reef Wash	57507	360
Greene Wash at SR84	64007	364
Guadalupe Channel	35707	368
Guadalupe FRS	68207	372
Harquahala FRS	26007	378
Hartman Wash	51207	384
Hassayampa River at Wagoner Bridge	54307	388
Hassayampa River at Box Canyon	53507	392

NAME	ID	Page
Hassayampa River at US60	45707	396
Hassayampa River near Morristown	45507	400
Hassayamap River at I-10	48007	404
Hesperus Dam	79007	408
Indian Bend Wash (IBW) at Sweetwater Avenue	58307	414
IBW at Shea Boulevard	59507	418
IBW near Indian Bend Road	56307	422
IBW at McDonald Drive	57207	426
IBW at Indian School Road	56507	430
IBW near McKellips Road	55707	434
IBW Interceptor Channel	56807	438
Jackrabbit Wash	45007	442
Lake Margherite	59007	446
Laveen Basin	67807	450
Magma FRS	42307	456
Martinez Creek	49507	462
McDowell Mountain Road	76007	466
McMicken Dam at Bell Road	71507	470
McMicken Dam	71707	474
McMicken Floodway	71307	480
Mineral Canyon Basin	68807	484
New River Fire	62707	490
New River at SR303L	62213	494
New River Dam Pool	62017	498
New River Dam Outlet	62007	503
New River at Bell Road	61707	507
New River at Glendale Avenue	61507	511
North Heights Dam	78207	517
Old Crosscut Canal	4707	523
Paradise Lane at 33rd Drive Basin	12407	527
Paradise Lane at 47th Avenue Basin	13707	533
Pecos Sediment Basin	70007	539
Pecol Basin Pool	70017	545
Pecos North Inlet	69307	551
Pecos East Inlet	69507	555
Pecos West Inlet	69807	559
Phoenix Dam #2A	8907	563
Phoenix Dam #2B	9907	569
Phoenix Dam #3	11507	575
Phoenix Dam #4	12207	583
Phoenix Dam #7	13307	587
Phoenix Dam #99	12707	593
Phoenix East Park Dam	13007	599
Phoenix West Park Dam	13507	605

NAME	ID	Page
Phoenix Zoo Dam #3	4307	611
Phoenix Zoo Dam #5	4407	617
Picacho Wash	74207	623
Pima Canyon Wash	68707	627
Powder House Wash	52507	631
Powerline Floodway	37507	635
Powerline FRS	36807	639
Price Drain at Loop 202	31507	645
Prickly Pear Wash	8107	649
Queen Creek at CAP	38007	653
Queen Creek at Rittenhouse Road	37707	657
Rainbow Wash	42807	661
Rawhide Wash	61007	665
Reata Pass Dam	61207	669
Reata Pass Wash	60007	673
Rittenhouse FRS	37207	679
Roeser Road at 23rd Avenue Basin	66807	685
Saddleback FRS	25207	691
Salt River below Granite Reef Diversion	75307	697
Salt River at Val Vista Drive	39507	701
Salt River at Priest Drive	67307	705
Salt River at 7th Avenue	68007	709
Salt River at 51st Avenue	5307	713
Salt River at 67th Avenue	5807	717
Sand Tank Wash at I-8	40007	721
Santa Cruz River at SR84	63807	725
Sauceda Wash	71007	729
Scatter Wash	14007	733
Seven Springs Wash	21807	737
Signal Butte FRS	79507	741
Siphon Draw Wash at Signal Butte Road	37607	747
Skunk Creek near New River	66207	751
Skunk Creek at Desert Hills Drive	64807	755
Skunk Creek at Carefree Highway	65707	759
Skunk Creek at Dixileta Drive	64907	763
Skunk Creek at I-17	65807	767
Skunk Tank Wash	64707	771
Sols Wash at SR71	47707	775
Sols Wash Tributary at US93	50007	779
Sols Wash near Matthie	50807	783
Sonoqui Wash near Hawes Road	36307	787
Sonoran Wash	65907	791
South Mountain Fan	70507	795
Spookhill FRS	74707	799

NAME	ID	Page
Spookhill FRS at McDowell Road	80007	805
Spookhill FRS at McKellips Road	79807	811
Spookhill FRS at Brown Road	81507	815
Stagecoach Wash	20007	823
Stoneridge Dam	77307	827
Sun Valley Parkway at Northern Avenue Wash	48307	833
Sunnycove FRS	46507	837
Sunridge Canyon Dam	77507	843
Sunset FRS	46007	849
Sycamore Creek Fire PT	81807	853
Tat Momolikot Dam	64207	859
Tatum Wash Basin Inlet	58007	865
Tatum Wash Basin	58507	869
Tenth Street Wash Basin #1	11007	875
Tiger Wash	27007	879
Twin Buttes Wash	73207	885
University Drive at 62nd Street (Mesa) Basin	34607	889
Upper Trilby Wash	73807	895
UPRR Underpass at First Avenue	3107	899
UPRR Underpass at Central Avenue	3207	903
US60 at Gold Canyon Wash	36907	907
Vekol Wash	74507	911
Vineyard FRS	37007	915
Vulture Mine Road	47007	921
Wagner Wash at Sun Valley Parkway	44707	925
Waterman Wash at Rainbow Valley Road	83307	929
Weekes Wash at Baseline Road	39207	933
White Tanks FRS #3	87307	937
White Tanks FRS #4	87807	943
White Tank Outflow Channel	87407	949
Whitlow Ranch Dam	63307	953
Winters Wash	25507	959

SUMMARY OF SIGNIFICANT STREAMFLOW EVENTS

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

In summary, Water Year 2020 was a year of significant contrast. The water year started with a dry October, but turned rainy in the second half of November, with significant events on November 20 and 29. Many streams recorded high flows on and around those two dates. Additional rainfall and runoff occurred in December, around the ninth, and around the period of the 24th – 27th. January turned drier with no notable runoff. Again, winter storms picked up in frequency in February and March with events on 2/10, 2/20-21, and a period 3/11-3/18, with additional significant runoff events on and around March 13. Significant snow and rain in the upper watersheds of the Salt and Verde Rivers caused the storage reservoirs to fill, and the Salt River through Phoenix to flow for the second consecutive winter.

The busy winter season was not matched in the summer monsoon season. There were only three days in the summer that runoff occurred: July 23, August 20 and August 30.

As a contrast, the winter season recorded 855 events among all the stream stations, whereas during the summer season, there were 37 events recorded among all the stream stations.

Stations recording flow in winter:	158	77.5 %
Stations with no flow in winter:	46	22.5 %
Stations recording flow in summer:	32	15.7 %
Stations with no flow in summer:	172	84.3 %

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

Maximum Flows for Water Year 2020 at Selected FCDMC Water Level Sensor Locations

Red values are peaks of record

Location	Discharge (cfs)	Stage (feet)	Date
ACDC at 43rd Avenue (11307)	1,250	2.71	11/20/2019
ACDC at 67th Avenue (13807)	1,574	5.51	11/20/2019
Agua Fria at Buckeye Road (85307)	1,739	0.76	03/13/2020
Cave Creek at Ashdale RS (21307)	2,058	6.77	03/13/2020
Cave Creek at Spur Cross (20707)	2,248	8.33	03/13/2020
Cave Creek (19007)	2,304	6.15	03/13/2020
Cave Creek near Cave Creek (20507)	1,491	3.45	11/29/2019
Cave Creek near Cave Creek (20507)	1,449	3.40	03/13/2020
Cave Creek near Cactus Road (11807)	432	10.41	11/20/2019
Centennial Wash at Wenden (27507)	2,229	3.86	11/29/2019
Centennial Wash at UPRR (24707)	1,628	10.50	03/13/2020
Cline Creek (66007)	982	4.26	11/20/2019
Cruff Wash (23707)	**1,627**	**4.73**	03/12/2020
East Fork Cave Creek near 7th Avenue (8507)	700	2.58	03/13/2020
Flying E Wash (51707)	1,242	2.80	Unknown
Fourth of July Wash (41207)	781	2.20	11/29/2019
Hassayampa River at Wagoner (54307)	440	3.07	03/13/2020
Hassayampa River at Box Canyon (53507)	1,914	6.53	11/20/2019
Hassayampa River at Box Canyon (53507)	7,641	10.08	03/13/2020
Hassayampa River at US60 (45707)	5,590	2.87	11/29/2019
Hassayampa River at US60 (45707)	5,432	2.84	03/13/2020
Hassayampa River near Morristown (45507)	2,110	9.88	11/29/2019
Hassayampa River near Morristown (45507)	4,664	11.13	03/13/2020
Hassayampa River at I-10 (48807)	767	2.64	11/29/2019
Hassayampa River at I-10 (48807)	987	2.98	03/13/2020
Indian Bend Wash at McDonald Drive (57207)	907	1.26	03/13/2020
Indian Bend Wash at Indian School Road (56507)	713	2.36	03/14/2020
Indian Bend Wash near McKellips Road (55707)	789	2.55	03/13/2020
Jackrabbit Wash (45007)	1,222	3.51	03/13/2020
Martinez Creek (49507)	1,479	5.97	11/29/2019

Continued Next Page

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

Maximum Flows for Water Year 2020 at Selected FCDMC Water Level Sensor Locations, continuted

Red values are peaks of record

Location	Discharge (cfs)	Stage (feet)	Date
New River Fire (62707)	12,151	6.75	11/20/2019
New River Fire (62707)	10,660	6.20	11/29/2019
New River Fire (62707)	3,210	3.09	03/13/2020
New River at SR303L (62213)	**3,107**	**4.81**	03/13/2020
New River Dam Outlet (62007)	823	7.89	11/29/2019
New River at Bell Road (61707)	1,013	1.50	11/29/2019
New River at Glendale Ave (61507/61513)	2,371	4.18	03/12/2020
Price Drain (31507)	360	4.95	07/24/2020
Queen Creek at CAP (38007)	628	5.65	03/19/2020
Rainbow Wash (42807)	1,899	3.84	07/23/2020
Salt River at Granite Reef Dam (75307)	3,004	10.31	03/22/2020
Salt River at Val Vista Drive (39507)	3,022	4.81	03/22/2020
Salt River at Priest Drive (67307)	4,119	5.93	03/22/2020
Salt River at 7th Avenue (68007)	1,722	6.62	03/23/2020
Salt River at 51st Avenue (5307)	485	4.20	03/24/2020
Salt River at 67th Avenue (5807)	552	5.49	03/24/2020
Seven Springs Wash (21807)	558	3.16	03/13/2020
Skunk Creek at Desert Hills Drive (64807)	1,370	3.17	11/20/2019
Skunk Creek at Carefree Highway (65707)	2,362	4.50	11/20/2019
Skunk Creek at Dixileta Drive (64907)	1,394	3.94	11/20/2019
Skunk Creek at I-17 (65807)	1,835	2.67	11/20/2019
Sols Wash near Matthie (50807)	710	1.99	11/21/2019
Tiger Wash (27007)	1,481	7.22	11/29/2019
White Tank Outfall at Indian School Rd (87407)	**425**	**2.06**	07/23/2020

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

Maximum Impoundments for Water Year 2020 at Selected FCDMC Water Level Sensor Locations

Red values are peaks of record

Location	Discharge (cfs)	Stage (feet)	Contents (ac-ft)	Contents (%full)	Date
Adobe Dam Pool (65017)	202	5.21	72.8	0.3	11/21/2019
Buckeye FRS #2 (44507)	29	0.71	0.7	0.1	03/12/2020
Casandro Dam Pool (53007)	16	6.21	9.7	8.0	11/29/2019
Cave Buttes Dam Pool (19517)	179	13.08	88.4	0.2	11/30/2019
Dreamy Draw Dam (9807)	116	8.42	2.8	0.9	03/12/2020
New River Dam Pool (62017)	803	12.62	1,035.2	2.3	11/29/2019
New River Dam Pool (62017)	326	6.75	270.0	0.6	03/13/2020
North Heights Dam (78207)	129	7.19	2.1	1.6	02/10/2020
Pecos Sediment Basin (70007)	19	8.13	16.9	36.9	11/30/2019
Phoenix Dam 2A (8907)	26	8.32	12.1	20.3	03/13/2020
Phoenix Dam 2B (9907)	19	4.32	2.2	4.5	03/13/2020
Phoenix Dam 3 (11507)	50	9.27	5.0	8.6	03/13/2020
Phoenix Dam 4 (12207)	20	5.40	3.0	7.1	03/12/2020
Phoenix Dam 7 (13307)	46	8.02	4.5	3.7	03/13/2020
Phoenix East Park Dam (13007)	31	3.93	1.3	6.2	03/13/2020
Phoenix West Park Dam (13507)	45	6.83	10.3	9.1	11/29/2019
Phoenix West Park Dam (13507)	45	6.73	10.1	9.0	03/13/2020
Saddleback FRS (25207)	37	1.07	68.3	1.0	11/29/2019
Sunnycove FRS (46507)	0	11.19	9.1	4.4	11/29/2019
Sunset FRS (46007)	0	7.29	8.0	10.3	11/29/2019
Tat Momolikot Dam (773/64207)	0	4.68	932.0	0.5	02/10/2020
White Tank FRS #3 (87307)	0	2.04	119.0	3.5	11/20/2019
White Tank FRS #4 (87807)	0	6.41	66.6	4.5	03/19/2020

Note: Many stations recorded multiple events. These include 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.

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.

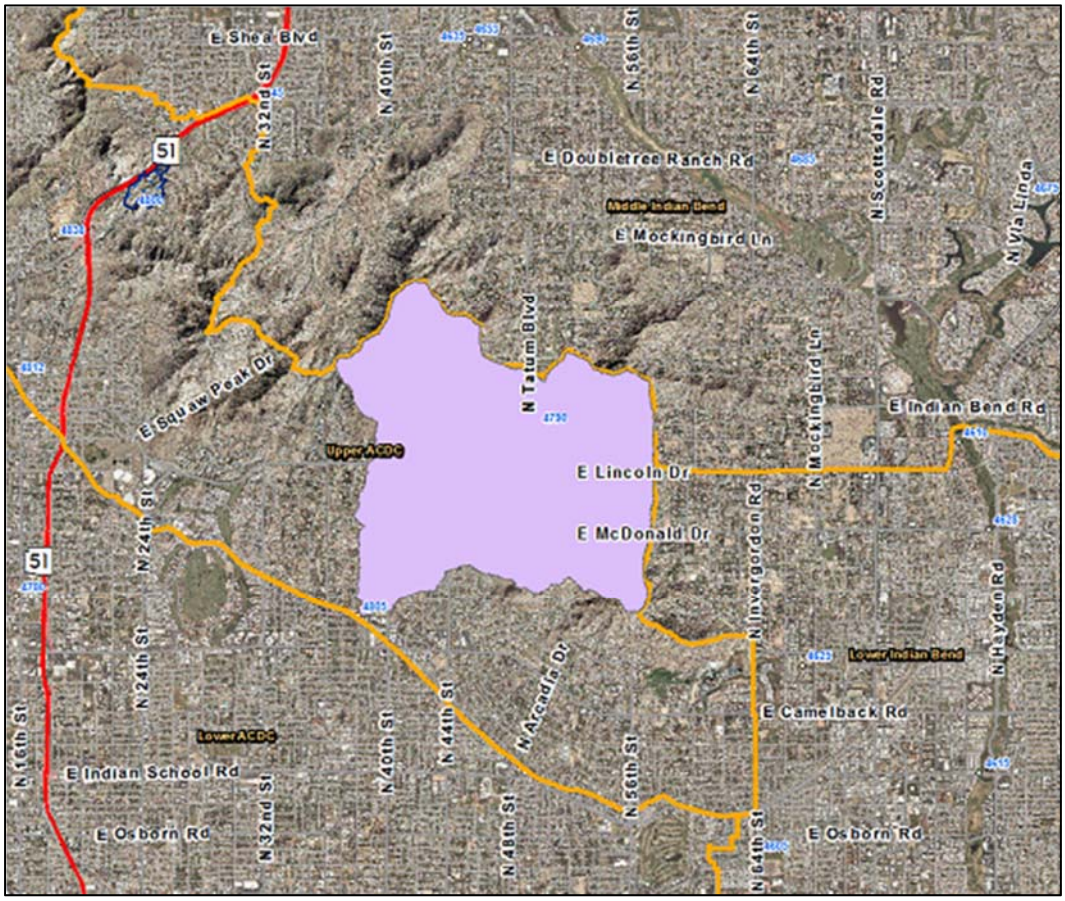
Arizona Canal Diversion Channel at 36th Street, ID #10007

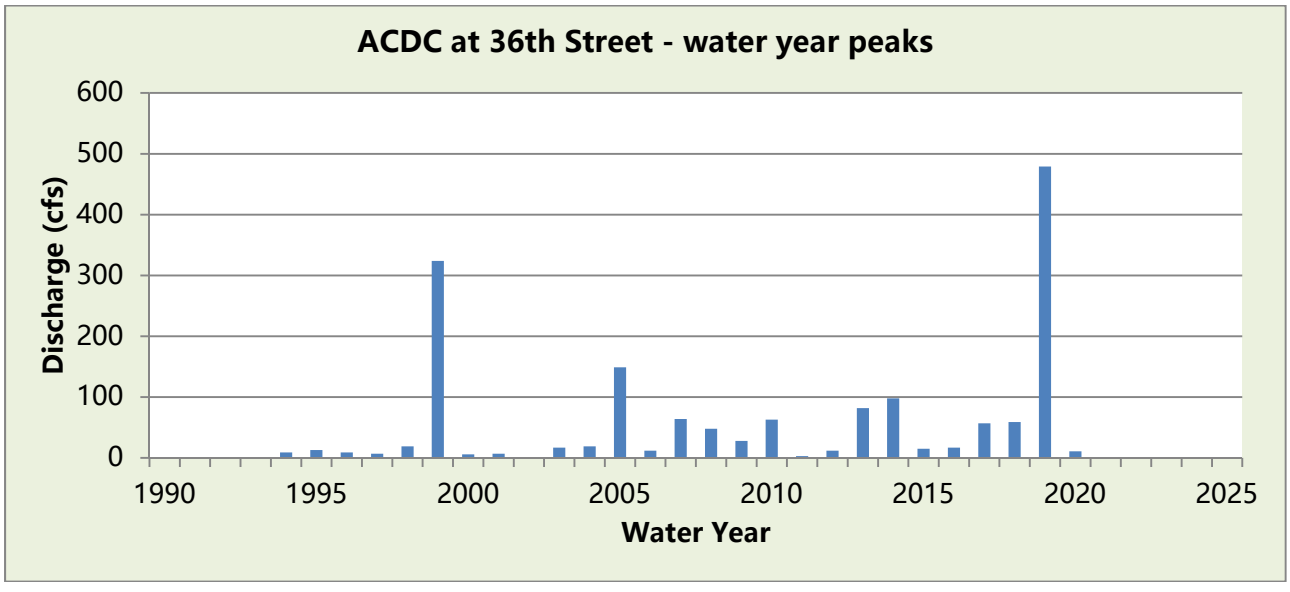


Site Data

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	26.60 Years | 9,716 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

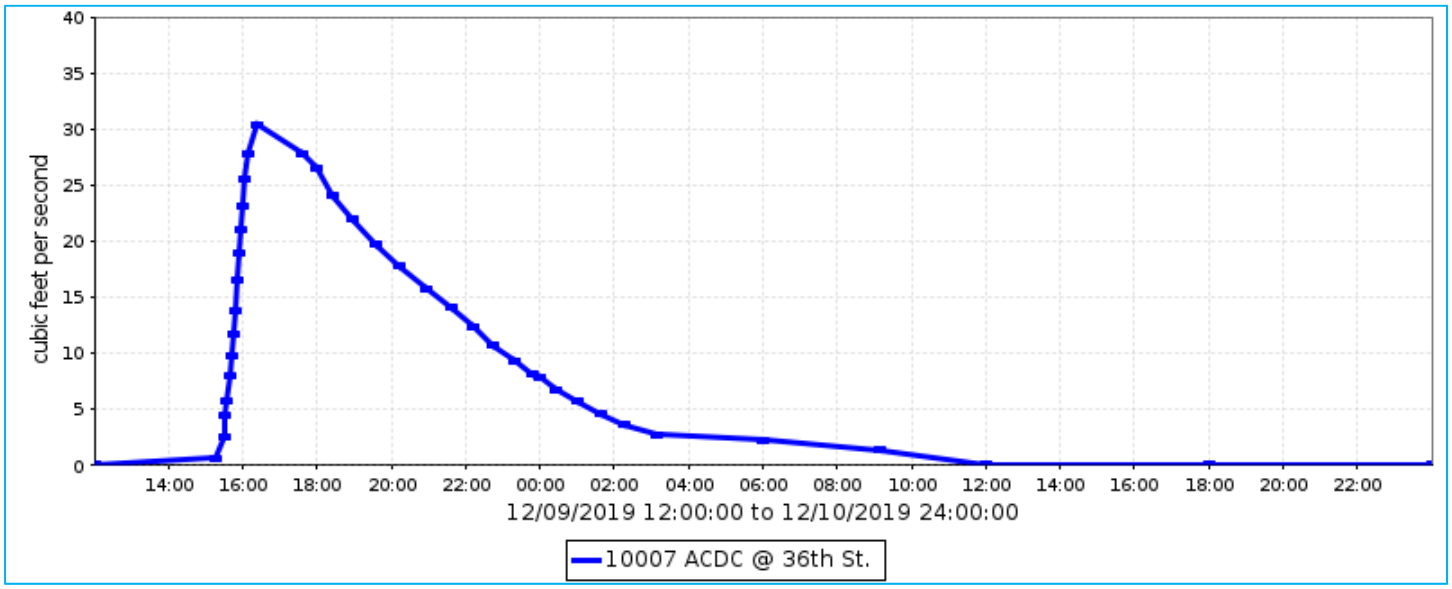




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/05/2019	0.74	4
11/20/2019	2.08	21
11/29/2019	1.34	10
12/09/2019	2.61	30
12/27/2019	0.66	4
02/11/2020	0.84	5
02/22/2020	1.04	7
03/11/2020	0.99	6
03/12/2020	0.89	6
03/13/2020	1.47	11
03/18/2020	0.72	4
08/20/2020	1.40	11

Hydrograph of peak WY 2020 flow event, 12/09/2019



Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
23	**72**	**138**	**246**	**490**	**793**

ACDC at 36th Street, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 TOTAL 40 MEAN 0 MAX 30 MIN 0 AC_FT 79

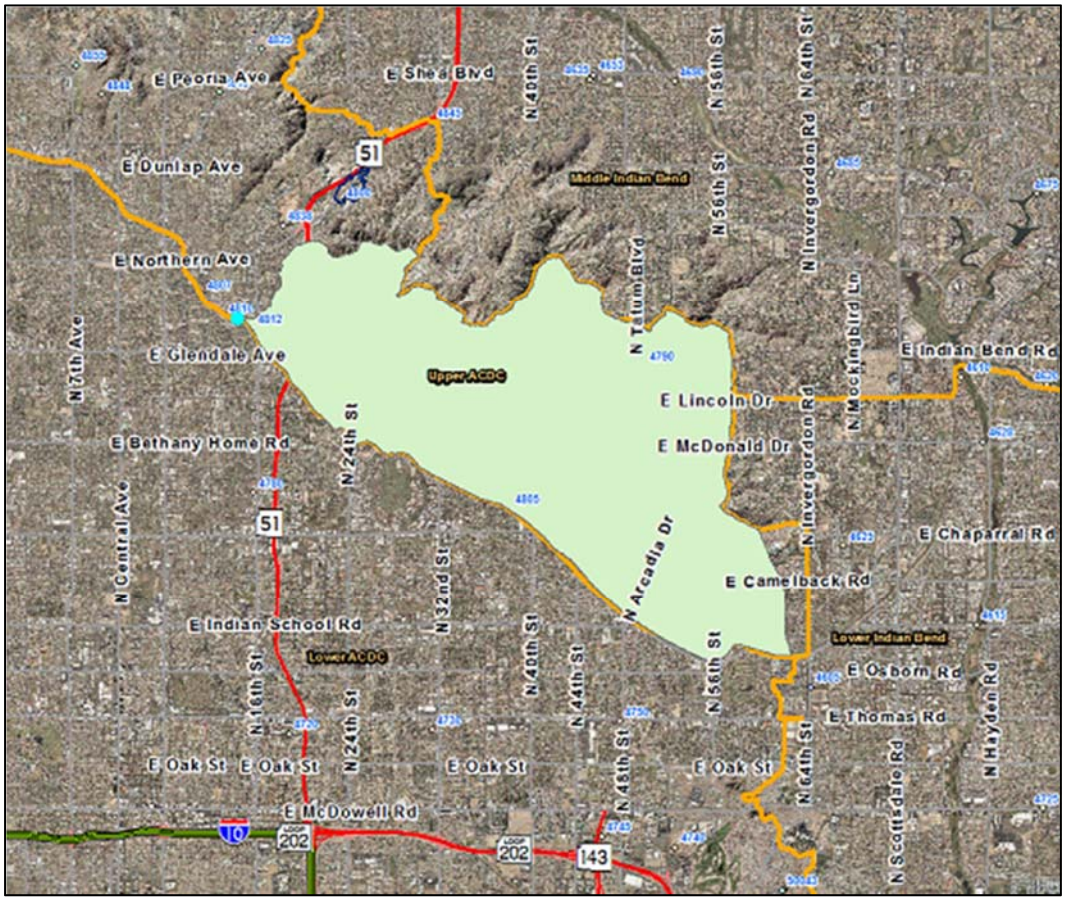
Arizona Canal Diversion Channel at 14th Street – ID #10507

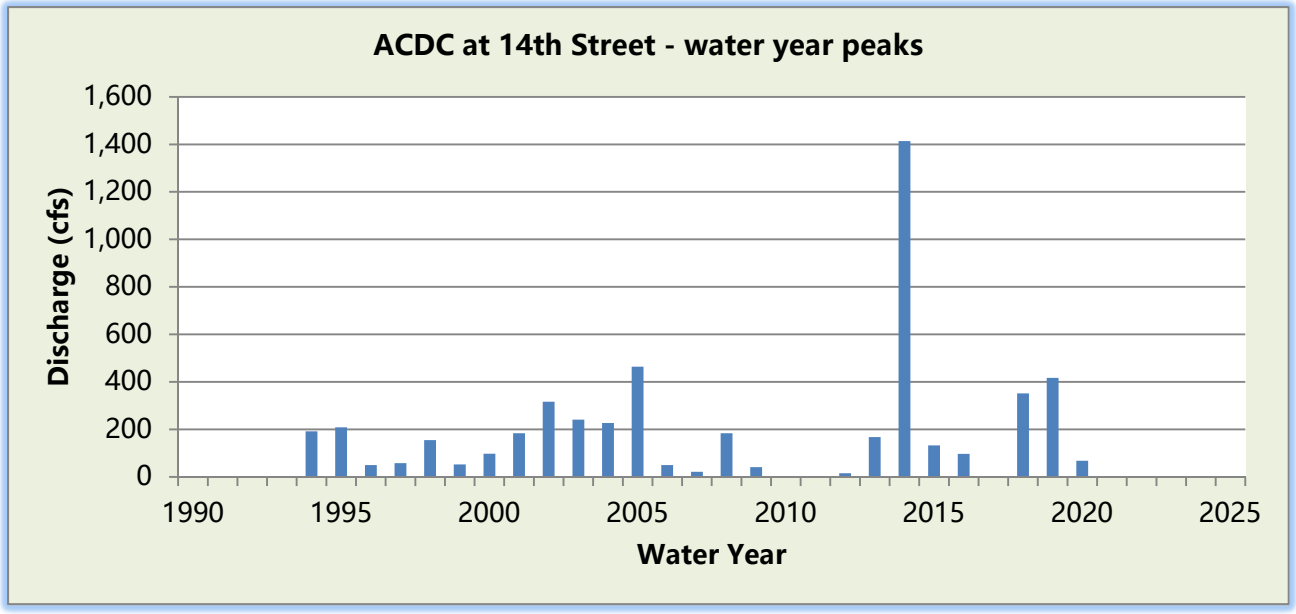


Site Data

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	26.64 Years | 9,731 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

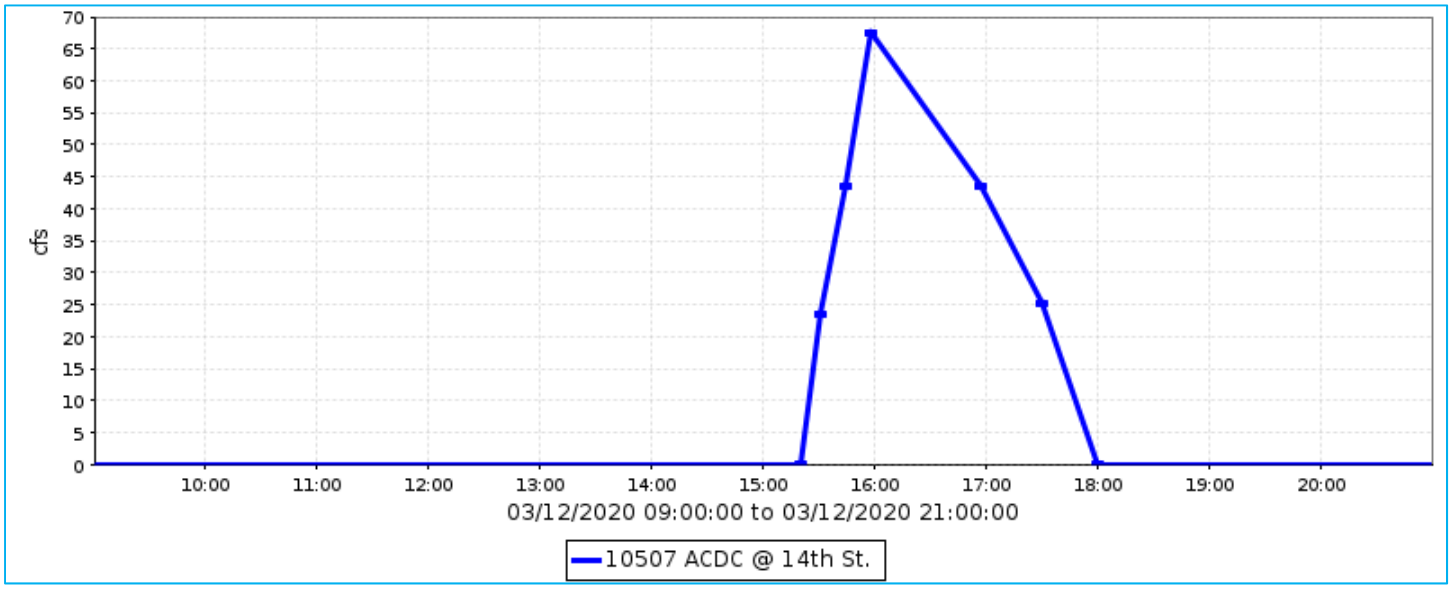




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	0.91	46
12/24/2019	0.66	25
03/12/2020	1.12	68
03/13/2020	0.99	54

Hydrograph of peak WY 2020 flow event, 03/12/2020



Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
111	**326**	**507**	**688**	**919**	**1080**

ACDC at 14th Street, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						5						
13						8						
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24			2									
25												
26												
27												
28												
29		6										
30					---							
31		---			---		---		---			---
TOTAL	0	6	2	0	0	13	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	46	25	0	0	68	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	12	4	0	0	25	0	0	0	0	0	0

WTR YR 2020 TOTAL 21 MEAN 0 MAX 68 MIN 0 AC_FT 42

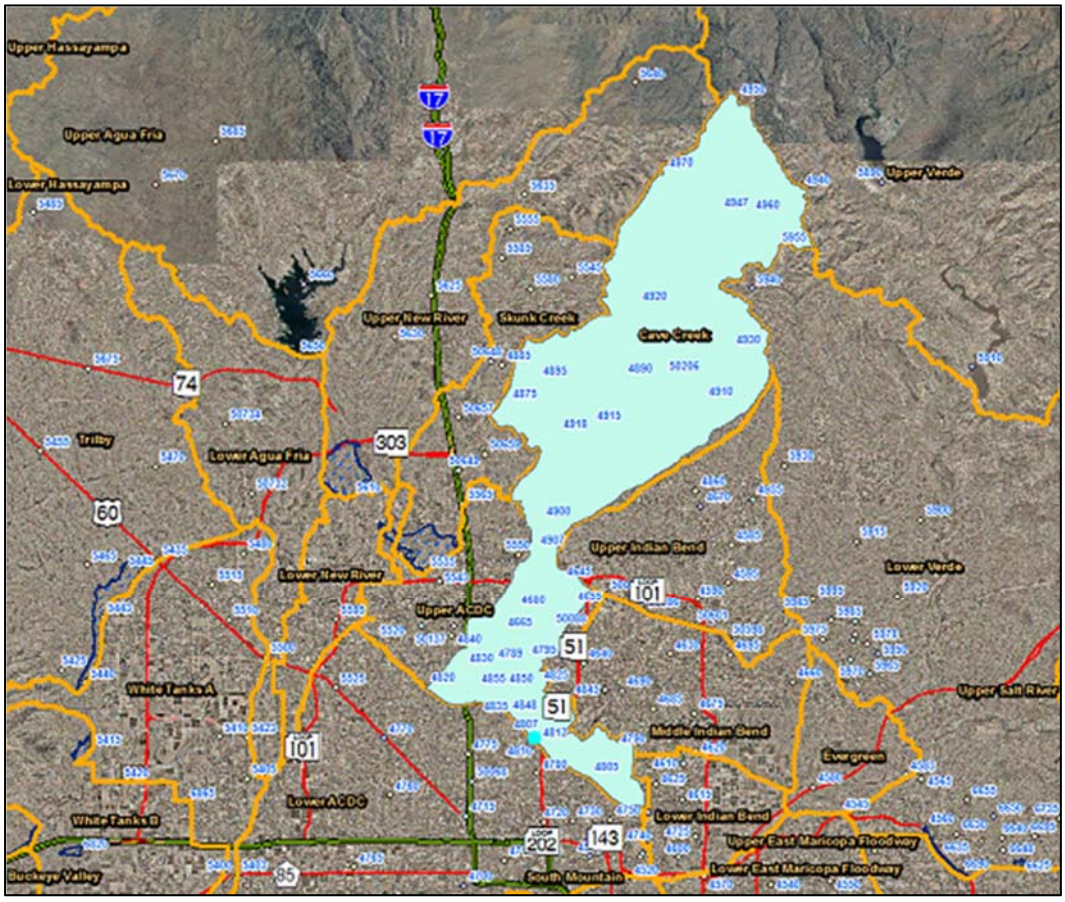
Arizona Canal Diversion Channel at 43rd Avenue, ID #11307

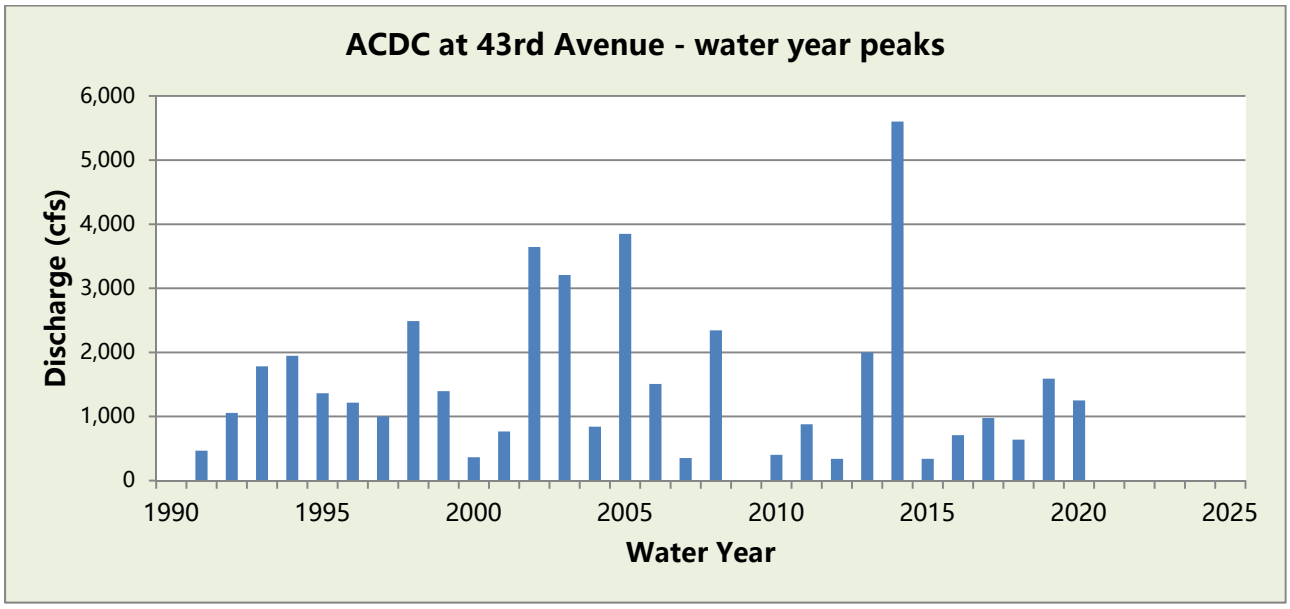


Site Data

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	29.88 Years | 10,914 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

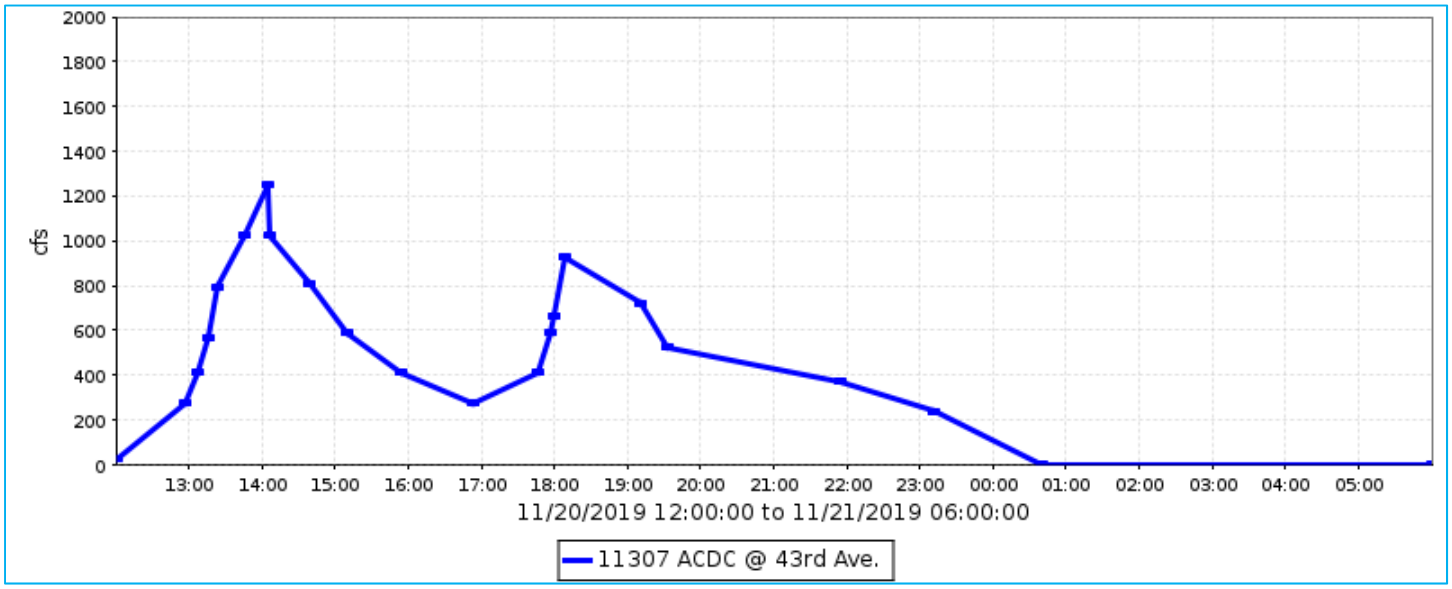




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	2.41	1,008
11/20/2019	2.71	1,250
11/29/2019	2.11	773
12/07/2019	1.21	254
12/09/2019	1.59	439
12/25/2019	1.24	267
02/11/2020	1.56	422
02/22/2020	1.51	396
03/12/2020	1.59	439
03/12/2020	1.21	254
03/13/2020	2.14	795

Hydrograph of peak WY 2020 flow event, 11/20/2019



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**
1,100	**2,150**	**3,060**	**4,100**	**5,730**	**7,180**

ACDC at 43rd Avenue, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7			11									
8												
9			21									
10												
11					70							
12						49						
13						123						
14												
15												
16												
17												
18												
19												
20		336										
21		7										
22					85							
23												
24												
25			22									
26												
27												
28												
29		165										
30					---							
31		---			---		---		---			---
TOTAL	4	511	56	1	157	176	3	3	3	3	3	3
MEAN	0	17	2	0	5	6	0	0	0	0	0	0
MAX	0	1250	439	0	422	795	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	7	1013	110	3	311	350	6	6	6	5	6	5

WTR YR 2020 TOTAL 921 MEAN 3 MAX 1250 MIN 0 AC_FT 1827

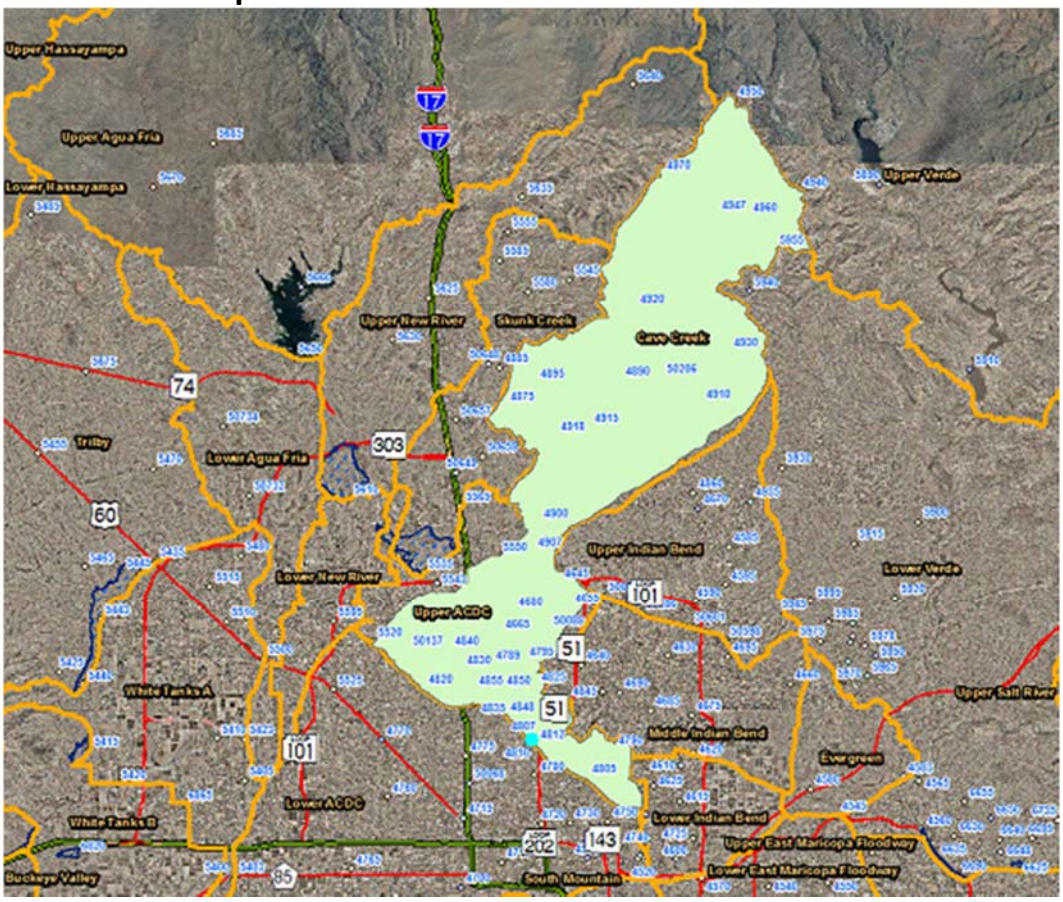
Arizona Canal Diversion Channel at 67th Avenue, ID #13807

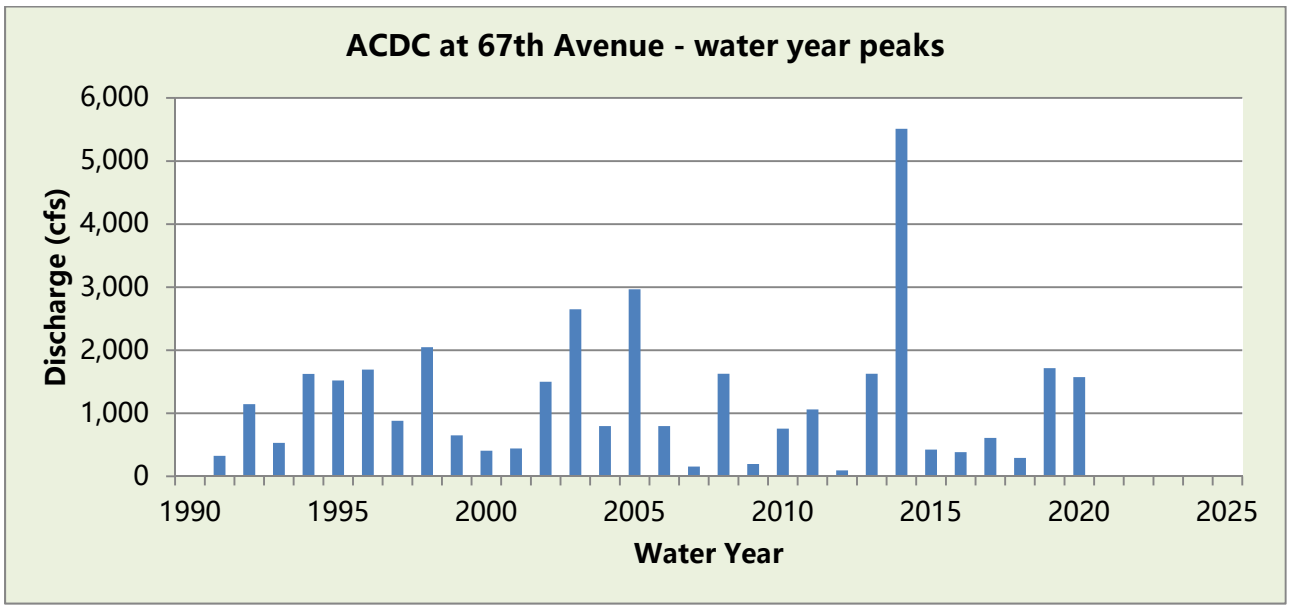


Site Data

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	30.32 Years | 11,074 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

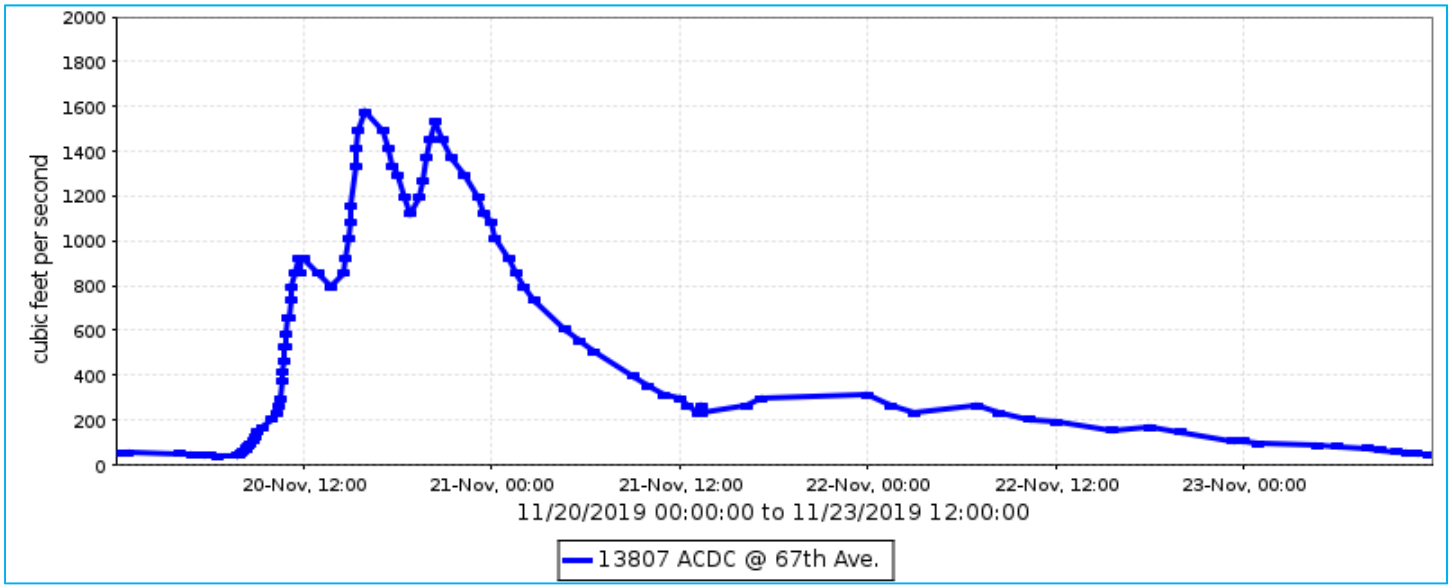




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	5.51	1,574
11/29/2019	5.12	1,265
12/01/2019	3.65	395
12/09/2019	3.60	373
12/24/2019	2.67	107
12/25/2019	3.21	231
02/11/2020	4.43	794
02/22/2020	4.24	683
03/13/2020	4.43	794
03/13/2020	4.43	794
03/13/2020	4.77	1,013
03/15/2020	3.36	279
03/19/2020	3.16	216
08/31/2020	0.68	13

Hydrograph of peak WY 2020 flow event, 11/20/2019



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**
874	**1,830**	**2,610**	**3,450**	**4,660**	**5,640**

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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			270	22	17	16						
2		9	82	20	17	17						
3		14	21	21	19	16						
4		14	17	20	22	16						
5		13	16	21	22	14						
6		20	16	21	22	13						
7		13	17	18	20	13						
8		12	49	17	19	14						
9		12	102	21	18	15						
10		12	45	20	17	14						
11		12	19	22	265	62						
12		14	19	22	28	247						
13		15	18	21	19	538						
14		15	16	20	18	241						
15		15	16	20	18	195						
16		15	19	20	18	165						
17		15	19	19	17	53						
18		15	18	20	16	58						
19		20	20	18	16	80						
20		691	20	17	15	22						
21		442	19	20	14	16						
22		203	19	19	240	15						
23		58	19	18	88	13						
24		24	60	19	25	14						
25		19	110	18	17	14						
26		19	46	18	19	15						
27		19	37	16	18	18						
28		16	41	18	16	17						
29		487	27	19	16	15						
30		162	23	17	---	14						
31		---	21	17	---	10	---	---			3	---
TOTAL	0	2394	1242	598	1077	1971	0	0	0	0	3	0
MEAN	0	80	40	19	37	64	0	0	0	0	0	0
MAX	0	1574	395	28	794	1013	0	0	0	0	13	0
MIN	0	0	9	8	7	0	0	0	0	0	0	0
AC_FT	0	4749	2464	1186	2137	3910	0	0	0	0	7	0

WTR YR 2020 TOTAL 7287 MEAN 20 MAX 1574 MIN 0 AC_FT 14453

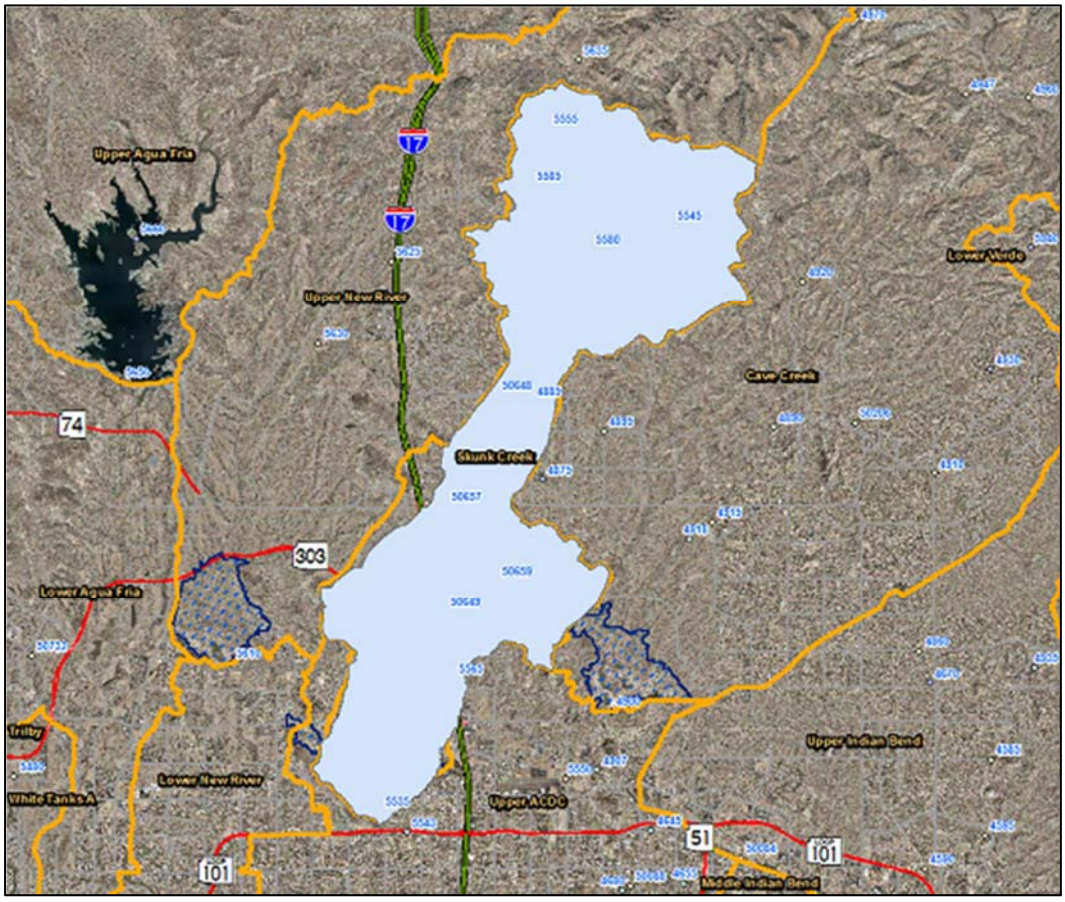
Adobe Dam Pool, ID #65017

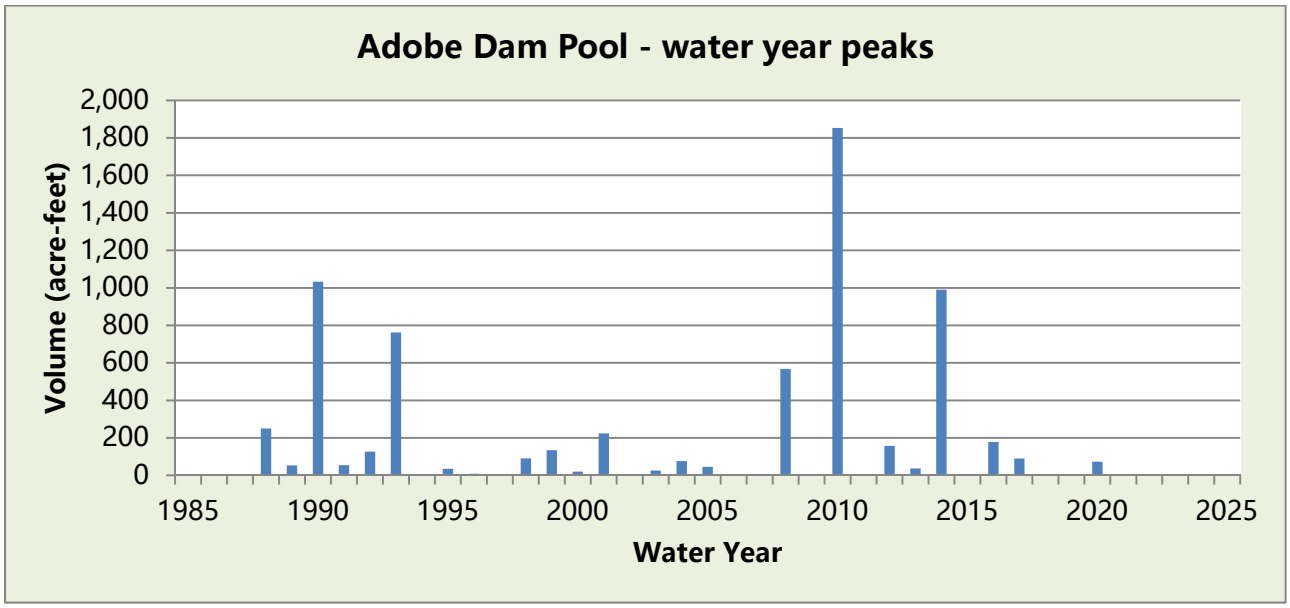


Site Data

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	32.09 Years | 11,720 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

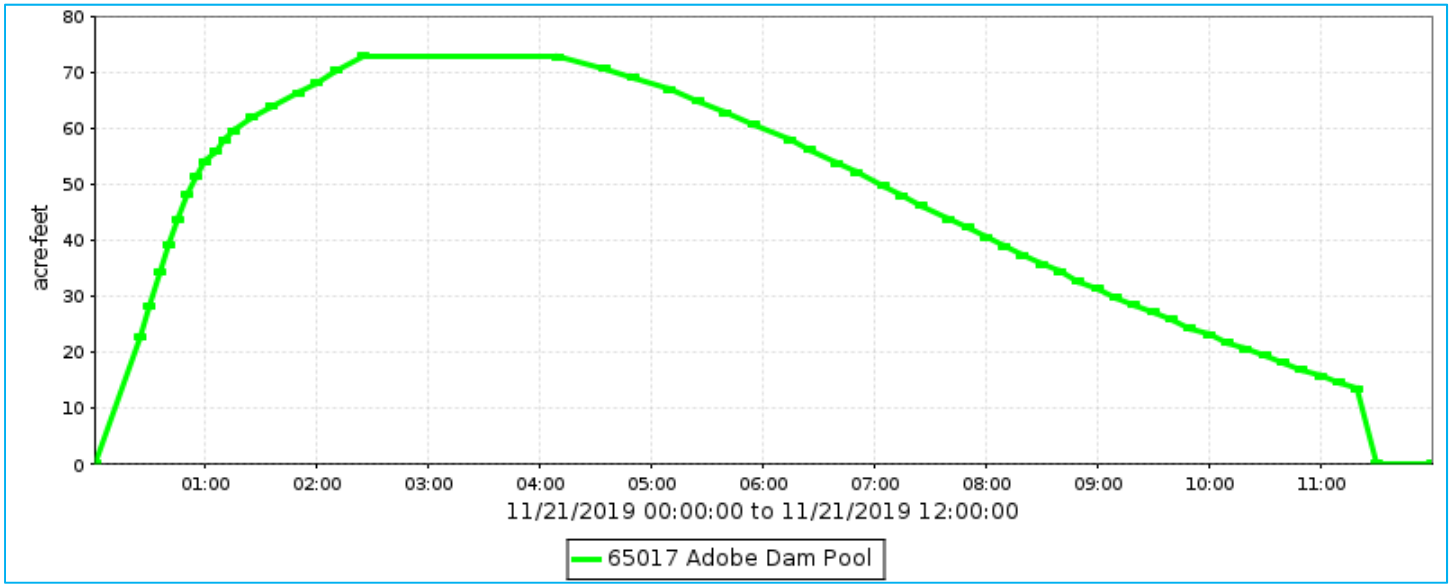




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/21/2019	5.21	72.8	0.3
11/29/2019	5.04	66.9	0.3

Hydrograph of peak WY 2020 impoundment event, 11/21/2019



Adobe Dam Pool, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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		23										
22												
23												
24												
25												
26												
27												
28												
29		22										
30					---							
31		---			---		---		---			---
MEAN	0	2	0	0	0	0	0	0	0	0	0	0
MAX	0	73	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 2020 MEAN 0 MAX 73 MIN 0

Adobe Dam Pool, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	2.9
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	2.9	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	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
8	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
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	0.0	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	0.0	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	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	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	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
21	2.9	3.6	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	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	0.0	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	3.5	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	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
MAX	2.9	5.2	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 2020 MEAN 2.85 MAX 5.21 MIN 2.85

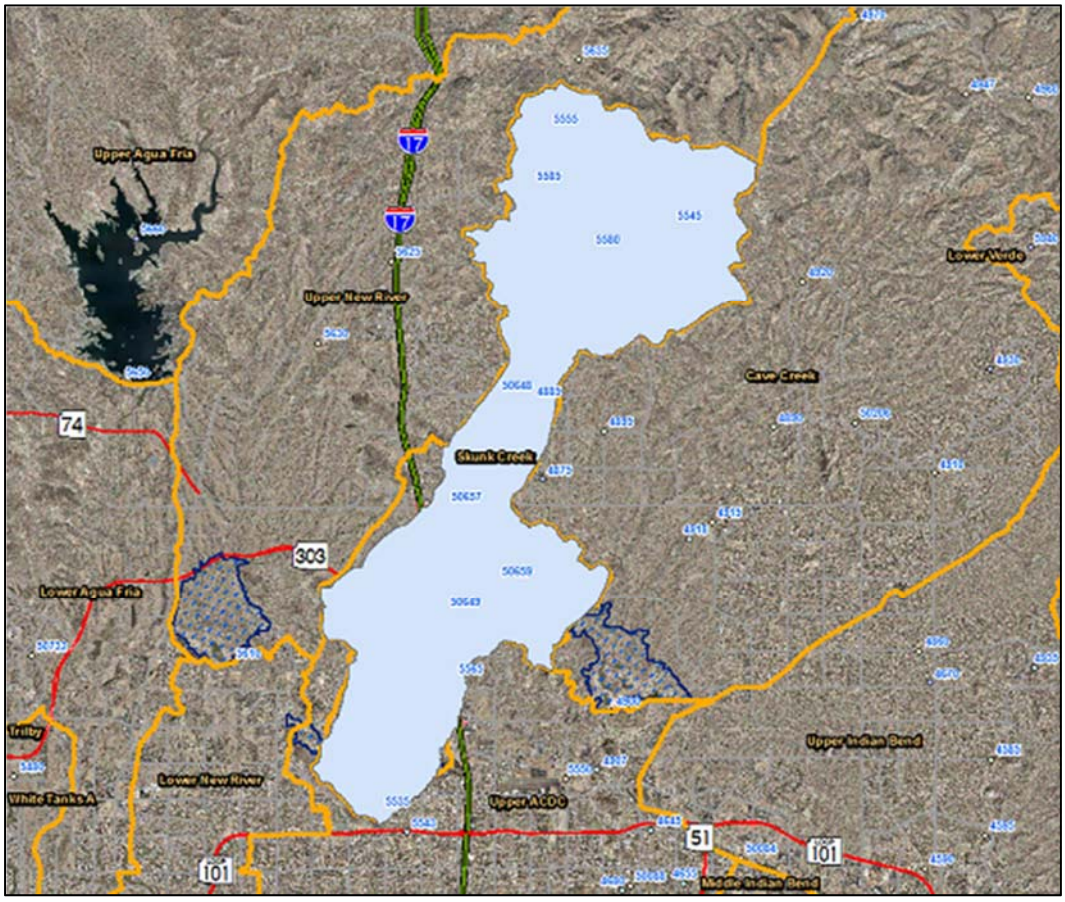
Adobe Dam Outlet, ID #65007

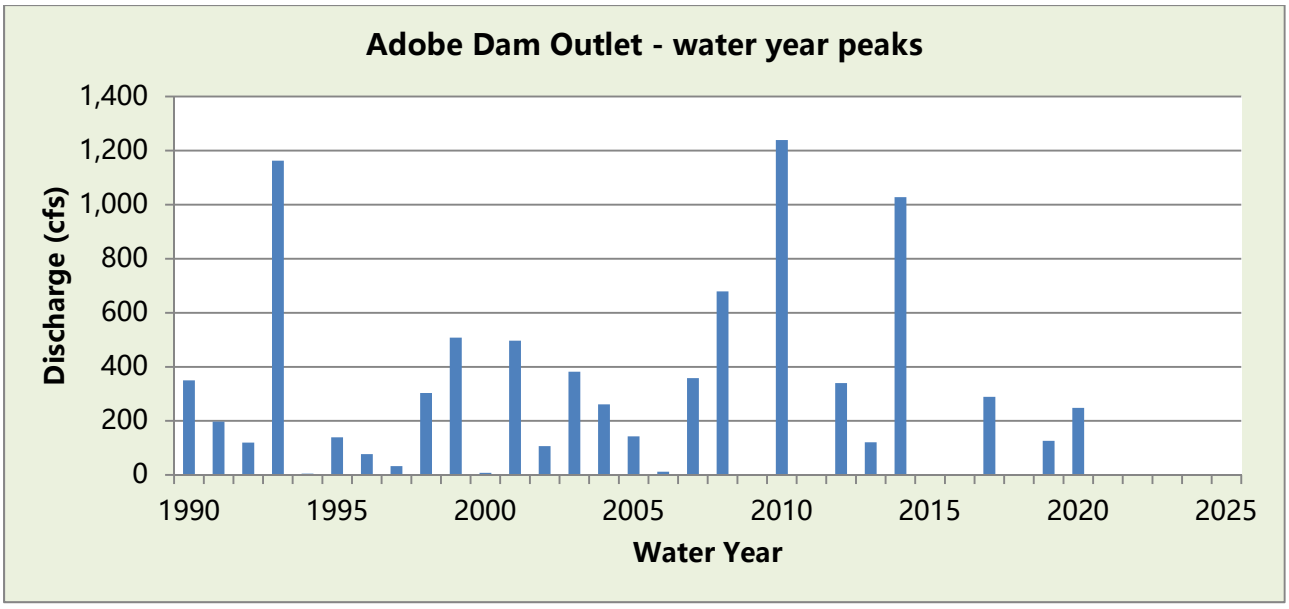


Site Data

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)	08/30/1990 - Current
LENGTH OF AVAILABLE POR DATA	32.09 Years | 11,720 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

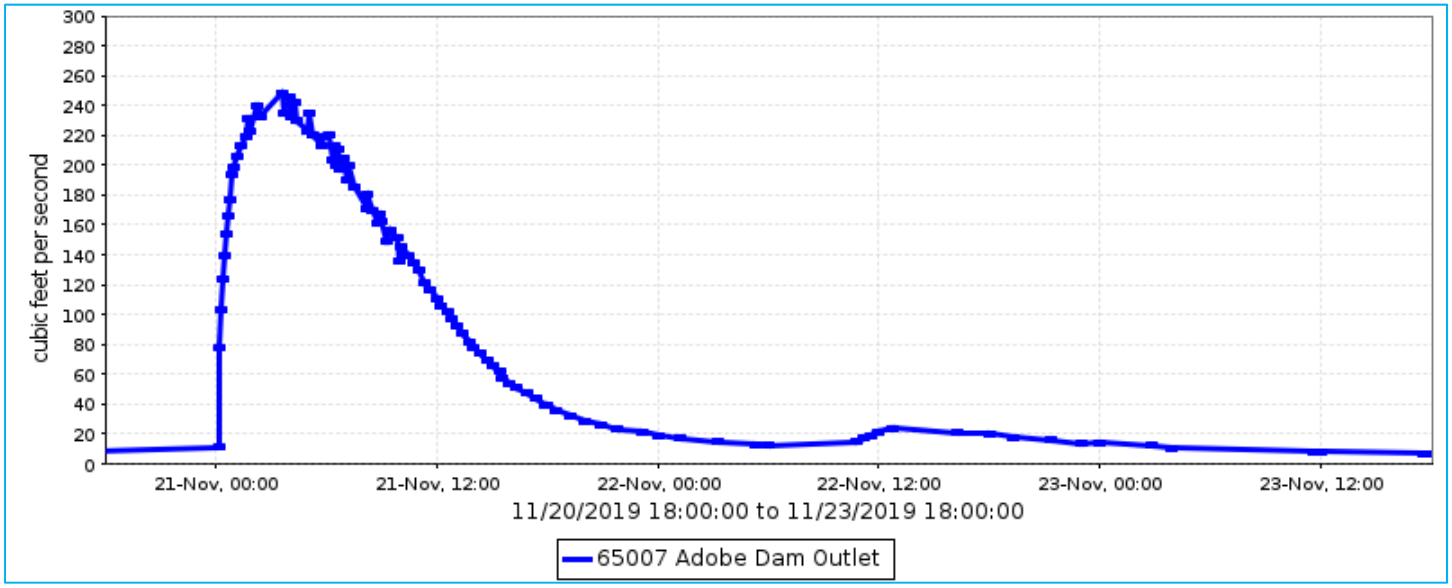




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/21/2019	3.56	248
11/29/2019	3.40	229
12/09/2019	0.68	11

Hydrograph of peak WY 2020 flow event, 11/21/2019



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			7									
2			4									
3			1									
4												
5												
6												
7					---							
8					---							
9			2		---							
10			4									
11			1									
12												
13												
14												
15												
16												
17												
18												
19												
20		---										
21		119					29					
22		17										
23		9										
24		4										
25		2										
26		1										
27												
28												
29		96										
30		28			---							
31		---			---		---		---			---
TOTAL	0	276	18	0	0	0	29	0	0	0	0	0
MEAN	0	9	1	0	0	0	1	0	0	0	0	0
MAX	0	248	11	0	0	0	175	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	547	36	0	0	0	58	0	0	0	0	0

WTR YR 2020 TOTAL 323 MEAN 1 MAX 248 MIN 0 AC_FT 641

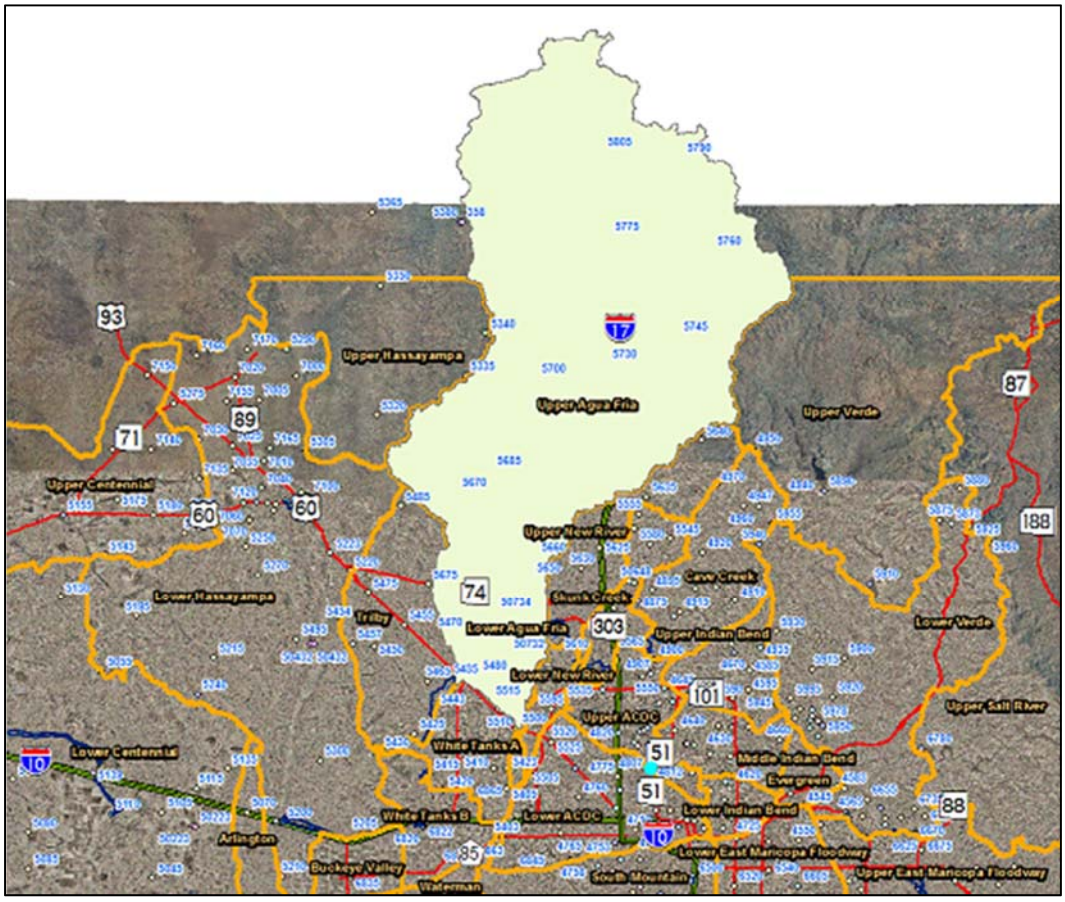
Agua Fria River at Grand Avenue, ID #14707

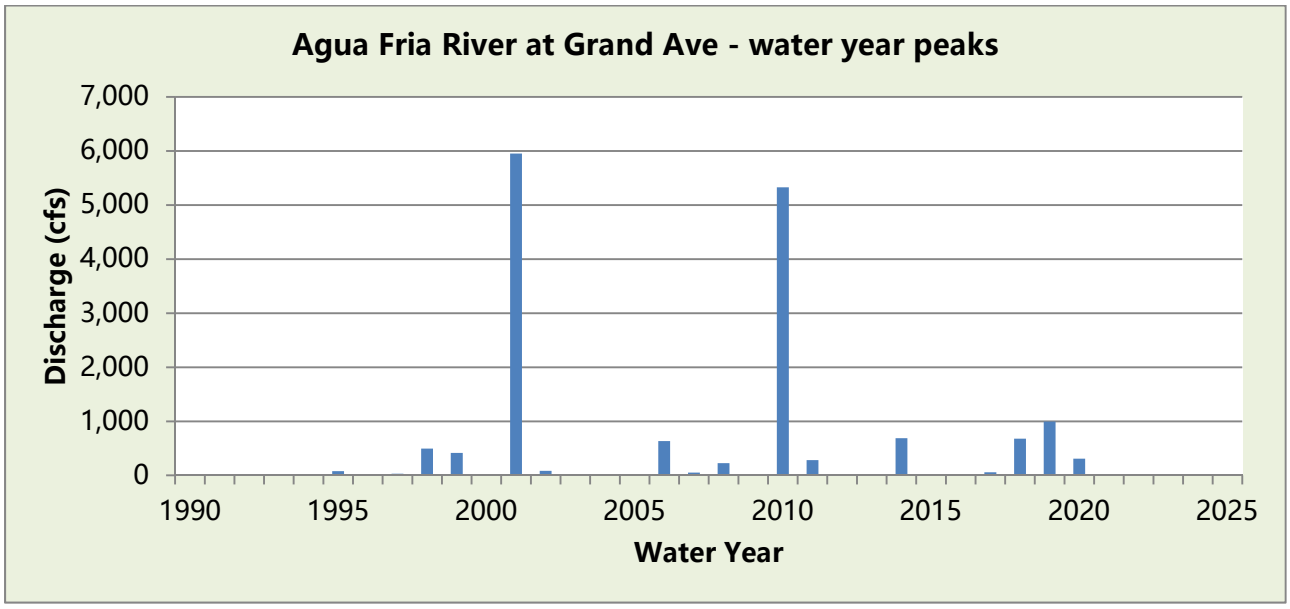


Site Data

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	26.43 Years | 9,654 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

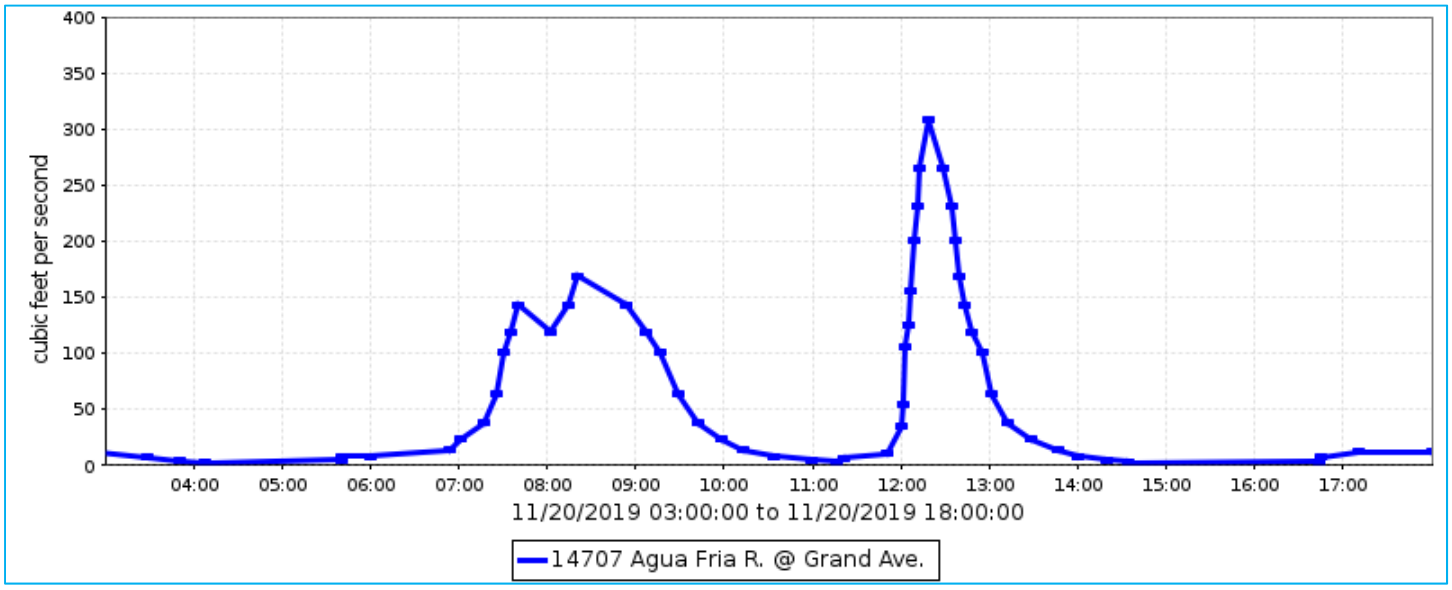




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	3.69	168
11/20/2019	4.11	308
11/29/2019	3.35	87
02/11/2020	3.07	23
02/22/2020	3.33	79
03/12/2020	4.03	277
03/13/2020	3.94	243
03/13/2020	3.96	251
03/18/2020	3.43	109
03/19/2020	3.33	79

Hydrograph of peak WY 2020 flow event, 11/20/2019



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 2019 to September 2020

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			1									
9												
10						1						
11					3	6						
12						11						
13						92						
14						7						
15												
16												
17												
18						12						
19						15						
20		27										
21		2		1								
22					8							
23												
24			2									
25			1									
26												
27			1									
28												
29		8										
30					---							
31		---			---		---		---			---
TOTAL	0	38	6	1	12	145	0	0	0	0	0	0
MEAN	0	1	0	0	0	5	0	0	0	0	0	0
MAX	0	308	12	6	79	277	0	0	0	0	2	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	74	11	1	24	287	0	0	0	0	0	0

WTR YR 2020 TOTAL 201 MEAN 1 MAX 308 MIN 0 AC_FT 398

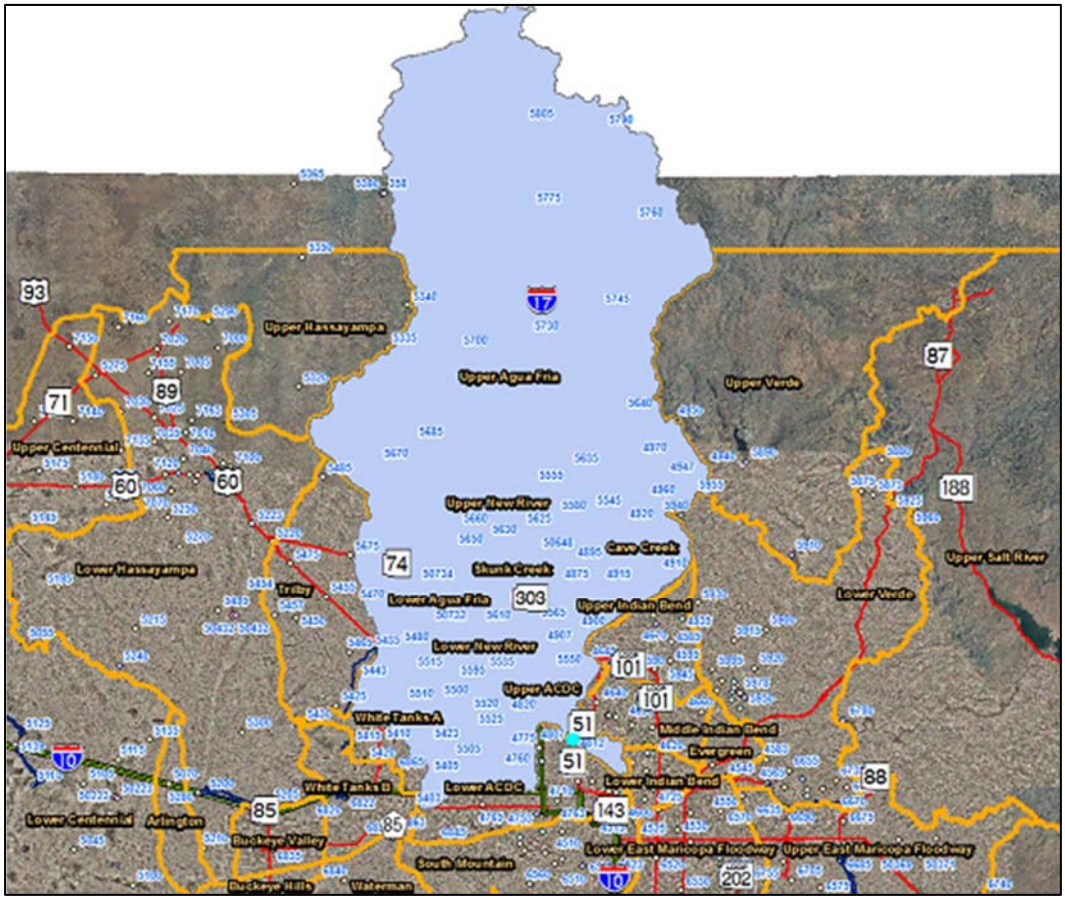
Agua Fria River at Buckeye Road, ID #85307

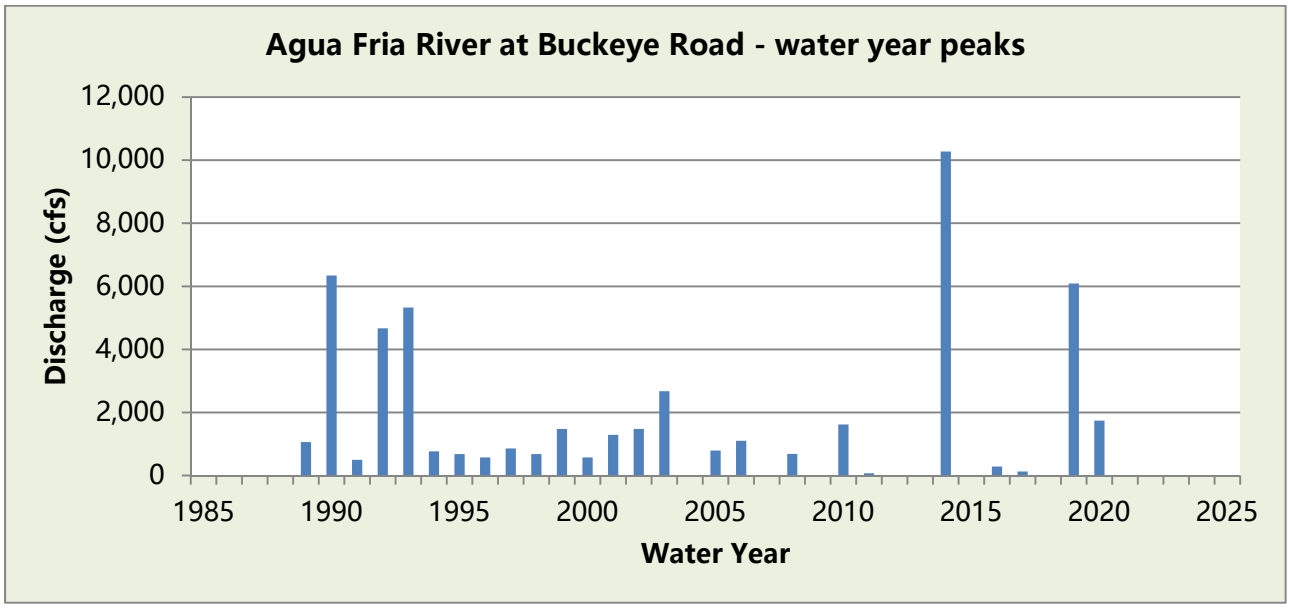


Site Data

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	31.97 Years | 11,677 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

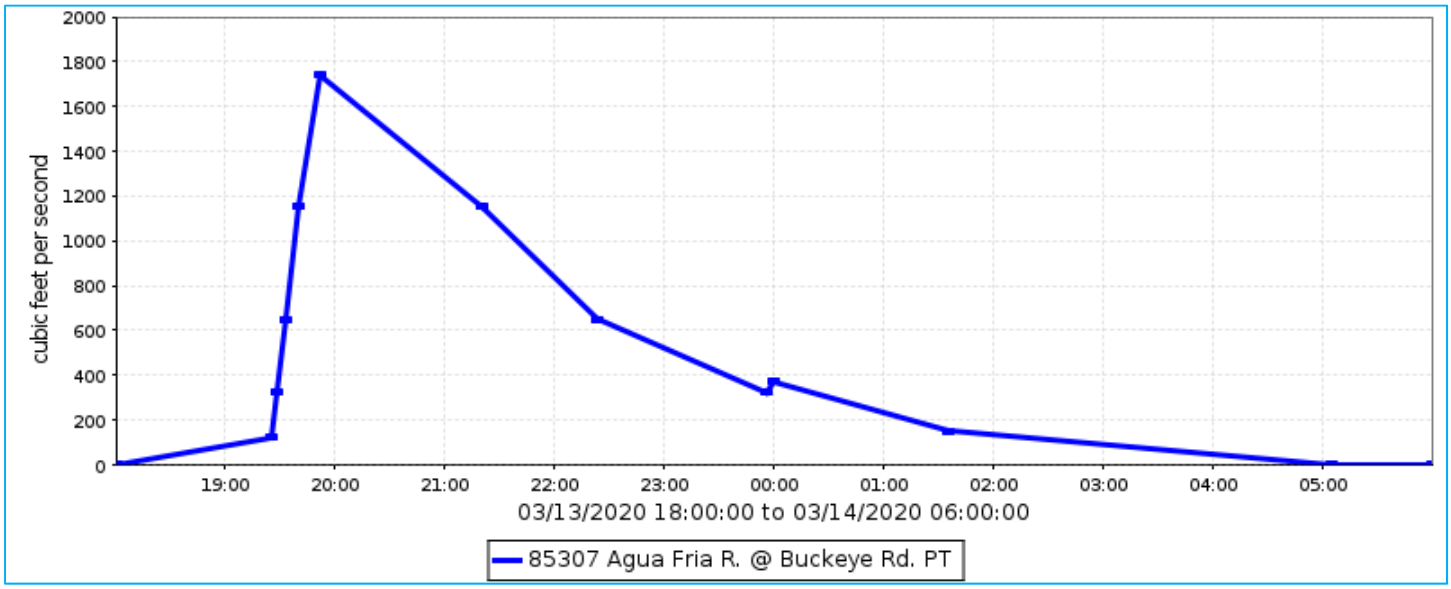




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	0.48	373
11/22/2019	0.48	373
11/29/2019	0.56	649
11/30/2019	0.56	649
02/22/2020	0.36	124
03/13/2020	0.48	373
03/13/2020	0.76	1,739

Hydrograph of peak WY 2020 flow event, 03/13/2020



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			462									
2			46									
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13						272						
14						47						
15												
16												
17												
18												
19												
20		96										
21		129										
22		247			9							
23		6										
24												
25												
26				---								
27												
28												
29		144										
30		404			---							
31		---			---		---		---			---
TOTAL	0	1027	508	0	9	319	0	0	0	0	0	0
MEAN	0	34	16	0	0	10	0	0	0	0	0	0
MAX	0	649	151	0	124	1739	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	2037	1007	0	19	632	0	0	0	0	0	0

WTR YR 2020 TOTAL 1863 MEAN 5 MAX 1739 MIN 0 AC_FT 3695

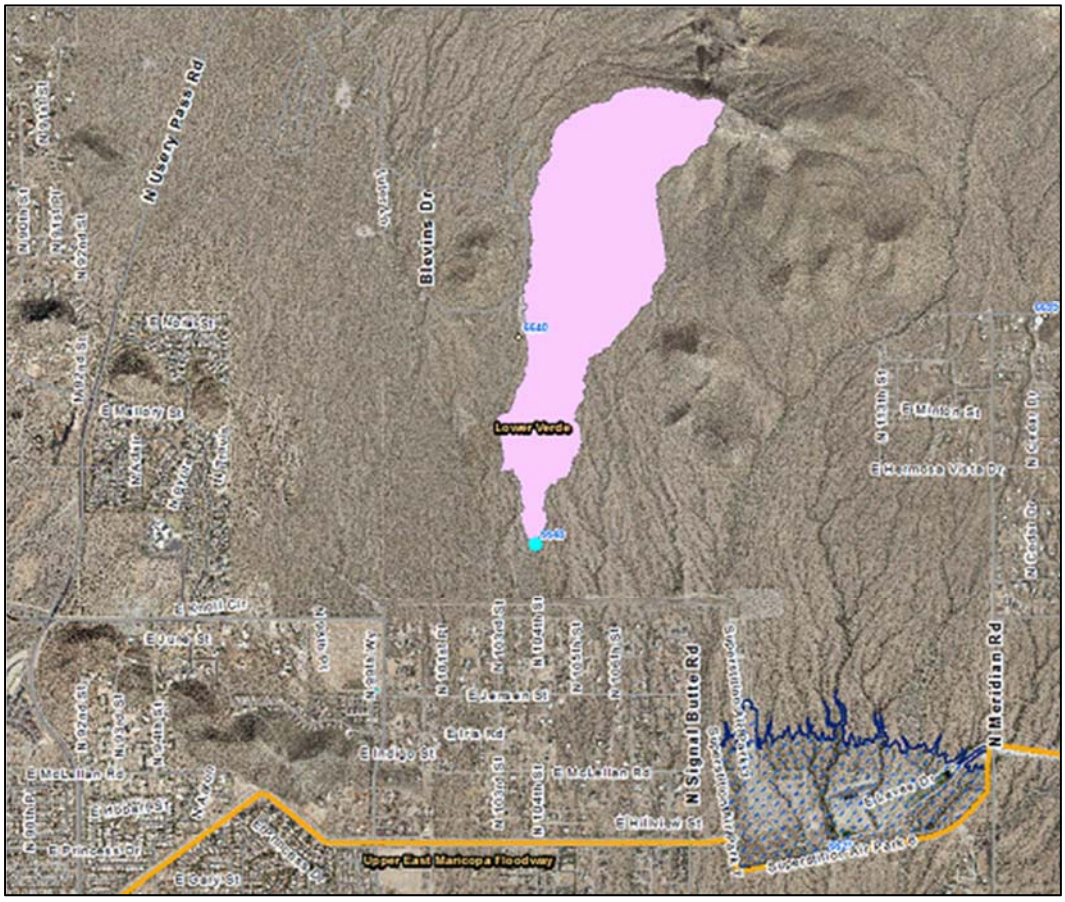
Amigos Wash, ID #80507

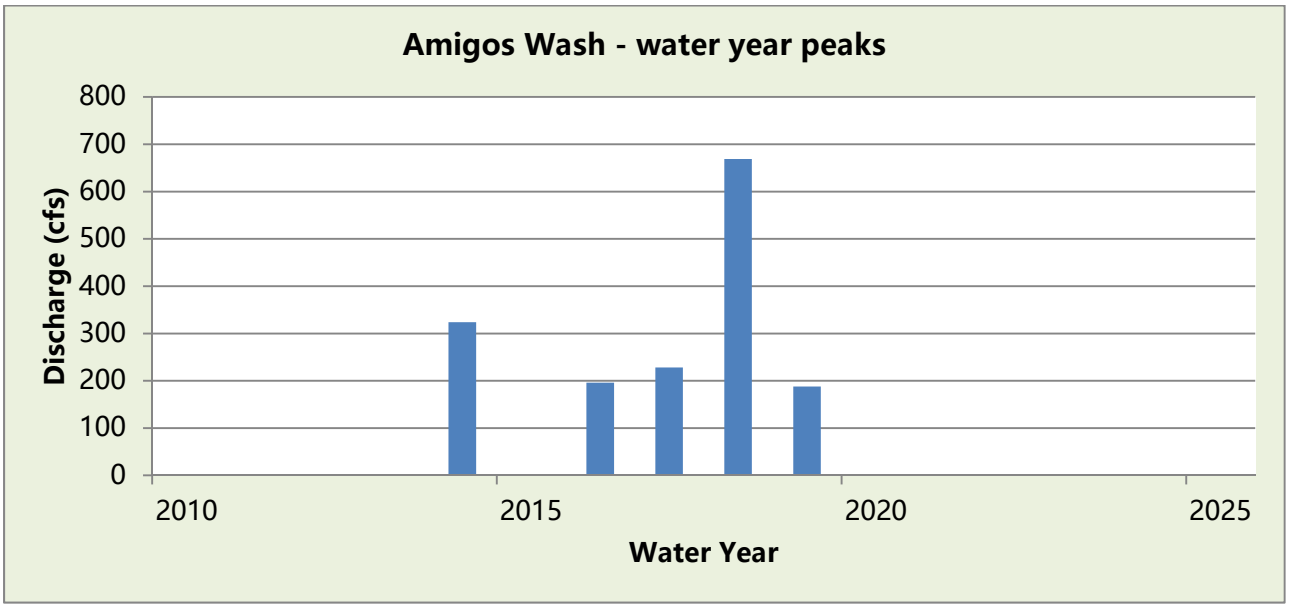


Site Data

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	7.73 Years | 2,822 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded during Water Year 2020.

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 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

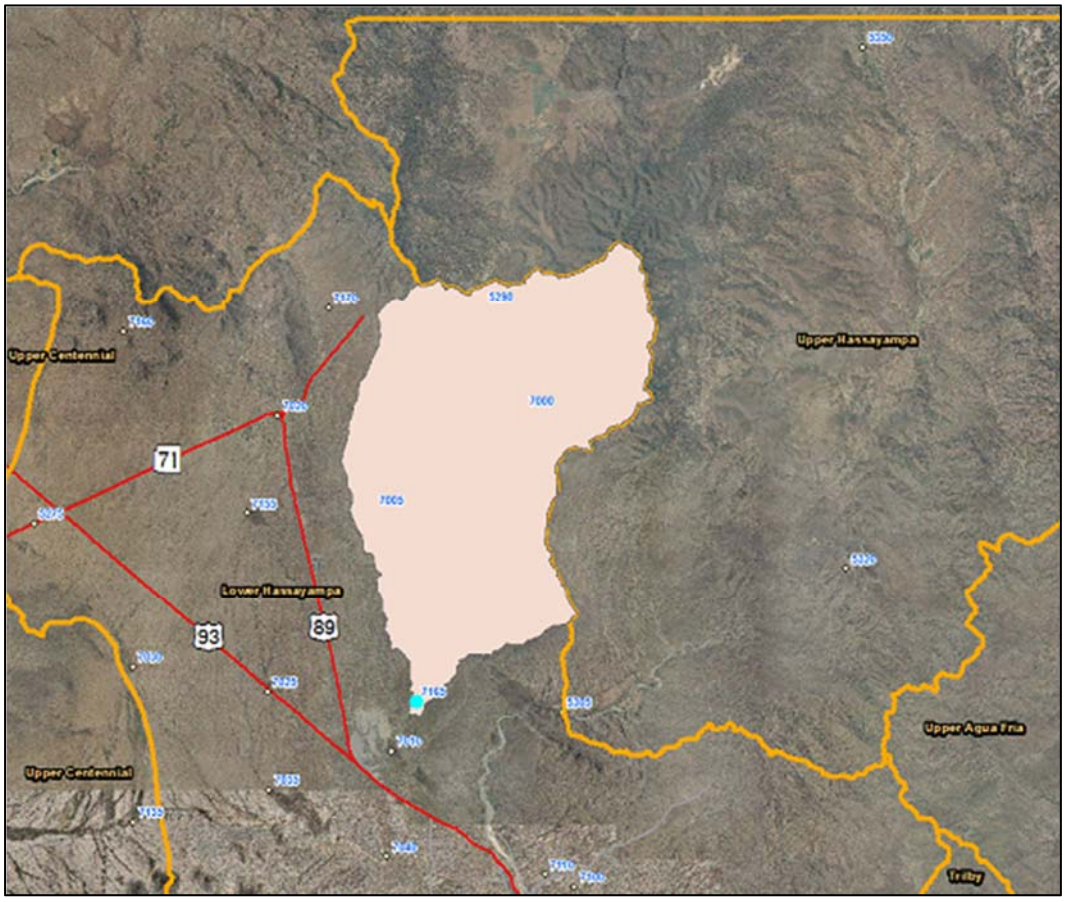
Antelope Creek, ID #55207

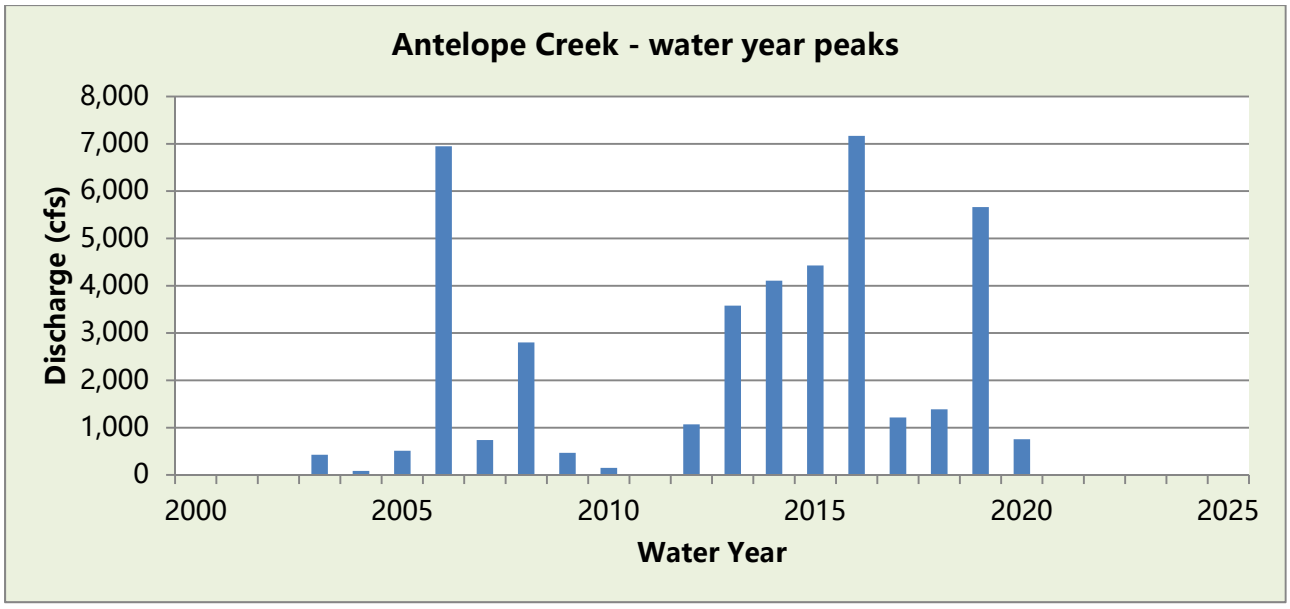


Site Data

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	17.23 Years | 6,294 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

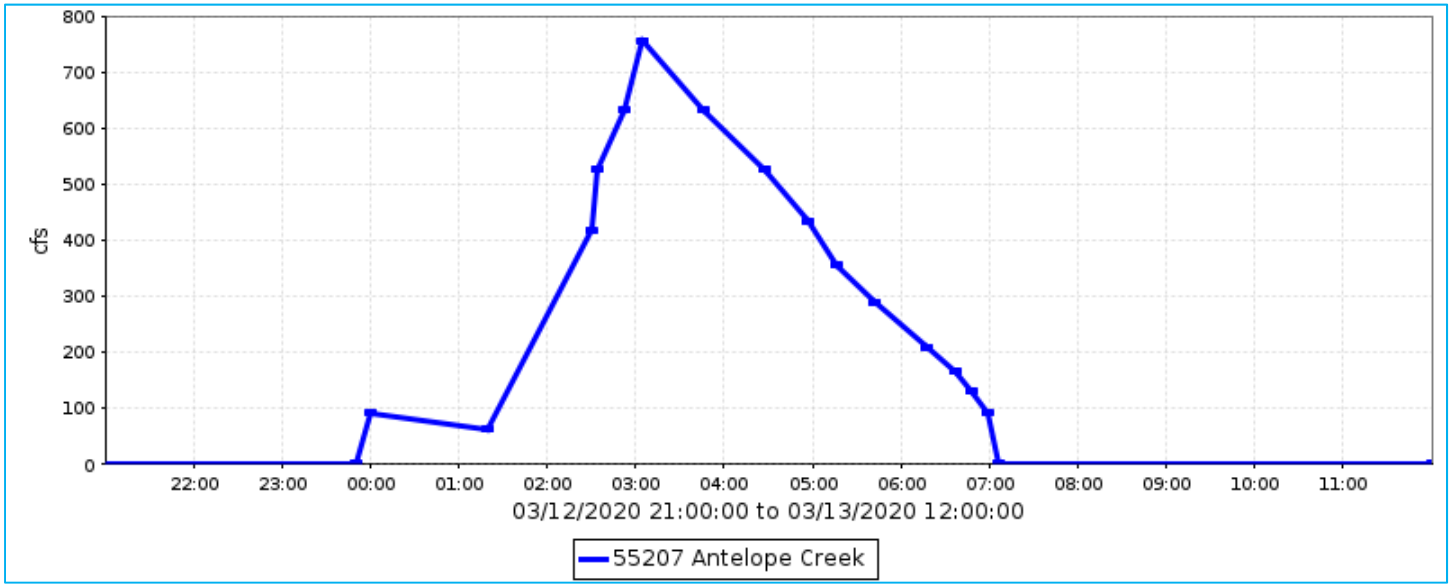




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	2.24	122
11/20/2019	2.21	109
11/21/2019	2.26	129
03/13/2020	3.11	756
03/14/2020	2.56	259
03/19/2020	2.59	277

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
1,280	**3,750**	**6,230**	**9,200**	**13,900**	**17,900**

NOTE: These results are based on very limited data.

Antelope Creek, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						97						
14						35						
15												
16												
17												
18												
19						108						
20		11										
21		7										
22												
23												
24												
25		---										
26		---										
27		---										
28		---										
29		---										
30		---			---							
31		---			---		---		---			---
TOTAL	0	17	0	0	0	241	0	0	0	0	0	0
MEAN	0	1	0	0	0	8	0	0	0	0	0	0
MAX	0	129	0	0	0	756	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	35	0	0	0	477	0	0	0	0	0	0

WTR YR 2020 TOTAL 258 MEAN 1 MAX 756 MIN 0 AC_FT 512

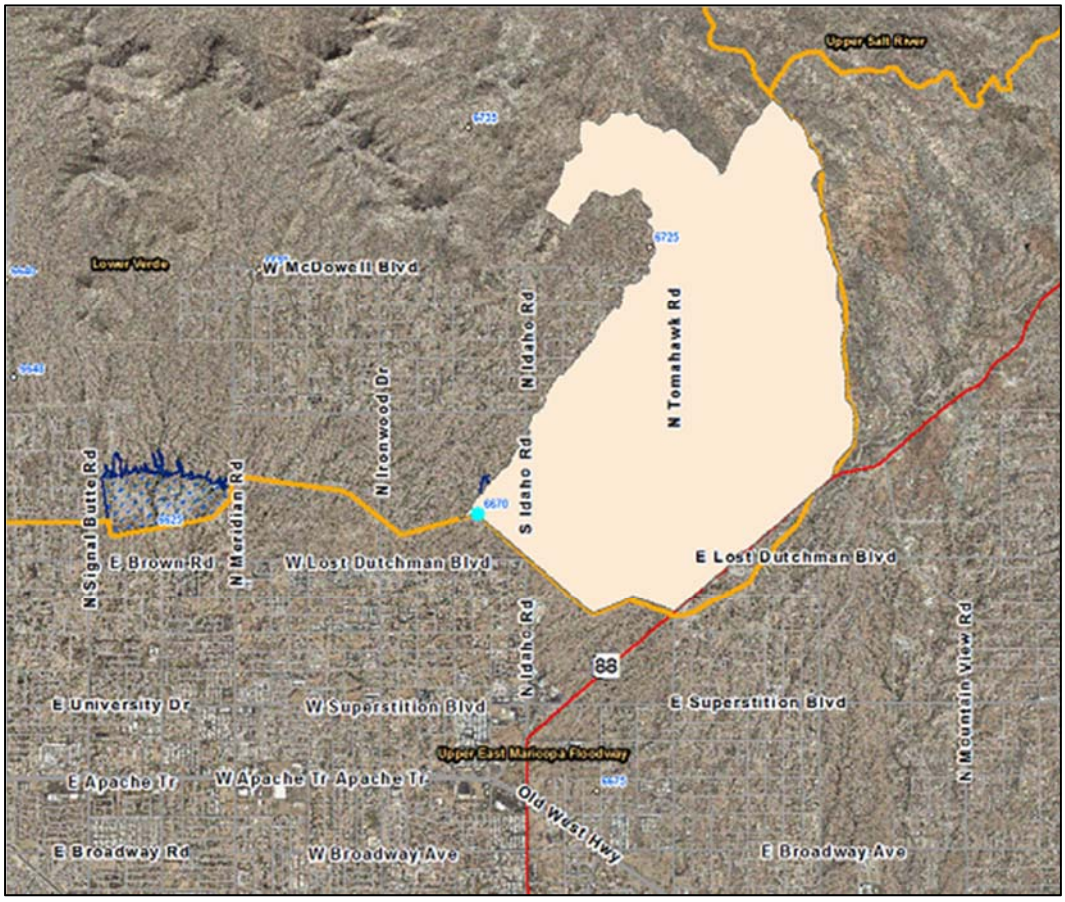
Apache Junction FRS, ID #81307

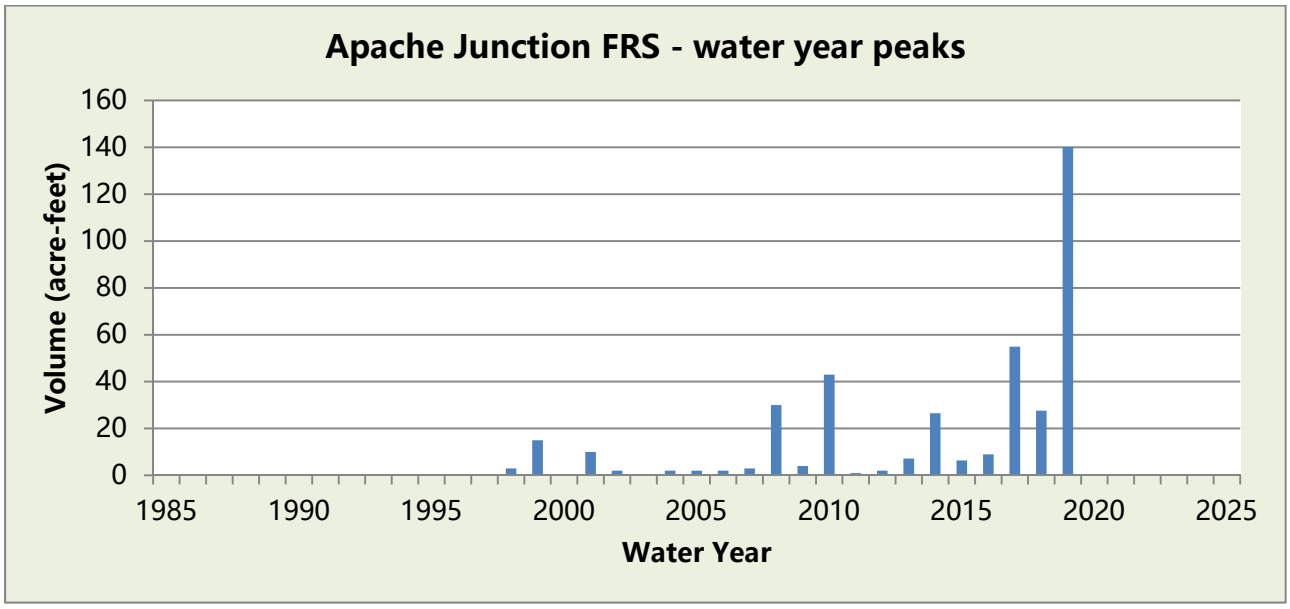


Site Data

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	32.04 Years | 11,704 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

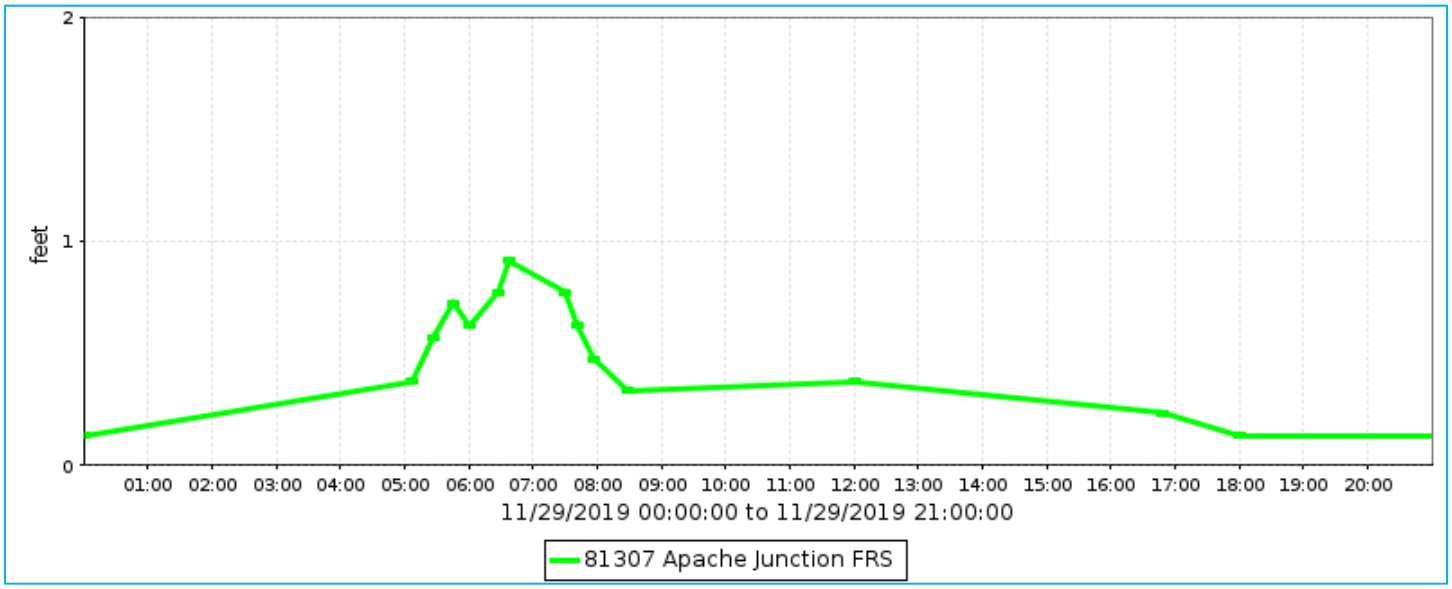




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	0.91	0.1	0.0
12/25/2019	0.67	0.0	0.0

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Apache Junction FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
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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	5	1	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 2020 TOTAL 0 MEAN 0 MAX 5 MIN 0 AC_FT 0

Apache Junction FRS, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
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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 2020 MEAN 0 MAX 0 MIN 0

Apache Junction FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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	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	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.2	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	0.2	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	0.3	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	0.1	0.9	0.7	0.1	0.1	0.1	0.1	0.1	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 2020 MEAN 0.13 MAX 0.91 MIN 0.13

Apache Trail, ID #36507



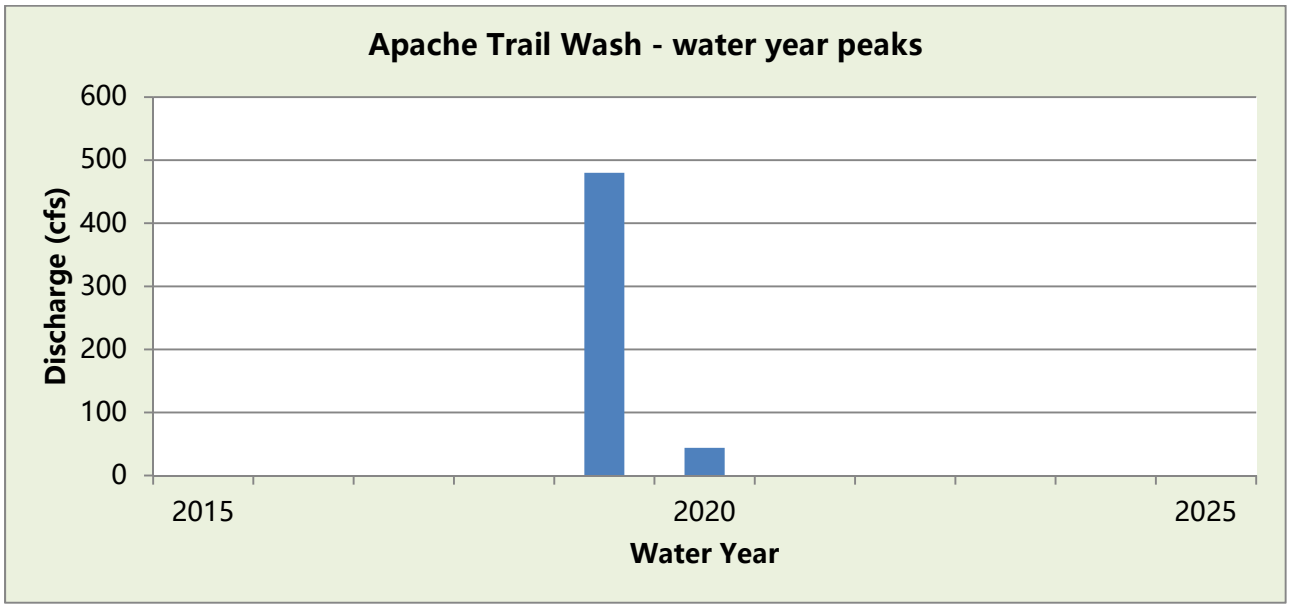
Site Data

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’ 41.8" | +33.41161
LONGITUDE	W 111° 32' 13.0" | -111.53695
STREAMGAGE INSTALLATION DATE	06/27/2019 - WY 2020
AVAILABLE PERIOD OF RECORD (POR)	06/27/2019 – Current
LENGTH OF AVAILABLE POR DATA	1.26 Years | 462 Days
DATA GAPS IN POR	10/17/2019 – 11/04/2019
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,732.24 feet NAVD88
POINT OF ZERO FLOW	0.0 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

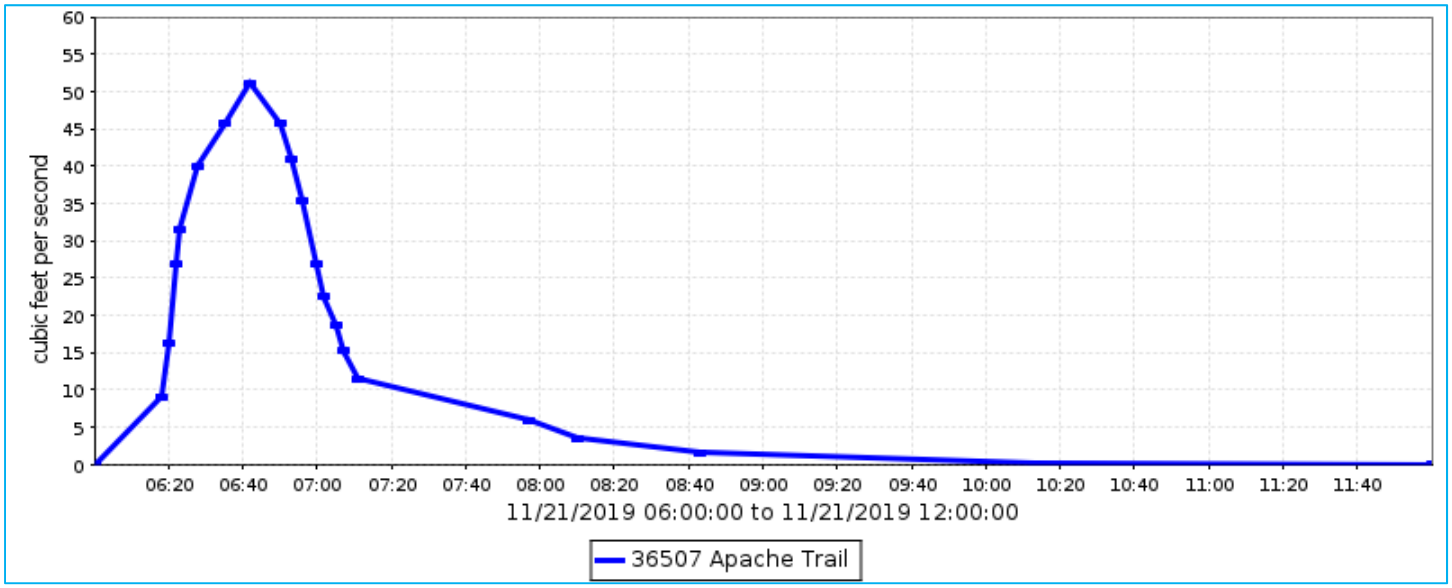




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/19/2019	0.42	9
11/20/2019	0.67	16
11/21/2019	1.41	51
11/29/2019	0.64	15
08/29/2020	1.27	44

Hydrograph of peak WY 2020 flow event, 11/21/2019



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 2019 to September 2020

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	---	2										
21	---	2										
22	---											
23	---											
24	---											
25	---											
26	---											
27	---											
28	---											
29	---	1									1	
30	---				---							
31	---	---			---		---		---			---
TOTAL	0	5	0	0	0	0	0	0	0	0	2	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	51	0	0	0	0	0	0	0	0	44	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	10	0	0	0	0	0	0	0	0	3	0

WTR YR 2020 TOTAL 7 MEAN 0 MAX 51 MIN 0 AC_FT 13

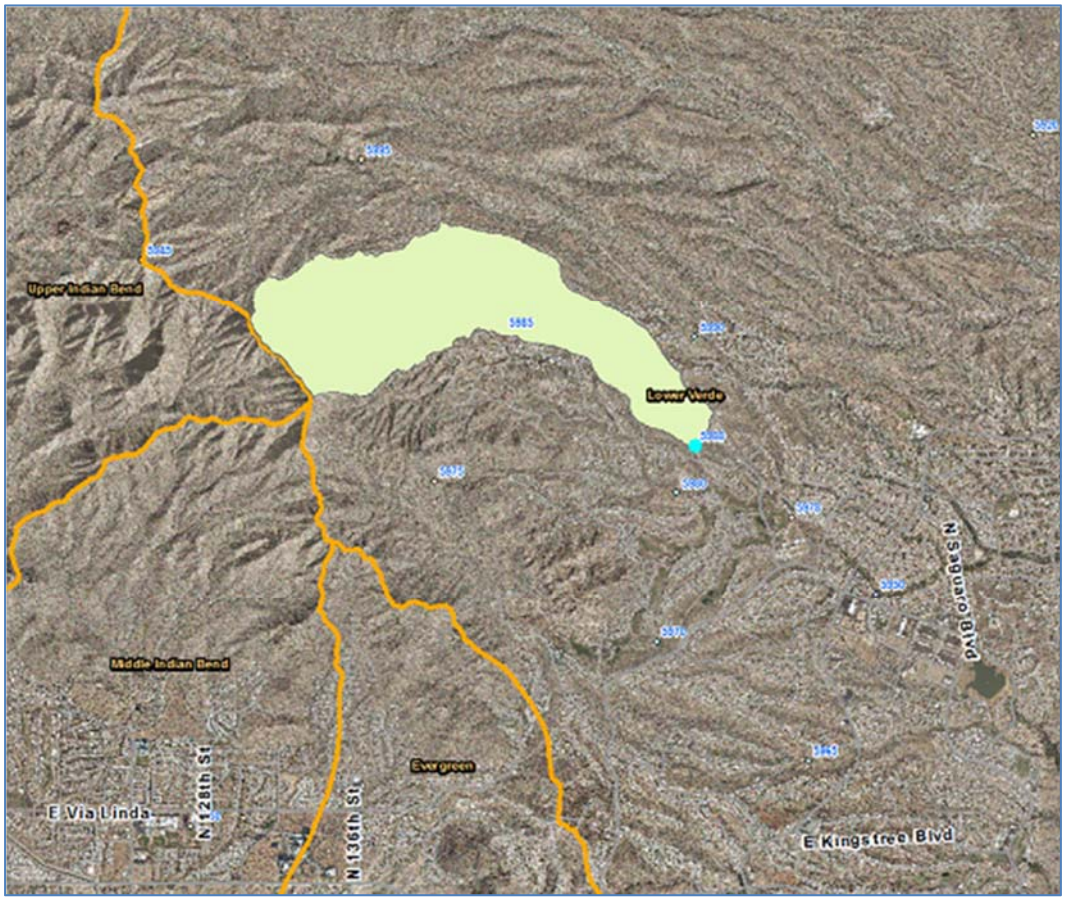
Aspen Dam, ID #78707

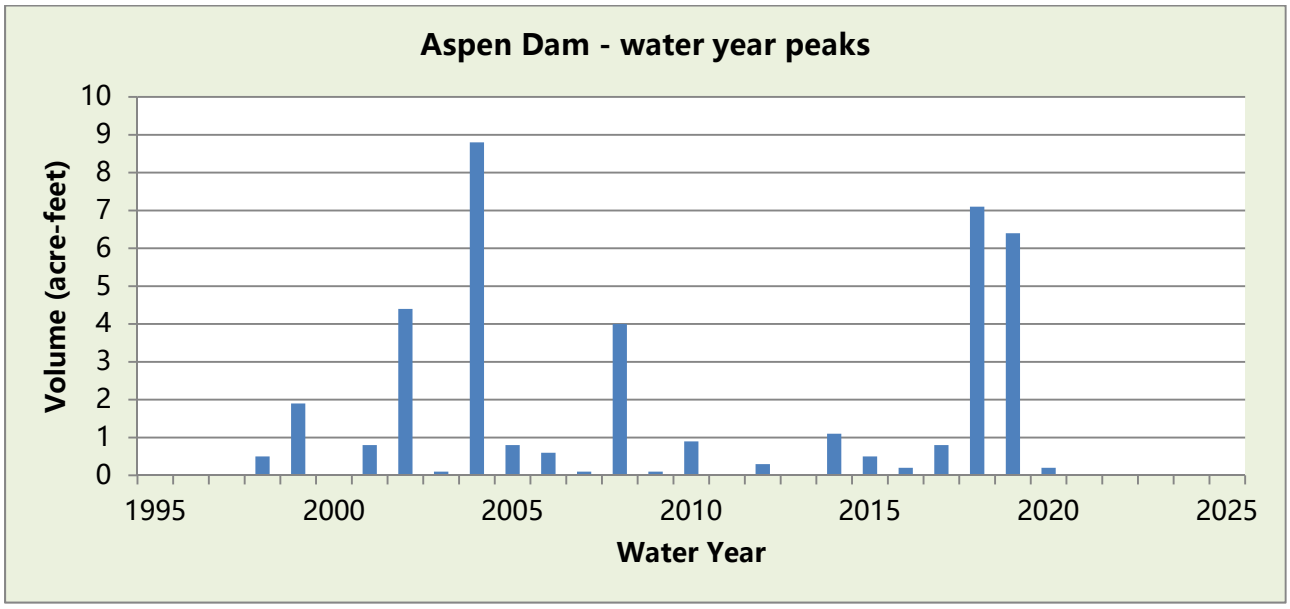


Site Data

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	23.75 Years | 8,673 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

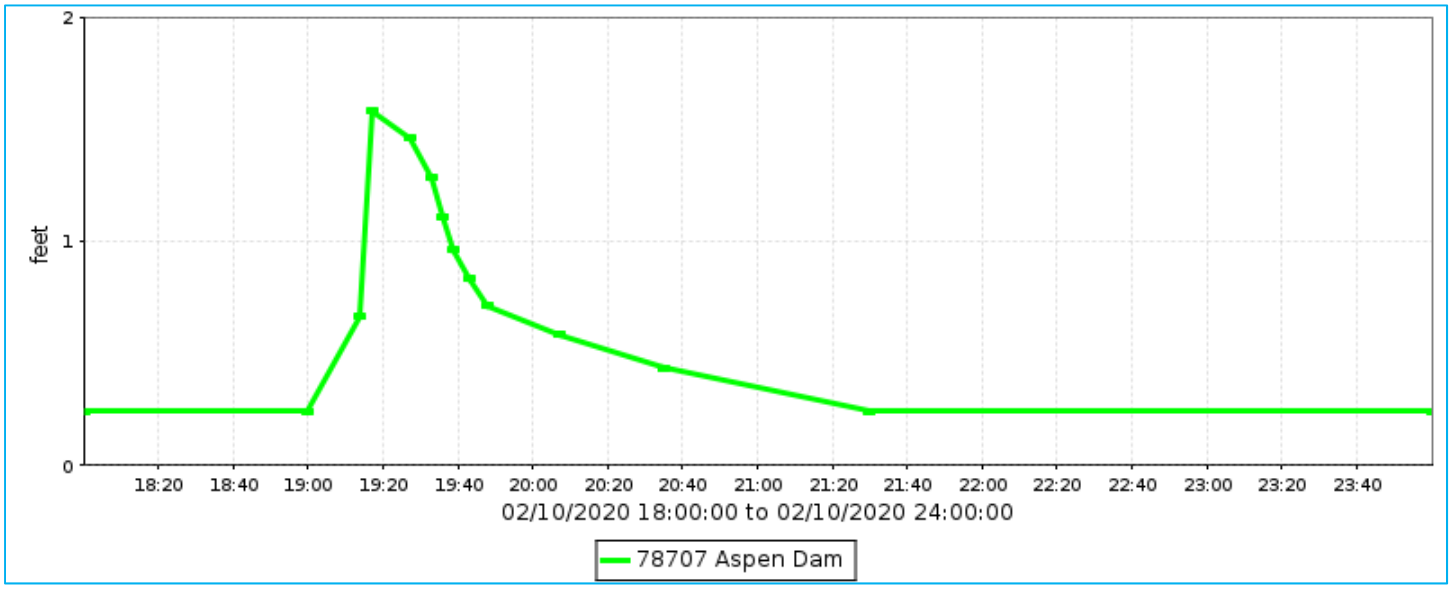




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/09/2019	0.93	0.0	0.0
02/10/2020	1.58	0.2	0.4

Hydrograph of peak WY 2020 impoundment event, 02/10/2020



Aspen Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					3							
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	1	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	12	0	23	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	1	0	2	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 1 MEAN 0 MAX 23 MIN 0 AC_FT 2

Aspen Dam, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

	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 2020 MEAN 0 MAX 0 MIN 0

Aspen Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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
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	0.3	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	0.4	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
13	---	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
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
20	---	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
22	---	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	0.0	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	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	0.9	0.2	1.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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 2020 MEAN 0.24 MAX 1.58 MIN 0.24

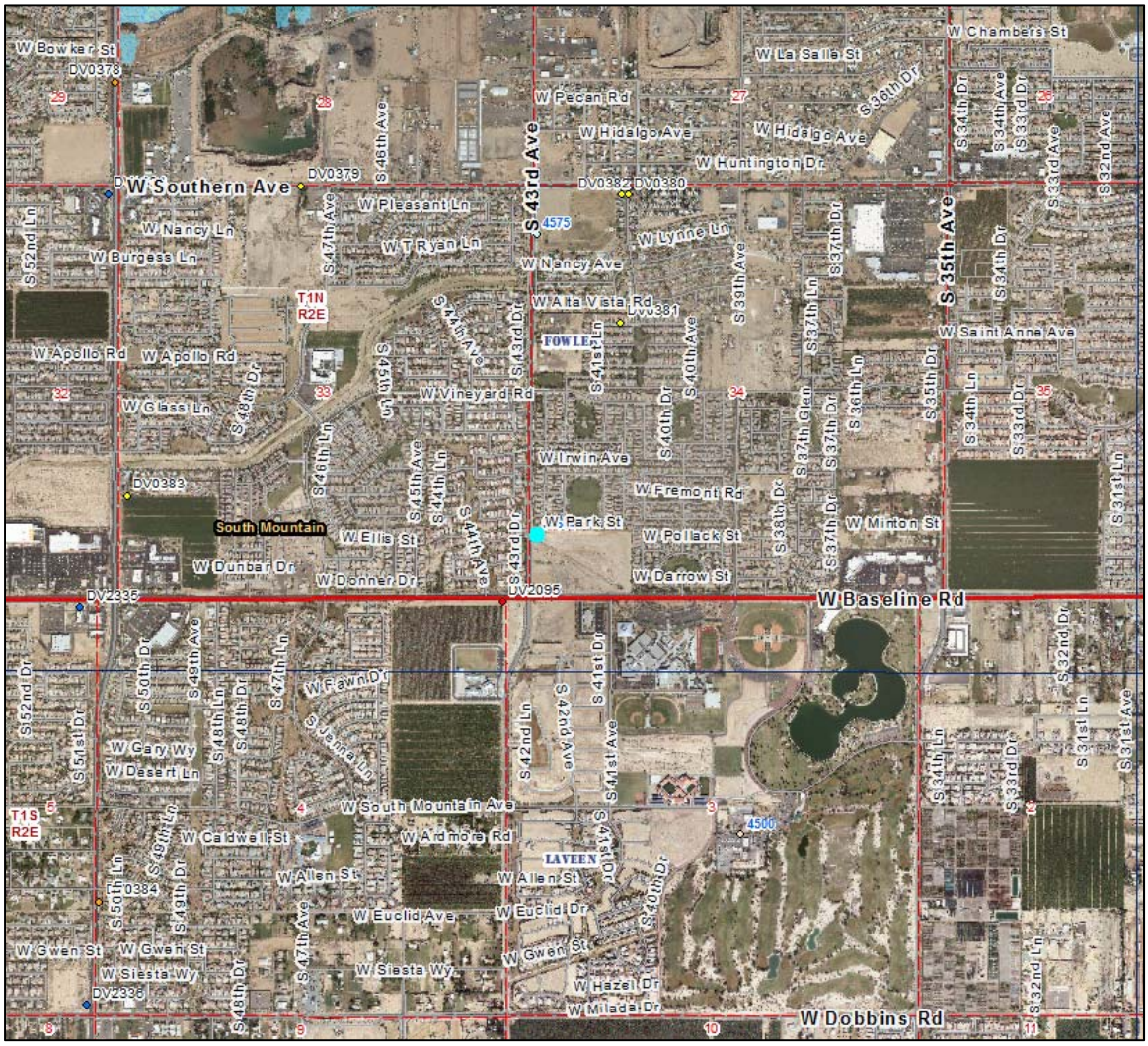
Baseline Road at 43rd Avenue Basin, ID #66407

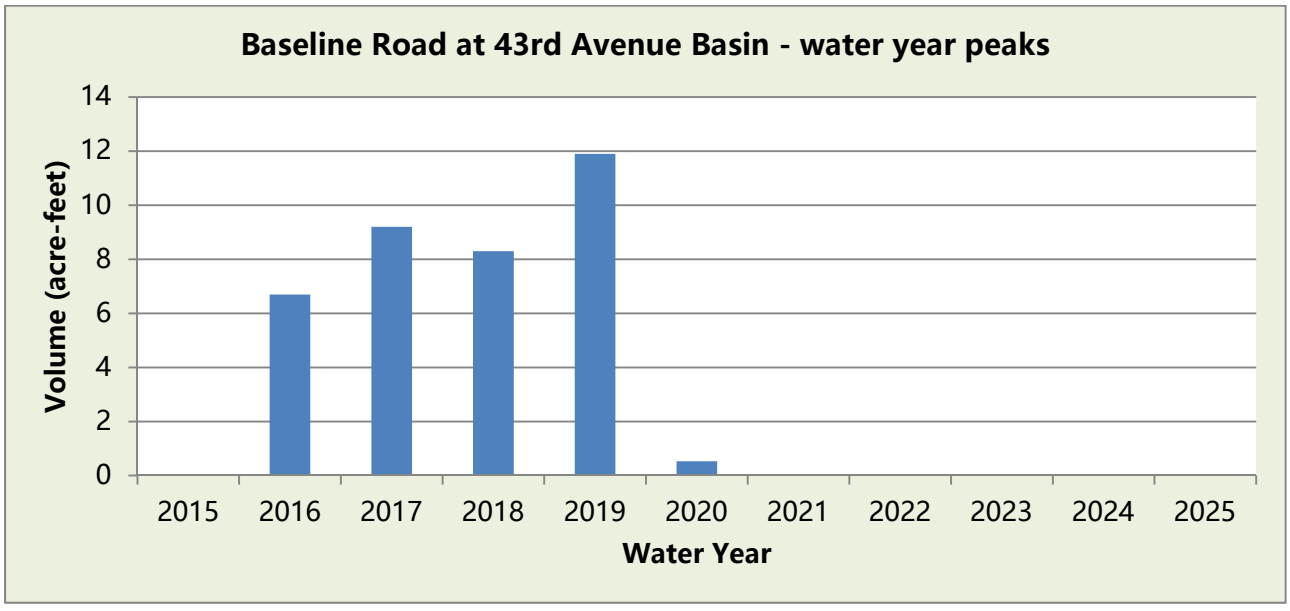


Site Data

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	5.00 Years | 1,827 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

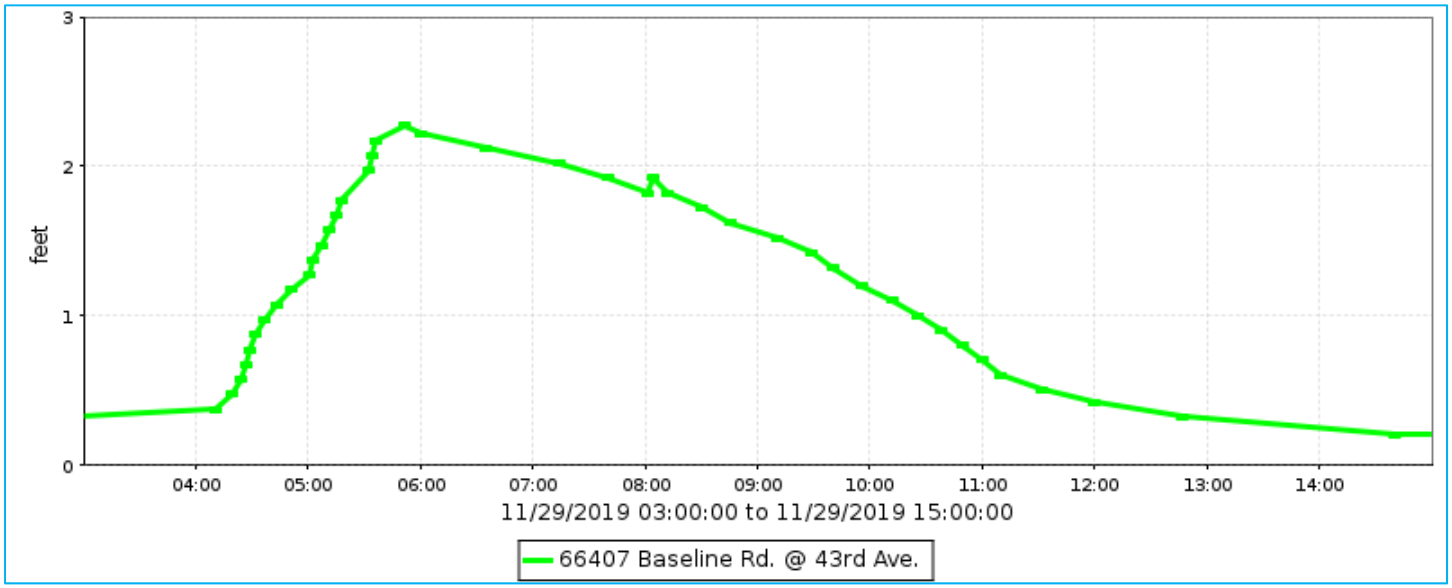




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/19/2019	0.87	0.0	0.0
11/20/2019	1.20	0.0	0.0
11/21/2019	2.17	0.3	0.8
11/29/2019	2.27	0.5	1.3
02/11/2020	0.77	0.0	0.0
02/22/2020	1.75	0.0	0.0
03/11/2020	1.10	0.0	0.0
03/12/2020	0.72	0.0	0.0
03/13/2020	1.55	0.0	0.0
03/18/2020	0.57	0.0	0.0

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Baseline Road at 43rd Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

NOTE: No discharge rating exists for this site.

Baseline Road at 43rd Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
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28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	1	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 2020 MEAN 0 MAX 1 MIN 0

Baseline Road at 43rd Avenue Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.5	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.6	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	0.5	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	0.6	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	2.3	0.2	0.2	1.8	1.6	0.2	0.2	0.2	0.3	0.6	0.2
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 2020 MEAN 0.21 MAX 2.27 MIN 0.20

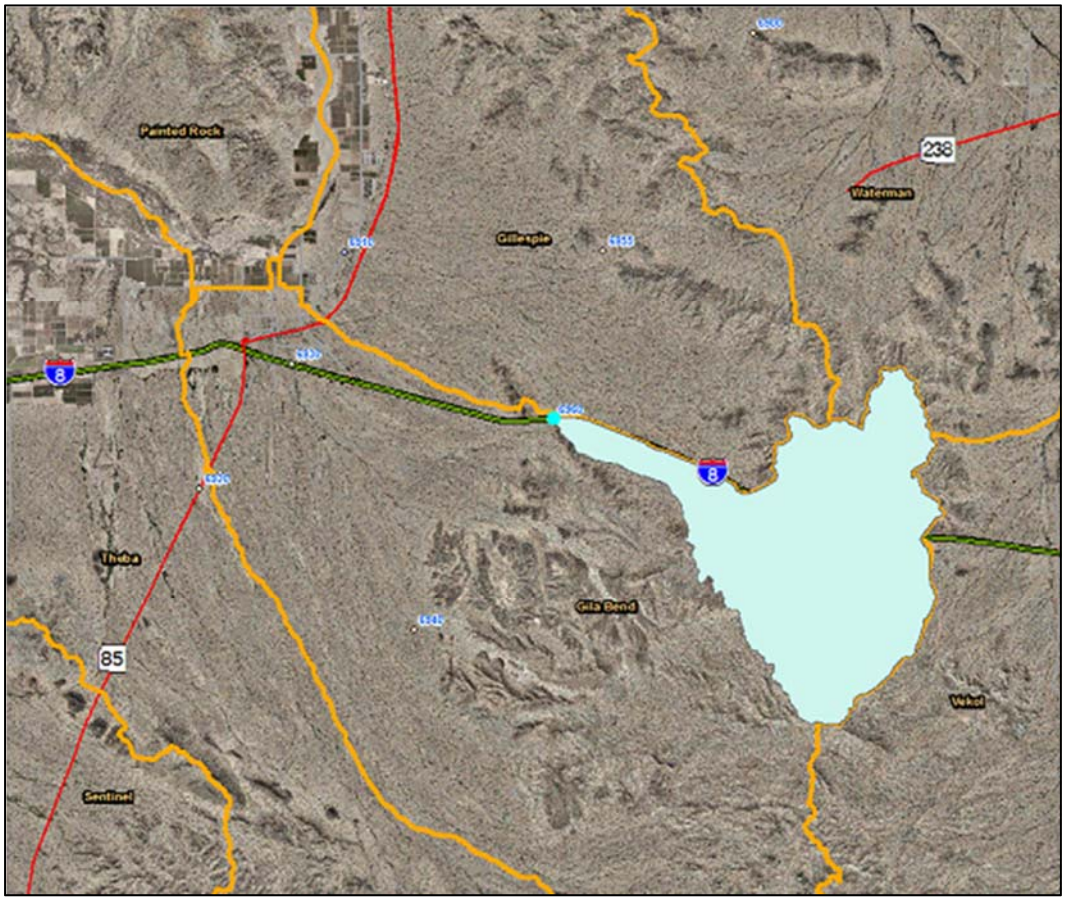
Bender Wash, ID #40507

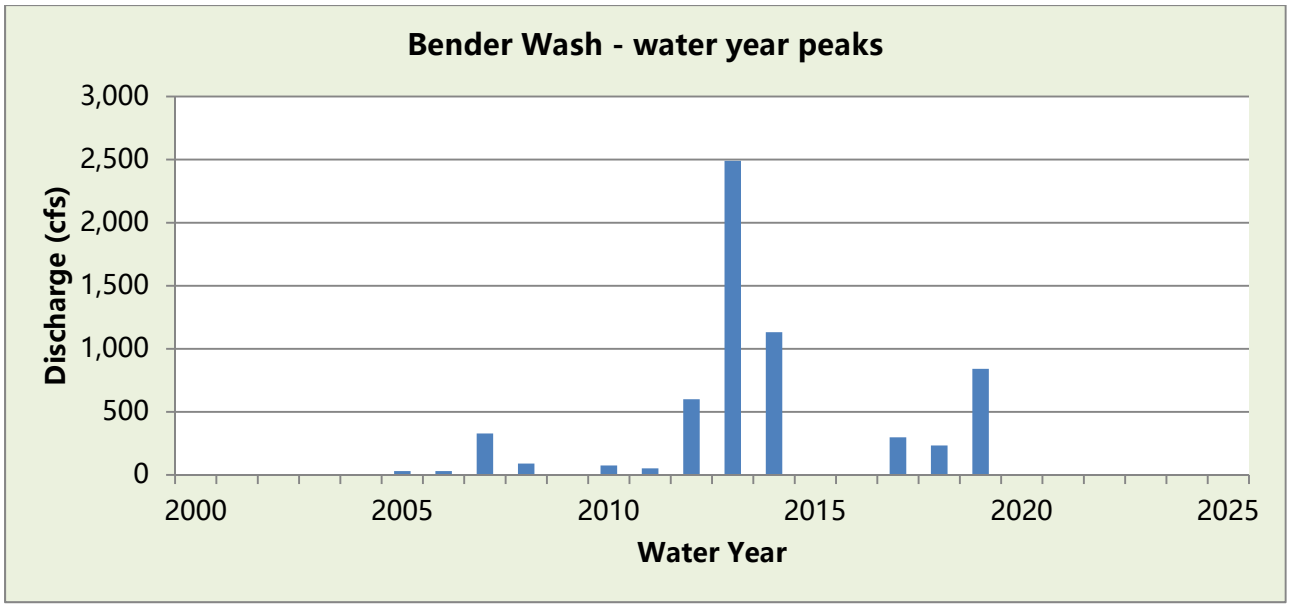


Site Data

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	16.39 Years | 5,986 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

Flood Flow Frequency

Flood Flow Frequency HEC-WRC computation (based on data from 1963 – 1979, 1983, 1991 – 1996, 2004 - 2020)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
64	**477**	**1,250**	**2,660**	**5,960**	**9,940**

NOTE: These results are based on limited data.

Bender Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

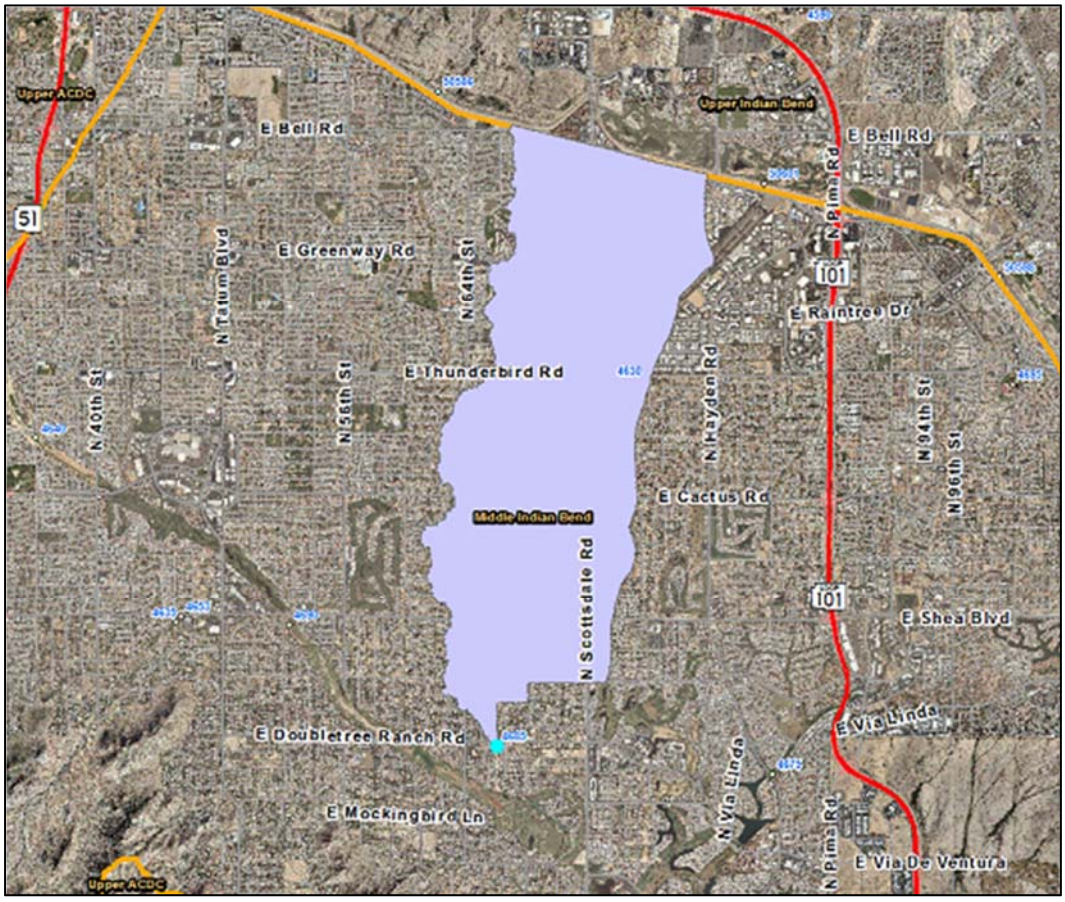
Berneil Wash, ID #59207

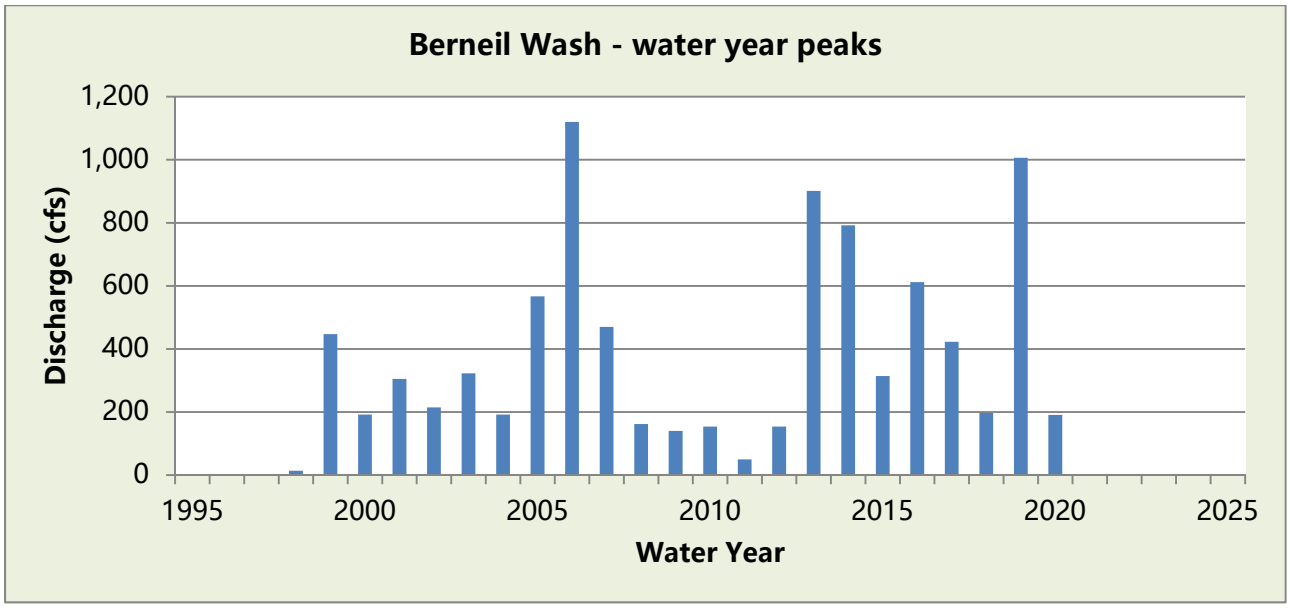


Site Data

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	22.17 Years | 8,099 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

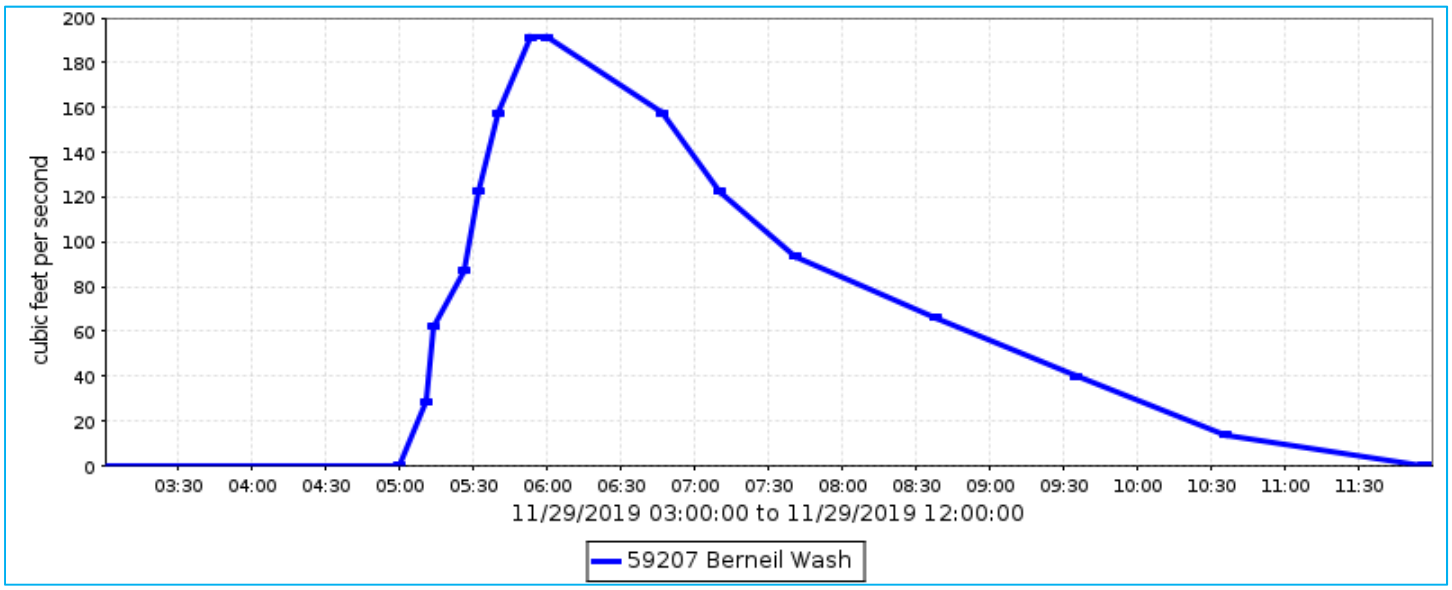




Berniel Wash, WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	0.74	149
11/29/2019	0.89	191
12/24/2019	0.72	144
12/25/2019	0.24	33
12/27/2019	0.27	40
02/11/2020	0.54	98
02/22/2020	0.62	118
03/11/2020	0.52	93
03/12/2020	0.57	105
03/13/2020	0.64	123
03/13/2020	0.57	105
03/18/2020	0.37	62

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
310	**584**	**801**	**1,030**	**1,370**	**1,640**

Berneil Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7					---							
8			1		---							
9					---							
10					4							
11					23	13						
12						7						
13						26						
14												
15												
16												
17												
18						5						
19												
20		14										
21												
22					21							
23												
24			8									
25			2									
26												
27			3									
28												
29		24										
30					---							
31		---			---		---		---			---
TOTAL	0	38	13	0	46	51	0	0	0	0	0	0
MEAN	0	1	0	0	2	2	0	0	0	0	0	0
MAX	0	191	144	0	118	123	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	76	27	0	91	102	0	0	0	0	0	0

WTR YR 2020 TOTAL 149 MEAN 0 MAX 191 MIN 0 AC_FT 295

Blue Tank Wash, ID #52707

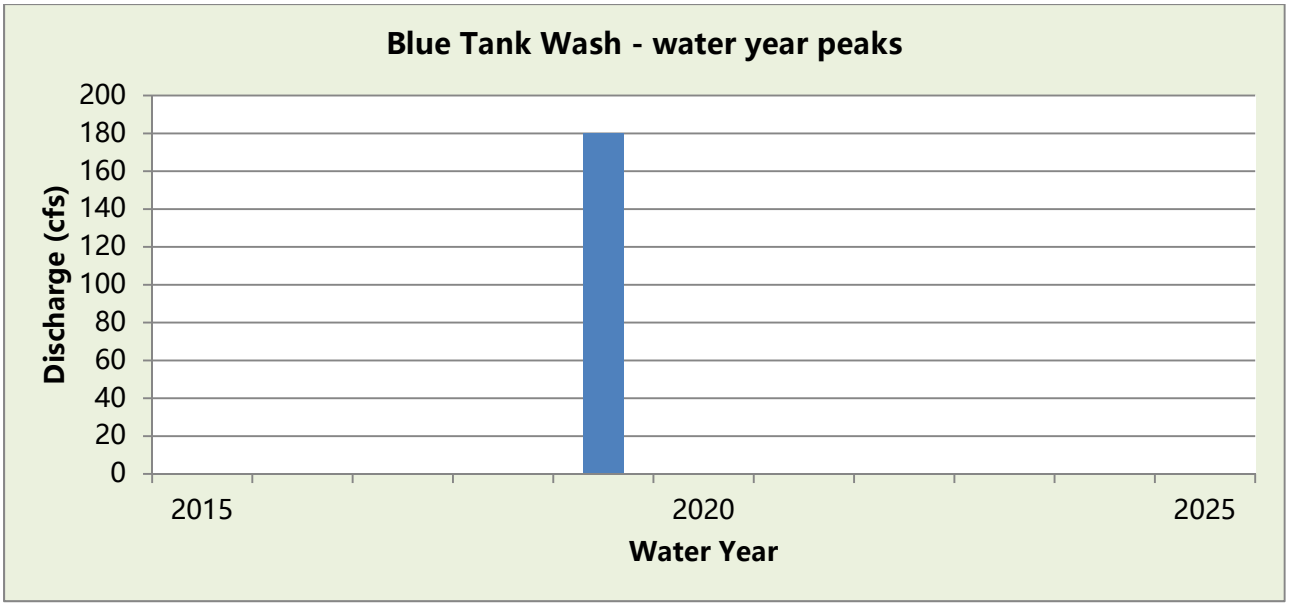


Site Data

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 2020
AVAILABLE PERIOD OF RECORD (POR)	05/29/2019 – Current
LENGTH OF AVAILABLE POR DATA	1.34 Years | 491 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020

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 2019 to September 2020

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							51					
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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

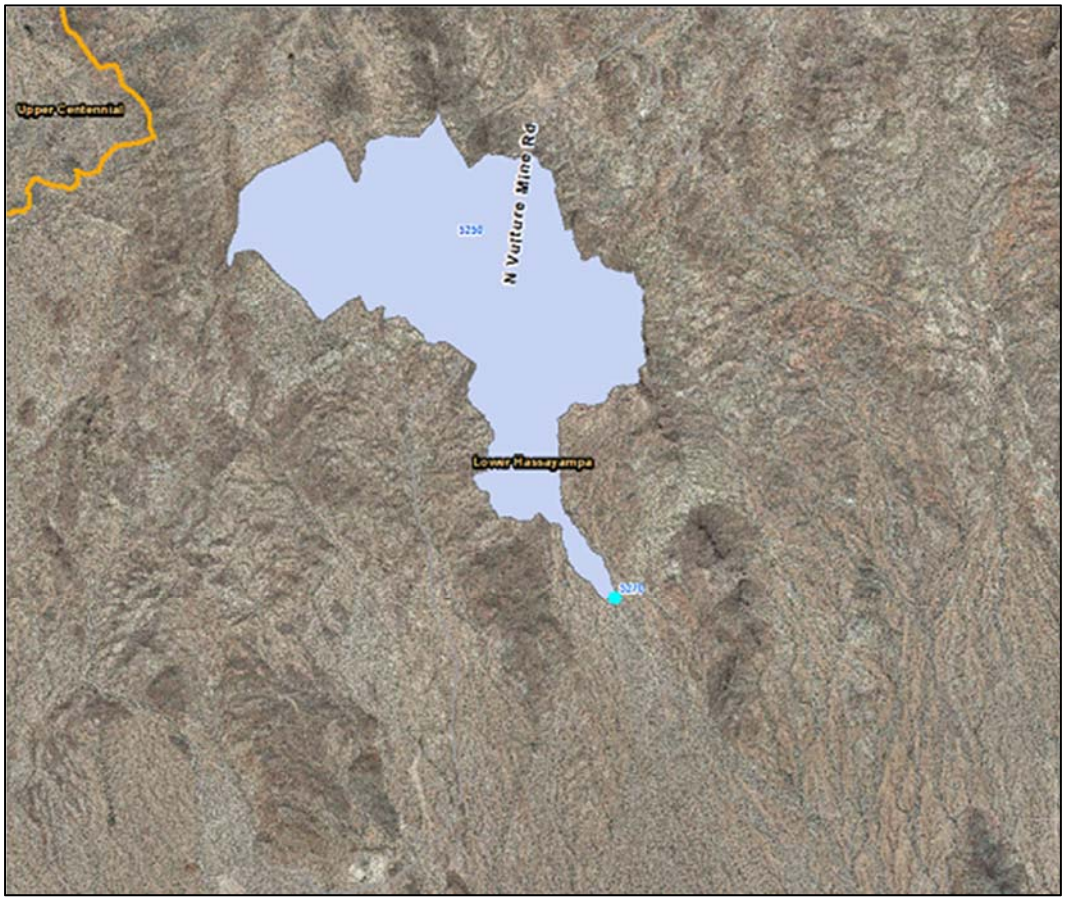
Box Wash, ID #47507

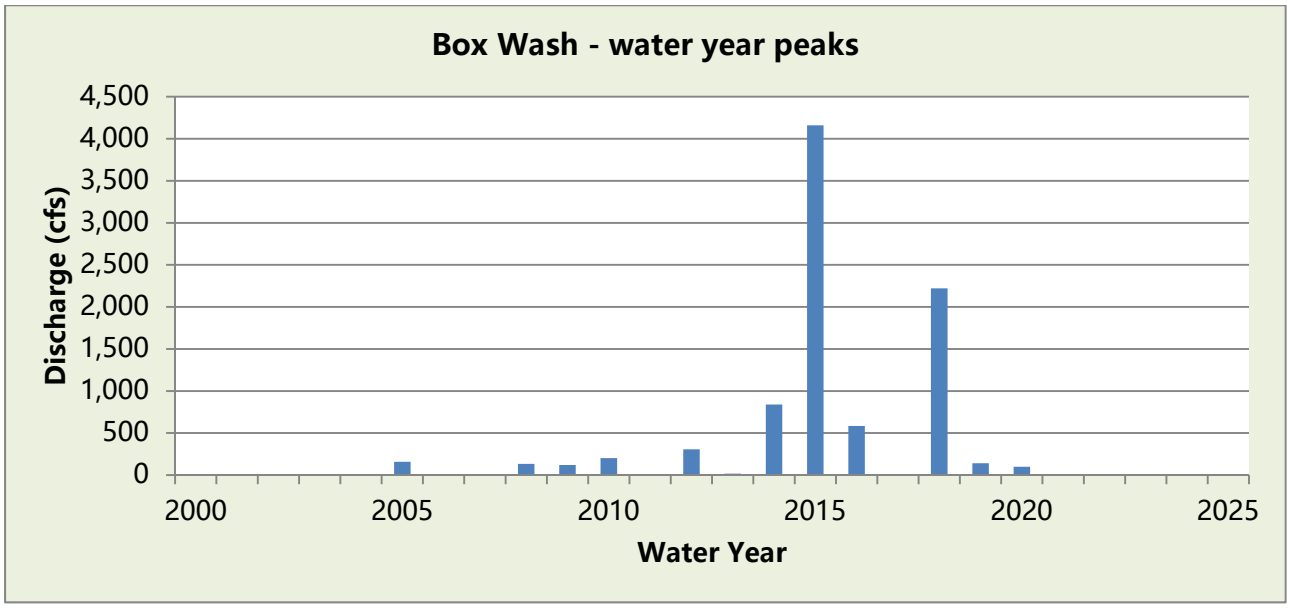


Site Data

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	17.56 Years | 6,414 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	2,256.15 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

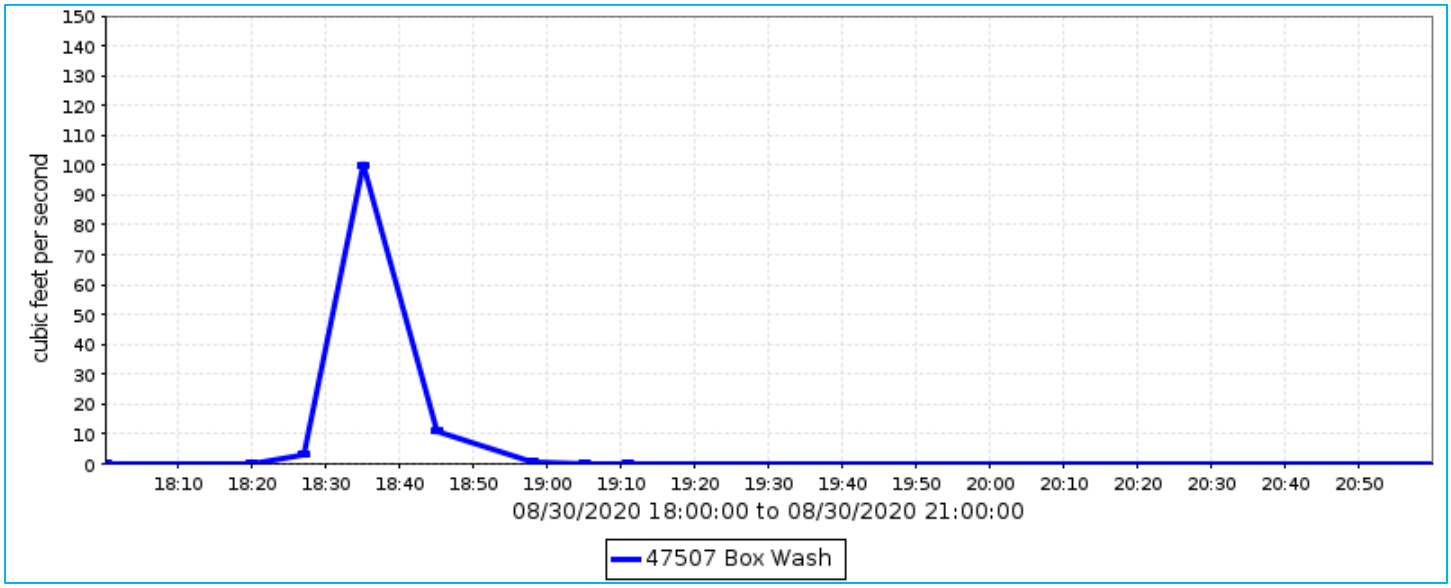




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/30/2020	0.65	100

Hydrograph of peak WY 2020 flow event, 08/30/2020



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**
75	**615**	**1,520**	**2,900**	**5,490**	**7,970**

NOTE: These results are based on very limited data.

Box Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		1										
30					---						1	
31		---			---		---		---			---
TOTAL	0	1	0	0	0	0	0	0	0	0	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	81	0	0	0	0	0	0	0	0	100	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	3	0	0	0	0	0	0	0	0	2	0

WTR YR 2020 TOTAL 2 MEAN 0 MAX 100 MIN 0 AC_FT 5

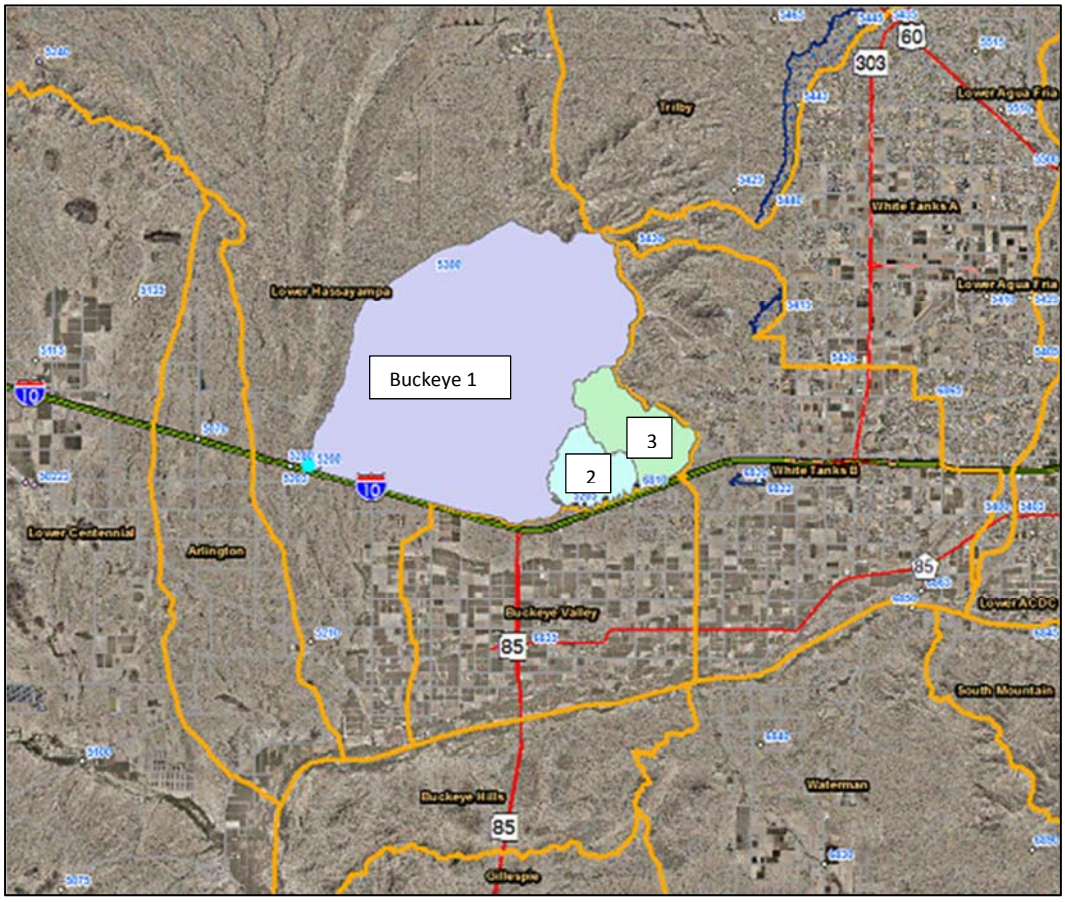
Buckeye FRS #1, ID #44007

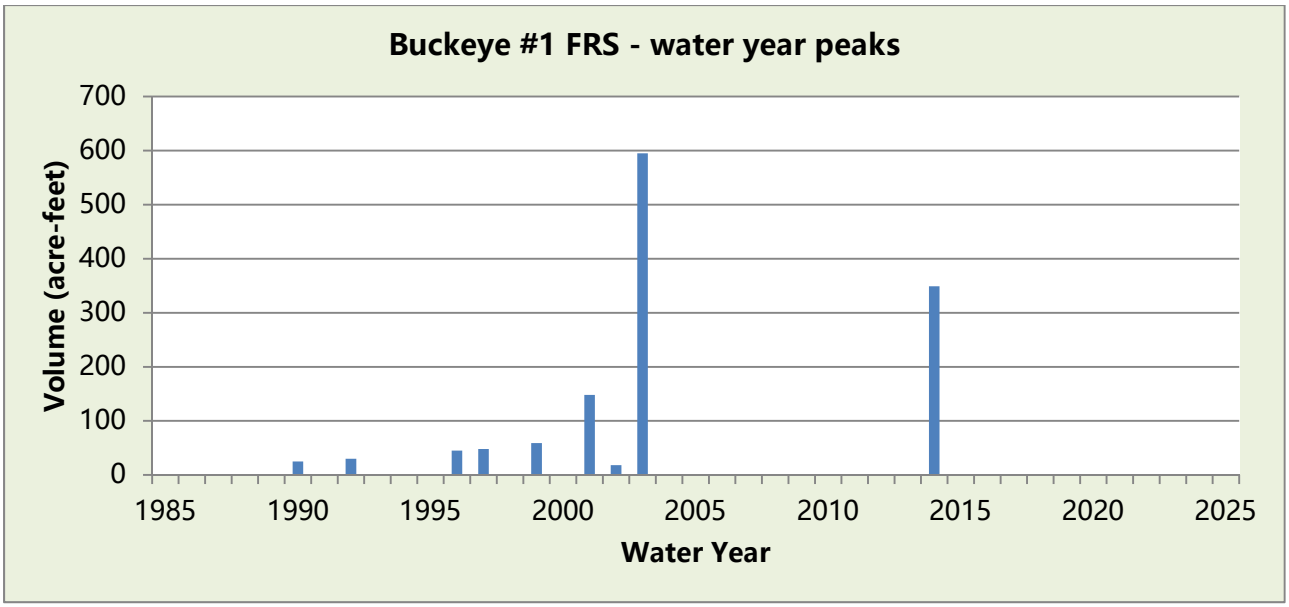


Site Data

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	32.86 Years | 12,001 Days
DATA GAPS IN POR	01/21/2010 - 03/01/2010
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	6
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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event

There was no impoundment recorded in Water Year 2020.

Buckeye FRS #1, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4								---				
5								---				
6			---									
7			---									
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Buckeye FRS #1, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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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 2020 MEAN 0 MAX 0 MIN 0

Buckeye FRS #1, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.2	0.2	0.2	0.2
2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	---	0.2	0.2	0.2	0.2
5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	---	0.2	0.2	0.2	0.2
6	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
7	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
8	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
9	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
11	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
12	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
13	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
14	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
16	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
18	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
19	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
21	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
22	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
23	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
26	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
27	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
28	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
29	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
30	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.2	0.2	0.2	0.2
31	0.5	---	0.5	0.5	---	0.5	---	0.5	---	0.2	0.2	---
MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
MAX	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
MIN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2

WTR YR 2020 MEAN 0.39 MAX 0.49 MIN 0.20

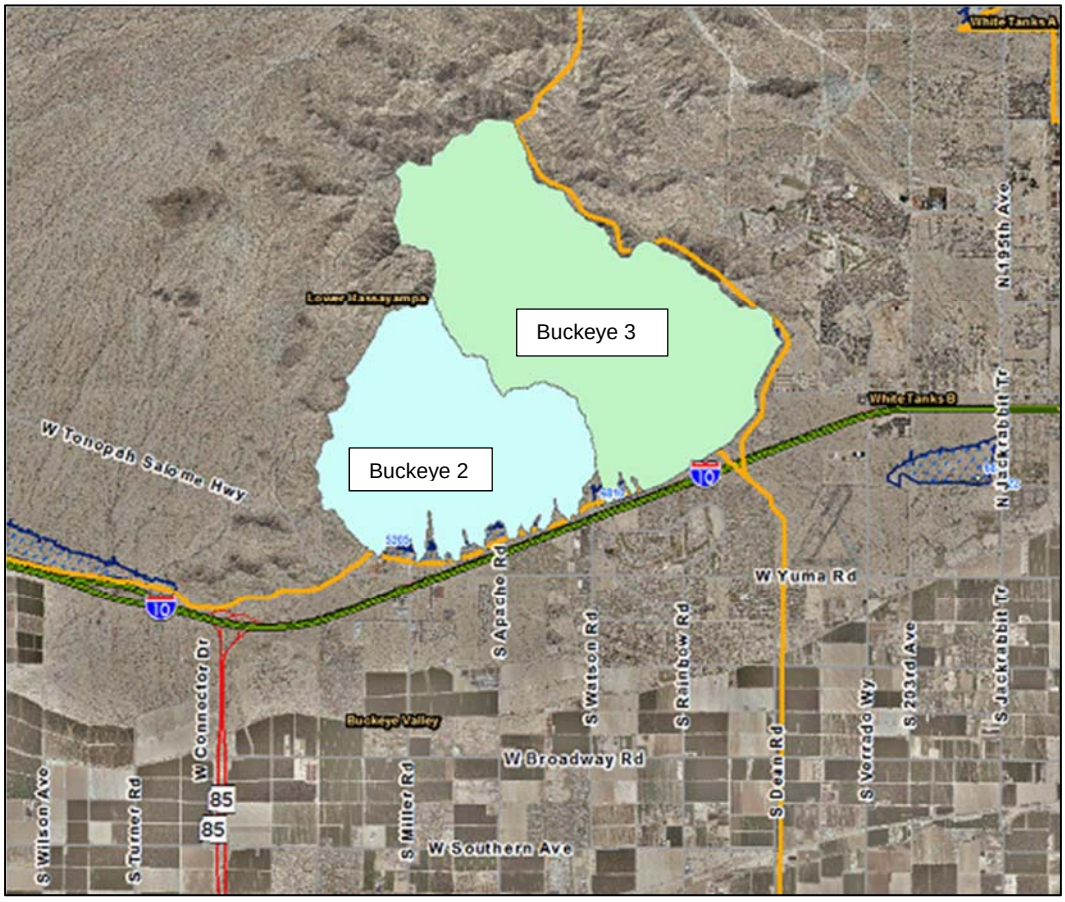
Buckeye FRS #2, ID #44507

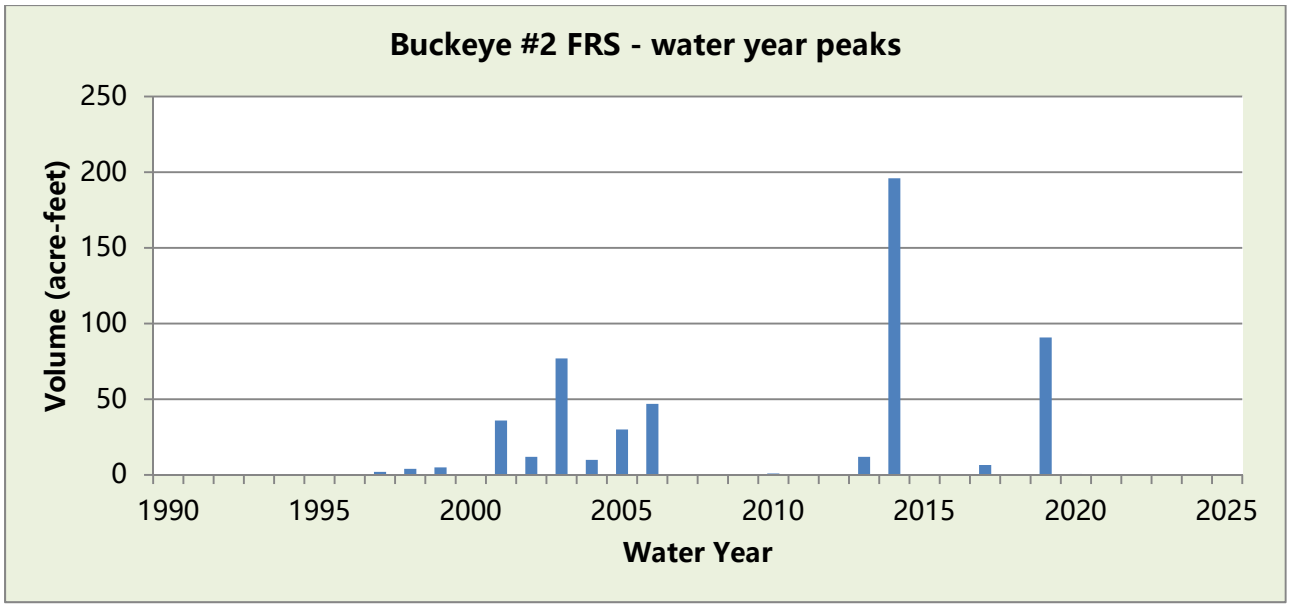


Site Data

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	27.89 Years | 10,186 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event,

No impoundments recorded in Water Year 2020.

Buckeye FRS #2, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						2						
13						3						
14						2						
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16												
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24												
25												
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27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	7	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	1	1	0	0	0	29	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	13	0	0	0	0	0	0

WTR YR 2020 TOTAL 7 MEAN 0 MAX 29 MIN 0 AC_FT 14

Buckeye FRS #2, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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	1	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 1 MIN 0

Buckeye FRS #2, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	-1.4	-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	-1.2	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
13	-1.4	-1.4	-1.4	-1.4	-1.4	-0.8	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
14	-1.4	-1.4	-1.4	-1.4	-1.4	-1.1	-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	-1.4
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	-1.4
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	-1.4
27	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
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	-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	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
MAX	-1.3	-1.3	-1.4	-1.4	-1.4	0.7	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
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 2020 MEAN -1.39 MAX 0.71 MIN -1.39

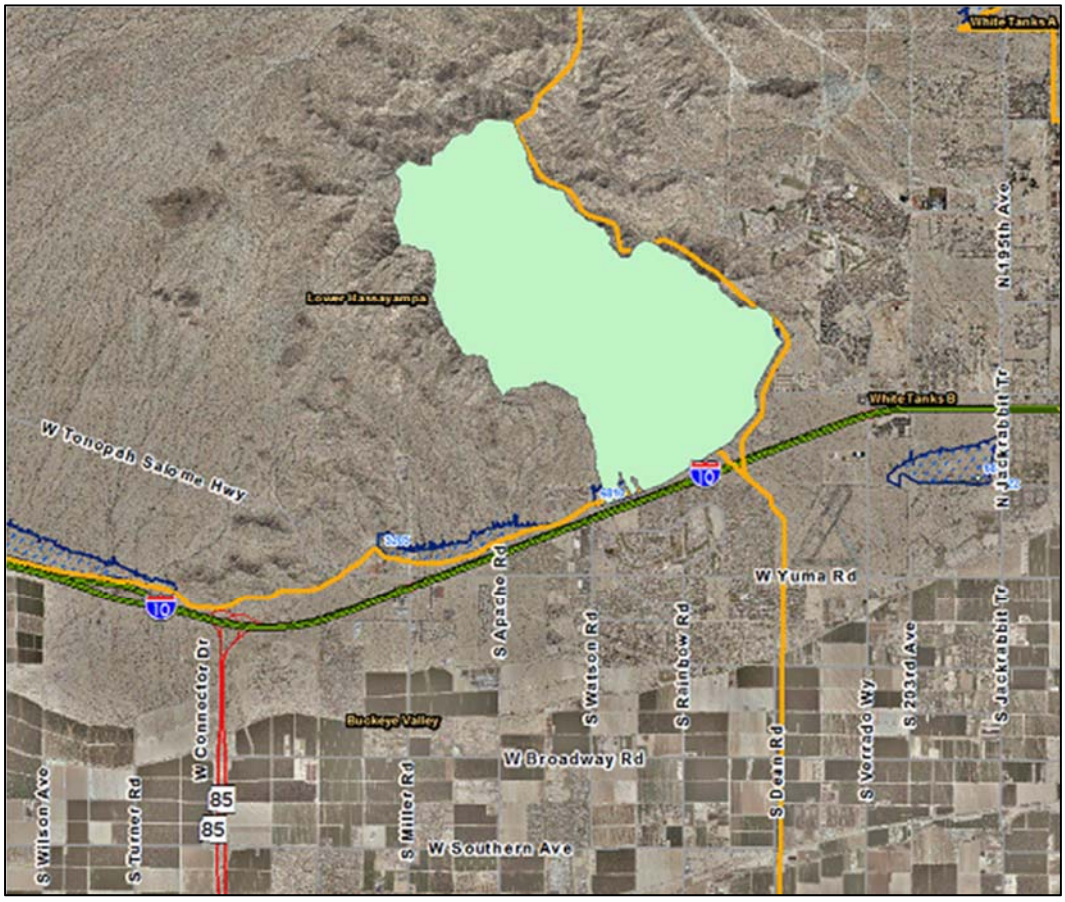
Buckeye FRS #3, ID #48807

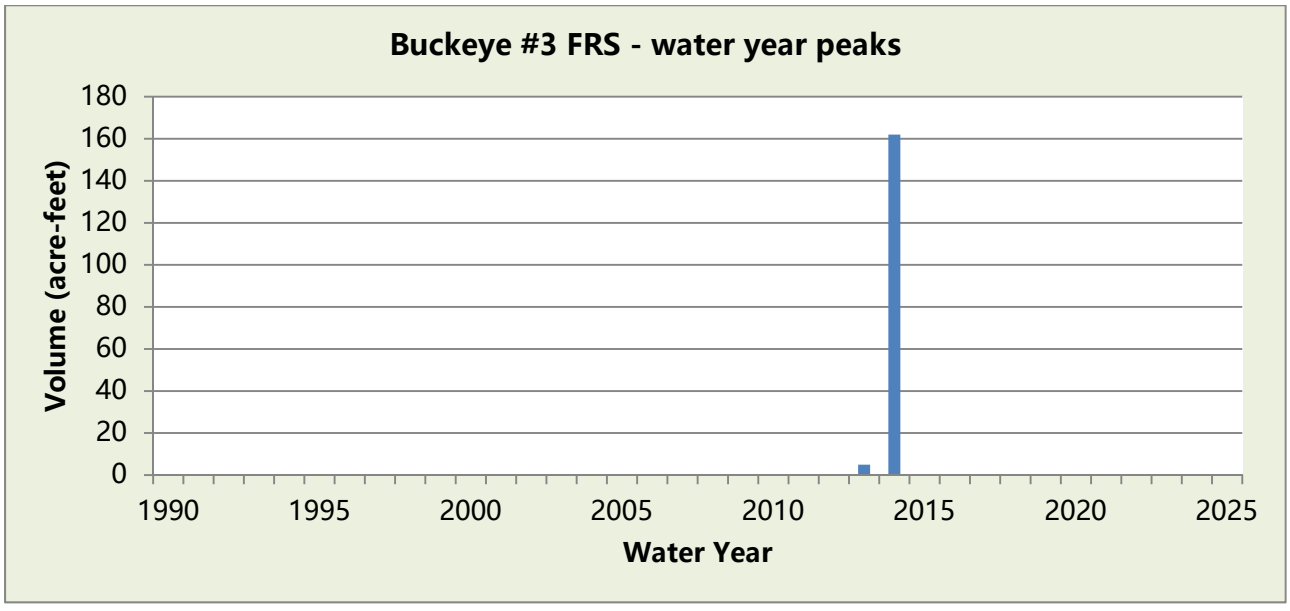


Site Data

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	27.85 Years | 10,174 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event,

No impoundments recorded in Water Year 2020.

Buckeye FRS #3, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				21								
8												
9												
10												
11												
12												
13						83						
14												
15												
16												
17												
18												
19						125						
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		30										
30					---							
31		---			---		---		---			---
TOTAL	0	30	0	21	0	208	0	0	0	0	0	0
MEAN	0	1	0	1	0	7	0	0	0	0	0	0
MAX	0	767	0	317	0	987	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	59	0	42	0	412	0	0	0	0	0	0

WTR YR 2020 TOTAL 258 MEAN 1 MAX 987 MIN 0 AC_FT 512

Buckeye FRS #3, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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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 2020 MEAN 0 MAX 0 MIN 0

Buckeye FRS #3, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	-4.1	-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	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
14	-4.1	-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	-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	-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	-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	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
MAX	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.0	-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 2020 MEAN -4.08 MAX -4.04 MIN -4.08

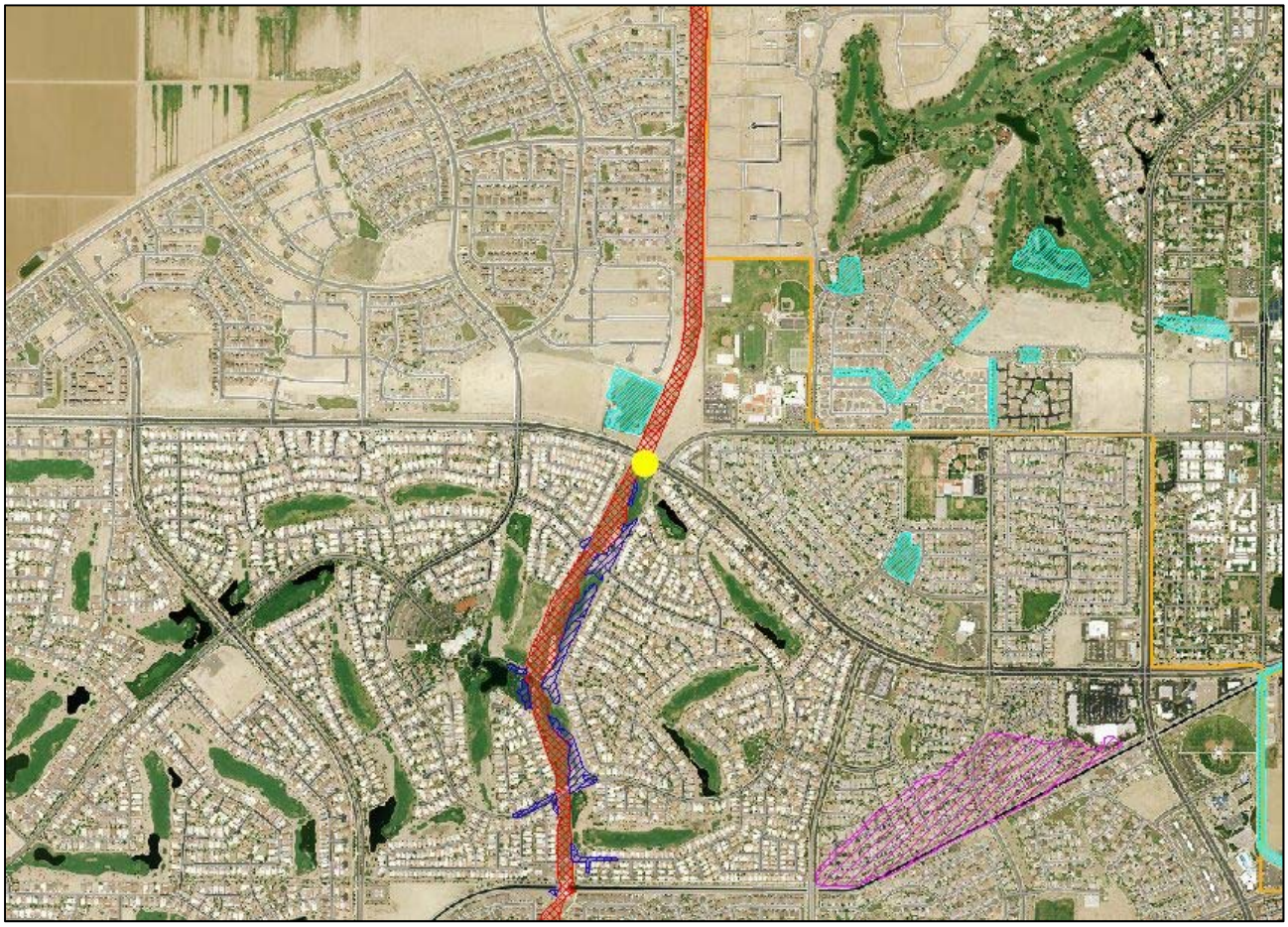
Bullard Wash at Indian School Road, ID #89507

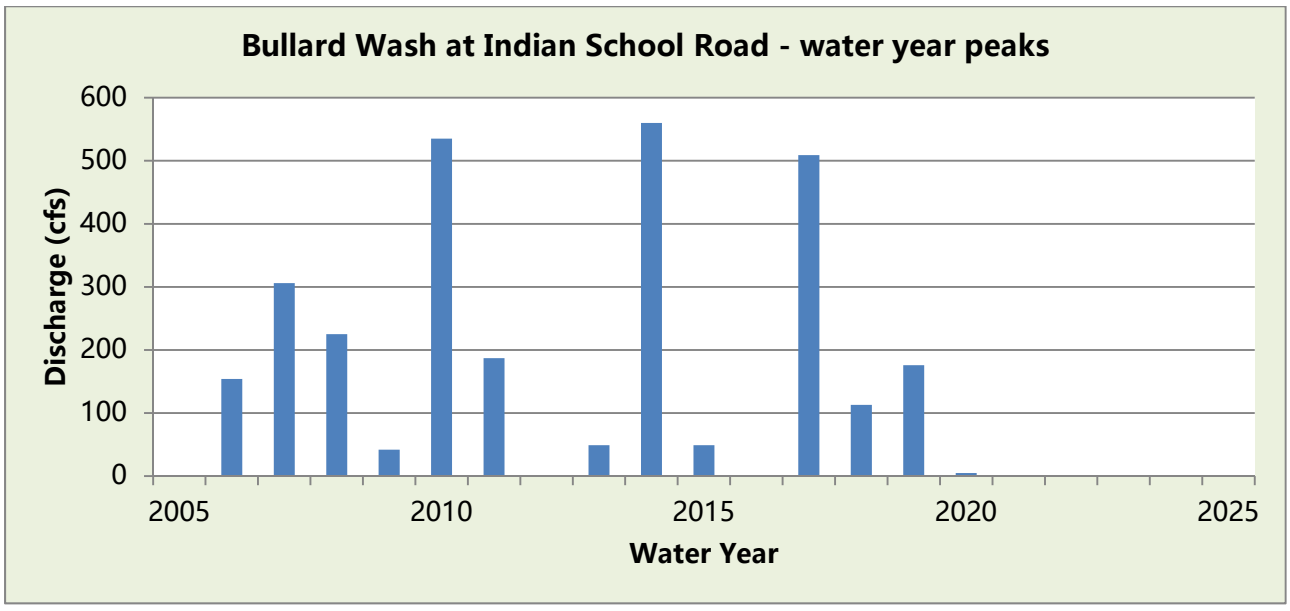


Site Data

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	14.26 Years | 5,210 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

Flood Flow Frequency

Flood Flow Frequency N=15, HEC-WRC computation (based on 15 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
103	**355**	**607**	**897**	**1,320**	**1,660**

Bullard Wash at Indian School Road, ID #6868

Discharge, in cfs, Water Year October 2019 to September 2020

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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13												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Bullard Wash at Van Buren Street, ID #89207

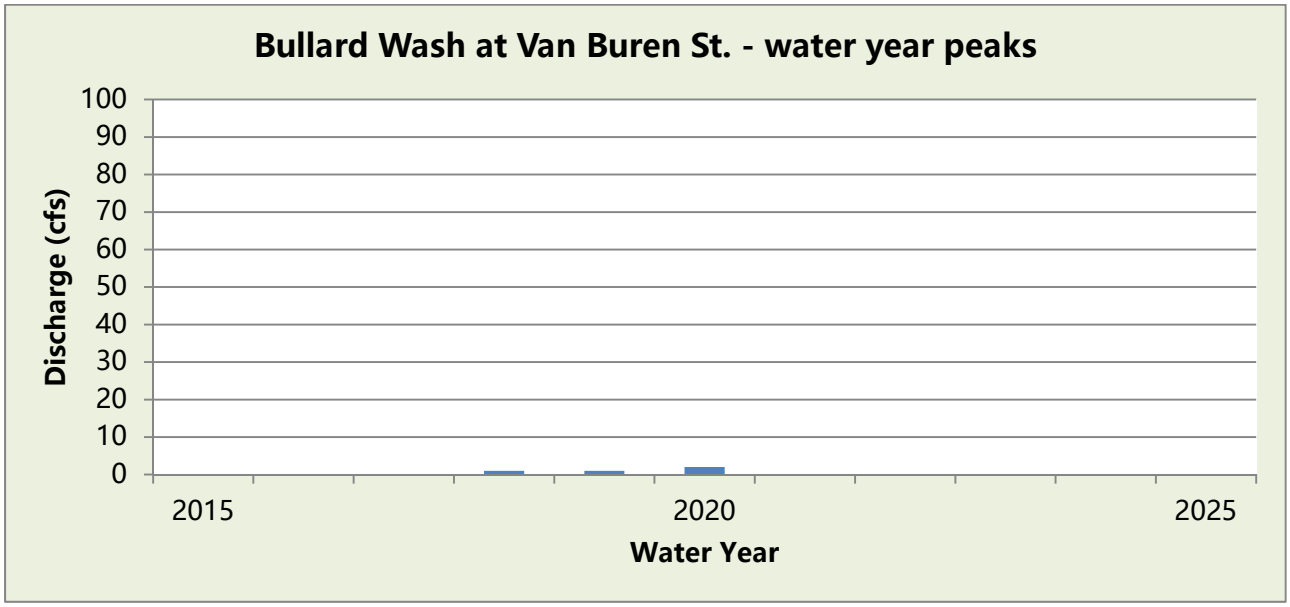


Site Data

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	2.80 Years | 1,023 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded during Water Year 2020.

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 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

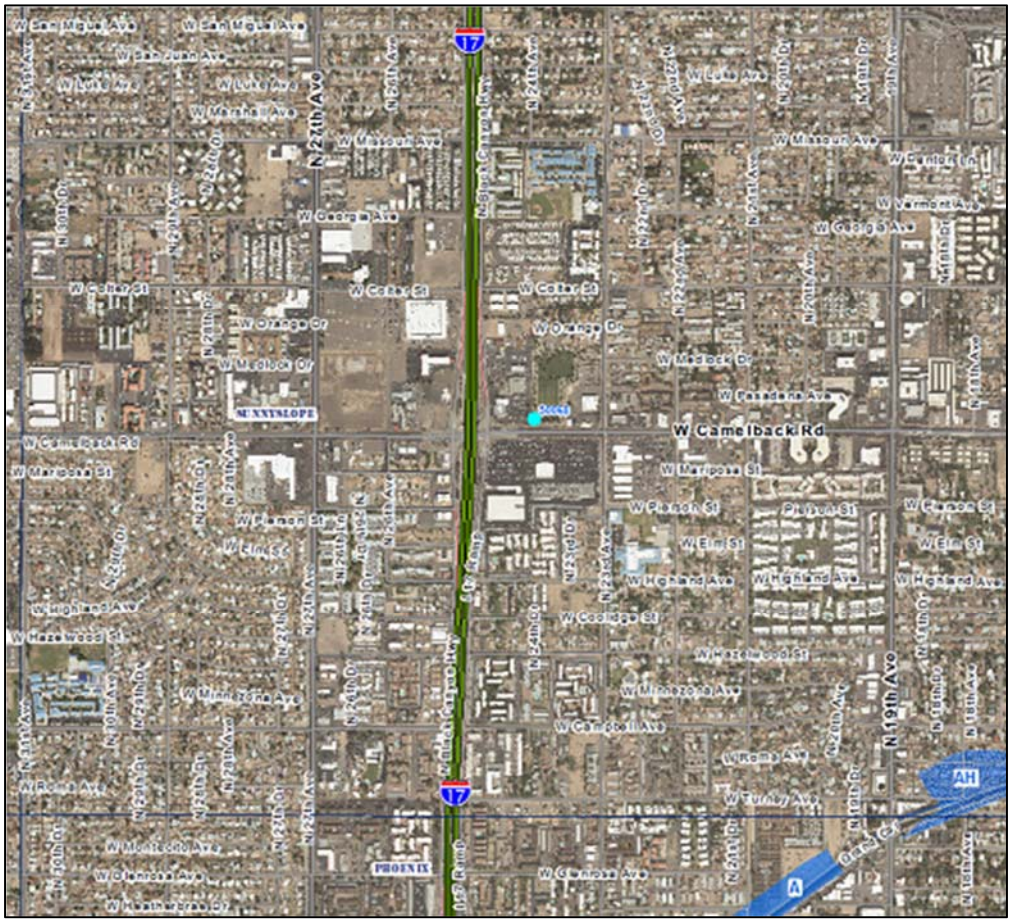
Camelback Road at 24th Avenue Basin, ID #6807

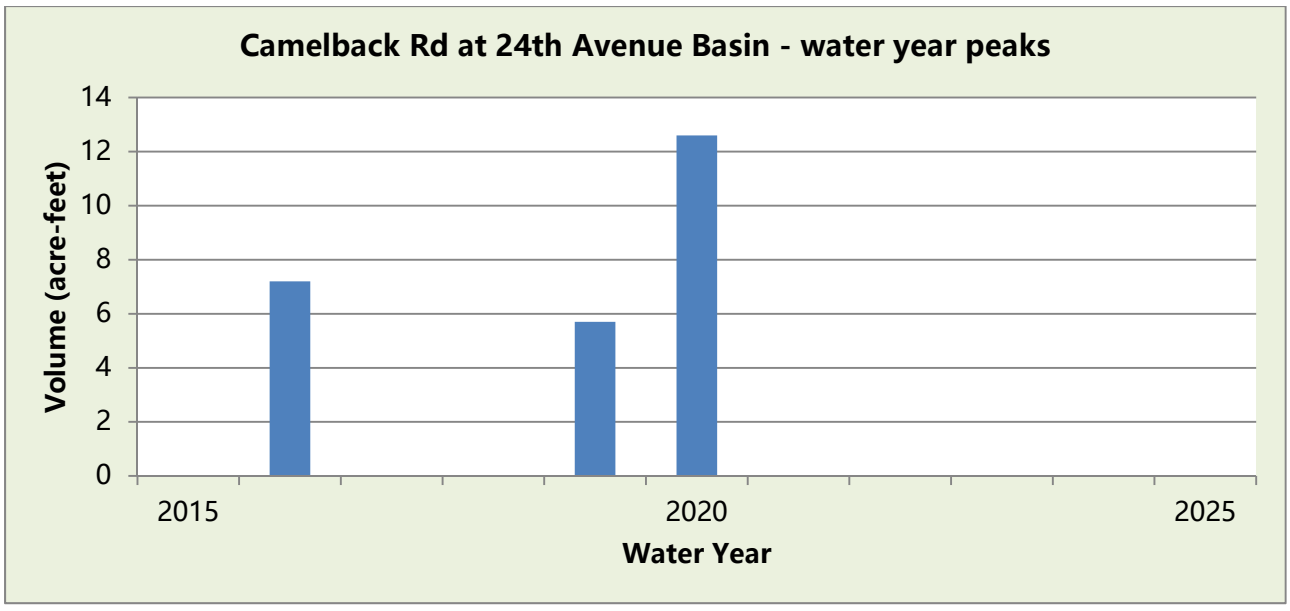


Site Data

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	5.00 Years | 1,827 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,132.31 feet NAVD88
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

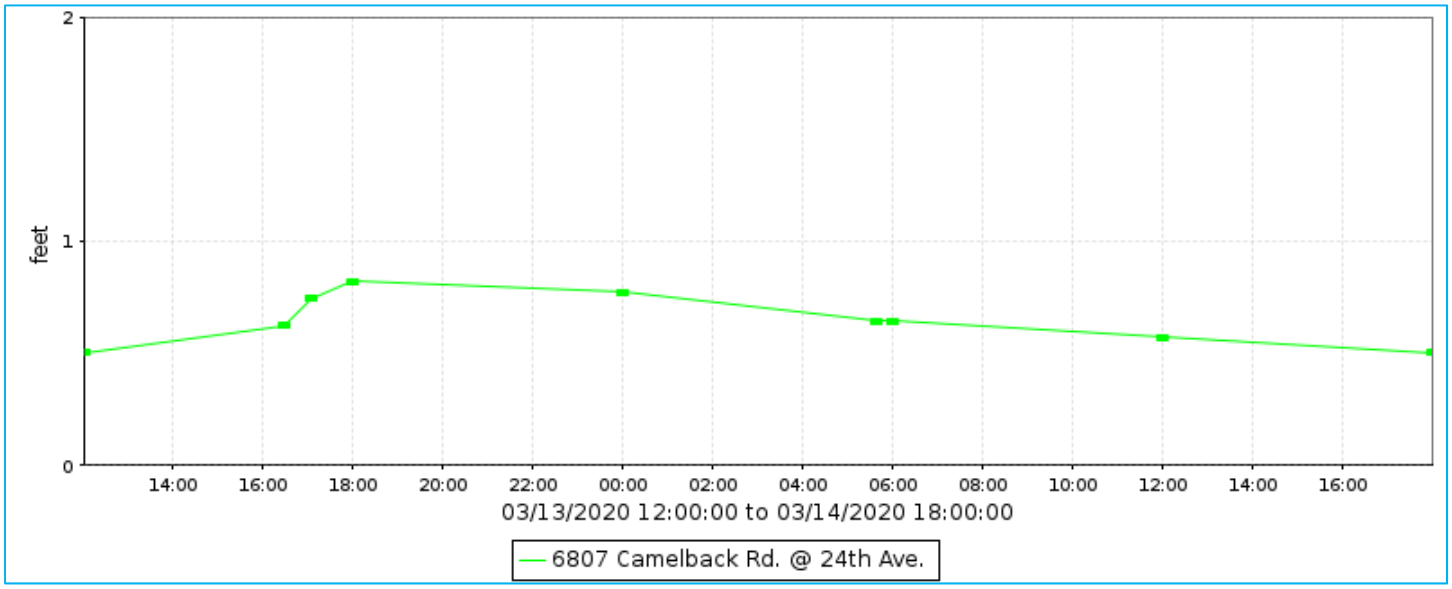




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
03/13/2020	0.82	3.3	12.6

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Camelback Road at 24th Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

NOTE: There is no discharge rating for this site at this time.

Camelback Road at 24th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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						2						
15												
16												
17	1											
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	2	0	0	0	0	3	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 3 MIN 0

Camelback Road at 24th Avenue Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.5	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	0.6	0.5	0.5	0.5	0.5	0.5	0.5
14	0.5	0.5	0.5	0.5	0.5	0.6	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	---
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	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	0.5	0.5	0.5	0.5	0.5	0.8	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 2020 MEAN 0.50 MAX 0.82 MIN 0.50

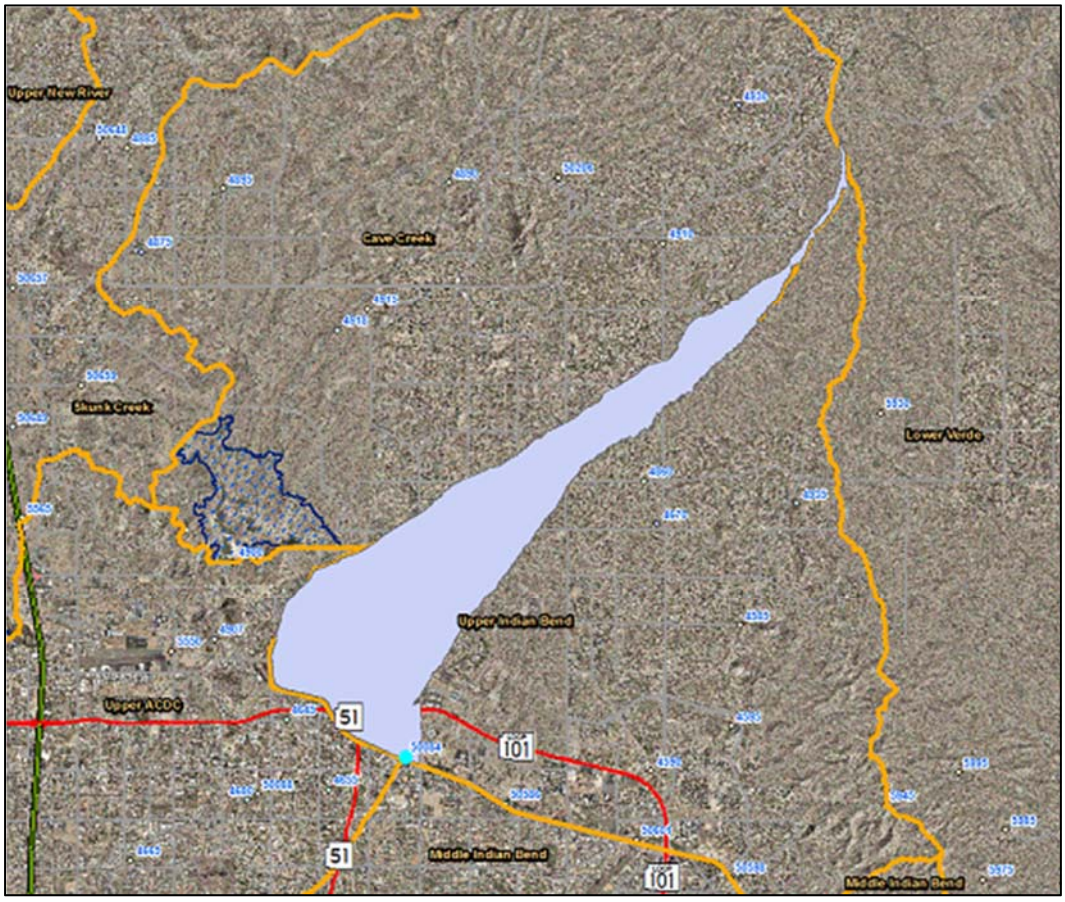
CAP Reach #11 Dike #1, ID #8407

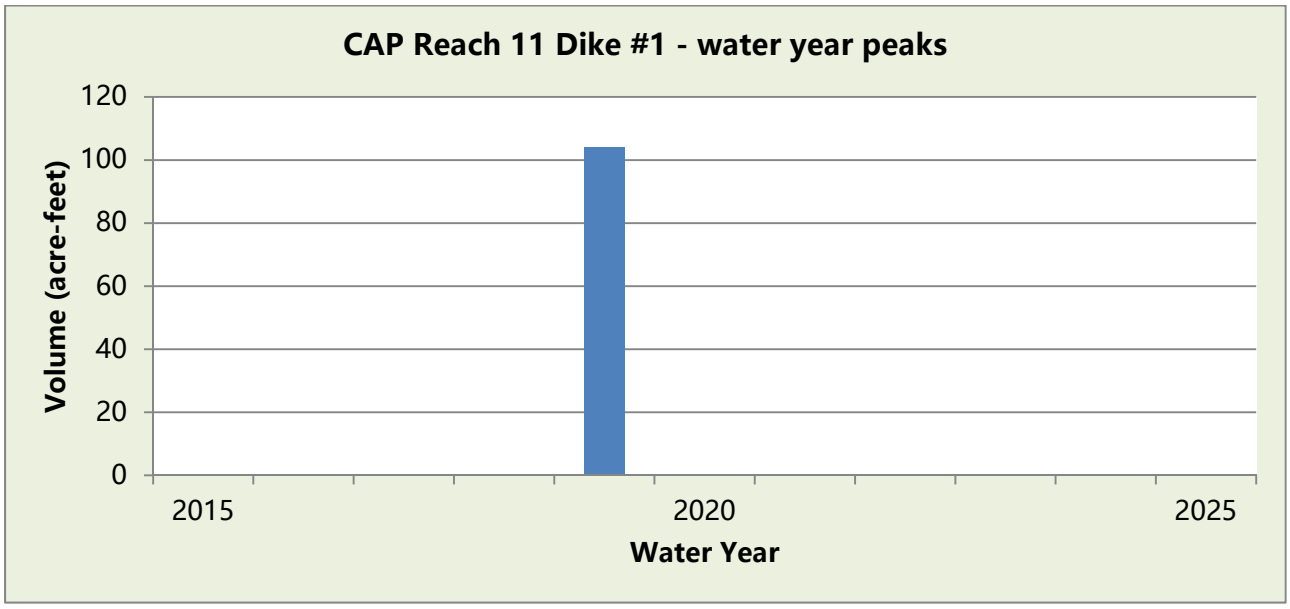


Site Data

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	4.20 Years | 1,535 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event,

No impoundments recorded in Water Year 2020.

CAP Reach 11 Dike #1, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 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 2019 to September 2020

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 2020 MEAN 0 MAX 0 MIN 0

CAP Reach 11 Dike #1, stage data

Depth, in feet, Water Year October 2019 to September 2020

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
8	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
10	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
12	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	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 2020 MEAN 0.00 MAX 0.00 MIN 0.00

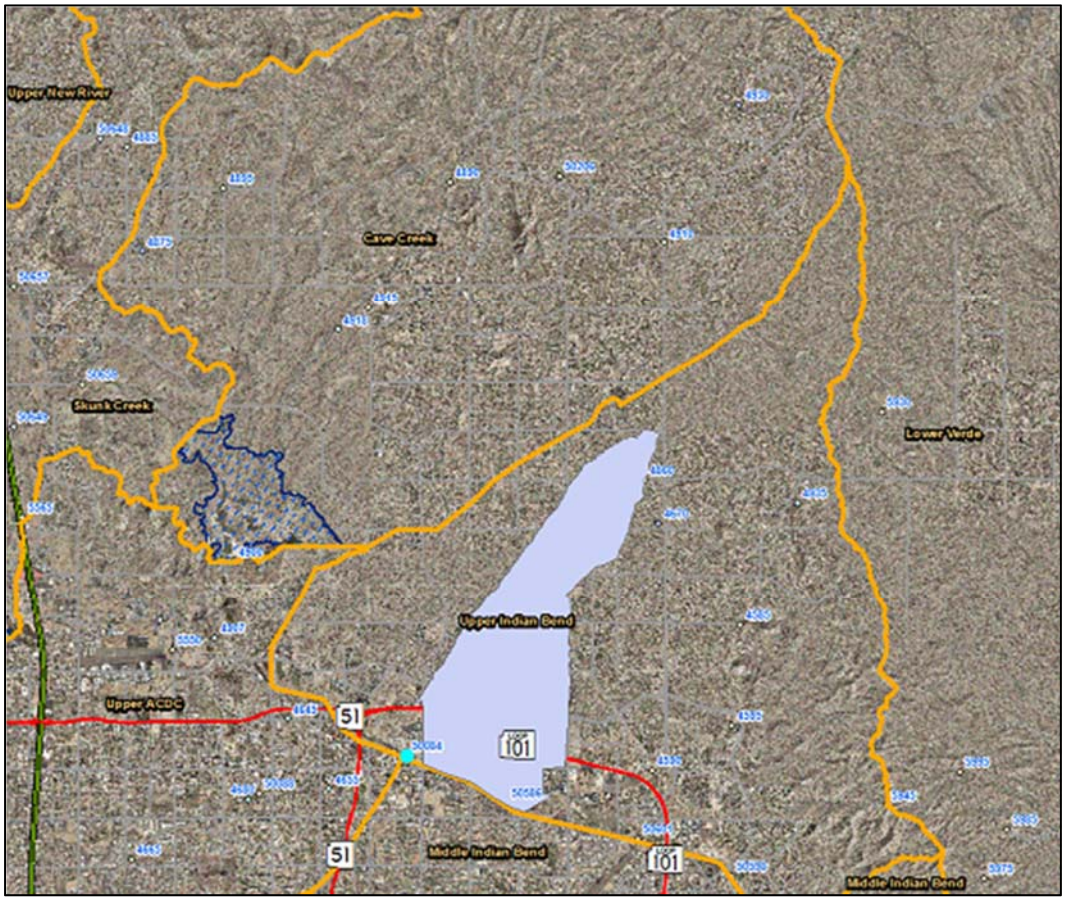
CAP Reach #11, Dike #2, ID #58607

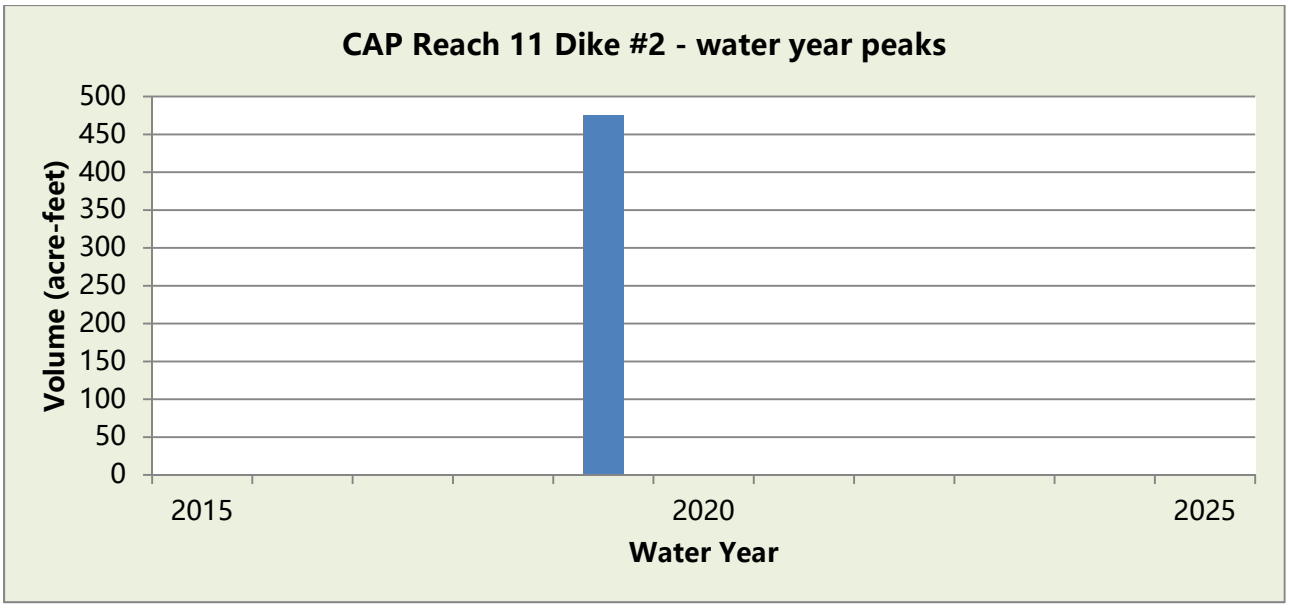


Site Data

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	4.20 Years | 1,535Days
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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event,

No impoundments recorded in Water Year 2020.

CAP Reach 11 Dike #2, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	3	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	6	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	6	0	0	0

WTR YR 2020 TOTAL 3 MEAN 0 MAX 6 MIN 0 AC_FT 6

CAP Reach 11 Dike #2, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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					---							
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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	0	0	0	0	0	0	0	0	0	0	0	426
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 1 MAX 426 MIN 0

CAP Reach 11 Dike #2, stage data

Depth, in feet, Water Year October 2019 to September 2020

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
8	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
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	0.1	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	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	0.3	0.0	0.0	0.1
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 2020 MEAN 0.00 MAX 0.30 MIN 0.00

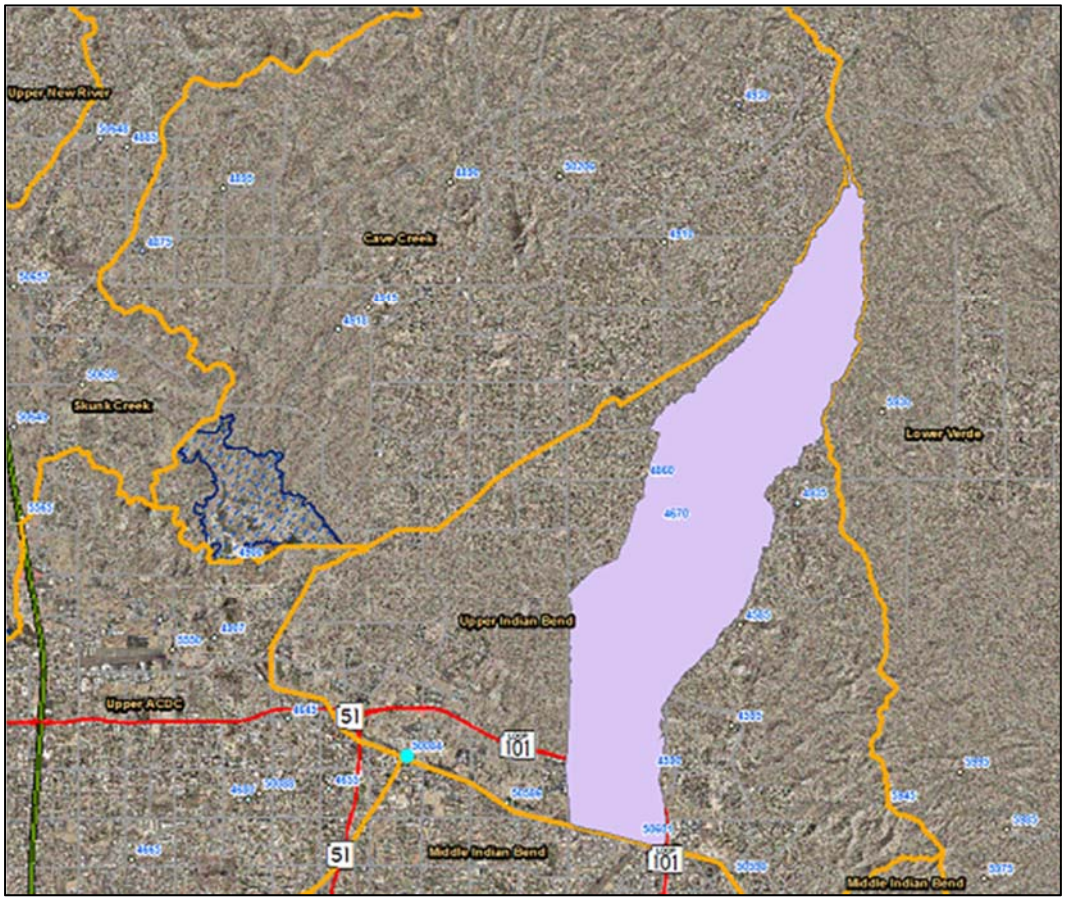
CAP Reach #11, Dike #3, ID #60107

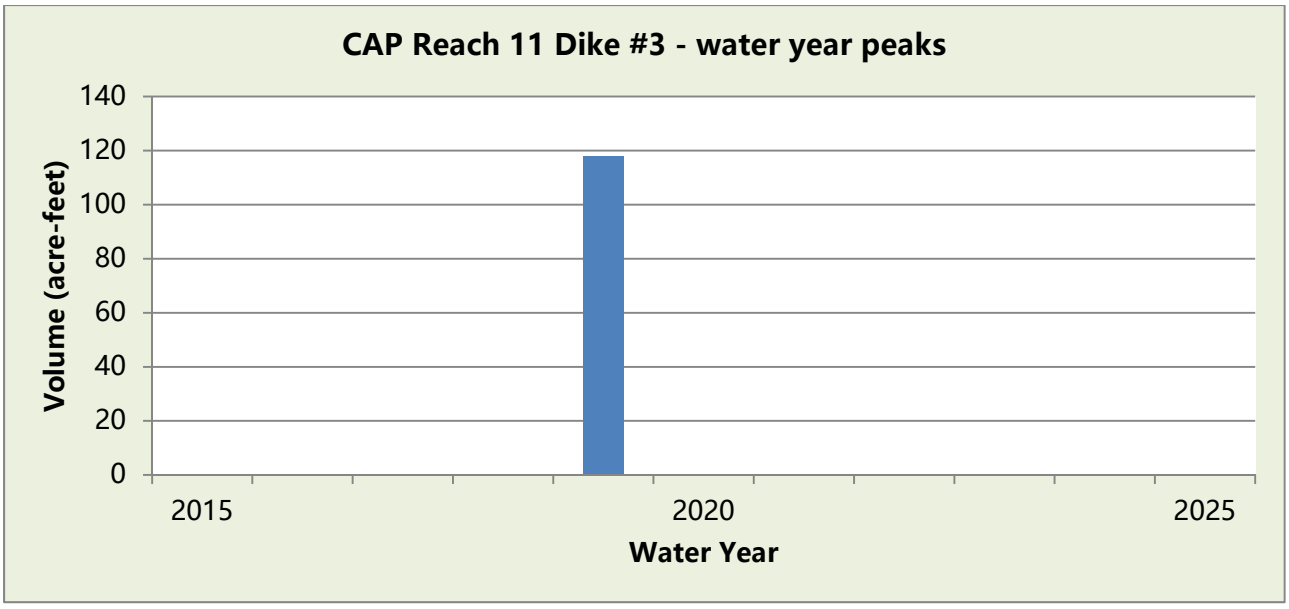


Site Data

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	4.20 Years | 1,535 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event,

No impoundments recorded in Water Year 2020.

