HYDROLOGIC DATA REPORT
VOLUME II - SURFACE WATER AND STREAMFLOW DATA
WATER YEAR 2021
Revision 1, December 28, 2021



Cruff Wash Streamgage (Station 50237), south of Agua Caliente Road and west of Old US 80. Photo Date: August 17, 2021.

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 28th annual water data report published by the District. Annual reports are available for Water Years 1994 – 2021.

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 Water Year 2020. 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	206
Total Sensors deployed	216
Sensors on Streams	136
Sensors on Impoundments	70
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 28th 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 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 2021

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, WY2021

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

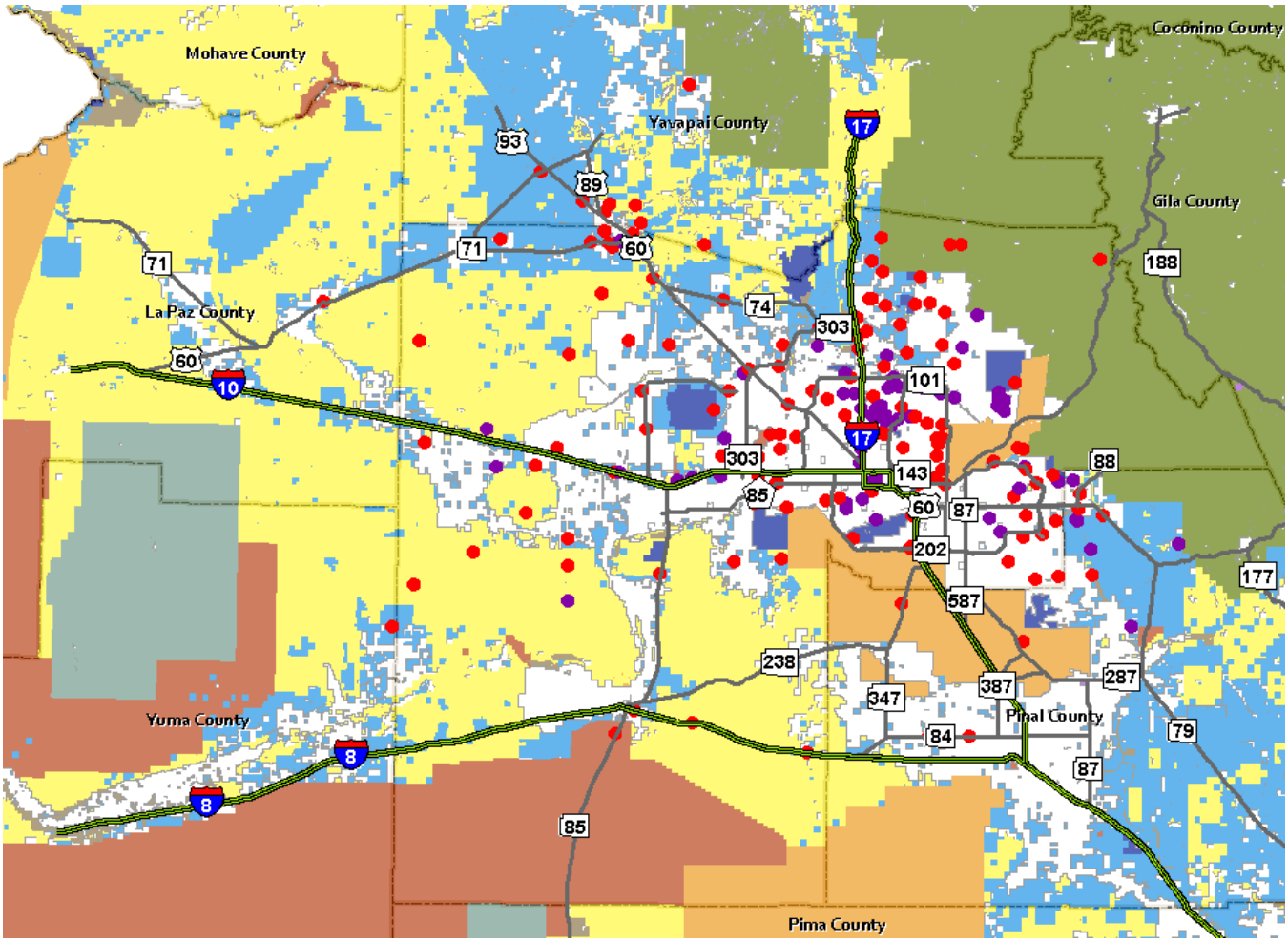
Term	Definition
Acre-foot (ac-ft or af)	The quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.
Basin	A typically man-made structure that is partially or entirely below the normal grade of land where it 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, 2020 and ending September 30, 2021, is called the "2021 Water Year."