CAP Reach 11 Dike #3, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7					---							
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9					---							
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24												
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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 2020 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 2019 to September 2020

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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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	107	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 107 MIN 0

CAP Reach 11 Dike #3, stage data

Depth, in feet, Water Year October 2019 to September 2020

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
8	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
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
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	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	0.1	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 2020 MEAN 0.00 MAX 0.10 MIN 0.00

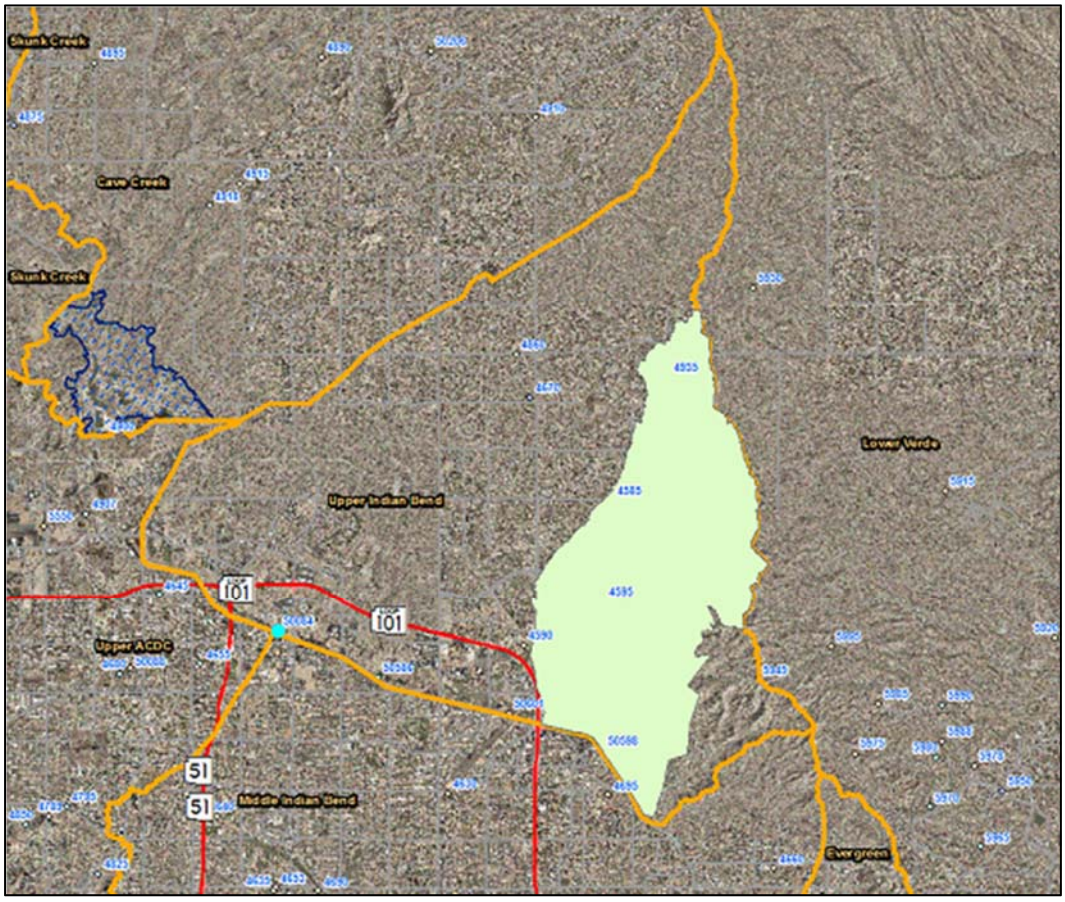
CAP Reach #11, Dike #4, ID #59807

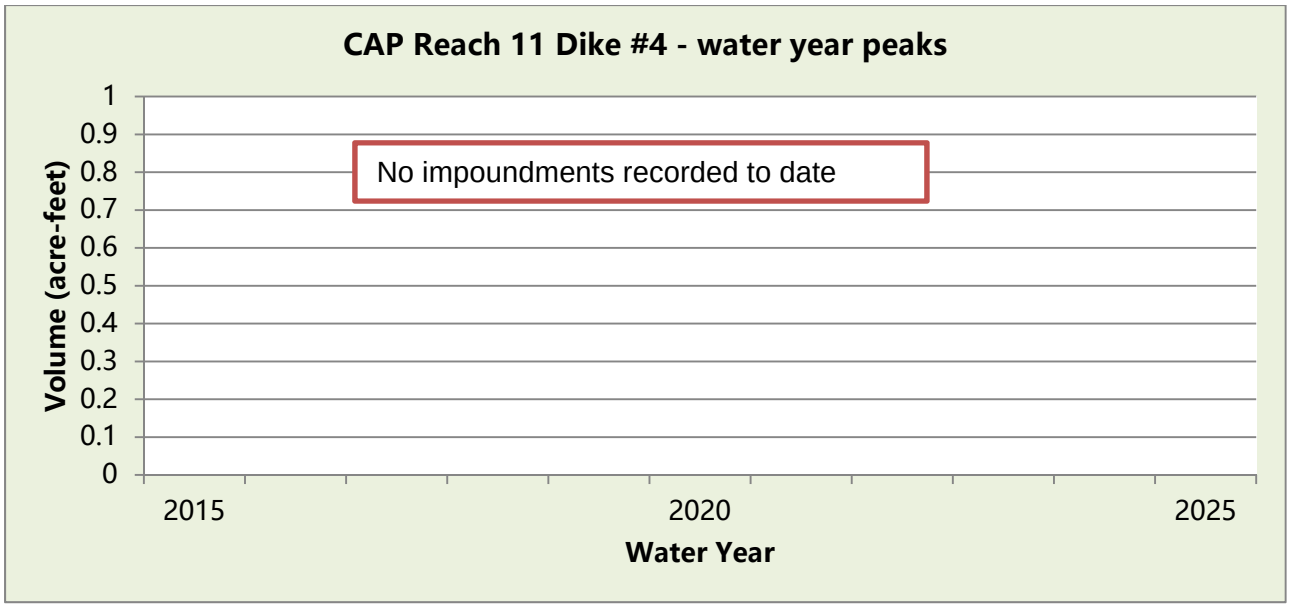


Site Data

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	4.20 Years | 1,535 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event

No impoundments were recorded during Water Year 2020.

CAP Reach 11 Dike #4, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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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 2020 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 2019 to September 2020

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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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 2020 MEAN 0 MAX 149 MIN 0

CAP Reach 11 Dike #4, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	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	0.1	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 2020 MEAN 0.00 MAX 0.10 MIN 0.00

Casandro Wash, ID #52007

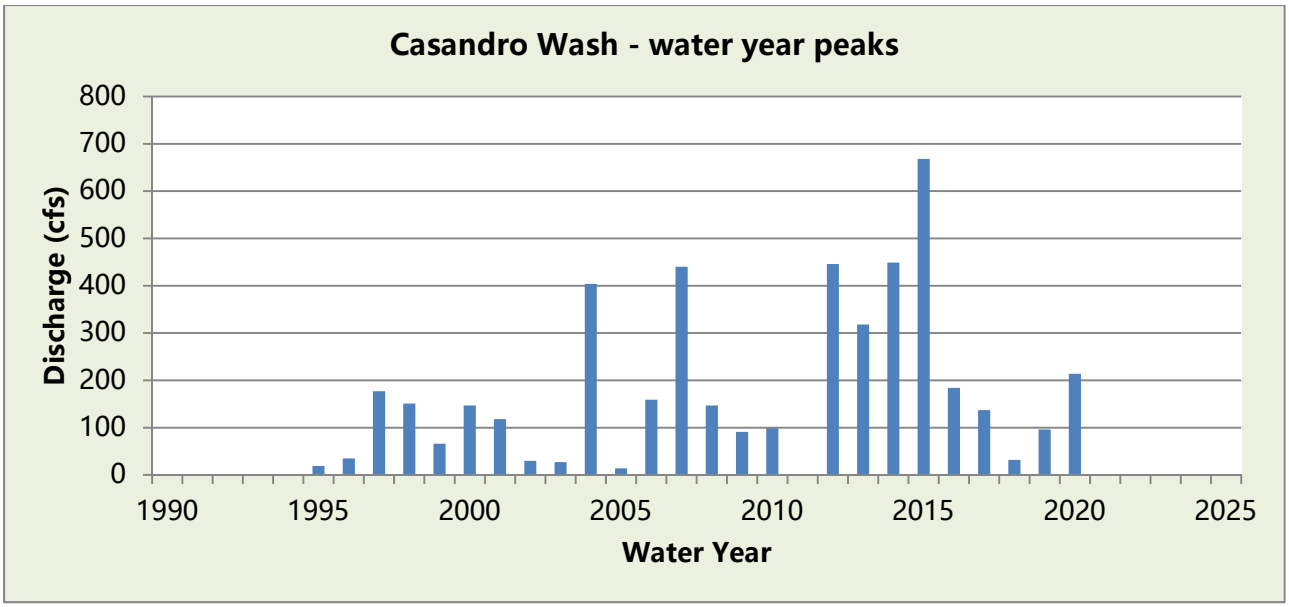


Site Data

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	26.22 Years | 9,578 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

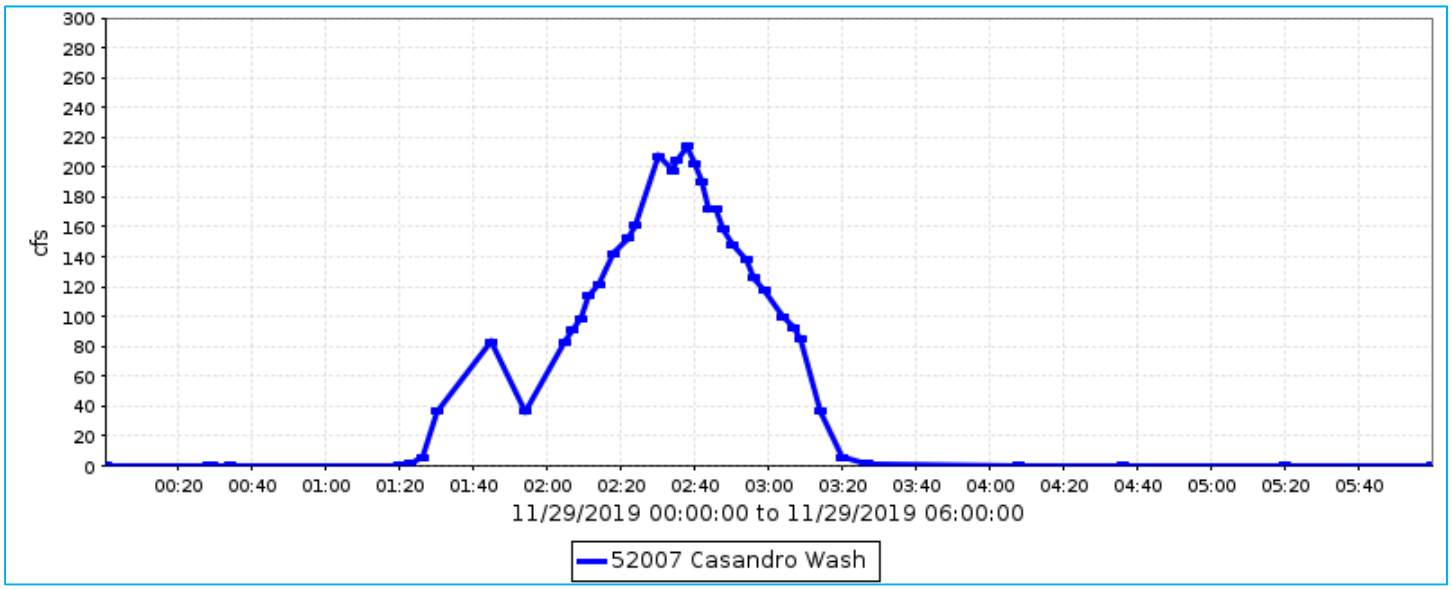




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	2.05	88
11/29/2019	3.52	214
03/13/2020	1.98	83

Hydrograph of peak WY 2020 flow event, 11/29/2019



Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
113	**274**	**419**	**583**	**826**	**1,030**

NOTE: These results are based on limited data.

Casandro Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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21												
22												
23												
24												
25												1
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	7	0	0	0	2	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	214	0	0	0	83	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	18	0	0	0	4	0	0	0	0	0	0

WTR YR 2020 TOTAL 4 MEAN 0 MAX 214 MIN 0 AC_FT 22

Casandro Dam, ID #53007

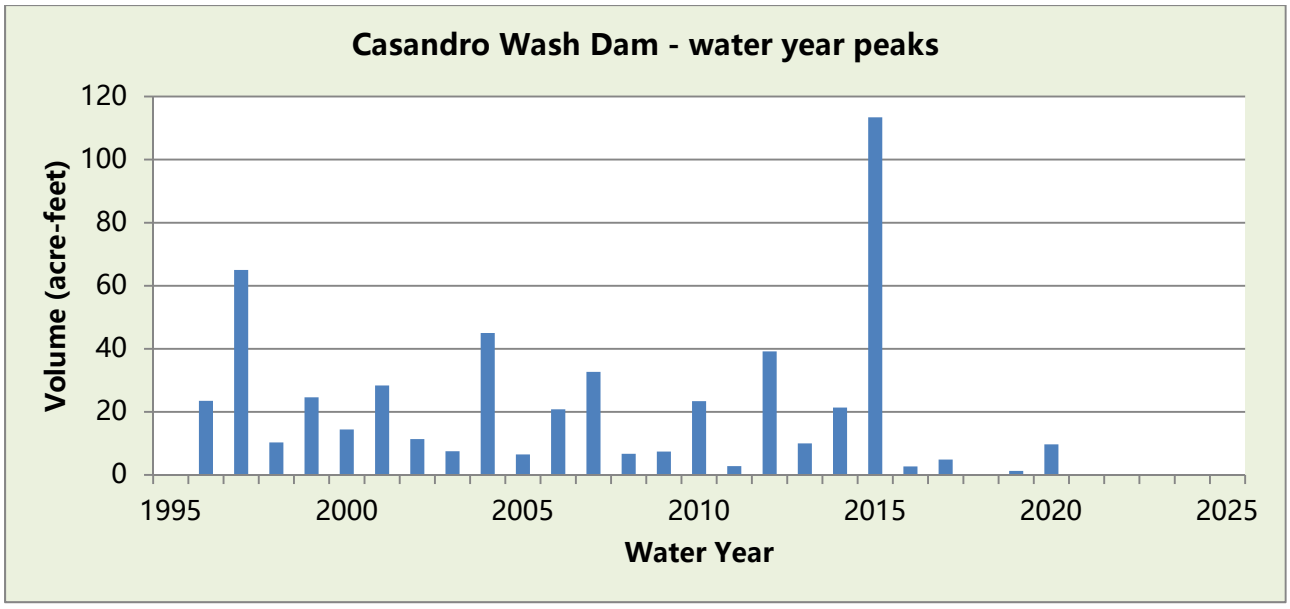


Site Data

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	24.13 Years | 8,813 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

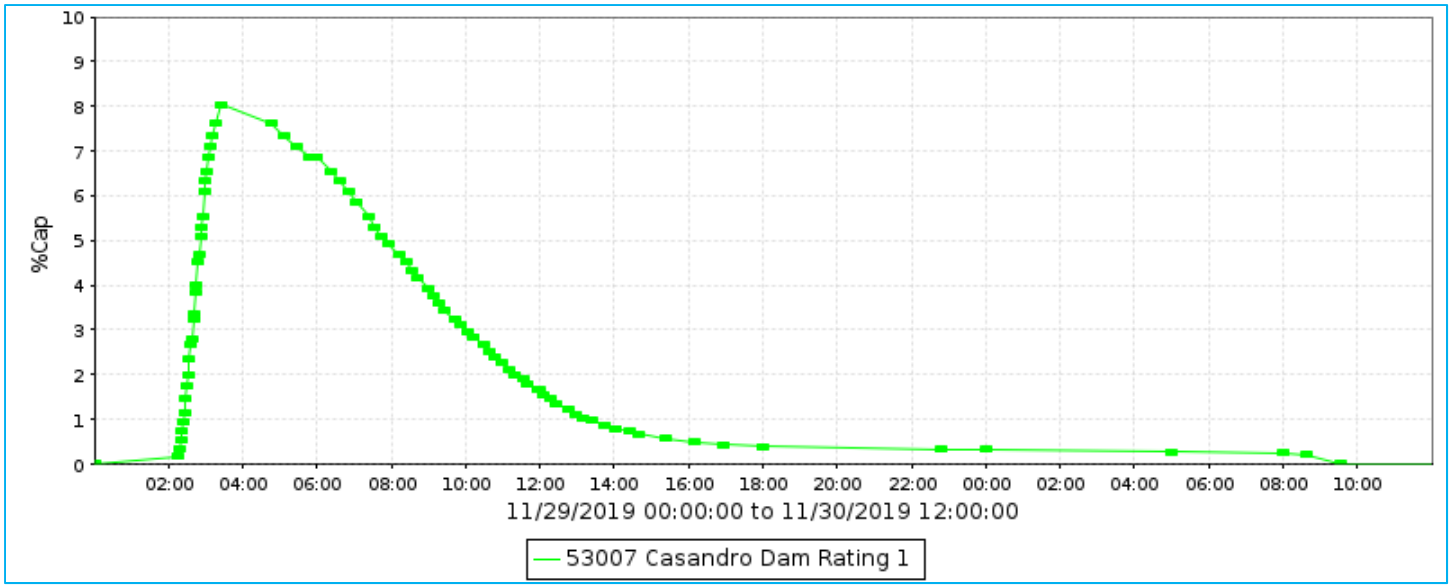




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	6.21	9.7	8.0
03/12/2020	2.21	1.5	1.3

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Casandro Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						1						
13	---											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		7										
30					---							
31		---			---		---		---			---
TOTAL	0	7	0	0	0	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	16	0	0	0	7	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	13	0	0	0	2	0	0	0	0	0	0

WTR YR 2020 TOTAL 8 MEAN 0 MAX 16 MIN 0 AC_FT 16

Casandro Dam, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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		3										
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	10	0	0	0	1	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 10 MIN 0

Casandro Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.6	0.2	0.2	0.2	0.2	0.2	0.2
13	---	0.2	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.4	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	2.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.4	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	6.2	0.2	0.2	0.2	2.2	0.2	0.2	0.2	0.2	0.2	0.2
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 2020 MEAN 0.20 MAX 6.21 MIN 0.19

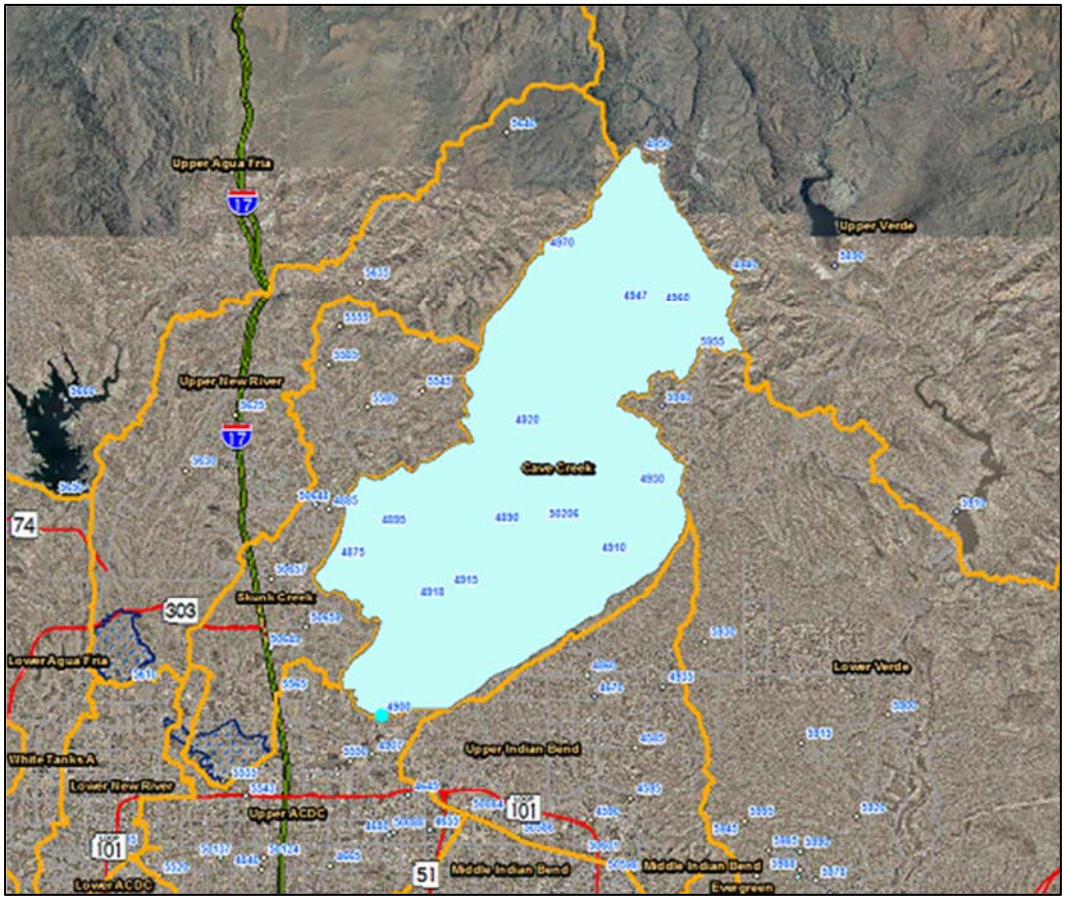
Cave Buttes Dam Pool, ID #19517

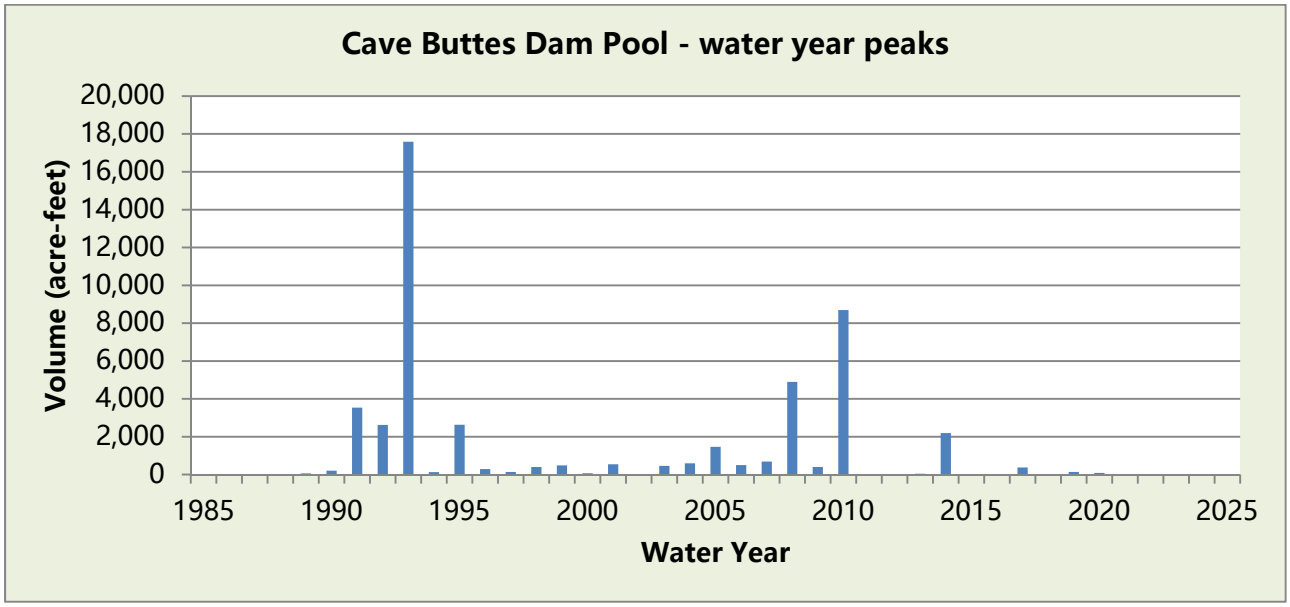


Site Data

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	33.00 Years | 12,054 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

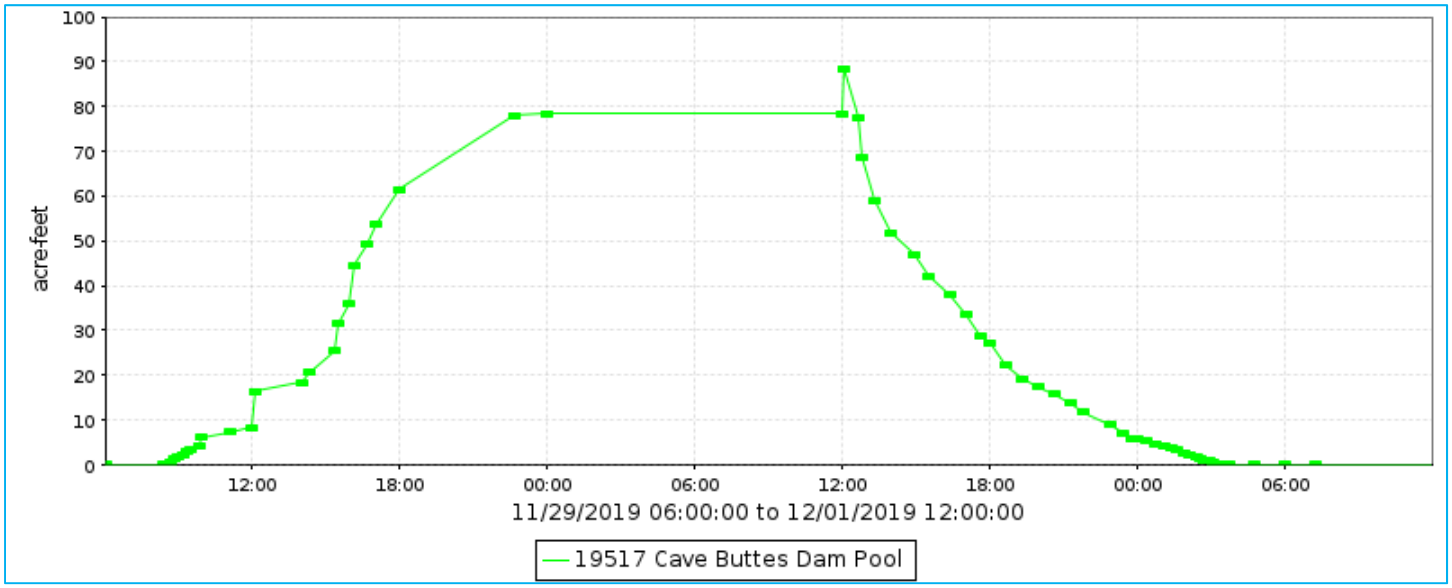




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/21/2019	11.49	45.2	0.1
11/30/2019	13.08	88.4	0.2
03/13/2020	6.46	3.3	0.0

Hydrograph of peak WY 2020 impoundment event, 11/30/2019



Cave Buttes Dam Pool, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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		3										
21		18										
22												
23												
24												
25												
26												
27												
28												
29		24										
30		56			---							
31		---			---		---		---			---
MEAN	0	3	0	0	0	0	0	0	0	0	0	0
MAX	0	88	5	0	0	3	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 88 MIN 0

Cave Buttes Dam Pool, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.9	2.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
3	1.9	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	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
8	1.9	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	2.7	1.9	1.9	1.9	1.9	1.9	1.9
14	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9
15	1.9	1.9	1.9	1.9	1.9	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	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
21	1.9	9.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
22	1.9	2.0	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	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
27	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
28	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
29	1.9	7.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
30	1.9	11.6	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	1.9	2.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
MAX	1.9	13.1	7.5	1.9	1.9	6.5	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 2020 MEAN 1.97 MAX 13.08 MIN 1.90

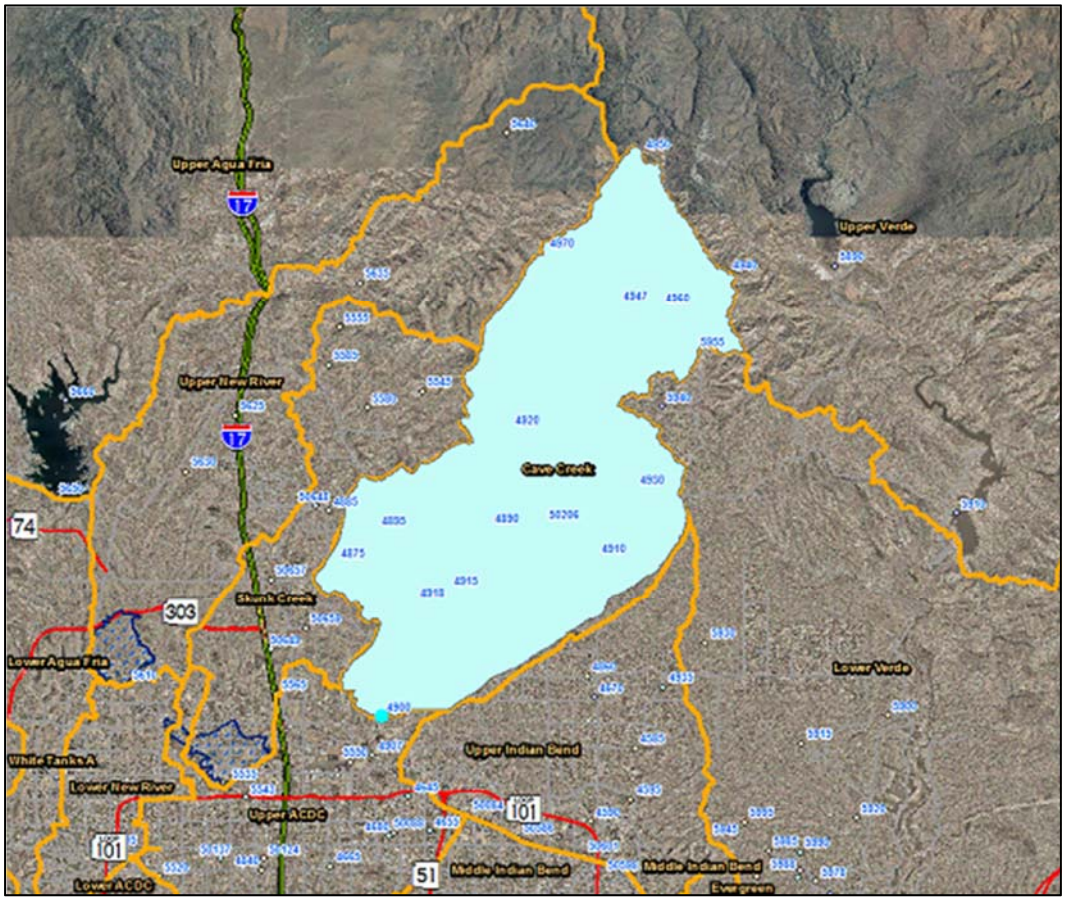
Cave Buttes Dam Outlet, ID #19507

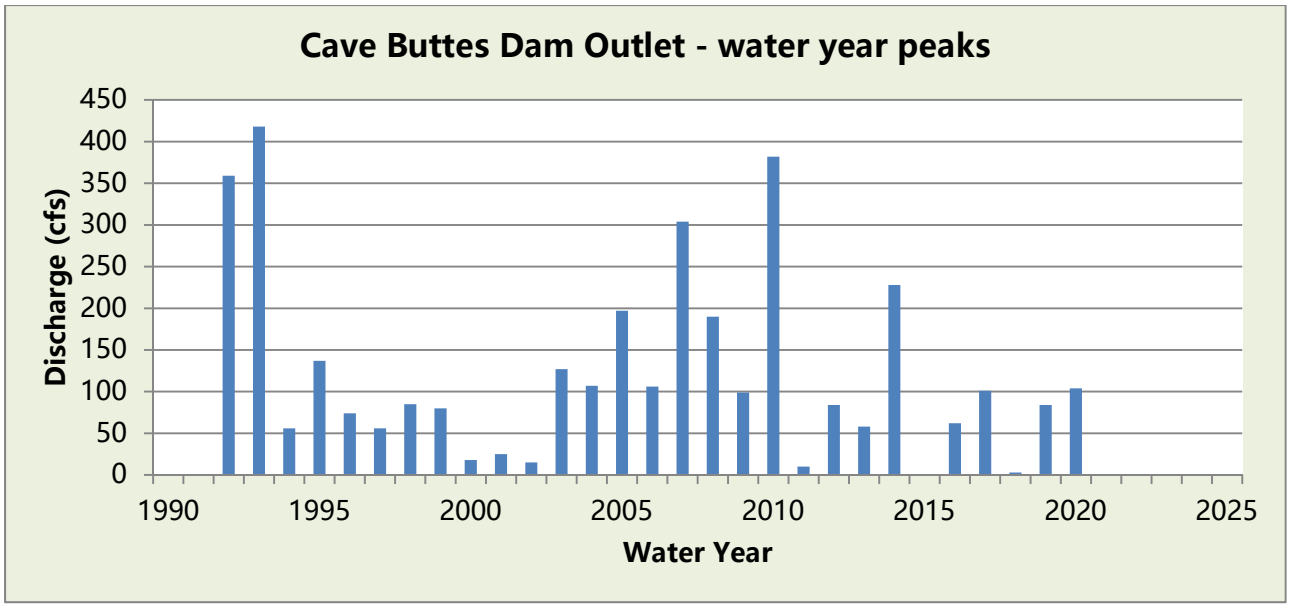


Site Data

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	28.17 Years | 10,290 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

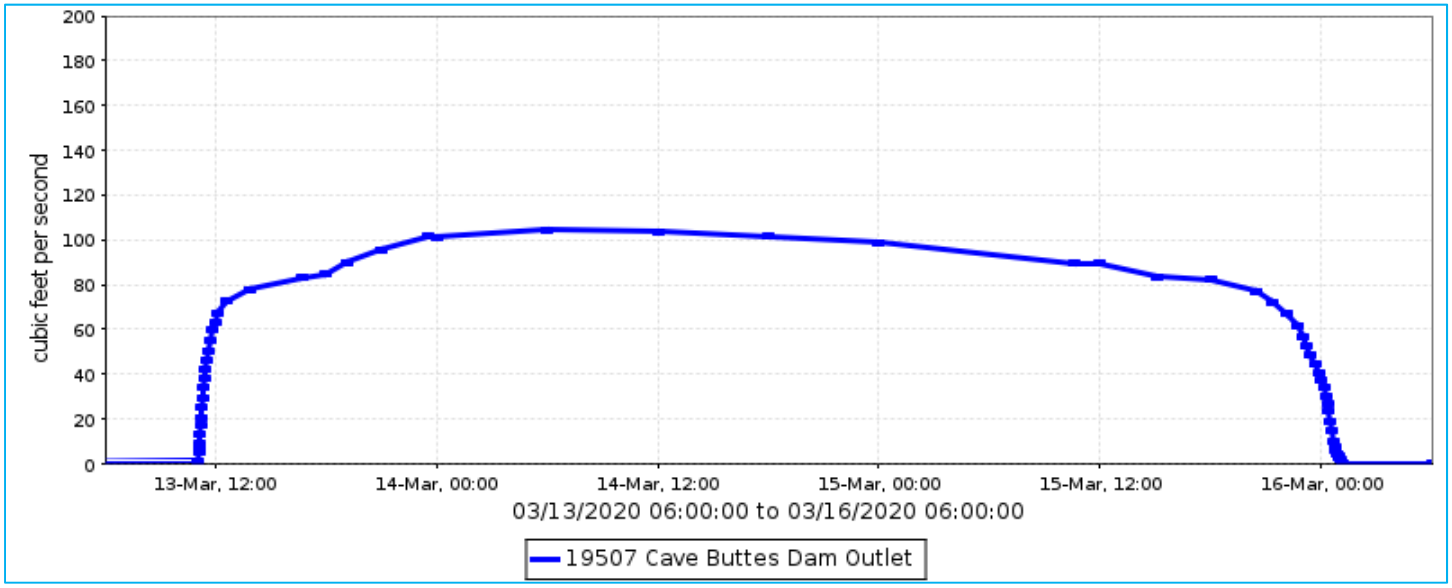




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/21/2019	3.86	88
11/29/2019	3.92	92
03/14/2020	4.14	104

Hydrograph of peak WY 2020 flow event, 03/14/2020



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			10									
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13						44						
14						103						
15						89						
16						1						
17												
18												
19												
20		22										
21		82										
22		3										
23												
24												
25												
26												
27												
28												
29		52										
30		82			---							
31		---			---		---		---			---
TOTAL	0	240	10	0	0	237	0	0	0	0	0	0
MEAN	0	8	0	0	0	8	0	0	0	0	0	0
MAX	0	92	63	0	0	104	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	476	19	0	0	469	0	0	0	0	0	0

WTR YR 2020 TOTAL 486 MEAN 1 MAX 104 MIN 0 AC_FT 964

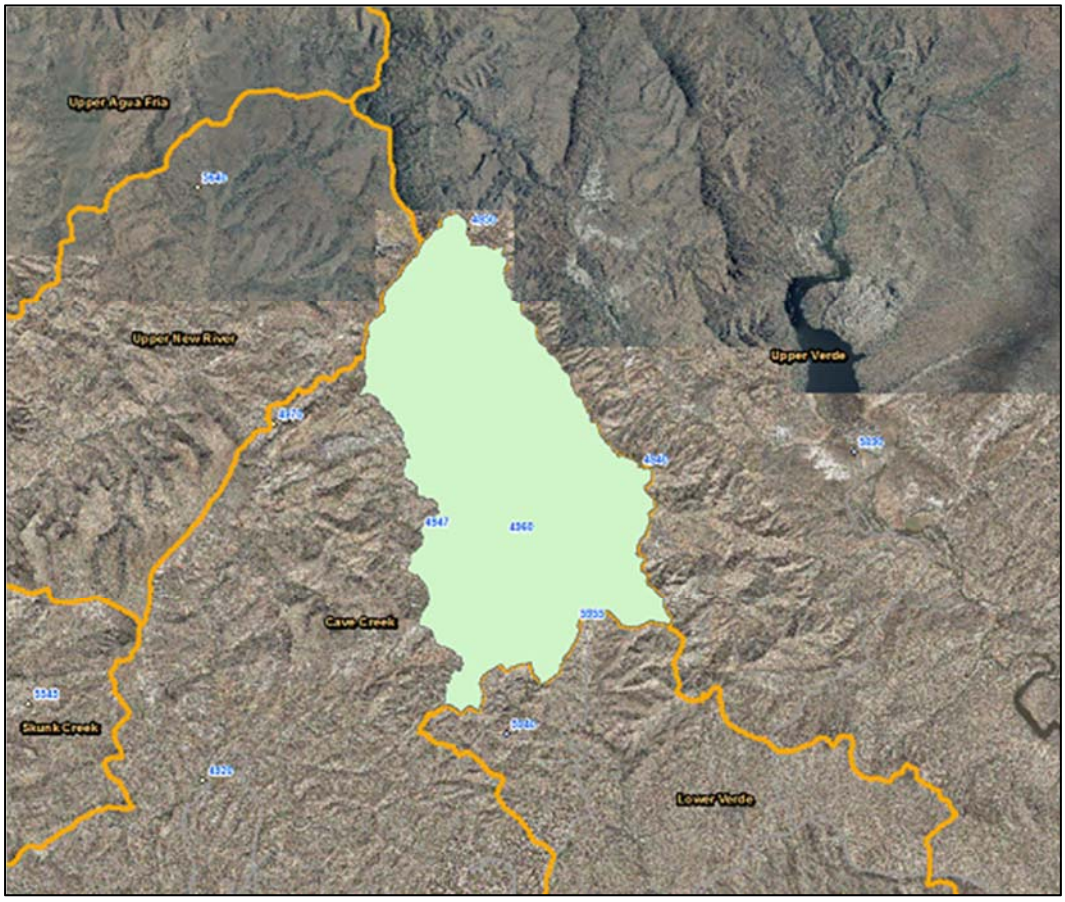
Cave Creek at Ashdale Ranger Station, ID #21307

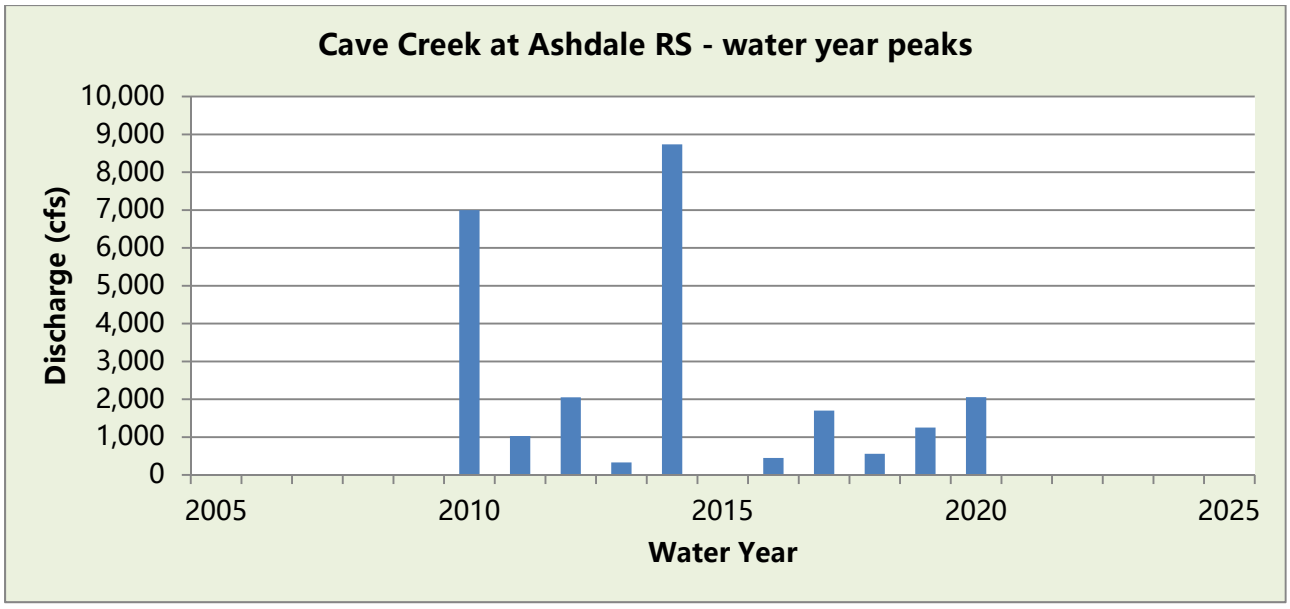


Site Data

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	11.60 Years | 4,236 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	3,256.78 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	8,735 cfs | 11.24 feet GH | 08/19/2014

Watershed Map

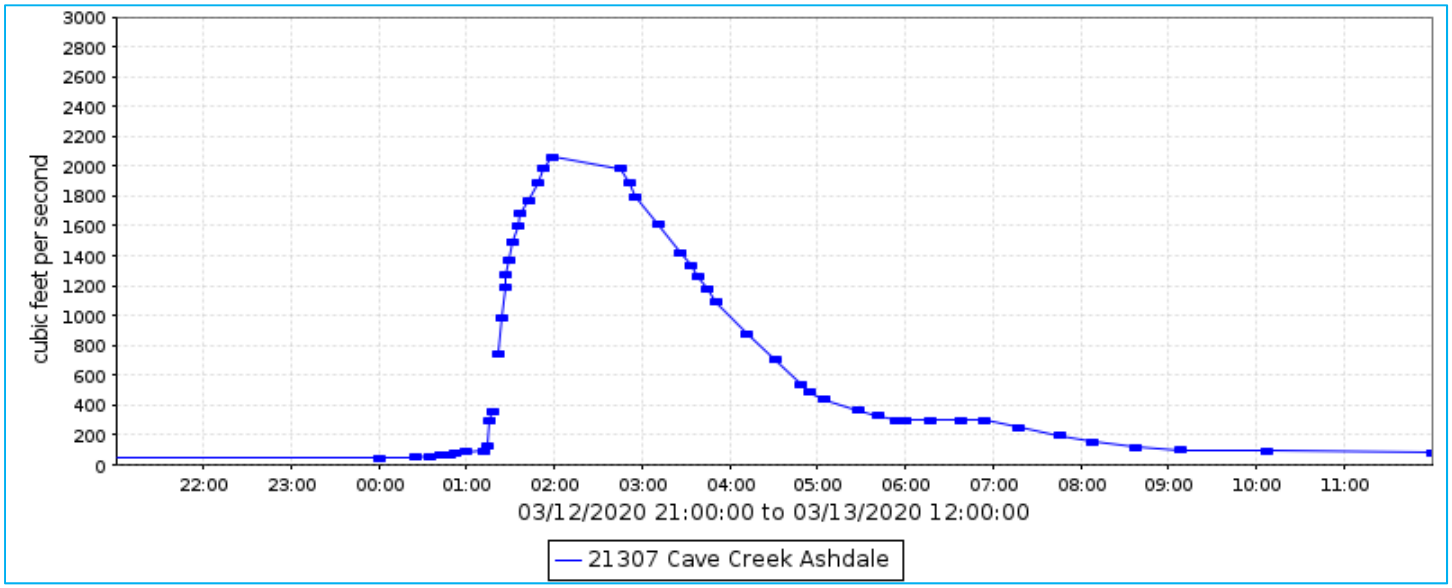




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	2.33	96
11/29/2019	6.39	1,807
12/24/2019	1.61	58
12/25/2019	2.28	93
12/27/2019	1.93	74
03/13/2020	6.77	2,058
03/13/2020	4.60	722
03/18/2020	1.88	71

Hydrograph of peak WY 2020 flow event, 03/13/2020



Flood Flow Frequency

Flood Flow Frequency N=12, HEC-WRC computation (based on 12 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
917	**4,390**	**7,860**	**11,500**	**15,900**	**18,800**

NOTE: Data based on very limited data.

Cave Creek at Ashdale RS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					10							
11												
12						34						
13						453						
14						55						
15												
16												
17												
18						10						
19						42						
20		21										
21												
22												
23												
24			10									
25			47									
26		---	10									
27		---	21									
28		---										
29		267										
30		---			---							
31		---			---		---		---			---
TOTAL	0	284	88	0	10	594	0	0	0	0	0	0
MEAN	0	9	3	0	0	19	0	0	0	0	0	0
MAX	0	1807	93	0	41	2058	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	563	175	0	20	1178	0	0	0	0	0	0

WTR YR 2020 TOTAL 976 MEAN 3 MAX 2058 MIN 0 AC_FT 1936

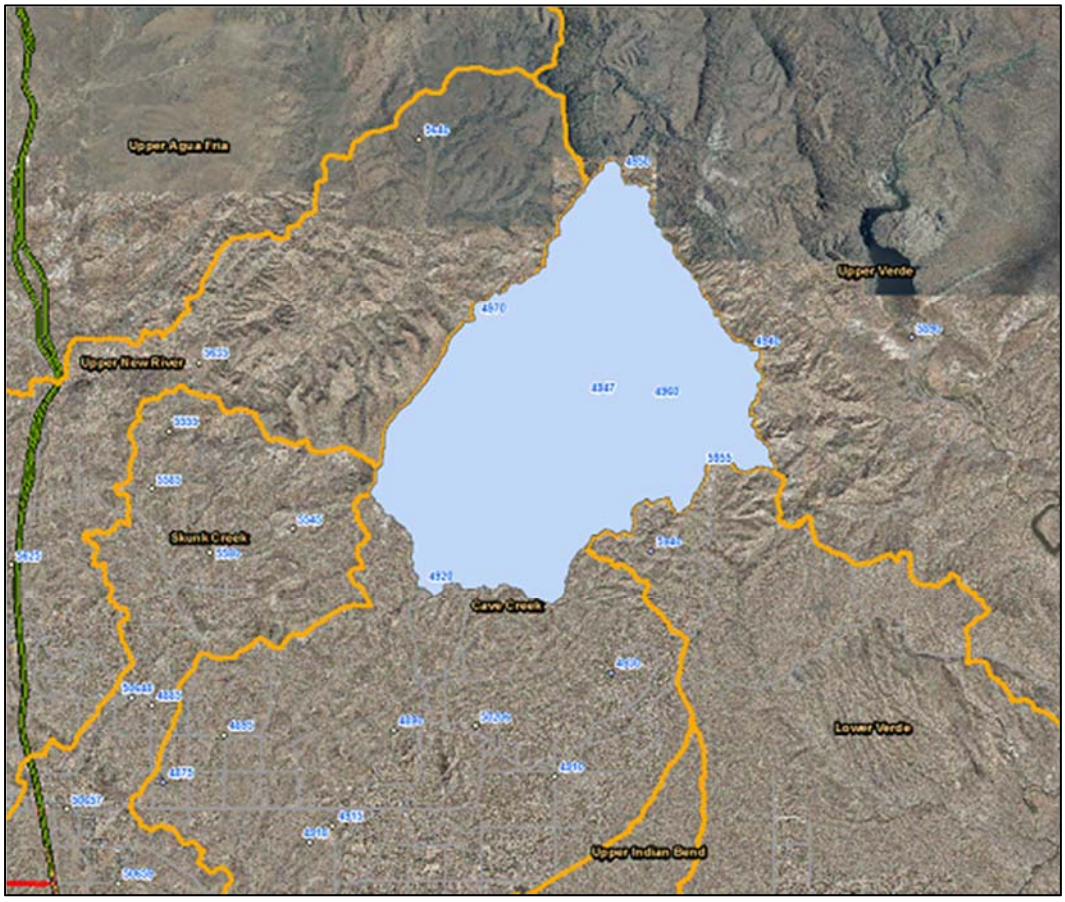
Cave Creek at Spur Cross, ID #20707

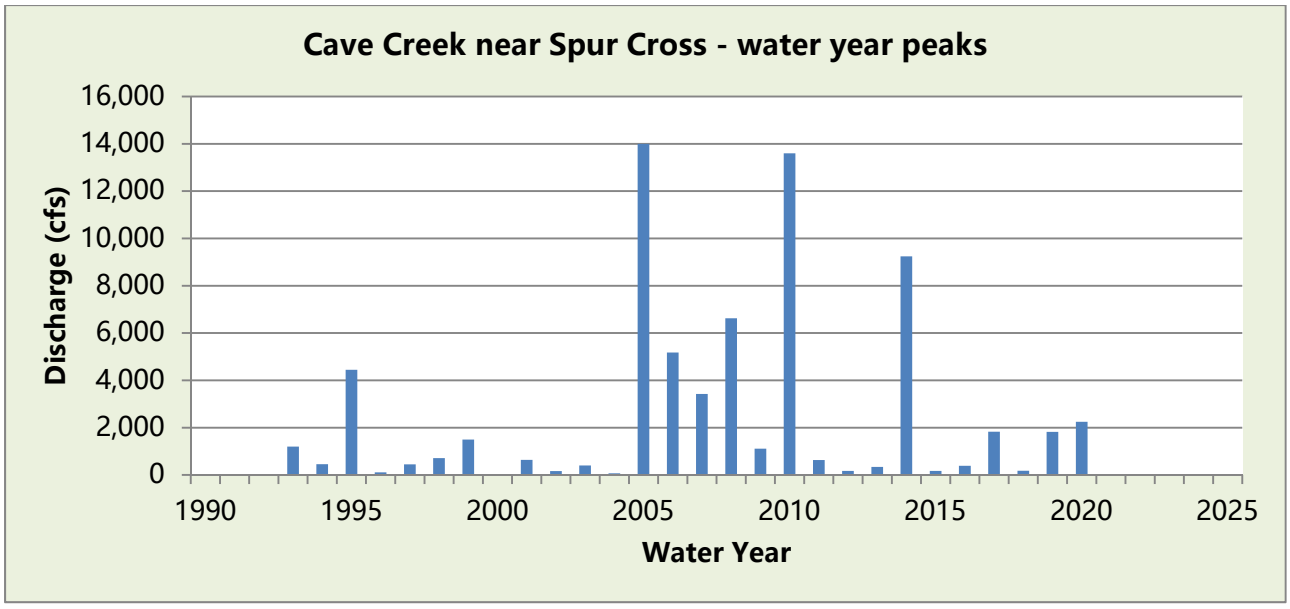


Site Data

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	27.29 Years | 9,969 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	2,260.03 feet NAVD88
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

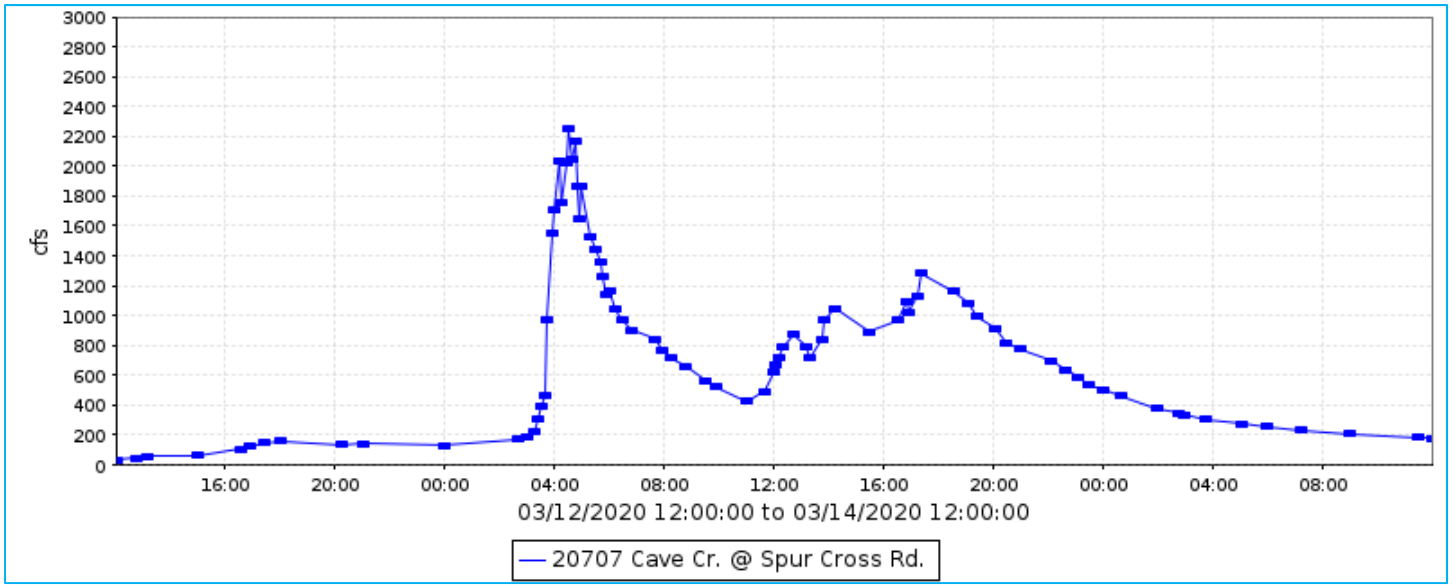




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	7.98	1,974
12/25/2019	5.05	317
12/27/2019	4.64	206
02/11/2020	3.83	60
02/23/2020	3.76	52
03/13/2020	8.33	2,248
03/13/2020	6.96	1,282
03/19/2020	4.49	171
03/19/2020	4.35	142

Hydrograph of peak WY 2020 flow event, 03/13/2020



Flood Flow Frequency

Flood Flow Frequency N=40, HEC-WRC computation (based on 40 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
878	**3,190**	**6,150**	**10,500**	**18,900**	**27,900**

NOTE: These results are based on limited data.

Cave Creek at Spur Cross, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1	1	48	36	15	17	44	20	6	2	3	1
2	1	1	30	32	16	17	44	19	5	2	3	1
3	1	1	27	25	16	17	43	18	4	3	3	1
4	1	1	31	23	16	16	43	18	3	3	2	1
5	1	1	27	20	16	16	43	19	3	3	3	1
6	1	1	24	20	16	15	43	16	2	3	3	1
7	1	1	21	19	16	15	42	15	2	3	3	1
8	1	1	27	18	16	15	43	15	2	3	2	1
9	1	1	30	16	16	15	42	14	2	3	3	1
10	1	1	9	14	16	15	41	14	2	3	3	1
11	1	1	26	14	37	23	41	13	2	2	2	1
12	1	1	24	14	25	70	40	12	2	3	3	1
13	1	1	23	17	20	810	41	9	2	3	2	1
14	1	1	22	21	19	225	42	11	2	3	1	1
15	1	1	22	20	17	87	40	11	2	3	1	1
16	1	1	20	20	17	56	38	11	2	3	1	1
17	1	1	19	20	16	43	39	12	2	3	1	1
18	1	1	20	20	16	41	36	10	2	3	1	1
19	1	1	19	19	15	117	34	9	2	2	1	1
20	1	1	18	19	15	56	35	7	2	3	1	1
21	1	1	18	20	15	1	33	8	2	3	1	1
22	1	7	18	20	20	1	34	8	3	3	1	1
23	1	4	18	20	45	1	33	8	2	3	1	1
24	1	1	32	19	35	31	32	8	2	2	1	1
25	1	1	154	19	26	54	29	8	2	3	1	1
26	1	1	110	17	22	52	28	9	3	3	1	1
27	1	1	151	16	20	48	27	8	3	3	1	1
28	1	1	143	16	19	48	22	8	2	3	1	1
29	1	403	87	16	18	46	23	8	2	3	1	1
30	1	104	60	16	---	43	23	8	2	3	1	1
31	1	---	43	16	---	44	---	7	---	3	1	---
TOTAL	31	541	1323	602	576	2054	1093	362	77	84	51	27
MEAN	1	18	43	19	20	66	36	12	3	3	2	1
MAX	1	1974	317	36	60	2248	50	23	7	4	4	1
MIN	1	1	1	13	14	1	20	6	1	1	1	1
AC_FT	61	1074	2623	1194	1143	4074	2169	718	153	166	102	53

WTR YR 2020 TOTAL 6821 MEAN 19 MAX 2248 MIN 1 AC_FT 13530

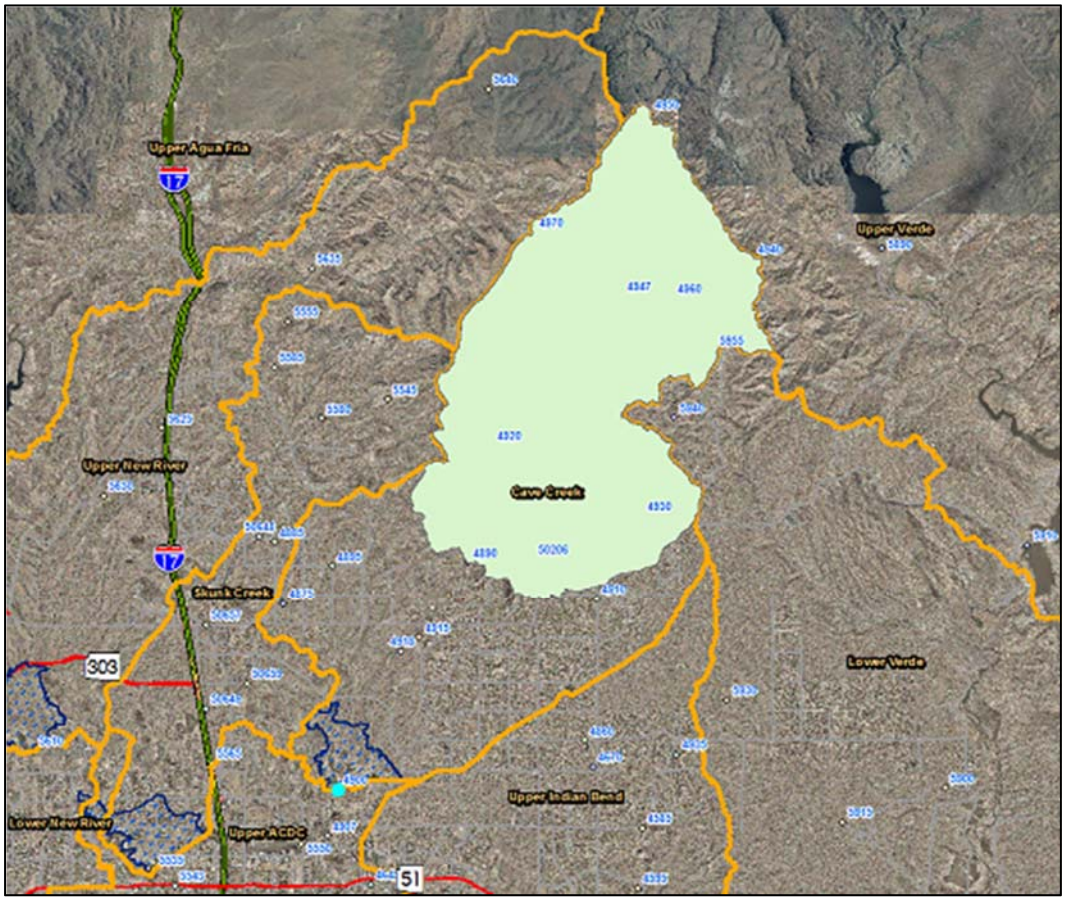
Cave Creek, ID #19007

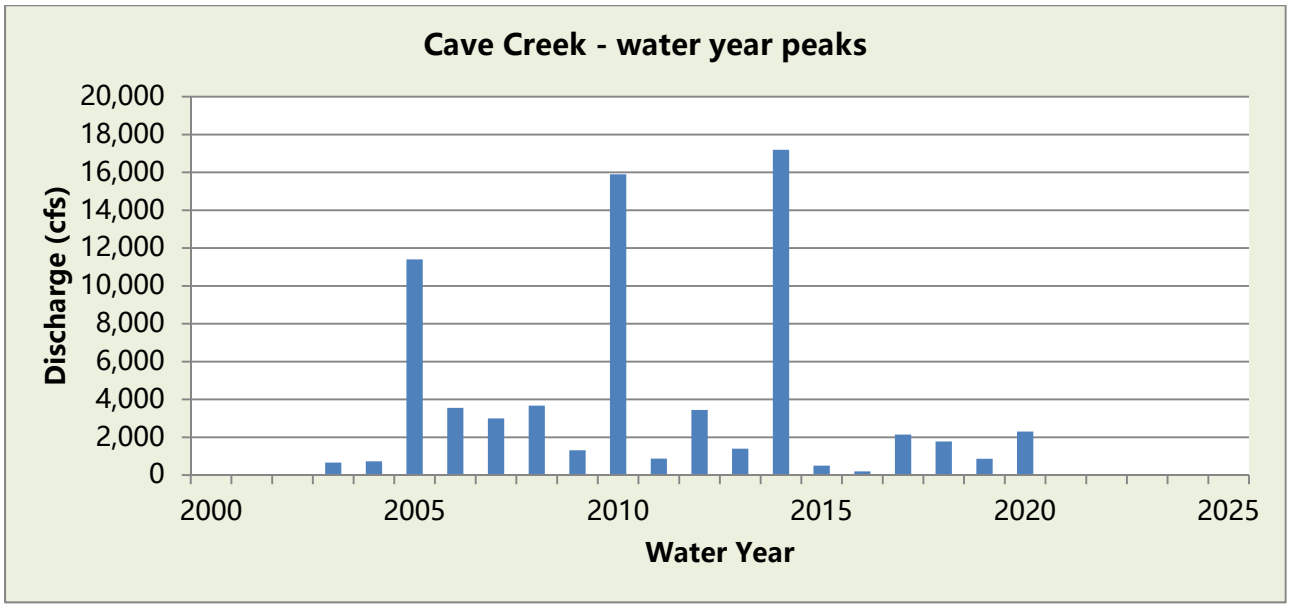


Site Data

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	17.35 Years | 6,336 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

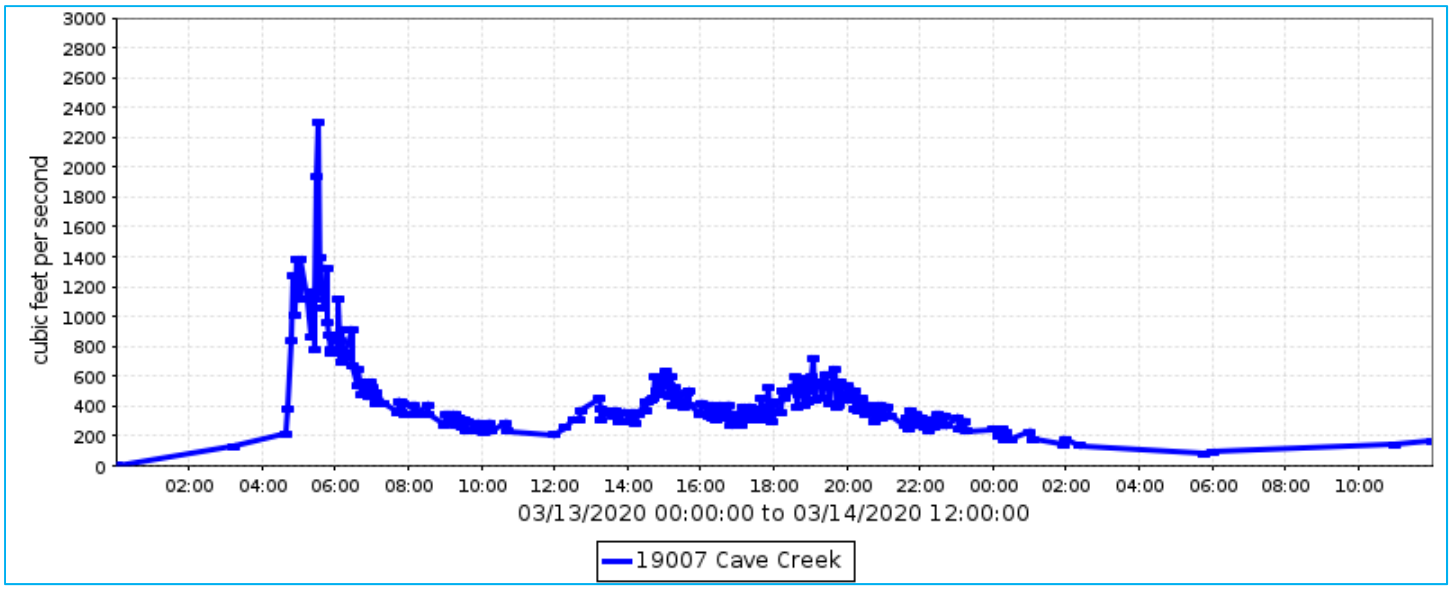




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	4.79	756
11/29/2019	6.07	2,164
12/25/2019	2.15	77
03/13/2020	6.15	2,304
07/24/2020	1.47	12

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
1,840	**5,260**	**9,410**	**15,400**	**27,500**	**40,800**

NOTE: These results are based on limited data.

Cave Creek, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			7	1	2	2	2					
2			5	1	2	2	2					
3			5	1	2	2	2					
4			7	1	2	2	2					
5			5	1	2	2	2					
6			3	1	2	2	2					
7			3	1	2	2	2					
8			4	1	2	2	2					
9			6	1	2	2	2					
10			3	1	2	2	2					
11			3	1	2	2	2					
12			2	1	2	2	2					
13			3	1	2	347	2					
14			2	1	2	158	2					
15			3	1	2	12	2					
16			1	1	2	2	2					
17			1	1	2	2	2					
18			2	1	2	2	2					
19			1	1	2	2	2					
20		96	4	1	2	2	2					
21		19	6	1	2	2	2					
22		9	5	1	2	2	2					
23		4	3	1	2	2	2					
24		1	5	1	2	2	2					
25			20	1	2	2	2					
26			12	1	2	2	2					
27			14	1	2	2	2					
28			12	1	2	2	2					
29		222	6	1	2	2						
30		19	5	1	---	2						
31		---	1	2	---	2	---		---			---
TOTAL	0	370	158	32	58	573	56	0	0	0	0	0
MEAN	0	13	5	1	2	18	2	0	0	0	0	0
MAX	0	2164	77	2	2	2304	2	0	0	12	0	0
MIN	0	0	0	1	2	2	0	0	0	0	0	0
AC_FT	0	733	313	63	115	1136	111	0	0	1	0	0

WTR YR 2020 TOTAL 1247 MEAN 3 MAX 2304 MIN 0 AC_FT 2473

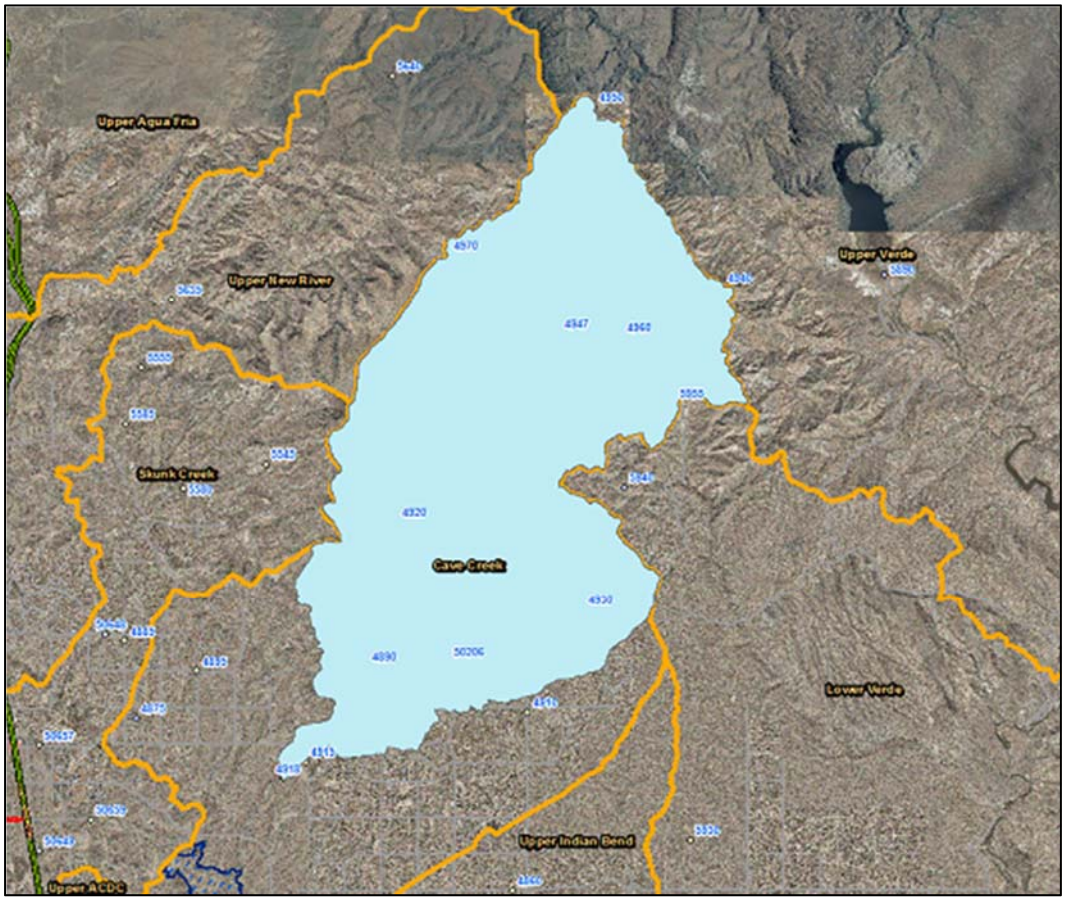
Cave Creek near Cave Creek, ID #20507

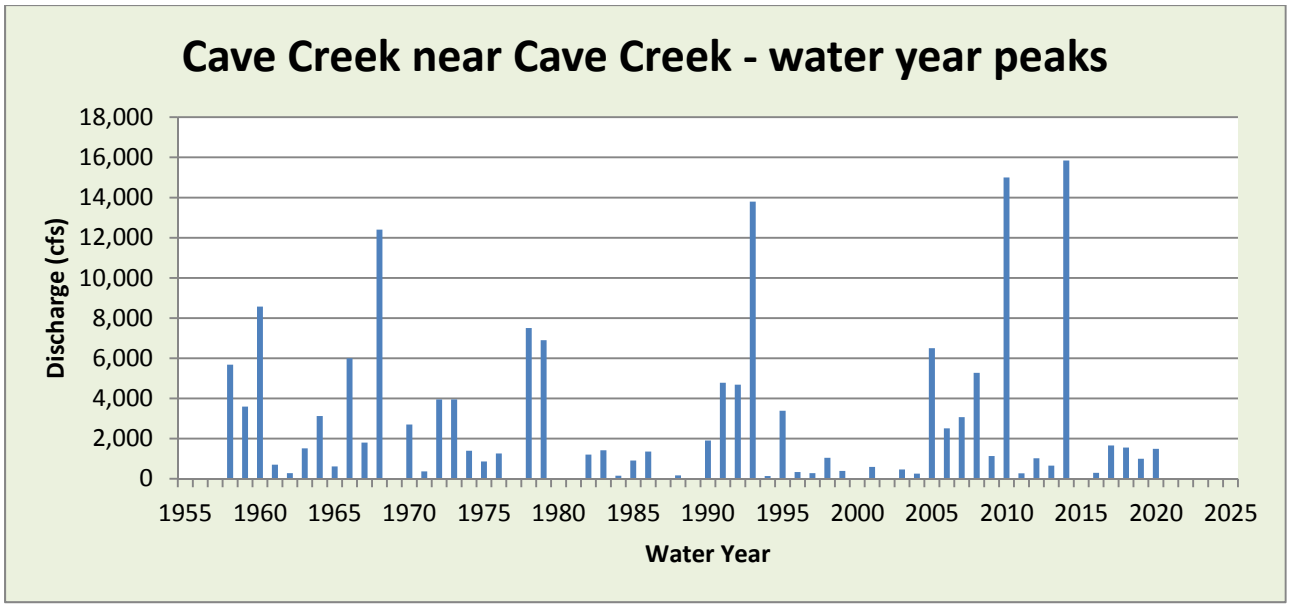


Site Data

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	26.35 Years | 9,624 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

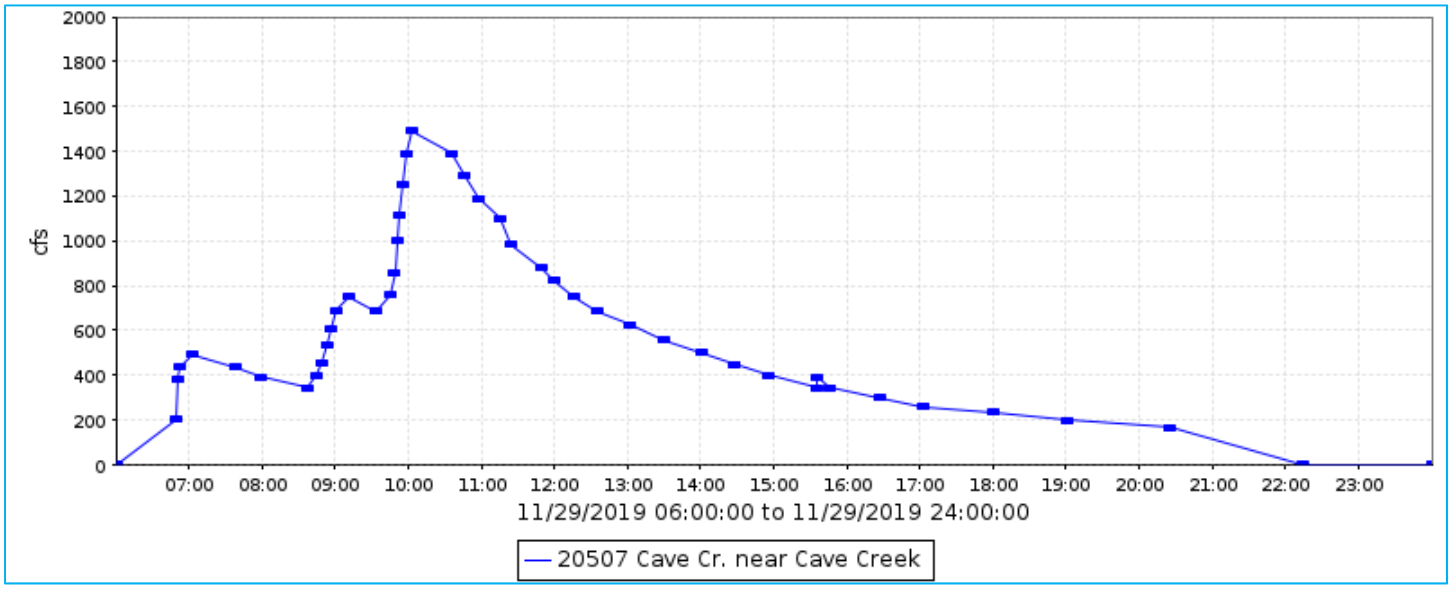




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	2.58	823
11/29/2019	3.45	1,491
12/25/2019	0.91	159
03/13/2020	3.40	1,449

Hydrograph of peak WY 2020 flow event, 11/29/2019



Flood Flow Frequency

Flood Flow Frequency N=62, HEC-WRC computation (based on 62 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,210	**3,830**	**6,880**	**11,100**	**18,800**	**26,600**

Cave Creek near Cave Creek, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						463						
14						100						
15												
16												
17												
18												
19												
20		144										
21		20										
22												
23												
24												
25			19									
26												
27												
28												
29		324										
30					---							
31		---			---		---		---			---
TOTAL	0	489	19	0	0	564	0	0	0	0	0	0
MEAN	0	16	1	0	0	18	0	0	0	0	0	0
MAX	0	1491	159	0	0	1449	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	969	37	0	0	1118	0	0	0	0	0	0

WTR YR 2020 TOTAL 1071 MEAN 3 MAX 1491 MIN 0 AC_FT 2124

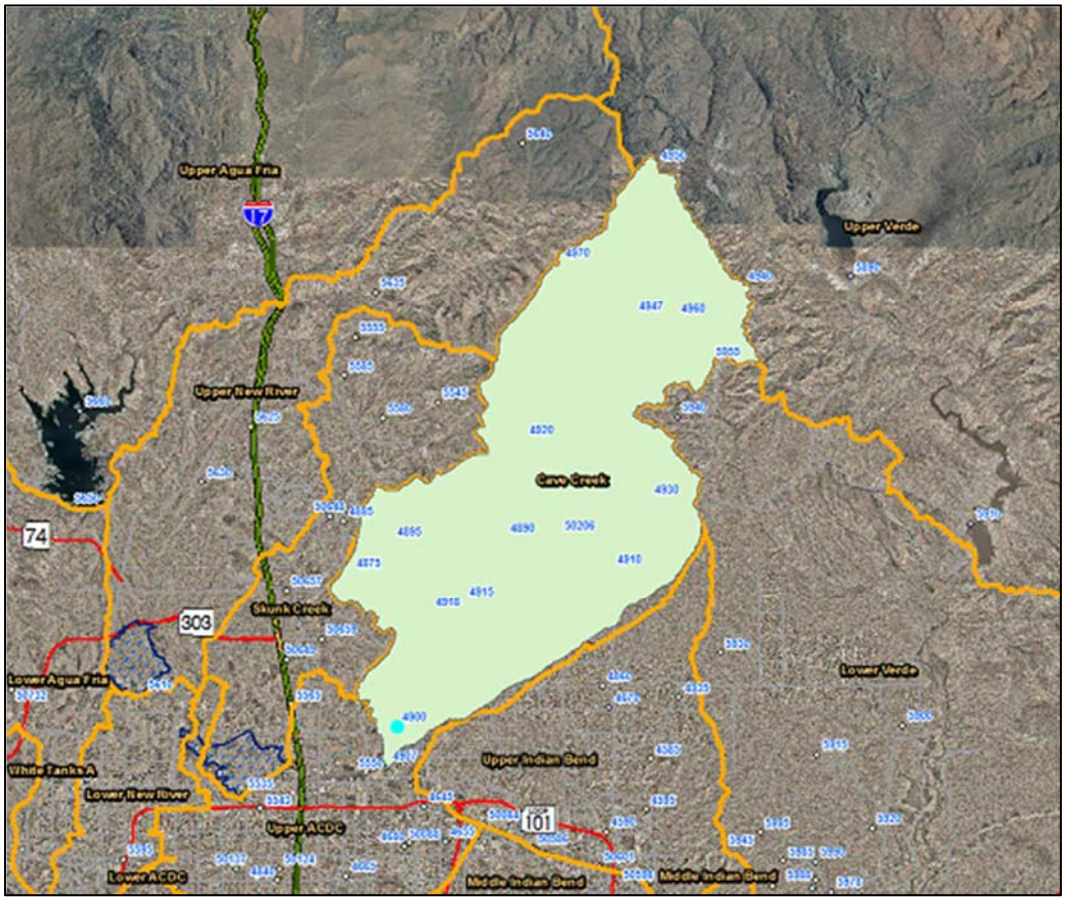
Cave Creek at CAP, ID #19807

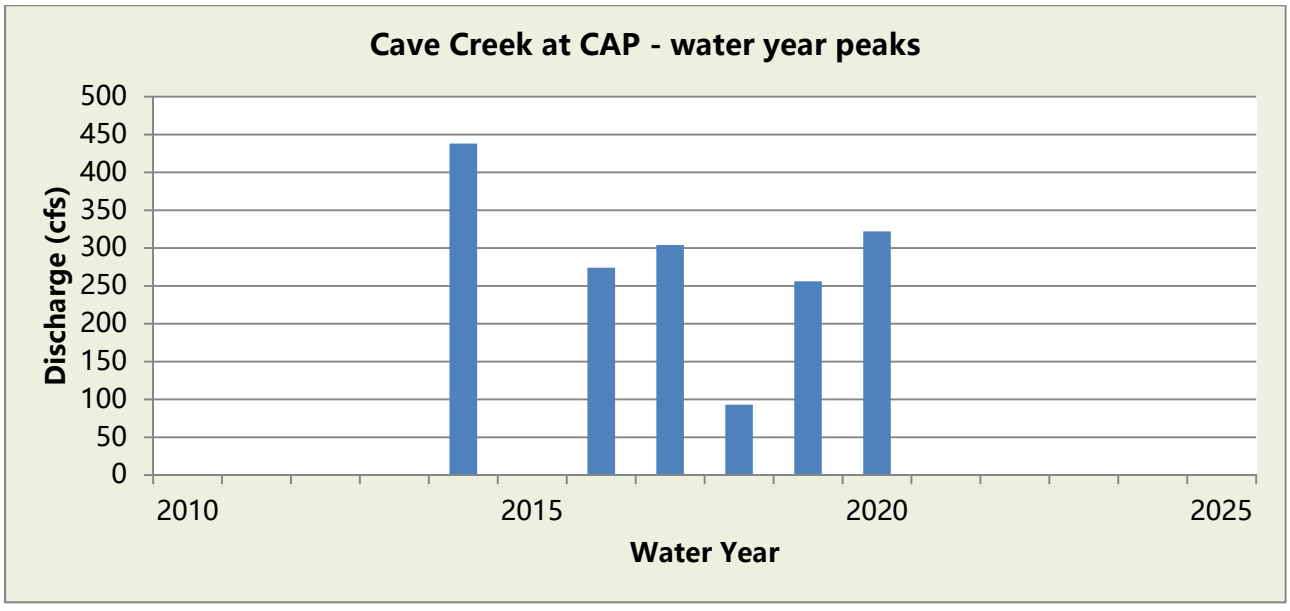


Site Data

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	6.47 Years | 2,362 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

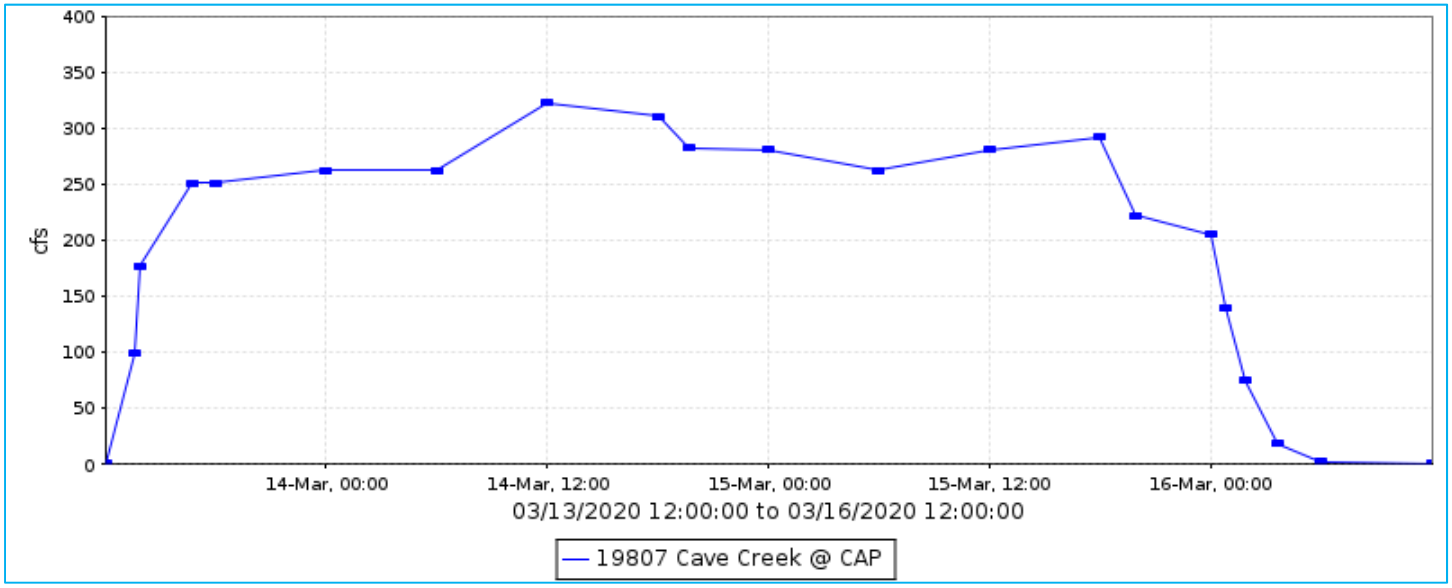




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/21/2019	0.59	233
11/30/2019	0.72	310
03/14/2020	0.74	322

Hydrograph of peak WY 2020 flow event, 03/14/2020



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			44									
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13						98						
14						284						
15						267						
16						21						
17												
18												
19												
20		46										
21		231										
22		25										
23												
24												
25												
26												
27												
28												
29		135										
30		247			---							
31		---			---		---		---			---
TOTAL	0	683	44	0	0	670	0	0	0	0	0	0
MEAN	0	23	1	0	0	22	0	0	0	0	0	0
MAX	0	310	123	0	0	322	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1354	86	0	0	1328	0	0	0	0	0	0

WTR YR 2020 TOTAL 1396 MEAN 4 MAX 322 MIN 0 AC_FT 2769

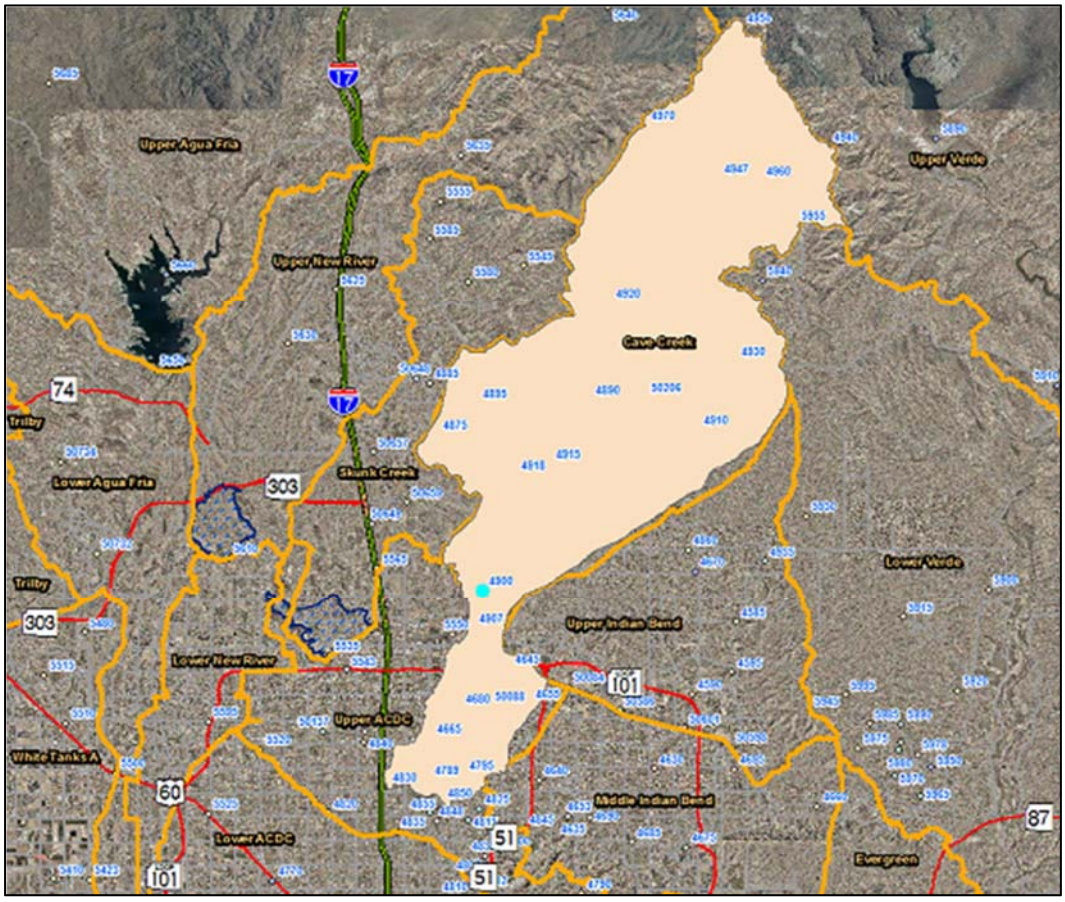
Cave Creek at Cactus Road – ID #11807

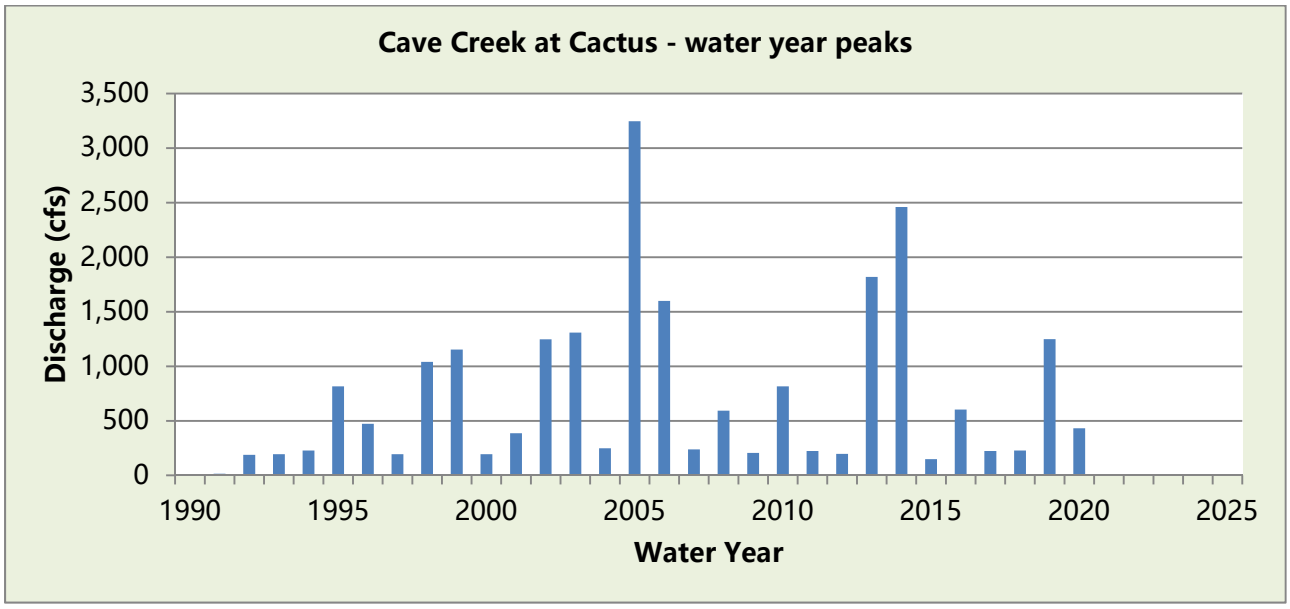


Site Data

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	29.26 Years | 10,689 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

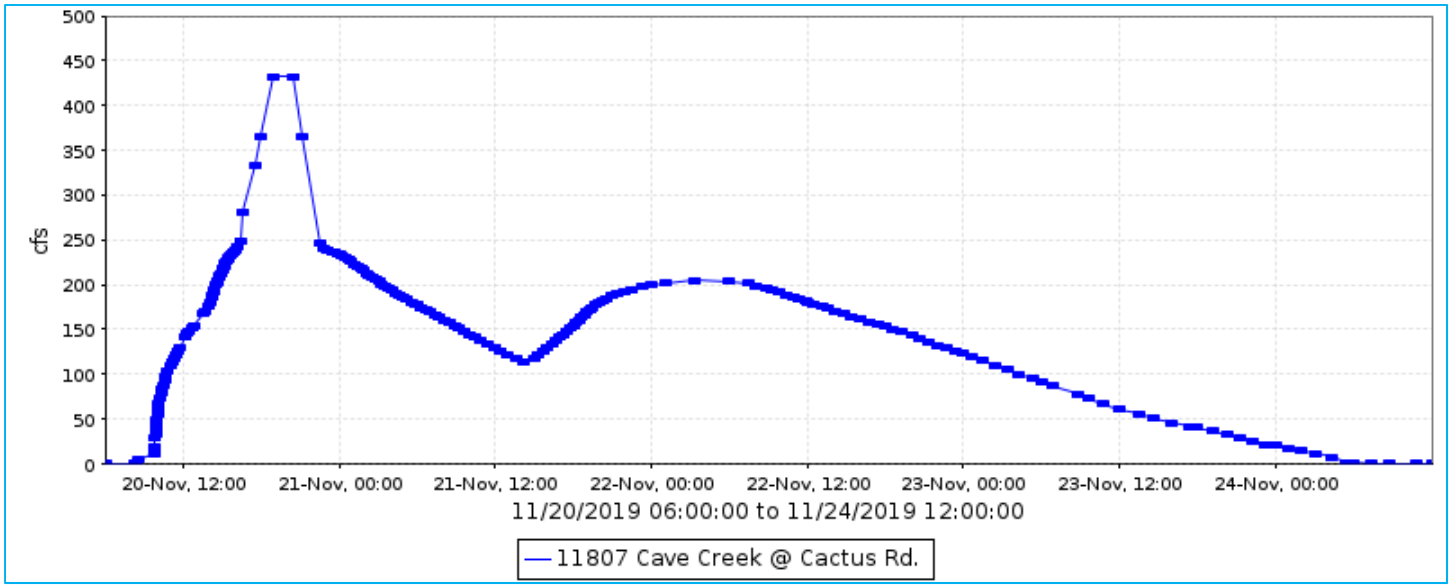




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	10.41	432
11/22/2019	7.70	204
11/29/2019	7.82	206
12/01/2019	7.97	209
12/25/2019	3.39	90
12/28/2019	1.94	33
02/11/2020	4.28	123
02/22/2020	6.18	174
03/13/2020	10.27	356

Hydrograph of peak WY 2020 flow event, 11/20/2019



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**
463	**1,050**	**1,670**	**2,510**	**4,050**	**5,650**

NOTE: These results are based on limited data.

Cave Creek at Cactus Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2		182									
2			36									
3												
4												
5												
6												
7												
8												
9												
10												
11					49	20						
12						100						
13						207						
14						203						
15						242						
16						196						
17						89						
18						33						
19						49						
20		152				19						
21		167				1						
22		176			87							
23		68			62							
24		3			4							
25			48									
26			25									
27			1									
28			20									
29		120										
30		167			---							
31		---			---		---		---			---
TOTAL	2	854	311	0	202	1160	0	0	0	0	0	0
MEAN	0	28	10	0	7	37	0	0	0	0	0	0
MAX	4	432	208	0	174	356	0	0	0	0	0	0
MIN	---	0	0	0	0	0	0	0	0	0	0	0
AC_FT	4	1693	616	0	400	2300	0	0	0	0	0	0

WTR YR 2020 TOTAL 2528 MEAN 7 MAX 432 MIN 0 AC_FT 5014

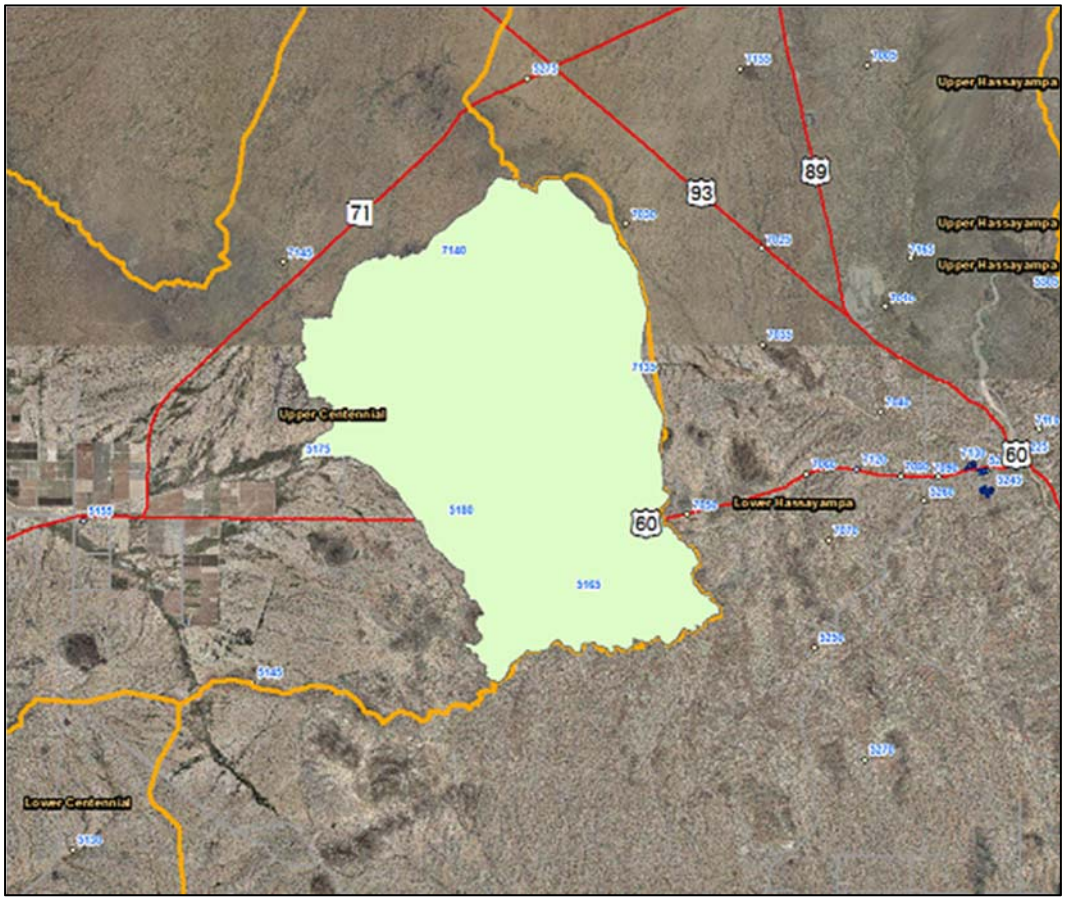
Centennial Wash near Aguila, ID #29007

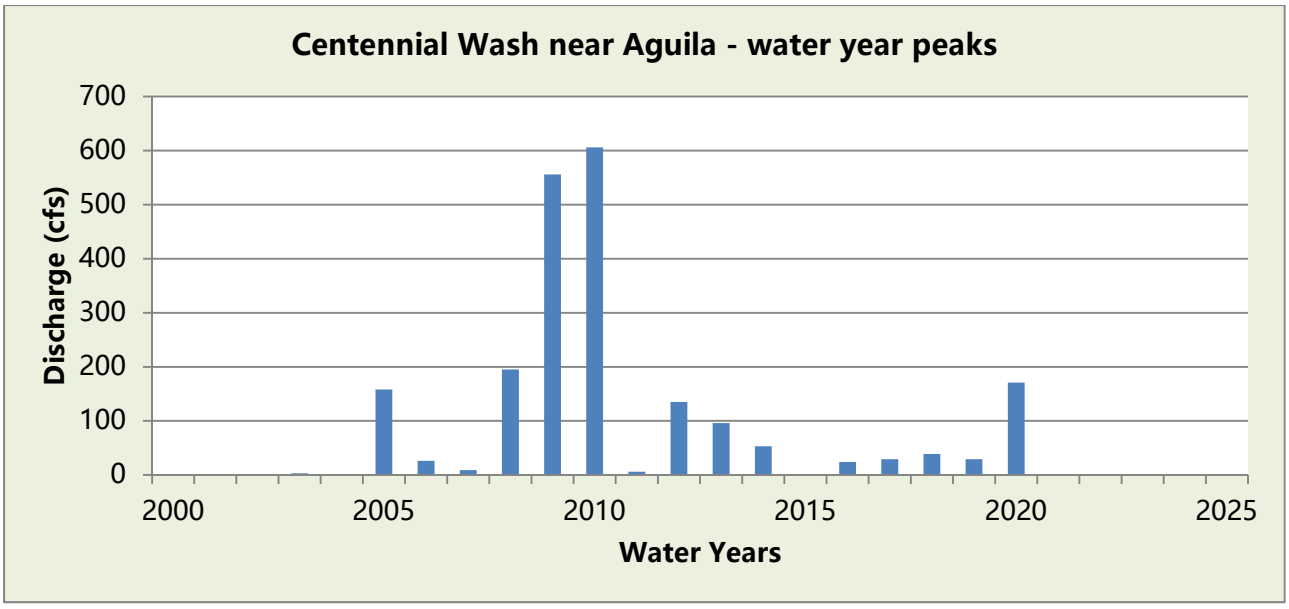


Site Data

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	19.32 Years | 7,058 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

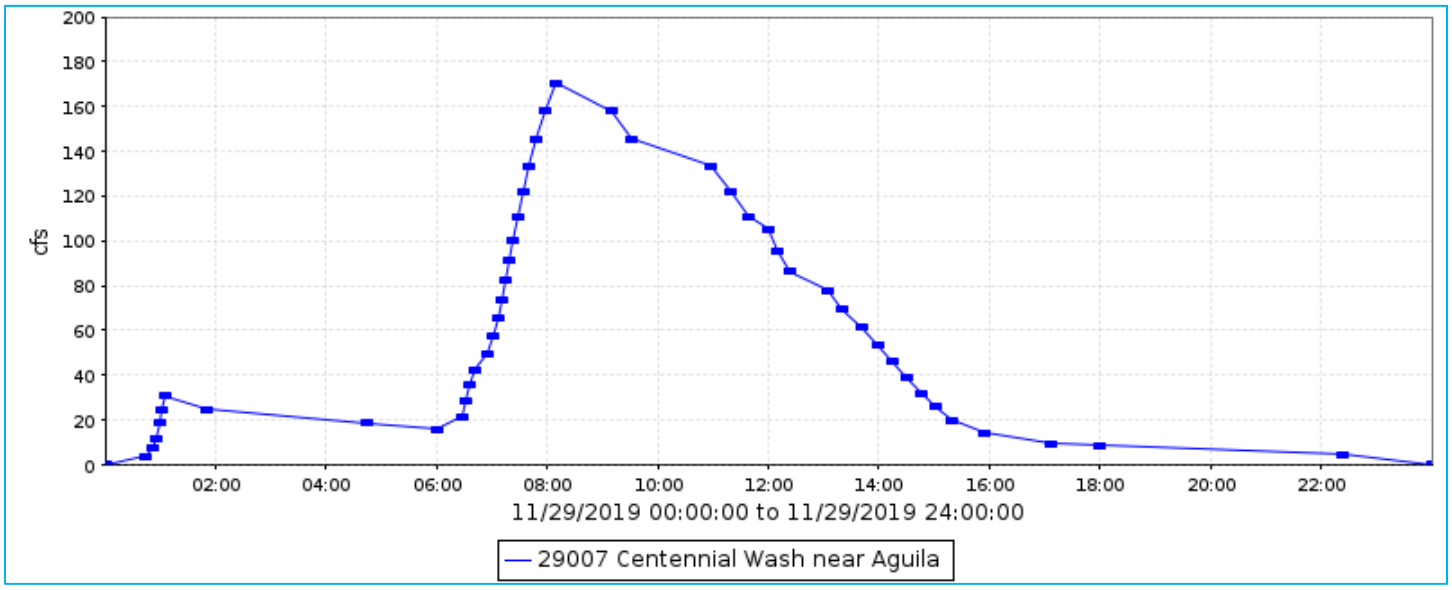




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	0.55	23
11/21/2019	0.78	37
11/29/2019	2.15	171
12/24/2019	0.38	13
03/13/2020	1.00	53
03/19/2020	0.75	35

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
34	**147**	**299**	**523**	**953**	**1,400**

Centennial Wash near Aguila, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						14						
12						33						
13						26						
14						27						
15						9						
16												
17												
18						7						
19						24						
20		13				8						
21		8										
22												
23												
24			5									
25			1									
26												
27												
28												
29		48										
30					---							
31		---			---		---		---			---
TOTAL	0	70	6	0	0	148	0	0	0	0	0	0
MEAN	0	2	0	0	0	5	0	0	0	0	0	0
MAX	0	171	13	0	0	53	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	138	12	0	0	293	0	0	0	0	0	0

WTR YR 2020 TOTAL 223 MEAN 1 MAX 171 MIN 0 AC_FT 443

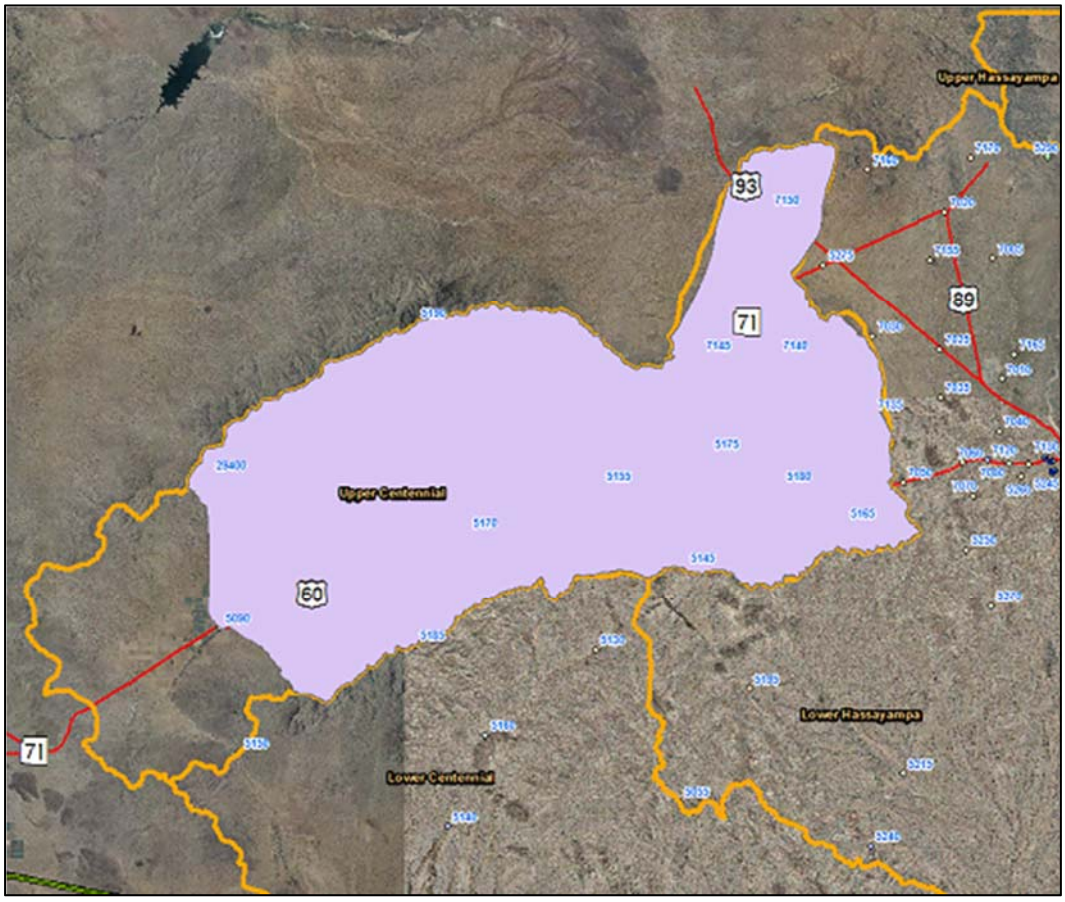
Centennial Wash at Wenden, ID #27507

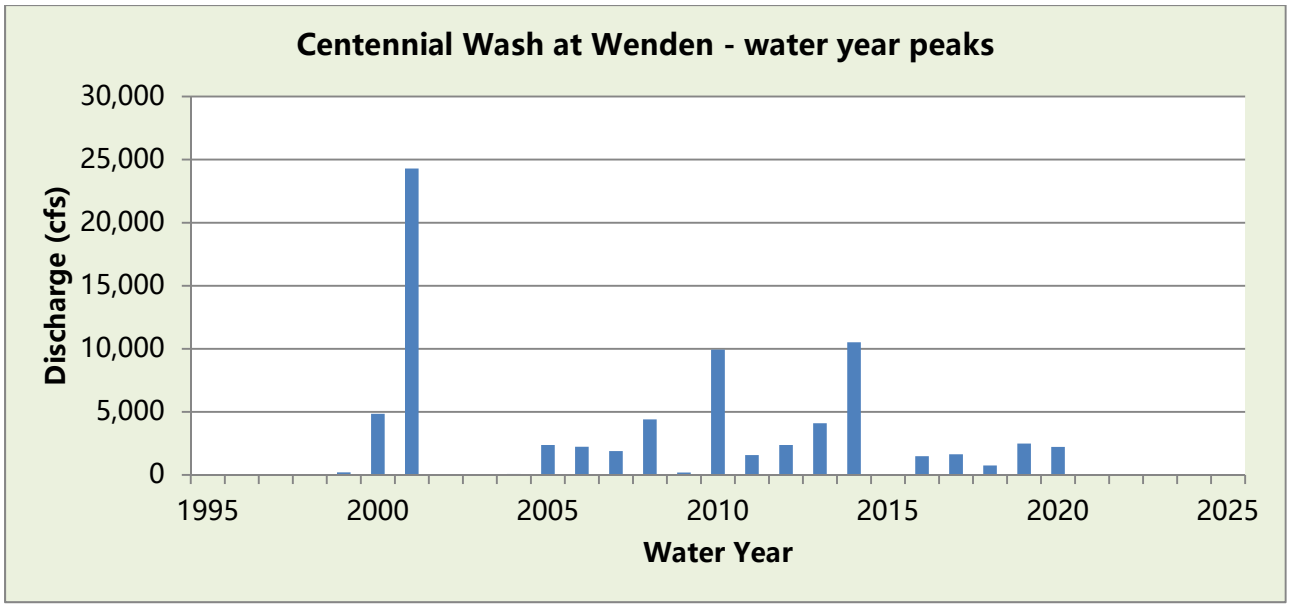


Site Data

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

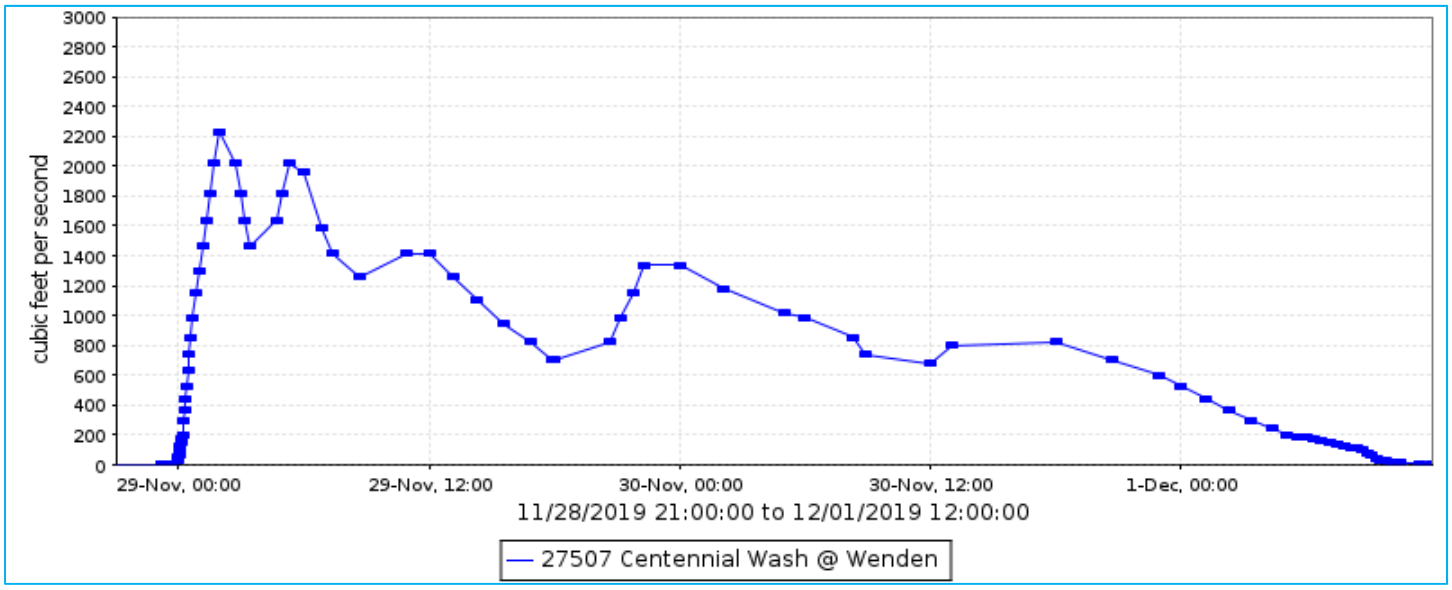




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/21/2019	1.44	114
11/29/2019	3.86	2,229
03/12/2020	2.49	331
03/12/2020	3.14	985
03/14/2020	2.84	629
03/18/2020	2.54	364

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
1,680	**5,570**	**9,440**	**13,900**	**20,500**	**25,800**

NOTE: These results are based on limited data.

Centennial Wash at Wenden, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			113									
2			1									
3												
4												
5												
6												
7												
8												
9												
10												
11												
12						87						
13						301				---		
14						324				---		
15						2						
16												
17												
18						30						
19						18						
20												
21		27										
22												
23												
24												
25												
26										---		
27		1										
28		1										
29		1277										
30		891			---							
31		---			---		---		---			---
TOTAL	0	2199	123	0	0	762	1	0	0	0	0	0
MEAN	0	73	4	0	0	25	0	0	0	0	0	0
MAX	0	2229	440	0	0	985	8	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	4361	244	0	0	1511	2	0	0	0	0	0

WTR YR 2020 TOTAL 3085 MEAN 8 MAX 2229 MIN 0 AC_FT 6118

Centennial Levee, ID #25707

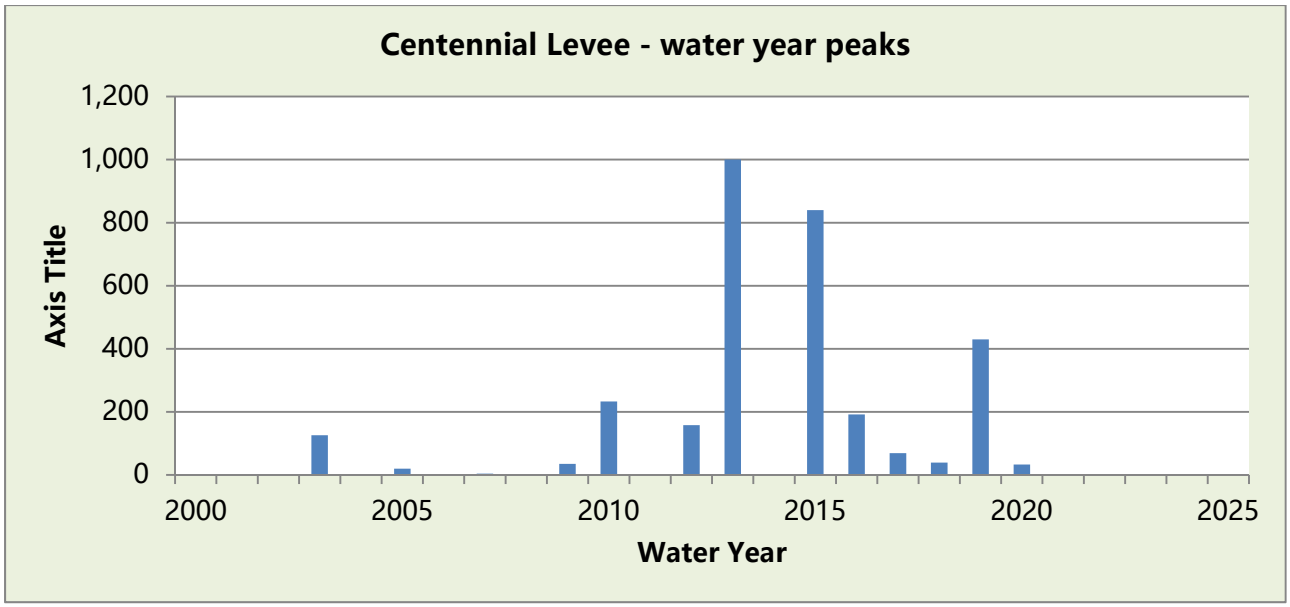


Site Data

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	17.23 Years | 6,294 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

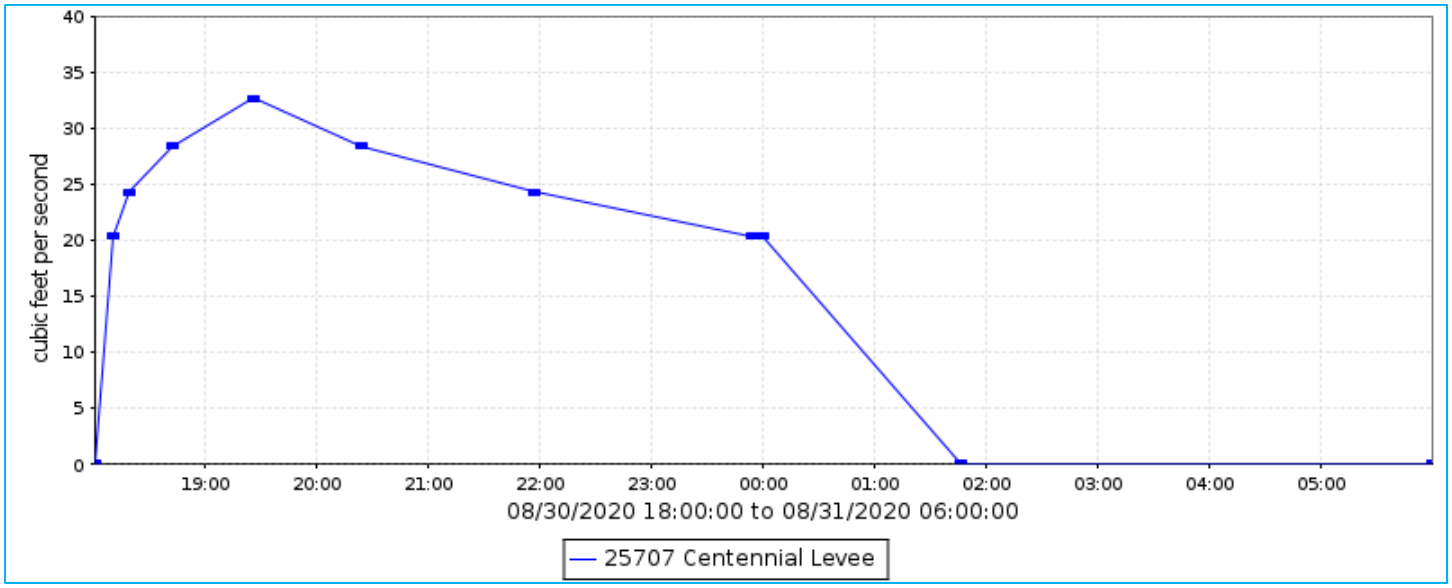




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/30/2020	1.05	33

Hydrograph of peak WY 2020 flow event, 08/30/2020



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**
51	**235**	**498**	**904**	**1,730**	**2,620**

Centennial Levee, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					---						7	
31		---			---		---		---		2	---
TOTAL	0	0	0	0	0	0	0	0	0	0	8	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	33	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	16	0

WTR YR 2020 TOTAL 8 MEAN 0 MAX 33 MIN 0 AC_FT 16

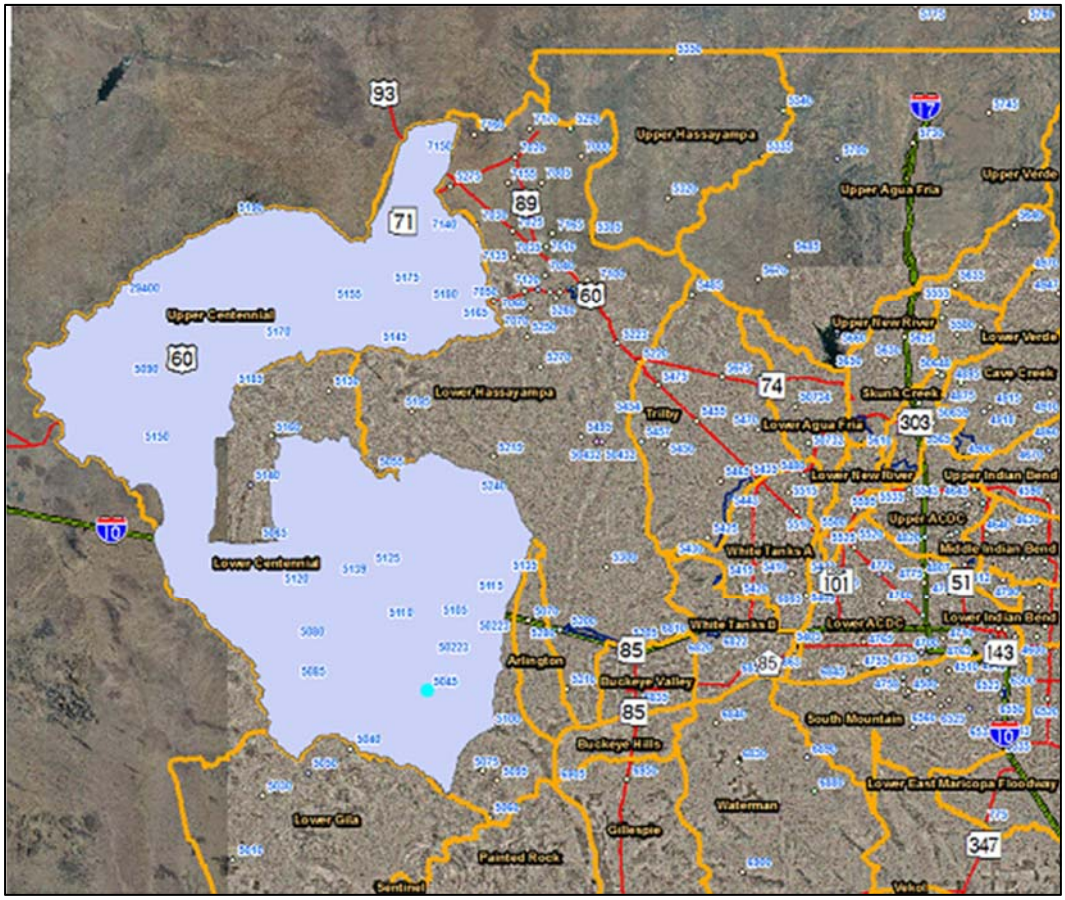
Centennial Wash at UPRR, ID #24707

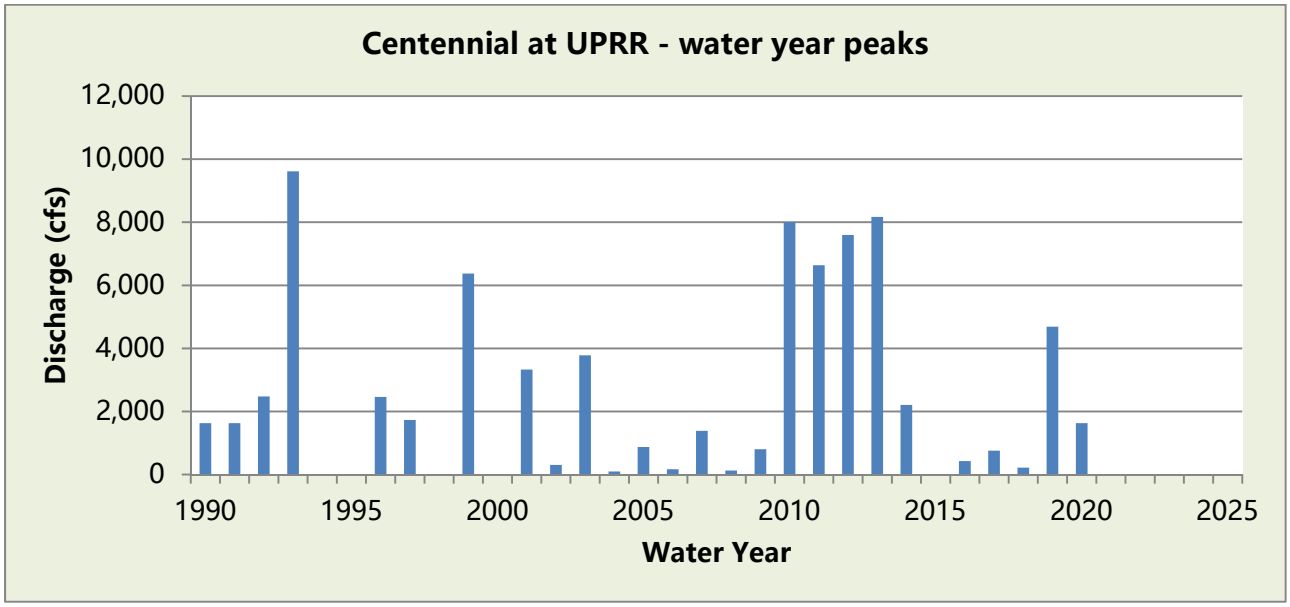


Site Data

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	30.64 Years | 11,192 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

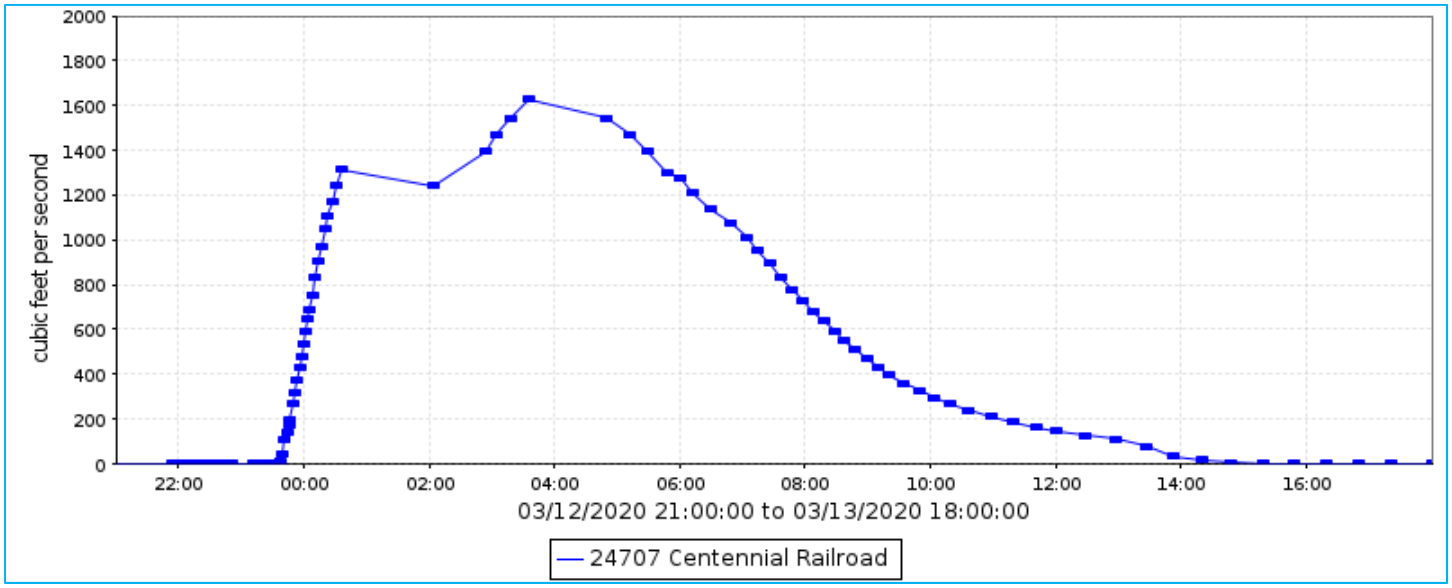




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	7.89	278
03/13/2020	10.50	1,628

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
1,220	**4,110**	**7,080**	**10,600**	**16,000**	**20,400**

NOTE: These results are based on limited data.

Centennial Wash at SPRR, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						4						
13						501						
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		42										
30					---							
31		---			---		---		---			---
TOTAL	0	42	0	0	0	505	0	0	0	0	0	0
MEAN	0	1	0	0	0	16	0	0	0	0	0	0
MAX	0	278	0	0	0	1628	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	83	0	0	0	1002	0	0	0	0	0	0

WTR YR 2020 TOTAL 547 MEAN 1 MAX 1628 MIN 0 AC_FT 1085

Centennial Tributary at Dobbins Road, ID #22807

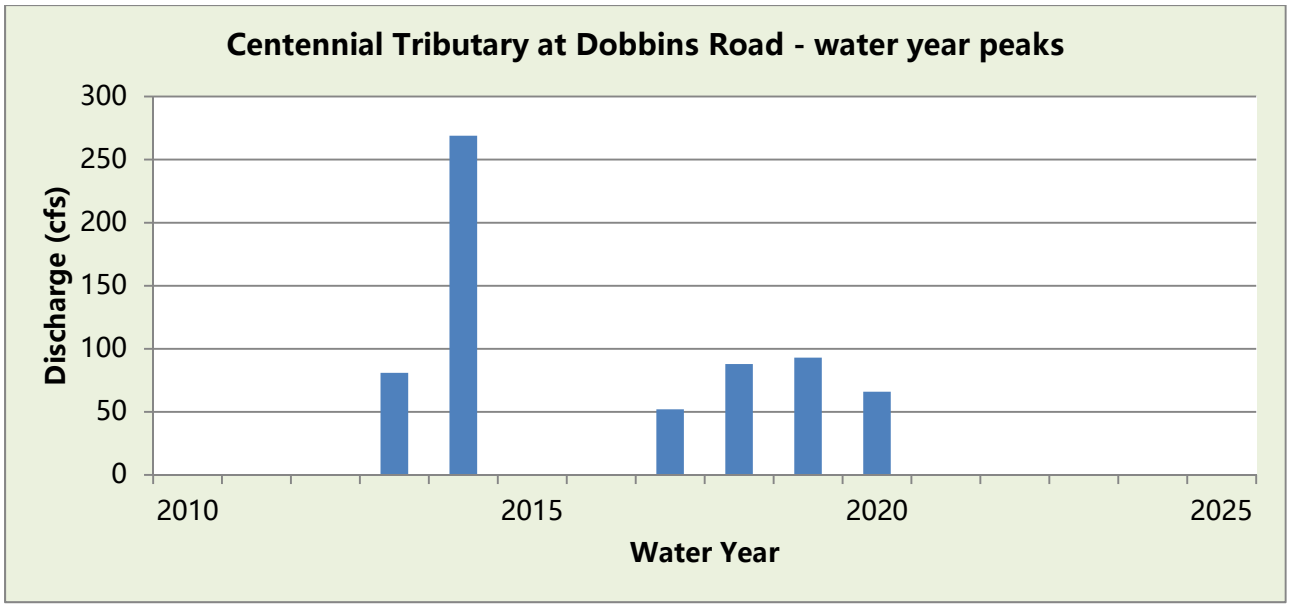


Site Data

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	8.00 Years | 2,922 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	1,006.16 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





WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/29/2019	1.75	65
03/13/2020	1.76	66

Hydrograph of peak WY 2020 flow event, 03/13/2020

Hydrograph not available due to gage failure on both events in Water Year 2020.

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 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

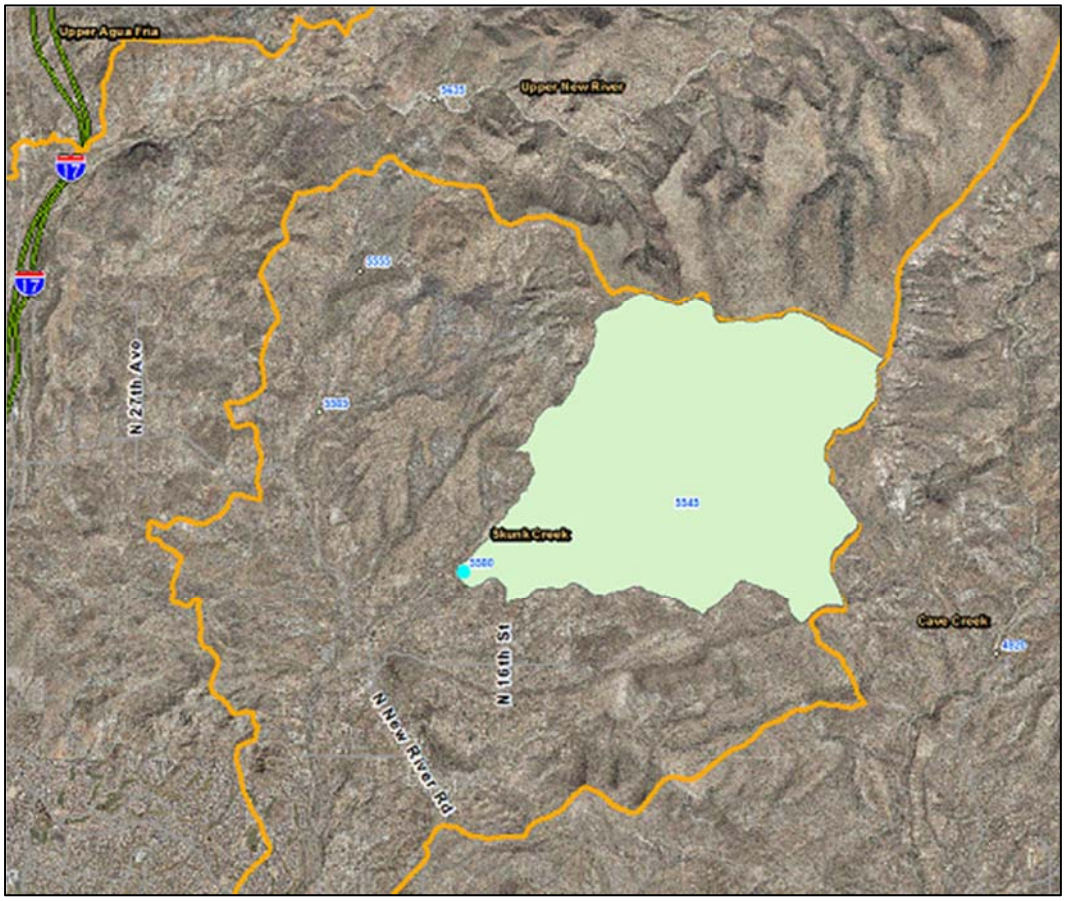
Cline Creek, ID #66007

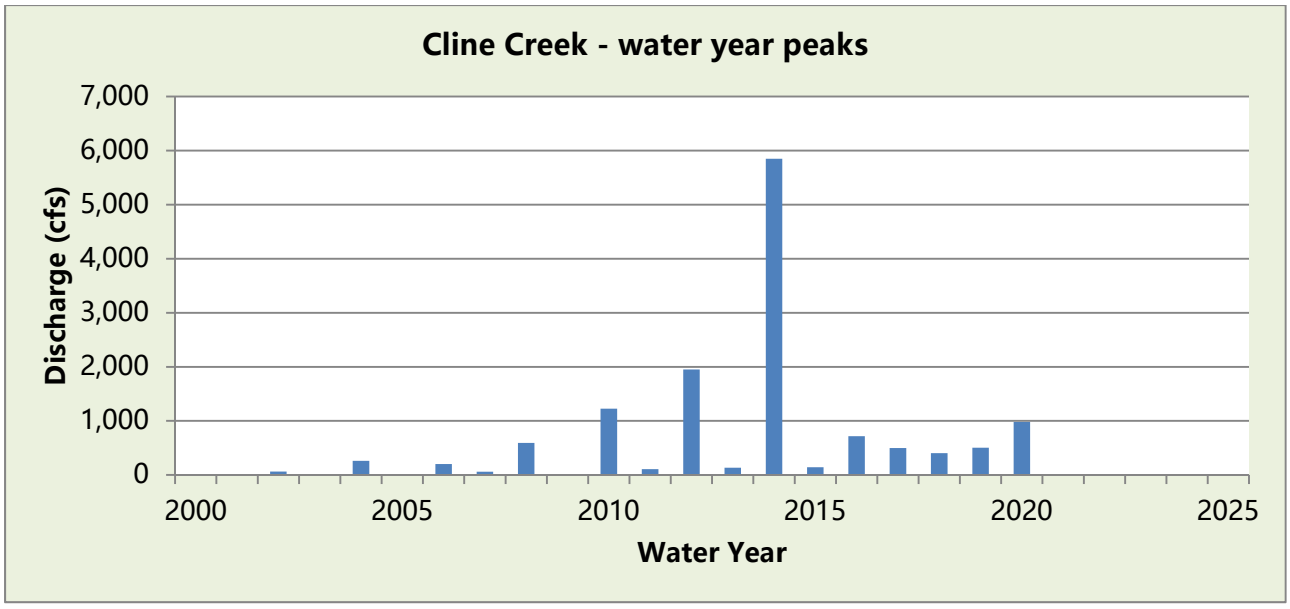


Site Data

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	18.86 Years | 6,890 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

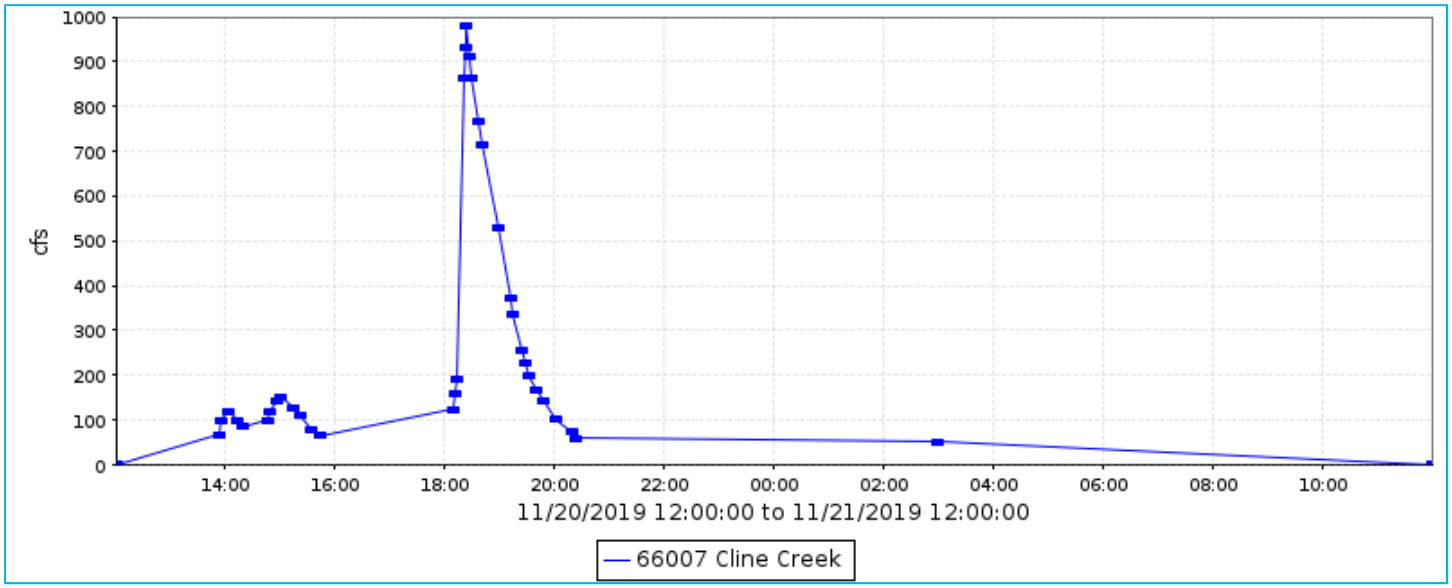




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	4.26	982
11/21/2019	1.34	86
11/29/2019	2.52	372
12/05/2019	1.40	94
02/22/2020	1.35	87
08/30/2020	1.06	52

Hydrograph of peak WY 2020 flow event, 11/20/2019



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**
247	**1,120**	**2,130**	**3,400**	**5,360**	**7,000**

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

Cline Creek, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5			10									
6												
7												
8												
9												
10												
11	---											
12	---											---
13	---											
14	---											
15	---											
16	---											
17												
18												
19												
20		59										
21		45										
22		13			18							
23												
24			6									
25												
26												
27												
28												
29		64										
30					---						1	
31		---			---		---		---			---
TOTAL	0	182	17	0	18	0	0	0	0	0	1	0
MEAN	0	6	1	0	1	0	0	0	0	0	0	0
MAX	0	982	94	0	87	0	0	0	0	0	52	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	360	33	0	35	0	0	0	0	0	1	0

WTR YR 2020 TOTAL 217 MEAN 1 MAX 982 MIN 0 AC_FT 430

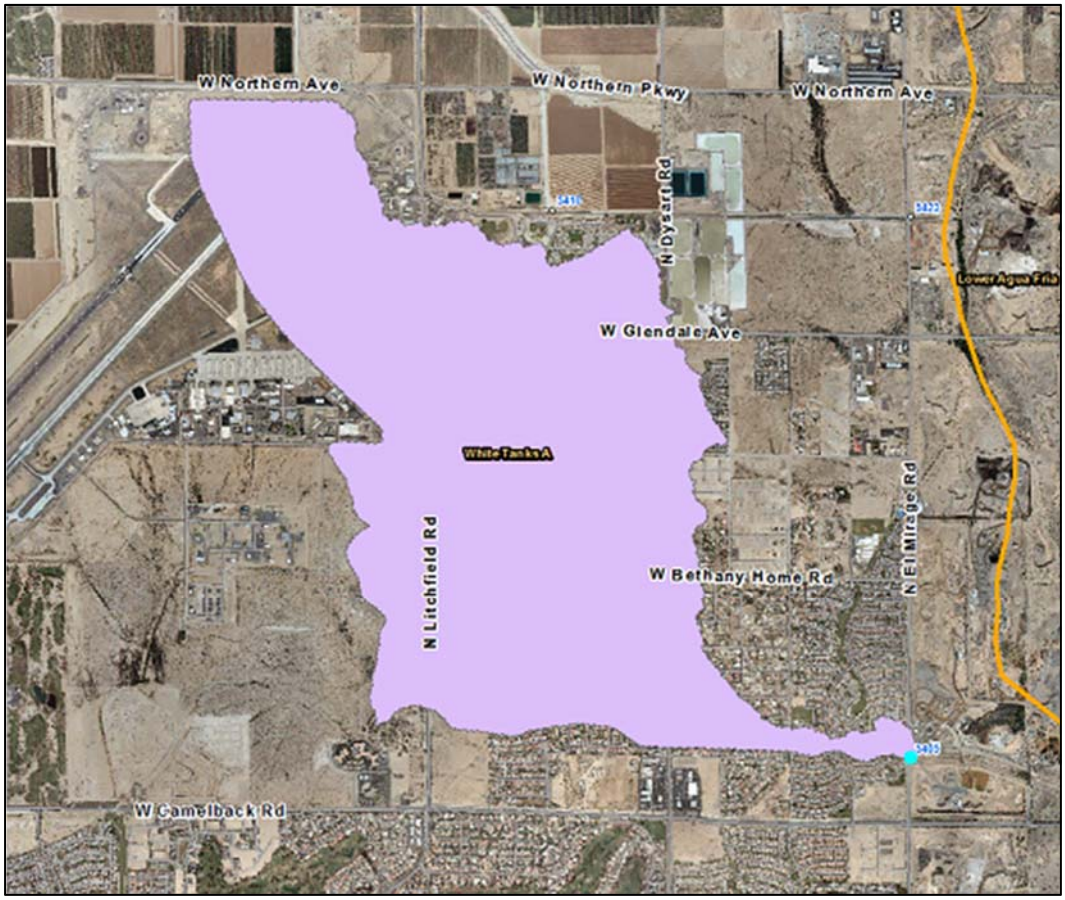
Colter Channel at El Mirage Road, ID #85507

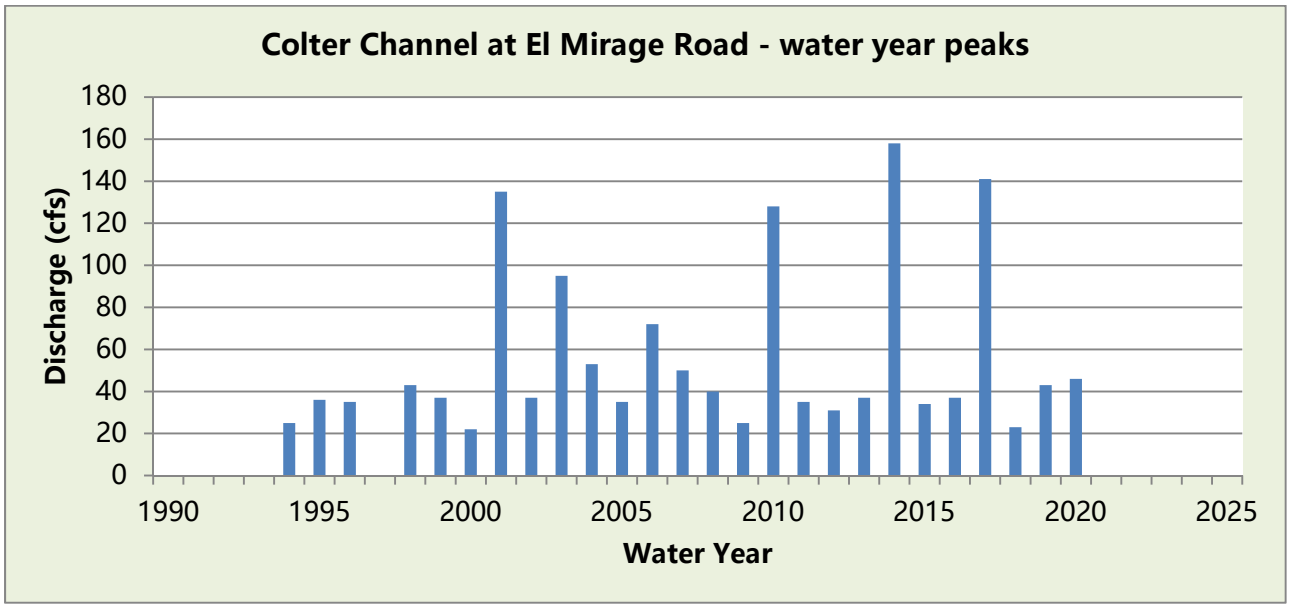


Site Data

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	26.26 Years | 9,591 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

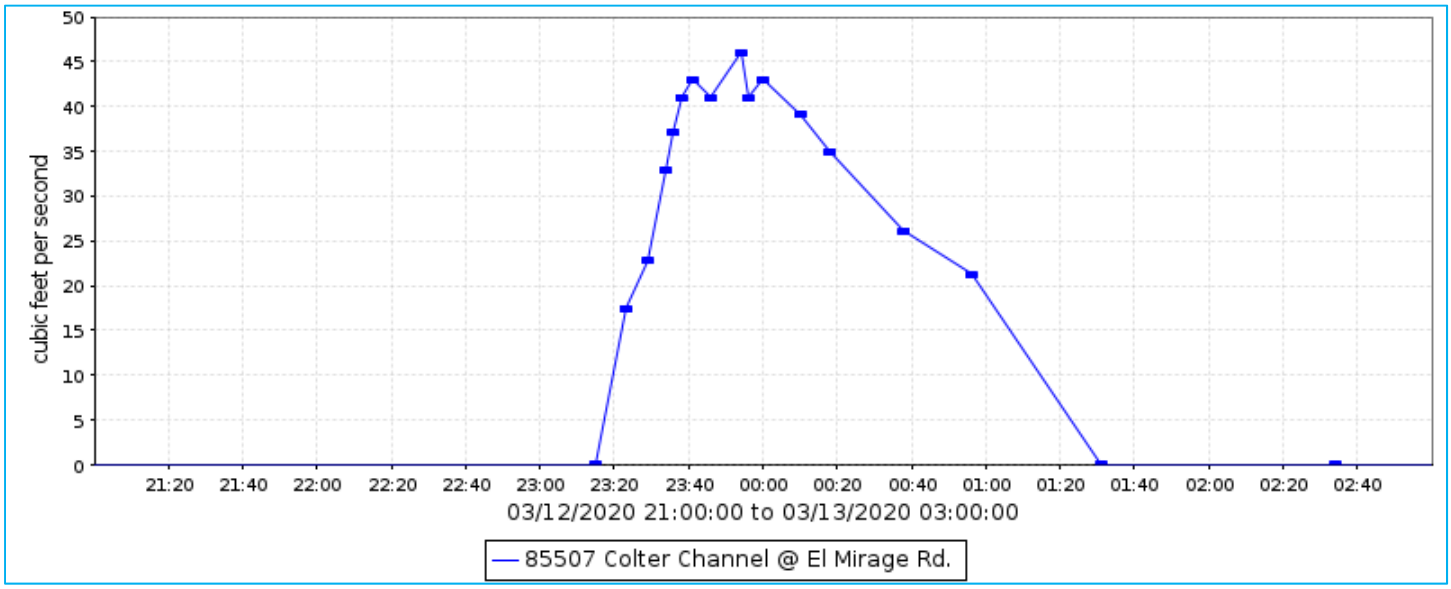




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	0.92	44
11/29/2019	0.59	31
02/11/2020	0.44	24
02/22/2020	0.44	24
03/12/2020	0.47	25
03/12/2020	0.97	46
03/18/2020	0.34	19

Hydrograph of peak WY 2020 flow event, 03/12/2020



Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
41	**71**	**99**	**134**	**196**	**257**

NOTE: These results are based on very limited data.

Colter Channel, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					3							
12						3						
13						2						
14												
15												
16												
17												
18						2						
19												
20		14										
21												
22					7							
23												
24												
25												
26									1			
27												
28												
29		7										
30					---							
31		---			---		---		---			---
TOTAL	0	22	0	0	10	6	0	0	1	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	0	44	0	0	24	46	0	0	3	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	43	0	0	20	12	0	0	2	0	0	0

WTR YR 2020 TOTAL 39 MEAN 0 MAX 46 MIN 0 AC_FT 77

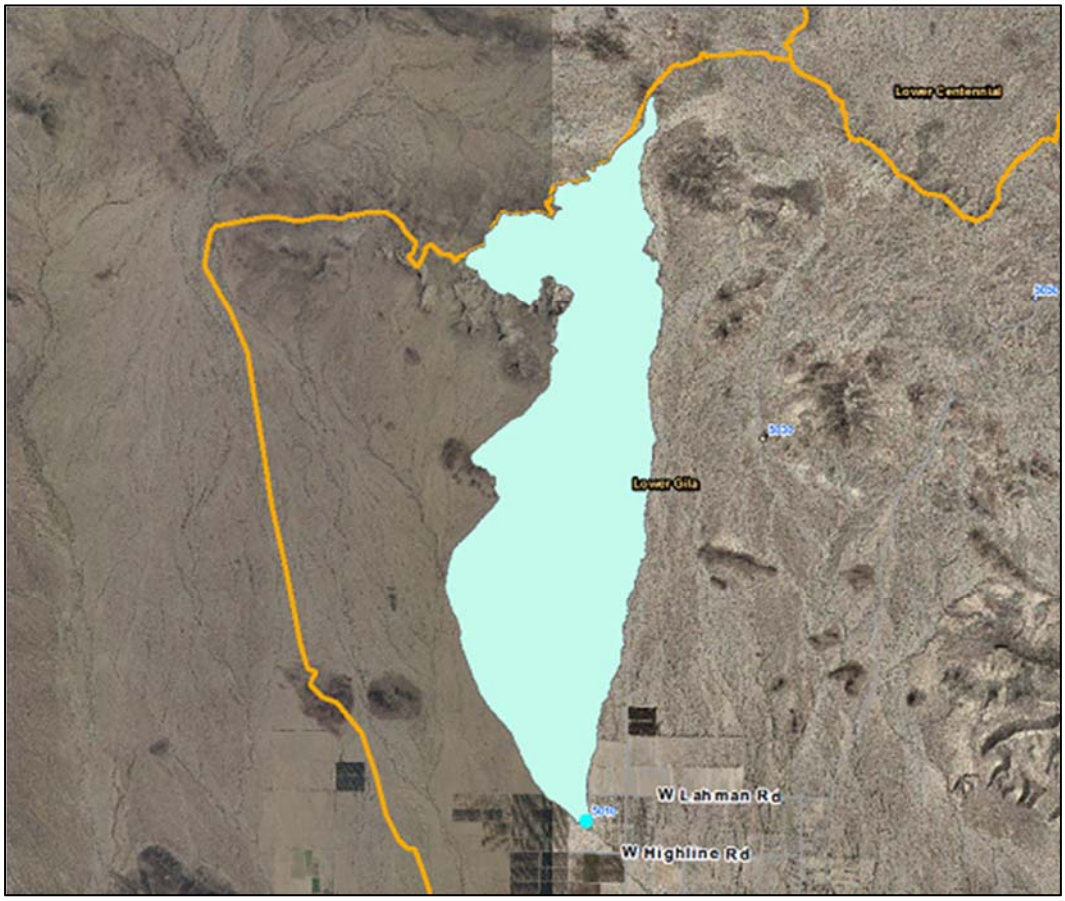
Columbus Wash – ID #40807

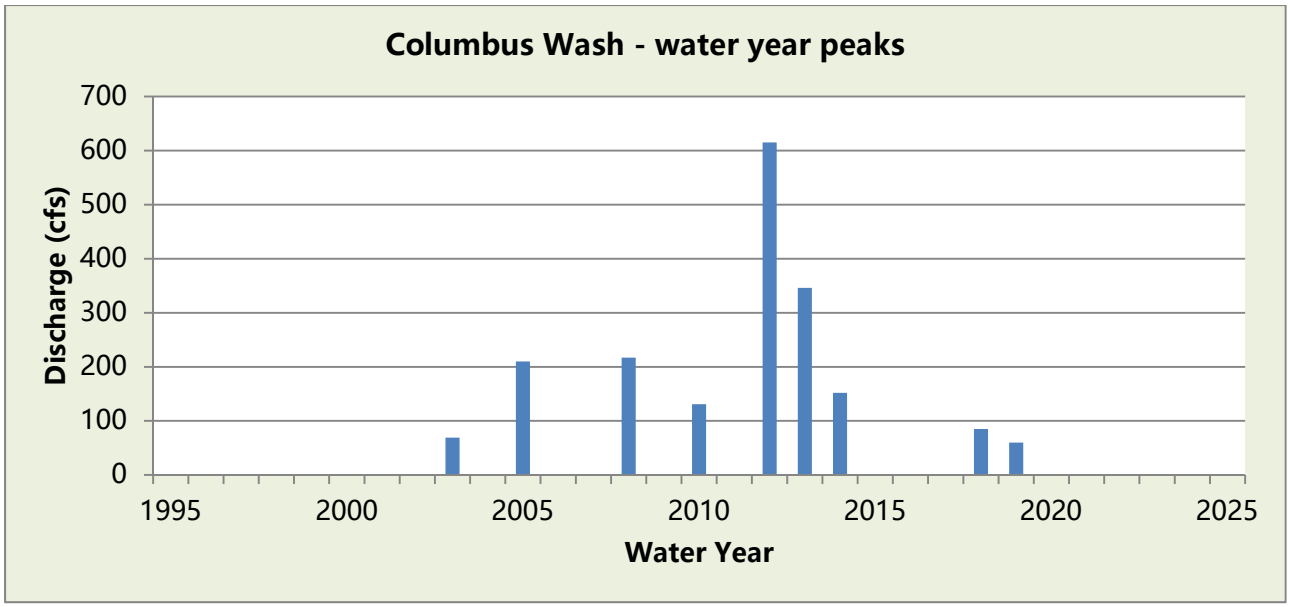


Site Data

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	21.03 Years | 7,680 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

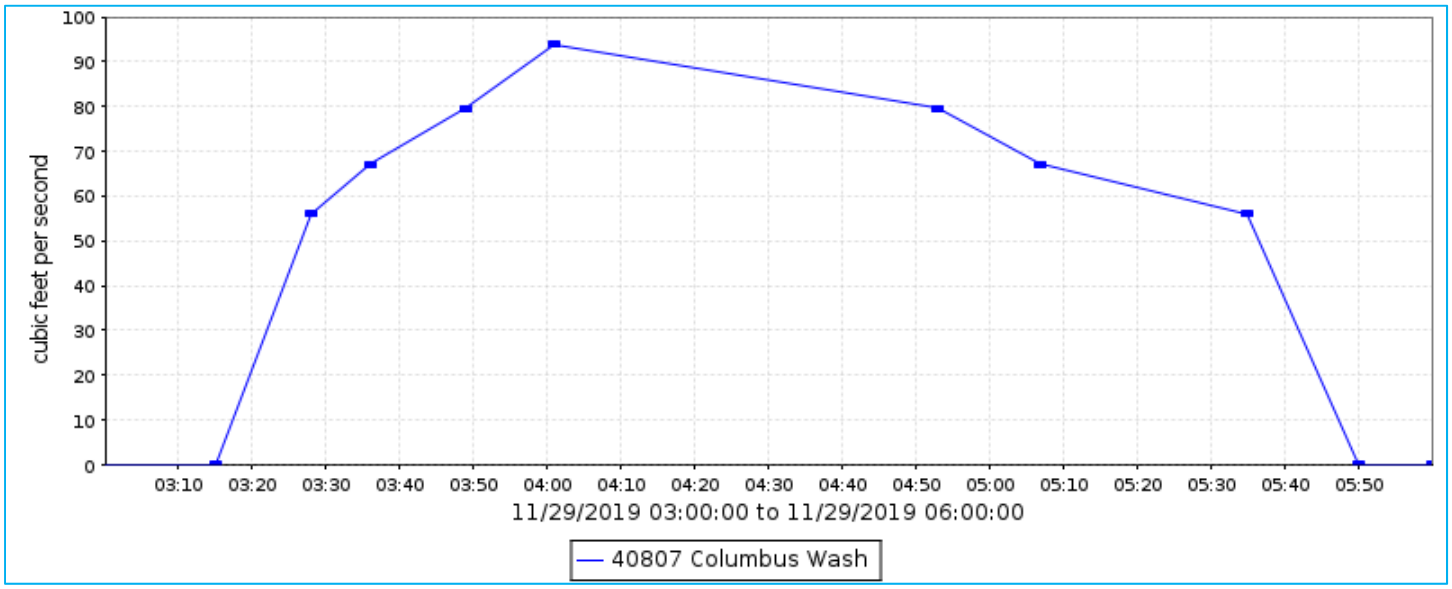




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/29/2019	2.35	94

Hydrograph of peak WY 2020 flow event, 11/29/2019



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 2019 to September 2020

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		---										
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17		---										
18		---										
19		---										
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		8										
30					---							
31		---			---		---		---			---
TOTAL	0	8	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	94	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	15	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 8 MEAN 0 MAX 94 MIN 0 AC_FT 15

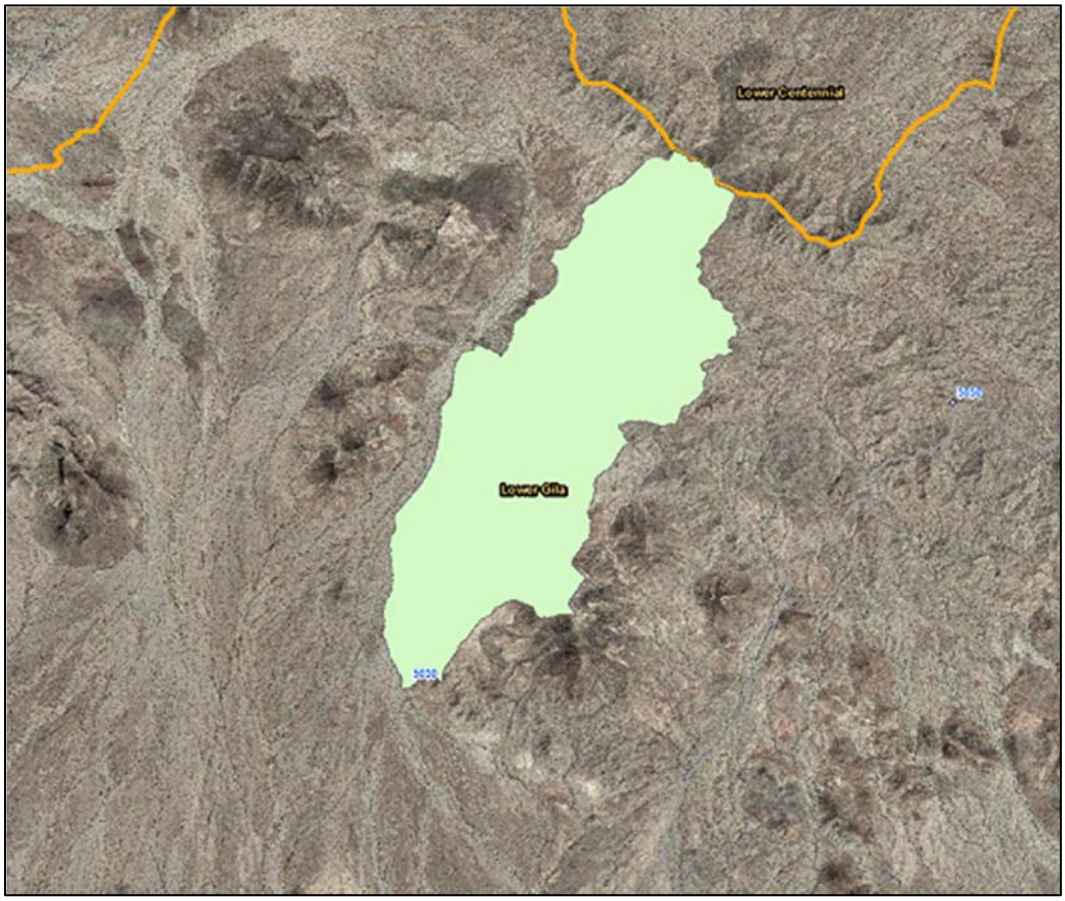
Copper Wash, ID #41007

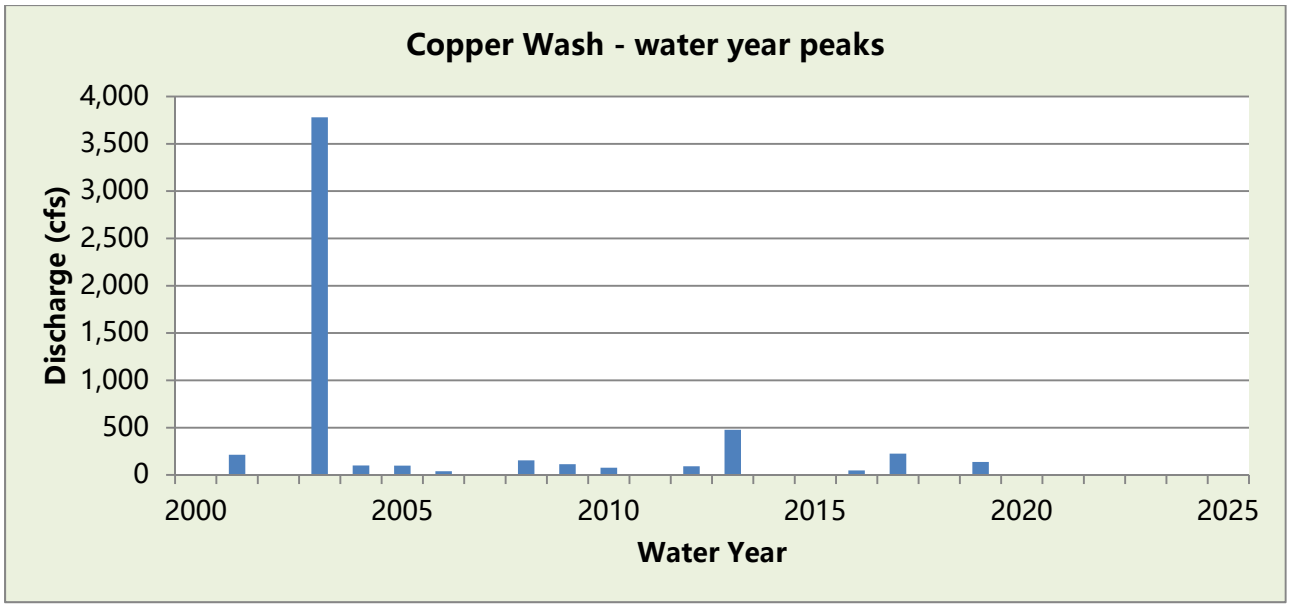


Site Data

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	19.61 Years | 7,163 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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**
44	**272**	**628**	**1,180**	**2,270**	**3,380**

NOTE: These results are based on very limited data.

Copper Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		---										
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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	1	0	0	0	1	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 2020 TOTAL 0 MEAN 0 MAX 1 MIN 0 AC_FT 0

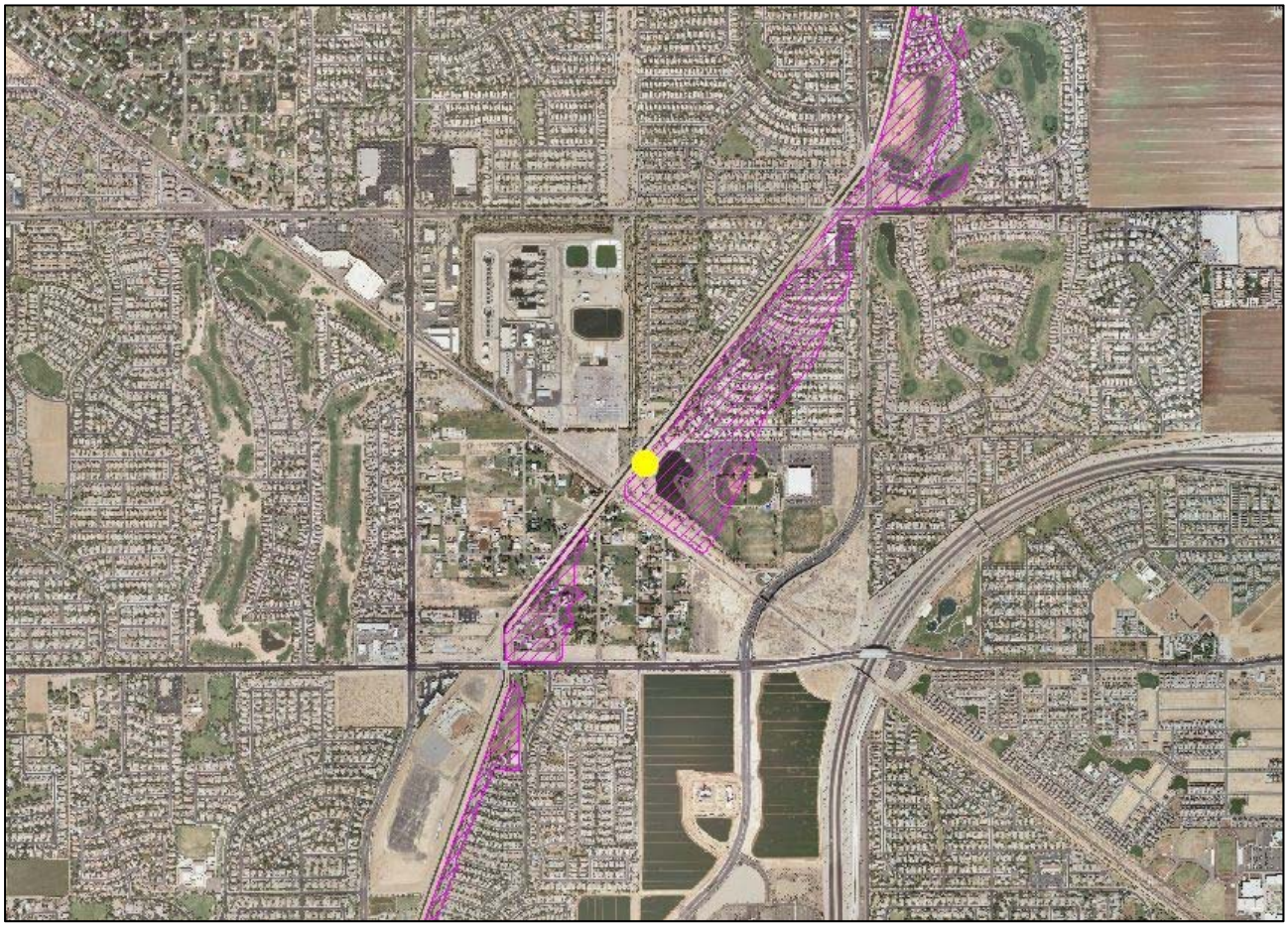
Crossroads Park Basin, ID #33007

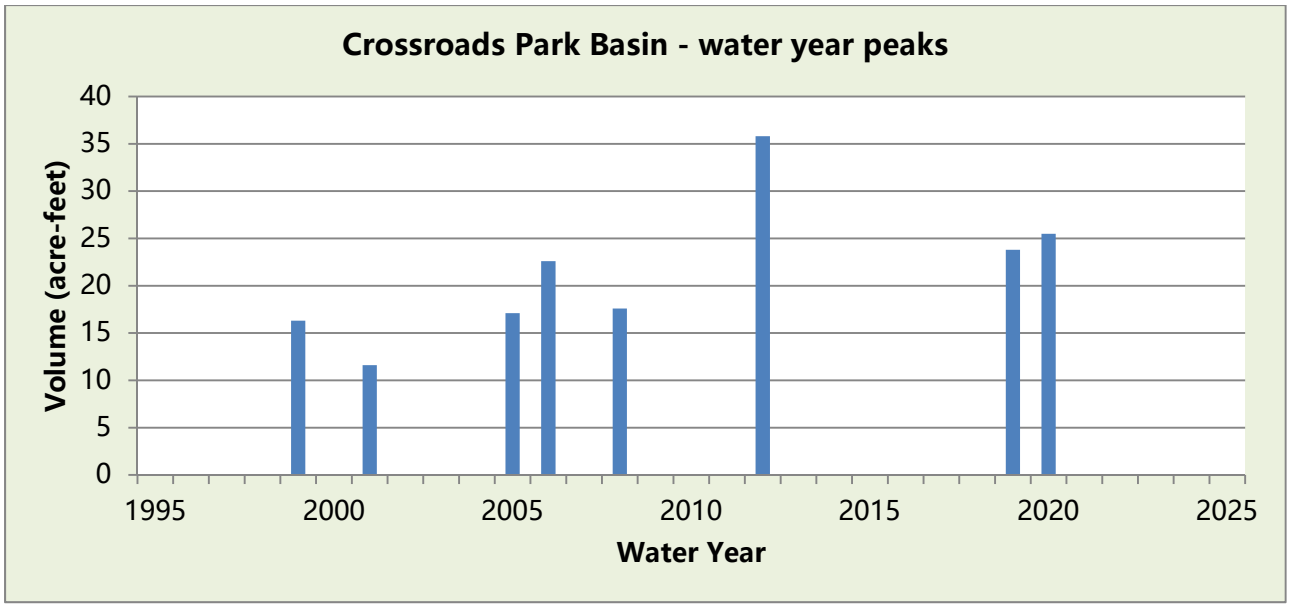


Site Data

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	24.79 Years | 9,054 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

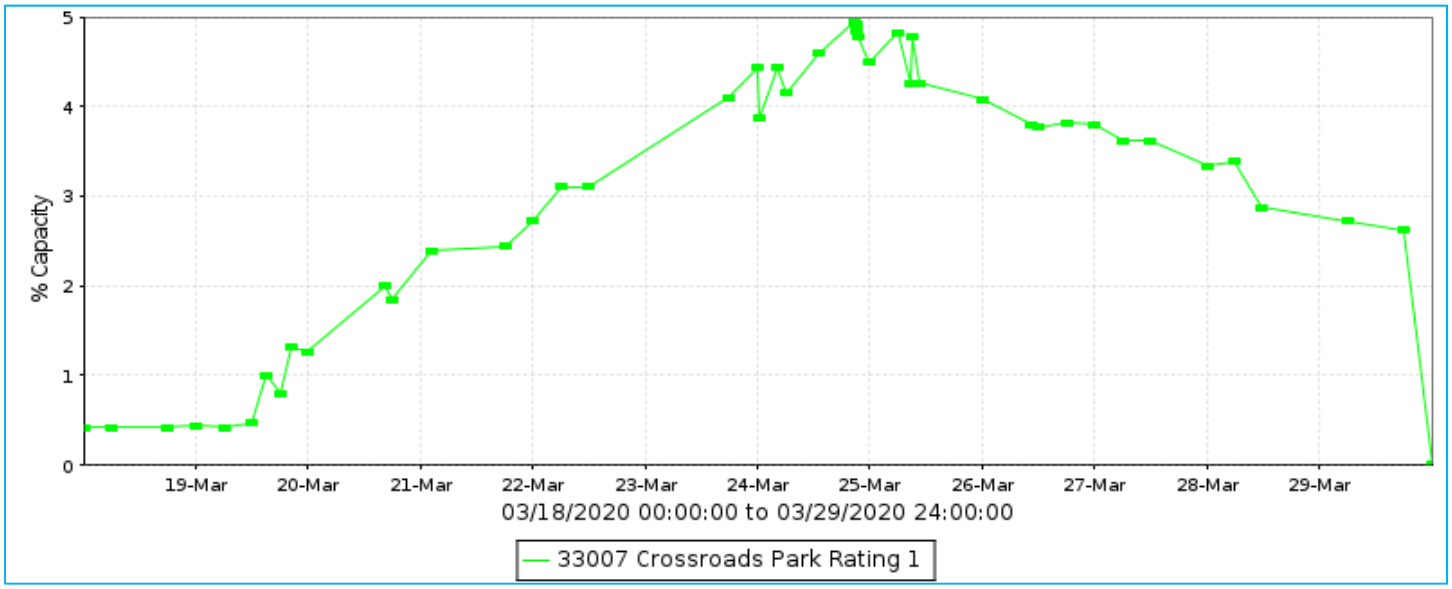




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
03/24/2020	3.26	25.5	4.9

Hydrograph of peak WY 2020 impoundment event, 03/24/2020



Crossroads Park, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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10												
11												
12												
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14												
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16												
17												
18												
19												
20												
21						14						
22						8						
23						2						
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	14	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 14 MIN 0

Crossroads Park Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	1.3	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
2	1.3	1.3	1.4	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
3	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
4	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
5	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
6	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
7	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
8	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
9	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
10	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
11	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
12	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
13	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
14	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
15	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
16	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
17	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
18	1.3	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
19	1.3	1.3	1.5	1.5	1.5	1.6	1.3	1.3	1.3	1.3	1.3	1.3
20	1.3	1.3	1.5	1.5	1.5	1.9	1.3	1.3	1.3	1.3	1.3	1.3
21	1.3	1.3	1.5	1.5	1.5	2.2	1.3	1.3	1.3	1.3	1.3	1.3
22	1.3	1.3	1.5	1.5	1.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
23	1.3	1.3	1.5	1.5	1.5	2.9	1.3	1.3	1.3	1.3	1.3	1.3
24	1.3	1.3	1.5	1.5	1.5	3.0	1.3	1.3	1.3	1.3	1.3	1.3
25	1.3	1.3	1.5	1.5	1.5	3.1	1.3	1.3	1.3	0.0	1.3	1.3
26	1.3	1.3	1.5	1.5	1.5	2.9	1.3	1.3	1.3	1.3	1.3	1.3
27	1.3	1.3	1.5	1.5	1.5	2.8	1.3	1.3	1.3	1.3	1.3	1.3
28	1.3	1.3	1.5	1.5	1.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
29	1.3	1.3	1.5	1.5	1.5	2.4	1.3	1.3	1.3	1.3	1.3	1.3
30	1.3	1.3	1.5	1.5	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3
31	1.3	---	1.5	1.5	---	1.3	---	1.3	---	1.3	1.3	---
MEAN	1.3	1.3	1.5	1.5	1.5	1.8	1.3	1.3	1.3	1.3	1.3	1.3
MAX	1.3	1.3	1.5	1.5	1.5	3.3	1.3	1.3	1.3	1.3	1.3	1.3
MIN	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3

WTR YR 2020 MEAN 1.41 MAX 3.26 MIN 1.33

Cruff Wash, ID #23707

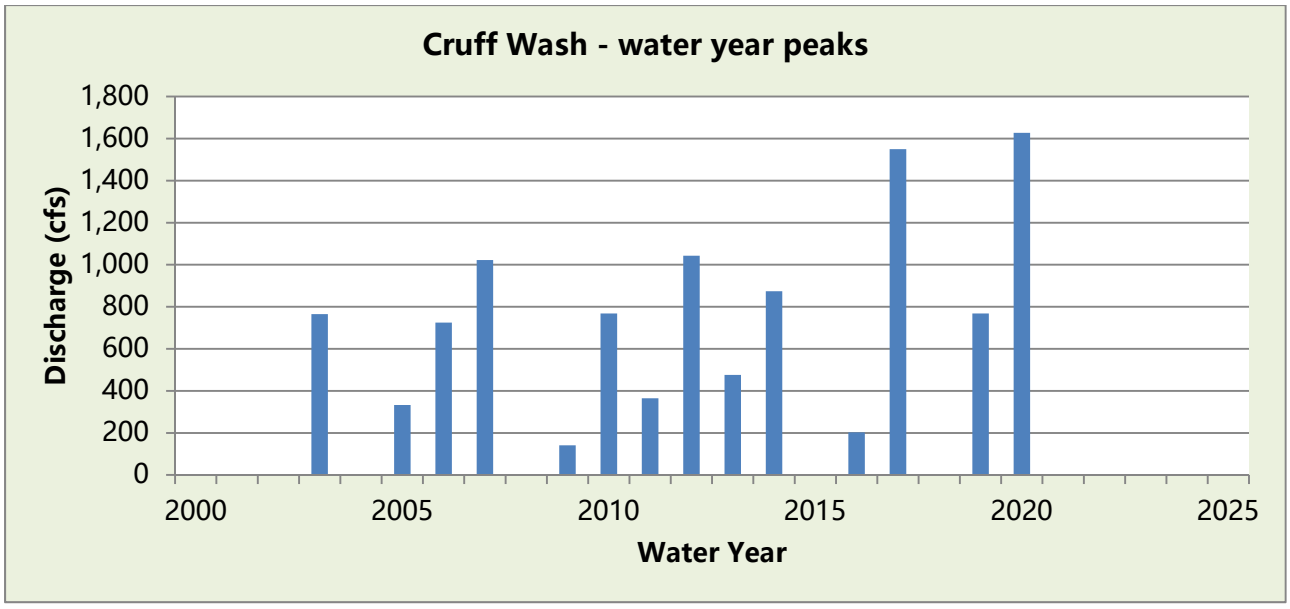


Site Data

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	18.38 Years | 6,715 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	1,627 cfs | 4.73 feet | 03/12/2020

Watershed Map

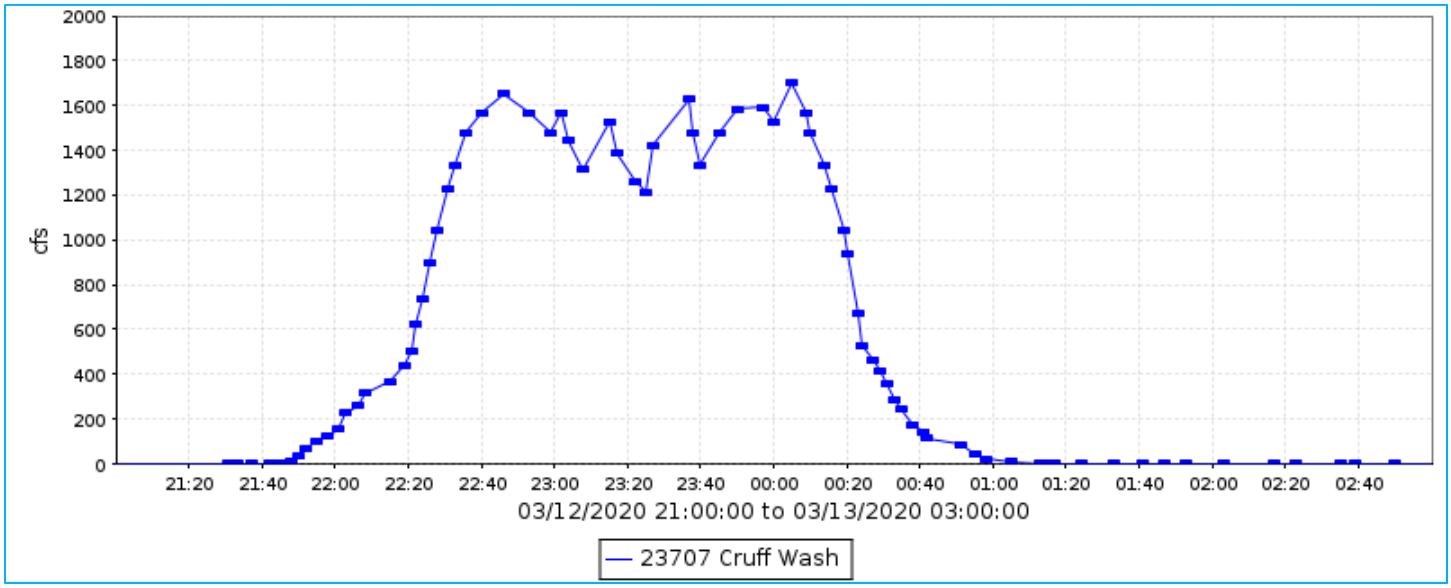




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
03/12/2020	4.73	1,627

Hydrograph of peak WY 2020 flow event, 03/12/2020



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**
476	**989**	**1,330**	**1,640**	**1,990**	**2,220**

NOTE: These results are based on very limited data.

Cruff Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						101						
13						28						
14												
15												
16												
17												
18												
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23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	129	0	0	0	0	0	0
MEAN	0	0	0	0	0	4	0	0	0	0	0	0
MAX	0	0	0	0	0	1701	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	256	0	0	0	0	0	0

WTR YR 2020 TOTAL 129 MEAN 0 MAX 1701 MIN 0 AC_FT 256

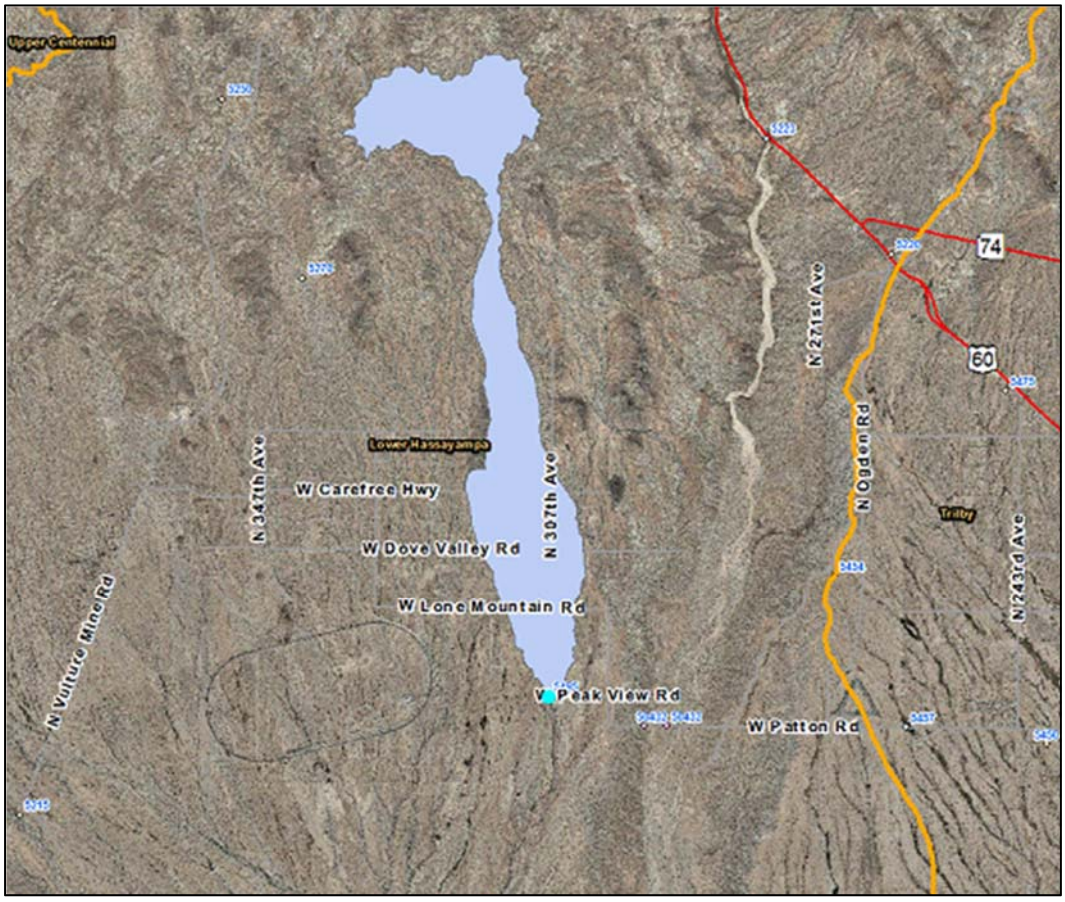
Daggs Wash, ID #48507

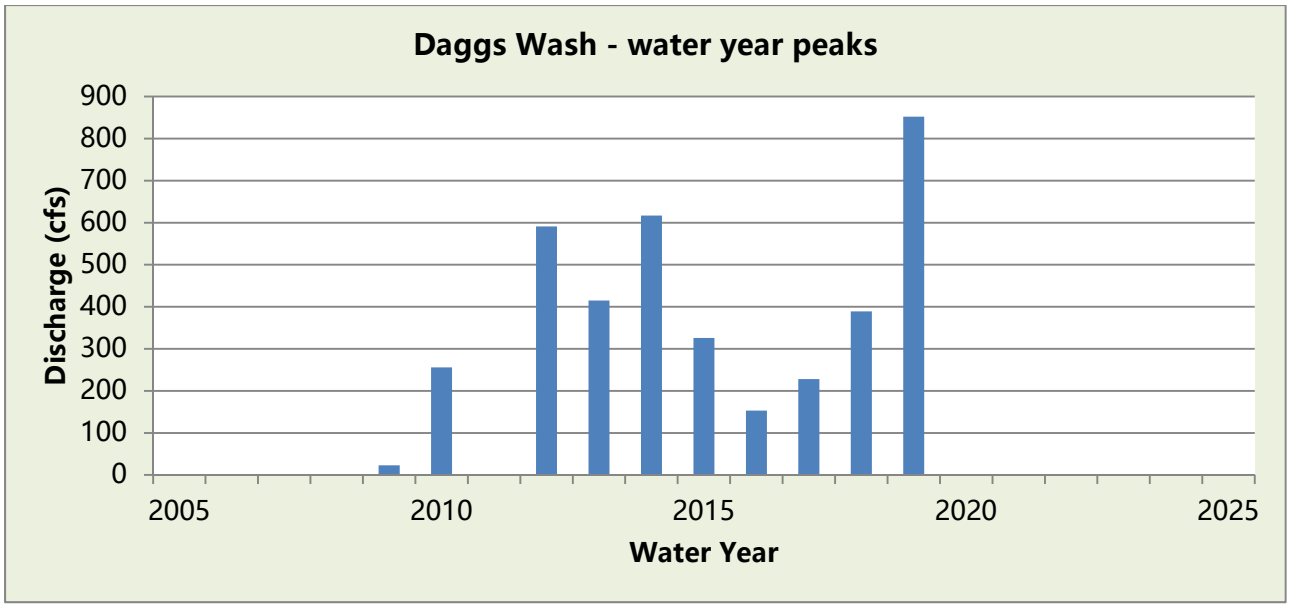


Site Data

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	12.90 Years | 4,711 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

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		---			---		---		---			---
TOTAL	0	0	0	0	0	2	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	23	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	4	0	0	0	0	0	0

WTR YR 2020 TOTAL 2 MEAN 0 MAX 23 MIN 0 AC_FT 4

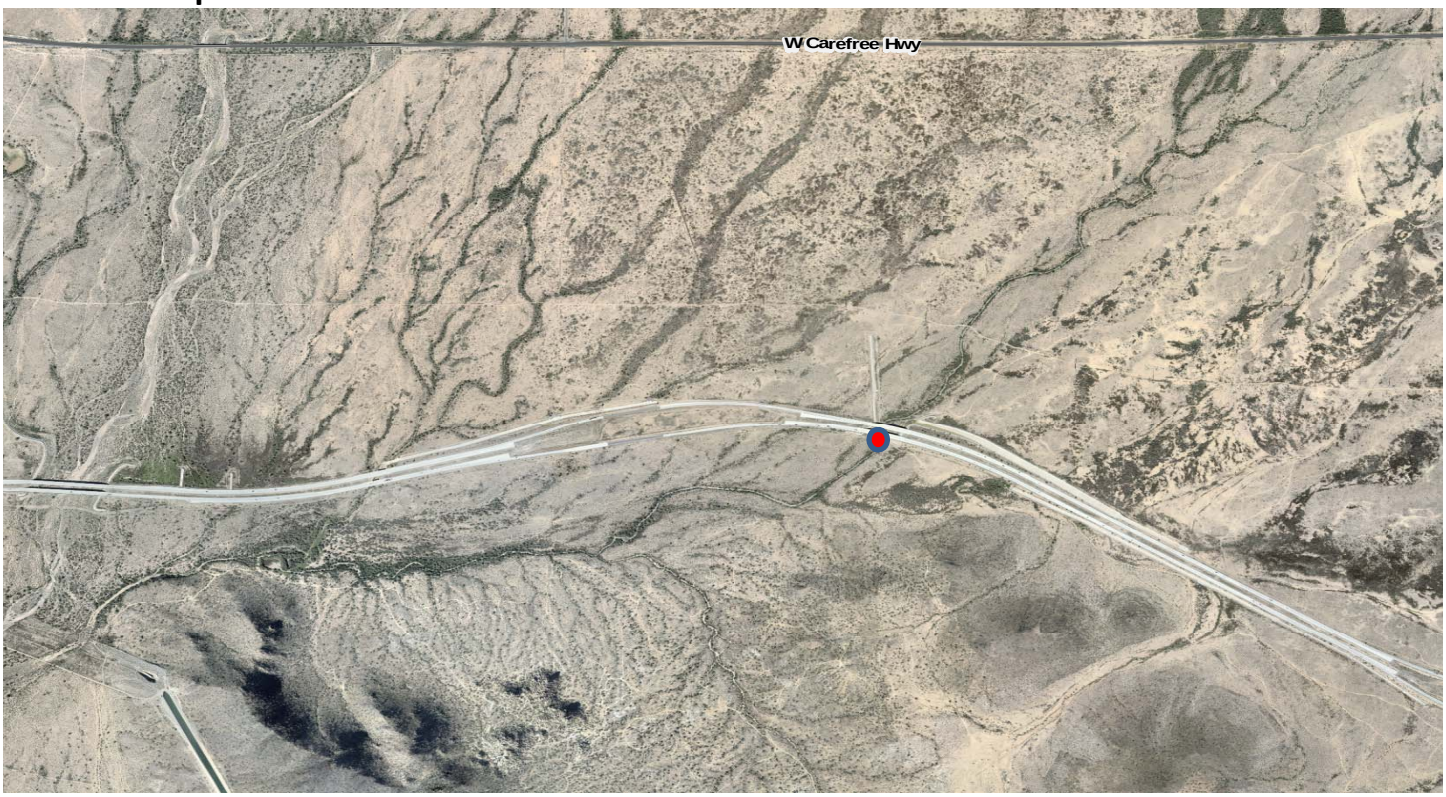
Deadman Wash at SR303L – ID #62107

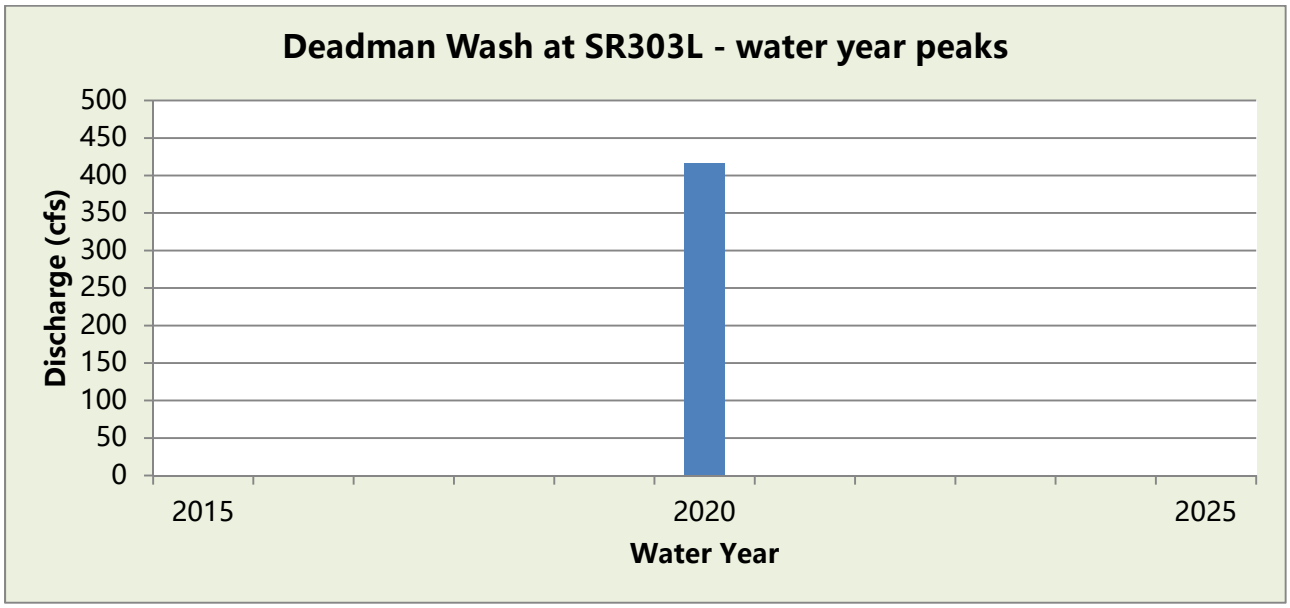


Site Data

LOCATION	Located about 1.5 miles east of New River crossing
DRAINAGE AREA	20.1 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper New River
SECTION/TOWNSHIP/RANGE	S18 T5N R2E
LATITUDE	N 33° 46' 52.6" | +33.78128
LONGITUDE	W 112° 11' 37.7" | -112.19381
STREAMGAGE INSTALLATION DATE	10/17/2019 – WY2020
AVAILABLE PERIOD OF RECORD (POR)	12/22/1999 - Current
LENGTH OF AVAILABLE POR DATA	0.96 Years | 350 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.80 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,533.00 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	417 cfs | 1.42 feet | 11/20/2019

Location Map

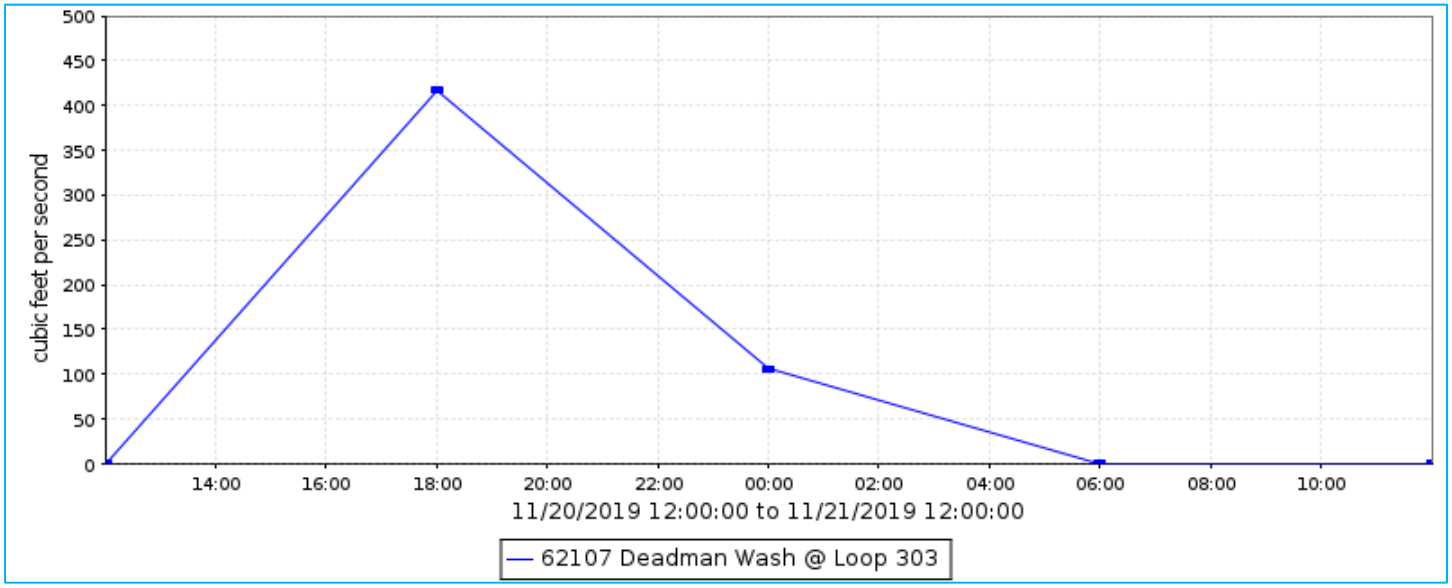




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	1.42	417
03/13/2020	1.19	250
03/13/2020	0.92	123

Hydrograph of peak WY 2020 flow event, 11/20/2019



Flood Flow Frequency

There are not enough data to compute a flood frequency for this site.

Deadman Wash at SR303L, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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	---					56						
14	---				---	3						
15	---				---							
16	---				---							
17	254		23		---							
18												
19												
20		104										
21		27										
22												
23												
24												
25												
26												
27												
28						---						
29												
30					---							
31		---			---		---		---			---
TOTAL	8398	131	23	0	0	58	0	0	0	0	0	0
MEAN	271	4	1	0	0	2	0	0	0	0	0	0
MAX	0	417	91	0	0	250	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	16658	259	45	0	0	115	0	0	0	0	0	0

WTR YR 2020 TOTAL 8610 MEAN 24 MAX 417 MIN 0 AC_FT 17078

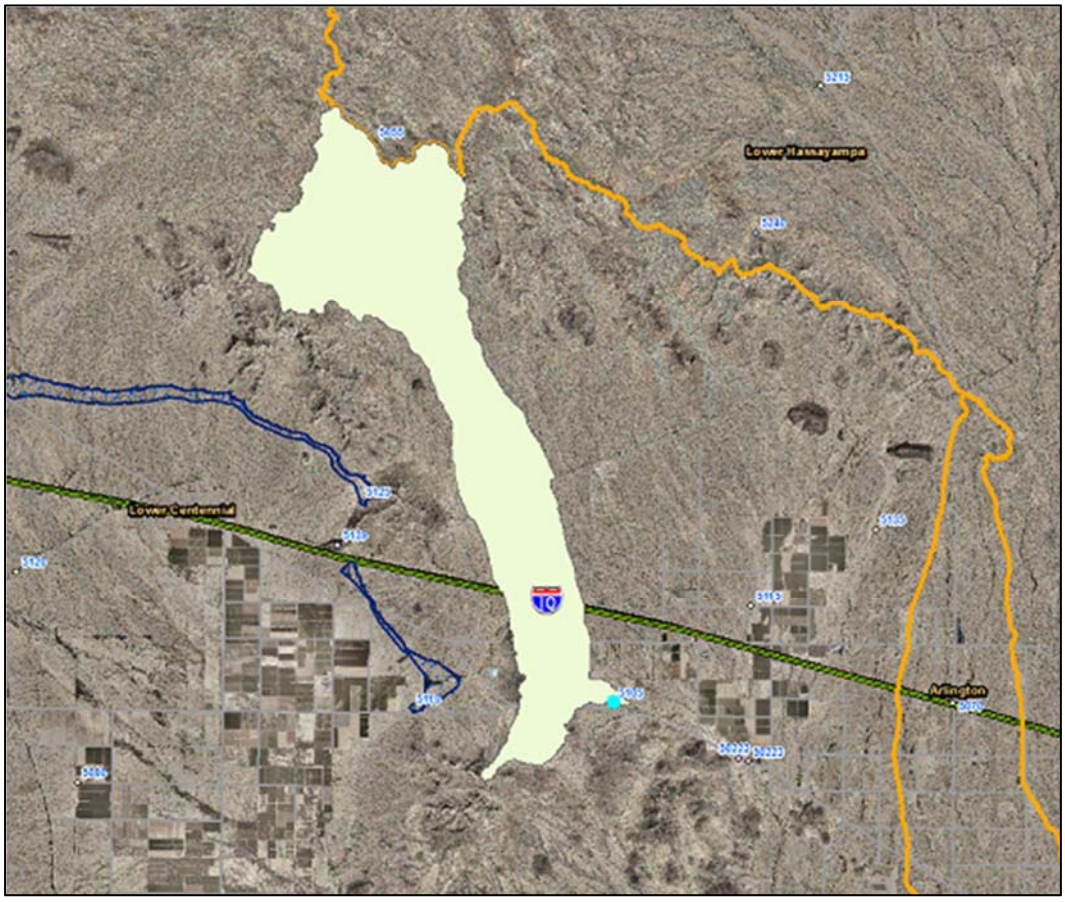
Delaney Wash – ID #25007

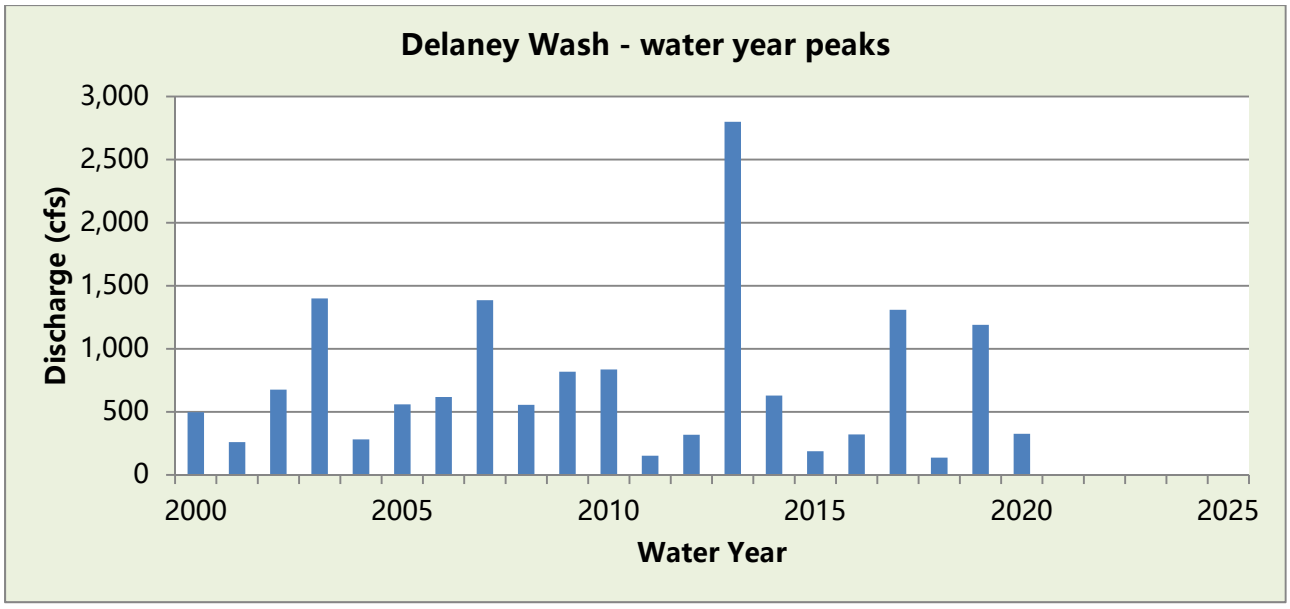


Site Data

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	20.78 Years | 7,589 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

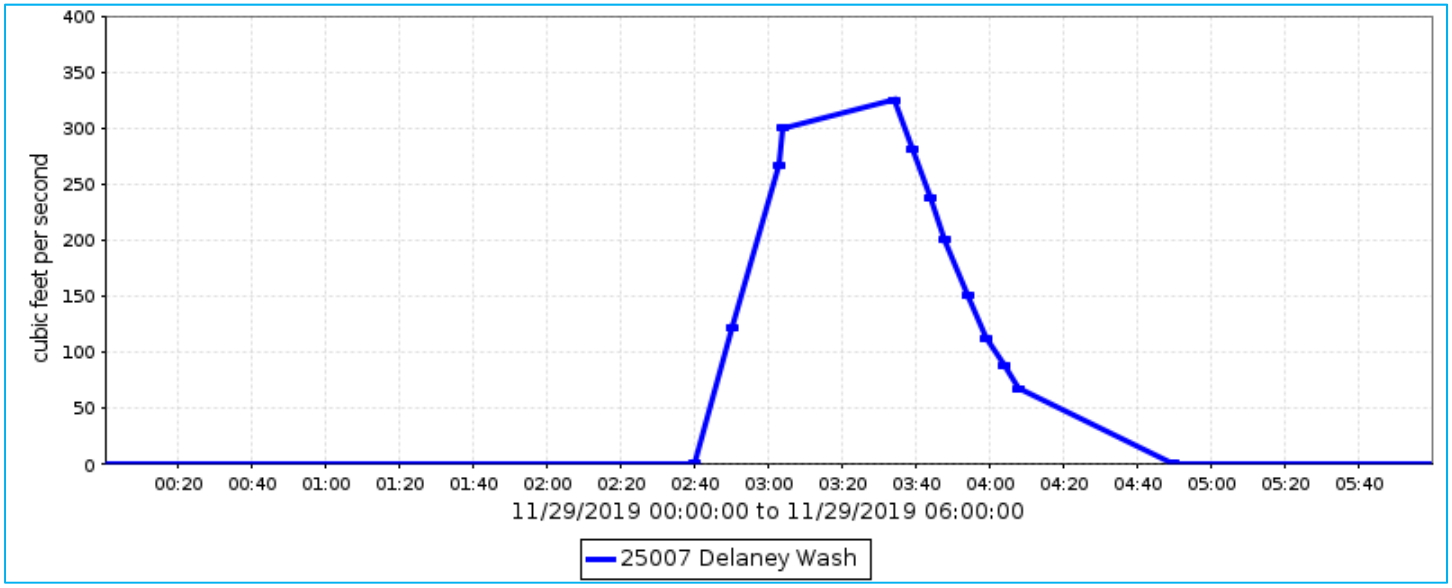




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	1.54	59
11/29/2019	2.73	326
03/12/2020	1.77	141

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
533	**1,050**	**1,510**	**2,040**	**2,860**	**3,610**

NOTE: These results are based on very limited data.

Delaney Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						3						
13						10						
14												
15												
16												
17												
18												
19												
20		1										
21												
22												
23												
24												
25												
26												
27												
28												
29		14										
30		---			---							
31		---			---		---		---			---
TOTAL	0	15	0	0	0	13	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	0	325	0	0	0	141	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	30	0	0	0	26	0	0	0	0	0	0

WTR YR 2020 TOTAL 28 MEAN 0 MAX 325 MIN 0 AC_FT 56

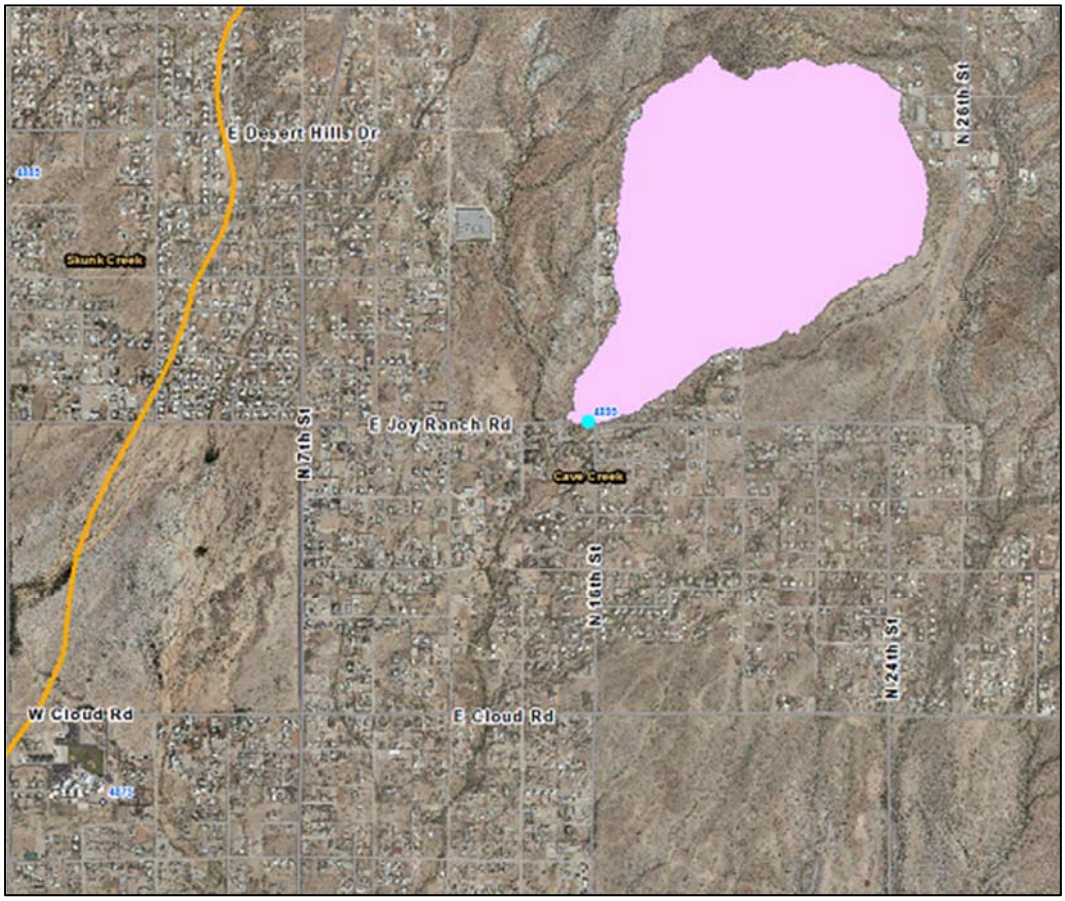
Desert Hills Wash, ID #19307

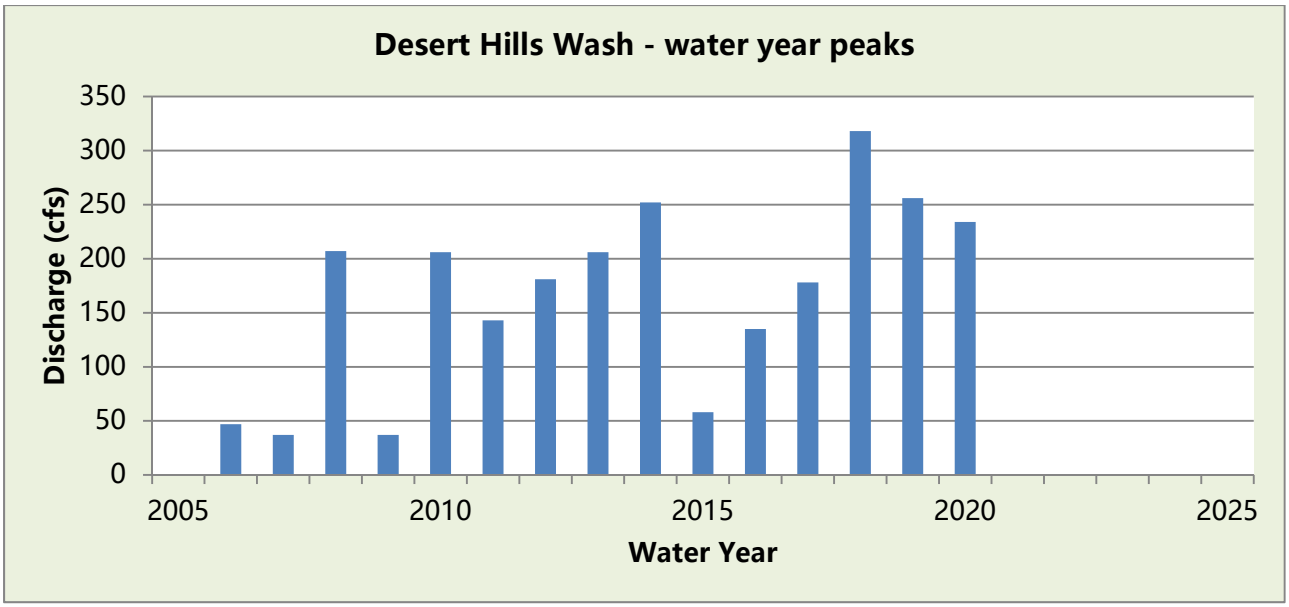


Site Data

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	14.58 Years | 5,327 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

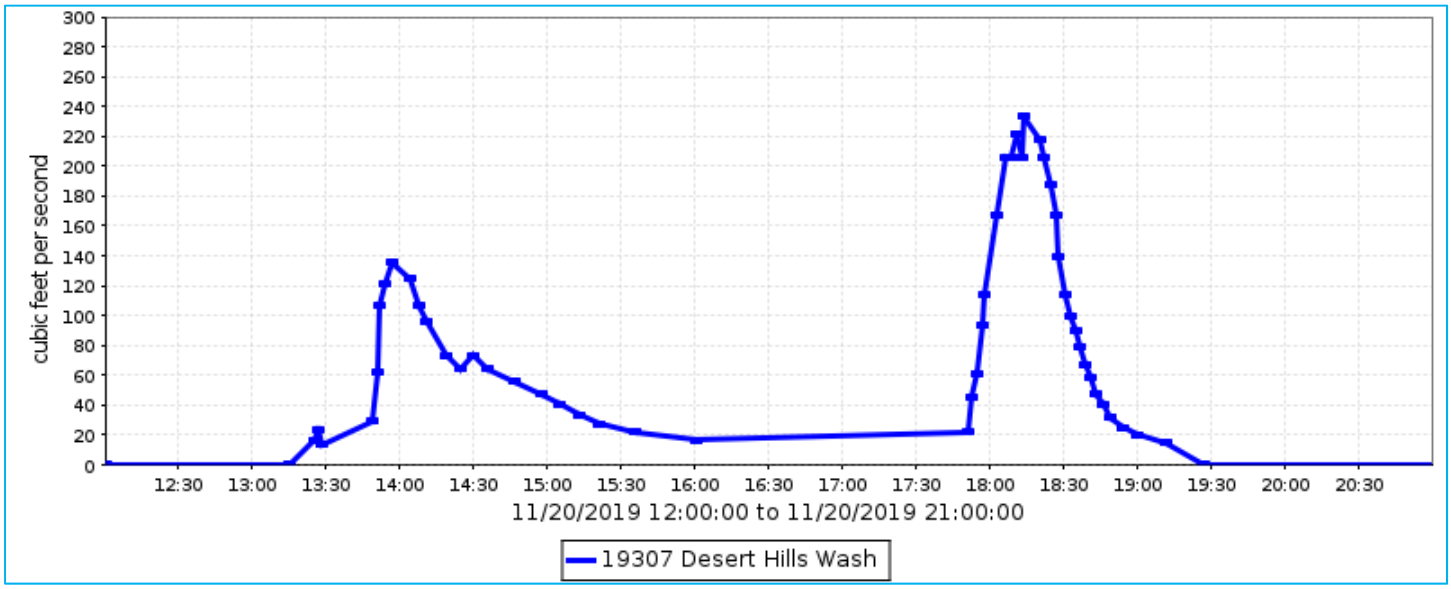




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	2.74	136
11/20/2019	3.87	234
11/29/2019	2.35	106
12/22/2019	0.64	15
12/24/2019	0.64	15
02/22/2020	0.64	15
03/13/2020	2.94	152

Hydrograph of peak WY 2020 flow event, 11/20/2019



Flood Flow Frequency

Flood Flow Frequency N=15, HEC-WRC computation (based on 15 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
151	**256**	**318**	**271**	**430**	**467**

Desert Hills Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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												
15												
16												
17												
18												
19						---						
20		13				---						
21												
22					2							
23												
24			1									
25												
26												
27												
28												
29		6										
30					---							
31		---			---		---		---			---
TOTAL	0	18	1	0	2	8	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	0	234	15	0	15	152	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	36	2	0	4	17	0	0	0	0	0	0

WTR YR 2020 TOTAL 30 MEAN 0 MAX 234 MIN 0 AC_FT 59

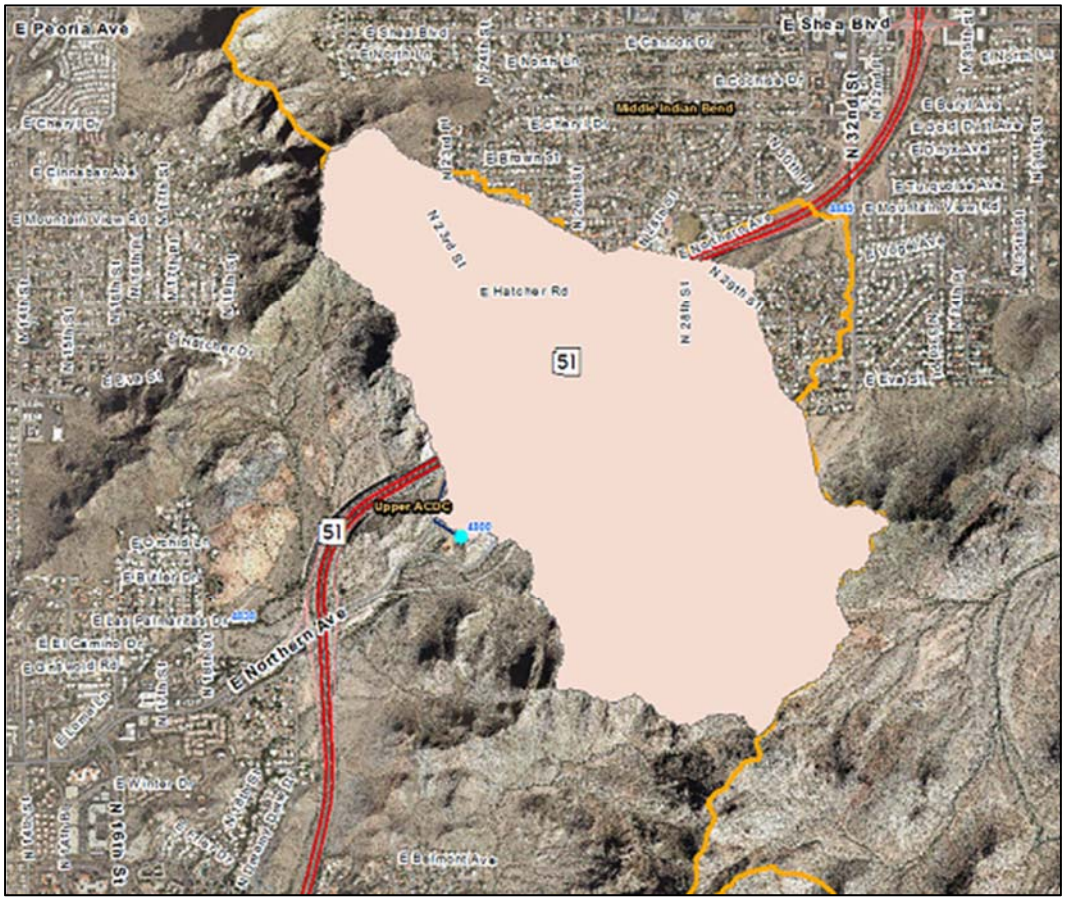
Dreamy Draw Dam, ID #9807



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	32.09 Years | 11,721 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

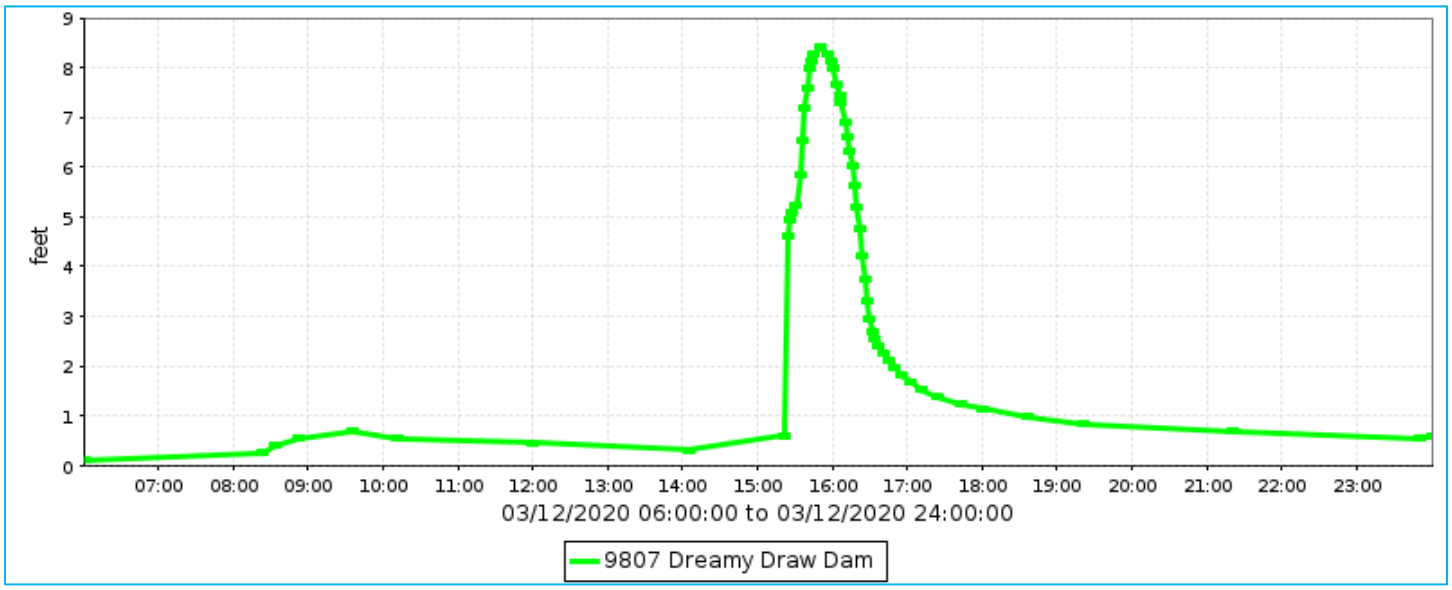
Watershed Map


E Peoria Ave
E Shea Blvd
Middle Indian Bend
N 32nd St
E Hatcher Rd
N 24th St
51
Upper ACDC
E Northern Ave
E Bethany Home Rd
E Glendale Ave
E Mountain View Rd
E Cactus Rd
E Utopia Rd
E Cholla St
E Ellis St
E Bell Rd
E Union Hills Dr
E Deer Valley Rd
E Carefree Hwy
E Dixileta Dr
E Jomax Rd
E Happy Valley Rd
E Pinnacle Peak Rd
E Dynamite Blvd
E Cave Creek Rd
E Carefree Dr
E Ranch Gate Rd
E Rose Ln
E Lone Cactus Dr
E Greenway Pkwy
E Thunderbird Rd
E Cactus Rd
E Paradise Ln
E Bell Rd
E Mountain View Rd
E Northern Ave
E Glendale Ave
E Orangewood Ave
E Thunderbird Rd
E Cactus Rd
E Peoria Ave
E Butler Dr
E Mountain View Rd
E Cinnabar Ave
E Acoma Dr
E Sahuaro Dr
E Shea Blv

WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	2.16	0.1	0.0
12/09/2019	4.46	0.5	0.2
03/12/2020	8.42	2.8	0.9
03/13/2020	4.31	0.5	0.2
03/13/2020	5.10	0.7	0.2
03/18/2020	2.90	0.2	0.0

Hydrograph of peak WY 2020 impoundment event, 03/12/2020



Dreamy Draw Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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			3									
10			1									
11												
12						8						
13						13						
14						3						
15												
16												
17												
18						3						
19						3						
20												
21												
22					1							
23												
24			1									
25			1									
26												
27												
28												
29		2										
30					---							
31		---			---		---		---			---
TOTAL	0	2	6	0	1	31	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	0	0	0	0	0	0
MAX	0	26	70	0	5	116	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	3	11	0	2	61	0	0	0	0	0	0

WTR YR 2020 TOTAL 39 MEAN 0 MAX 116 MIN 0 AC_FT 78

Dreamy Draw Dam, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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												
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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	3	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 3 MIN 0

Dreamy Draw Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.2	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	0.8	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	1.3	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.6	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	0.4	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.5	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	0.3	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	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.2	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	0.3	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	0.2	0.1	0.1	0.1	0.1	0.1	0.1
MAX	0.1	2.2	4.5	0.1	0.8	8.4	0.1	0.1	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 2020 MEAN 0.13 MAX 8.42 MIN 0.12

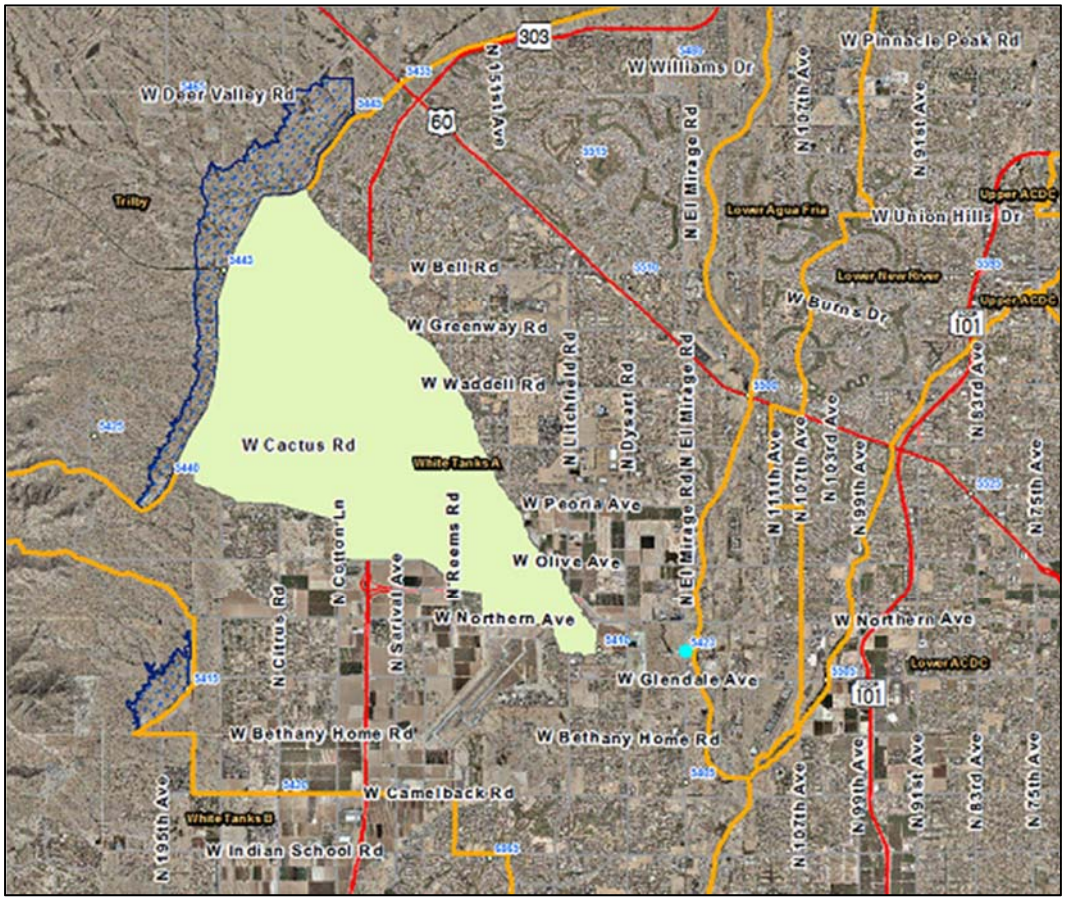
Dysart Drain at LAFB, ID #85807

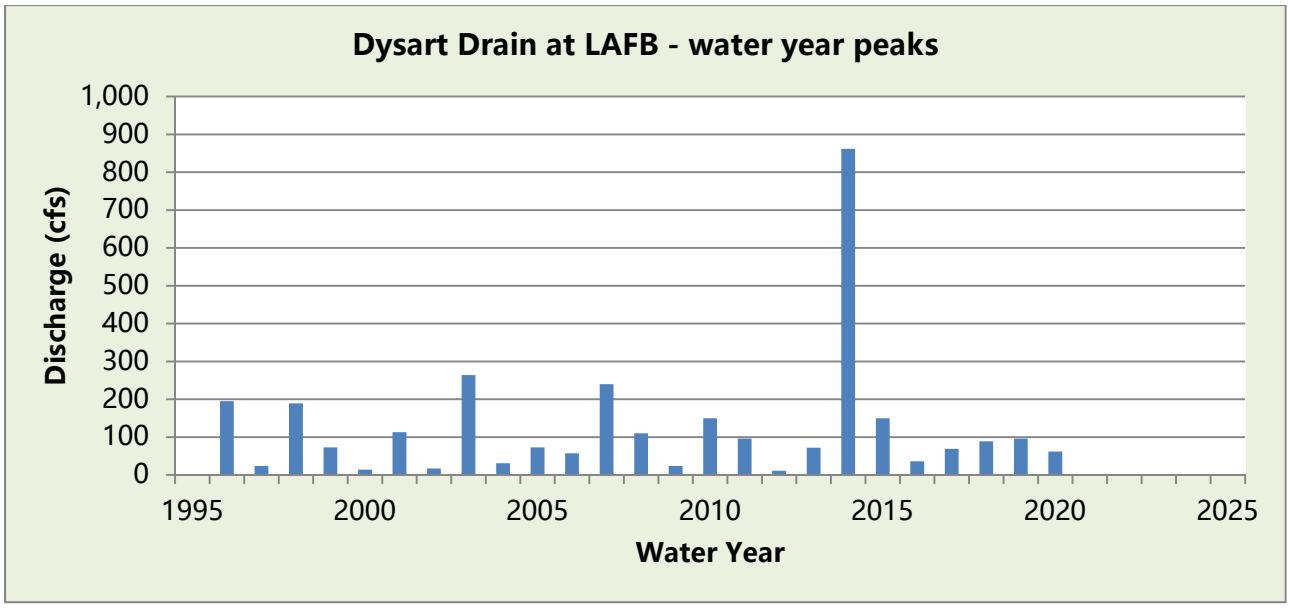


Site Data

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	24.11 Years | 8,806 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



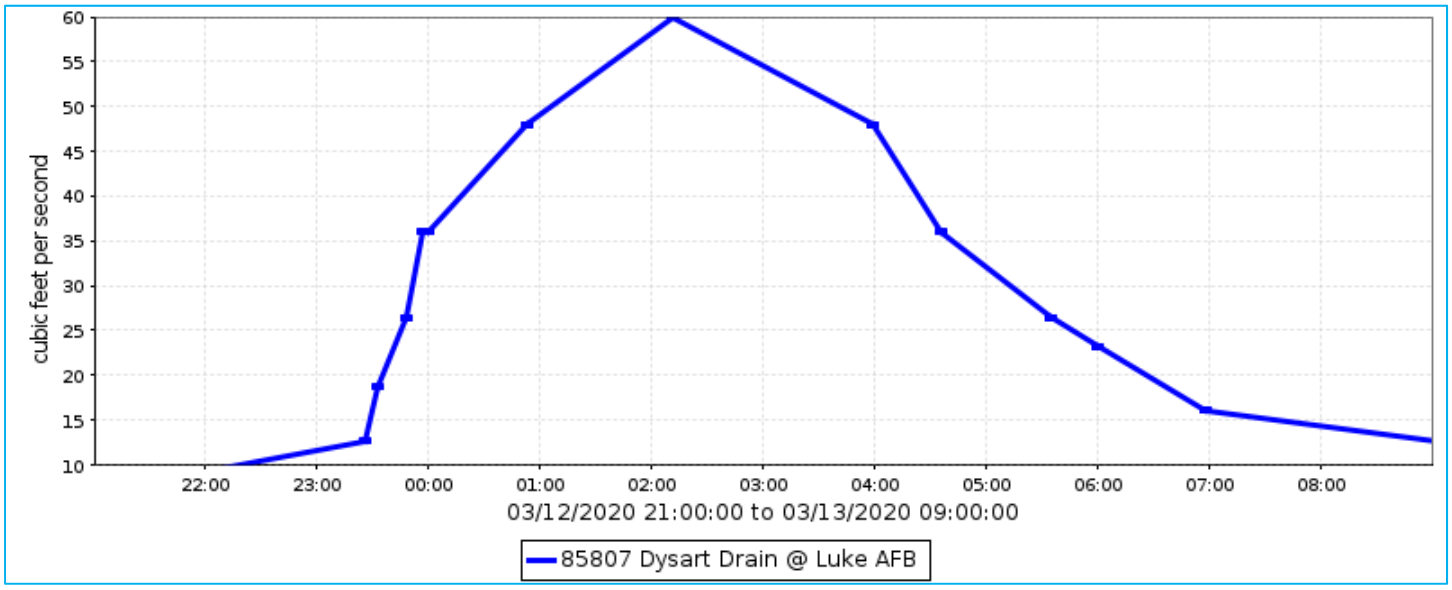


WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	0.99	51
11/29/2019	0.89	16
03/13/2020	1.09	62

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

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
75	**173**	**272**	**399**	**621**	**838**

NOTE: These results are based on very limited data.

Dysart Drain at LAFB, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5											
2	2	2										
3		2		2								
4		2										
5						2						
6											2	
7						2						
8	2											
9							2	2				
10	9											
11	2		2									
12	2					1	2					
13	2					19						
14						2	2					
15						4						
16						2						
17						2						
18						4						
19						3	2					
20		12	2									
21		1										
22												
23												
24												
25			3									
26												
27												
28												
29		16				2						
30					---	4						
31		---			---		---		---			---
TOTAL	24	35	7	2	0	48	8	2	0	0	2	0
MEAN	1	1	0	0	0	2	0	0	0	0	0	0
MAX	10	50	13	9	0	60	8	8	0	0	8	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	48	70	14	5	0	96	16	4	0	0	4	0

WTR YR 2020 TOTAL 129 MEAN 0 MAX 60 MIN 0 AC_FT 256

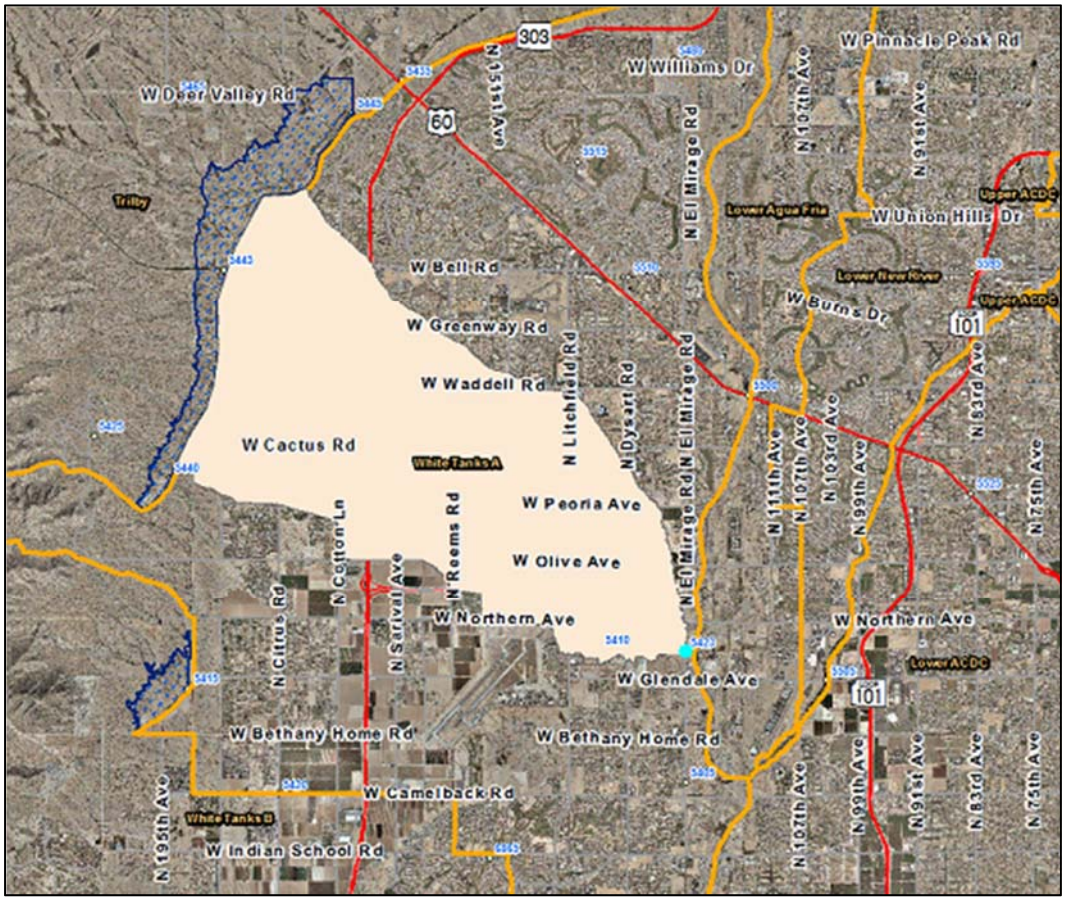
Dysart Drain at El Mirage Road, ID #85707

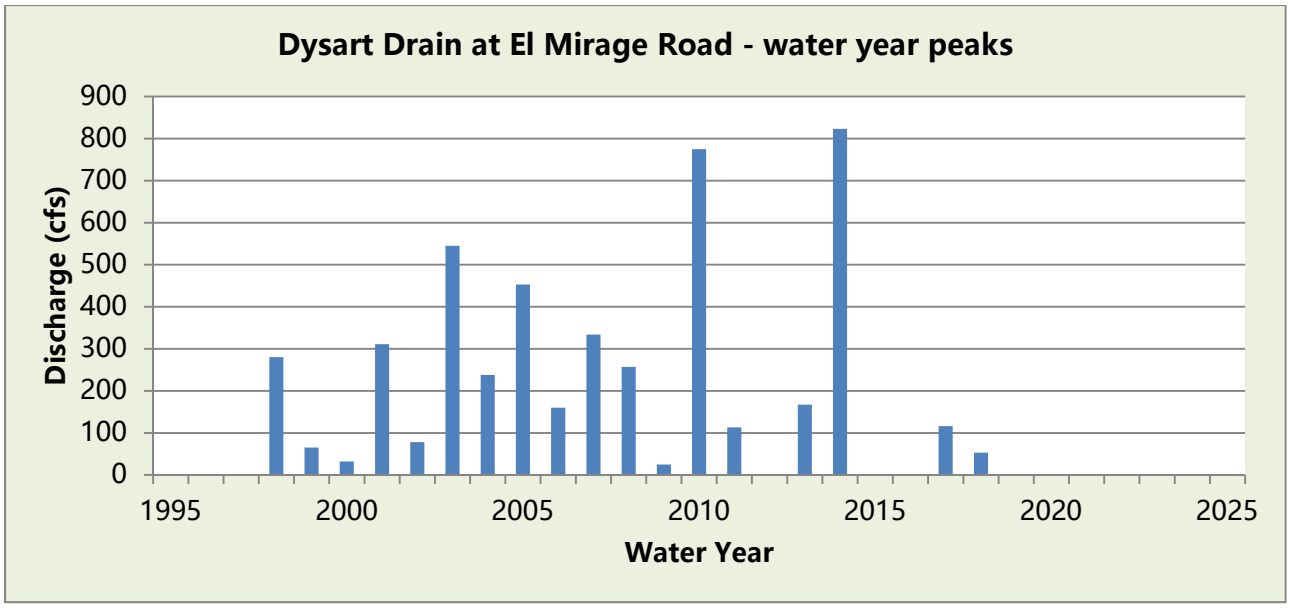


Site Data

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	23.57 Years | 8,609 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





WY2020 Events

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

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

Hydrograph of peak WY 2020 flow event,

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

Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
62	**271**	**545**	**932**	**1,640**	**2,330**

NOTE: These results are based on very limited data.

Dysart Drain at El Mirage Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

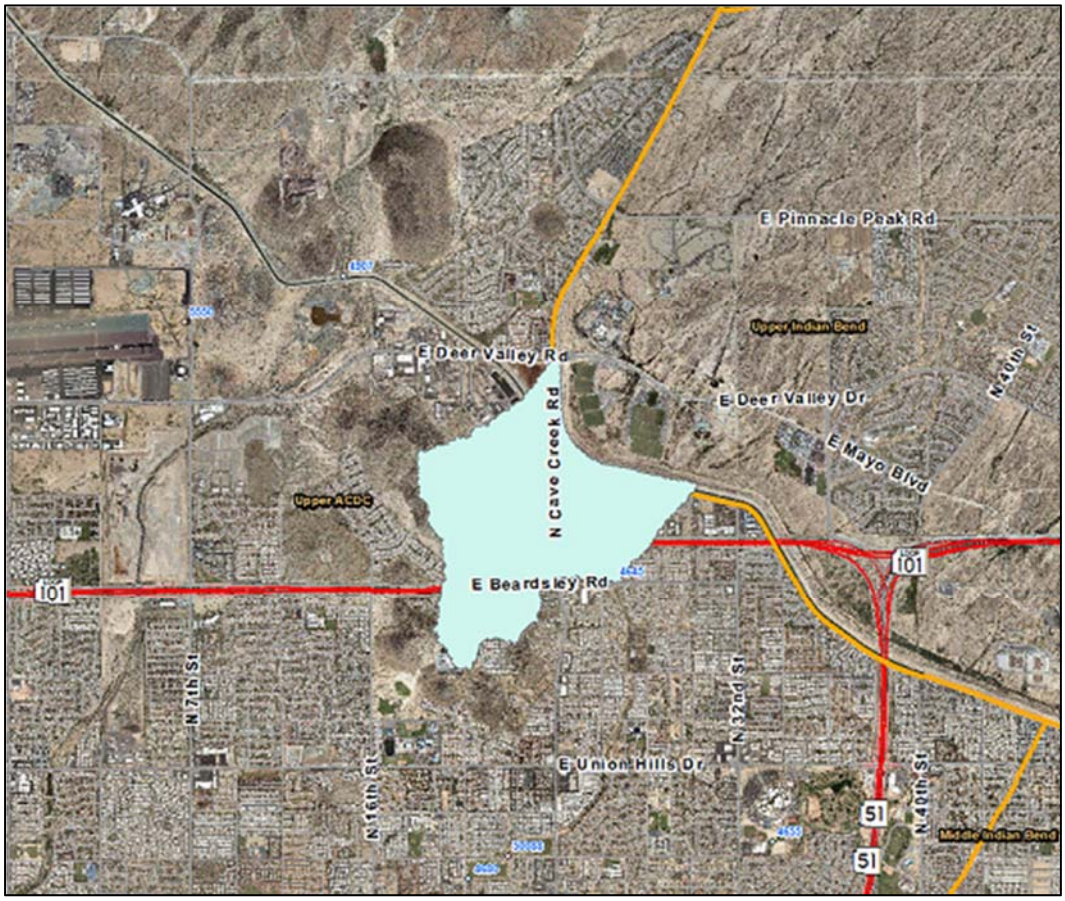
East Fork Cave Creek Basin #1, ID #7807

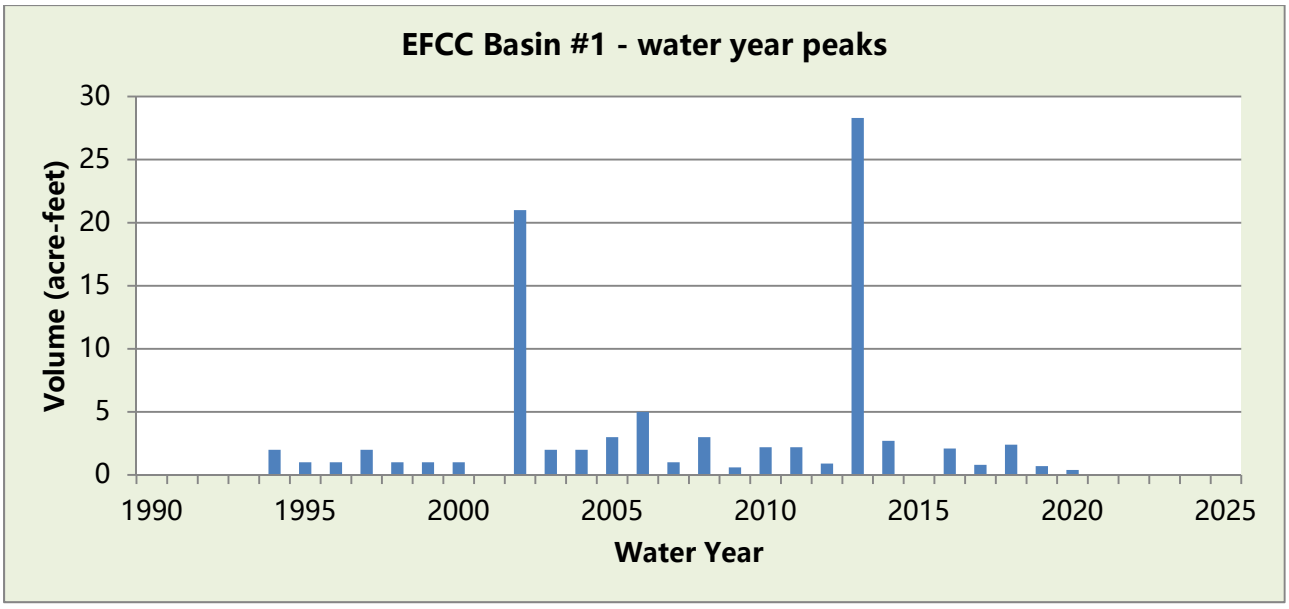


Site Data

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	26.58 Years | 9,710 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

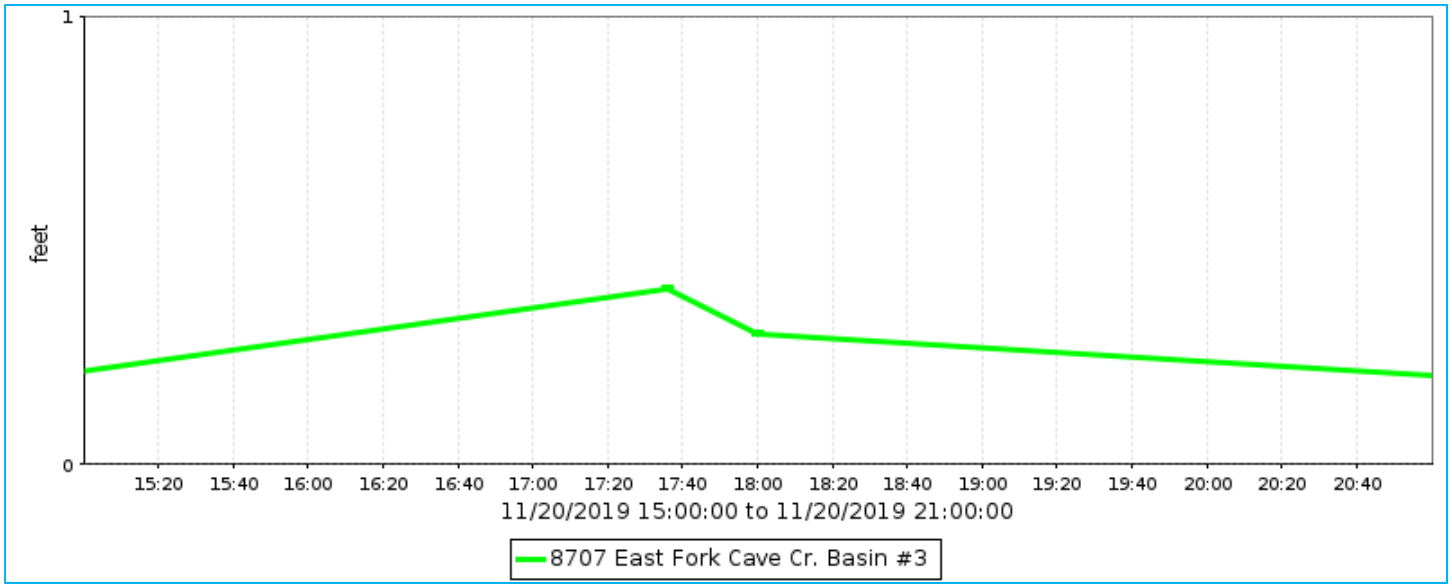




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	0.50	0.3	0.6
11/20/2019	0.70	0.4	0.8
11/29/2019	0.62	0.4	0.7
03/13/2020	0.50	0.3	0.5

Hydrograph of peak WY 2020 impoundment event, 11/20/2019



East Fork Cave Creek Basin #1, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					---					1		
9					---							
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20		1										
21												
22												
23												
24			1									
25												
26												
27			1									
28											1	
29		1										
30					---							
31		---			---		---		---			---
TOTAL	15	15	15	15	13	14	14	15	10	17	15	13
MEAN	0	1	0	0	0	0	0	0	0	1	0	0
MAX	0	6	2	0	0	3	0	0	0	2	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	30	30	30	30	27	29	29	30	20	34	30	26

WTR YR 2020 TOTAL 172 MEAN 0 MAX 6 MIN 0 AC_FT 342

East Fork Cave Creek Basin #1, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

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					---							
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24												
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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 2020 MEAN 0 MAX 0 MIN 0

East Fork Cave Creek Basin #1, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.3	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	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	0.0	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	0.0	0.2	0.2	0.2	0.0	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	0.3	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	0.7	0.3	0.2	0.2	0.5	0.2	0.2	0.2	0.3	0.2	0.2
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 2020 MEAN 0.23 MAX 0.70 MIN 0.23

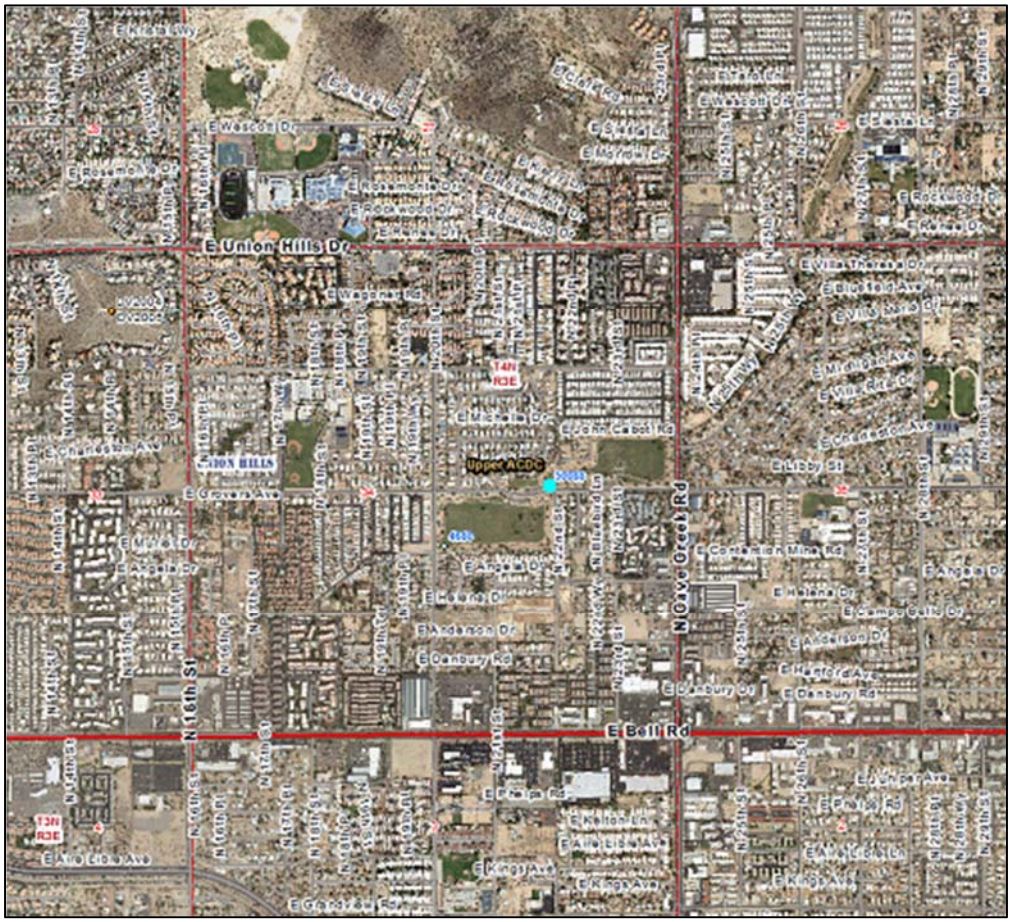
East Fork Cave Creek Basin #3A, ID #8807

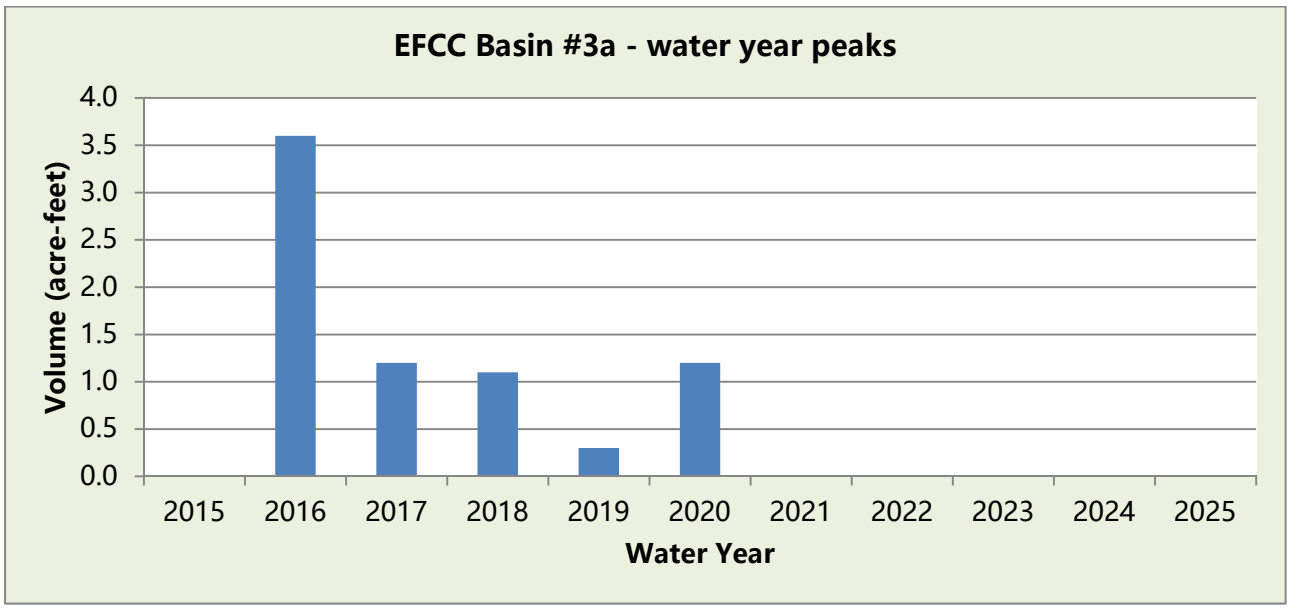


Site Data

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	4.97 Years | 1,814 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

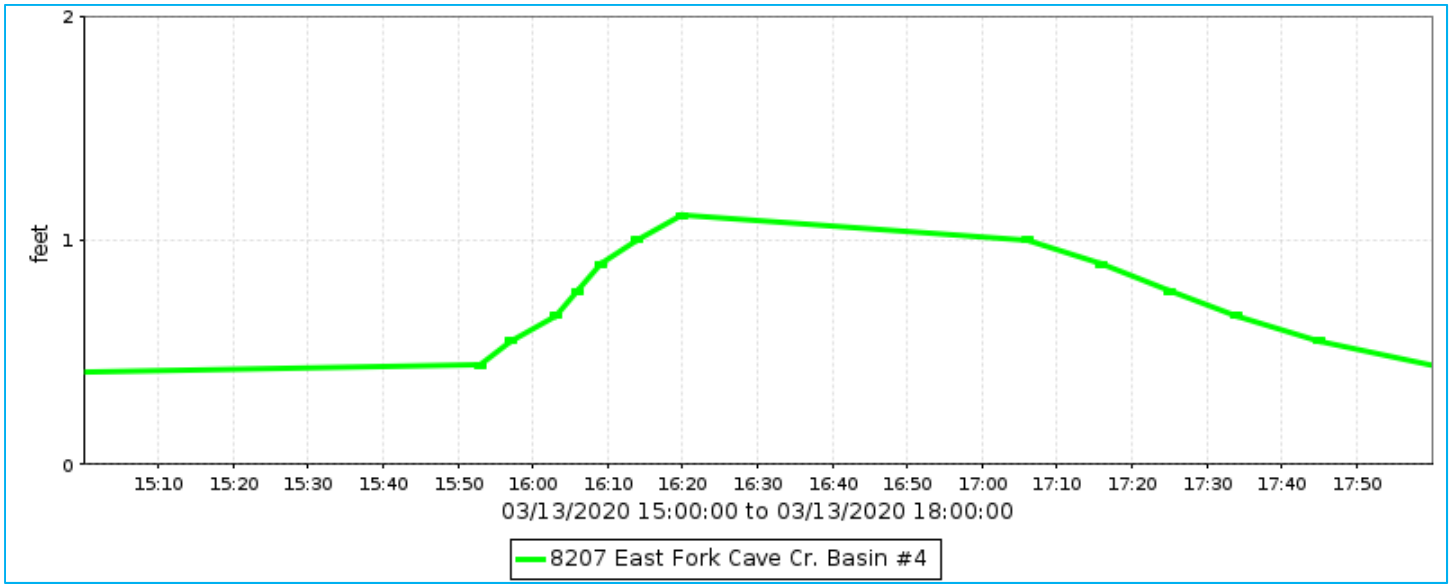




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	0.99	1.1	0.9
11/20/2019	0.97	1.0	0.9
11/29/2019	0.99	1.1	0.9
03/13/2020	1.07	1.2	1.0

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



EFCC Basin #3A, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		9										
21												
22												
23												
24			5									
25												
26												
27												
28												
29		2										
30					---							
31		---			---		---		---			---
TOTAL	0	11	5	0	0	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	29	28	0	0	31	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	22	11	0	0	1	0	0	0	0	0	0

WTR YR 2020 TOTAL 17 MEAN 0 MAX 31 MIN 0 AC_FT 35

EFCC Basin #3A, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
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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	1	1	0	0	1	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 1 MIN 0

EFCC Basin #3A, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.8	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	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	0.8	1.0	1.0	0.8	0.8	1.1	0.8	0.8	0.8	0.8	0.8	0.8
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 2020 MEAN 0.80 MAX 1.07 MIN 0.80

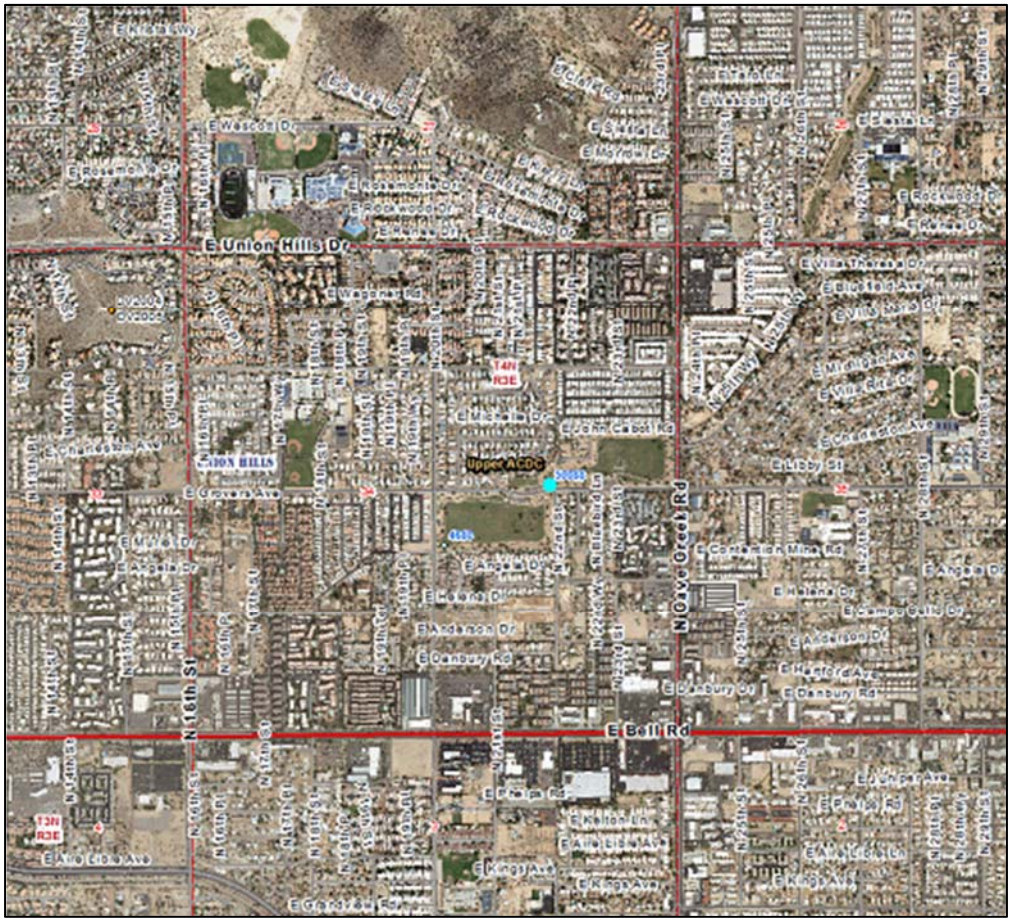
East Fork Cave Creek Basin #3B, ID #8707

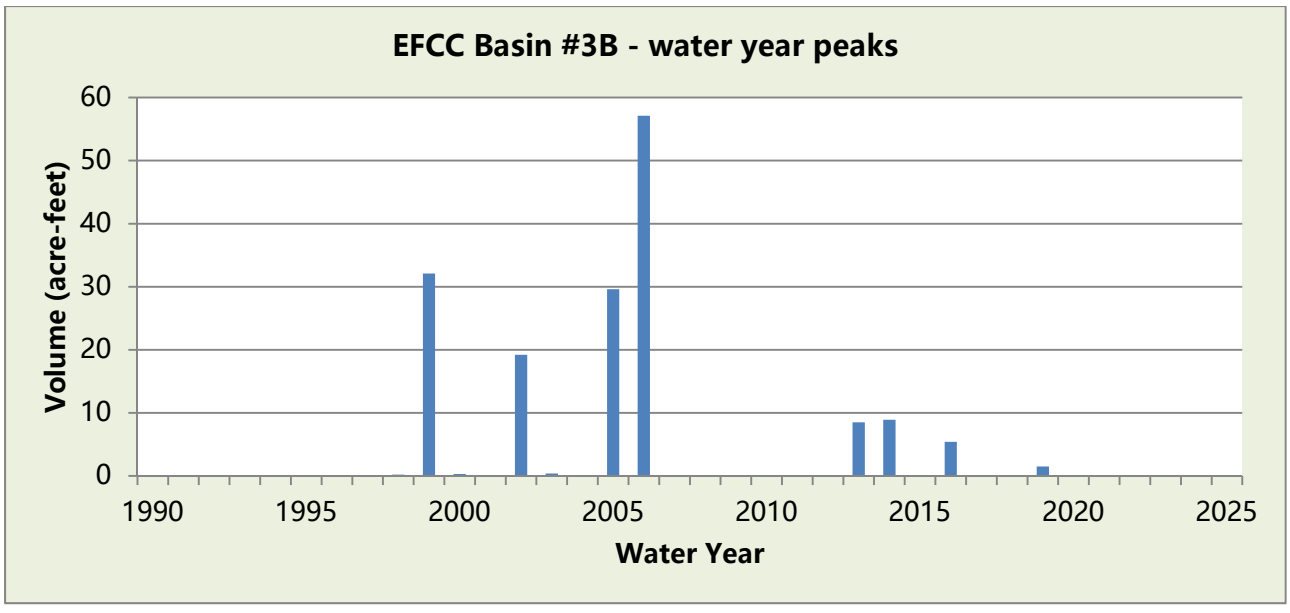


Site Data

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	26.05 Years | 9,515 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

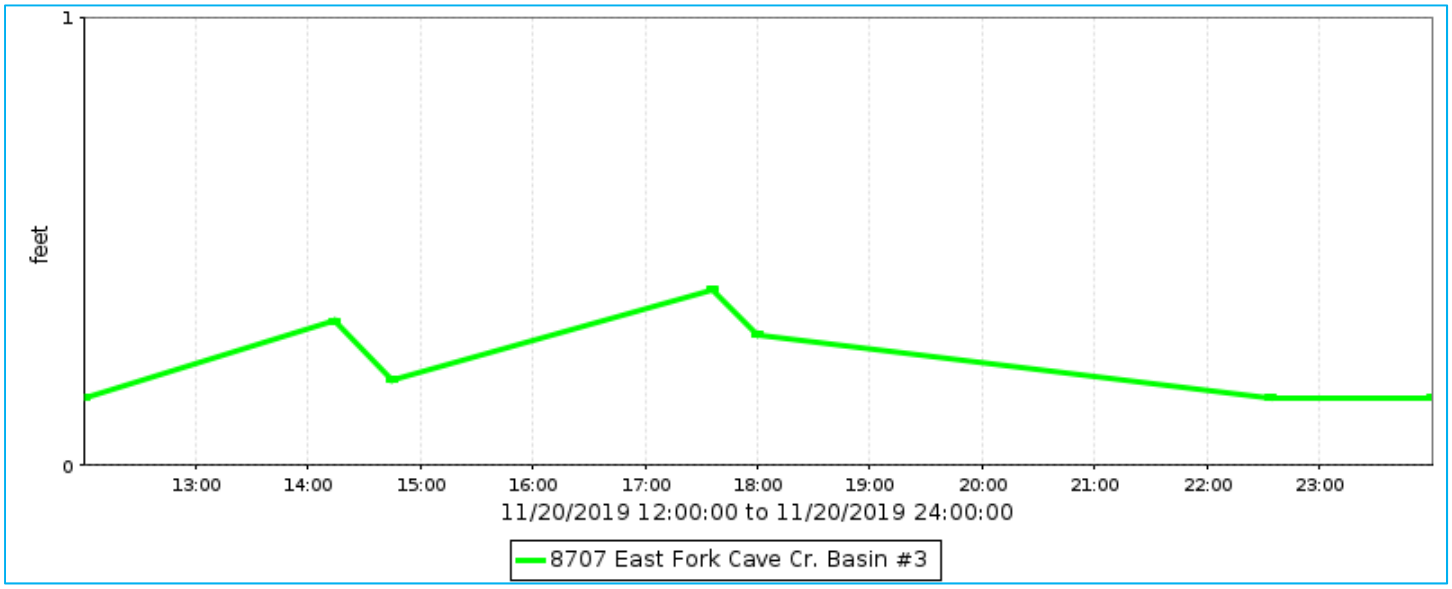




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	0.39	0.0	0.0
03/13/2020	0.32	0.0	0.0

Hydrograph of peak WY 2020 impoundment event, 11/20/2019



East Fork Cave Creek Basin #3B, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

East Fork Cave Creek Basin #3B, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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												
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17												
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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	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 2020 MEAN 0 MAX 0 MIN 0

East Fork Cave Creek Basin #3B, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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
8	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
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	0.2	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
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	0.2	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	0.1	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	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	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
MAX	0.1	0.4	0.1	0.1	0.1	0.3	0.1	0.1	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 2020 MEAN 0.15 MAX 0.39 MIN 0.15

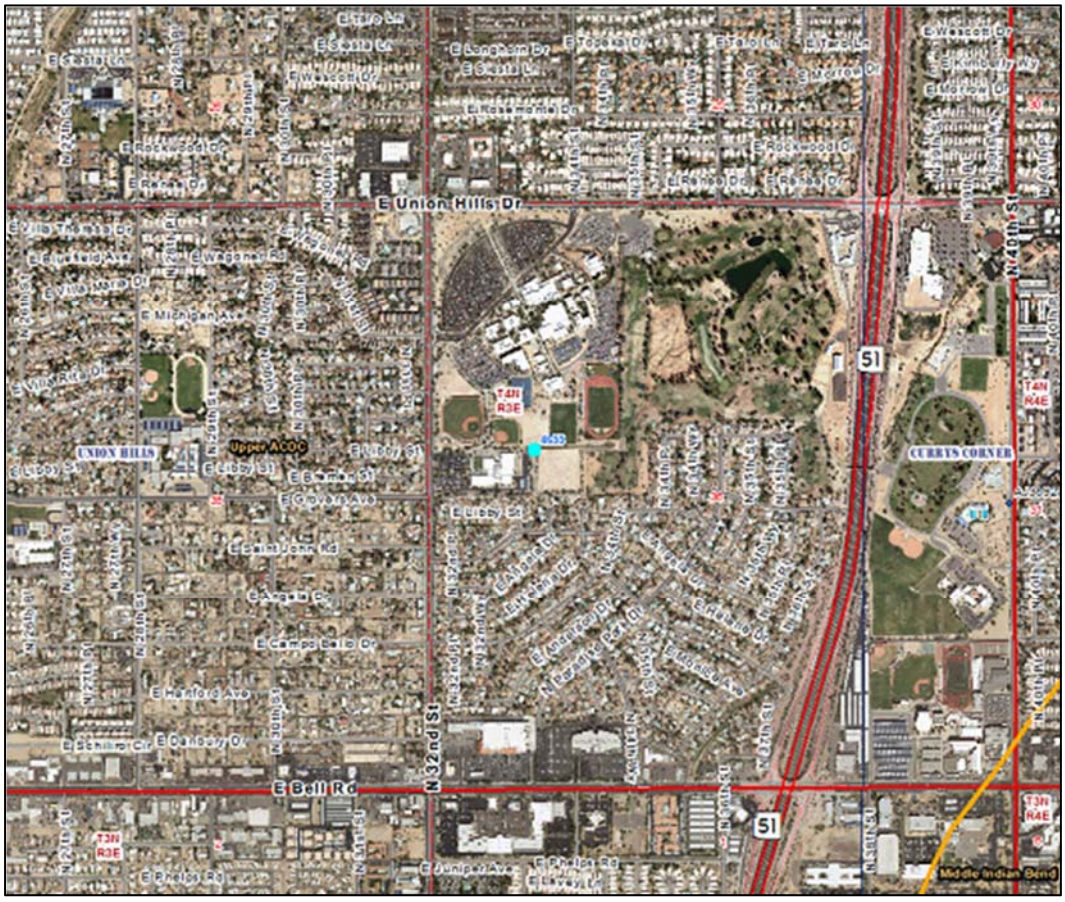
East Fork Cave Creek Basin #4 – ID #8207

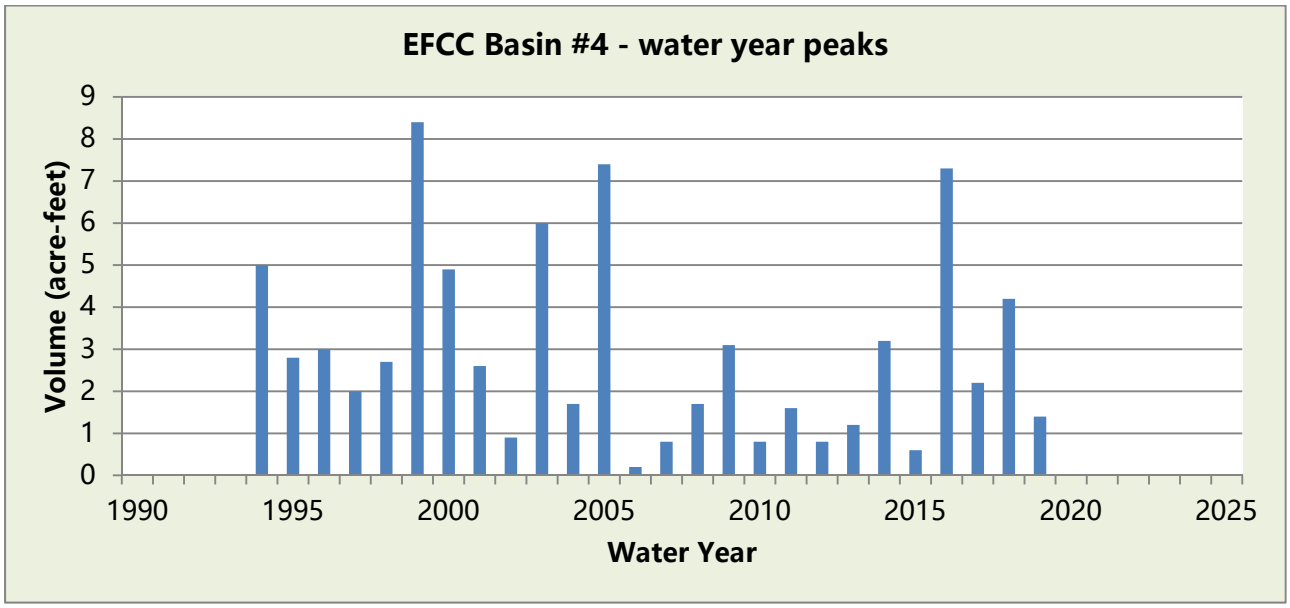


Site Data

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	26.70 Years | 9753 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*)

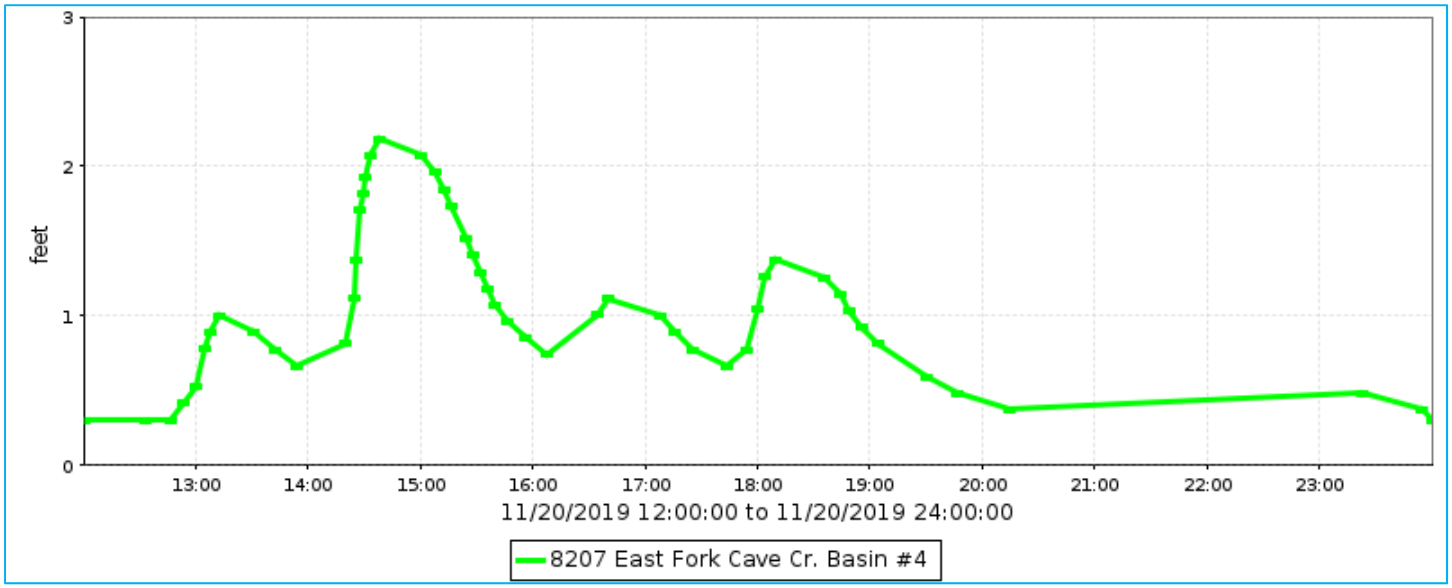




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	1.51	0.6	1.0
11/20/2019	2.18	1.4	2.0
11/29/2019	1.51	0.6	1.0
12/08/2019	0.85	0.3	0.4
12/09/2019	1.25	0.5	0.8
12/24/2019	1.23	0.4	0.6
12/25/2019	1.00	0.4	0.6
12/27/2019	1.25	0.5	0.8
02/22/2020	1.48	0.6	0.9
03/11/2020	1.33	0.5	0.8
03/12/2020	1.25	0.5	0.8
03/12/2020	1.99	0.9	1.7
03/13/2020	1.88	0.8	1.5
03/13/2020	1.11	0.4	0.6
03/18/2020	0.74	0.2	0.3

Hydrograph of peak WY 2020 impoundment event, 11/20/2019



East Fork Cave Creek Basin #4, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						1						
13						1						
14												
15												
16												
17												
18												
19												
20		2										
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	2	0	0	0	2	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	32	1	0	4	26	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	3	0	0	0	4	0	0	0	0	0	0

WTR YR 2020 TOTAL 4 MEAN 0 MAX 32 MIN 0 AC_FT 8

East Fork Cave Creek Basin #4, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

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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23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	1	1	0	1	1	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 1 MIN 0

East Fork Cave Creek Basin #4, stage data

Depth, in feet, Water Year October 2019 to September 2020

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
8	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	0.5	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	0.4	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.3	0.3	0.5	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	0.7	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	0.5	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	0.0	0.3	0.3	0.3	0.0	0.3	0.3
25	0.3	0.3	0.4	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	0.5	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	0.5	2.2	1.2	0.3	1.5	2.0	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 2020 MEAN 0.30 MAX 2.18 MIN 0.30

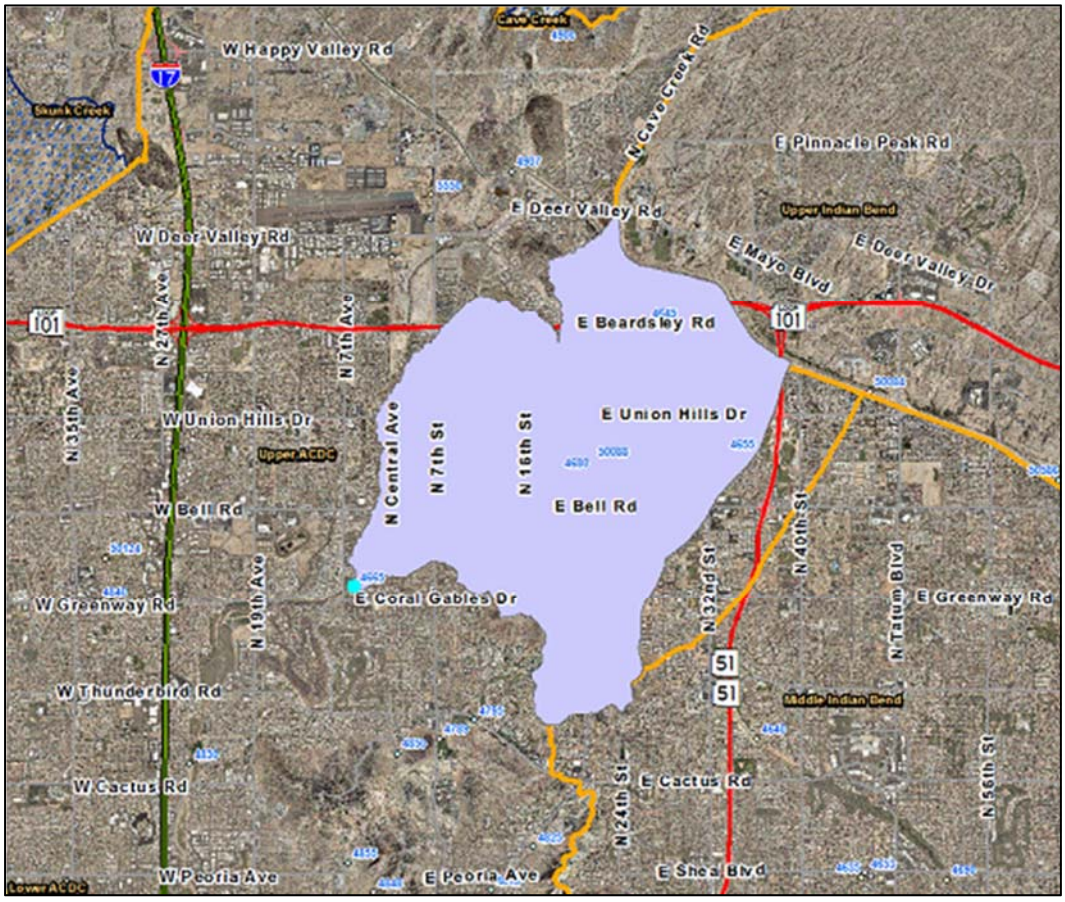
East Fork Cave Creek near 7th Avenue, ID #8507

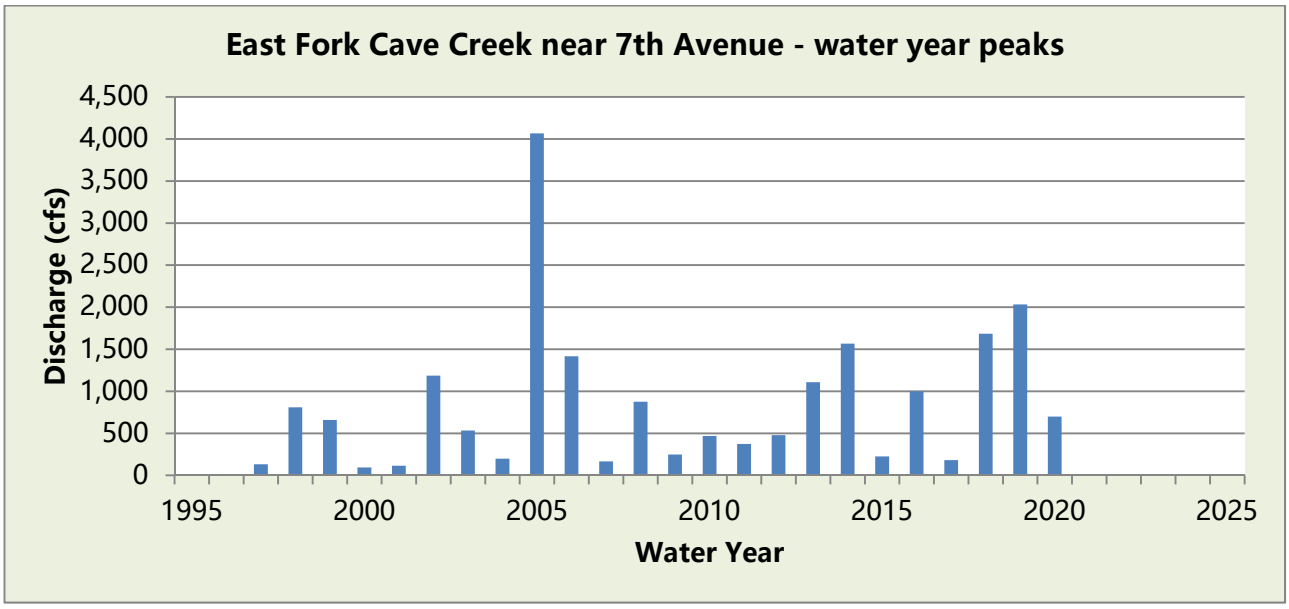


Site Data

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	23.40 Years | 8,547 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

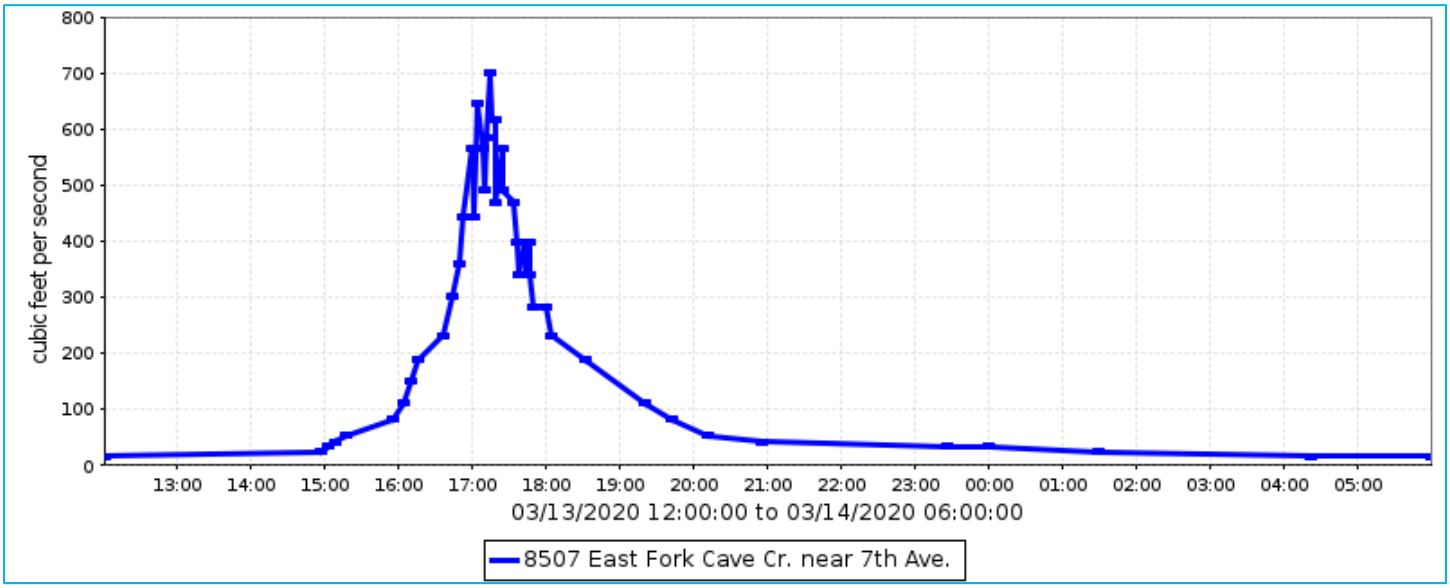




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	2.19	490
11/29/2019	2.19	490
12/08/2019	0.48	30
12/24/2019	0.33	20
12/25/2019	0.87	62
12/27/2019	0.97	81
02/11/2020	1.55	231
02/22/2020	1.65	266
03/11/2020	1.06	98
03/12/2020	1.31	162
03/12/2020	1.80	321
03/13/2020	2.14	467
03/13/2020	2.58	700
03/18/2020	0.77	48
07/25/2020	0.04	2

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
540	**1,260**	**1,950**	**2,780**	**4,140**	**5,390**
FEMA FIS					
		5,500		**8,200**	**9,400**

East Fork Cave Creek near 7th Avenue, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7					---							
8			13		---							
9					---							
10			2									
11					40	23						
12						51						
13						105						
14						11						
15												
16												
17												
18						7						
19						12						
20		121										
21		23										
22		9			53							
23					5							
24			9									
25			23							1		
26			4									
27			9									
28			11									
29		68										
30		3			---							
31		---			---		---		---			---
TOTAL	0	224	71	0	99	209	0	0	0	1	0	0
MEAN	0	7	2	0	3	7	0	0	0	0	0	0
MAX	0	490	81	0	266	700	0	0	0	2	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	444	140	0	196	415	0	0	0	2	0	0

WTR YR 2020 TOTAL 604 MEAN 2 MAX 700 MIN 0 AC_FT 1197

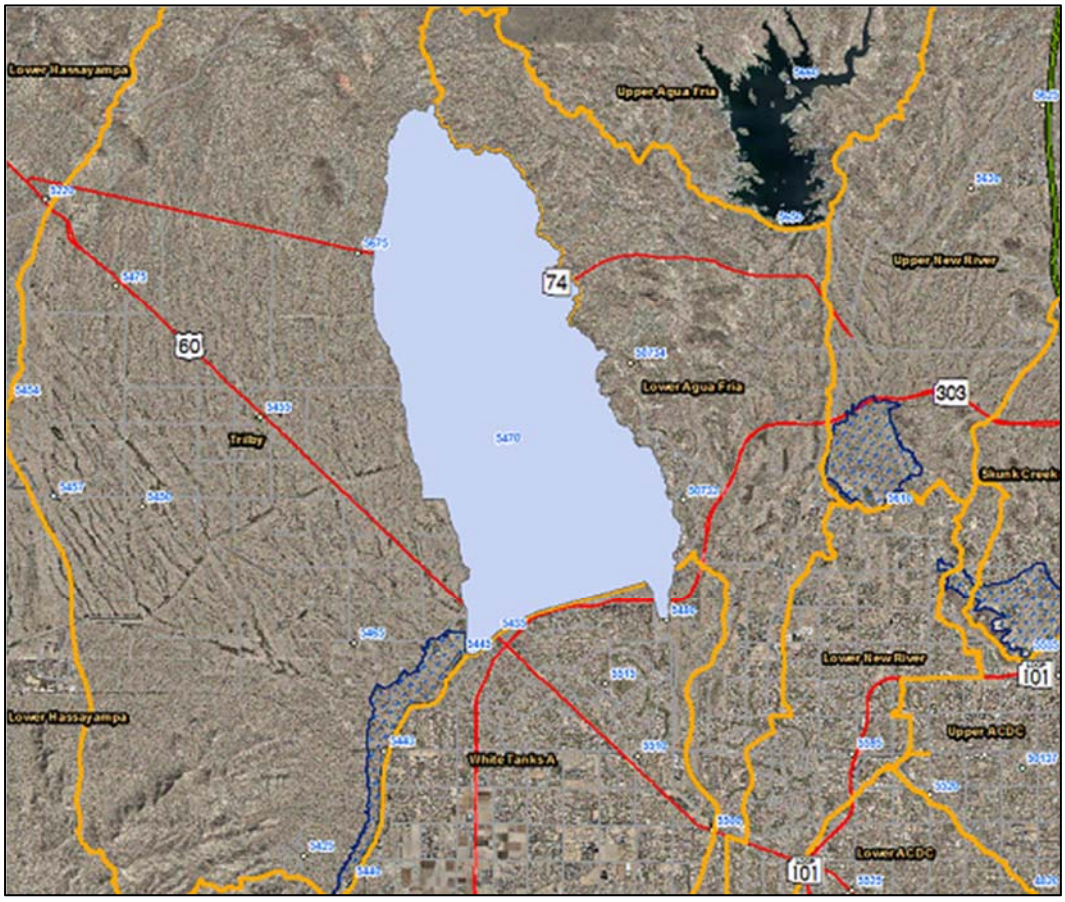
El Mirage Road Drain, ID #14507

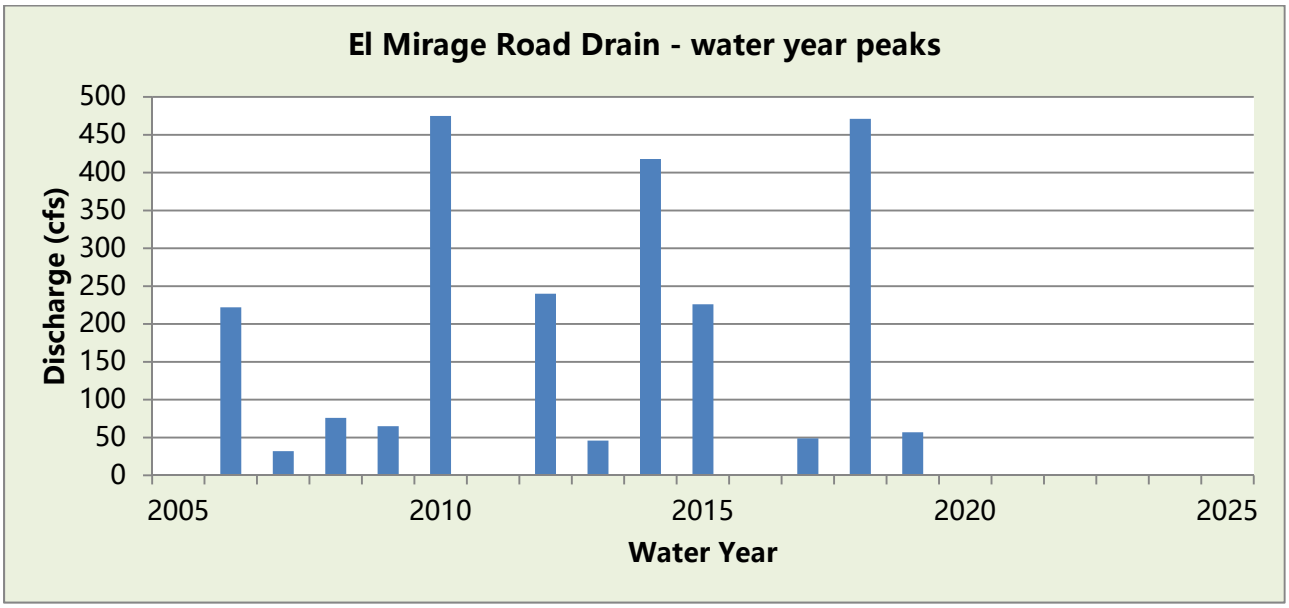


Site Data

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	14.62 Years | 5,341 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

Flood Flow Frequency

Flood Flow Frequency N=15, HEC-WRC computation (based on 15 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
73	**306**	**556**	**847**	**1,270**	**1,590**

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 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

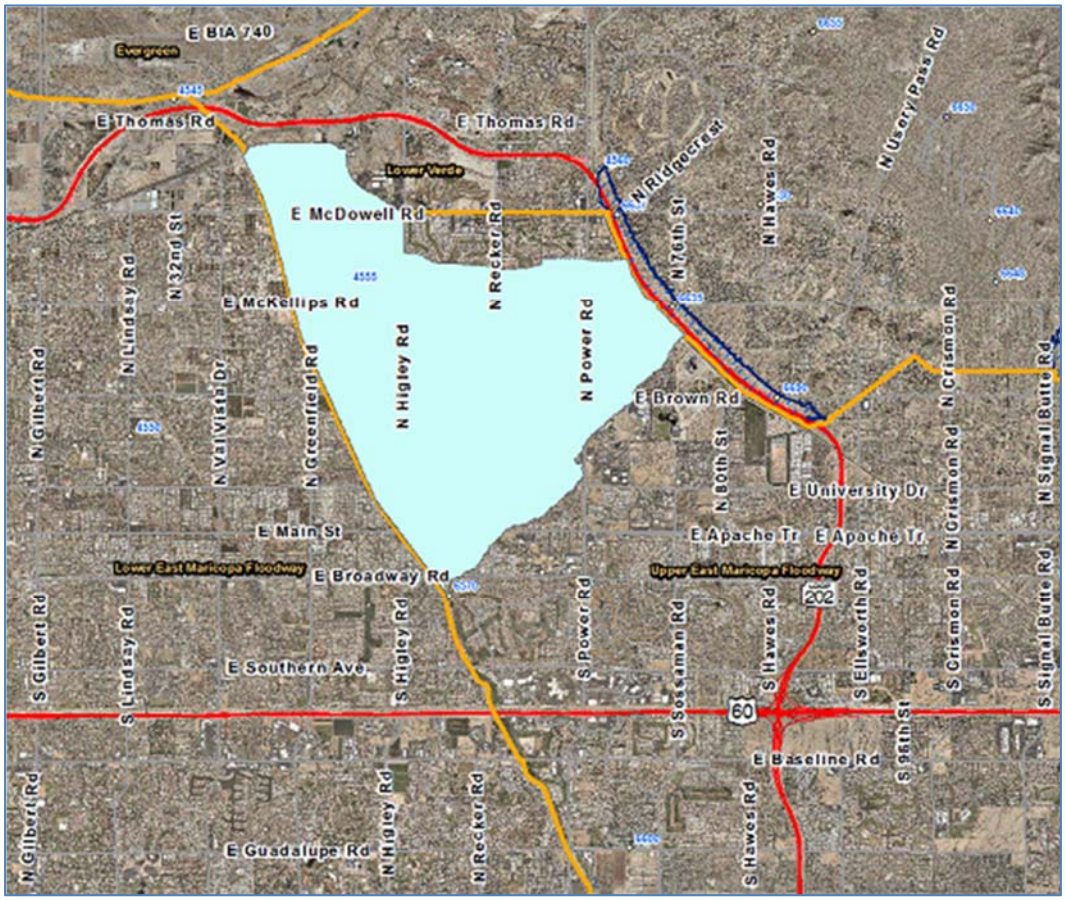
East Maricopa Floodway at Broadway Road, ID #34307

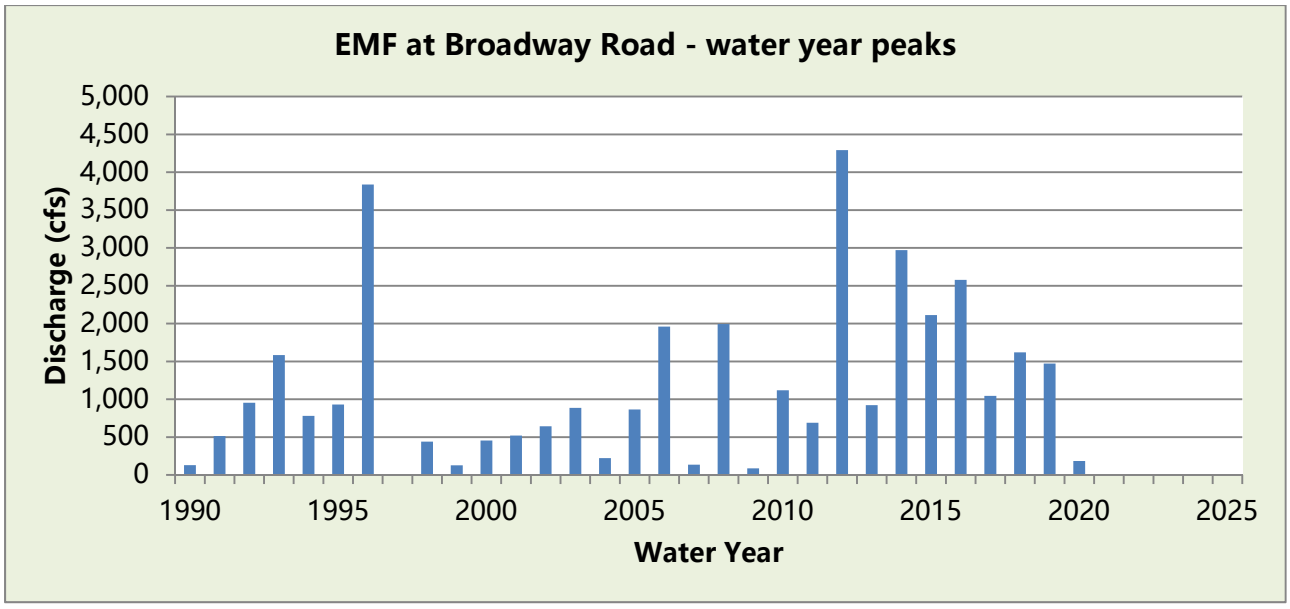


Site Data

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	30.08 Years | 10,986 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

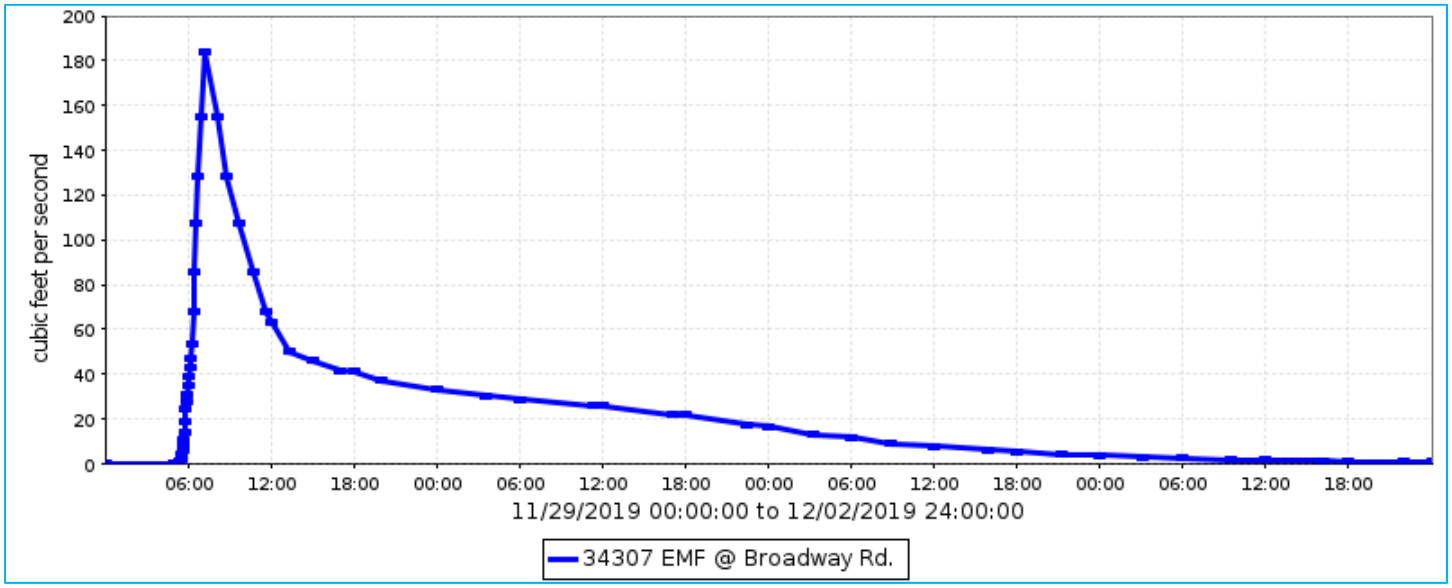




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/21/2019	0.95	76
11/29/2019	1.42	184
12/27/2019	0.51	40
02/23/2020	0.61	44
03/11/2020	0.72	48
03/18/2020	0.61	44
08/29/2020	-0.61	6

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
766	**1,770**	**2,630**	**3,570**	**4,940**	**6,060**

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

EMF at Broadway Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			9									
2			2									
3												
4												
5												
6												
7												
8												
9												
10			3									
11			1		6	24						
12					4	27						
13					1	23						
14						6						
15						1						
16												
17												
18						10						
19						31						
20		15				13						
21		41				3						
22		30			12							
23		12			35							
24		2			16							
25			19		4							
26			27		1							
27			34									
28			24									
29		52	6									
30		27	1		---						3	
31		---			---		---		---			---
TOTAL	0	179	128	0	79	138	0	0	0	0	3	0
MEAN	0	6	4	0	3	4	0	0	0	0	0	0
MAX	0	184	40	0	44	48	0	0	0	0	6	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	355	253	0	157	273	0	0	0	0	6	0

WTR YR 2020 TOTAL 527 MEAN 1 MAX 184 MIN 0 AC_FT 1044

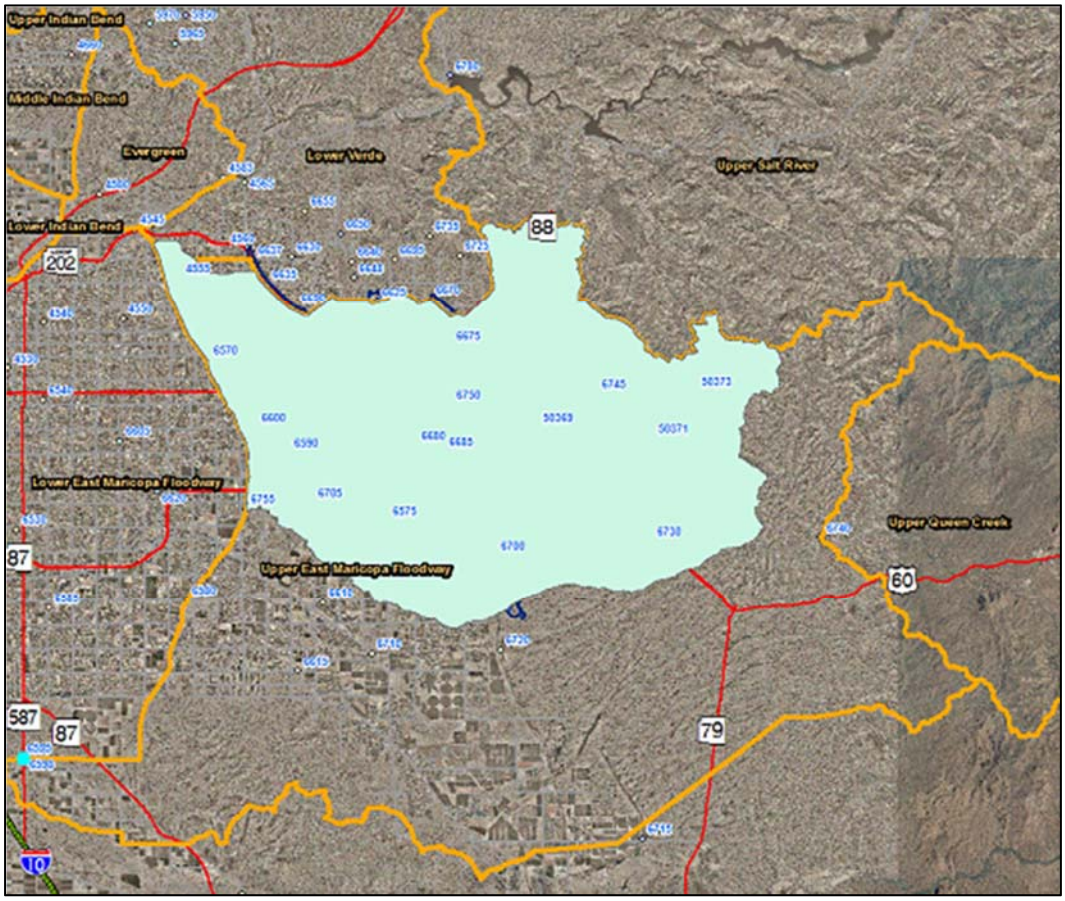
East Maricopa Fldwy below Powerline Floodway, ID #33707

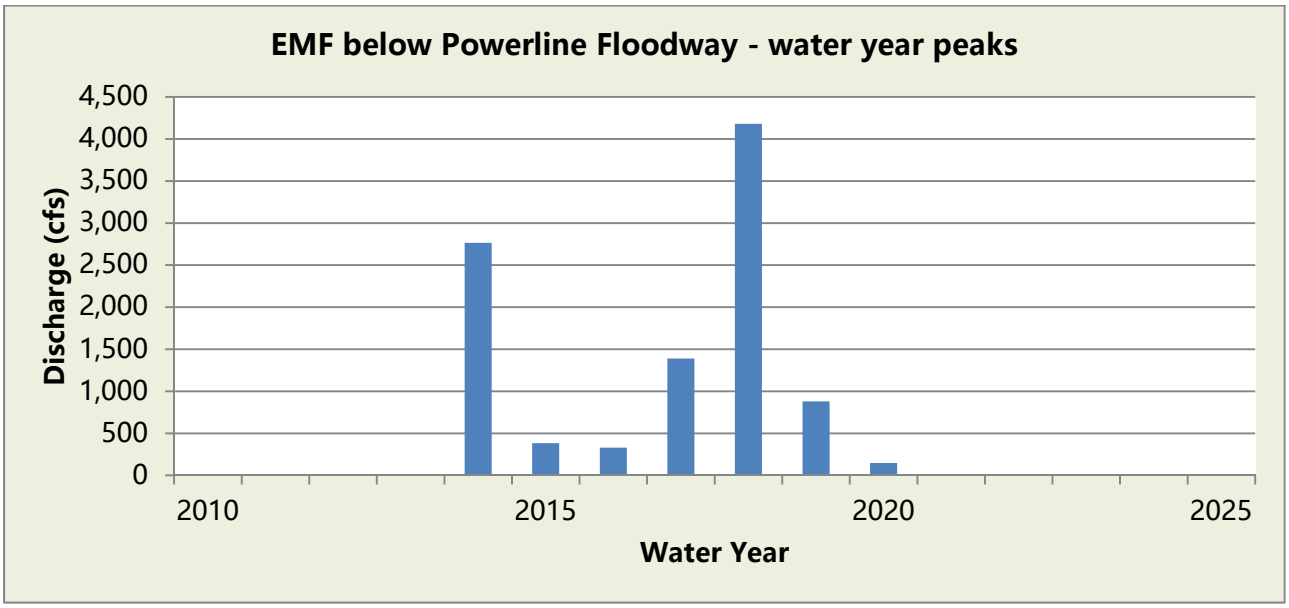


Site Data

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	6.46 Years | 2,361 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

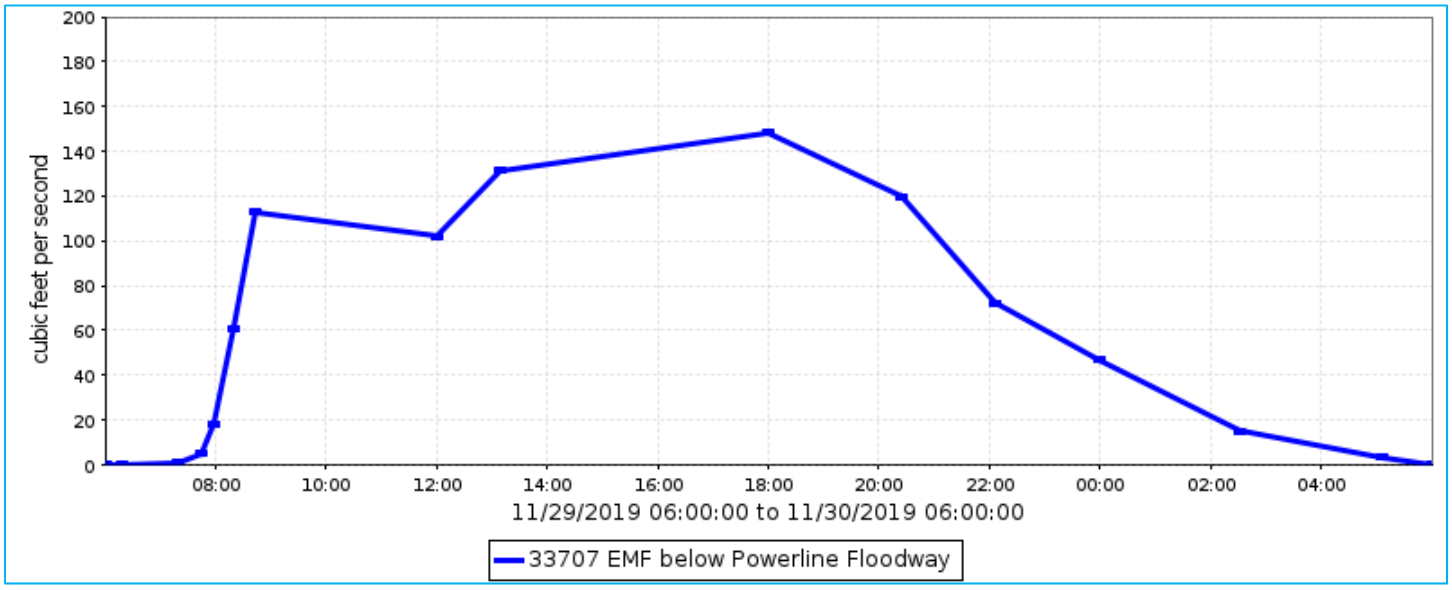




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/22/2019	0.90	72
11/29/2019	1.15	148

Hydrograph of peak WY 2020 flow event, 11/29/2019



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 2019 to September 2020

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		14										
22		13										
23												
24												
25												
26												
27												
28												
29		77										
30		7			---							
31		---			---		---		---			---
TOTAL	0	111	0	0	0	0	0	0	0	0	0	0
MEAN	0	4	0	0	0	0	0	0	0	0	0	0
MAX	0	148	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	220	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 111 MEAN 0 MAX 148 MIN 0 AC_FT 220

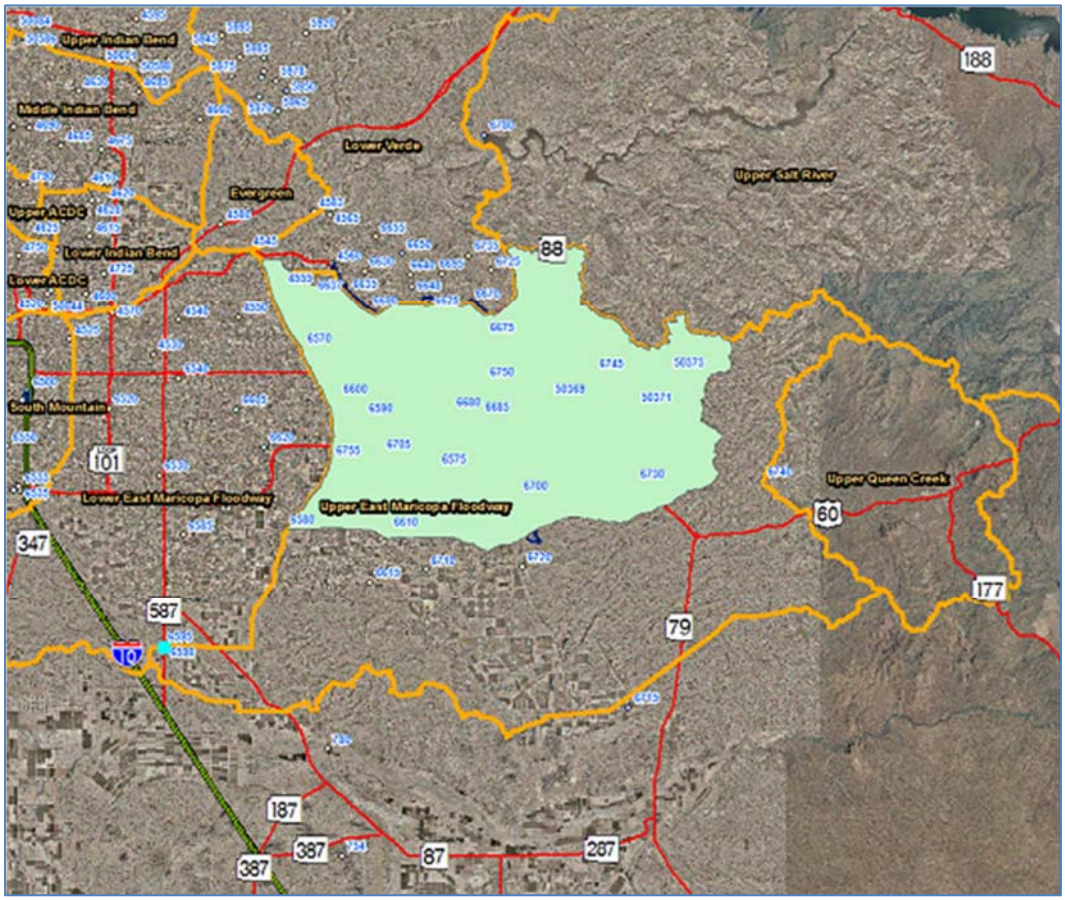
East Maricopa Floodway at Queen Creek Road, ID #34807

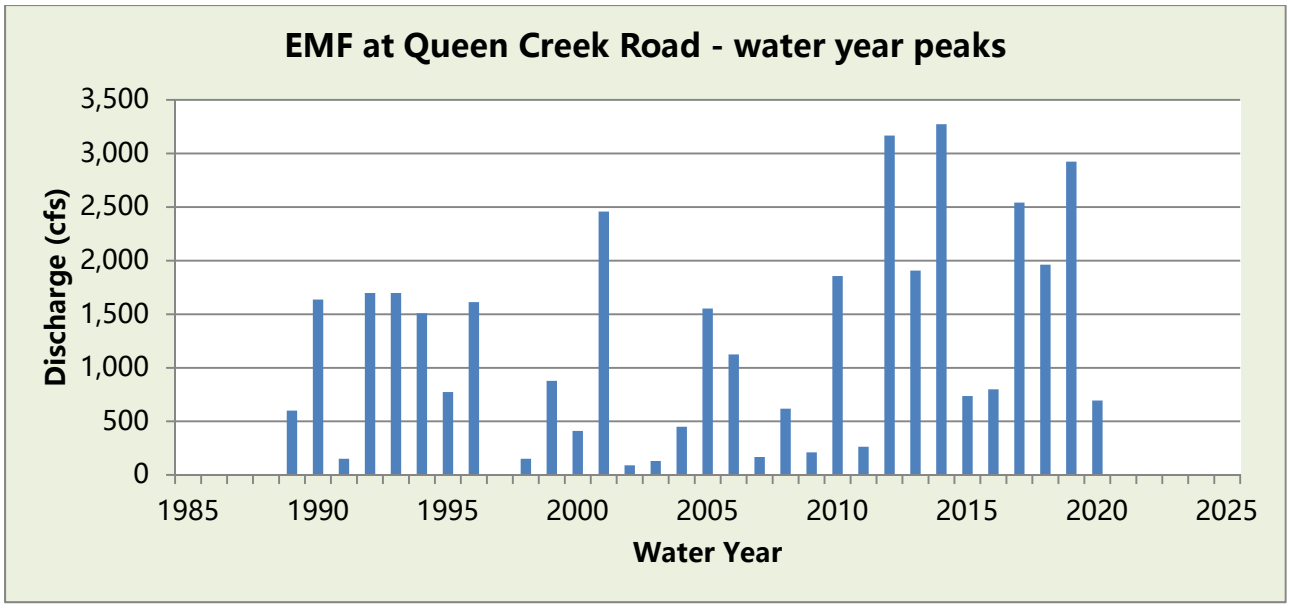


Site Data

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	31.70 Years | 11,579 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

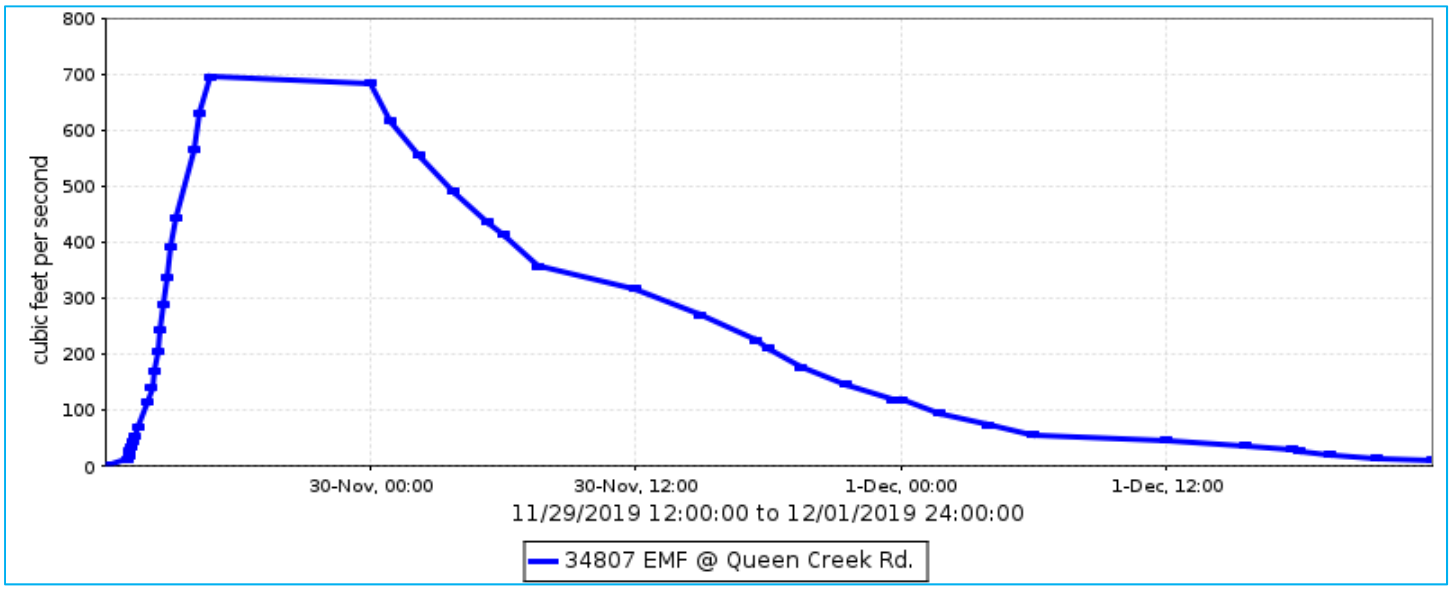




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/22/2019	1.67	514
11/29/2019	2.02	695
12/26/2019	0.05	43
12/28/2019	-0.05	36
02/11/2020	0.33	77
02/23/2020	0.15	51
03/12/2020	0.13	49
03/13/2020	-0.20	27
03/19/2020	1.12	277

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
863	**2,040**	**2,930**	**3,820**	**4,930**	**5,720**

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

EMF at Queen Creek Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			52									
2			2									
3												
4												
5												
6												
7												
8												
9												
10												
11					30	13						
12						44						
13						17						
14						11						
15												
16												
17												
18						47						
19						177						
20		5				156						
21		191				123						
22		367			1	108						
23		63			44	50						
24		8			11							
25			1									
26			32									
27			21									
28			26									
29		258										
30		346			---							
31		---			---		---		---			---
TOTAL	0	1238	135	0	86	747	0	0	0	0	0	0
MEAN	0	41	4	0	3	24	0	0	0	0	0	0
MAX	0	695	94	0	77	277	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	2456	267	0	171	1481	0	0	0	0	0	0

WTR YR 2020 TOTAL 2206 MEAN 6 MAX 695 MIN 0 AC_FT 4376

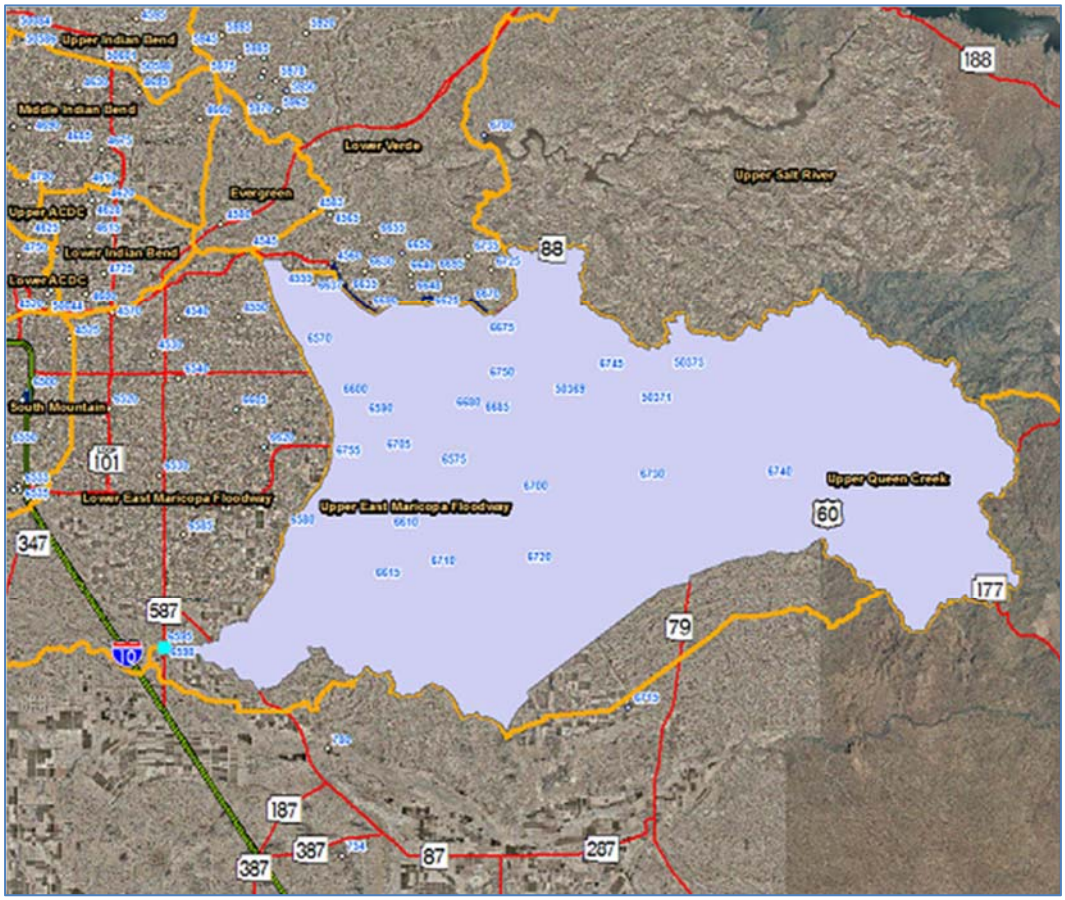
East Maricopa Floodway at Arizona Avenue, ID #35507

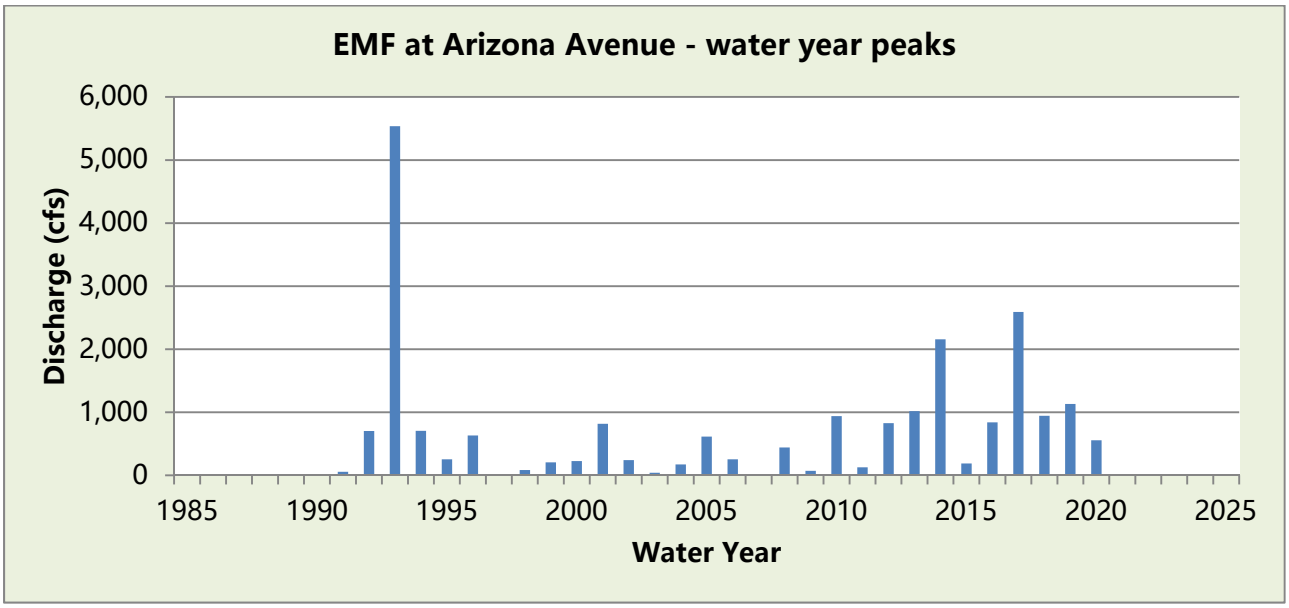


Site Data

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	31.64 Years | 11,556 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

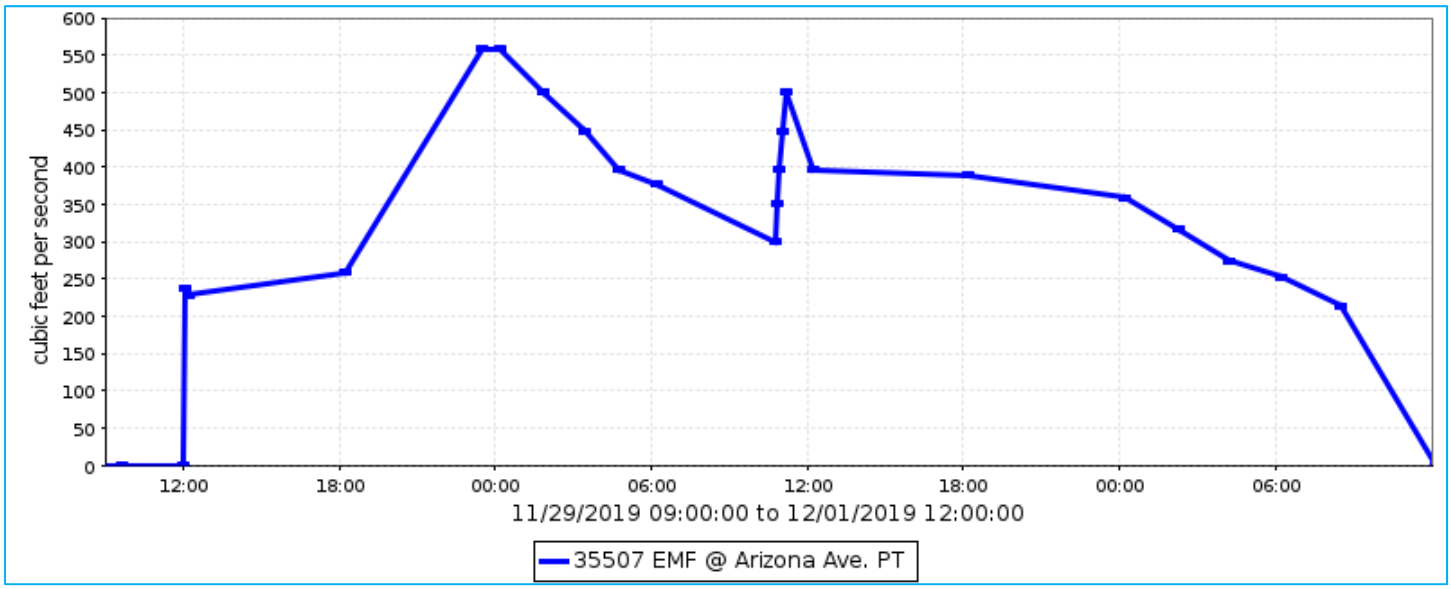




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	1.67	558
12/25/2019	0.87	253

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
344	**1,030**	**1,760**	**2,670**	**4,180**	**5,560**

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

EMF at Arizona Avenue, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			140									
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25			94									
26												
27												
28												
29		127										
30		417			---							
31		---			---		---		---			---
TOTAL	0	544	234	0	0	0	0	0	0	0	0	0
MEAN	0	18	8	0	0	0	0	0	0	0	0	0
MAX	0	558	359	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	1080	464	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 778 MEAN 2 MAX 558 MIN 0 AC_FT 1543

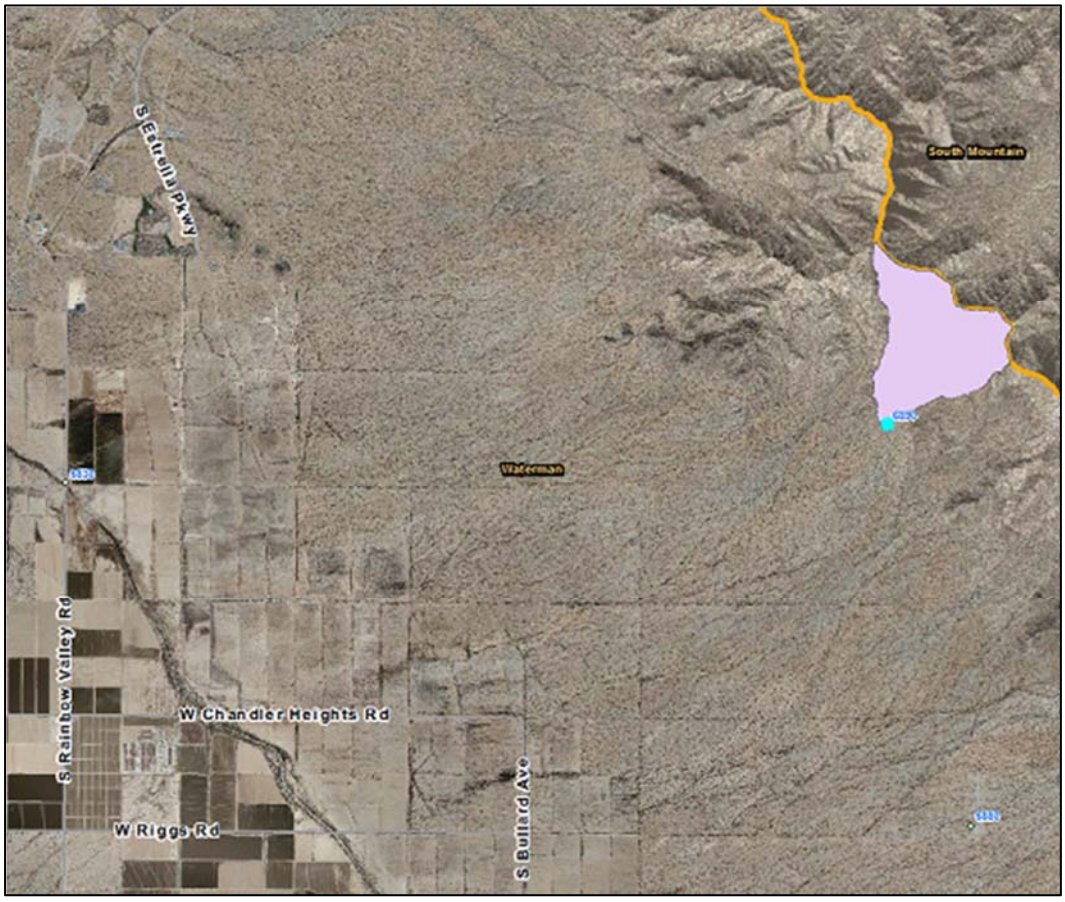
Estrella Fan, ID #84207

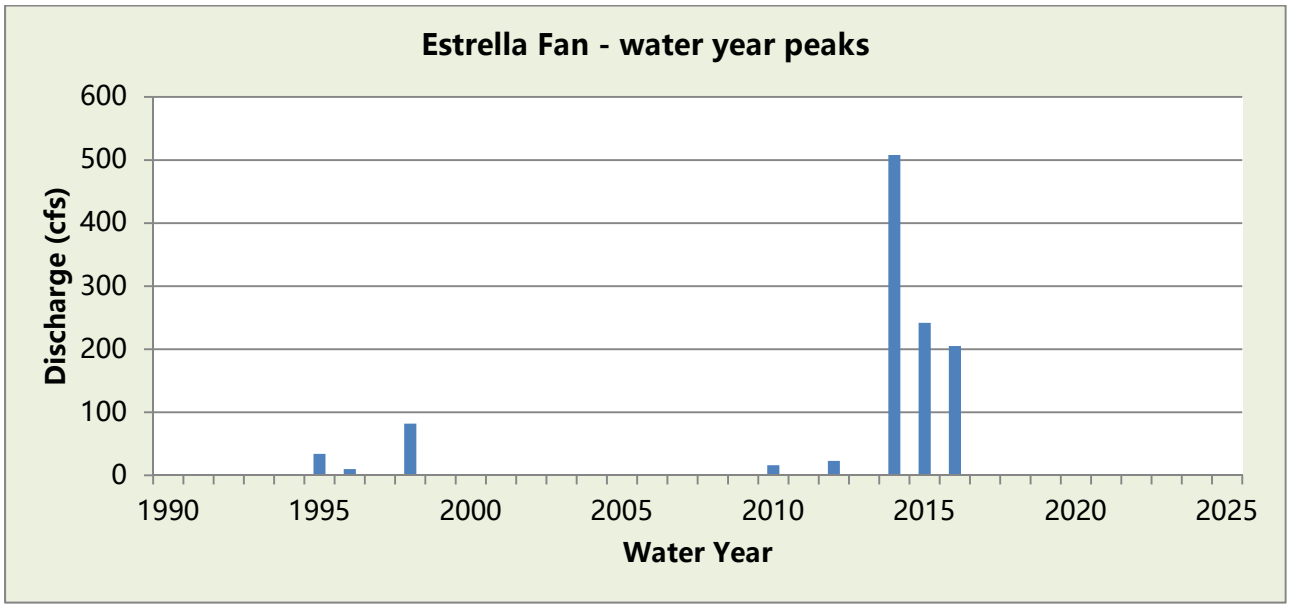


Site Data

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	27.42 Years | 10,016 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff events occurred in Water Year 2020.

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 2019 to September 2020

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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16												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

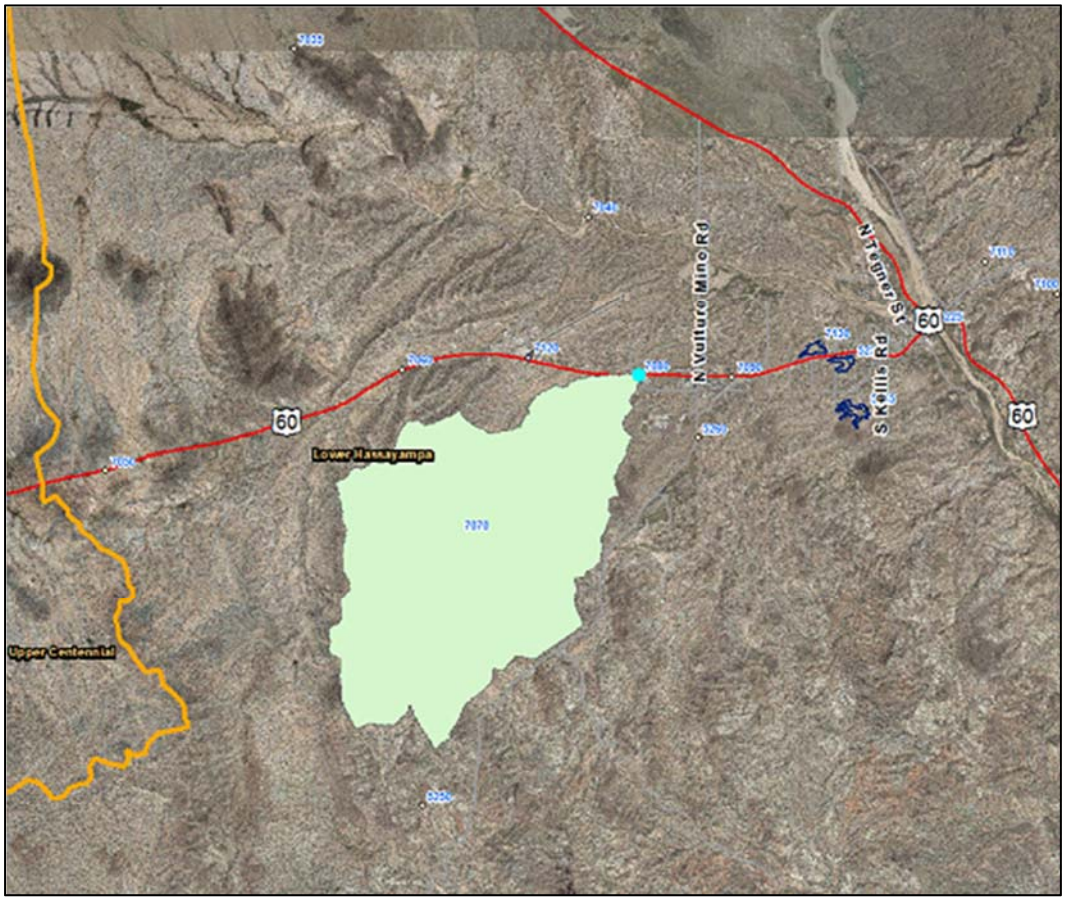
Flying E Wash, ID #51707

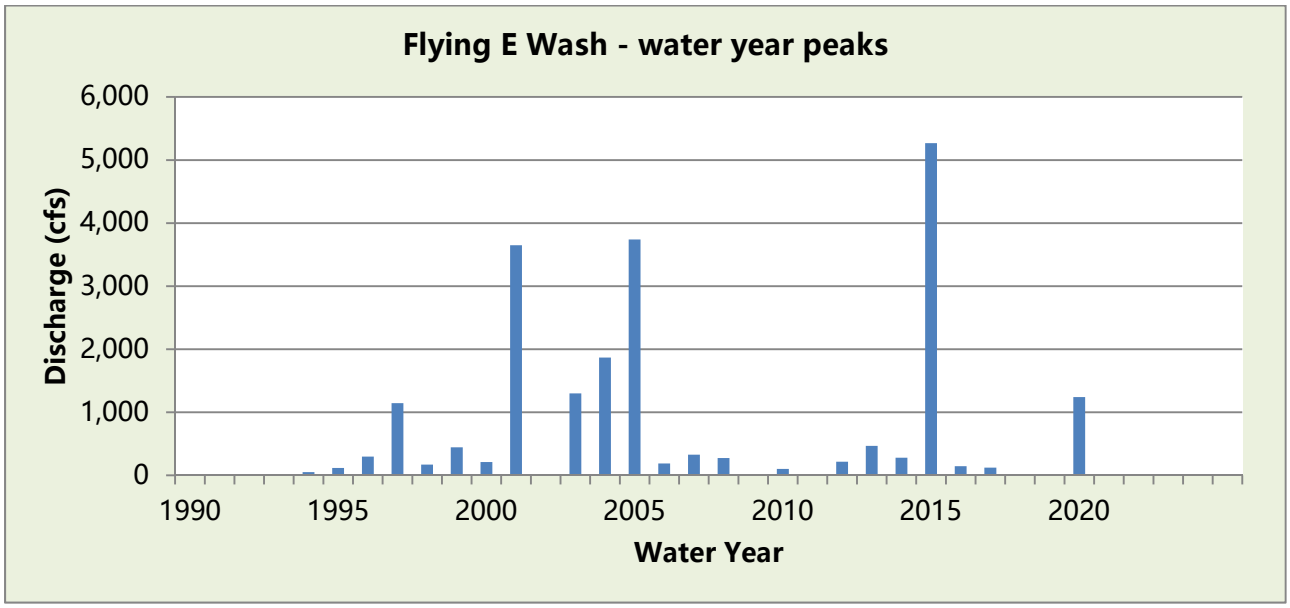


Site Data

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	26.22 Years | 9,578 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





WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
Unknown (see Note)	2.80	1,242

Note: Peak recovered from crest-stage gage, but date of event is uncertain.

Hydrograph of peak WY 2020 flow event,

No runoff data available for peak runoff event..

Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
253	**1,110**	**2,200**	**3,700**	**6,320**	**8,800**

NOTE: These results are based on limited data.

Flying E Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

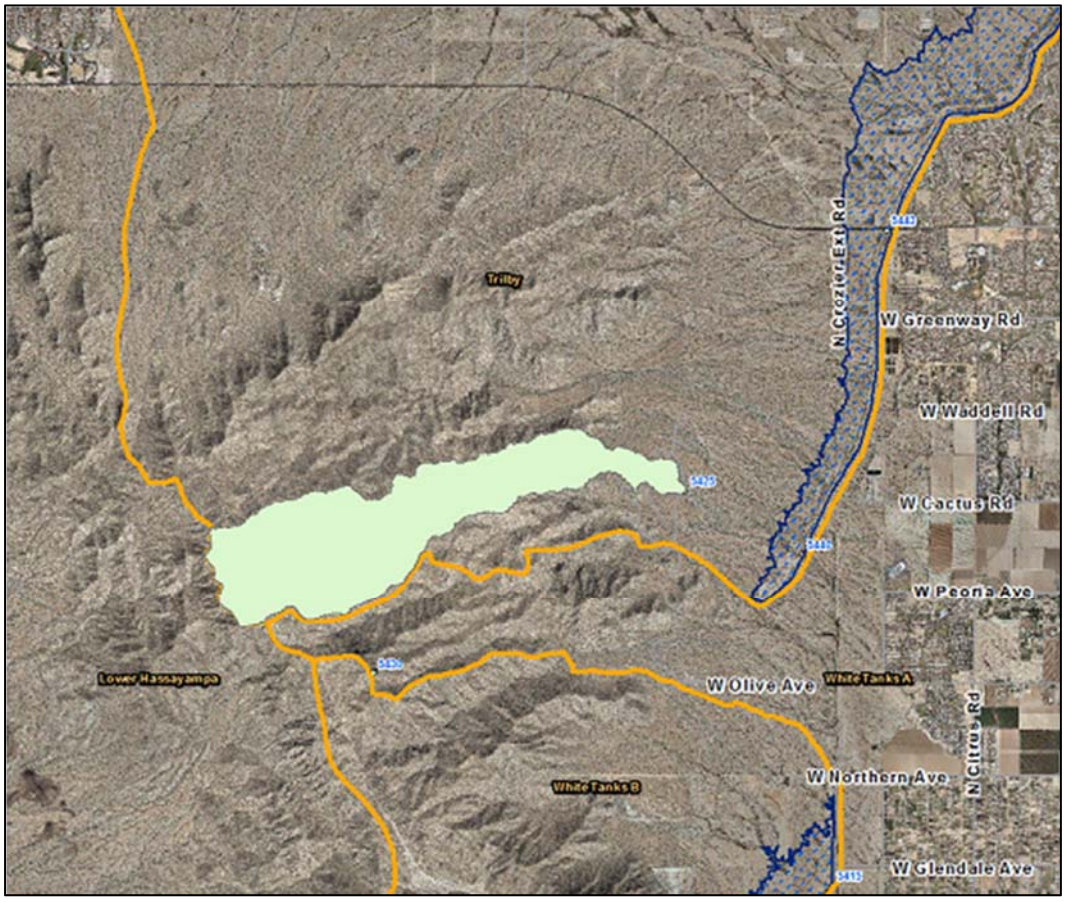
Ford Canyon Wash, ID #86207

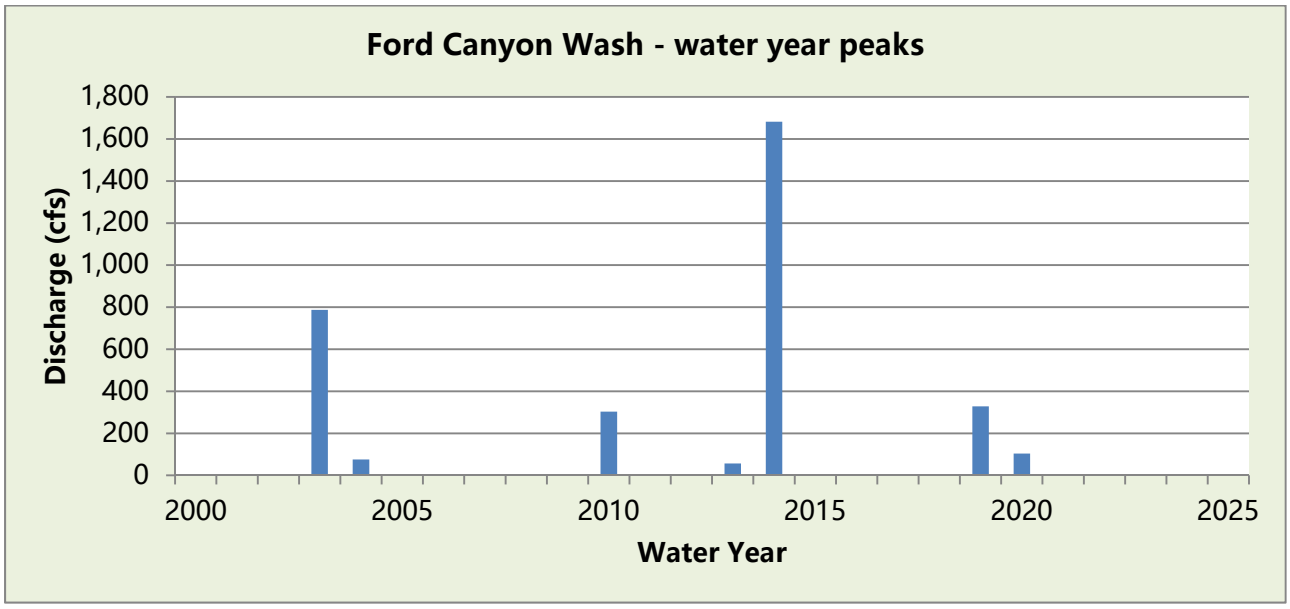


Site Data

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	18.65 Years | 6,813 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

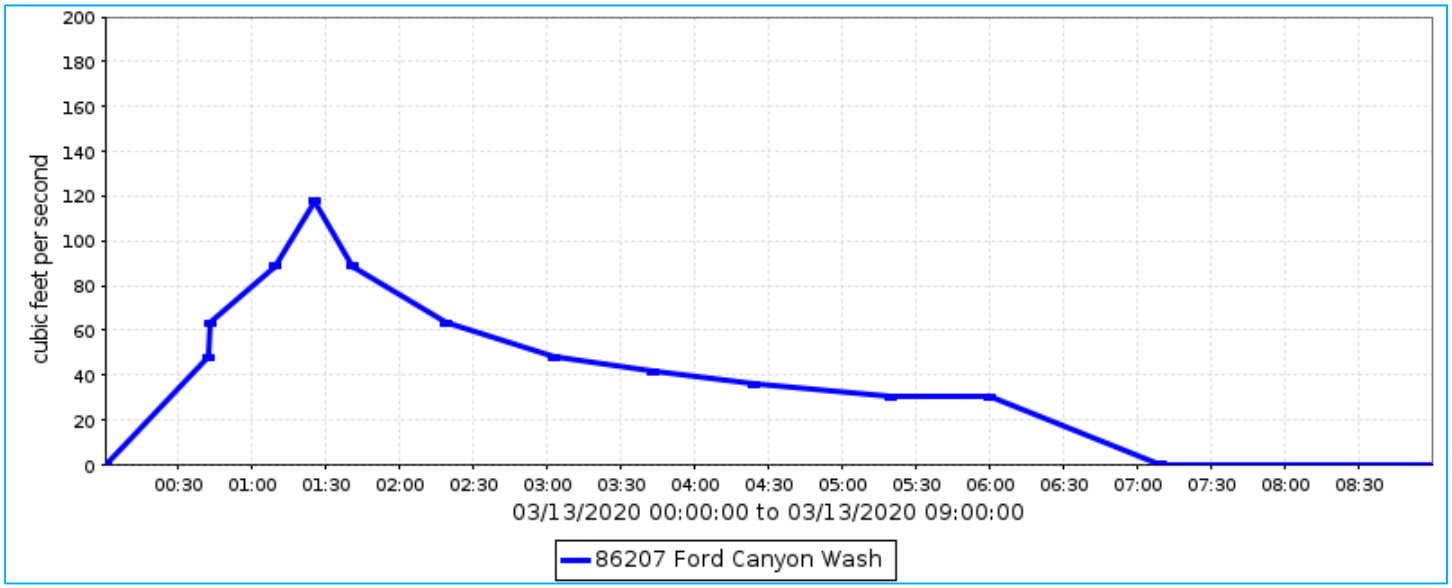




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
03/13/2020	1.56	104

Hydrograph of peak WY 2020 flow event, 03/13/2020



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 2019 to September 2020

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												
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22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	14	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	118	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	28	0	0	0	0	0	0

WTR YR 2020 TOTAL 14 MEAN 0 MAX 118 MIN 0 AC_FT 28

Fourth of July Wash, ID #41207

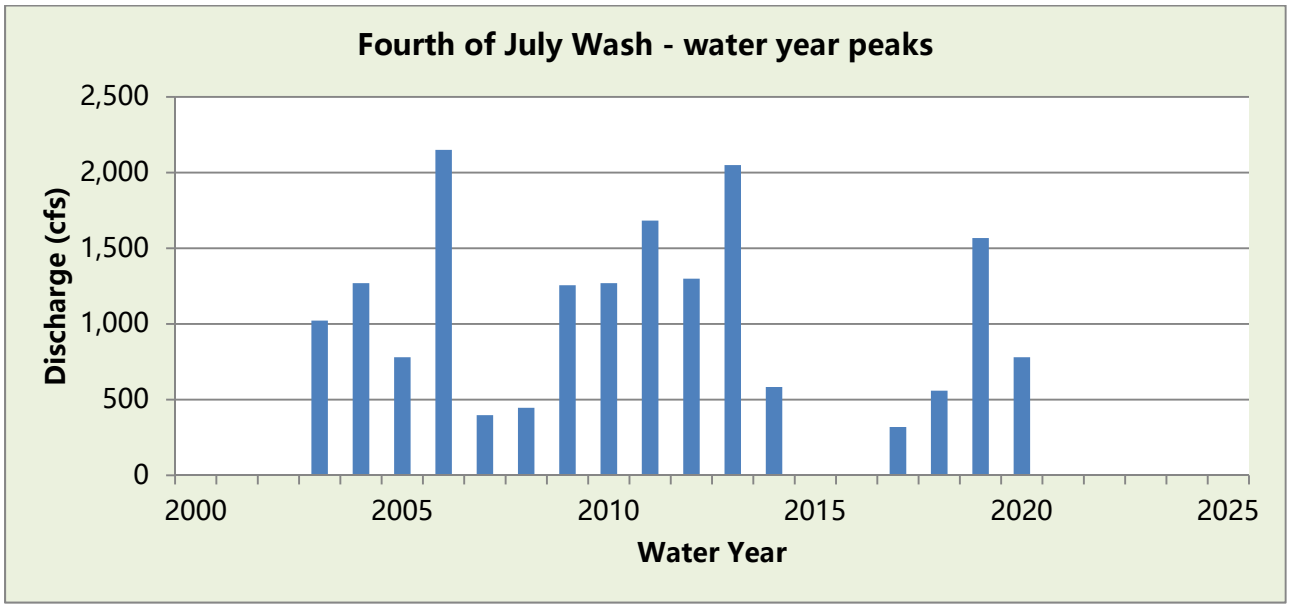


Site Data

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	18.55 Years | 6,776 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

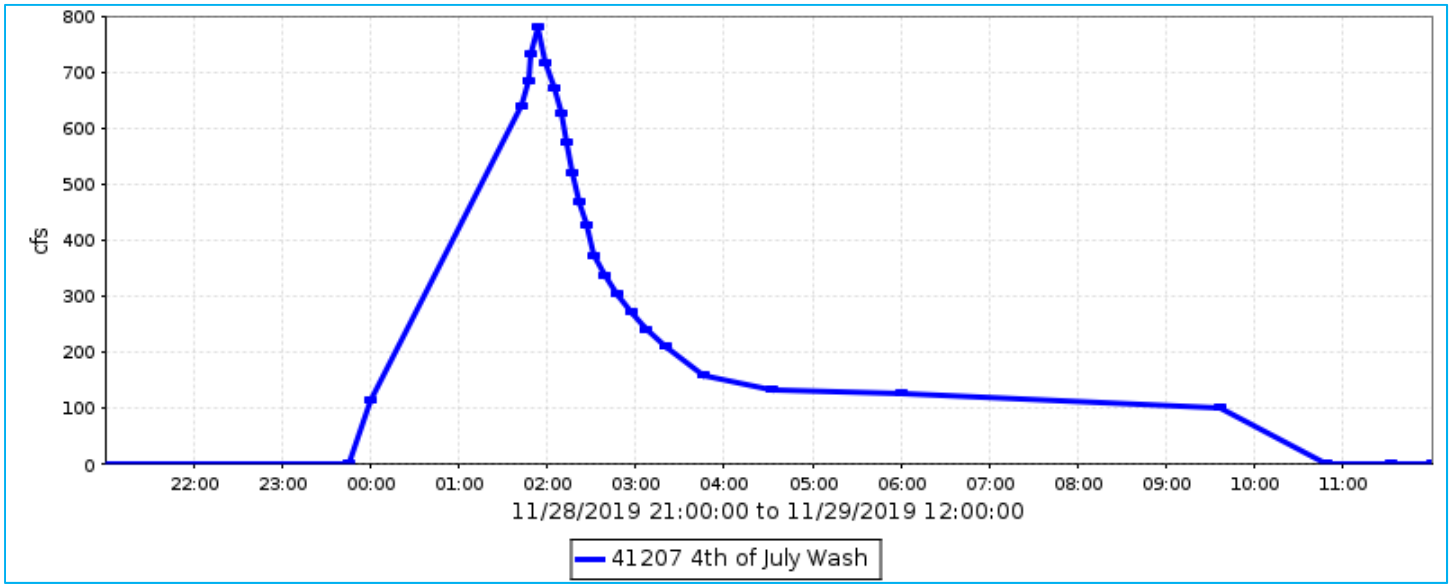




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	2.20	781
03/12/2020	0.83	234

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
843	**1,440**	**1,850**	**2,240**	**2,730**	**3,100**

NOTE: These results are based on very limited data.

Fourth of July Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						15						
13						14						
14		---										
15		---										
16		---										
17		---										
18		---										
19		---										
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		80										
30					---							
31		---			---		---		---			---
TOTAL	0	80	0	0	0	29	0	0	0	0	0	0
MEAN	0	3	0	0	0	1	0	0	0	0	0	0
MAX	0	781	0	0	0	234	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	158	0	0	0	57	0	0	0	0	0	0

WTR YR 2020 TOTAL 109 MEAN 0 MAX 781 MIN 0 AC_FT 216

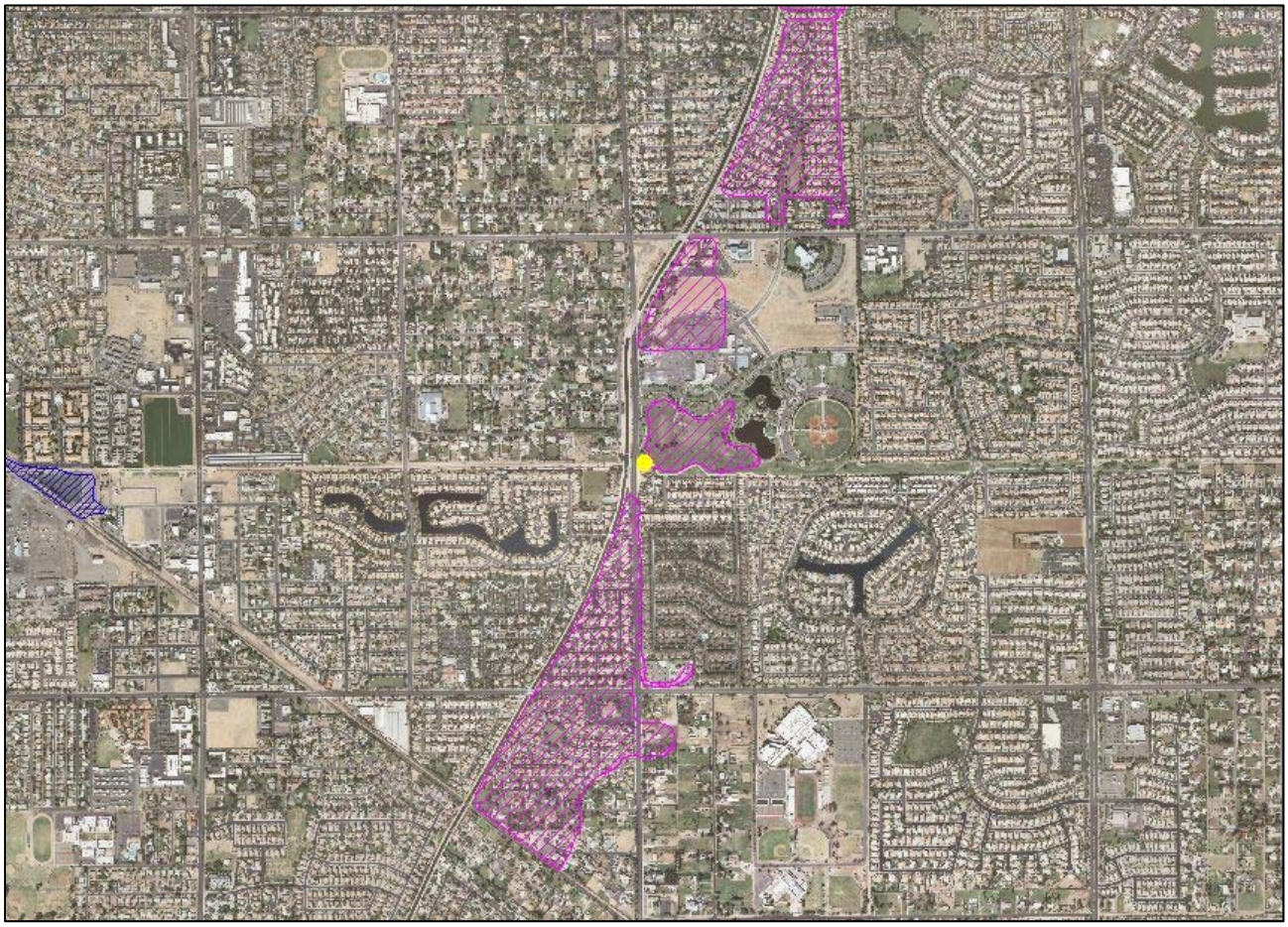
Freestone Basin, ID #32807

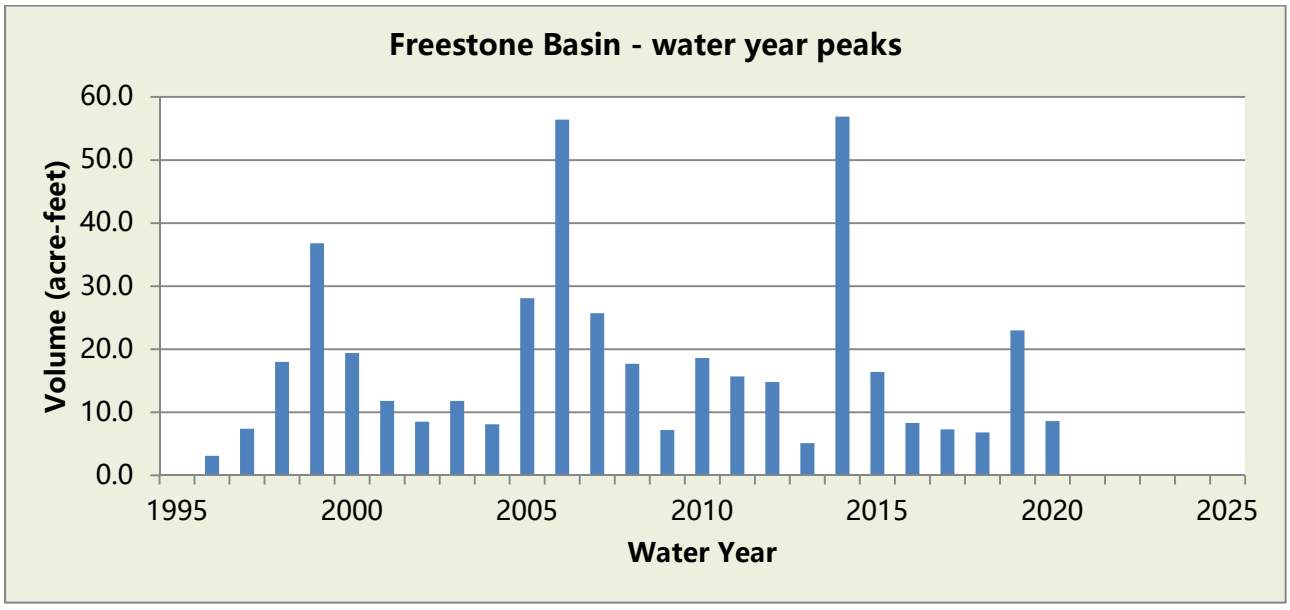


Site Data

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	24.79 Years | 9,053 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

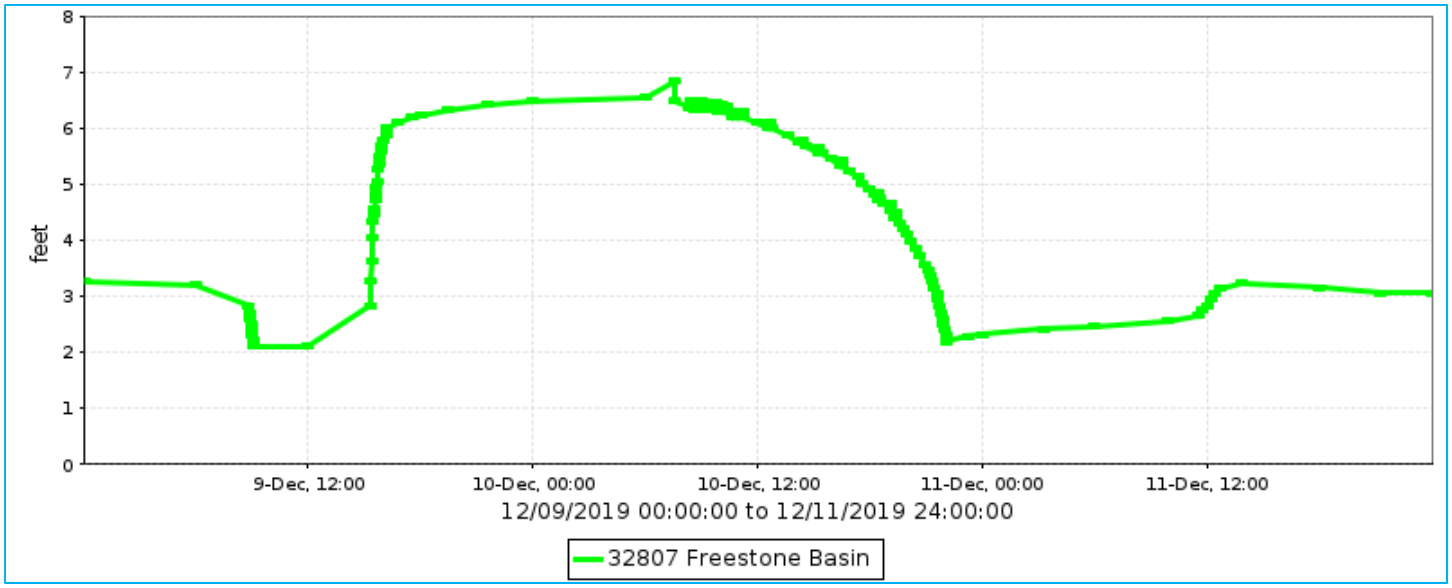




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2019	6.84	8.6	8.6
07/24/2020	5.59	4.0	4.0
09/02/2020	4.44	1.5	1.5

Hydrograph of peak WY 2020 impoundment event, 12/10/2019



Freestone Basin, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 0 MAX 9 MIN 0

Freestone Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.1	5.3	2.1	2.1	2.2	2.1	3.1	3.1	3.1	3.1	3.3
2	2.1	2.1	5.0	2.2	2.1	2.3	2.6	3.1	3.1	3.1	3.1	3.4
3	2.1	2.1	4.7	2.4	2.1	2.1	2.4	3.1	3.1	3.1	3.1	3.1
4	2.1	2.1	4.5	2.3	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
5	2.1	2.1	4.2	2.2	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
6	2.1	2.1	3.1	2.1	2.1	2.1	2.5	3.1	3.1	3.1	3.1	3.1
7	2.1	2.1	2.2	2.1	2.1	2.1	2.4	3.1	3.1	3.1	3.1	3.3
8	2.1	2.1	3.3	2.1	2.1	2.1	2.2	3.1	3.1	3.1	3.1	3.2
9	2.1	2.1	4.0	2.1	2.1	2.1	2.5	3.2	3.1	3.1	3.1	3.1
10	2.1	2.1	5.5	2.1	2.5	2.3	2.3	3.2	3.1	3.1	3.1	3.1
11	2.1	2.1	2.8	2.1	3.1	4.8	2.4	3.1	3.1	3.1	3.1	3.1
12	2.1	2.1	2.4	2.1	2.1	5.5	2.7	3.1	3.1	3.1	3.1	3.1
13	2.1	2.1	2.1	2.1	2.1	3.8	2.1	3.1	3.1	3.1	3.1	3.2
14	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
15	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
16	2.1	2.1	2.1	2.1	2.1	2.3	2.1	3.1	3.1	3.1	3.1	3.1
17	2.1	2.1	2.1	2.1	3.3	2.1	2.1	3.1	3.1	3.1	3.2	3.1
18	2.1	2.1	2.1	2.1	4.0	2.7	2.1	3.1	3.1	3.1	3.1	3.1
19	2.1	2.7	2.1	2.1	4.0	4.6	2.1	3.1	3.1	3.1	3.1	3.1
20	2.1	4.6	2.1	2.1	2.7	3.1	2.1	3.1	3.1	3.1	3.1	3.1
21	2.1	4.2	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
22	2.1	3.1	2.1	2.1	4.0	2.1	2.1	3.1	3.1	3.1	3.1	2.6
23	2.1	2.1	2.1	2.1	4.8	2.3	2.1	3.1	3.1	3.1	3.2	2.1
24	2.1	2.1	3.1	2.1	3.1	2.1	2.1	3.1	3.1	3.4	3.1	2.1
25	2.1	2.1	4.9	2.1	3.0	2.1	2.1	3.1	3.1	4.0	3.1	2.1
26	2.1	2.1	5.8	2.1	2.1	2.2	2.1	3.1	3.1	3.1	3.1	2.1
27	2.1	2.1	6.3	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	2.1
28	2.1	2.1	6.6	2.1	2.1	2.1	2.8	3.1	3.1	3.1	3.1	2.1
29	2.1	5.6	6.4	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	2.1
30	2.1	6.3	4.9	2.1	---	2.1	3.1	3.1	3.1	3.1	3.2	2.1
31	2.1	---	2.1	2.1	---	2.1	---	3.1	---	3.1	3.1	---
MEAN	2.1	2.6	3.6	2.1	2.6	2.5	2.3	3.1	3.1	3.1	3.1	2.8
MAX	2.1	6.7	6.8	2.5	5.4	5.6	3.3	3.5	3.1	5.6	3.6	4.4
MIN	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	2.1

WTR YR 2020 MEAN 2.74 MAX 6.84 MIN 2.10

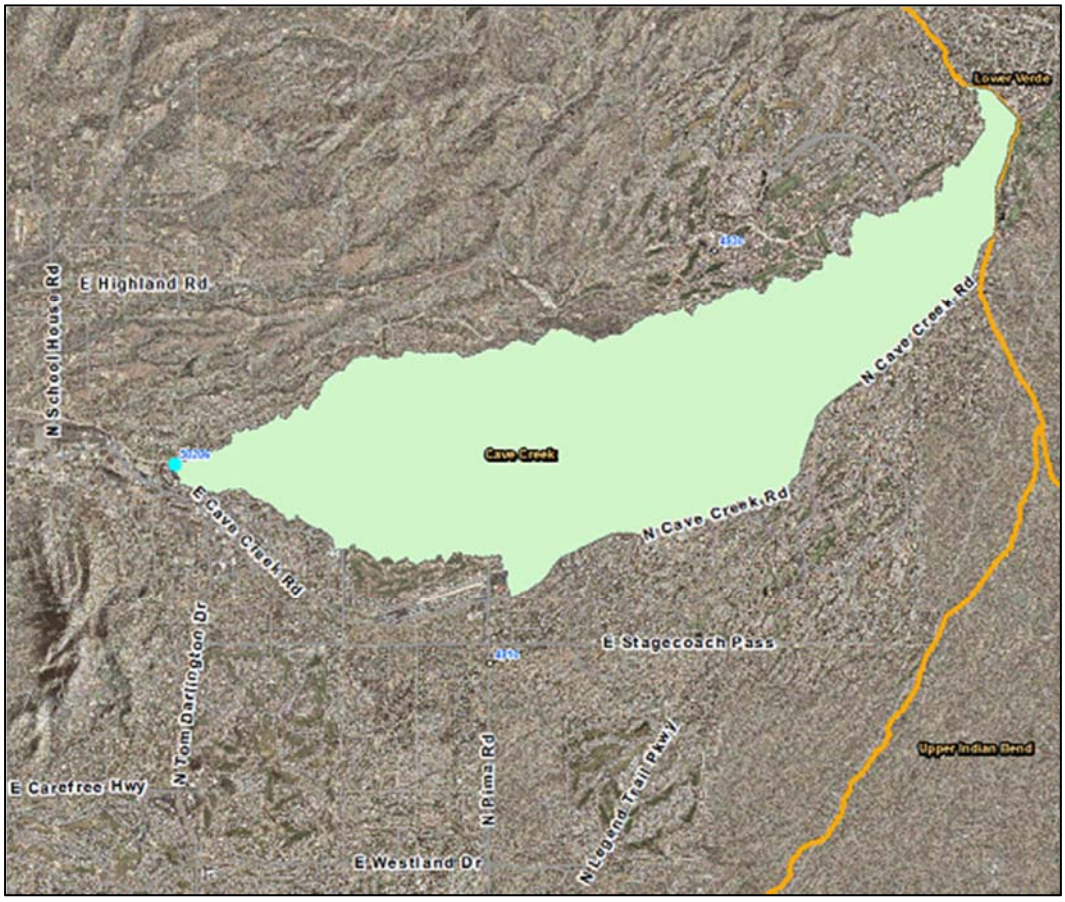
Galloway Wash at Galloway Road, ID #20607

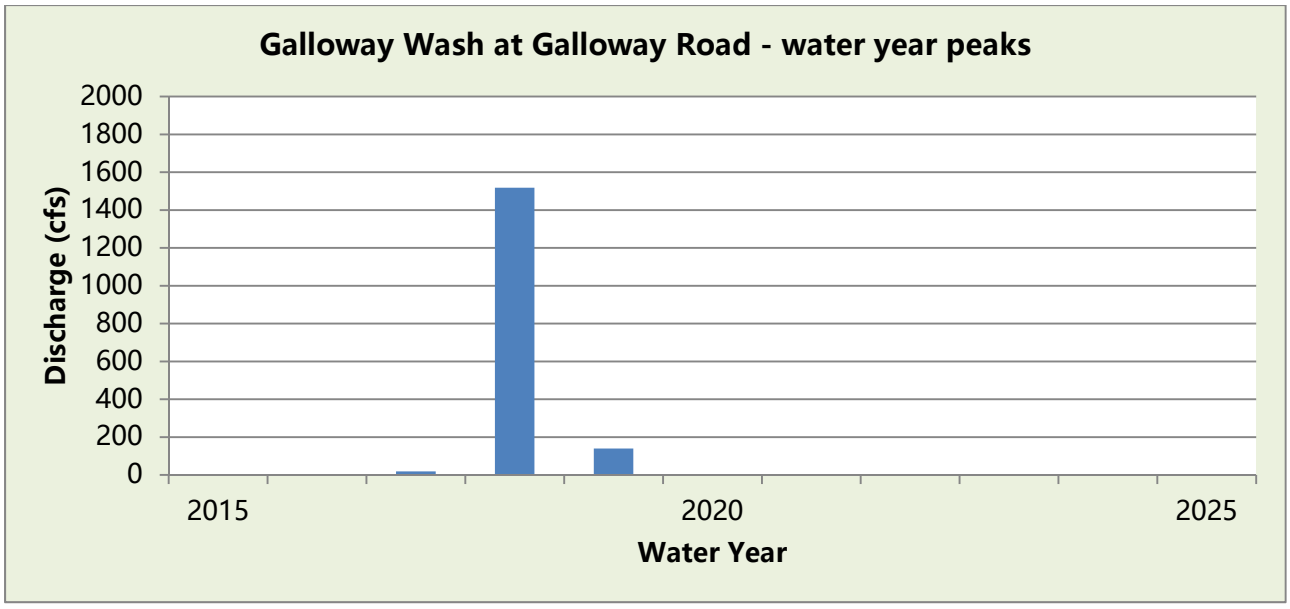


Site Data

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	4.13 Years | 1,507 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020

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 2019 to September 2020

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												
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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	8	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 2020 TOTAL 0 MEAN 0 MAX 8 MIN 0 AC_FT 0

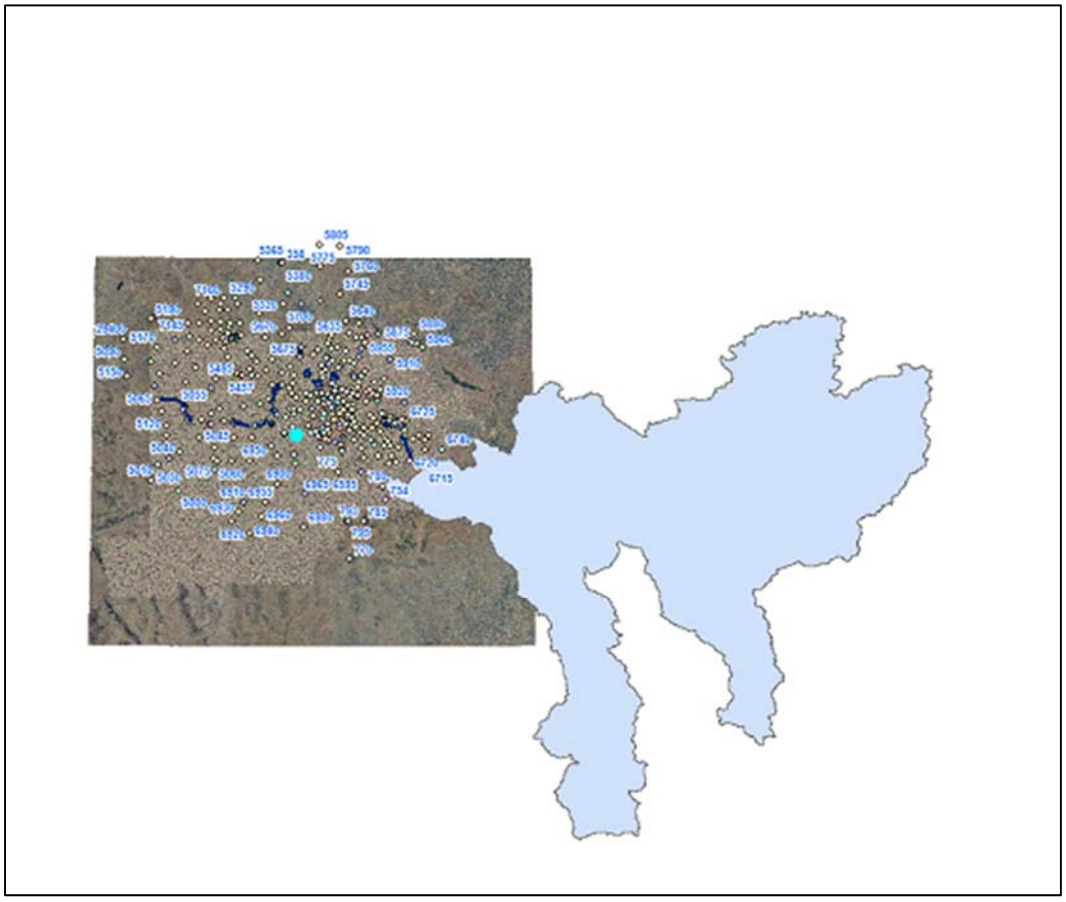
Gila River at Olberg Road, ID #42007

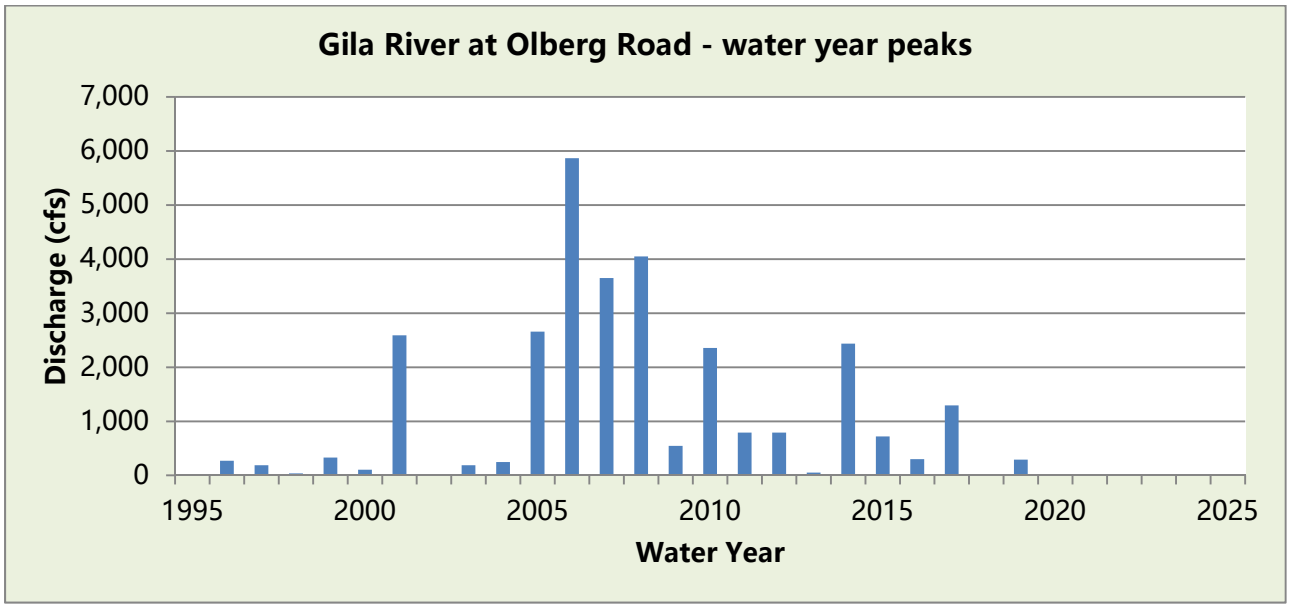


Site Data

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	25.47 Years | 9,304 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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**
390	**1,490**	**2,760**	**4,410**	**7,130**	**9,590**

Gila River at Olberg Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---									
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

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

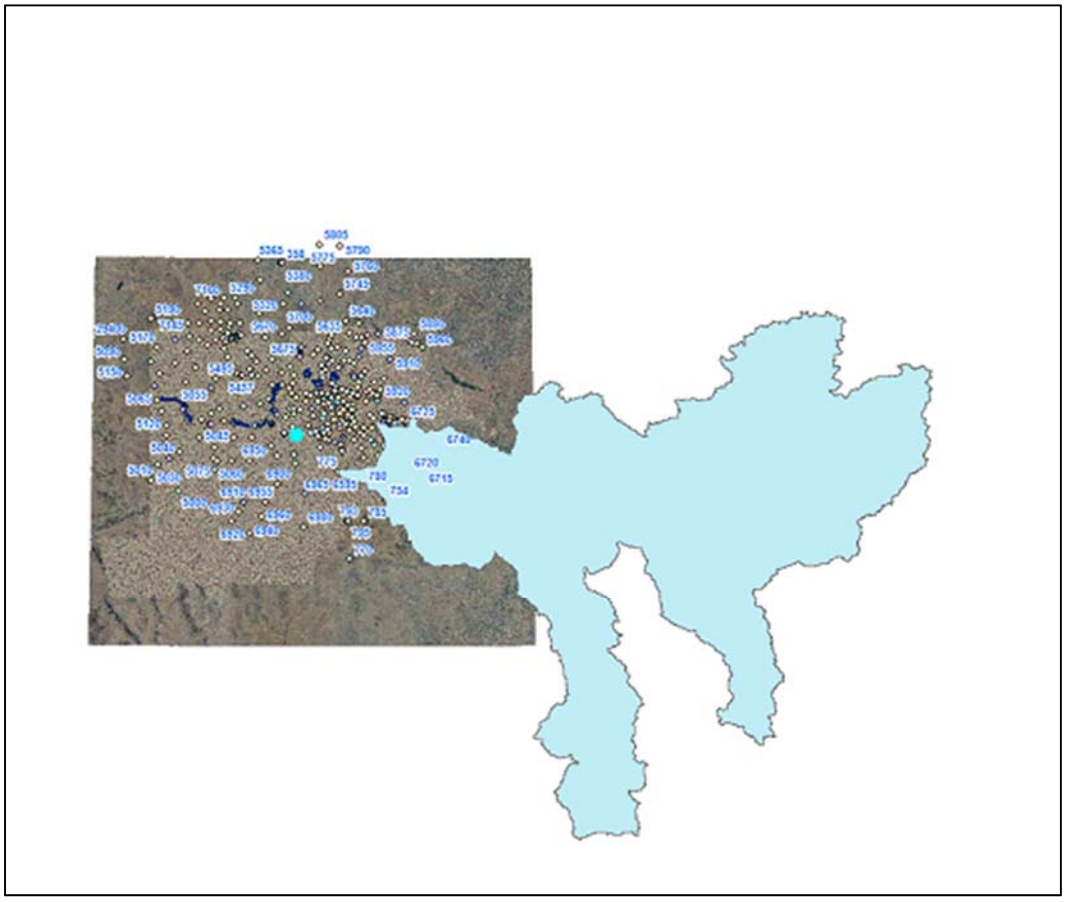
Gila River at Maricopa Road, ID #41707

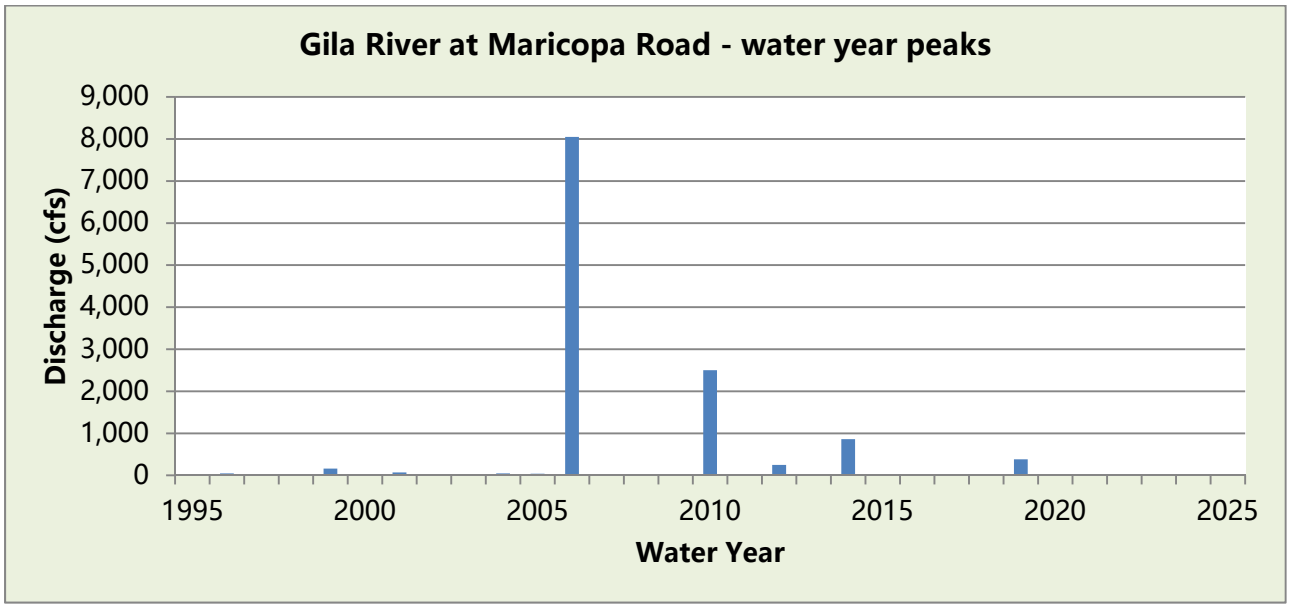


Site Data

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	25.48 Years | 9,307 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

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.

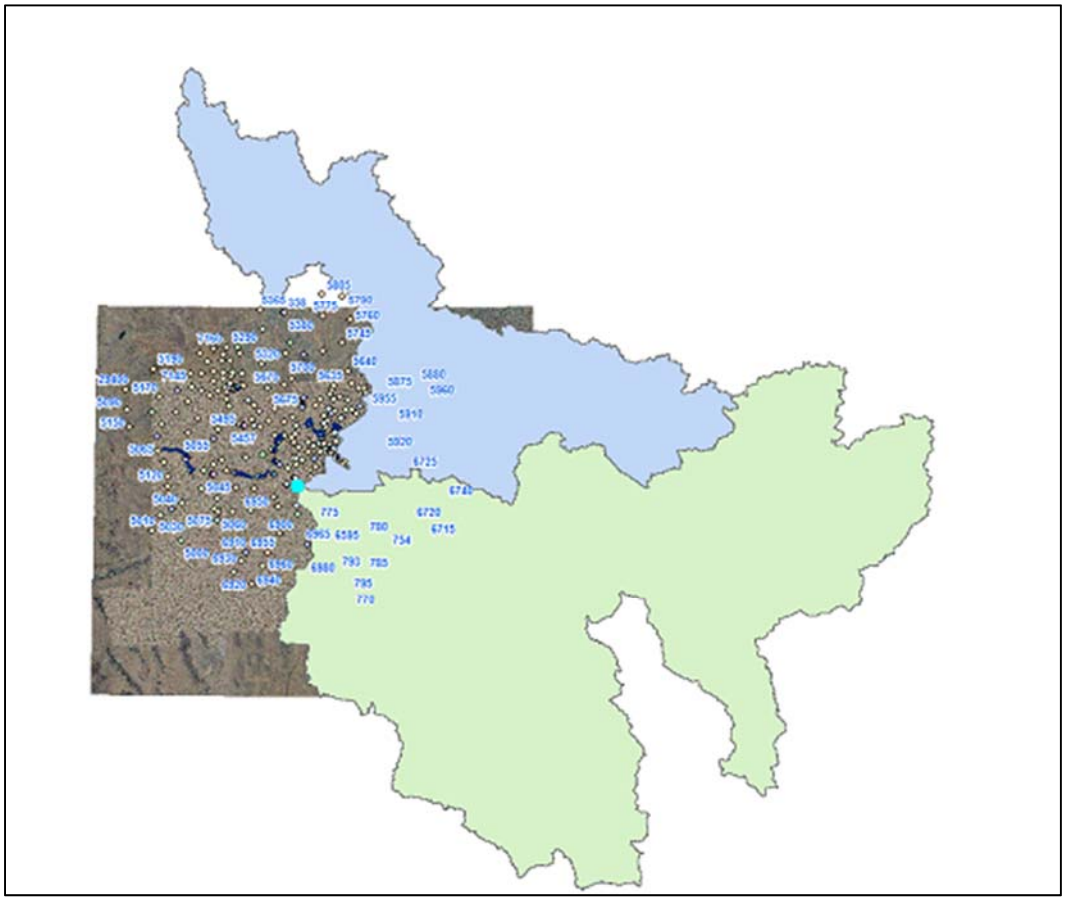
Gila River at 116th Avenue, ID #70707

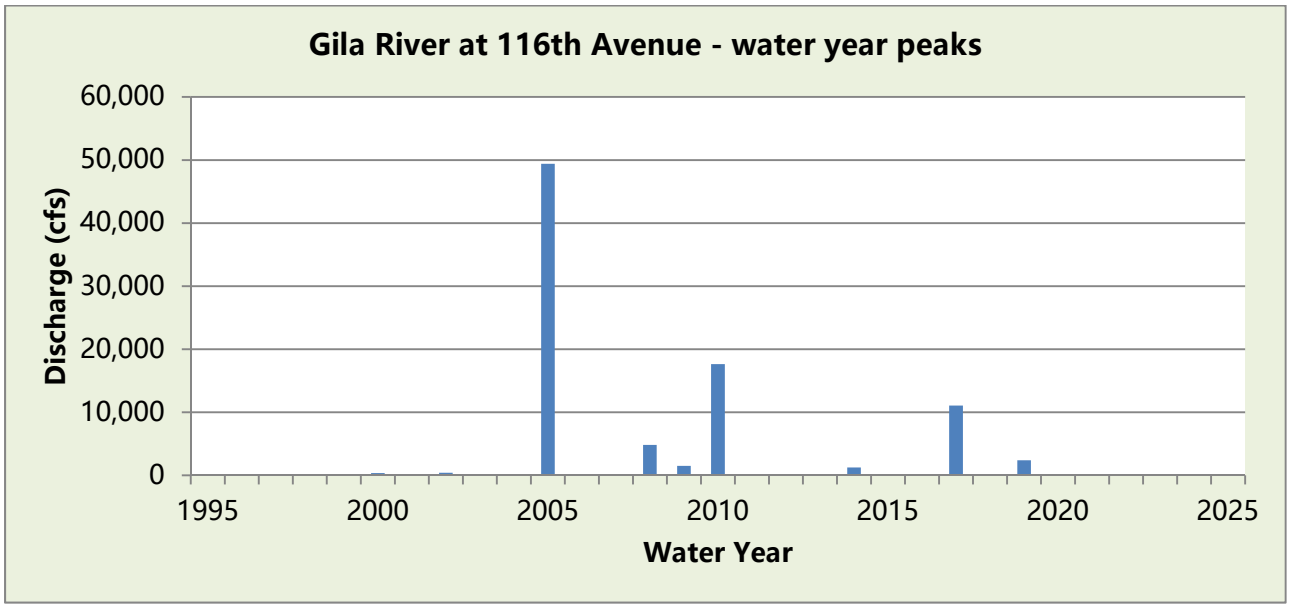


Site Data

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	21.79 Years | 7,960 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No flow above base flow in Water Year 2020.

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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

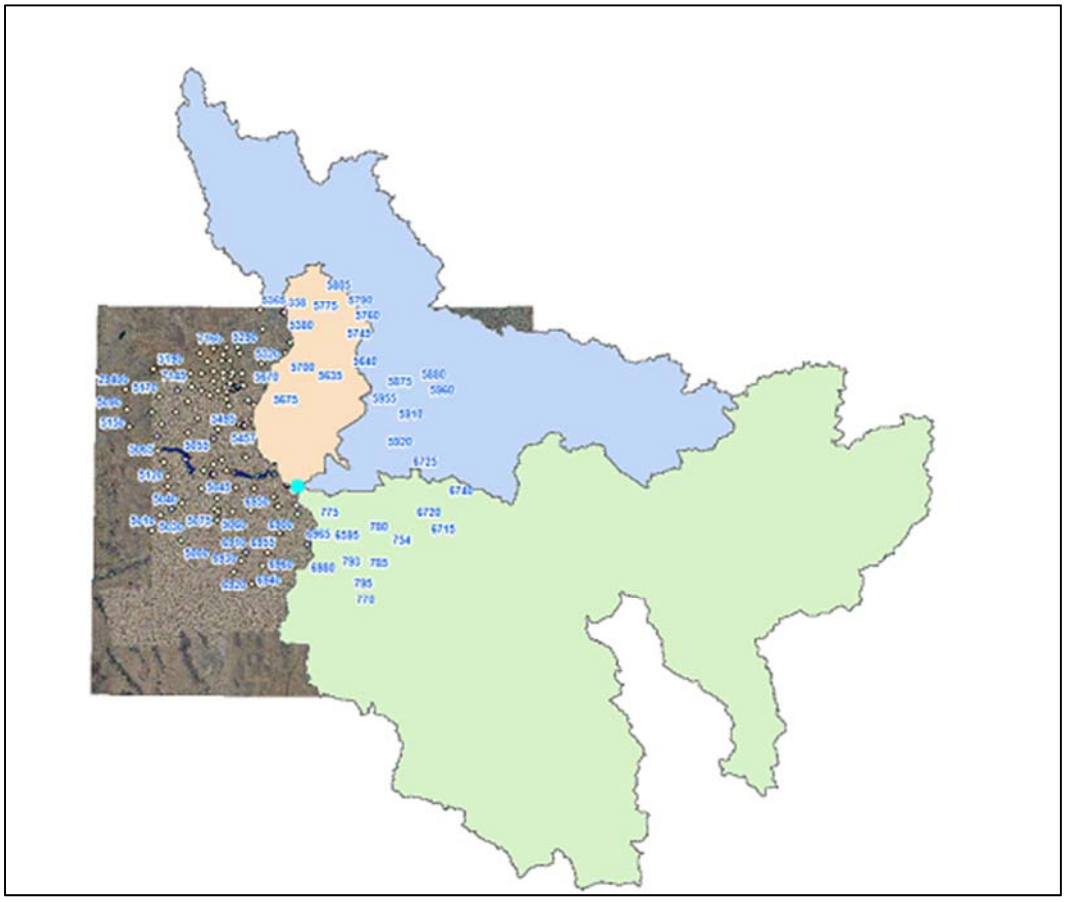
Gila River at Estrella Parkway, ID #83807

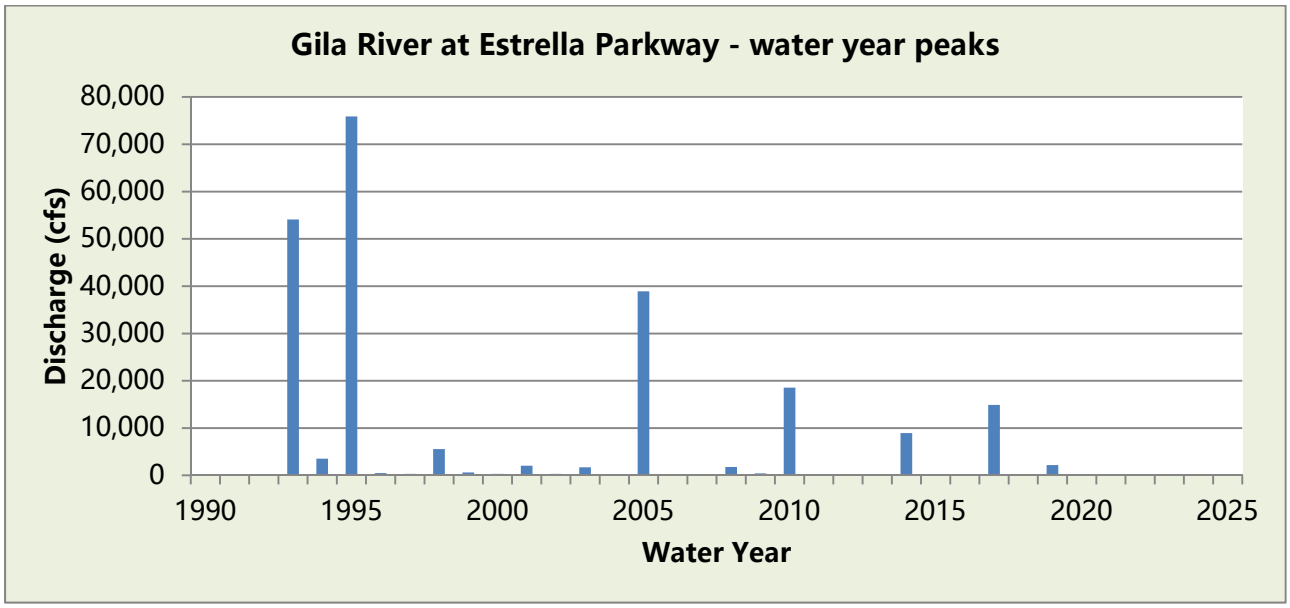


Site Data

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	27.83 Years | 10,165 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

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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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

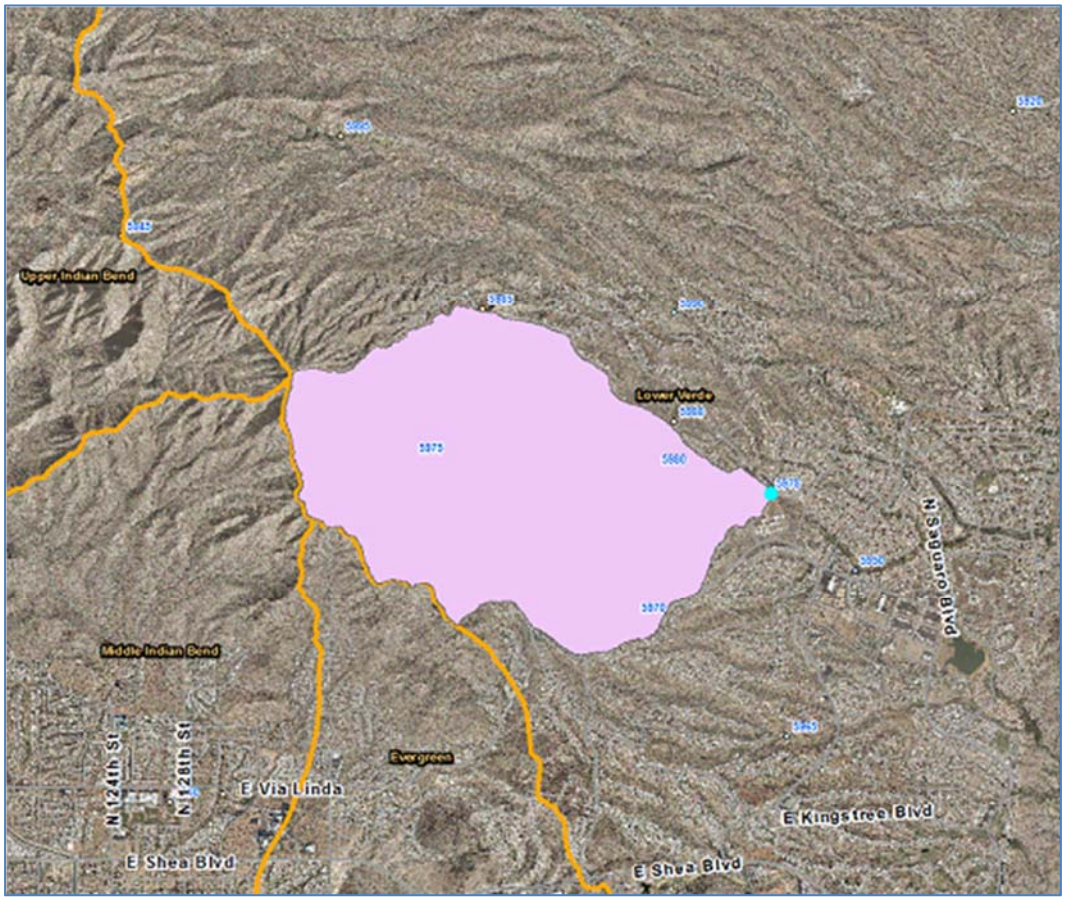
Golden Eagle Park Dam, ID #78007

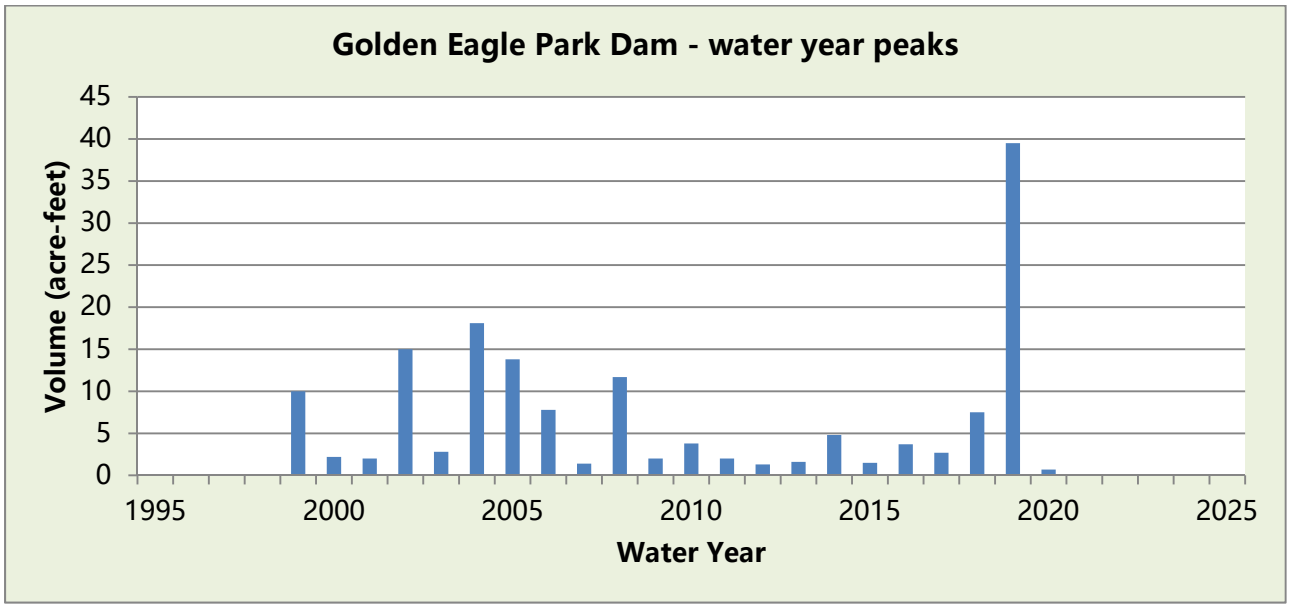


Site Data

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	23.80 Years | 8,694 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

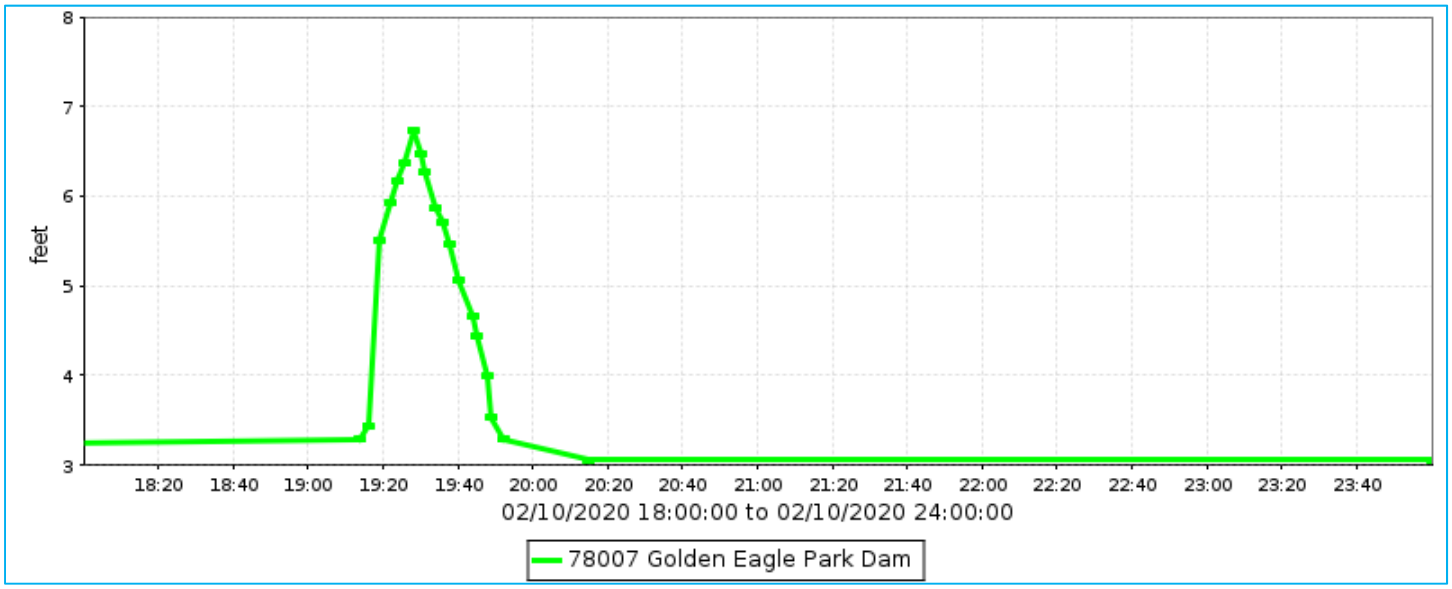




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
02/10/2020	6.73	0.7	0.8

Hydrograph of peak WY 2020 impoundment event, 02/10/2020



Golden Eagle Park Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
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30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	14	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	546	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	27	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 14 MEAN 0 MAX 546 MIN 0 AC_FT 27

Golden Eagle Park Dam, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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	1	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 1 MIN 0

Golden Eagle Park Dam, stage data

Station Number: 5978 Name: Golden Eagle Park Da

Depth, in feet, Water Year October 2019 to September 2020

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	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	3.0	3.0	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	3.0	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
9	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	3.2	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	3.0	3.0	3.0	3.0	3.0	3.0	3.0
13	3.0	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	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	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	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	3.0
24	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0
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	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	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAX	3.0	3.0	3.0	3.0	6.7	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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 2020 MEAN 3.05 MAX 6.73 MIN 3.05

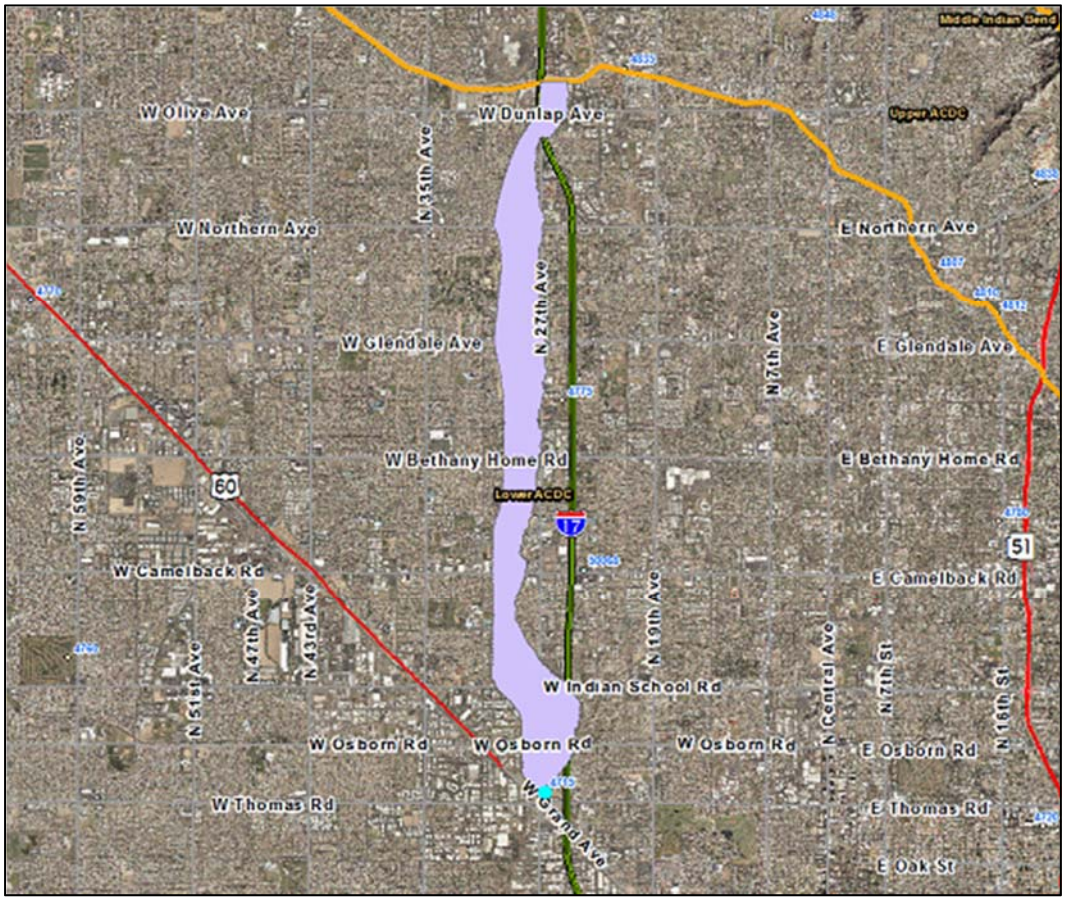
Grand Avenue at 27th Avenue Basin, ID #3807

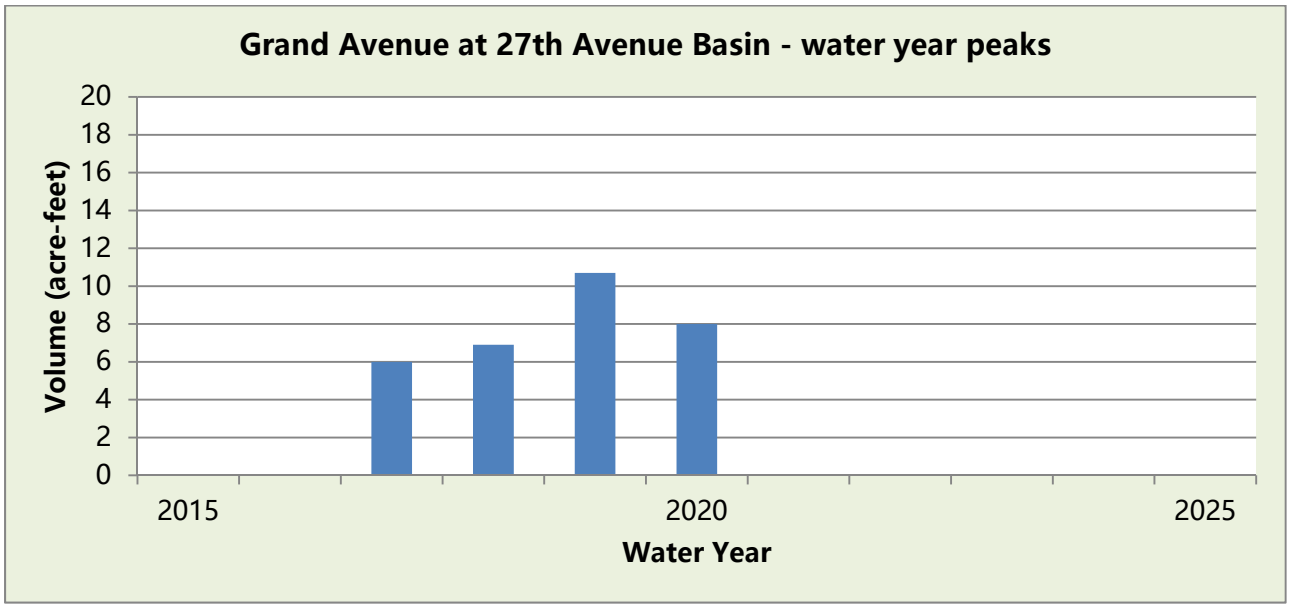


Site Data

LOCATION	Located near north and east of Thomas Road and 27th Ave
DRAINAGE AREA	2.1 mi^2
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	4.99 Years | 1,822 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

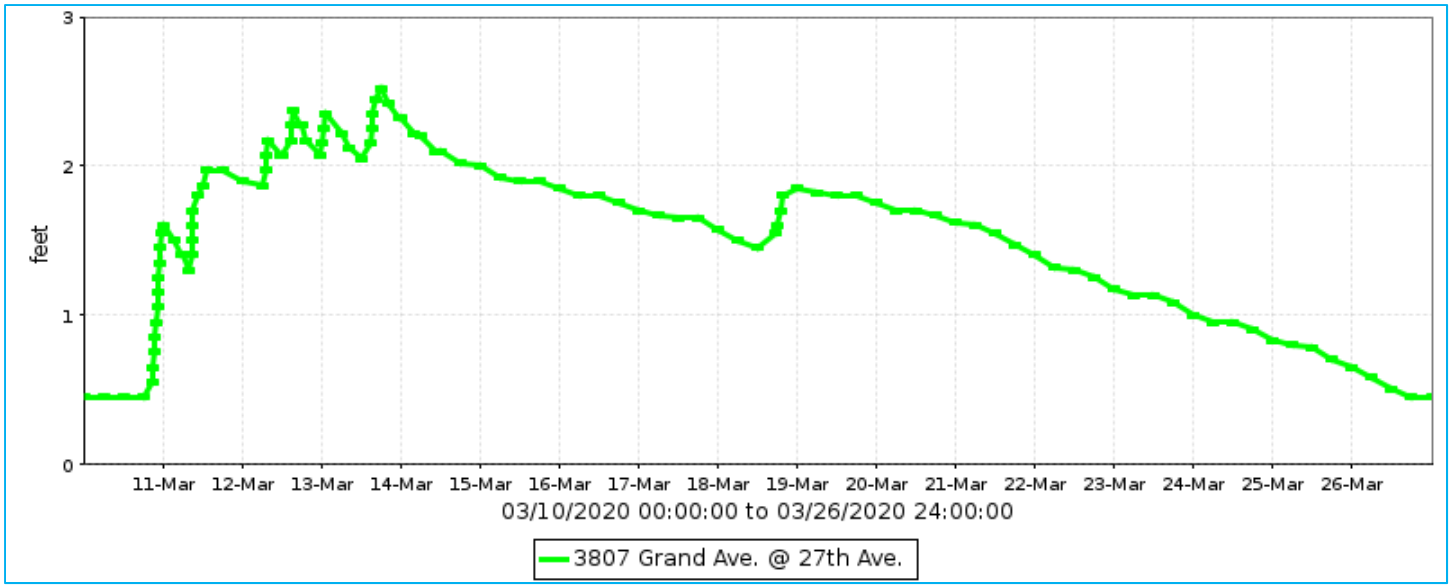




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	2.02	6.3	16.8
11/29/2019	2.20	6.9	18.5
12/08/2019	1.17	3.5	9.4
12/16/2019	1.65	5.0	13.6
12/25/2019	1.95	6.0	16.2
01/21/2020	0.83	2.1	5.5
02/11/2020	2.00	6.2	16.6
02/22/2020	2.17	6.8	18.2
03/11/2020	1.60	4.9	13.1
03/12/2020	2.37	7.5	20.1
03/13/2020	2.52	8.0	21.5

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Grand Avenue at 27th Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2		3	1								
2			3									
3			3									
4			2									
5			1									
6												
7												
8			2									
9			1									
10												
11					3	3						
12					3	3						
13					3	4						
14					3	3						
15					2	3						
16			1		2	3						
17			2			3						
18						3						
19		1				3						
20		3				3						
21		3				3						
22		3			2	2						
23		3			3	2						
24		3	2		3	1						
25		2	3		3							
26		2	3		3							
27		1	3		2							
28			3		2							
29		3	3									
30		3	2		---							
31		---	2		---		---		---			---
TOTAL	2	26	39	2	33	38	0	0	0	0	0	0
MEAN	0	1	1	0	1	1	0	0	0	0	0	0
MAX	2	3	3	2	3	4	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	4	52	77	4	66	75	0	0	0	0	0	0

WTR YR 2020 TOTAL 140 MEAN 0 MAX 4 MIN 0 AC_FT 278

Grand Avenue at 27th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 1 MAX 8 MIN 0

Grand Avenue at 27th Avenue Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	0.5	1.7	1.0	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.5
2	0.8	0.5	1.6	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3	0.5	0.5	1.5	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
4	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
5	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
6	0.5	0.5	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
8	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
9	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10	0.5	0.5	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
11	0.5	0.5	0.6	0.5	1.8	1.8	0.5	0.5	0.5	0.5	0.5	0.5
12	0.5	0.5	0.5	0.5	1.8	2.1	0.5	0.5	0.5	0.5	0.5	0.5
13	0.5	0.5	0.5	0.5	1.7	2.3	0.5	0.5	0.5	0.5	0.5	0.5
14	0.5	0.5	0.5	0.5	1.6	2.1	0.5	0.5	0.5	0.5	0.5	0.5
15	0.5	0.5	0.5	0.5	1.3	1.9	0.5	0.5	0.5	0.5	0.5	0.5
16	0.5	0.5	1.0	0.5	1.0	1.8	0.5	0.5	0.5	0.5	0.5	0.5
17	0.5	0.5	1.1	0.5	0.9	1.7	0.5	0.5	0.5	0.5	0.5	0.5
18	0.5	0.5	0.8	0.5	0.7	1.6	0.5	0.5	0.5	0.5	0.5	0.5
19	0.5	0.7	0.7	0.5	0.5	1.8	0.5	0.5	0.5	0.5	0.5	0.5
20	0.5	1.7	0.5	0.5	0.5	1.7	0.5	0.5	0.5	0.5	0.5	0.5
21	0.5	2.0	0.5	0.7	0.5	1.6	0.5	0.5	0.5	0.5	0.5	0.5
22	0.5	1.9	0.5	0.8	1.6	1.3	0.5	0.5	0.5	0.5	0.5	0.5
23	0.5	1.8	0.5	0.6	1.9	1.1	0.5	0.5	0.5	0.5	0.5	0.5
24	0.5	1.7	1.3	0.5	1.8	0.9	0.5	0.5	0.5	0.5	0.5	0.5
25	0.5	1.5	1.9	0.5	1.7	0.8	0.5	0.5	0.5	0.5	0.5	0.5
26	0.5	1.1	1.8	0.5	1.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
27	0.5	0.9	1.7	0.5	1.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28	0.5	0.8	1.7	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	0.5	1.8	1.6	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30	0.5	1.8	1.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5
31	0.5	---	1.2	0.5	---	0.5	---	0.5	---	0.5	0.5	---
MEAN	0.5	0.9	1.0	0.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
MAX	1.0	2.2	1.9	1.0	2.2	2.5	0.5	0.5	0.5	0.5	0.6	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 2020 MEAN 0.63 MAX 2.52 MIN 0.45

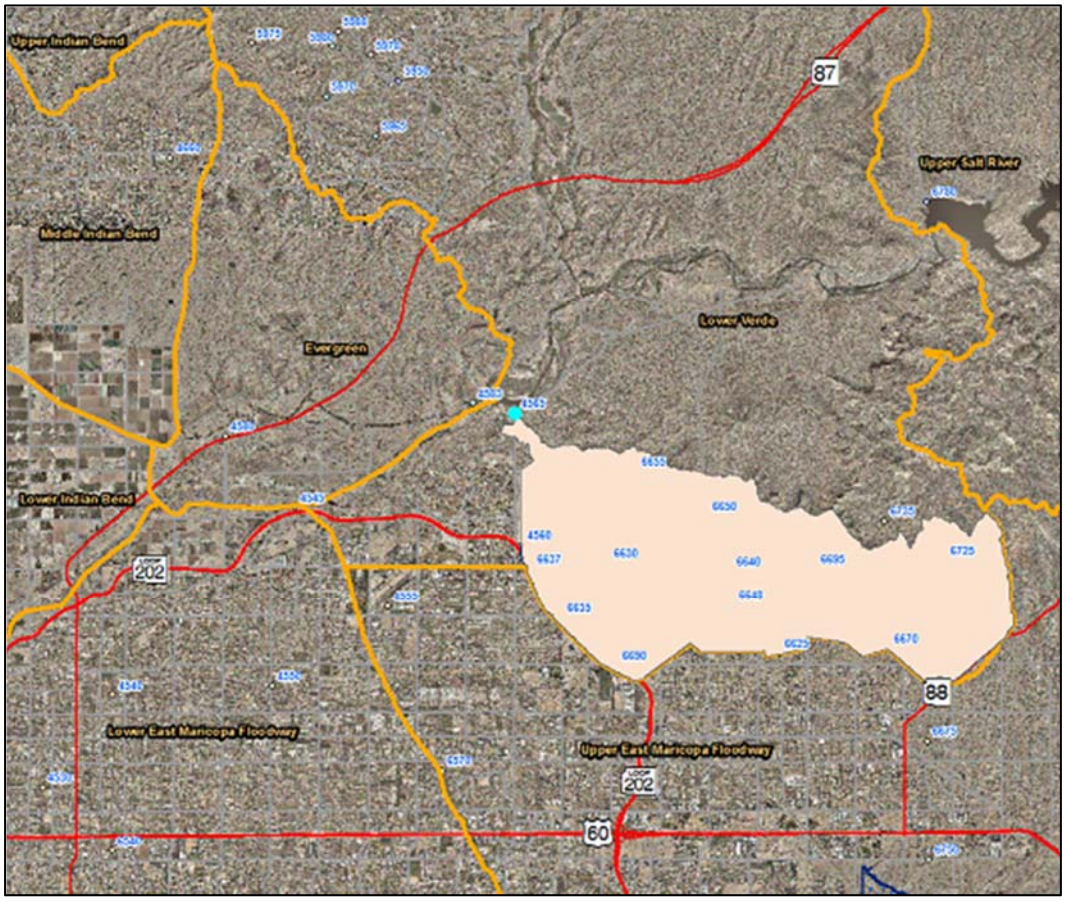
Granite Reef Diversion, ID #75007

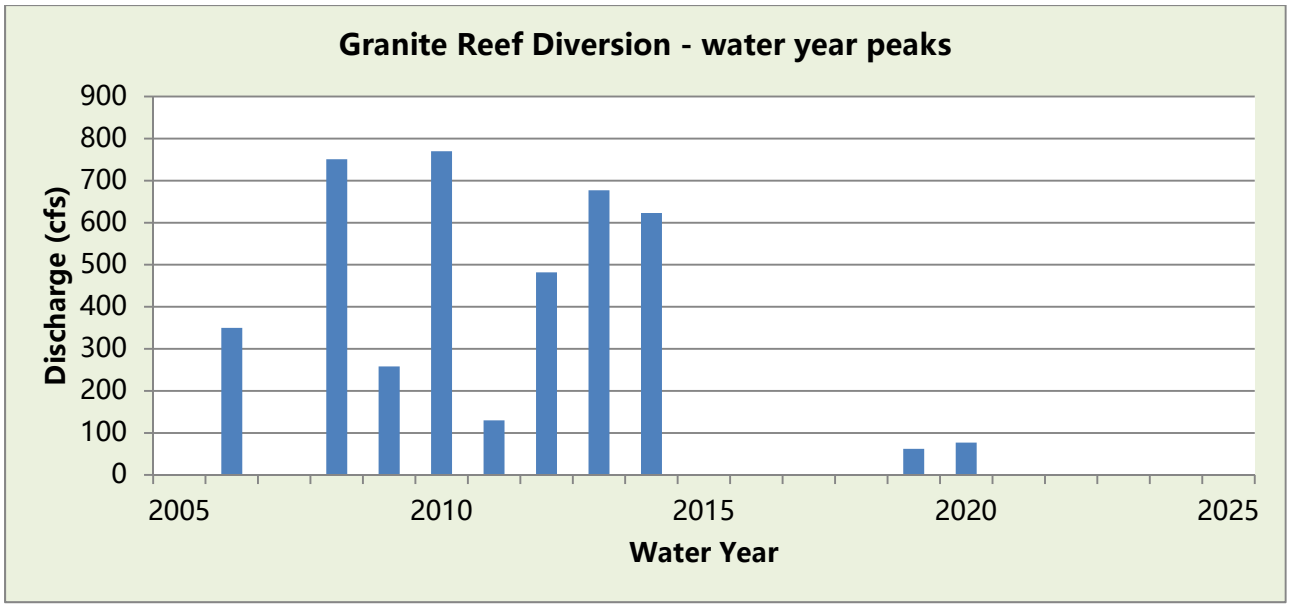


Site Data

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	15.20 Years | 5,551 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

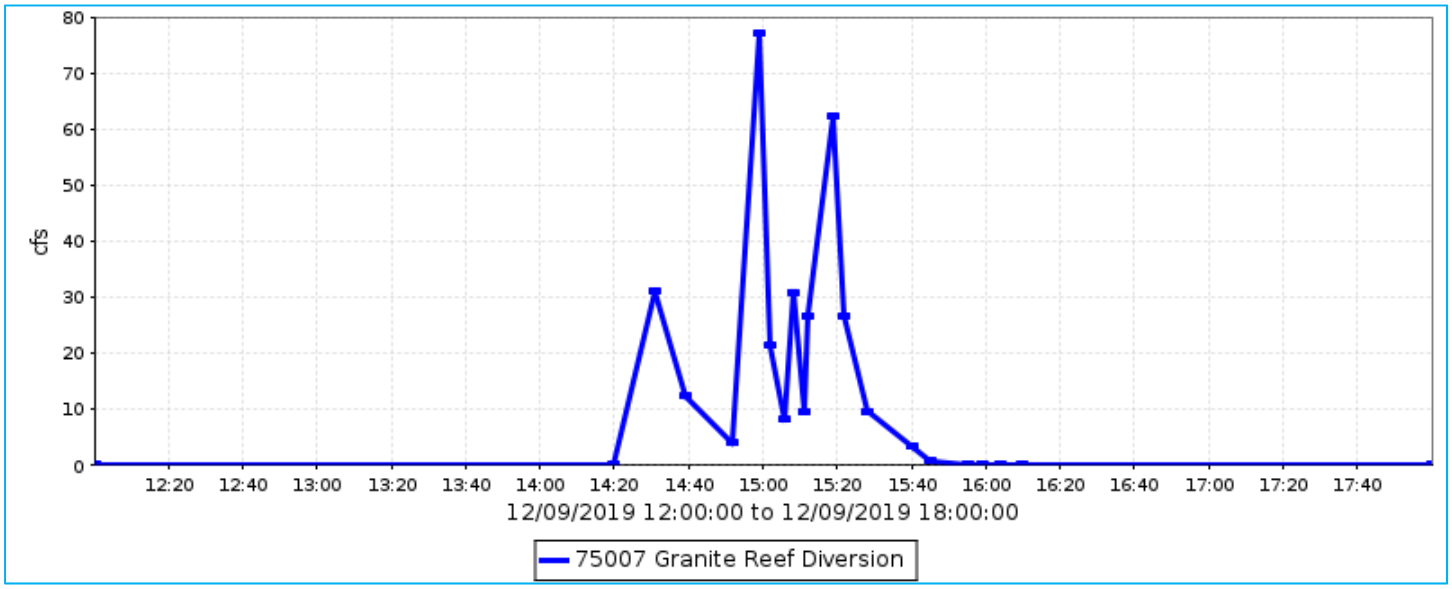




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
12/09/2019	1.02	77

Hydrograph of peak WY 2020 flow event, 12/09/2019



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 2019 to September 2020

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												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	1	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	77	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	2	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 1 MEAN 0 MAX 77 MIN 0 AC_FT 2

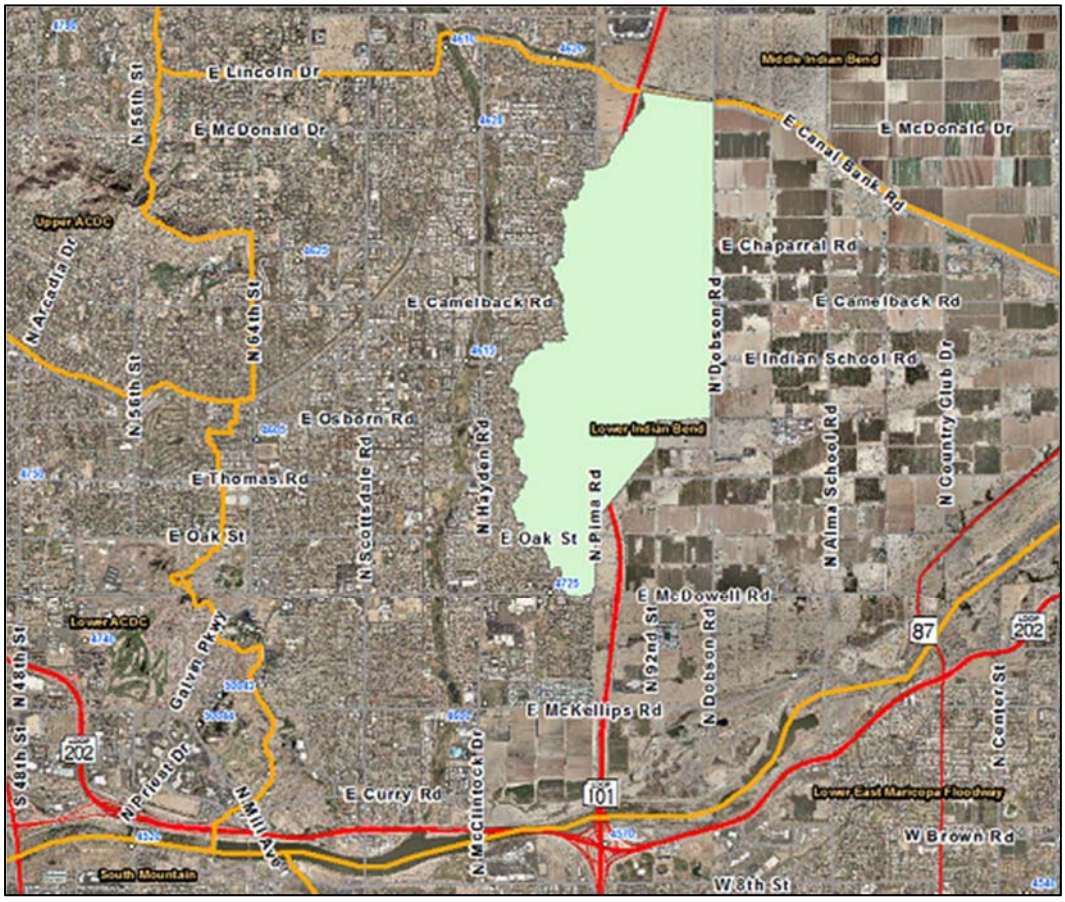
Granite Reef Wash, ID #57507

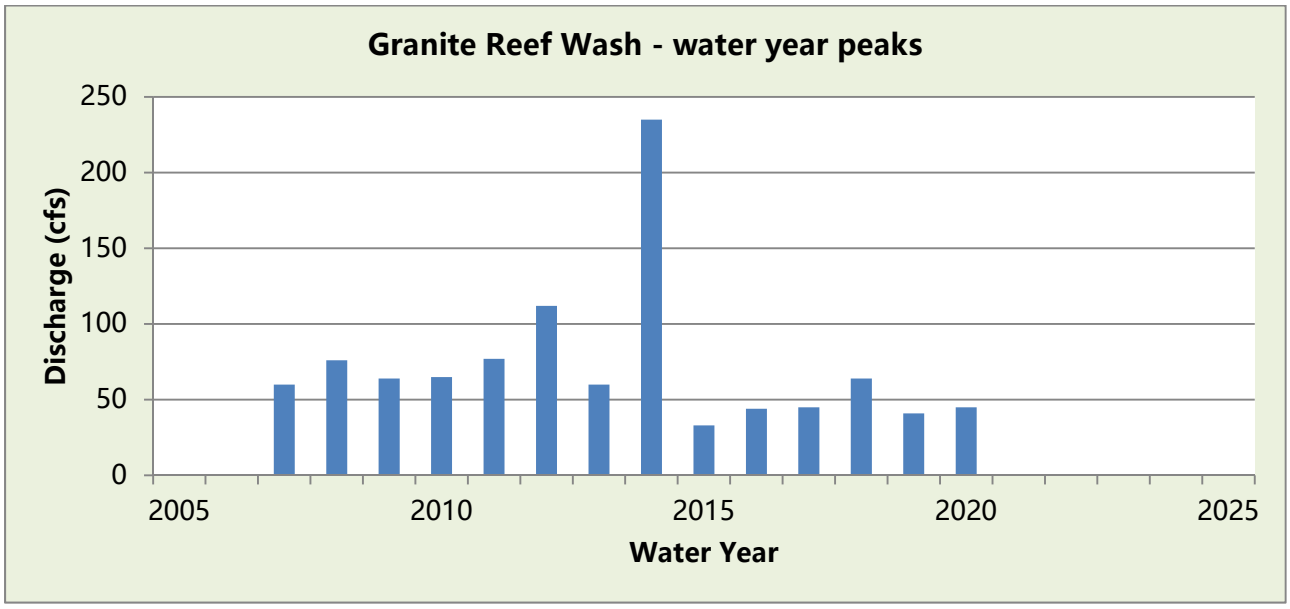


Site Data

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	13.27 Years | 4,846 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

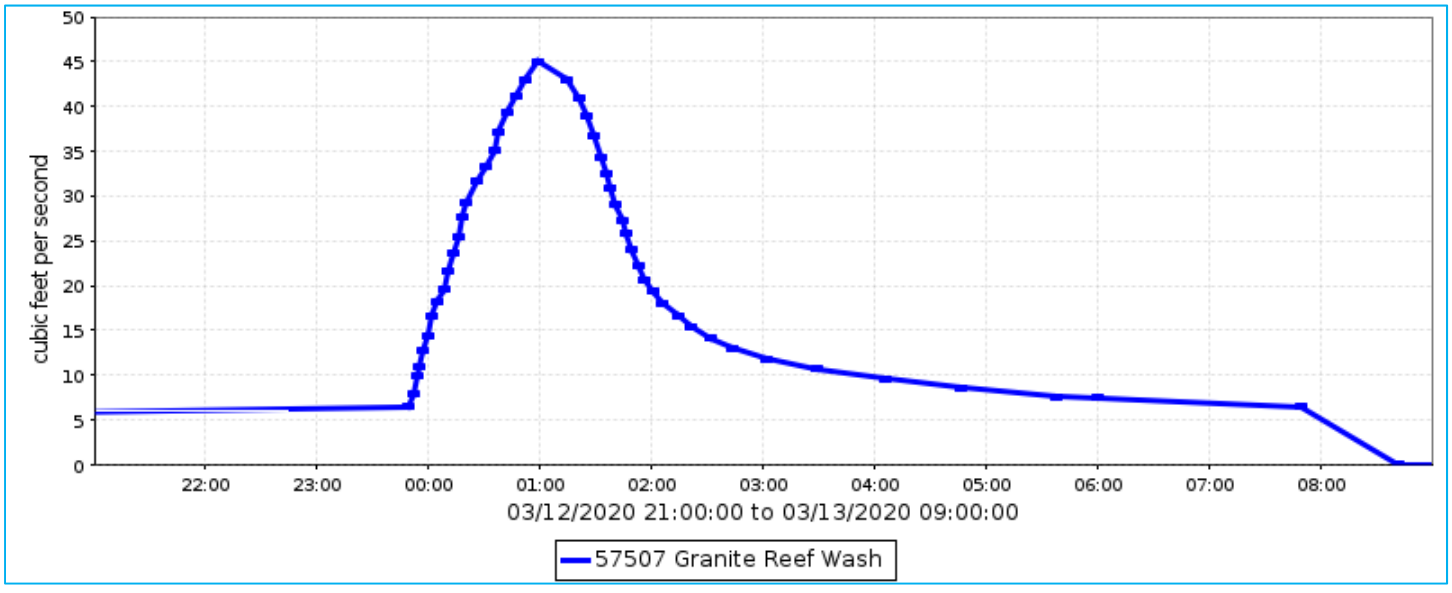




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	2.67	17
11/21/2019	2.25	13
11/21/2019	2.62	16
11/29/2019	3.89	31
12/09/2019	1.87	9
12/24/2019	1.80	9
12/25/2019	2.17	12
12/27/2019	2.42	14
02/10/2020	2.65	16
02/22/2020	2.92	19
03/10/2020	2.05	11
03/11/2020	3.19	22
03/12/2020	2.27	13
03/13/2020	4.84	45
03/13/2020	2.55	15
03/18/2020	2.92	19
07/24/2020	2.27	13

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
56	**90**	**123**	**164**	**236**	**307**

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

Granite Reef Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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	1											
9			1									
10					1	1						
11					6	9						
12						7						
13						10						
14						1						
15												
16												
17												
18						3						
19						1						
20		5										
21		6										
22		1			7							
23					4							
24			4							1		
25			7									
26			5									
27			6									
28												
29		5										
30					---							
31		---			---		---		---			---
TOTAL	2	17	24	0	18	32	0	0	0	1	0	0
MEAN	0	1	1	0	1	1	0	0	0	0	0	0
MAX	5	31	14	0	19	45	0	0	0	13	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	3	35	47	0	35	63	0	0	0	2	0	0

WTR YR 2020 TOTAL 93 MEAN 0 MAX 45 MIN 0 AC_FT 185

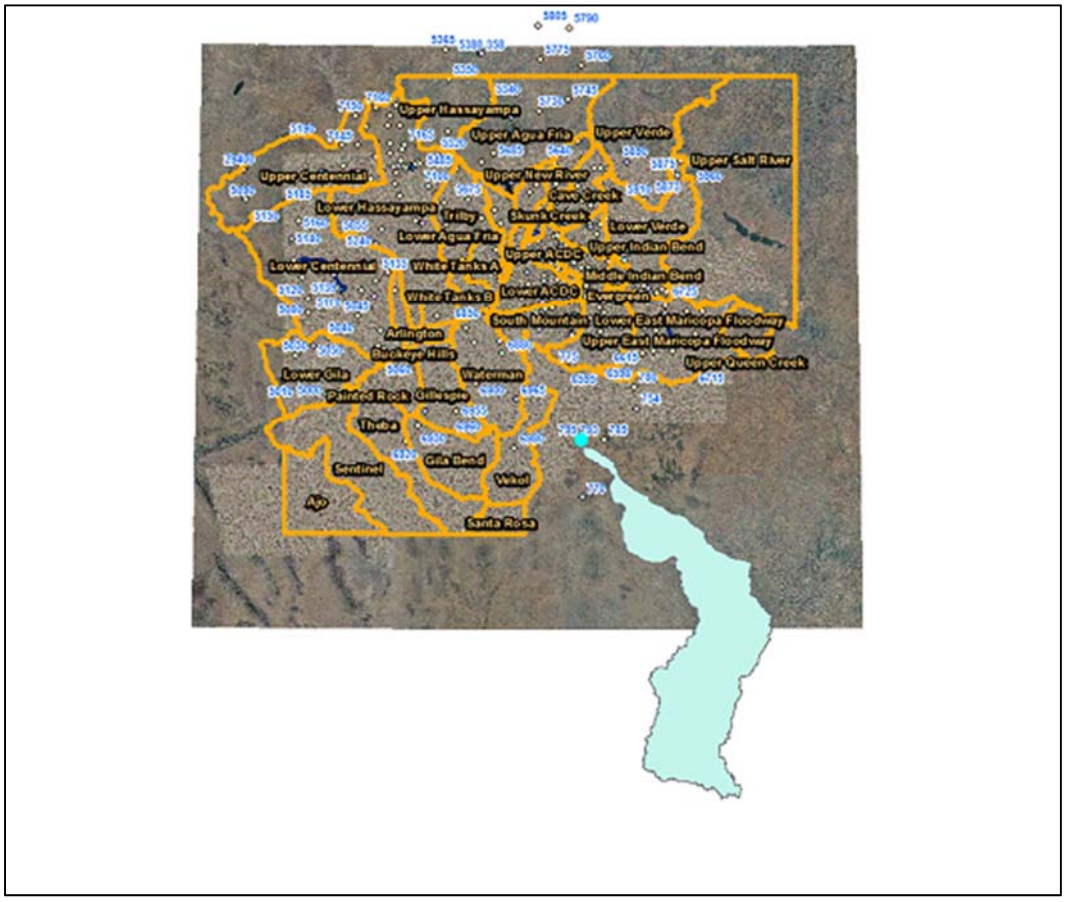
Greene Wash at SR84 – ID #64007

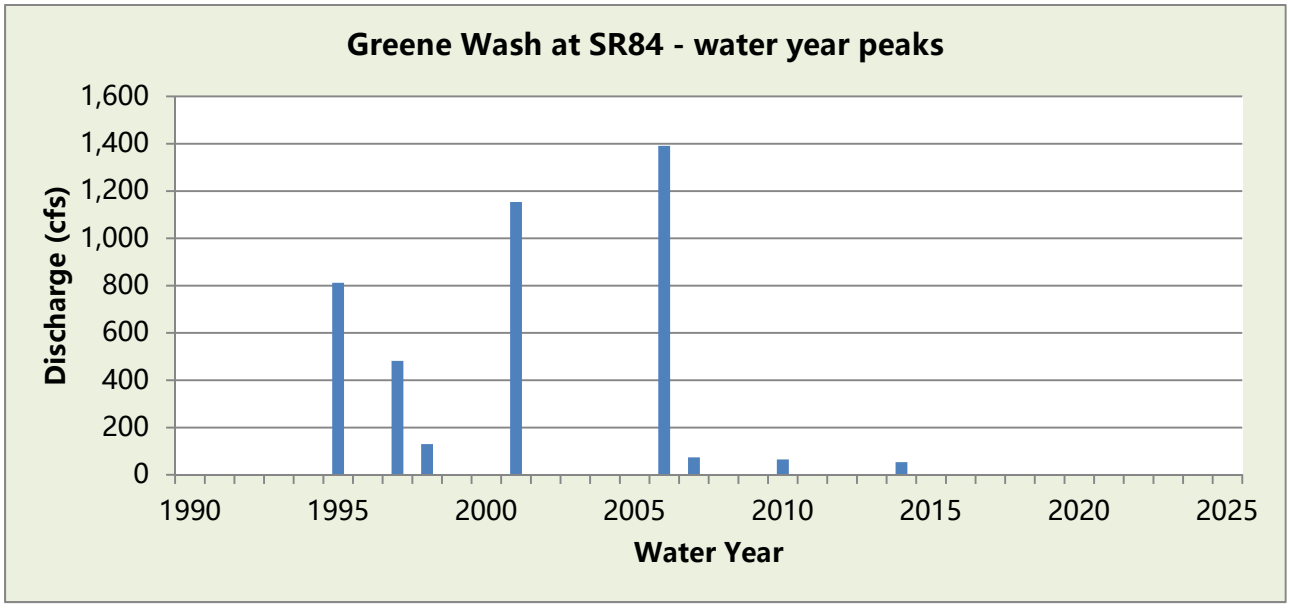


Site Data

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	26.53 Years | 9,689 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

There were no runoff events in Water Year 2020.

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 2019 to September 2020

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		---			---		---		---			---
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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

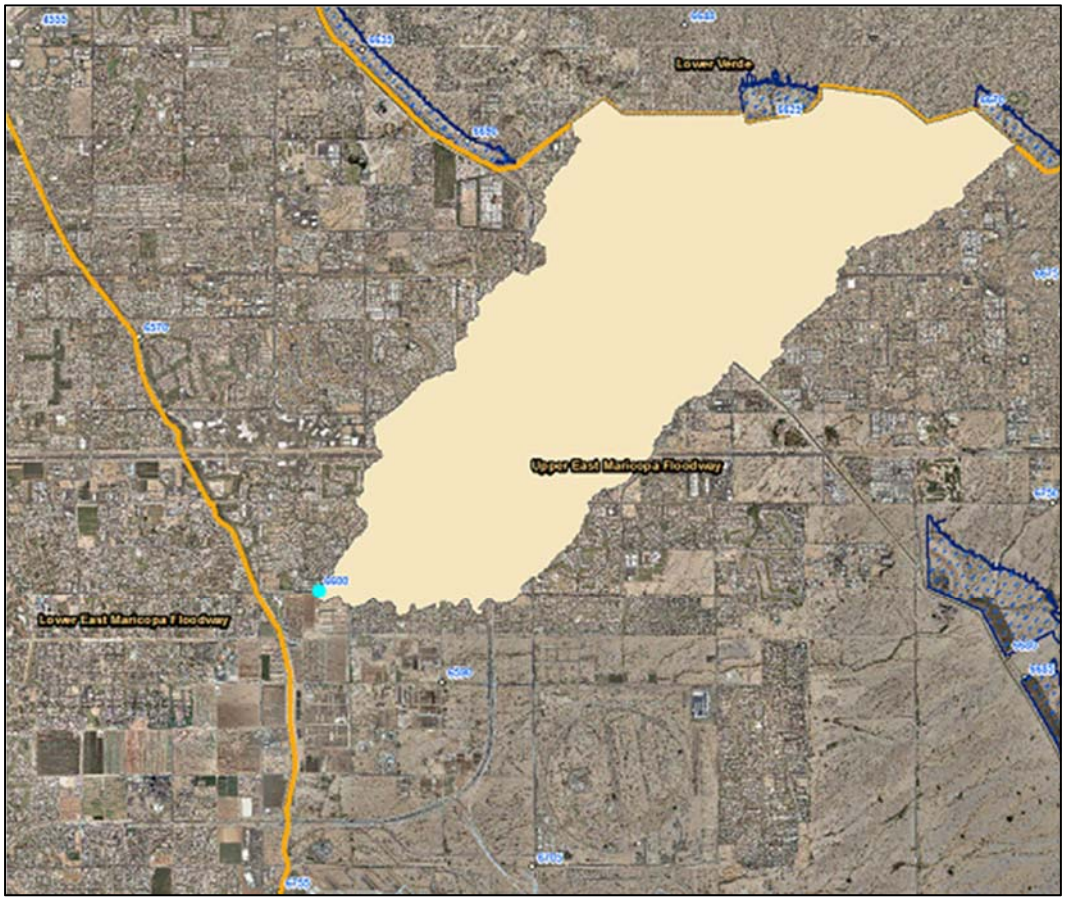
Guadalupe Road Channel, ID #35707

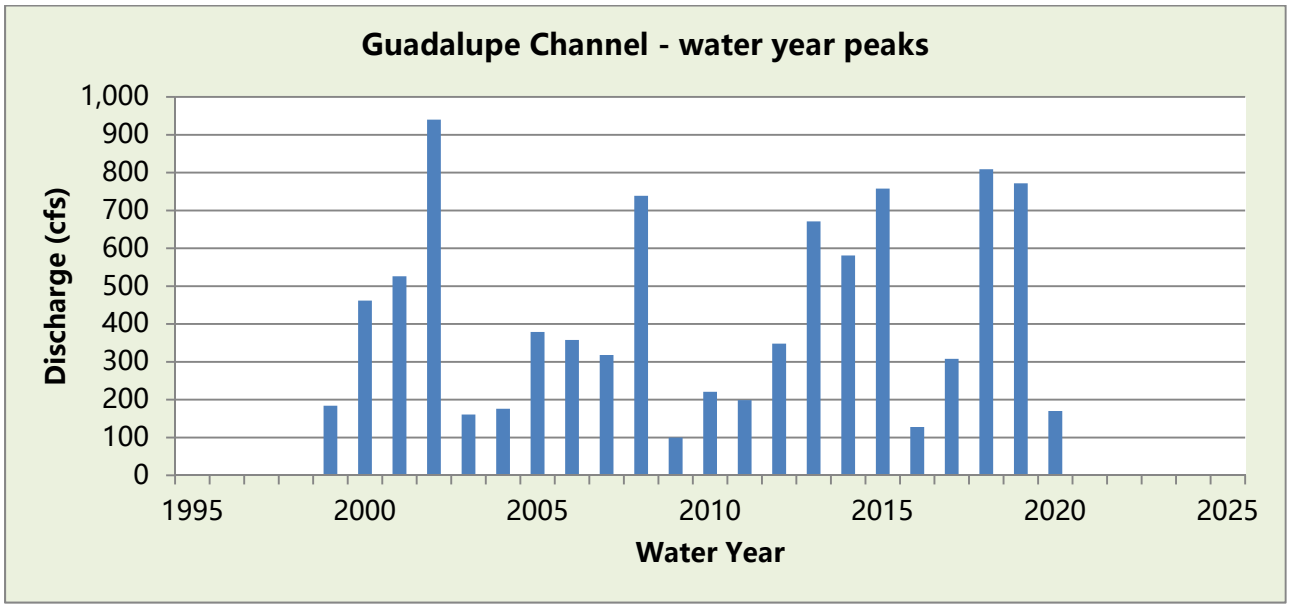


Site Data

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	22.15 Years | 8,091 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

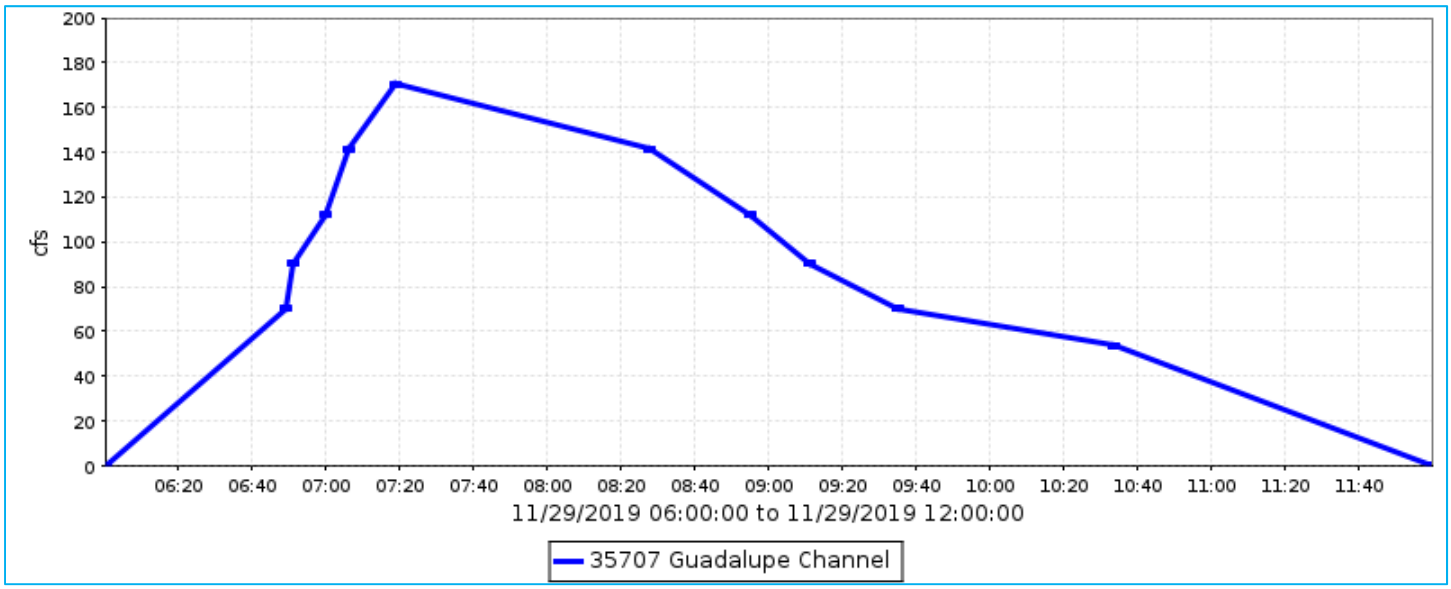




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	0.60	67
11/29/2019	1.04	170

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
339	**595**	**792**	**997**	**1,280**	**1,520**

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

Guadalupe Road Channel, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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11												
12												
13											14	
14												
15												
16											14	
17												
18											14	
19												
20		2										
21												
22												
23												
24											14	
25												
26												
27												
28												
29		22										
30					---							
31		---			---		---		---			---
TOTAL	0	24	0	0	0	0	0	0	0	0	55	0
MEAN	0	1	0	0	0	0	0	0	0	0	2	0
MAX	0	170	0	0	0	0	0	0	0	0	67	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	48	0	0	0	0	0	0	0	0	110	0

WTR YR 2020 TOTAL 79 MEAN 0 MAX 170 MIN 0 AC_FT 157

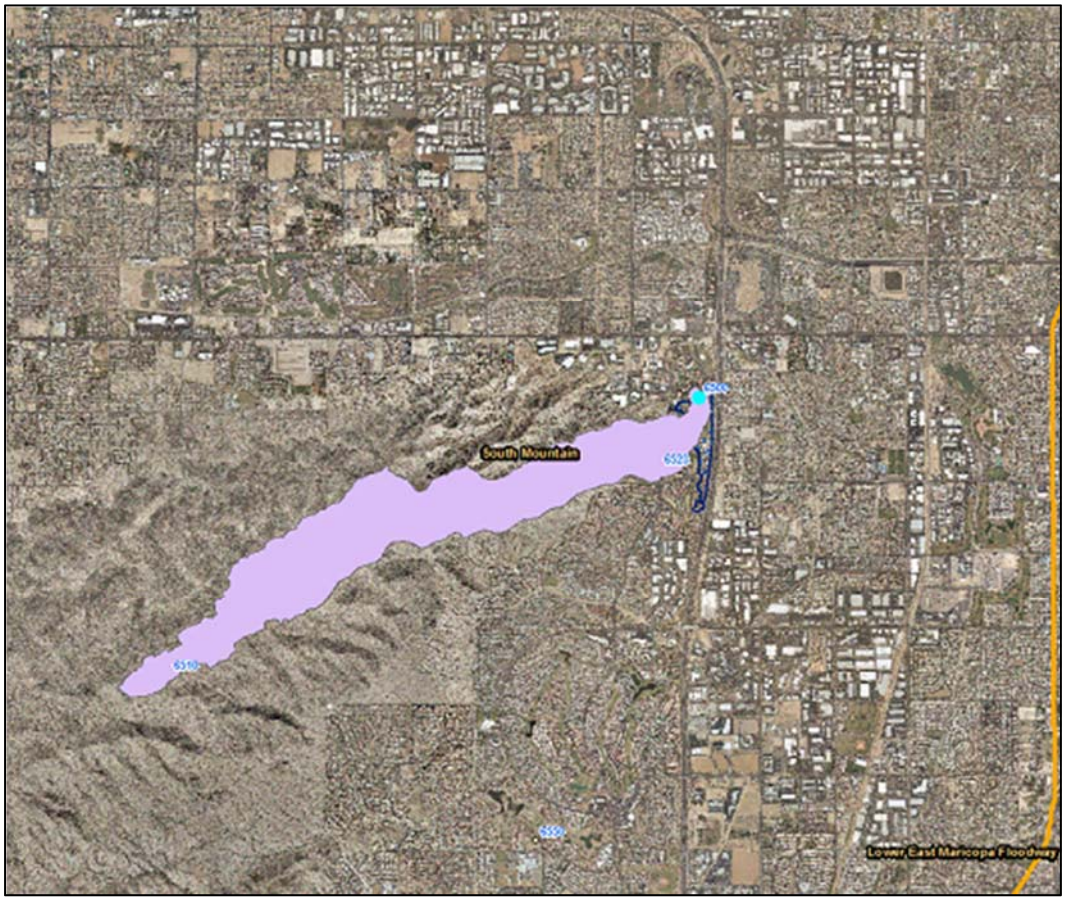
Guadalupe FRS, ID #68207

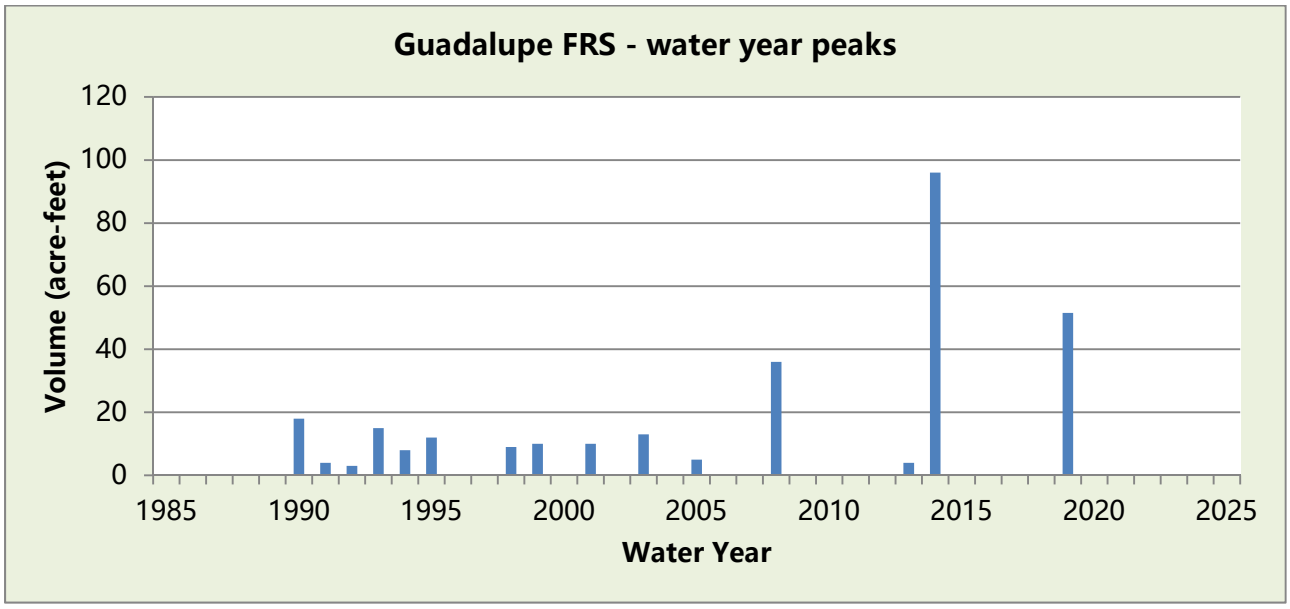


Site Data

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	31.26 Years | 11,417 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event,

No impoundments recorded in Water Year 2020.

Guadalupe FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		---			---		---		---			---
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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Guadalupe FRS, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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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 2020 MEAN 0 MAX 0 MIN 0

Guadalupe FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.3
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	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	0.4	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 2020 MEAN 0.26 MAX 0.40 MIN 0.26

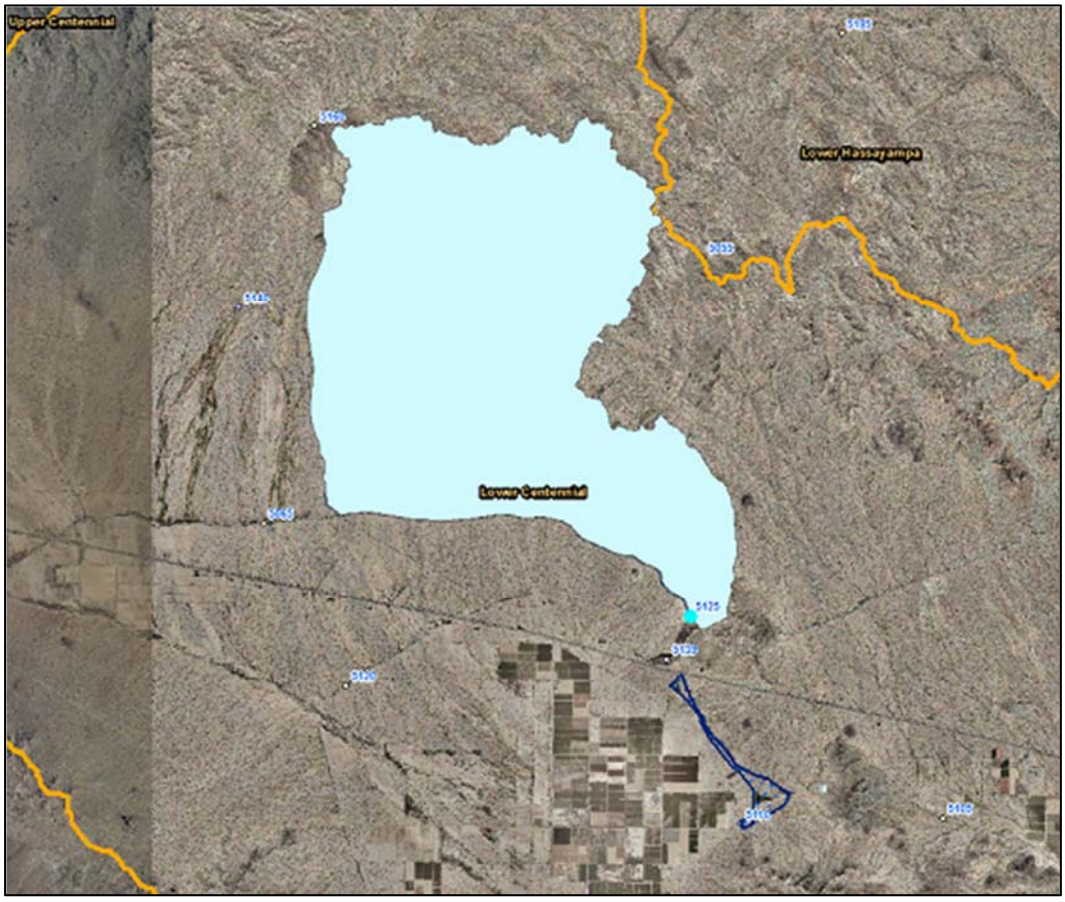
Harquahala FRS, ID #26007

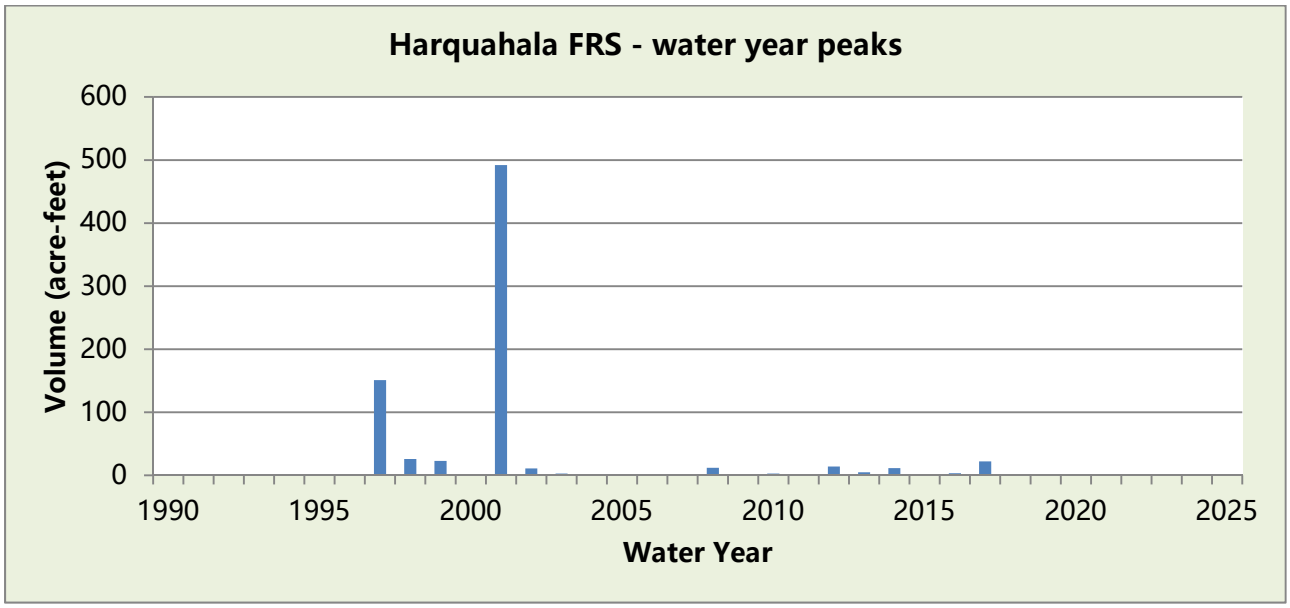


Site Data

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	26.59 Years | 9,711 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

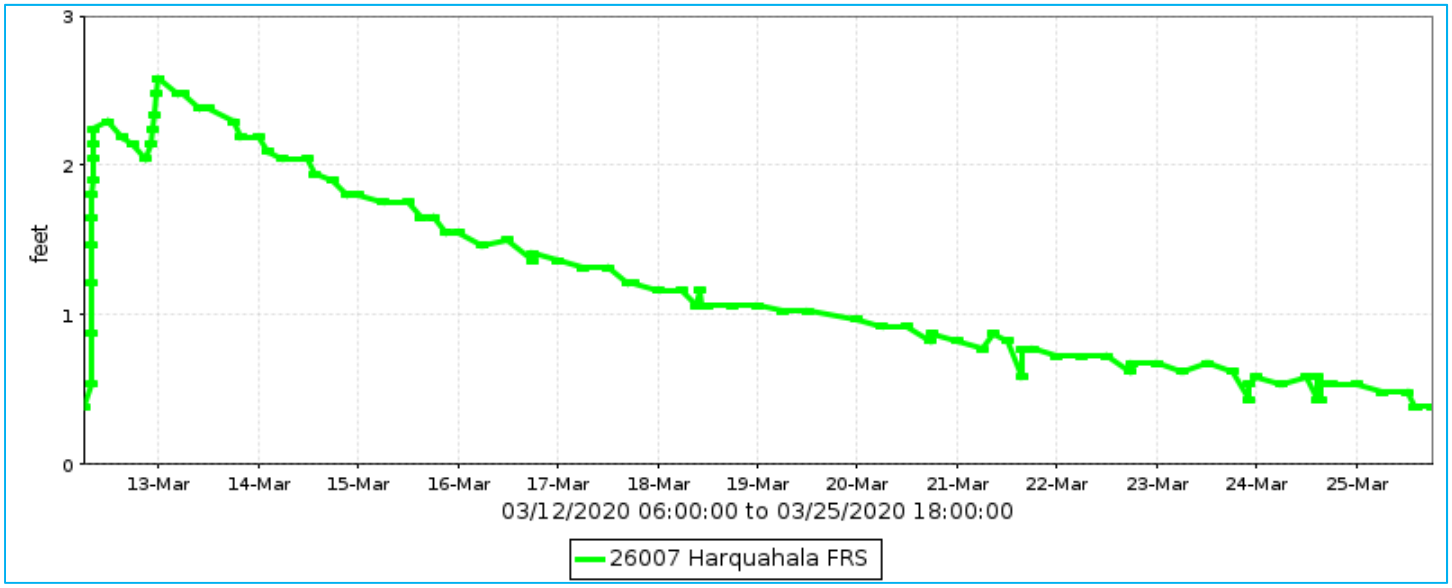




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	1.80	0.1	0.0
11/29/2019	2.14	0.1	0.0
02/22/2020	1.75	0.1	0.0
03/12/2020	2.58	0.1	0.0
08/30/2020	2.43	0.1	0.0

Hydrograph of peak WY 2020 impoundment event, 03/12/2020



Harquahala FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Harquahala FRS, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

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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10												
11												
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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 2020 MEAN 0 MAX 0 MIN 0

Harquahala FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	0.4	1.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.9
2	1.3	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.8
3	1.2	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.6
4	1.1	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.5
5	1.1	0.4	0.6	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	1.4
6	1.0	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.4
7	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
8	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
9	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
10	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0
11	0.7	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.9
12	0.7	0.4	0.4	0.4	0.7	1.6	0.4	0.4	0.4	0.4	0.4	0.8
13	0.6	0.4	0.4	0.4	0.5	2.4	0.4	0.4	0.4	0.4	0.4	0.8
14	0.6	0.4	0.4	0.4	0.4	2.0	0.4	---	0.4	0.4	0.4	0.8
15	0.5	0.4	0.4	0.4	0.4	1.7	0.4	0.4	0.4	0.4	0.4	0.7
16	0.5	0.4	0.4	0.4	0.4	1.5	0.4	0.4	0.4	0.4	0.4	0.6
17	0.5	0.4	0.4	0.4	0.4	1.3	0.4	0.4	0.4	0.4	0.4	0.6
18	0.4	0.4	0.4	0.4	0.4	1.1	0.4	0.4	0.4	0.4	0.4	0.5
19	0.4	0.4	0.4	0.4	0.4	1.0	0.4	0.4	0.4	0.4	0.4	0.4
20	0.4	0.9	0.4	0.4	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4
21	0.4	1.4	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4
22	0.4	1.1	0.4	0.4	1.0	0.7	0.4	0.4	0.4	0.4	0.4	0.4
23	0.4	0.9	0.4	0.4	1.4	0.6	0.4	0.4	0.4	0.4	0.4	0.4
24	0.4	0.7	0.4	0.4	1.1	0.5	0.4	0.4	0.4	0.4	0.4	0.4
25	0.4	0.6	0.4	0.4	0.9	0.5	0.4	0.4	0.4	0.4	0.4	0.4
26	0.4	0.5	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4
27	0.4	0.4	0.4	0.4	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
28	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
29	0.4	1.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
30	0.4	1.5	0.4	0.4	---	0.4	0.4	0.4	0.4	0.4	0.8	0.4
31	0.4	---	0.4	0.4	---	0.4	---	0.4	---	0.4	2.2	---
MEAN	0.6	0.6	0.5	0.4	0.5	0.7	0.4	0.4	0.4	0.4	0.5	0.8
MAX	1.5	2.1	1.2	0.4	1.8	2.6	0.4	0.4	0.4	0.4	2.4	1.9
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 2020 MEAN 0.51 MAX 2.58 MIN 0.38

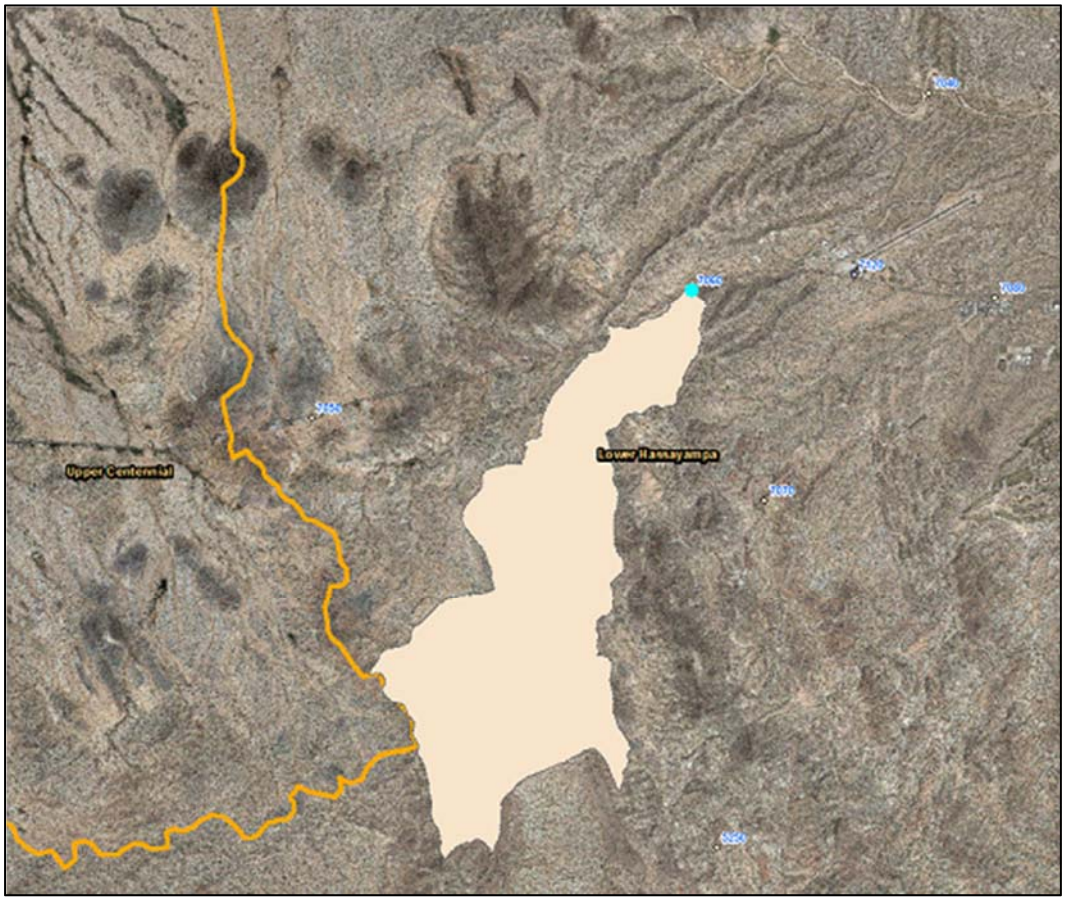
Hartman Wash, ID #51207

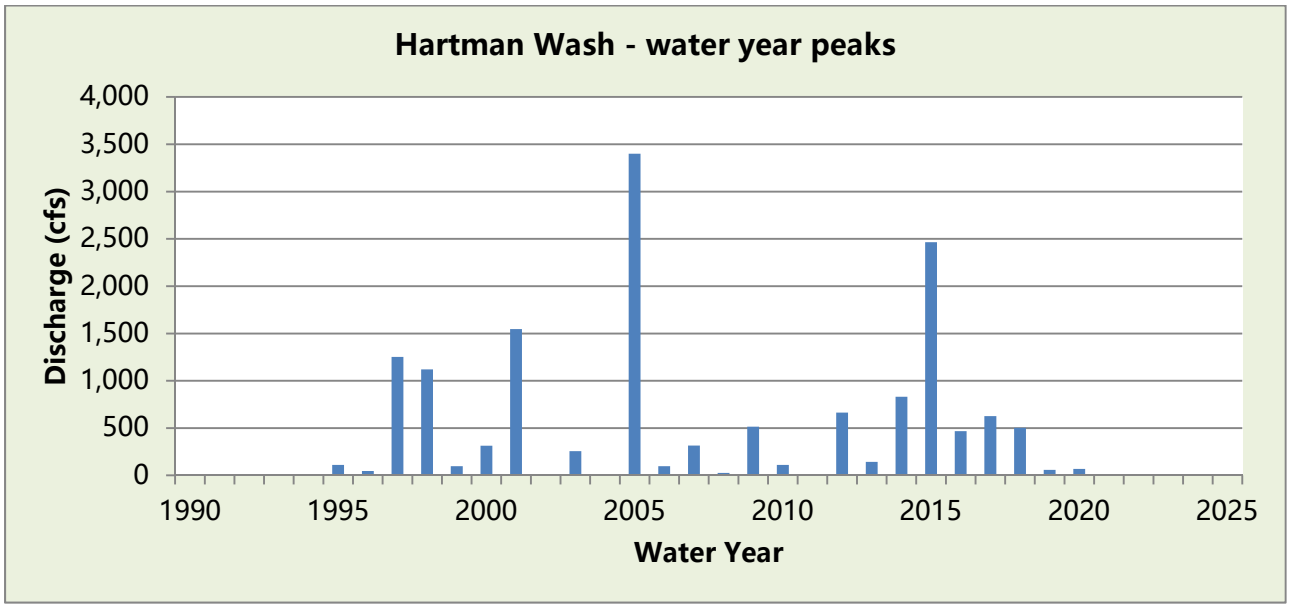


Site Data

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	26.24 Years | 9,584 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

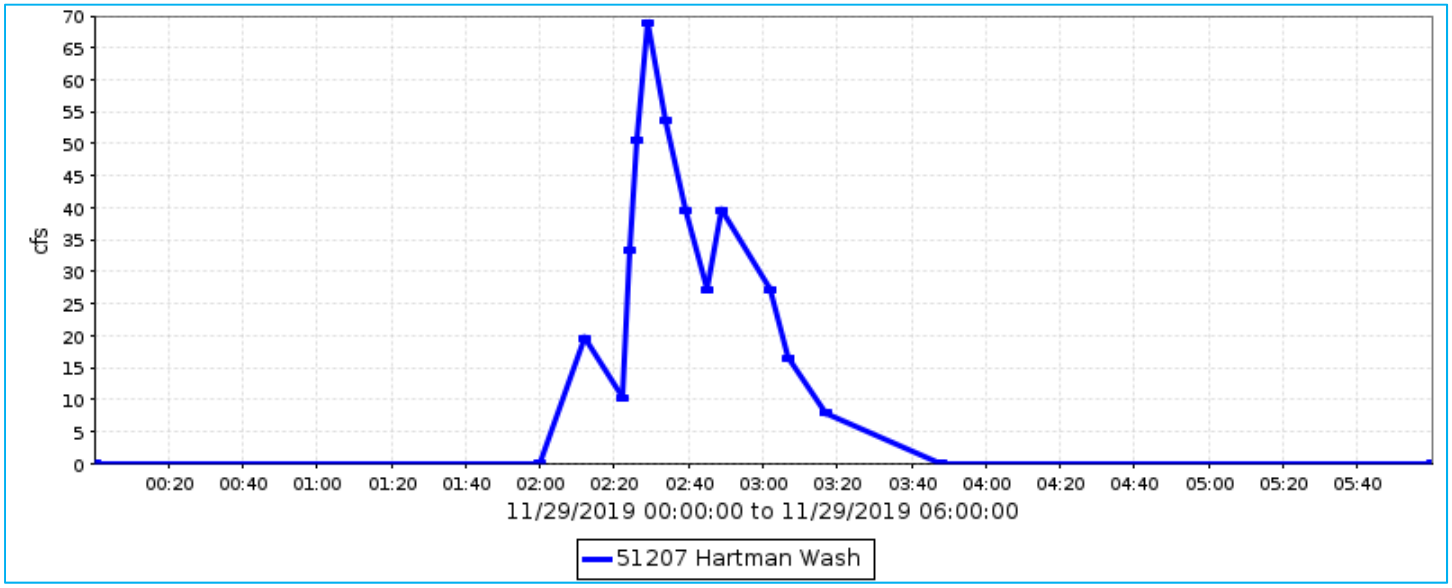




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	0.66	69

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
263	**977**	**1,710**	**2,560**	**3,780**	**4,750**

NOTE: These results are based on limited data.

Hartman Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		2										
30					---							
31		---			---		---		---			---
TOTAL	0	2	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	69	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	3	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 2 MEAN 0 MAX 69 MIN 0 AC_FT 3

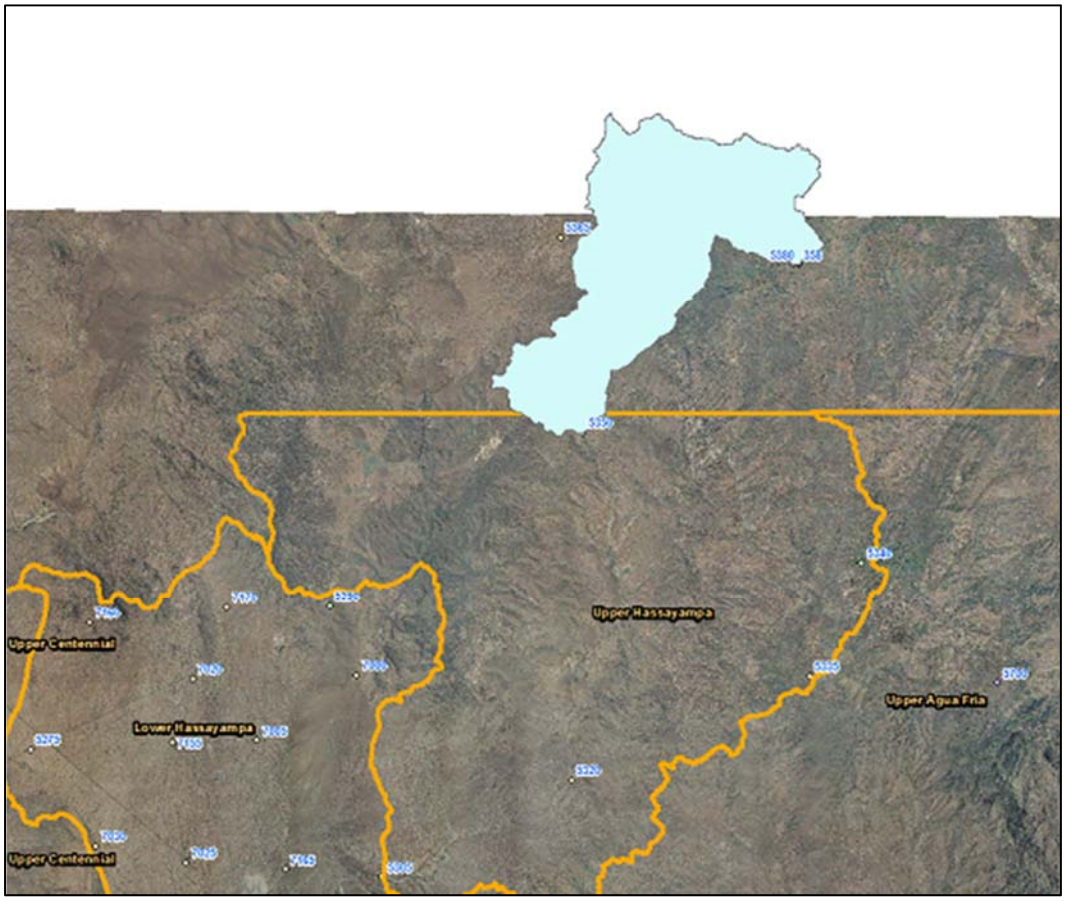
Hassayampa River at Wagoner, ID #54307

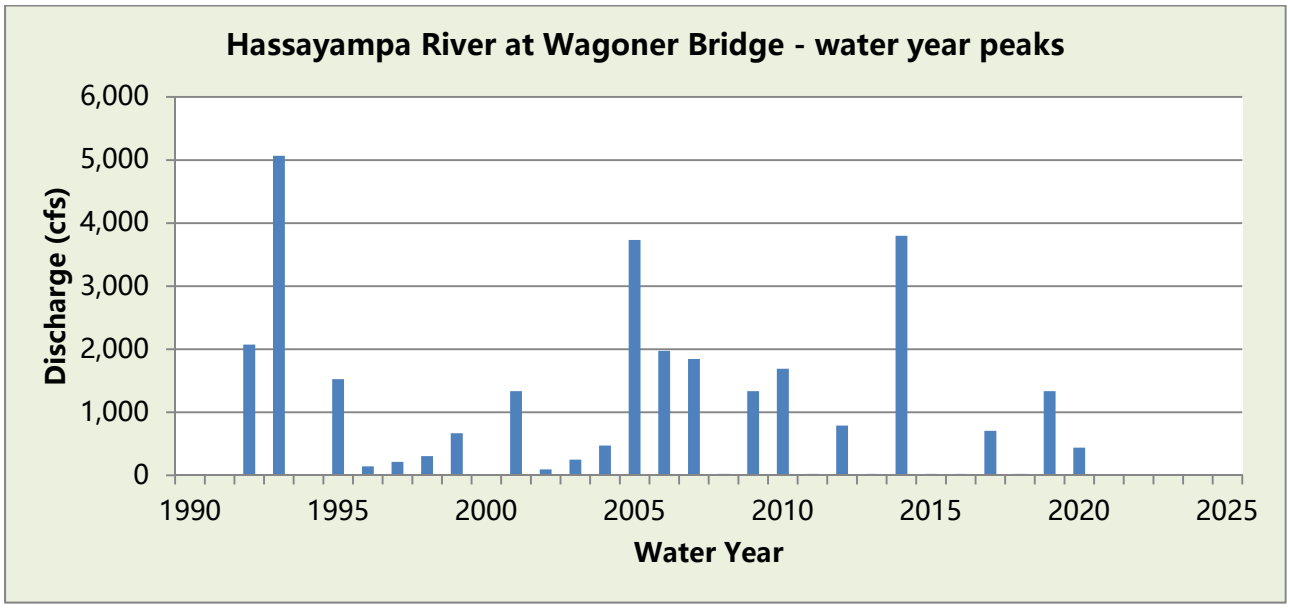


Site Data

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	28.85 Years | 10,536 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

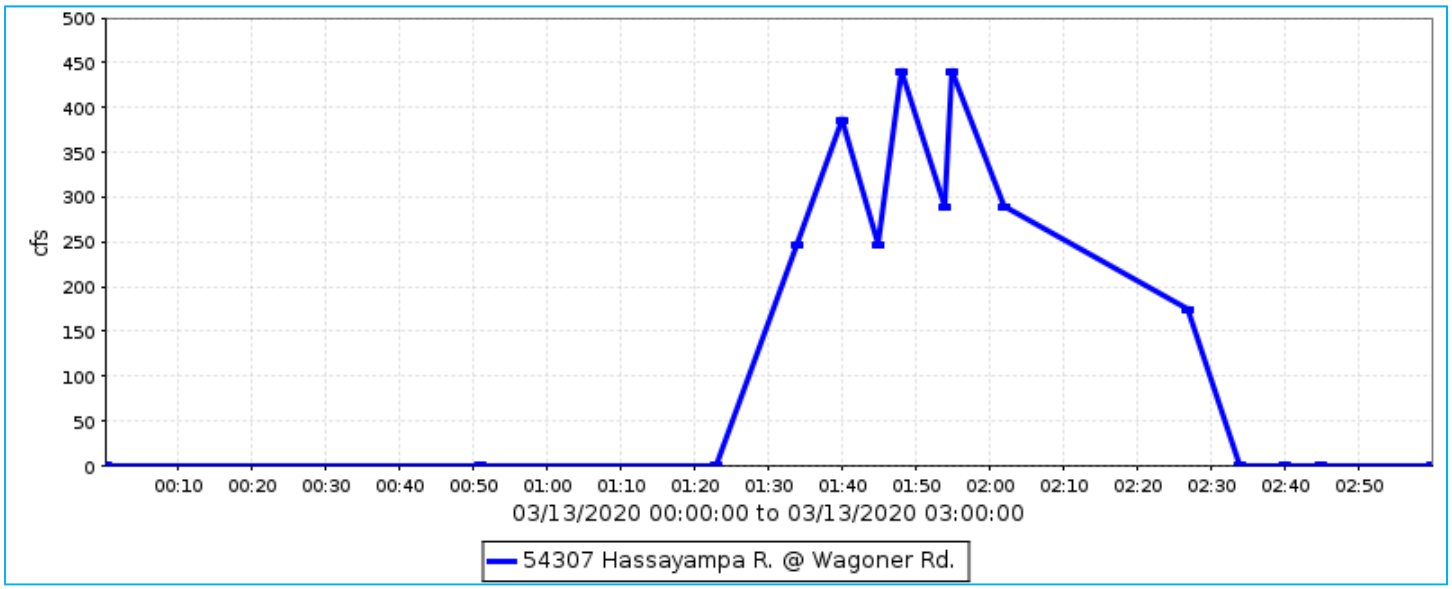




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
03/13/2020	3.07	440

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
415	**1,730**	**3,390**	**5,680**	**9,760**	**13,700**

NOTE: These results are based on limited data.

Hassayampa River at Wagoner, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						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	13	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	440	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	26	0	0	0	0	0	0

WTR YR 2020 TOTAL 13 MEAN 0 MAX 440 MIN 0 AC_FT 26

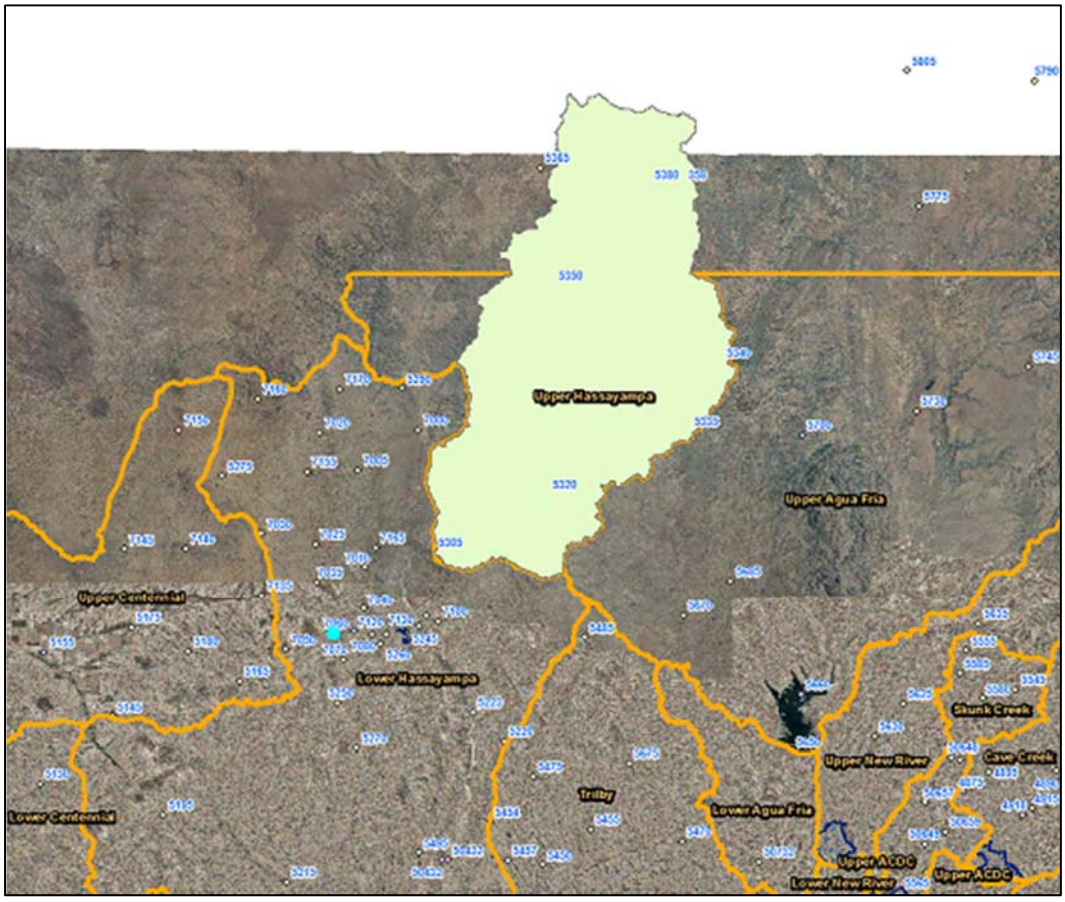
Hassayampa River at Box Canyon, ID #53507

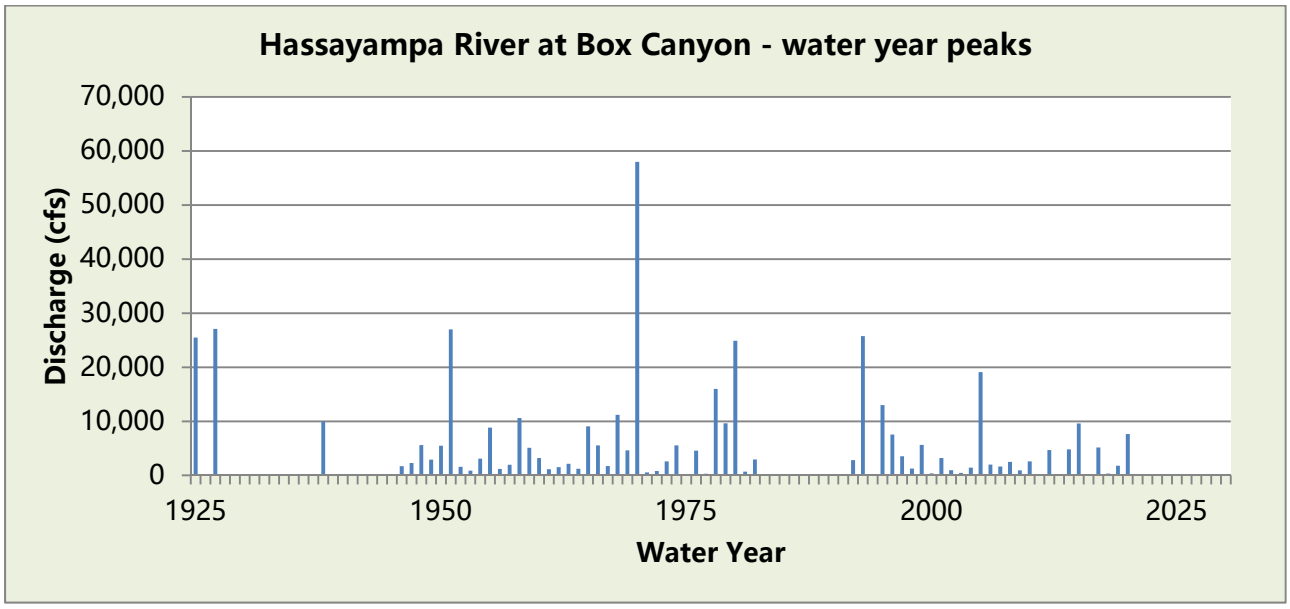


Site Data

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	28.96 Years | 10,578 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

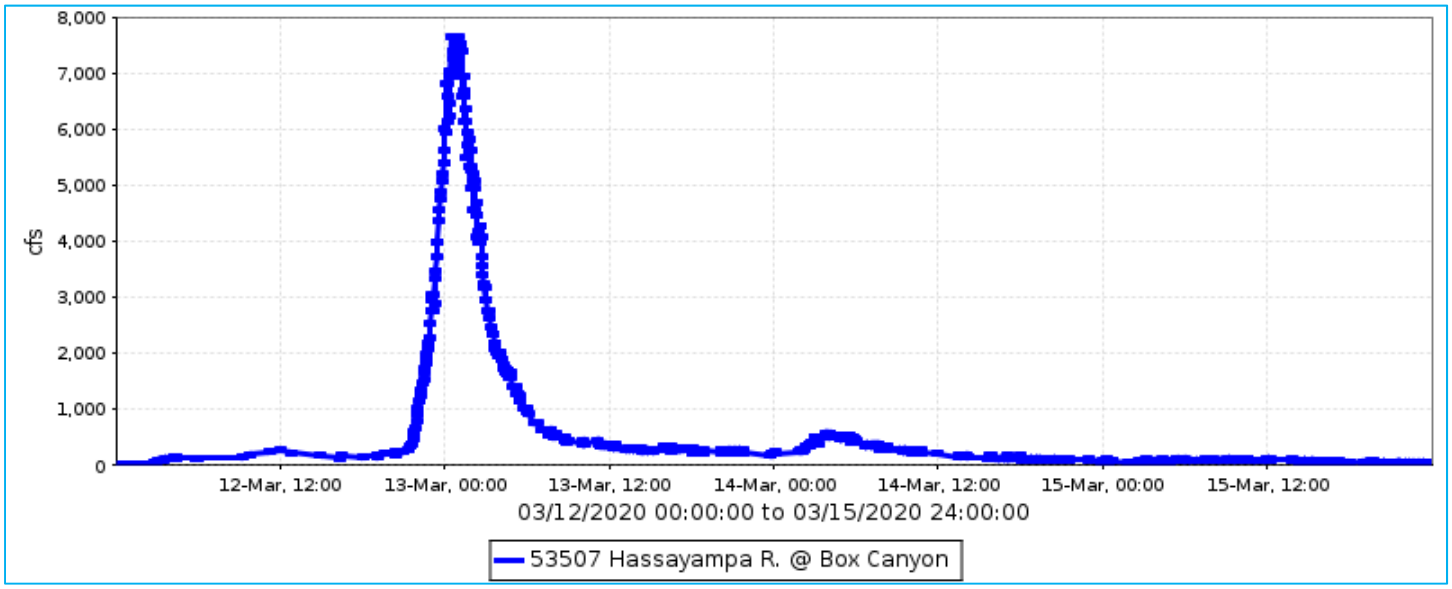




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	6.53	1,914
03/12/2020	4.31	254
03/13/2020	10.08	7,641
03/14/2020	4.85	559
03/19/2020	6.51	1,901

Hydrograph of peak WY 2020 flow event, 03/13/2020



Flood Flow Frequency

Flood Flow Frequency N=70, HEC-WRC computation (based on 70 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
3,230	**9,990**	**17,300**	**26,500**	**42,100**	**56,500**

NOTE: These results are based on available data.

Hassayampa River at Box Canyon, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						17	17					
2						17	17				1	
3						17	17				2	
4						17	17				2	
5						19	17				1	
6						17	17				2	
7						19	19				1	
8			---			17	17				1	
9						17	19				1	
10						17	17				1	
11						17	17				1	
12	---					370	17				2	
13	---					1204	17				1	
14						221	17				4	
15						65	17				3	
16						33	19				1	
17						17	17				2	
18						387	17				1	
19					9	380	19				2	
20					17	18	19				1	
21					17	36	17					
22					17	53	20				2	
23					17	39	20				1	
24					17	22	20				2	
25					17	19	22					
26					17	17	21					
27					17	19	20				1	
28					19	17	22				1	
29		350			17	17	4					
30		---			---	17						
31		---			---	17	---		---			---
TOTAL	0	350	0	0	182	3162	518	0	0	0	39	0
MEAN	0	12	0	0	6	102	17	0	0	0	1	0
MAX	0	1914	0	0	23	7641	37	0	0	0	13	0
MIN	0	0	0	0	0	17	0	0	0	0	0	0
AC_FT	0	694	0	0	361	6272	1027	0	0	0	78	0

WTR YR 2020 TOTAL 4251 MEAN 12 MAX 7641 MIN 0 AC_FT 8431

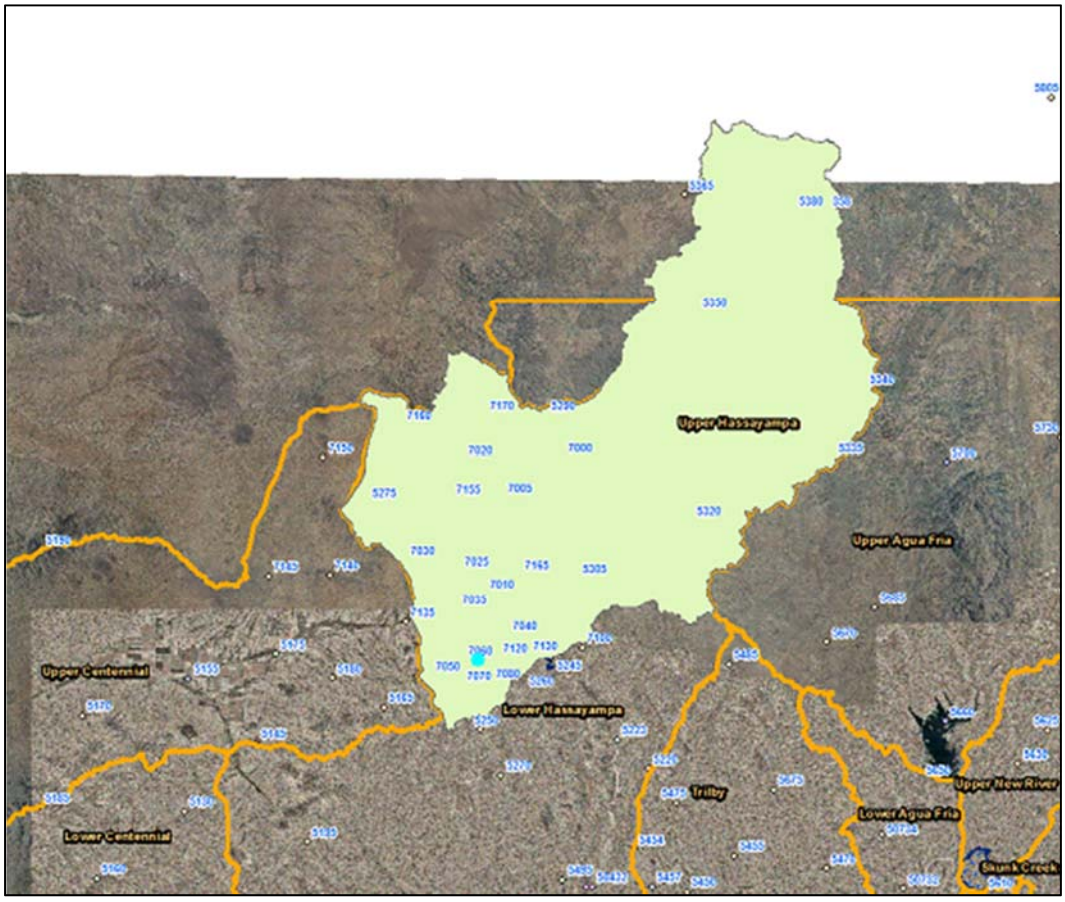
Hassayampa River at US60, ID #45707

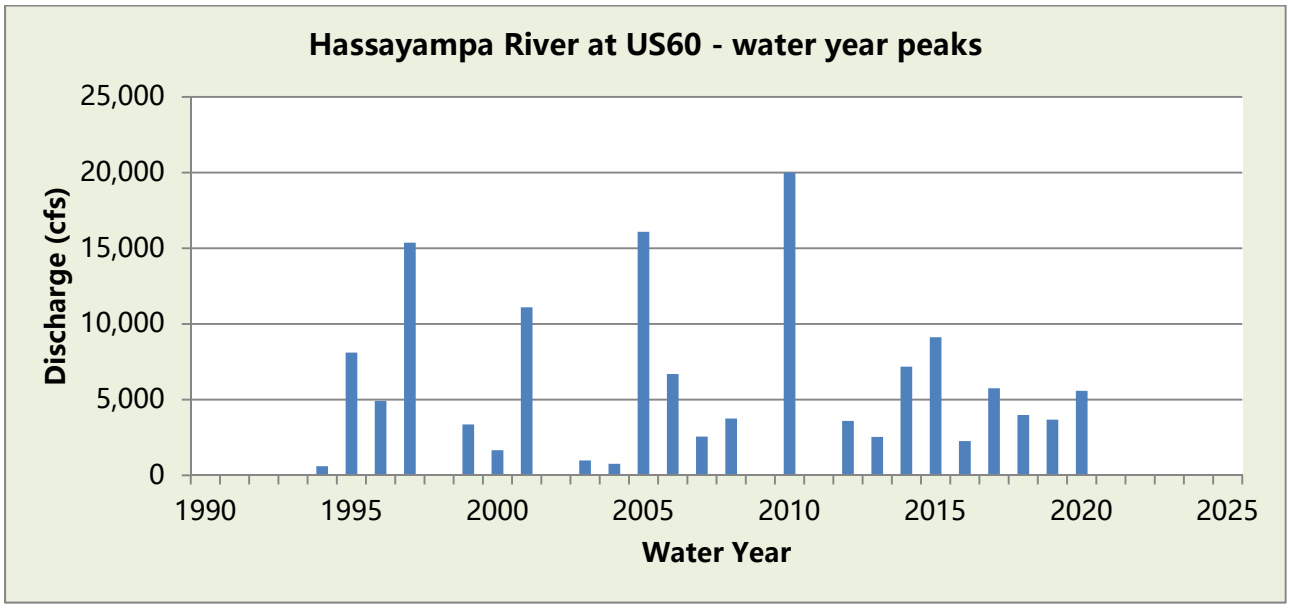


Site Data

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	26.55 Years | 9,698 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

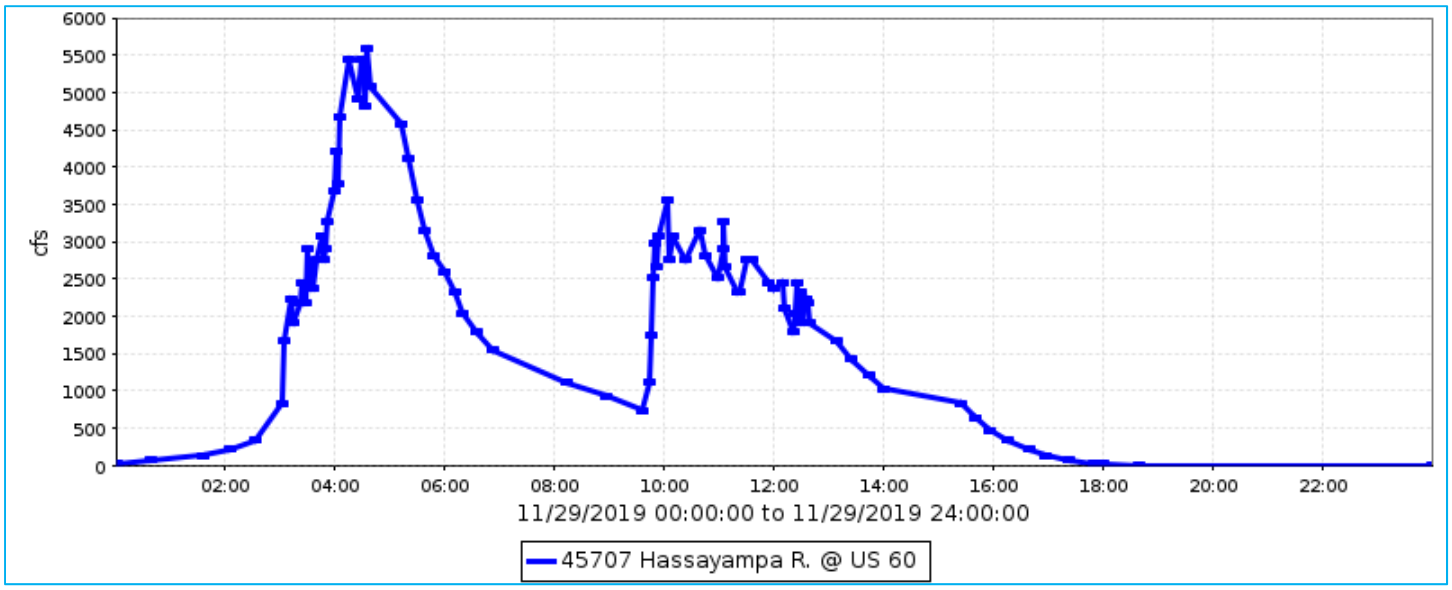




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	0.82	70
11/21/2019	1.17	404
11/28/2019	0.97	175
11/29/2019	2.87	5,590
03/12/2020	1.62	1,212
03/13/2020	2.84	5,432
03/13/2020	2.11	2,431
03/14/2020	2.16	2,576
03/14/2020	1.94	1,967
03/19/2020	2.14	2,517
03/19/2020	2.21	2,724
03/19/2020	2.56	4,075

Hydrograph of peak WY 2020 flow event, 11/29/2019



Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							368					
2							391					
3							415					
4							333					
5						1	306					
6						1	363					
7							293					
8							297					
9							327					
10							299					
11							271					
12						221	251					
13	---					1626	287					
14						1217	264					
15						936	239					
16						751	259					
17						676	259					
18						512	226					
19						1668	213					
20		4				809	220					
21		81				730	177					
22		2				563	103					
23						541						
24						570						
25						677						
26						502						
27						355						
28		36				324						
29		1217				273						
30					---	268						
31		---			---	273	---		---			---
TOTAL	0	1340	0	0	0	13492	6163	0	0	0	0	0
MEAN	0	45	0	0	0	435	205	0	0	0	0	0
MAX	0	5590	0	0	0	6530	508	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	2659	0	0	0	26761	12224	0	0	0	0	0

WTR YR 2020 TOTAL 20996 MEAN 57 MAX 6530 MIN 0 AC_FT 41644

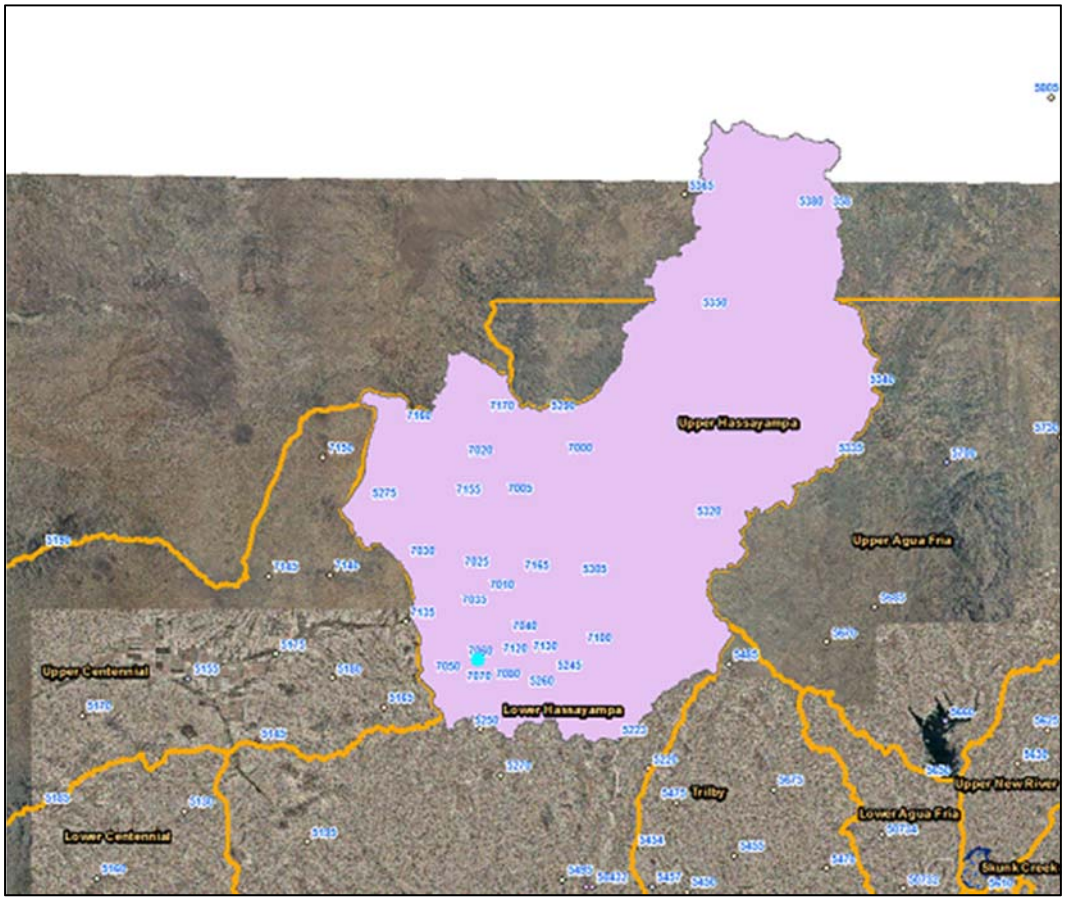
Hassayampa River near Morristown, ID #45507

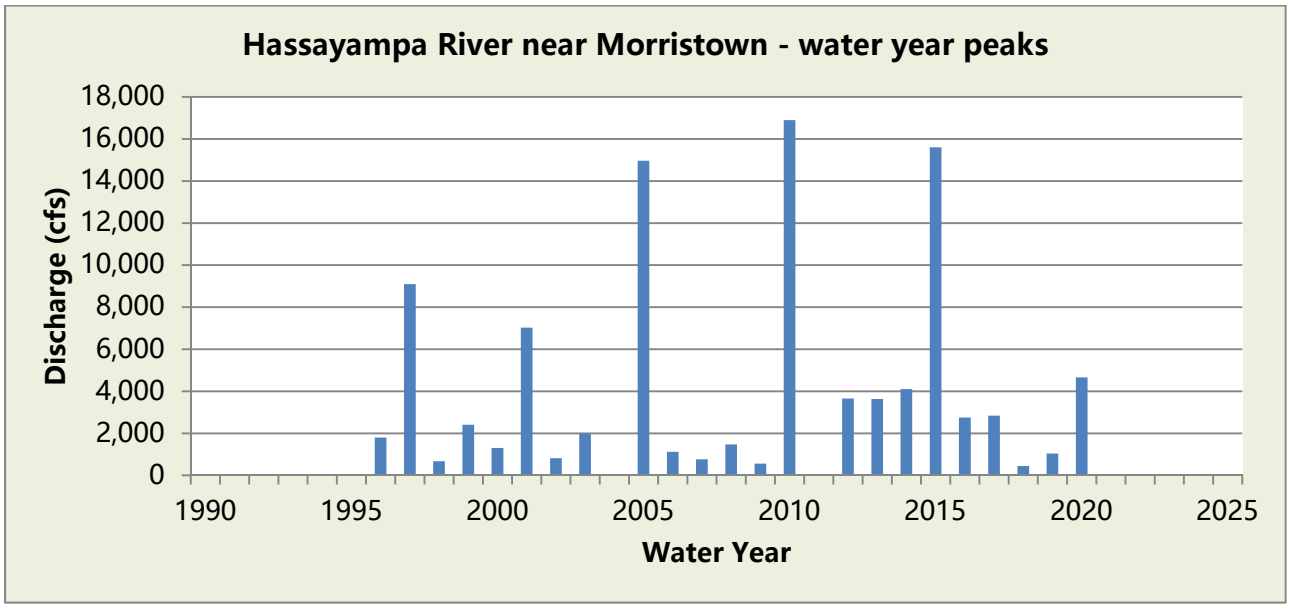


Site Data

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	24.40 Years | 8,913 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

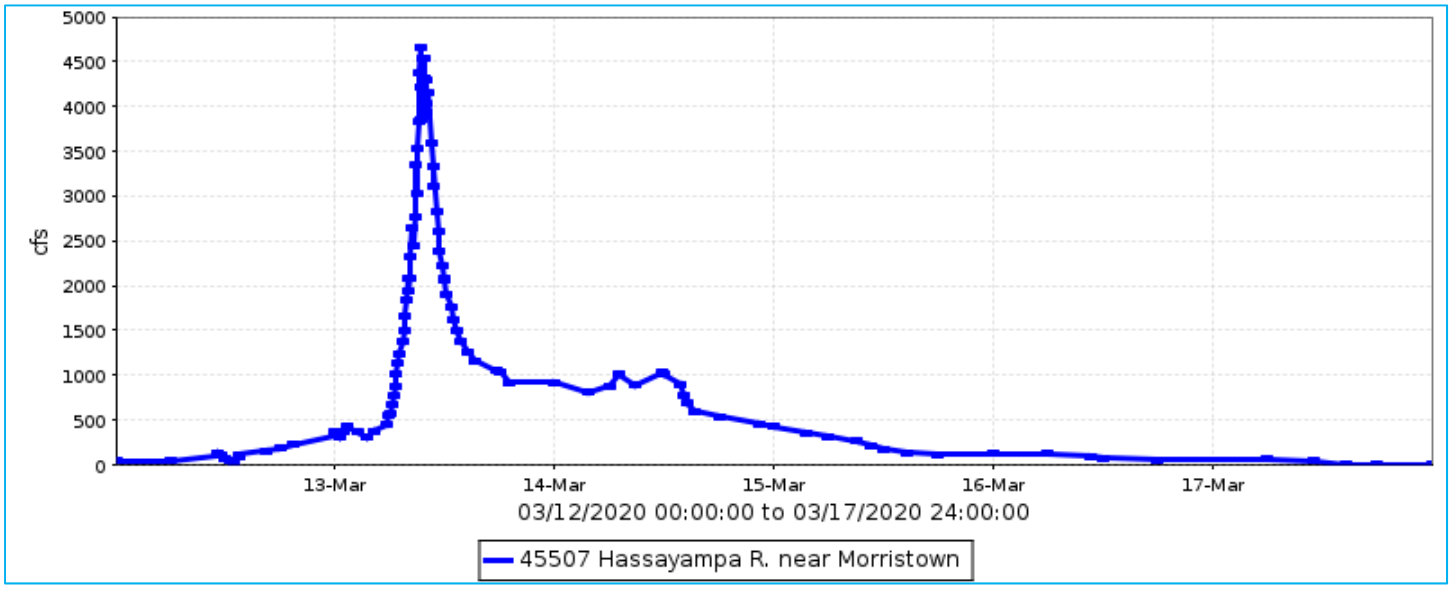




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	9.88	2,110
11/29/2019	9.47	1,565
03/13/2020	11.13	4,664
03/19/2020	9.71	1,872

Hydrograph of peak WY 2020 flow event, 03/13/2020



Flood Flow Frequency

Flood Flow Frequency N=67, HEC-WRC computation (based on 67 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
2,950	**9,190**	**14,900**	**21,000**	**29,400**	**35,700**

NOTE: These results are based on available data.

Hassayampa River near Morristown, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			23									
2												
3												
4												
5												
6												
7												
8												
9												
10												
11						9						
12						104						
13						1295						
14						768						
15						235						
16						91						
17						33						
18						117						
19						1012						
20						521						
21		---				228						
22						139						
23						104						
24						88					---	
25						79						
26						73						
27						72						
28						66						
29		685				56						
30		216			---	44					2	
31		---			---		---		---			---
TOTAL	0	900	23	0	0	5135	0	0	0	0	2	0
MEAN	0	30	1	0	0	166	0	0	0	0	0	0
MAX	0	2110	47	0	0	4664	0	0	0	0	107	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1786	47	0	0	10185	0	0	0	0	3	0

WTR YR 2020 TOTAL 6060 MEAN 17 MAX 4664 MIN 0 AC_FT 12020

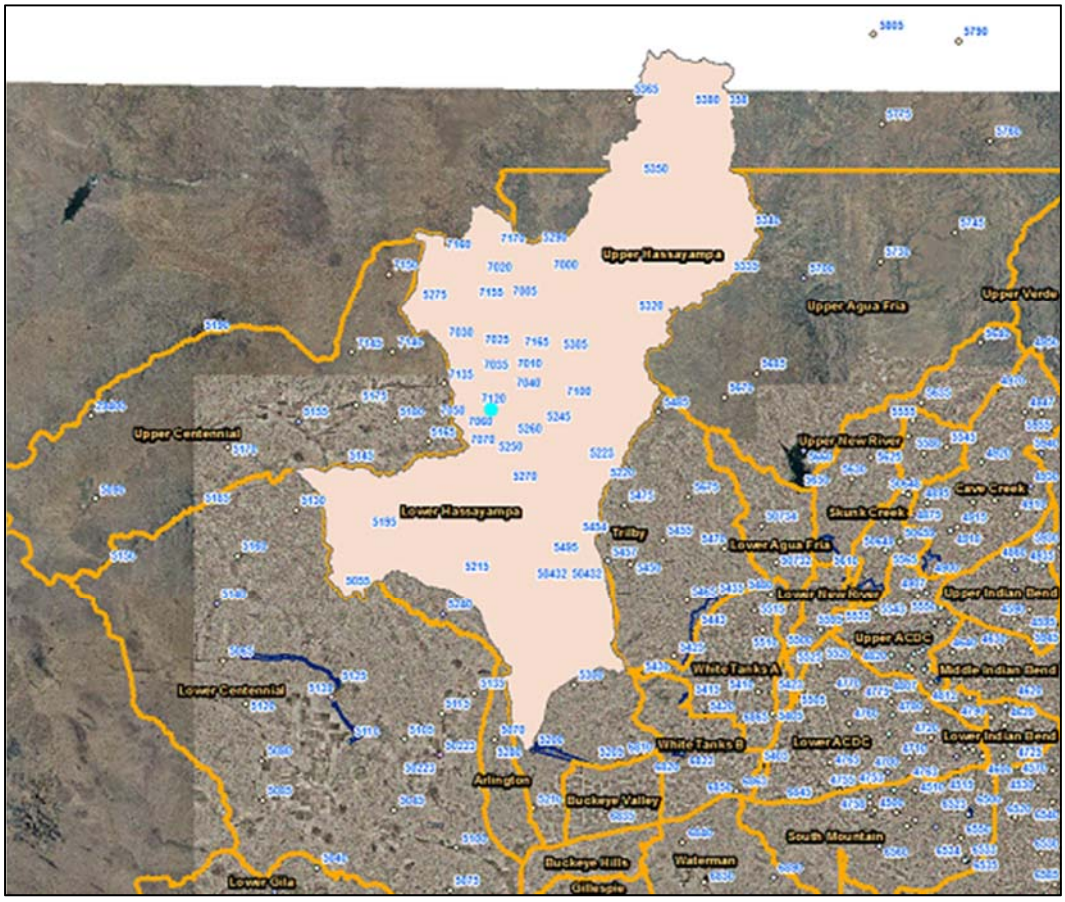
Hassayampa River at I-10, ID #48007

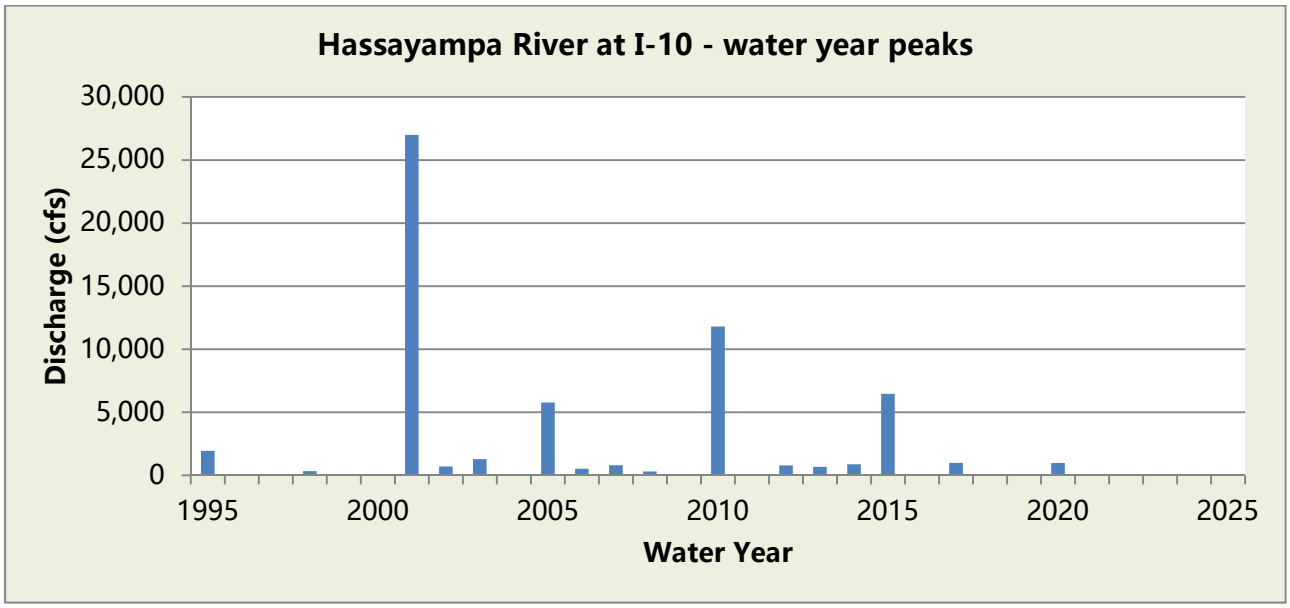


Site Data

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	25.89 Years | 9,458 Days
DATA GAPS IN POR	02/15/2011 - 01/30/2012
STAGE GAGE ELEVATION	2.40 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

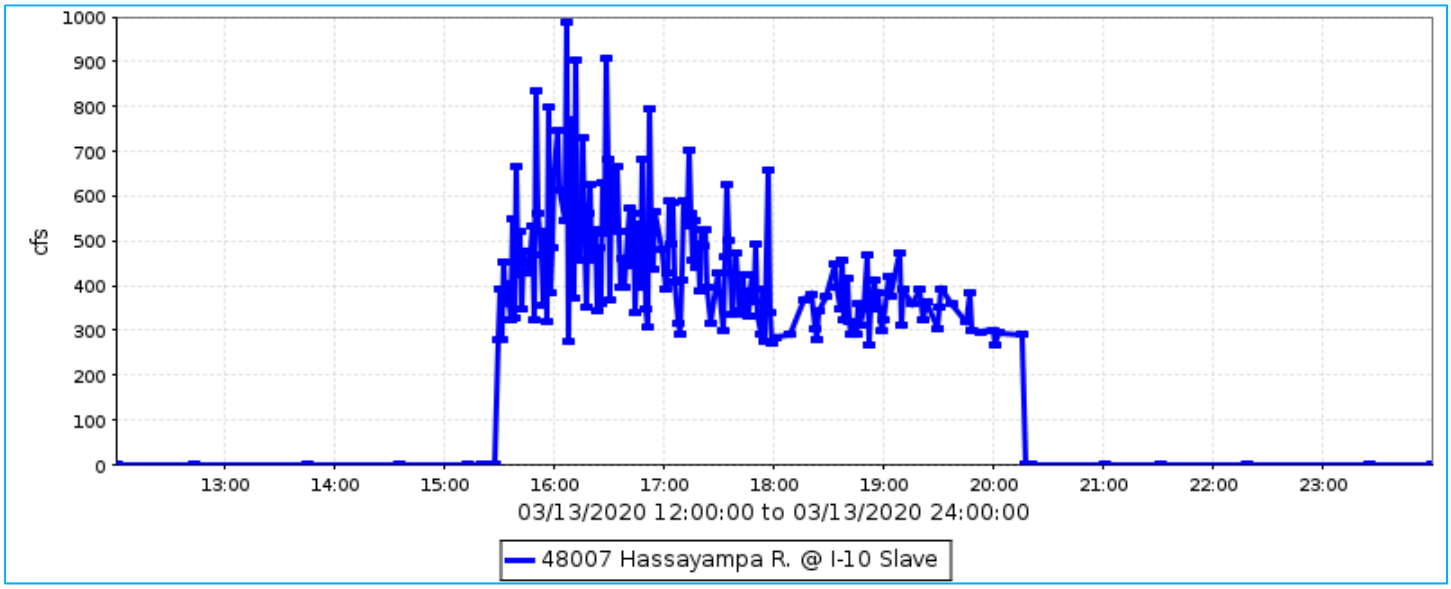




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	2.00	327
11/29/2019	2.64	767
03/13/2020	2.98	987
03/19/2020	2.74	828

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
399	**2,240**	**5,410**	**11,100**	**24,400**	**41,200**

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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				21								
8												
9												
10												
11												
12												
13						83						
14												
15												
16												
17												
18												
19						125						
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		30										
30					---							
31		---			---		---		---			---
TOTAL	0	30	0	21	0	208	0	0	0	0	0	0
MEAN	0	1	0	1	0	7	0	0	0	0	0	0
MAX	0	767	0	317	0	987	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	59	0	42	0	412	0	0	0	0	0	0

WTR YR 2020 TOTAL 258 MEAN 1 MAX 987 MIN 0 AC_FT 512

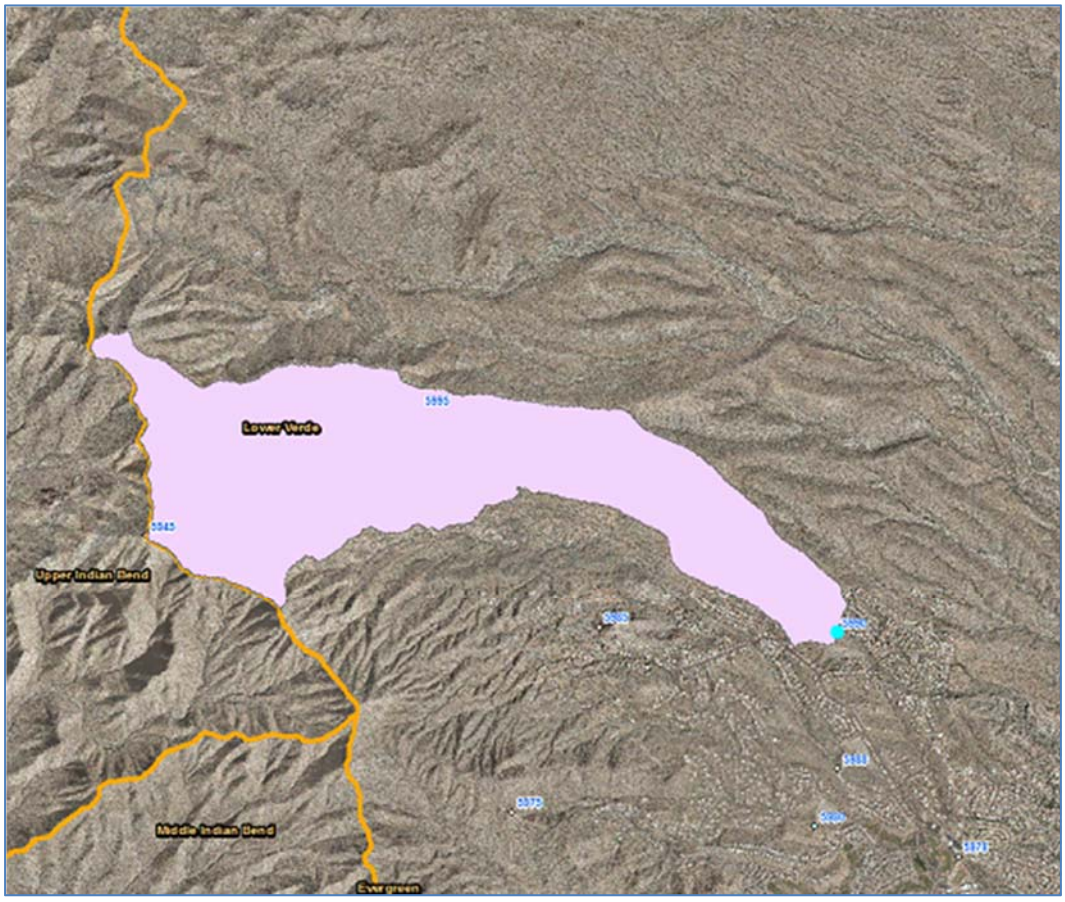
Hesperus Dam, ID #79007

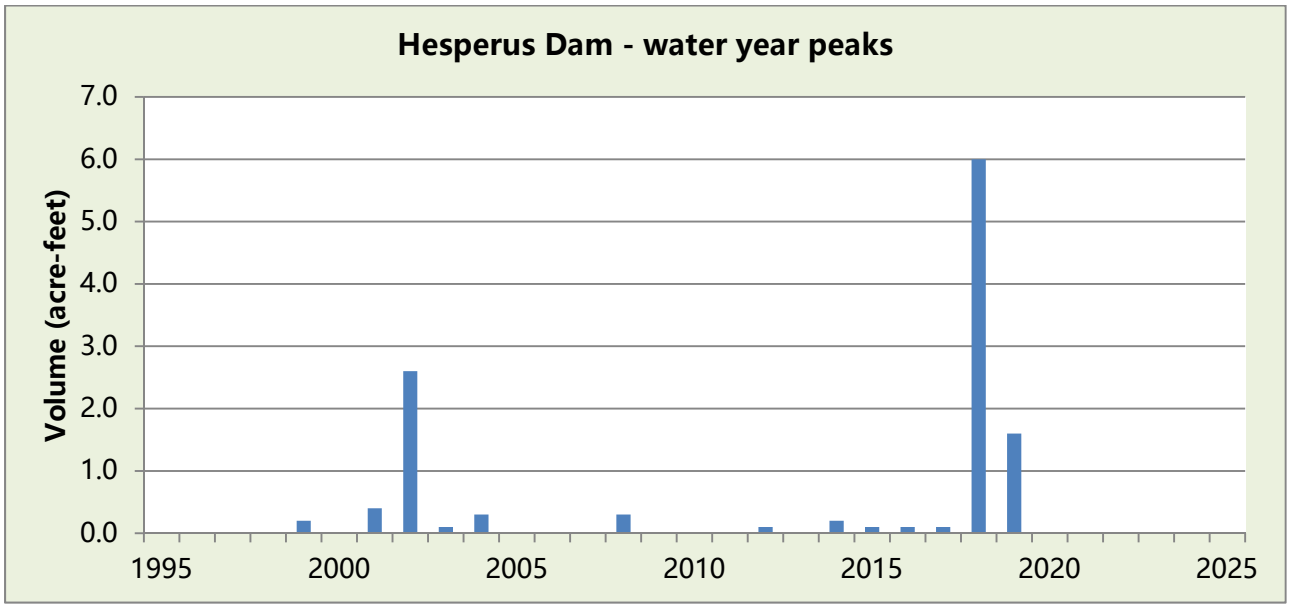


Site Data

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	23.79 Years | 8,688 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event,

No impoundments recorded in Water Year 2020.

Hesperus Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Hesperus Dam, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

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 2020 MEAN 0 MAX 0 MIN 0

Hesperus Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.8	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
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
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	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	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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 2020 MEAN 0.79 MAX 0.79 MIN 0.79

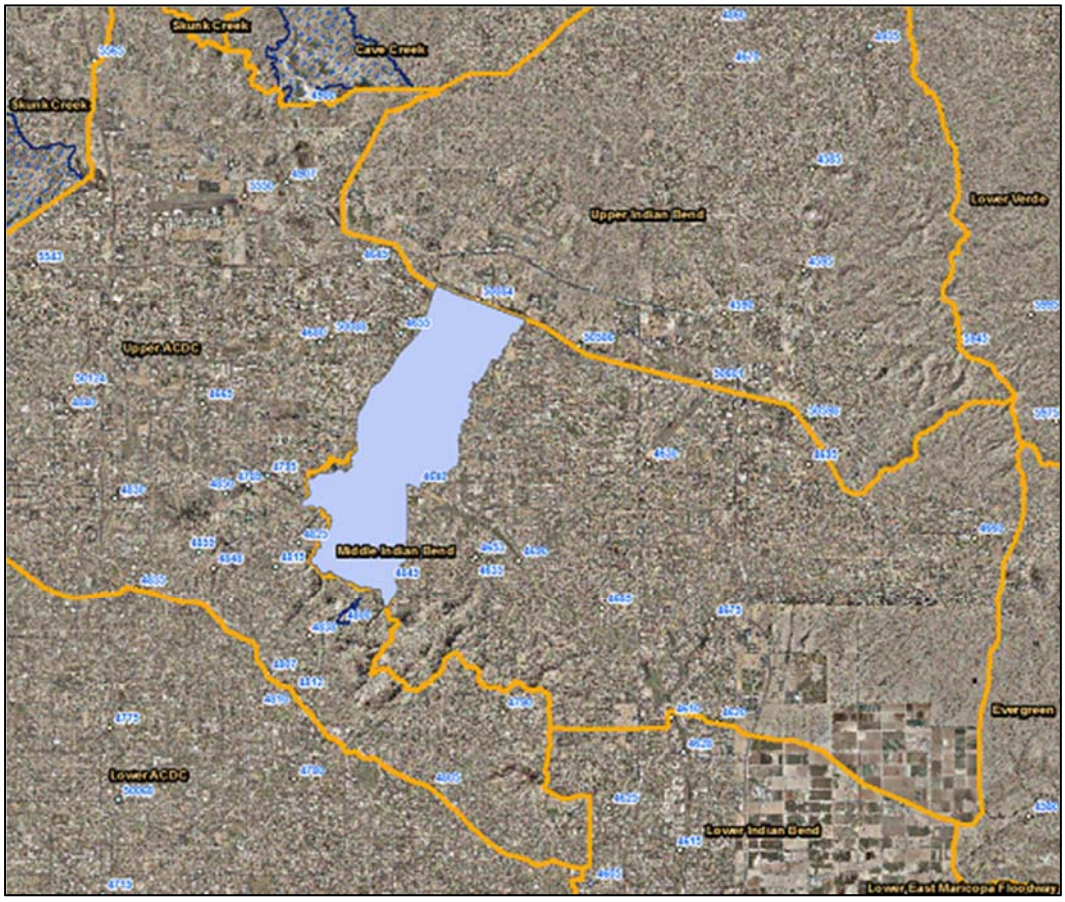
Indian Bend Wash at Sweetwater Avenue – ID #58307

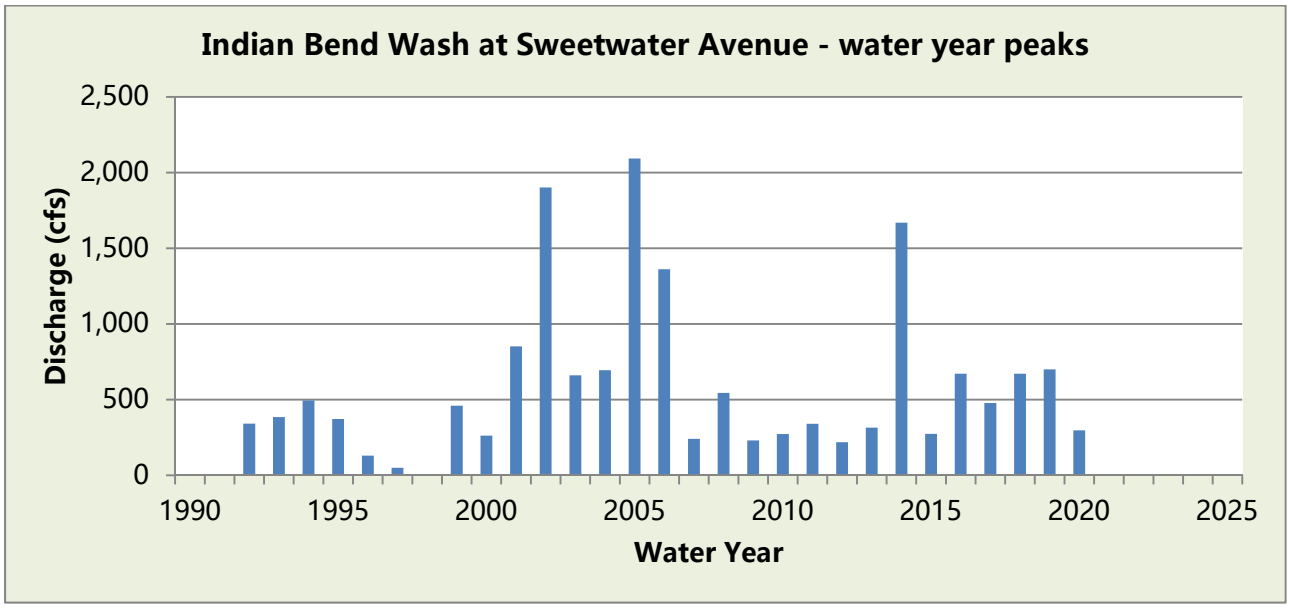


Site Data

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	28.51 Years | 10,415 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

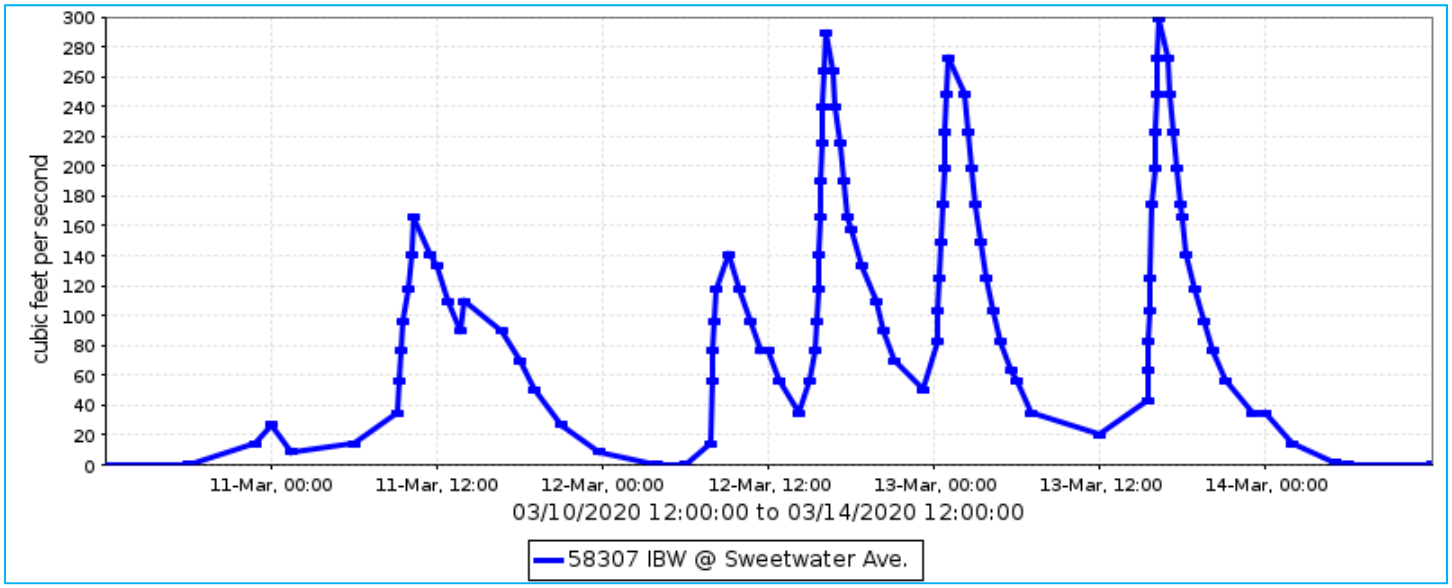




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	1.31	181
11/21/2019	0.43	50
11/29/2019	1.70	247
12/07/2019	0.58	69
12/09/2019	1.36	190
12/24/2019	0.43	50
12/25/2019	0.72	88
12/27/2019	0.77	95
02/11/2019	0.92	117
02/22/2019	1.46	207
03/11/2020	1.22	166
03/12/2020	1.07	141
03/12/2020	1.95	290
03/13/2020	1.85	272
03/13/2020	2.00	298
03/18/2020	0.92	117
07/24/2020	0.83	103
08/30/2020	0.34	35

Hydrograph of peak WY 2020 flow event, 03/13/2020



Flood Flow Frequency (NOTE: Results for the HEC-WRC analysis are based on very limited data.)

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**
214	**436**	**859**	**1,210**	**1,600**	**2,640**
FEMA FIS, Flood Flow Frequency					
		2,000		**3,500**	**6,000**

Indian Bend Wash at Sweetwater Avenue, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		---							
9			27		---							
10					4	1						
11					29	58						
12		1				75						
13						97						
14						5						
15												
16												
17												
18						20						
19						5						
20		66										
21		7										
22					55							
23												
24			27							15		
25			19							2		
26												
27			8									
28												
29		44										
30					---						2	
31		---			---		---		---			---
TOTAL	0	119	91	0	86	261	0	0	0	17	2	0
MEAN	0	4	3	0	3	8	0	0	0	1	0	0
MAX	0	247	190	0	207	298	0	0	0	103	35	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	235	181	0	172	517	0	0	0	35	4	0

WTR YR 2020 TOTAL 577 MEAN 2 MAX 298 MIN 0 AC_FT 1144

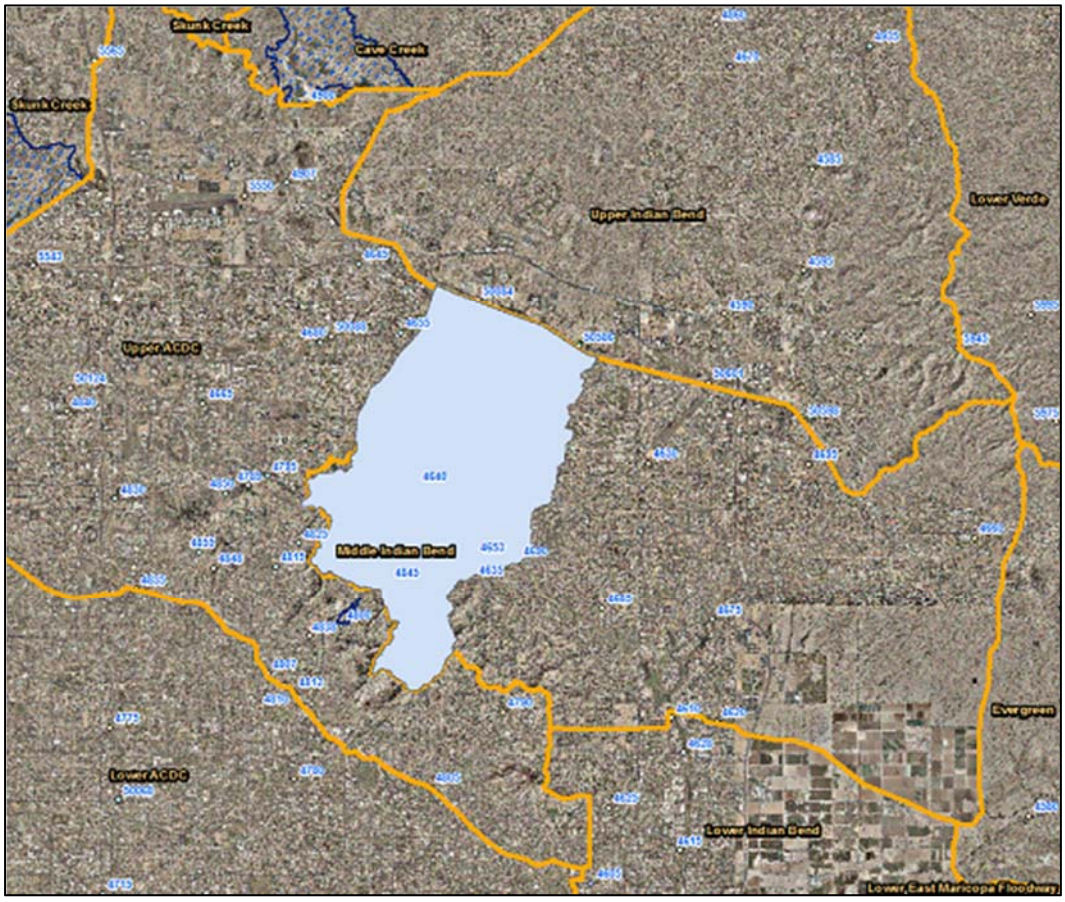
Indian Bend Wash at Shea Boulevard, ID #59507

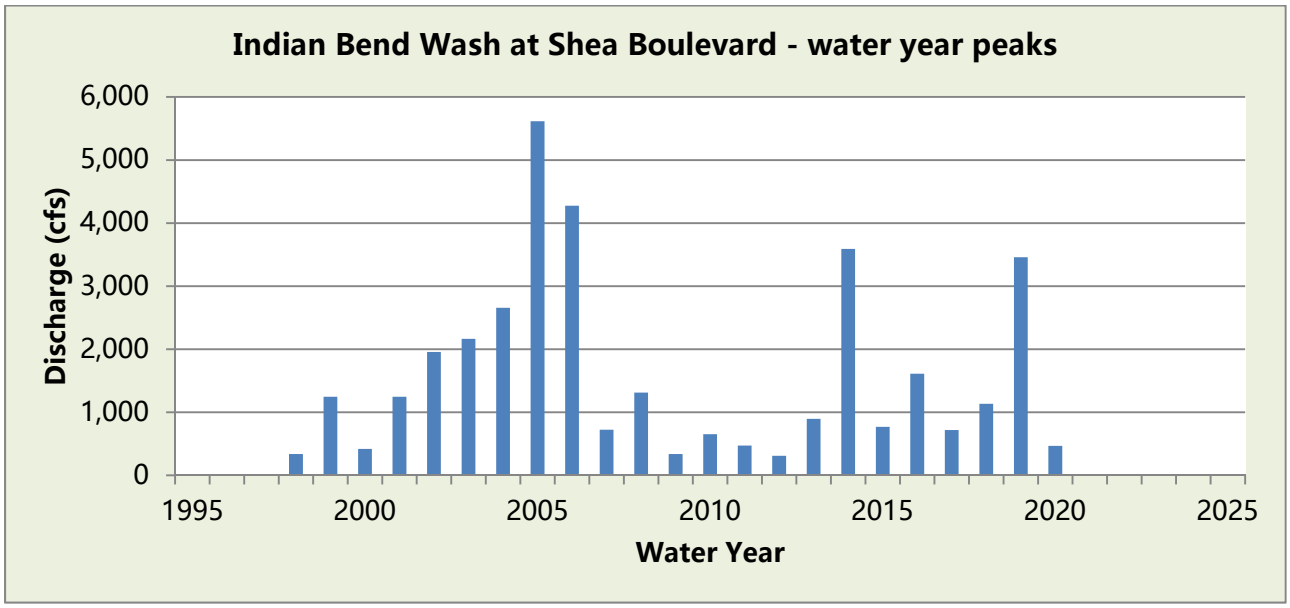


Site Data

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	22.31 Years | 8,150 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

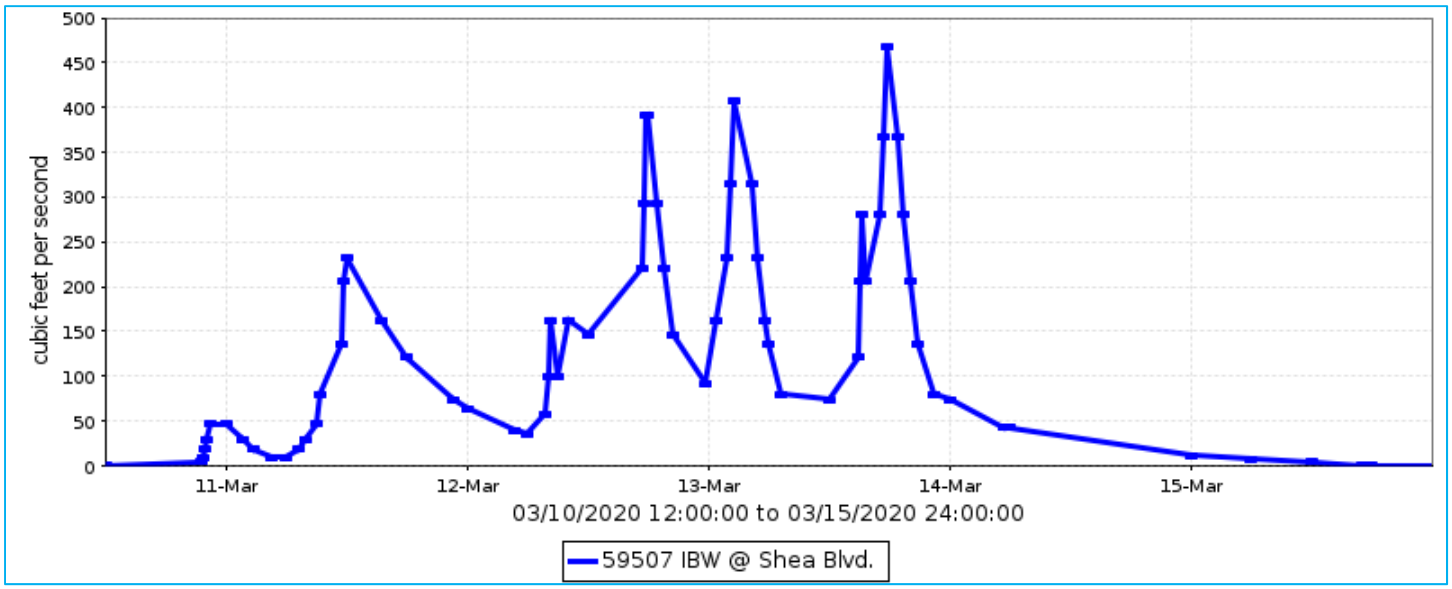




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/19/2019	0.72	18
11/20/2019	1.72	468
11/29/2019	1.47	280
12/08/2019	0.98	48
12/09/2019	1.35	210
12/24/2019	1.13	96
02/11/2020	0.88	34
02/22/2020	1.58	359
03/11/2020	1.39	232
03/12/2020	1.62	392
03/13/2020	1.64	407
03/13/2020	1.72	468
03/18/2020	1.42	249
07/24/2020	1.24	146
08/20/2020	1.39	232

Hydrograph of peak WY 2020 flow event, 03/13/2020



Flood Flow Frequency

Flood Flow Frequency N=32, HEC-WRC computation (based on 32 years of data, USGS and FCDMC data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,150	**2,330**	**3,420**	**4,730**	**6,880**	**8,870**

NOTE: These results are based on limited data.

Inidan Bend Wash at Shea Boulevard, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5										1		
6					---				1	1		
7			1		---							
8			27		---							
9			60		---							
10			94			4						
11					13	98				---		
12					10	134				---		
13						184				---		
14						49						
15						6						
16												
17												
18						33						
19		3				45						
20		174				2					24	
21		50									15	
22		25			141							
23		2			49							
24			22	9						22		
25			80	4						3		
26			3									
27												
28												
29		177										
30		2			---							
31		---			---		---		---			---
TOTAL	0	432	286	13	213	556	0	0	1	27	40	0
MEAN	0	14	9	0	7	18	0	0	0	1	1	0
MAX	0	468	210	12	359	468	0	0	2	146	232	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	857	568	25	423	1103	0	0	1	53	79	0

WTR YR 2020 TOTAL 1568 MEAN 4 MAX 468 MIN 0 AC_FT 3109

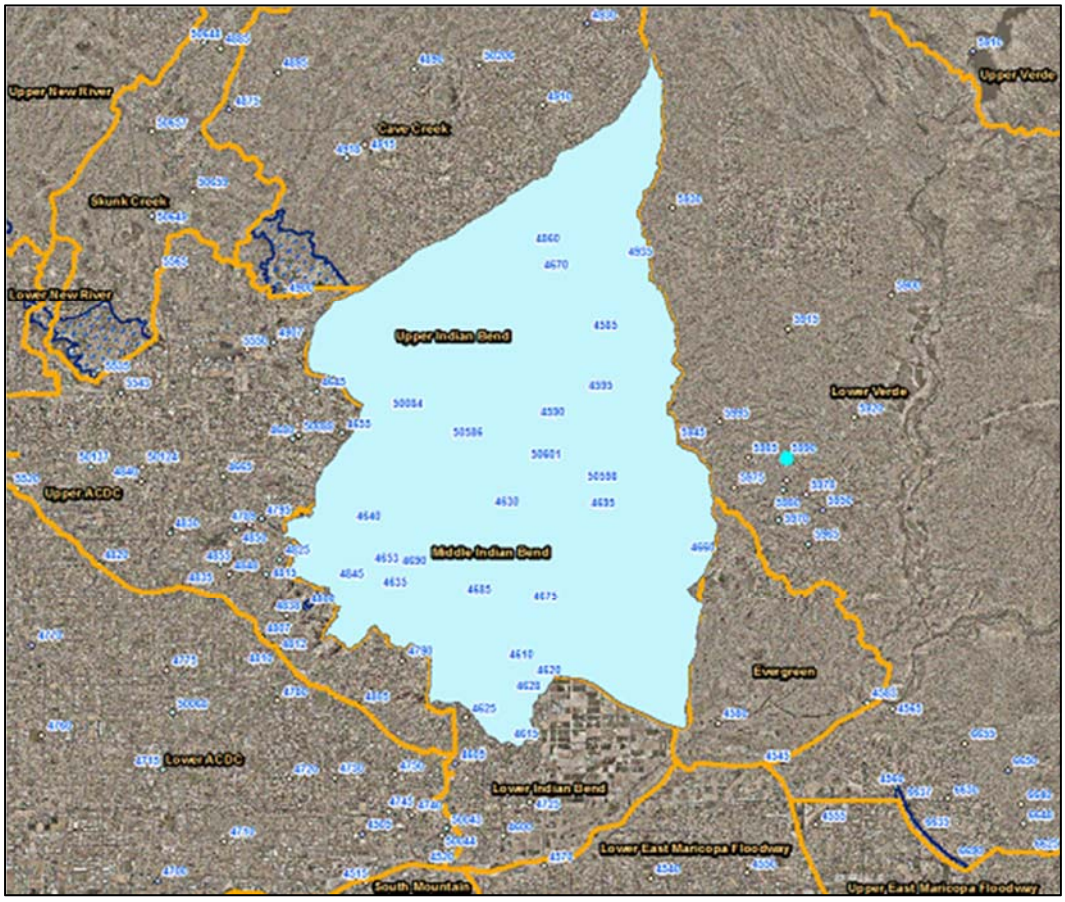
Indian Bend Wash near Indian Bend Road – ID #56307

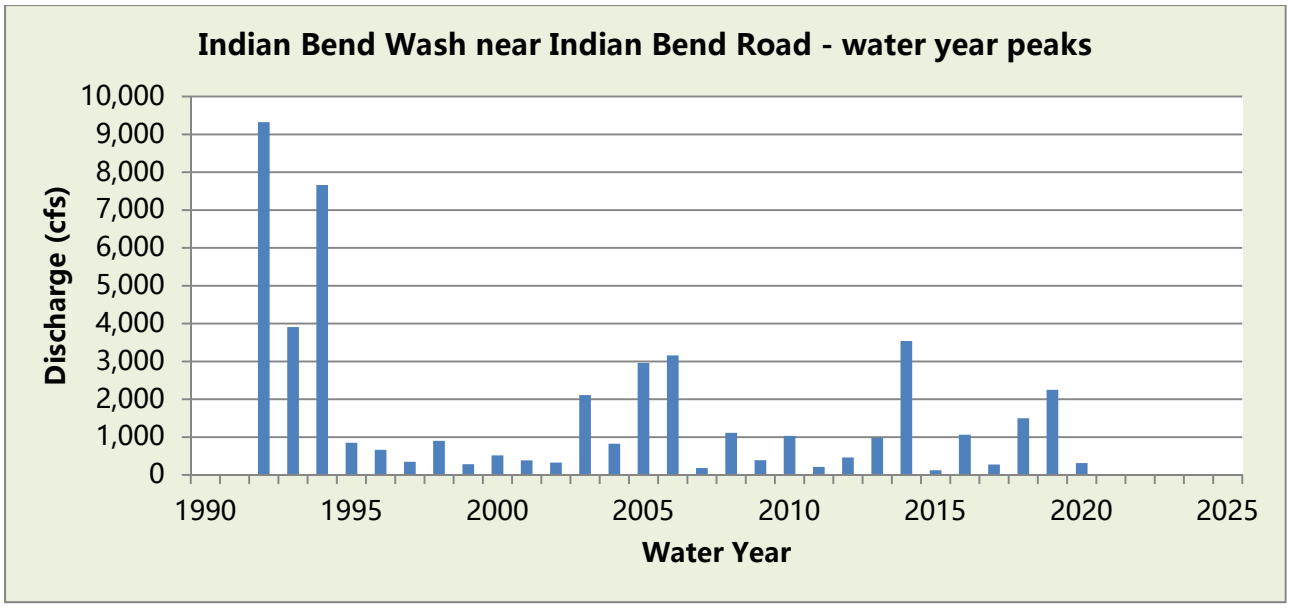


Site Data

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	28.51 Years | 10,415 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

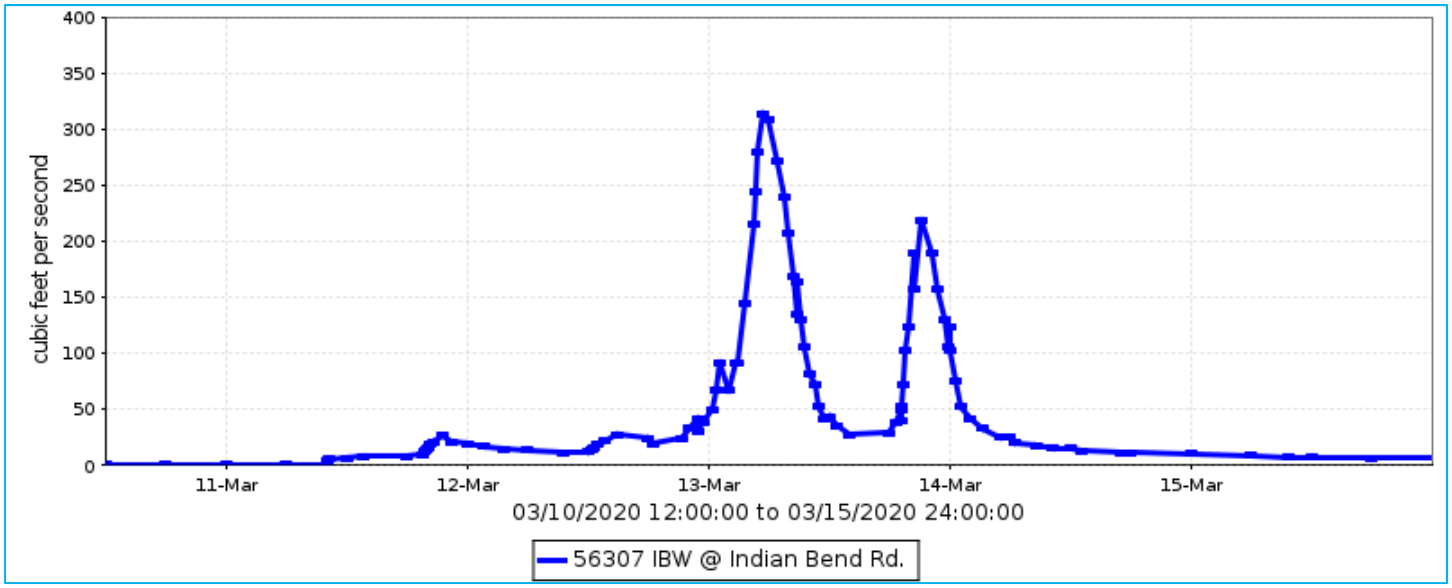




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	1.54	28
11/29/2019	1.84	49
12/25/2019	1.27	18
02/11/2020	1.42	22
02/22/2020	2.41	156
03/11/2020	1.46	26
03/13/2020	3.01	313
03/13/2020	2.66	219
03/19/2020	1.09	15

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
844	**2,290**	**4,040**	**6,590**	**11,700**	**17,500**

NOTE: These results are based on limited data.

Indian Bend Wash near Indian Bend Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			7	6		5						
2			6	5		5						
3			6	6		5						
4			6	6		4						
5			6	6		2						
6			6	6								
7			2	6	---							
8				5	---							
9			1	5	---							
10			5	5	1							
11			5	4	14	6						
12			6	4	10	19						
13			6	4	7	115						
14			5	1	7	22						
15			5		6	7						
16			5		6	6						
17			4		5	5						
18					5	5						
19					5	10						
20		4			5	7						
21		16			5	5						
22		9			38	5						
23		7		3	15	5						
24		6		5	7	4						
25		6	5	5	6	4						
26		6	10	4	6	2						
27		6	7	4	5							
28		6	7	2	6							
29		20	7	4	5							
30		12	6	2	---							
31		---	5		---		---		---			---
TOTAL	0	97	130	96	163	248	0	0	0	0	0	0
MEAN	0	3	4	3	6	8	0	0	0	0	0	0
MAX	0	49	18	6	156	313	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	193	258	190	324	492	0	0	0	0	0	0

WTR YR 2020 TOTAL 735 MEAN 2 MAX 313 MIN 0 AC_FT 1458

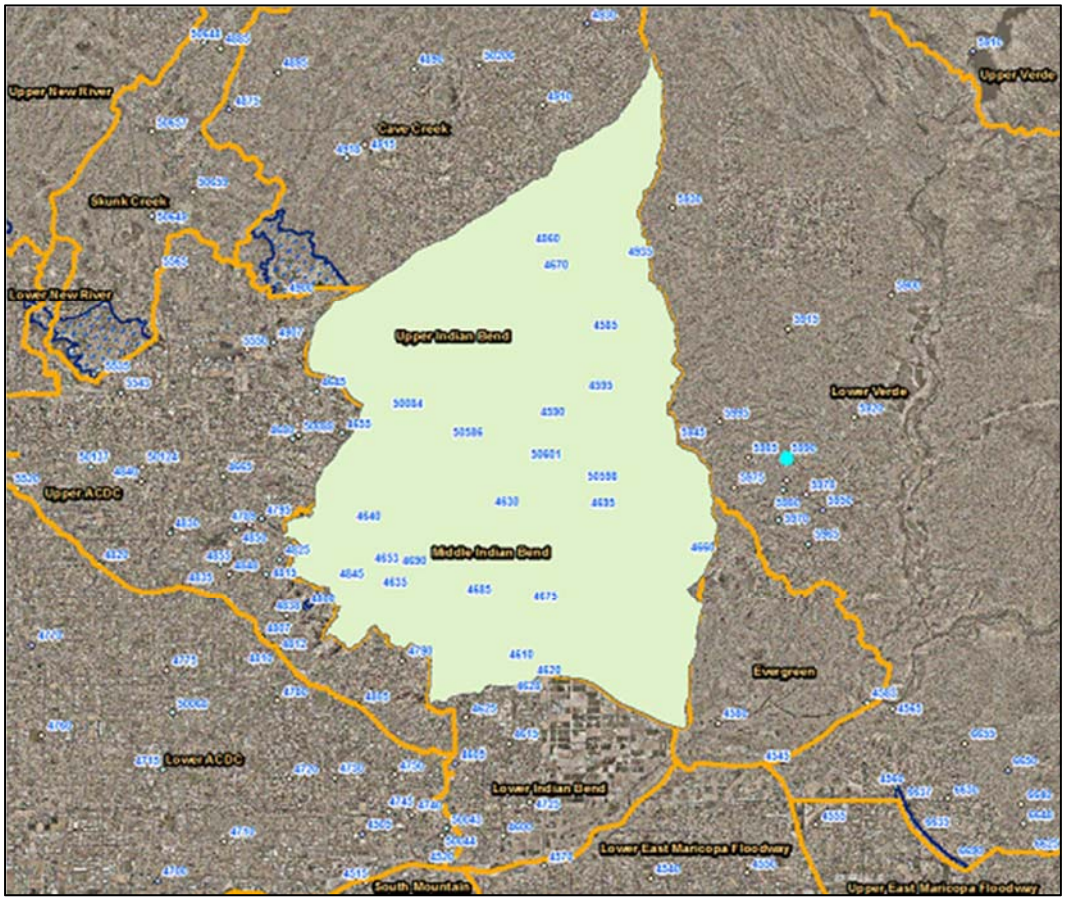
Indian Bend Wash at McDonald Drive – ID #57207

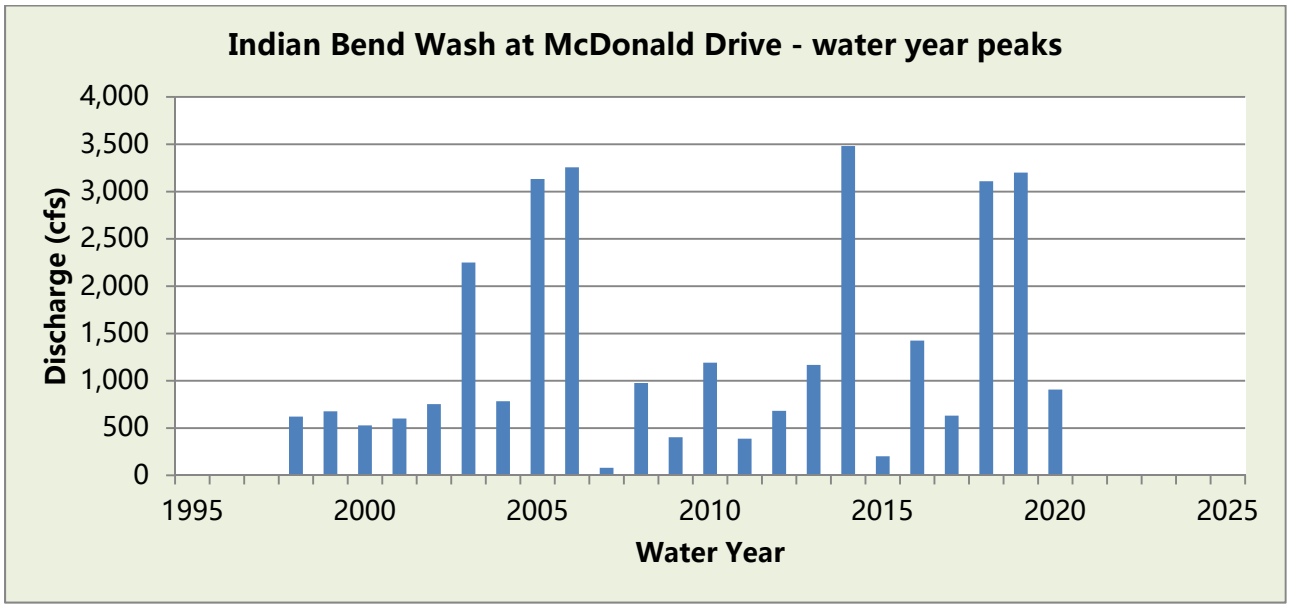


Site Data

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	22.85 Years | 8,347 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

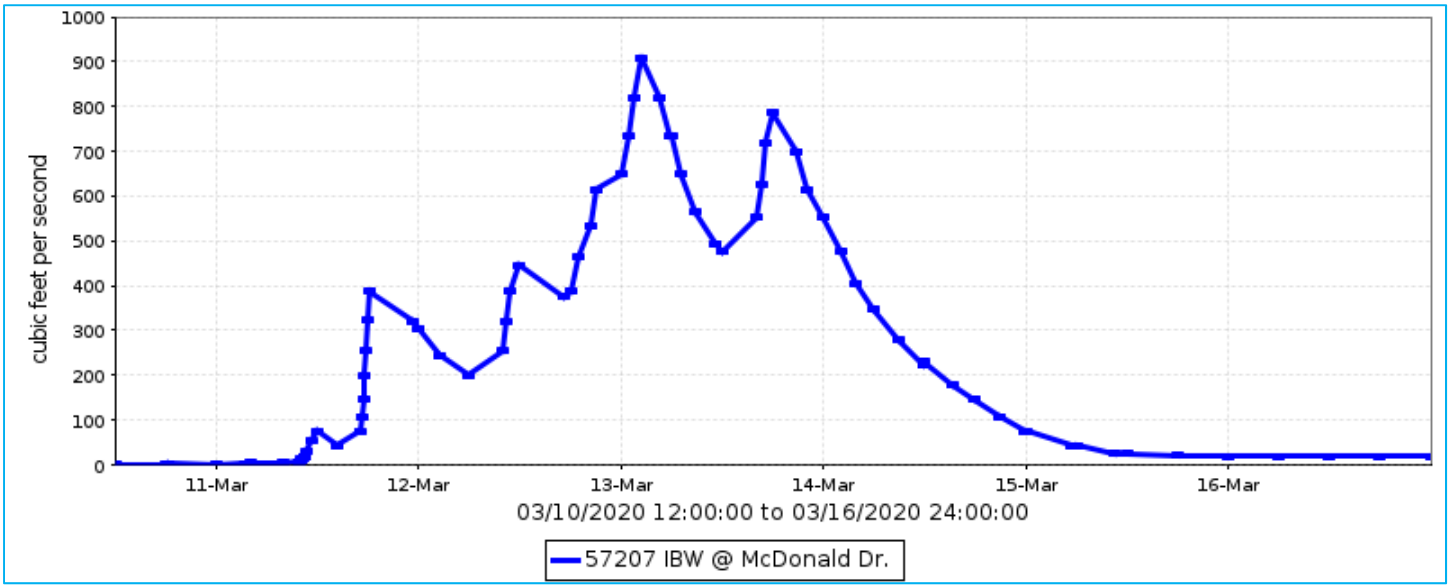




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/21/2019	0.61	475
11/29/2019	0.61	475
12/25/2019	0.31	305
02/10/2020	-0.14	114
02/11/2020	0.34	320
02/22/2020	0.81	594
03/11/2020	0.46	388
03/12/2020	0.56	445
03/13/2020	1.26	907
03/19/2020	0.19	244

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
959	**1,970**	**2,910**	**4,060**	**5,940**	**7,710**

NOTE: These results are based on limited data.

Indian Bend Wash at McDonald Drive, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			46									
2			20			8						
3			18	2		14						
4			17			12						
5			5			2						
6												
7					---							
8					---							
9					---							
10					31	1						
11					189	116						
12					81	371						
13					27	666						
14					31	280						
15						39						
16						19						
17						17						
18						16						
19						130						
20		8				25						
21		275				16						
22		97			306	15						
23		50			192	15						
24		21			24	14						
25		5	66			12						
26			130			2						
27		1	41									
28		12	31									
29		244	28									
30		144	17		---							
31		---			---		---		---			---
TOTAL	0	855	418	2	866	1790	0	0	0	0	0	0
MEAN	0	28	13	0	30	58	0	0	0	0	0	0
MAX	0	475	305	15	594	907	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1695	829	4	1717	3550	0	0	0	0	0	0

WTR YR 2020 TOTAL 3930 MEAN 11 MAX 907 MIN 0 AC_FT 7796

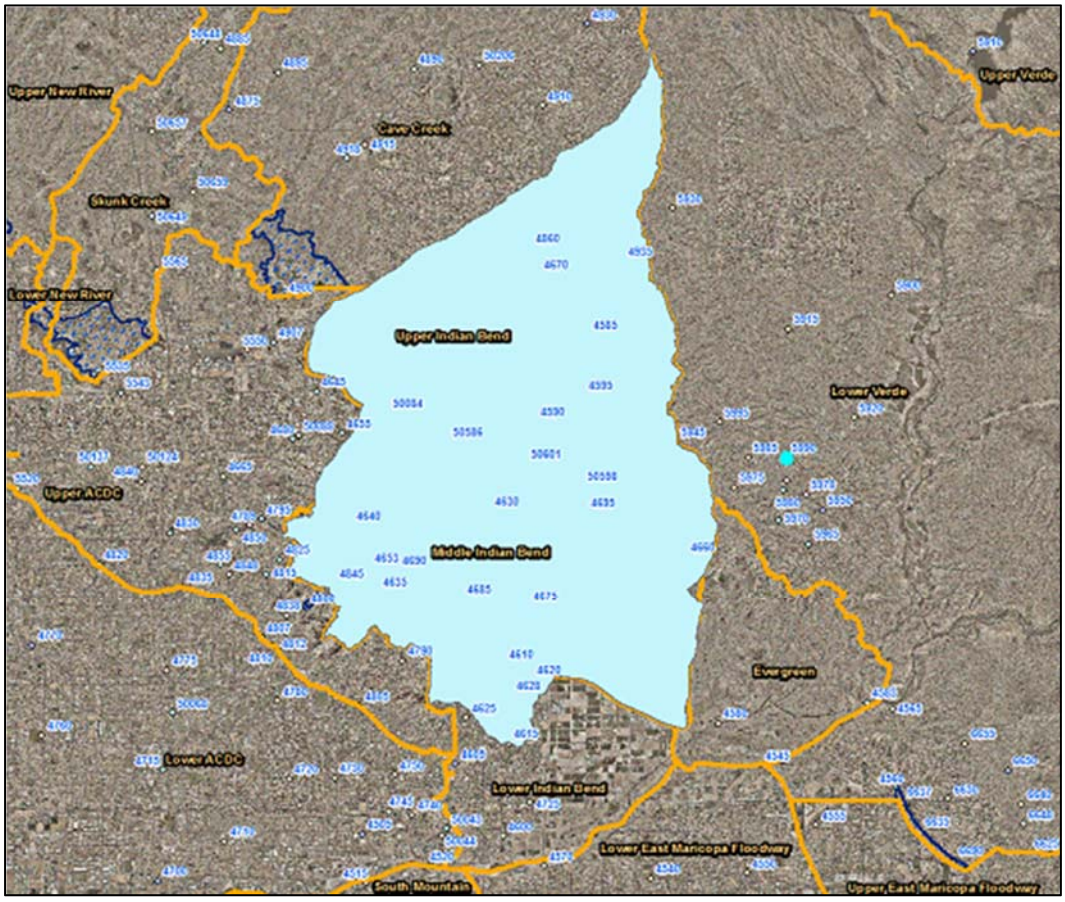
Indian Bend Wash at Indian School Road – ID #56507

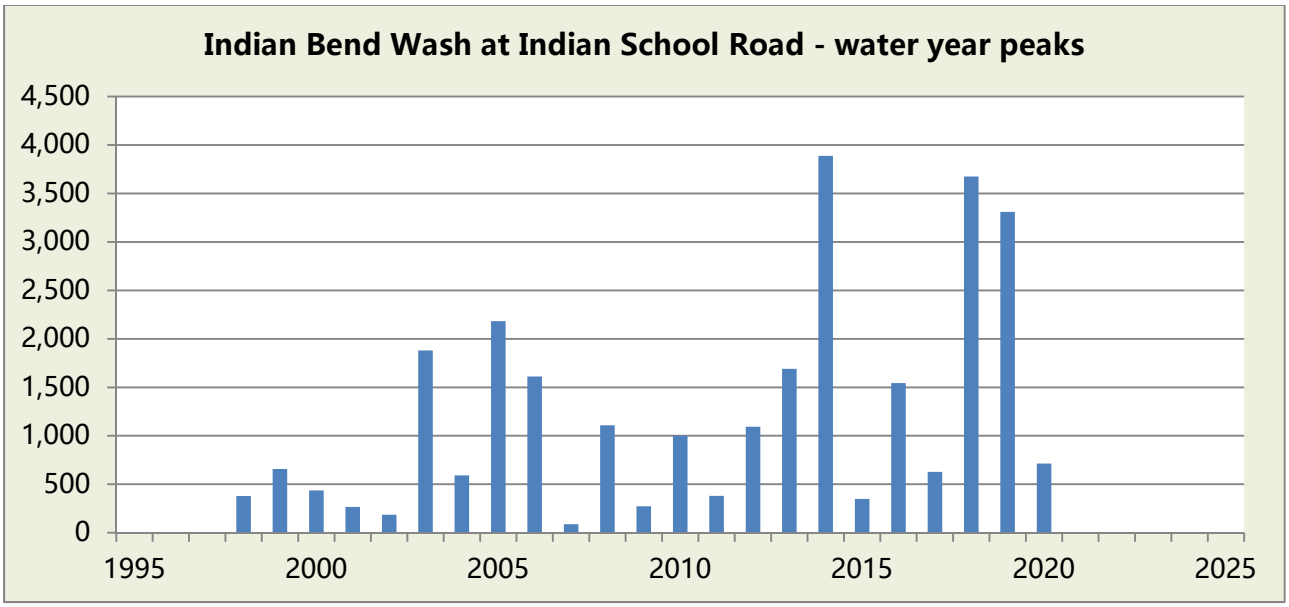


Site Data

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	22.85 Years | 8,346 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

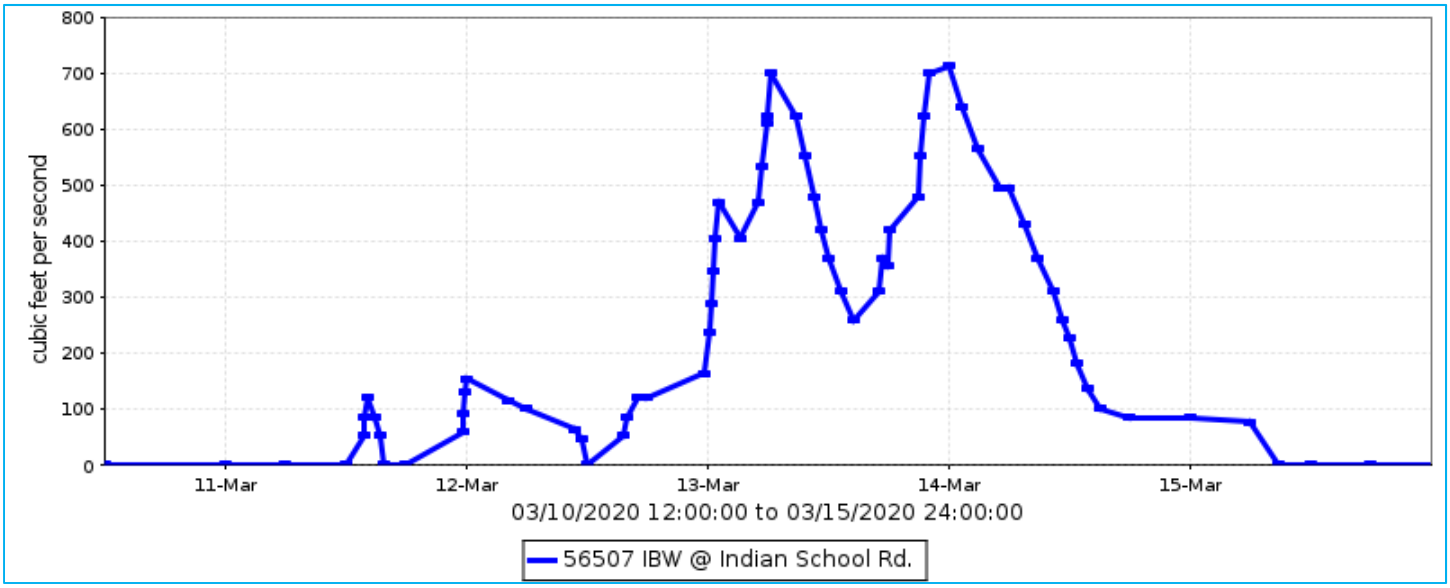




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/21/2019	1.69	346
11/29/2019	2.11	564
11/29/2019	1.99	495
12/26/2019	1.34	200
02/12/2020	1.36	207
02/22/2020	1.86	429
03/11/2020	1.11	120
03/12/2020	1.21	153
03/13/2020	2.34	700
03/14/2020	2.36	713
03/19/2020	1.29	181

Hydrograph of peak WY 2020 flow event, 03/14/2020



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**
834	**1,900**	**2,870**	**3,980**	**5,690**	**7,180**

NOTE: These results are based on limited data.

Indian Bend Wash at Indian School Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					67	9						
12					83	98						
13						467						
14						306						
15						30						
16												
17												
18						4						
19						92						
20						34						
21		181										
22		40			174							
23					162							
24												
25												
26			64									
27												
28												
29		294										
30		174			---							
31		---			---		---		---			---
TOTAL	0	689	65	0	486	1040	0	0	0	0	0	0
MEAN	0	23	2	0	17	34	0	0	0	0	0	0
MAX	0	564	200	0	429	713	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1367	128	0	964	2063	0	0	0	0	0	0

WTR YR 2020 TOTAL 2280 MEAN 6 MAX 713 MIN 0 AC_FT 4522

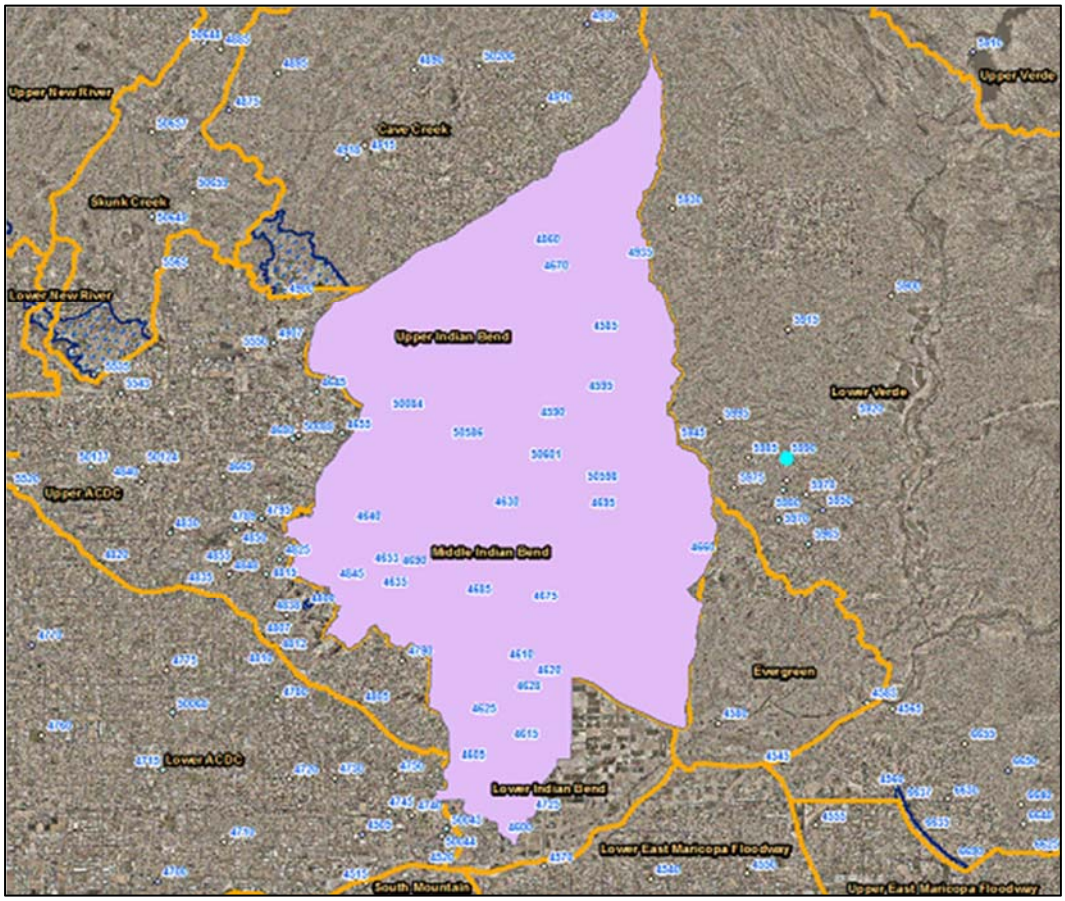
Indian Bend Wash near McKellips Road, ID #55707

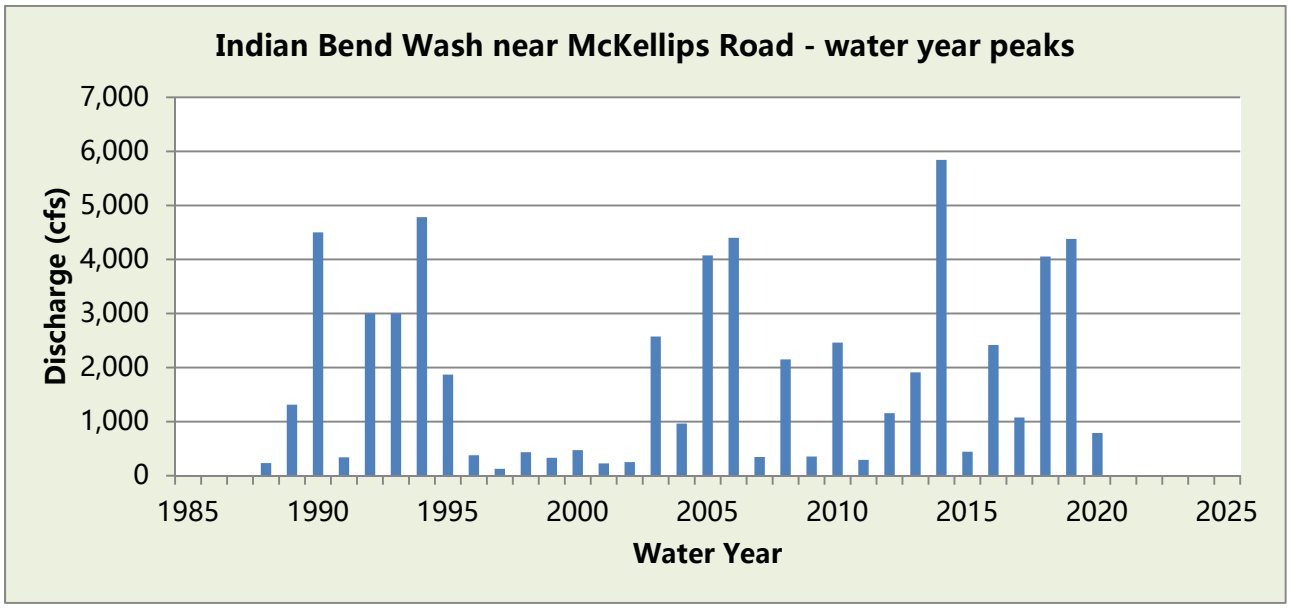


Site Data

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	32.89 Years | 12,014 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

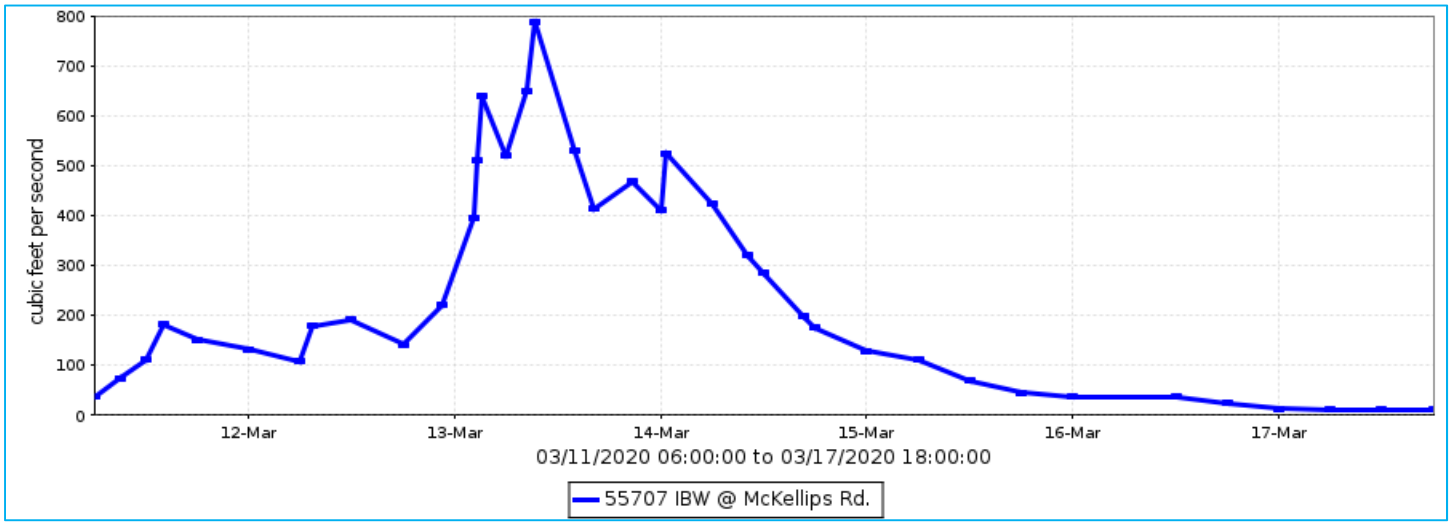




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/21/2019	0.96	112
11/29/2019	0.77	69
12/27/2019	0.85	86
02/11/2020	1.22	187
02/23/2020	1.99	490
03/11/2020	1.20	180
03/12/2020	1.23	190
03/13/2020	2.28	638
03/13/2020	2.55	789
03/20/2020	0.73	61
07/24/2020	0.80	75

Hydrograph of peak WY 2020 flow event, 03/13/2020



Flood Flow Frequency

Flood Flow Frequency N=33, HEC-WRC computation (based on 33 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,110	**2,860**	**4,640**	**6,860**	**10,600**	**14,100**

NOTE: These results are based on limited data.

Indian Bend Wash near McKellips Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	---	1			16	10					
2	21		1		1	15	9					
3	23		1		5	13	9					
4	23		1		4	13	15					
5	24		1		5	25	32					
6	18		1		5	32	31					
7	18		1		---	31	29					
8	18		1		---	30	26					
9	17		1		---	31	75					
10	---		1		5	30	69					
11	---		1		39	99	72					
12	---		1		132	160	63					
13	---		1		50	533	52					
14	---		1		35	335	51					
15	---		1		16	87	79					
16	---		1		15	32	70					
17	---		1		14	10	78					
18	---		1		14	14	76					
19	---		1		14	28	73					
20	---	15	1		14	48	41					
21	---	66	1		14	29	5					
22	---	57	1		142	12	3					
23	9	18	1		285	15	14					
24	9	9	1		91	14	17			9		
25	10	8	5		49	12	17			23		
26	10	7	25		38	11	17			19		
27	10	8	36		22	11	16			4		
28	10	9	26		18	10	14					
29	---	6	19		17	10						
30		2	37		---	10						
31	---	---	8		---	9	---		---			---
TOTAL	478	204	174	0	1058	1727	1062	0	0	62	0	0
MEAN	15	7	6	0	36	56	35	0	0	2	0	0
MAX	27	112	86	0	490	789	162	0	0	75	0	0
MIN	0	0	0	0	0	8	0	0	0	0	0	0
AC_FT	947	404	346	0	2098	3425	2106	0	0	122	0	0

WTR YR 2020 TOTAL 4764 MEAN 13 MAX 789 MIN 0 AC_FT 9448

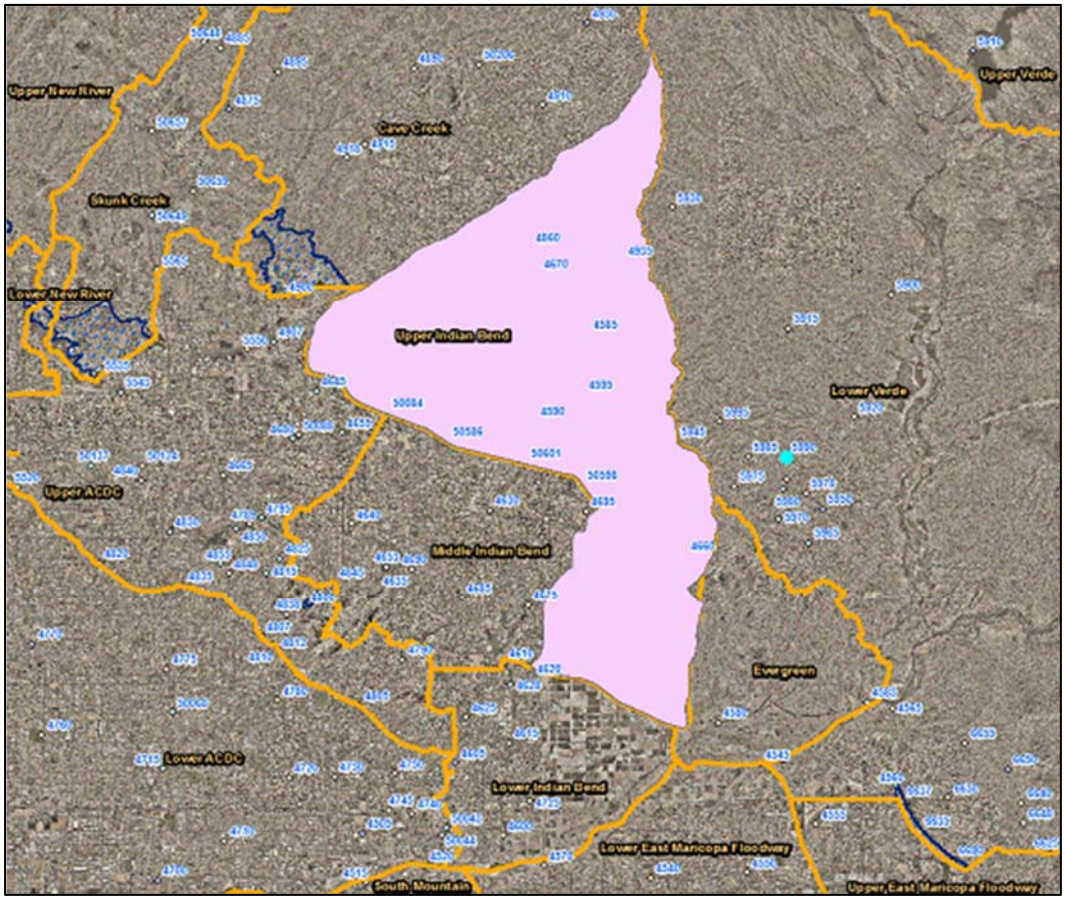
Indian Bend Wash Interceptor Channel – ID #56807

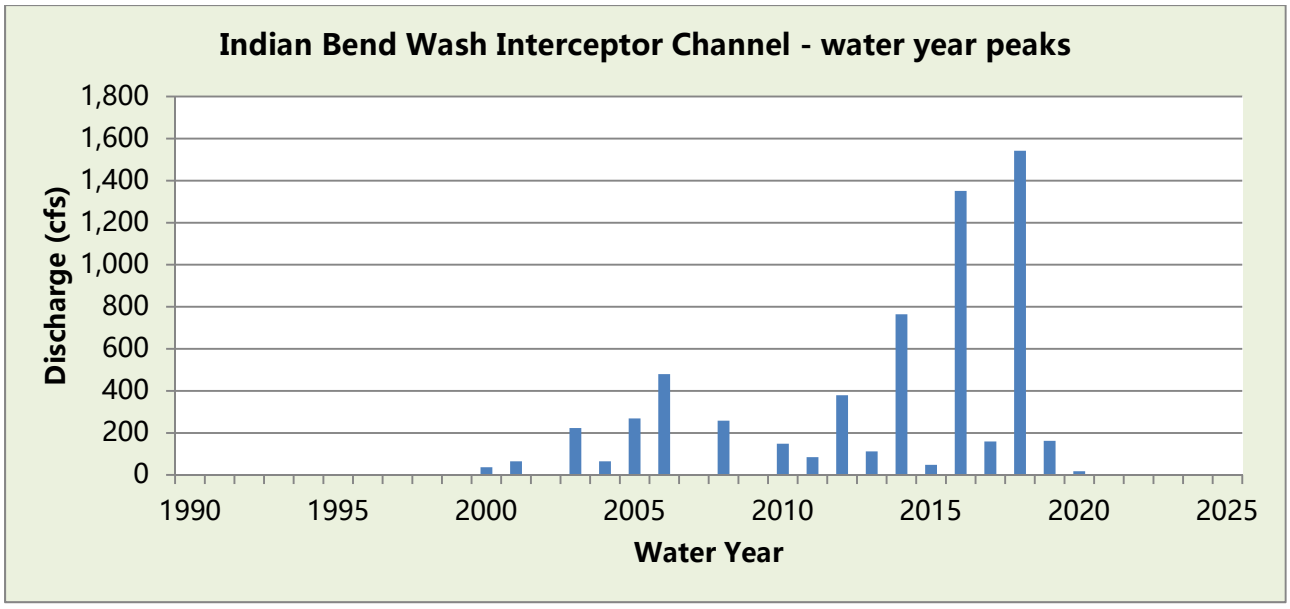


Site Data

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	26.45 Years | 9,660 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

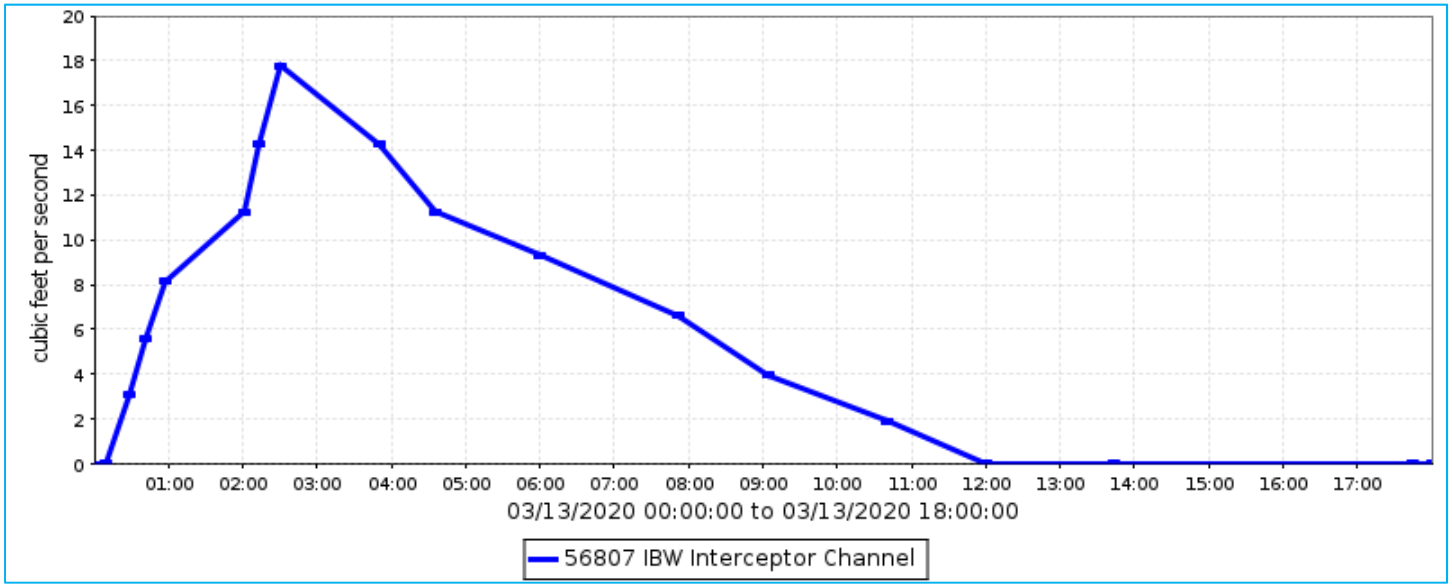




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
02/11/2020	0.23	3
02/22/2020	0.56	10
03/13/2020	0.86	18

Hydrograph of peak WY 2020 flow event, 03/13/2020



Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
55	**299**	**697**	**1,380**	**2,890**	**4,690**

NOTE: These results are based on limited data.

Indian Bend Wash Interceptor Channel, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					1							
12												
13						4						
14												
15												
16												
17												
18												
19												
20												
21												
22					3							
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	3	4	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	10	18	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	7	8	0	0	0	0	0	0

WTR YR 2020 TOTAL 8 MEAN 0 MAX 18 MIN 0 AC_FT 15

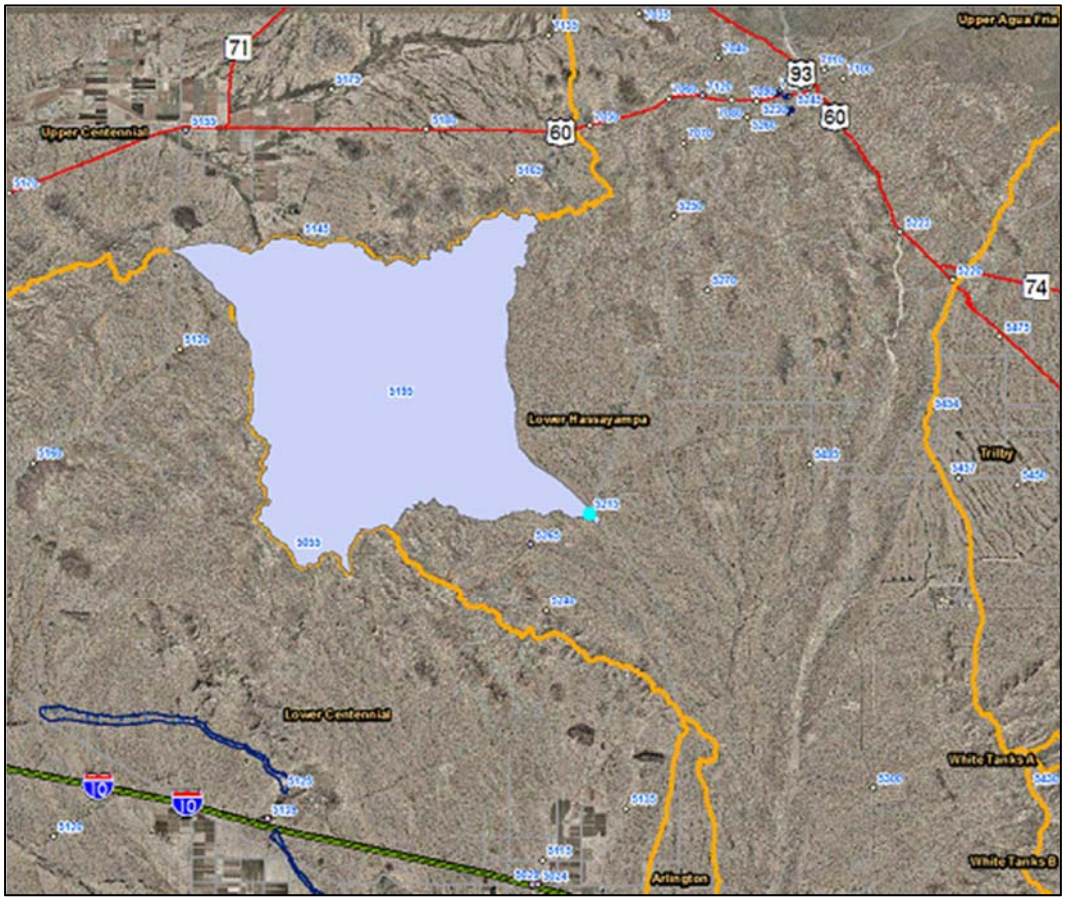
Jackrabbit Wash, ID #45007

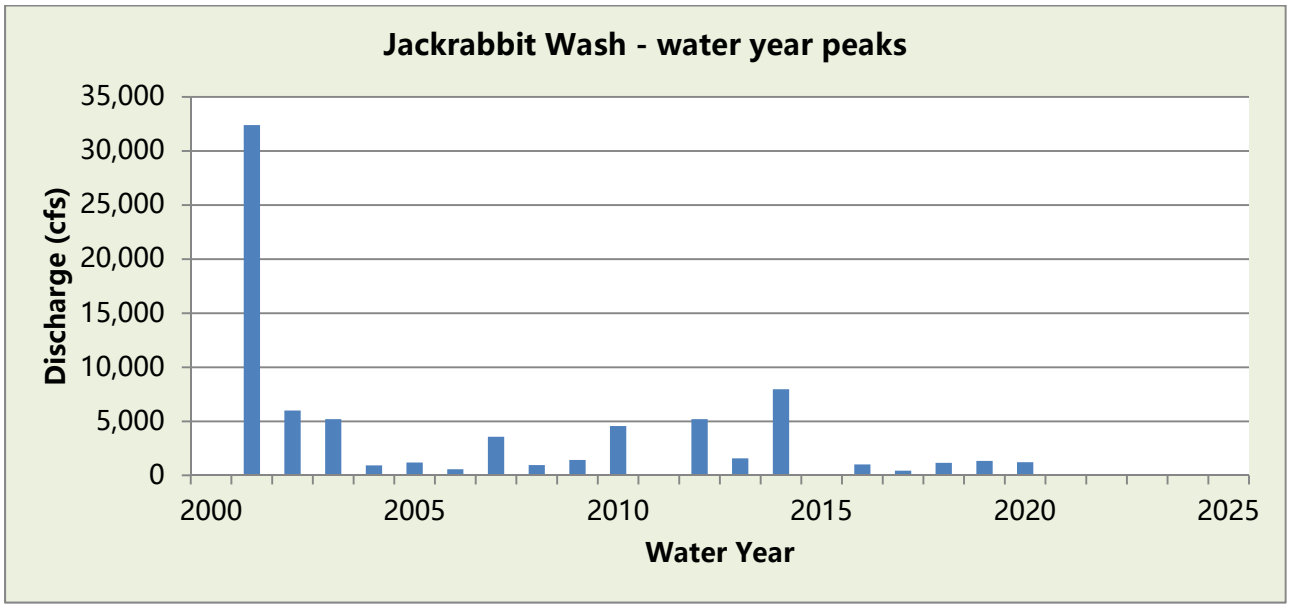


Site Data

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	19.92 Years | 7,275 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

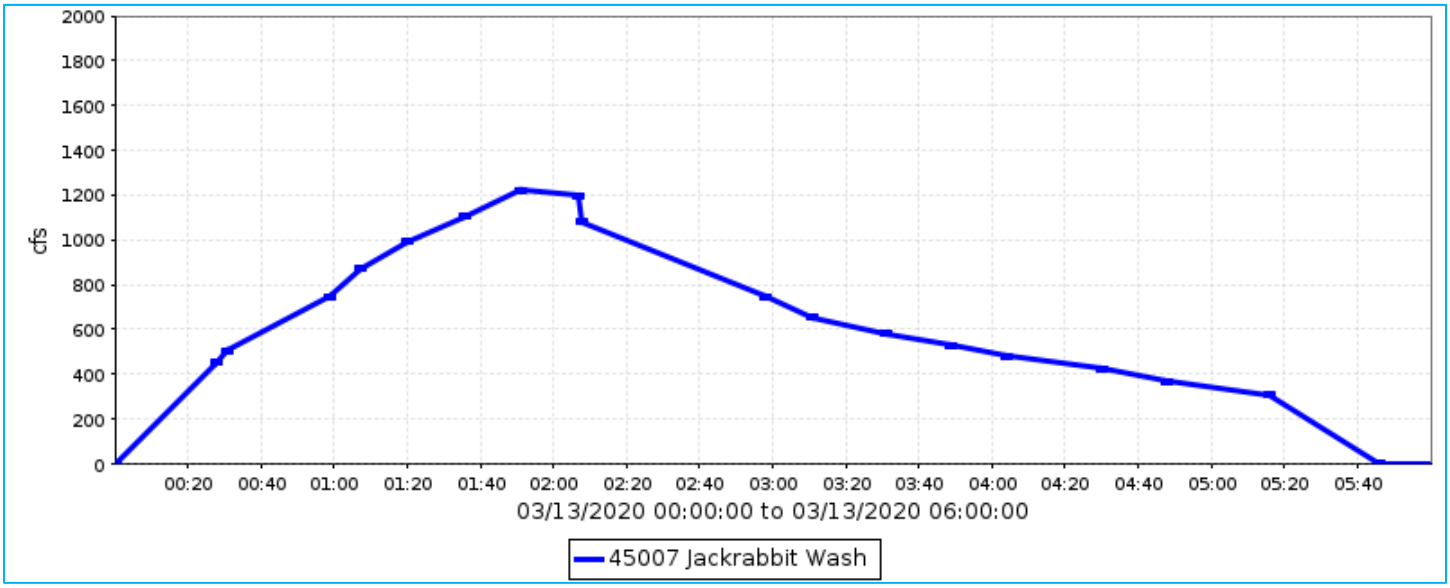




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	3.14	822
03/13/2020	3.51	1,222
03/13/2020	2.41	337
03/13/2020	2.41	337
08/16/2020	2.33	288
08/30/2020	3.10	784

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
1,120	**4,620**	**8,620**	**13,600**	**21,500**	**28,300**

NOTE: These results are based on limited data.

Jackrabbit Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						157						
14												
15												
16											9	
17												
18												
19												
20												
21												
22												
23												
24											---	
25											---	
26												
27												
28												
29		63										
30					---						41	
31		---			---		---		---			---
TOTAL	0	63	0	0	0	157	0	0	0	0	50	0
MEAN	0	2	0	0	0	5	0	0	0	0	2	0
MAX	0	822	0	0	0	1222	0	0	0	0	784	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	125	0	0	0	311	0	0	0	0	99	0

WTR YR 2020 TOTAL 270 MEAN 1 MAX 1222 MIN 0 AC_FT 535

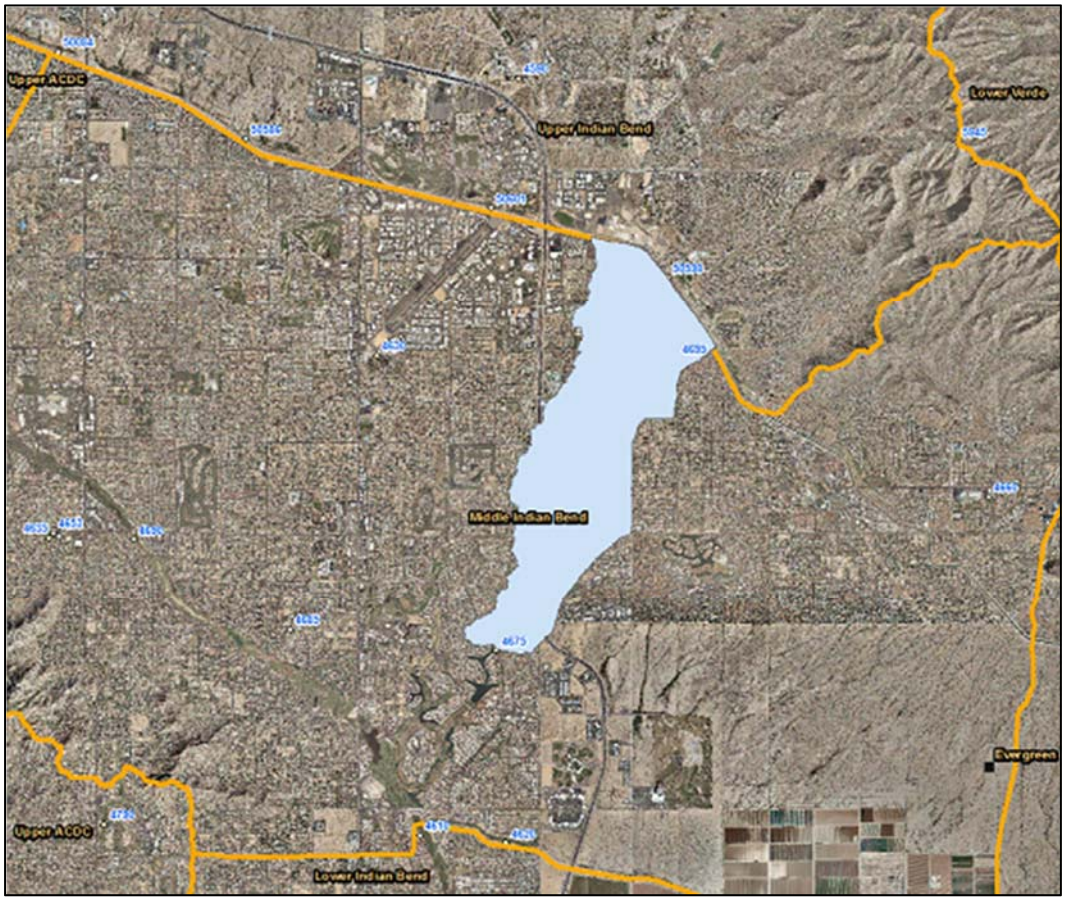
Lake Margherite – ID #59007

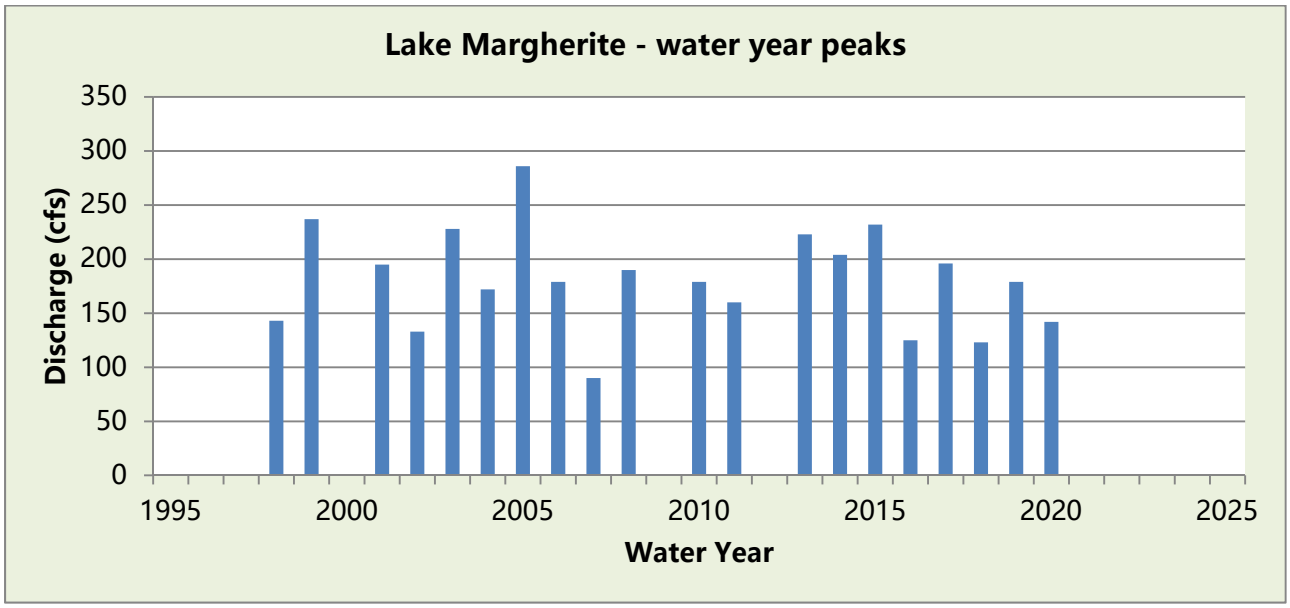


Site Data

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	22.85 Years | 8,347 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

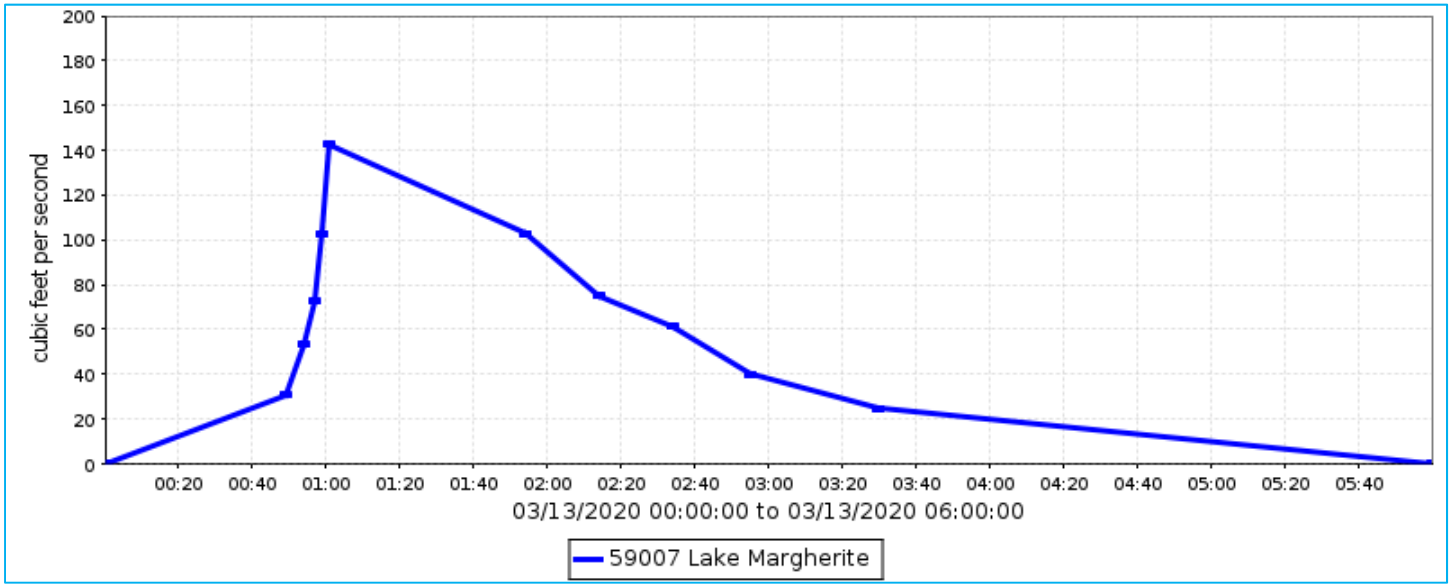




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	1.17	67
11/29/2019	1.19	69
03/13/2020	1.49	142

Hydrograph of peak WY 2020 flow event, 03/13/2020



Flood Flow Frequency

Unavailable at this time.

Lake Margherite, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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							5					
11												
12												
13						13						
14												
15												
16												
17												
18												
19												
20		3										
21												
22												
23												
24												
25												
26												
27												
28												
29		5										
30					---							
31		---			---		---		---			---
TOTAL	0	9	0	0	0	13	5	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	69	0	0	0	142	20	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	18	0	0	0	25	10	0	0	0	0	0

WTR YR 2020 TOTAL 26 MEAN 0 MAX 142 MIN 0 AC_FT 52

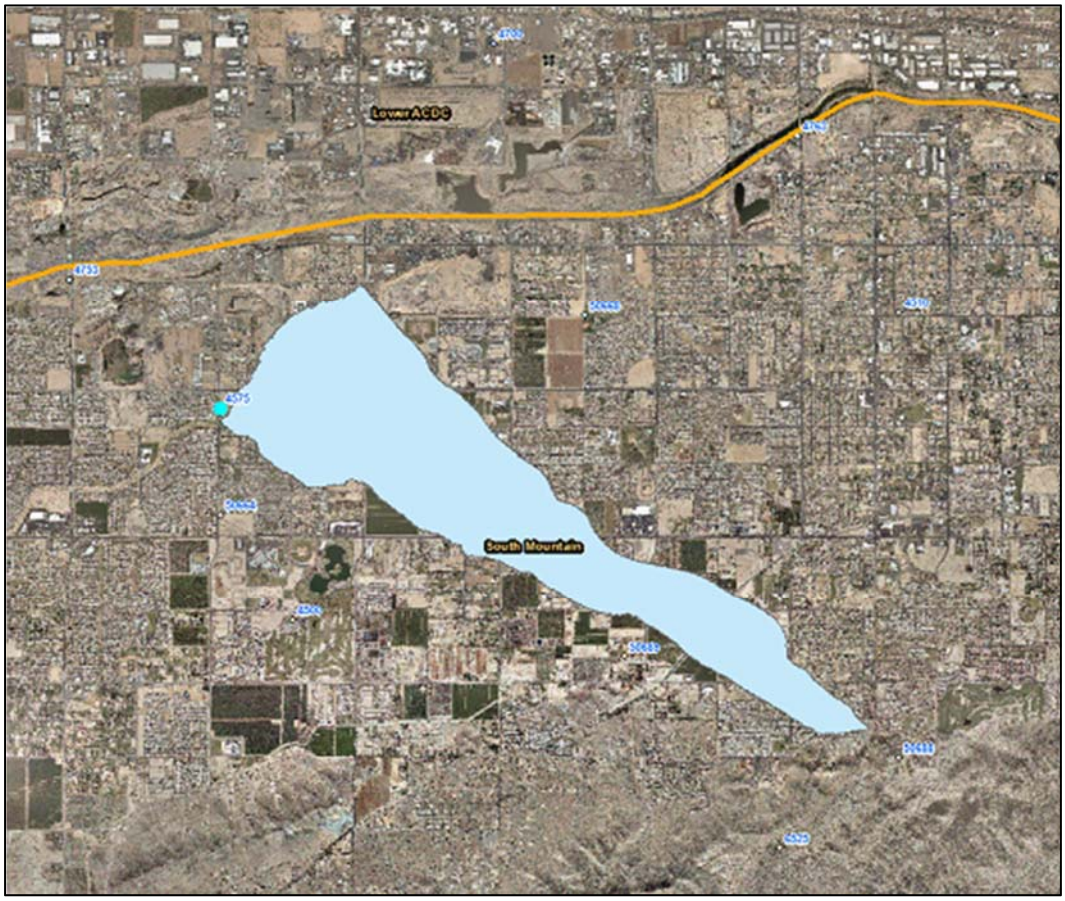
Laveen Basin, ID #67807

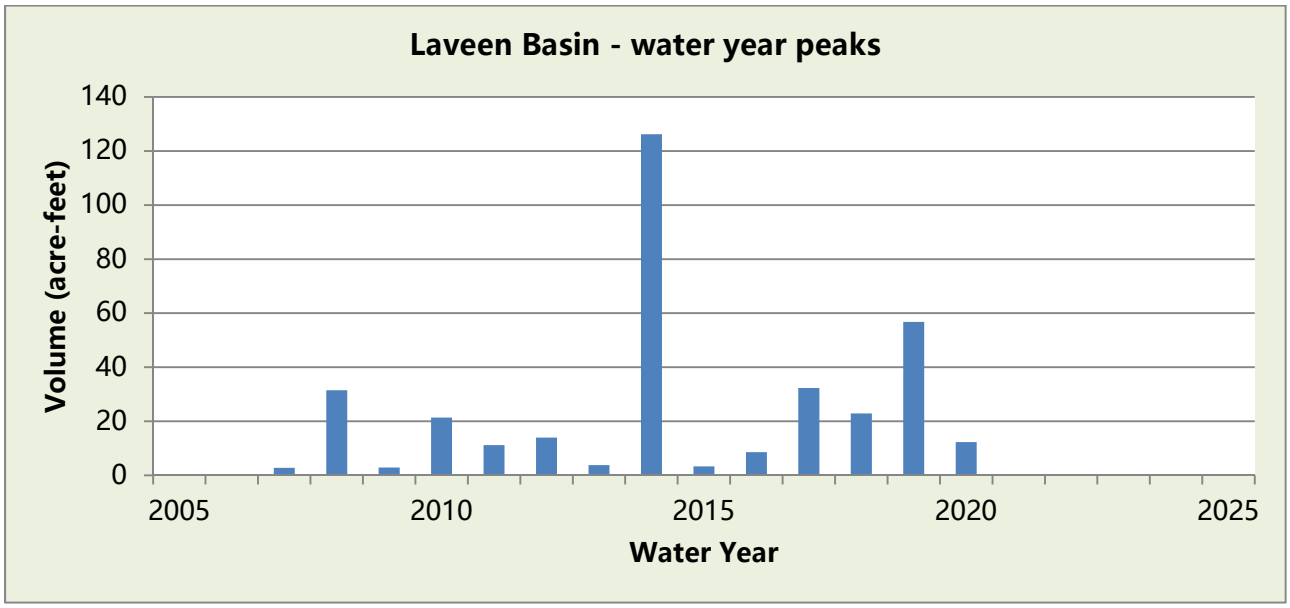


Site Data

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	13.90 Years | 5,077 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

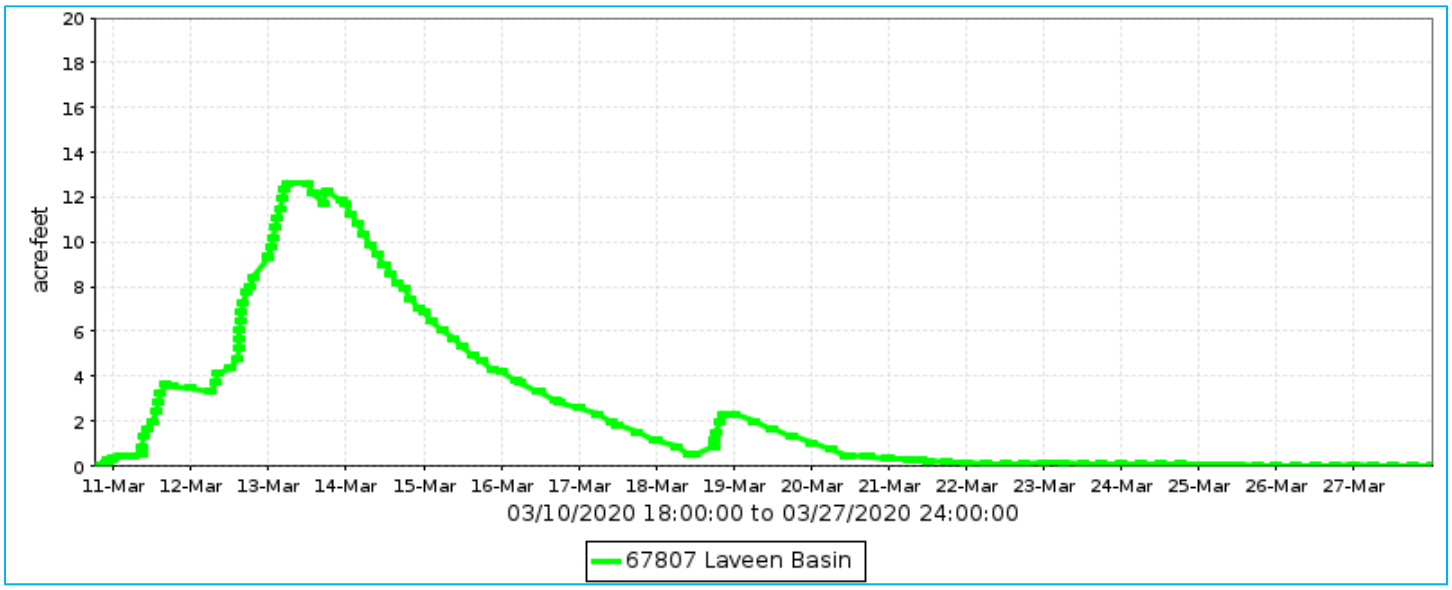




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/21/2019	3.31	5.4	4.3
11/29/2019	4.23	8.5	6.7
12/25/2019	1.69	0.4	0.4
01/21/2020	1.17	0.2	0.2
02/11/2020	2.26	2.0	1.6
02/22/2020	4.26	8.6	6.8
03/13/2020	5.33	12.3	9.7

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Laveen Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			9									
2			7									
3			2									
4												
5												
6												
7												
8												
9												
10												
11					7	6						
12					7	10						
13					6	12						
14					4	12						
15					1	11						
16						9						
17						7						
18						6						
19						7						
20		4				4						
21		9										
22		10			8							
23		8			12							
24		7			11							
25		6	1		10							
26		5	1		9							
27		1	2		8							
28			1		7							
29		10			3							
30		11			---							
31		---			---		---		---			---
TOTAL	0	71	24	0	93	85	0	0	0	0	0	0
MEAN	0	2	1	0	3	3	0	0	0	0	0	0
MAX	0	12	10	0	12	12	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	141	48	0	184	169	0	0	0	0	0	0

WTR YR 2020 TOTAL 273 MEAN 1 MAX 12 MIN 0 AC_FT 542

Laveen Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 0 MAX 13 MIN 0

Laveen Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	0.2	2.8	1.0	0.6	1.4	0.7	0.2	0.2	0.2	0.2	0.2
2	0.8	0.2	2.1	0.9	0.6	1.2	0.7	0.2	0.2	0.2	0.2	0.2
3	0.8	0.2	1.6	0.9	0.6	1.1	0.7	0.2	0.2	0.2	0.2	0.2
4	0.7	0.2	1.4	0.8	0.6	1.1	0.8	0.2	0.2	0.2	0.2	0.2
5	0.7	0.2	1.2	0.7	0.5	1.0	0.8	0.2	0.2	0.2	0.2	0.2
6	0.7	0.2	1.2	0.7	0.5	1.0	0.7	0.2	0.2	0.2	0.2	0.2
7	0.6	0.2	1.1	0.7	0.5	1.0	0.7	0.2	0.2	0.2	0.2	0.2
8	0.6	0.2	1.4	0.6	0.5	0.9	0.7	0.2	0.2	0.2	0.2	0.2
9	0.5	0.2	1.2	0.6	0.5	0.9	0.7	0.2	0.2	0.2	0.2	0.2
10	0.5	0.2	0.4	0.5	0.4	0.8	0.7	0.2	0.2	0.2	0.2	0.2
11	0.4	0.2	0.2	0.5	2.0	2.2	0.7	0.2	0.2	0.2	0.2	0.2
12	0.3	0.2	0.2	0.5	2.1	3.3	0.7	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.5	1.9	5.3	0.7	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.4	1.8	4.4	0.7	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.4	1.6	3.3	0.7	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.4	1.5	2.7	0.6	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.4	1.3	2.3	0.6	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.3	1.2	2.0	0.7	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	1.1	2.2	0.7	0.2	0.2	0.2	0.2	0.2
20	0.2	1.4	0.2	0.2	1.0	1.8	0.6	0.2	0.2	0.2	0.2	0.2
21	0.2	2.6	0.2	0.9	1.0	1.3	0.6	0.2	0.2	0.2	0.2	0.2
22	0.2	3.0	0.2	1.1	2.9	1.0	0.6	0.2	0.2	0.2	0.2	0.2
23	0.2	2.5	0.2	1.0	3.9	1.0	0.6	0.2	0.2	0.2	0.2	0.2
24	0.2	2.2	0.5	0.9	3.4	1.0	0.5	0.2	0.2	0.2	0.2	0.2
25	0.2	1.9	1.2	0.9	3.0	0.9	0.5	0.2	0.2	0.2	0.2	0.2
26	0.2	1.8	1.6	0.8	2.7	0.8	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	1.6	1.6	0.8	2.4	0.8	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	1.3	1.6	0.8	2.0	0.8	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	3.4	1.4	0.7	1.7	0.8	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	3.6	1.2	0.7	---	0.8	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	1.1	0.7	---	0.7	---	0.2	---	0.2	0.2	---
MEAN	0.4	1.0	0.9	0.7	1.5	1.6	0.6	0.2	0.2	0.2	0.2	0.2
MAX	1.0	4.2	3.0	1.2	4.3	5.4	0.8	0.2	0.2	0.2	0.2	0.2
MIN	0.2	0.2	0.2	0.2	0.4	0.7	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2020 MEAN 0.63 MAX 5.43 MIN 0.20

Magma FRS, ID #42307

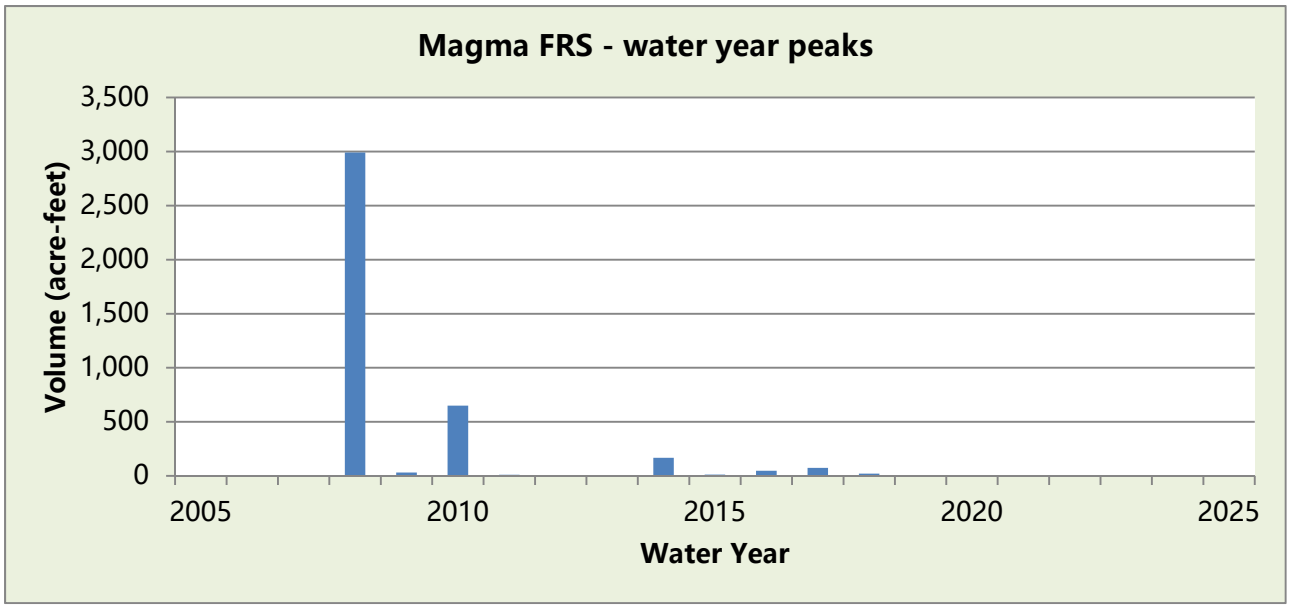


Site Data

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	12.88 Years | 4,704 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

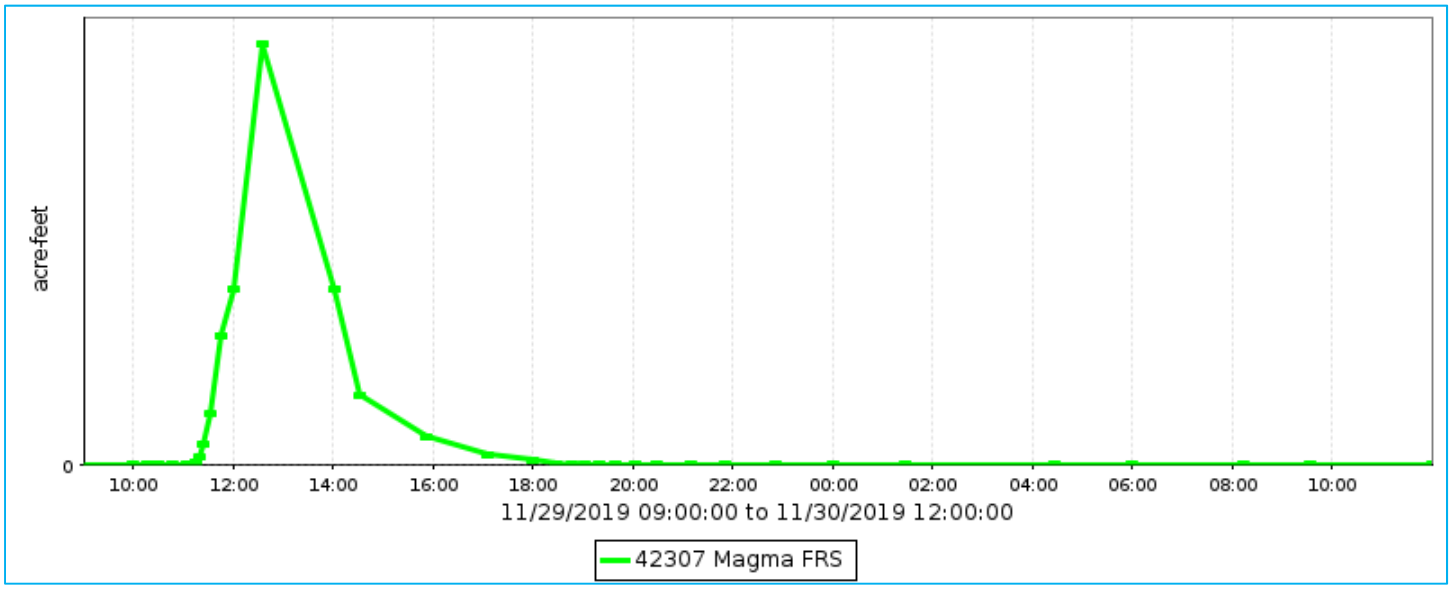




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	2.99	0.1	0.1

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Magma FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		4										
30					---							
31		---			---		---		---			---
TOTAL	0	4	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	16	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	8	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 4 MEAN 0 MAX 16 MIN 0 AC_FT 8

Magma FRS, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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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 2020 MEAN 0 MAX 0 MIN 0

Magma FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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
8	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	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	0.1	0.1
29	0.1	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.3	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	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	0.1	3.0	0.1	0.1	0.1	0.1	0.1	0.1	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 2020 MEAN 0.15 MAX 2.99 MIN 0.15

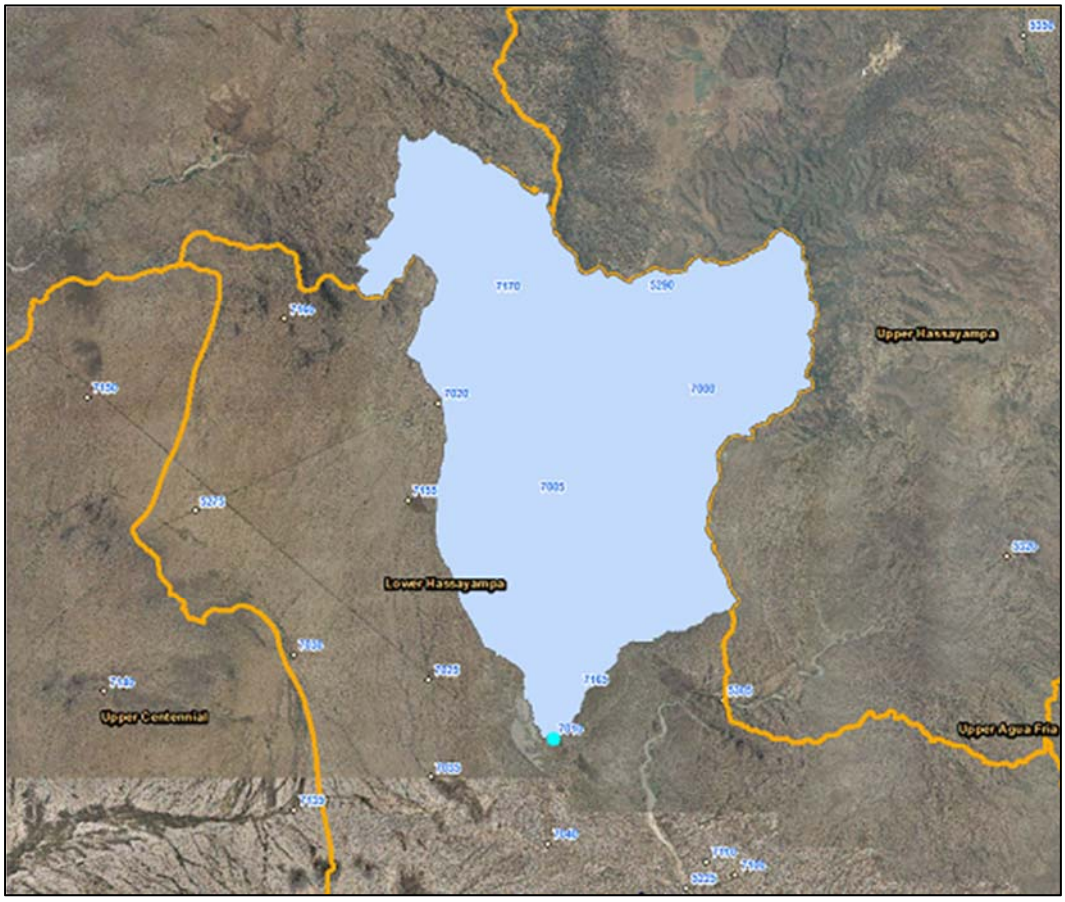
Martinez Creek, ID #49507

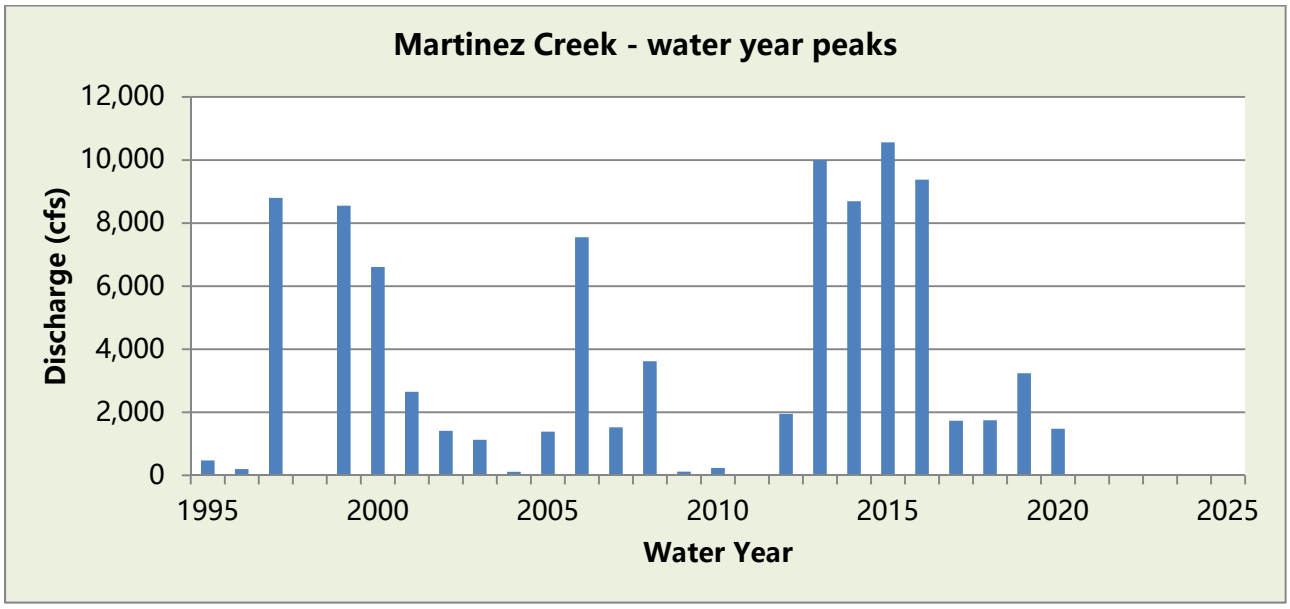


Site Data

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	25.86 Years | 9,444 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

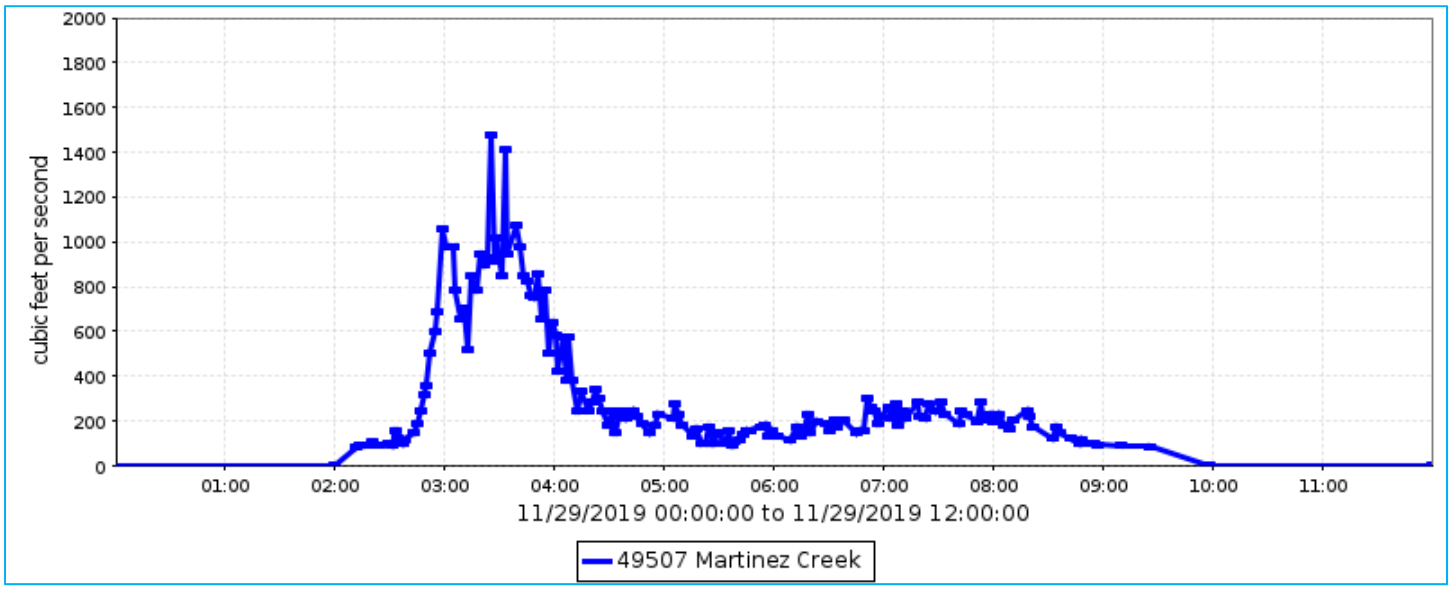




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	5.97	1,479
03/13/2020	3.65	146
03/14/2020	3.10	88
03/19/2020	3.15	90

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
1,960	**6,130**	**10,200**	**14,800**	**21,500**	**26,900**

NOTE: These results are based on limited data.

Martinez Creek, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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	---					15						
14						4						
15												
16												
17												
18												
19						13						
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		89										
30					---							
31		---			---		---		---			---
TOTAL	0	89	0	0	0	32	0	0	0	0	0	0
MEAN	0	3	0	0	0	1	0	0	0	0	0	0
MAX	0	1479	0	0	0	146	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	177	0	0	0	64	0	0	0	0	0	0

WTR YR 2020 TOTAL 122 MEAN 0 MAX 1479 MIN 0 AC_FT 242

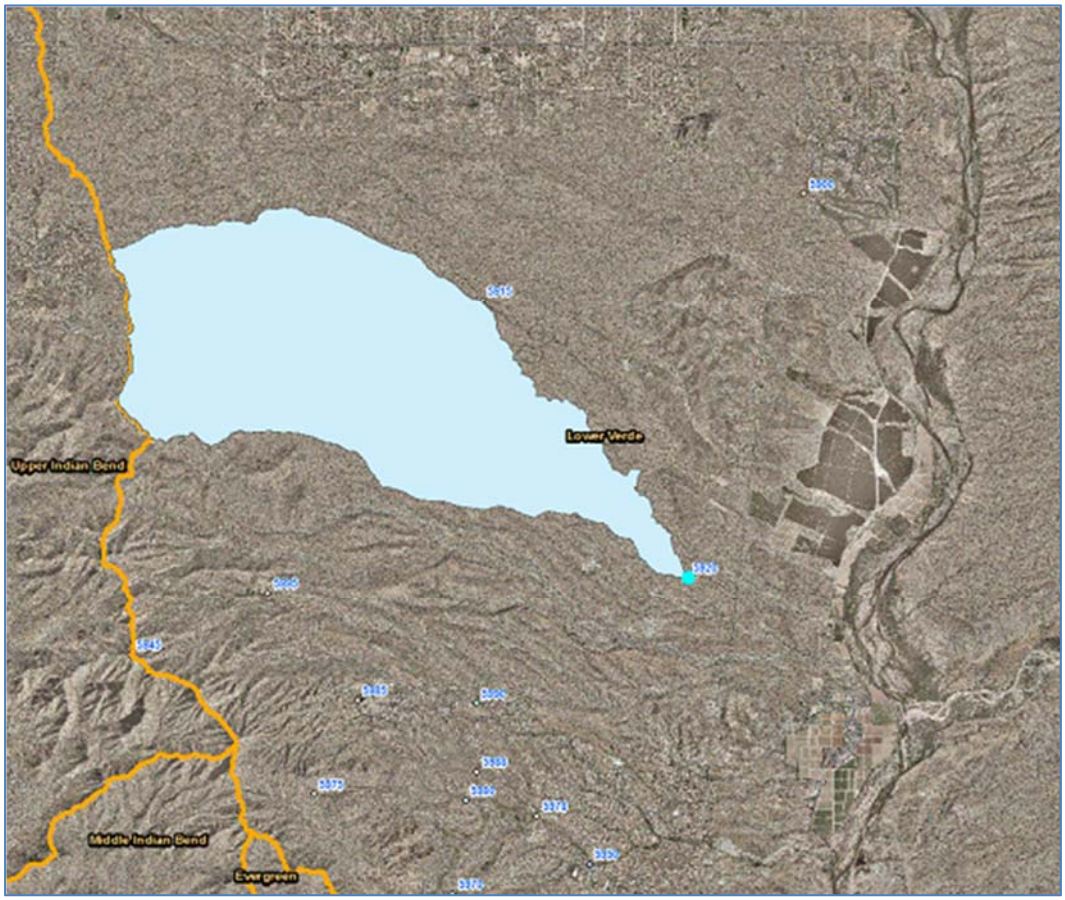
McDowell Mountain Road, ID #76007

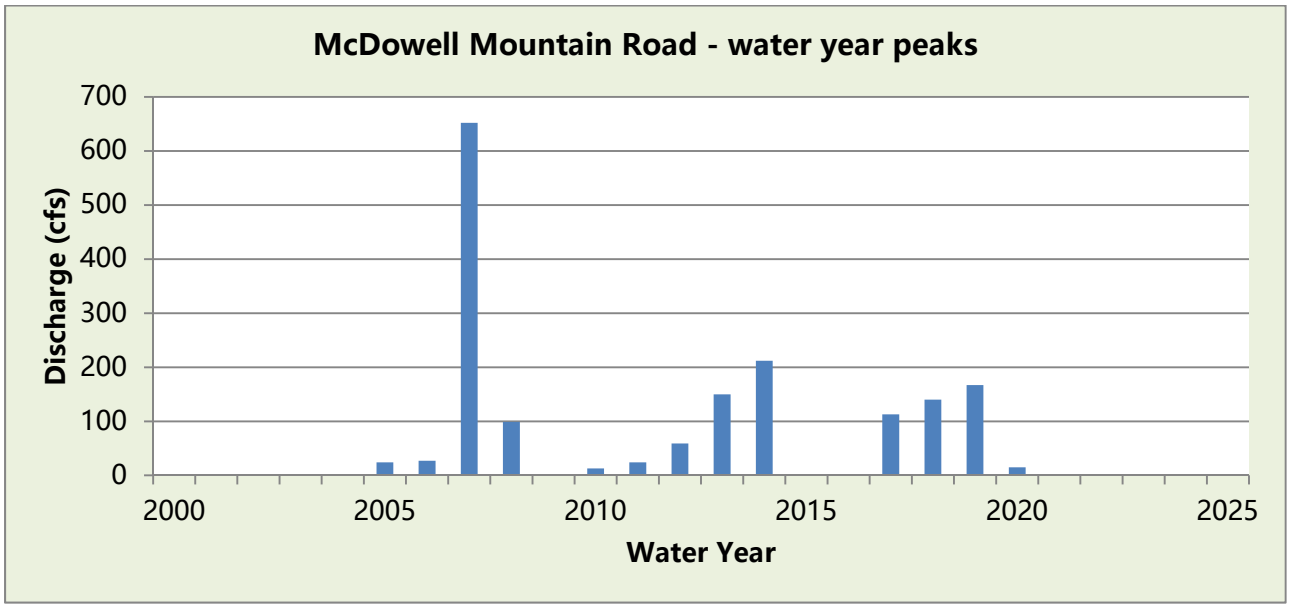


Site Data

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	16.37 Years | 5,980 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

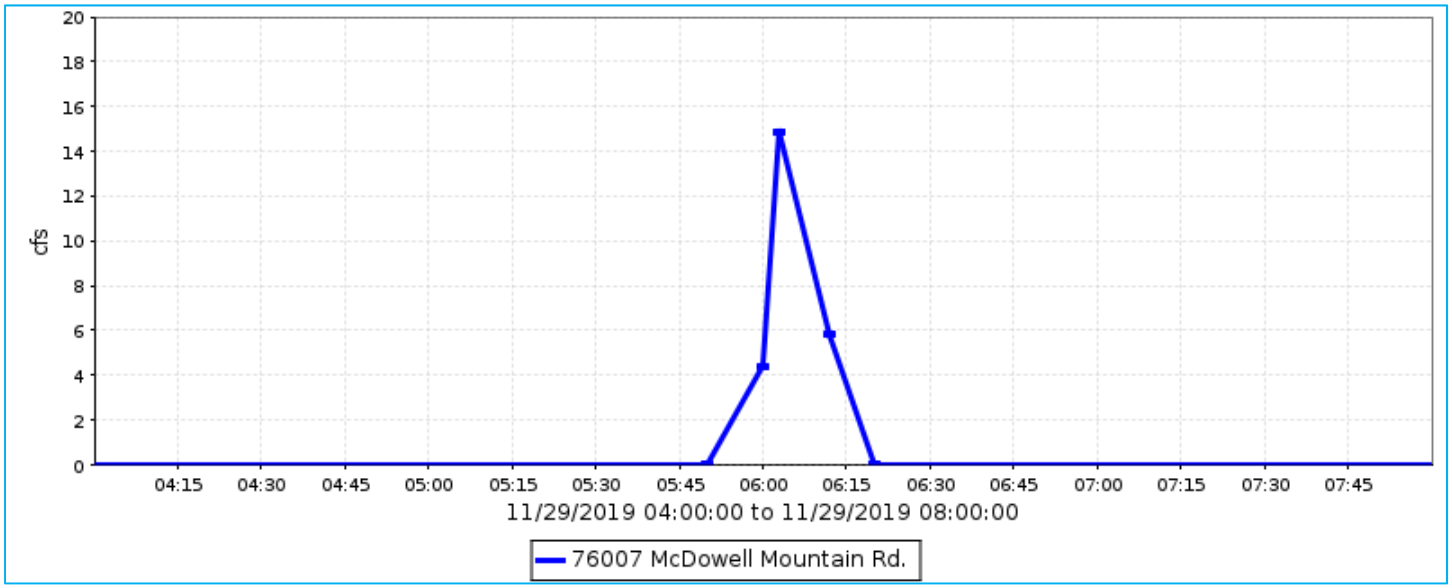




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	0.22	15

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
43	**142**	**262**	**432**	**752**	**1,080**

NOTE: These results are based on very limited data.

McDowell Mountain Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
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10												
11												
12												
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18												
19												
20												
21												2
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	1	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	15	0	0	0	0	0	0	0	0	0	349
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	2	0	0	0	0	0	0	0	0	0	4

WTR YR 2020 TOTAL 3 MEAN 0 MAX 349 MIN 0 AC_FT 5

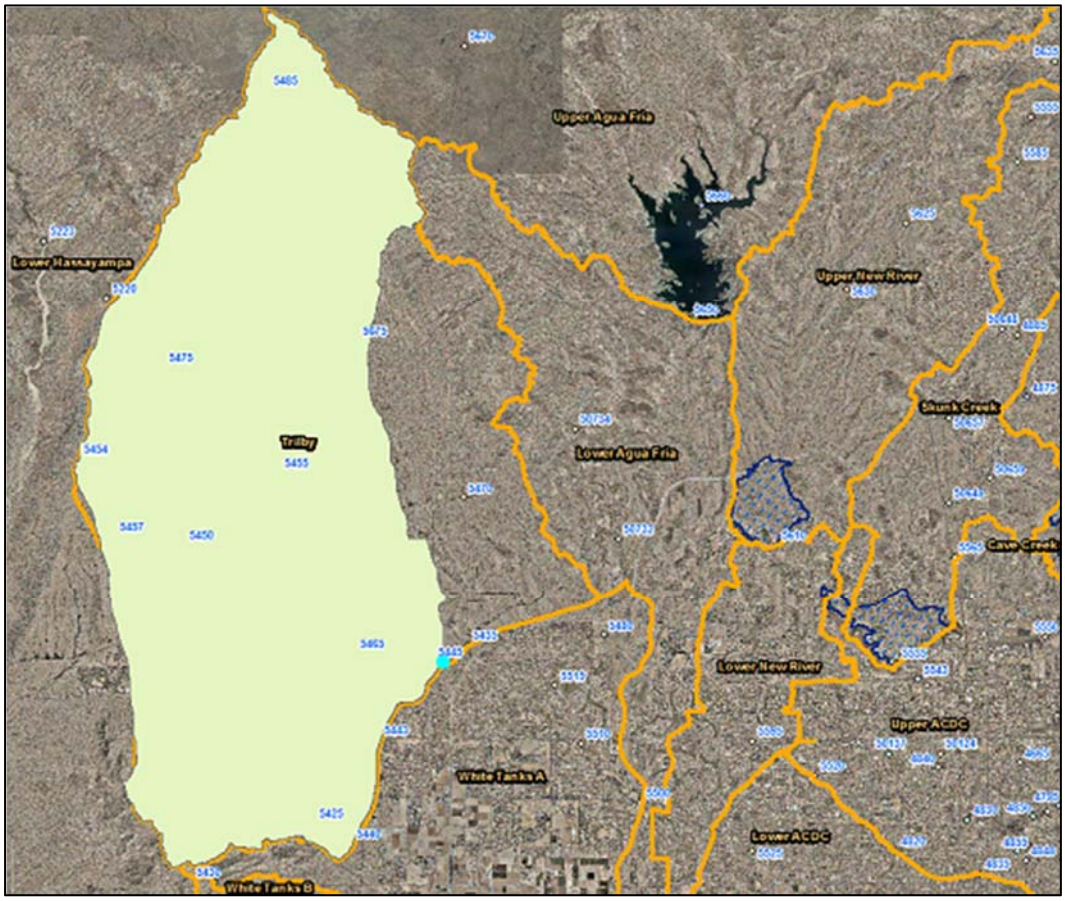
McMicken Dam at Bell Road, ID #71507

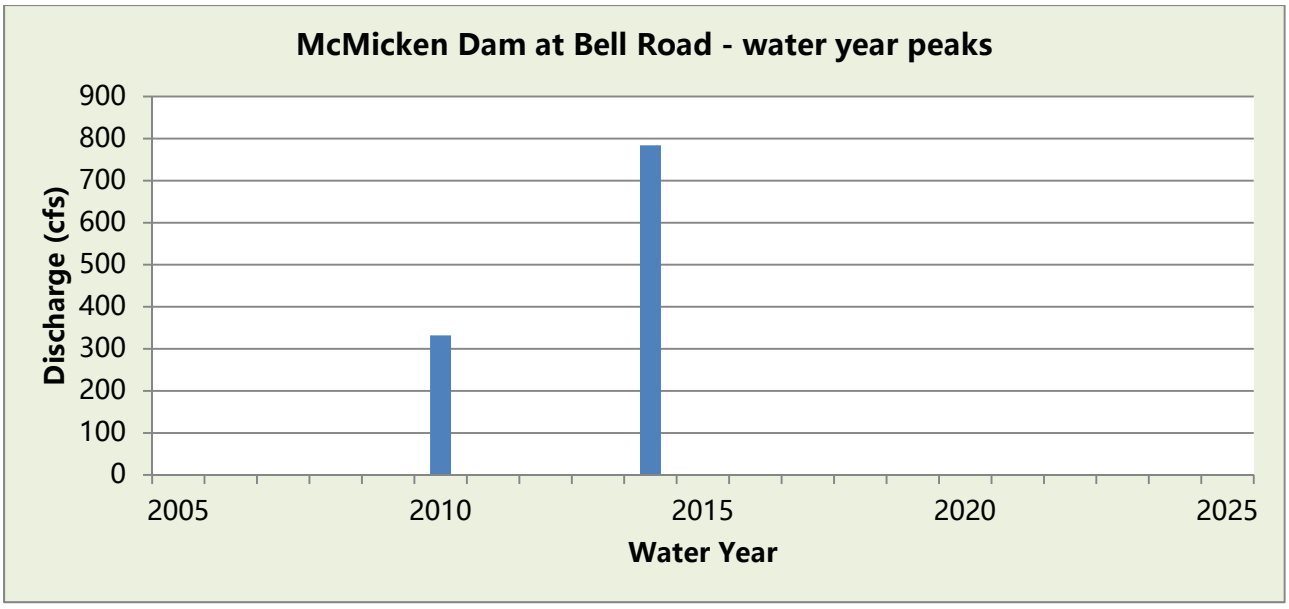


Site Data

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	11.58 Years | 4,229 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event

There was no runoff recorded in Water Year 2020.

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 2019 to September 2020

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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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

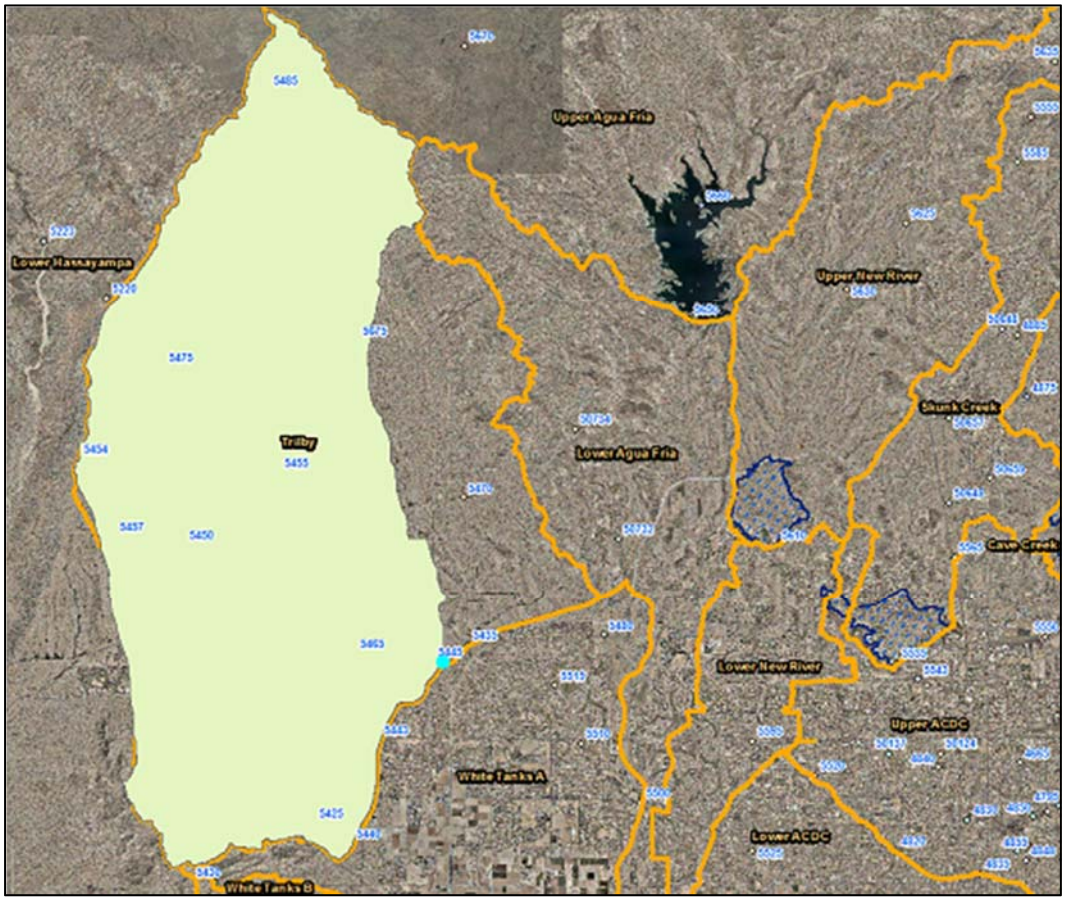
McMicken Dam, ID #71707

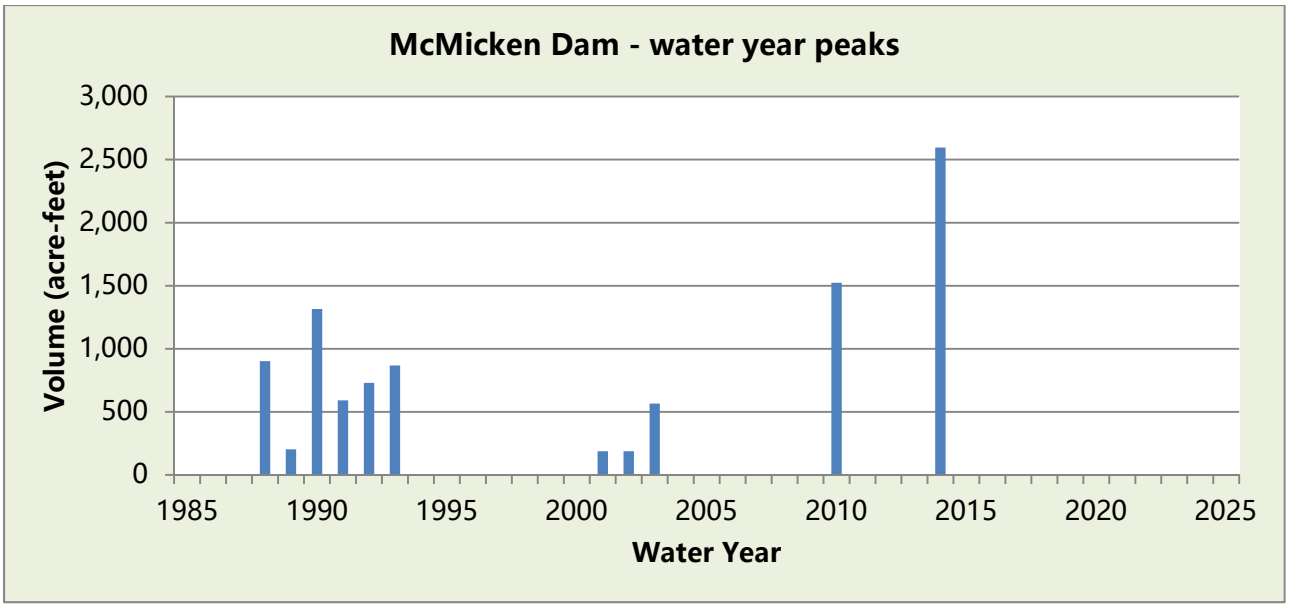


Site Data

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	32.62 Years | 11,914 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event

There were no impoundments recorded in Water Year 2020.

McMicken Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

McMicken Dam, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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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 2020 MEAN 0 MAX 0 MIN 0

McMicken Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	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	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	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	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 2020 MEAN 1.60 MAX 1.60 MIN 1.60

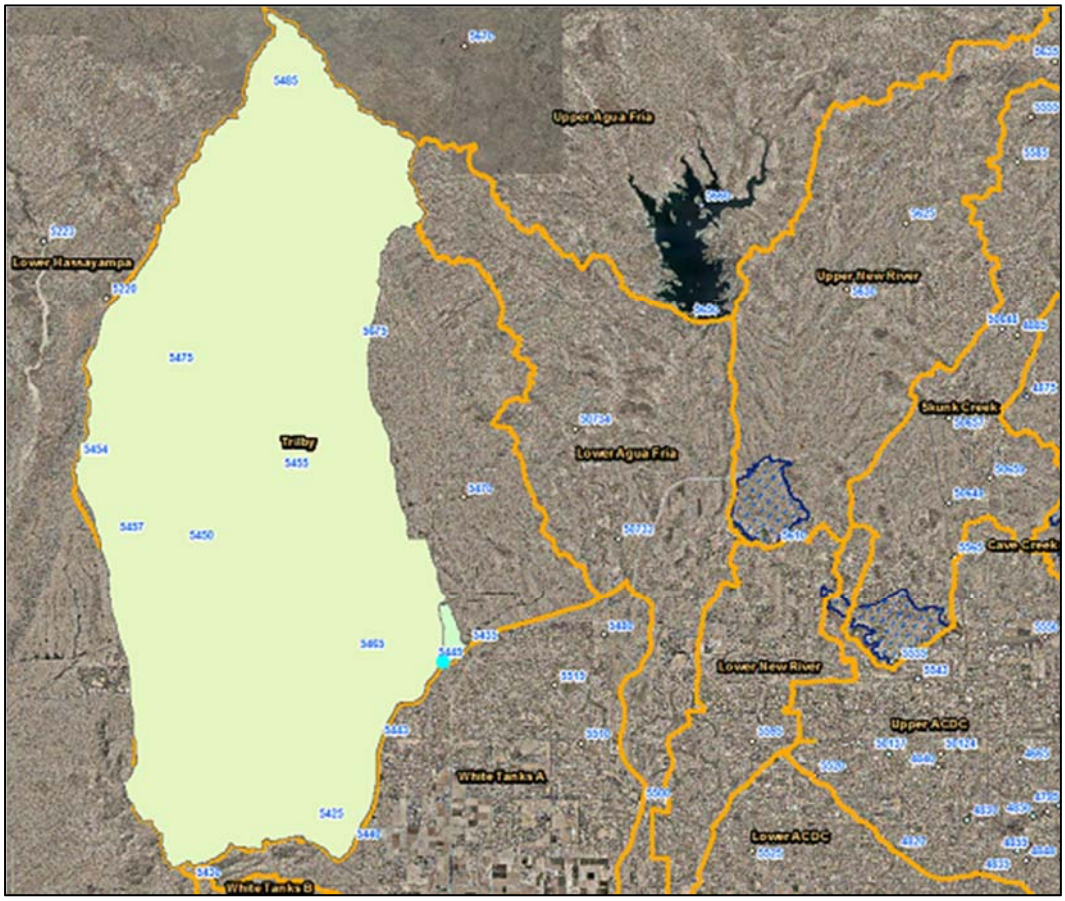
McMicken Floodway, ID #71307

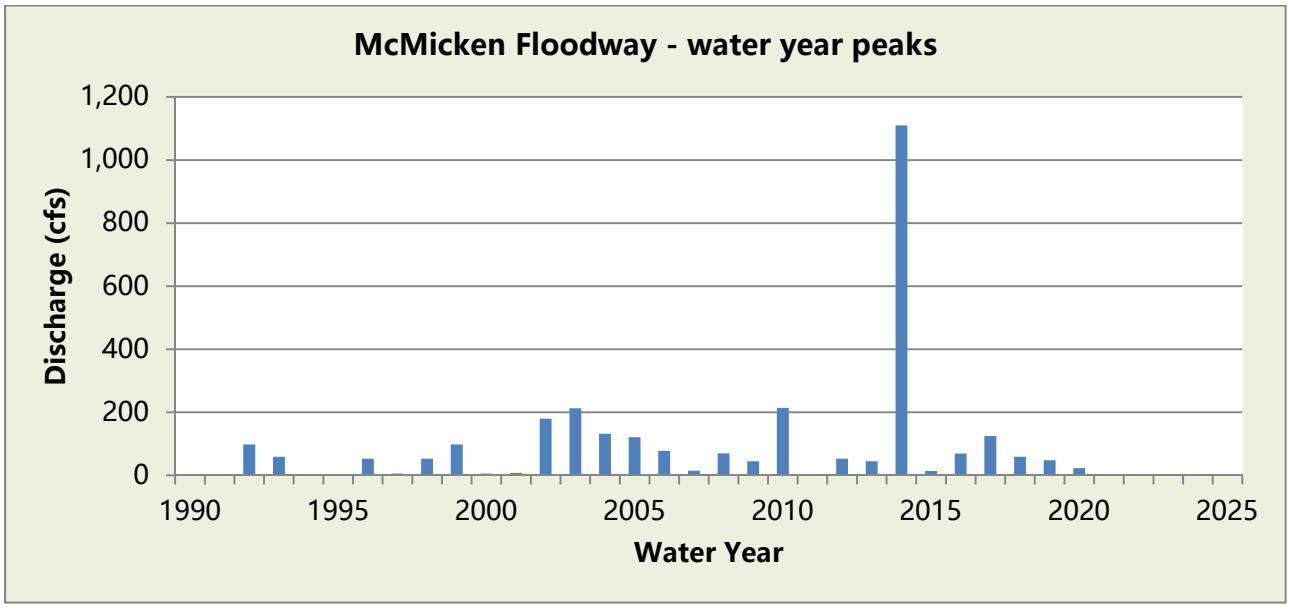


Site Data

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	28.37 Years | 10,362 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

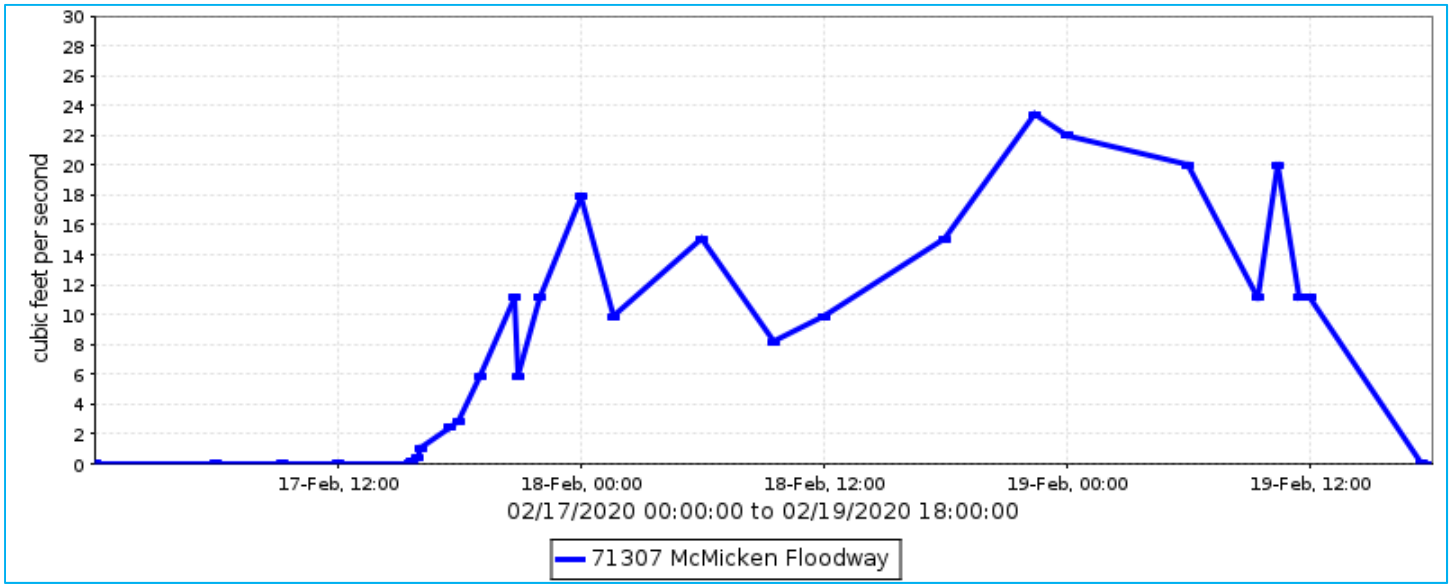




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
02/18/2020	1.15	23

Hydrograph of peak WY 2020 flow event, 02/18/2020



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**
45	**147**	**257**	**396**	**622**	**825**

NOTE: These results are based on very limited data.

McMicken Floodway, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					2							
18					13							
19					12							
20					---							
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	27	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	23	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	54	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 27 MEAN 0 MAX 23 MIN 0 AC_FT 54

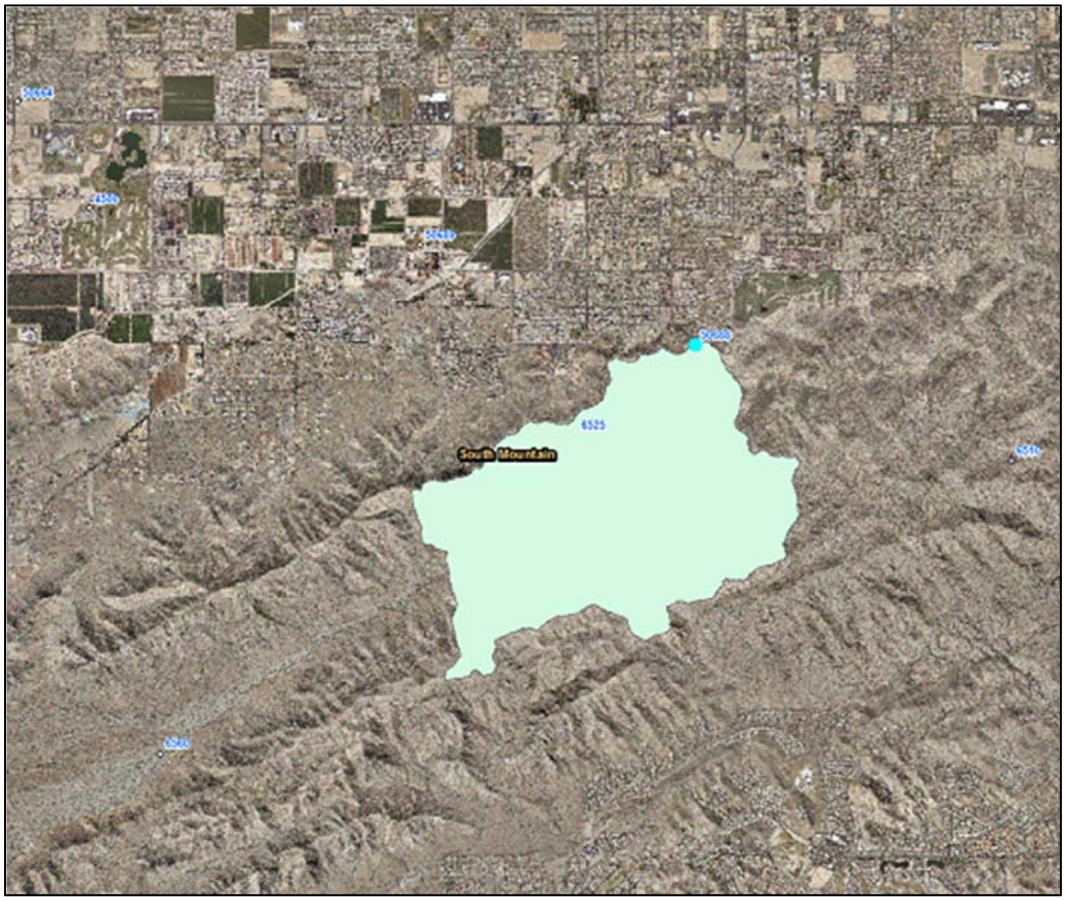
Mineral Canyon Basin, ID #68807

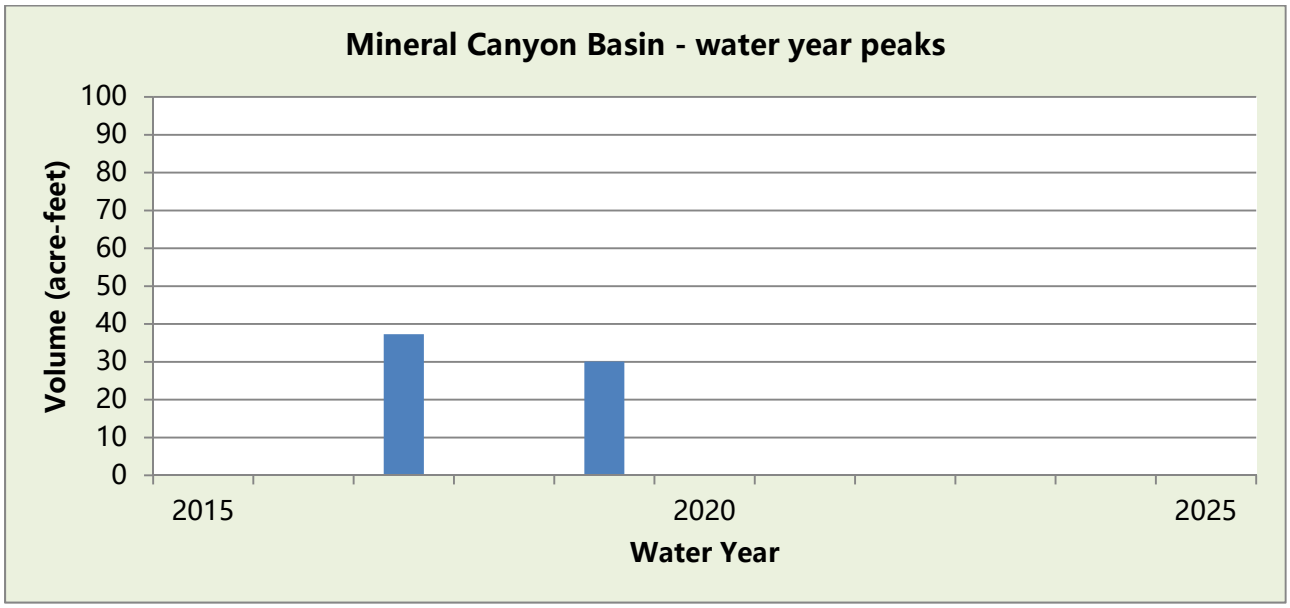


Site Data

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	5.06 Years | 1,848 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event,

No impoundments recorded in Water Year 2020.

Mineral Canyon Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Mineral Canyon Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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 2020 MEAN 0 MAX 0 MIN 0

Mineral Canyon Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
14	2.0	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
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	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	2.0	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 2020 MEAN 2.00 MAX 2.00 MIN 2.00

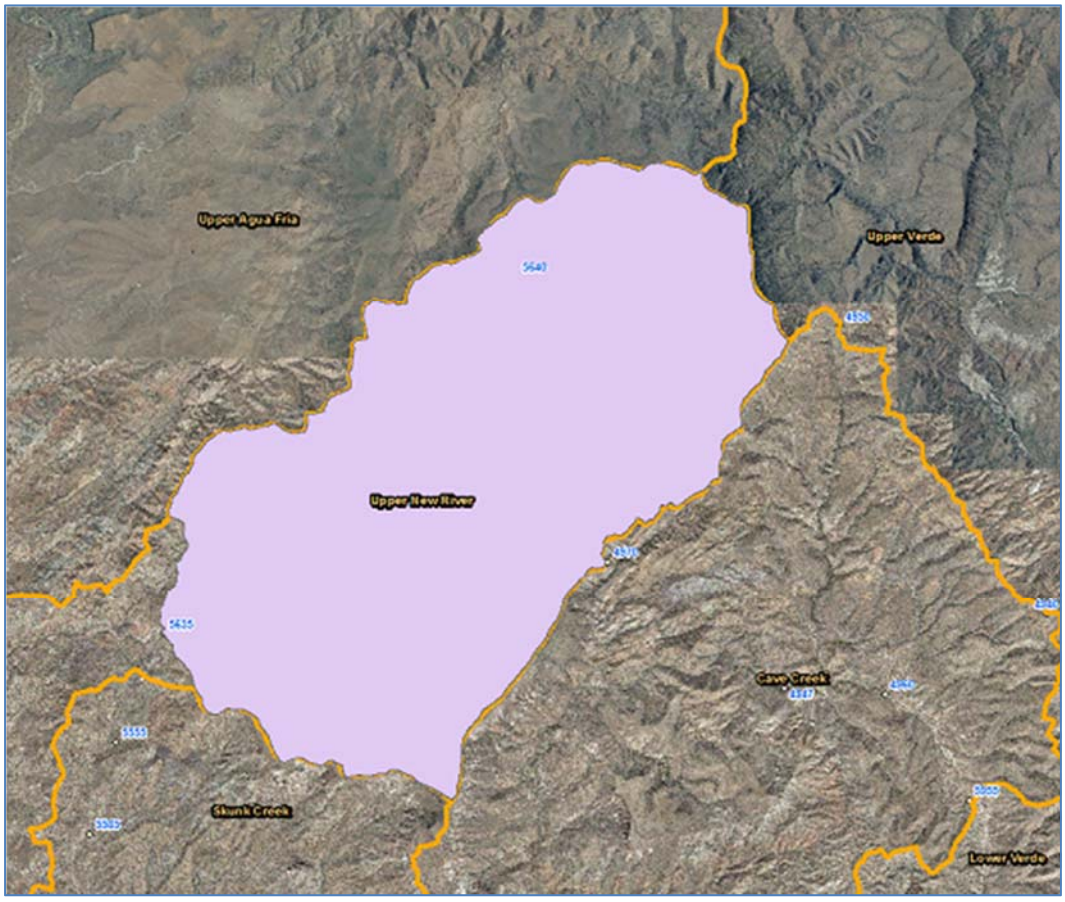
New River Fire, ID #62707

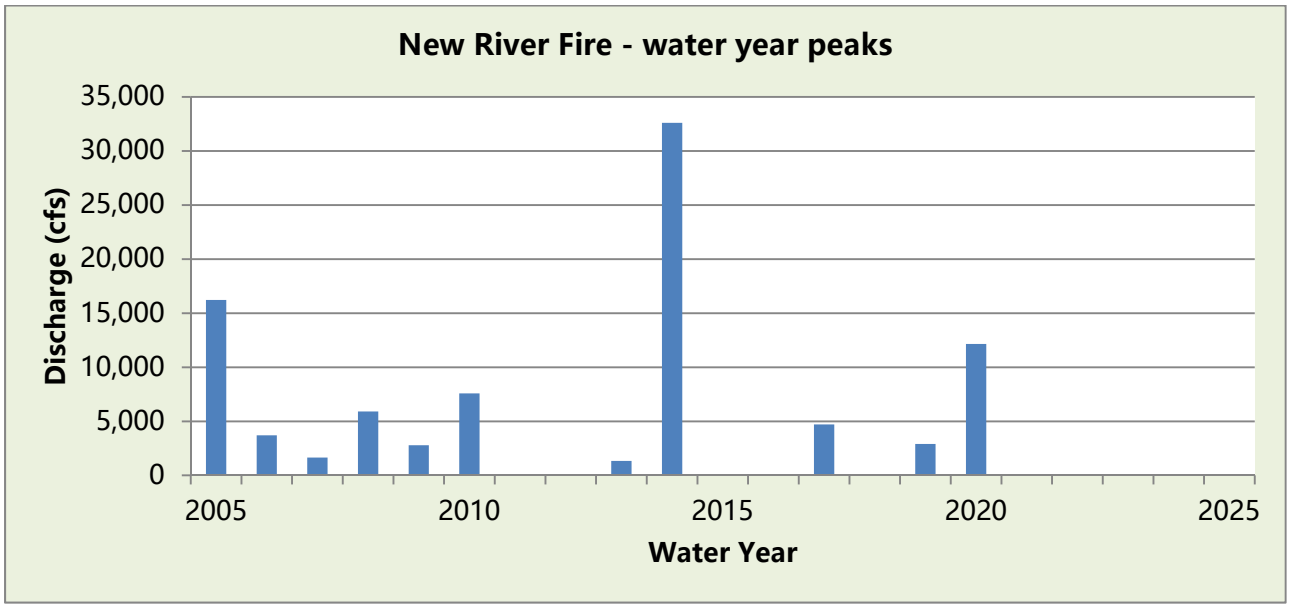


Site Data

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	15.20 Years | 5,552 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

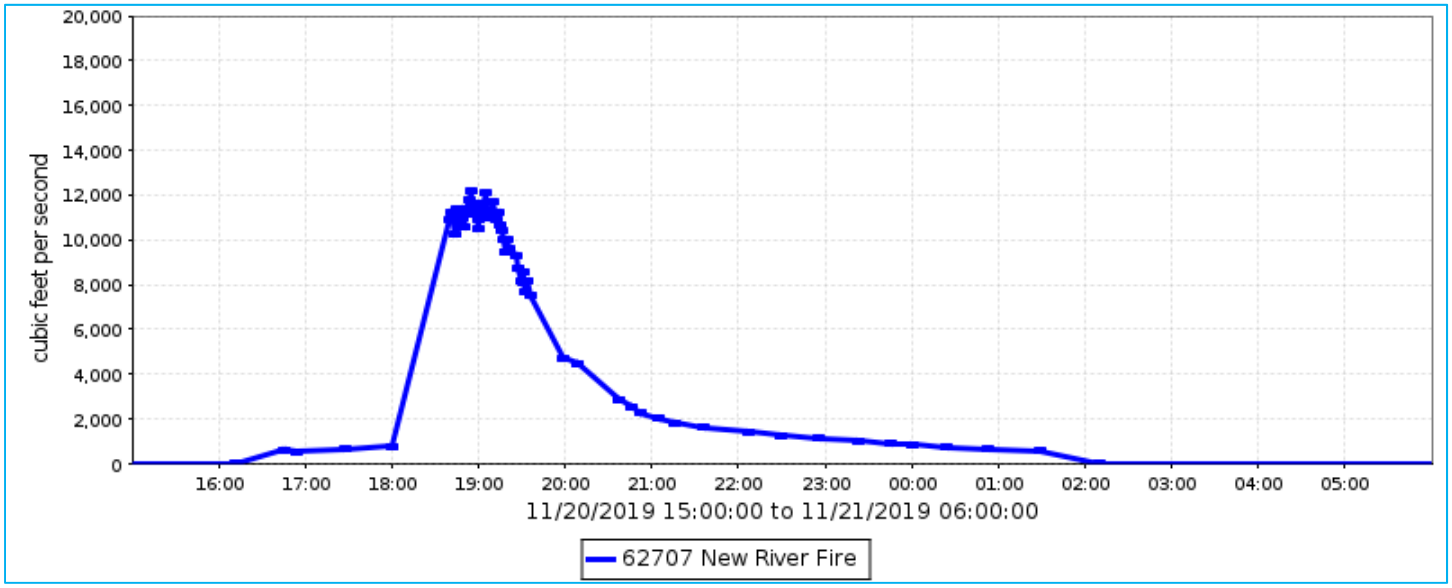




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	6.75	12,151
11/21/2019	1.91	1,125
11/24/2019	1.66	855
11/29/2019	6.20	10,660
12/22/2019	1.46	677
12/22/2019	2.01	1,245
12/24/2019	2.01	1,245
03/13/2020	3.09	3,210

Hydrograph of peak WY 2020 flow event, 11/20/2019



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 2019 to September 2020

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						1076						
14				---		132						
15												
16												
17				---								
18				---								
19				---								
20		909		---								
21		223										
22		30	197									
23												
24		26	233									
25												
26												
27												
28			---									
29		1814	---									
30			---		---							
31		---	---		---		---		---			---
TOTAL	0	3002	429	0	0	1208	0	0	0	0	0	0
MEAN	0	100	14	0	0	39	0	0	0	0	0	0
MAX	0	12151	1245	0	0	3210	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	5955	852	0	0	2397	0	0	0	0	0	0

WTR YR 2020 TOTAL 4640 MEAN 13 MAX 12151 MIN 0 AC_FT 9204

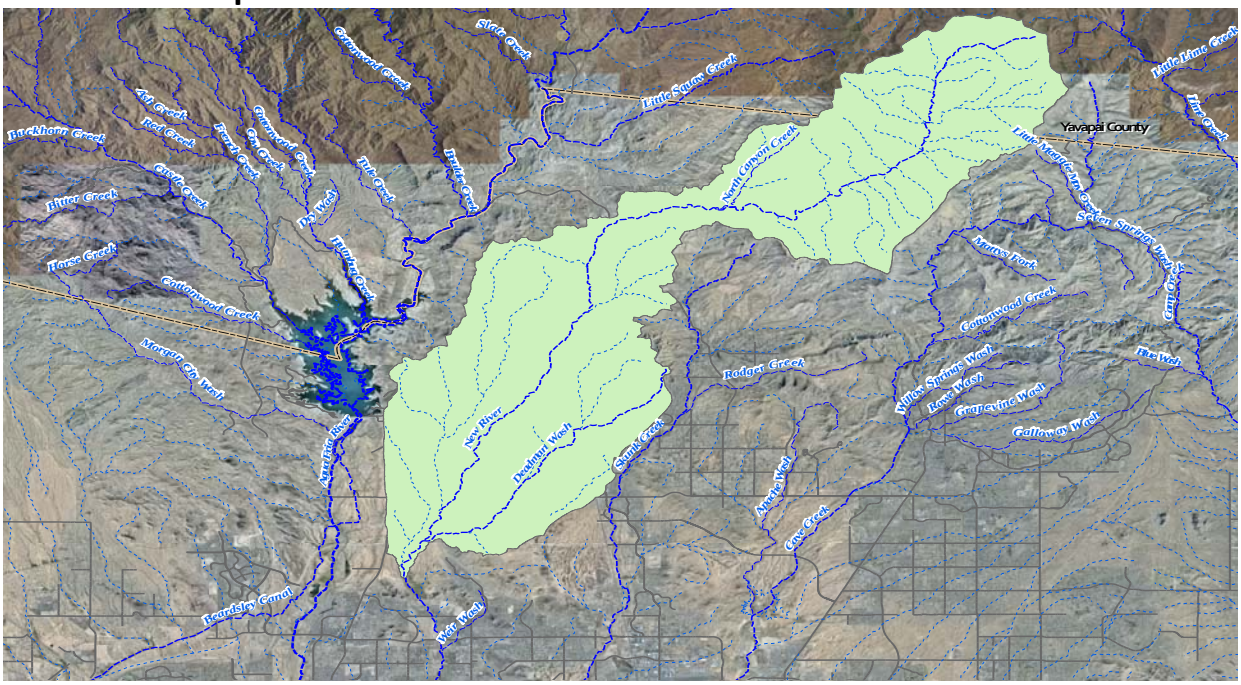
New River at SR303L, ID #62213

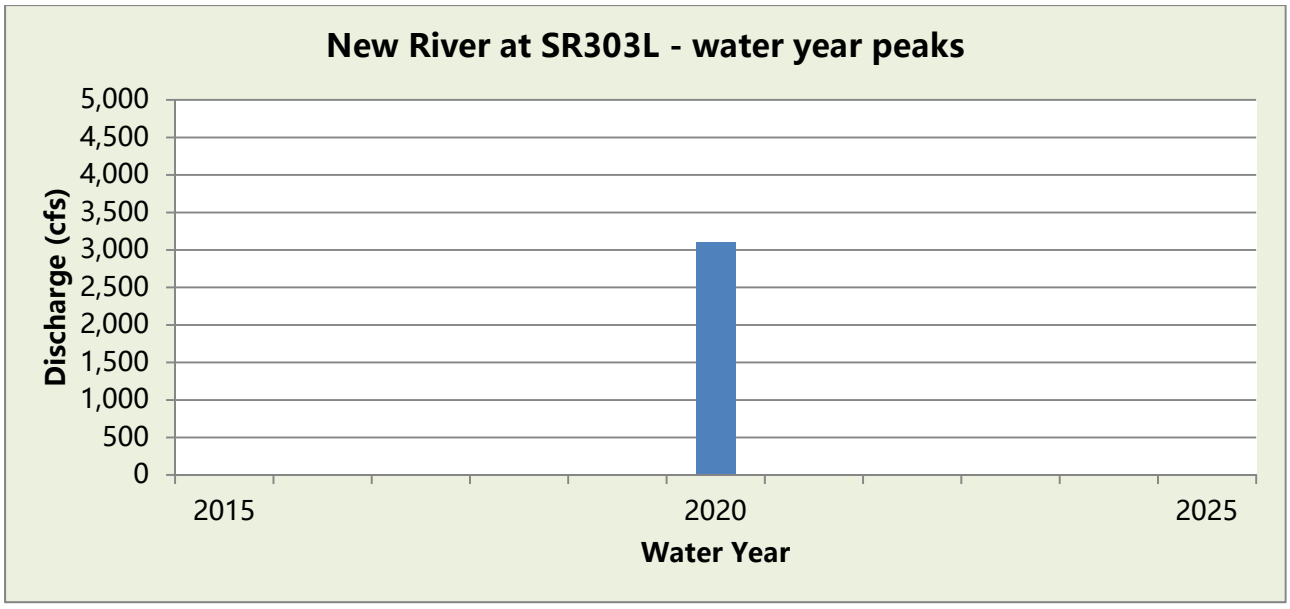


Site Data

LOCATION	About 2 miles east of Lake Pleasant Parkway on Loop 303
DRAINAGE AREA	122.2 mi^2
STREAM TYPE	Natural Stream
JURISDICTION	Peoria, Arizona
WATERSHED	Upper New River
SECTION/TOWNSHIP/RANGE	S14 T5N R1E
LATITUDE	N 33° 38' 16.6" | +33.63975
LONGITUDE	W 112° 14' 22.5" | -112.2396
STREAMGAGE INSTALLATION DATE	12/12/2019 - WY 2020
AVAILABLE PERIOD OF RECORD (POR)	12/12/2019 - Current
LENGTH OF AVAILABLE POR DATA	0.80 Years | 294 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	1,490.00 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,107 cfs | 4.81 feet | 03/13/2020

Watershed Map



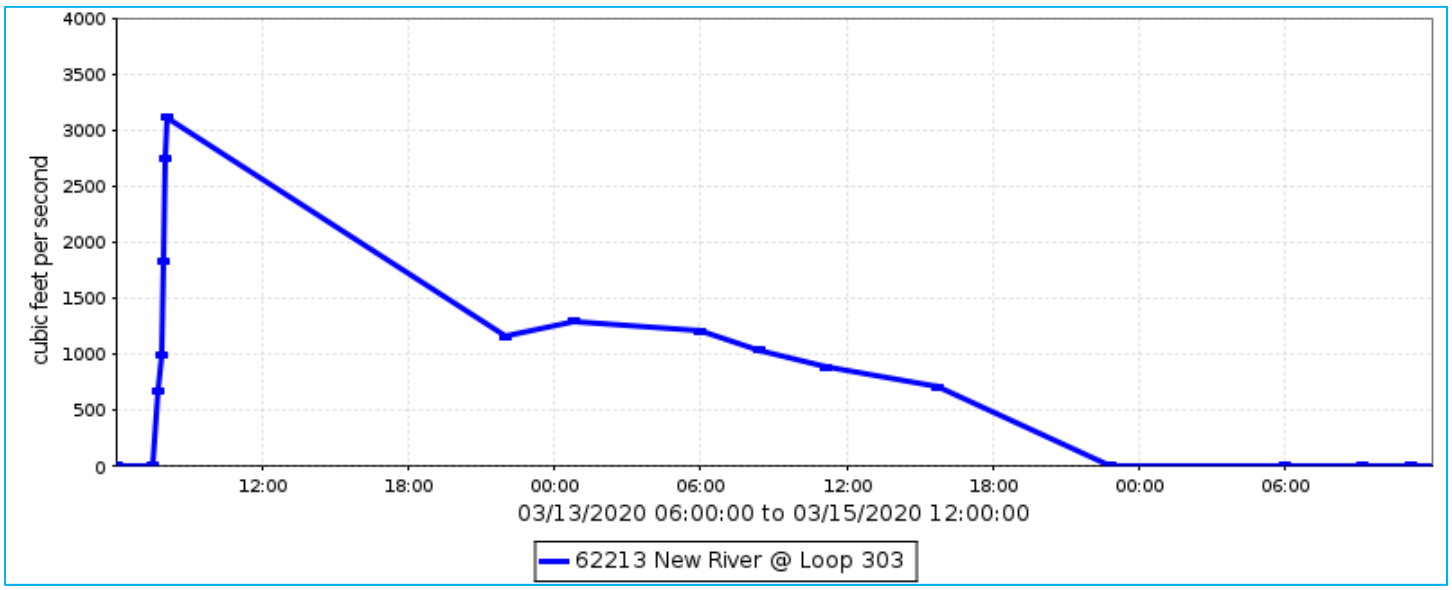


Gage installed in Water Year 2020 on December 12, 2019.

WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
12/25/2019	3.78	806
12/27/2019	3.75	764
03/13/2020	4.81	3,107
03/19/2020	3.84	888

Hydrograph of peak WY 2020 flow event, 11/20/2019



Flood Flow Frequency

Flood Flow Frequency Source: USGS Streamstats					
2-year	**5-year**	**10-year**	**25-year**	**50-year**	**100-year**
1,230	**3,740**	**6,560**	**10,700**	**15,800**	**22,400**

New River at SR303L, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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	---	---	---			1915						
14	---	---				932	---					
15	---	---	208				---					
16	---	---										
17	---	---										
18	---	---										
19	---	---				744						
20	---	---			---	298	---					
21	---	---					---					
22	---	---										
23	---	---										
24	---	---				---						
25	---	---	330									
26	---	---										
27	---	---	104									---
28	---	---										
29	---	---										
30	---	---			---		---					
31	---	---			---		---		---			---
TOTAL	---	---	590	0	0	3888	0	0	0	0	0	0
MEAN	---	---	19	0	0	125	0	0	0	0	0	0
MAX	---	---	806	0	0	3107	0	0	0	0	0	0
MIN	---	---	0	0	0	0	0	0	0	0	0	0
AC_FT	---	---	1171	0	0	7713	0	0	0	0	0	0

WTR YR 2020 TOTAL 4479 MEAN 12 MAX 3107 MIN 0 AC_FT 8884

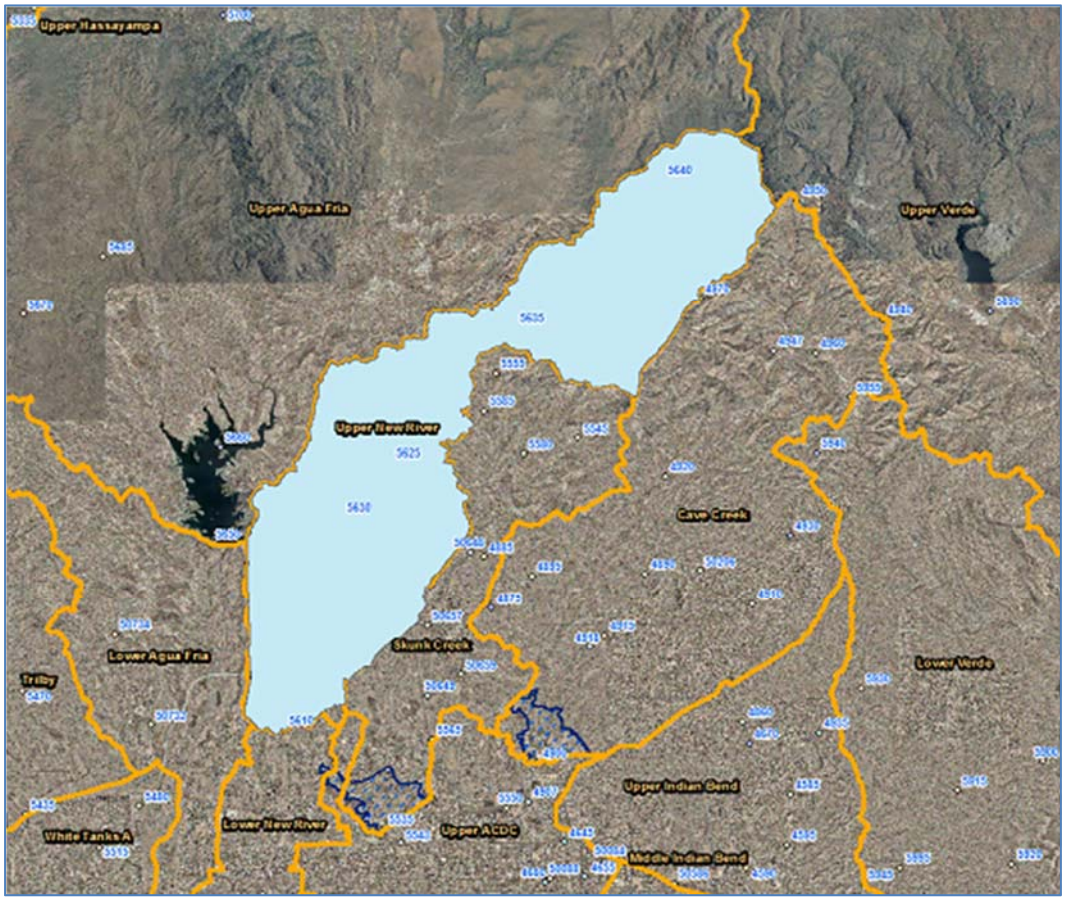
New River Dam Pool, ID #62017

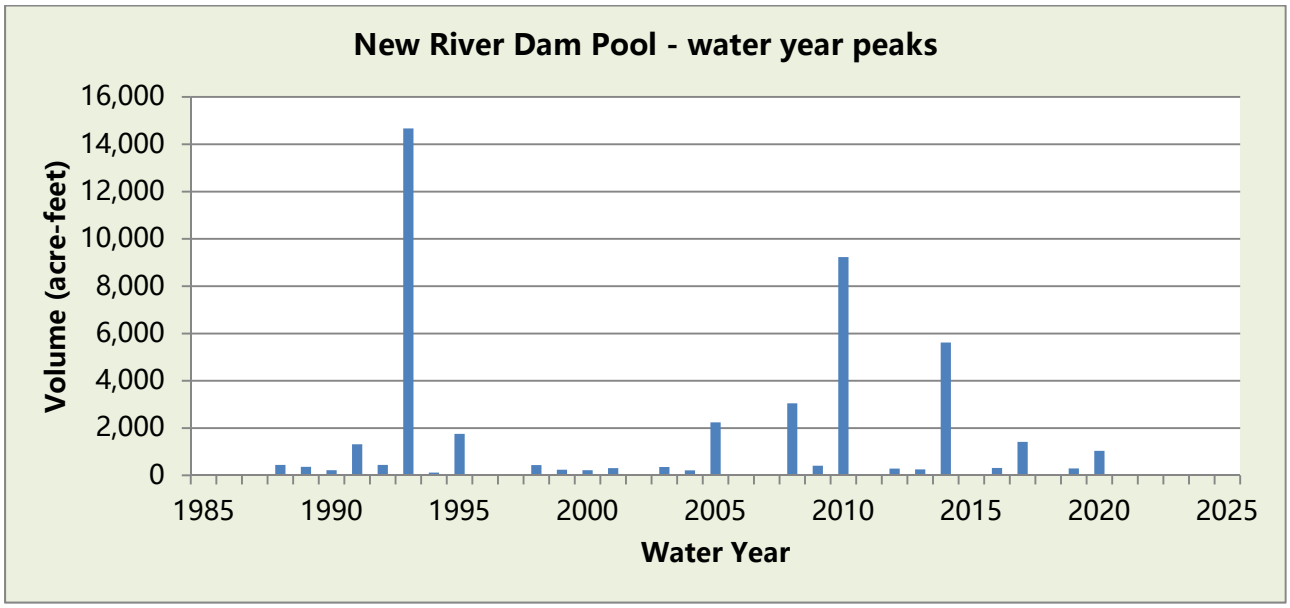


Site Data

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	32.09 Years | 11,720 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

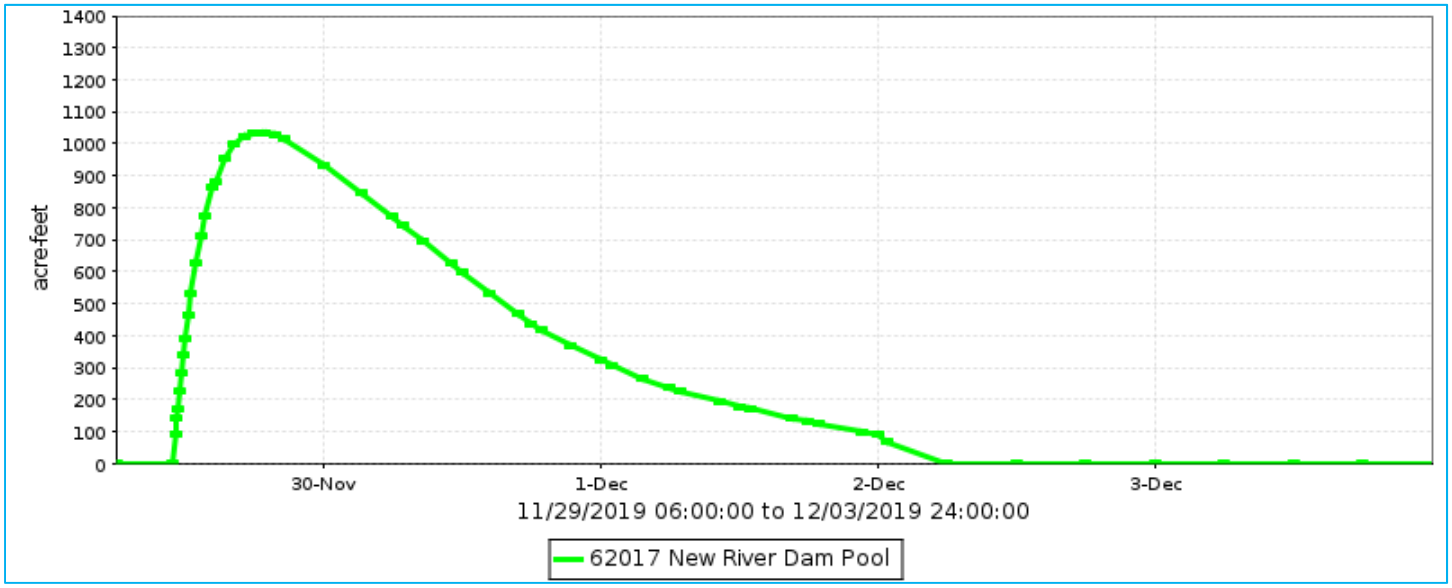




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/21/2019	10.98	757.1	1.7
11/29/2019	12.62	1,035.2	2.3
12/28/2019	5.11	162.8	0.3
03/13/2020	6.75	270.0	0.6
03/20/2020	4.25	116.0	0.2

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



New River Dam Pool, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			200									
2			18									
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13						107	29					
14						217	58					
15						69	58					
16							58					
17							58					
18							58					
19						45	58					
20		6				88	58					
21		586					58					
22		402					58					
23		133					58					
24							58					
25							58					
26							58					
27			2				58					
28			135				58					
29		470	104									
30		638	17		---							
31		---			---		---		---			---
MEAN	0	74	15	0	0	17	30	0	0	0	0	0
MAX	0	1035	307	0	0	272	58	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 11 MAX 1035 MIN 0

New River Dam Pool, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.9	5.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2	2.9	2.9	3.0	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	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	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	4.4	2.9	2.9	2.9	2.9	2.9	2.9
14	2.9	2.9	2.9	2.9	2.9	6.0	2.9	2.9	2.9	2.9	2.9	2.9
15	2.9	2.9	2.9	2.9	2.9	3.7	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	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	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	3.3	2.9	2.9	2.9	2.9	2.9	2.9
20	2.9	2.9	2.9	2.9	2.9	3.6	2.9	2.9	2.9	2.9	2.9	2.9
21	2.9	9.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
22	2.9	8.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
23	2.9	4.5	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	4.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
29	2.9	7.5	4.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
30	2.9	10.1	3.0	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	3.7	3.1	2.9	2.9	3.1	2.9	2.9	2.9	2.9	2.9	2.9
MAX	2.9	12.6	7.2	2.9	2.9	6.8	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 2020 MEAN 2.99 MAX 12.62 MIN 2.88

New River Dam Outlet, ID #62007

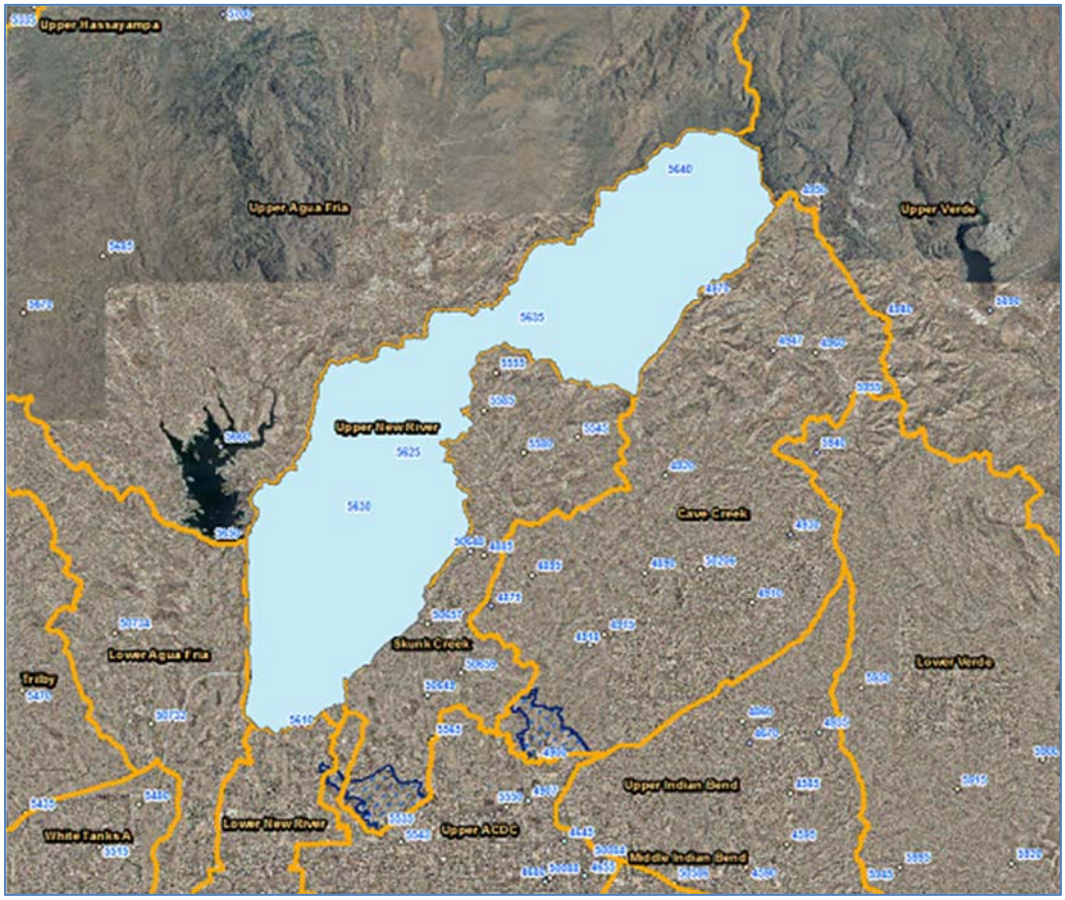


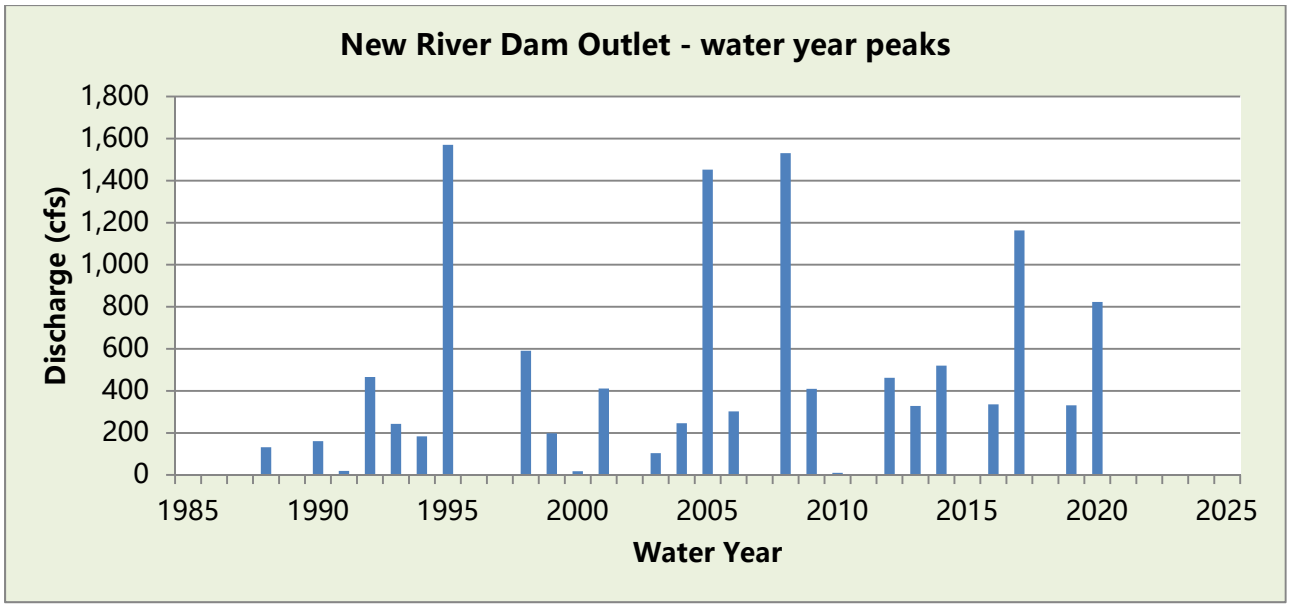
Site Data

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	32.09 Years | 11,720 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

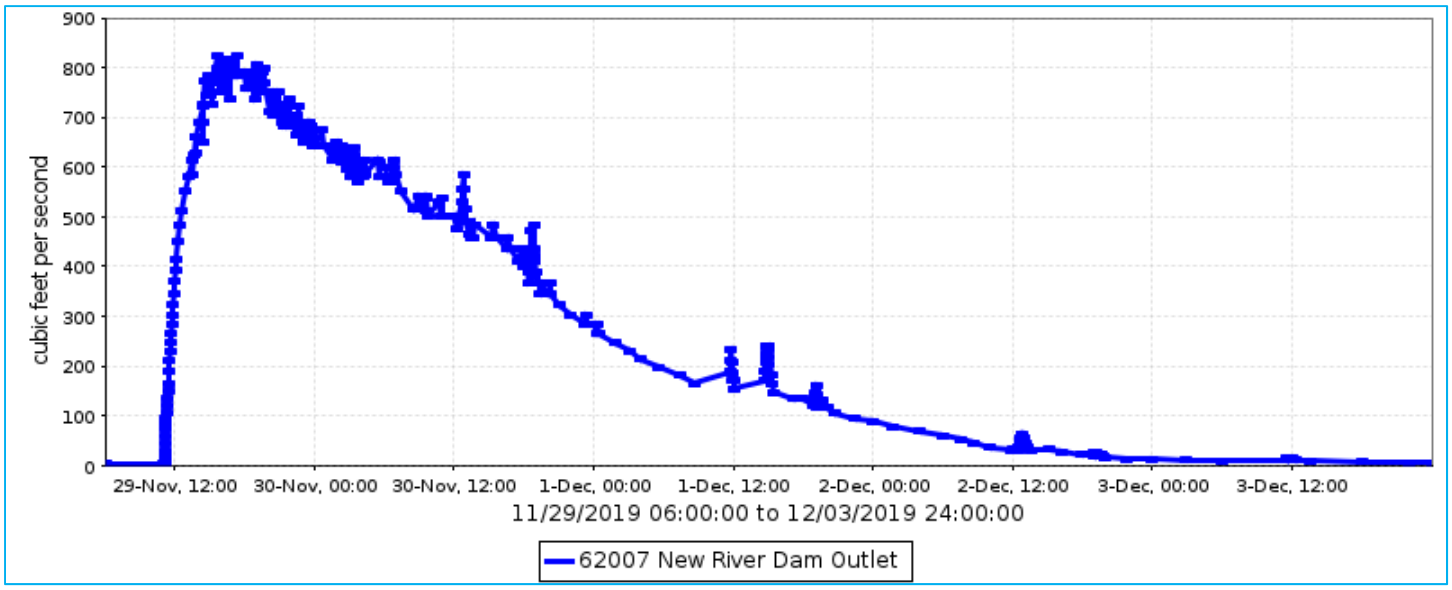




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/21/2019	7.12	585
11/29/2019	7.89	823
12/28/2019	5.15	166
03/13/2020	5.82	278
03/19/2020	4.85	125

Hydrograph of peak WY 2020 flow event, 11/29/2019



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1		172	9								
2	1		44	5								
3	1		10	4								
4			5	2					---			
5			4	2					---			
6			2	1								
7			2	1								
8			2									
9			1									
10												
11												
12												
13						115						
14						220						
15						97						
16						24						
17						9						
18						4						
19						72						
20		11				98						
21		476				35						
22		349				12						
23		129				6						
24		21				3						
25		5	3			2						
26		3	59			2						
27		2	37			1						
28		2	128									
29		362	99									
30		491	41		---							
31		---	17		---		---		---			---
TOTAL	4	1852	626	26	0	702	0	0	0	0	0	0
MEAN	0	62	20	1	0	23	0	0	0	0	0	0
MAX	1	823	284	9	0	284	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	8	3674	1242	51	0	1392	1	0	0	0	0	0

WTR YR 2020 TOTAL 3210 MEAN 9 MAX 823 MIN 0 AC_FT 6367

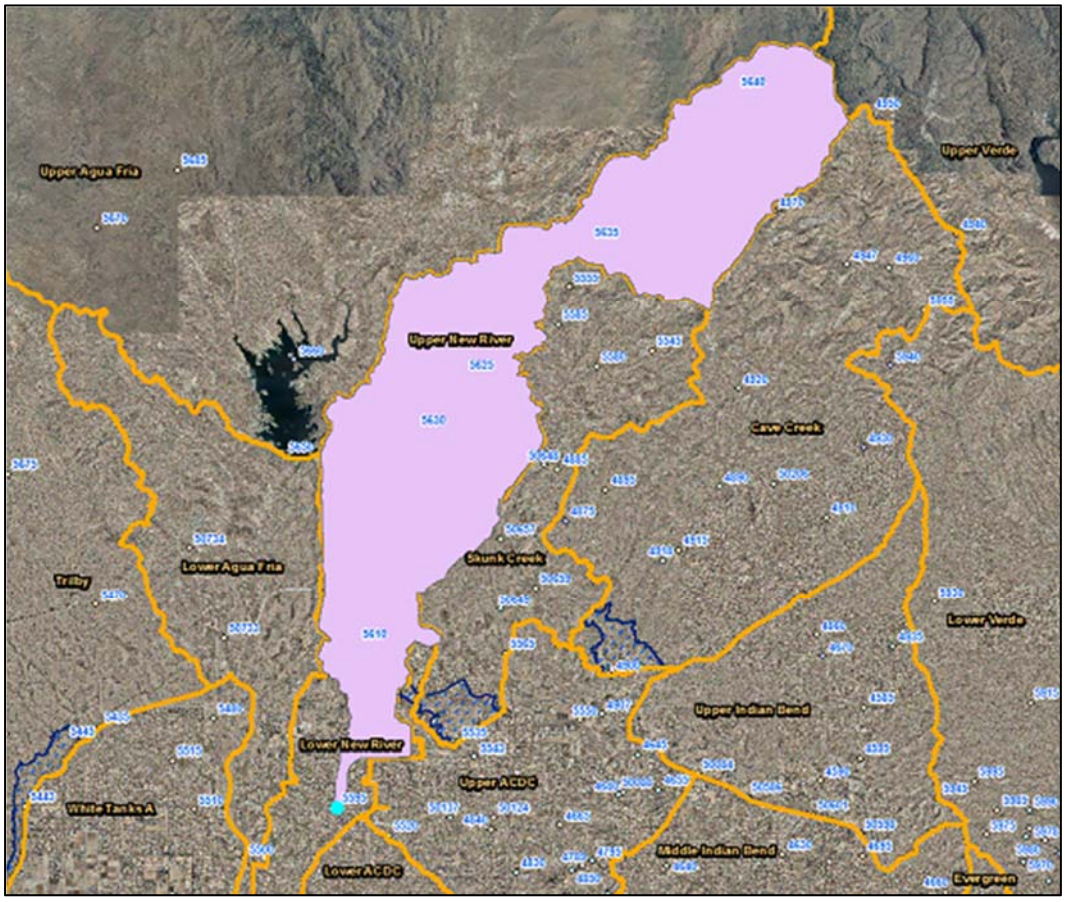
New River at Bell Road, ID #61707

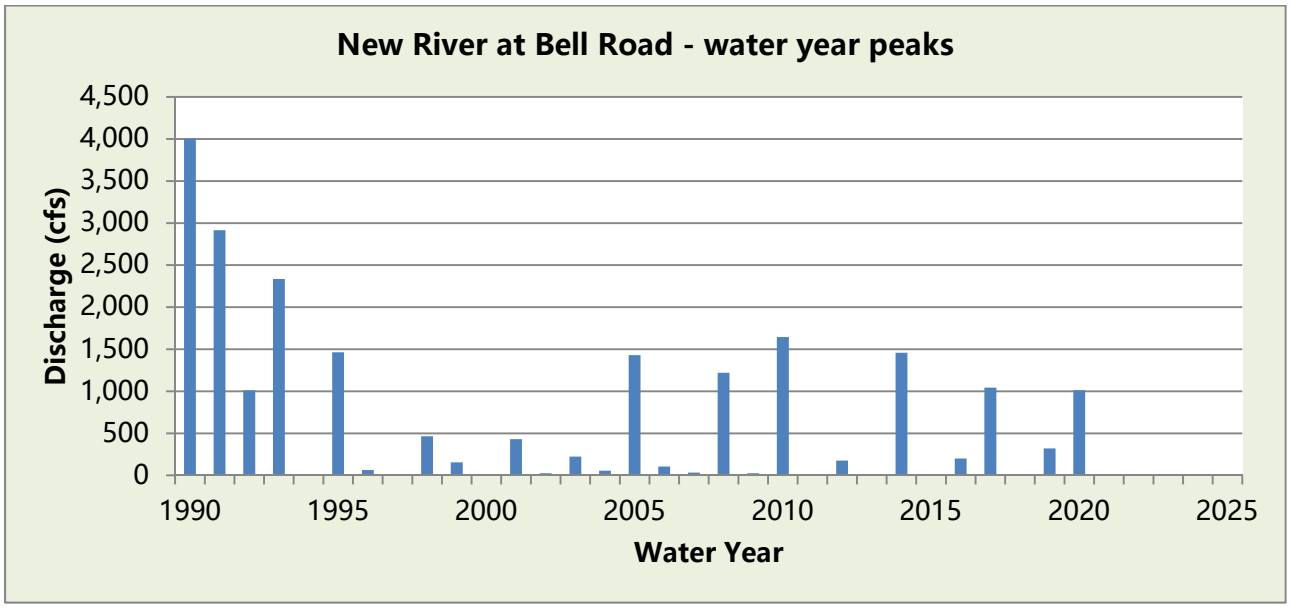


Site Data

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	30.49 Years | 11,138 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

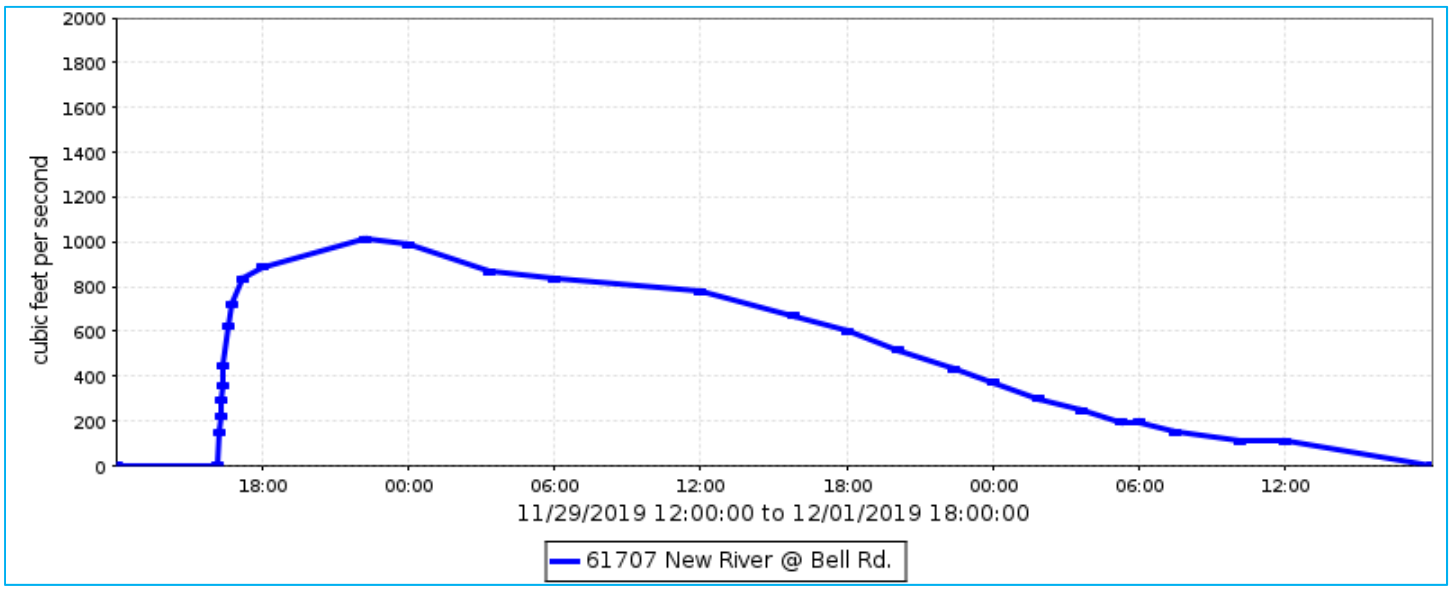




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	0.85	370
11/21/2019	1.33	811
11/29/2019	1.50	1,013
03/13/2020	0.70	272

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
172	**1,160**	**2,660**	**4,870**	**8,840**	**12,600**

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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			138									
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13						31						
14						210						
15												
16												
17												
18												
19												
20		56										
21		545										
22		486										
23		57										
24												
25												
26												
27												
28												
29		281										
30		757			---							
31		---			---		---		---			---
TOTAL	0	2181	138	0	0	241	0	0	0	0	0	0
MEAN	0	73	4	0	0	8	0	0	0	0	0	0
MAX	0	1013	300	0	0	273	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	4326	273	0	0	477	0	0	0	0	0	0

WTR YR 2020 TOTAL 2559 MEAN 7 MAX 1013 MIN 0 AC_FT 5076

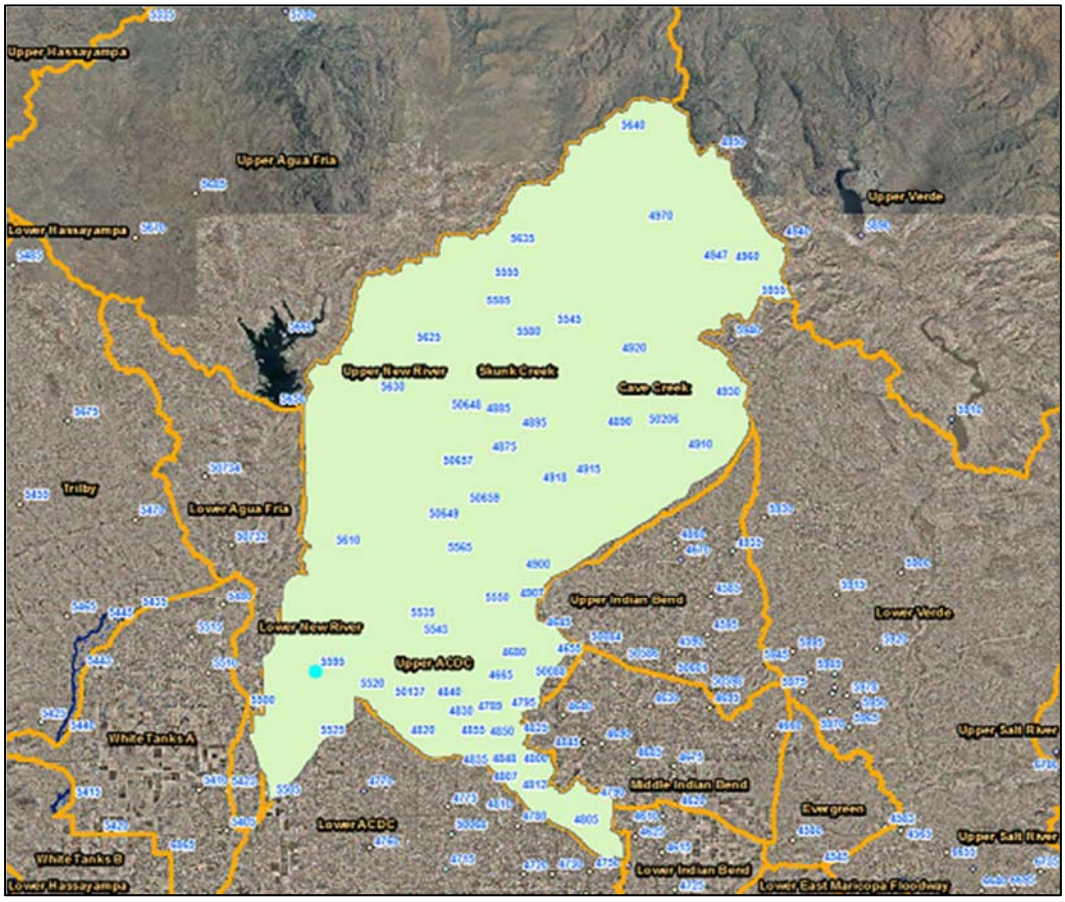
New River at Glendale Avenue, ID #61507 (transducer), #61513 (radar)

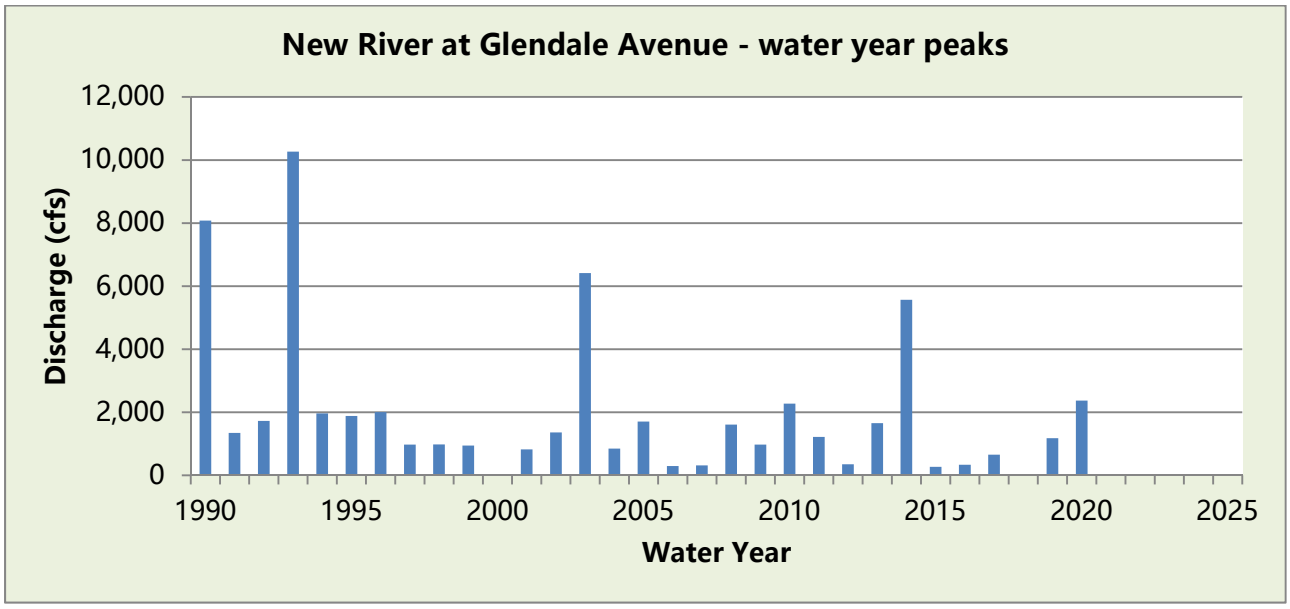


Site Data

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	30.53 Years | 11,152 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

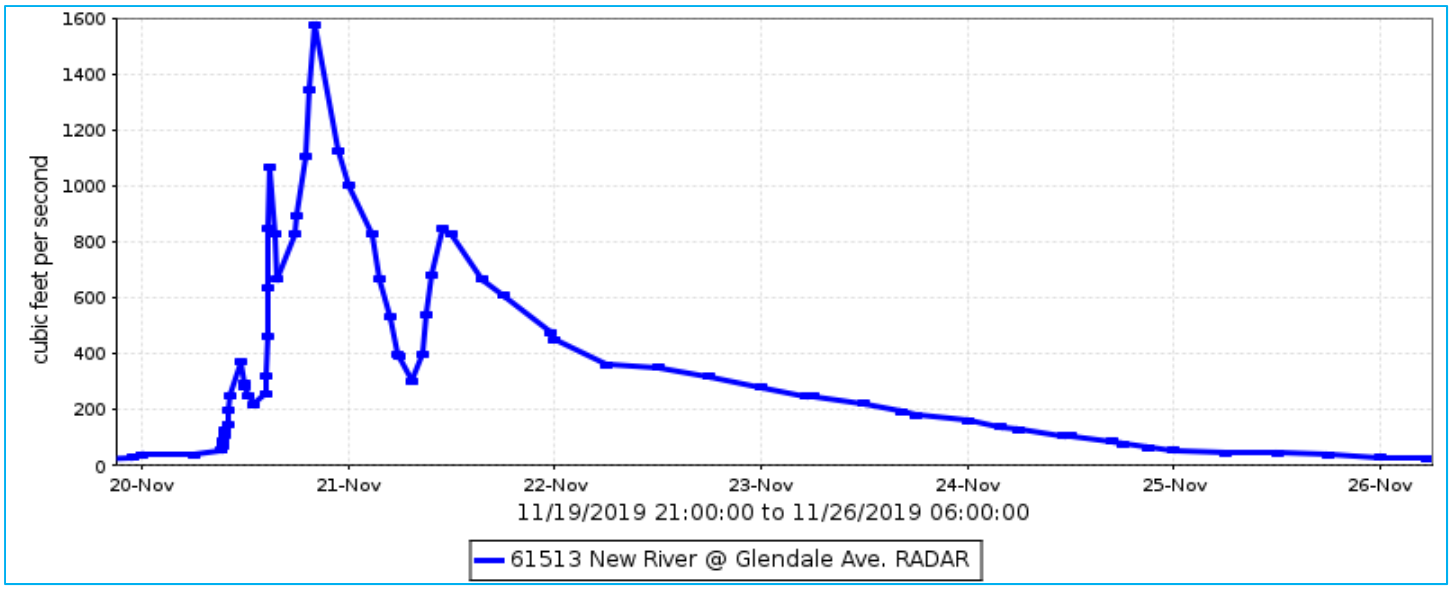




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	3.73	1,575
11/29/2019	3.33	987
12/09/2019	2.28	231
12/25/2019	1.52	103
12/25/2019	1.72	133
12/26/2019	1.72	133
12/29/2019	1.89	159
02/11/2020	2.34	244
02/22/2020	2.35	247
03/12/2020	4.18	2,371
03/12/2020	4.08	2,177
03/12/2020	3.91	1,871
03/13/2020	3.16	790
03/14/2020	2.98	600
03/18/2020	2.07	189
03/20/2020	1.83	149

Hydrograph of peak WY 2020 flow event, 03/12/2020



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**
1,170	**2,750**	**4,390**	**6,540**	**10,300**	**14,100**

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 (#61513), runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	22	283	41	20	19	38	28	23	22	26	32
2	16	28	164	31	18	18	47	22	21	22	28	25
3	17	28	62	20	19	18	38	24	25	21	28	24
4	15	25	34	20	19	20	40	29	20	24	26	24
5	16	23	28	23	18	17	33	22	23	27	26	24
6	16	29	27	23	19	18	33	26	24	24	28	23
7	13	29	24	19	25	21	30	24	26	20	25	27
8	12	26	72	17	21	28	27	26	22	28	26	25
9	12	28	60	17	19	24	27	28	26	29	28	29
10	15	32	104	17	22	21	24	30	21	28	27	30
11	14	26	28	18	163	57	24	30	21	24	26	34
12	17	26	18	19	62	215	23	29	25	29	21	38
13	18	23	14	20	26	395	22	27	30	26	26	34
14	15	21	12	28	21	335	29	23	30	24	27	22
15	16	28	15	23	24	211	30	27	28	27	28	22
16	16	27	13	20	23	172	34	28	28	27	27	21
17	15	28	15	23	23	93	29	26	25	28	24	26
18	16	27	20	23	24	68	26	24	24	29	26	23
19	16	21	17	21	26	124	25	23	25	30	25	22
20	15	500	19	22	27	135	23	21	30	26	25	24
21	16	674	20	24	28	104	24	20	29	27	26	30
22	16	368	20	23	145	55	23	21	21	23	29	28
23	14	227	21	20	121	37	25	20	22	20	25	28
24	16	110	63	22	36	33	31	24	21	24	26	28
25	18	43	104	21	23	33	32	27	22	26	20	26
26	18	22	75	21	19	34	32	26	17	26	23	24
27	18	17	83	22	19	40	27	26	20	18	26	21
28	17	16	110	20	20	46	25	22	23	24	20	23
29	13	347	154	18	23	49	23	19	23	17	27	22
30	14	665	118	18	---	50	23	22	23	16	27	20
31	15	---	69	20	---	46	---	26	---	24	40	---
TOTAL	482	3486	1866	676	1052	2539	868	770	720	759	814	779
MEAN	16	116	60	22	36	82	29	25	24	24	26	26
MAX	22	1575	289	43	282	1207	73	41	38	34	48	43
MIN	10	15	11	14	17	16	17	14	15	15	17	16
AC_FT	956	6915	3701	1342	2086	5036	1721	1528	1428	1505	1615	1546

WTR YR 2020 TOTAL 14812 MEAN 40 MAX 1575 MIN 10 AC_FT 29379

NOTE: There is almost always a base flow at this location due to irrigation tail water.

New River at Glendale Avenue (#61507), runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			239									
2												
3												
4												
5												
6												
7												
8												
9												
10												
11						25						
12						487						
13						419						
14						377						
15						230						
16												
17												
18												
19												
20		257										
21		390										
22		328										
23		147										
24												
25												
26												
27												
28												
29		261										
30		390			---							
31		---			---		---		---			---
TOTAL	0	1774	239	0	0	1537	0	0	0	0	0	0
MEAN	0	59	8	0	0	50	0	0	0	0	0	0
MAX	0	647	327	0	0	2371	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	3519	474	0	0	3049	0	0	0	0	0	0

WTR YR 2020 TOTAL 3550 MEAN 10 MAX 2371 MIN 0 AC_FT 7042

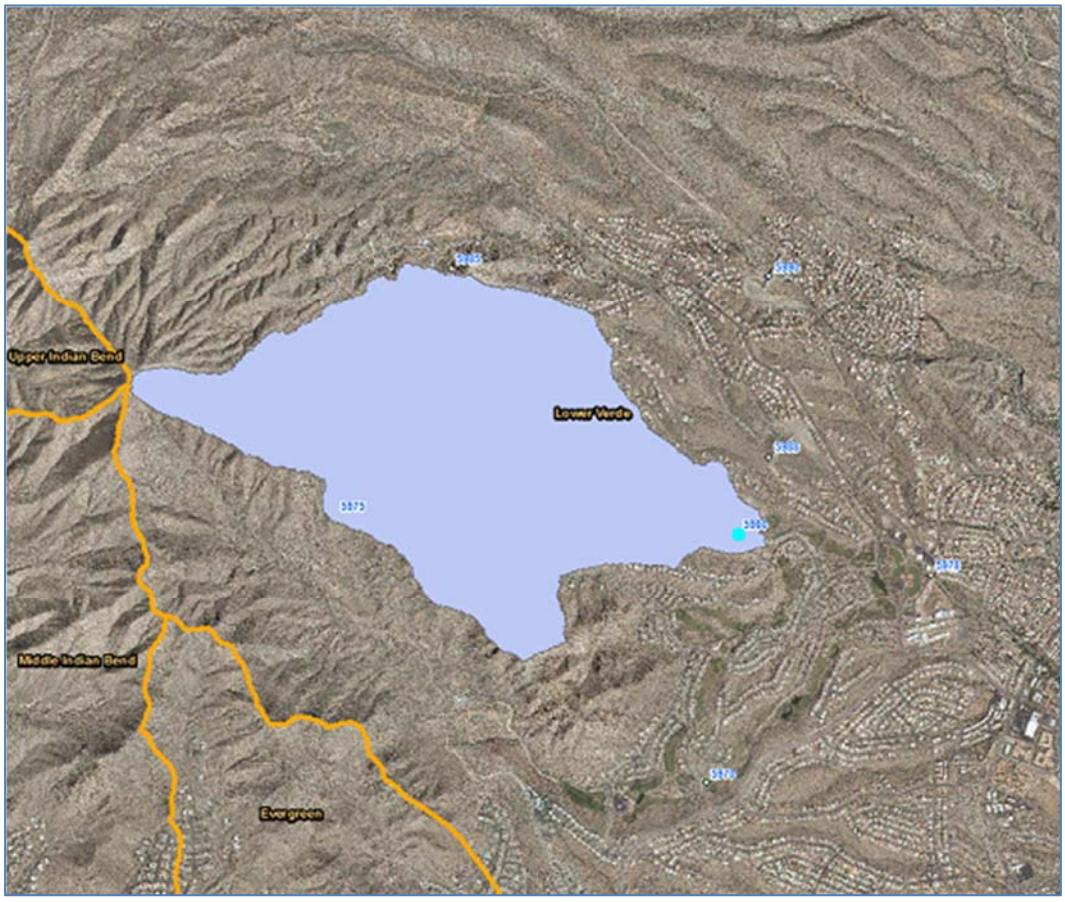
North Heights Dam, ID #78207

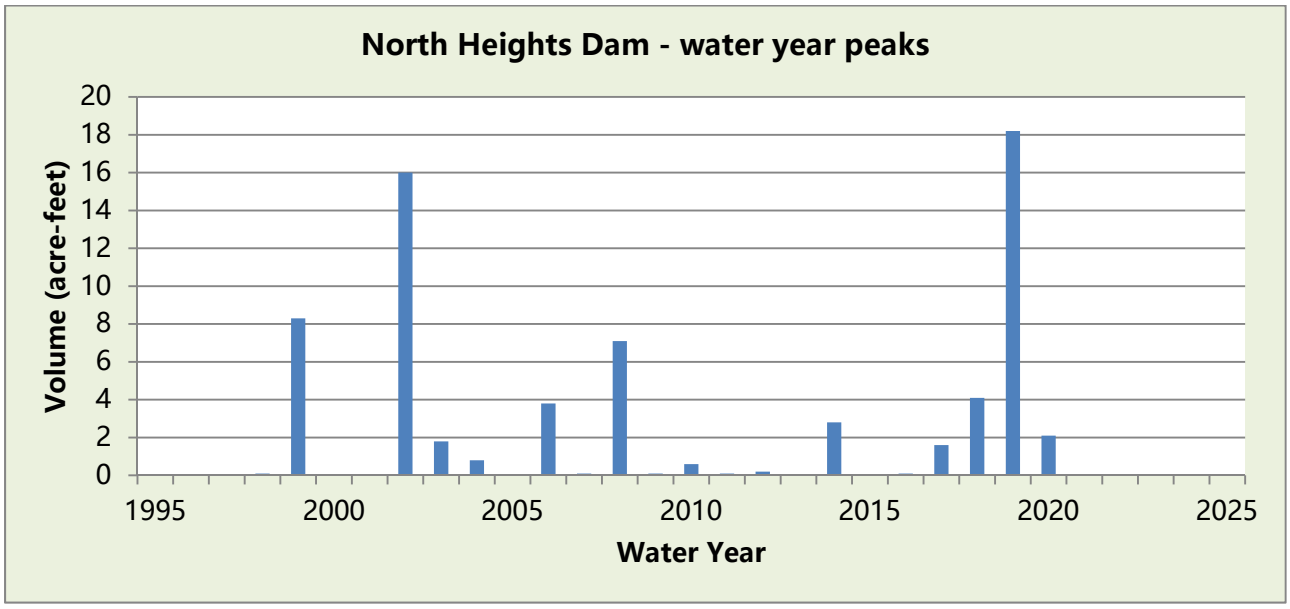


Site Data

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	23.97 Years | 8,756 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

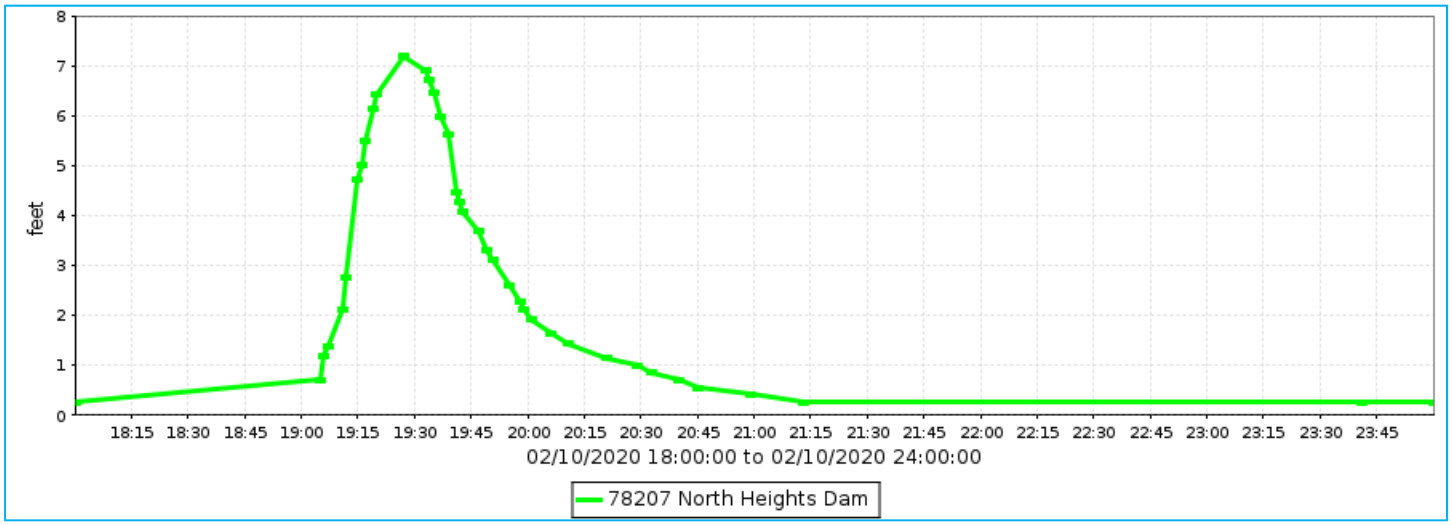




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	1.81	0.1	0.1
02/10/2020	7.19	2.1	1.6

Hydrograph of peak WY 2020 impoundment event, 02/10/2020



North Heights Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					7							
11												
12												
13												
14												
15												
16												
17												
18												
19												
20		---										
21		---										
22												
23												
24												
25												
26												
27												
28												
29		2										
30					---							
31		---			---		---		---			---
TOTAL	0	2	0	0	4	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	27	0	0	129	5	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	4	0	0	7	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 6 MEAN 0 MAX 129 MIN 0 AC_FT 12

North Heights Dam, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

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	2	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 2 MIN 0

North Heights Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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
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	0.6	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	0.3	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
21	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	0.4	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	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	1.8	0.2	0.2	7.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2
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 2020 MEAN 0.25 MAX 7.19 MIN 0.25

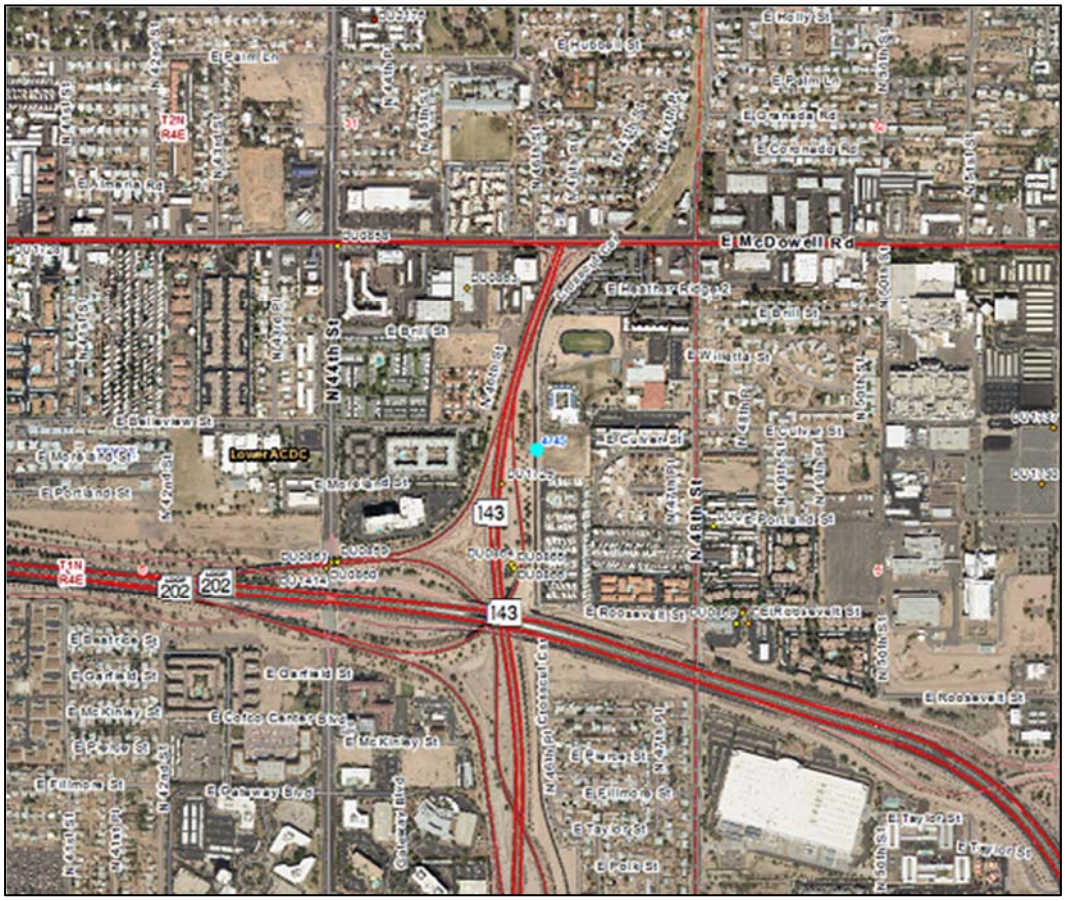
Old Crosscut Canal near McDowell Road, ID #4707

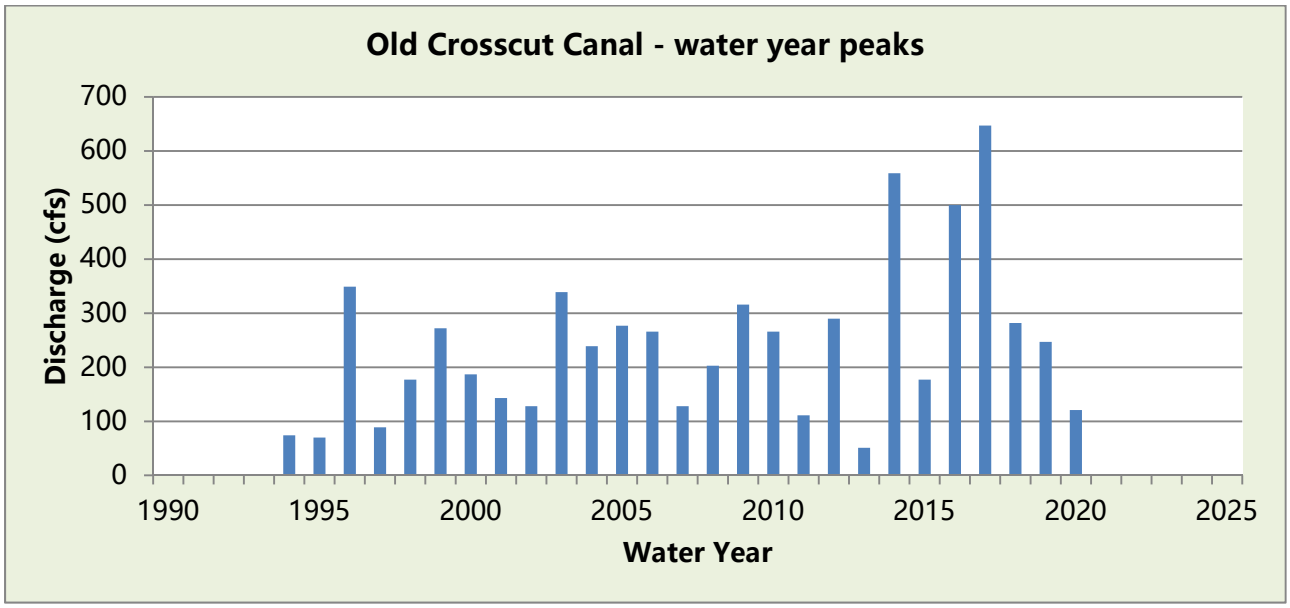


Site Data

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	26.18 Years | 9,563 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*)

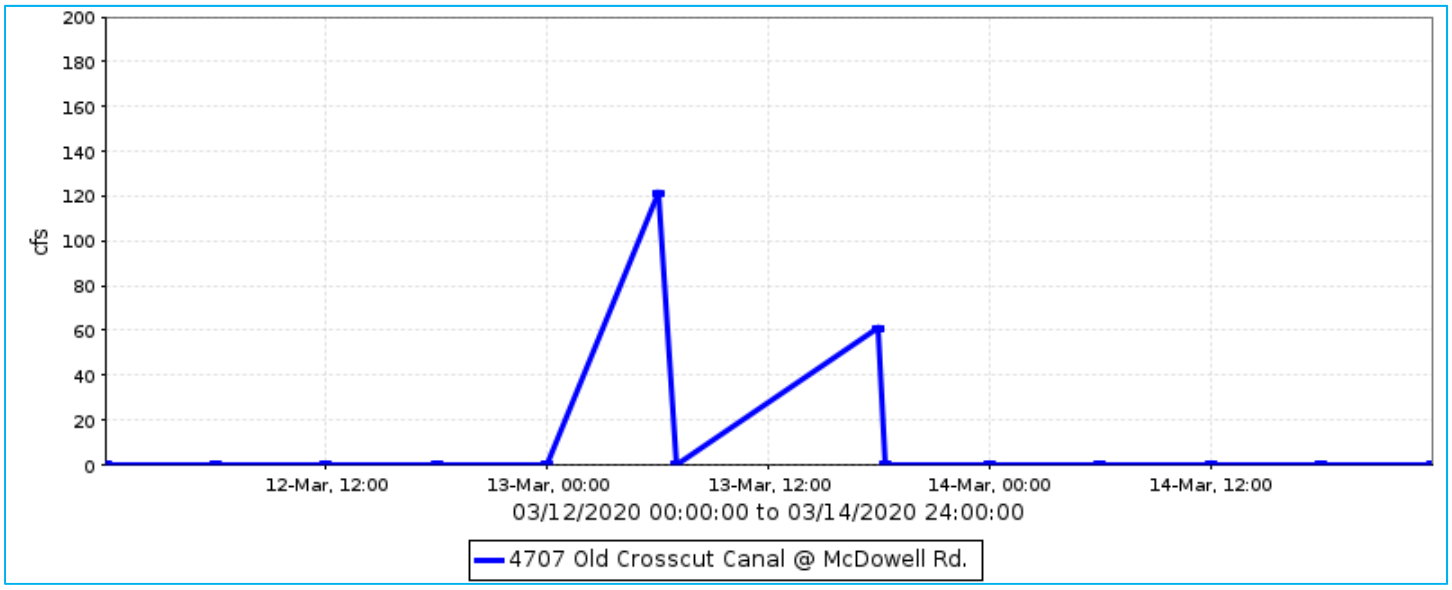




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/29/2019	0.49	52
02/22/2020	0.37	36
03/11/2020	0.32	30
03/13/2020	0.94	121
03/13/2020	0.57	61
03/18/2020	0.24	24

Hydrograph of peak WY 2020 flow event, 03/13/2020



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6					11							
7												
8												
9												
10												
11												
12												
13						6						
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		2										
30					---							
31		---			---		---		---			---
TOTAL	0	2	0	0	11	6	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	52	0	0	46	121	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	4	0	0	23	12	0	0	0	0	0	0

WTR YR 2020 TOTAL 19 MEAN 0 MAX 121 MIN 0 AC_FT 39

NOTE: There is often a persistent base flow at this site due to SRP releases upstream, and ground water flow into the canal upstream.

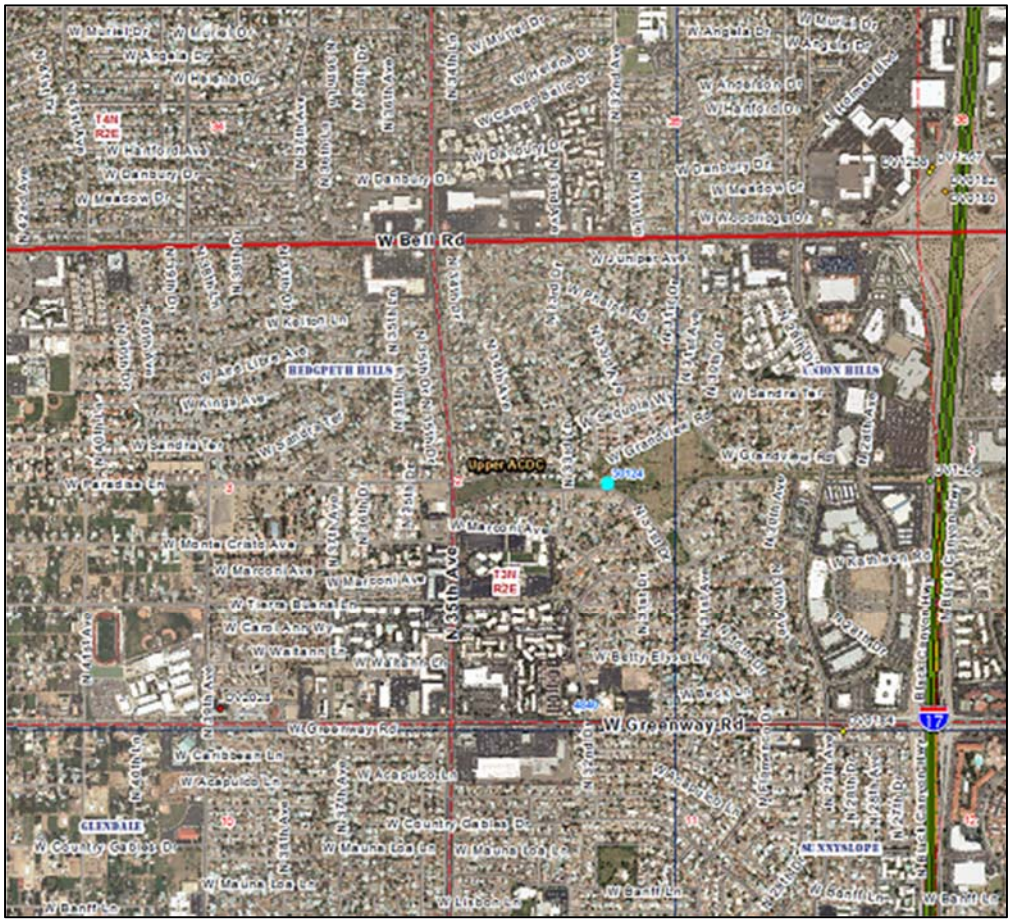
Paradise Lane at 33rd Drive Basin, ID #12407

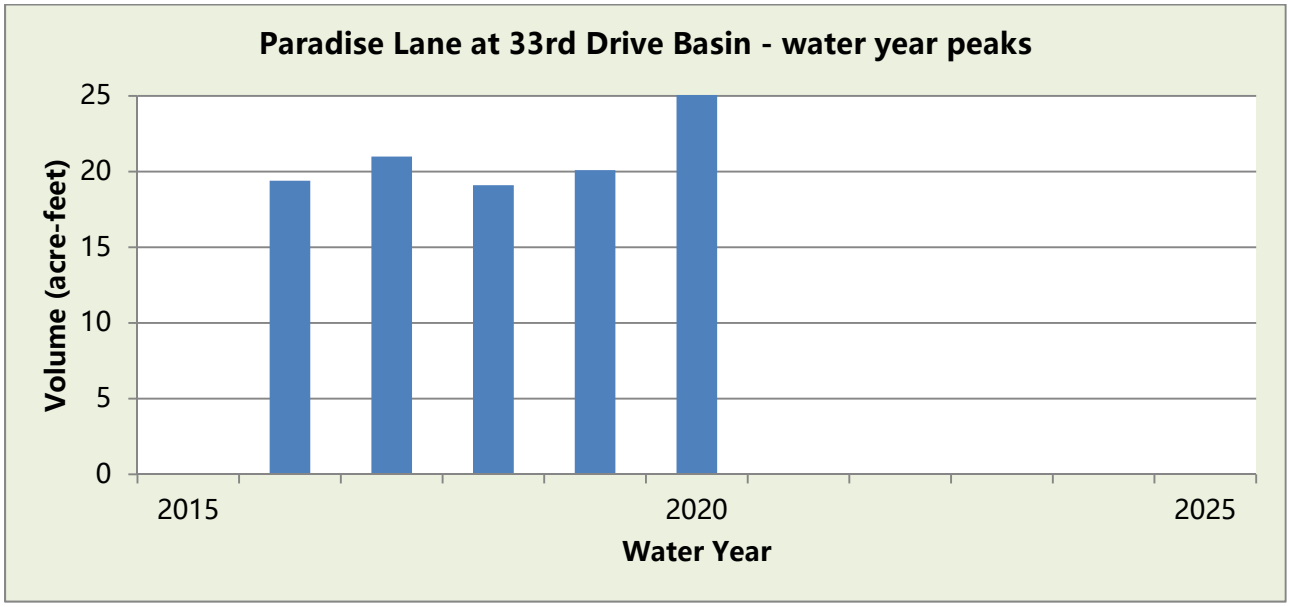


Site Data

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	4.98 Years | 1,820 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

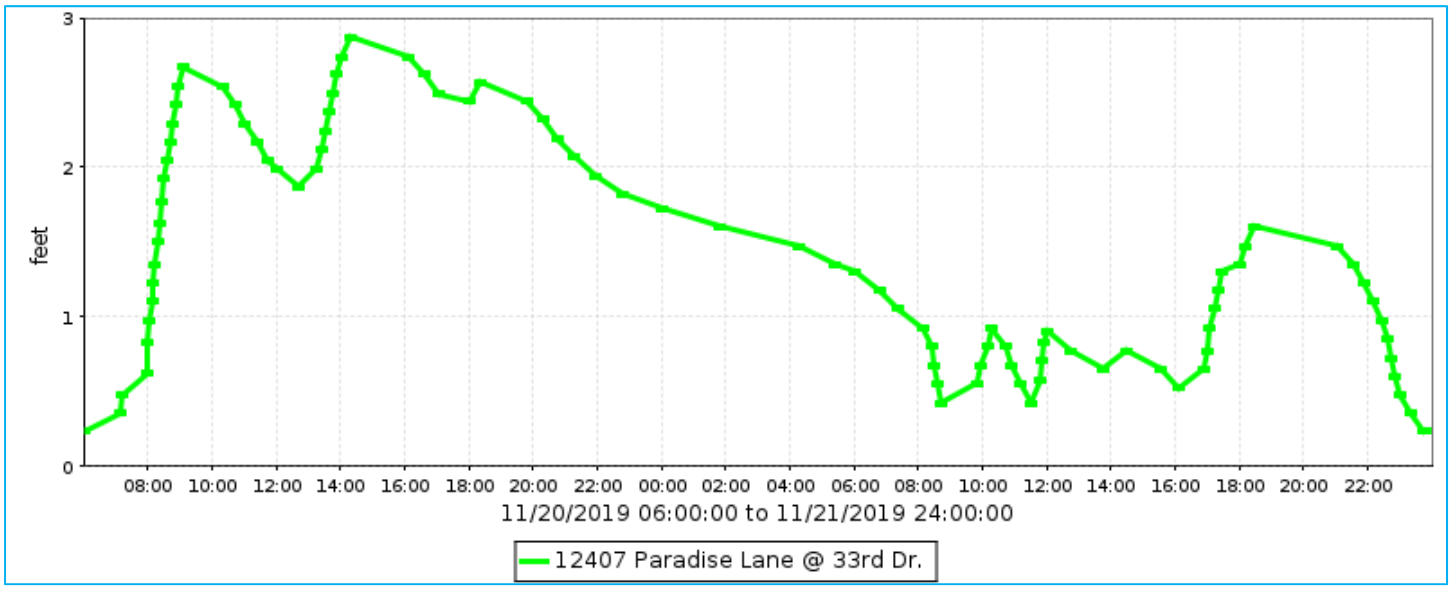




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/06/2019	0.95	6.8	8.0
11/19/2019	0.60	4.0	4.7
11/20/2019	2.87	28.5	33.8
11/21/2019	1.60	12.9	15.3
11/29/2019	2.32	21.0	24.9
12/09/2019	1.40	10.9	12.9
12/24/2019	1.02	7.4	8.7
12/25/2019	1.97	16.9	19.9
12/27/2019	1.30	10.0	11.8
02/11/2020	1.84	15.5	18.3
02/22/2020	1.99	17.1	20.2
03/11/2020	0.97	7.0	8.2
03/12/2020	1.87	15.8	18.7
03/12/2020	1.65	13.4	15.9
03/13/2020	1.72	14.2	16.8
03/13/2020	2.19	19.5	23.0
03/18/2020	0.90	6.4	7.6
08/30/2020	0.62	4.2	4.9

Hydrograph of peak WY 2020 impoundment event, 11/20/2019



Paradise Lane at 33rd Drive Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8			2									
9			1									
10					1							
11					7	2						
12						7						
13						11						
14						2						
15												
16												
17												
18						3						
19												
20		16										
21		13			1							
22					6							
23												
24			3									
25			5									
26												
27			2									
28												
29		11										
30					---						1	
31		---			---		---		---			---
TOTAL	0	42	14	0	15	26	0	0	0	0	1	0
MEAN	0	1	0	0	1	1	0	0	0	0	0	0
MAX	0	34	18	0	18	21	0	0	0	1	7	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	82	27	0	29	52	0	0	0	0	1	0

WTR YR 2020 TOTAL 97 MEAN 0 MAX 34 MIN 0 AC_FT 192

Paradise Lane at 33rd Drive Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 0 MAX 29 MIN 0

Paradise Lane at 33rd Drive, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.3	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.3	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.7	0.3	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	0.2	0.2	0.2	0.2	0.2	1.1	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.3	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	0.4	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	1.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	1.1	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	0.7	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	0.2
24	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.6	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	0.4	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	1.1	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	0.3	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	2.9	2.0	0.2	2.0	2.2	0.2	0.2	0.2	0.2	0.6	0.2
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 2020 MEAN 0.25 MAX 2.87 MIN 0.23

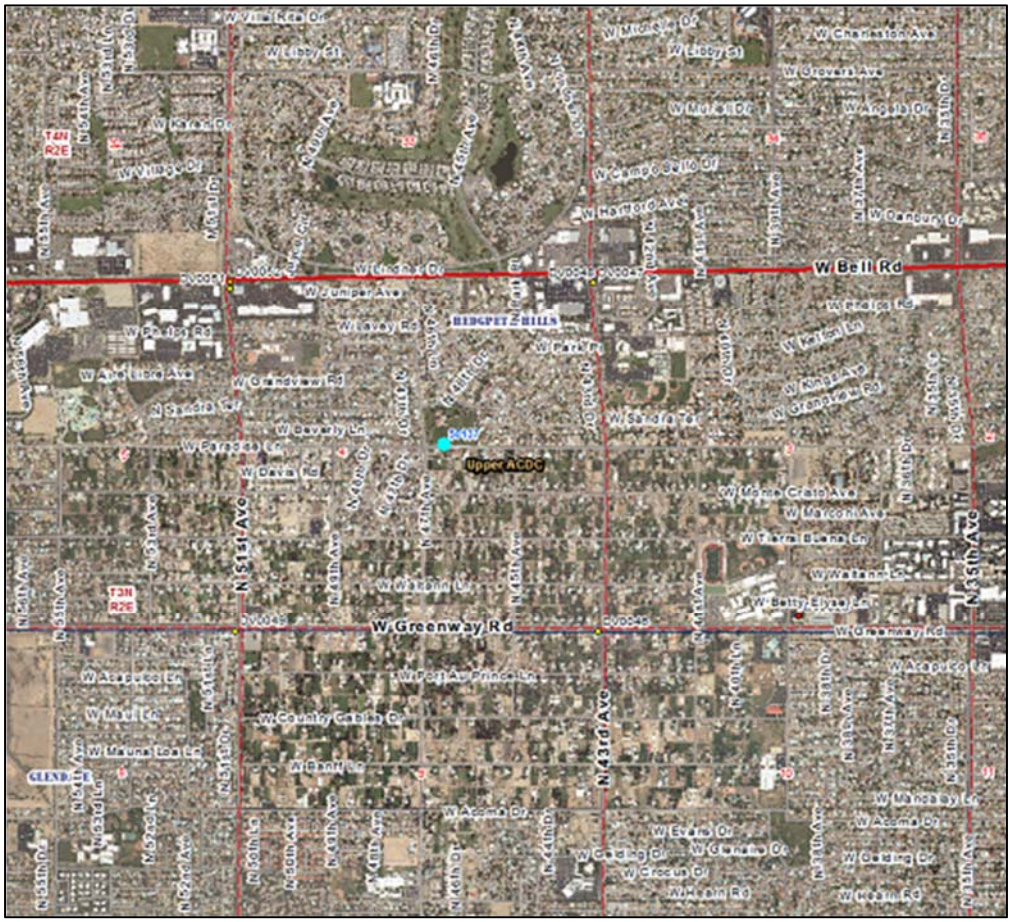
Paradise Lane at 47th Avenue Basin, ID #13707

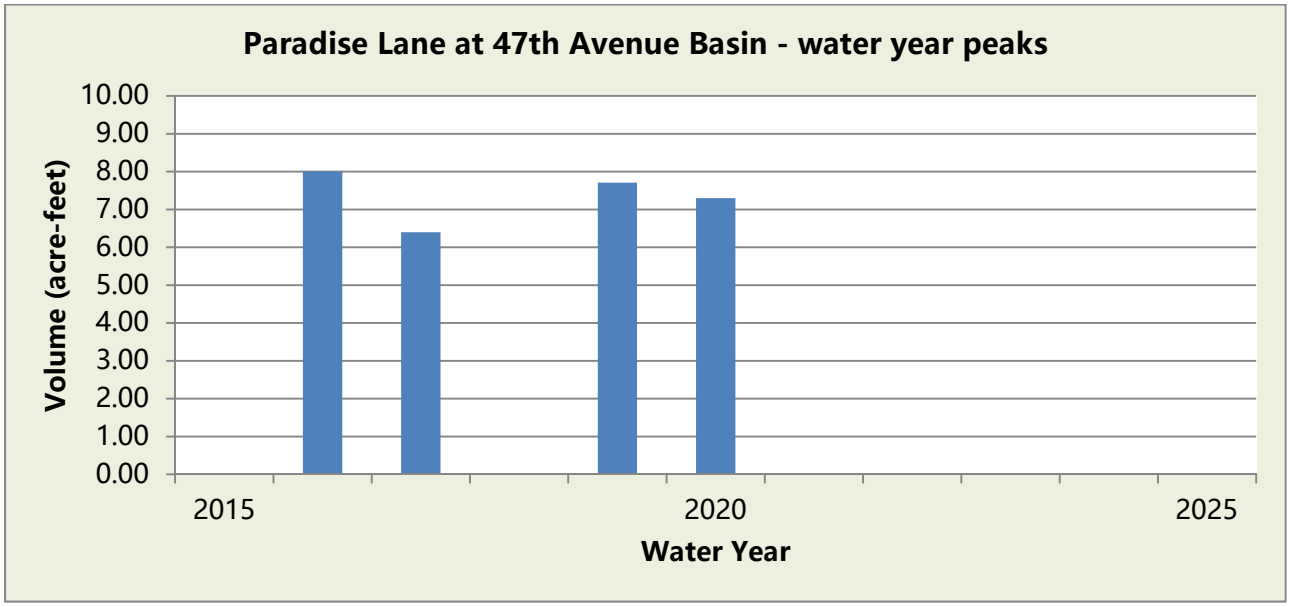


Site Data

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	4.98 Years | 1,820 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

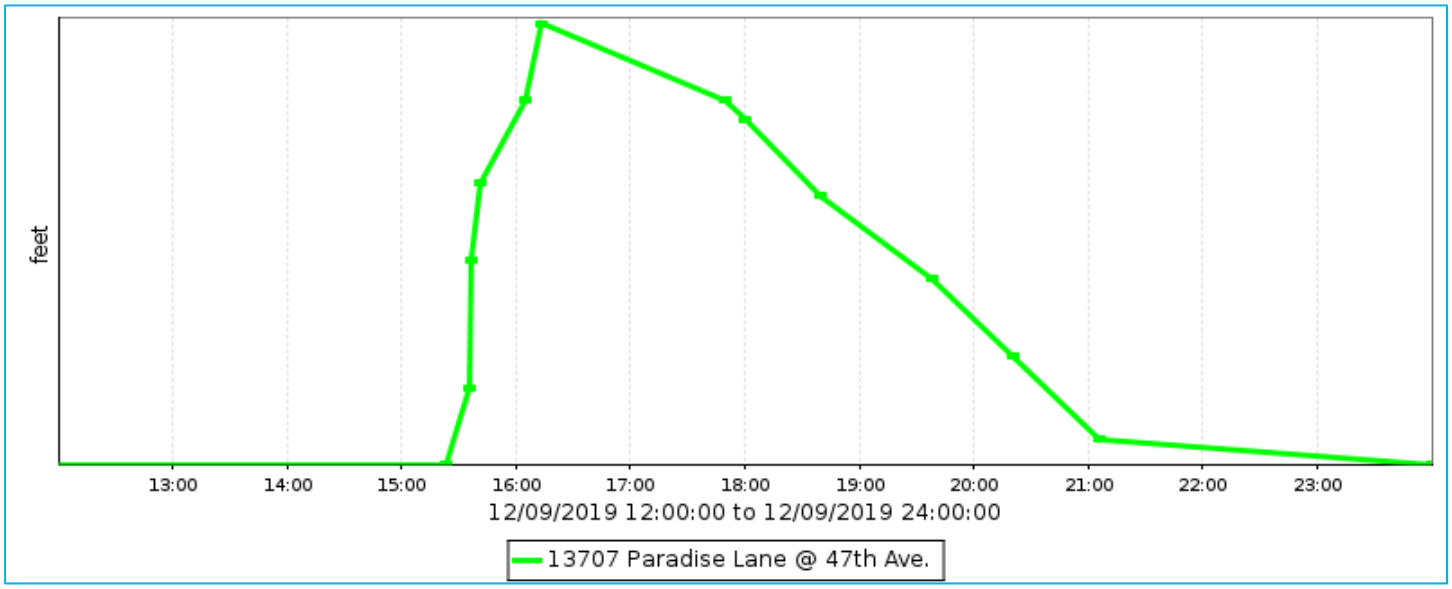




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/06/2019	0.39	3.7	8.0
11/19/2019	0.34	3.3	6.6
11/20/2019	0.52	4.8	11.5
11/20/2019	0.47	4.4	10.3
11/29/2019	0.49	4.5	10.8
12/07/2019	0.37	3.6	7.5
12/09/2019	0.79	7.3	17.5
12/24/2019	0.37	3.6	7.5
12/27/2019	0.34	3.3	6.6
02/11/2020	0.49	4.5	10.8
02/22/2020	0.54	5.0	12.0
03/12/2020	0.62	5.7	13.8
03/13/2020	0.64	5.9	14.2
03/13/2020	0.42	4.0	8.9
03/18/2020	0.34	3.3	6.6
03/18/2020	0.42	4.0	8.9
08/30/2020	0.22	2.4	3.3

Hydrograph of peak WY 2020 impoundment event, 12/09/2019



Paradise Lane at 47th Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

NOTE: There is currently no discharge rating at this location.

Paradise Lane at 47th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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			1									
10												
11					1							
12						1						
13						1						
14												
15												
16												
17												
18						1						
19												
20		2										
21												
22					1							
23												
24												
25												
26												
27												
28												
29		1										
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	5	7	0	5	6	0	0	0	0	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 7 MIN 0

Paradise Lane at 47th Avenue Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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	0.2	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	0.2	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	0.2	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	0.2	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	0.1
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	0.1	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	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	0.1	0.5	0.8	0.1	0.5	0.6	0.1	0.1	0.1	0.1	0.2	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 2020 MEAN 0.10 MAX 0.79 MIN 0.10

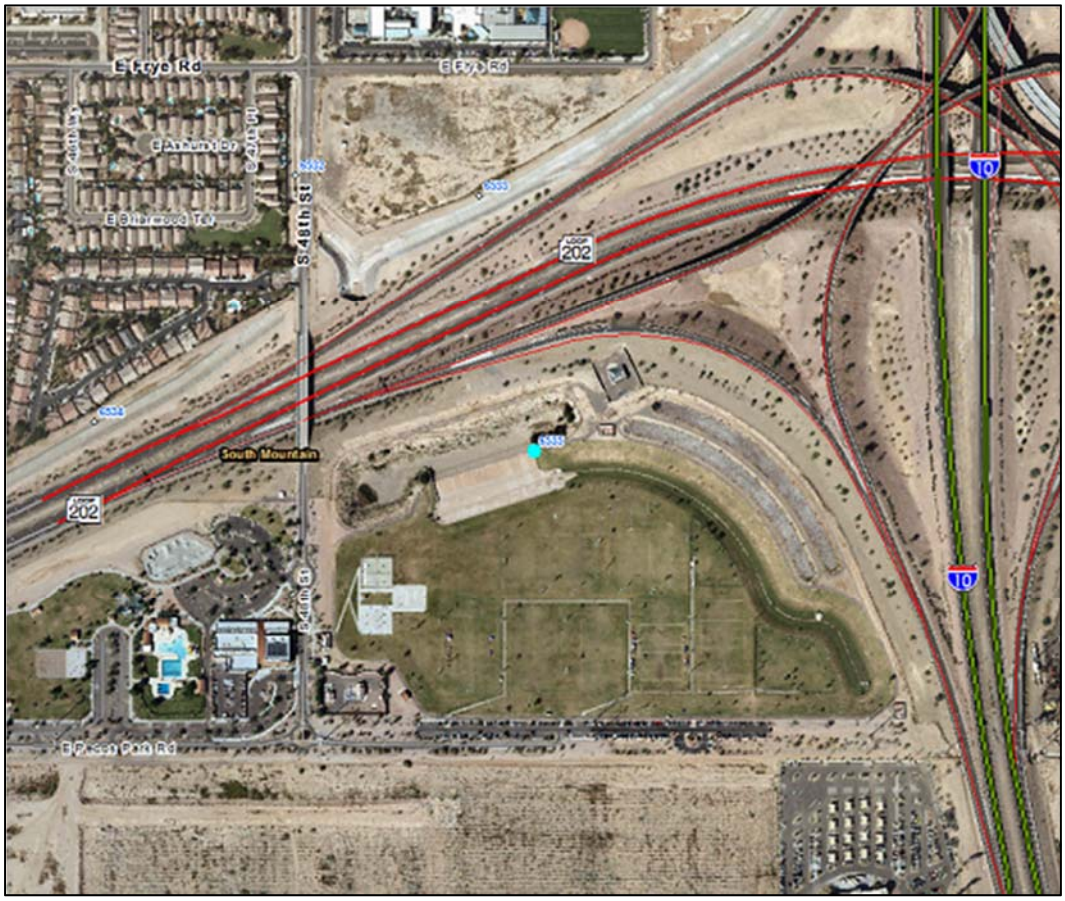
Pecos Sediment Basin, ID #70007

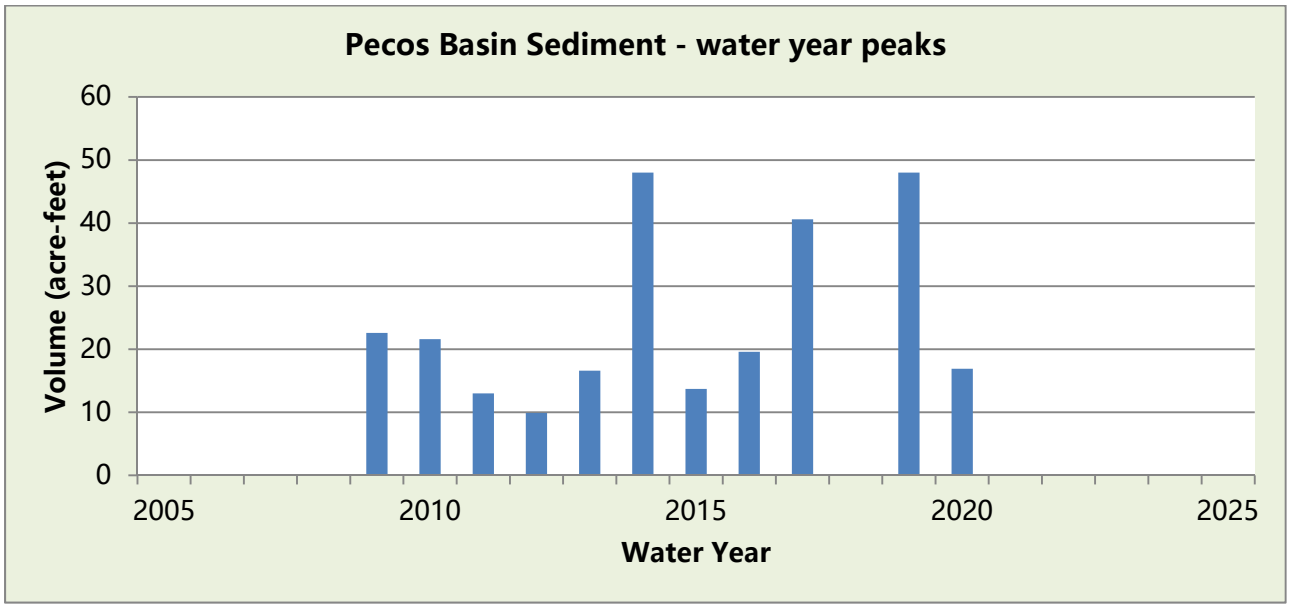


Site Data

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	11.73 Years | 4,286 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

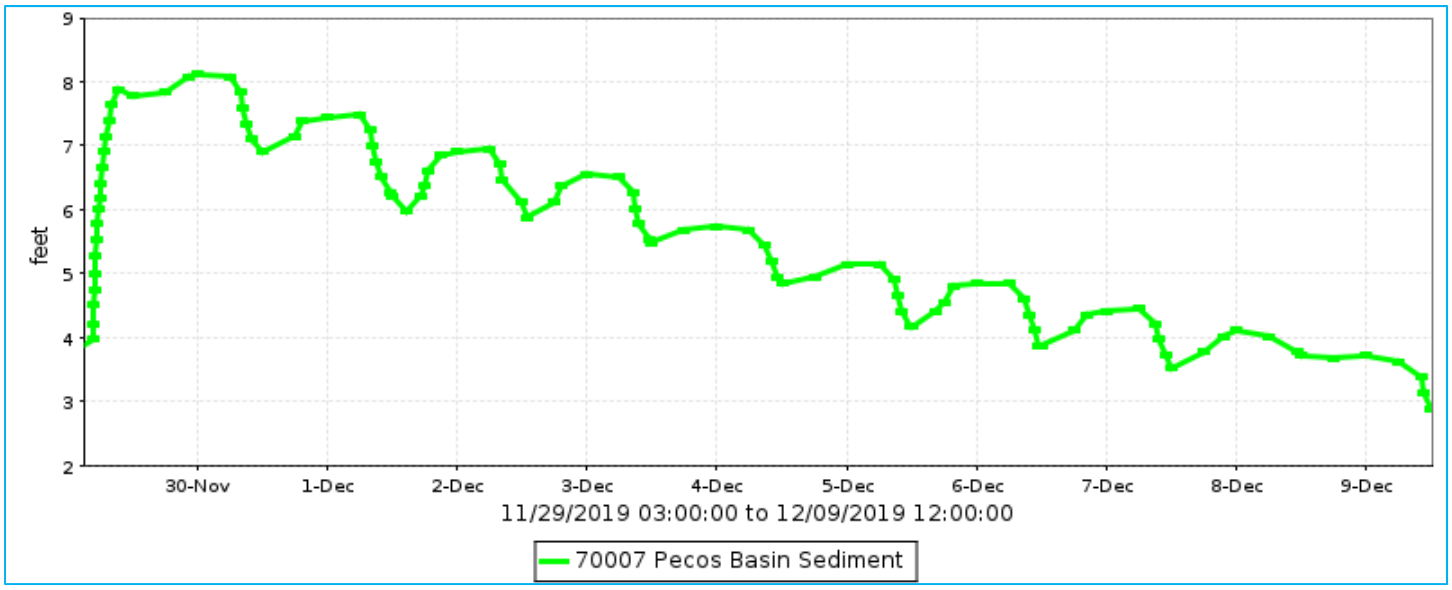




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/22/2019	6.32	12.6	27.6
11/30/2019	8.13	16.9	36.9
12/10/2019	4.61	8.9	19.4
12/29/2019	3.92	7.4	16.3
02/12/2020	2.00	3.6	7.7
02/23/2020	8.54	18.0	39.2
03/13/2020	5.95	11.8	25.7
03/19/2020	4.59	8.9	19.3

Hydrograph of peak WY 2020 impoundment event, 11/30/2019



Pecos Sediment Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			11		---							
2			9		---							
3			4		---							
4												
5												
6												
7												
8												
9												
10												
11												
12												
13						1						
14												
15												
16												
17												
18												
19												
20												
21		2										
22		4			9							
23		2			18							
24					14							
25					10							
26					5							
27					2							
28												
29		13										
30		16		---	---							
31		---		---	---		---		---			---
TOTAL	0	37	25	0	59	1	0	0	0	0	0	0
MEAN	0	1	1	0	2	0	0	0	0	0	0	0
MAX	0	19	16	0	20	5	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	73	49	0	118	2	0	0	0	0	0	0

WTR YR 2020 TOTAL 122 MEAN 0 MAX 20 MIN 0 AC_FT 242

Pecos Sediment Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 1 MAX 18 MIN 0

Pecos Sediment Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.5	6.8	1.5	---	3.7	1.5	1.5	1.5	1.5	1.5	1.5
2	1.5	1.5	6.4	1.5	---	3.3	1.5	1.5	1.5	1.5	1.5	1.5
3	1.5	1.5	6.0	1.5	---	2.7	1.5	1.5	1.5	1.5	1.5	1.5
4	1.5	1.5	5.2	1.5	1.5	2.2	1.5	1.5	1.5	1.5	1.5	1.5
5	1.5	1.5	4.7	1.5	1.6	1.8	1.5	1.5	1.5	1.5	1.5	1.5
6	1.5	1.5	4.4	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7	1.5	1.5	4.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
8	1.5	1.5	3.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
9	1.5	1.5	3.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
10	1.5	1.5	4.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
11	1.5	1.5	3.6	1.5	1.5	2.6	1.5	1.5	1.5	1.5	1.5	1.5
12	1.5	1.5	3.2	1.5	1.5	4.3	1.5	1.5	1.5	1.5	1.5	1.5
13	1.5	1.5	2.8	1.5	1.5	5.5	1.5	1.5	1.5	1.5	1.5	1.5
14	1.5	1.5	2.3	1.5	1.5	5.0	1.5	1.5	1.5	1.5	1.5	1.5
15	1.5	1.5	2.2	1.5	1.5	4.5	1.5	1.5	1.5	1.5	1.5	1.5
16	1.5	1.5	2.3	1.5	1.5	4.0	1.5	1.5	1.5	1.5	1.5	1.5
17	1.5	1.5	2.4	1.5	1.5	3.6	1.5	1.5	1.5	1.5	1.5	1.5
18	1.5	1.5	2.4	1.5	1.5	3.7	1.5	1.5	1.5	1.5	1.5	1.5
19	1.5	1.5	2.4	1.5	1.5	4.2	1.5	1.5	1.5	1.5	1.5	1.5
20	1.5	3.3	2.4	1.5	1.5	3.6	1.5	1.5	1.5	1.5	1.5	1.5
21	1.5	5.4	2.3	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5
22	1.5	5.9	2.3	1.5	5.2	2.5	1.5	1.5	1.5	1.5	1.5	1.5
23	1.5	5.5	2.4	1.5	7.9	2.0	1.5	1.5	1.5	1.5	1.5	1.5
24	1.5	5.1	2.4	1.5	7.3	1.7	1.5	1.5	1.5	1.5	1.5	1.5
25	1.5	4.9	2.5	1.5	6.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5
26	1.5	4.5	2.5	1.5	6.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
27	1.5	4.3	3.2	1.5	5.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
28	1.5	3.8	3.5	1.5	4.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
29	1.5	6.8	3.5	1.5	4.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
30	1.5	7.5	3.6	---	---	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	---
MEAN	1.5	2.8	3.4	1.5	2.9	2.6	1.5	1.5	1.5	1.5	1.5	1.5
MAX	1.5	8.1	7.5	1.5	8.5	6.0	1.5	1.5	1.5	1.5	1.5	1.5
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 2020 MEAN 1.95 MAX 8.54 MIN 1.48

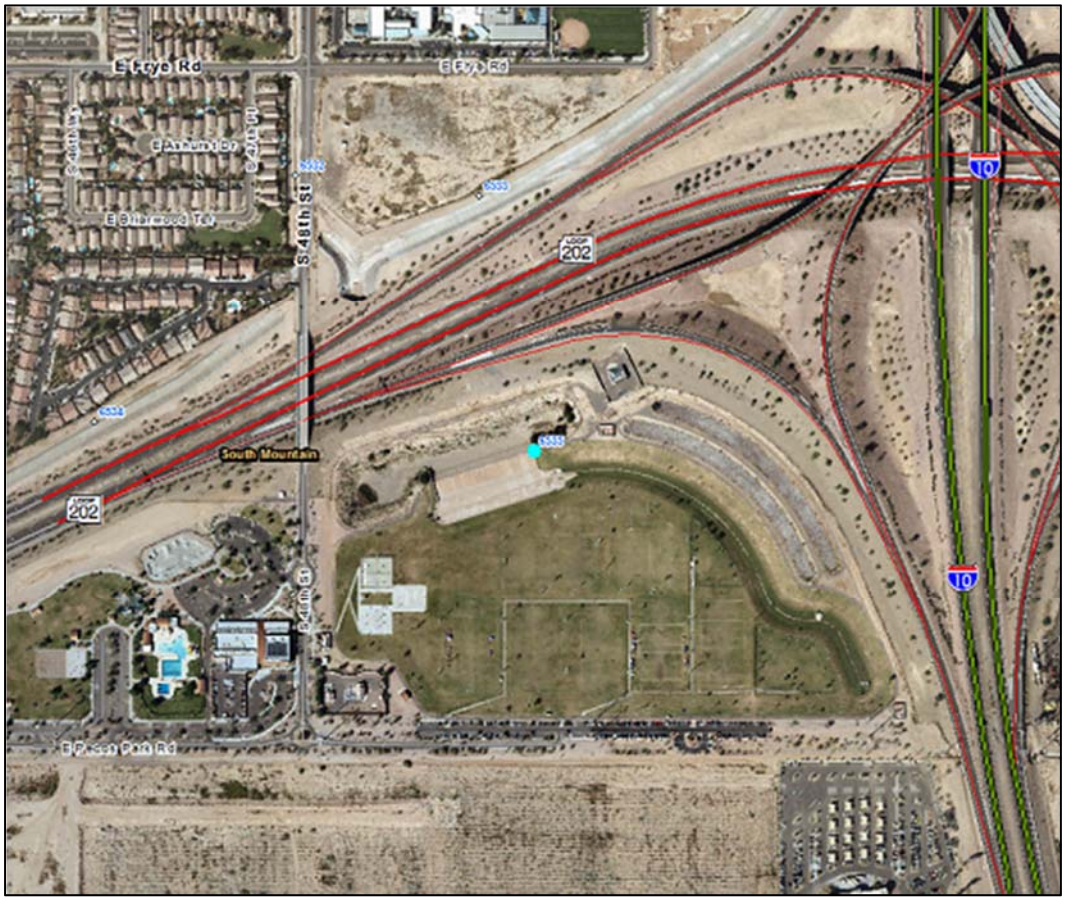
Pecos Basin Pool, ID #70017

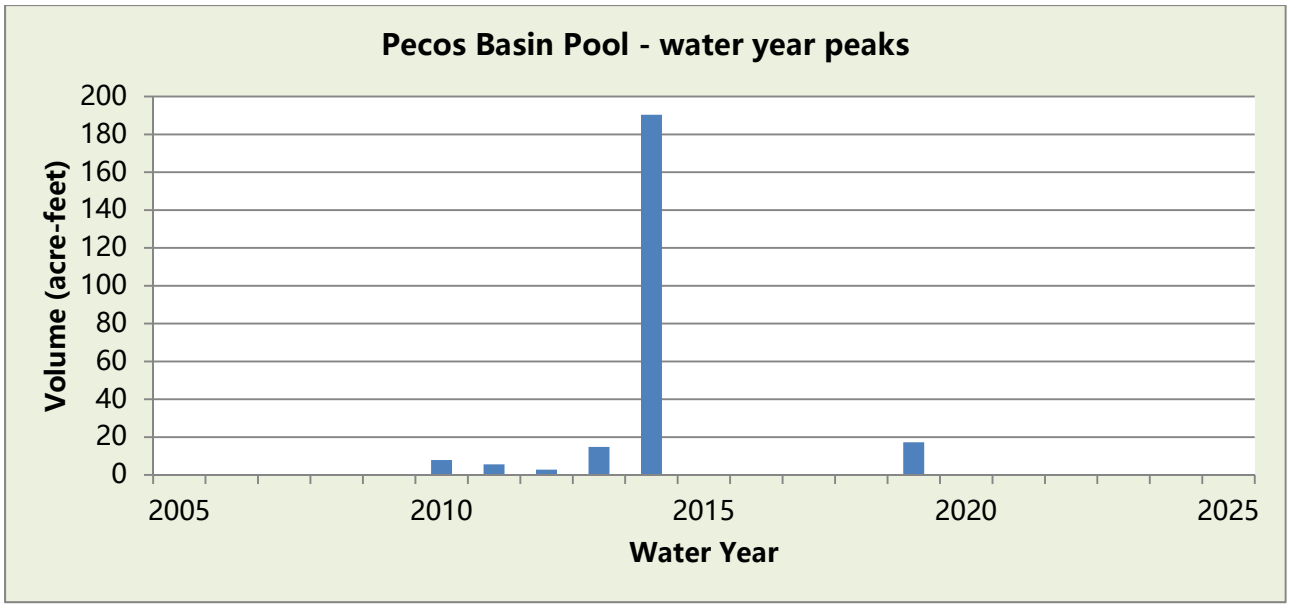


Site Data

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	11.73 Years | 4,286 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





WY2020 Events

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

Hydrograph of peak WY 2020 impoundment event,

No impoundments recorded in Water Year 2020.

Pecos Basin Pool, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Pecos Basin Pool, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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 2020 MEAN 0 MAX 0 MIN 0

Pecos Basin Pool, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
4	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5	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	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
9	6.0	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	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
14	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
15	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
16	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
17	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
18	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
19	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
20	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
21	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
22	6.0	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	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	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
MAX	6.0	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 2020 MEAN 6.05 MAX 6.05 MIN 6.05

Pecos North Inflow, ID #69307

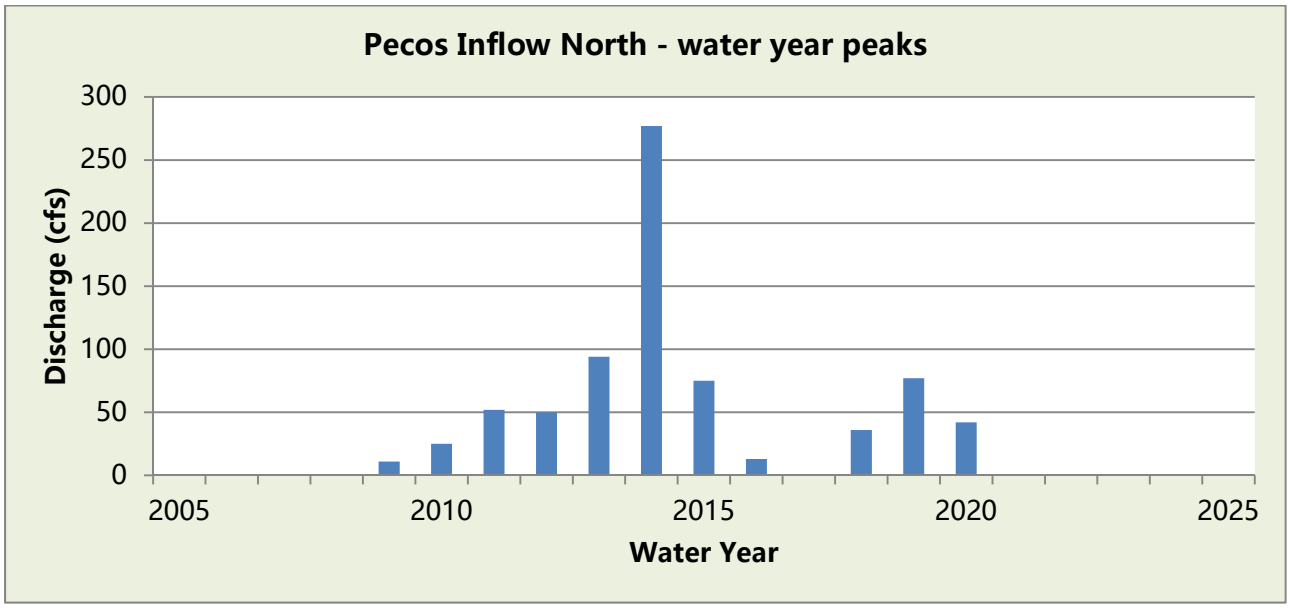


Site Data

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	11.69 Years | 4,271 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)

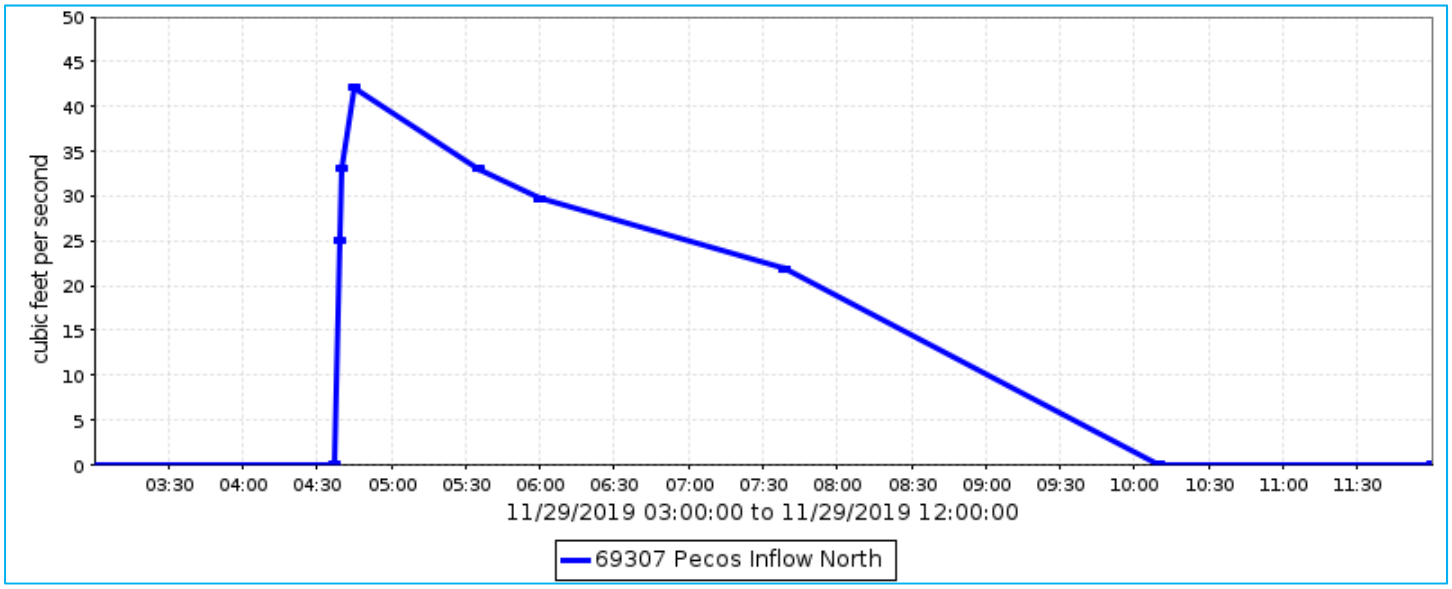




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	0.72	42
11/29/2019	0.72	42
08/20/2020	0.30	14

Hydrograph of peak WY 2020 flow event, 11/29/2019



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 2019 to September 2020

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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11												
12												
13						1						
14												
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16												
17												
18												
19												
20		2										
21												
22												
23												
24												
25												
26												
27												
28												
29		7										
30					---							
31		---			---		---		---			---
TOTAL	0	8	0	0	0	2	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	42	0	0	0	19	0	0	0	0	14	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	17	0	0	0	3	0	0	0	0	1	0

WTR YR 2020 TOTAL 10 MEAN 0 MAX 42 MIN 0 AC_FT 20

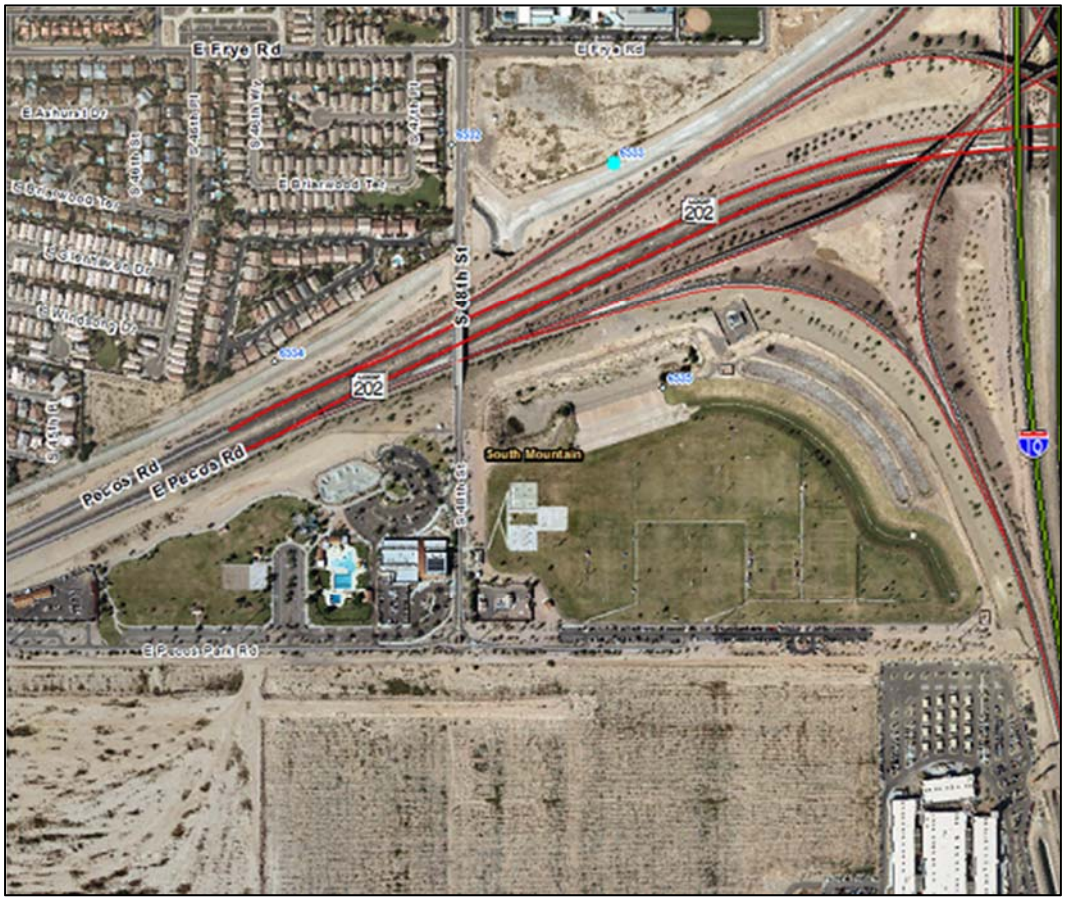
Pecos East Inflow, ID #69507

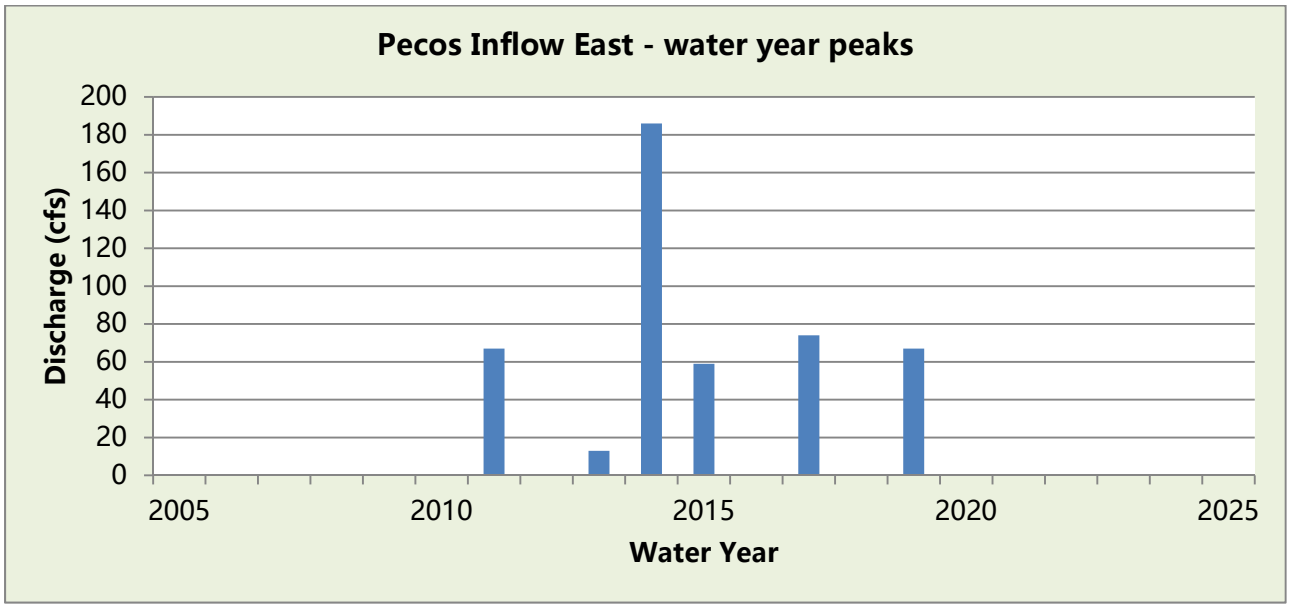


Site Data

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	11.69 Years | 4,271 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
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29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	7	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	28	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	14	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 7 MEAN 0 MAX 28 MIN 0 AC_FT 14

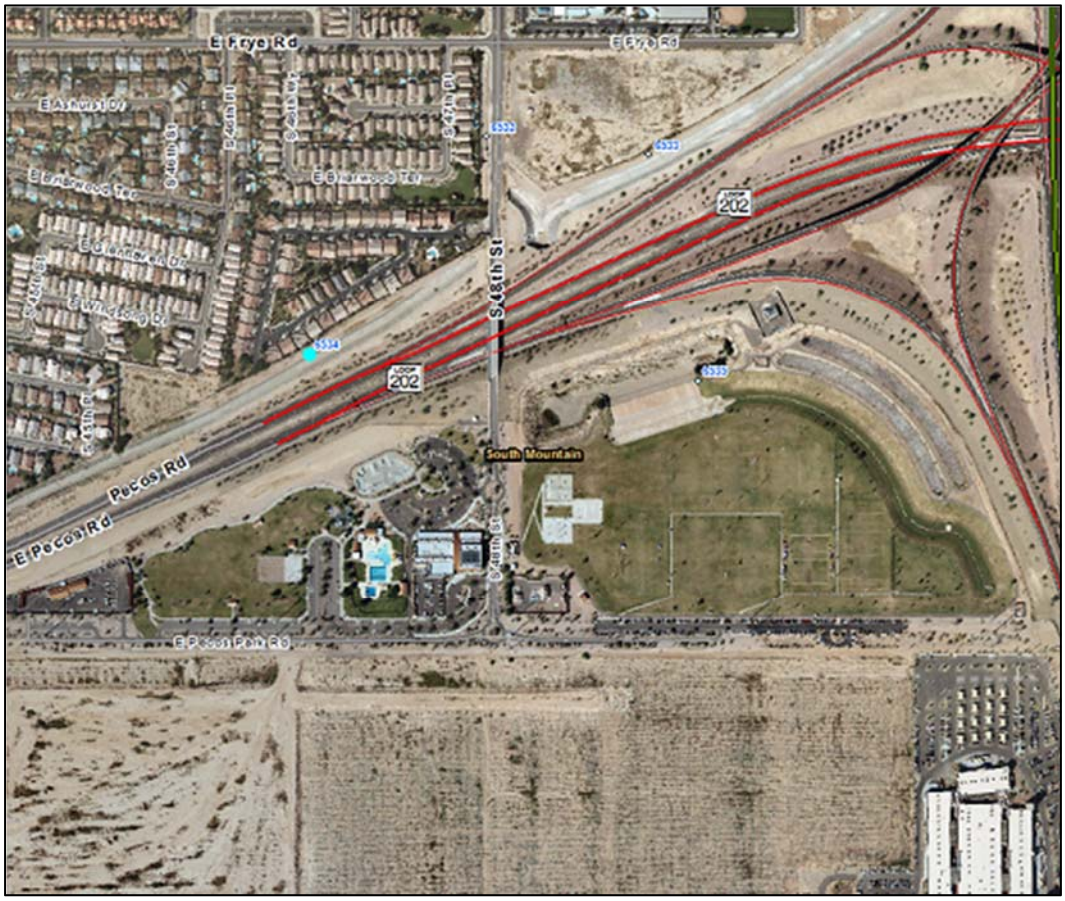
Pecos West Inflow, ID #69807

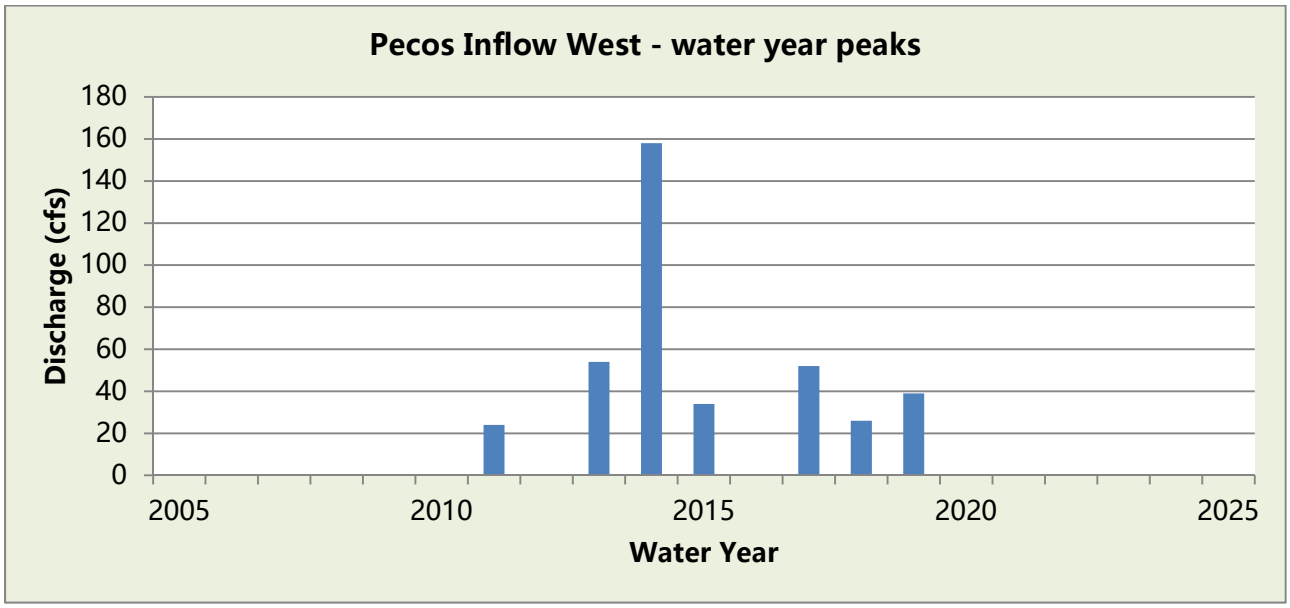


Site Data

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	11.69 Years | 4,271 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Phoenix Dam #2A, ID #8907

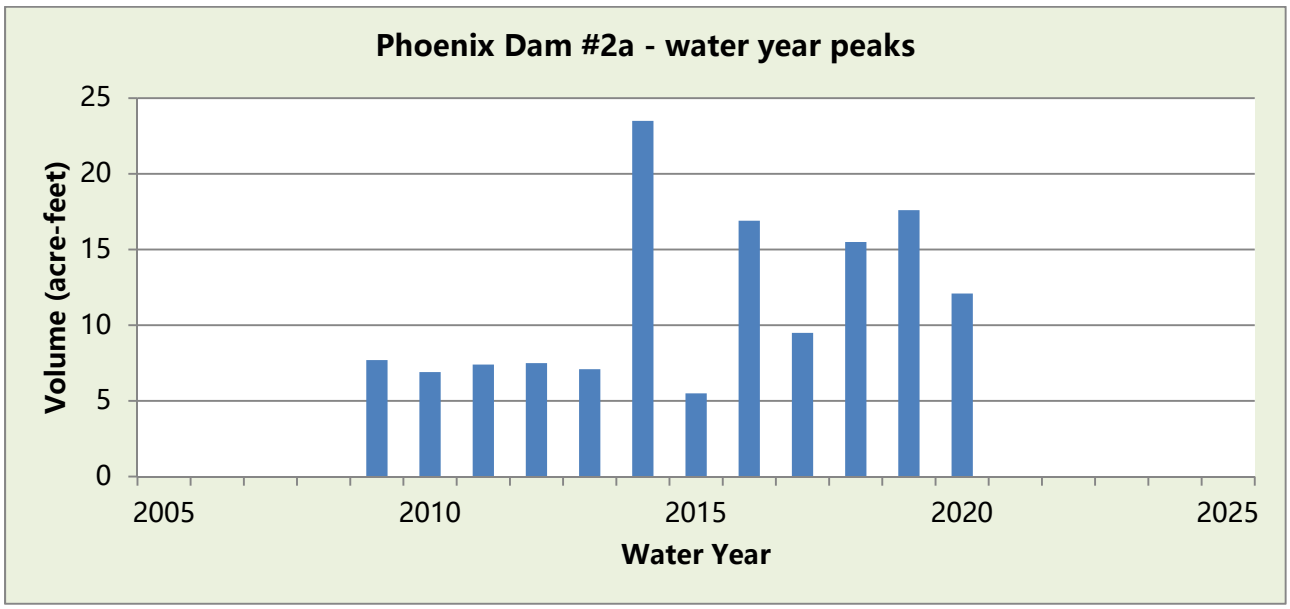


Site Data

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	11.26 Years | 4,112 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

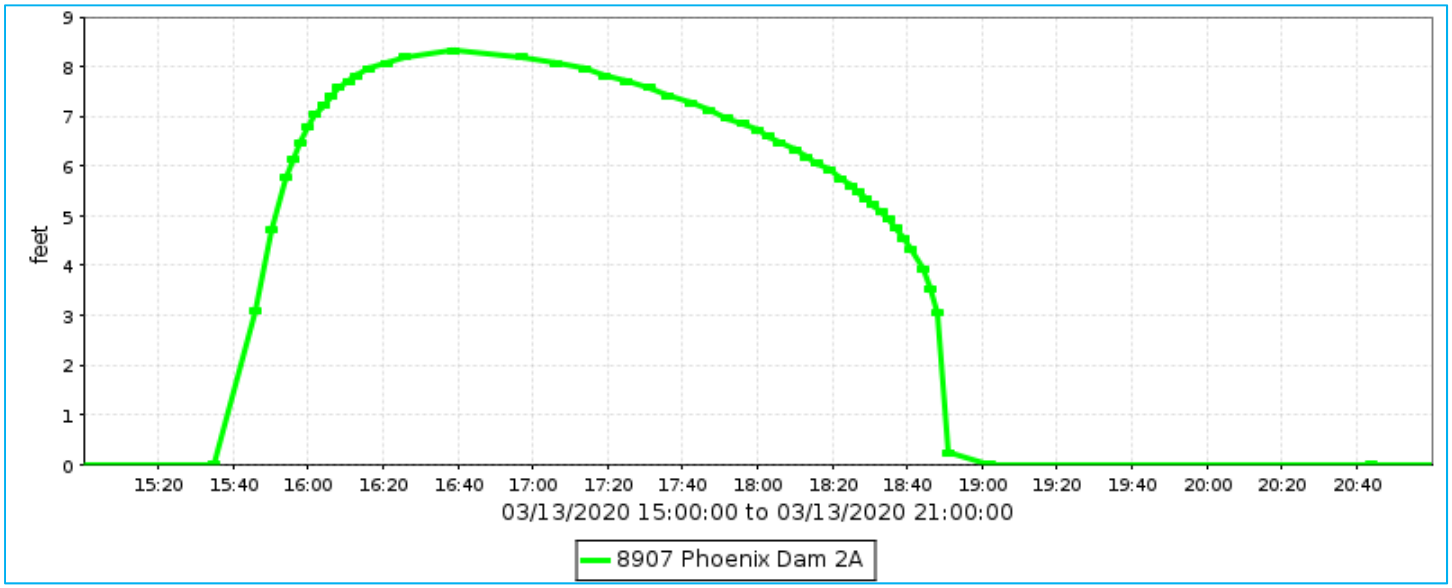




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	0.74	1.6	2.8
11/20/2019	1.42	3.1	5.2
11/29/2019	5.28	7.9	13.2
12/27/2019	0.34	0.7	1.3
02/11/2020	0.37	0.8	1.4
02/22/2020	0.84	1.8	3.1
03/12/2020	1.71	3.5	5.9
03/12/2020	4.11	6.3	10.6
03/13/2020	0.94	2.1	3.5
03/13/2020	8.32	12.1	20.3

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Phoenix Dam #2A, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						1						
13						3						
14												
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23												
24												
25												
26												
27												
28												
29		1										
30					---							
31		---			---		---		---			---
TOTAL	0	2	0	0	0	4	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	21	1	0	2	26	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	3	0	0	0	8	0	0	0	0	0	0

WTR YR 2020 TOTAL 6 MEAN 0 MAX 26 MIN 0 AC_FT 12

Phoenix Dam #2A, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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		1										
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	8	1	0	2	12	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 12 MIN 0

Phoenix Dam #2A, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.2	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	1.0	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	0.1	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	0.1	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	0.4	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	5.3	0.3	0.0	0.8	8.3	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 2020 MEAN 0.00 MAX 8.32 MIN 0.00

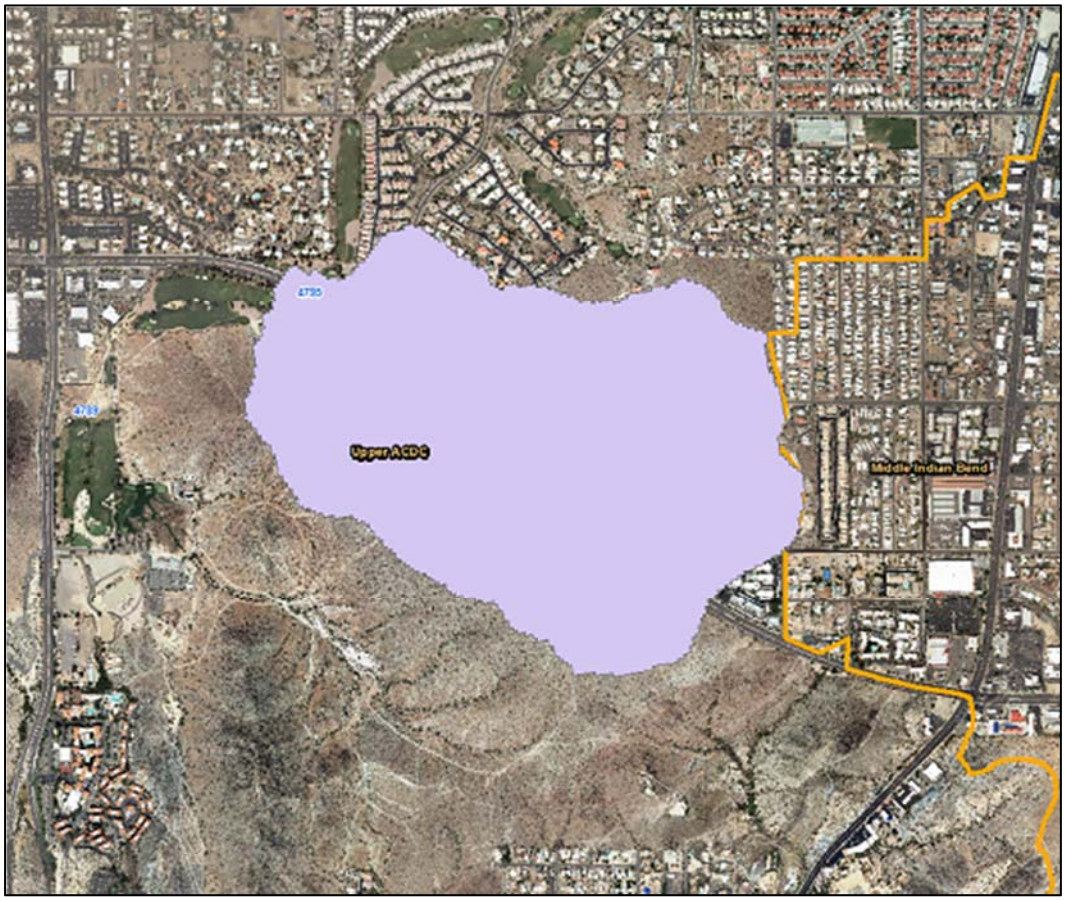
Phoenix Dam #2B, ID #9907

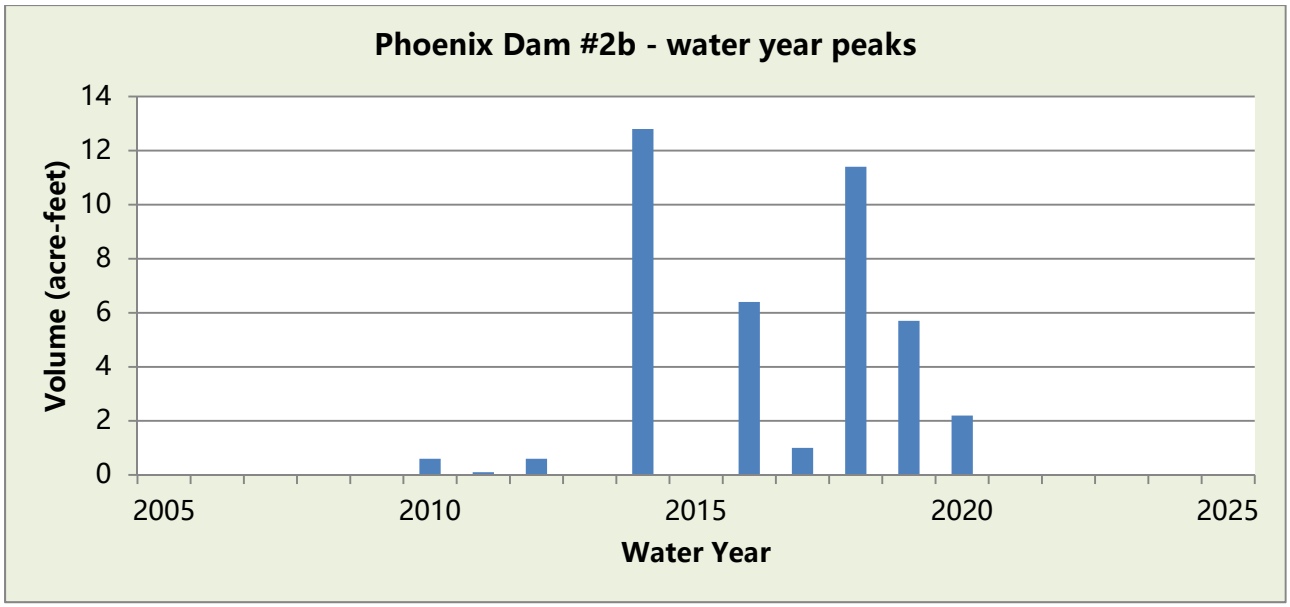


Site Data

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	11.26 Years | 4,111 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

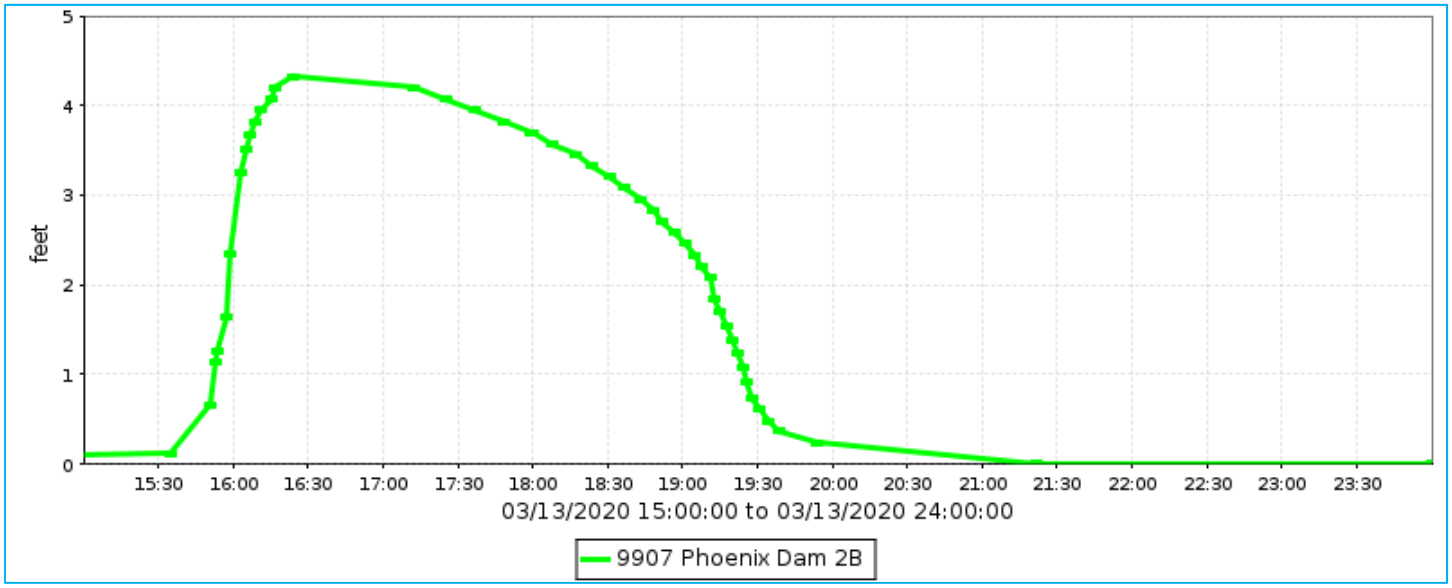




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	0.61	0.1	0.0
02/22/2020	0.38	0.0	0.0
03/12/2020	1.06	0.1	0.3
03/13/2020	1.33	0.3	0.7
03/13/2020	4.32	2.2	4.5

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Phoenix Dam #2B, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						1						
13						3						
14												
15												
16												
17												
18												
19												
20												
21		---										
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---	---		---
TOTAL	0	0	0	0	0	4	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	5	0	0	3	19	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	0	0	1	8	0	0	0	0	0	0

WTR YR 2020 TOTAL 5 MEAN 0 MAX 19 MIN 0 AC_FT 10

Phoenix Dam #2B, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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	2	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 2 MIN 0

Phoenix Dam #2B, stage data

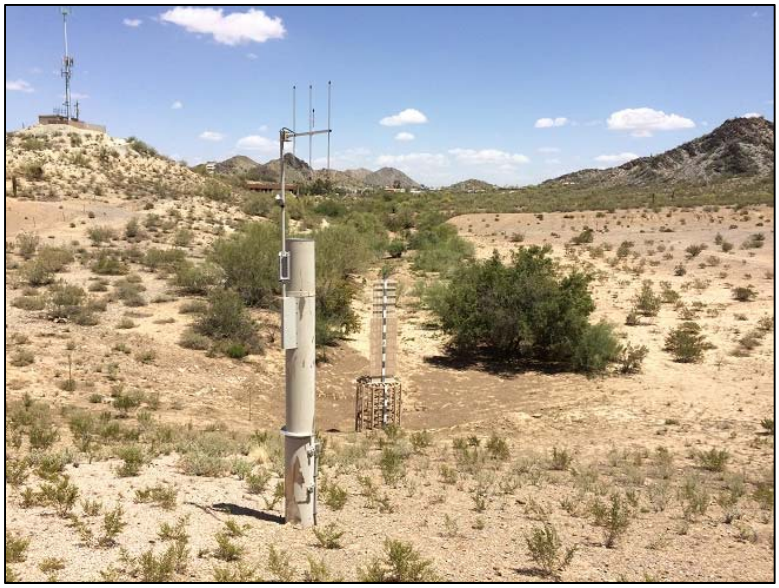
Depth, in feet, Water Year October 2019 to September 2020

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	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.7	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
22	0.0	0.0	0.0	0.0	0.1	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	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	---
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	0.6	0.0	0.0	0.4	4.3	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 2020 MEAN 0.00 MAX 4.32 MIN 0.00

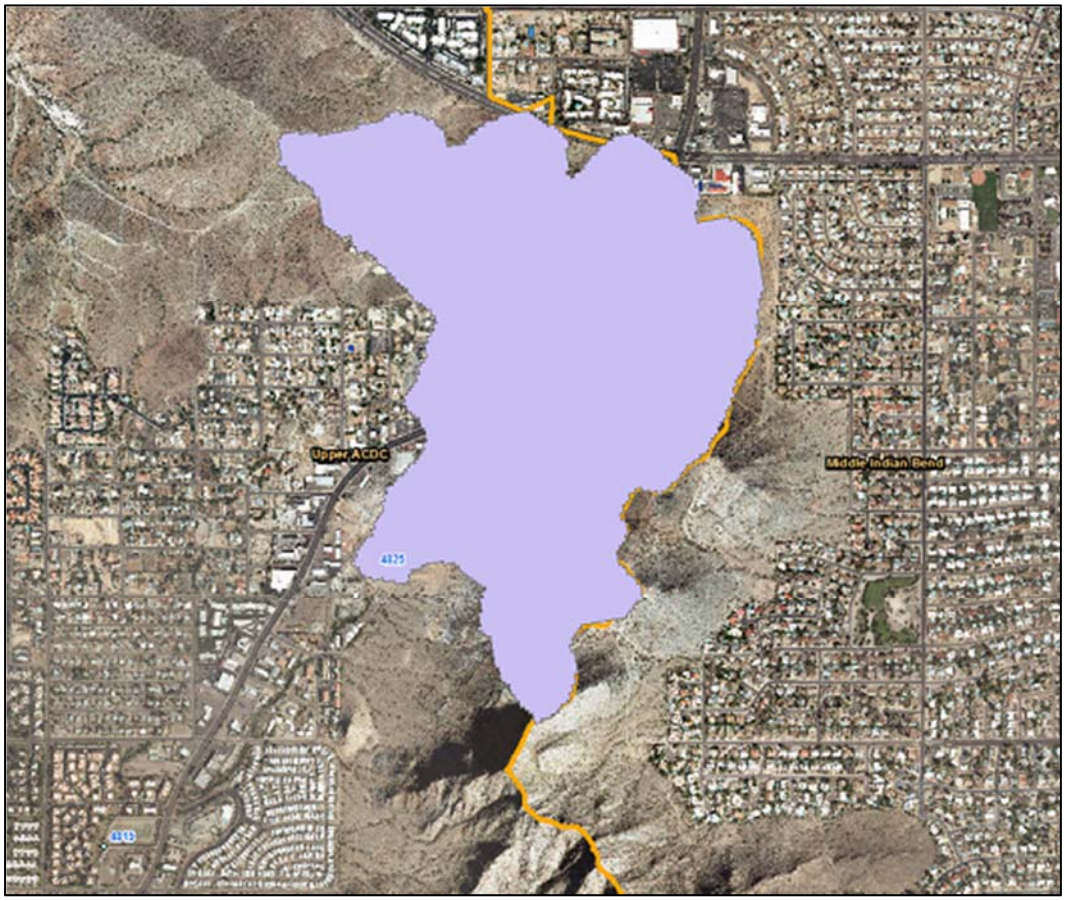
Phoenix Dam #3, ID #11507

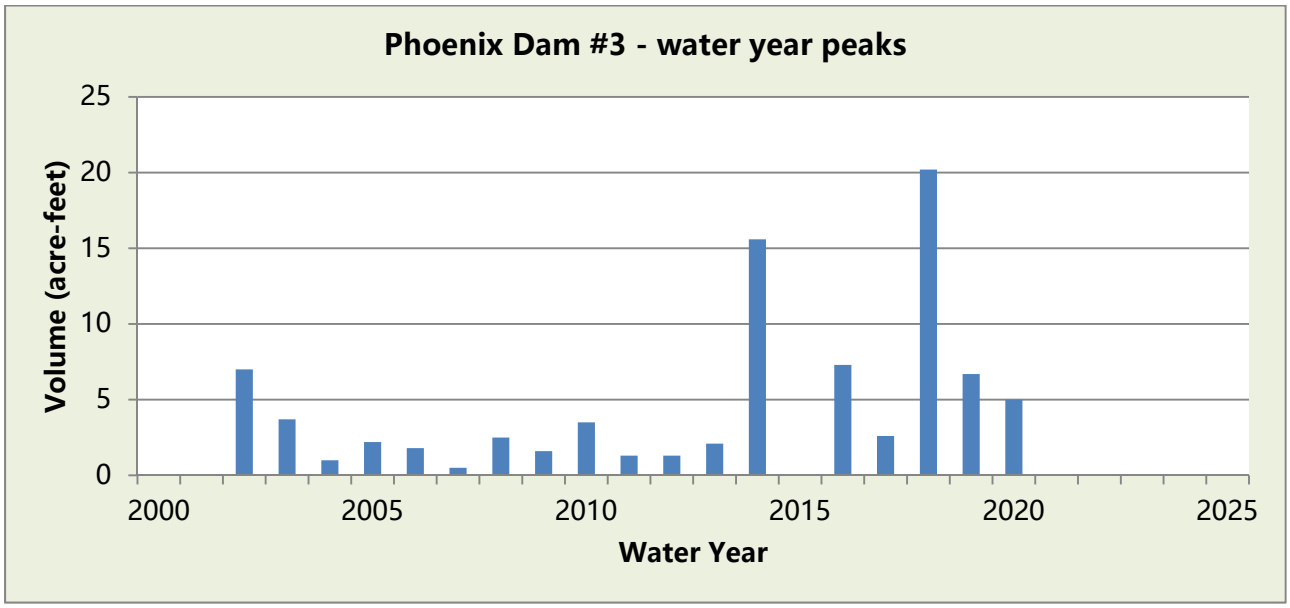


Site Data

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	18.79 Years | 6,862 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

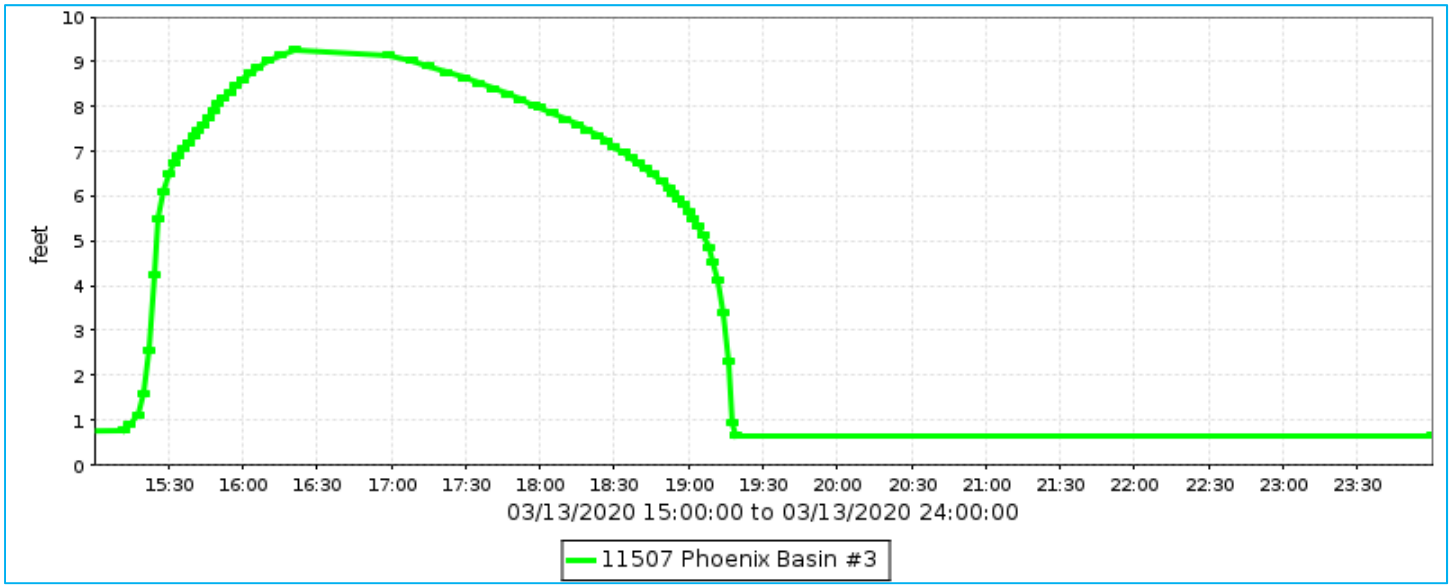




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
03/12/2020	3.54	0.9	1.4
03/13/2020	3.74	0.9	1.4
03/13/2020	9.27	5.0	8.6

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Phoenix Dam #3, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						1						
13						9						
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	9	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	50	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	19	0	0	0	0	0	0

WTR YR 2020 TOTAL 9 MEAN 0 MAX 50 MIN 0 AC_FT 19

Phoenix Dam #3, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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												
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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	5	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 5 MIN 0

Phoenix Dam #3, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.7	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	0.7	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	2.0	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	0.7
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	0.7	0.7
29	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
MAX	0.7	0.7	0.7	0.7	0.7	9.3	0.7	0.7	0.7	0.8	0.7	0.7
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 2020 MEAN 0.65 MAX 9.27 MIN 0.65

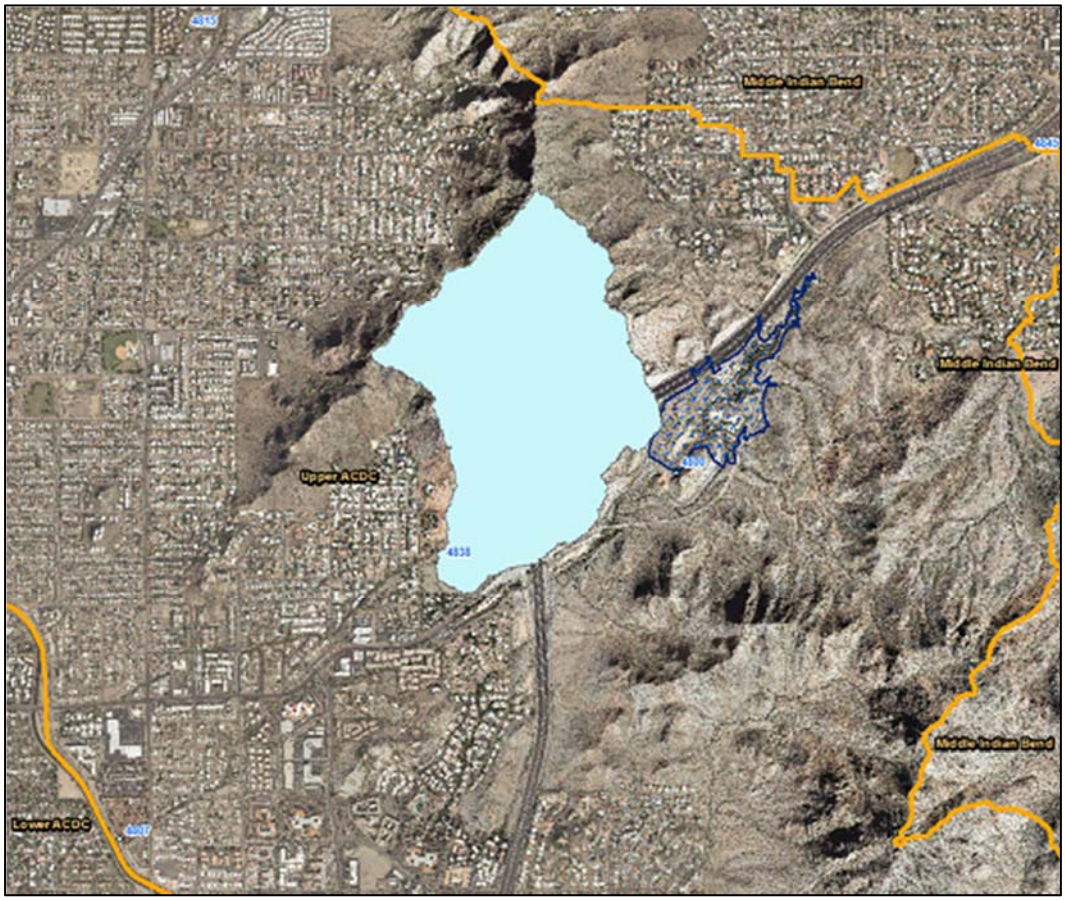
Phoenix Dam #4, ID #12207

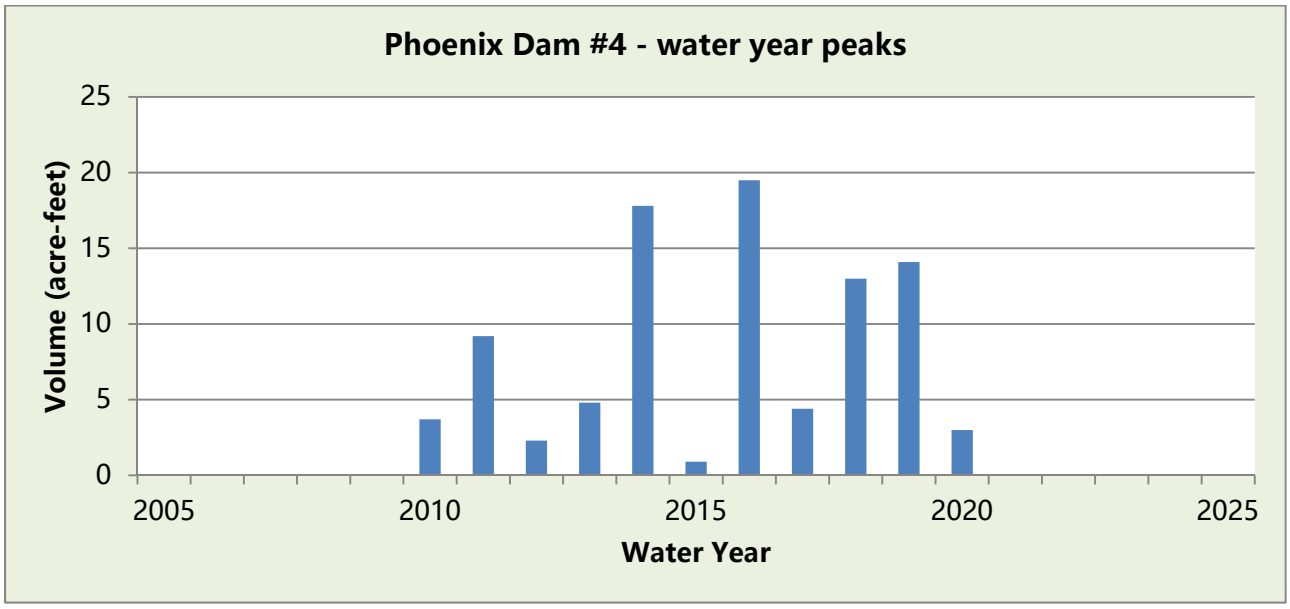


Site Data

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	11.24 Years | 4,105 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

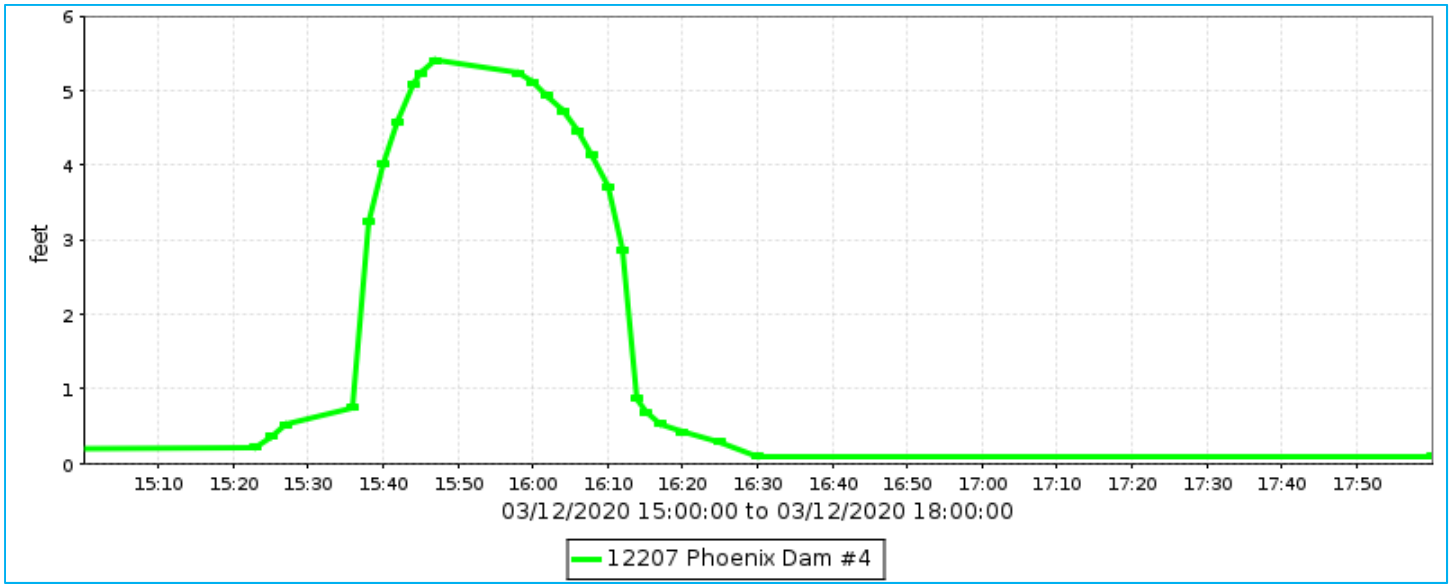




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	1.17	0.2	0.36
03/12/2020	5.40	3.0	7.1
03/13/2020	4.76	2.3	5.5
03/13/2020	3.68	1.4	3.3

Hydrograph of peak WY 2020 impoundment event, 03/12/2020



Phoenix Dam #4, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		---			---		---		---			---
TOTAL	0	0	0	0	0	2	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	9	0	0	0	20	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	4	0	0	0	0	0	0

WTR YR 2020 TOTAL 2 MEAN 0 MAX 20 MIN 0 AC_FT 4

Phoenix Dam #4, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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	0	0	0	0	0	3	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 3 MIN 0

Phoenix Dam #4, stage data

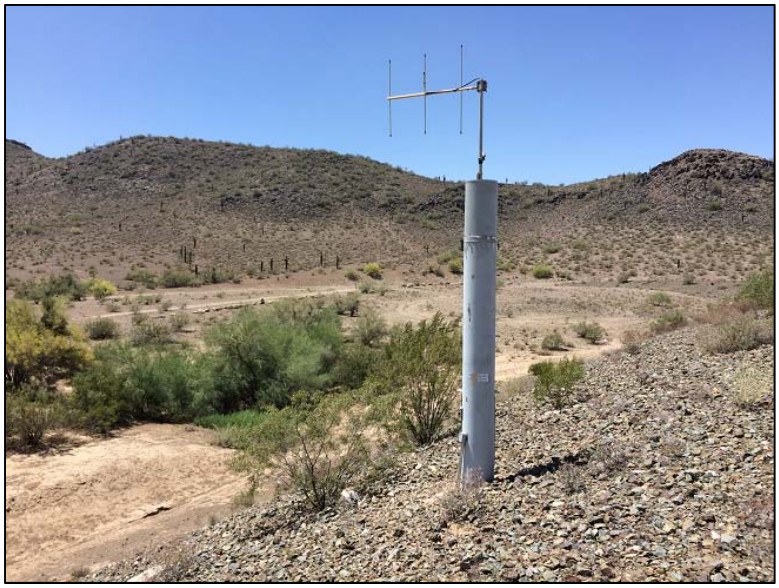
Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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	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	0.1	0.1	0.1	0.1	0.1	0.4	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	0.1	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	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	0.1	1.2	0.1	0.1	0.1	5.4	0.1	0.1	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 2020 MEAN 0.10 MAX 5.40 MIN 0.10

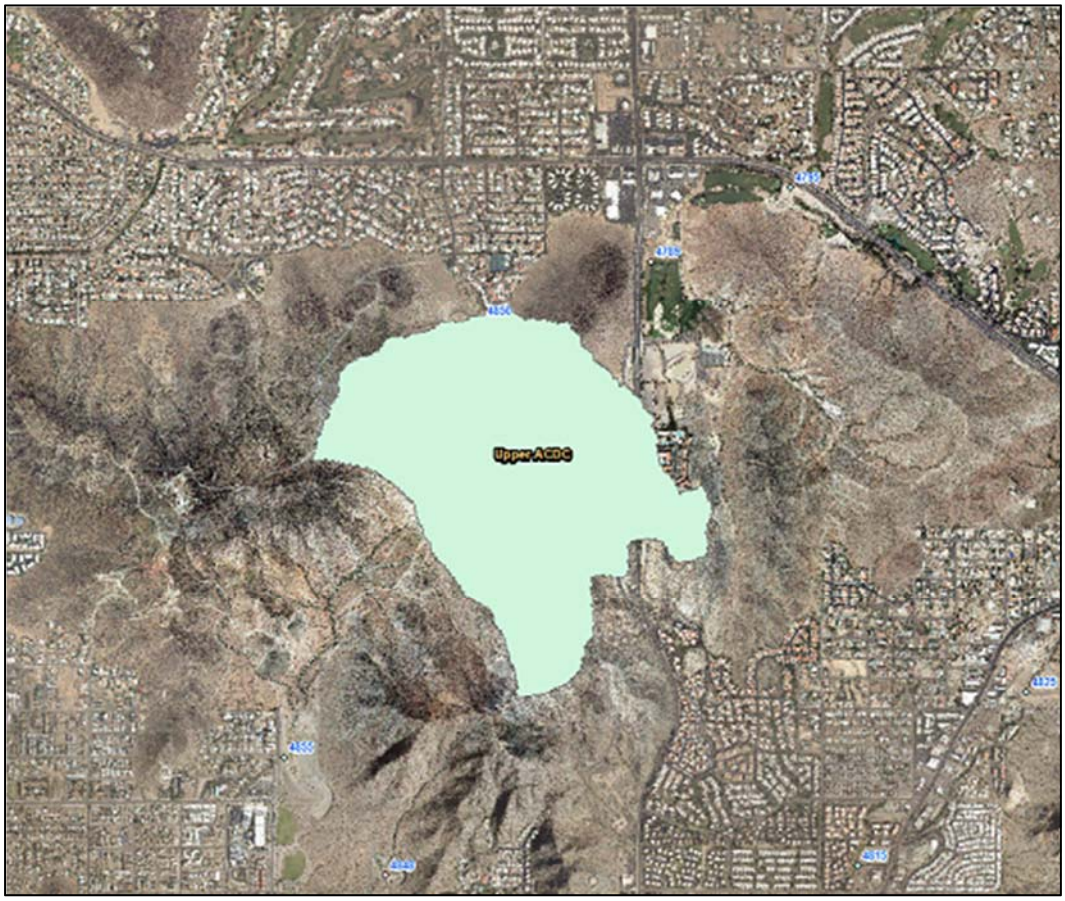
Phoenix Dam #7, ID #13307

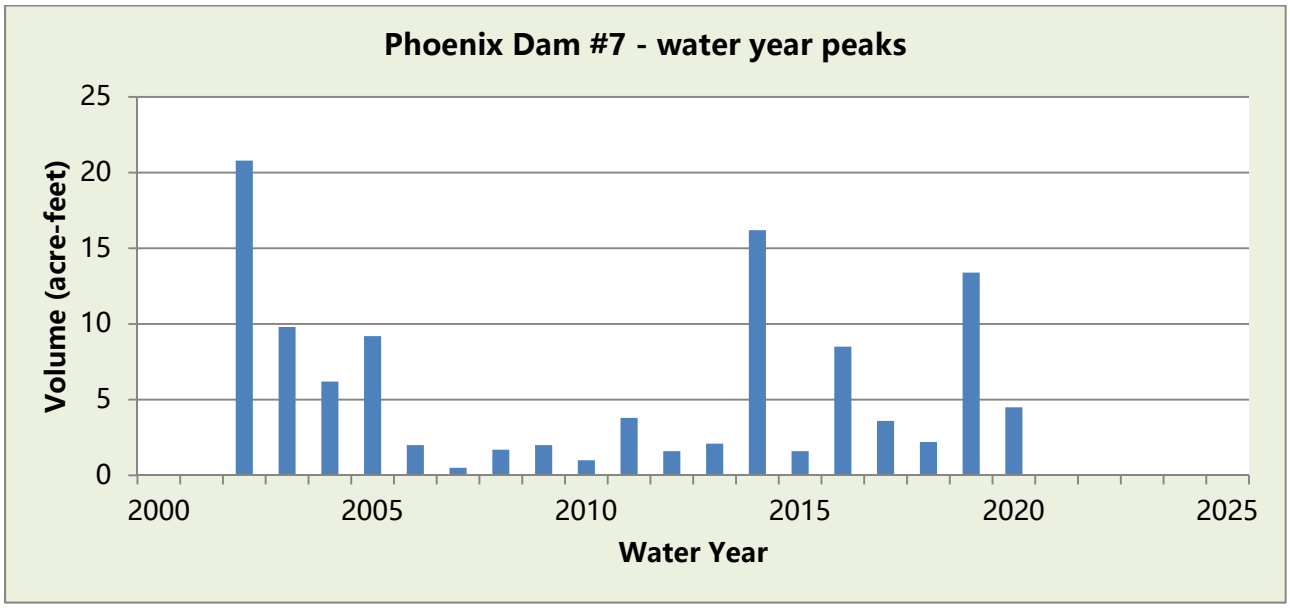


Site Data

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	18.78 Years | 6,861 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

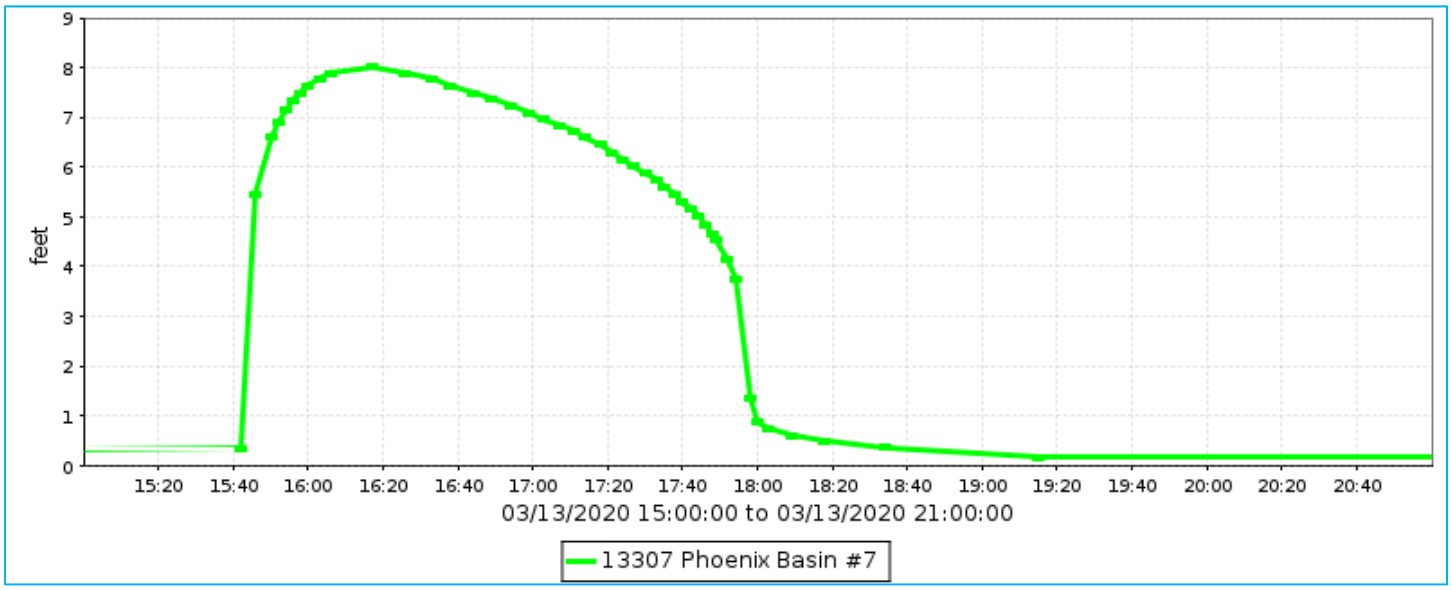




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	4.28	1.2	1.0
11/29/2019	7.67	4.1	3.5
02/22/2020	0.69	0.2	0.0
03/12/2020	4.75	1.5	1.3
03/13/2020	1.04	0.3	0.0
03/13/2020	8.02	4.5	3.7

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Phoenix Dam #7, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						1						
13						5						
14												
15												
16												
17												
18												
19												
20		1										
21												
22												
23												
24												
25												
26												
27												
28												
29		4										
30					---							
31		---			---		---		---			---
TOTAL	0	5	0	0	0	6	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	46	0	0	3	46	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	11	0	0	0	11	0	0	0	0	0	0

WTR YR 2020 TOTAL 11 MEAN 0 MAX 46 MIN 0 AC_FT 22

Phoenix Dam #7, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	4	0	0	0	5	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 5 MIN 0

Phoenix Dam #7, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.3	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.9	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	0.4	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	0.8	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	7.7	0.2	0.2	0.7	8.0	0.2	0.2	0.2	0.2	0.2	0.2
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 2020 MEAN 0.17 MAX 8.02 MIN 0.17

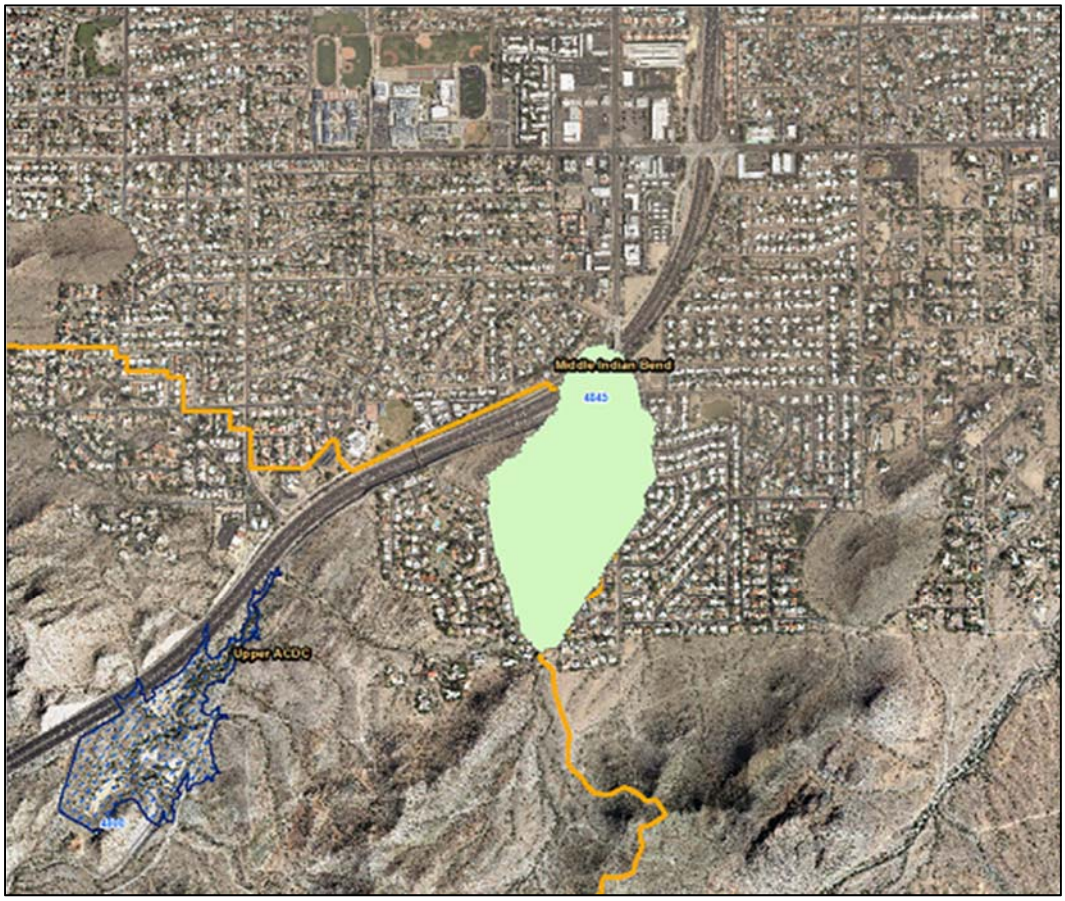
Phoenix Dam #99, ID #12707

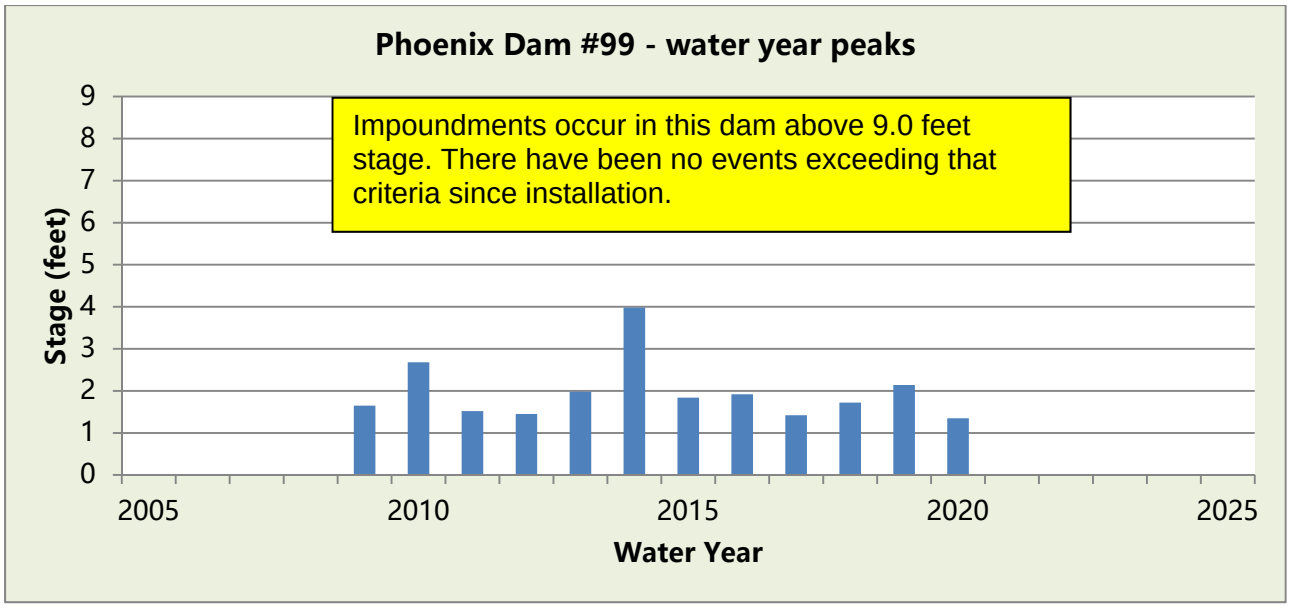


Site Data

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	11.24 Years | 4,104 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

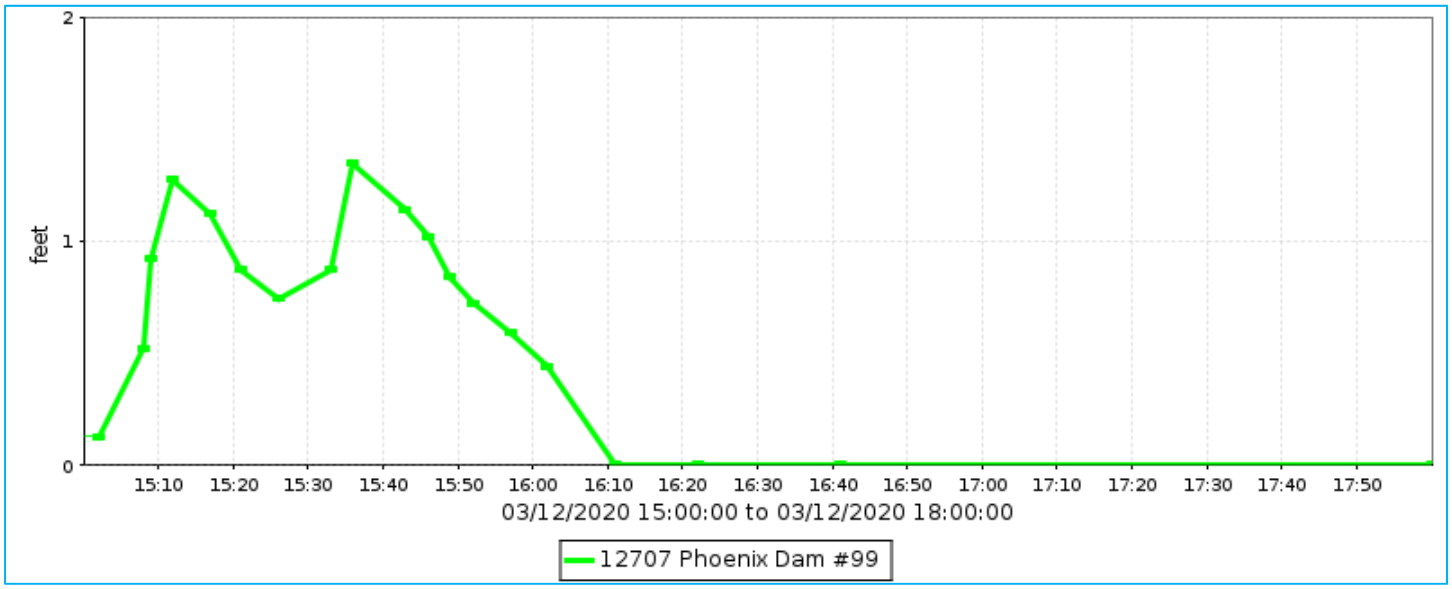




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	0.54	0.0	0.0
12/09/2019	1.07	0.0	0.0
12/24/2019	0.59	0.0	0.0
12/25/2019	0.39	0.0	0.0
02/11/2020	0.24	0.0	0.0
02/22/2020	0.47	0.0	0.0
03/11/2020	0.32	0.0	0.0
03/12/2020	1.35	0.0	0.0
03/13/2020	0.59	0.0	0.0
03/13/2020	0.79	0.0	0.0
07/24/2020	1.12	0.0	0.0
08/20/2020	0.87	0.0	0.0

Hydrograph of peak WY 2020 impoundment event, 03/12/2020



Phoenix Dam #99, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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	2	4	0	2	5	0	0	0	4	3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	1	0	0	0	0	0	0

WTR YR 2020 TOTAL 1 MEAN 0 MAX 5 MIN 0 AC_FT 2

Phoenix Dam #99, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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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 2020 MEAN 0 MAX 0 MIN 0

Phoenix Dam #99, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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	0.1	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	0.5	1.1	0.0	0.5	1.3	0.0	0.0	0.0	1.1	0.9	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 2020 MEAN 0.00 MAX 1.35 MIN 0.00

Phoenix East Park Dam, ID #13007

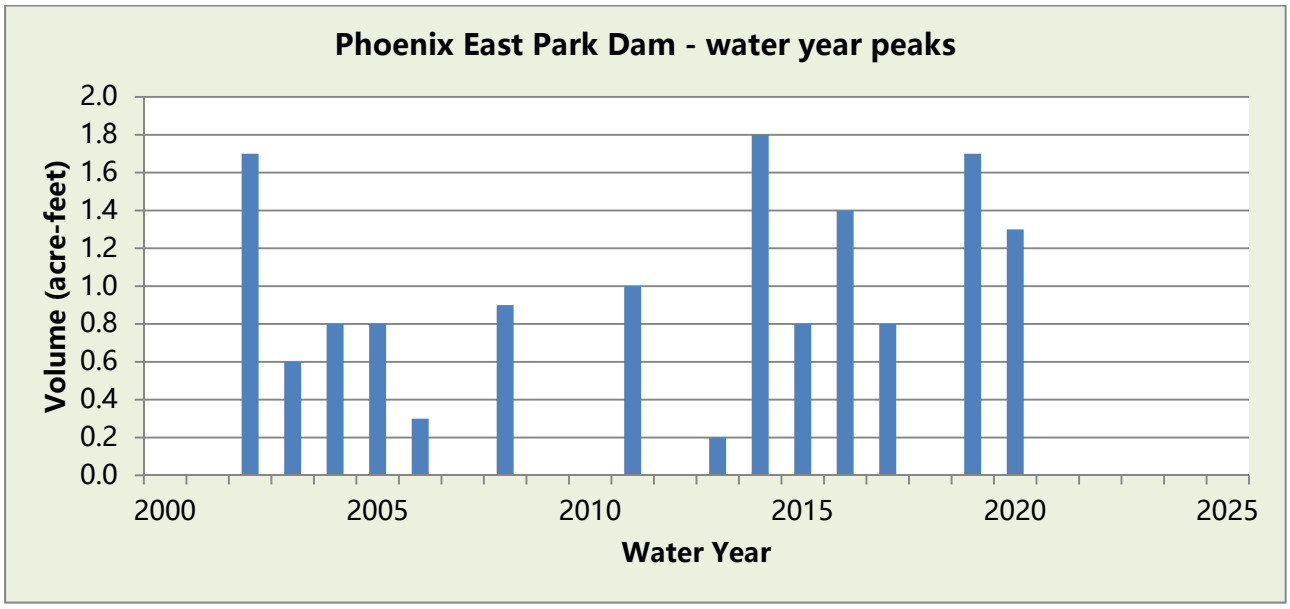


Site Data

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	18.84 Years | 6,882 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

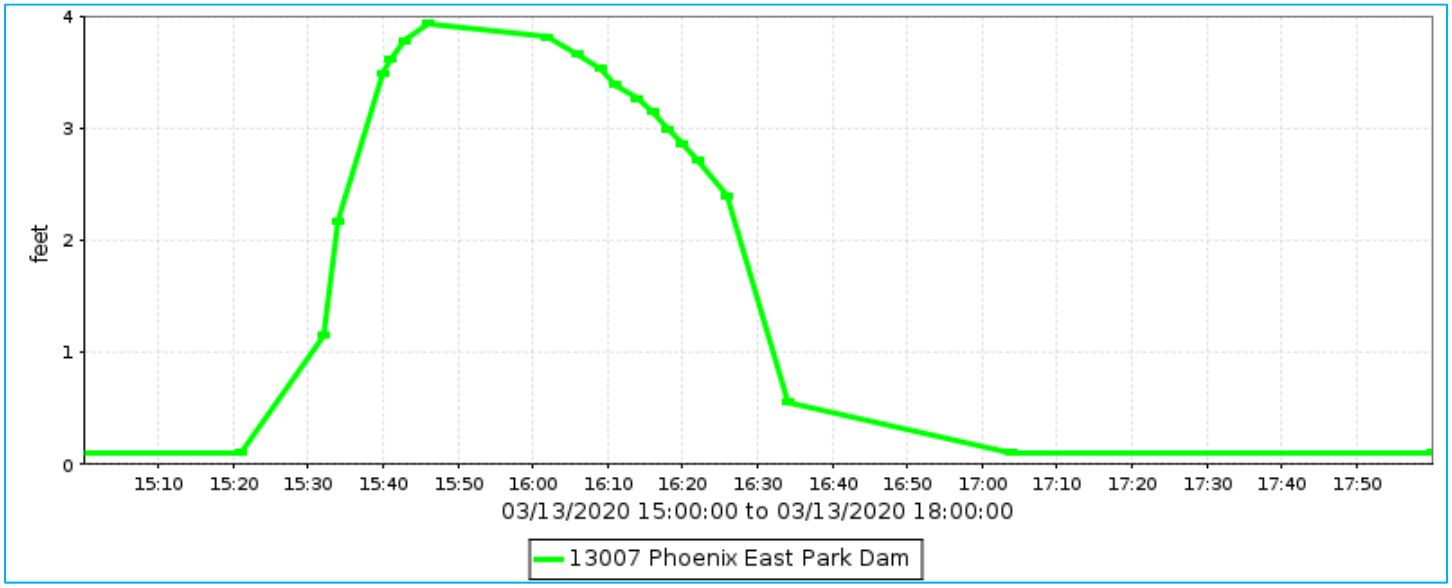




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	0.45	0.2	1.0
11/29/2019	2.16	0.8	3.8
03/12/2020	1.39	0.5	2.7
03/12/2020	1.52	0.6	2.9
03/13/2020	3.93	1.3	6.2

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Phoenix East Park Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						2						
13						2						
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		1										
30					---							
31		---			---		---		---			---
TOTAL	11	10	11	11	10	14	8	3	9	10	11	10
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	17	0	0	0	31	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	21	21	21	21	20	28	17	6	19	21	21	20

WTR YR 2020 TOTAL 118 MEAN 0 MAX 31 MIN 0 AC_FT 234

Phoenix East Park Dam, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
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29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	1	0	0	0	1	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 1 MIN 0

Phoenix East Park Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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	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	0.1	0.1	0.1	0.1	0.1	0.4	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	0.1	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	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	0.1	2.2	0.1	0.1	0.1	3.9	0.1	0.1	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 2020 MEAN 0.10 MAX 3.93 MIN 0.10

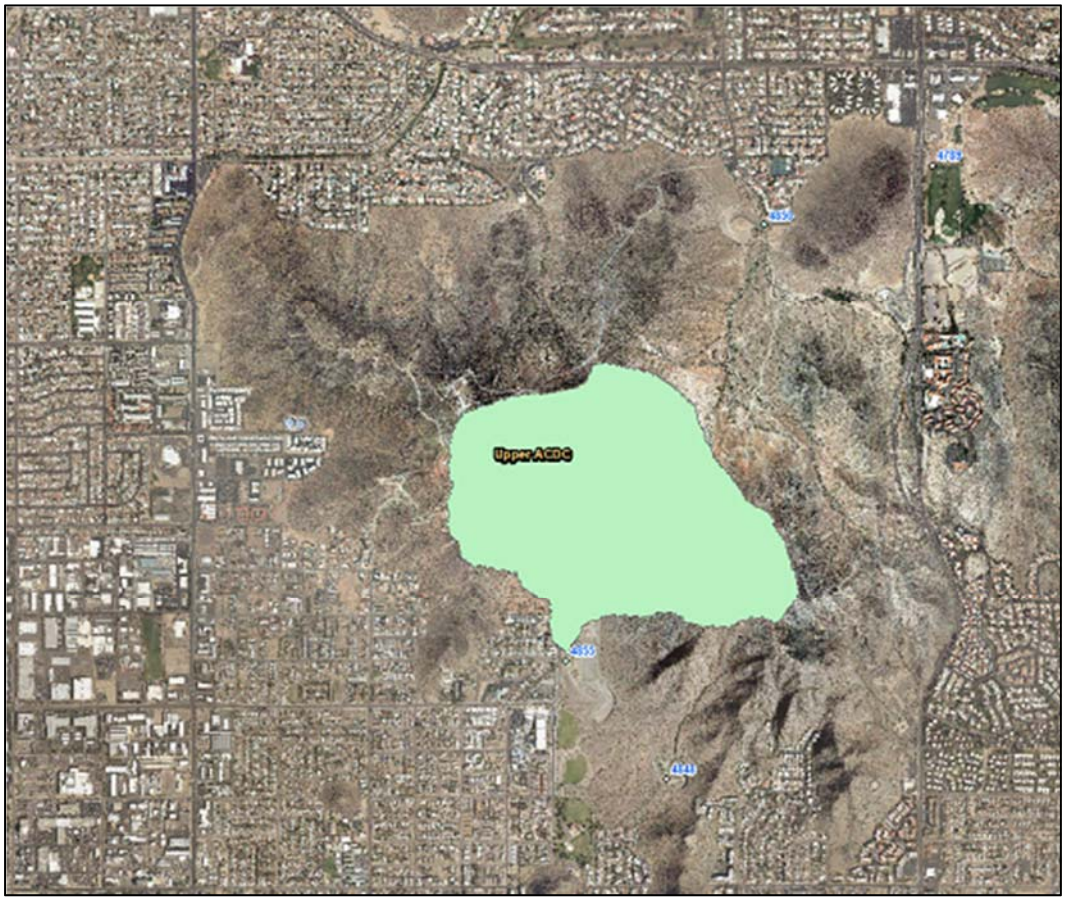
Phoenix West Park Dam, ID #13507

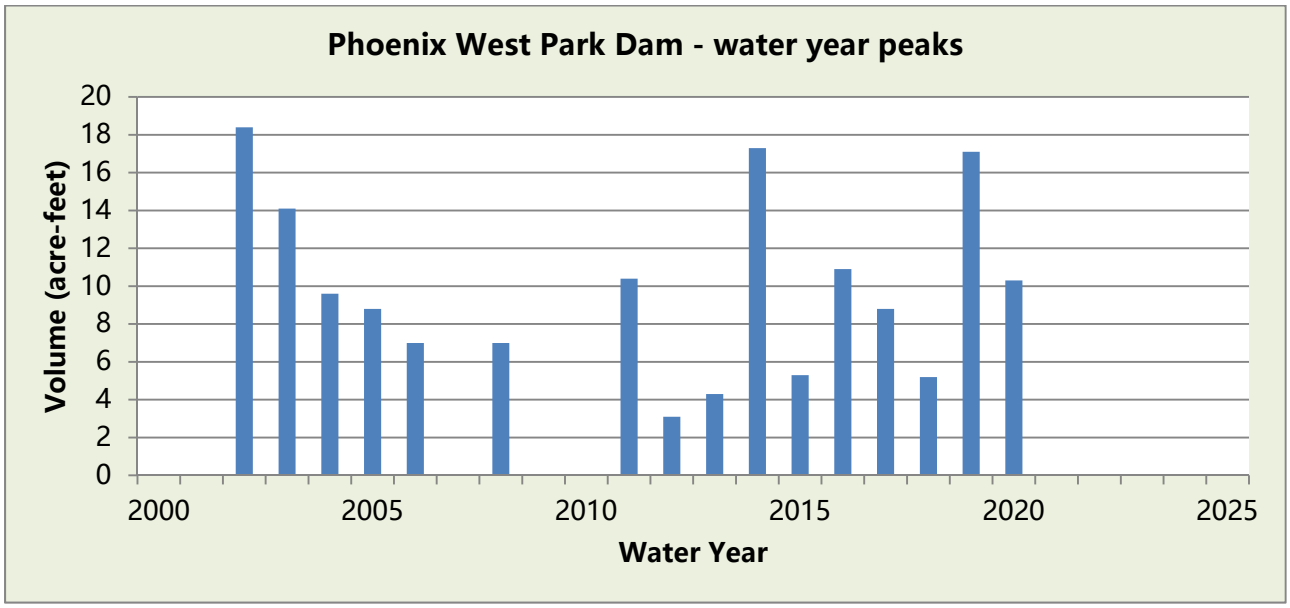


Site Data

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	18.84 Years | 6,881 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

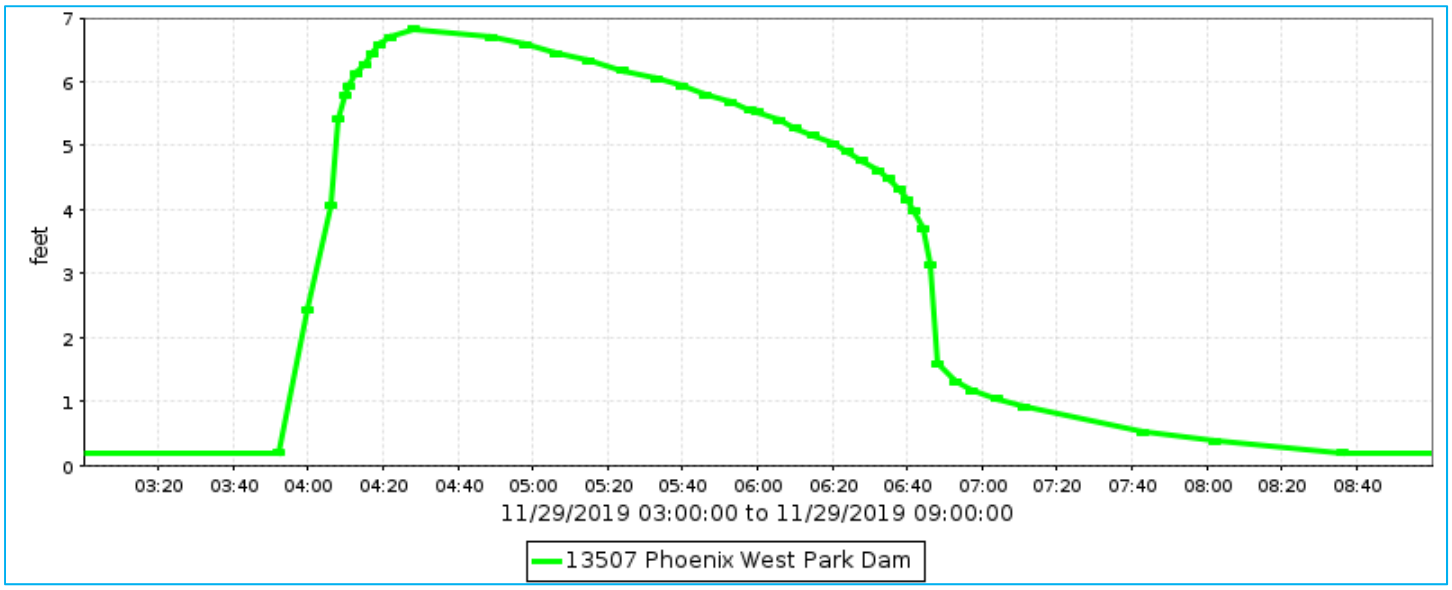




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	3.27	4.9	4.4
11/29/2019	6.83	10.3	9.1
03/12/2020	4.96	7.5	6.6
03/12/2020	3.88	5.8	5.2
03/13/2020	6.73	10.1	9.0

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Phoenix West Park Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						2						
13						5						
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		5										
30					---							
31		---			---		---		---			---
TOTAL	0	5	0	0	0	6	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	45	0	0	0	45	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	10	0	0	0	13	0	0	0	0	0	0

WTR YR 2020 TOTAL 12 MEAN 0 MAX 45 MIN 0 AC_FT 23

Phoenix West Park Dam, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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		1										
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	10	0	0	0	10	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 10 MIN 0

Phoenix West Park Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.5	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.8	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	0.9	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	6.8	0.2	0.2	0.2	6.7	0.2	0.2	0.2	0.2	0.2	0.2
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 2020 MEAN 0.20 MAX 6.83 MIN 0.20

Phoenix Zoo Dam #3, ID #4307

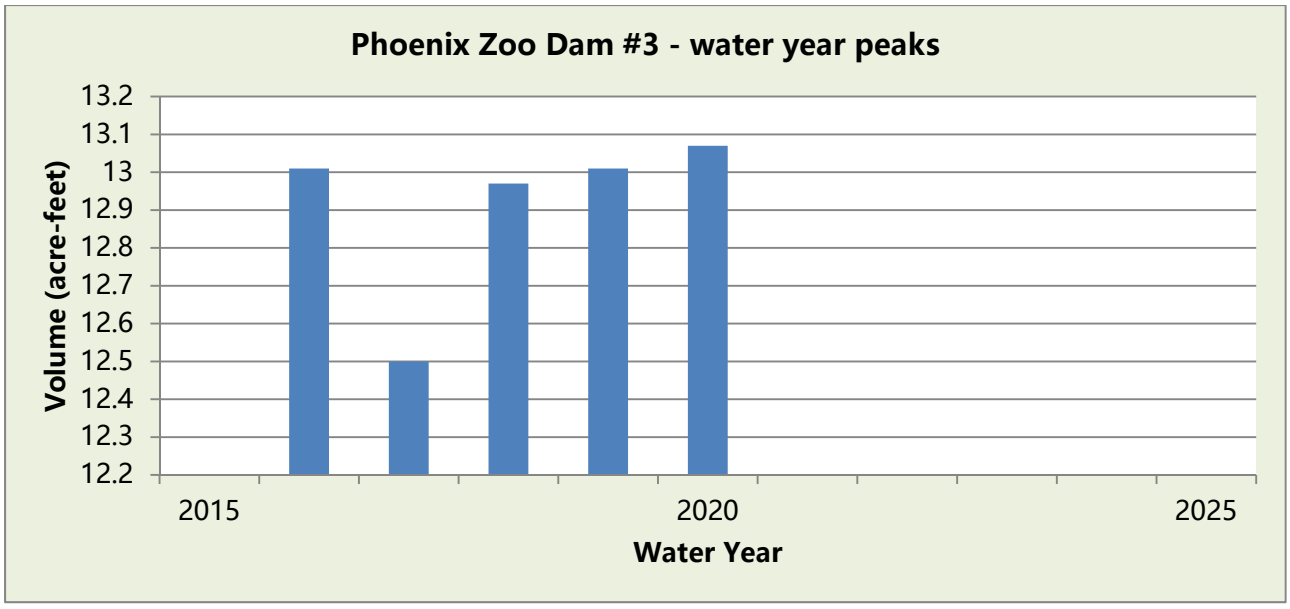


Site Data

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	4.44 Years | 1,620 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

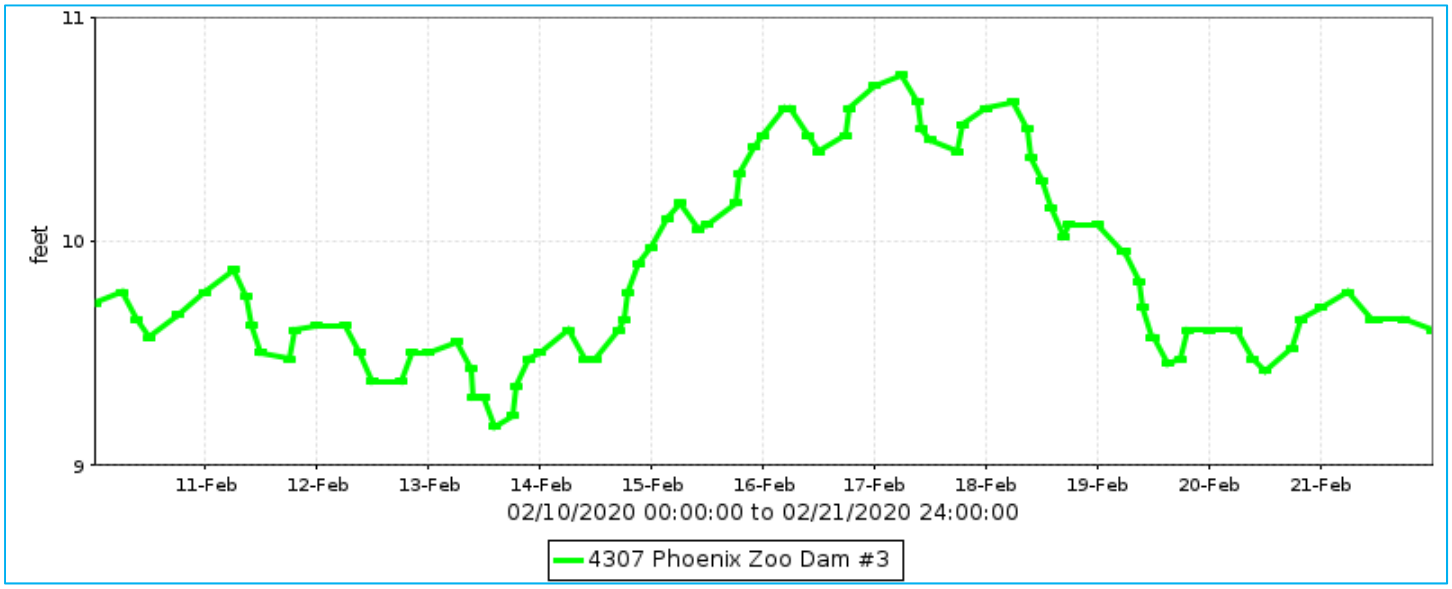




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
02/17/2020	10.74	13.1	98.8

Hydrograph of peak WY 2020 impoundment, 02/17/2020



Phoenix Zoo Dam #3, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Phoenix Zoo Dam #3, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 13 MAX 13 MIN 12

Phoenix Zoo Dam #3, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	9.5	9.5	9.4	9.9	9.7	9.1	9.1	9.1	9.2	9.1	9.2
2	9.3	9.4	9.3	9.4	9.8	9.7	9.1	9.1	9.1	9.1	9.1	9.2
3	9.3	9.5	9.3	9.6	9.8	9.7	9.1	9.1	9.1	9.0	9.0	9.2
4	9.3	9.5	9.2	9.7	9.9	9.9	9.1	9.1	9.1	9.0	9.0	9.3
5	9.3	9.5	9.2	9.7	9.9	10.1	9.1	9.2	9.1	8.9	9.1	9.3
6	9.3	9.4	9.3	9.7	9.8	10.2	9.1	9.2	9.1	9.0	9.2	9.2
7	9.3	9.3	9.2	9.7	9.7	9.6	9.1	9.2	9.1	9.1	9.3	9.2
8	9.3	9.2	9.3	9.7	9.7	9.3	9.1	9.2	9.1	9.2	9.2	9.2
9	9.3	9.3	9.3	9.7	9.7	9.2	9.1	9.1	9.1	9.2	9.2	9.1
10	9.3	9.4	9.3	9.7	9.7	9.2	9.2	9.2	9.1	9.1	9.2	9.0
11	9.3	9.4	9.3	9.7	9.7	9.3	9.3	9.2	9.1	9.0	9.1	9.0
12	9.2	9.5	9.3	9.8	9.5	9.3	9.3	9.1	9.1	8.9	9.1	9.1
13	9.2	9.5	9.3	9.8	9.4	9.4	9.3	9.2	9.1	8.9	9.1	9.1
14	9.1	9.6	9.3	9.7	9.6	9.3	9.3	9.2	9.1	8.9	9.0	9.1
15	9.0	9.6	9.3	9.8	10.1	9.2	9.3	9.1	9.1	9.0	9.0	9.1
16	9.0	9.6	9.3	10.0	10.5	9.2	9.3	9.1	9.1	9.1	9.0	9.1
17	9.0	9.7	9.3	10.0	10.6	9.2	9.3	9.2	9.1	9.1	8.9	9.1
18	9.0	9.7	9.2	10.0	10.3	9.2	9.3	9.1	9.2	9.0	8.9	9.1
19	9.1	9.7	9.2	10.0	9.7	9.2	9.3	9.2	9.1	9.0	9.0	9.2
20	9.1	9.7	9.2	10.0	9.5	9.2	9.3	9.2	9.1	9.0	8.9	9.2
21	9.1	9.8	9.2	10.0	9.7	9.2	9.2	9.2	9.0	9.0	8.9	9.2
22	9.1	9.7	9.4	10.0	9.6	9.2	9.2	9.2	9.0	9.0	8.9	9.2
23	9.1	9.7	9.6	10.0	9.5	9.1	9.1	9.2	9.0	9.1	8.9	9.1
24	9.1	9.7	9.7	10.0	9.3	9.1	9.1	9.2	9.1	9.2	9.1	9.1
25	9.1	9.7	9.7	10.0	9.3	9.1	9.1	9.1	9.2	9.3	9.4	9.1
26	9.3	9.7	9.7	10.0	9.6	9.1	9.1	9.1	9.2	9.2	9.4	9.1
27	9.3	9.6	9.8	9.9	10.2	9.1	9.2	9.1	9.2	9.2	9.3	9.1
28	9.4	9.5	9.7	9.9	10.3	9.1	9.2	9.1	9.2	9.2	9.2	9.1
29	9.4	9.6	9.6	10.0	9.8	9.1	9.2	9.1	9.2	9.2	9.2	9.1
30	9.5	9.6	9.5	9.9	---	9.1	9.2	9.1	9.2	9.2	9.1	9.1
31	9.6	---	9.4	9.9	---	9.1	---	9.1	---	9.1	9.2	---
MEAN	9.2	9.6	9.4	9.8	9.8	9.3	9.2	9.1	9.1	9.1	9.1	9.1
MAX	9.7	9.8	9.8	10.2	10.7	10.5	9.5	9.3	9.3	9.4	9.6	9.4
MIN	8.9	9.0	9.0	9.2	9.2	9.0	8.9	8.9	8.9	8.9	8.9	8.9

WTR YR 2020 MEAN 9.32 MAX 10.74 MIN 8.90

Phoenix Zoo Dam #5, ID #4407

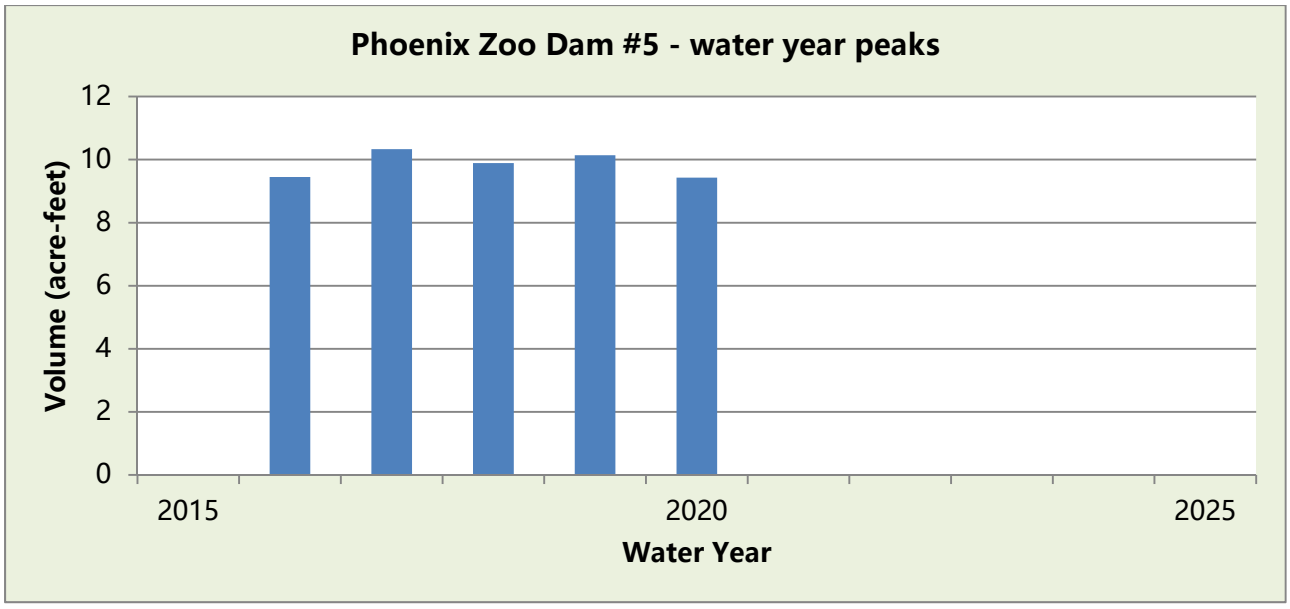


Site Data

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	4.43 Years | 1,617 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

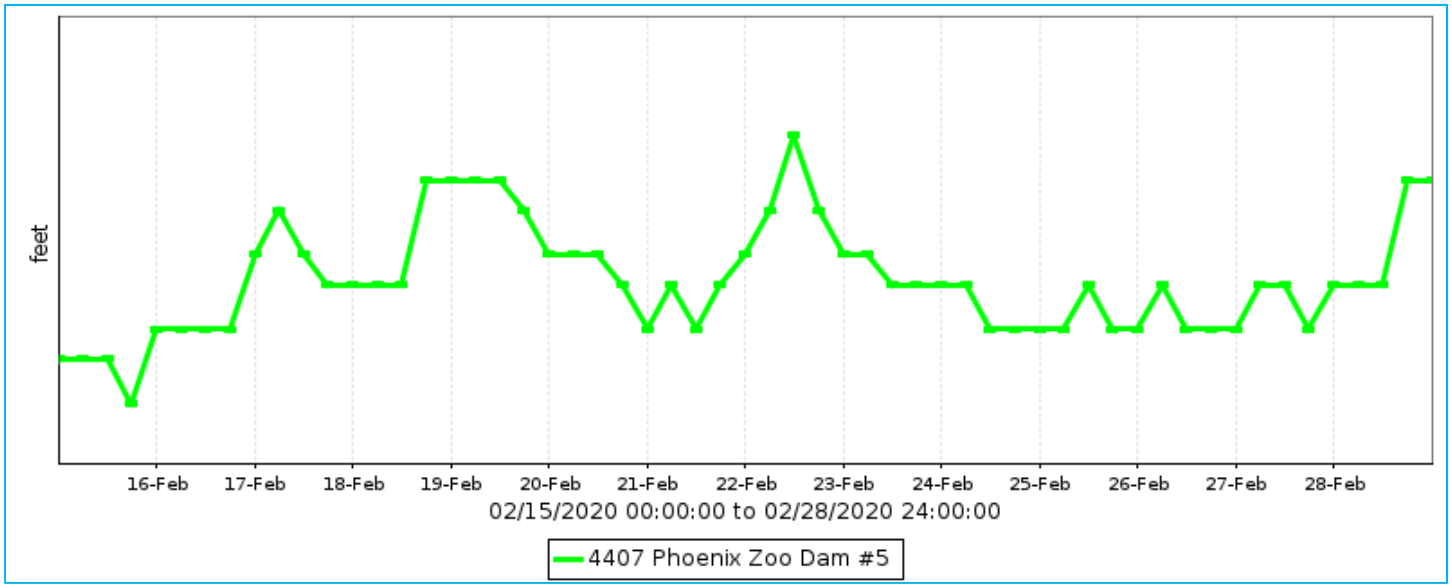




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
02/22/2020	8.62	9.4	98.1

Hydrograph of peak WY 2020 impoundment event, 02/22/2020



Phoenix Zoo Dam #5, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Phoenix Zoo Dam #5, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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	9
2	9	9	9	9	9	9	9	9	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	9	9
13	9	9	9	9	9	9	9	9	9	9	9	9
14	9	9	9	9	9	9	9	9	9	9	9	9
15	9	9	9	9	9	9	9	9	9	9	9	9
16	9	9	9	9	9	9	9	9	9	9	9	9
17	9	9	9	9	9	9	9	9	9	9	9	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	9	9
20	9	9	9	9	9	9	9	9	9	9	9	9
21	9	9	9	9	9	9	9	9	9	9	9	9
22	9	9	9	9	9	9	9	9	9	9	9	9
23	9	9	9	9	9	9	9	9	9	9	9	9
24	9	9	9	9	9	9	9	9	9	9	9	9
25	9	9	9	9	9	9	9	9	9	9	9	9
26	9	9	9	9	9	9	9	9	9	9	9	9
27	9	9	9	9	9	9	9	9	9	9	9	9
28	9	9	9	9	9	9	9	9	9	9	9	9
29	9	9	9	9	9	9	9	9	9	9	9	9
30	9	9	9	9	---	9	9	9	9	9	9	9
31	9	---	9	9	---	9	---	9	---	9	9	---
MEAN	9	9	9	9	9	9	9	9	9	9	9	9
MAX	9	9	9	9	9	9	9	9	9	9	9	9
MIN	9	9	9	9	9	9	9	9	9	9	8	9

WTR YR 2020 MEAN 9 MAX 9 MIN 8

Phoenix Zoo Dam #5, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.4	8.5	8.4	8.3
2	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.4	8.5	8.4	8.3
3	8.4	8.5	8.4	8.5	8.4	8.5	8.5	8.5	8.4	8.4	8.4	8.4
4	8.4	8.5	8.4	8.5	8.4	8.5	8.6	8.5	8.4	8.4	8.4	8.4
5	8.4	8.5	8.4	8.6	8.4	8.5	8.6	8.5	8.4	8.4	8.4	8.4
6	8.4	8.5	8.4	8.6	8.4	8.6	8.5	8.5	8.5	8.4	8.5	8.3
7	8.4	8.4	8.4	8.5	8.4	8.6	8.5	8.5	8.5	8.3	8.5	8.3
8	8.4	8.4	8.4	8.5	8.4	8.5	8.5	8.5	8.5	8.4	8.5	8.3
9	8.4	8.4	8.4	8.5	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.3
10	8.4	8.4	8.4	8.6	8.4	8.5	8.5	8.5	8.5	8.4	8.5	8.3
11	8.4	8.5	8.4	8.6	8.5	8.6	8.5	8.5	8.5	8.4	8.4	8.3
12	8.4	8.5	8.4	8.6	8.5	8.5	8.6	8.5	8.5	8.4	8.4	8.3
13	8.4	8.5	8.4	8.6	8.4	8.5	8.6	8.5	8.5	8.4	8.3	8.3
14	8.4	8.5	8.4	8.6	8.4	8.5	8.6	8.5	8.5	8.4	8.2	8.3
15	8.4	8.5	8.4	8.5	8.5	8.5	8.6	8.5	8.5	8.4	8.2	8.3
16	8.4	8.5	8.4	8.4	8.5	8.5	8.6	8.5	8.5	8.4	8.2	8.3
17	8.4	8.5	8.4	8.4	8.5	8.5	8.6	8.5	8.4	8.5	8.1	8.3
18	8.3	8.5	8.4	8.4	8.5	8.5	8.5	8.5	8.4	8.4	8.1	8.3
19	8.3	8.5	8.4	8.4	8.6	8.5	8.5	8.5	8.4	8.4	8.2	8.3
20	8.3	8.5	8.4	8.4	8.5	8.5	8.6	8.5	8.5	8.4	8.3	8.3
21	8.3	8.5	8.4	8.4	8.5	8.5	8.6	8.5	8.5	8.4	8.3	8.3
22	8.3	8.5	8.4	8.4	8.6	8.5	8.6	8.5	8.5	8.4	8.3	8.3
23	8.3	8.5	8.5	8.4	8.5	8.5	8.5	8.5	8.4	8.4	8.3	8.4
24	8.2	8.5	8.5	8.4	8.5	8.5	8.5	8.5	8.4	8.4	8.3	8.3
25	8.2	8.5	8.5	8.4	8.5	8.5	8.5	8.5	8.4	8.5	8.4	8.3
26	8.2	8.5	8.5	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.3
27	8.3	8.5	8.5	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.3
28	8.4	8.4	8.5	8.4	8.5	8.5	8.6	8.5	8.5	8.5	8.4	8.3
29	8.4	8.5	8.5	8.4	8.6	8.5	8.5	8.5	8.5	8.5	8.3	8.3
30	8.4	8.4	8.5	8.4	---	8.5	8.5	8.4	8.5	8.5	8.3	8.3
31	8.5	---	8.5	8.4	---	8.5	---	8.4	---	8.5	8.3	---
MEAN	8.4	8.5	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.3
MAX	8.5	8.6	8.5	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.5	8.4
MIN	8.2	8.4	8.3	8.4	8.3	8.5	8.5	8.4	8.4	8.3	8.1	8.3

WTR YR 2020 MEAN 8.44 MAX 8.62 MIN 8.10

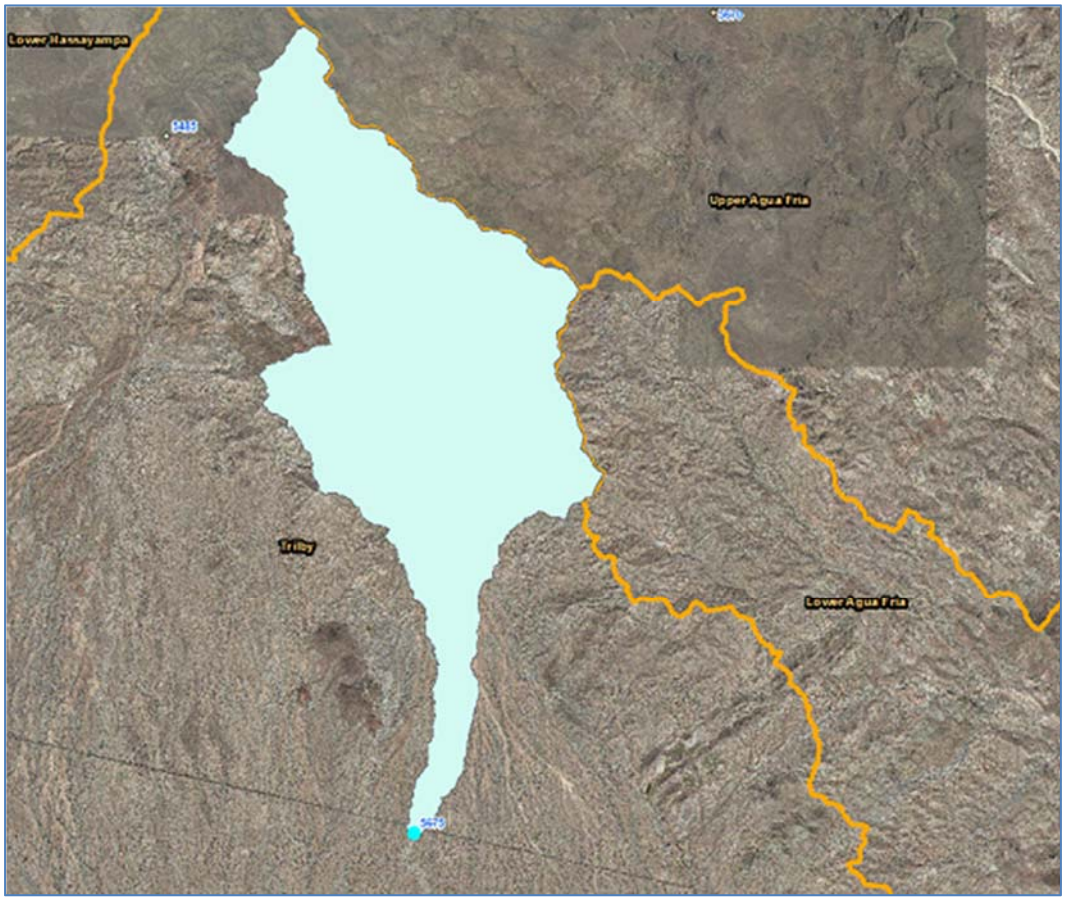
Picacho Wash, ID #74207

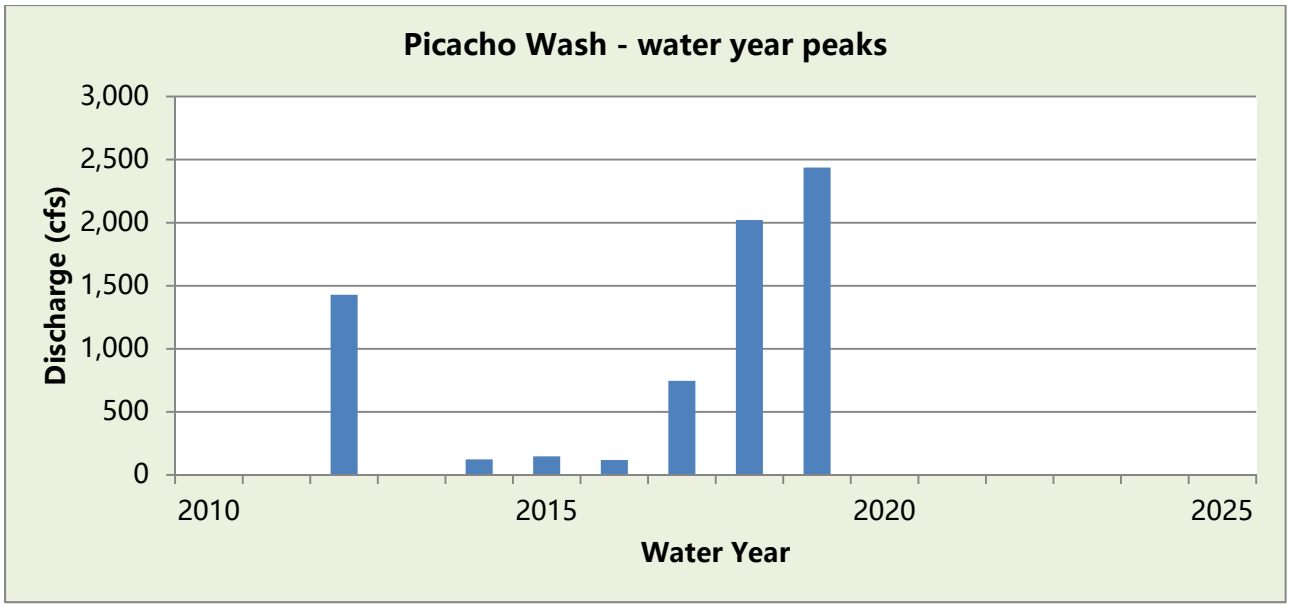


Site Data

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	8.47 Years | 3,095 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

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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18												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

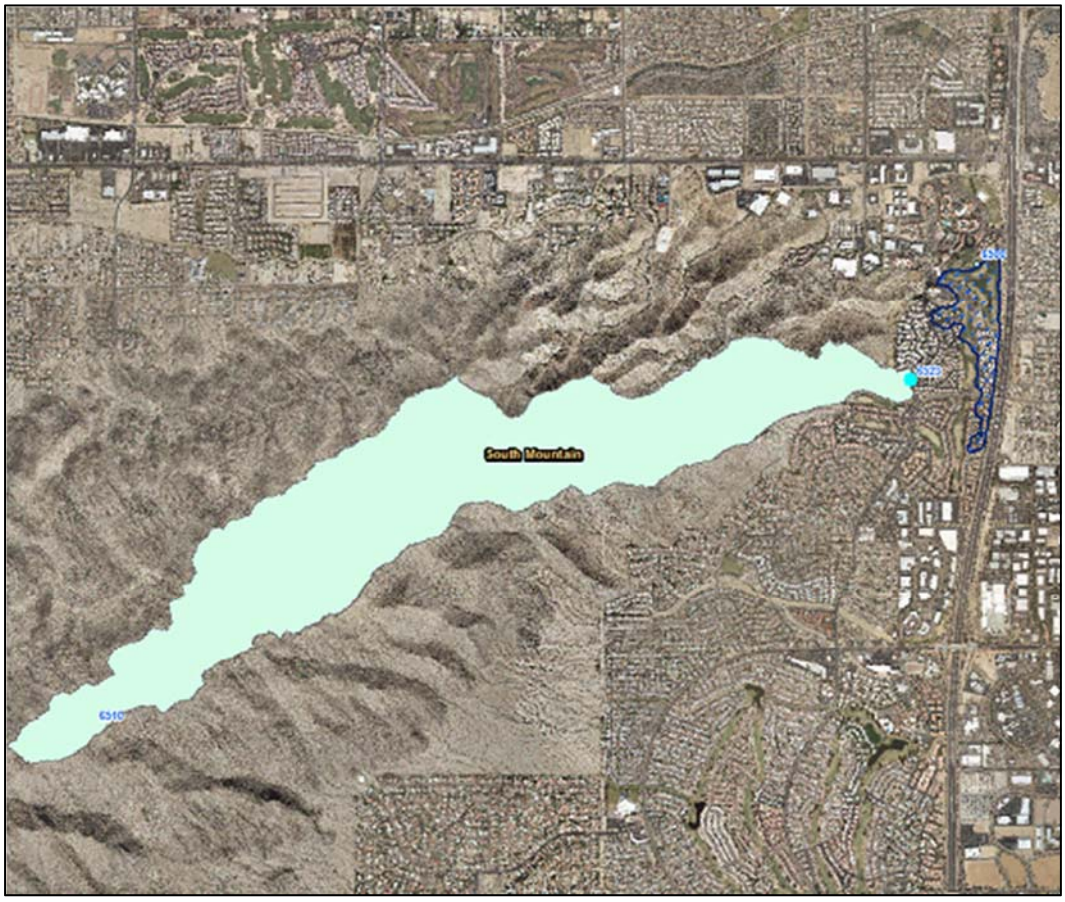
Pima Canyon Wash, ID #68707

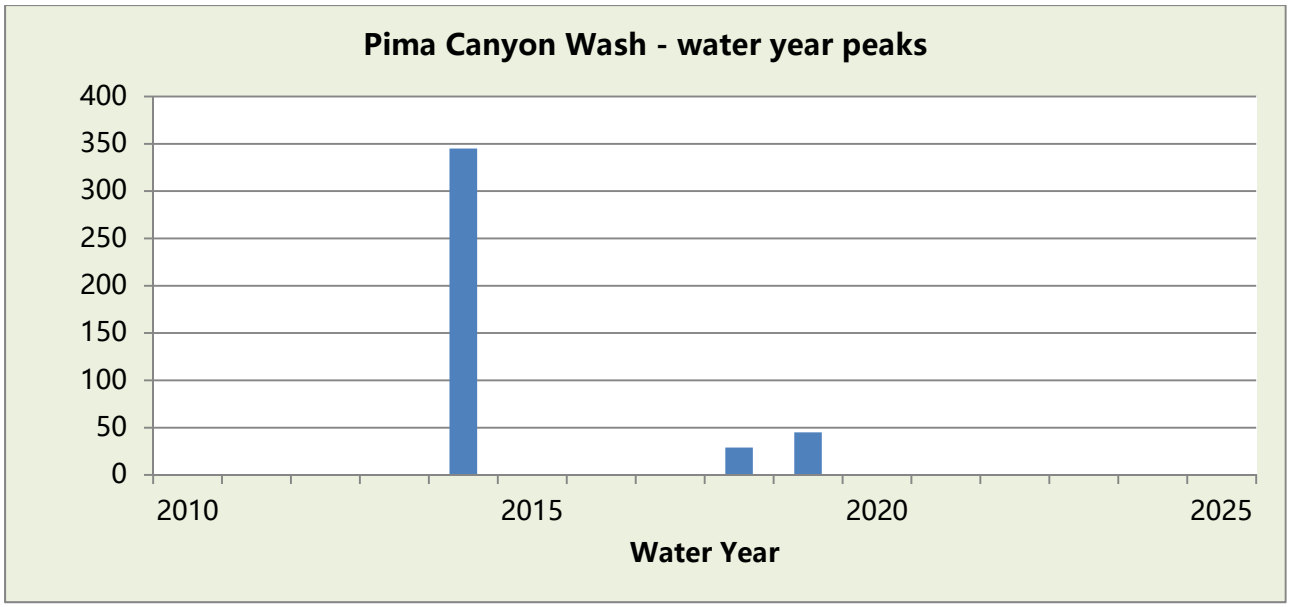


Site Data

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	6.46 Years | 2,361 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Powder House Wash, ID #52507

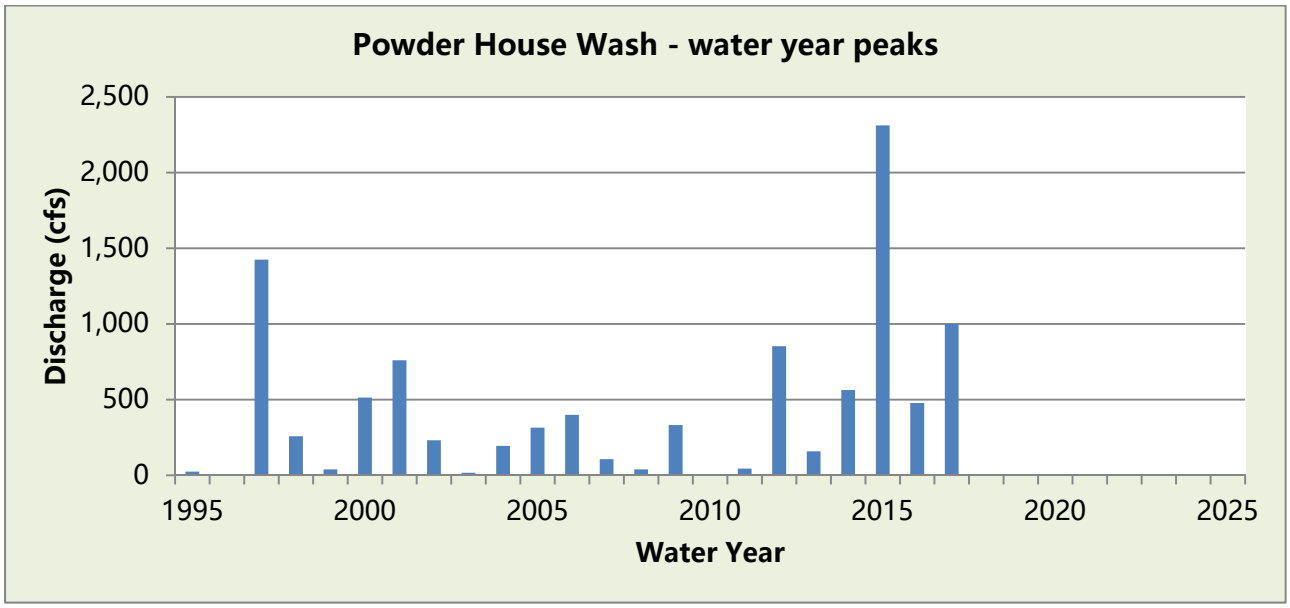


Site Data

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	25.37 Years | 9,268 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded during Water Year 2020. Sensor level is above channel bottom, so flow possibly occurred, but missed the sensor.

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**
139	**649**	**1,290**	**2,140**	**3,580**	**4,860**

NOTE: These results are based on very limited data.

Powder House Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

NOTE: Elevation of level sensor is about 0.5 feet above channel.

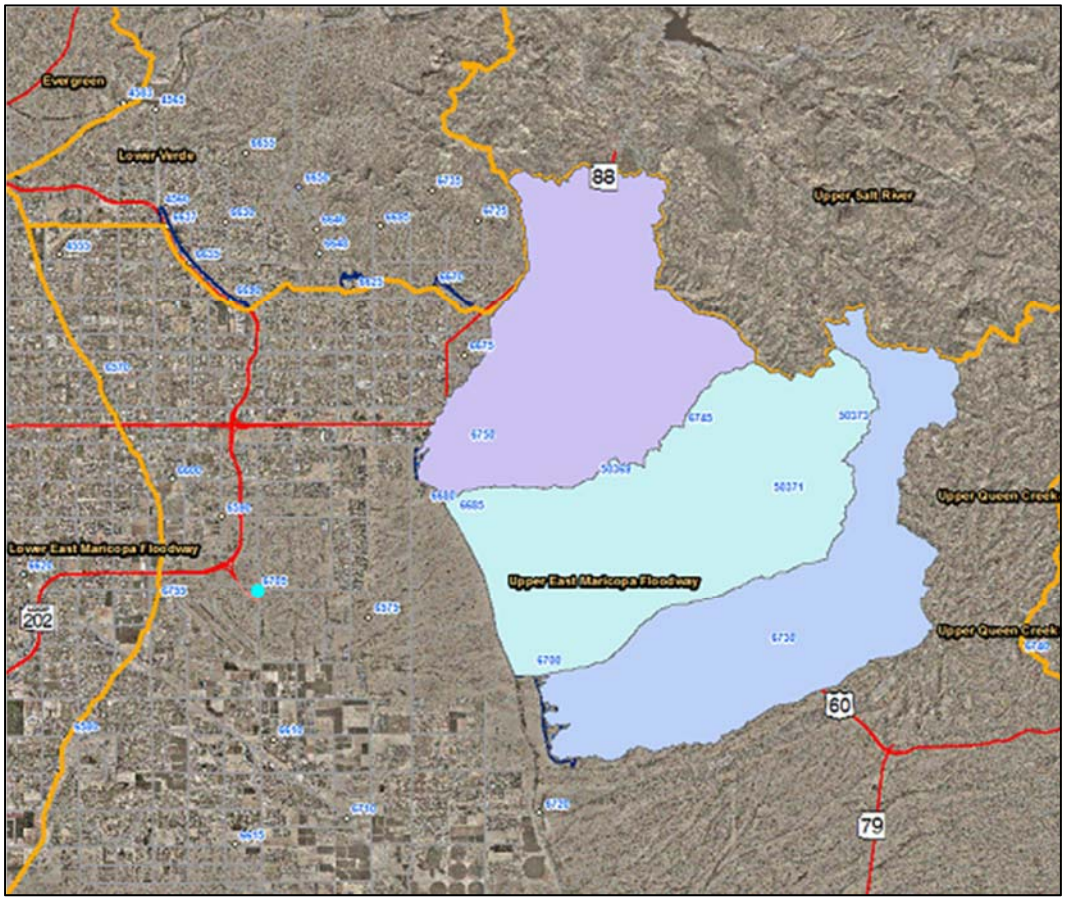
Powerline Floodway, ID #37507

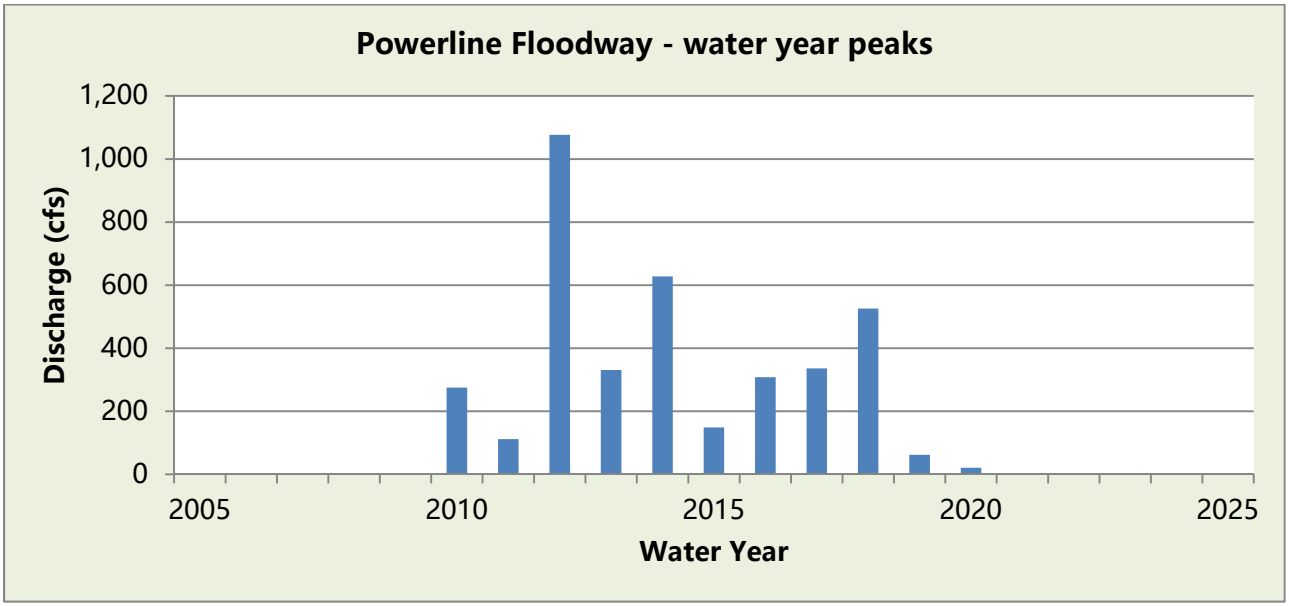


Site Data

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	12.63 Years | 4,614 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

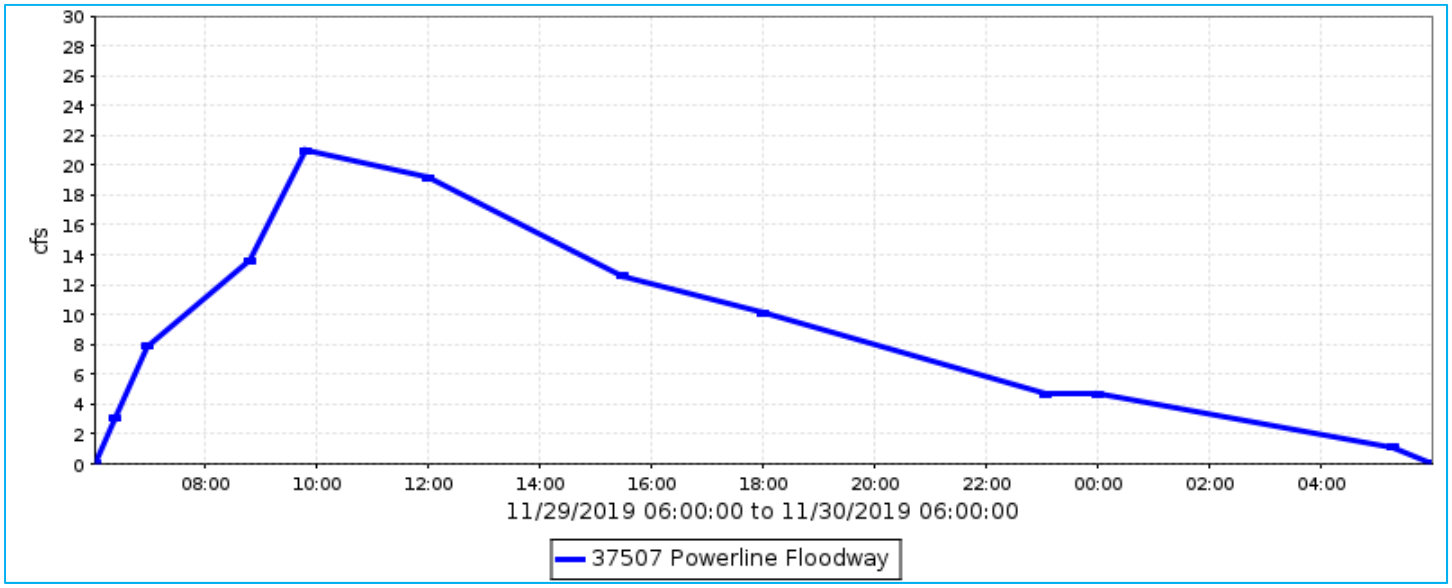




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/29/2019	0.72	21

Hydrograph of peak WY 2020 flow event, 11/29/2019



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 2019 to September 2020

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		10										
30		1			---							
31		---			---		---		---			---
TOTAL	0	11	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	21	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	21	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 11 MEAN 0 MAX 21 MIN 0 AC_FT 22

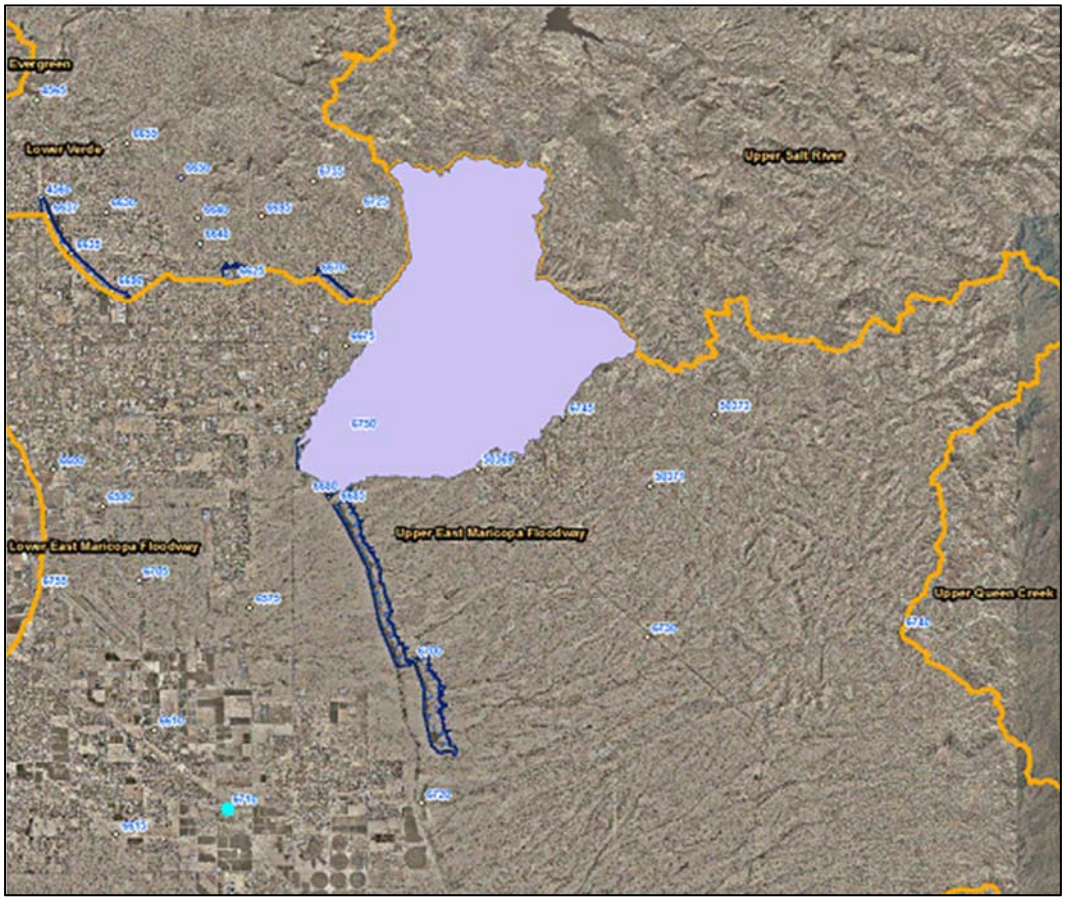
Powerline FRS, ID #36807

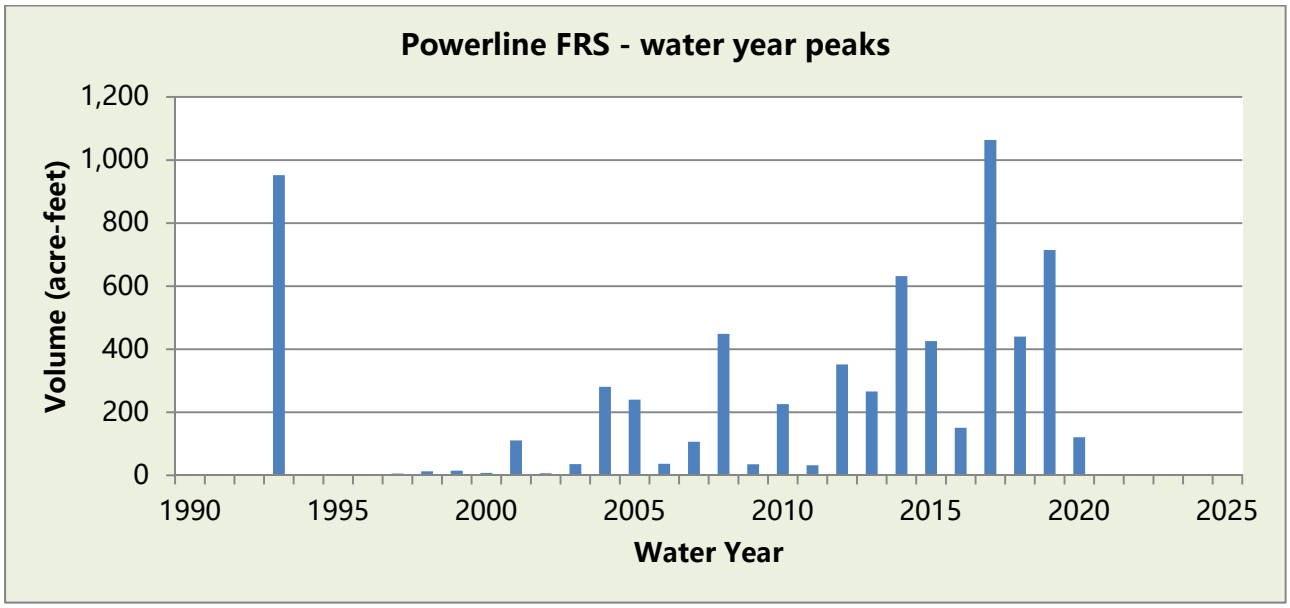


Site Data

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	27.83 Years | 10,165 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

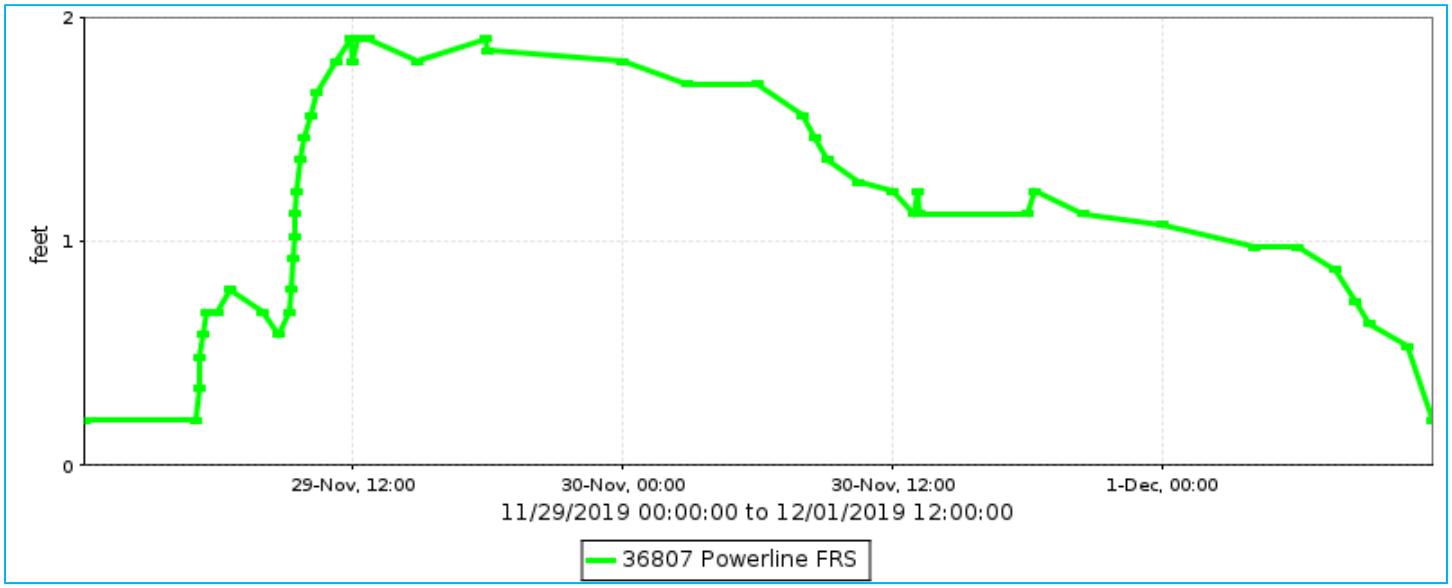




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	0.73	46.6	0.7
11/21/2019	1.46	93.1	1.6
11/29/2019	1.90	121.1	2.4
12/02/2019	0.48	30.7	0.4

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Powerline FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		2										
21												
22												
23												
24												
25												
26												
27												
28												
29		2										
30					---							
31		---			---		---		---			---
TOTAL	0	3	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	70	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	7	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 3 MEAN 0 MAX 70 MIN 0 AC_FT 7

Powerline FRS, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			29									
2			8									
3												
4												
5												
6												
7										1		
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18						1						
19												
20		4										
21		36										
22		64										
23		19										
24												
25												
26												
27												
28												
29		78										
30		88			---							
31		---			---		---		---			---
MEAN	0	10	1	0	0	0	0	0	0	0	0	0
MAX	0	121	62	0	0	31	0	0	0	421	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 1 MAX 421 MIN 0

Powerline FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.5	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	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.4	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	1.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	1.4	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	1.9	1.0	0.2	0.2	0.5	0.2	0.2	0.2	4.7	0.2	0.2
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 2020 MEAN 0.21 MAX 4.69 MIN 0.20

Price Drain, ID #31507

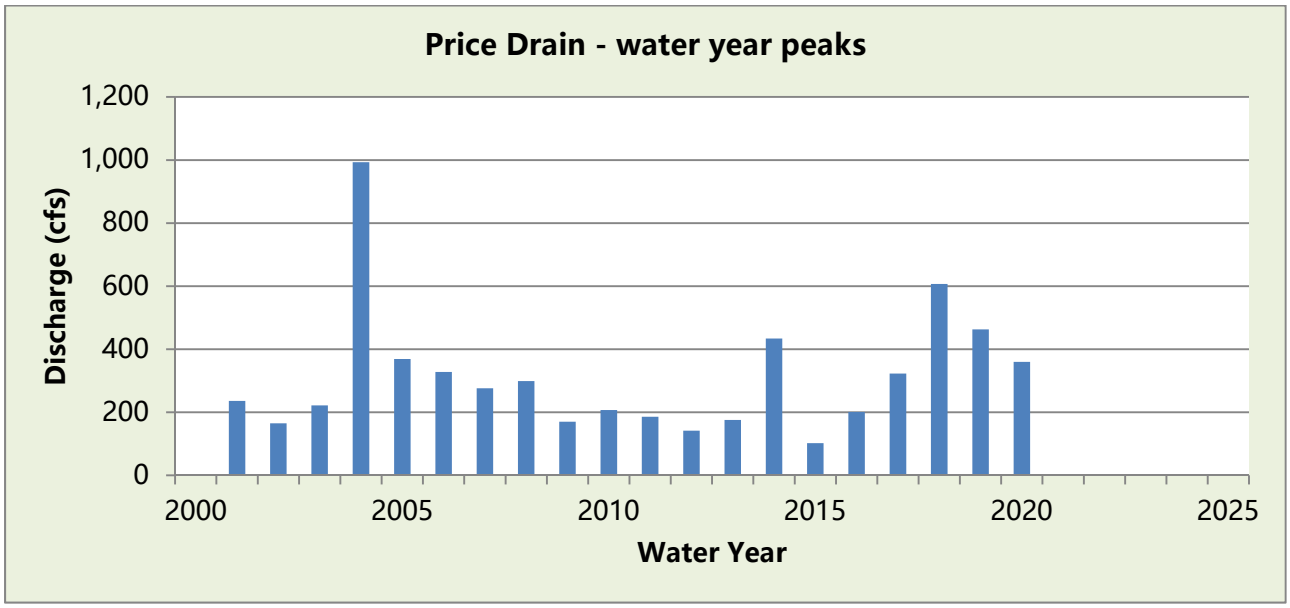


Site Data

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	19.62 Years | 7,165 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)

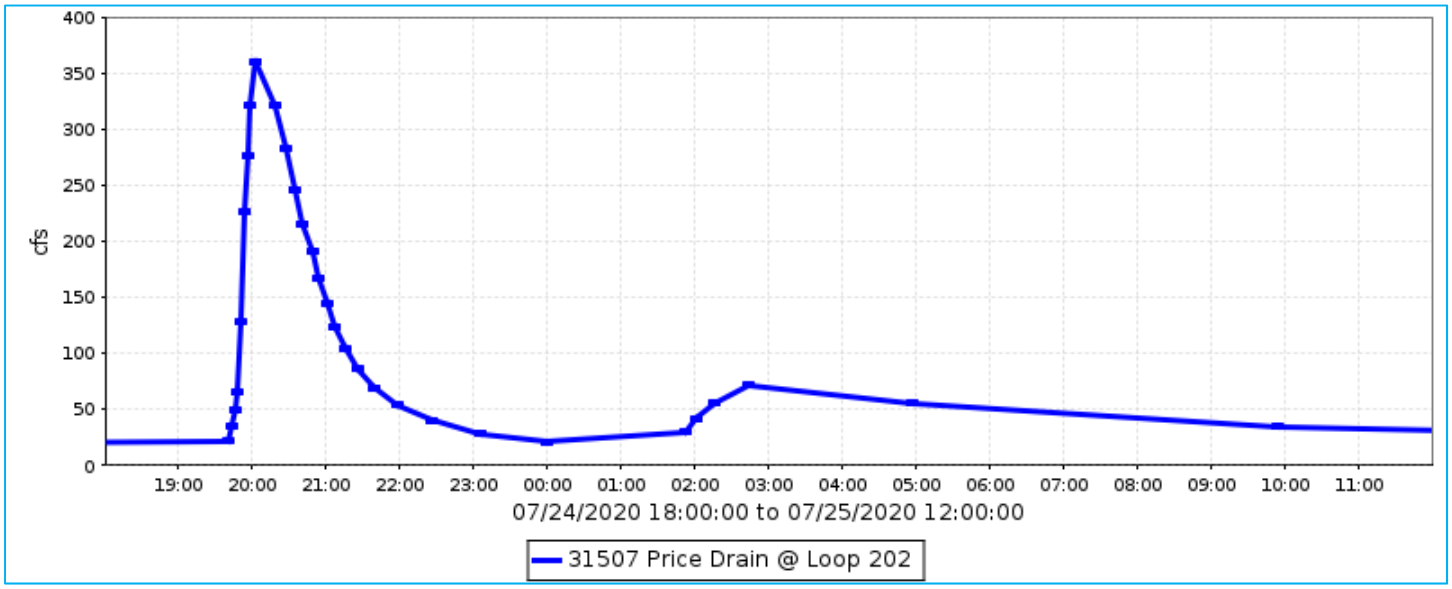




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	3.19	151
11/21/2019	3.98	228
11/29/2019	3.66	195
12/09/2019	1.94	58
12/25/2019	2.04	64
02/11/2020	2.66	108
02/22/2020	3.73	202
03/11/2020	3.66	195
03/12/2020	3.73	202
03/18/2020	2.21	75
07/24/2020	4.95	360

Hydrograph of peak WY 2020 flow event, 07/24/2020



Flood Flow Frequency

This site is not suitable to compute a flood flow frequency.

Price Drain, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9	21		5	6	10	11	7	22	21	48
2	13	8	10		6	5	10	15	6	20	19	65
3	13	8	2	---	9	5	12	11	12	19	18	62
4	20	8	2	---	5	12	12	10	12	15	19	55
5	18	8	2	---	5	6	11	7	12	11	20	58
6	14	8	2	---	5	6	13	12	8	14	23	65
7	15	5	1		---	7	11	14	7	15	19	64
8	13	10	8		---	5	13	14	10	25	20	83
9	14	9	13	---	---	6	15	13	5	23	18	94
10	18	8	34	2	8	19	14	15	11	19	19	117
11	15	10	15	5	48	79	14	15	15	20	20	113
12	11	12	2	5	22	42	14	12	14	18	20	112
13	12	14	4	9	13	56	13	12	13	15	23	100
14	10	14	10	14	8	14	13	14	12	18	21	105
15	11	16	12	16	6	11	17	17	9	17	17	112
16	14	14		10	7	8	18	15	11	22	19	131
17	13	12	---	9	9	11	16	11	19	22	19	153
18	19	8	---	7	10	27	15	12	14	18	23	149
19	19	13	---	11	8	44	13	10	11	19	22	136
20	16	70	---	6	7	17	9	16	14	16	25	142
21	17	92	1	12	7	13	15	16	13	19	20	178
22	12	44		12	77	8	18	5	15	23	18	200
23	11	21	3	7	28	7	19	2	11	30	19	227
24	11	13	17	5	11		16	5	12	40	20	220
25	5	3	30	6	8	9	14	7	18	38	22	219
26	16	7	23	7	14	14	16	10	12	18	29	194
27	8	3	38	7	16	11	17	16	9	14	36	186
28	12	1	16	5	6	6	17	14	11	14	37	183
29	9	78	3	10	5	8	19	12	10	20	31	114
30	9	35		6	---	8	14	10	16	20	40	41
31	7	---		5	---	8	---	10	---	20	37	---
TOTAL	406	562	270	175	368	486	428	365	351	625	710	3725
MEAN	13	19	9	6	13	16	14	12	12	20	23	124
MAX	24	228	64	17	202	202	35	21	26	360	48	240
MIN	1	0	---	---	3	3	1	1	3	9	15	---
AC_FT	806	1114	535	348	731	964	848	723	696	1240	1407	7388

WTR YR 2020 TOTAL 8470 MEAN 23 MAX 360 MIN --- AC_FT 16800

NOTE: There is almost always a base flow at this location, of undetermined origin.

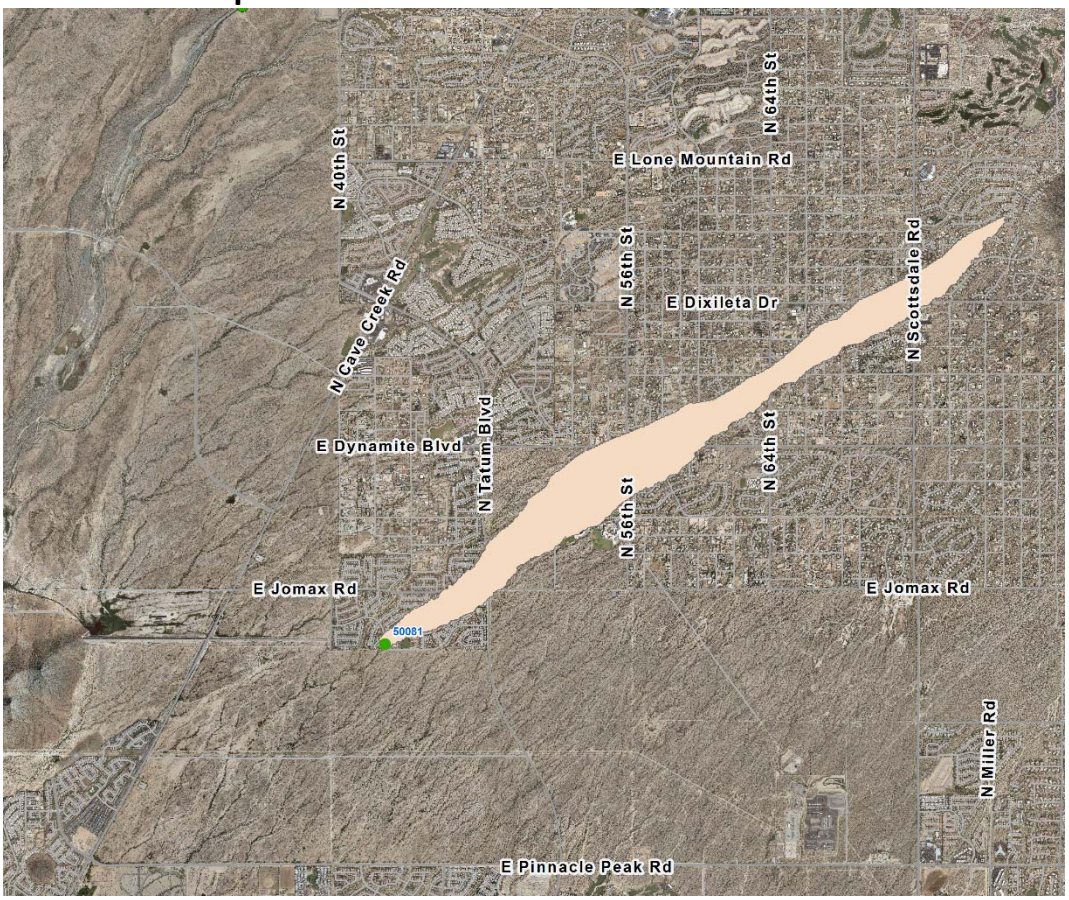
Prickly Pear Wash, ID #8107

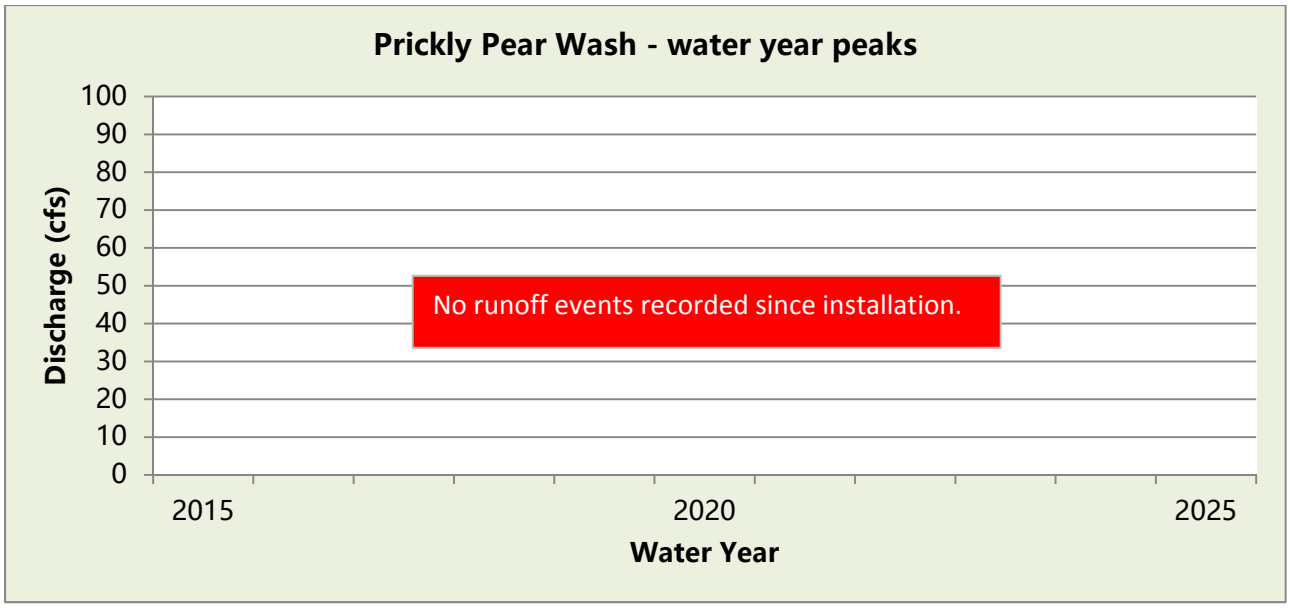


Site Data

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	3.33 Years | 1,218 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event

There was no runoff events recorded in Water Year 2020.

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 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

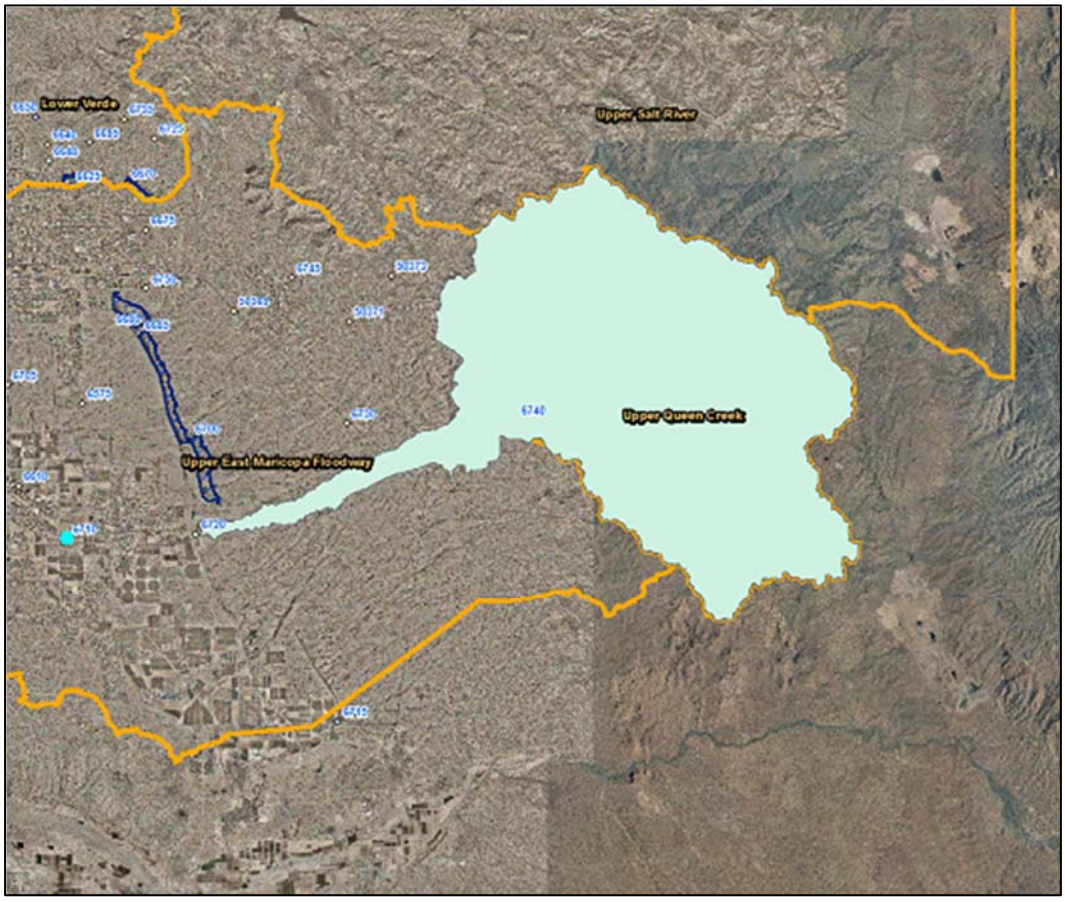
Queen Creek at CAP, ID #38007

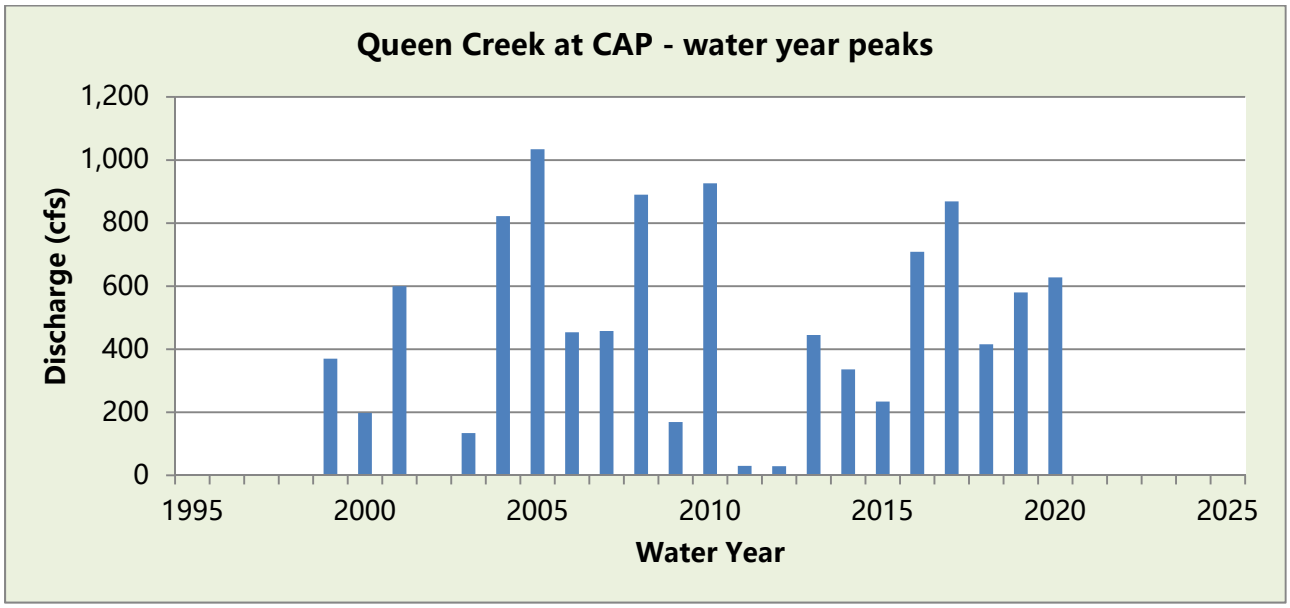


Site Data

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	21.71 Years | 7,931 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

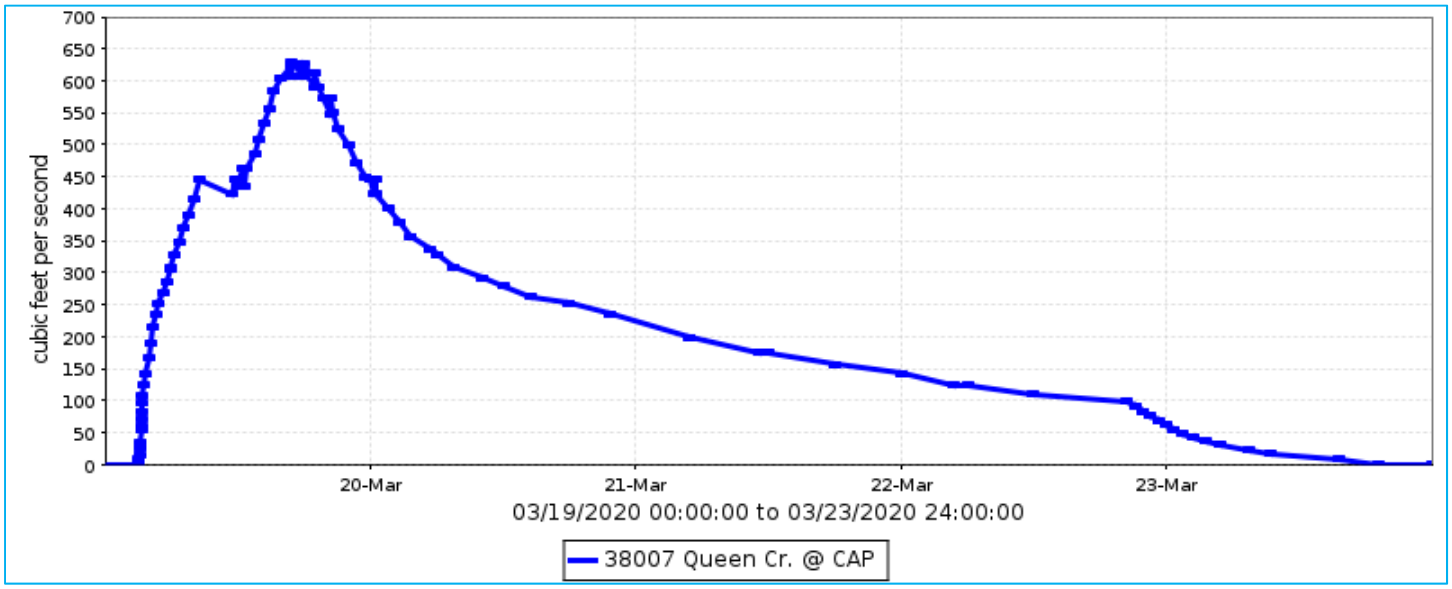




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/21/2019	3.50	265
11/29/2019	4.80	481
12/25/2019	3.58	277
12/28/2019	5.00	518
02/23/2020	4.33	396
03/13/2020	3.06	195
03/19/2020	5.65	628

Hydrograph of peak WY 2020 flow event, 03/19/2020



Flood Flow Frequency

Flood Frequency cannot be calculated due to the metering and limit of the culvert inlets..

Queen Creek at CAP, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			7									
2												
3												
4												
5												
6												
7					---							
8					---							
9					---							
10												
11												
12												
13						78						
14						139						
15						19						
16												
17												
18												
19						398						
20						303						
21		174				189						
22		167				117						
23		74			192	21						
24		2			163							
25			152		20							
26			123									
27			182									
28			371									
29		206	212									
30		194	126		---							
31		---	28		---		---		---			---
TOTAL	0	817	1200	0	374	1263	0	0	0	0	0	0
MEAN	0	27	39	0	13	41	0	0	0	0	0	0
MAX	0	481	518	0	396	628	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1620	2381	0	743	2506	0	0	0	0	0	0

WTR YR 2020 TOTAL 3655 MEAN 10 MAX 628 MIN 0 AC_FT 7249

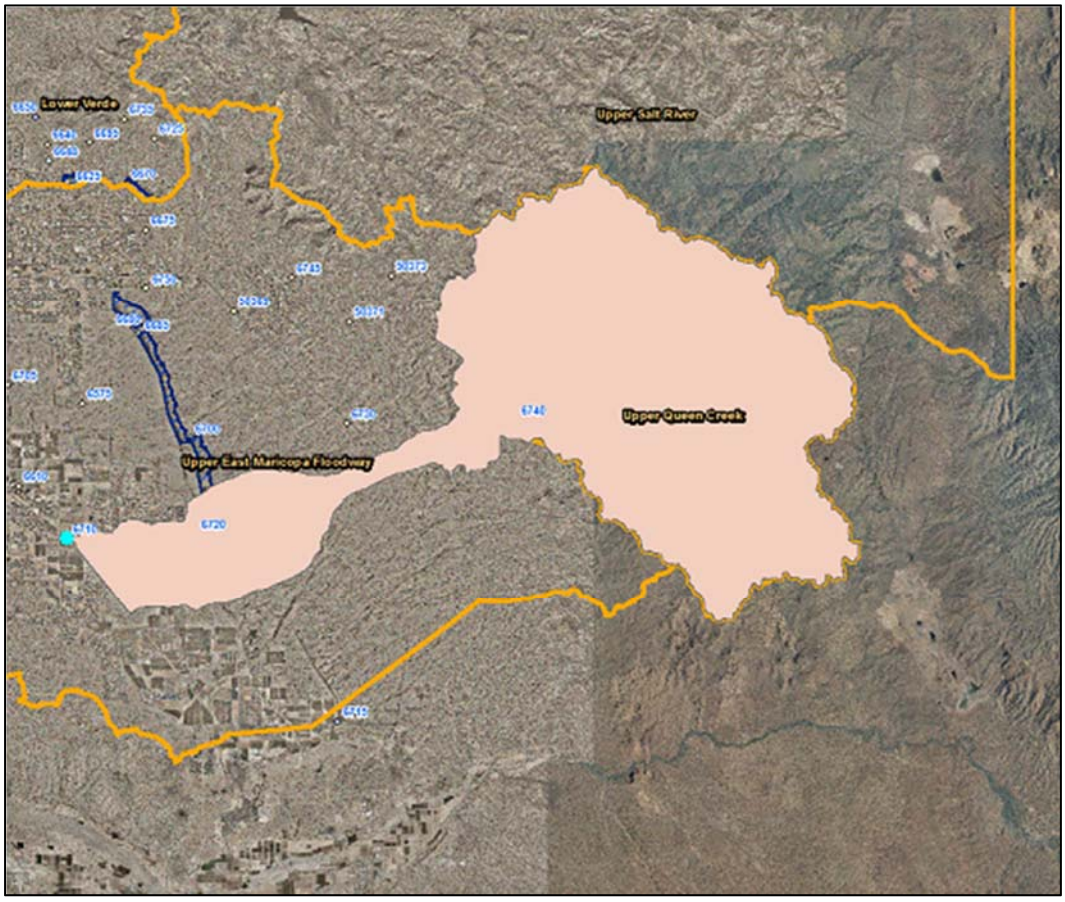
Queen Creek at Rittenhouse Road, ID #37707

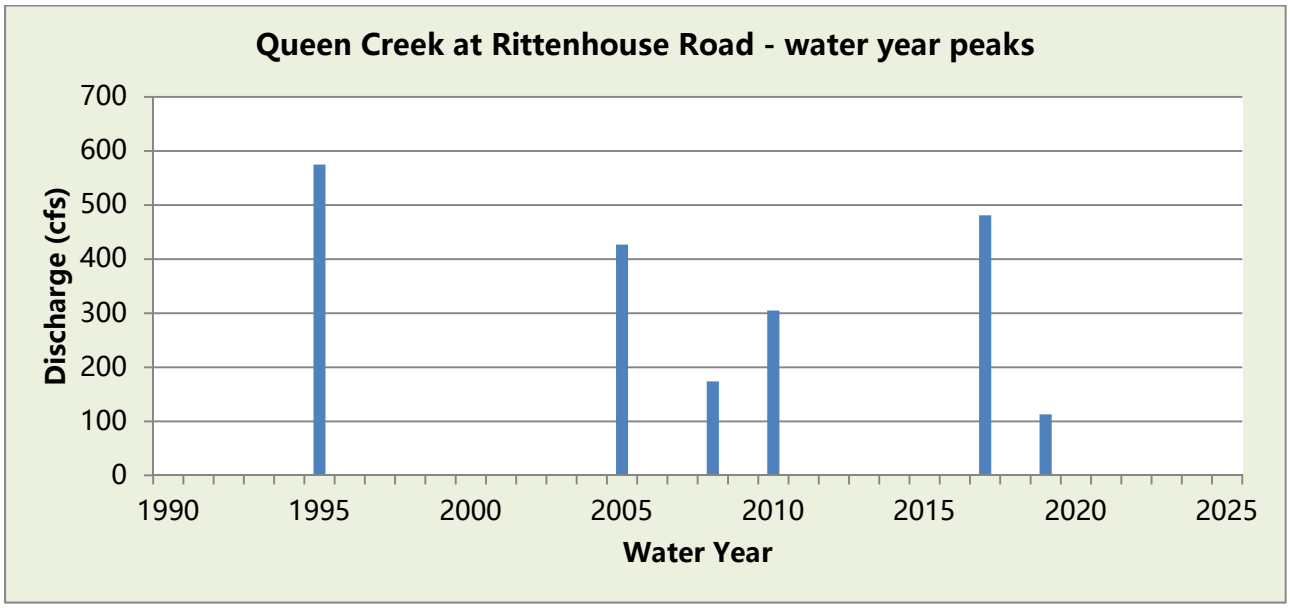


Site Data

LOCATION	At the Queen Creek crossing of Rittenhouse Road
DRAINAGE AREA	236 mi^2
STREAM TYPE	Natural Stream at culvert
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	27.05 Years | 9,879 Days
DATA GAPS IN POR	05/28/2014 - 06/29/2014, 09/18/2019 – 07/22/2020
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,438.00 feet NAVD88
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	575 cfs | 2.25 feet | 01/06/1995

Watershed Map





WY2020 Events

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

Hydrograph of peak WY 2020 flow event

Station was out of service for construction from October 1, 2019 to July 22, 2020. No runoff recorded from July 22, 2020 through September 30, 2020.

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 2019 to September 2020

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
MEAN	---	---	---	---	---	---	---	---	---	0	0	0
MAX	---	---	---	---	---	---	---	---	---	0	0	0
MIN	---	---	---	---	---	---	---	---	---	0	0	0
AC_FT	---	---	---	---	---	---	---	---	---	0	0	0

WTR YR 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

NOTE: Station was out of service from October 1, 2019 to July 22, 2020.

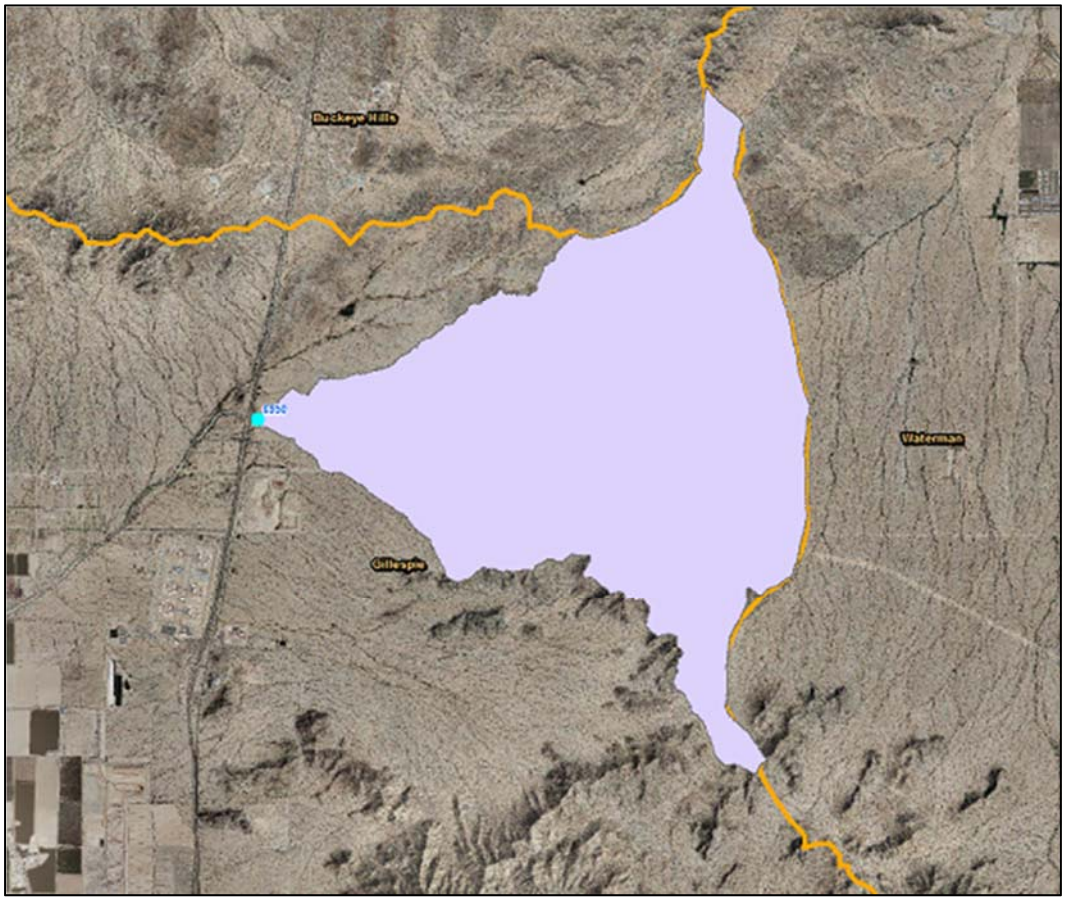
Rainbow Wash, ID #42807

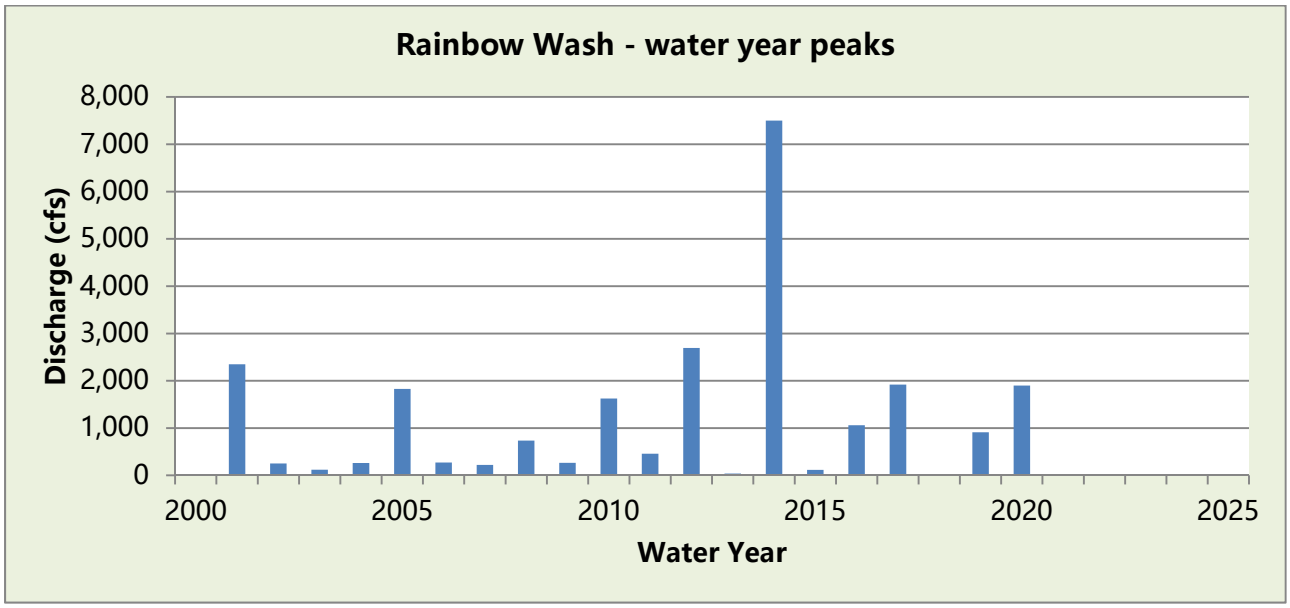


Site Data

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	19.90 Years | 7,269 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

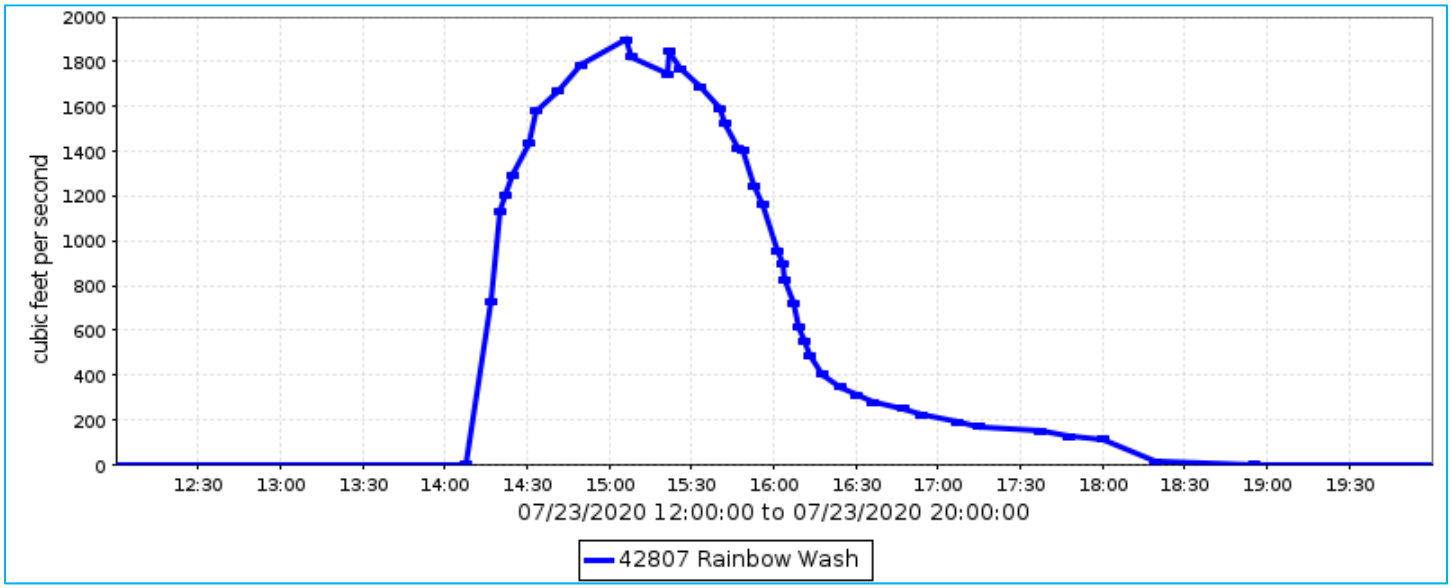




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	0.72	50
11/20/2019	0.70	62
11/29/2019	2.17	483
03/13/2020	2.90	874
03/13/2020	2.37	592
03/18/2020	1.74	300
07/23/2020	3.84	1,899

Hydrograph of peak WY 2020 flow event, 07/23/2020



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**
584	**1,800**	**3,180**	**5,030**	**8,310**	**11,500**

NOTE: These results are based on limited data.

Rainbow Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						19						
13						81						
14												
15												
16												
17												
18						26						
19												
20		6										
21												
22												
23										140		
24												
25												
26												
27												
28												
29		36										
30					---							
31		---			---		---		---			---
TOTAL	0	42	0	0	0	127	0	0	0	140	0	0
MEAN	0	1	0	0	0	4	0	0	0	5	0	0
MAX	0	483	0	0	0	874	0	0	0	1899	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	84	0	0	0	251	0	0	0	277	0	0

WTR YR 2020 TOTAL 309 MEAN 1 MAX 1899 MIN 0 AC_FT 612

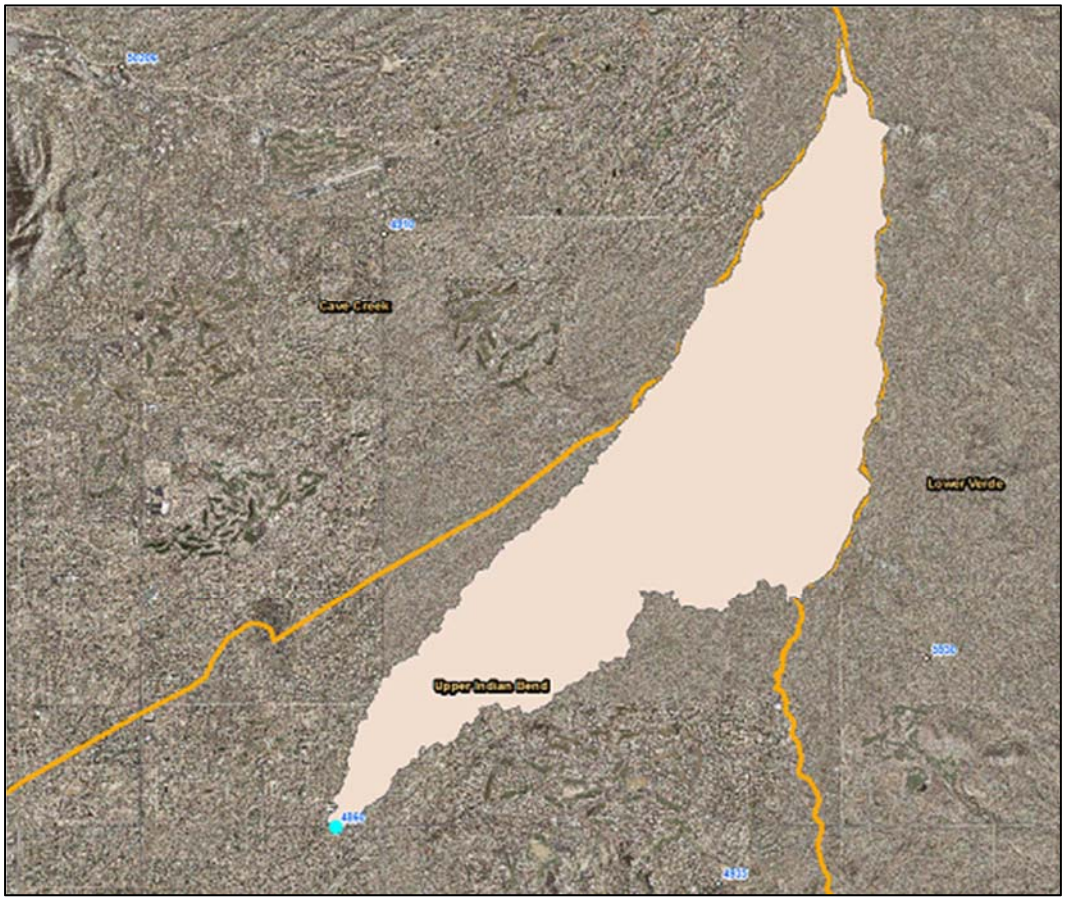
Rawhide Wash, ID #61007

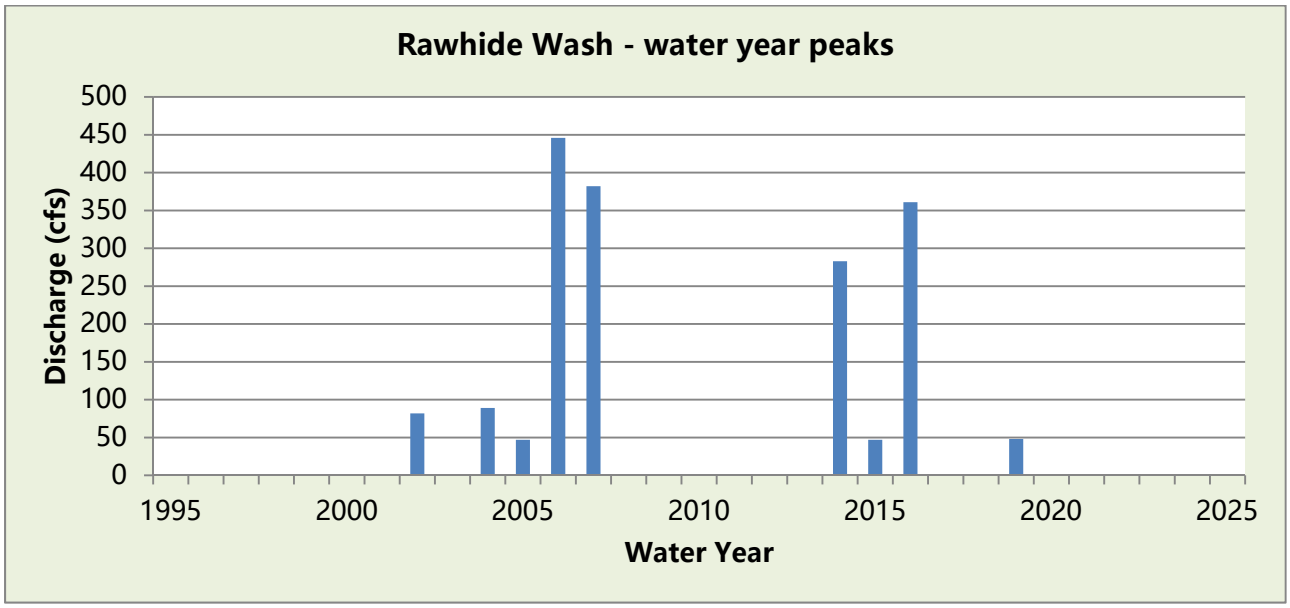


Site Data

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	21.18 Years | 7,737 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
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7					---							
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9					---							
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24												
25												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

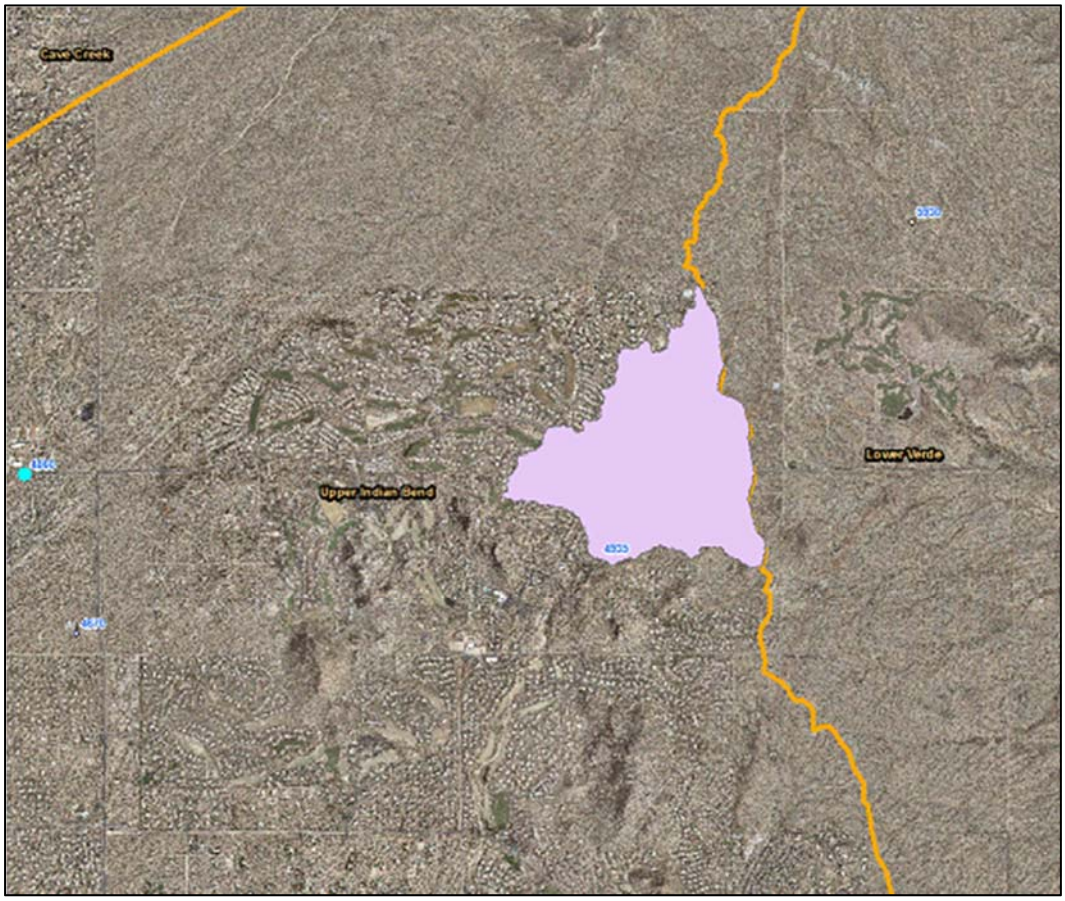
Reata Pass Dam, ID #61207

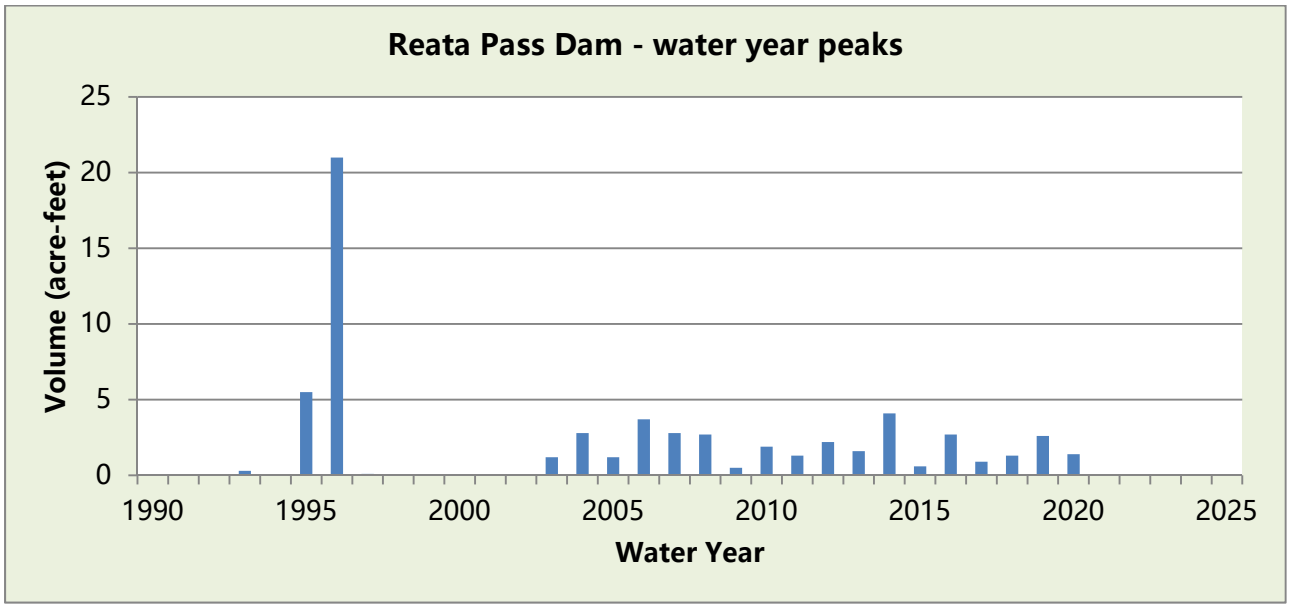


Site Data

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	19.00 Years | 6,939 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

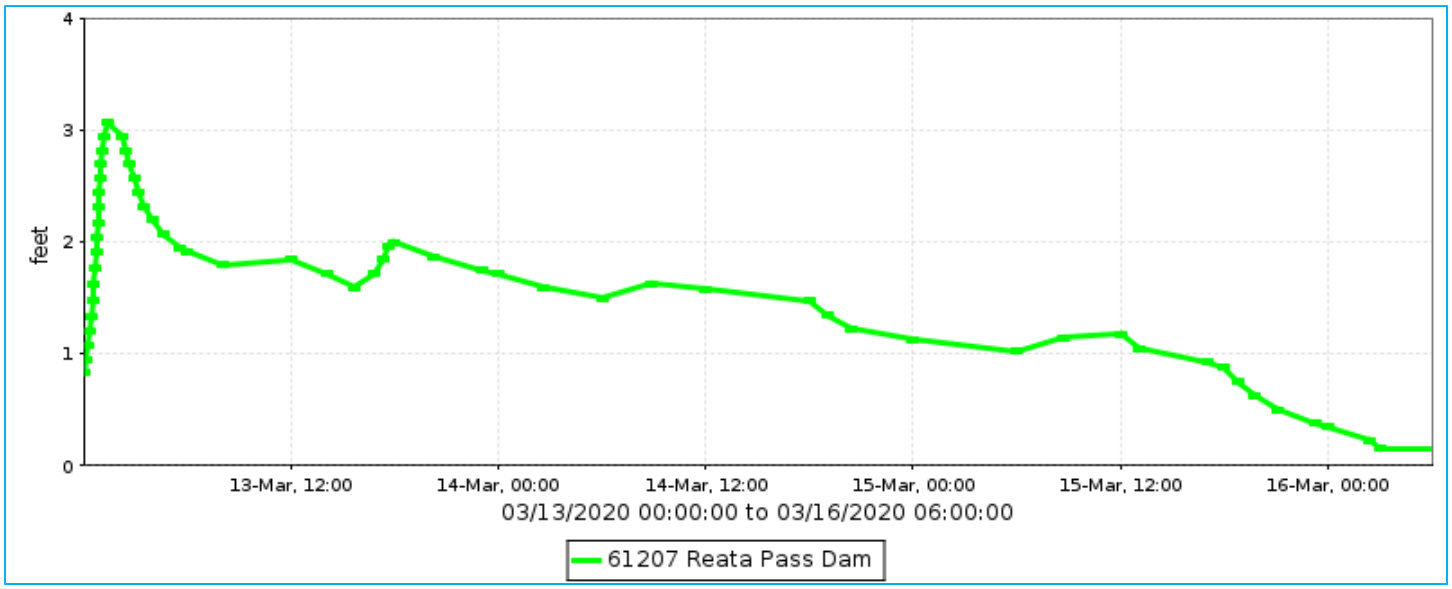




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	1.34	0.1	0.0
11/20/2019	1.17	0.0	0.0
11/29/2019	1.49	0.3	0.8
12/09/2019	2.41	0.8	1.8
12/24/2019	0.69	0.0	0.0
12/25/2019	1.12	0.0	0.0
12/27/2019	0.79	0.0	0.0
02/11/2020	1.96	0.5	1.2
02/22/2020	2.09	0.6	1.4
03/11/2020	2.21	0.7	1.5
03/13/2020	3.06	1.4	2.9
03/18/2020	1.89	0.5	1.1

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Reata Pass Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
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5												
6												
7												
8												
9			5									
10												
11					7	11						
12						3						
13						20						
14						7						
15						1						
16												
17												
18						1						
19												
20												
21												
22					9							
23					1							
24												
25												
26												
27												
28												
29		1										
30					---							
31		---			---		---		---			---
TOTAL	0	1	5	0	17	43	0	0	0	0	0	0
MEAN	0	0	0	0	1	1	0	0	0	0	0	0
MAX	0	6	44	0	24	73	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	2	10	0	34	85	0	0	0	0	0	0

WTR YR 2020 TOTAL 66 MEAN 0 MAX 73 MIN 0 AC_FT 131

Reata Pass Dam, volume data

Volume, in Acre-Feet, Water Year October 2019 to September 2020

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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8												
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10												
11												
12												
13						1						
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29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	1	0	1	1	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 1 MIN 0

Reata Pass Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.6	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	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	1.4	1.2	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.3	1.2	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	1.9	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	1.5	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.2	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	0.4	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.4	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	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.4	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	0.2	0.2	0.1	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1
MAX	0.1	1.5	2.4	0.1	2.1	3.1	0.1	0.1	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 2020 MEAN 0.18 MAX 3.06 MIN 0.15

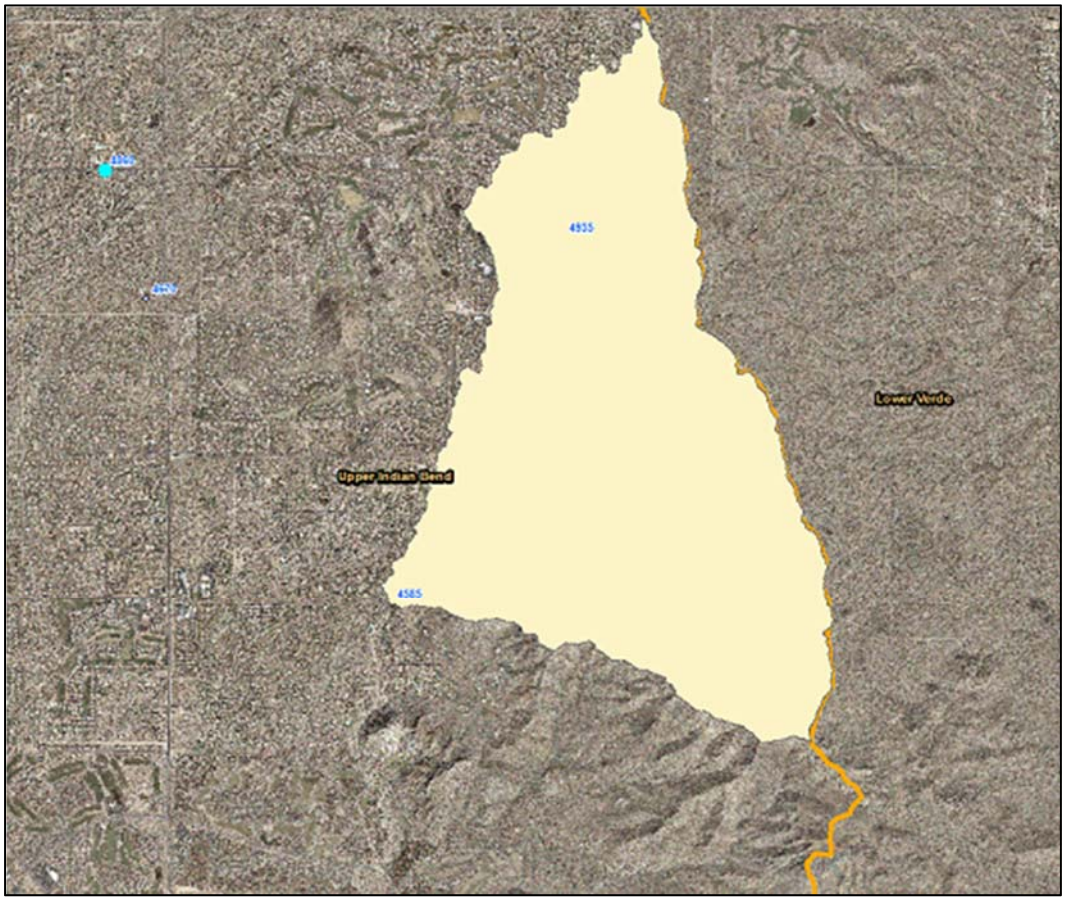
Reata Pass Wash – ID #60007

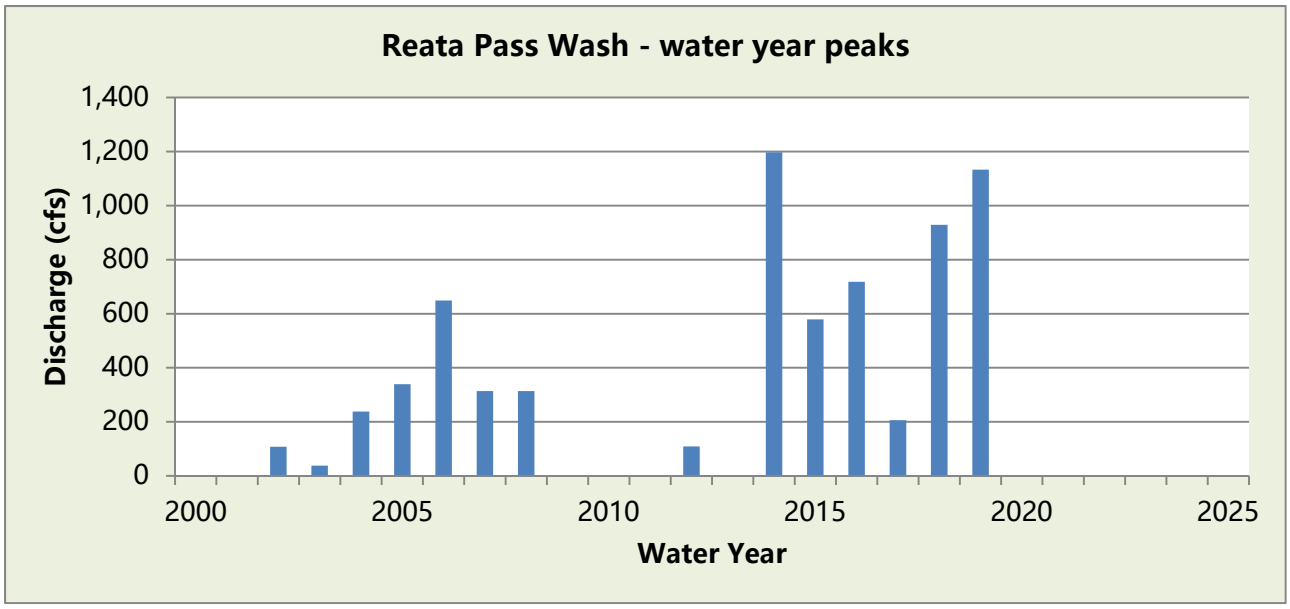


Site Data

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	19.38 Years | 7,079 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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
106	662	1,460	2,580	4,510	6,260

Reata Pass Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

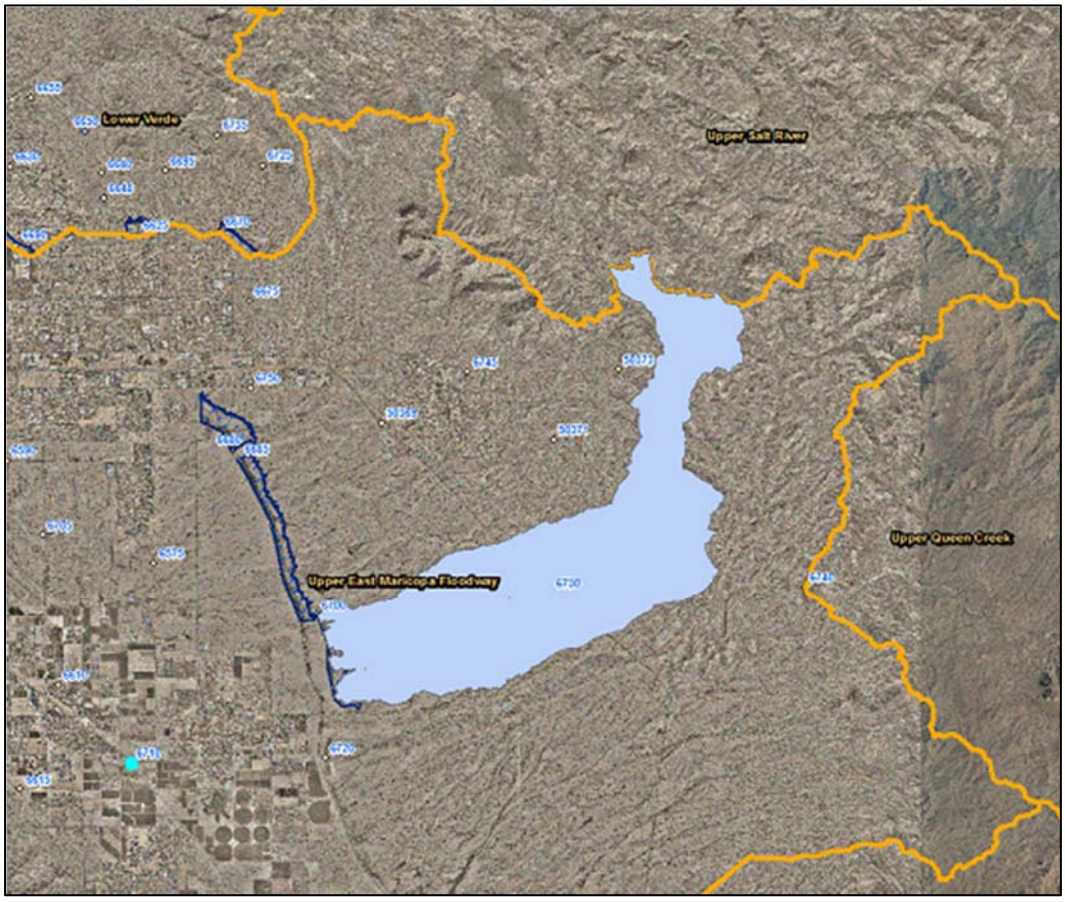
Rittenhouse FRS, ID #37207

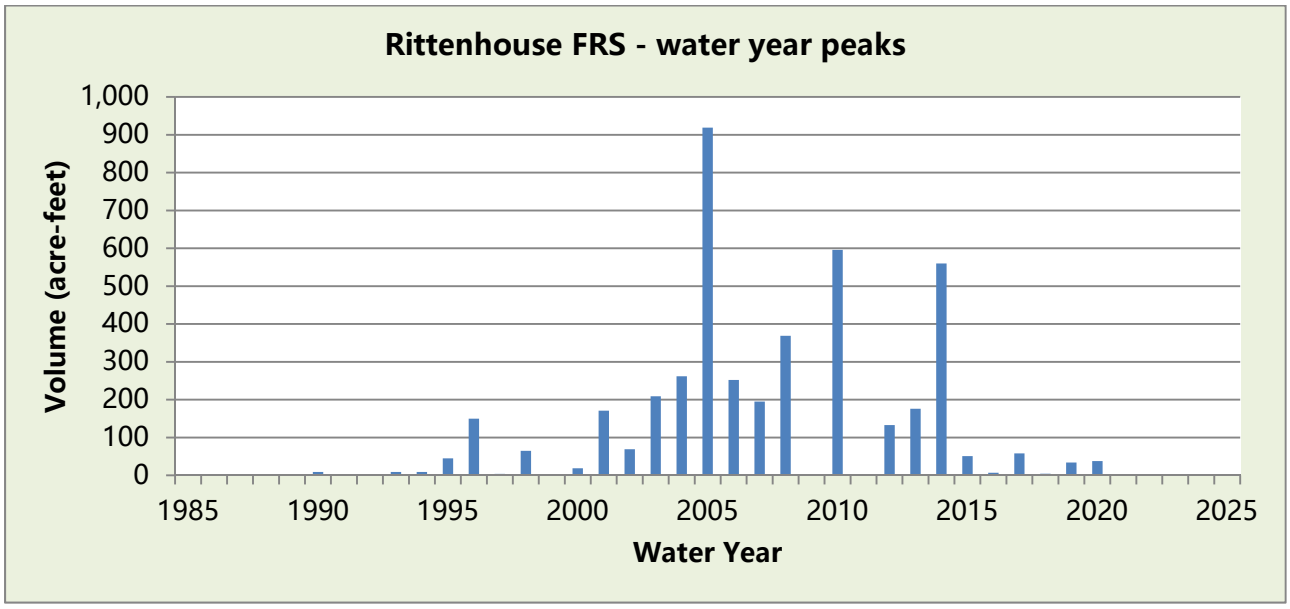


Site Data

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	32.01 Years | 11,692 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

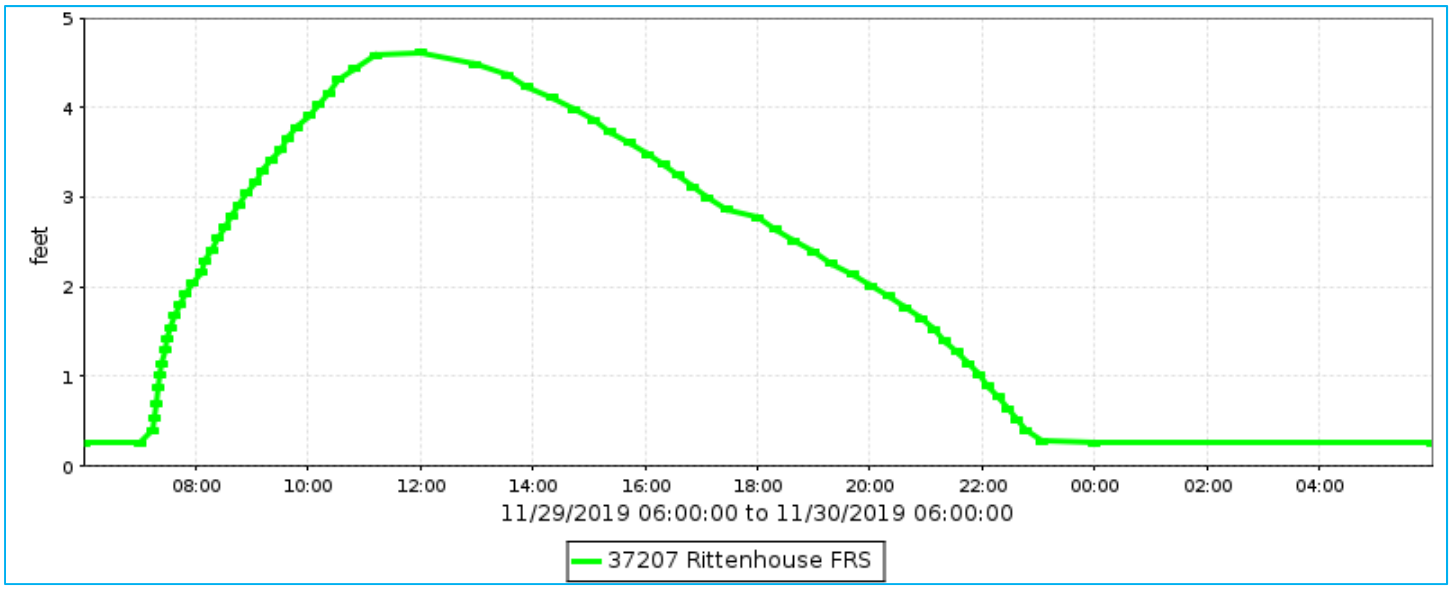




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	1.22	1.9	0.0
11/20/2019	0.77	0.7	0.0
11/21/2019	2.04	5.4	0.1
11/29/2019	4.58	38.0	1.0
12/24/2019	1.32	2.3	0.0
12/27/2019	1.02	1.1	0.0
03/18/2020	1.42	2.7	0.0
08/30/2020	1.34	2.4	0.0

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Rittenhouse FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						2						
19						1						
20		2										
21		5										
22		2										
23												
24			1									
25			2									
26												
27			3									
28												
29		25										
30					---						1	
31		---			---		---		---			---
TOTAL	0	34	6	0	0	3	0	0	0	0	1	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	0	62	10	0	0	11	0	0	0	0	10	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	68	12	0	0	6	0	0	0	0	2	0

WTR YR 2020 TOTAL 45 MEAN 0 MAX 62 MIN 0 AC_FT 88

Rittenhouse FRS, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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		1										
22		1										
23												
24												
25												
26												
27												
28												
29		12										
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	39	2	0	0	3	0	0	0	0	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 39 MIN 0

Rittenhouse FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.5	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.5	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	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.4	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	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	2.1	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	0.4	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2
MAX	0.2	4.6	1.3	0.2	0.2	1.4	0.2	0.2	0.2	0.2	1.3	0.2
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 2020 MEAN 0.26 MAX 4.61 MIN 0.25

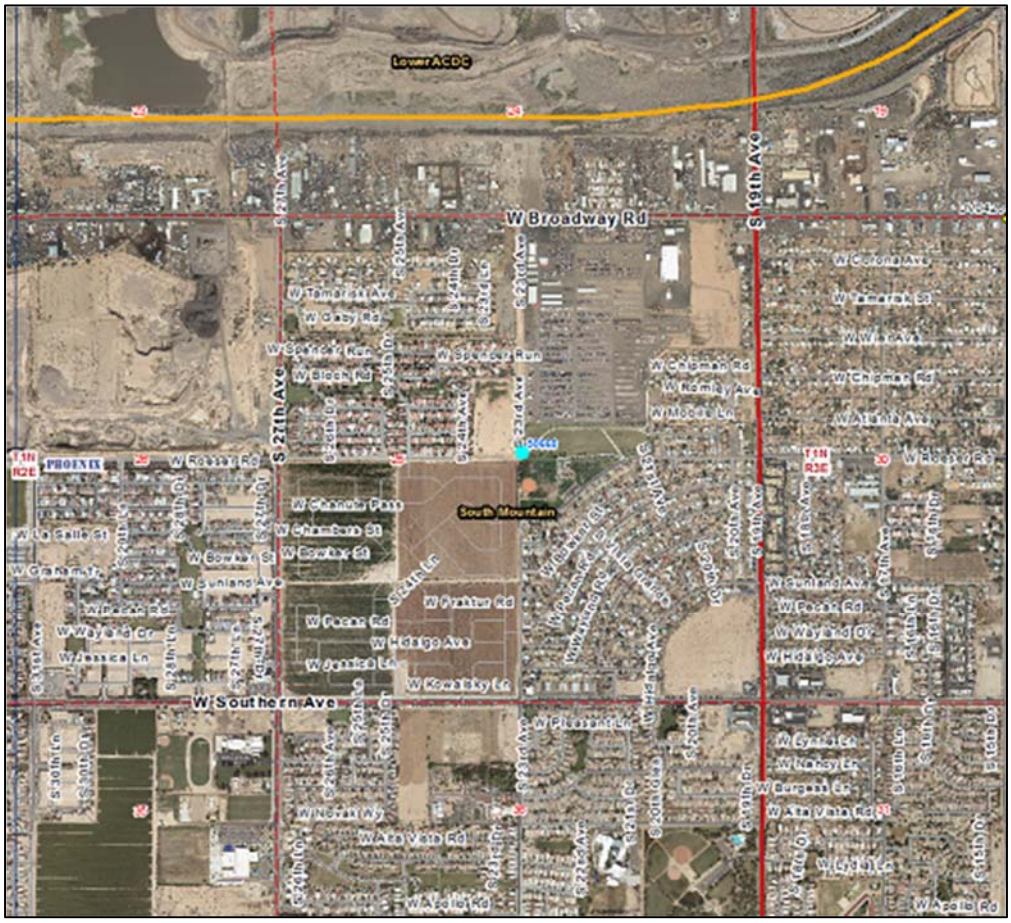
Roeser Road at 23rd Avenue Basin, ID #66807

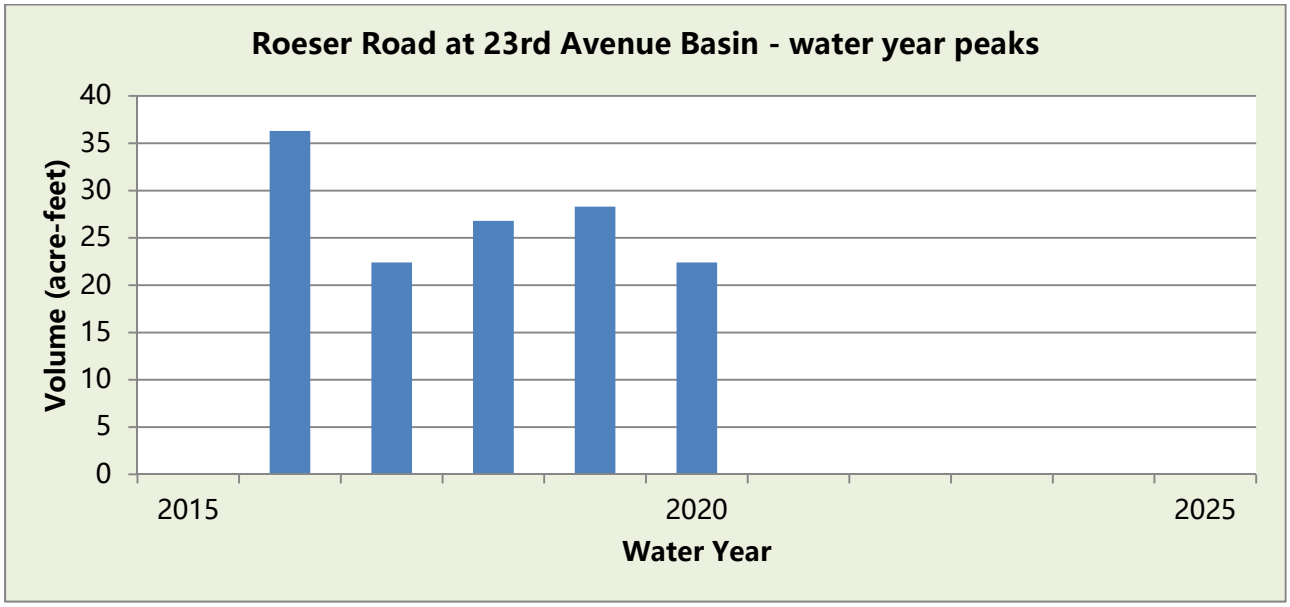


Site Data

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	5.00 Years | 1,827 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

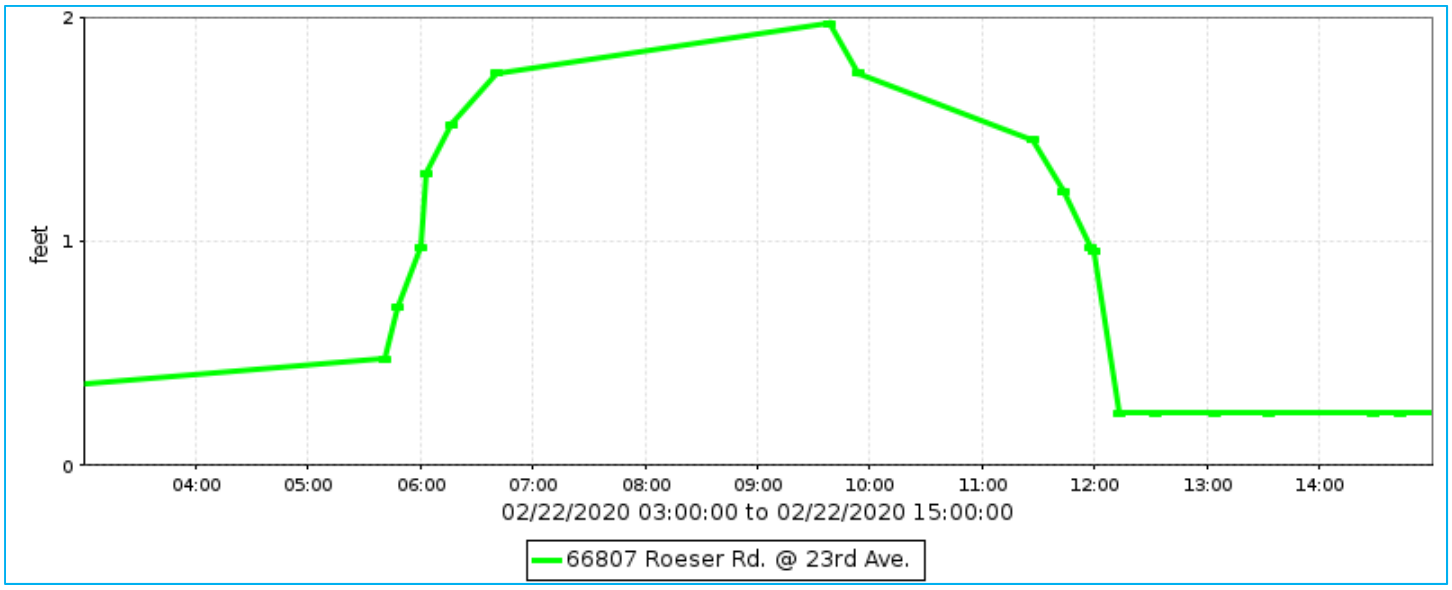




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/19/2019	1.07	12.2	9.0
11/20/2019	1.00	11.4	8.4
11/21/2019	1.97	22.4	16.4
11/29/2019	1.67	18.9	13.9
12/07/2019	0.67	7.6	5.6
12/24/2019	0.77	8.8	6.5
12/25/2019	0.70	8.0	5.9
12/26/2019	0.70	8.0	5.9
01/21/2020	0.85	9.7	7.1
02/11/2020	1.70	19.3	14.1
02/22/2020	1.97	22.4	16.4
03/10/2020	1.35	15.3	11.3
03/11/2020	1.70	19.3	14.1
03/12/2020	1.57	17.8	13.1
03/12/2020	1.75	19.9	14.6
03/13/2020	1.80	20.4	15.0
03/13/2020	1.12	12.7	9.4
03/18/2020	1.10	12.5	9.2
05/10/2020	1.17	13.3	9.8

Hydrograph of peak WY 2020 impoundment event, 02/22/2020



Roeser Road at 23rd Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

NOTE: There is currently no discharge rating at this location.

Roeser Road at 23rd Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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			1			1						
9												
10						2		1				
11					2	7						
12						5						
13						6						
14												
15												
16												1
17												
18						3						
19		2										
20		4										
21		6		2								
22					5							
23												
24			3									
25			2									
26			1									
27			1									
28												
29		4										
30					---							
31		---			---		---		---			---
MEAN	0	1	0	0	0	1	0	0	0	0	0	0
MAX	0	19	9	10	22	20	0	13	0	0	0	3
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 22 MIN 0

Roeser Road at 23rd Avenue Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.3	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	0.4	0.2	0.3	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.4	0.7	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.6	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	0.4	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.5	0.2	0.3	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	0.6	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	0.3	0.2	0.2	0.2	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.3	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	0.5	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	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	1.7	0.8	0.8	2.0	1.8	0.2	1.2	0.2	0.2	0.2	0.2
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 2020 MEAN 0.24 MAX 1.97 MIN 0.23

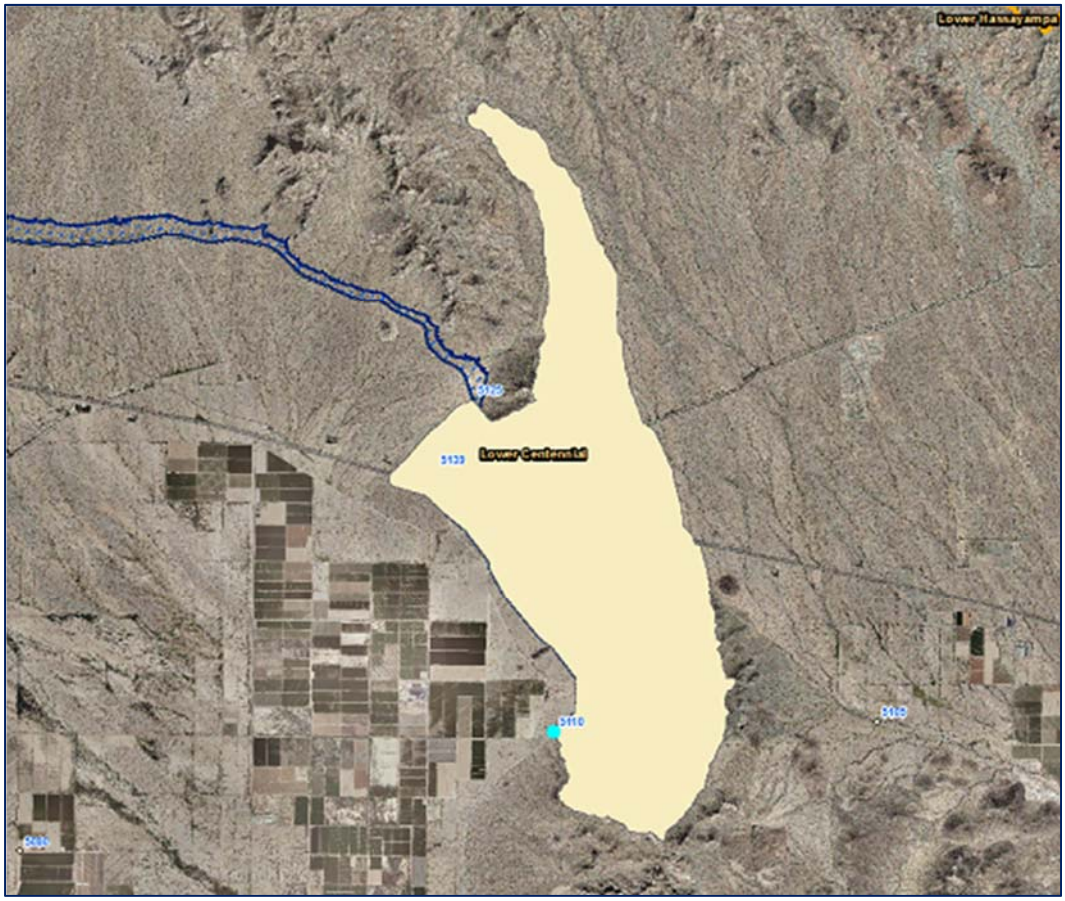
Saddleback FRS, ID #25207

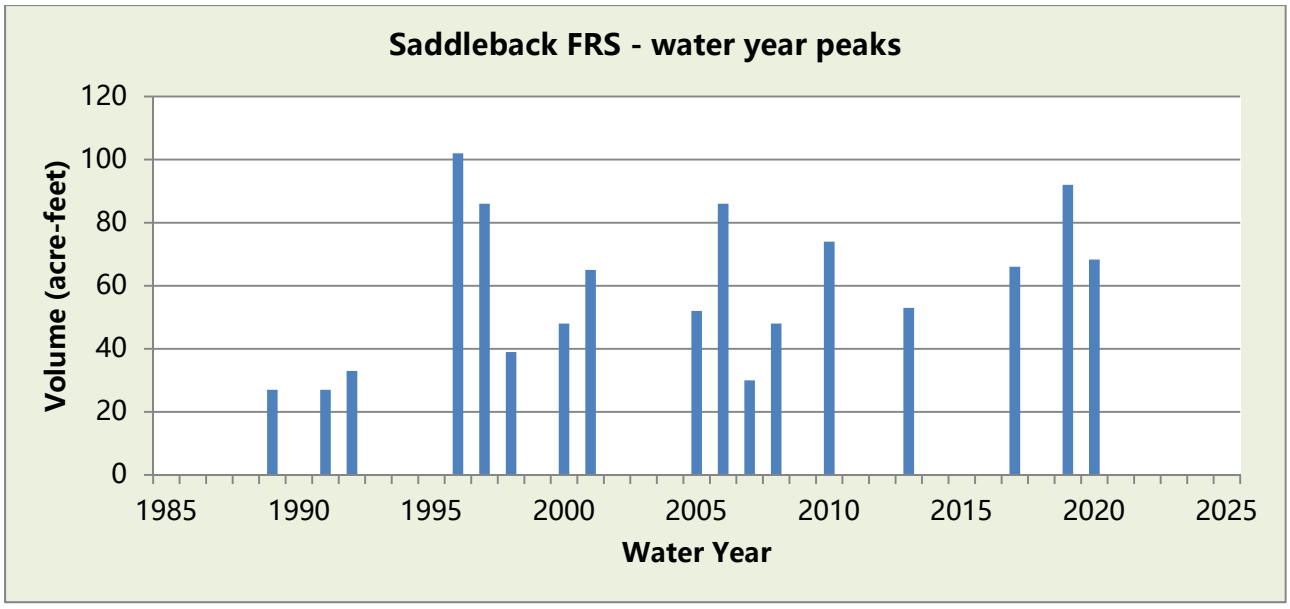


Site Data

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	31.79 Years | 11,612 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

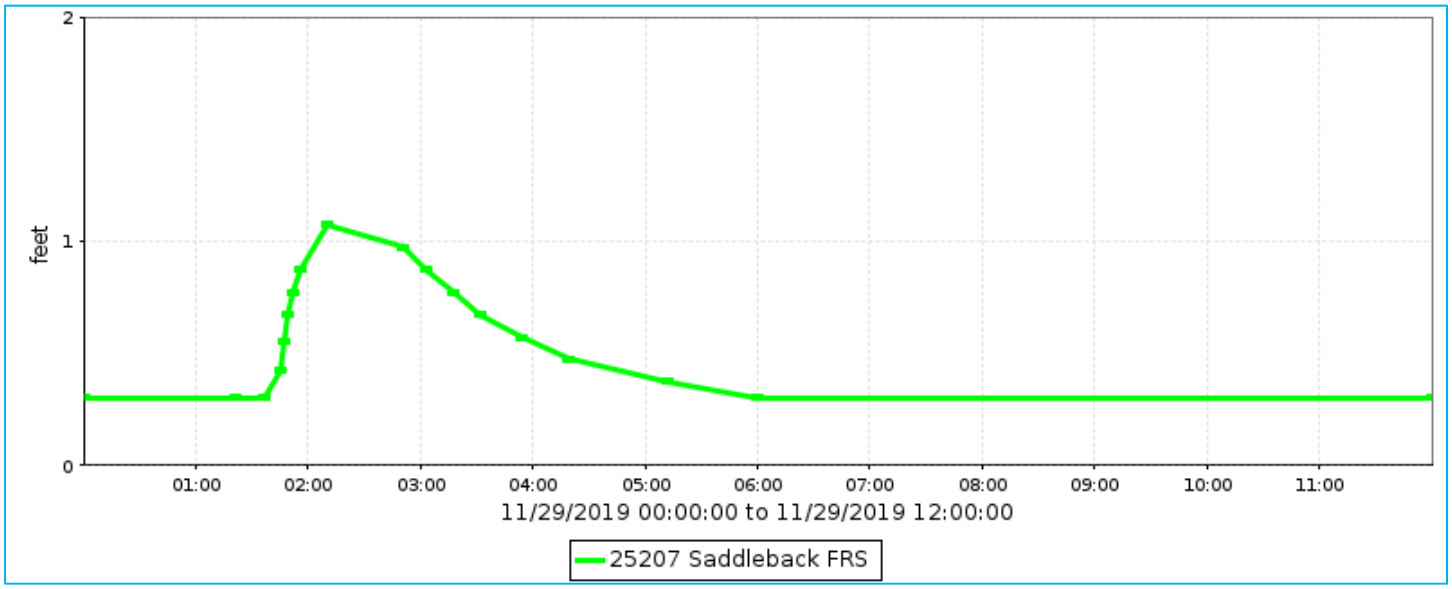




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Total Capacity
11/29/2019	1.07	68.3	1.0
03/13/2020	0.75	55.4	0.6

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Saddleback FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		1										
30					---							
31		---			---		---		---			---
TOTAL	0	1	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	37	0	0	0	2	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	3	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 1 MEAN 0 MAX 37 MIN 0 AC_FT 3

Saddleback FRS, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

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						11						
14												
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16												
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18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		9										
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	68	0	0	0	55	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 68 MIN 0

Saddleback FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.0	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	0.3
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	0.4	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	1.1	0.3	0.3	0.3	0.8	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 2020 MEAN 0.30 MAX 1.07 MIN 0.30

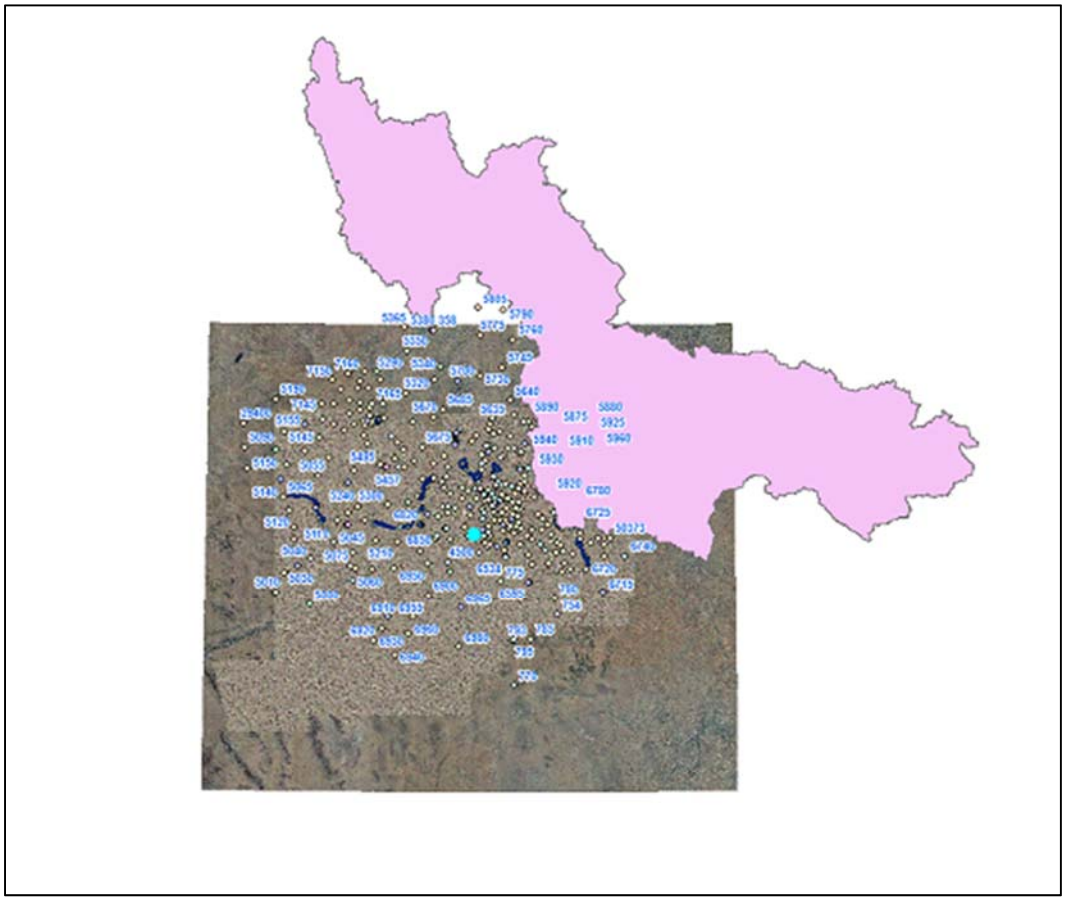
Salt River below Granite Reef Dam, ID #75307

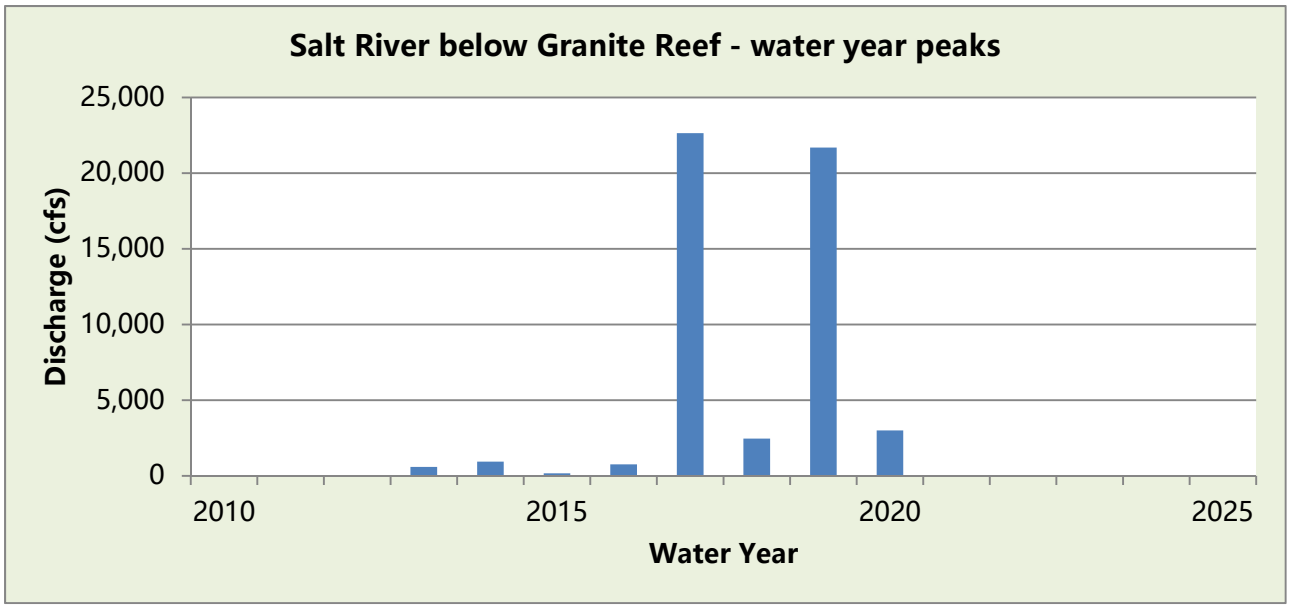


Site Data

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	8.50 Years | 3,104 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

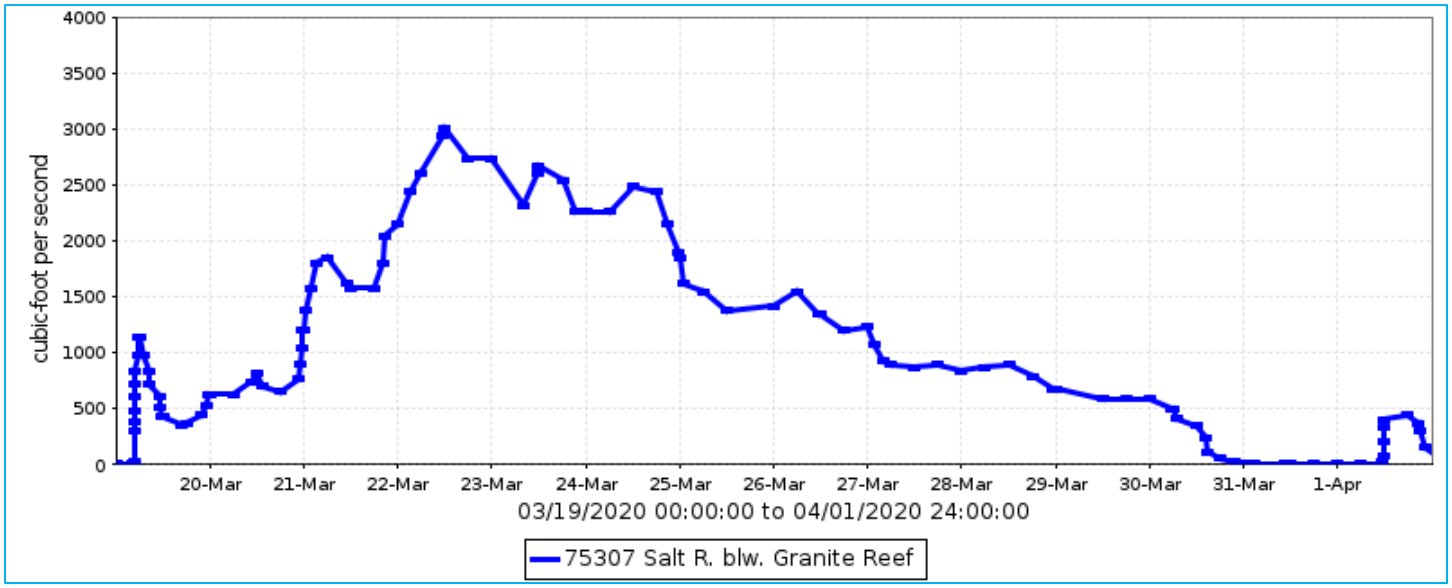




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/30/2019	6.88	1,083
12/28/2019	7.76	1,779
02/23/2020	8.40	2,467
02/23/2020	7.03	1,183
03/13/2020	8.30	1,032
03/19/2020	8.45	1,129
03/20/2020	7.91	808
03/21/2020	9.33	1,846
03/22/2020	10.31	3,004
03/23/2020	10.06	2,667
03/24/2020	9.91	2,479
03/26/2020	8.99	1,537
04/01/2020	7.03	440

Hydrograph of peak WY 2020 flow event, 03/22/2020



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			21		5		183					
2			21				22					
3			24									
4			23									
5			25		10							
6			25		21							
7			25		---							
8			25		---							
9			28	16	---							
10			27	16	13							
11			31	16								
12			31	16								
13			16	10		376						
14				10		387						
15			10	10		2						
16			27	10								
17			32	22								
18			31	22								
19			31	22		455						
20			31	21		675						
21			31	25		1706						
22			31	28	253	2661						
23			34	23	1145	2569						
24			35		1	2314						
25			39			1483						
26			43			1366						
27			49	5		924						
28			585	23		839						
29		17	105	23		625						
30	115	22		16	---	308						
31		---		16	---		---		---			---
TOTAL	115	39	1434	349	1515	16691	205	0	0	0	0	0
MEAN	4	1	46	11	52	538	7	0	0	0	0	0
MAX	1083	25	1779	31	2467	3004	440	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	228	77	2844	693	3005	33106	407	0	0	0	0	0

WTR YR 2020 TOTAL 20348 MEAN 56 MAX 3004 MIN 0 AC_FT 40360

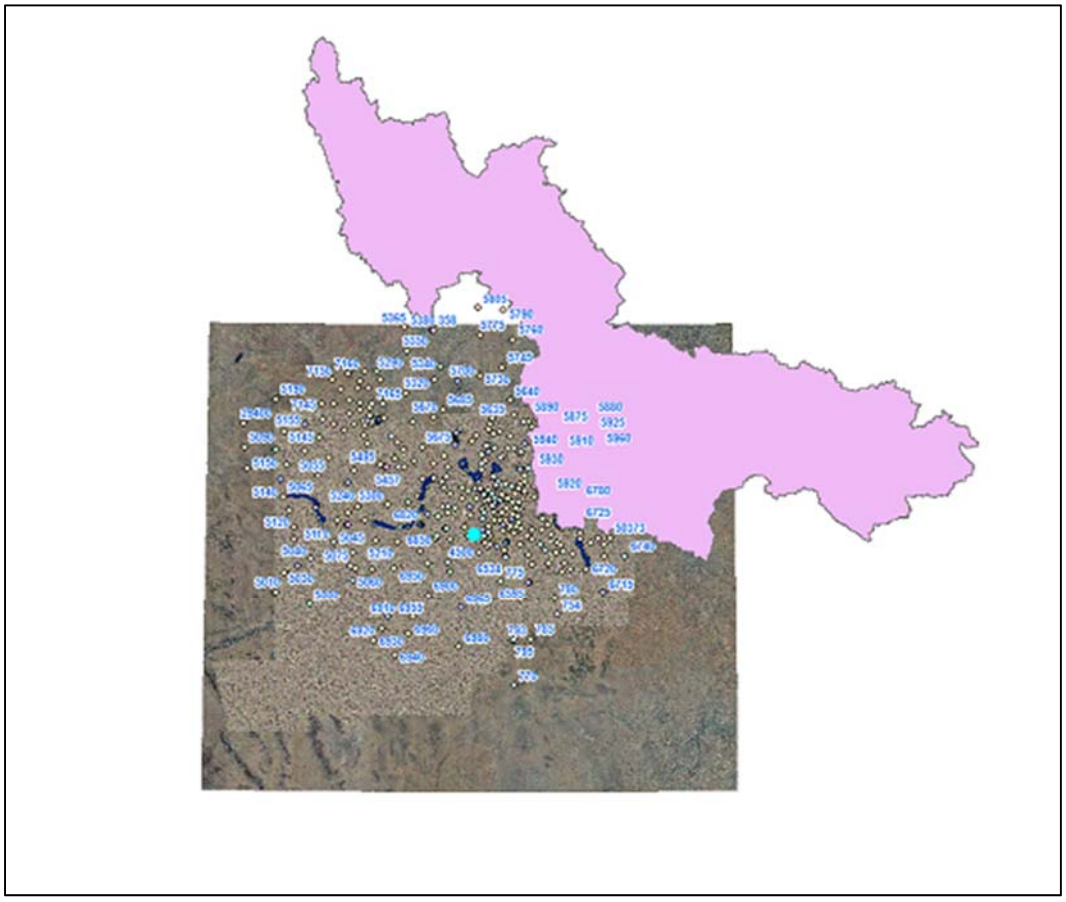
Salt River at Val Vista Drive, ID #39507

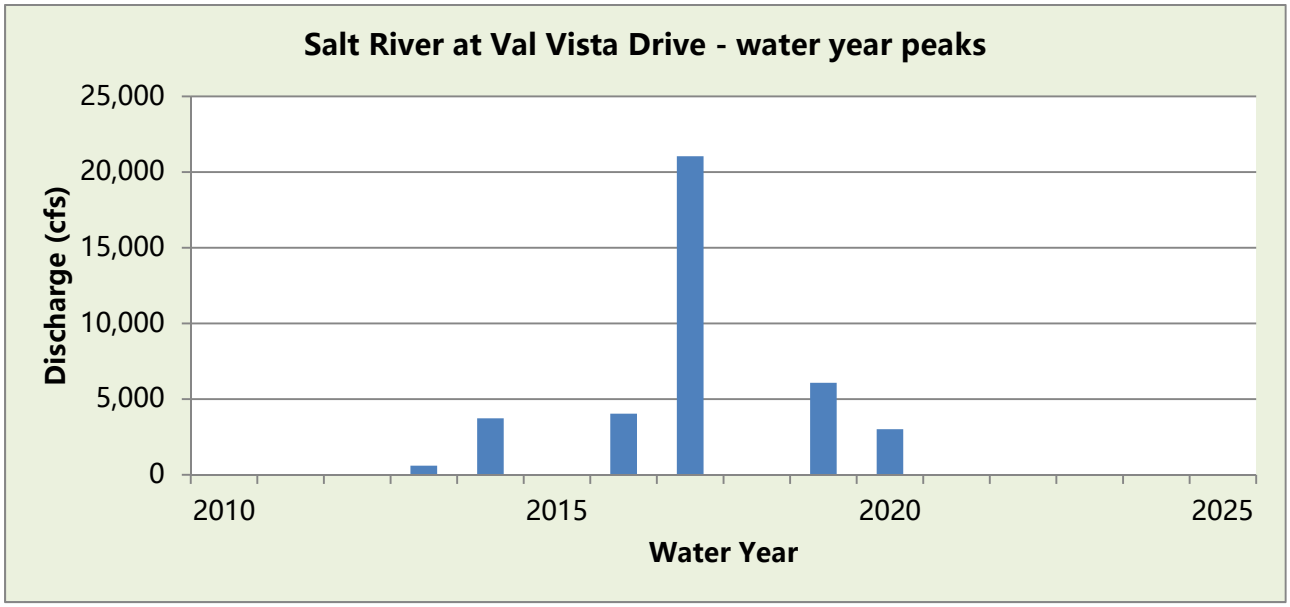


Site Data

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	9.47 Years | 3,458 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

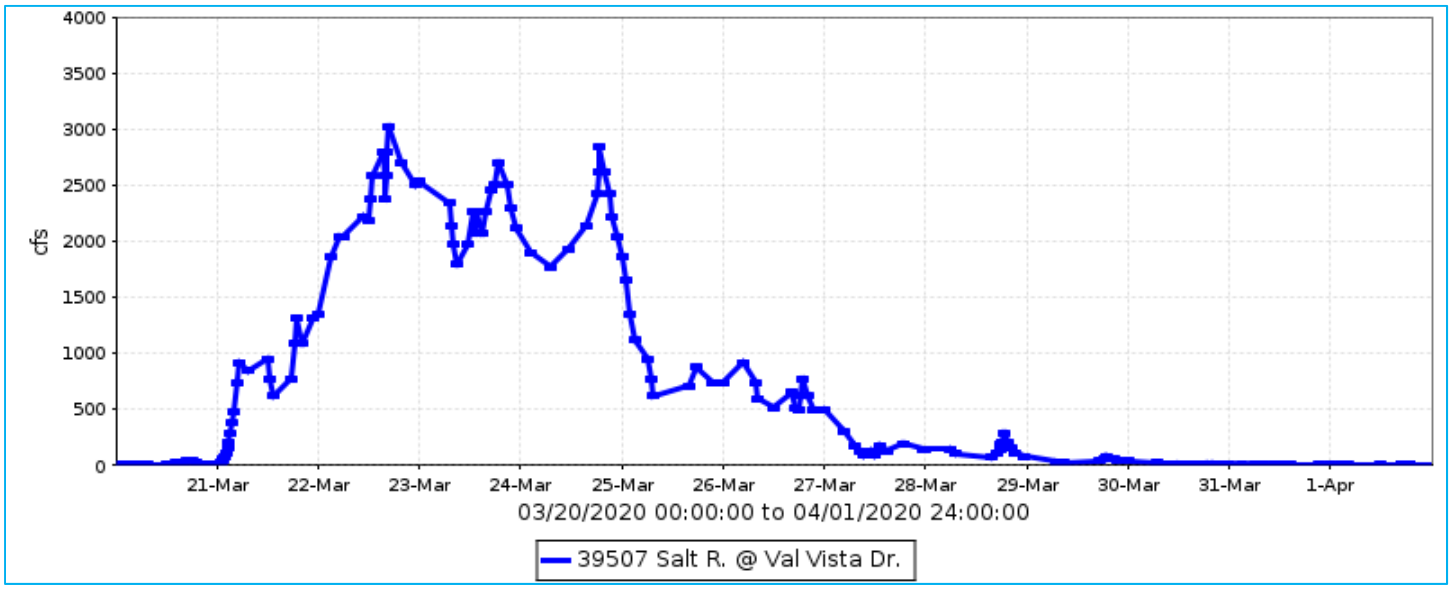




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
03/21/2020	3.61	944
03/22/2020	4.81	3,022
03/23/2020	4.63	2,699
03/24/2020	4.71	2,840
03/25/2020	3.56	868
03/26/2020	3.59	913
03/26/2020	3.49	770
03/28/2020	2.96	281

Hydrograph of peak WY 2020 flow event, 03/22/2020



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---						1					
2							1					
3												
4												
5												
6												
7					---							
8					---							
9					---							
10												
11												
12												
13												
14						1						
15												
16												
17												
18												
19												
20						11						
21						749						
22						2281						
23						2311						
24						2053						
25						874						
26						645						
27						226						
28						122						
29						42						
30					---	13						
31		---			---		---		---			---
TOTAL	0	0	0	0	0	9329	1	0	0	0	0	0
MEAN	0	0	0	0	0	301	0	0	0	0	0	0
MAX	0	0	0	0	0	3022	3	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	18504	3	0	0	0	0	0

WTR YR 2020 TOTAL 9330 MEAN 26 MAX 3022 MIN 0 AC_FT 18507

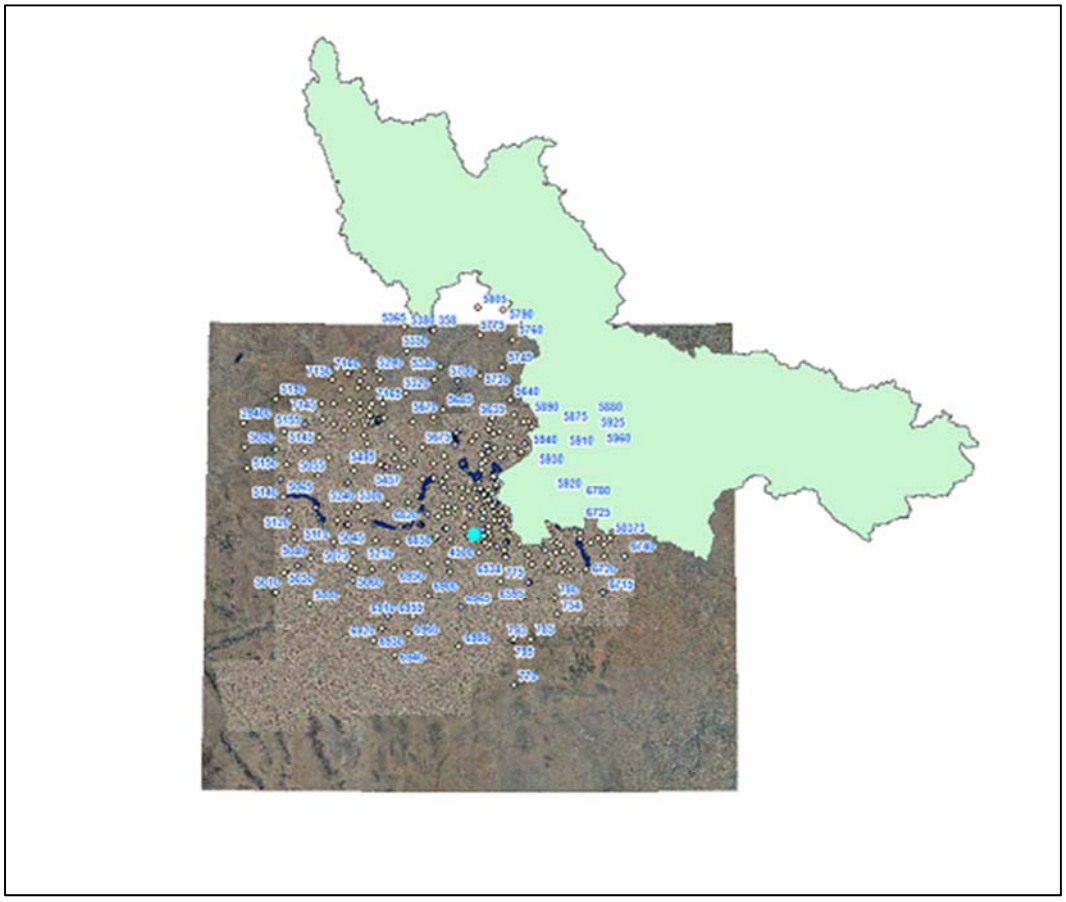
Salt River at Priest Drive, ID #67307

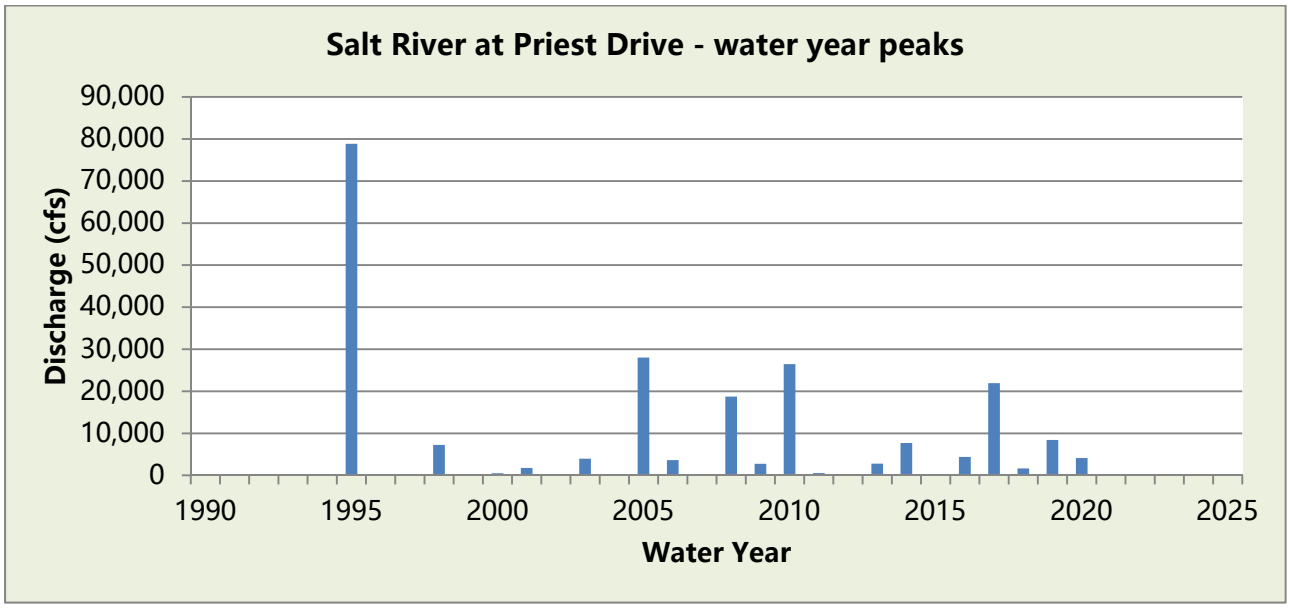


Site Data

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	26.82 Years | 9,795 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

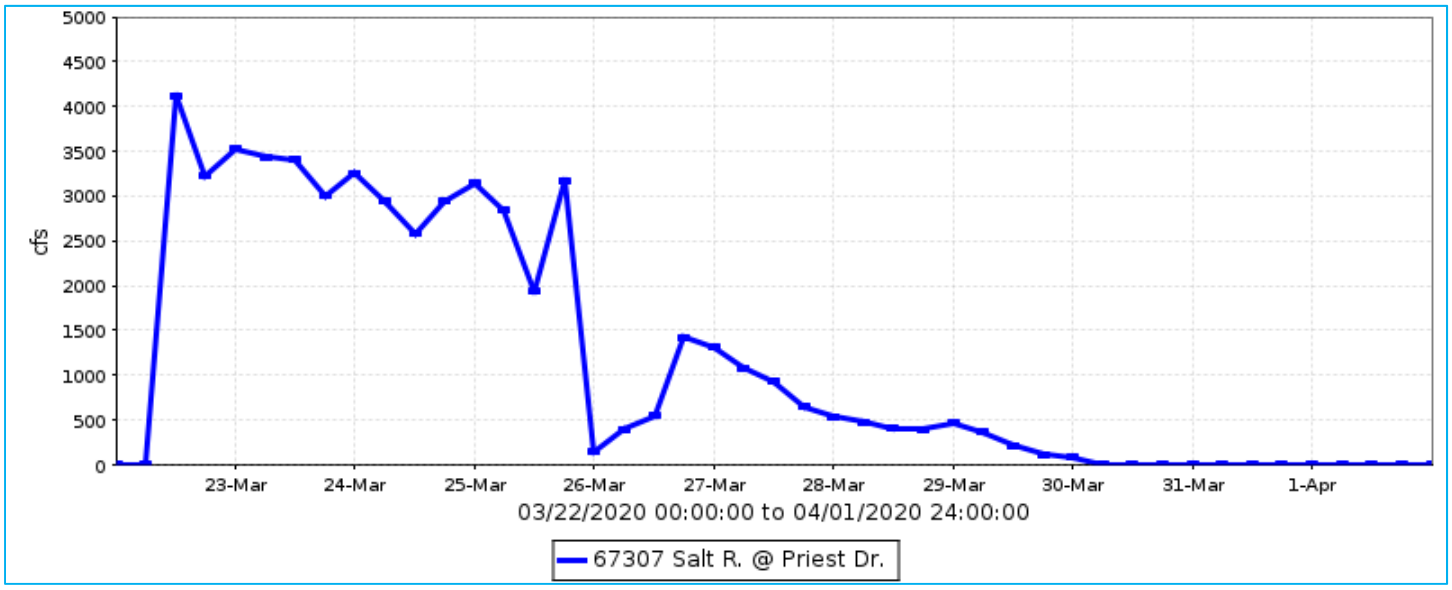




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
03/22/2020	5.93	4,119
03/23/2020	5.75	3,527
03/24/2020	5.66	3,256
03/25/2020	5.63	3,169
03/26/2020	4.98	1,421
03/29/2020	4.46	460

Hydrograph of peak WY 2020 flow event, 03/22/2020



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 2019 to September 2020

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						223						
14						37						
15												
16												
17												
18												
19												
20												
21												
22						1836						
23						3342						
24						2932						
25						2770						
26						627						
27						993						
28						452						
29						290						
30					---	20						
31		---			---		---		---			---
TOTAL	0	0	0	0	0	13522	0	0	0	0	0	0
MEAN	0	0	0	0	0	436	0	0	0	0	0	0
MAX	0	0	0	0	0	4119	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	26820	0	0	0	0	0	0

WTR YR 2020 TOTAL 13522 MEAN 37 MAX 4119 MIN 0 AC_FT 26820

See *USGS Water-Data Report AZ-20-1* for official data for this site.

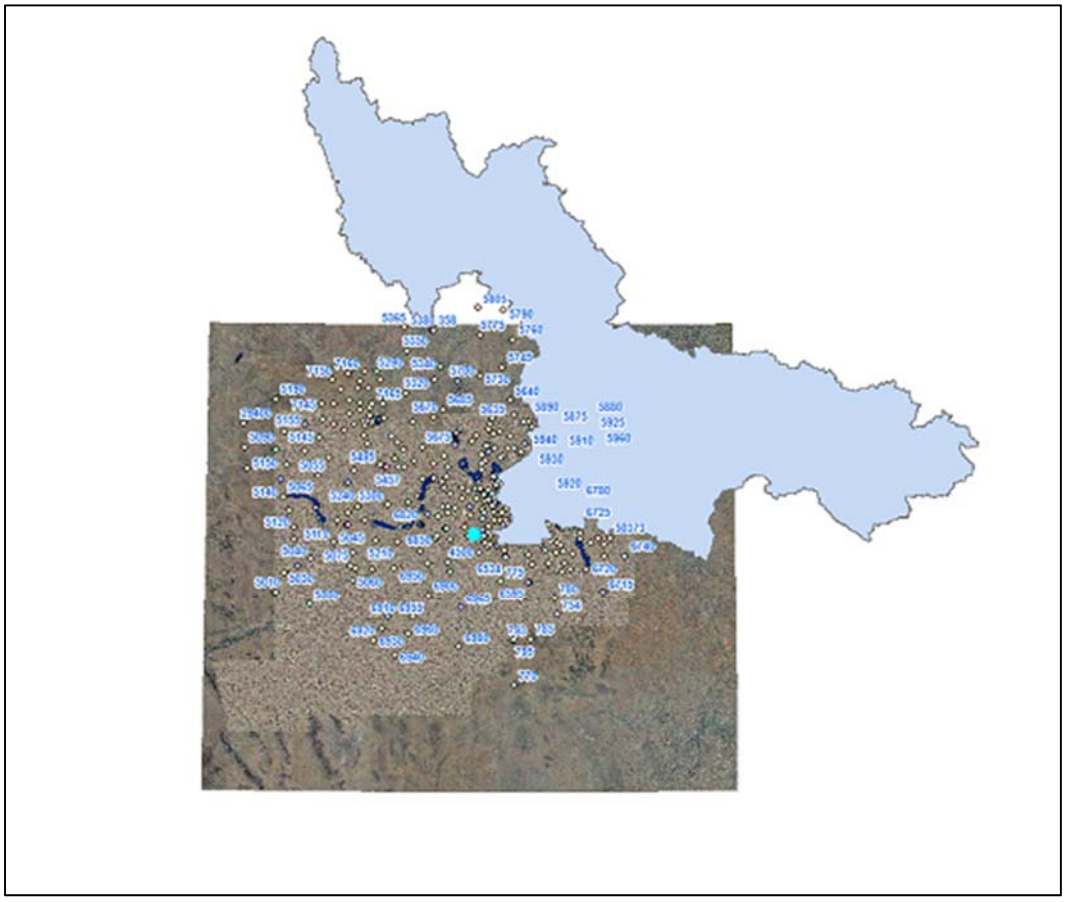
Salt River at 7th Avenue, ID #68007

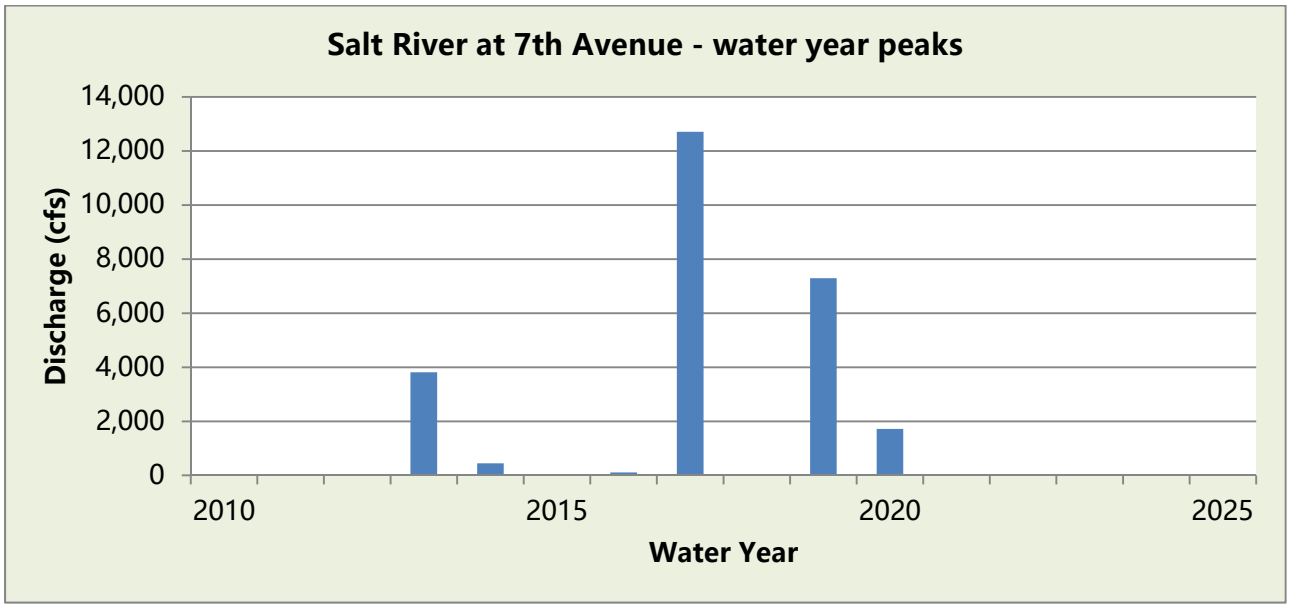


Site Data

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	8.68 Years | 3,172 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

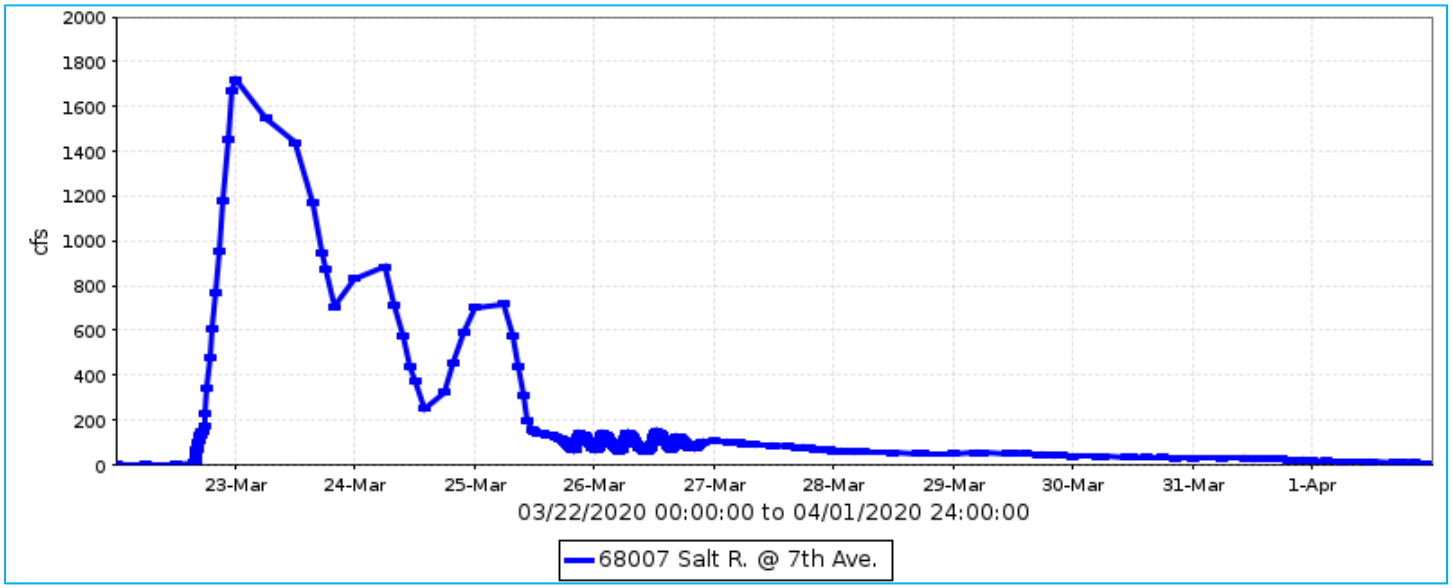




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
02/22/2020	4.72	109
03/23/2020	6.62	1,722
03/24/2020	6.25	884
03/25/2020	6.15	716
03/26/2020	5.58	149
03/27/2020	4.60	104
08/21/2020	3.73	72

Hydrograph of peak WY 2020 flow event, 03/23/2020



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			8	2	2	2	13	2	3	3	7	3
2		2	3	2	2	2	3	2	3	5	5	3
3		2	2	2	2	2	2	2	3	6	4	3
4		2	3	2	2	2	2	2	4	6	3	3
5		2	3	2	2	2	2	2	4	6	4	4
6		2	3	2	2	2	2	2	6	5	5	3
7		2	2	2	2	2	2	2	5	4	7	3
8		2	3	2	2	2	2	2	2	6	6	4
9		2	2	2	2	2	2	2	2	4	6	6
10		2	3	2	2	2	2	3	2	6	6	6
11		2	3	2	12	25	2	2	2	7	7	7
12		2	2	2	4	35	2	2	3	4	8	8
13		2	2	2	3	55	2	2	3	4	8	7
14		2	2	2	2	31	2	2	4	5	8	5
15	---	2	2	2	2	10	2	2	3	6	9	5
16	---	2	3	2	2	2	2	2	3	6	9	5
17		2	2	2	2	2	2	2	4	6	7	6
18		2	2	2	2	5	2	2	3	7	7	5
19		3	2	2	2	11	2	2	4	7	7	4
20		20	2	2	2	3	2	2	5	7	8	4
21		18	3	2	2	2	2	2	3	3	22	4
22		13	2	2	34	249	2	3	3	3	2	3
23		5	2	2	21	1331	2	3	3	5	2	3
24		2	7	2	9	569	2	2	4	6	3	5
25		2	13	2	2	351	2	2	4	7	4	5
26		2	7	2	2	98	2	2	6	4	4	6
27		2	11	2	2	87	2	2	4	5	3	6
28		2	10	2	2	55	2	2	3	5	3	4
29		32	4	2	2	48	2	4	3	6	4	3
30		19	2	2	---	35	2	3	4	9	3	3
31		---	2	2	---	26	---	3	---	7	3	---
TOTAL	0	155	118	68	138	3055	82	80	104	169	187	134
MEAN	0	5	4	2	5	99	3	3	3	5	6	4
MAX	0	95	21	2	109	1722	16	5	7	10	72	9
MIN	0	0	2	2	2	2	2	2	2	3	2	2
AC_FT	0	306	233	136	273	6060	163	158	206	336	371	265

WTR YR 2020 TOTAL 4289 MEAN 12 MAX 1722 MIN 0 AC_FT 8507

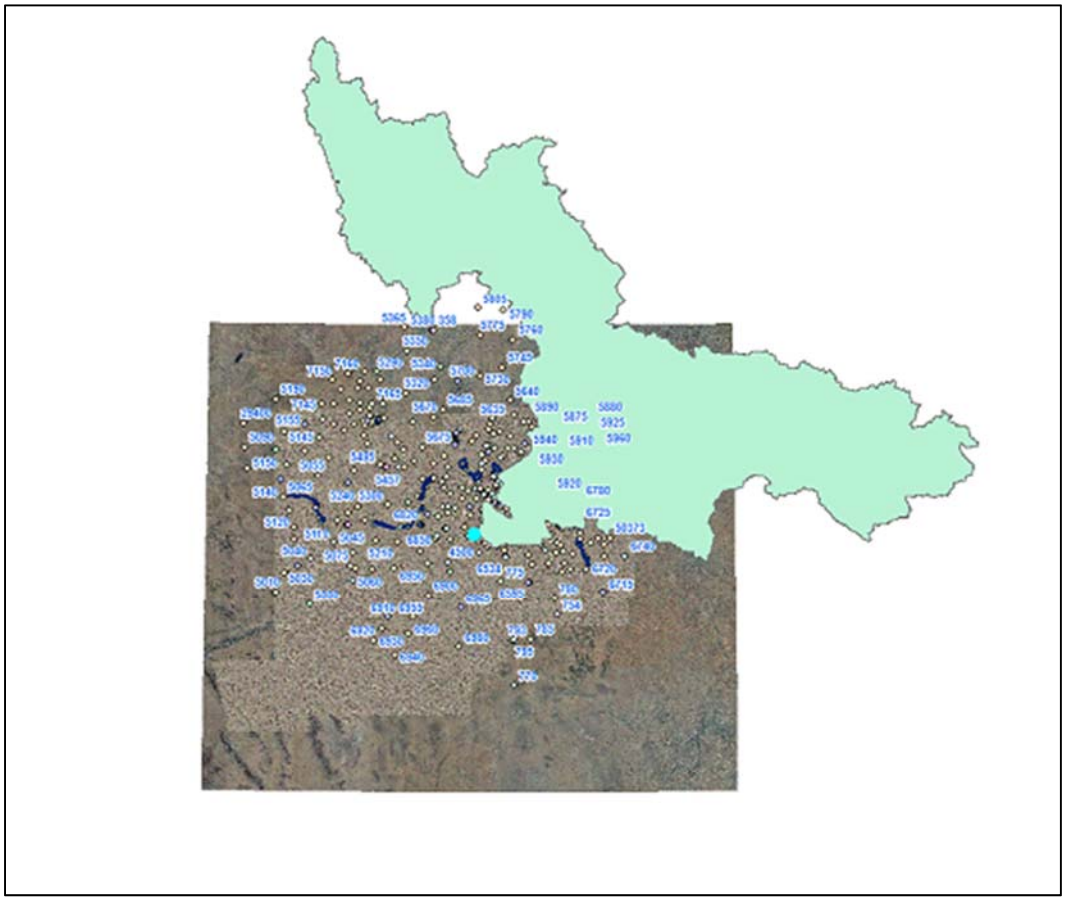
Salt River at 51st Avenue, ID #5307

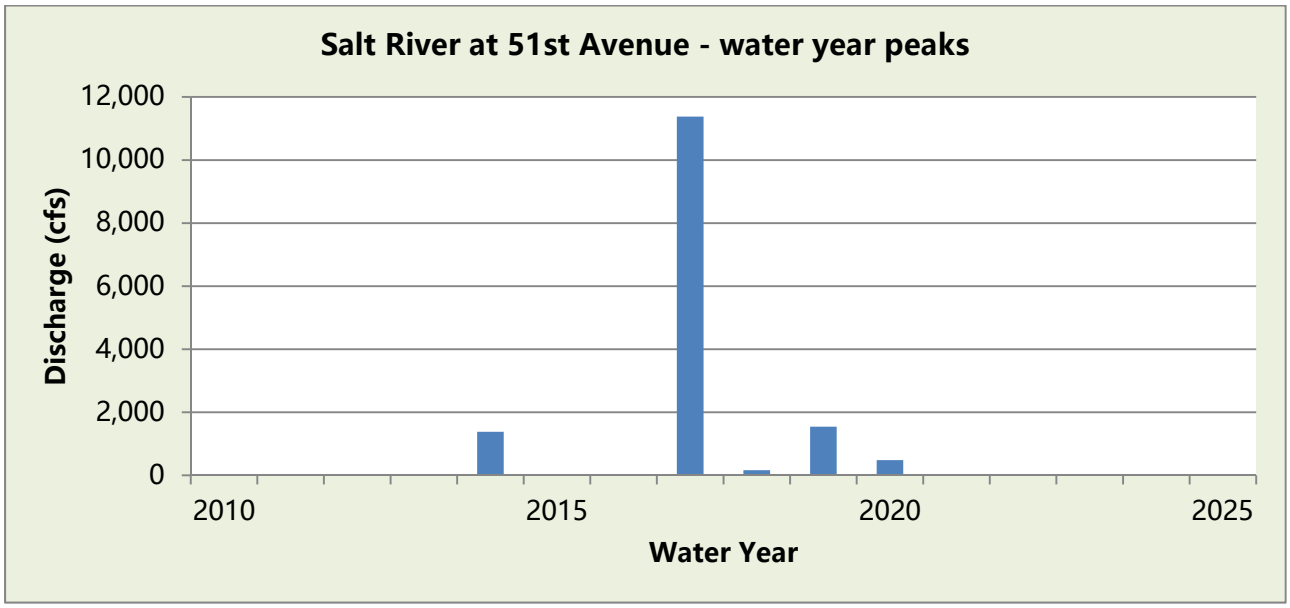


Site Data

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	9.43 Years | 3,445 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

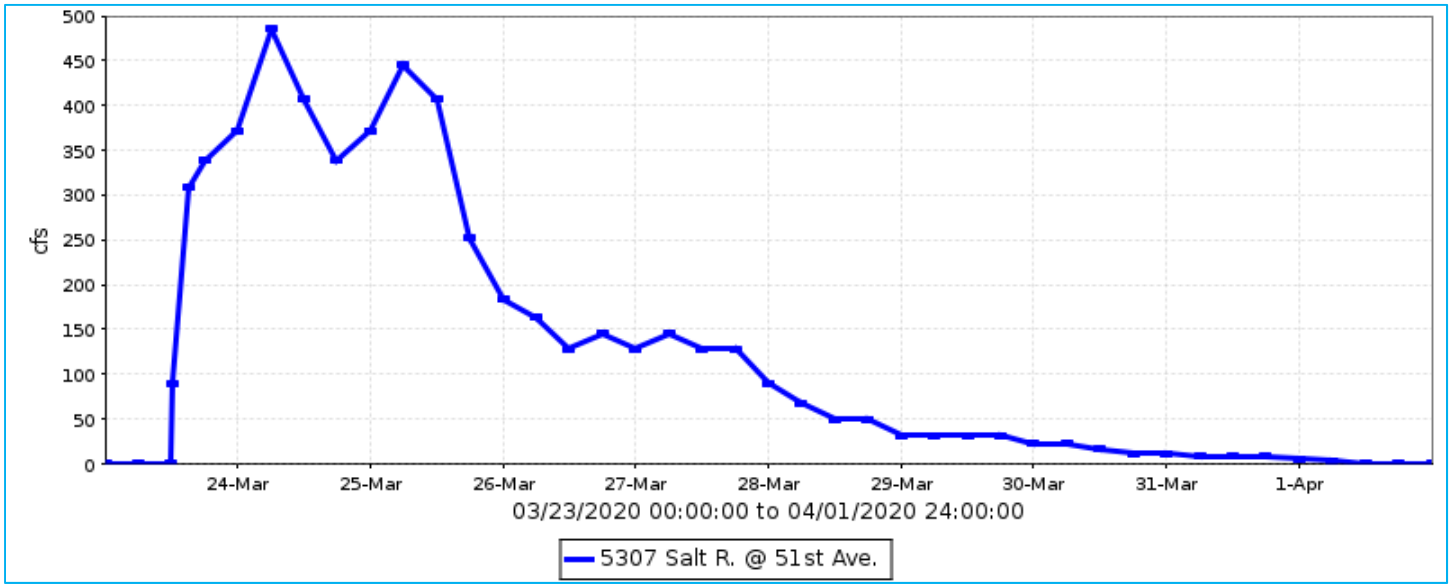




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
03/24/2020	4.20	485

Hydrograph of peak WY 2020 flow event, 03/24/2020



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							2					
2						1					---	
3						2						
4						2						
5						2						
6						2						
7						2						
8						2						
9			---			2						
10						2						
11						2						
12						4						
13						4						
14						5						
15						4						
16						4						
17						4						
18						4						
19						3						---
20						2						---
21						2						
22												
23						132						
24						401						
25						369						
26						155						
27						133						
28						64						
29						31						
30					---	18						
31		---			---	9	---		---			---
TOTAL	0	0	0	0	0	1366	2	0	0	0	0	0
MEAN	0	0	0	0	0	44	0	0	0	0	0	0
MAX	0	0	113	0	0	485	4	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	1	0	0	2709	5	0	0	0	0	0

WTR YR 2020 TOTAL 1368 MEAN 4 MAX 485 MIN 0 AC_FT 2714

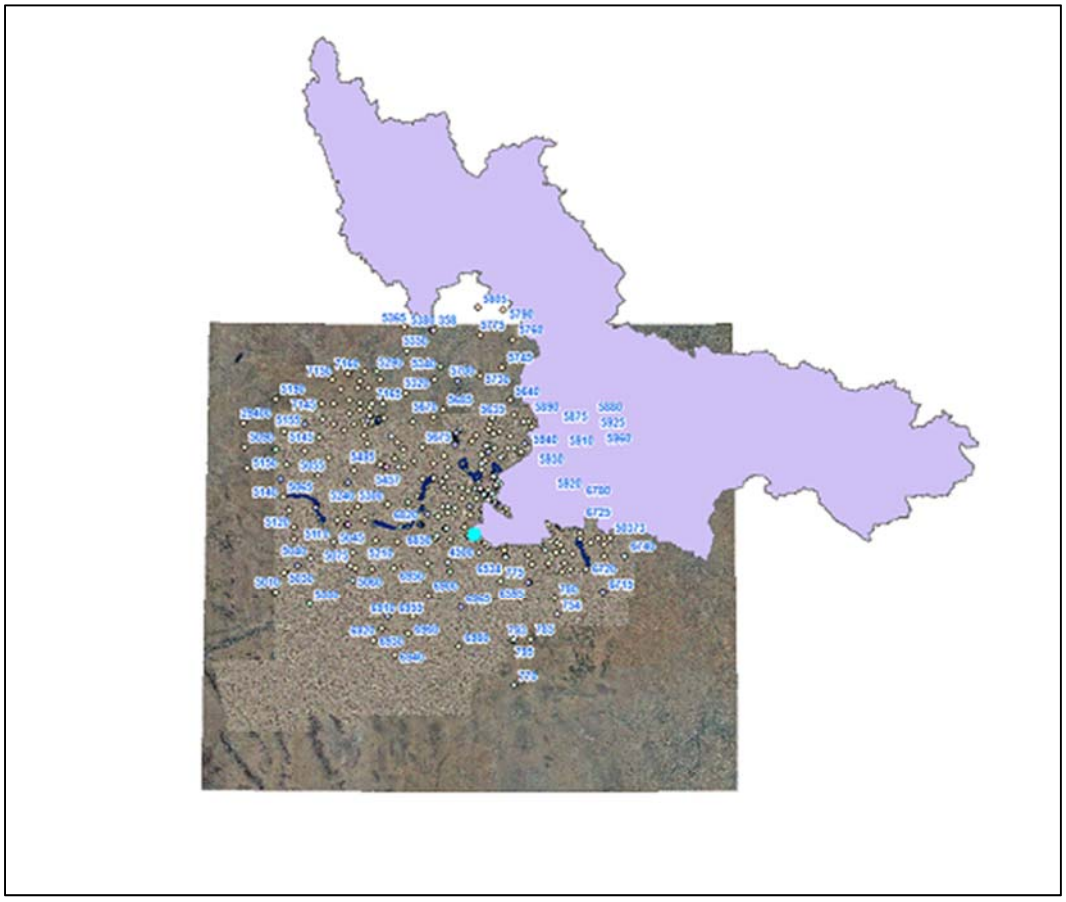
Salt River at 67th Avenue, ID #5807

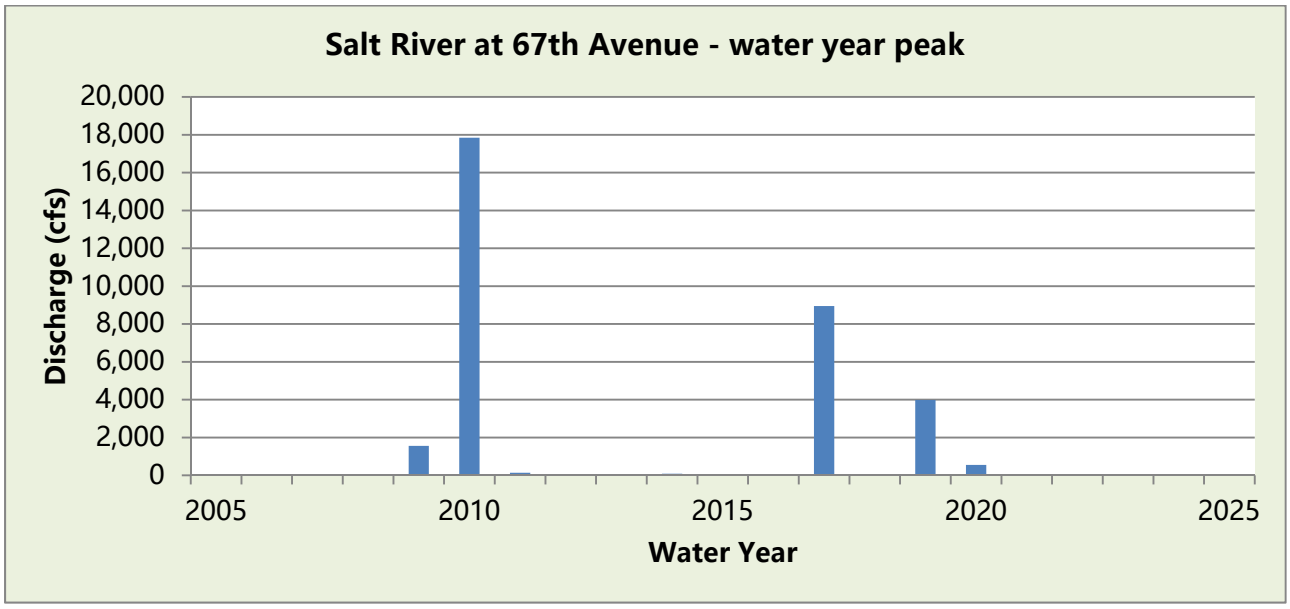


Site Data

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	12.22 Years | 4,462 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

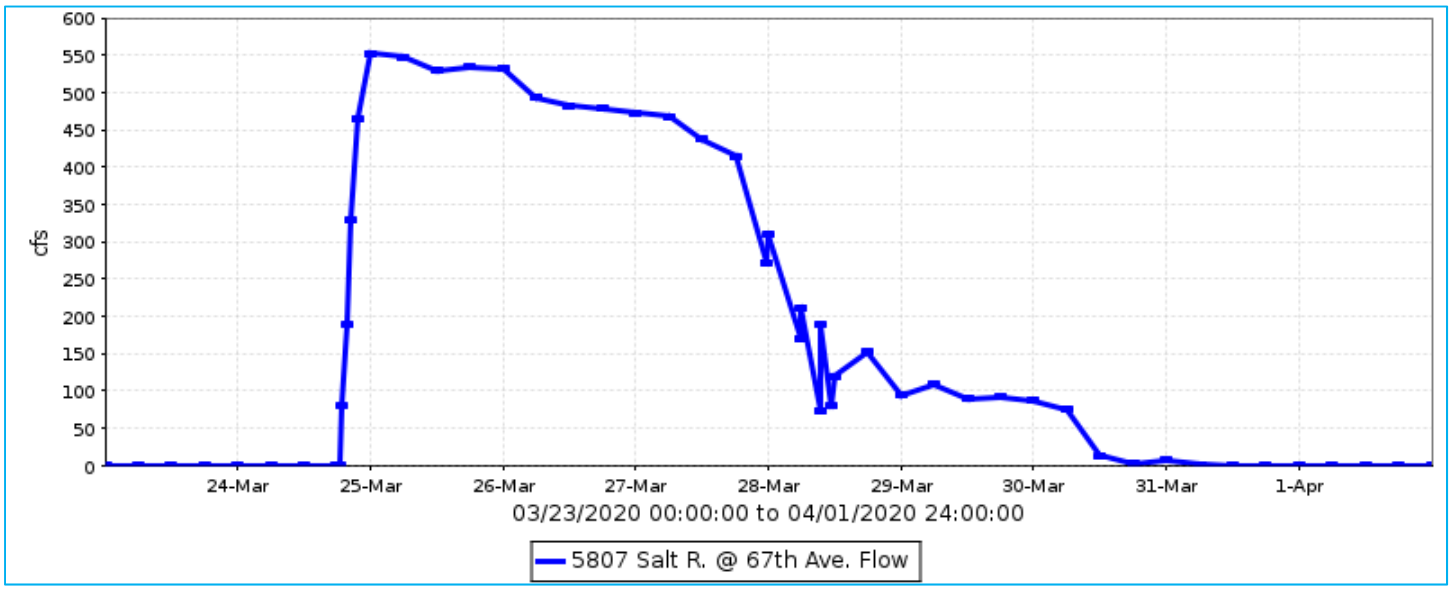




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
03/24/2020	5.46	552

Hydrograph of peak WY 2020 flow event, 03/24/2020



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 2019 to September 2020

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						69						
25						541						
26						497						
27						445						
28						192						
29						96						
30					---	45						
31		---			---	2	---		---			---
TOTAL	0	0	0	0	0	1887	0	0	0	0	0	0
MEAN	0	0	0	0	0	61	0	0	0	0	0	0
MAX	0	0	0	0	0	552	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	3743	0	0	0	0	0	0

WTR YR 2020 TOTAL 1887 MEAN 5 MAX 552 MIN 0 AC_FT 3743

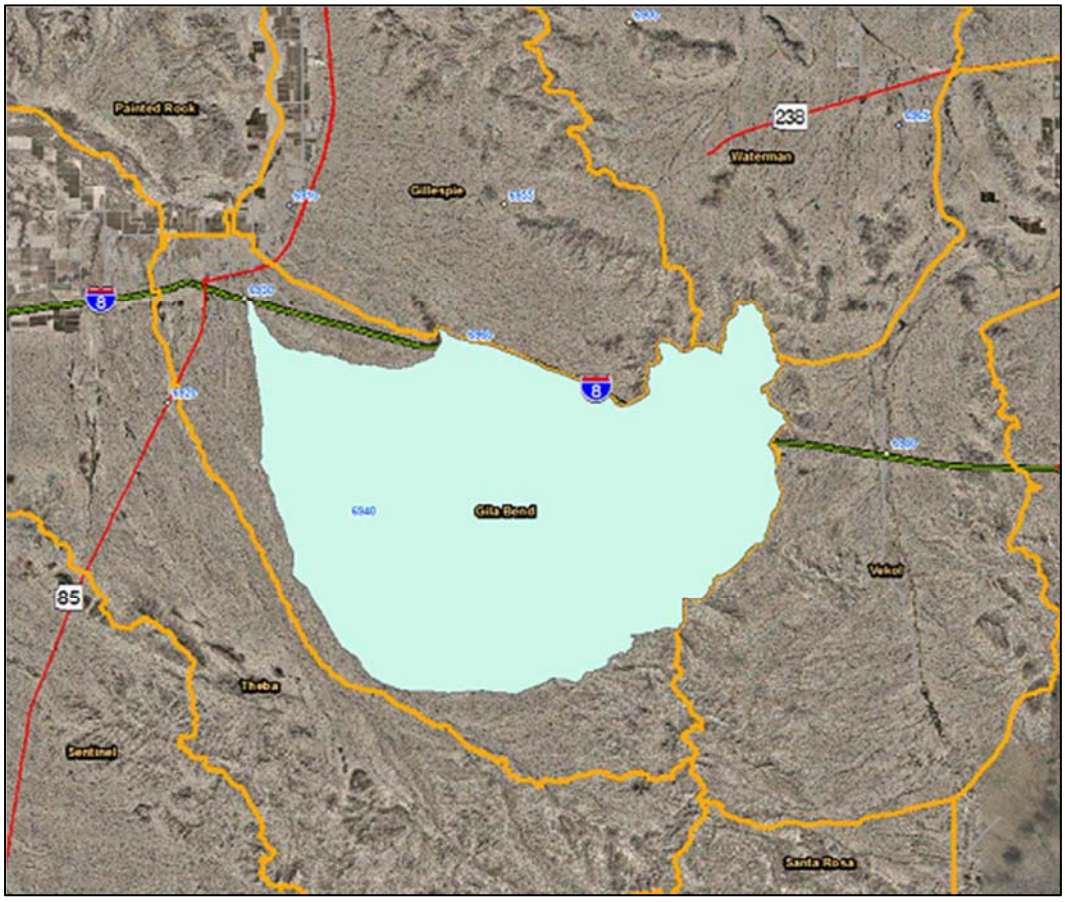
Sand Tank Wash at I-8, ID #40007

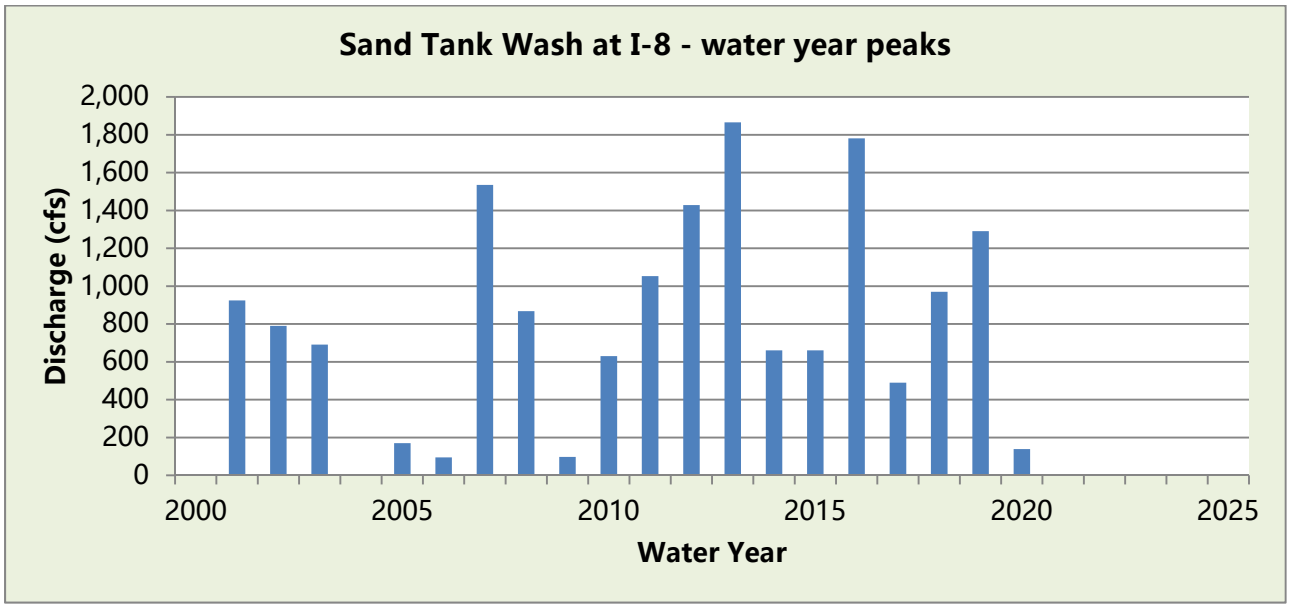


Site Data

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	19.34 Years | 7,063 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

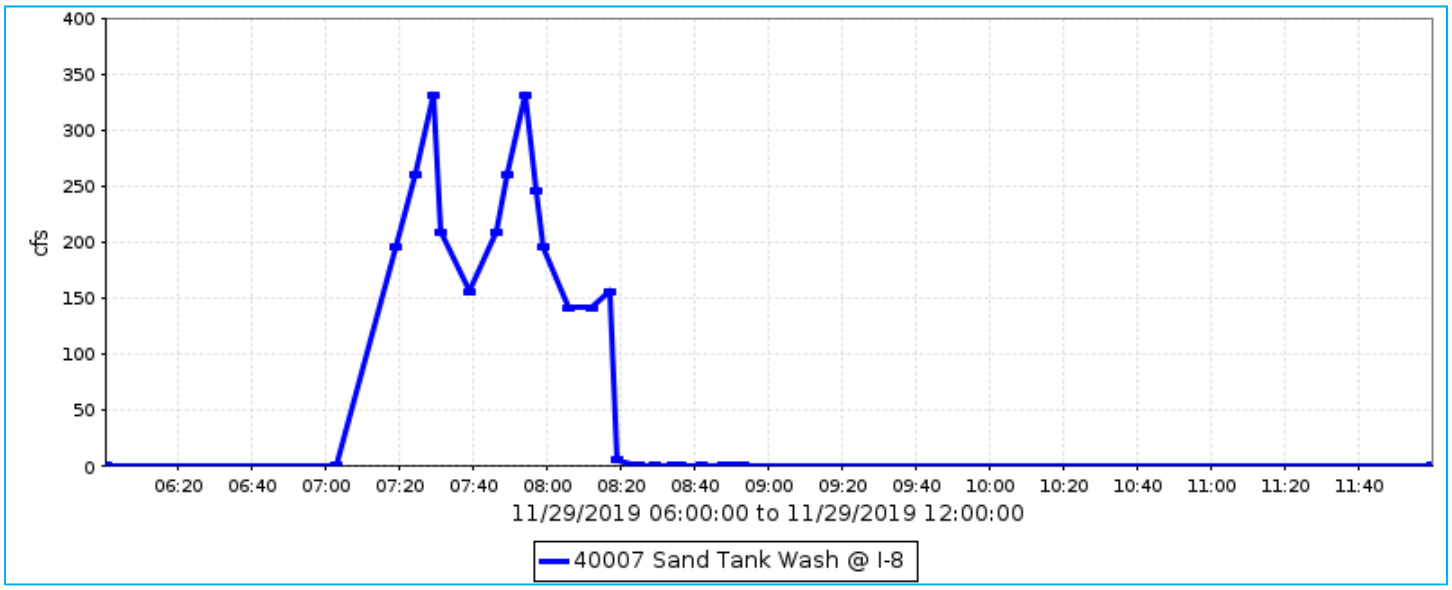




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/19/2019	2.00	195
11/29/2019	2.29	331
03/12/2020	2.07	227

Hydrograph of peak WY 2020 flow event, 11/29/2019



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**
714	**1,320**	**1,680**	**1,960**	**2,250**	**2,430**

NOTE: These results are based on very limited data.

Sand Tank Wash at I-8, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						6					---	
13												
14											---	
15												
16												
17												
18												
19		6										
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		9										
30					---							
31		---			---		---		---			---
TOTAL	0	15	0	0	0	6	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	331	0	0	0	227	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	29	0	0	0	12	0	0	0	0	0	0

WTR YR 2020 TOTAL 21 MEAN 0 MAX 331 MIN 0 AC_FT 41

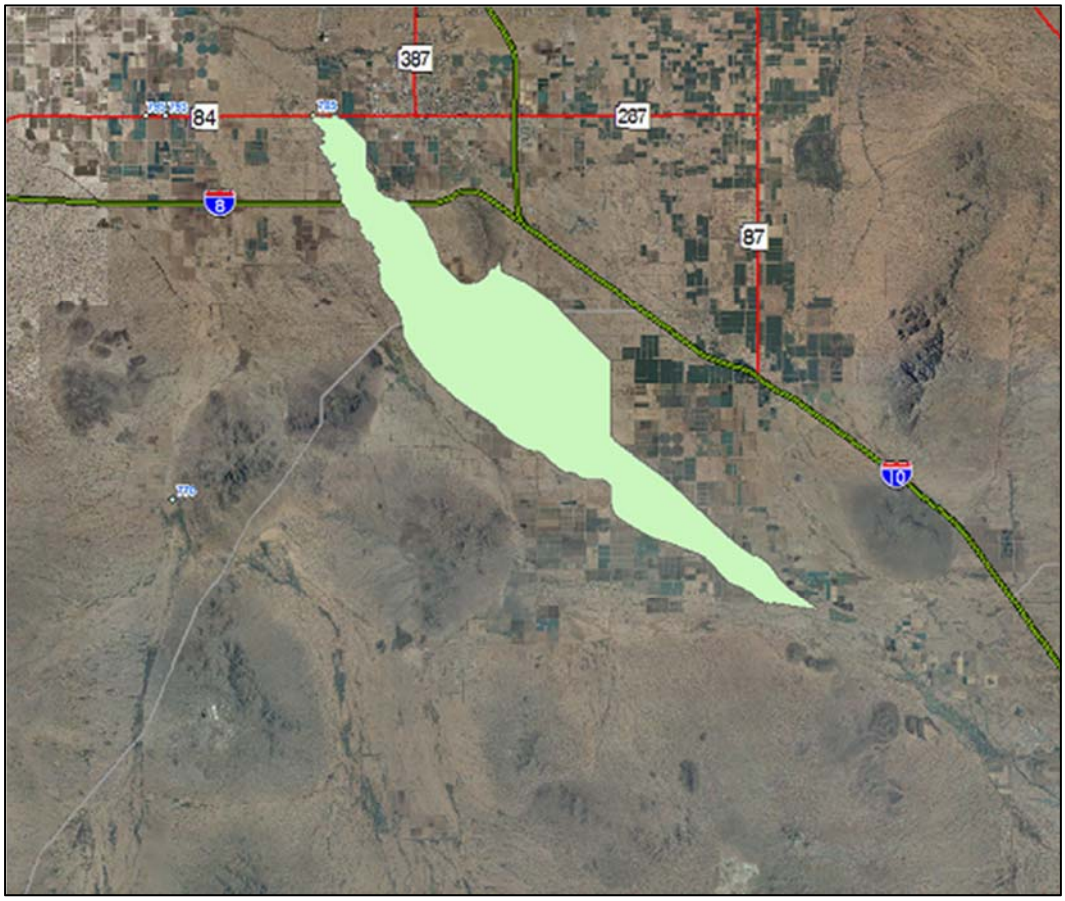
Santa Cruz River at SR84, ID #63807

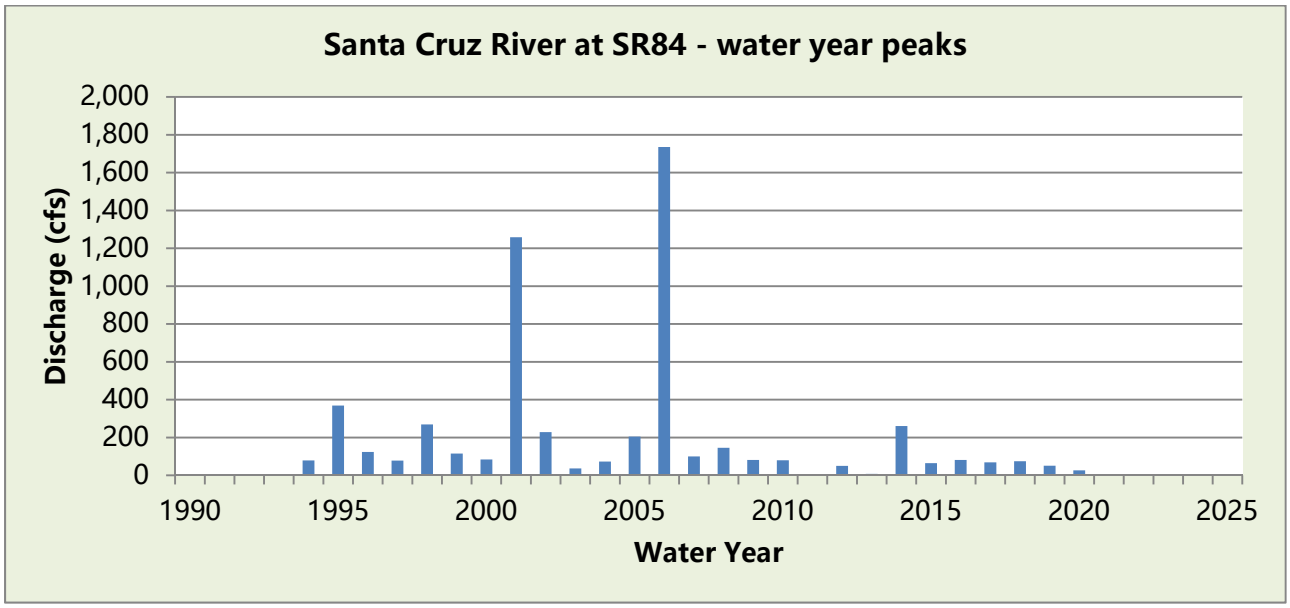


Site Data

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	26.55 Years | 9,696 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

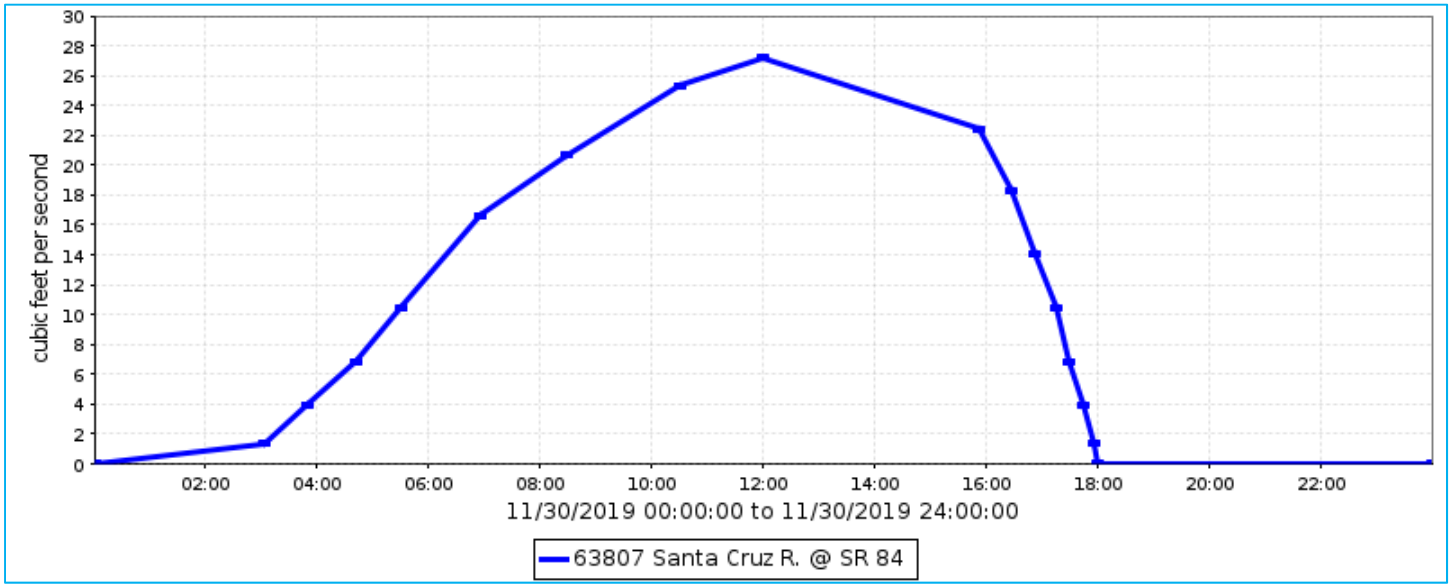




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/30/2019	0.99	27

Hydrograph of peak WY 2020 flow event, 11/30/2019



Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
100	**281**	**494**	**800**	**1,390**	**2,040**

Santa Cruz River at SR84, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 TOTAL 29 MEAN 0 MAX 27 MIN 0 AC_FT 57

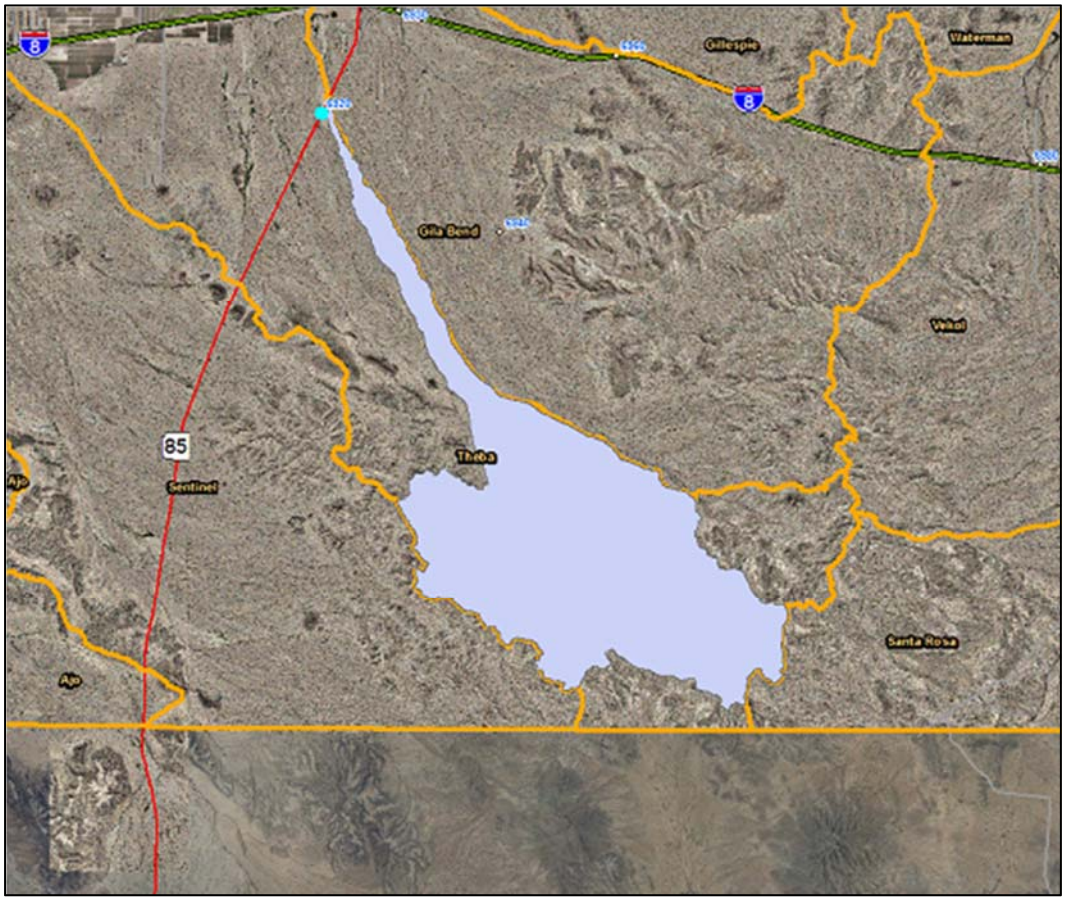
Sauceda Wash, ID #71007

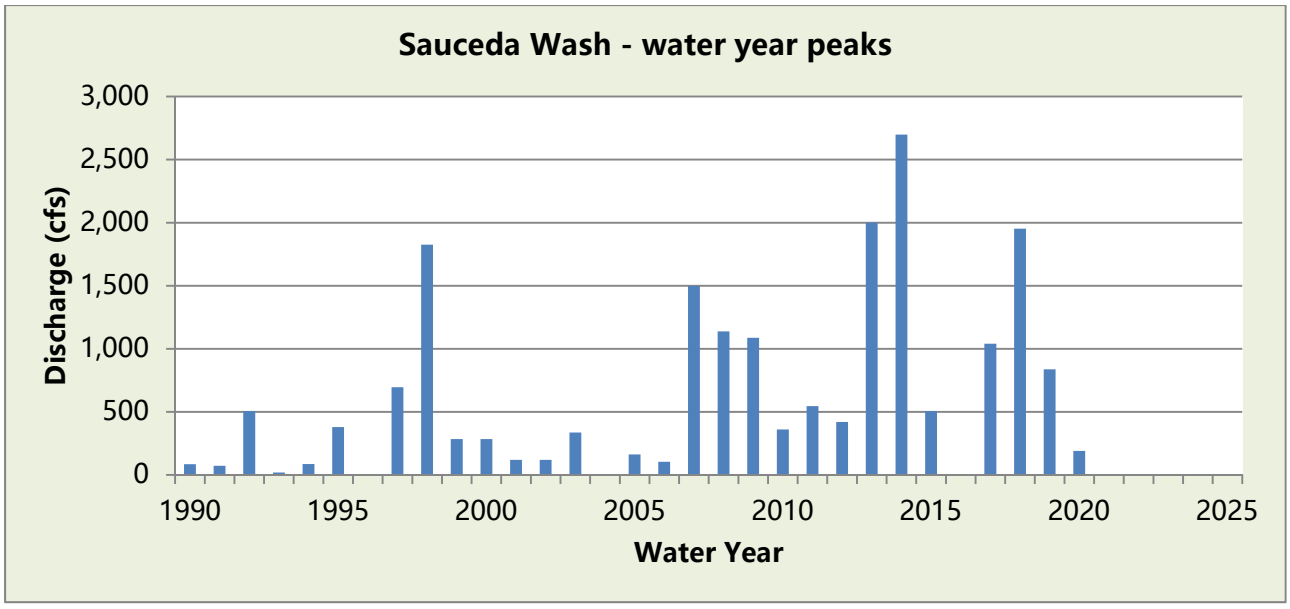


Site Data

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	30.59 Years | 11,173 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

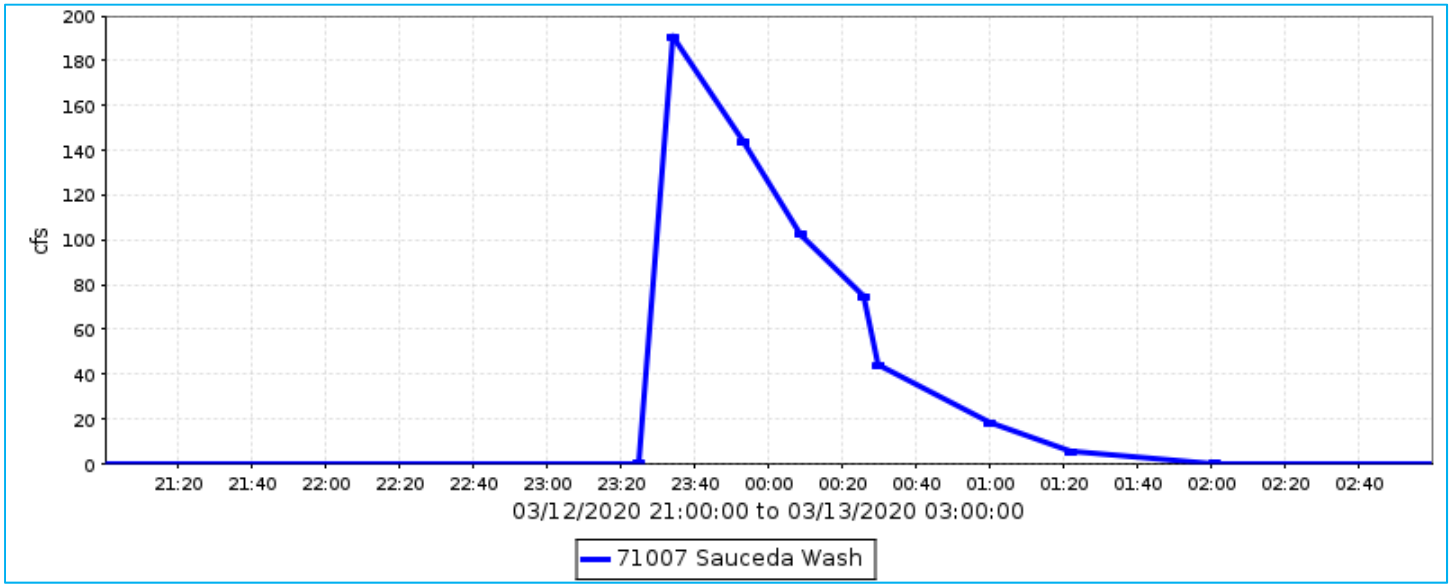




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
03/12/2020	1.99	191

Hydrograph of peak WY 2020 flow event, 03/12/2020



Flood Flow Frequency

Flood Flow Frequency N=48, HEC-WRC computation (based on 48 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
419	**1,210**	**2,010**	**2,970**	**4,490**	**5,830**

NOTE: These results are based on limited data.

Sauceda Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						3						
13						4		---				
14												
15								---				
16								---				
17								---				
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31	---	---			---		---		---			---
TOTAL	0	1	0	0	0	7	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	24	0	0	0	191	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	0	0	0	14	0	0	0	0	0	0

WTR YR 2020 TOTAL 8 MEAN 0 MAX 191 MIN 0 AC_FT 15

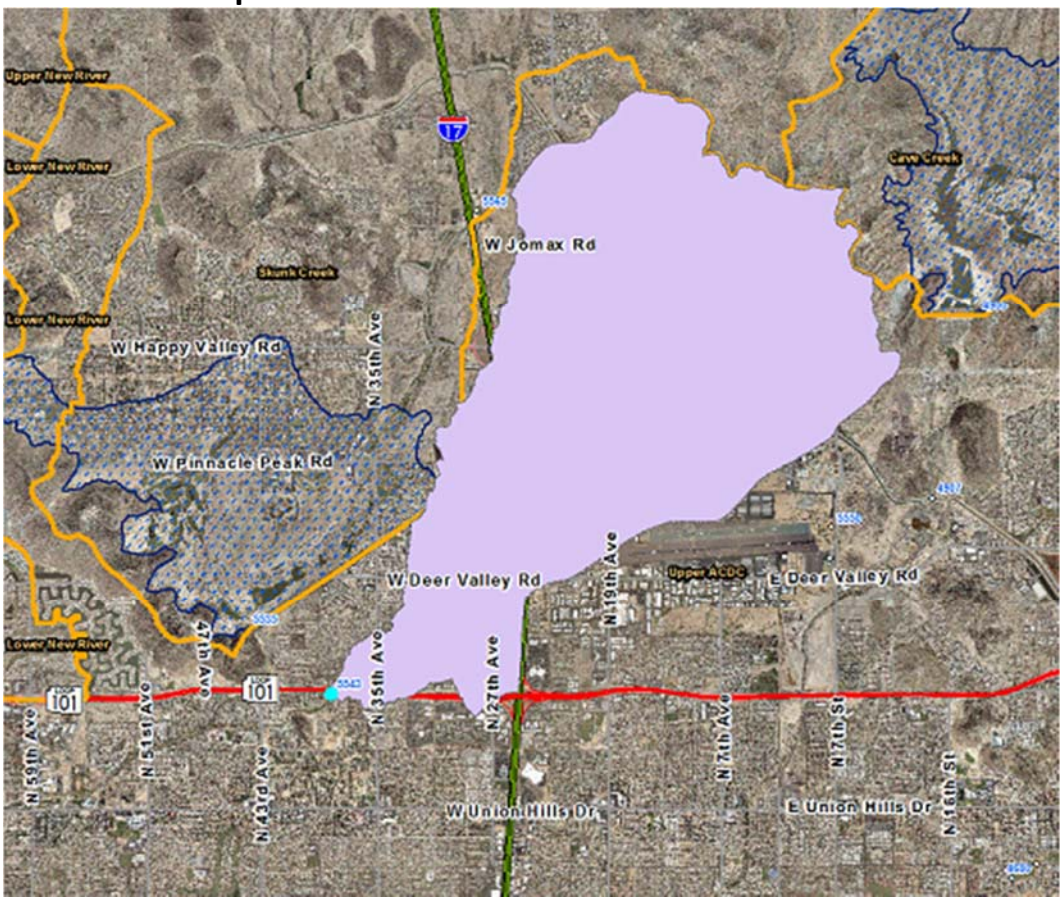
Scatter Wash, ID #14007

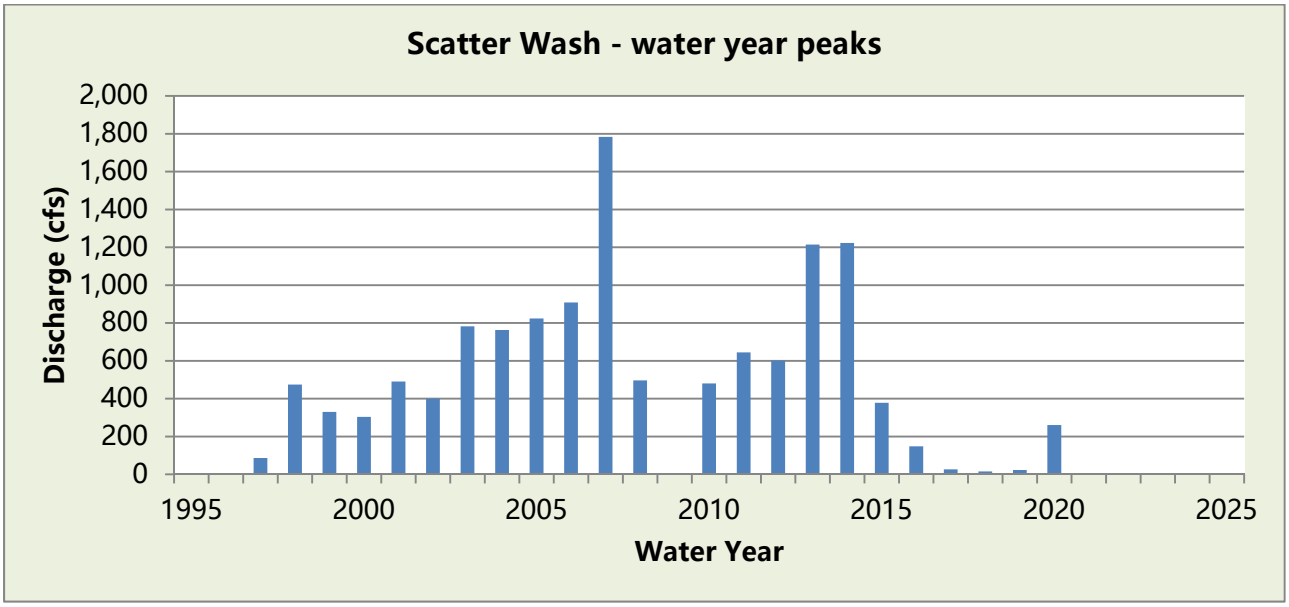


Site Data

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	24.04 Years | 8,779 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	1,332.26 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

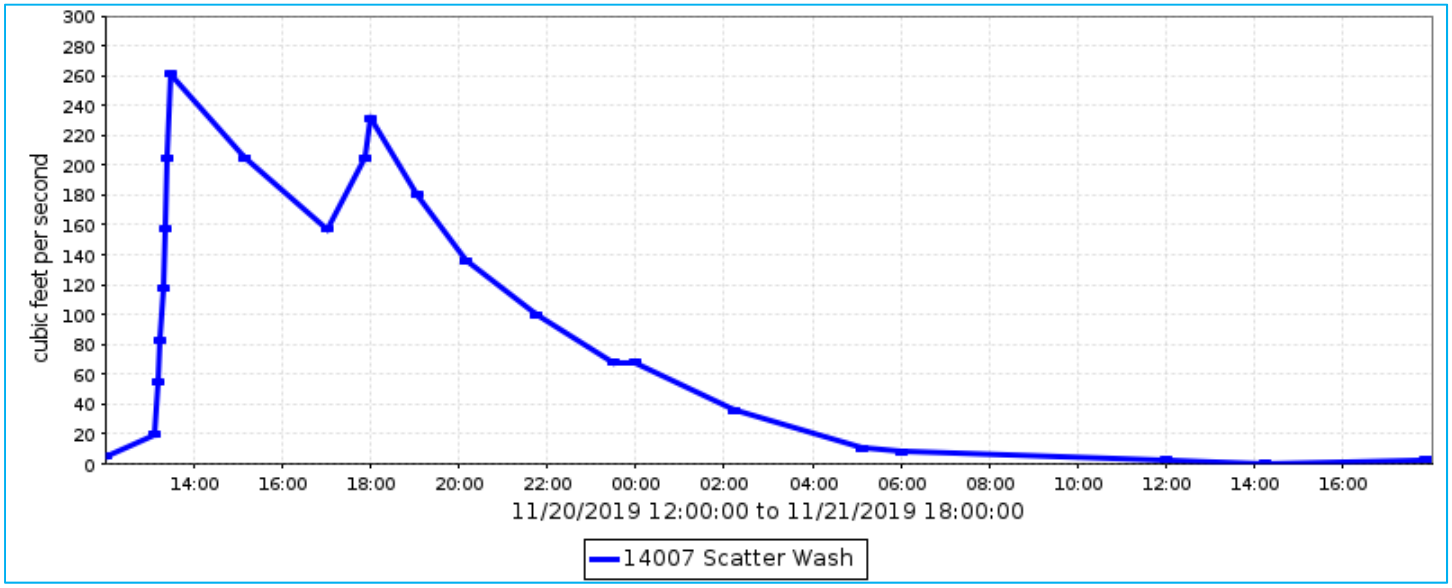




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	1.01	136
11/20/2019	1.26	261
11/29/2019	1.06	157
02/11/2020	0.86	83
02/22/2020	0.84	76
03/12/2020	0.86	83
03/12/2020	0.61	10
03/13/2020	1.09	171
03/13/2020	0.64	15
03/13/2020	0.61	10
03/18/2020	0.64	15

Hydrograph of peak WY 2020 flow event, 11/20/2019



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**
535	**980**	**1,270**	**1,520**	**1,810**	**2,000**

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 2019 to September 2020

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					8		---					
12						4	---					
13						19	---					
14							---					
15												
16												
17												
18						1						
19												
20		89										
21		13										
22					12							
23												
24												
25												
26												
27												
28												
29		39										
30					---							
31		---			---		---		---			---
TOTAL	0	141	0	0	20	24	0	0	0	0	0	0
MEAN	0	5	0	0	1	1	0	0	0	0	0	0
MAX	0	261	2	0	83	171	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	280	1	0	39	47	0	0	0	0	0	0

WTR YR 2020 TOTAL 185 MEAN 1 MAX 261 MIN 0 AC_FT 366

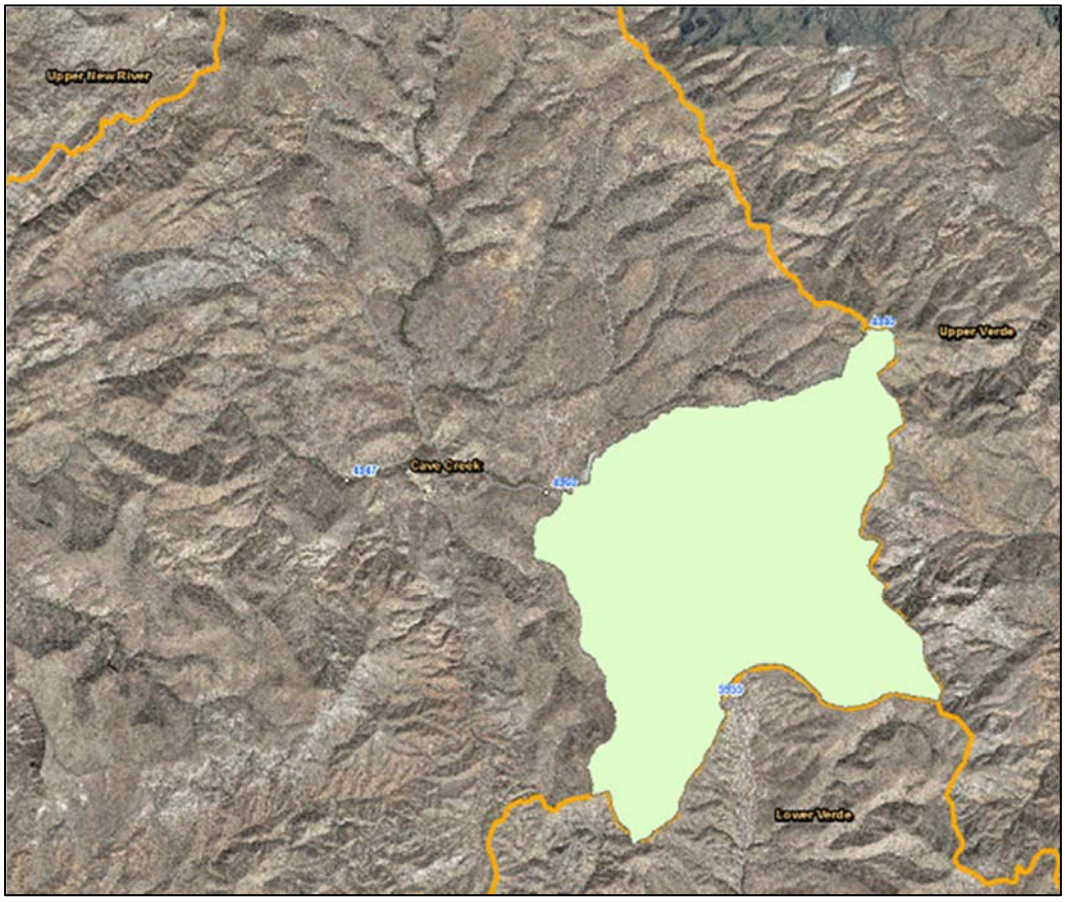
Seven Springs Wash, ID #21807

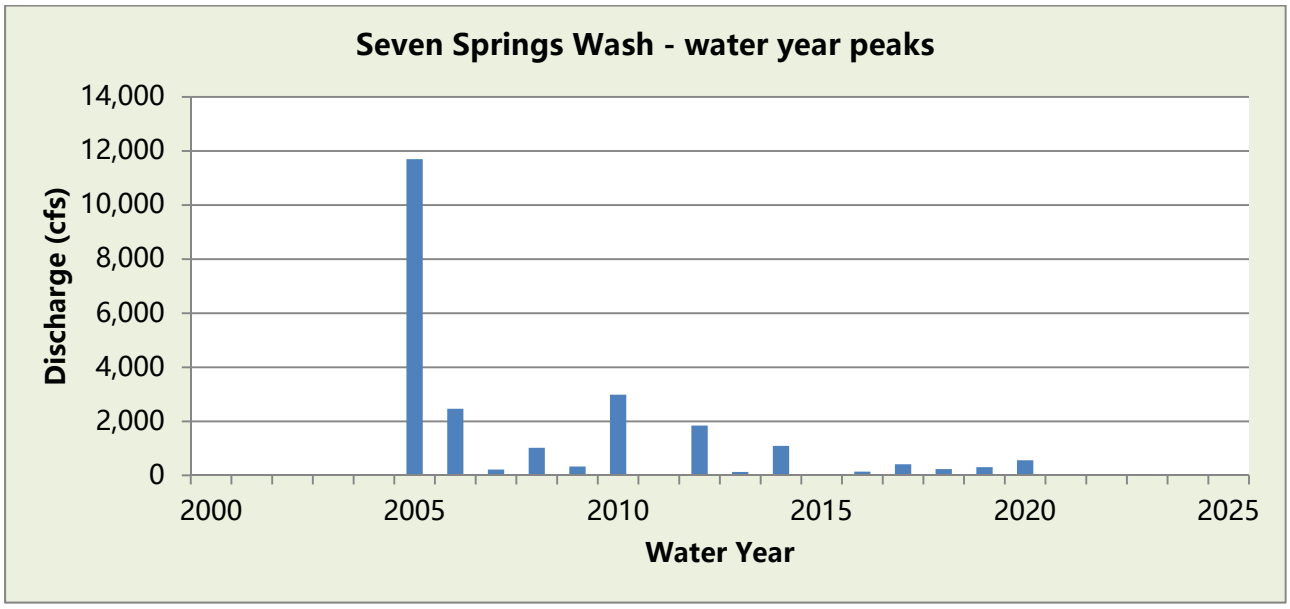


Site Data

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	18.56 Years | 6,778 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

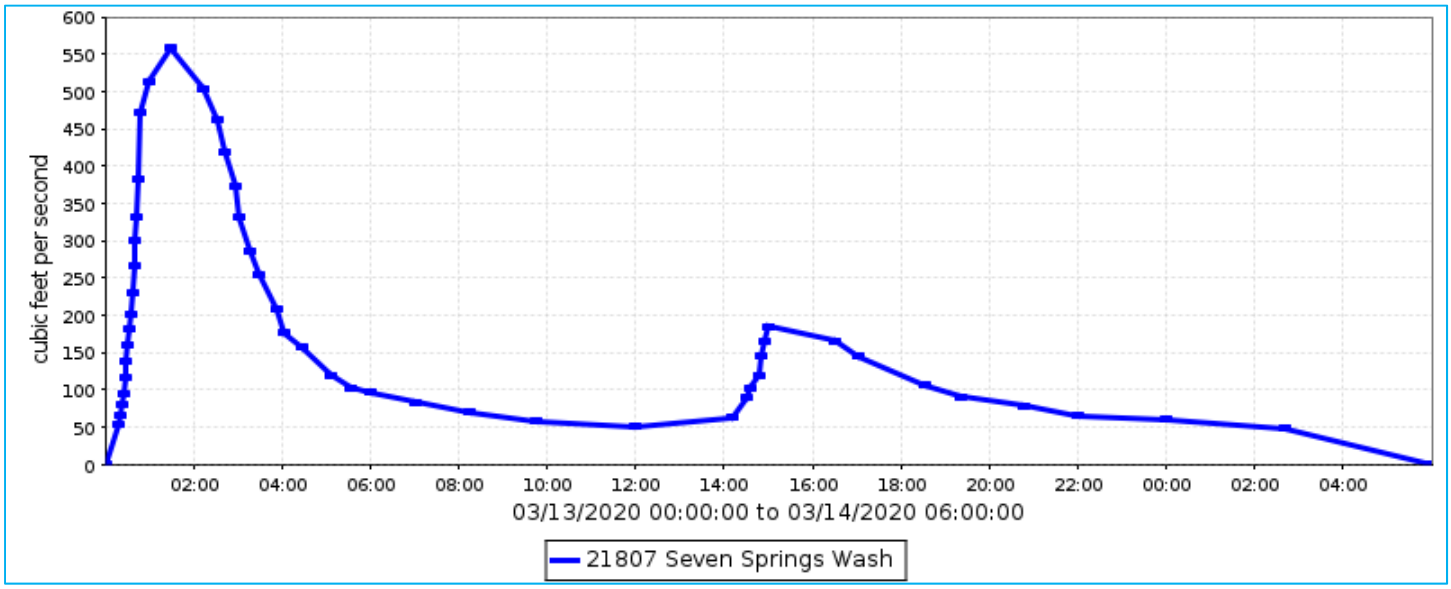




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	2.44	326
12/26/2019	1.42	128
12/27/2019	1.07	84
03/11/2020	1.12	89
03/13/2020	3.16	558
03/13/2020	1.79	185
03/18/2020	1.27	107

Hydrograph of peak WY 2020 flow event, 03/13/2020



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**
285	**1,420**	**3,220**	**6,240**	**13,000**	**21,000**

NOTE: These results are based on very limited data.

Seven Springs Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						37						
13						143						
14						14						
15												
16												
17												
18						14						
19						25						
20												
21												
22												
23												
24												
25			44									
26			43									
27			60									
28			---									
29		77										
30					---							
31		---			---		---		---			---
TOTAL	0	77	218	0	0	232	0	0	0	0	0	0
MEAN	0	3	7	0	0	7	0	0	0	0	0	0
MAX	0	326	128	0	0	558	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	153	433	0	0	461	0	0	0	0	0	0

WTR YR 2020 TOTAL 528 MEAN 1 MAX 558 MIN 0 AC_FT 1047

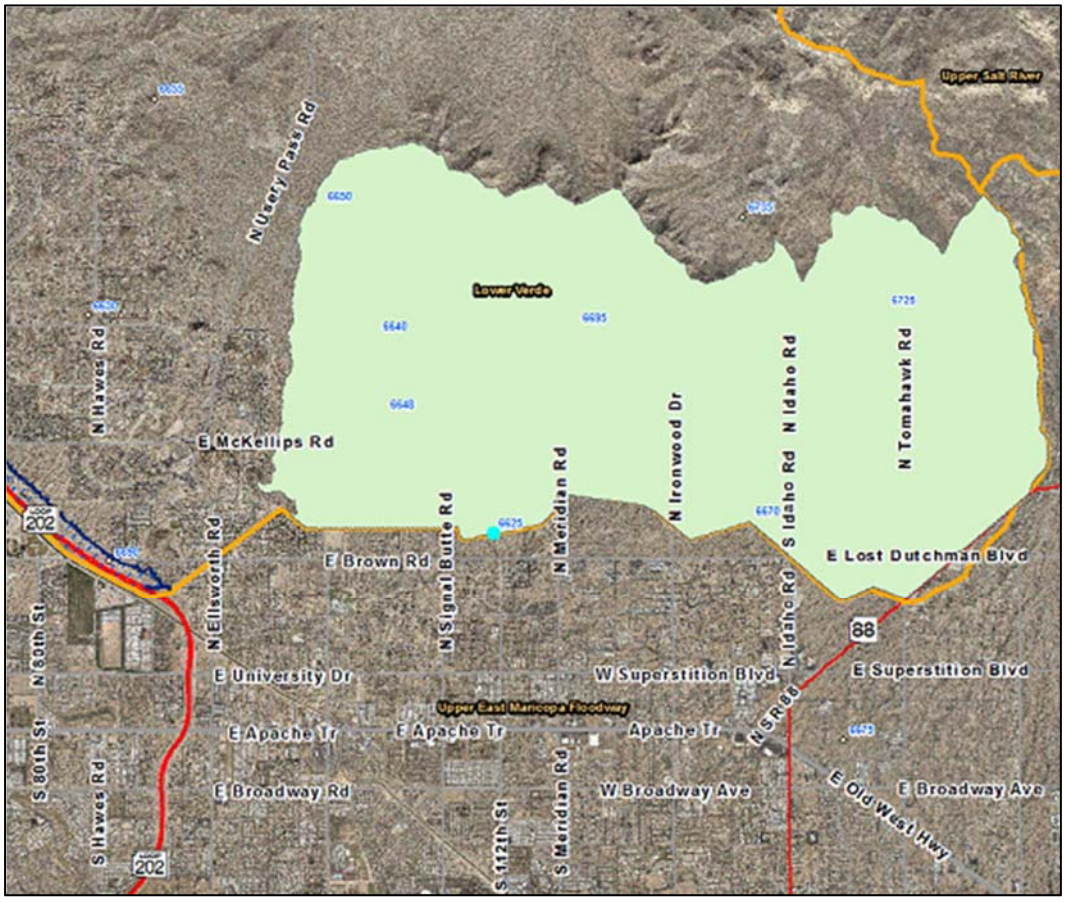
Signal Butte FRS, ID #79507

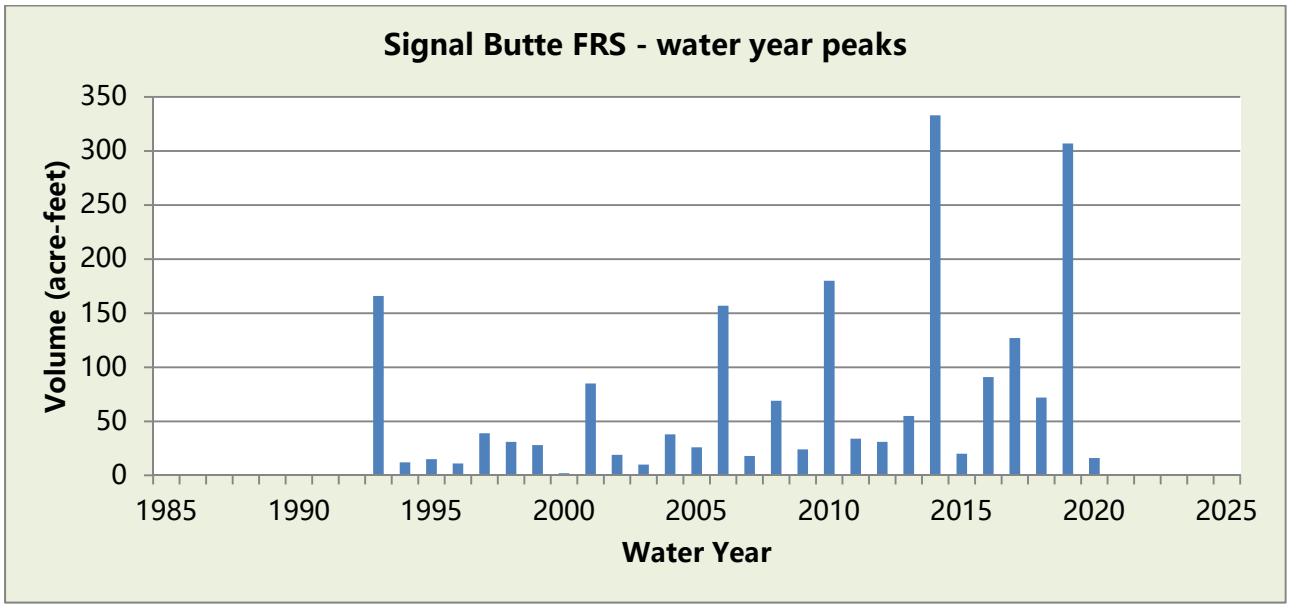


Site Data

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	32.89 Years | 12,014 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

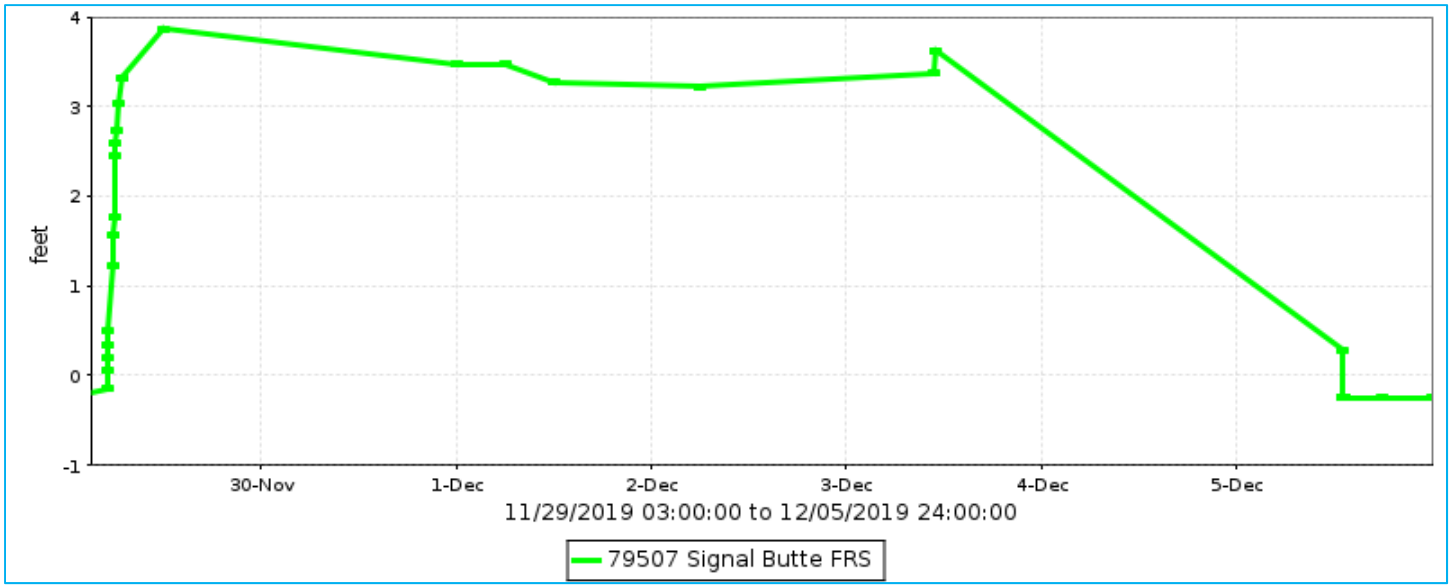




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/21/2019	1.90	2.0	0.2
11/29/2019	3.86	16.0	1.0
12/25/2019	2.38	4.0	0.3
03/13/2020	0.33	0.0	0.0

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Signal Butte FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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25												
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27												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Signal Butte FRS, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107		11									
2	90		10									
3	74		13									
4	62		---									
5	51											
6	37											
7	33											
8	30											
9	27											
10	26											
11	22											
12	19											
13	17											
14	15											
15	13											
16	11											
17	9											
18	7											
19	6											
20	4											
21	2											
22												
23												
24												
25			2									
26			2									
27												
28												
29		10										
30					---							
31		---			---		---		---			---
MEAN	22	1	2	0	0	0	0	0	0	0	0	0
MAX	114	16	13	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 2 MAX 114 MIN 0

Signal Butte FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	-0.2	3.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
2	8.0	-0.2	3.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
3	7.4	-0.2	3.6	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
4	6.8	-0.2	---	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
5	6.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
6	5.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
7	5.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
8	5.0	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
9	4.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10	4.7	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
11	4.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
12	4.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
13	4.0	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
14	3.7	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
15	3.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
16	3.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
17	3.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
18	2.9	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
19	2.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
20	2.5	0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
21	1.6	0.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
22	0.2	0.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
23	-0.0	-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	1.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
26	-0.2	-0.2	2.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
27	-0.2	-0.2	0.1	-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	2.7	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
30	-0.2	0.0	-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	3.1	0.0	0.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
MAX	8.8	3.9	3.6	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
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 2020 MEAN 0.12 MAX 8.75 MIN -0.25

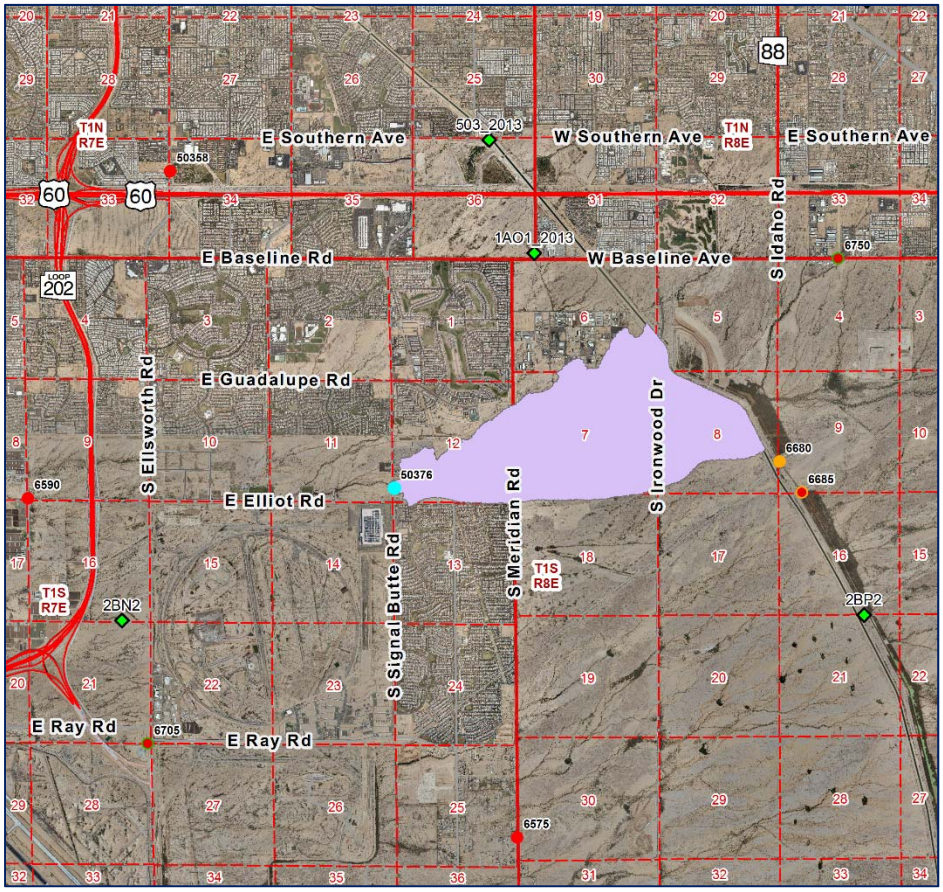
Siphon Draw Wash at Signal Butte Road, ID #37607

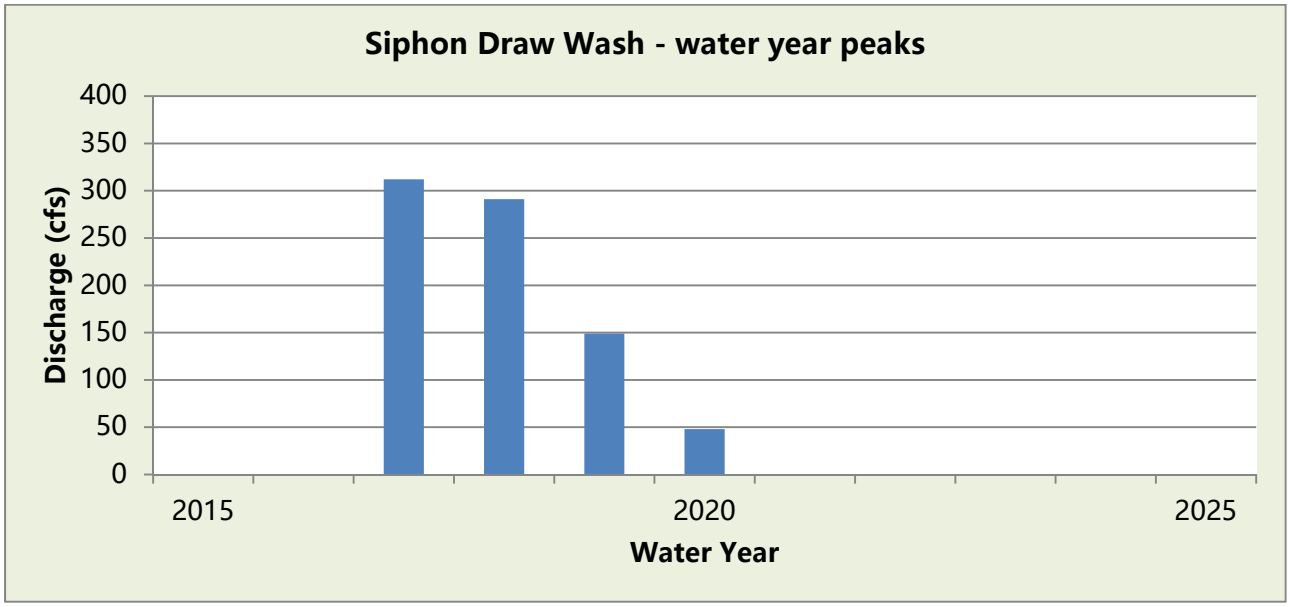


Site Data

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	3.78 Years | 1,379 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

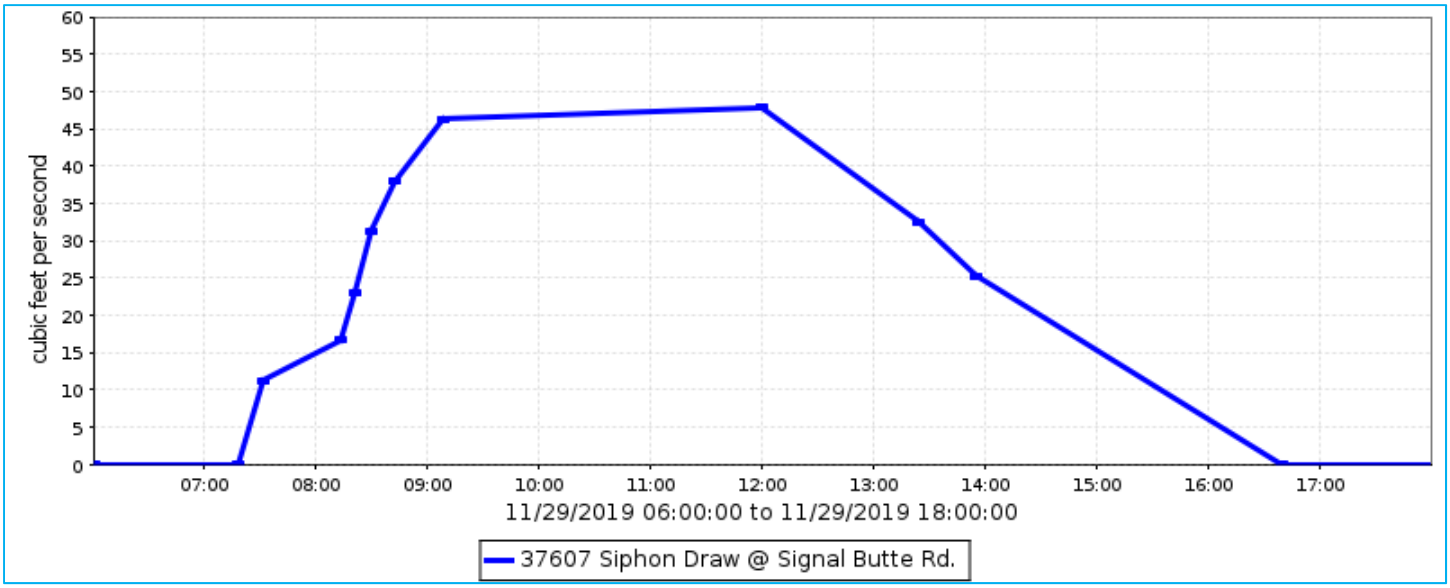




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/05/2019	0.75	8
11/20/2019	0.96	17
11/21/2019	1.27	38
11/29/2019	1.40	48
12/25/2019	0.96	17

Hydrograph of peak WY 2020 flow event, 11/29/2019



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 2019 to September 2020

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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13												
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24												
25												
26												
27												
28												
29		18										
30					---							
31		---			---		---		---			---
TOTAL	0	18	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	0	198	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	35	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 18 MEAN 0 MAX 198 MIN 0 AC_FT 35

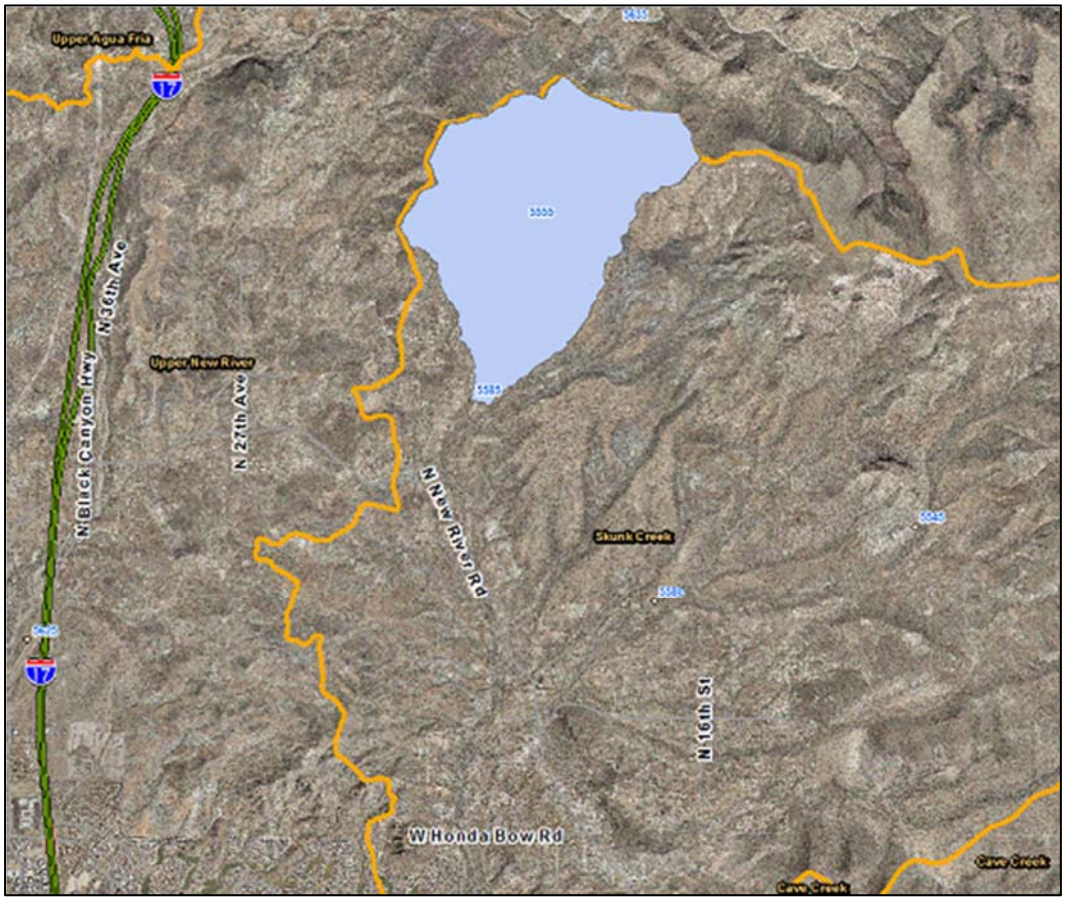
Skunk Creek near New River, ID #66207

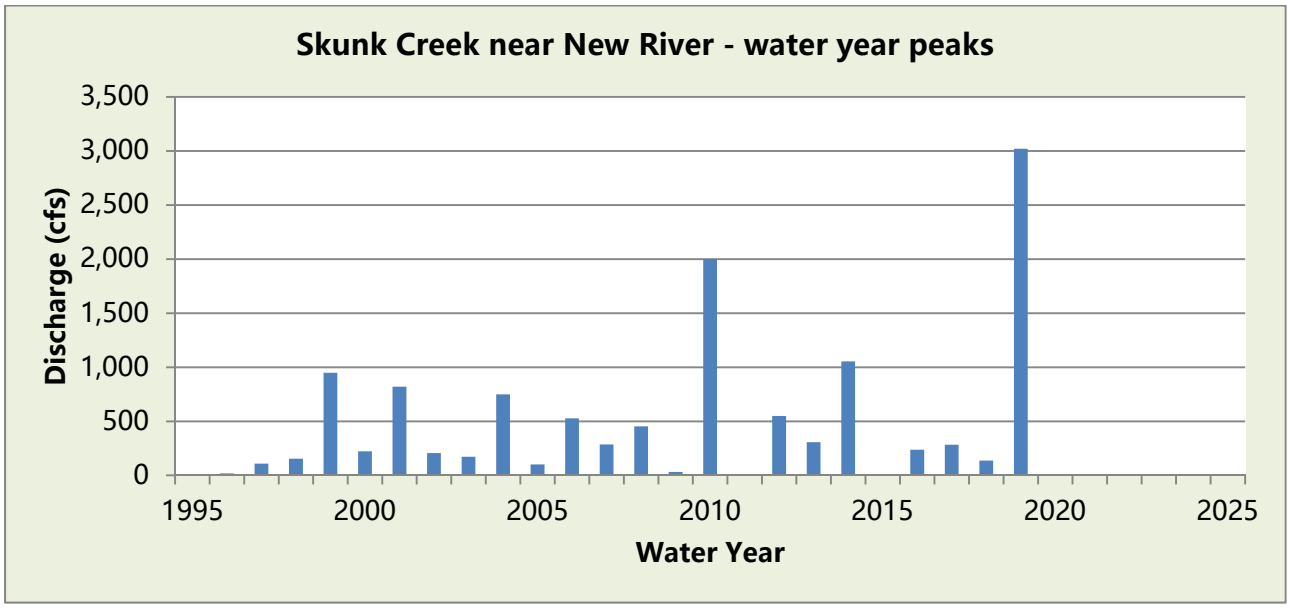


Site Data

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	25.28 Years | 9,234 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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**
215	**783**	**1,370**	**2,060**	**3,080**	**3,900**

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 2019 to September 2020

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												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

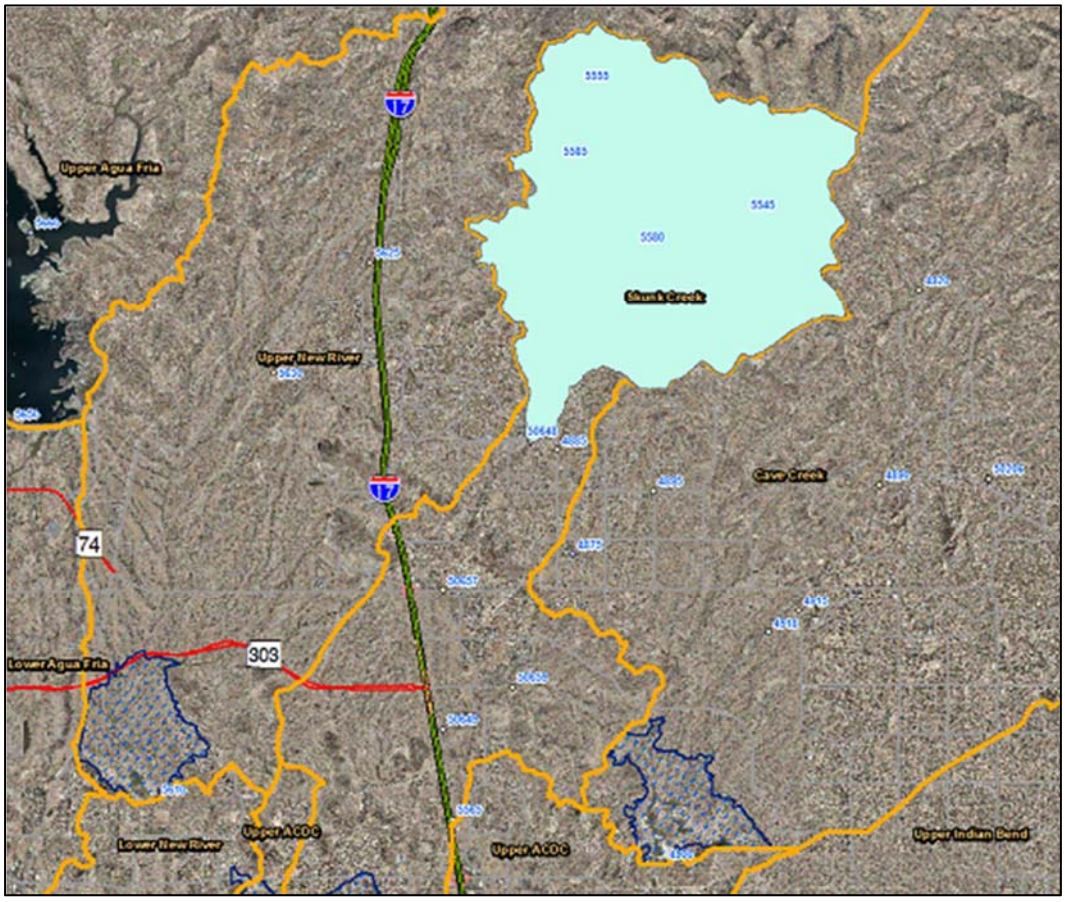
Skunk Creek at Desert Hills Drive, ID #64807

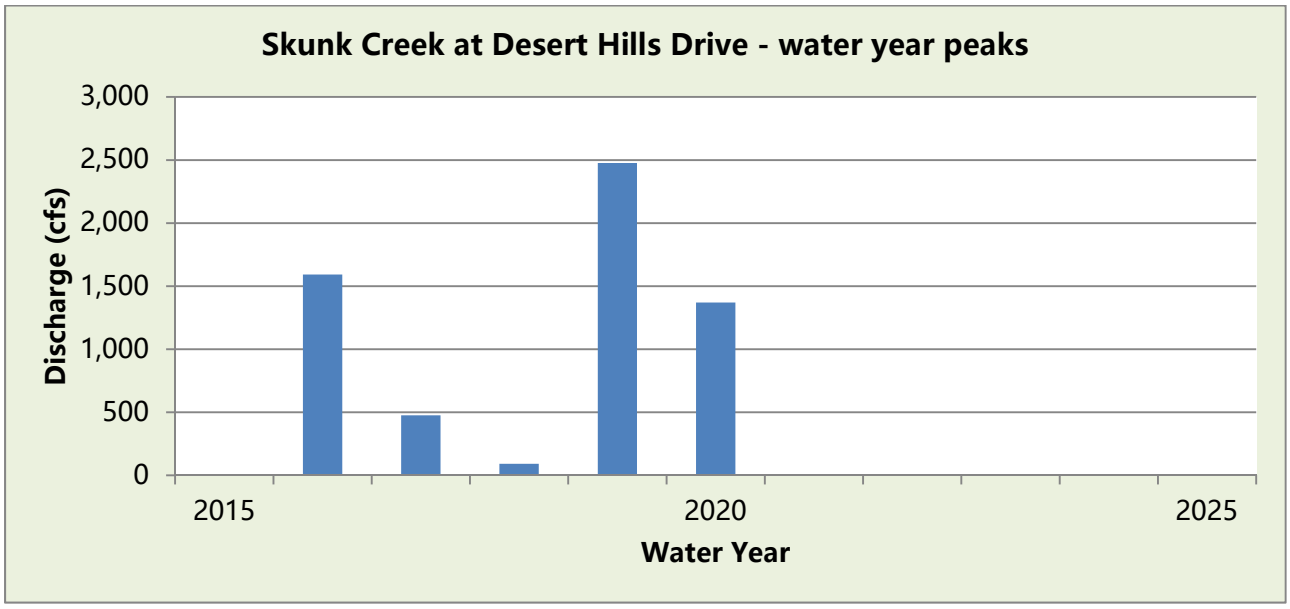


Site Data

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	5.19 Years | 1,897 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

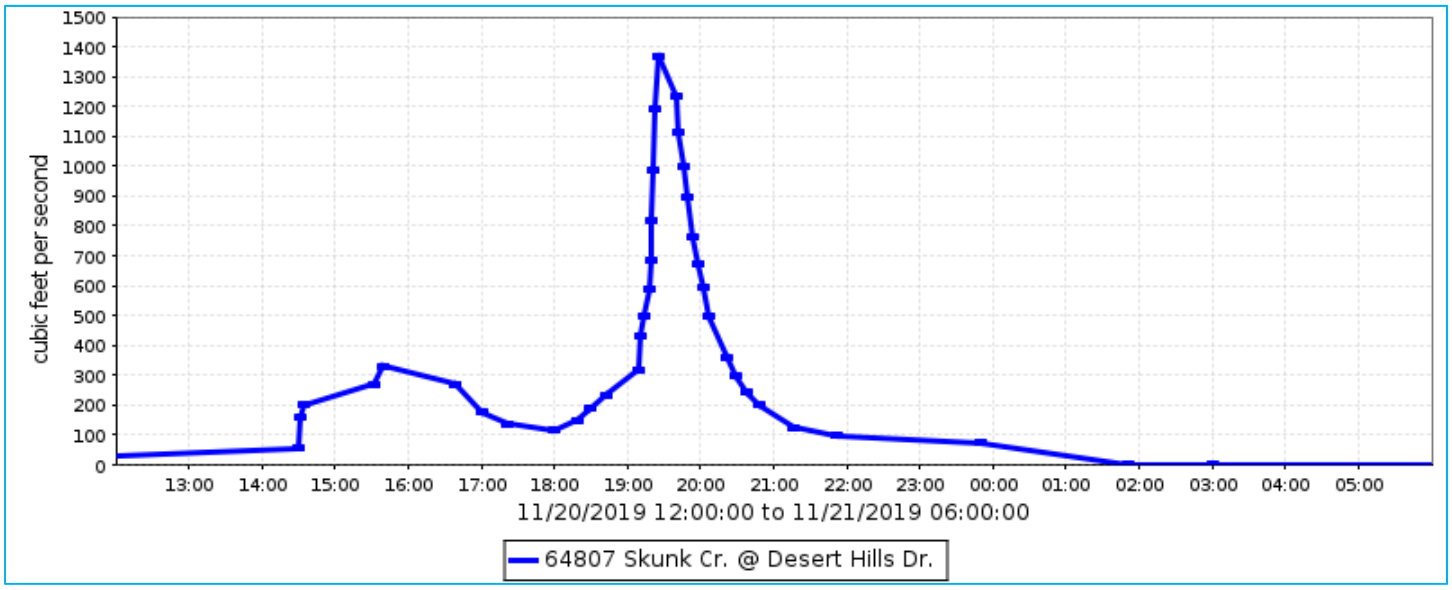




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	3.17	1,370
11/21/2019	1.58	142
11/21/2019	1.69	181
11/29/2019	2.45	632
03/12/2020	1.76	209
03/13/2020	1.57	137

Hydrograph of peak WY 2020 flow event, 11/20/2019



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 2019 to September 2020

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	---					23						
13						26						
14			---									
15	---		---									
16												
17												
18												
19												
20		105										
21		37										
22		15										
23												
24												
25												
26												
27												
28												
29		100										
30					---							
31		---			---		---		---			---
TOTAL	0	257	0	0	0	49	0	0	0	0	0	0
MEAN	0	9	0	0	0	2	0	0	0	0	0	0
MAX	0	1370	0	0	0	209	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	509	0	0	0	97	0	0	0	0	0	0

WTR YR 2020 TOTAL 306 MEAN 1 MAX 1370 MIN 0 AC_FT 606

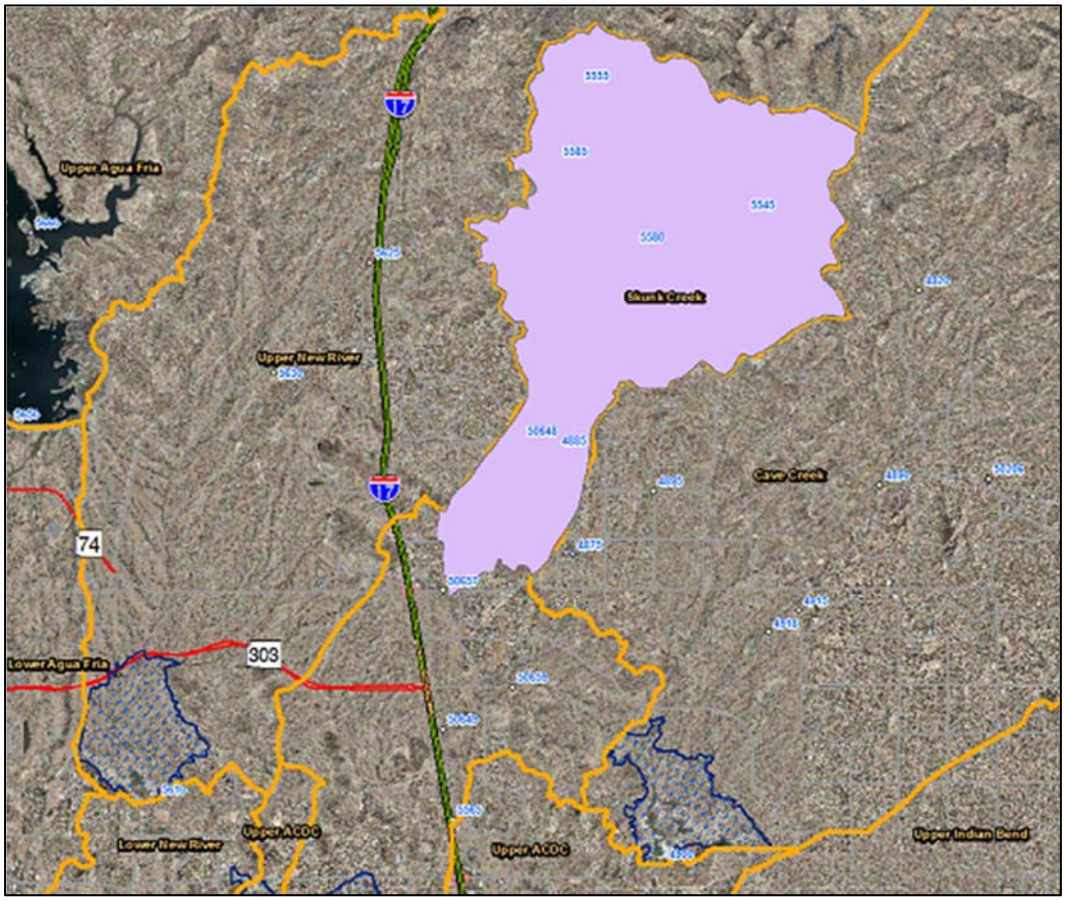
Skunk Creek at Carefree Highway, ID #65707

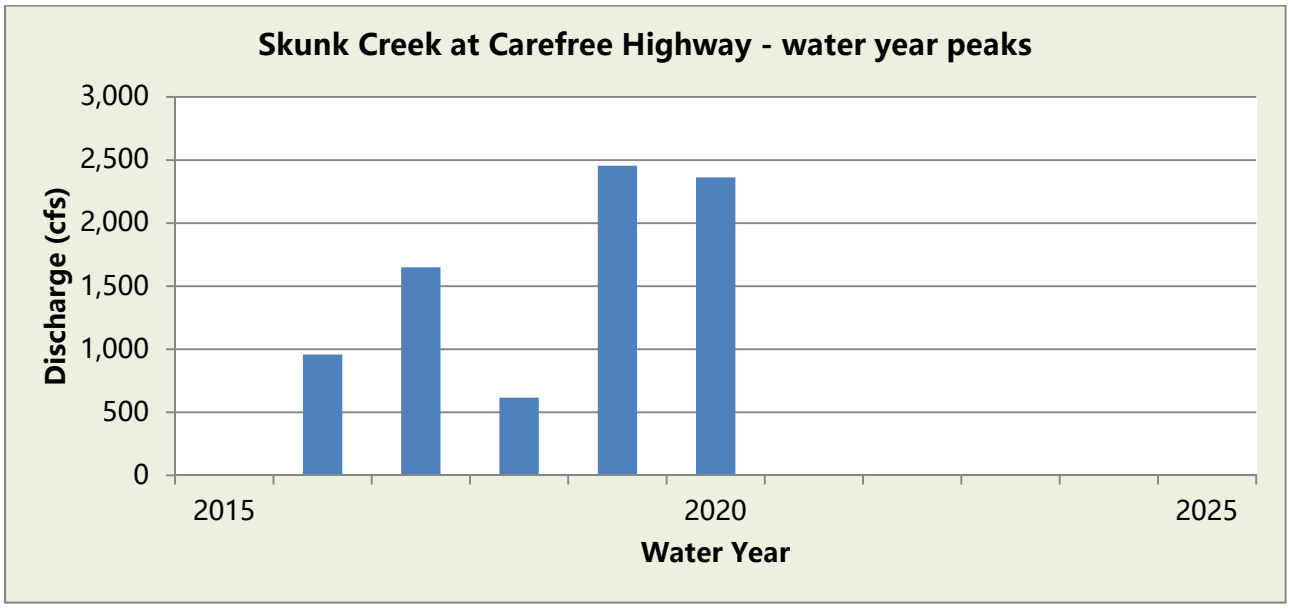


Site Data

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	5.12 Years | 1,870 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

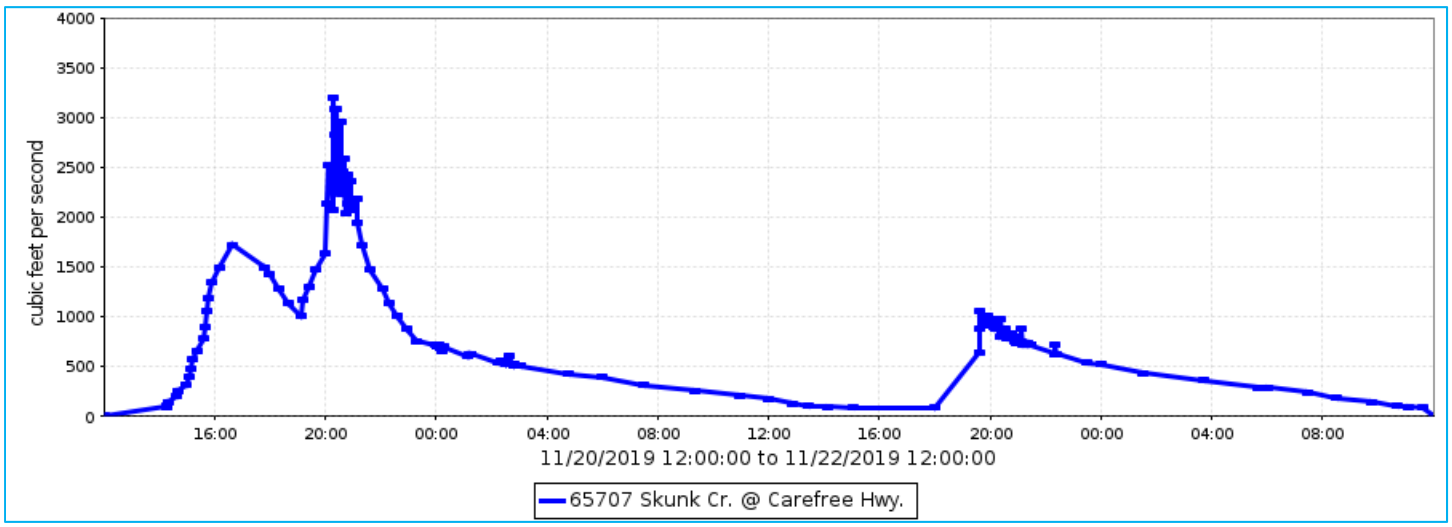




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	3.80	1,715
11/20/2019	4.50	3,193
11/21/2019	3.28	1,051
11/29/2019	4.18	2,418
03/12/2020	3.01	775
03/13/2020	3.18	944
03/13/2020	2.93	710

Hydrograph of peak WY 2020 flow event, 11/20/2019



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
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9												
10												
11												
12						129						
13						542						
14						99						
15												
16												
17												
18												
19												
20		532										
21		376										
22		152										
23												
24												
25												
26												
27												
28												
29		539										
30		36			---							
31		---			---		---		---			---
TOTAL	0	1635	0	0	0	770	0	0	0	0	0	0
MEAN	0	54	0	0	0	25	0	0	0	0	0	0
MAX	0	3193	0	0	0	944	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	3242	0	0	0	1527	0	0	0	0	0	0

WTR YR 2020 TOTAL 2405 MEAN 7 MAX 3193 MIN 0 AC_FT 4770

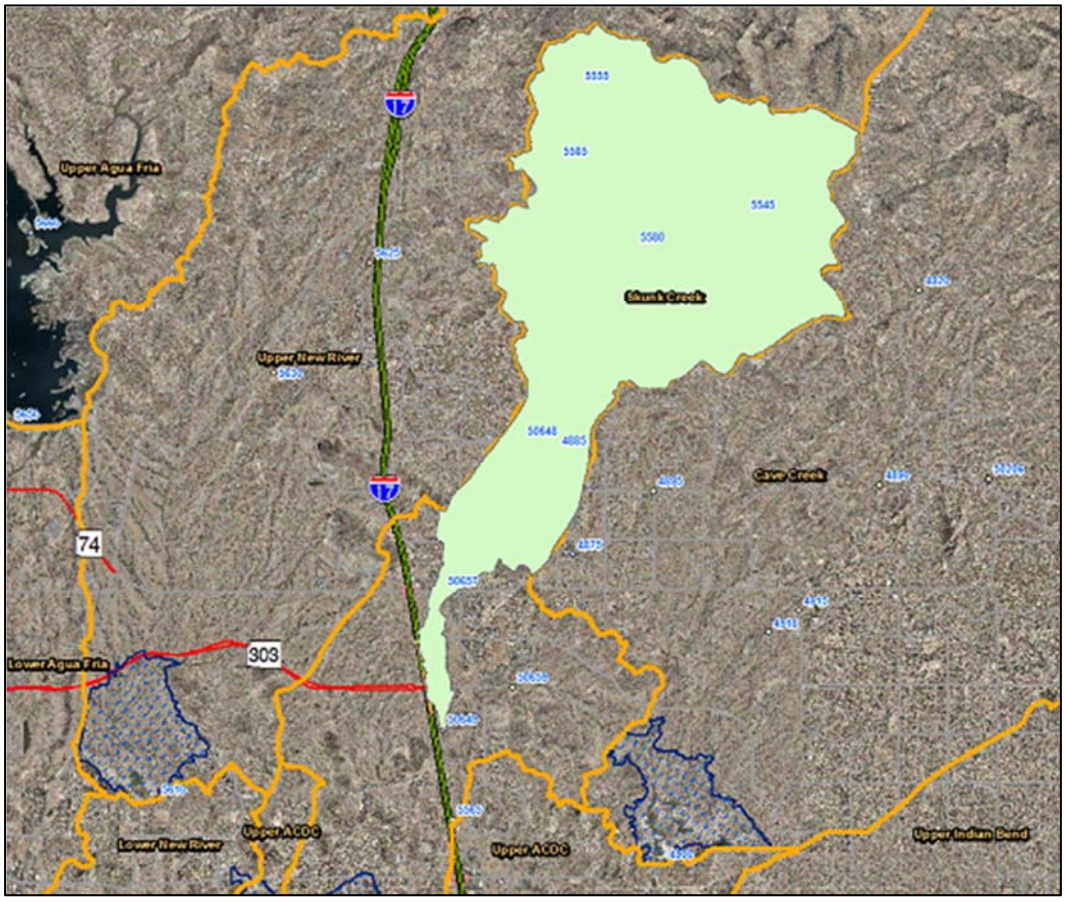
Skunk Creek at Dixileta Drive, ID #64907

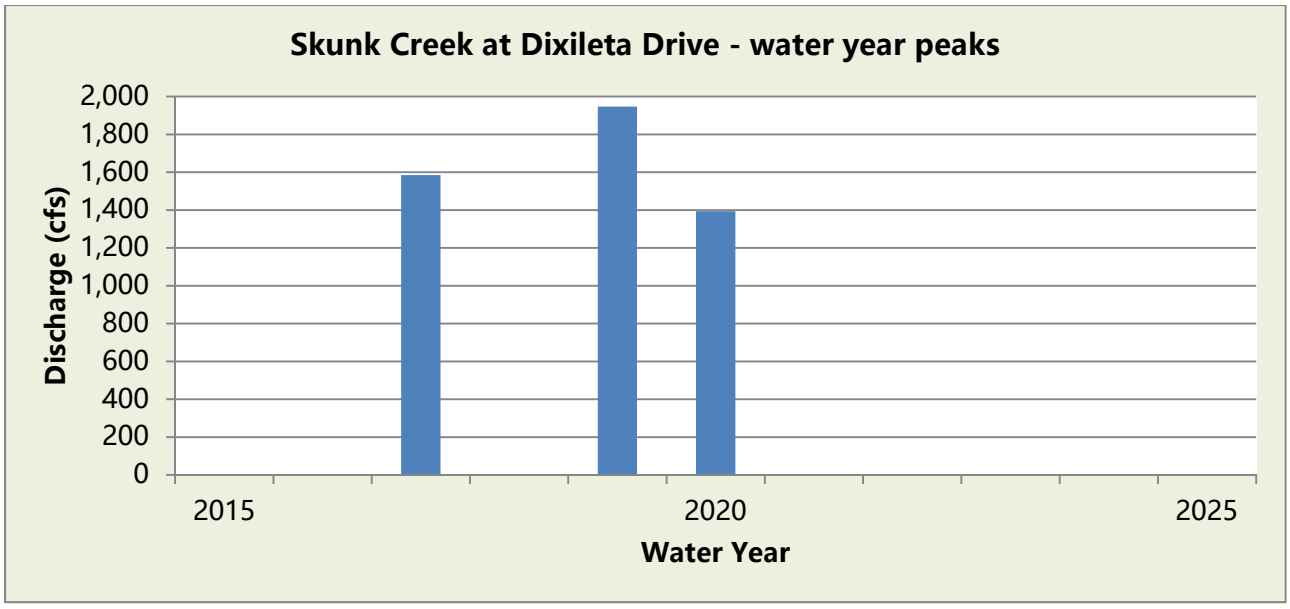


Site Data

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	4.72 Years | 1,725 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

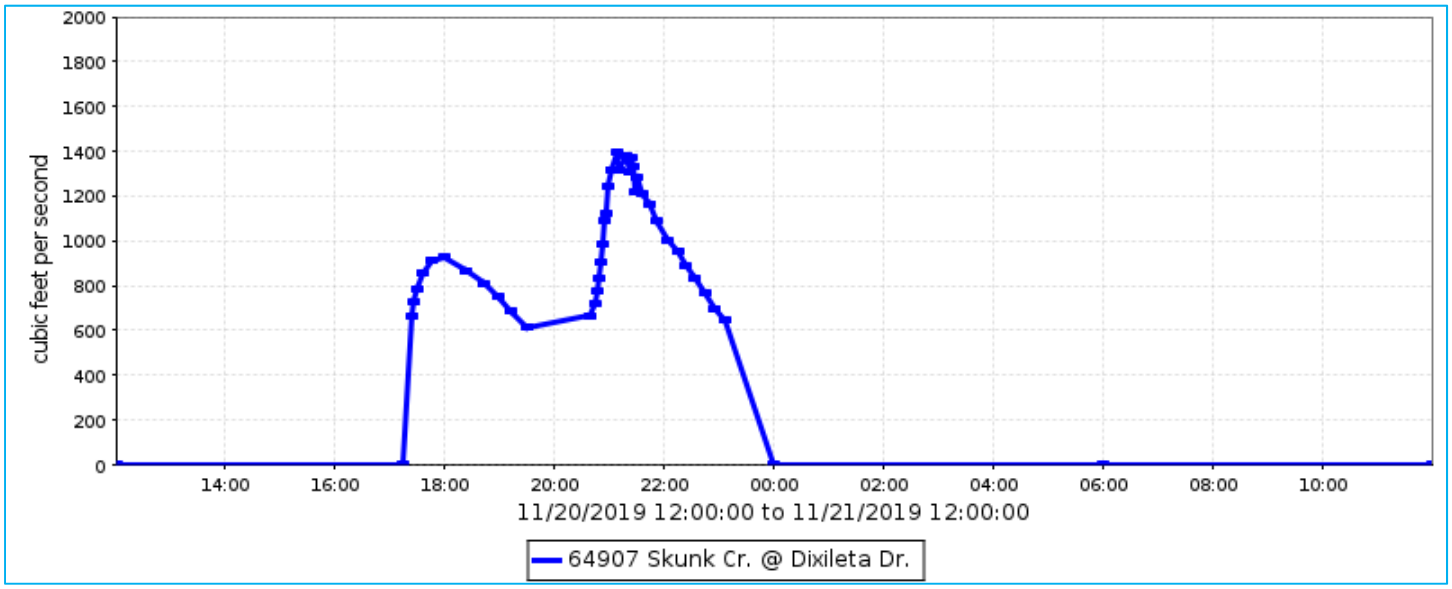




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	2.92	927
11/20/2019	3.94	1,394
11/29/2019	3.54	1,196

Hydrograph of peak WY 2020 flow event, 11/20/2019



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
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17												
18												
19												
20		230										
21												
22												
23												
24												
25												
26												
27												
28												
29		154										
30					---							
31		---			---		---		---			---
TOTAL	0	384	0	0	0	0	0	0	0	0	0	0
MEAN	0	13	0	0	0	0	0	0	0	0	0	0
MAX	0	1394	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	763	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 384 MEAN 1 MAX 1394 MIN 0 AC_FT 763

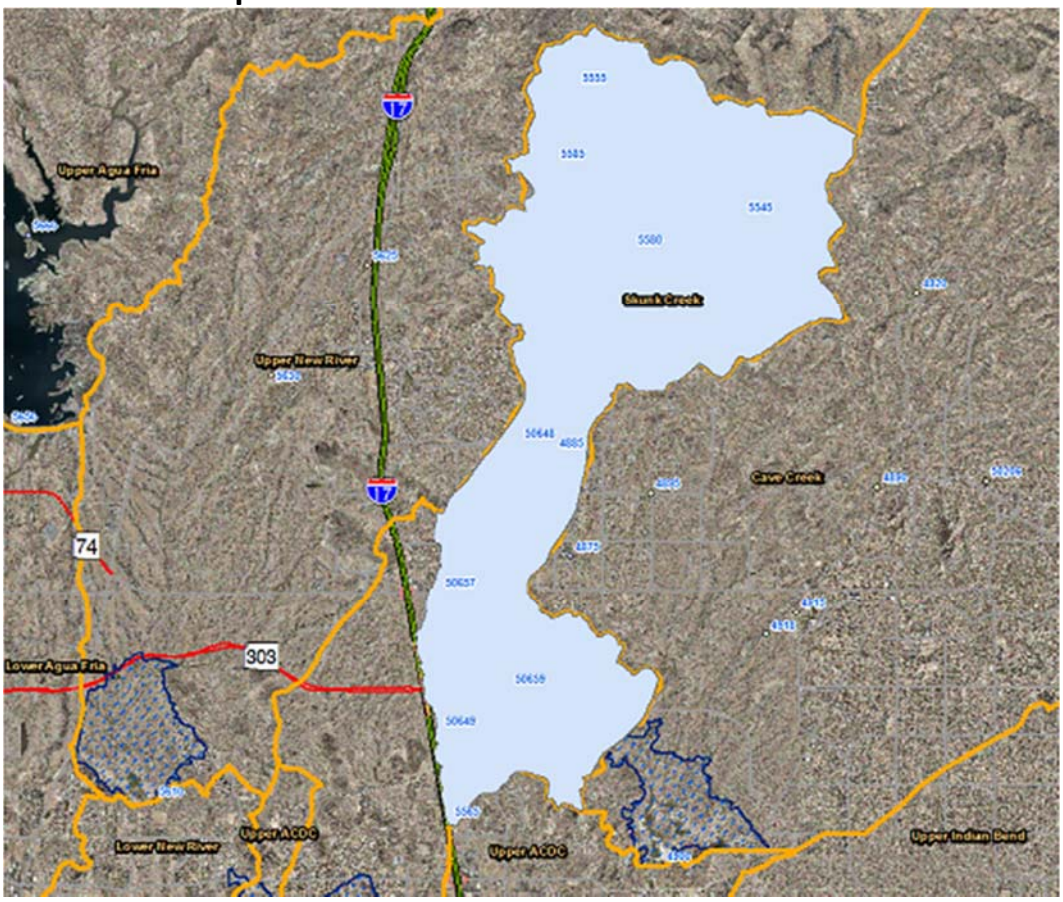
Skunk Creek at I-17, ID #65807

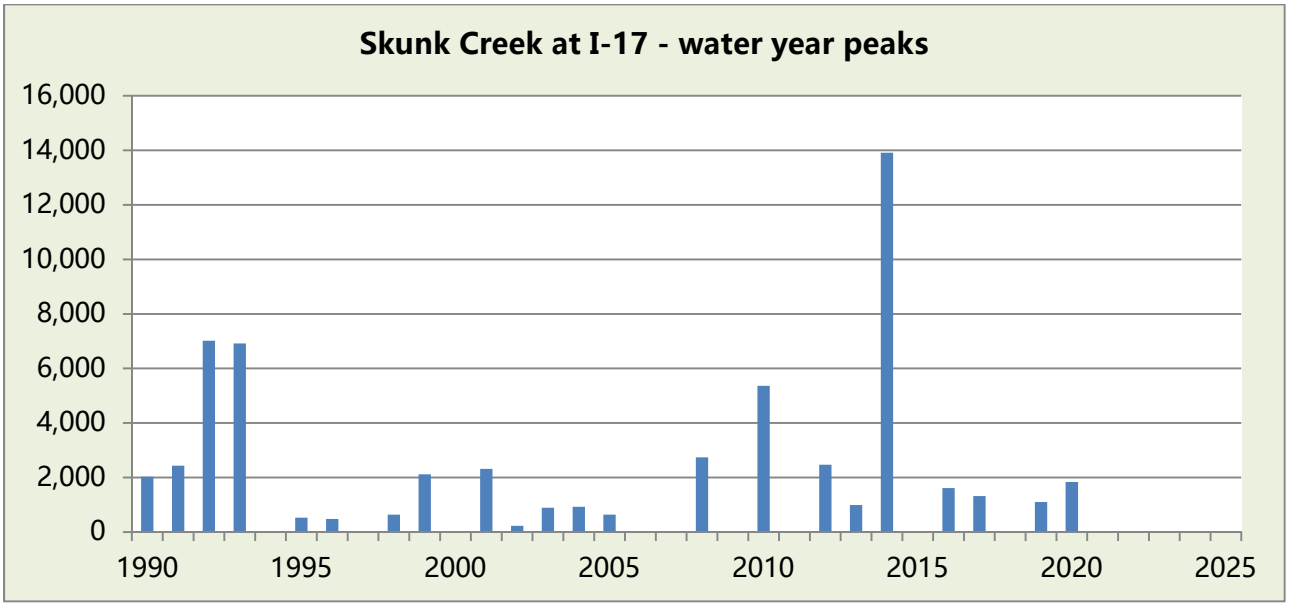


Site Data

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	30.14 Years | 11,009 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

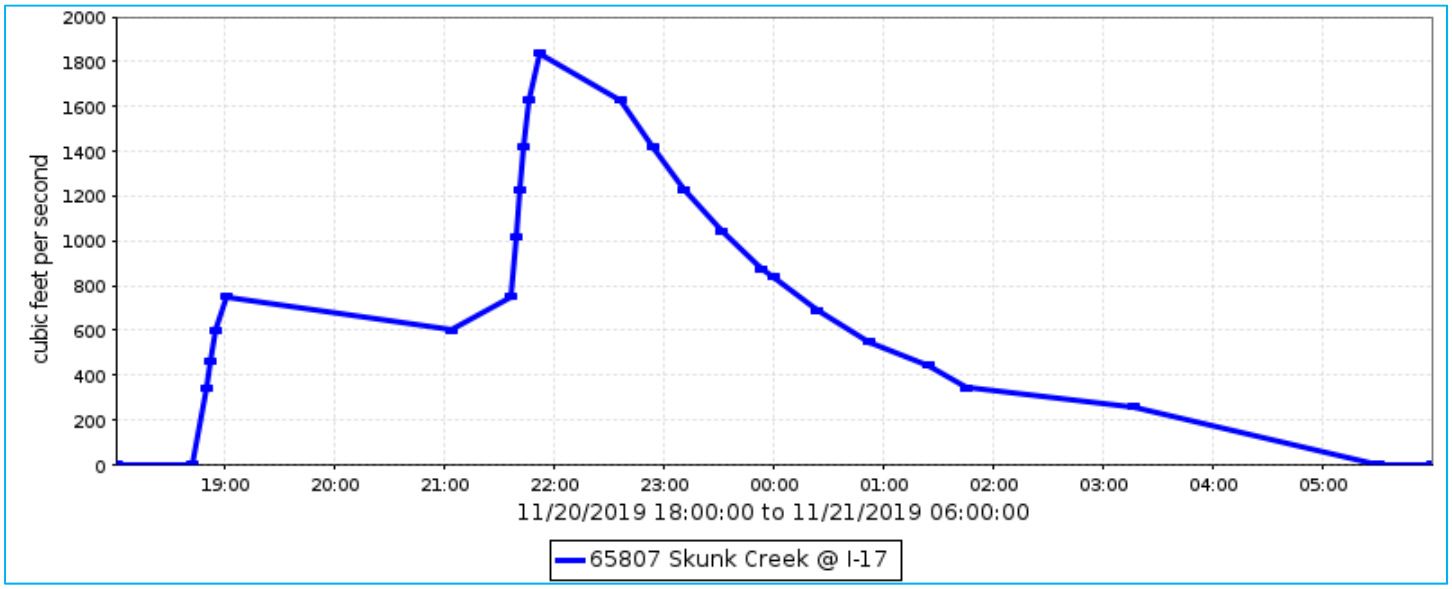




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	2.67	1,835
11/29/2019	2.47	1,500
03/11/2020	1.47	305
03/13/2020	1.68	467

Hydrograph of peak WY 2020 flow event, 11/20/2019



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**
872	**3,610**	**6,850**	**11,100**	**18,000**	**24,300**

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

Skunk Creek at I-17, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						9						
12						1						
13						29						
14												
15												
16												
17												
18												
19												
20		226										
21		92										
22												
23												
24												
25												
26												
27												
28												
29		321										
30					---							
31		---			---		---		---			---
TOTAL	0	639	0	0	0	39	0	0	0	0	0	0
MEAN	0	21	0	0	0	1	0	0	0	0	0	0
MAX	0	1835	0	0	0	467	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1267	0	0	0	77	0	0	0	0	0	0

WTR YR 2020 TOTAL 677 MEAN 2 MAX 1835 MIN 0 AC_FT 1343

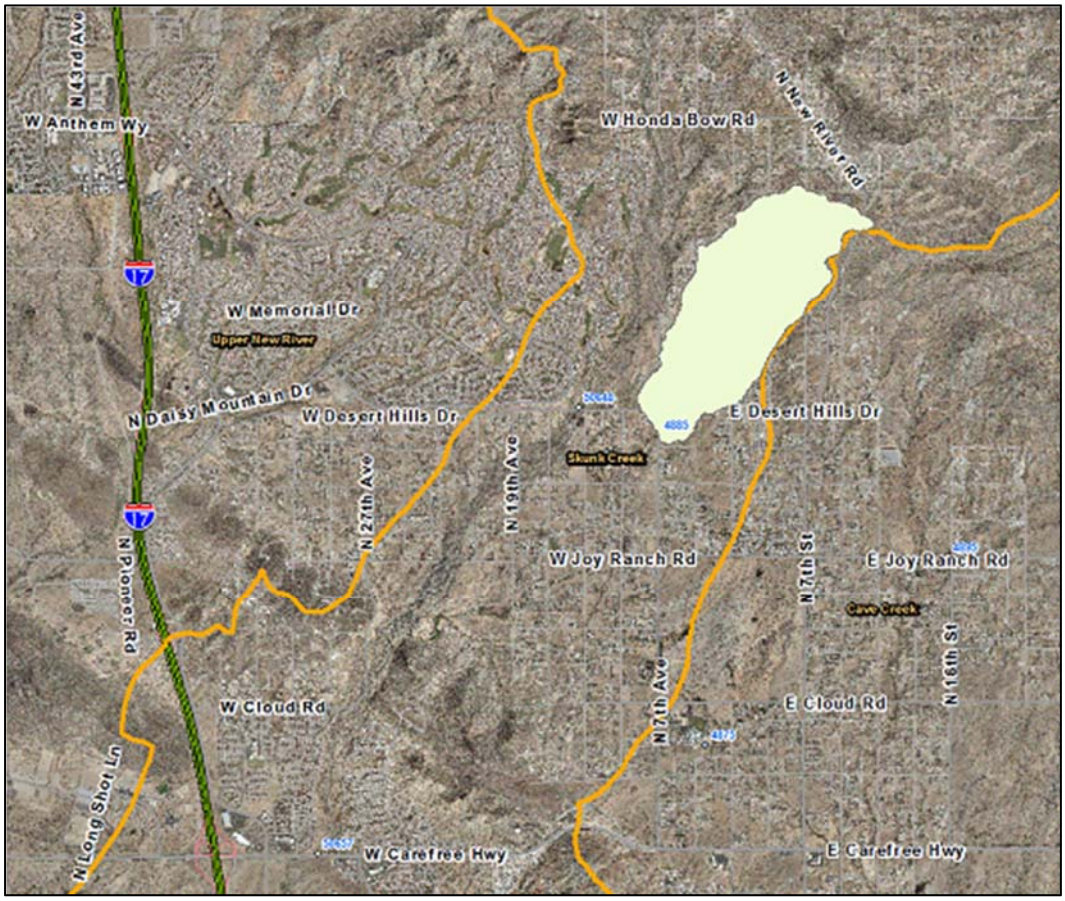
Skunk Tank Wash, ID #64707

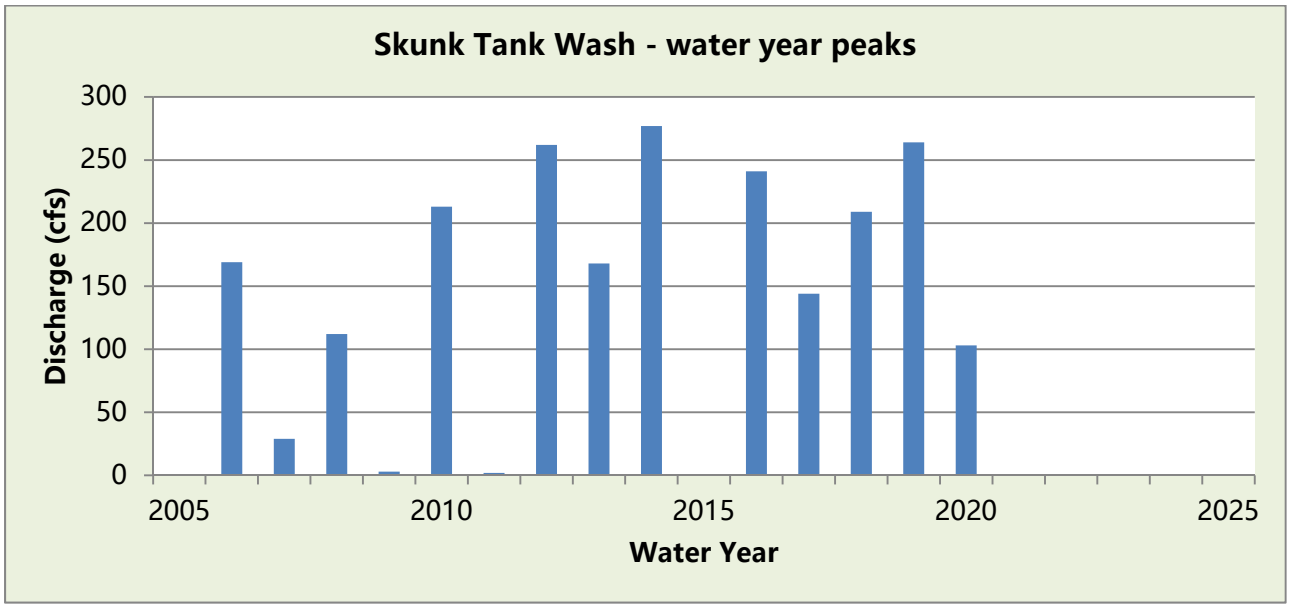


Site Data

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	14.58 Years | 5,327 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

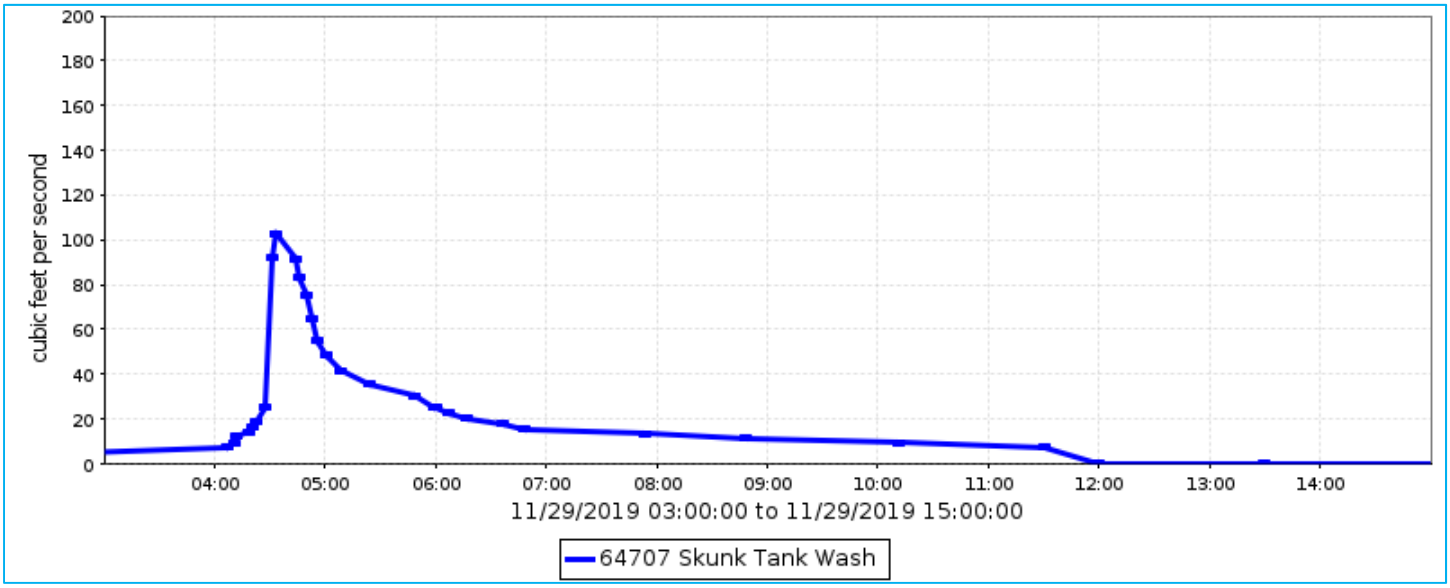




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/20/2019	1.86	25
11/29/2019	3.47	103
03/12/2020	1.18	14
03/13/2020	1.52	19
03/13/2020	2.06	32
03/18/2020	1.57	20

Hydrograph of peak WY 2020 flow event, 11/29/2019



Flood Flow Frequency

Flood Flow Frequency N=15, HEC-WRC computation (based on 15 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
100	**323**	**494**	**647**	**812**	**910**

Skunk Tank Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3								1				
4												
5												
6												
7												
8												
9												
10												
11												
12						1						
13						7						
14												
15												
16												
17												
18						3						
19												
20		6						1				
21												
22												
23												
24												
25												
26												
27												
28												
29		7										
30					---							
31		---			---		---		---			---
TOTAL	0	12	0	0	0	10	0	3	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	103	0	0	0	32	0	5	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	25	0	0	0	21	0	5	0	0	0	0

WTR YR 2020 TOTAL 26 MEAN 0 MAX 103 MIN 0 AC_FT 51

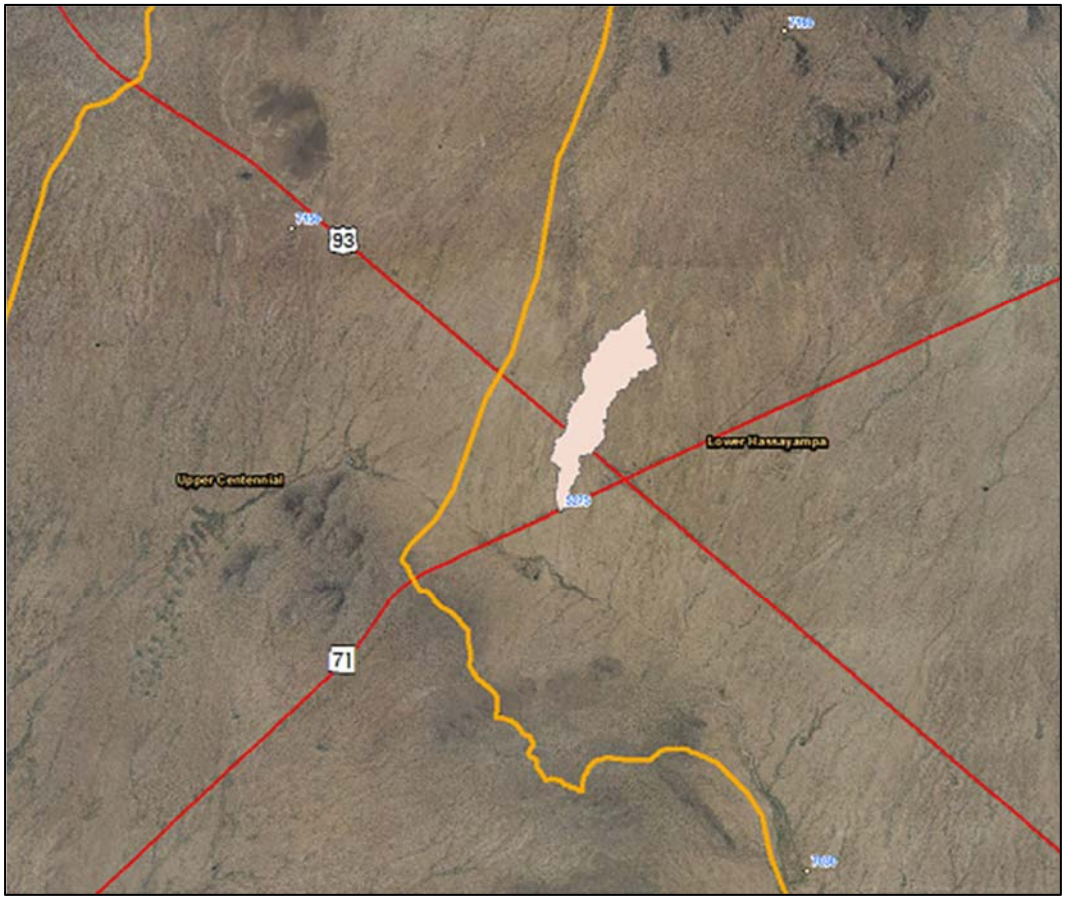
Sols Wash at SR71, ID #47707

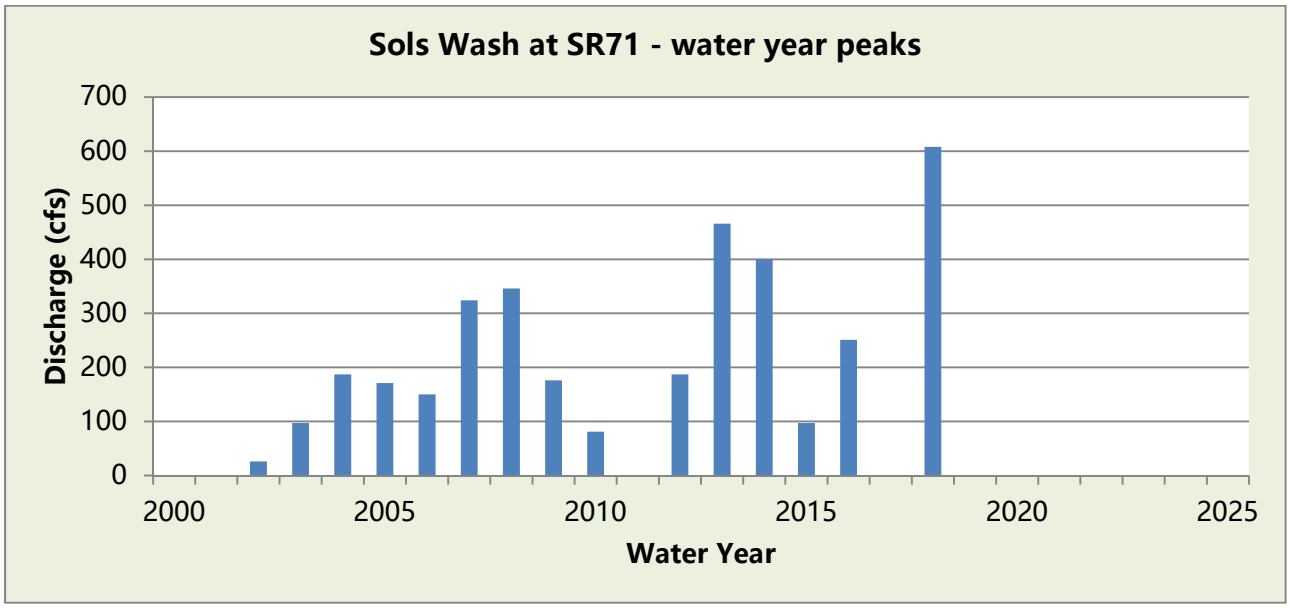


Site Data

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	19.05 Years | 6,959 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,737.60 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded during Water Year 2020

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**
151	**366**	**481**	**560**	**624**	**653**

NOTE: These results are based on very limited data.

Sols Wash at SR71, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Sols Tributary at US93, ID #50007

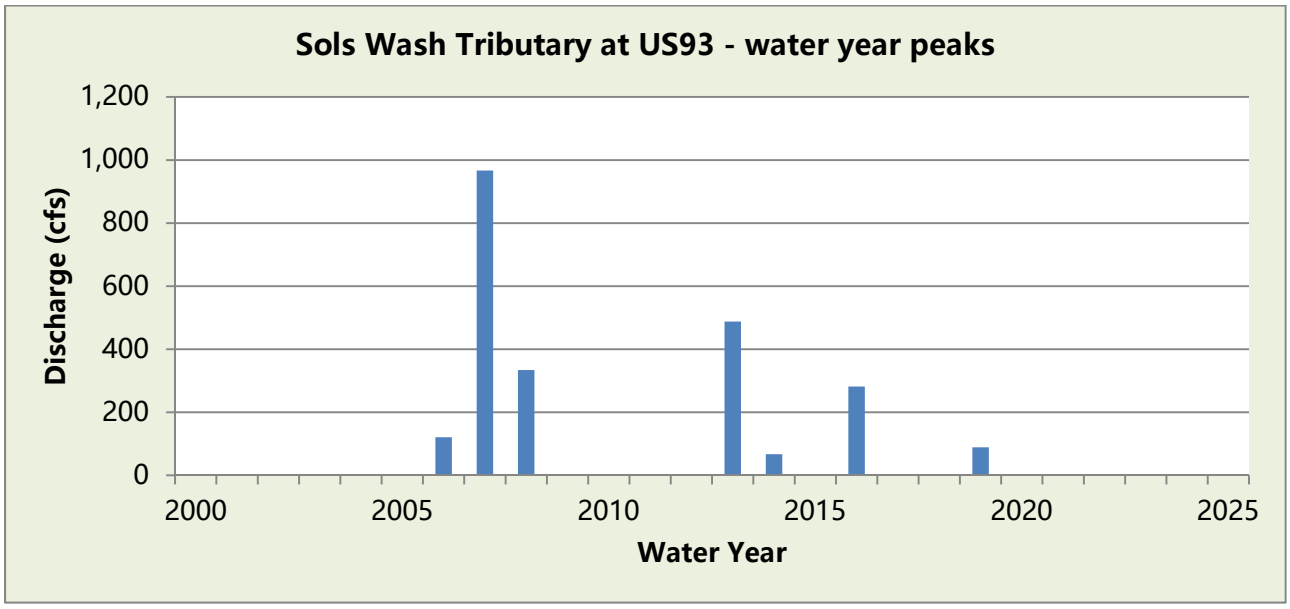


Site Data

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	18.67 Years | 6819 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
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27												
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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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

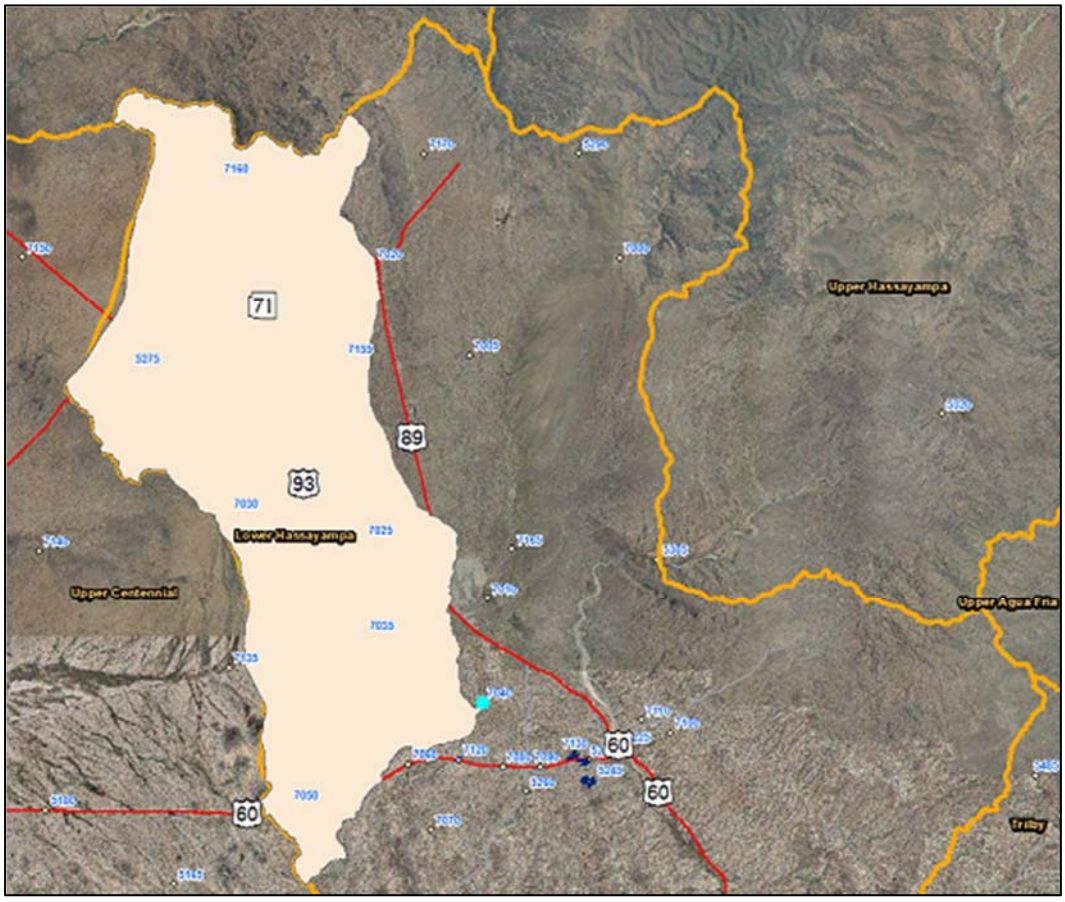
Sols Wash near Matthie, ID #50807

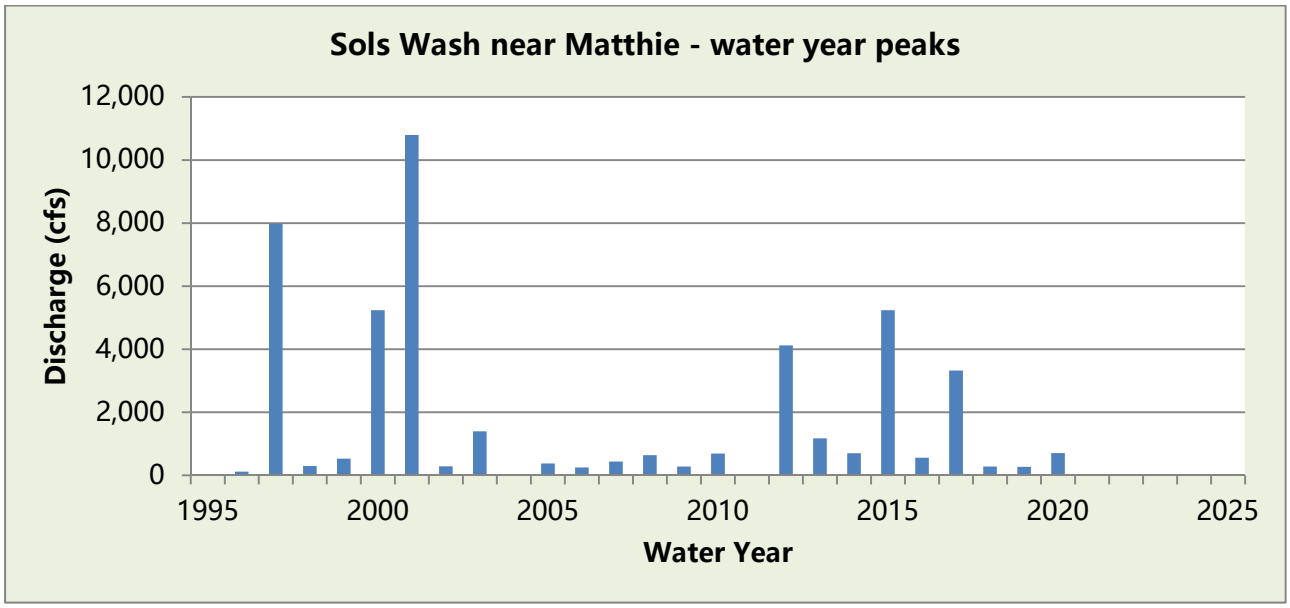


Site Data

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	25.16 Years | 9,190 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

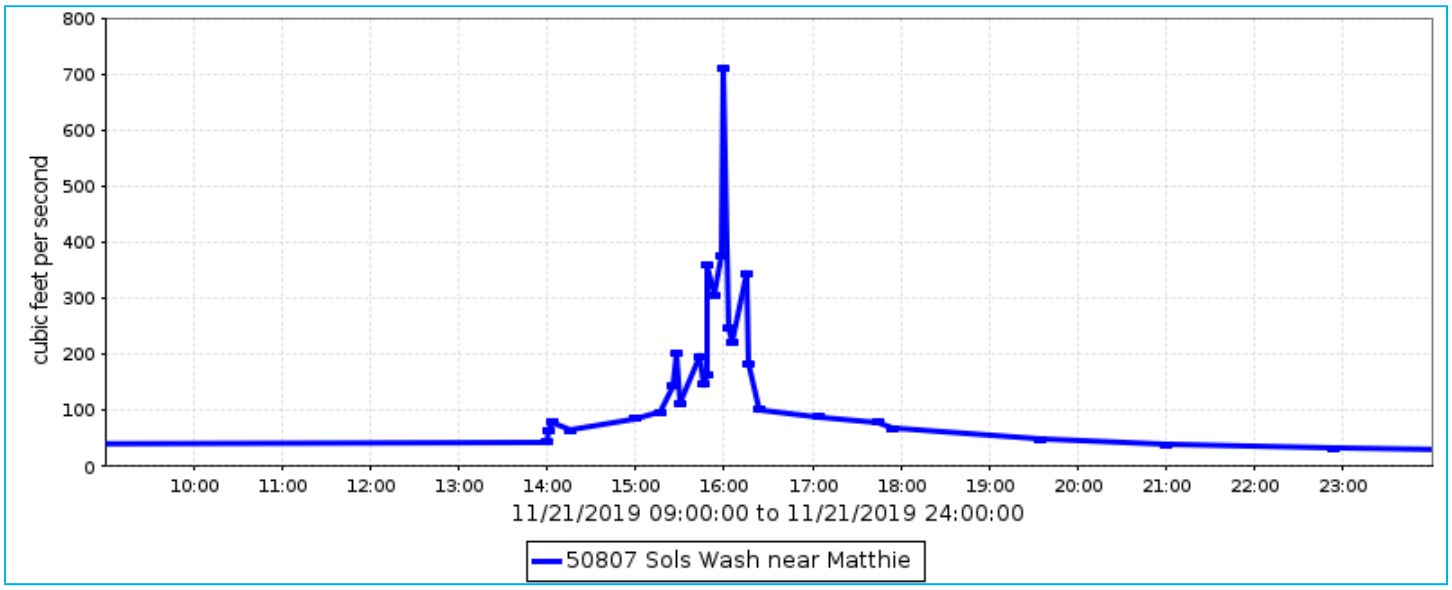




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/21/2019	1.99	710
11/29/2019	1.79	451
03/12/2020	1.29	91
03/13/2020	1.21	82

Hydrograph of peak WY 2020 flow event, 11/21/2019



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**
606	**2,040**	**4,160**	**7,780**	**16,500**	**27,900**

NOTE: These results are based on limited data.

Sols Wash near Matthie, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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			---			8						
13	---		---			24						
14			---									
15												
16			---									
17												
18												
19												
20		27										
21		50										
22		15										
23												
24		---										
25												
26												
27		---										
28												
29		87	---									
30					---							
31		---			---		---		---			---
TOTAL	0	179	0	0	0	32	0	0	0	0	0	0
MEAN	0	6	0	0	0	1	0	0	0	0	0	0
MAX	0	710	0	0	0	91	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	355	0	0	0	63	0	0	0	0	0	0

WTR YR 2020 TOTAL 211 MEAN 1 MAX 710 MIN 0 AC_FT 418

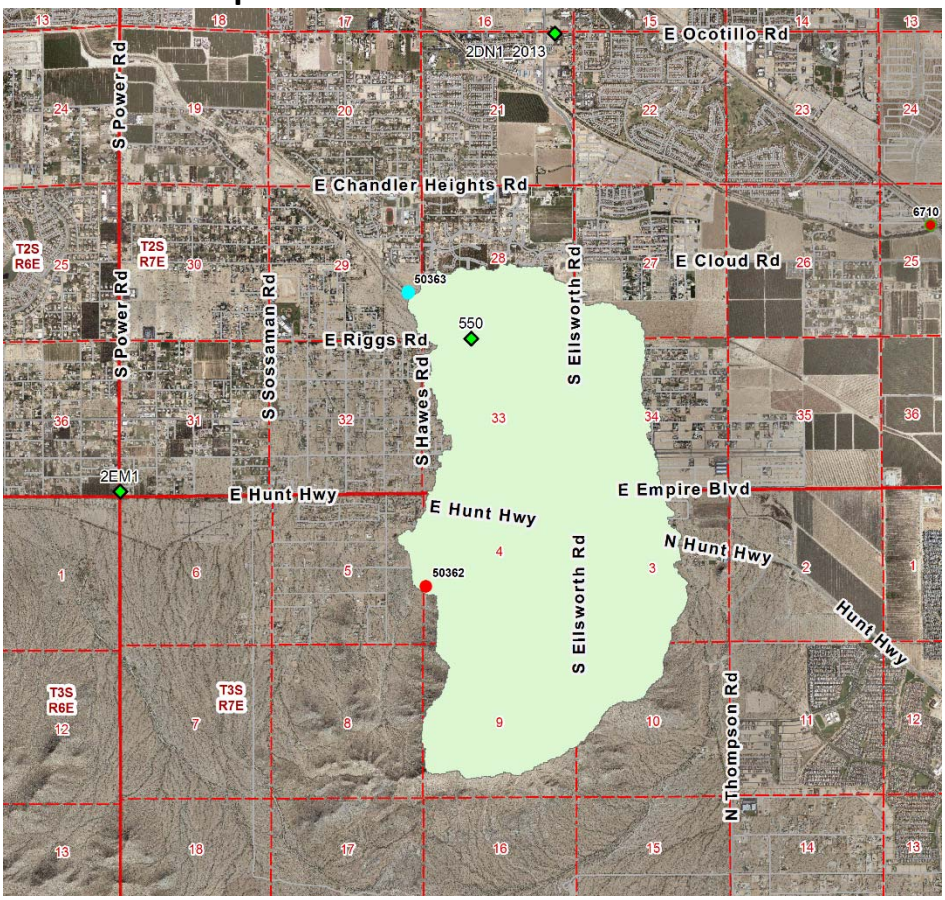
Sonoqui Wash near Hawes Road, ID #36307

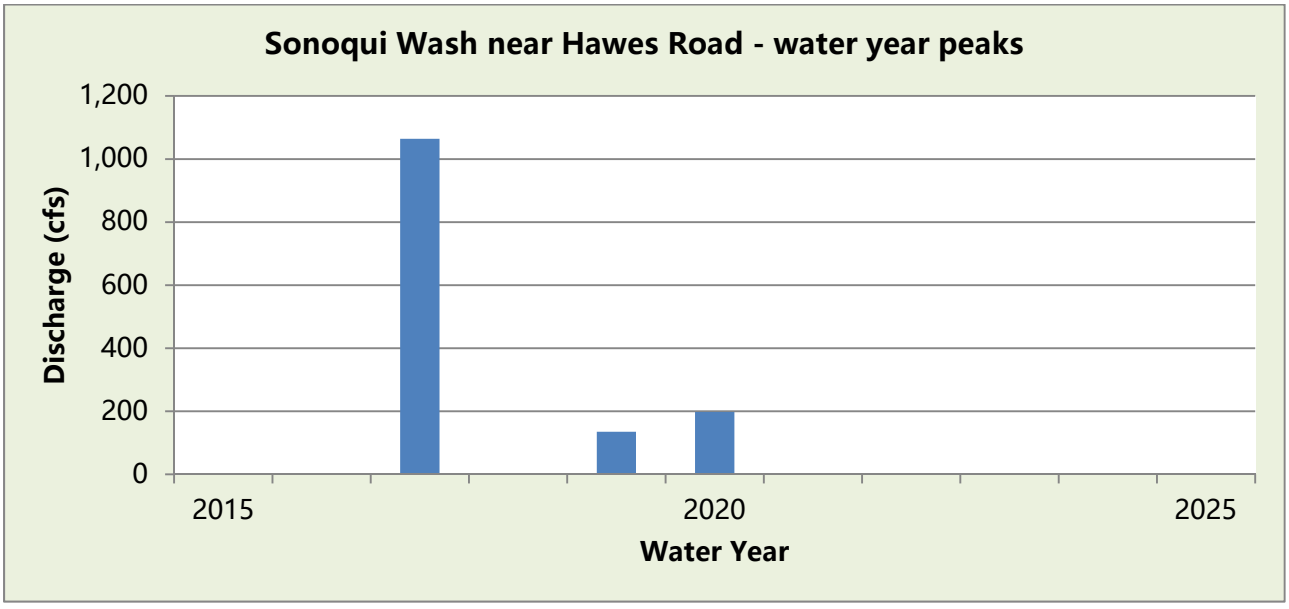


Site Data

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	3.78 Years | 1,380 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

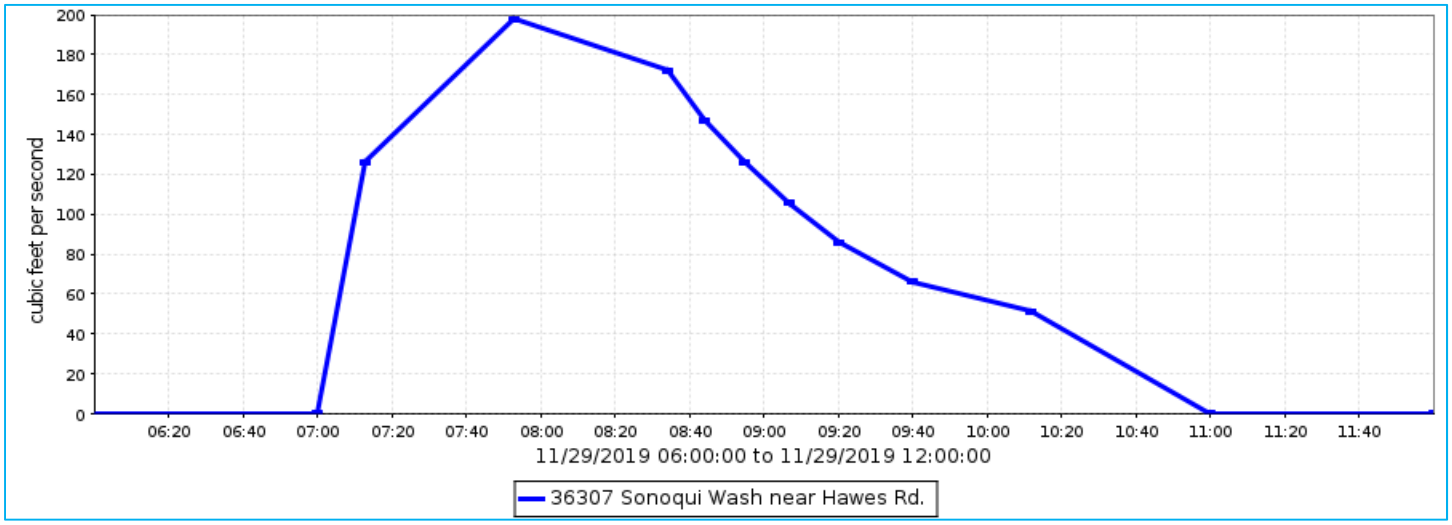




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/29/2019	2.69	198

Hydrograph of peak WY 2020 flow event, 11/29/2019



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							1					
2												
3												
4												
5		1										
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20		5										
21		15										
22		3										
23												
24												
25			4									
26												
27												
28												
29		13										
30					---							
31		---			---		---		---			---
TOTAL	0	38	4	0	0	0	1	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	0	48	17	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	75	9	0	0	0	3	0	0	0	0	0

WTR YR 2020 TOTAL 44 MEAN 0 MAX 48 MIN 0 AC_FT 87

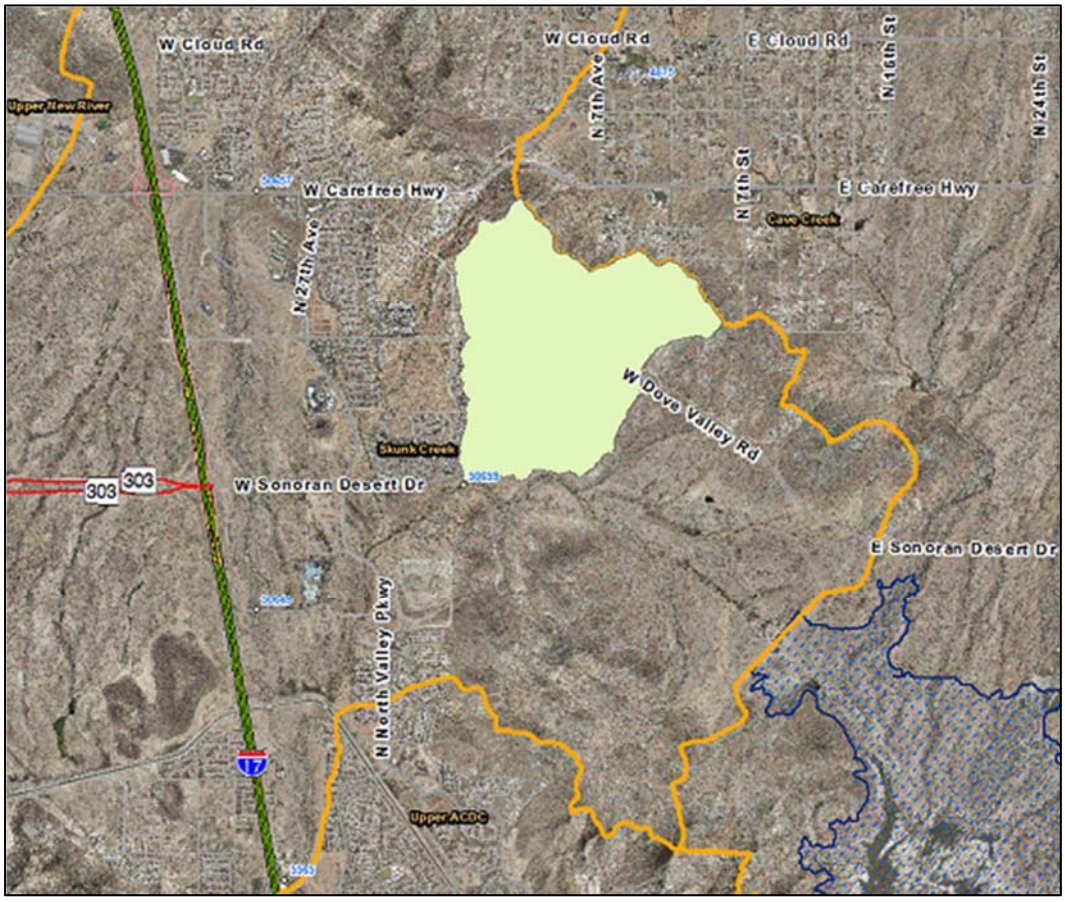
Sonoran Wash, ID #65907

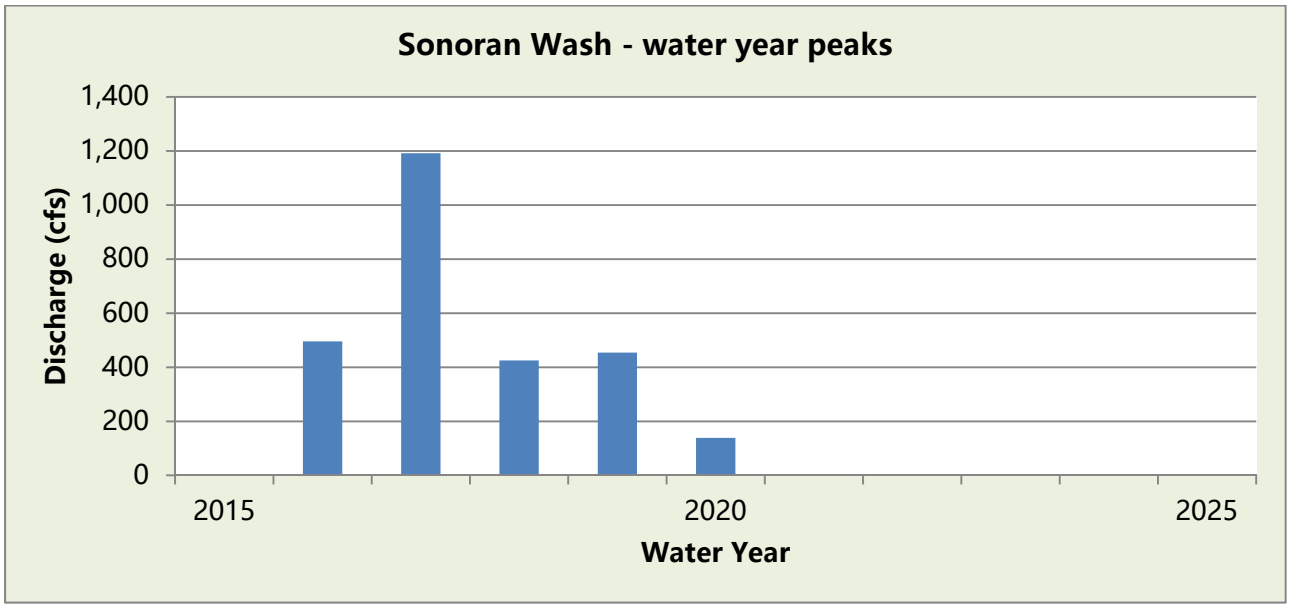


Site Data

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	4.97 Years | 1,815 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

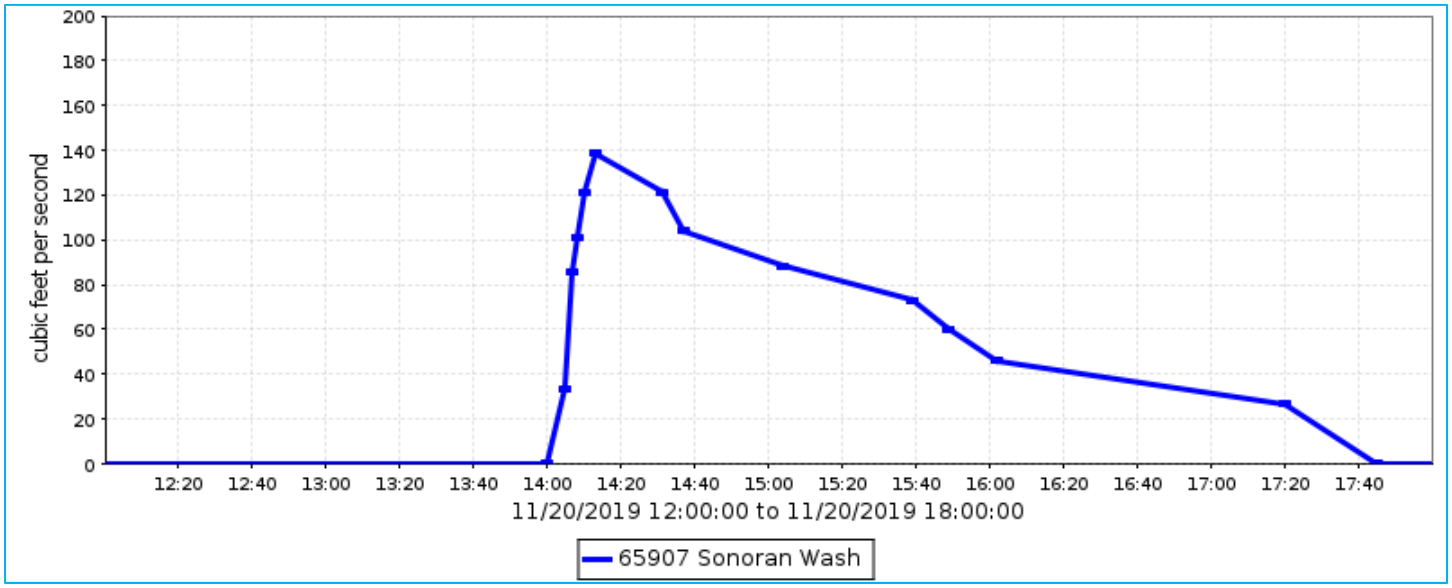




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	2.28	139
11/29/2019	2.08	110

Hydrograph of peak WY 2020 flow event, 11/20/2019



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 2019 to September 2020

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		11										
21												
22												
23												
24												
25												
26												
27												
28												
29		8										
30					---							
31		---			---		---		---			---
TOTAL	0	19	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	0	139	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	37	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 19 MEAN 0 MAX 139 MIN 0 AC_FT 37

South Mountain Fan, ID #70507

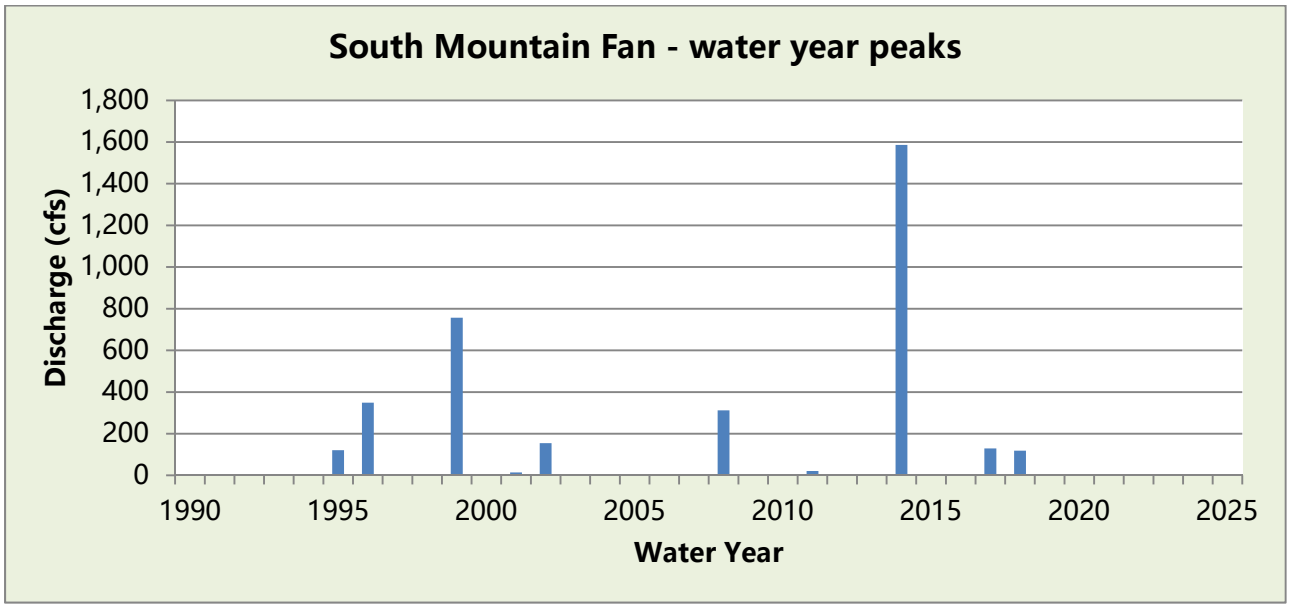


Site Data

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	27.31 Years | 9,976 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No recorded flow during Water Year 2020

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 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

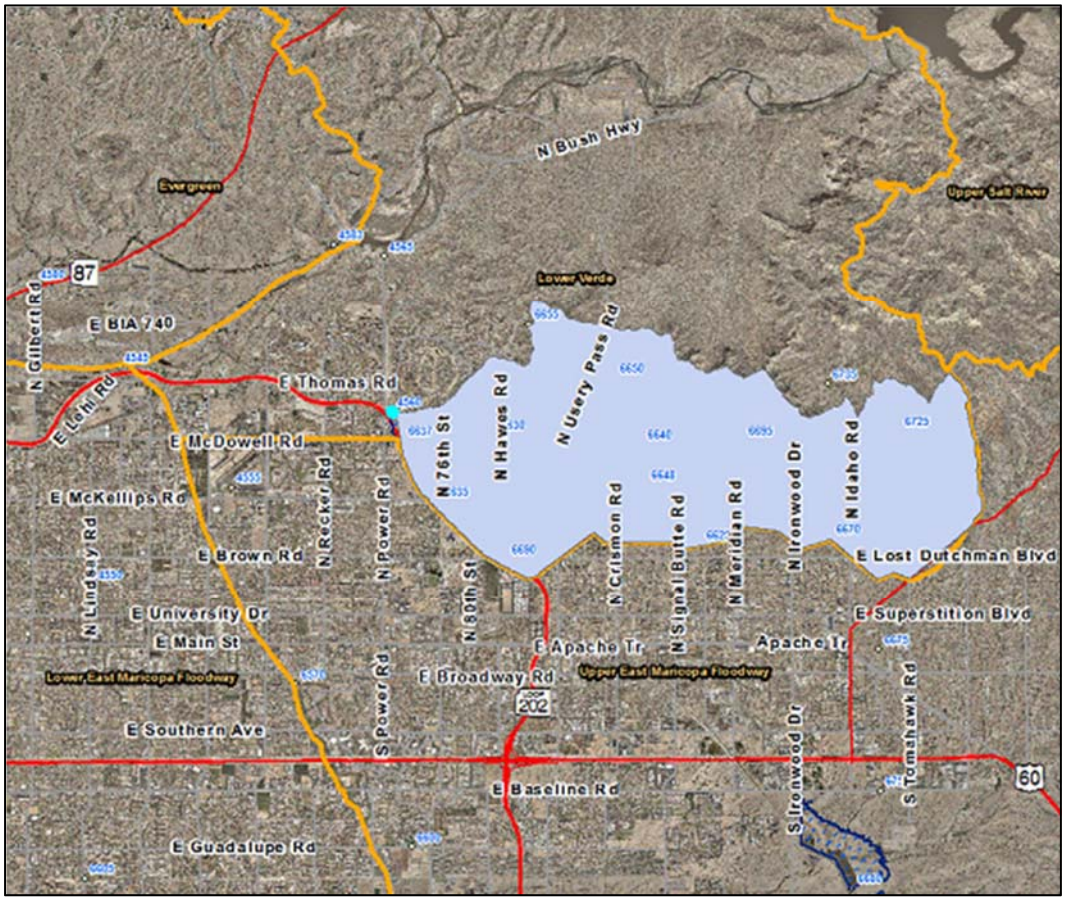
Spookhill FRS, ID #74707

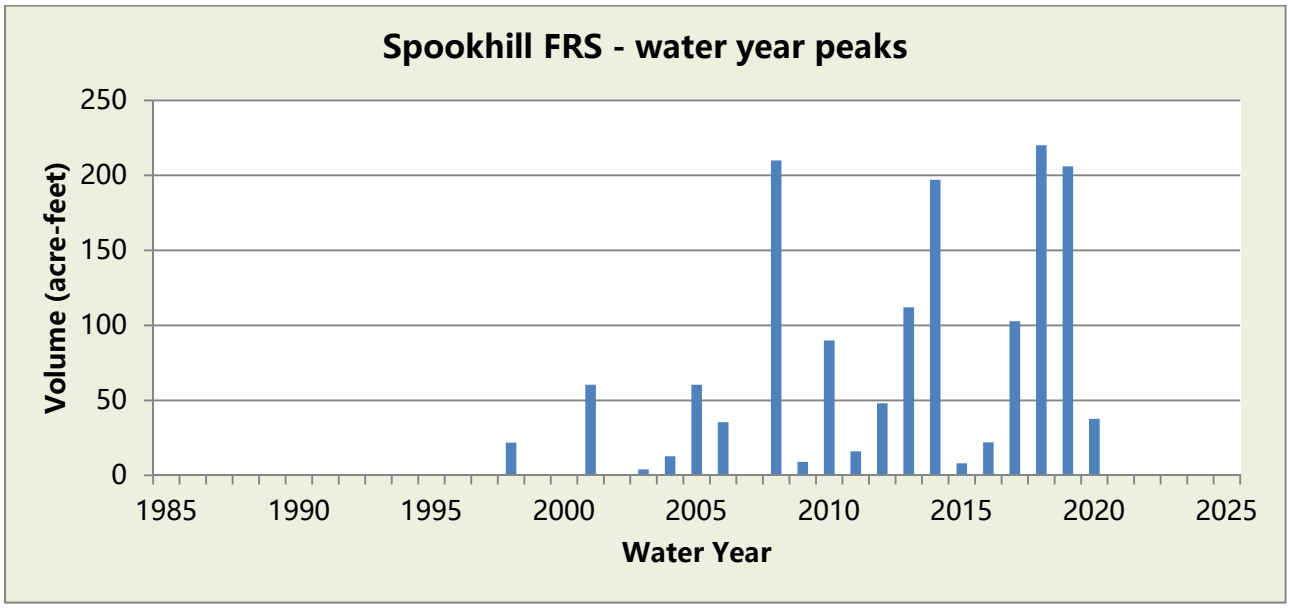


Site Data

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	32.76 Years | 11,964 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 (GATED OUTLET)	0.0 Feet Gage Height
PZF (UNGATED 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

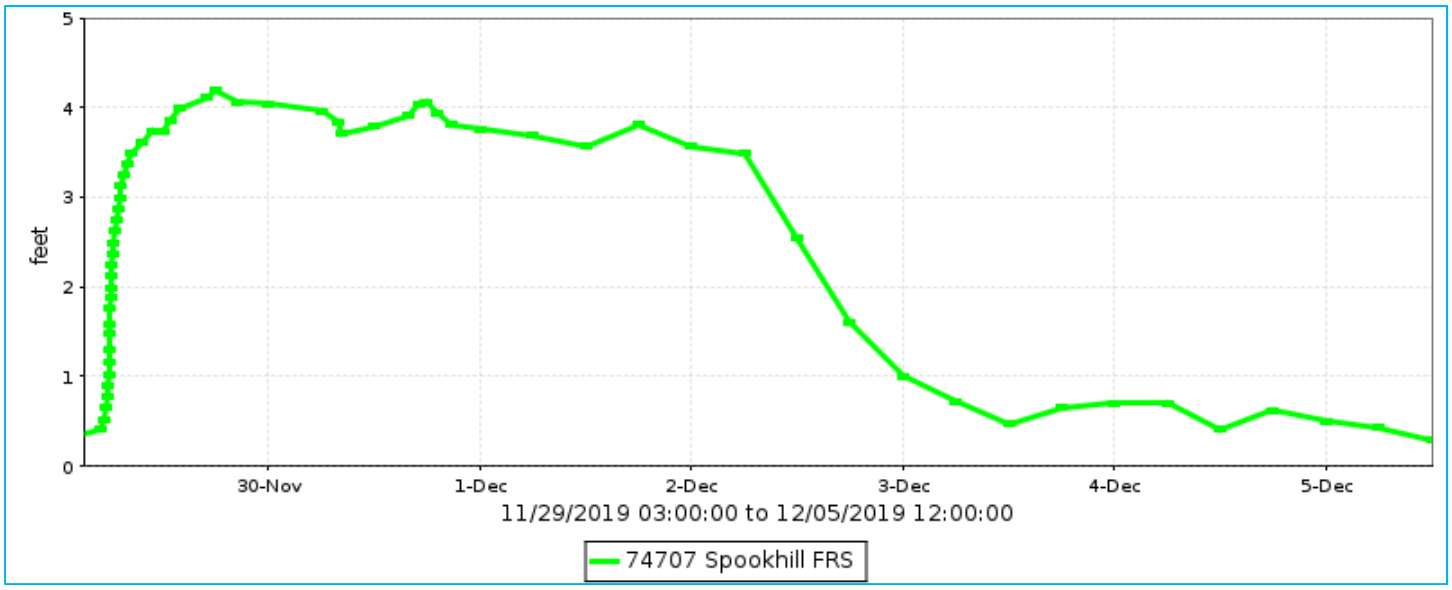




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/21/2019	2.07	1.6	0.1
11/29/2019	4.19	37.7	1.4
12/25/2019	2.54	4.7	0.2
02/23/2020	2.57	5.0	0.2
03/11/2020	2.29	2.7	0.1
03/13/2020	2.09	1.7	0.1
03/18/2020	3.07	11.7	0.4
08/17/2020	0.77	0.0	0.0

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Spookhill FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			37									
2			32									
3			5									
4										---		
5												
6												
7					---							
8					---							
9					---							
10												
11						13						
12						21						
13						26						
14						25						
15						23						
16						12						
17												
18						7						
19						20						
20		9										
21		18										
22		8			10							
23					30							
24					9							
25			15									
26			23									
27			23									
28			18									
29		28	4									
30		38			---							
31		---			---		---		---			---
TOTAL	0	102	157	0	50	147	0	0	0	0	0	0
MEAN	0	3	5	0	2	5	0	0	0	0	0	0
MAX	0	40	38	0	31	34	0	0	0	0	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	202	311	0	99	291	0	0	0	0	0	0

WTR YR 2020 TOTAL 455 MEAN 1 MAX 40 MIN 0 AC_FT 903

Spookhill FRS, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 0 MAX 38 MIN 0

Spookhill FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	3.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	0.3	0.3	2.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	---	0.3	0.3
5	0.3	0.3	0.4	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
8	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
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	1.2	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	1.5	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.3	0.3	1.8	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	1.8	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.3	1.6	0.3	0.3	0.3	0.3	0.3	0.3
16	0.3	0.3	0.3	0.3	0.3	0.9	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	0.8	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	1.9	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	1.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.9	0.3	0.3	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.4	0.3	0.3	2.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	1.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	1.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	1.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	1.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	2.9	0.6	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	3.9	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	0.6	0.6	0.3	0.4	0.6	0.3	0.3	0.3	0.3	0.3	0.3
MAX	0.3	4.2	3.8	0.3	2.6	3.1	0.3	0.3	0.3	0.3	0.8	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 2020 MEAN 0.37 MAX 4.19 MIN 0.28

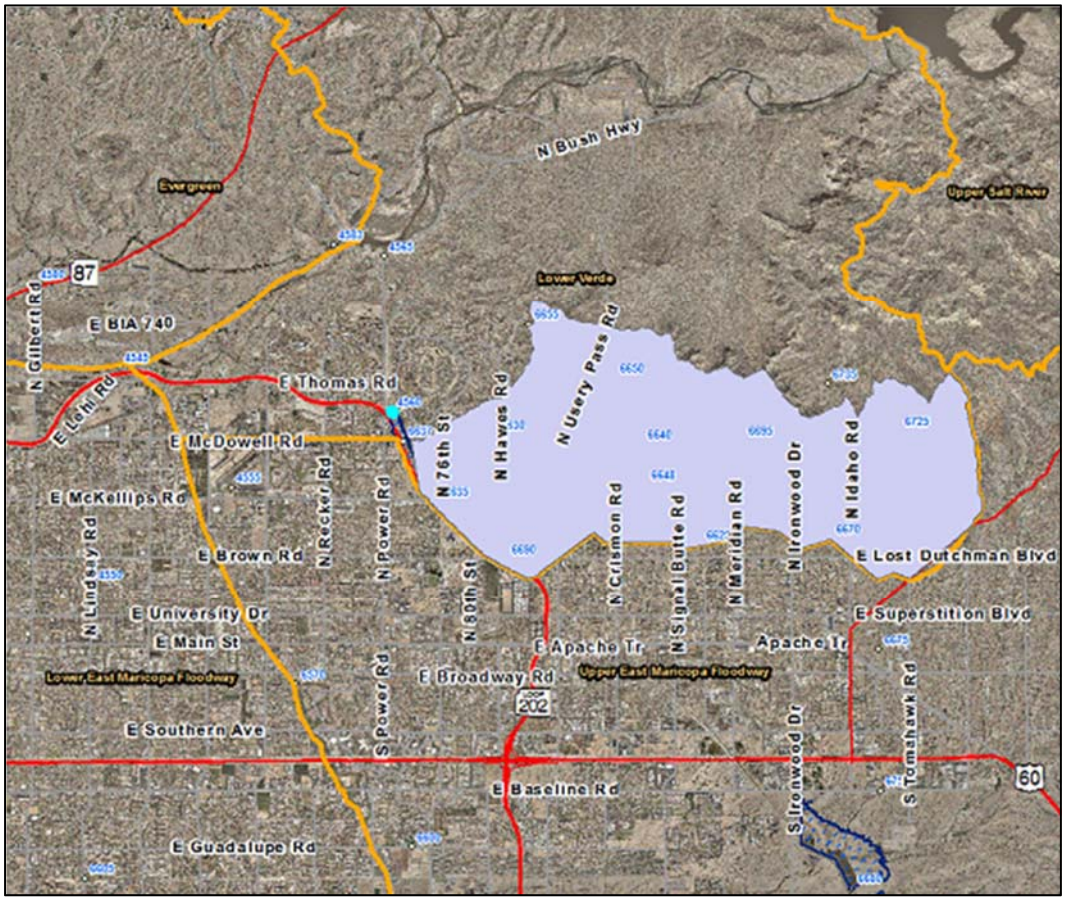
Spookhill FRS at McDowell Road, ID #80007

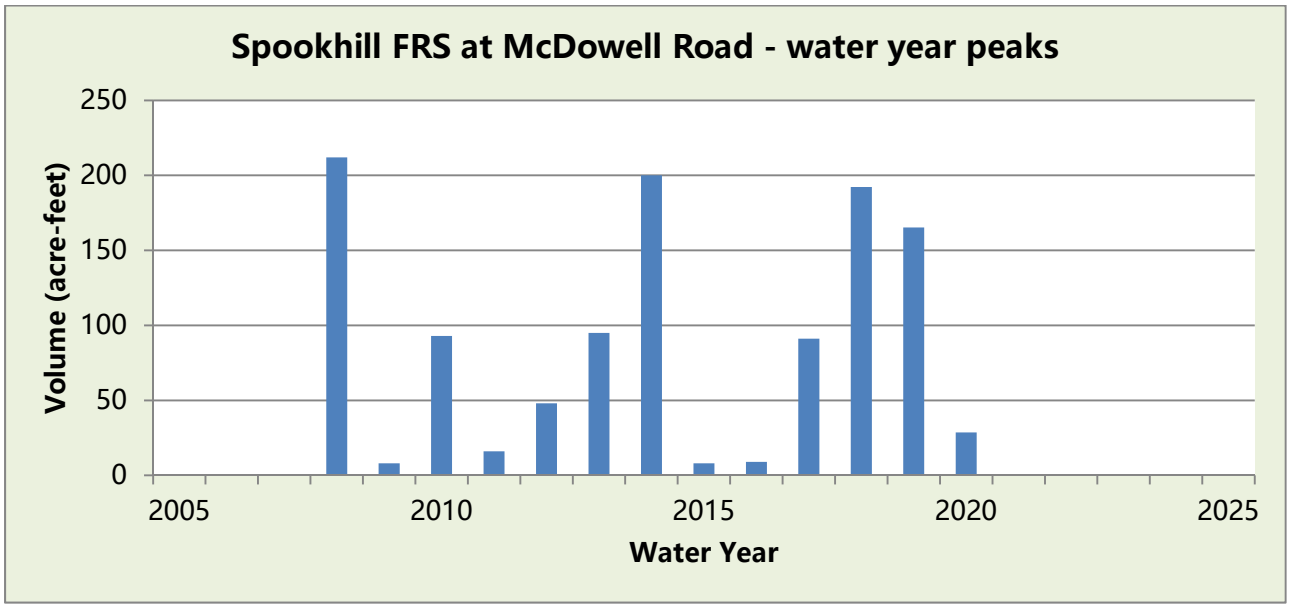


Site Data

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	12.28 Years | 4,487 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

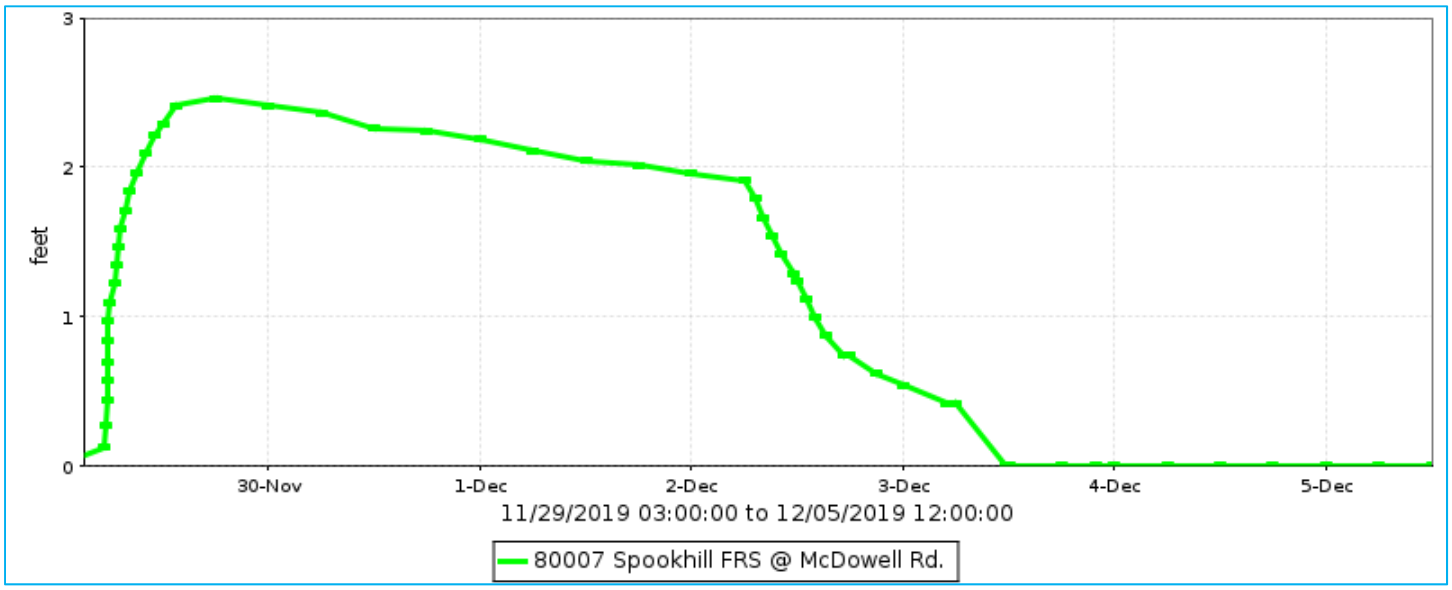




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/21/2019	0.59	1.4	0.0
11/29/2019	2.46	28.6	0.5
12/09/2019	2.39	26.8	0.5
12/26/2019	0.89	3.2	0.1
02/23/2020	0.94	3.6	0.1
03/11/2020	0.94	3.6	0.1
03/19/2020	1.49	9.3	0.2

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Spookhill FRS at McDowell Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			36									
2			32									
3			9									
4												
5												
6												
7					---							
8					---							
9			14		---							
10			32									
11			14			13						
12						15						
13												
14												
15												
16												
17												
18						8						
19						27						
20		7				12						
21		19				6						
22		18			9	4						
23		8			29							
24		5			19							
25		4	15		7							
26		1	21		7							
27			12		6							
28												
29		28										
30		37			---						1	
31		---			---		---		---		1	---
TOTAL	0	128	185	0	76	85	0	0	0	0	2	0
MEAN	0	4	6	0	3	3	0	0	0	0	0	0
MAX	0	38	38	0	29	33	0	0	0	0	3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	253	367	0	151	168	0	0	0	0	4	0

WTR YR 2020 TOTAL 475 MEAN 1 MAX 38 MIN 0 AC_FT 943

Spookhill FRS at McDowell Road, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 0 MAX 29 MIN 0

Spookhill FRS at McDowell Road, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.2	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
8	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	0.8	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.4	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.4	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	0.3	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.4	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.3	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.1	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.1	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.3	0.0	0.2	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	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	2.3	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.1	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	2.5	2.4	0.0	0.9	1.5	0.0	0.0	0.0	0.0	0.1	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 2020 MEAN 0.05 MAX 2.46 MIN 0.00

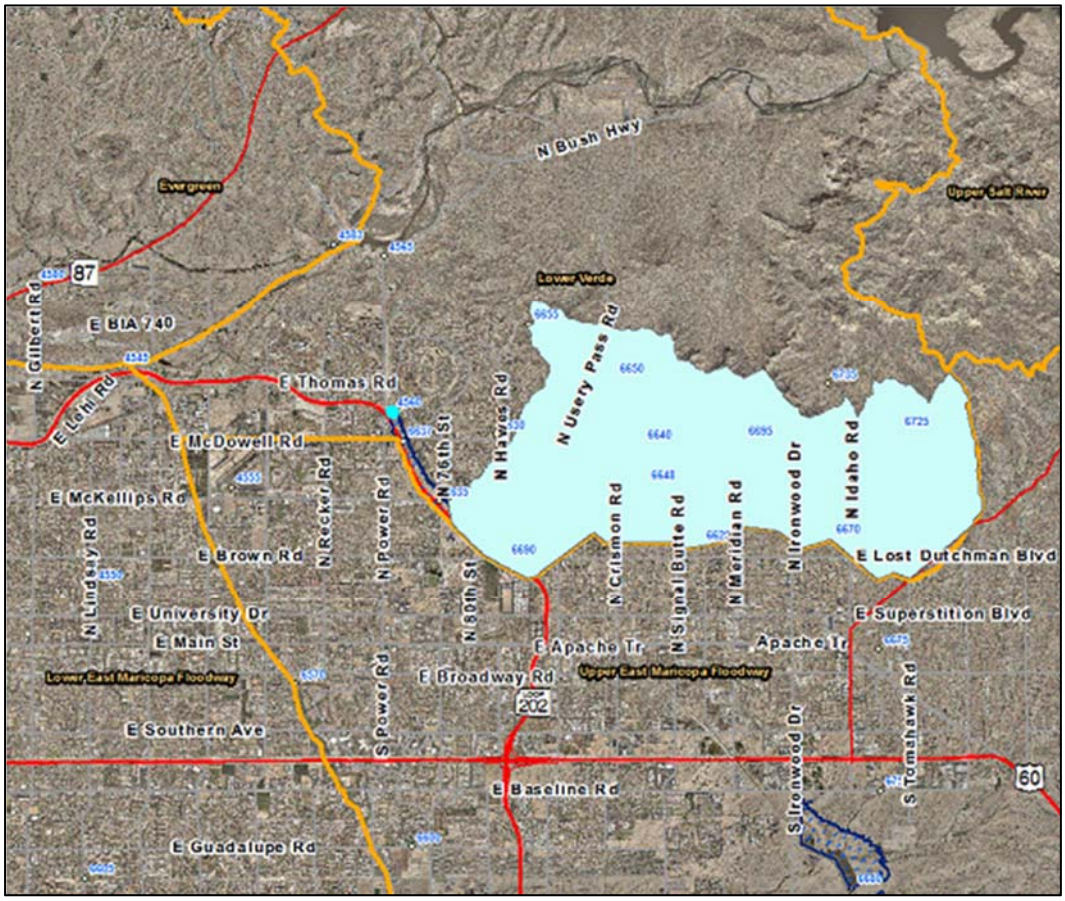
Spookhill FRS at McKellips Road, ID #79807

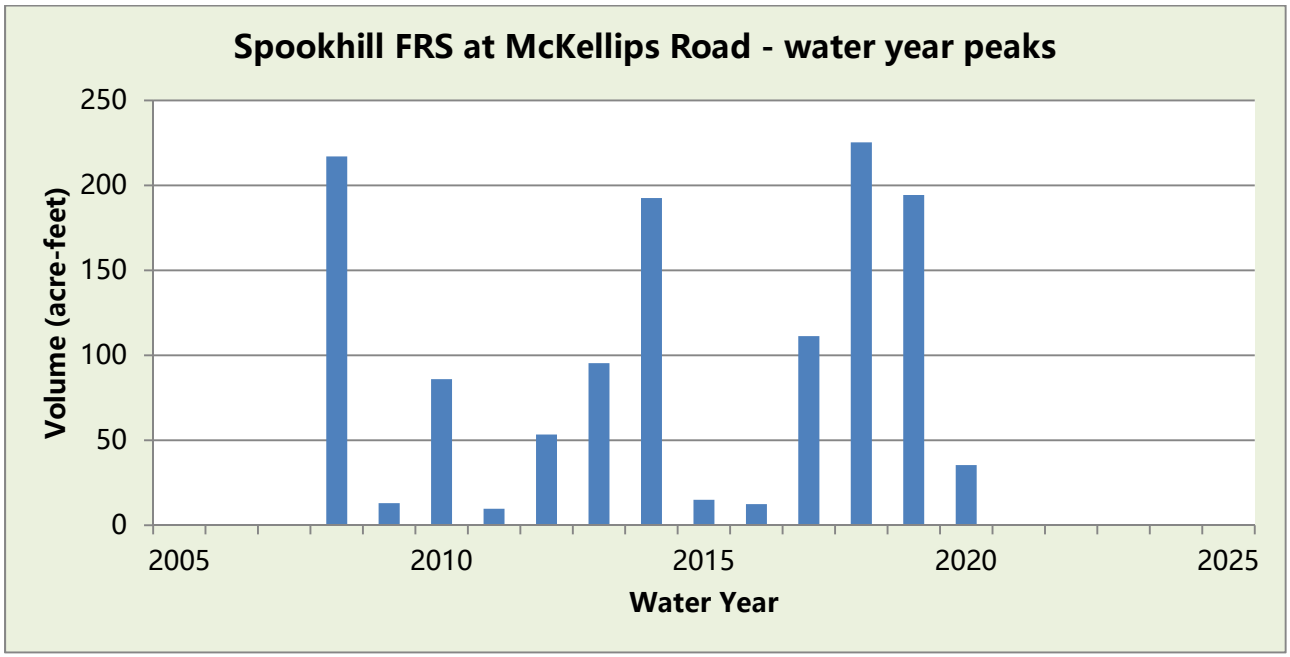


Site Data

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	12.28 Years | 4,487 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

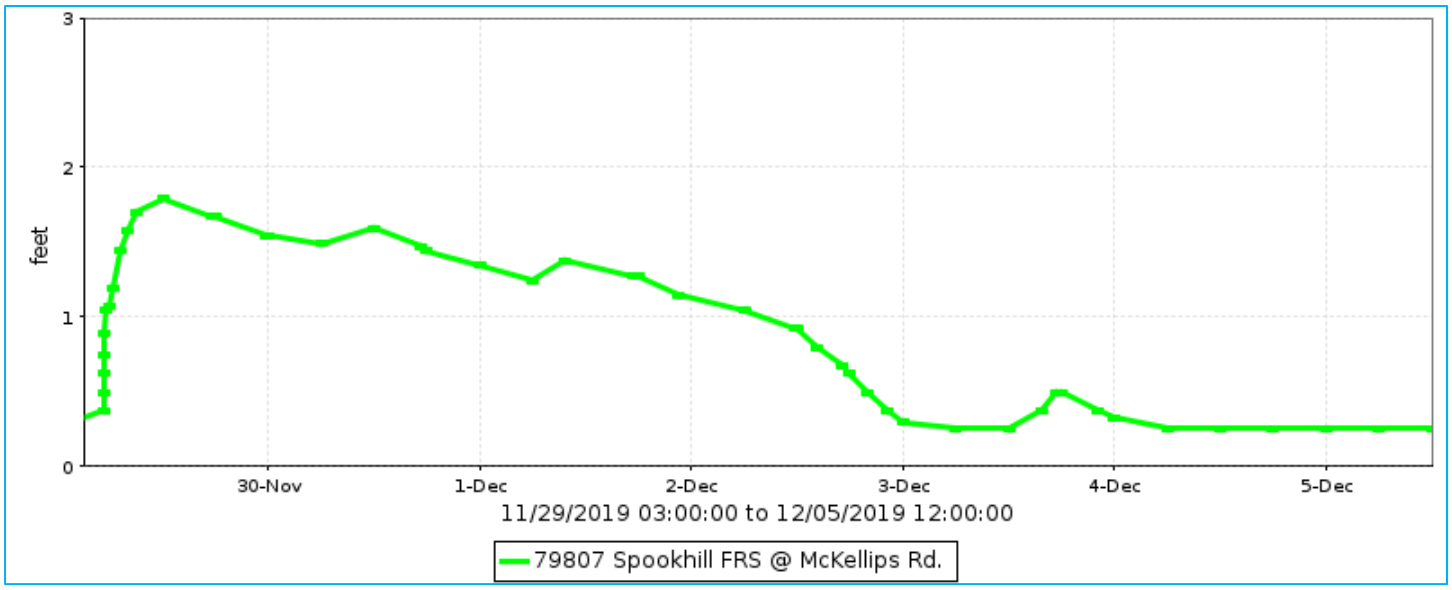




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/21/2019	0.67	10.7	0.2
11/29/2019	1.79	35.4	0.7
12/09/2019	1.22	21.6	0.4
12/25/2019	0.59	7.5	0.2
02/22/2020	0.57	4.8	0.2
02/23/2020	0.59	7.5	0.2
03/11/2020	0.54	2.4	0.2
03/18/2020	1.02	17.5	0.3

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Spookhill FRS at McKellips Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			35									
2			18									
3			1									
4										---		
5												
6												
7					---							
8					---							
9			9		---							
10			20									
11						1						
12												
13												
14												
15												
16												
17												
18						5						
19						5						
20		1										
21		4										
22		1										
23					1							
24												
25			3									
26			1									
27			3									
28												
29		29									1	
30		38			---							
31		---	1		---		---		---			---
TOTAL	0	73	90	0	1	11	0	0	0	0	1	0
MEAN	0	2	3	0	0	0	0	0	0	0	0	0
MAX	0	40	37	0	7	23	0	0	0	0	10	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	145	178	0	2	21	0	0	0	1	1	0

WTR YR 2020 TOTAL 175 MEAN 0 MAX 40 MIN 0 AC_FT 348

Spookhill FRS at McKellips Road, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 0 MAX 35 MIN 0

Spookhill FRS at McKellips Road, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	1.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
4	0.2	0.2	0.3	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
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	0.5	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.3	0.9	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	0.3	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	0.3	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.3	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	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.3	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	0.0	0.2	0.2	0.2	0.0	0.2	0.2
25	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	1.3	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.3	0.2
30	0.2	1.5	0.3	0.2	---	0.2	0.2	0.2	0.2	0.2	0.3	0.2
31	0.2	---	0.3	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2
MAX	0.2	1.8	1.4	0.2	0.6	1.0	0.2	0.2	0.2	0.3	0.7	0.2
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 2020 MEAN 0.27 MAX 1.79 MIN 0.25

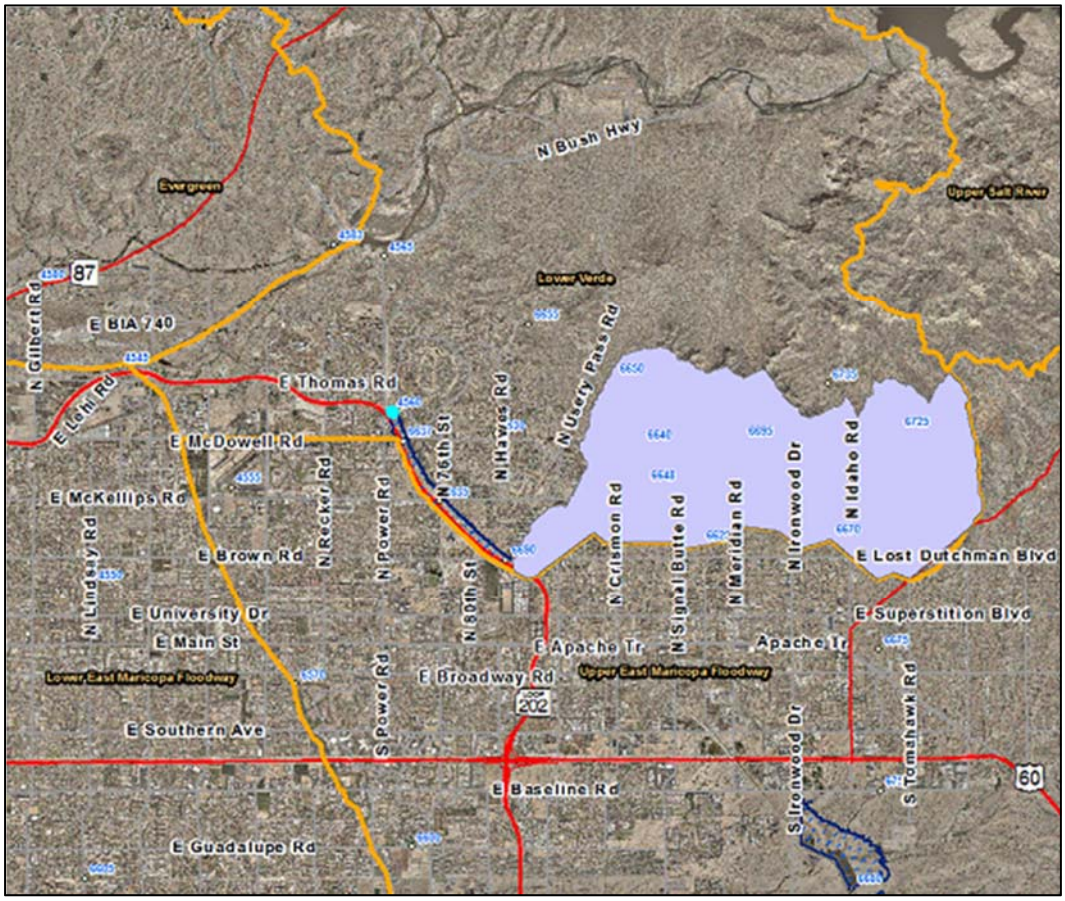
Spookhill FRS at Brown Road, ID #81507

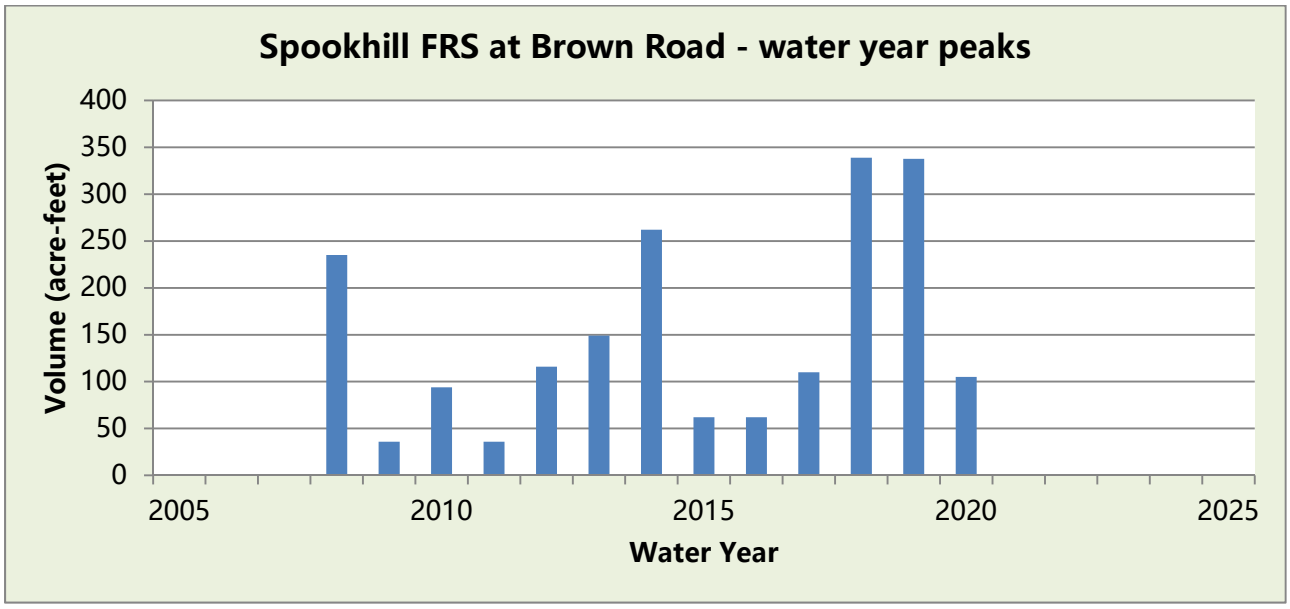


Site Data

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	12.33 Years | 4,502 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

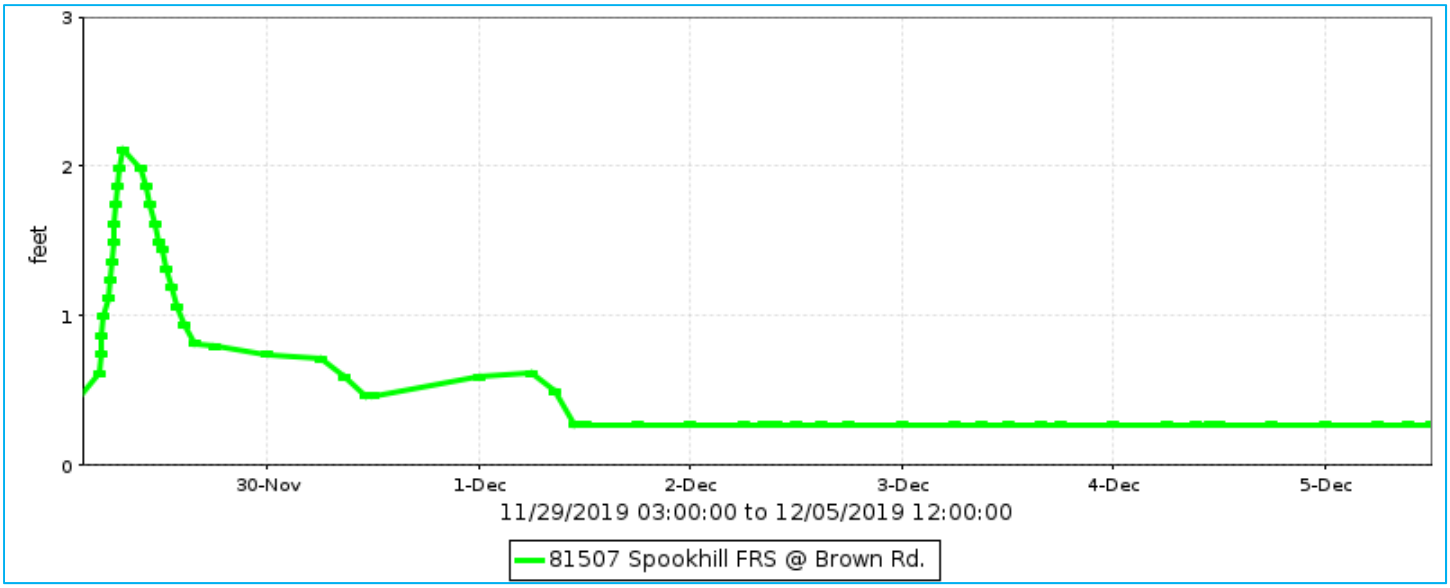




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	2.11	105.1	3.1
12/25/2019	0.94	54.5	1.4
03/13/2020	0.74	48.0	1.1
03/18/2020	0.96	55.1	1.5

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Spookhill FRS at Brown Road, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			19									
2												
3												
4												
5												
6											1	
7					---							
8					---							
9					---							
10												
11												
12												
13						14						
14												
15												
16												
17												
18						28						
19						43						
20						41						
21						22						
22												
23												
24												
25			26									
26												
27												
28												
29		35										
30		42			---							
31		---			---		---		---			---
TOTAL	0	77	45	0	0	148	0	0	0	0	1	0
MEAN	0	3	1	0	0	5	0	0	0	0	0	0
MAX	0	47	44	0	0	44	0	0	0	0	3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	153	89	0	0	293	0	0	0	0	1	0

WTR YR 2020 TOTAL 271 MEAN 1 MAX 47 MIN 0 AC_FT 537

Spookhill FRS at Brown Road, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			19									
2												
3												
4												
5												
6												
7					---							
8					---							
9					---							
10												
11												
12												
13						15						
14												
15												
16												
17												
18						31						
19						46						
20						38						
21						20						
22												
23												
24												
25			29									
26												
27												
28												
29		52										
30		42			---							
31		---			---		---		---			---
MEAN	0	3	2	0	0	5	0	0	0	0	0	0
MAX	0	105	55	0	0	55	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 1 MAX 105 MIN 0

Spookhill FRS at Brown Road, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.4	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
8	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
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	0.4	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	0.6	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.4	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	0.6	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	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.6	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	2.1	0.9	0.3	0.3	1.0	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 2020 MEAN 0.28 MAX 2.11 MIN 0.27

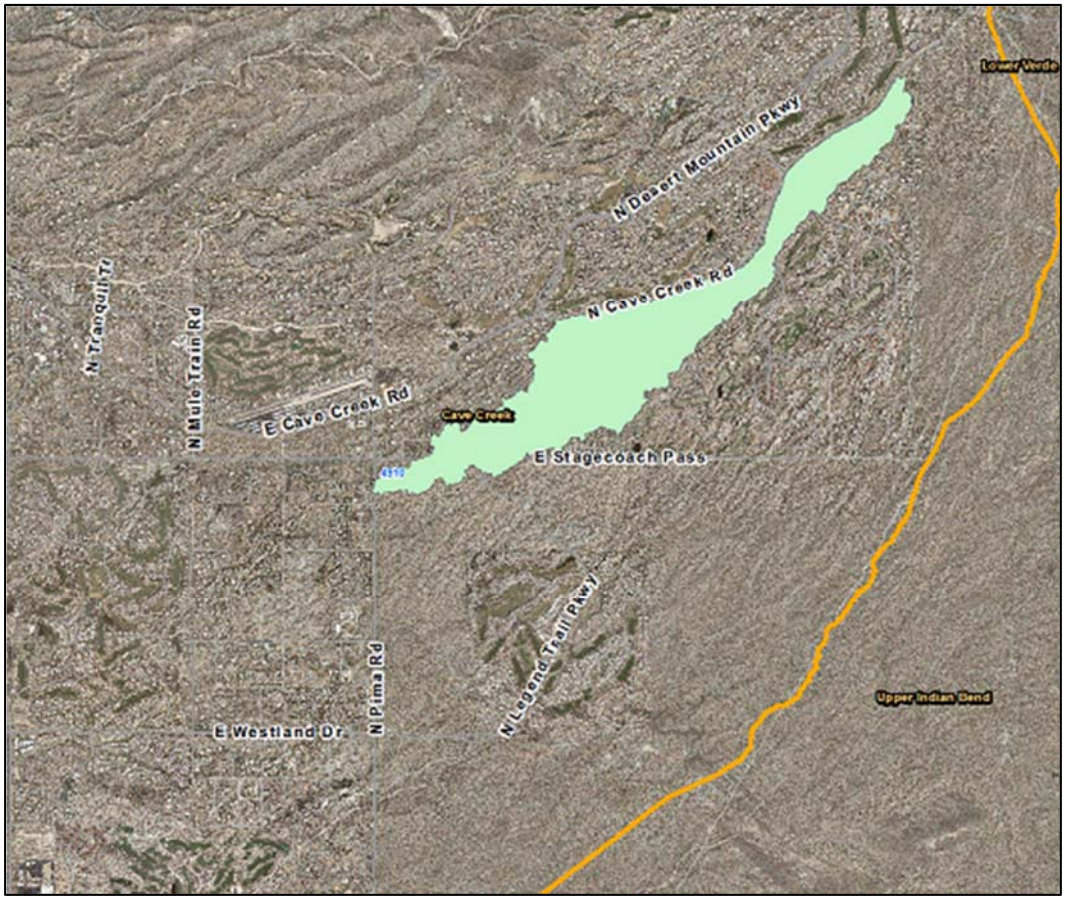
Stagecoach Wash, ID #20007

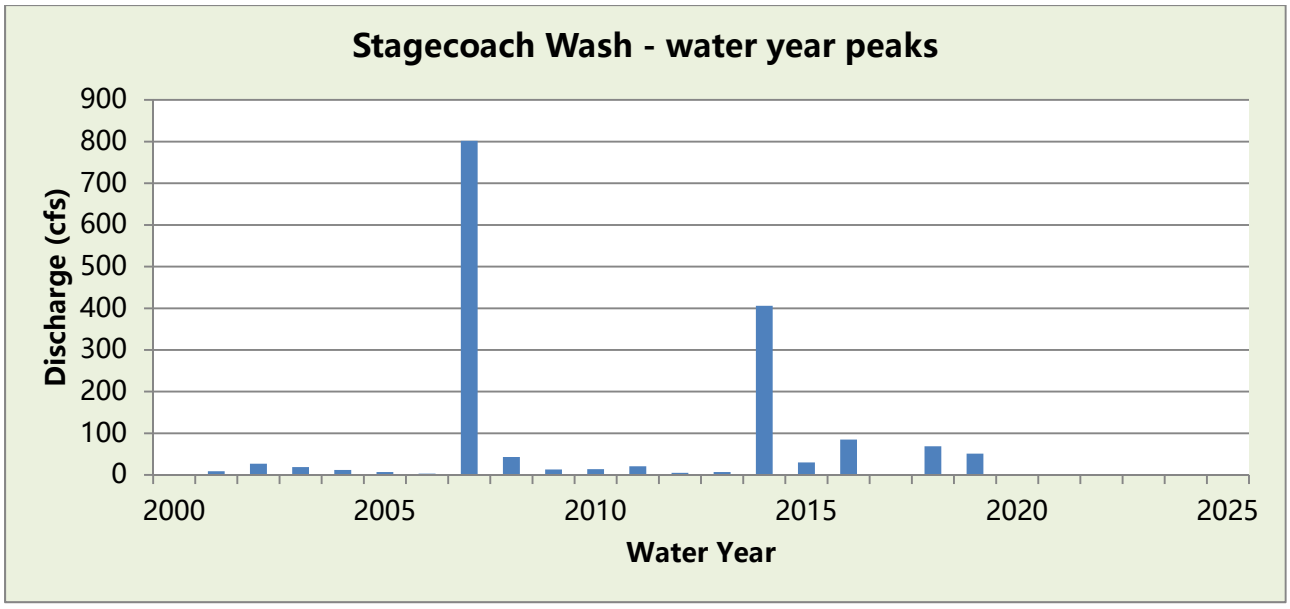


Site Data

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	19.30 Years | 7,050 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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**
14	**59**	**145**	**328**	**898**	**1,850**

Stagecoach Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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												
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18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	8	8	8	8	8	8	8	8	8	8	8	8
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	17	16	17	17	15	17	16	17	16	17	17	16

WTR YR 2020 TOTAL 99 MEAN 0 MAX 0 MIN 0 AC_FT 195

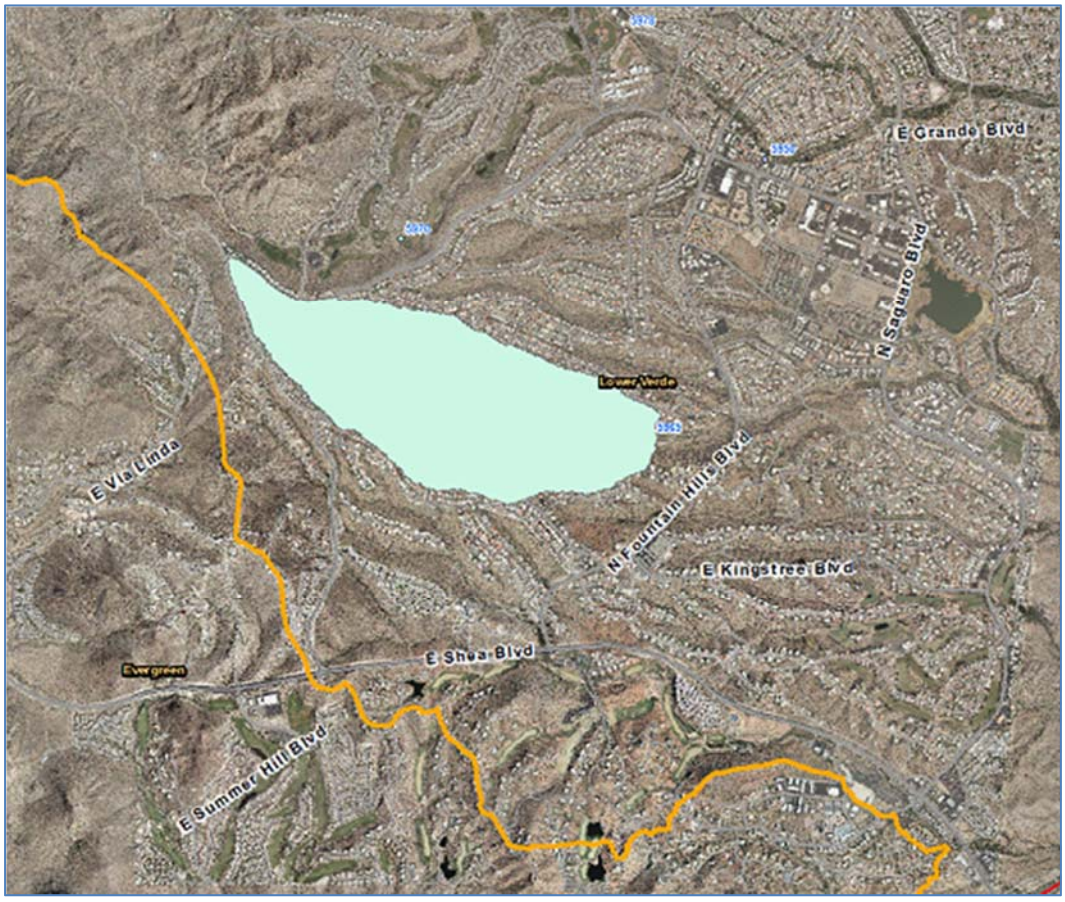
Stoneridge Dam, ID #77307

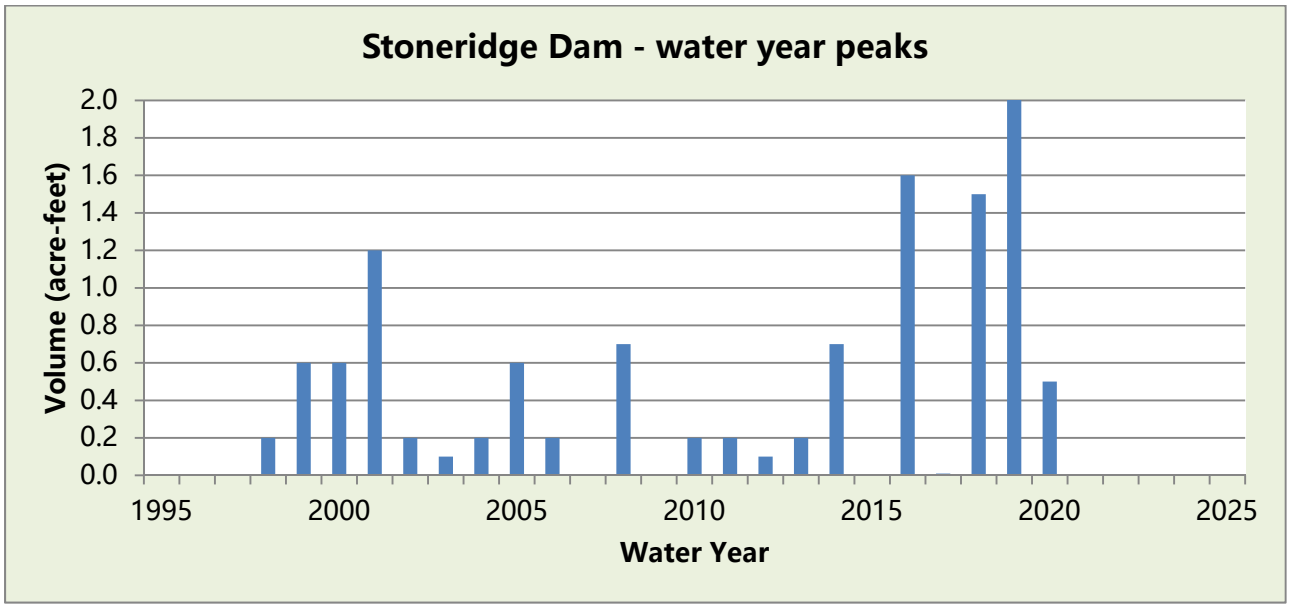


Site Data

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	23.81 Years | 8,695 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

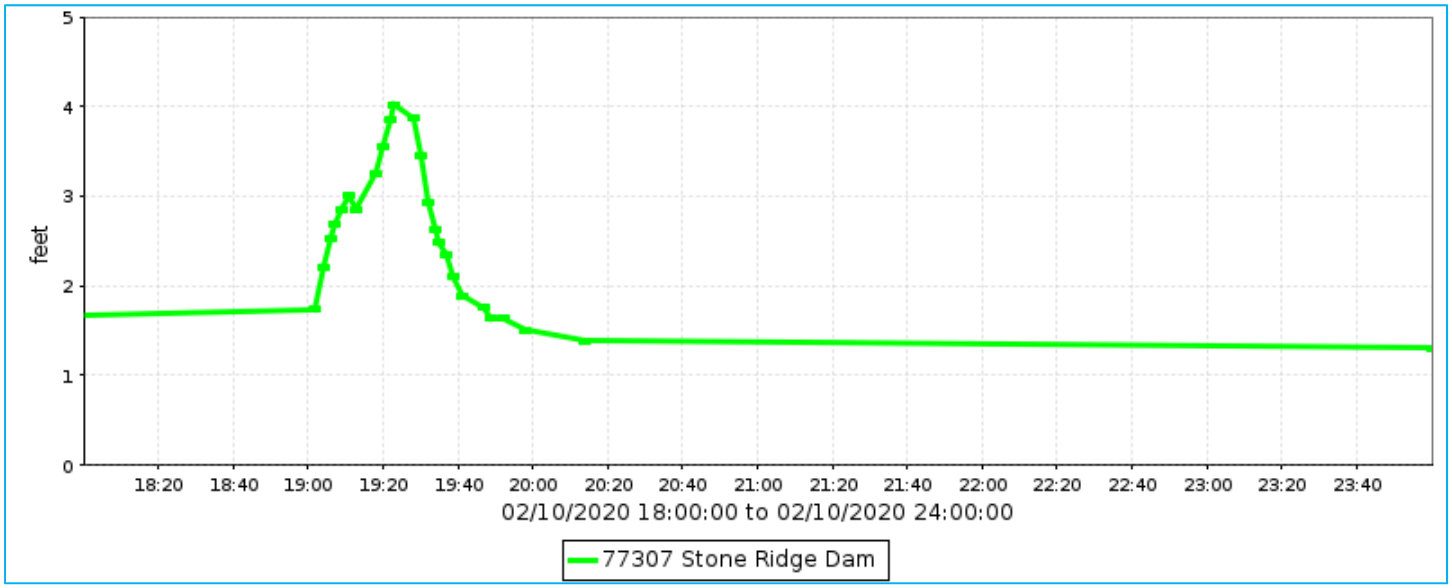




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
02/10/2020	4.02	0.5	0.9

Hydrograph of peak WY 2020 impoundment event, 02/10/2020



Stoneridge Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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					4							
11												
12												
13												
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19												
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22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	2	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	36	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	4	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 2 MEAN 0 MAX 36 MIN 0 AC_FT 4

Stoneridge Dam, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

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					---							
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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	0	0	0	0	1	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 1 MIN 0

Stoneridge Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	1.3	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
8	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
10	1.3	1.3	1.3	1.3	1.4	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	1.3
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	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	1.3	1.3	1.3	1.3	4.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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 2020 MEAN 1.30 MAX 4.02 MIN 1.30

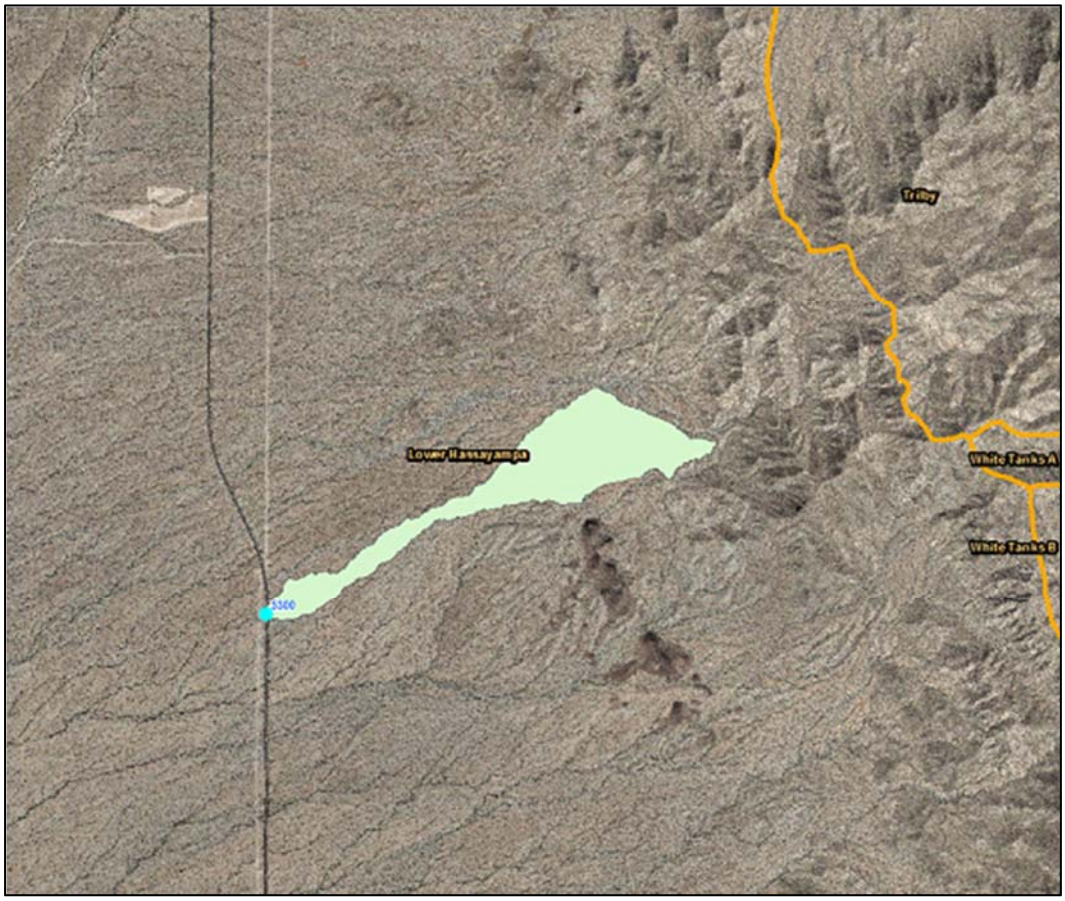
Sun Valley Parkway at Northern Avenue, ID #48307

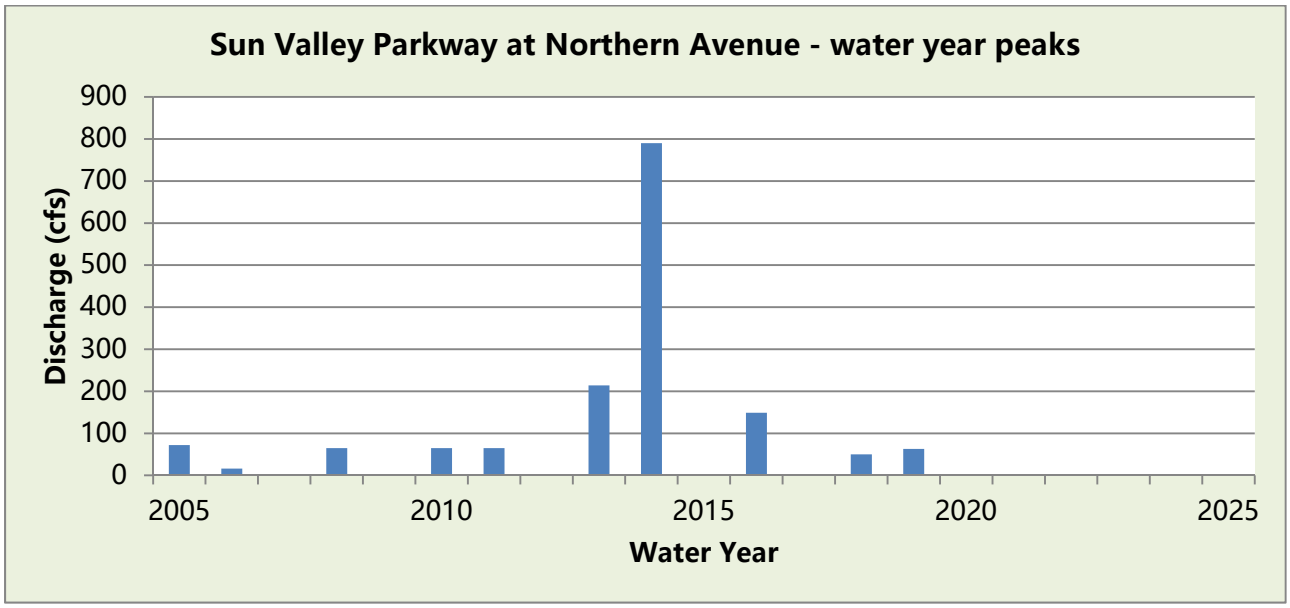


Site Data

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	15.16 Years | 5,539 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

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		---			---		---		---			---
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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Sunnycove FRS, ID #46507

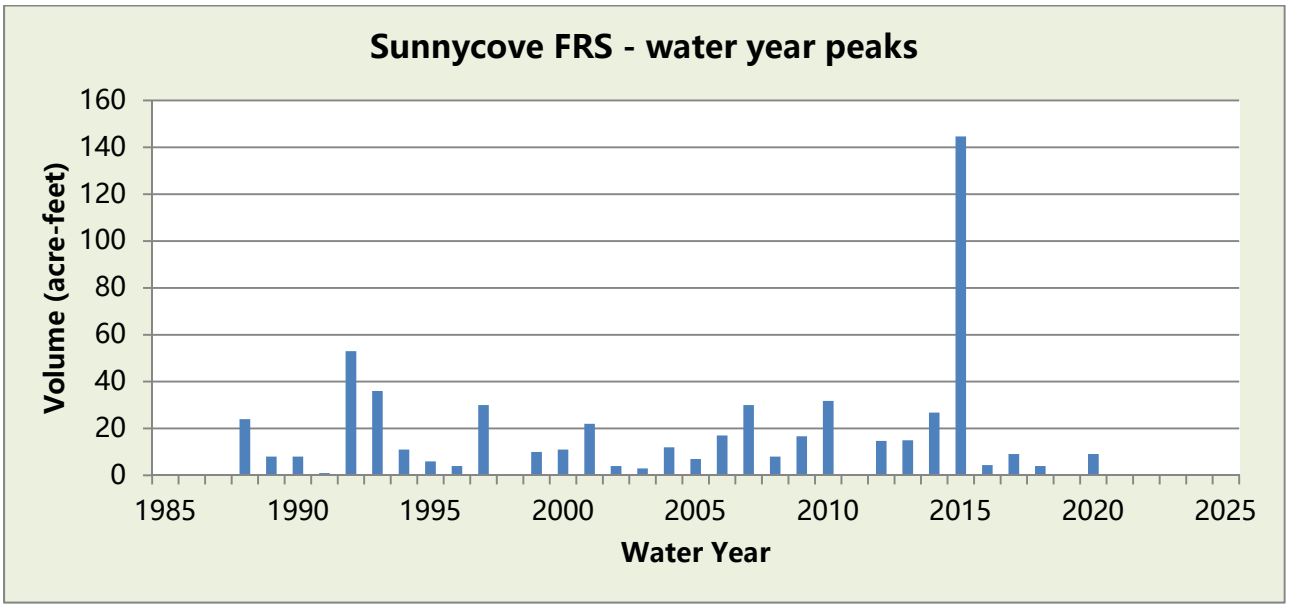


Site Data

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	31.79 Years | 11,612 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

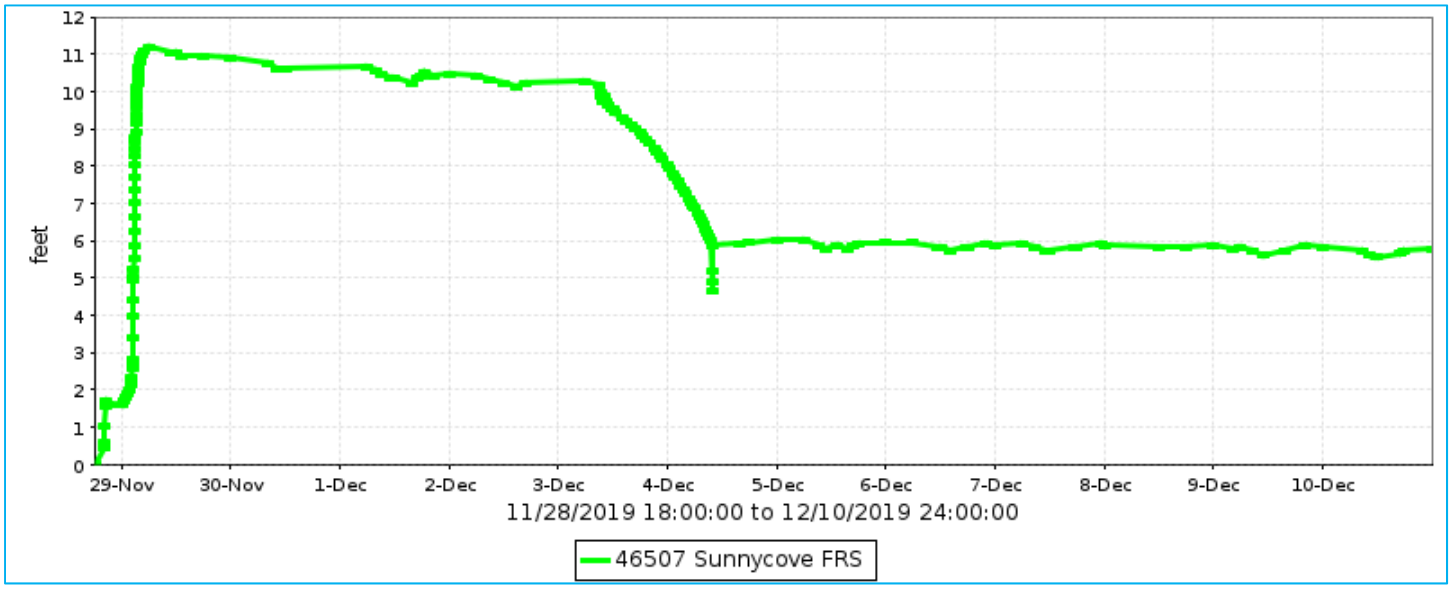




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	2.01	0.2	0.1
11/29/2019	11.19	9.1	4.4
03/14/2020	3.57	0.7	0.3

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Sunnycove FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		---			---		---		---			---
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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Sunnycove FRS, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 0 MAX 9 MIN 0

Sunnycove FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	10.5	4.6	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	10.3	4.5	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	9.5	4.4	2.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	6.4	4.4	2.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	5.9	4.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	5.9	4.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	5.8	4.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	5.8	4.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	5.8	4.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	5.7	4.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	5.7	4.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	5.6	4.0	2.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0
13	---	0.0	5.5	3.9	2.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	5.5	3.9	2.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	5.4	3.8	2.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	5.4	3.8	2.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	5.3	3.7	2.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	5.3	3.7	2.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	5.2	3.6	2.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	1.6	5.1	3.6	2.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	1.9	5.1	3.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.6	5.0	3.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	4.9	3.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	4.9	3.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	4.9	3.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	4.9	3.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	4.8	3.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.2	4.8	3.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	9.9	4.7	3.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	10.7	4.7	3.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	4.6	2.9	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.8	5.8	3.8	2.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	11.2	10.7	4.6	3.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	4.5	2.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 2020 MEAN 1.14 MAX 11.19 MIN 0.00

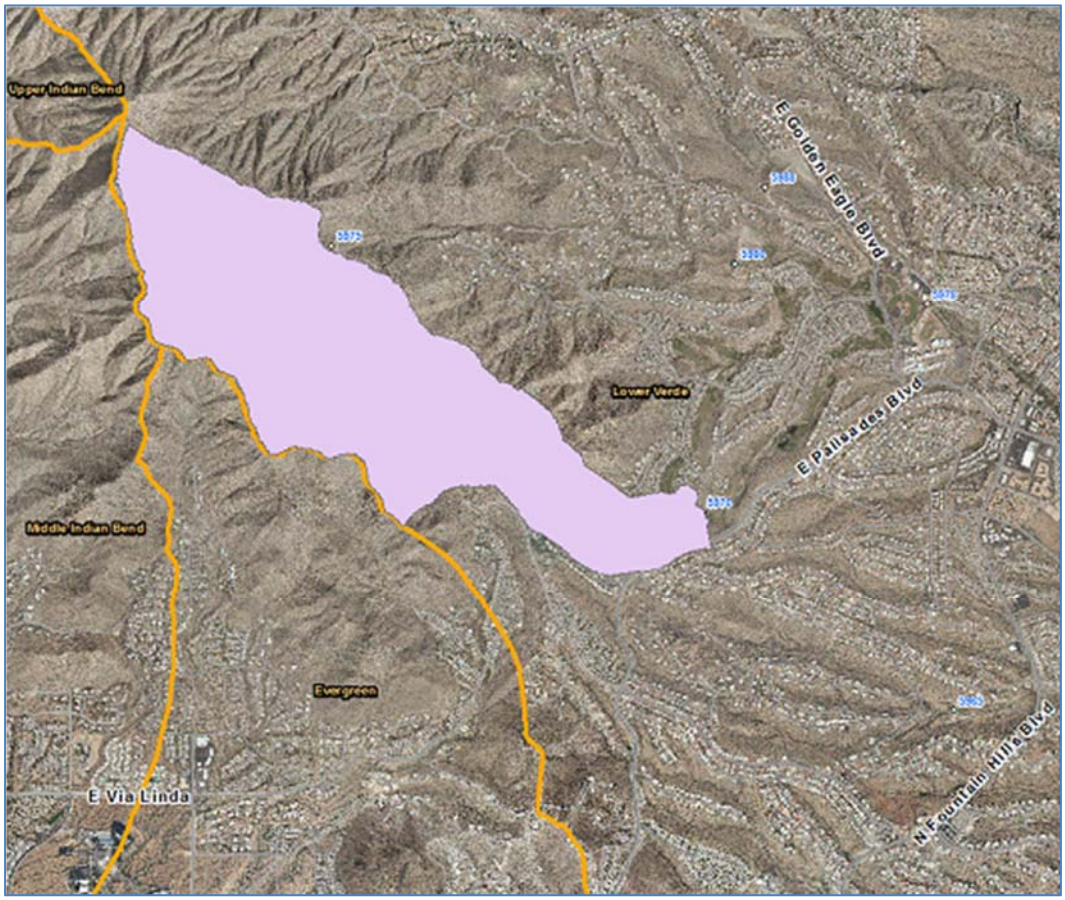
Sunridge Canyon Dam, ID #77507

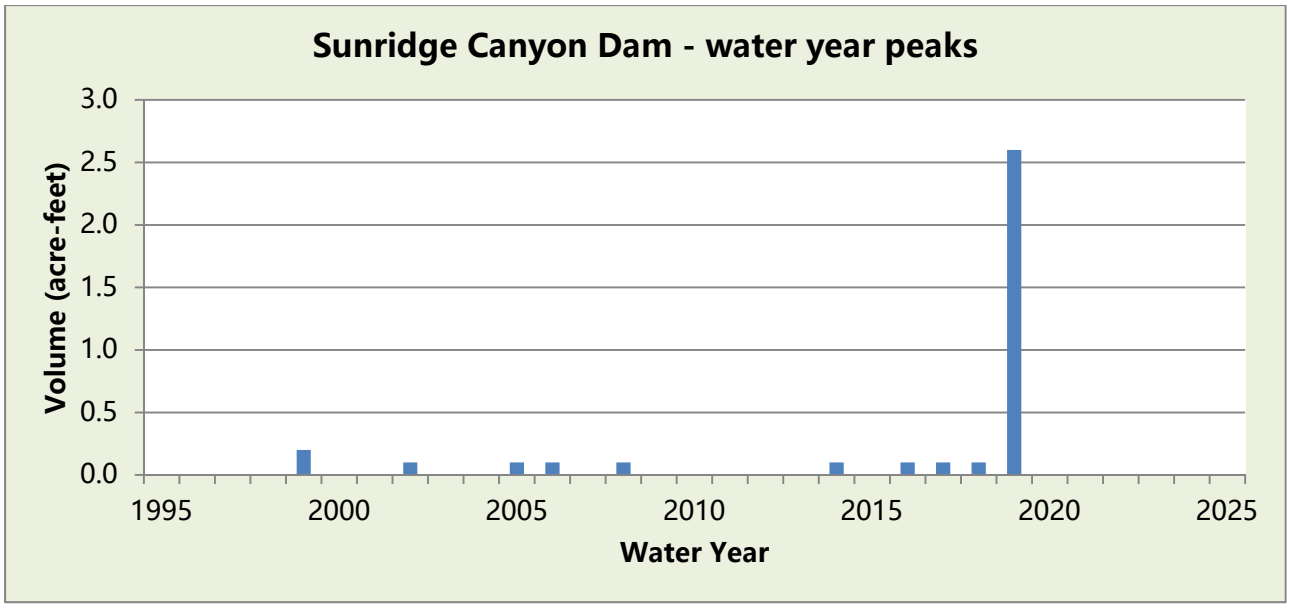


Site Data

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	23.66 Years | 8,640 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

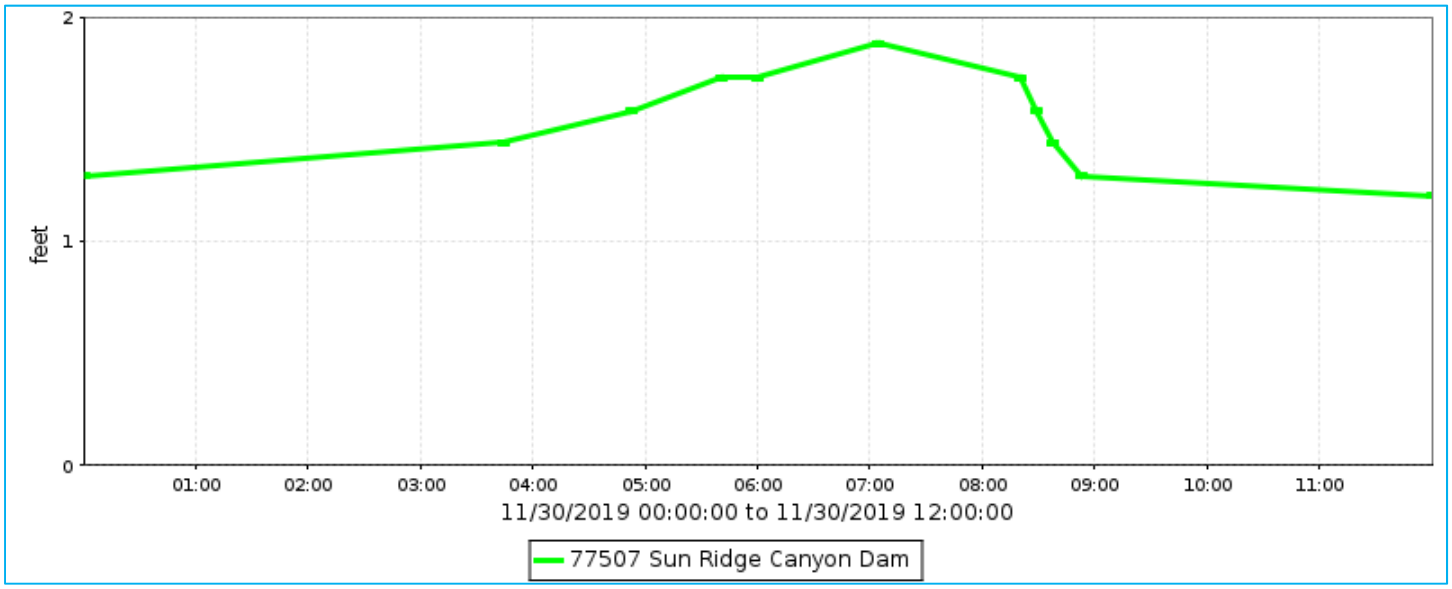




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	1.53	0.0	0.0
11/30/2019	1.88	0.0	0.0

Hydrograph of peak WY 2020 impoundment event, 11/30/2019



Sunridge Canyon Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		2										
30		5			---							
31		---			---		---		---			---
TOTAL	0	7	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	27	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	14	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 7 MEAN 0 MAX 27 MIN 0 AC_FT 14

Sunridge Canyon Dam, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

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	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 2020 MEAN 0 MAX 0 MIN 0

Sunridge Canyon Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	1.2	---	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	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	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	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
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	1.2
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	1.2
30	1.2	1.3	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	1.2	1.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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 2020 MEAN 1.20 MAX 1.88 MIN 1.20

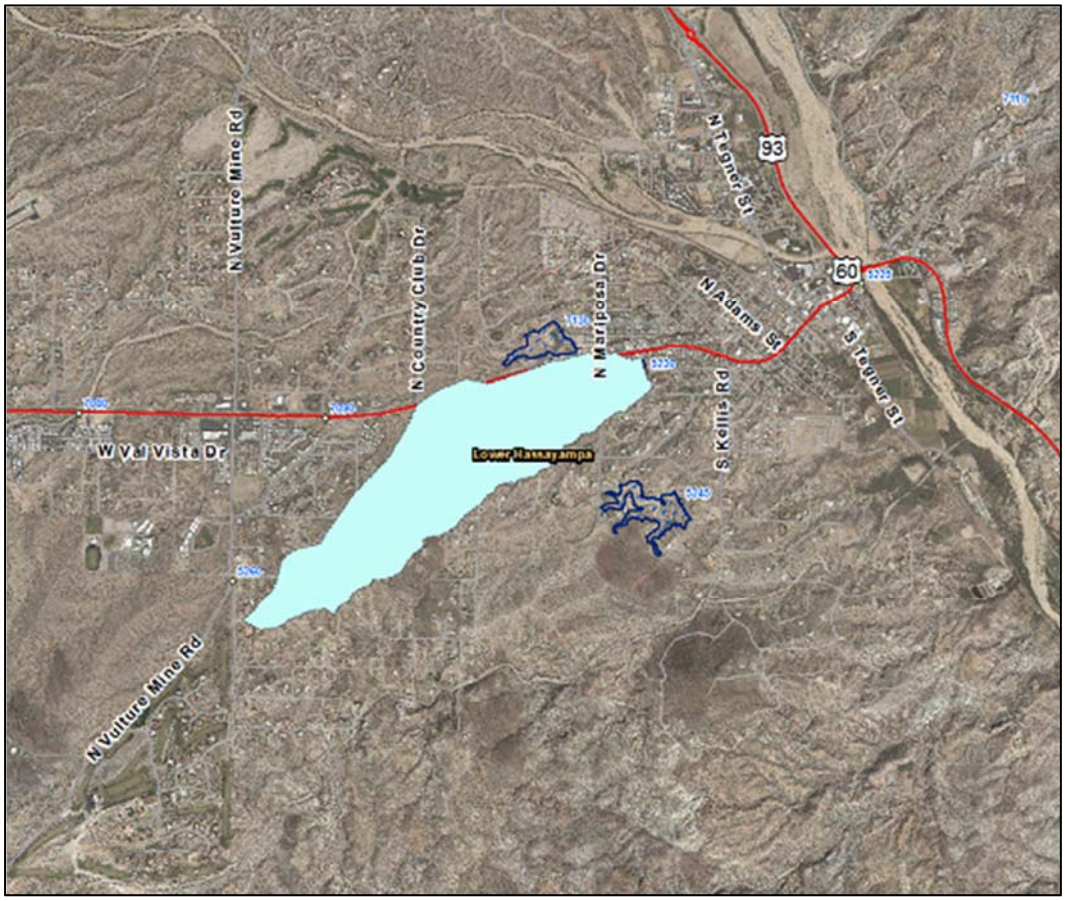
Sunset FRS, ID #46007

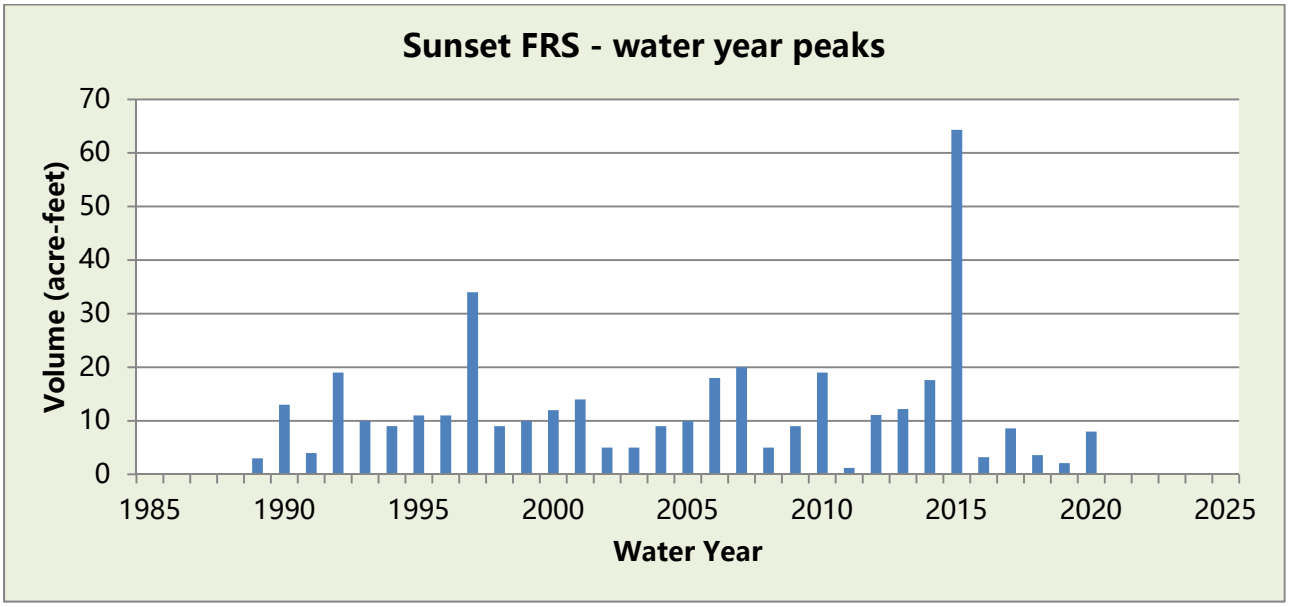


Site Data

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	31.63 Years | 11,554 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

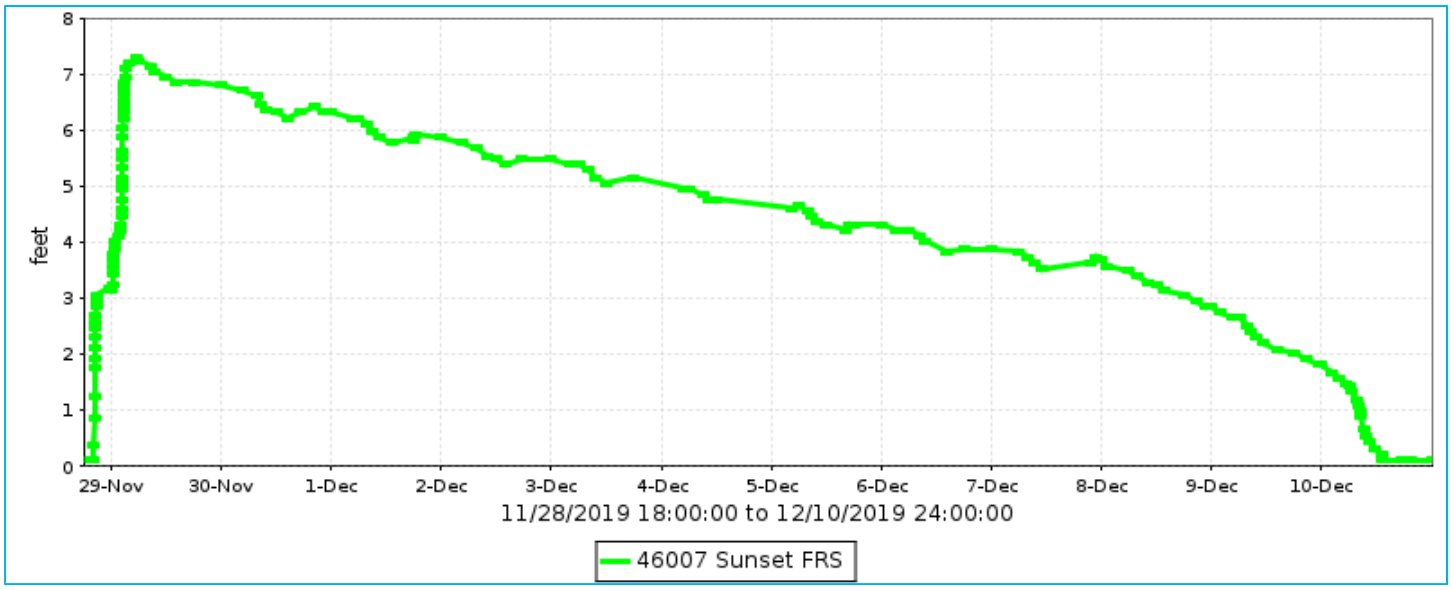




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	4.06	1.1	1.4
11/29/2019	7.29	8.0	10.3
12/24/2019	1.23	0.0	0.0
02/11/2020	4.06	1.1	1.4
02/22/2020	3.57	0.8	0.9
03/13/2020	5.09	2.7	3.6
03/18/2020	4.06	1.1	1.4
08/30/2020	3.68	0.8	1.0

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Sunset FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Sunset FRS, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

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

WTR YR 2020 MEAN 0 MAX 8 MIN 0

Sunset FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	0.1	6.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.3
2	1.2	0.1	5.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.9
3	0.5	0.1	5.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.5
4	0.1	0.1	4.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1
5	0.1	0.1	4.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6
6	0.1	0.1	4.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
7	0.1	0.1	3.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	3.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	2.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.7	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	3.1	2.0	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	3.1	3.8	0.1	0.1	0.1	0.1	0.1	0.1
13	---	0.1	0.1	0.1	2.6	4.8	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	2.1	4.3	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	1.7	3.9	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	1.1	3.6	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.2	2.9	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	2.9	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	3.8	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	3.5	0.1	0.1	0.1	2.4	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	3.6	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	1.9	0.1	0.1	1.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.2	0.1	0.1	3.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.5	0.1	2.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.2	0.1	2.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	6.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	6.5	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	1.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	2.9	---
MEAN	0.2	0.8	1.4	0.1	0.9	1.2	0.1	0.1	0.1	0.1	0.2	0.3
MAX	1.8	7.3	6.2	0.1	4.1	5.1	0.1	0.1	0.1	0.1	3.7	2.5
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 2020 MEAN 0.47 MAX 7.29 MIN 0.10

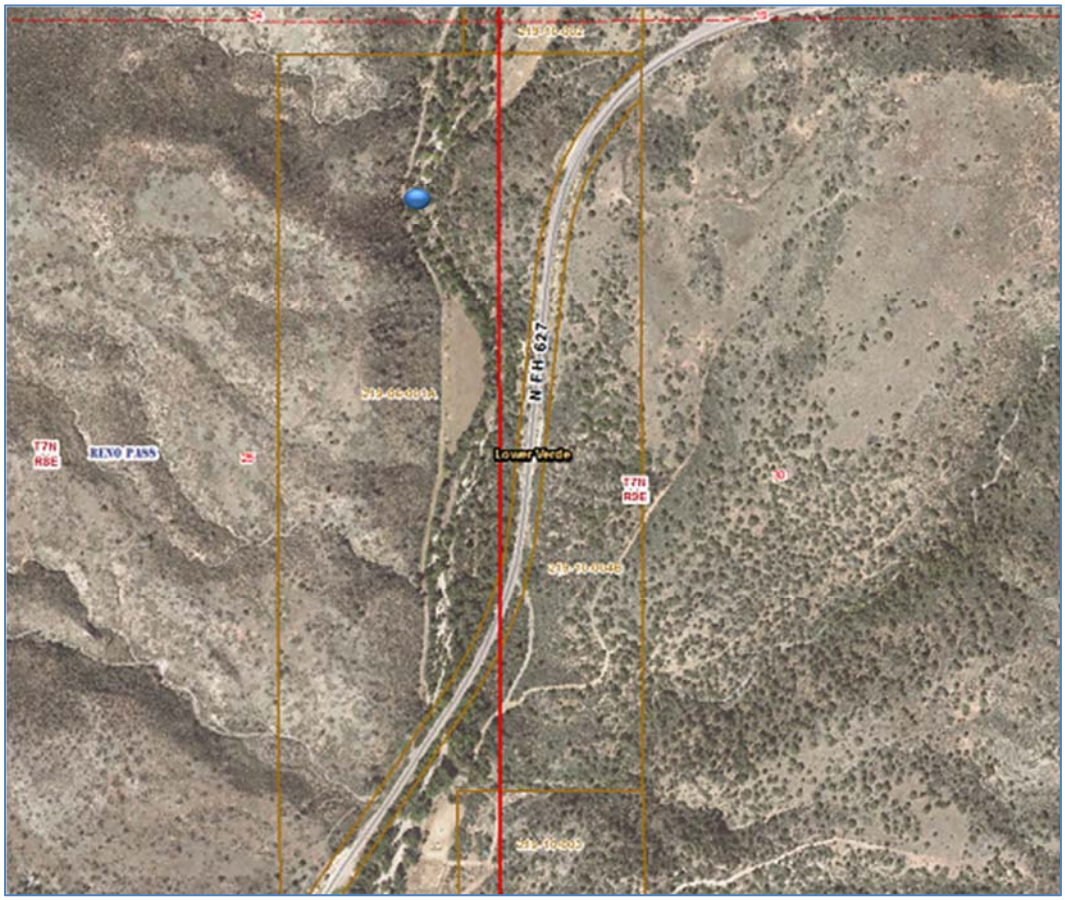
Sycamore Creek Fire, ID #81807(transducer)/81813(radar)

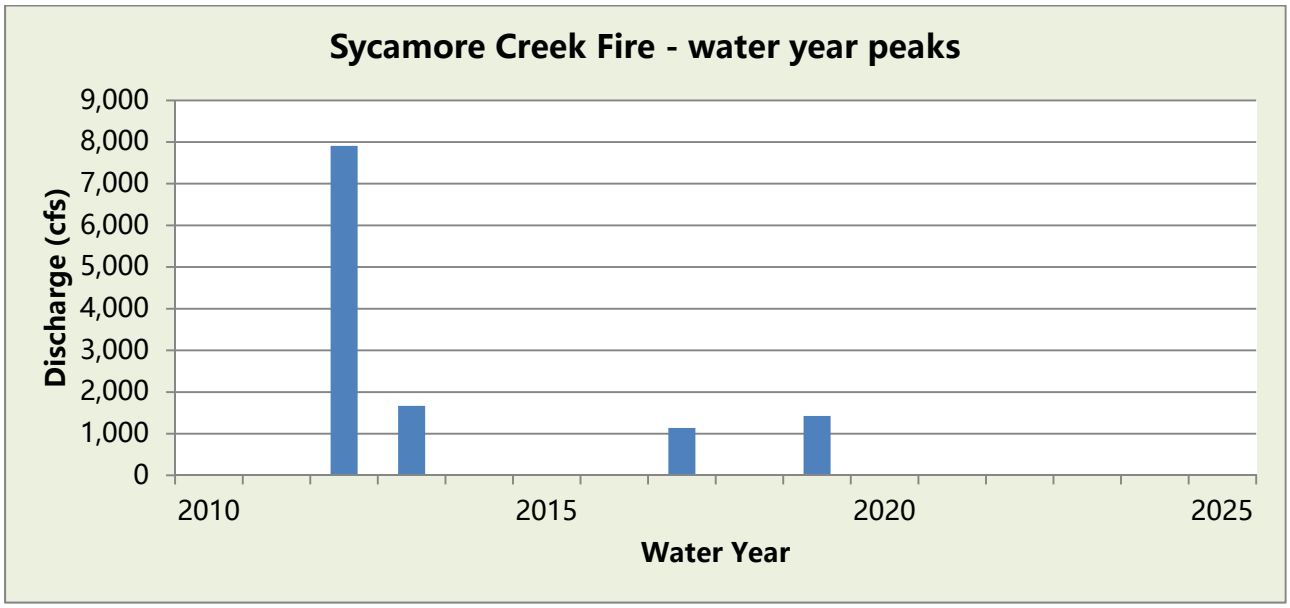


Site Data

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	8.27 Years | 3,019 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Tat Momolikot Dam, ID #773

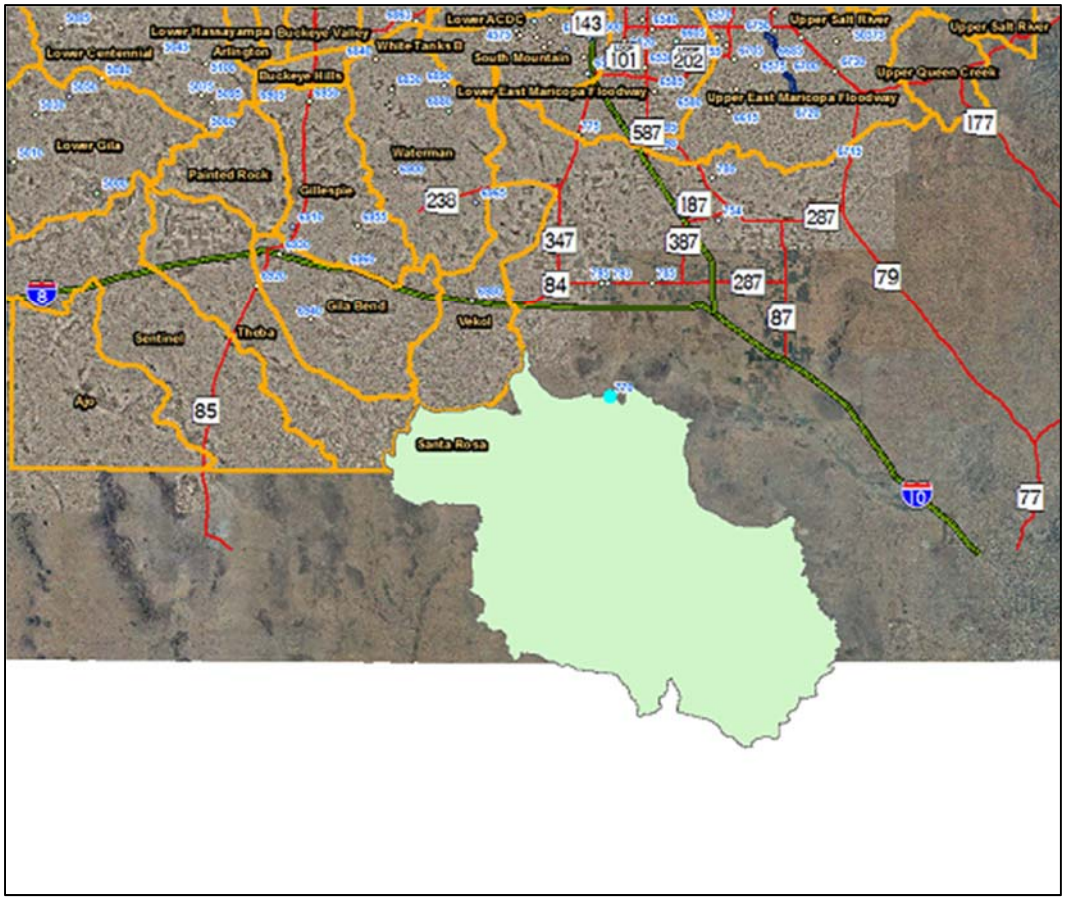


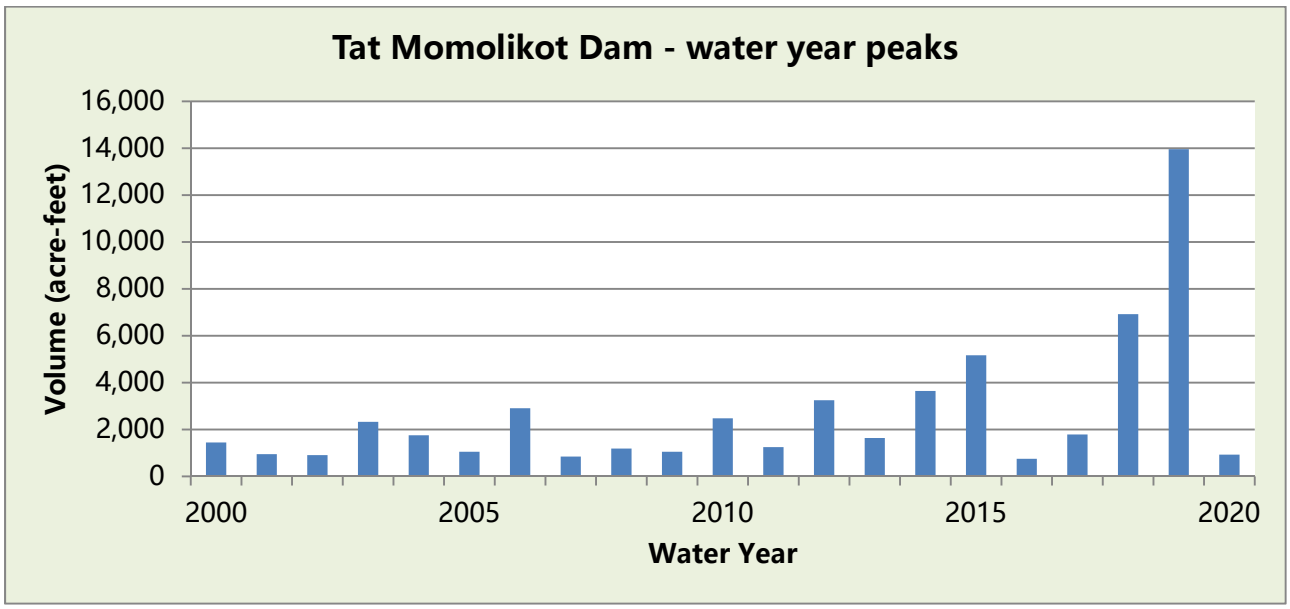
Site Data

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 – 05/09/2020
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





WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
02/10/2020	4.68	932	0.5

Hydrograph of peak WY 2020 impoundment event,

Hydrograph unavailable.

Tat Momolikot Dam, runoff data

Discharge, in cub, Water Year October 2019 to September 2020

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	---	---	---	---
MEAN	0	0	0	0	0	0	0	0	---	---	---	---
MAX	0	0	0	0	0	0	0	0	---	---	---	---
MIN	0	0	0	0	0	0	0	0	---	---	---	---
AC_FT	0	0	0	0	0	0	0	0	---	---	---	---

WTR YR 2020 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.

Station permanently removed from service on May 9, 2020.

Tat Momolikot Dam, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						853	752	529	---	---	---	---
2						847	744	510	---	---	---	---
3						842		490	---	---	---	---
4						842	736	121	---	---	---	---
5						836	734		---	---	---	---
6						823	722		---	---	---	---
7						831	719		---	---	---	---
8						820	729		---	---	---	---
9						820	719		---	---	---	---
10					505	811	710		---	---	---	---
11					918	811	712		---	---	---	---
12					918	809	699		---	---	---	---
13					916	809	697		---	---	---	---
14					907	809	697		---	---	---	---
15					907	803	694		---	---	---	---
16					896	806	691		---	---	---	---
17					896	796	684		---	---	---	---
18					896	796	678		---	---	---	---
19					885	804	664		---	---	---	---
20					883	806	668		---	---	---	---
21					875	803	668	---	---	---	---	---
22					884	798	629	---	---	---	---	---
23					885	796	629	---	---	---	---	---
24					885	787	621	---	---	---	---	---
25					875	787	598	---	---	---	---	---
26					---	787	587	---	---	---	---	---
27					864	773	574	---	---	---	---	---
28					858	763	563	---	---	---	---	---
29					853	763	552	---	---	---	---	---
30					---	763	545	---	---	---	---	---
31		---			---	752	---	---	---	---	---	---
MEAN	0	0	0	0	599	805	672	53	---	---	---	---
MAX	0	0	0	0	932	864	763	530	---	---	---	---
MIN	0	0	0	0	0	752	530	0	---	---	---	---

WTR YR 2020 MEAN 175 MAX 932 MIN 0

Tat Momolikot Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	4.3	3.9	2.8	---	---	---	---
2	0.8	0.8	0.8	0.8	0.8	4.3	3.8	2.8	---	---	---	---
3	0.8	0.8	0.8	0.8	0.8	4.3	0.0	2.7	---	---	---	---
4	0.8	0.8	0.8	0.8	0.8	4.3	3.8	2.6	---	---	---	---
5	0.8	0.8	0.8	0.8	0.8	4.2	3.8	2.6	---	---	---	---
6	0.8	0.8	0.8	0.8	0.8	4.2	3.7	2.6	---	---	---	---
7	0.8	0.8	0.8	0.8	0.8	4.2	3.7	2.6	---	---	---	---
8	0.8	0.8	0.8	0.8	0.8	4.2	3.8	2.6	---	---	---	---
9	0.8	0.8	0.8	0.8	0.8	4.2	3.7	2.6	---	---	---	---
10	0.8	0.8	0.8	0.8	3.7	4.1	3.7	2.6	---	---	---	---
11	0.8	0.8	0.8	0.8	4.6	4.1	3.7	2.6	---	---	---	---
12	0.8	0.8	0.8	0.8	4.6	4.1	3.6	2.6	---	---	---	---
13	0.8	0.8	0.8	0.8	4.6	4.1	3.6	2.6	---	---	---	---
14	0.8	0.8	0.8	0.8	4.6	4.1	3.6	2.6	---	---	---	---
15	0.8	0.8	0.8	0.8	4.6	4.1	3.6	2.6	---	---	---	---
16	0.8	0.8	0.8	0.8	4.5	4.1	3.6	2.6	---	---	---	---
17	0.8	0.8	0.8	0.8	4.5	4.1	3.6	2.6	---	---	---	---
18	0.8	0.8	0.8	0.8	4.5	4.1	3.5	2.6	---	---	---	---
19	0.8	0.8	0.8	0.8	4.5	4.1	3.5	2.6	---	---	---	---
20	0.8	0.8	0.8	0.8	4.5	4.1	3.5	2.6	---	---	---	---
21	0.8	0.8	0.8	0.8	4.4	4.1	3.5	---	---	---	---	---
22	0.8	0.8	0.8	0.8	4.5	4.1	3.3	---	---	---	---	---
23	0.8	0.8	0.8	0.8	4.5	4.1	3.3	---	---	---	---	---
24	0.8	0.8	0.8	0.8	4.5	4.0	3.3	---	---	---	---	---
25	0.8	0.8	0.8	0.8	4.4	4.0	3.2	---	---	---	---	---
26	0.8	0.8	0.8	0.8	---	4.0	3.1	---	---	---	---	---
27	0.8	0.8	0.8	0.8	4.4	4.0	3.0	---	---	---	---	---
28	0.8	0.8	0.8	0.8	4.3	3.9	3.0	---	---	---	---	---
29	0.8	0.8	0.8	0.8	4.3	3.9	3.0	---	---	---	---	---
30	0.8	0.8	0.8	0.8	---	3.9	2.9	---	---	---	---	---
31	0.8	---	0.8	0.8	---	3.9	---	---	---	---	---	---
MEAN	0.8	0.8	0.8	0.8	3.3	4.1	3.5	2.6	---	---	---	---
MAX	0.8	0.8	0.8	0.8	4.7	4.4	3.9	2.9	---	---	---	---
MIN	0.8	0.8	0.8	0.8	0.8	3.9	2.9	2.6	---	---	---	---

WTR YR 2020 MEAN 2.26 MAX 4.68 MIN 0.81

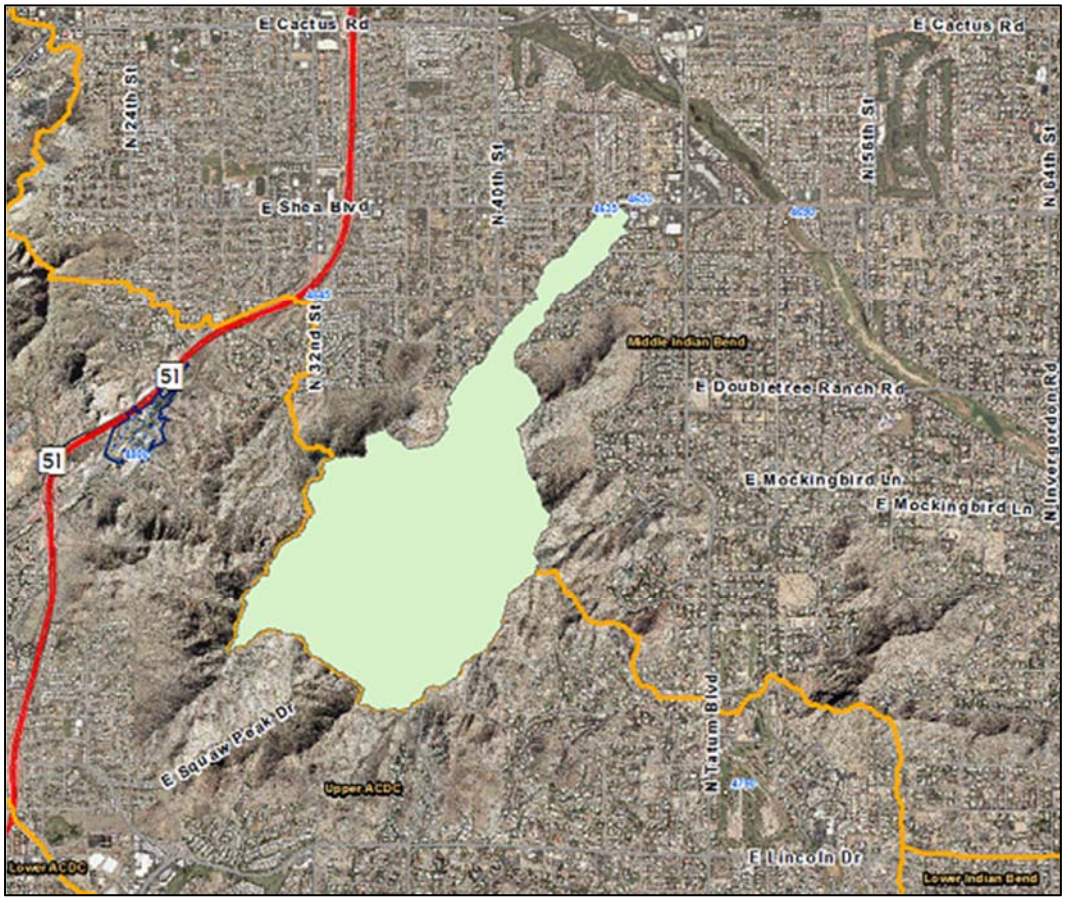
Tatum Wash Basin Inflow – ID #58007

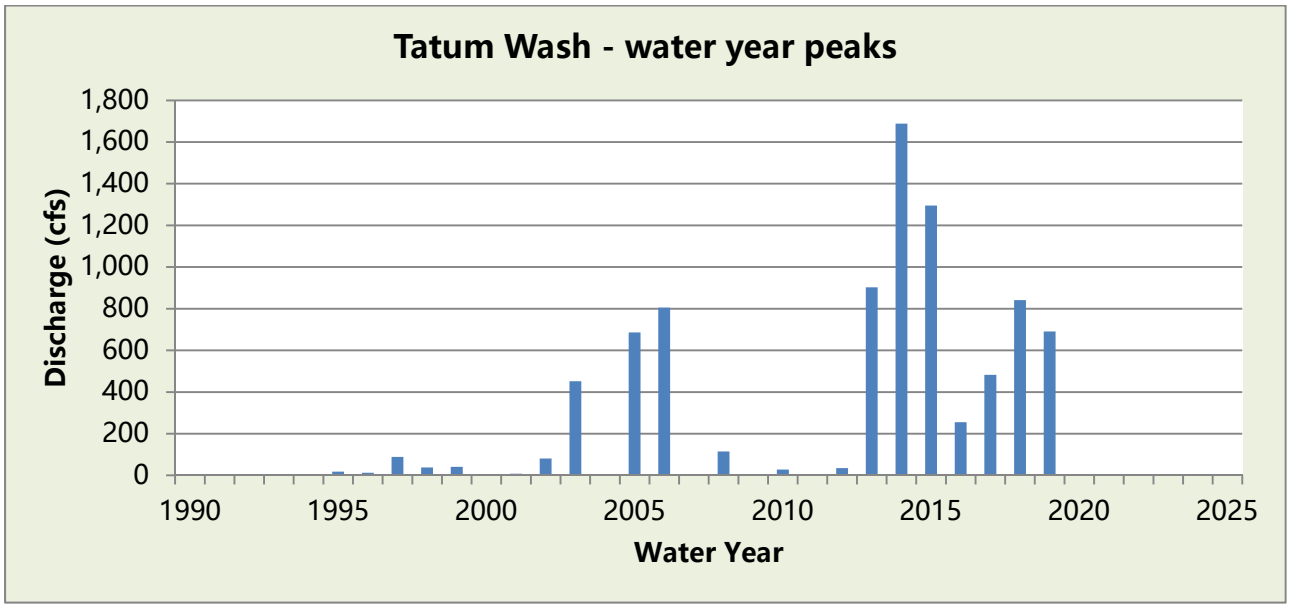


Site Data

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	26.33 Years | 9,617 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

Flood Flow Frequency

Flood Flow Frequency N=27, HEC-WRC computation (based on 27 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
67	466	1,090	2,050	3,830	5,560

Tatum Basin Inflow, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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	11	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 2020 TOTAL 0 MEAN 0 MAX 11 MIN 0 AC_FT 0

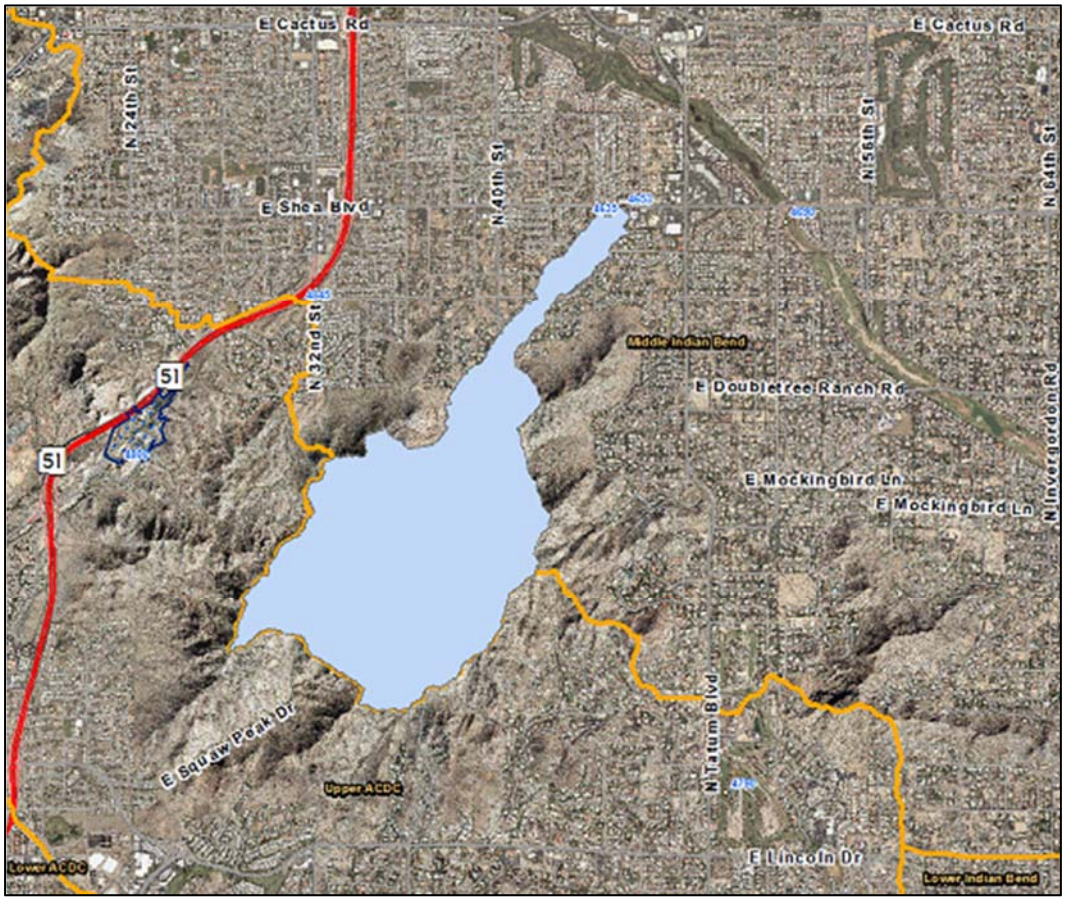
Tatum Wash Basin – ID #58507

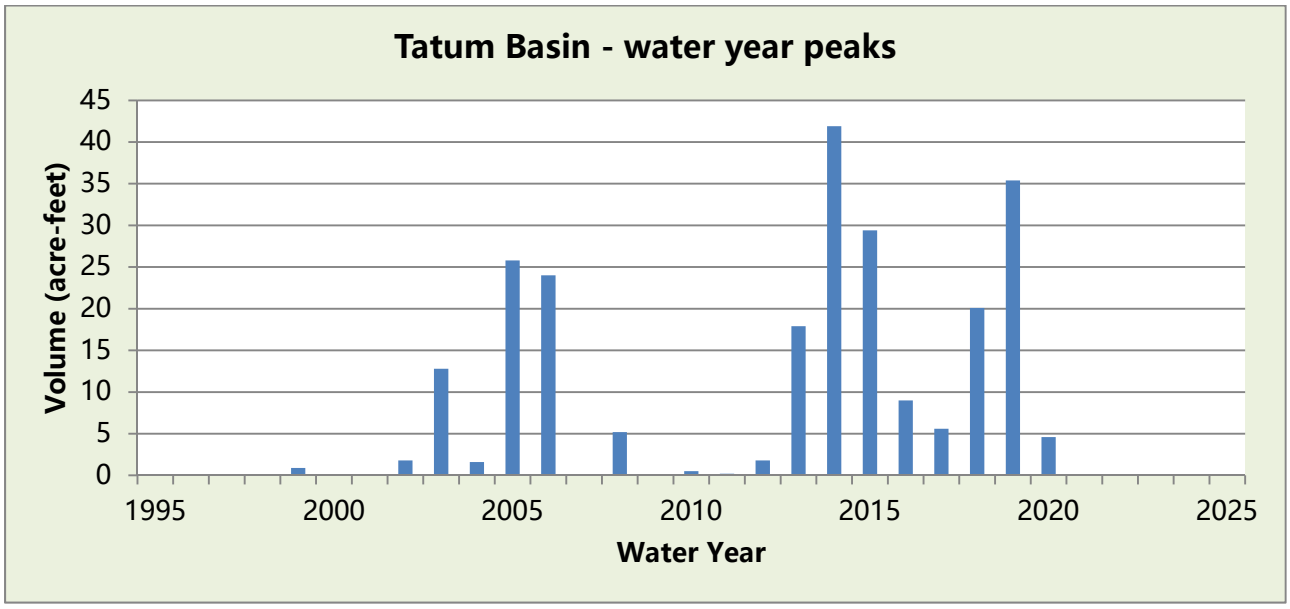


Site Data

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	22.40 Years | 8,182 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

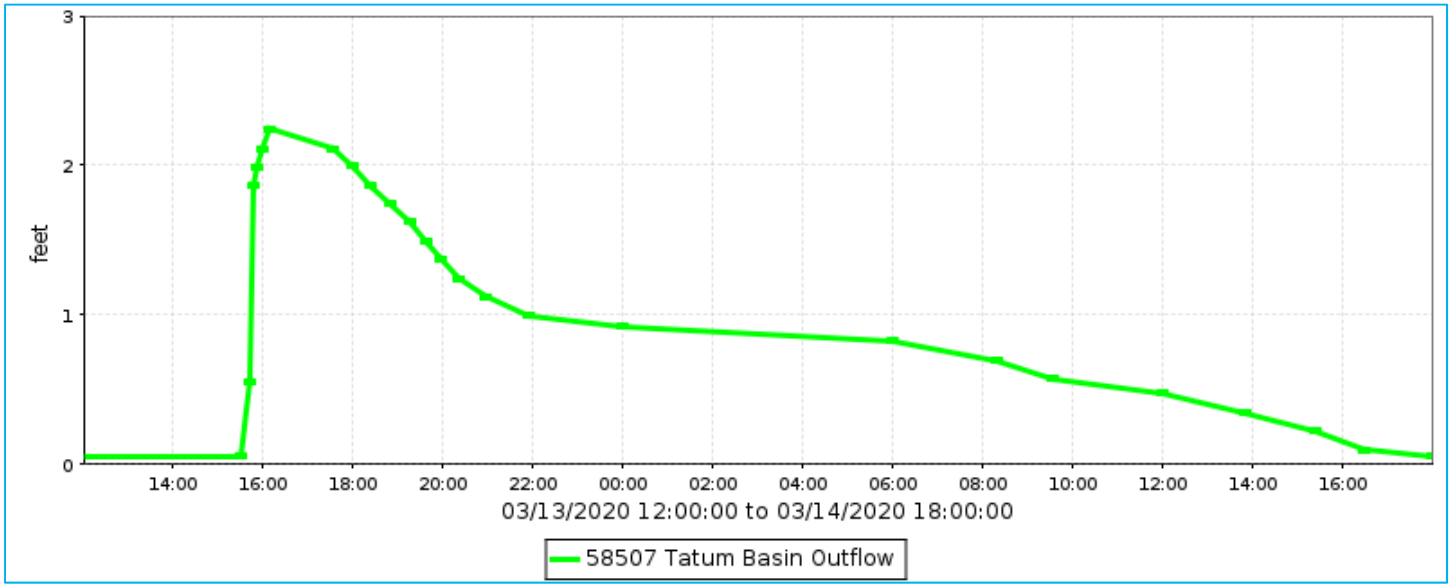




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	0.82	1.5	4.4
12/09/2019	1.12	2.1	6.3
12/24/2019	2.06	4.2	12.6
03/13/2020	2.24	4.6	14.0
03/18/2020	1.86	3.7	11.3

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Tatum Wash Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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	1	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 2020 TOTAL 0 MEAN 0 MAX 1 MIN 0 AC_FT 0

Tatum Wash Basin, volume data

Volume, in acre feet, Water Year October 2019 to September 2020

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						1						
20												
21												
22												
23												
24			1									
25			1									
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	1	4	0	0	5	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 5 MIN 0

Tatum Wash Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.1	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
8	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	0.3	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.2	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	0.6	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.5	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	0.3	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.5	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	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.5	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	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	0.1	0.8	2.1	0.1	0.1	2.2	0.1	0.1	0.1	0.1	0.1	0.2
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 2020 MEAN 0.06 MAX 2.24 MIN 0.05

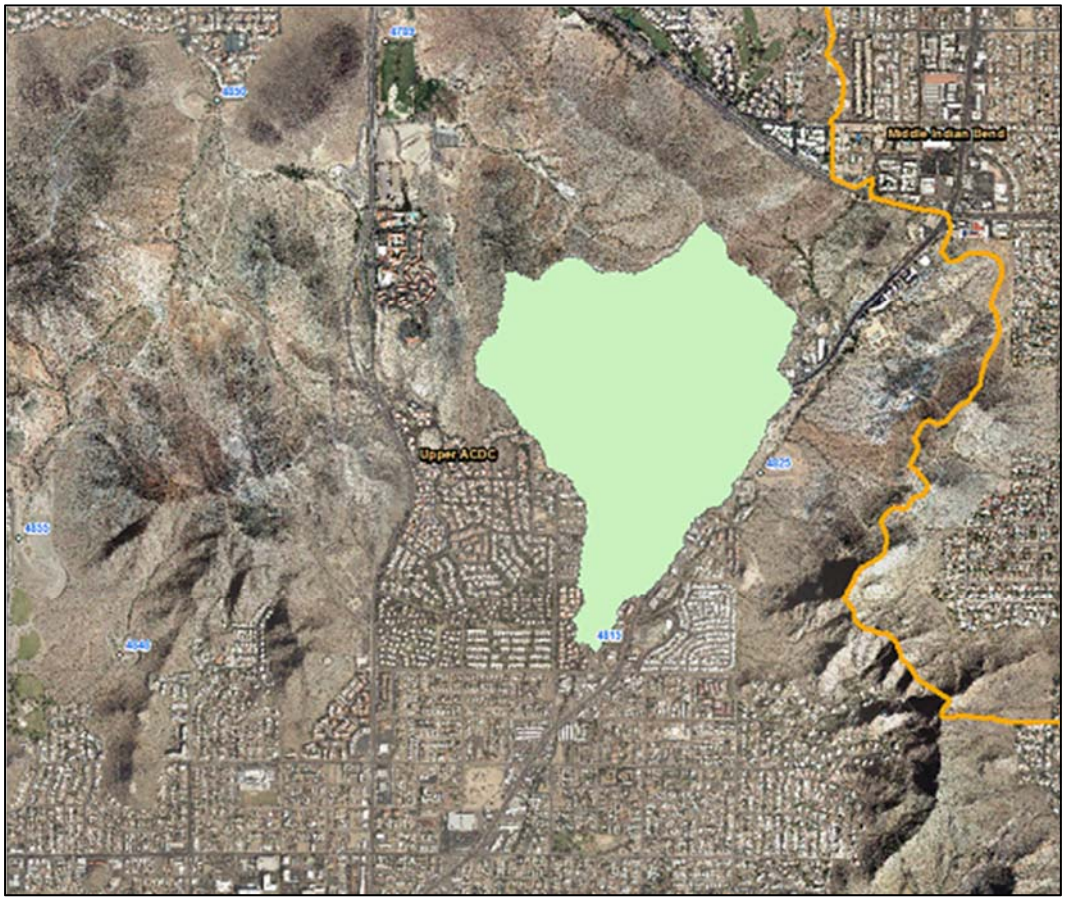
Tenth Street Wash Basin #1, ID #11007

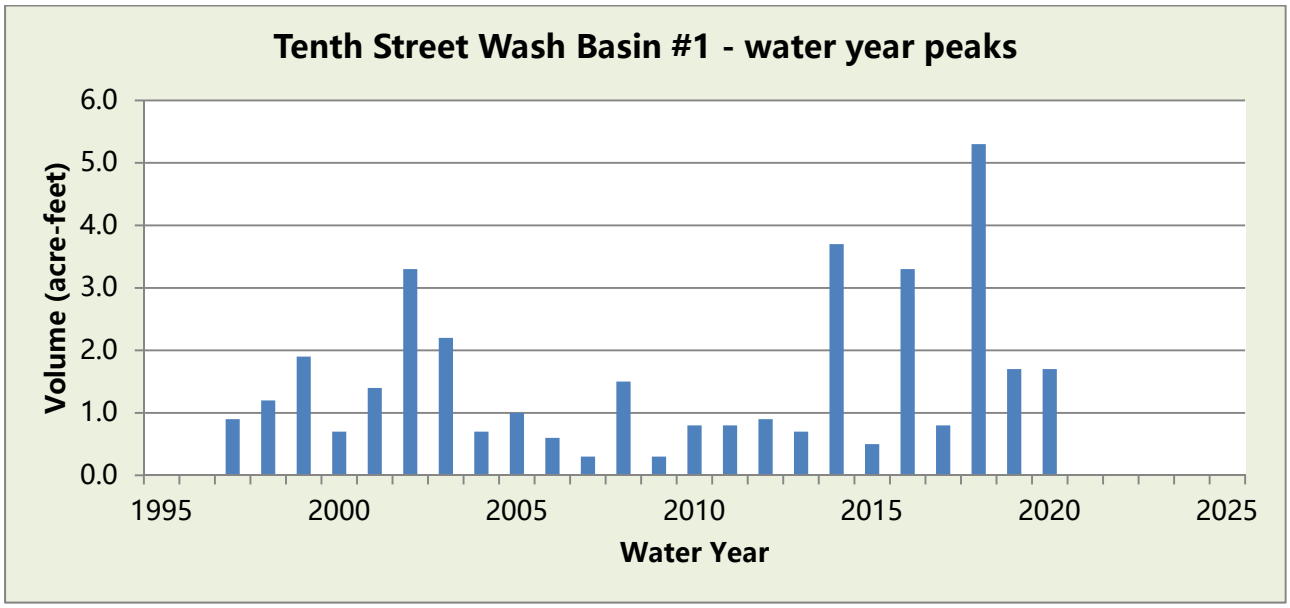


Site Data

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	23.85 Years | 8,710 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

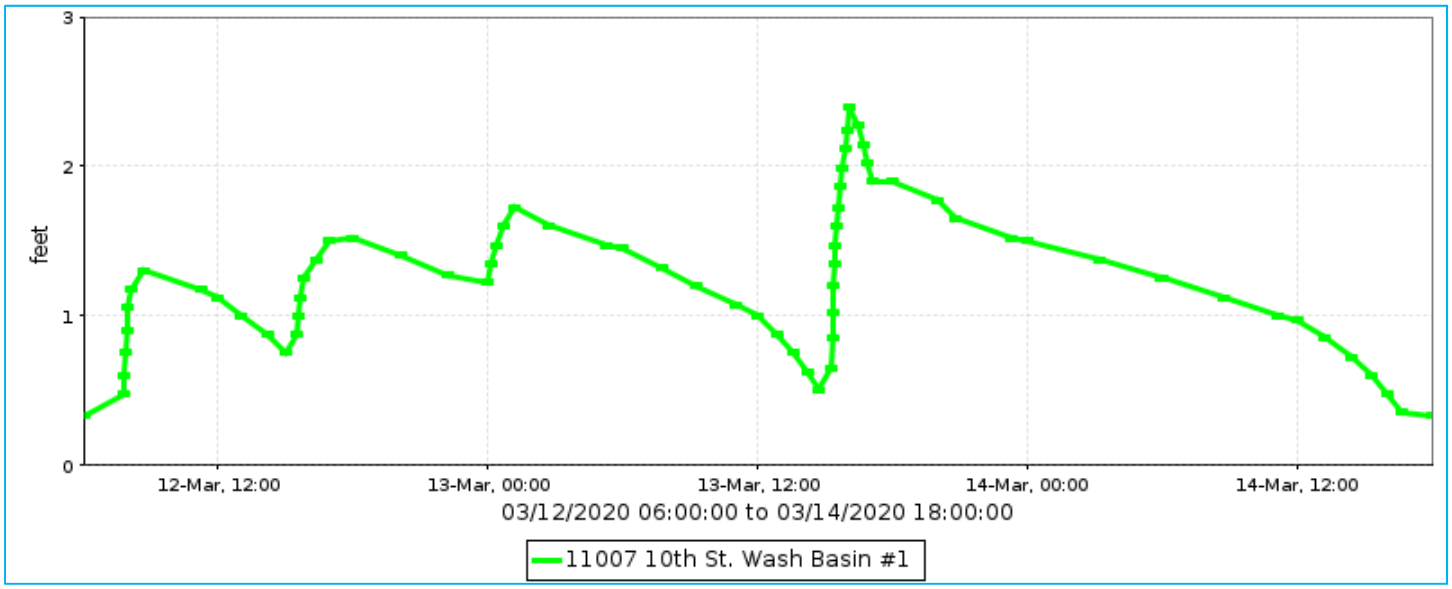




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	0.95	0.3	1.8
11/20/2019	0.97	0.3	1.8
11/29/2019	1.30	0.6	2.8
12/24/2019	0.95	0.3	1.4
12/25/2019	0.70	0.2	1.1
02/11/2020	1.07	0.4	2.1
02/22/2020	1.47	0.7	3.5
03/11/2020	1.10	0.4	2.1
03/12/2020	1.30	0.6	2.8
03/12/2020	1.52	0.8	3.8
03/13/2020	1.72	1.0	4.7
03/13/2020	2.39	1.7	8.4

Hydrograph of peak WY 2020 impoundment event, 03/13/2020



Tenth Street Wash Basin #1, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						2						
12						5						
13						10						
14						4						
15												
16												
17												
18												
19												
20		1										
21												
22					3							
23												
24												
25												
26												
27												
28												
29		2										
30					---							
31		---			---		---		---			---
TOTAL	0	2	0	0	3	21	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	0	0	0	0	0	0
MAX	0	8	3	0	10	21	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	5	0	0	6	41	0	0	0	0	0	0

WTR YR 2020 TOTAL 26 MEAN 0 MAX 21 MIN 0 AC_FT 52

Tenth Street Wash Basin #1, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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												
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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	0	1	0	0	1	2	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 2 MIN 0

Tenth Street Wash Basin #1, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.4	0.6	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	1.0	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.3	0.3	1.5	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.9	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	0.5	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	0.7	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	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.4	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	0.6	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	0.4	0.3	0.3	0.3	0.3	0.3	0.3
MAX	0.3	1.3	0.9	0.3	1.5	2.4	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 2020 MEAN 0.34 MAX 2.39 MIN 0.33

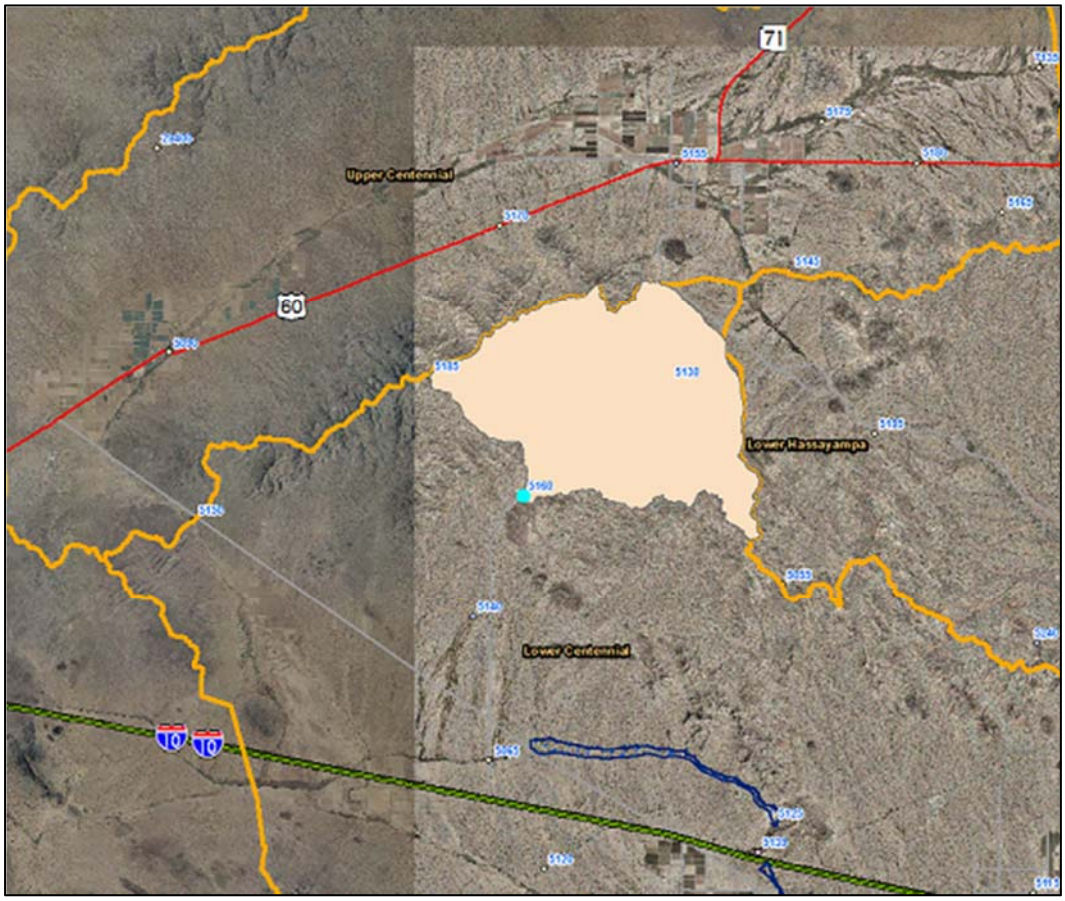
Tiger Wash, ID #27007

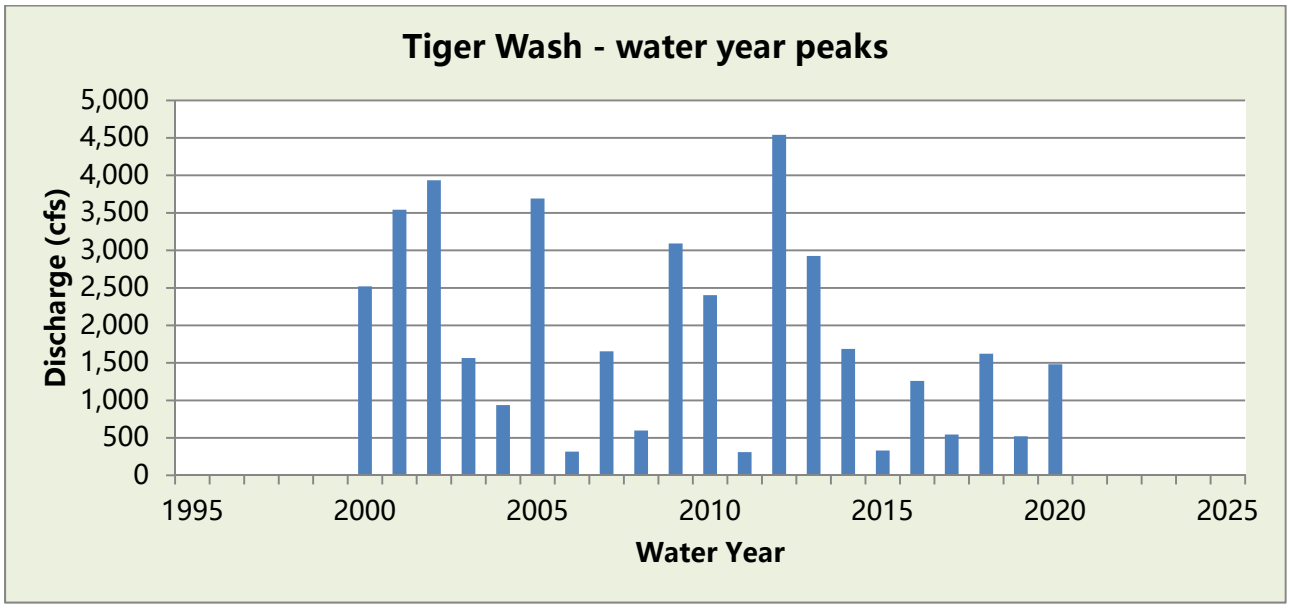


Site Data

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	21.05 Years | 7,687 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

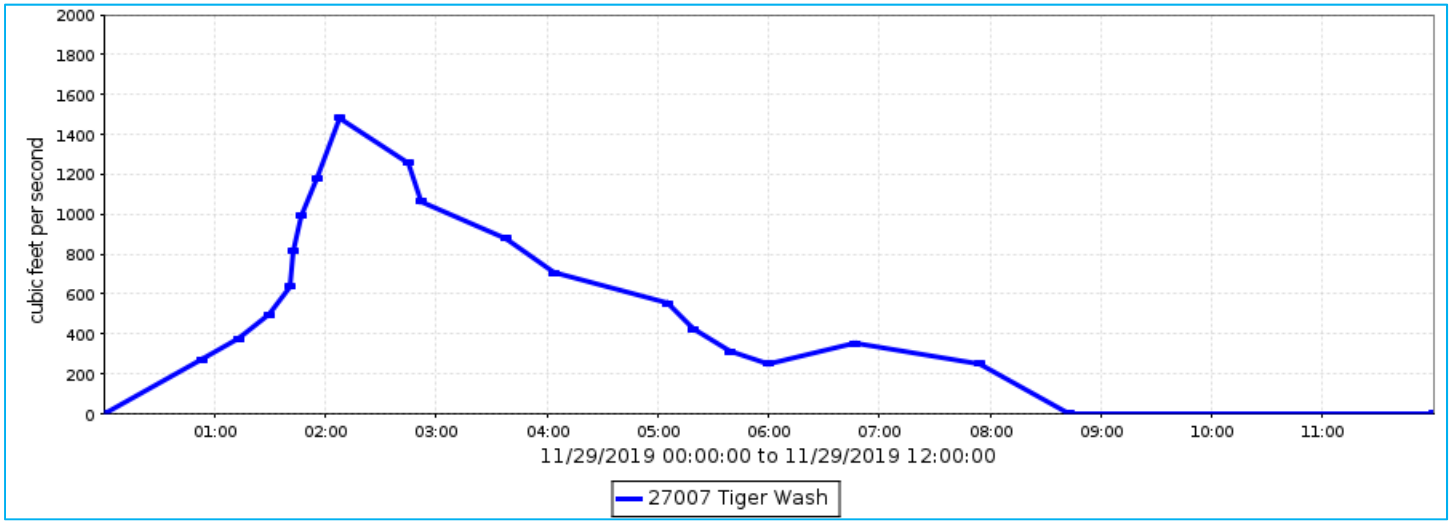




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	7.22	1,481
03/12/2020	6.04	575
03/18/2020	5.12	163

Hydrograph of peak WY 2020 flow event, 11/29/2019



Flood Flow Frequency

Flood Flow Frequency N=48, HEC-WRC computation (based on 48 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,160	**2,800**	**4,060**	**5,290**	**6,840**	**7,930**

NOTE: These results are based on limited data.

Tiger Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						63						
13						125				---		
14										---		
15												
16												
17												
18						6						
19						75						
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		204										
30					---							
31		---			---		---		---			---
TOTAL	0	204	0	0	0	269	0	0	0	0	0	0
MEAN	0	7	0	0	0	9	0	0	0	0	0	0
MAX	0	1481	0	0	0	575	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	404	0	0	0	533	0	0	0	0	0	0

WTR YR 2020 TOTAL 473 MEAN 1 MAX 1481 MIN 0 AC_FT 937

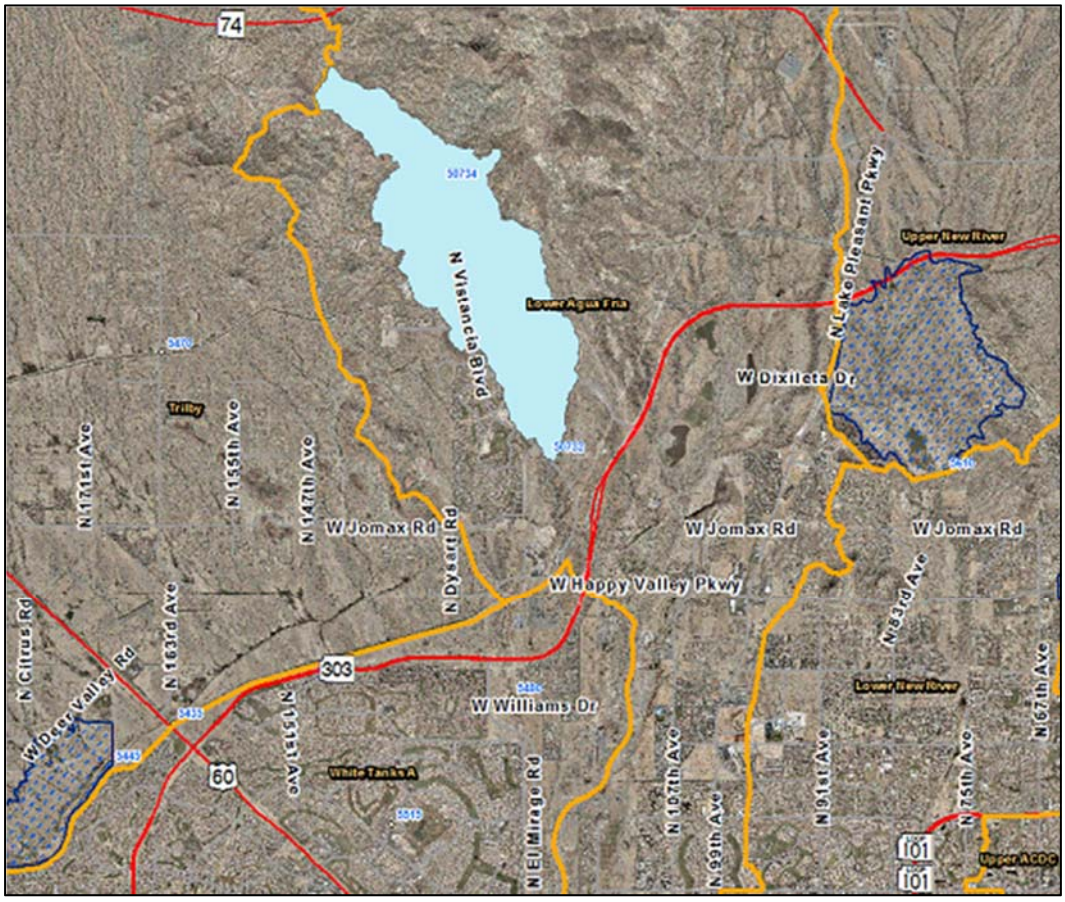
Twin Buttes Wash, ID #73207

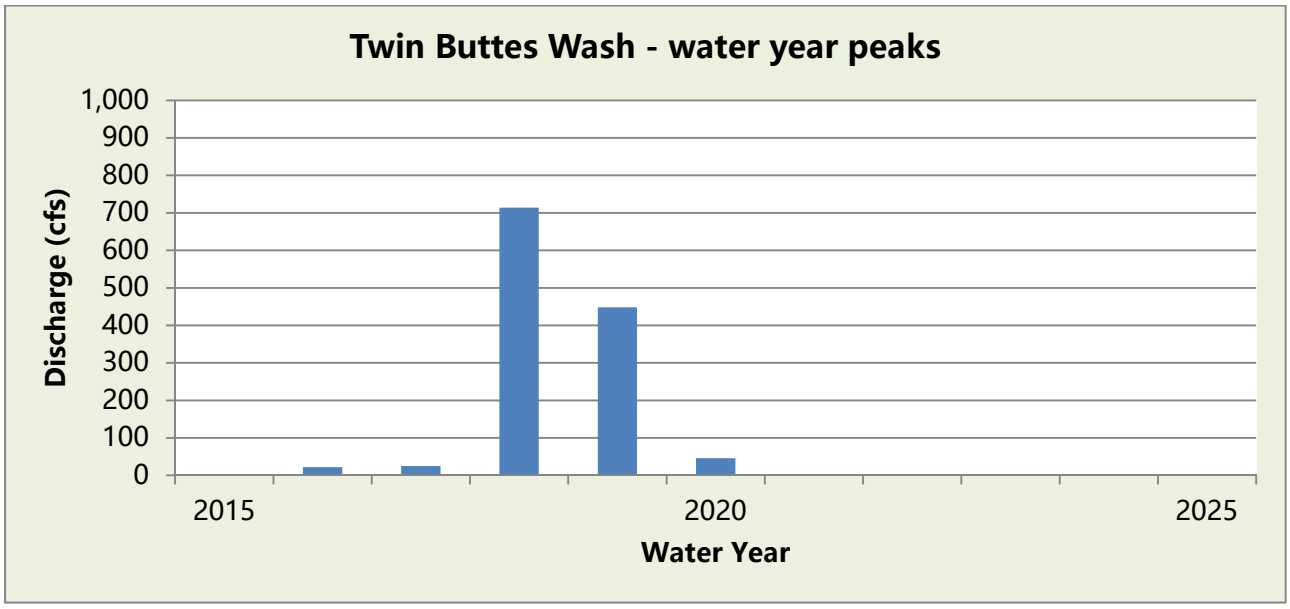


Site Data

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	4.81 Years | 1,758 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

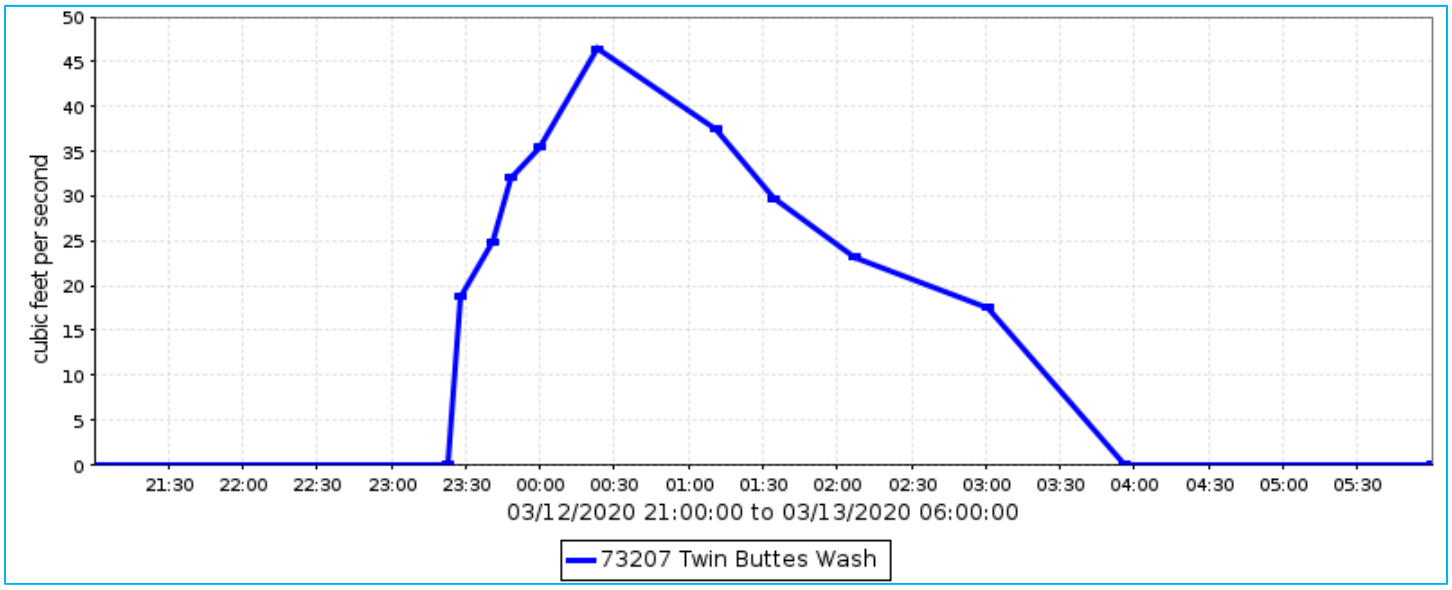




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	1.03	26
11/20/2019	1.04	26
11/29/2019	0.96	22
12/24/2019	0.85	16
03/12/2020	1.29	46
03/18/2020	1.24	41

Hydrograph of peak WY 2020 flow event, 03/12/2020



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 2019 to September 2020

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						1						
13						5						
14												
15												
16												
17												
18						7						
19												
20		3										
21												
22												
23												
24												
25												
26												
27												
28												
29		3										
30					---							
31		---			---		---		---			---
TOTAL	0	6	0	0	0	12	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	27	16	0	0	46	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	12	1	0	0	24	0	0	0	0	0	0

WTR YR 2020 TOTAL 19 MEAN 0 MAX 46 MIN 0 AC_FT 37

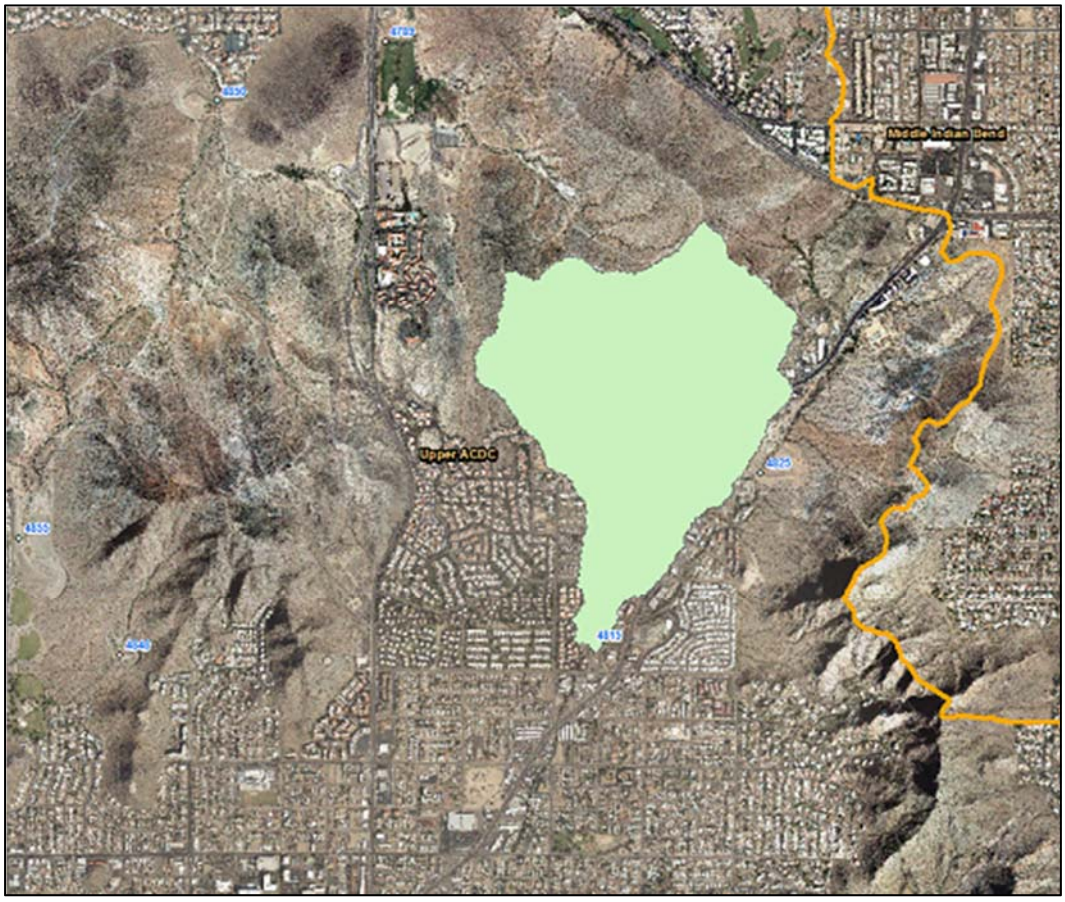
University Drive at 62nd Street Basin, ID #34607

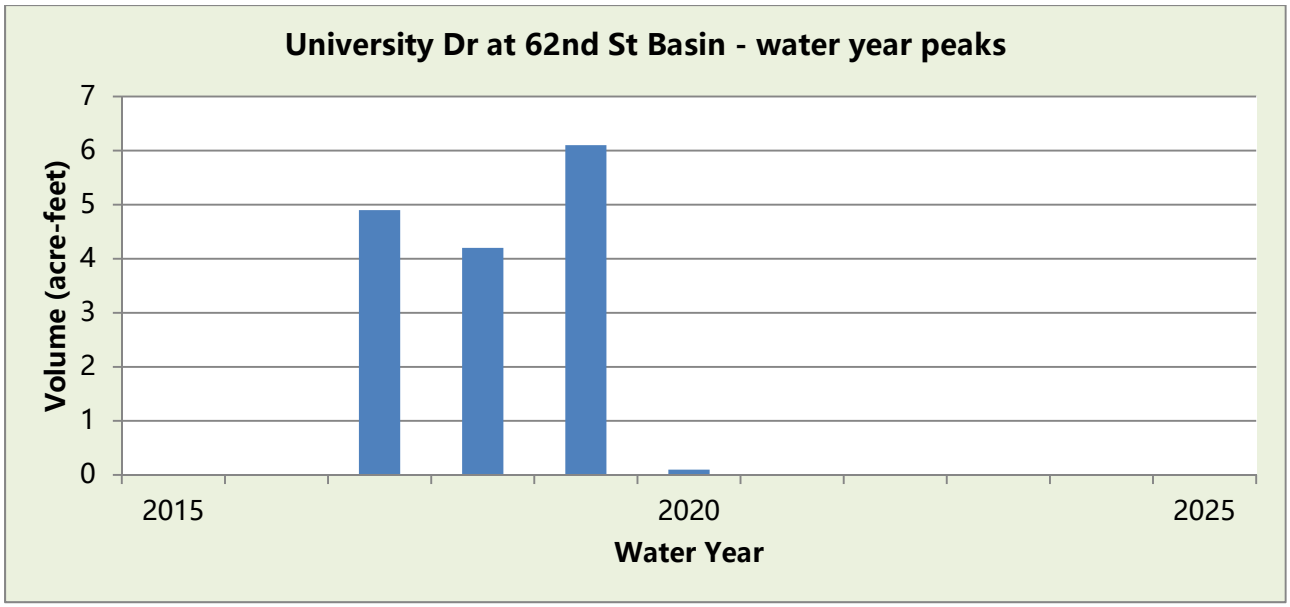


Site Data

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	3.78 Years | 1,379 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

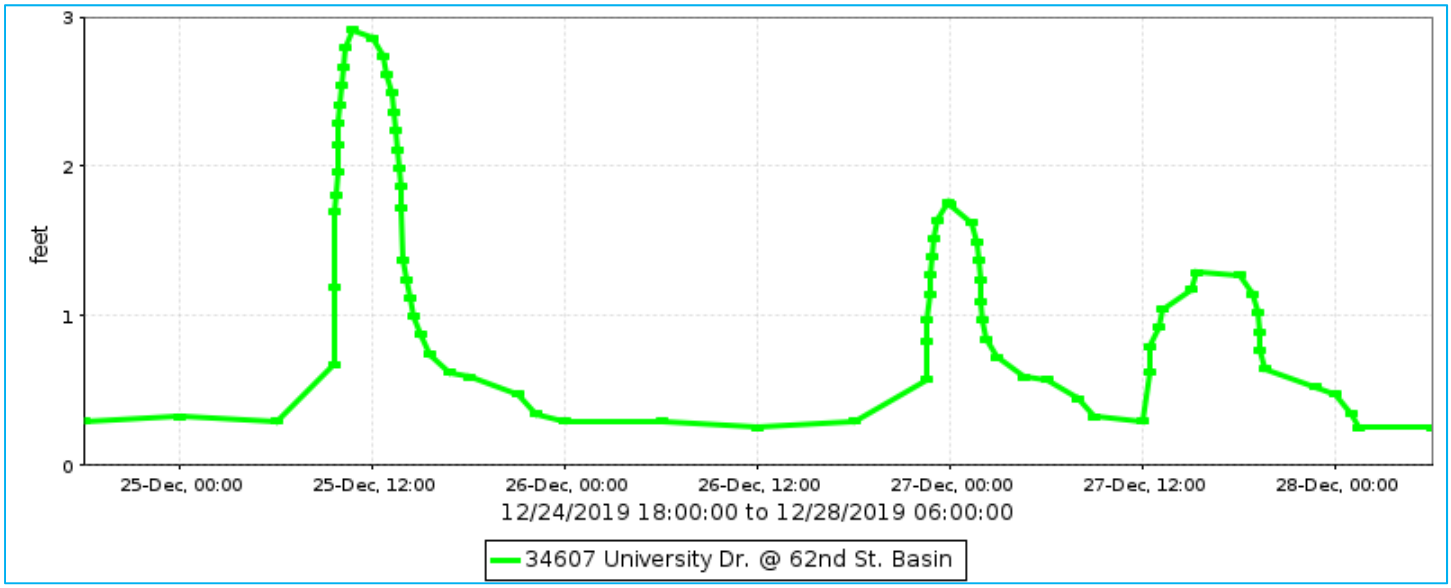




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	2.24	0.04	0.2
11/29/2019	1.62	0.02	0.1
12/09/2019	0.69	0.00	0.0
12/24/2019	1.29	0.01	0.0
12/25/2019	2.91	0.09	0.4
02/11/2020	0.69	0.00	0.0
02/23/2020	1.86	0.02	0.1
03/11/2020	1.42	0.01	0.0
03/13/2020	0.69	0.00	0.0
03/18/2020	1.39	0.01	0.0
08/29/2020	1.42	0.01	0.0

Hydrograph of peak WY 2020 impoundment event, 12/25/2019



University Drive at 62nd Street Basin, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		1										
21		1										
22												
23					1							
24												
25			1									
26												
27			1									
28												
29		1										
30		1			---							
31		---			---		---		---			---
TOTAL	0	5	2	0	1	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	3	4	0	2	2	0	0	0	0	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	9	4	0	2	2	0	0	0	0	0	0

WTR YR 2020 TOTAL 9 MEAN 0 MAX 4 MIN 0 AC_FT 17

University Drive at 62nd Street Basin, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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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 2020 MEAN 0 MAX 0 MIN 0

University Drive at 62nd Street Basin, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.3	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	0.3	0.6	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	0.3	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	0.5	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.4	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
25	0.2	0.2	0.9	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	0.2
27	0.2	0.2	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2
30	0.2	0.8	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	0.4	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2
MAX	0.2	2.4	2.9	0.2	1.9	1.4	0.2	0.2	0.2	0.4	1.4	0.2
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 2020 MEAN 0.27 MAX 2.91 MIN 0.25

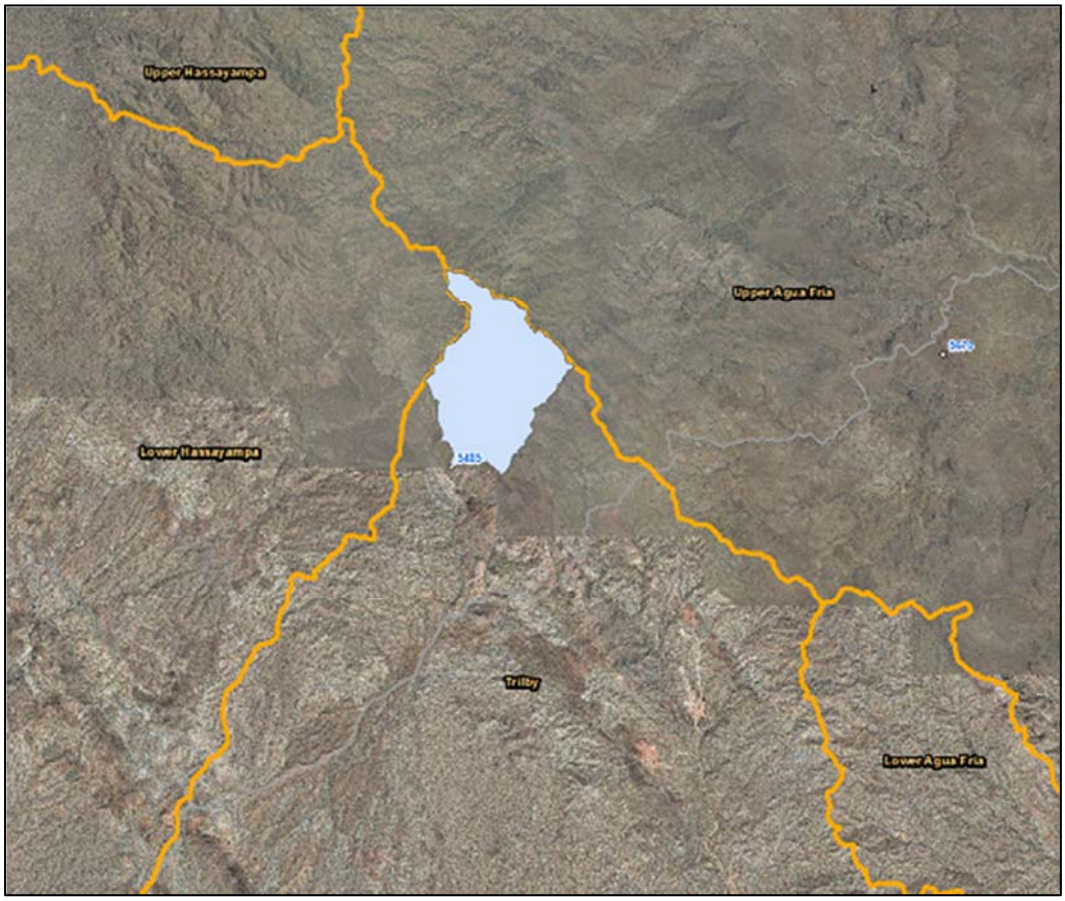
Upper Trilby Wash, ID #73807

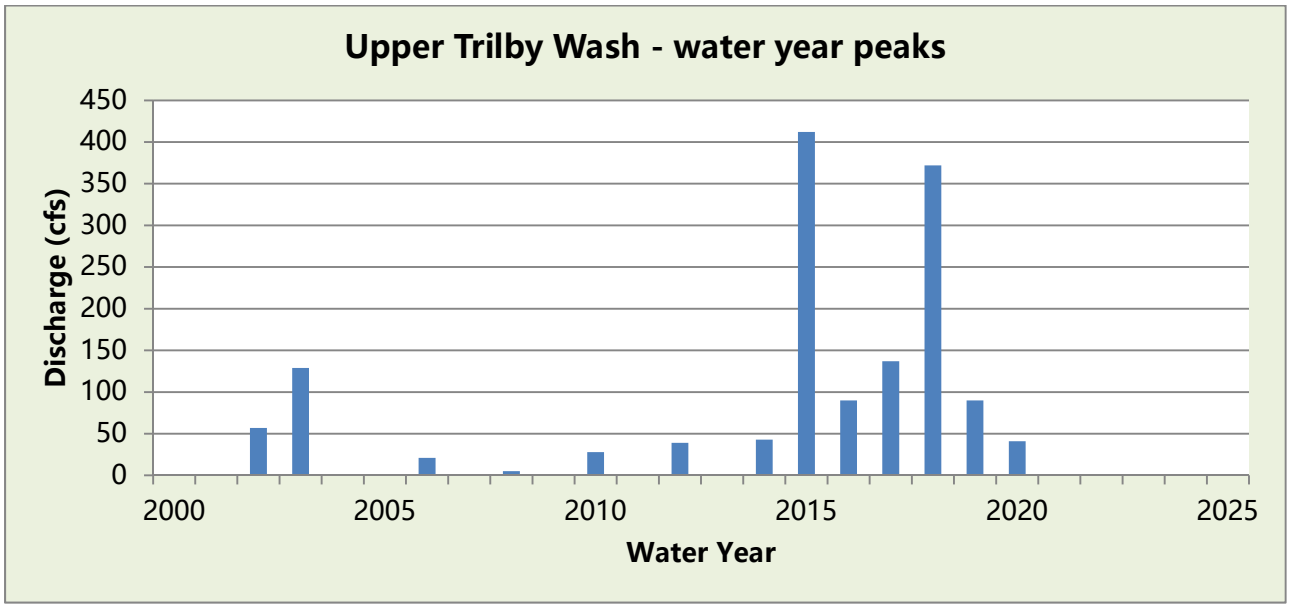


Site Data

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	19.01 Years | 6,945 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

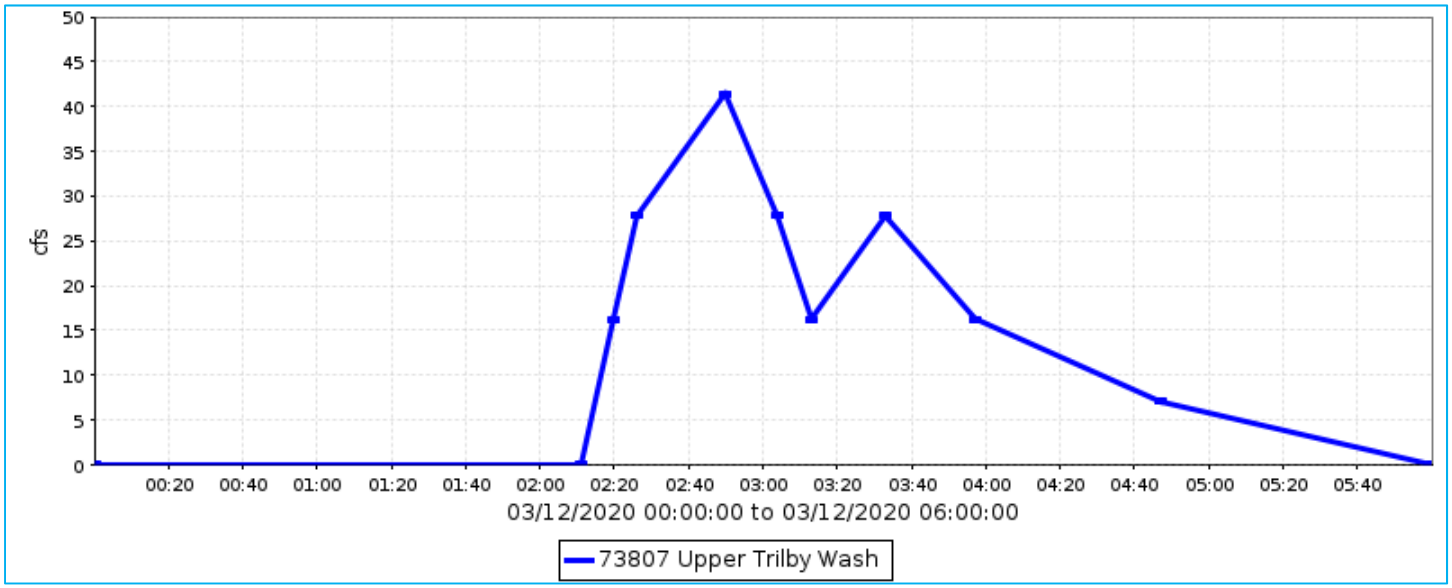




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/29/2019	1.11	13
03/12/2020	1.41	41
03/12/2020	1.24	28
03/12/2020	1.06	9
03/12/2020	1.36	44
03/18/2020	1.01	5

Hydrograph of peak WY 2020 flow event, 03/12/2020



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**
23	**108**	**238**	**453**	**927**	**1,480**

NOTE: These results are based on very limited data.

Upper Trilby Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						8						
13						5						
14												
15												
16												
17												
18												
19												
20												
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22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	1	0	0	0	13	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	13	0	0	0	44	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	0	0	0	26	0	0	0	0	0	0

WTR YR 2020 TOTAL 14 MEAN 0 MAX 44 MIN 0 AC_FT 27

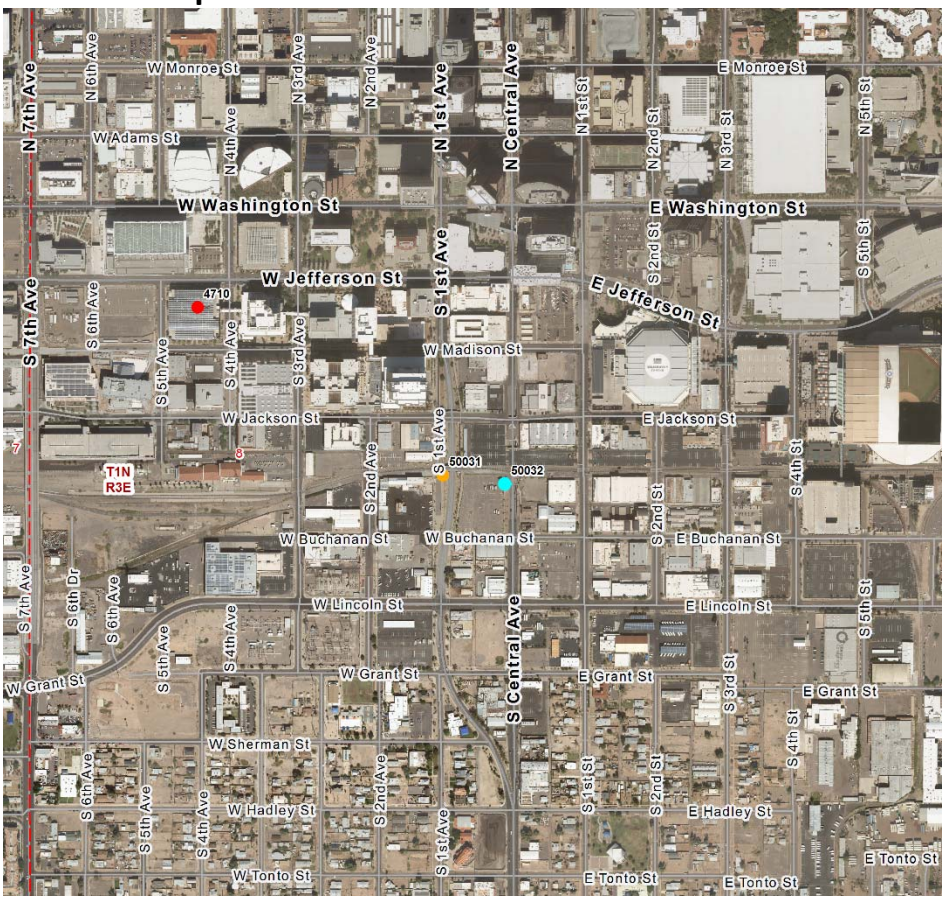
UPRR Underpass at First Avenue, ID #3107

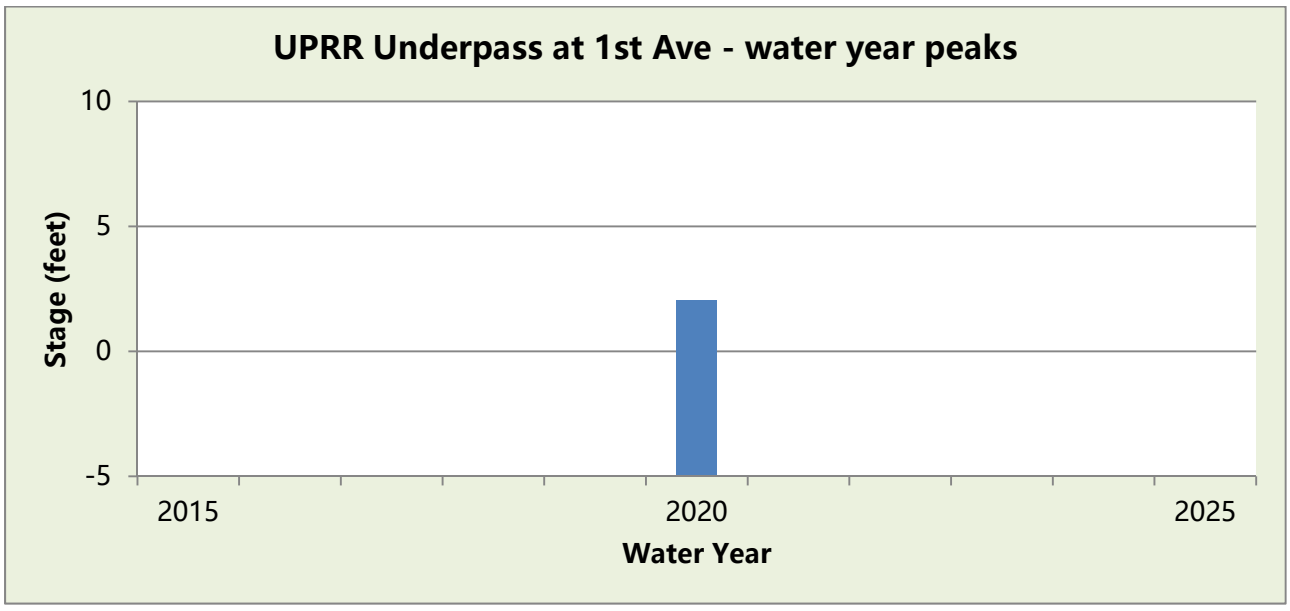


Site Data

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	3.34 Years | 1,220 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

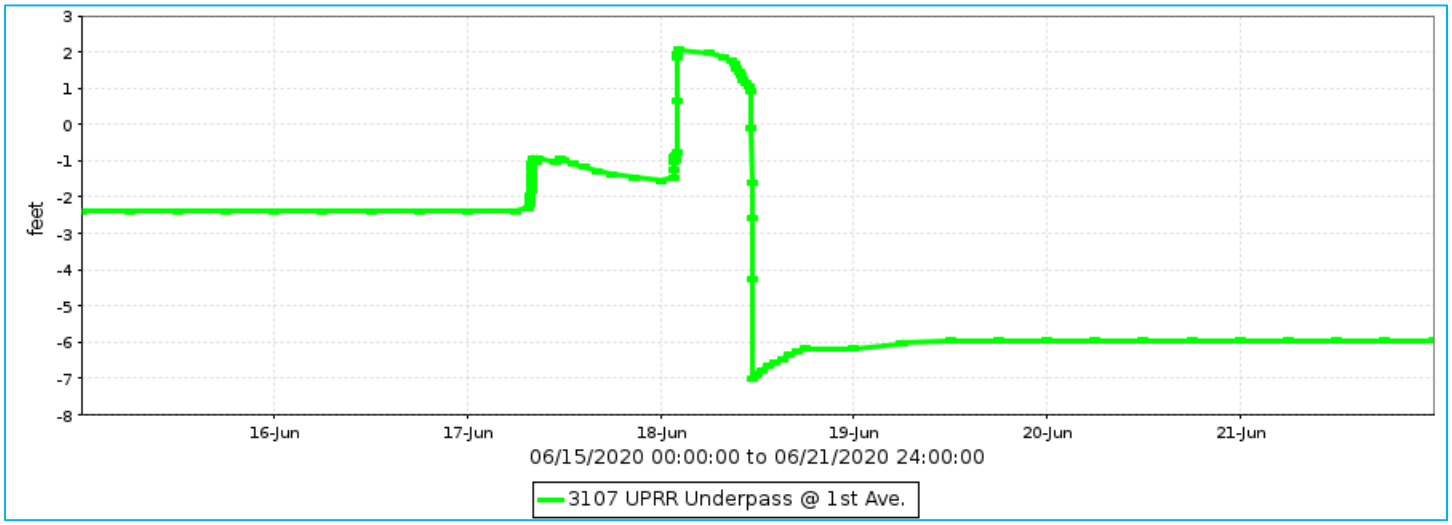




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/01/2019	-0.82	0.0	
06/18/2020	2.05	0.5	

Hydrograph of peak WY 2020 impoundment event, June 2020



UPRR Underpass at First Avenue, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.9	-1.3	-0.8	-0.8	-1.1	-0.8	-1.3	-1.9	-2.3	-6.0	-3.1	-8.1
2	-0.8	-1.3	-0.8	-0.8	-1.1	-0.8	-1.3	-1.9	-2.3	-7.1	-3.2	-8.1
3	-0.8	-1.3	-0.8	-0.8	-1.1	-0.9	-1.3	-1.9	-2.3	-6.3	-2.8	-8.1
4	-0.9	-1.3	-0.8	-0.9	-1.1	-0.9	-1.3	-1.9	-2.3	-6.1	-2.5	-8.1
5	-0.8	-1.3	-0.9	-0.9	-1.2	-0.9	-1.3	-1.9	-2.3	-6.0	-2.6	-8.1
6	-0.8	-1.4	-0.9	-1.0	-1.2	-1.0	-1.4	-1.9	-2.3	-6.0	-2.7	-8.1
7	-0.8	-1.4	-1.0	-1.0	-1.2	-1.0	-1.4	-2.0	-2.3	-5.3	-5.8	-8.1
8	-0.9	-1.4	-0.8	-1.1	-1.2	-1.1	-1.4	-2.0	-2.3	-4.0	-8.0	-8.1
9	-0.9	-1.4	-0.8	-1.1	-1.2	-1.1	-1.4	-2.0	-2.3	-4.2	-8.1	-8.1
10	-0.9	-1.4	-0.8	-1.1	-1.2	-1.1	-1.5	-2.0	-2.4	-4.4	-8.1	-8.1
11	-0.9	-1.4	-0.8	-1.1	-0.8	-0.8	-1.5	-2.0	-2.4	-4.5	-8.1	-8.1
12	-0.9	-1.4	-0.8	-1.2	-0.8	-0.8	-1.5	-2.0	-2.4	-4.5	-8.1	-8.1
13	-0.9	-1.4	-0.8	-1.2	-0.8	-0.8	-1.6	-2.1	-2.4	-4.5	-8.1	-8.1
14	-1.0	-1.4	-0.9	-1.2	-0.8	-0.8	-1.6	-2.1	-2.4	-5.5	-8.1	-8.1
15	-1.0	-1.5	-0.9	-1.2	-0.8	-0.8	-1.6	-2.1	-2.4	-6.2	-8.1	-8.1
16	-1.0	-1.5	-1.0	-1.3	-0.8	-0.8	-1.6	-2.1	-2.4	-6.0	-8.1	-8.1
17	-1.0	-1.5	-1.1	-1.3	-0.8	-0.8	-1.7	-2.1	-1.6	-7.3	-8.1	-8.1
18	-1.0	-1.5	-1.1	-1.3	-0.9	-0.8	-1.7	-2.1	-2.8	-7.2	-8.1	-8.1
19	-1.1	-1.2	-1.2	-1.3	-0.9	-0.8	-1.7	-2.1	-6.0	-7.2	-8.1	-8.1
20	-1.1	-0.8	-1.2	-1.3	-1.0	-0.8	-1.7	-2.2	-6.0	-3.2	-8.1	-8.1
21	-1.1	-0.8	-1.2	-0.9	-1.1	-0.8	-1.7	-2.2	-6.0	-2.0	-8.1	-8.1
22	-1.1	-0.8	-1.2	-0.8	-0.9	-0.8	-1.7	-2.2	-6.0	-1.2	-8.1	-8.1
23	-1.1	-0.8	-1.2	-0.8	-0.8	-0.8	-1.7	-2.2	-6.0	-1.8	-8.1	-8.1
24	-1.1	-0.8	-0.9	-0.8	-0.8	-0.9	-1.8	-2.2	-6.0	-2.0	-8.1	-8.1
25	-1.1	-0.8	-0.8	-0.9	-0.8	-1.0	-1.8	-2.2	-6.0	-1.8	-8.1	-8.1
26	-1.2	-0.8	-0.8	-0.9	-0.8	-1.0	-1.8	-2.2	-6.0	-2.1	-8.1	-8.1
27	-1.2	-0.9	-0.8	-1.0	-0.8	-1.1	-1.7	-2.2	-6.0	-2.3	-8.1	-8.1
28	-1.2	-1.0	-0.8	-1.0	-0.8	-1.1	---	-2.2	-6.0	-2.4	-8.1	-8.1
29	-1.2	-0.8	-0.8	-1.0	-0.8	-1.1	---	-2.2	-6.0	-2.6	-8.1	-8.1
30	-1.2	-0.8	-0.8	-1.1	---	-1.2	-1.9	-2.2	-6.0	-2.8	-8.1	-8.1
31	-1.3	---	-0.8	-1.1	---	-1.2	---	-2.3	---	-3.0	-8.1	---
MEAN	-1.0	-1.2	-0.9	-1.0	-1.0	-0.9	-1.6	-2.1	-3.8	-4.4	-7.0	-8.1
MAX	-0.8	-0.7	-0.7	-0.7	-0.7	-0.7	-1.2	-1.9	2.0	0.8	-2.4	-8.1
MIN	-1.3	-1.5	-1.2	-1.3	-1.2	-1.2	-1.9	-2.3	-7.0	-9.7	-9.3	-8.1

WTR YR 2020 MEAN -2.74 MAX 2.05 MIN -9.74

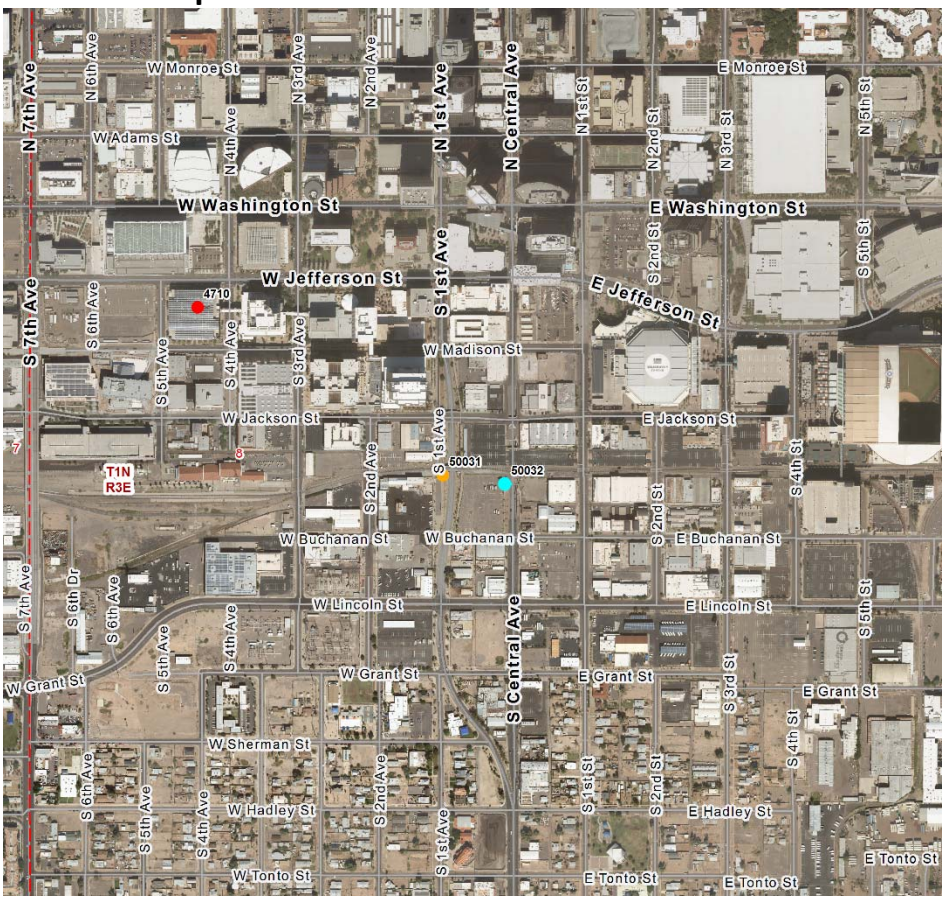
UPRR Underpass at Central Avenue, ID #3207

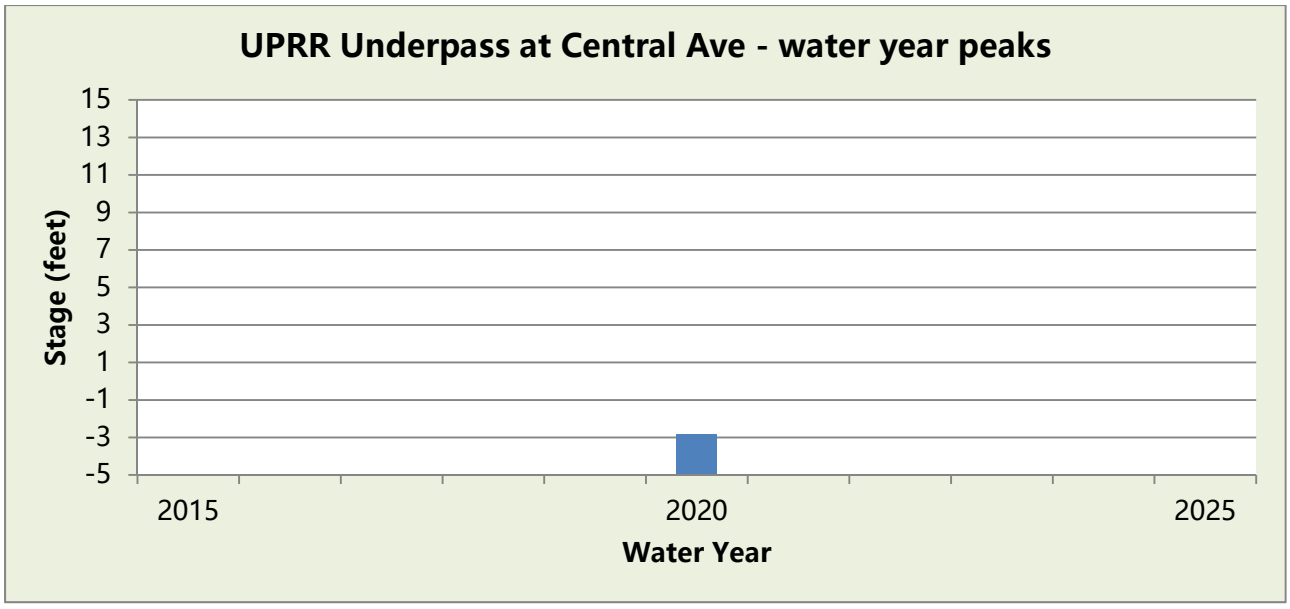


Site Data

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	3.34 Years | 1,220 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

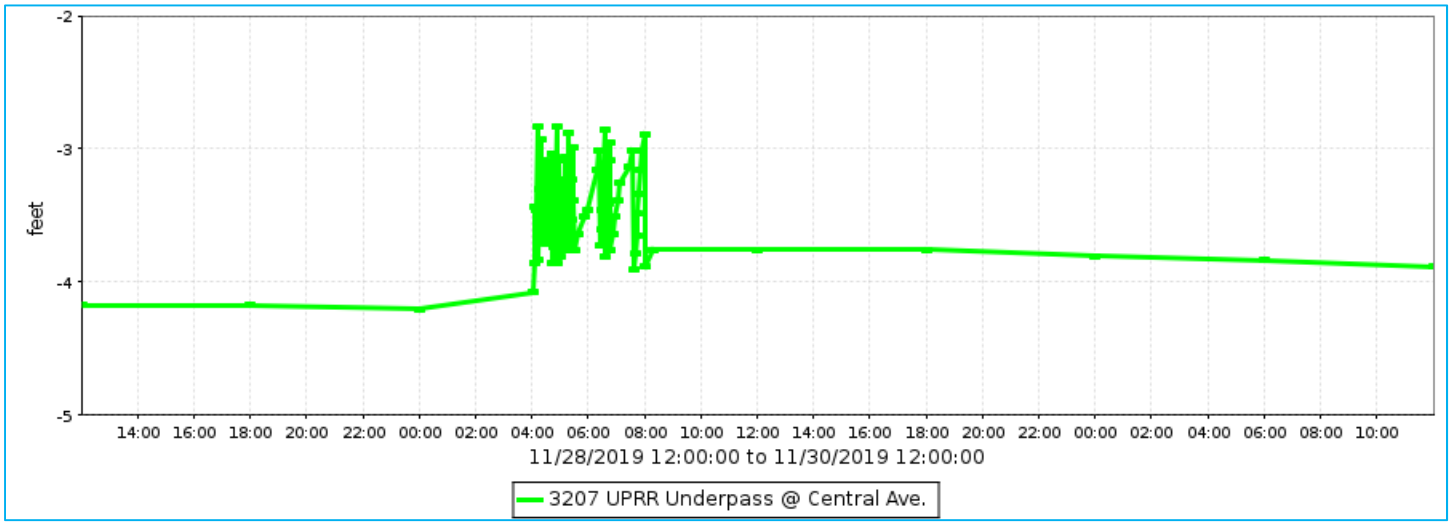




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	-2.83	0.0	

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



UPRR Underpass at Central Avenue, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-3.7	-4.7	-4.0	-4.0	-4.6	-4.3	-4.3	-4.8	-4.9	-5.0	-5.0	-5.0
2	-3.7	-4.7	-4.1	-4.1	-4.7	-4.4	-4.3	-4.8	-5.0	-5.0	-5.0	-5.0
3	-3.8	-4.7	-4.2	-4.2	-4.7	-4.4	-4.4	-4.8	-5.0	-5.0	-5.0	-5.0
4	-3.9	-4.7	-4.3	-4.3	-4.7	-4.5	-4.4	-4.8	-5.0	-5.0	-5.0	-5.0
5	-3.9	-4.7	-4.3	-4.3	-4.7	-4.5	-4.4	-4.8	-5.0	-5.0	-5.0	-5.0
6	-3.9	-4.7	-4.3	-4.4	-4.7	-4.5	-4.5	-4.8	-5.0	-5.0	-5.0	-5.0
7	-3.9	-4.8	-4.3	-4.4	-4.8	-4.6	-4.5	-4.8	-5.0	-5.0	-5.0	-5.0
8	-4.0	-4.8	-4.1	-4.5	-4.8	-4.6	-4.5	-4.8	-5.0	-5.0	-5.0	-5.0
9	-4.0	-4.8	-4.2	-4.5	-4.8	-4.6	-4.5	-4.8	-5.0	-5.0	-5.0	-5.0
10	-4.0	-4.8	-4.2	-4.5	-4.8	-4.5	-4.6	-4.8	-5.0	-5.0	-5.0	-5.0
11	-4.1	-4.8	-4.3	-4.6	-3.5	-3.5	-4.6	-4.9	-5.0	-5.0	-5.0	-5.0
12	-4.1	-4.8	-4.3	-4.6	-3.8	-3.5	-4.6	-4.8	-5.0	-5.0	-5.0	-5.0
13	-4.1	-4.8	-4.4	-4.7	-4.0	-3.5	-4.6	-4.8	-5.0	-5.0	-5.0	-5.0
14	-4.2	-4.8	-4.4	-4.7	-4.0	-3.4	-4.6	-4.8	-5.0	-5.0	-5.0	-5.0
15	-4.2	-4.8	-4.4	-4.7	-4.1	-3.7	-4.6	-4.9	-5.0	-5.0	-5.0	-5.0
16	-4.2	-4.8	-4.5	-4.7	-4.2	-3.9	-4.7	-4.9	-5.0	-5.0	-5.0	-5.0
17	-4.3	-4.8	-4.5	-4.7	-4.3	-4.0	-4.7	-4.9	-5.0	-5.0	-5.0	-5.0
18	-4.3	-4.8	-4.6	-4.7	-4.4	-3.8	-4.7	-4.9	-5.0	-5.0	-5.0	-5.0
19	-4.3	-4.5	-4.6	-4.7	-4.4	-3.6	-4.7	-4.9	-5.0	-5.0	-5.0	-5.0
20	-4.3	-3.5	-4.6	-4.7	-4.5	-3.8	-4.7	-4.9	-5.0	-5.0	-5.0	-5.0
21	-4.4	-3.6	-4.7	-4.3	-4.5	-3.9	-4.7	-4.9	-5.0	-5.0	-5.0	-5.0
22	-4.4	-3.7	-4.7	-4.3	-3.7	-4.0	-4.7	-4.9	-5.0	-5.0	-5.0	-5.0
23	-4.4	-3.8	-4.7	-4.3	-3.6	-4.0	-4.7	-4.9	-5.0	-5.0	-5.0	-5.0
24	-4.4	-3.9	-3.9	-4.4	-3.9	-4.1	-4.7	-4.9	-5.0	-4.9	-5.0	-5.0
25	-4.4	-4.0	-3.5	-4.4	-3.9	-4.1	-4.7	-4.9	-5.0	-4.5	-5.0	-5.0
26	-4.5	-4.1	-3.5	-4.4	-4.0	-4.1	-4.7	-4.9	-5.0	-4.6	-5.0	-5.0
27	-4.5	-4.1	-3.3	-4.5	-4.1	-4.2	-4.8	-4.9	-5.0	-4.6	-5.0	-5.0
28	-4.5	-4.2	-3.5	-4.5	-4.2	-4.2	-4.8	-4.9	-5.0	-4.8	-5.0	-5.0
29	-4.6	-3.8	-3.8	-4.5	-4.3	-4.2	-4.8	-4.9	-5.0	-5.0	-5.0	-5.0
30	-4.6	-3.9	-3.9	-4.5	---	-4.3	-4.8	-4.9	-5.0	-5.0	-5.0	-5.0
31	-4.7	---	-4.0	-4.6	---	-4.3	---	-4.9	---	-5.0	-5.0	---
MEAN	-4.2	-4.4	-4.2	-4.5	-4.3	-4.1	-4.6	-4.9	-5.0	-4.9	-5.0	-5.0
MAX	-3.7	-2.8	-2.9	-4.0	-2.9	-2.8	-3.8	-4.8	-4.9	-4.5	-5.0	-5.0
MIN	-4.7	-4.8	-4.7	-4.8	-4.8	-4.7	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0

WTR YR 2020 MEAN -4.59 MAX -2.83 MIN -5.00

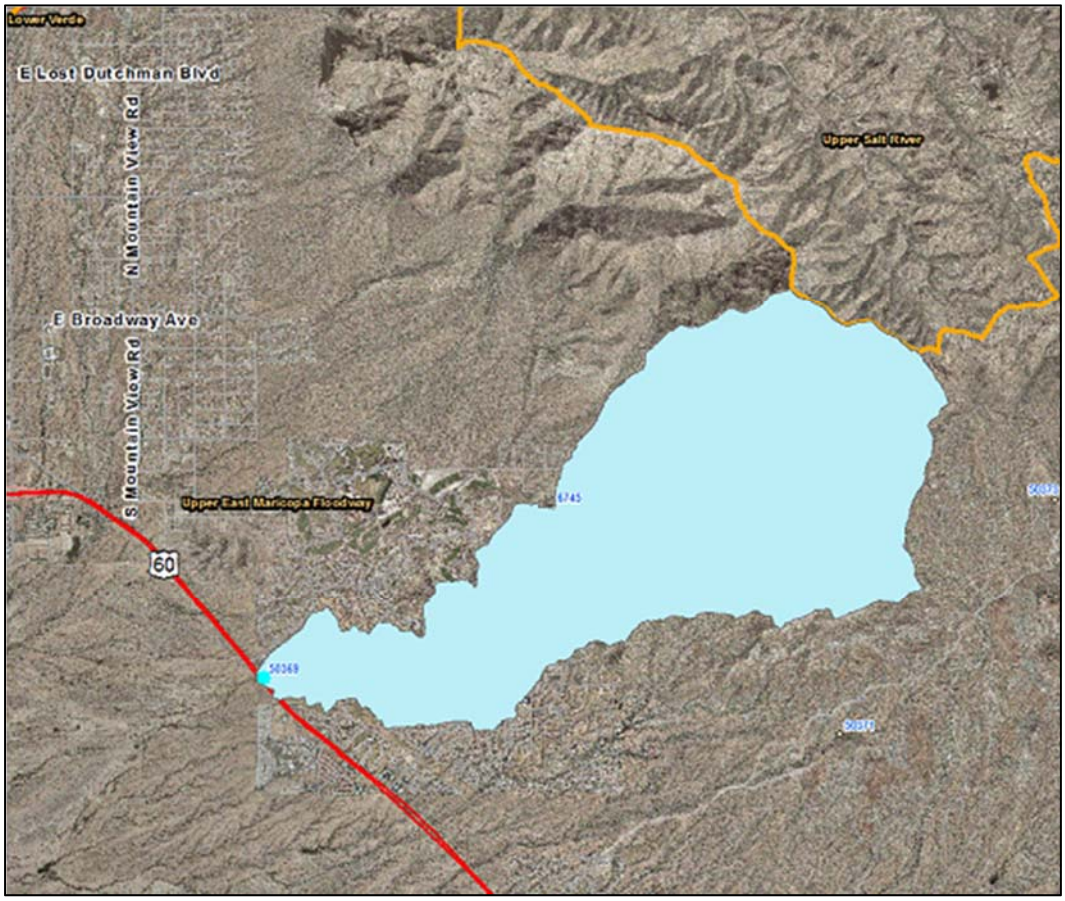
US60 at Gold Canyon, ID #36907

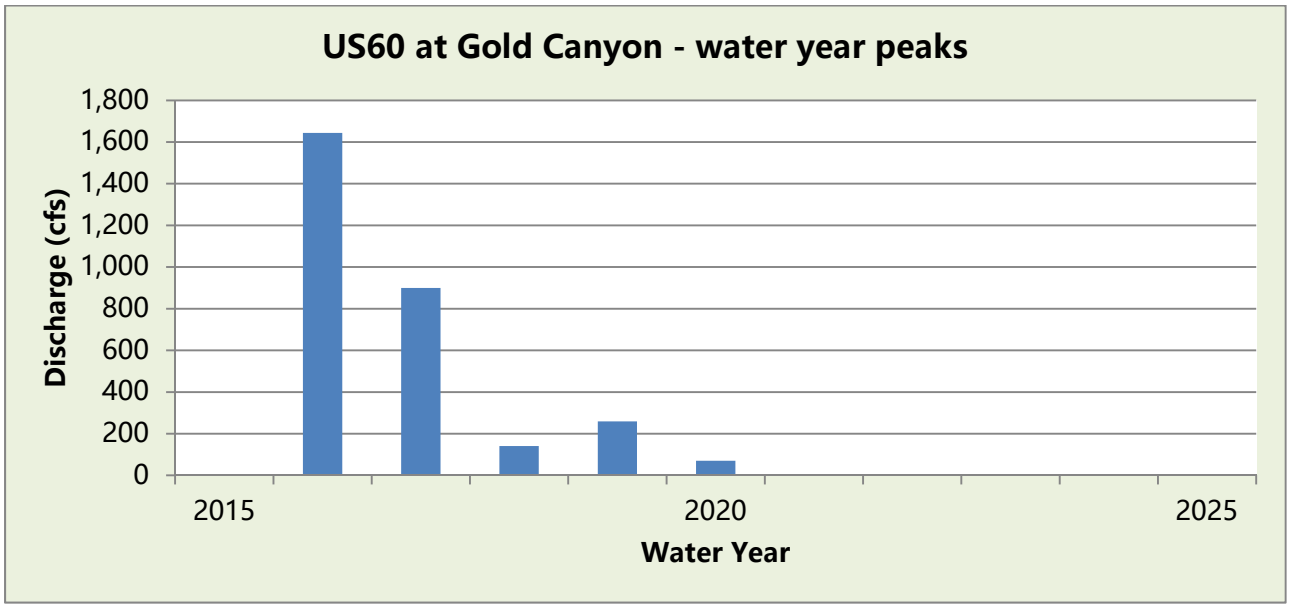


Site Data

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	4.39 Years | 1,604 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

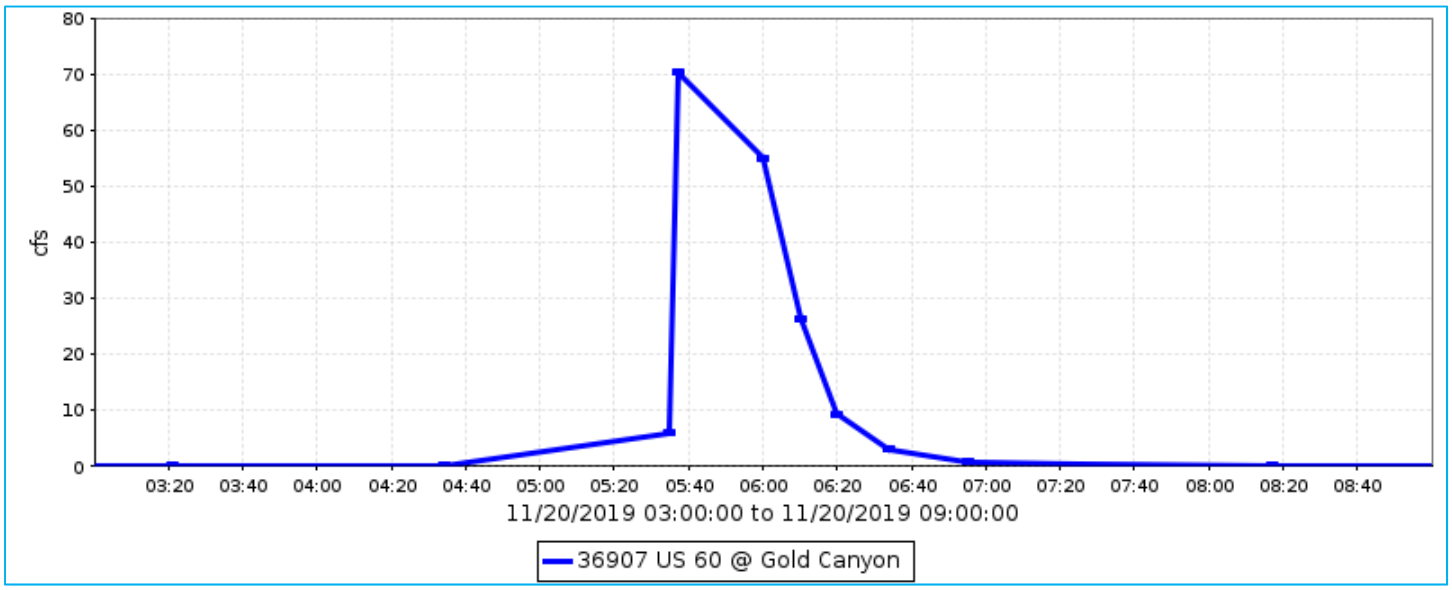




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	1.12	70
11/29/2019	0.94	31

Hydrograph of peak WY 2020 flow event, 11/20/2019



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 2019 to September 2020

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		2										
21												
22												
23												
24												
25												
26												
27												
28												
29		2										
30					---							
31		---			---		---		---			---
TOTAL	0	3	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	70	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	7	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 3 MEAN 0 MAX 70 MIN 0 AC_FT 7

Vekol Wash, ID #74507

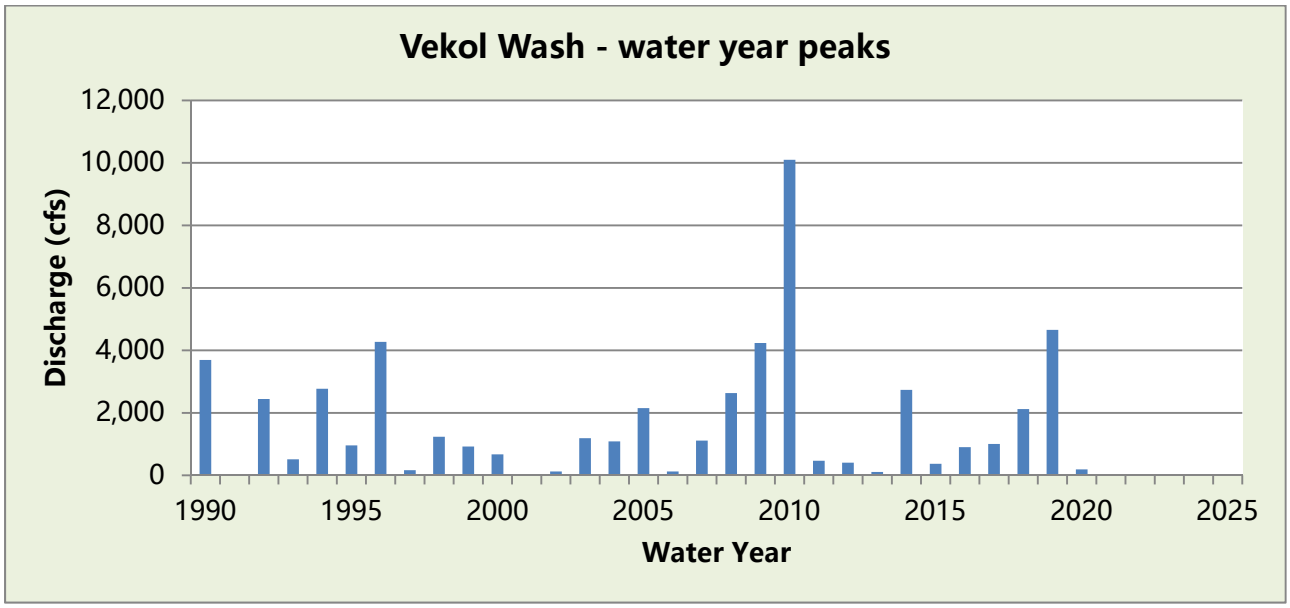


Site Data

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	30.57 Years | 11,166 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

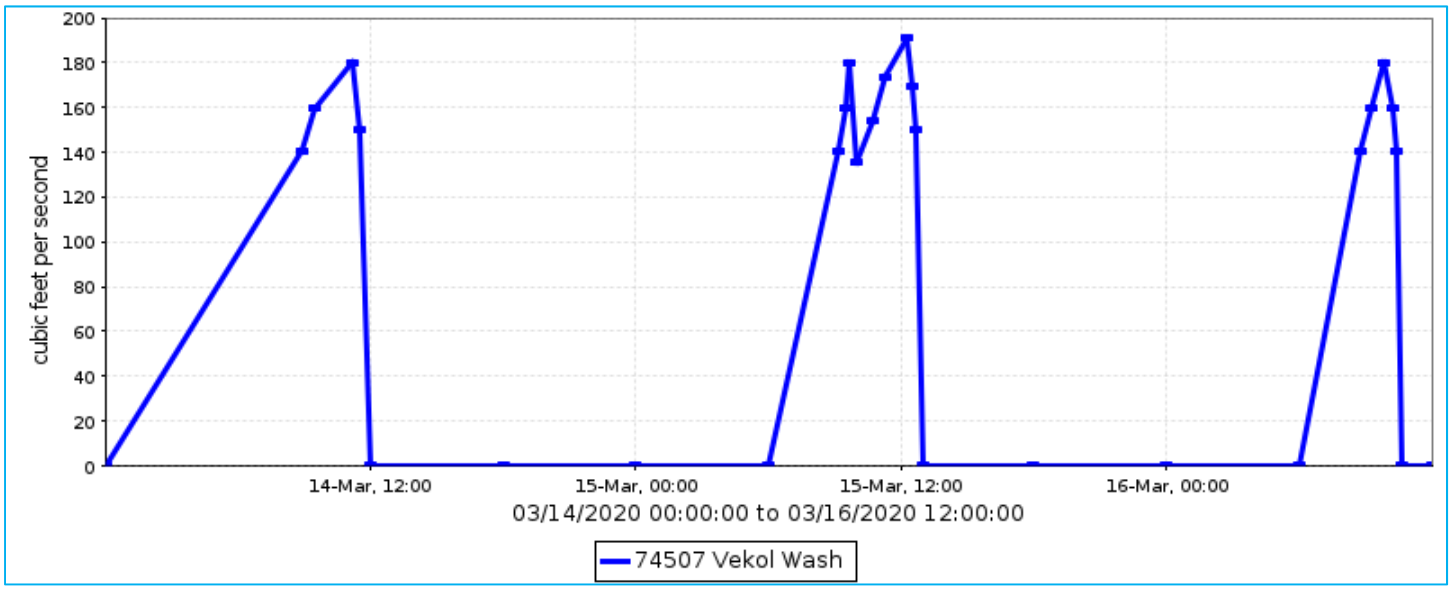




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
03/14/2020	5.26	180
03/15/2020	5.31	191
03/16/2020	5.26	180

Hydrograph of peak WY 2020 flow event, 03/15/2020



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**
954	**2,640**	**4,370**	**6,520**	**10,100**	**13,400**

NOTE: These results are based on limited data.

Vekol Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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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13												
14						20						
15						25						
16						12						
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23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	57	0	0	0	0	0	0
MEAN	0	0	0	0	0	2	0	0	0	0	0	0
MAX	0	0	0	0	0	191	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	114	0	0	0	0	0	0

WTR YR 2020 TOTAL 57 MEAN 0 MAX 191 MIN 0 AC_FT 114

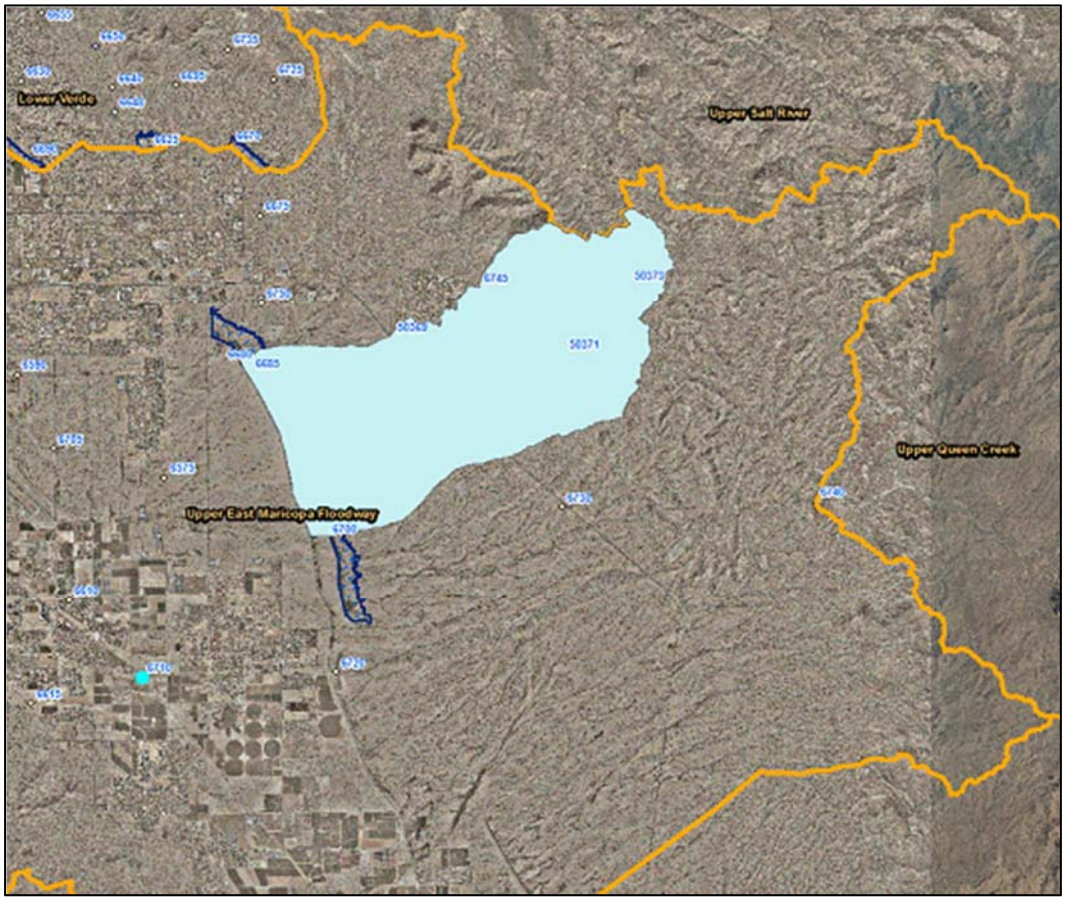
Vineyard FRS, ID #37007

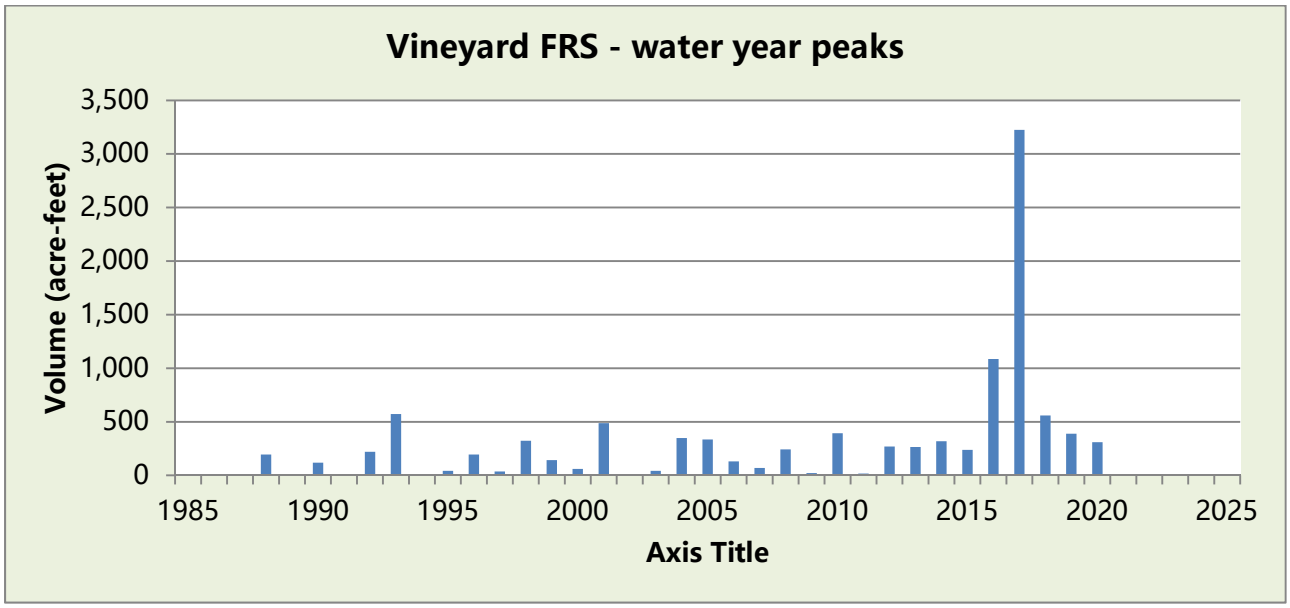


Site Data

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	32.90 Years | 12,015 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



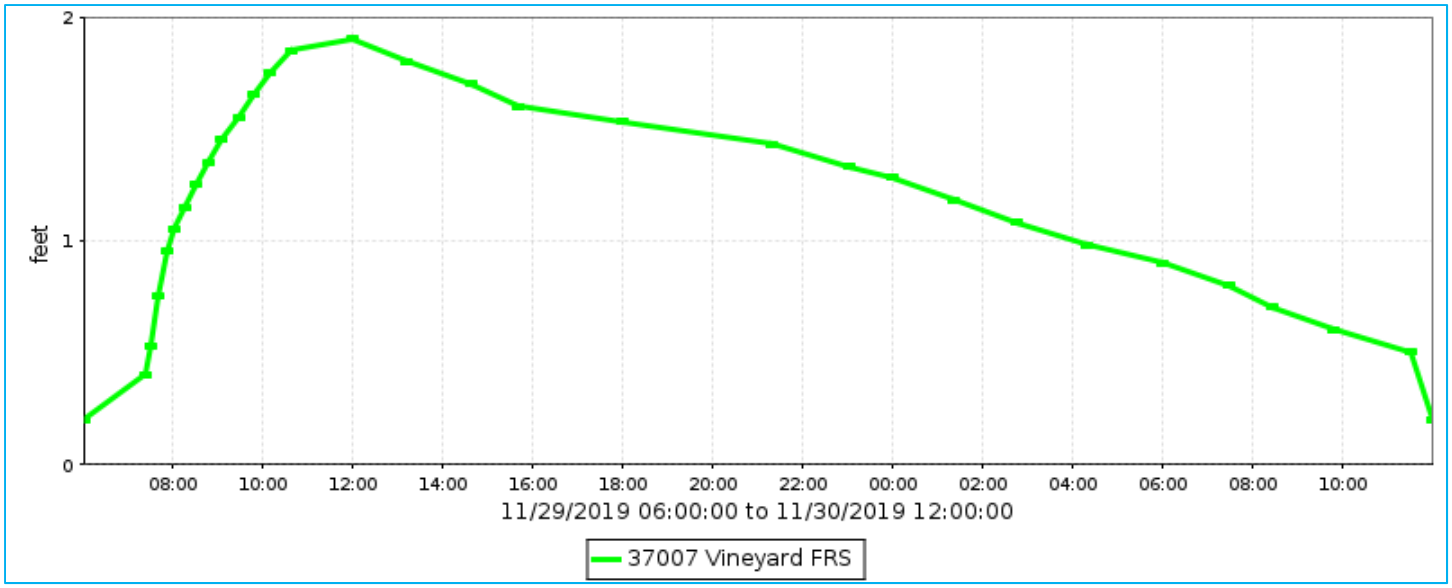


WY2020 Events*

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/21/2019	1.30	191.9	4.4
11/29/2019	1.90	310.4	6.9

*NOTE: Due to unfinished construction, peak volumes are greater than actual.

Hydrograph of peak WY 2020 impoundment event, 11/29/2019



Vineyard FRS, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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		6										
22		2										
23												
24												
25												
26												
27												
28												
29		12										
30		4			---							
31		---			---		---		---			---
TOTAL	0	23	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	0	23	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	46	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 TOTAL 23 MEAN 0 MAX 23 MIN 0 AC_FT 46

Vineyard FRS, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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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15												
16				---								
17												
18												
19												
20												
21		93										
22		32										
23												
24												
25												
26												
27												
28												
29		168										
30		63			---							
31		---			---		---		---			---
MEAN	0	12	0	0	0	0	0	0	0	0	0	0
MAX	0	310	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 2020 MEAN 1 MAX 310 MIN 0

Vineyard FRS, stage data

Depth, in feet, Water Year October 2019 to September 2020

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
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	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.3	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	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	1.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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 2020 MEAN 0.21 MAX 1.90 MIN 0.20

Vulture Mine Road, ID #47007

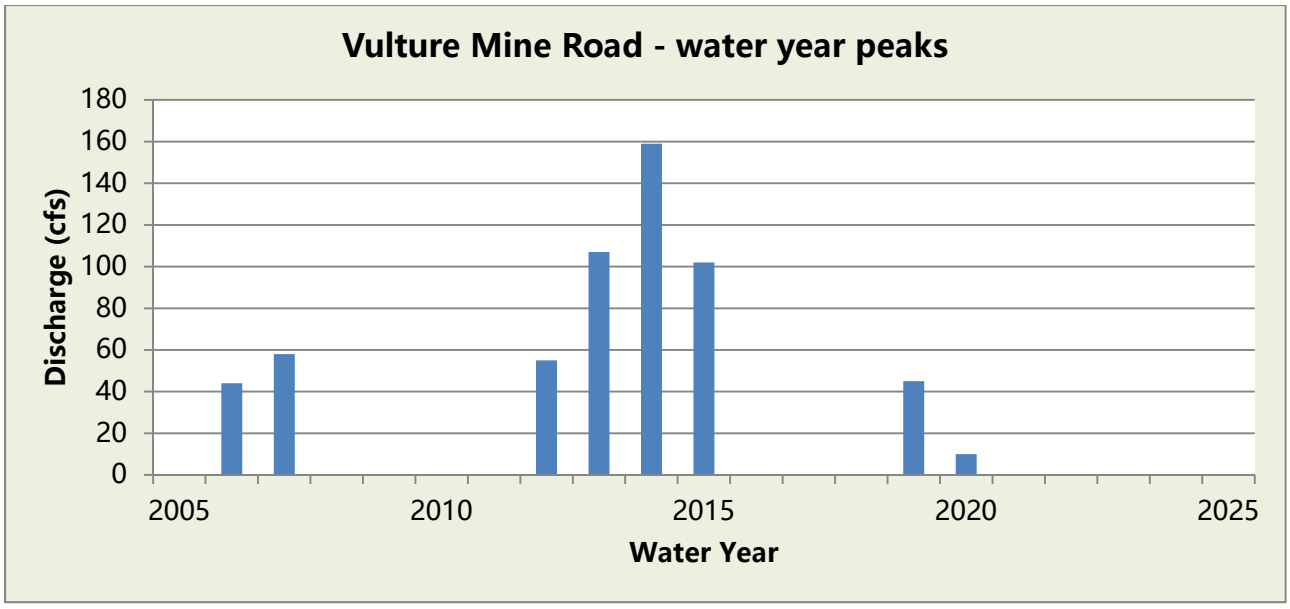


Site Data

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	14.93 Years | 5,455 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

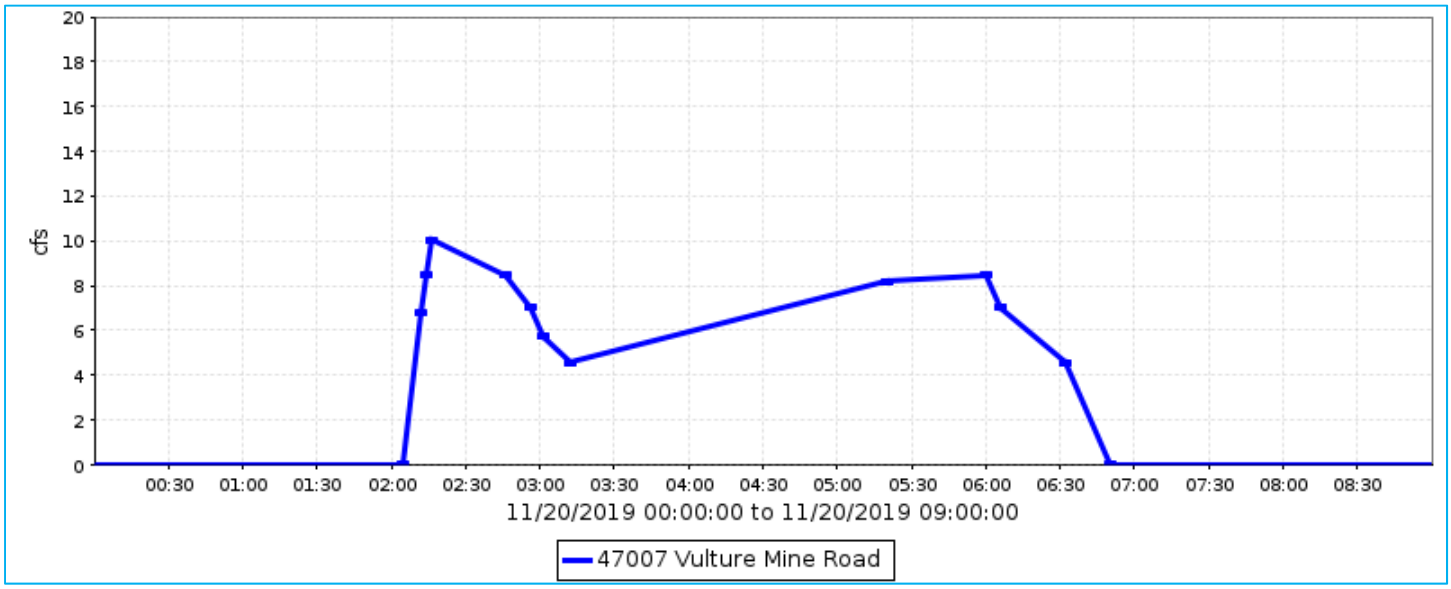




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/20/2019	1.17	10
02/11/2020	1.07	8
03/12/2020	0.92	6
03/12/2020	0.90	6
03/13/2020	1.05	8
03/13/2020	1.02	8
03/18/2020	0.95	7

Hydrograph of peak WY 2020 flow event, 11/20/2019



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 2019 to September 2020

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					1							
12	---					1						
13	---					1						
14												
15												
16												
17												
18	---					1						
19												
20		1										
21												
22												
23												
24												
25												
26		---										
27		---										
28		---										
29		---										
30		---			---							
31		---			---		---		---			---
TOTAL	0	1	0	0	1	4	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	10	0	0	8	8	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	2	0	0	1	7	0	0	0	0	0	0

WTR YR 2020 TOTAL 5 MEAN 0 MAX 10 MIN 0 AC_FT 11

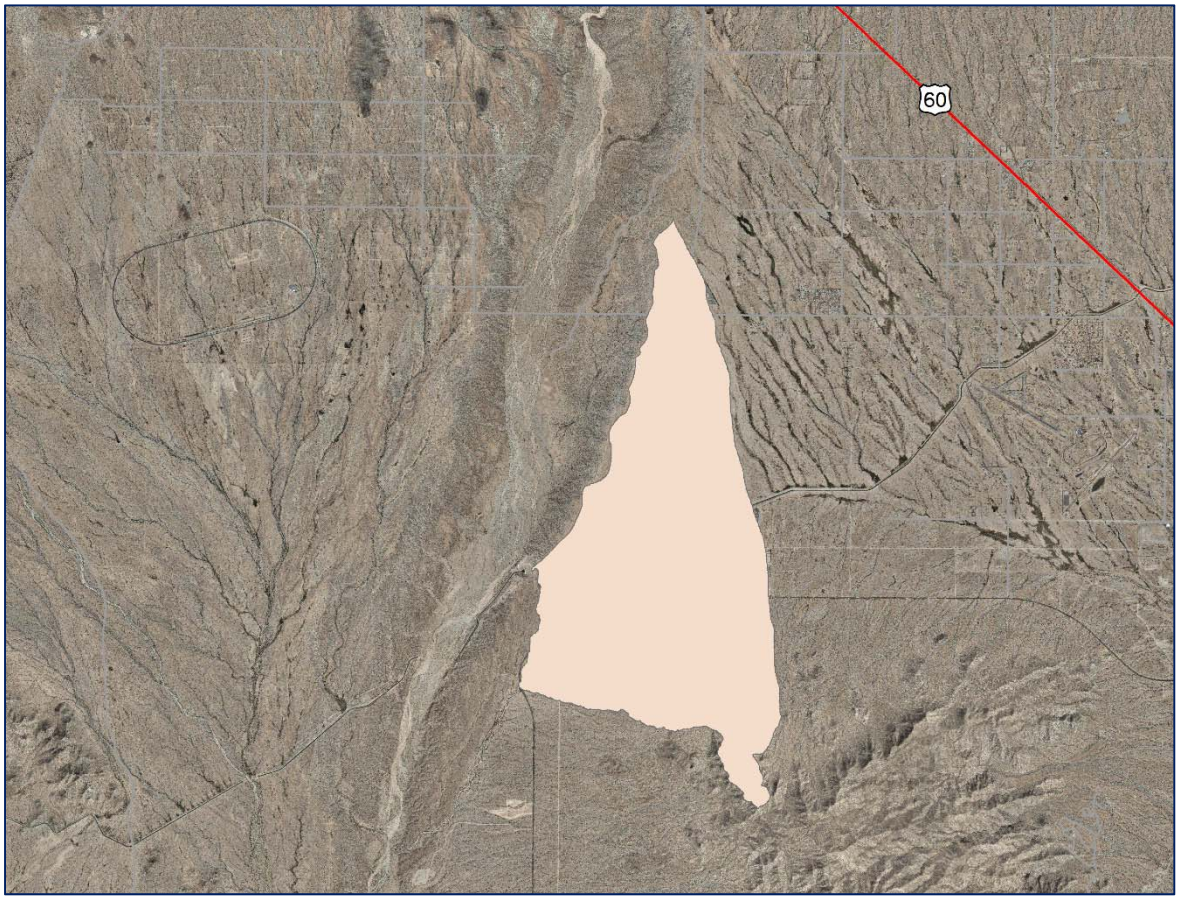
Wagner Wash at Sun Valley Parkway, ID #44707

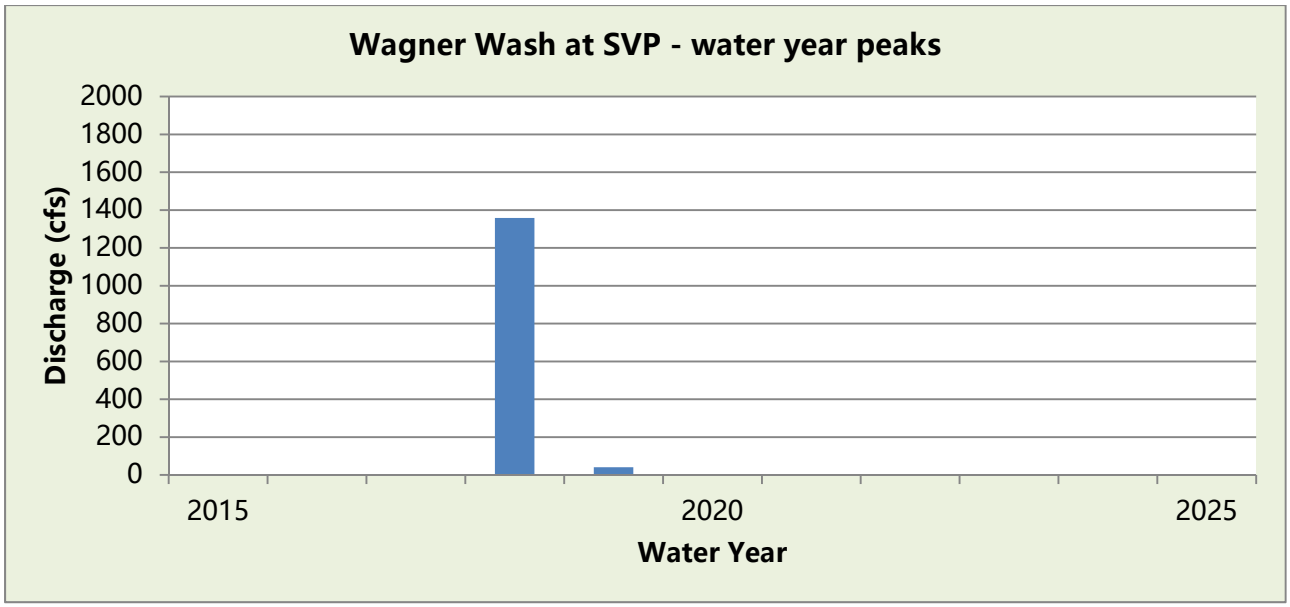


Site Data

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	3.62 Years | 1,323 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

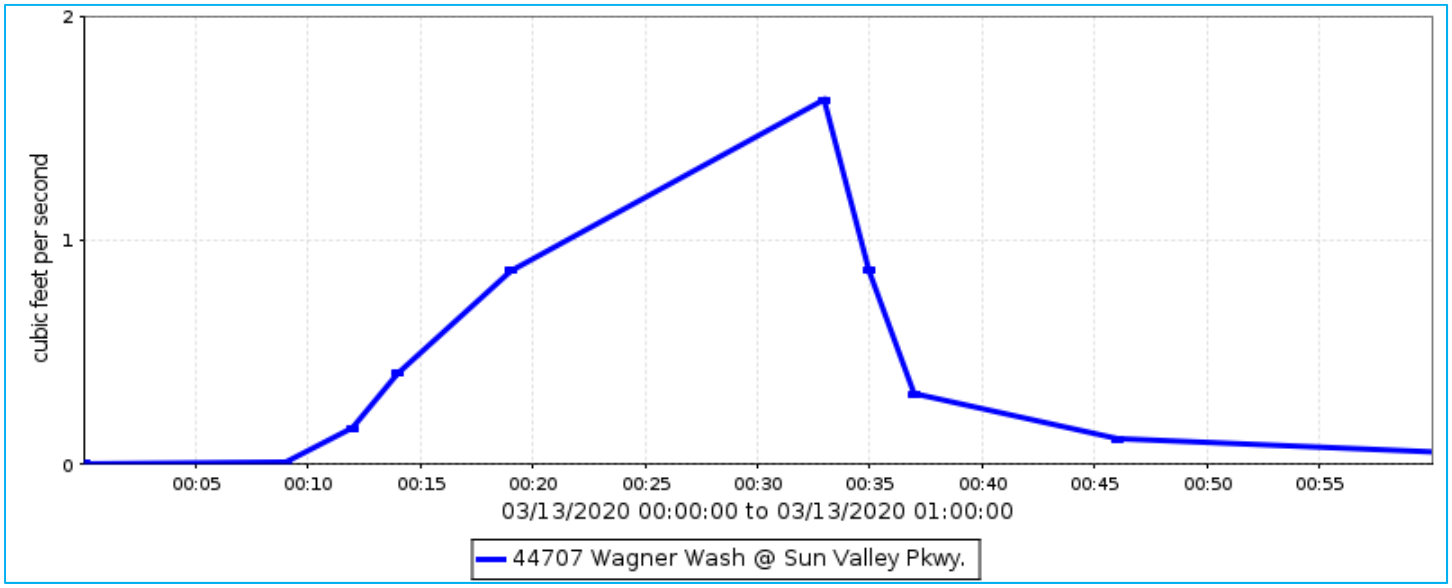




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
		`
03/13/2020	0.65	2

Hydrograph of peak WY 2020 flow event, 03/13/2020



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 2019 to September 2020

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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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	2	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 2020 TOTAL 0 MEAN 0 MAX 2 MIN 0 AC_FT 0

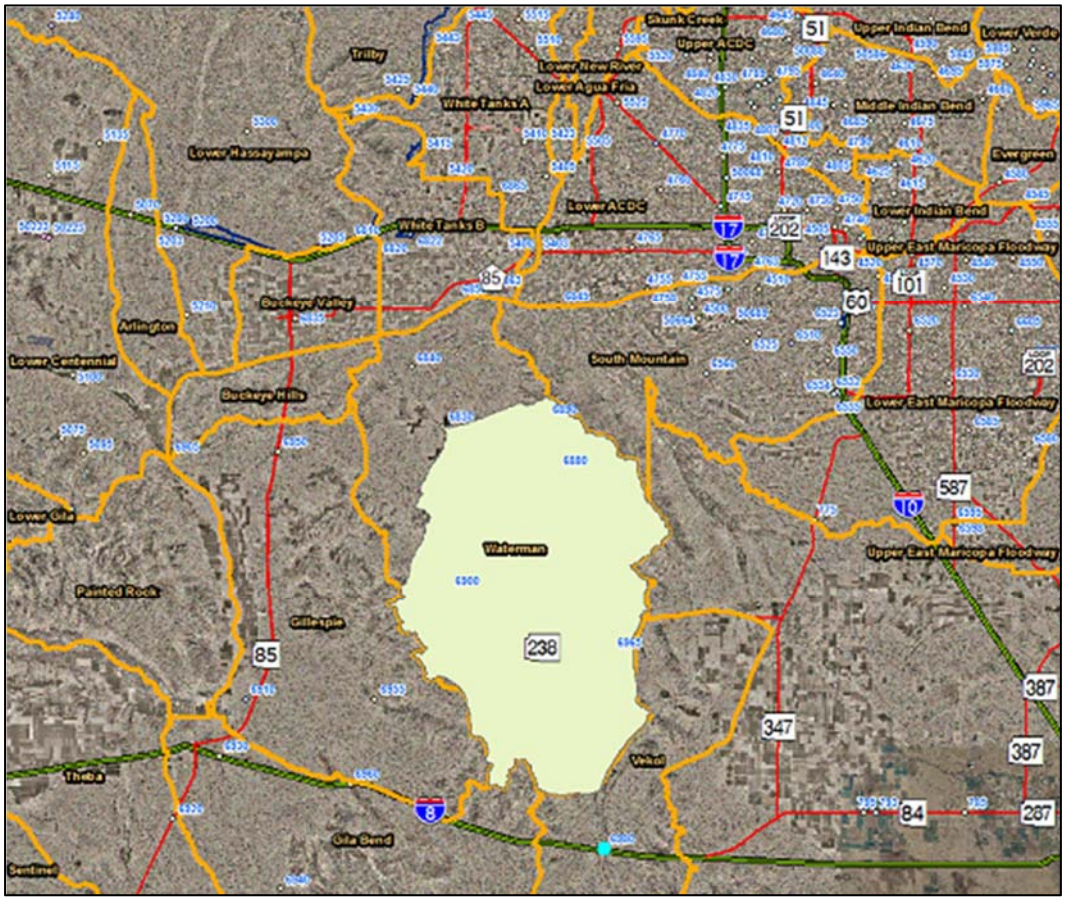
Waterman Wash at Rainbow Valley Road, ID #83307

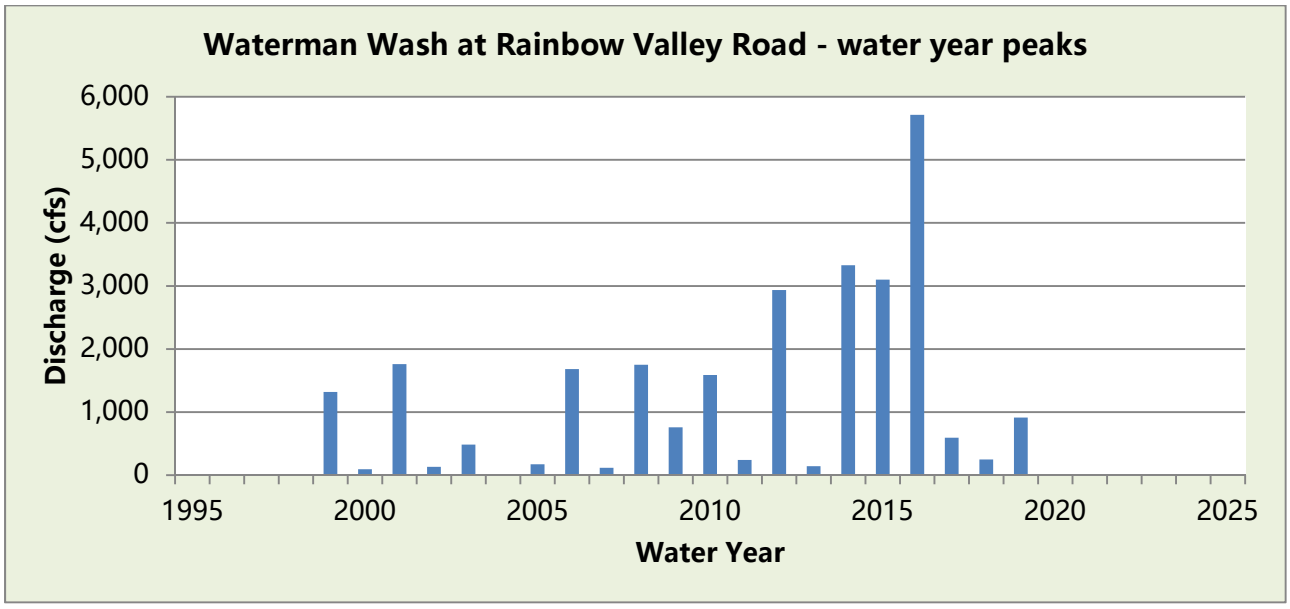


Site Data

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	21.54 Years | 7,868 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





WY2020 Events

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

Hydrograph of peak WY 2020 flow event,

No runoff recorded in Water Year 2020.

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**
661	**2,190**	**3,500**	**4,820**	**6,450**	**7,550**

NOTE: These results are based on very limited data.

Waterman Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

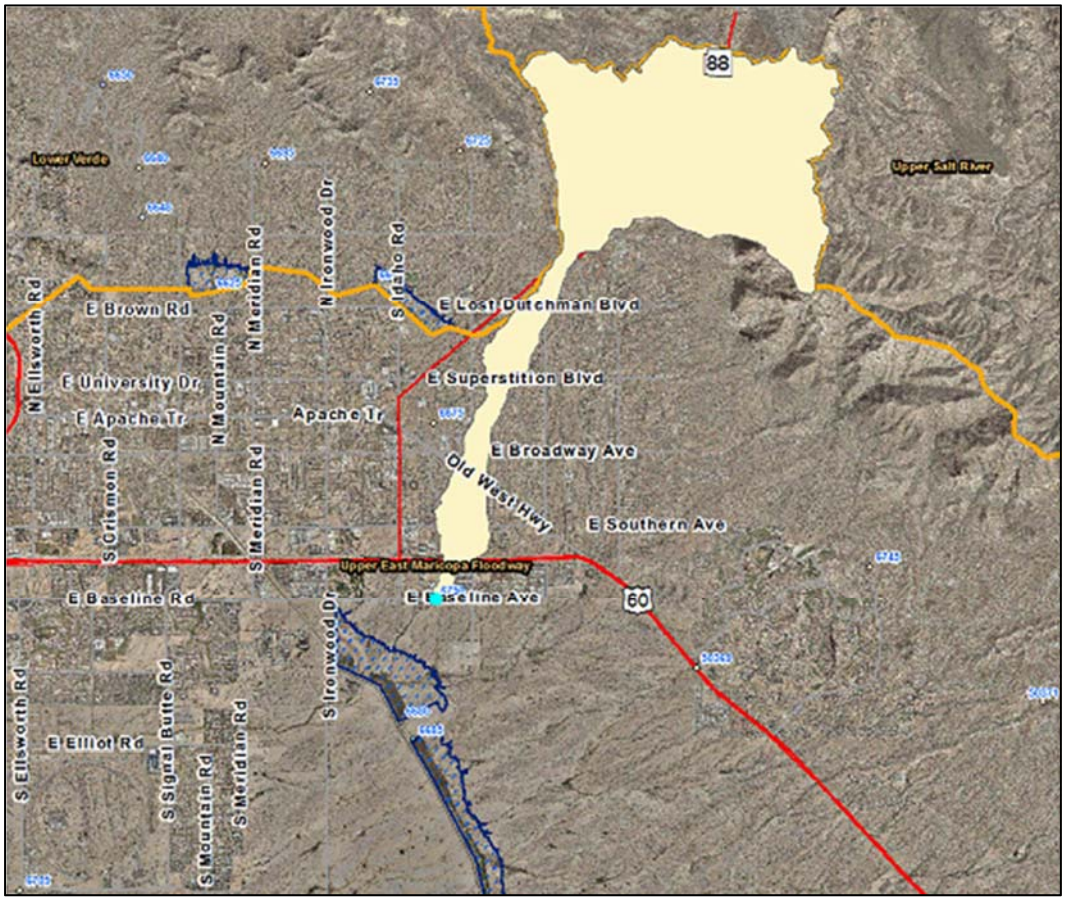
Weekes Wash at Baseline Road, ID #39207

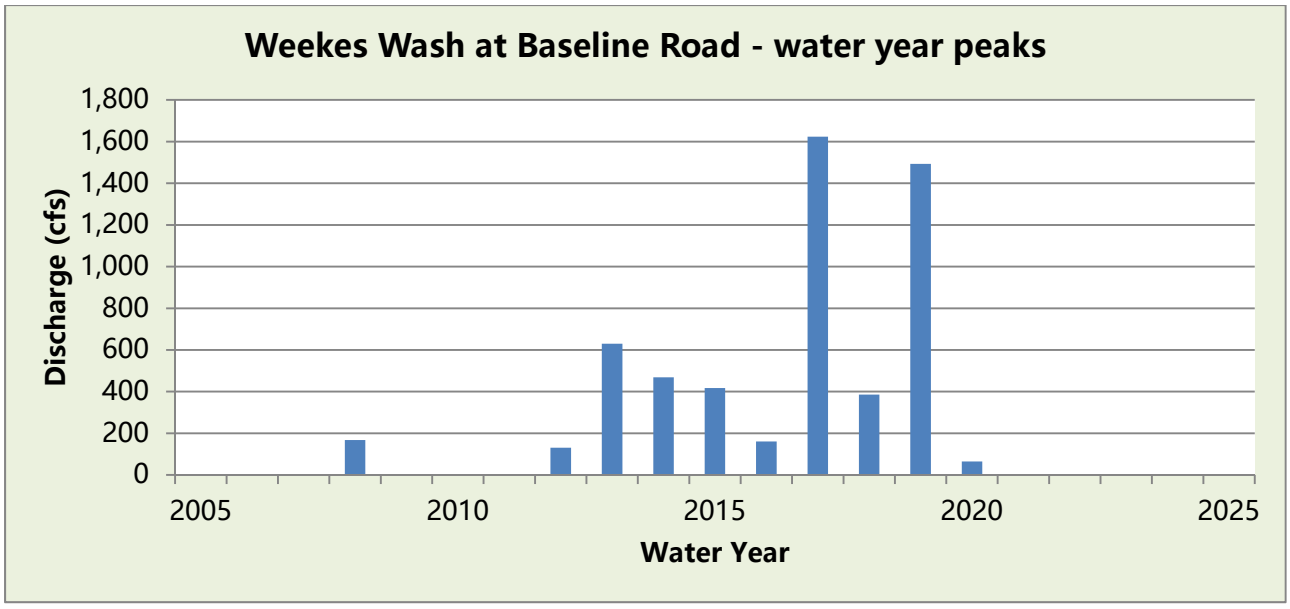


Site Data

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	12.35 Years | 4,510 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

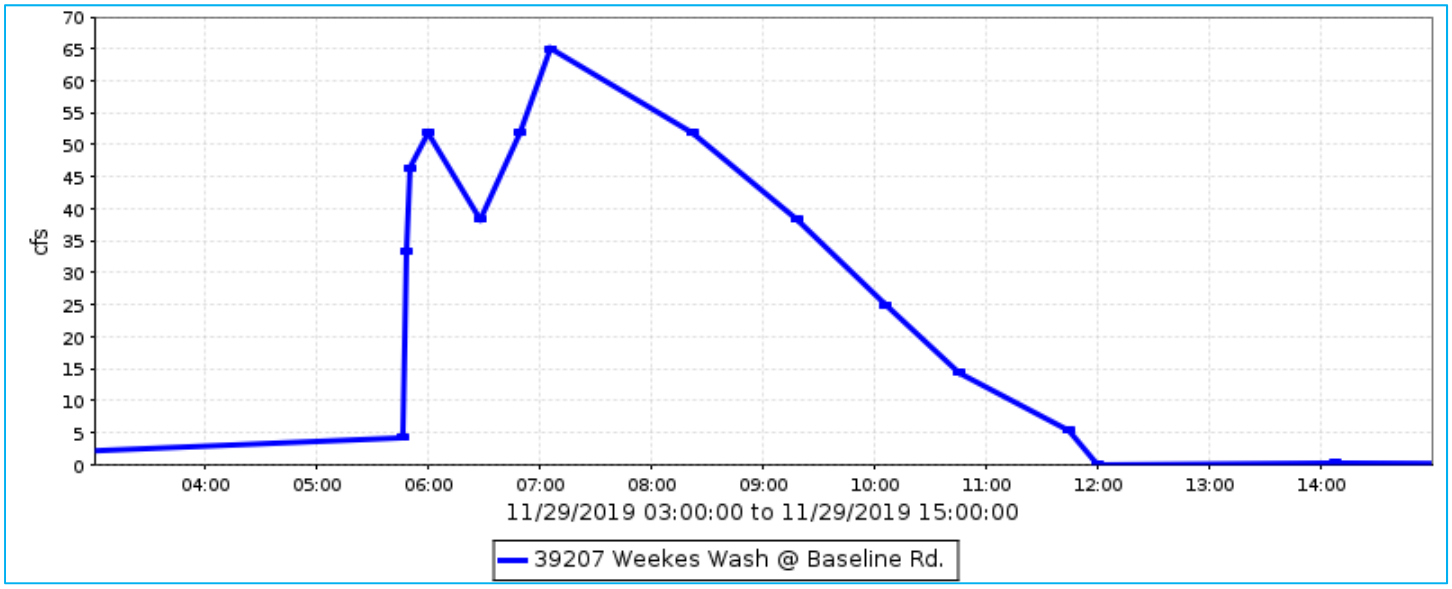




WY2020 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/19/2019	0.49	16
11/20/2019	0.84	52
11/21/2019	0.74	41
11/21/2019	0.92	60
11/29/2019	0.97	65
12/25/2019	0.84	52
12/27/2019	0.39	8
03/11/2020	0.52	19
03/13/2020	0.44	12
03/18/2020	0.47	14
08/20/2020	0.57	23
08/29/2020	0.44	12

Hydrograph of peak WY 2020 flow event, 11/29/2019



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 2019 to September 2020

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						2						
12												
13						1						
14												
15												
16												
17												
18						3						
19		1										
20		5									1	
21		9										
22												
23												
24												
25			6									
26												
27			1									
28												
29		11										
30					---							
31		---			---		---		---			---
TOTAL	0	25	7	0	0	5	0	0	0	0	2	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0
MAX	0	65	52	0	0	19	0	0	0	0	23	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	50	14	0	0	11	0	0	0	0	3	0

WTR YR 2020 TOTAL 39 MEAN 0 MAX 65 MIN 0 AC_FT 77

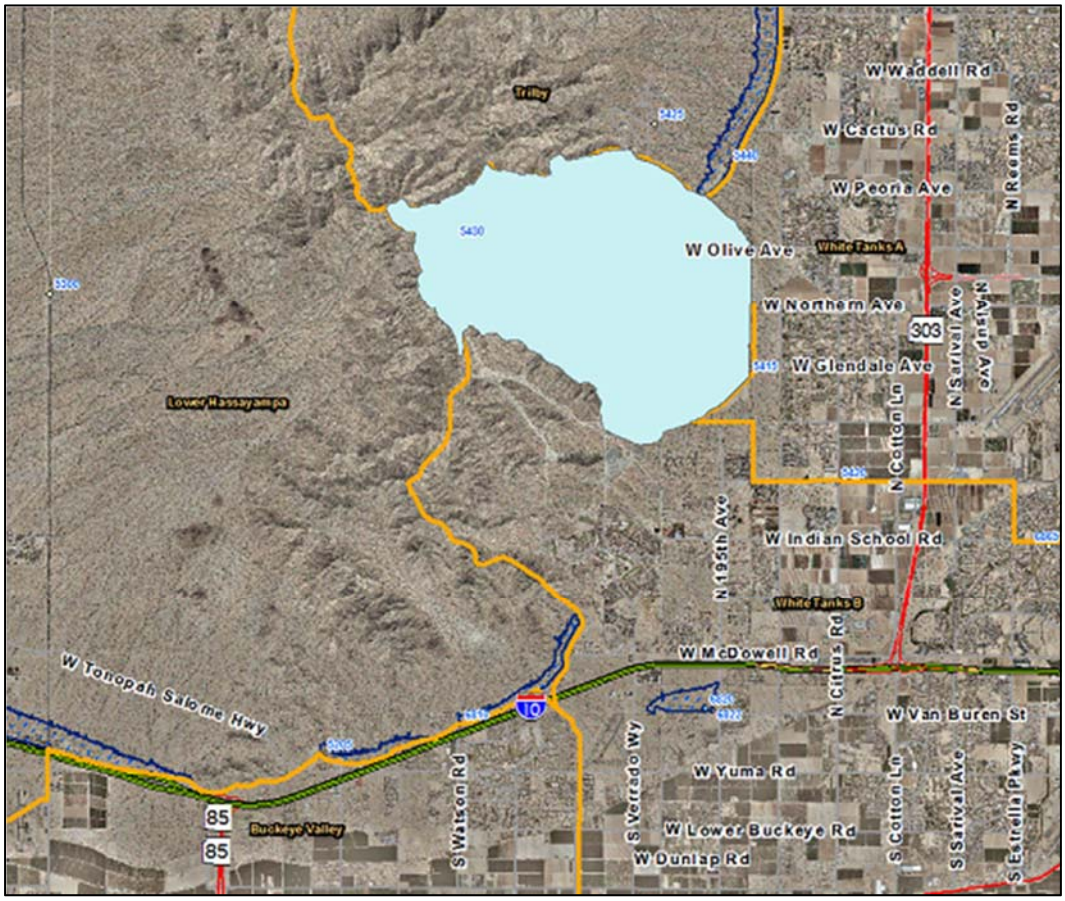
White Tanks FRS #3, ID #87307

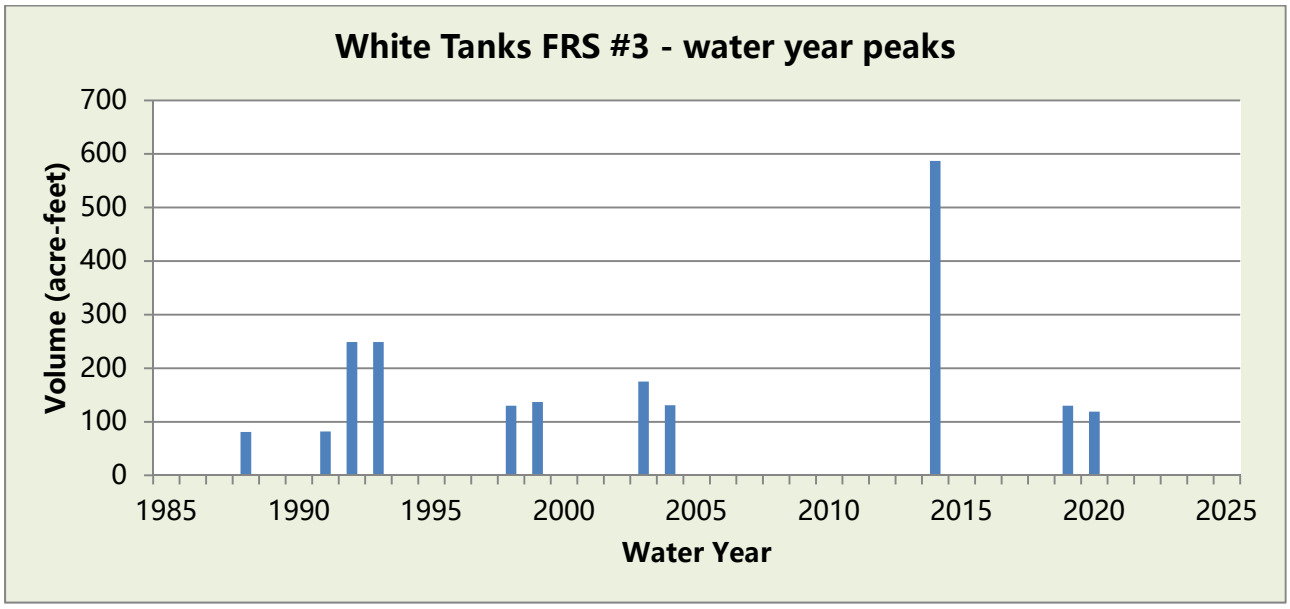


Site Data

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	32.75 Years | 11,962 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

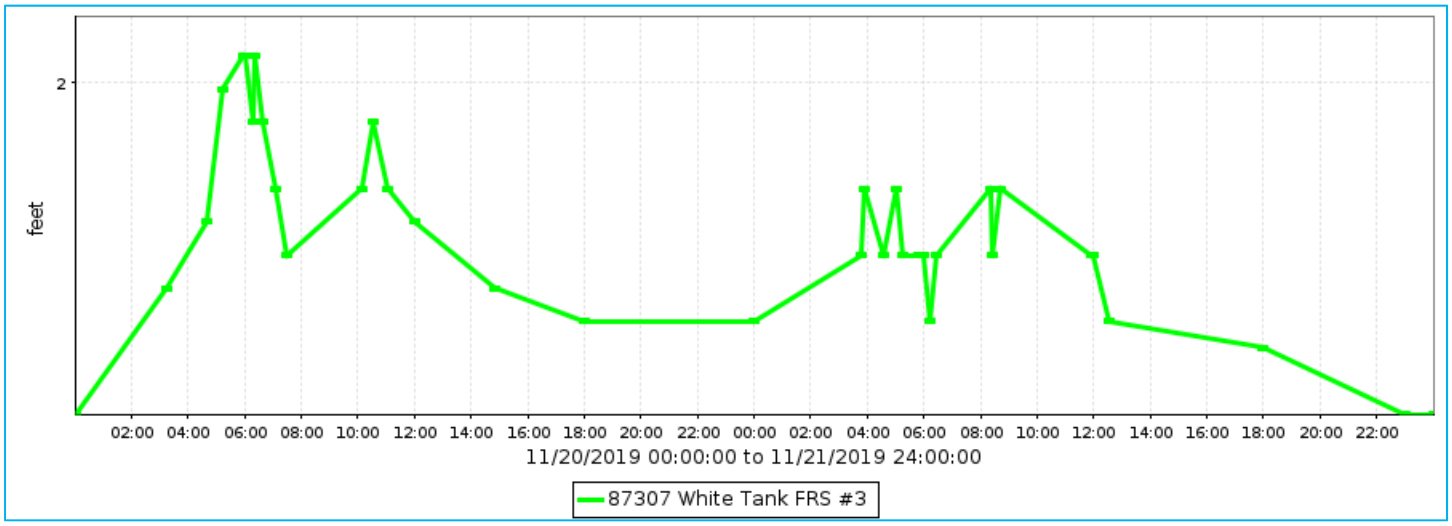




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	2.04	119.0	3.5

Hydrograph of peak WY 2020 impoundment event, 11/20/2019



White Tanks FRS #3, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

White Tanks FRS #3, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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		97										
21		106										
22										---		
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	7	0	0	0	0	0	0	0	0	0	0
MAX	0	119	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 2020 MEAN 1 MAX 119 MIN 0

White Tanks FRS #3, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	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	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	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	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
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	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
21	1.5	1.7	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
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	1.5
25	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
26	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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	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	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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 2020 MEAN 1.50 MAX 2.04 MIN 1.50

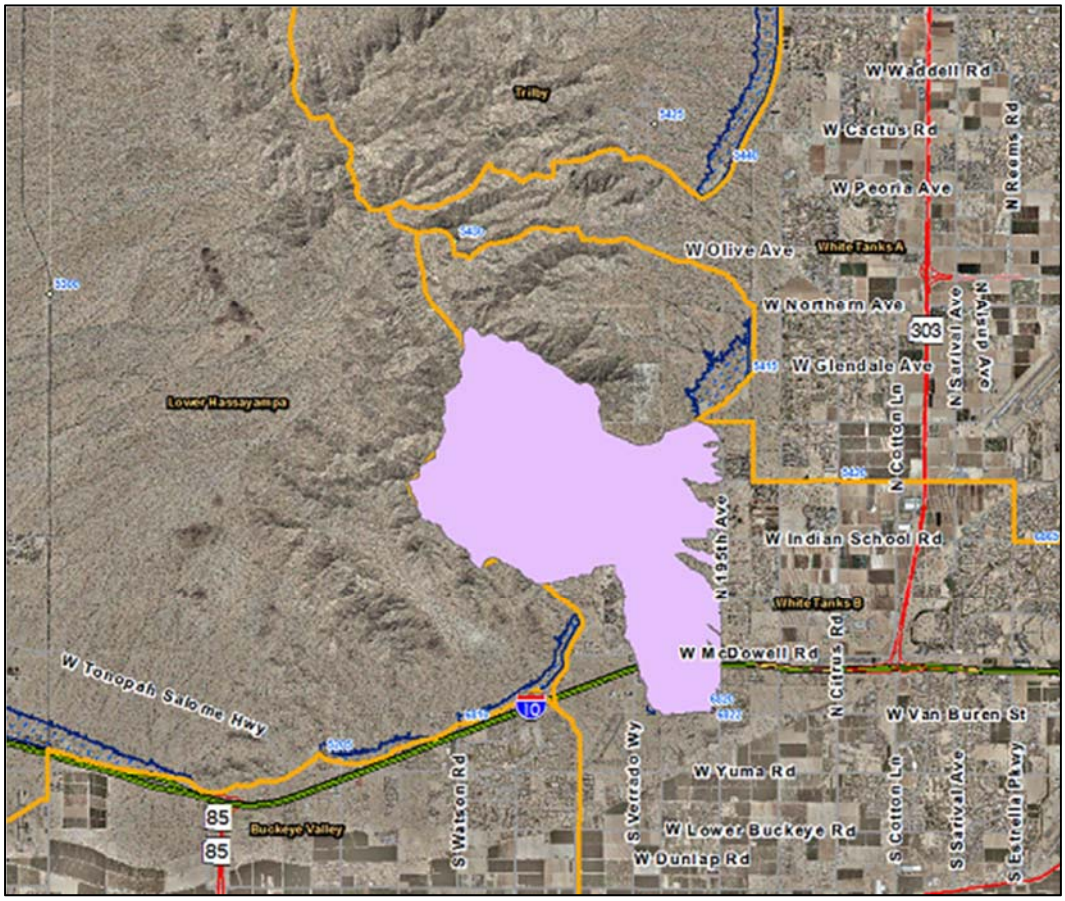
White Tanks FRS #4, ID #87807

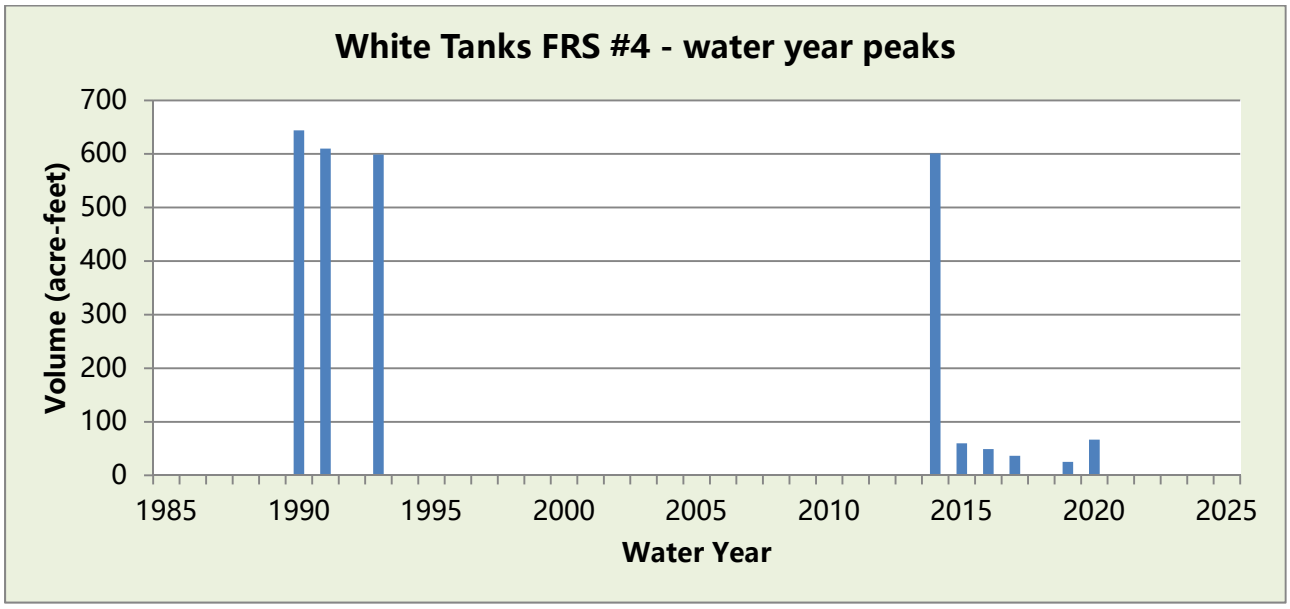


Site Data

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	33.00 Years | 12,054 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

Watershed Map

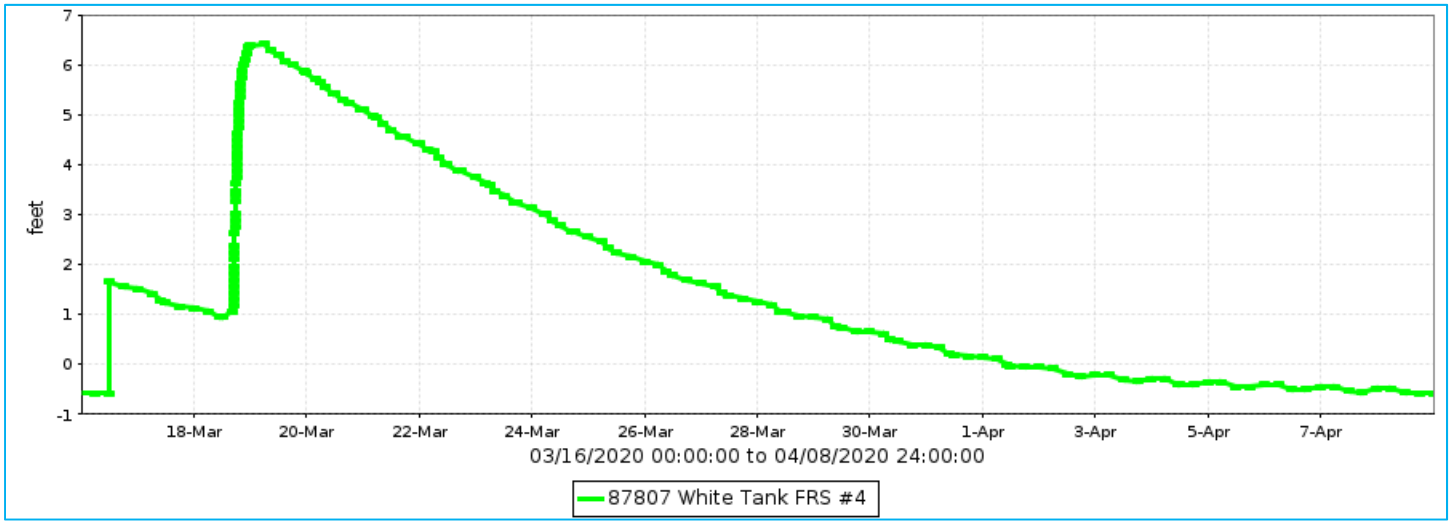




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/20/2019	0.19	0.0	0.0
11/29/2019	0.22	0.0	0.0
03/16/2020	1.65	4.6	0.4
03/19/2020	6.41	66.6	4.5
07/23/2020	0.70	0.2	0.1

Hydrograph of peak WY 2020 flow event, 03/19/2020



White Tanks FRS #4, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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 2020 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

White Tanks FRS #4, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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						2						
17						3						
18						15						
19						62						
20						48						
21						37						
22						28						
23						20						
24						14						
25						9						
26						6						
27						4						
28						2						
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	8	0	0	0	0	0	0
MAX	0	0	0	0	0	67	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 1 MAX 67 MIN 0

White Tanks FRS #4, stage data

Depth, in feet, Water Year October 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.6	-0.6	-0.4	-0.6	-0.6	-0.6	0.0	-0.6	-0.6	-0.6	-0.6	-0.6
2	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.2	-0.6	-0.6	-0.6	-0.6	-0.6
3	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.3	-0.6	-0.6	-0.6	-0.6	-0.6
4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.4	-0.6	-0.6	-0.6	-0.6	-0.6
5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.4	-0.6	-0.6	-0.6	-0.6	-0.6
6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6
7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6
8	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6
9	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
10	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
11	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
12	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
13	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
14	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
15	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
16	-0.6	-0.6	-0.6	-0.6	-0.6	0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
17	-0.6	-0.6	-0.6	-0.6	-0.6	1.3	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
18	-0.6	-0.6	-0.6	-0.6	-0.6	2.2	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
19	-0.6	-0.6	-0.6	-0.6	-0.6	6.2	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
20	-0.6	-0.1	-0.6	-0.6	-0.6	5.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
21	-0.6	-0.1	-0.6	-0.6	-0.6	4.8	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
22	-0.6	-0.5	-0.6	-0.6	-0.6	4.1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
23	-0.6	-0.6	-0.6	-0.6	-0.6	3.4	-0.6	-0.6	-0.6	-0.3	-0.6	-0.6
24	-0.6	-0.6	-0.6	-0.6	-0.6	2.9	-0.6	-0.6	-0.6	0.3	-0.6	-0.6
25	-0.6	-0.6	-0.6	-0.6	-0.6	2.3	-0.6	-0.6	-0.6	-0.2	-0.6	-0.6
26	-0.6	-0.6	-0.6	-0.6	-0.6	1.9	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6
27	-0.6	-0.6	-0.6	-0.6	-0.6	1.4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
28	-0.6	-0.6	-0.6	-0.6	-0.6	1.1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
29	-0.6	-0.0	-0.6	-0.6	-0.6	0.8	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
30	-0.6	-0.0	-0.6	-0.6	---	0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
31	-0.6	---	-0.6	-0.6	---	0.2	---	-0.6	---	-0.6	-0.6	---
MEAN	-0.6	-0.5	-0.6	-0.6	-0.6	1.0	-0.5	-0.6	-0.6	-0.5	-0.6	-0.6
MAX	-0.6	0.2	-0.3	-0.6	-0.6	6.4	0.1	-0.6	-0.6	0.7	-0.6	-0.6
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 2020 MEAN -0.45 MAX 6.41 MIN -0.60

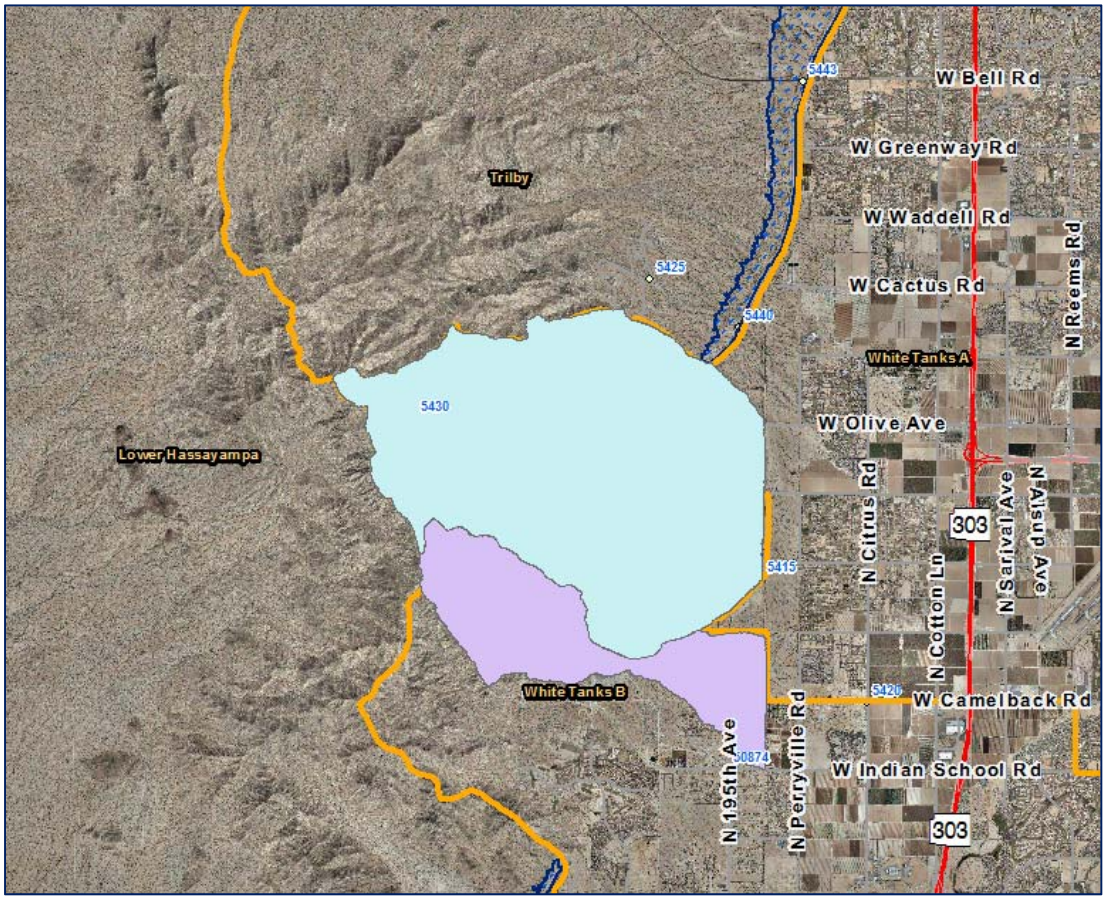
White Tank Outfall Channel, ID #87407

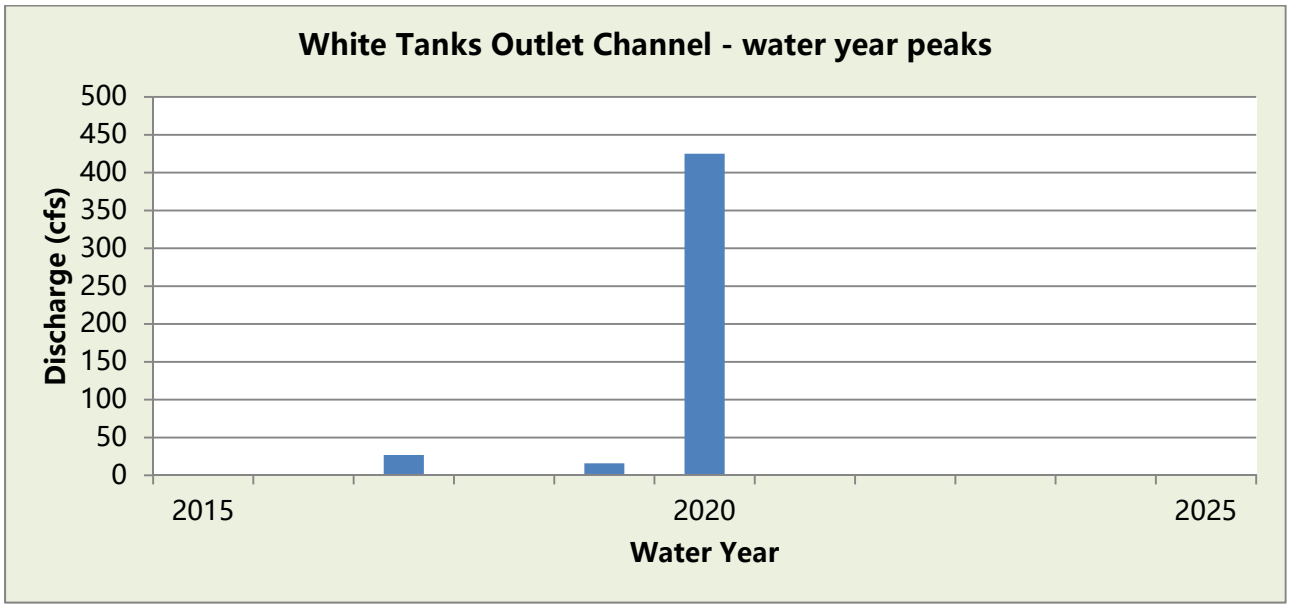


Site Data

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	3.82 Years | 1,394 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.10 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,151.71 feet NAVD88
POINT OF ZERO FLOW	1.70 feet Gage Height
EXTREME FOR PERIOD OF RECORD	425 cfs | 2.06 feet | 07/23/2020

Watershed Map

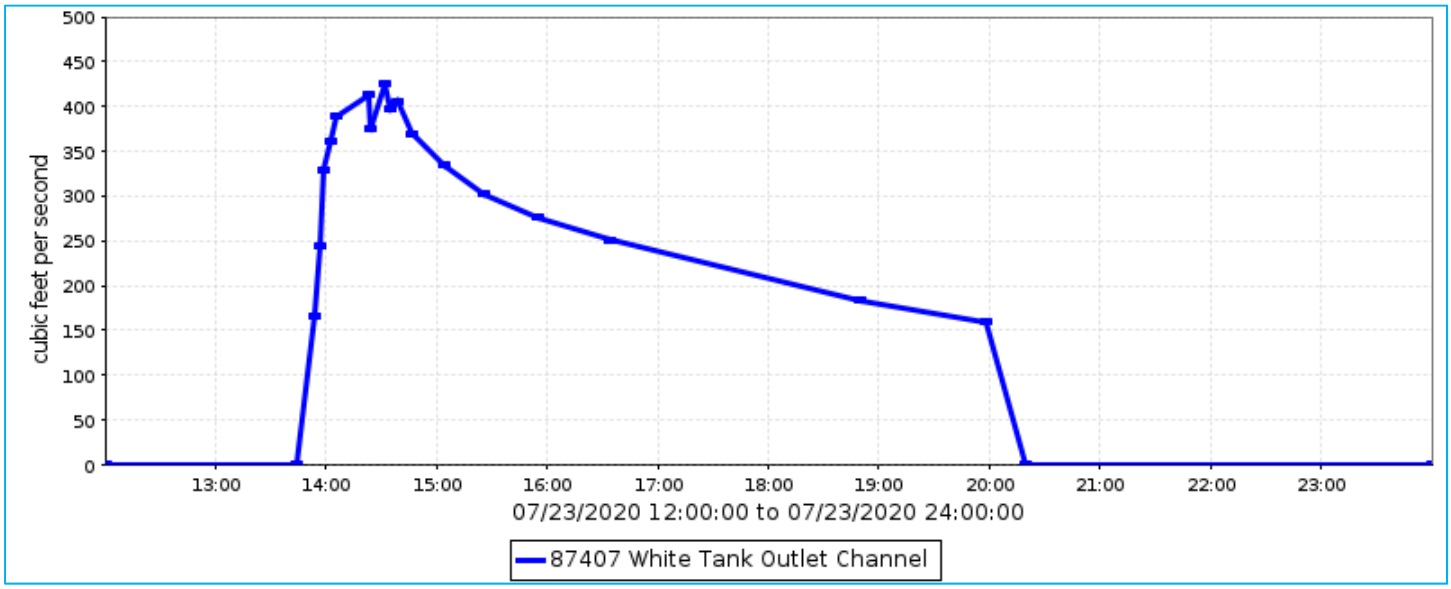




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
11/29/2019	1.36	9
03/12/2020	1.18	5
03/12/2020	1.78	23
03/13/2020	2.04	38
03/13/2020	1.41	10
03/18/2020	2.01	36
07/23/2020	2.06	425

Hydrograph of peak WY 2020 flow event, 07/23/2020



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 2019 to September 2020

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3					37							
4					37							
5												
6												
7												
8												
9												
10												
11						1						
12						121						
13						128						
14												
15												
16												
17												
18						87						
19						32						
20												
21												
22												
23										71		
24												
25												
26												
27												
28												
29		53										
30					---							
31		---			---		---		---			---
TOTAL	0	53	0	0	74	369	0	0	0	71	0	0
MEAN	0	2	0	0	3	12	0	0	0	2	0	0
MAX	0	239	0	0	148	420	0	0	0	425	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	104	0	0	147	731	0	0	0	142	0	0

WTR YR 2020 TOTAL 567 MEAN 2 MAX 425 MIN 0 AC_FT 1124

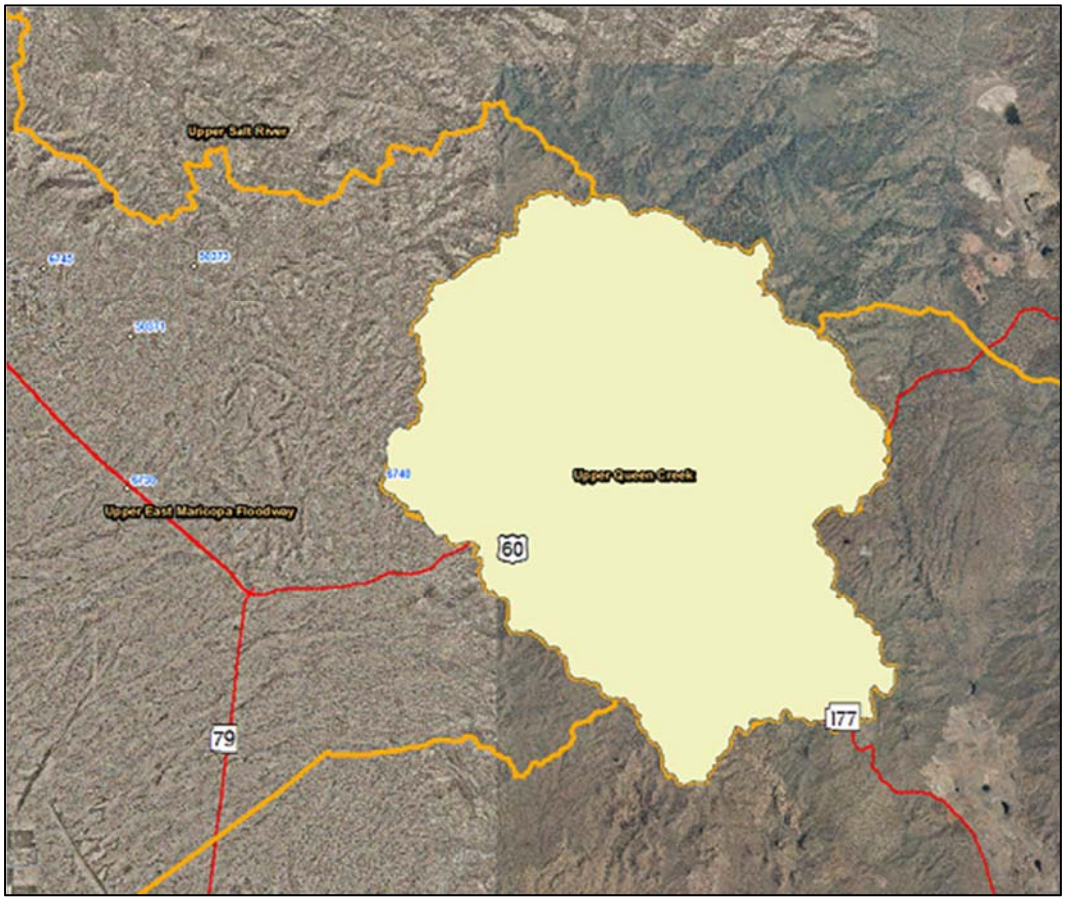
Whitlow Ranch Dam, ID #63307

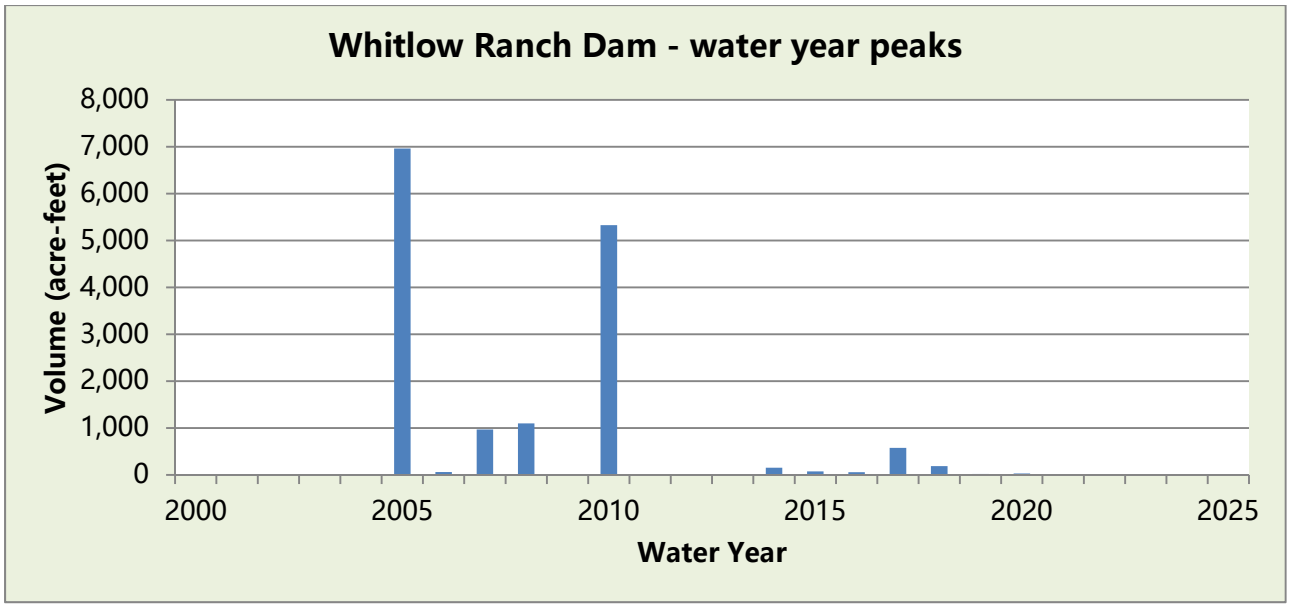


Site Data

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	20.16 Years | 7,365 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

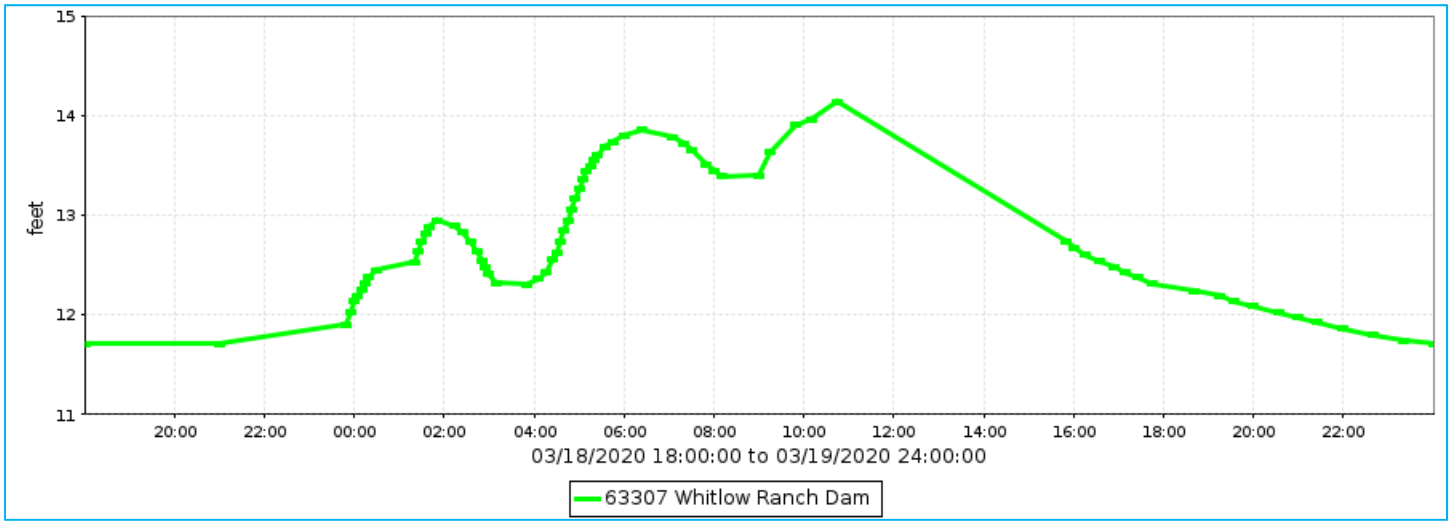




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/29/2019	12.34	20.0	0.0
12/27/2019	12.45	20.0	0.0
03/19/2020	14.14	33.0	0.3

Hydrograph of peak WY 2020 impoundment event, 03/19/2020



Whitlow Ranch Dam, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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						2						
19						311						
20												
21												
22												
23												
24												
25												
26												
27			62									
28			103									
29		98										
30					---							
31		---			---		---		---			---
TOTAL	0	98	165	0	0	313	0	0	0	0	0	0
MEAN	0	3	5	0	0	10	0	0	0	0	0	0
MAX	0	288	292	0	0	347	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	194	327	0	0	620	0	0	0	0	0	0

WTR YR 2020 TOTAL 575 MEAN 2 MAX 347 MIN 0 AC_FT 1141

Whitlow Ranch Dam, volume data

Volume, in acre-feet, Water Year October 2019 to September 2020

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						24						
20												
21												
22												
23												
24												
25												
26												
27			4									
28			7									
29		6										
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	1	0	0	0	0	0	0
MAX	0	20	20	0	0	33	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2020 MEAN 0 MAX 33 MIN 0

Whitlow Ranch Dam, stage data

Depth, in feet, Water Year October 2019 to September 2020

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	11.7	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
5	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
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
9	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	11.7	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	13.0	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	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	11.8	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
28	11.7	11.7	11.8	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
29	11.7	11.8	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	12.3	12.5	11.7	11.7	14.1	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 2020 MEAN 11.70 MAX 14.14 MIN 11.70

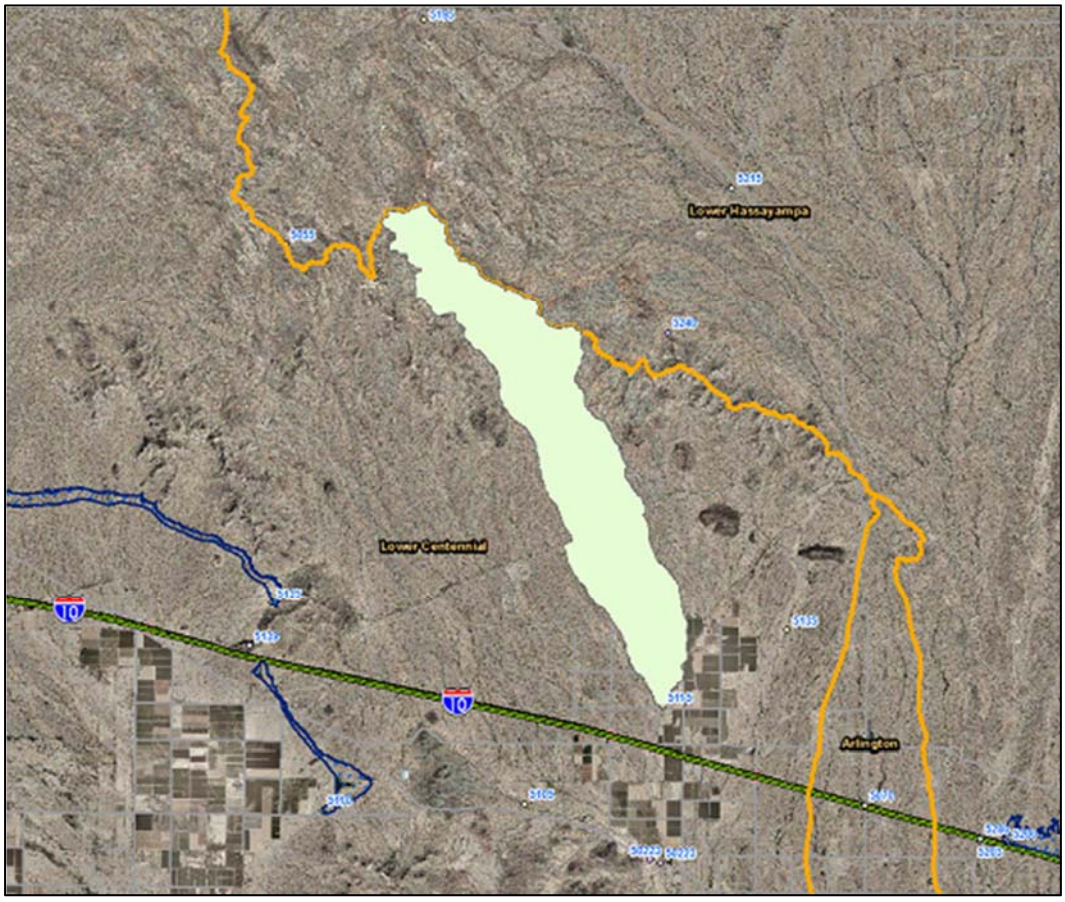
Winters Wash, ID #25507

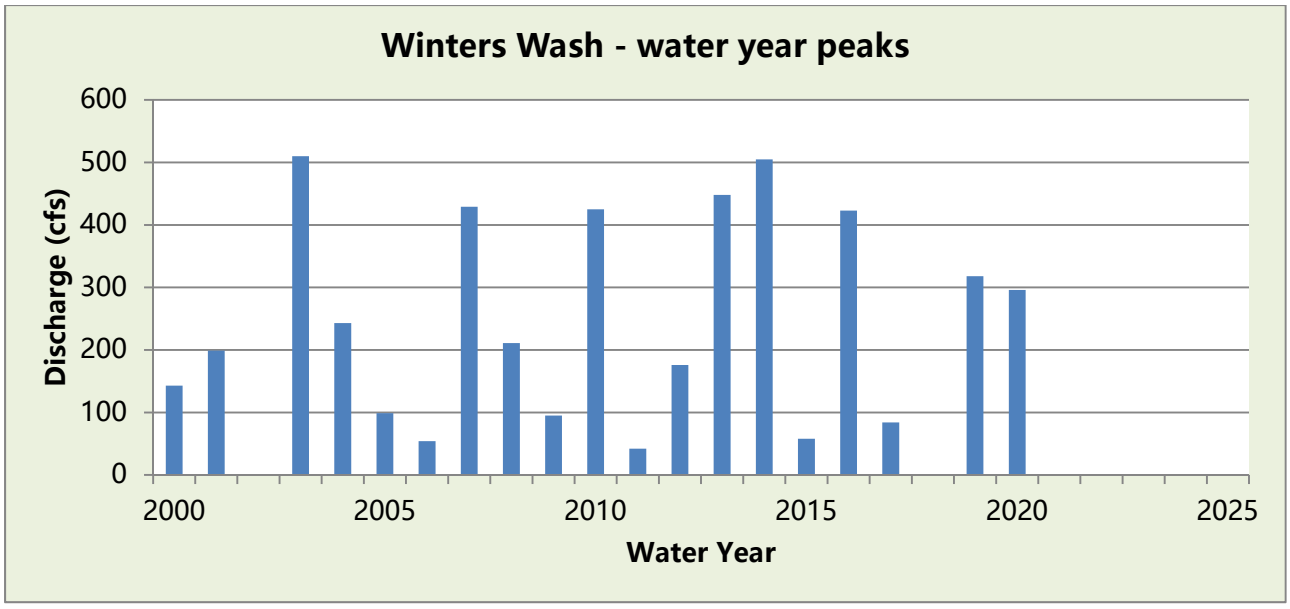


Site Data

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	20.22 Years | 7,387 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

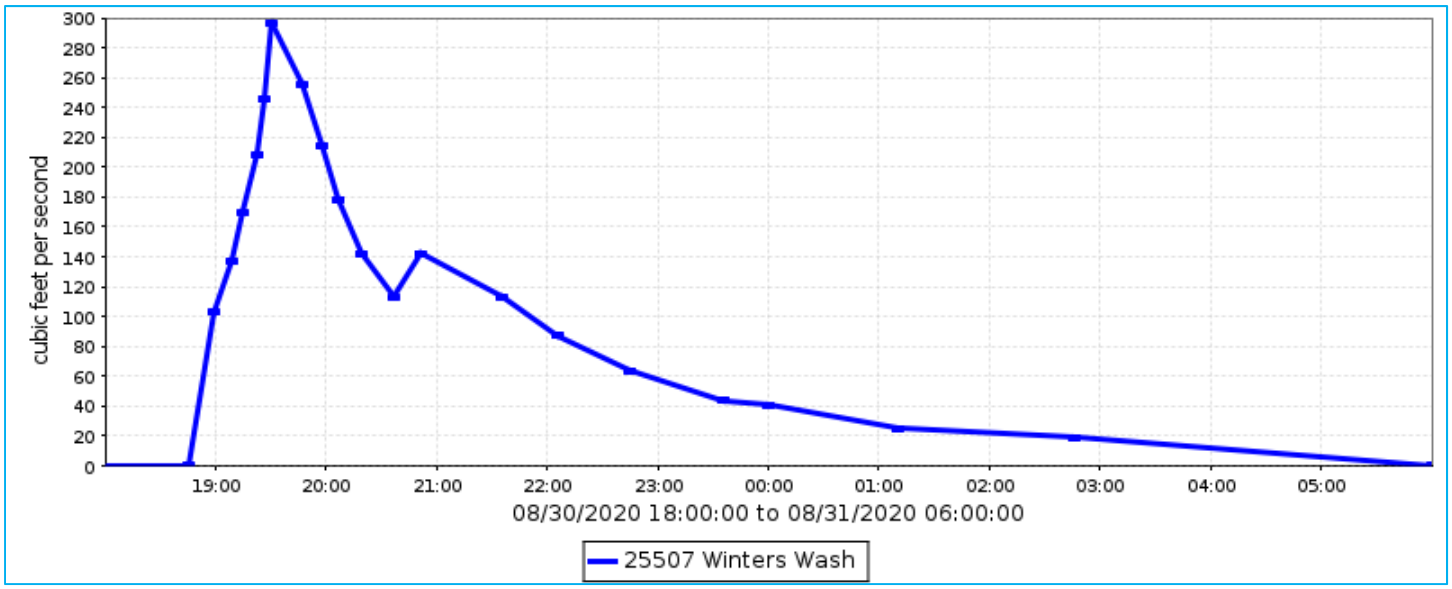




WY2020 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
03/12/2020	1.10	86
03/12/2020	1.80	279
08/30/2020	1.85	296

Hydrograph of peak WY 2020 flow event, 08/30/2020



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**
182	**362**	**498**	**634**	**817**	**955**

NOTE: These results are based on very limited data.

Winters Wash, runoff data

Discharge, in cfs, Water Year October 2019 to September 2020

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	---				4							
12	---					21						
13	---					16						
14												
15												
16												
17												
18		---										
19												
20	---											
21												
22												
23												
24												
25												
26												
27												
28												
29		5										
30					---						27	
31		---			---		---		---		4	---
TOTAL	0	5	0	0	4	36	0	0	0	0	31	0
MEAN	0	0	0	0	0	1	0	0	0	0	1	0
MAX	0	28	0	0	34	279	0	0	0	0	296	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	10	0	0	8	72	0	0	0	0	61	0

WTR YR 2020 TOTAL 76 MEAN 0 MAX 296 MIN 0 AC_FT 151

End of Report