FCDMC STREAMFLOW AND IMPOUNDMENT GAGE LOCATIONS – WY 2021



●	Streamflow Station
●	Impoundment / Storage Station

New Installations in Water Year 2021

There were no new streamgage stations established during Water Year 2021.

Table 5: New Installations

Station	ID	Date Installed	Requesting Agency
None			

Station Changes in Water Year 2021

- Skunk Creek at Desert Hills Drive was moved upstream about 100 feet in May 2021. It was also destroyed during the flood of July 23, 2001 and was out of service the remainder of the Water Year. It was reinstalled in November 2021.

Revisions To Previous Edition of This Report

- After completion of the report, the rating at Skunk Creek at Desert Hills Drive was re-evaluated and the peak for the July 23, 2021 event was revised from an estimated 8,000 cfs to 8,650 cfs at the same stage of 9.45 feet.

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	423
IBW at McDonald Drive	57207	427
IBW at Indian School Road	56507	431
IBW near McKellips Road	55707	435
IBW Interceptor Channel	56807	439
Jackrabbit Wash	45007	443
Lake Margherite	59007	447
Laveen Basin	67807	451
Magma FRS	42307	457
Martinez Creek	49507	463
McDowell Mountain Road	76007	467
McMicken Dam at Bell Road	71507	471
McMicken Dam	71707	475
McMicken Floodway	71307	481
Mineral Canyon Basin	68807	485
New River Fire	62707	491
New River at SR303L	62213	495
New River Dam Pool	62017	499
New River Dam Outlet	62007	504
New River at Bell Road	61707	508
New River at Glendale Avenue	61507	512
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	675
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	855
Tatum Wash Basin Inlet	58007	860
Tatum Wash Basin	58507	864
Tenth Street Wash Basin #1	11007	870
Tiger Wash	27007	876
Twin Buttes Wash	73207	880
University Drive at 62nd Street (Mesa) Basin	34607	884
Upper Trilby Wash	73807	890
UPRR Underpass at First Avenue	3107	894
UPRR Underpass at Central Avenue	3207	898
US60 at Gold Canyon Wash	36907	902
Vekol Wash	74507	906
Vineyard FRS	37007	910
Vulture Mine Road	47007	916
Wagner Wash at Sun Valley Parkway	44707	920
Waterman Wash at Rainbow Valley Road	83307	924
Weekes Wash at Baseline Road	39207	928
White Tanks FRS #3	87307	932
White Tanks FRS #4	87807	938
White Tank Outflow Channel	87407	944
Whitlow Ranch Dam	63307	948
Winters Wash	25507	954

SUMMARY OF SIGNIFICANT STREAMFLOW EVENTS

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

In summary, Water Year 2021, like Water Year 2020 was a year of significant contrast. Water Year 2020 ended a record dry summer monsoon that continued into the Winter of calendar year 2020 and through the first half of calendar year 2021. With the onset of the 2021 monsoon season, significant rainfall began in earnest in mid-July. There were rainfall events as early as July 1 with several small rain/runoff events happening through the first three weeks of July. However, an unusually strong weather pattern set up for the period of July 21 – 27 and included many days of rain, with many significant and record runoff events, especially in the northeast portion of Maricopa County affecting the Skunk Creek and New River watersheds. Following this wet period there was a couple weeks of dry weather. Not until the period of August 10 – 18 did additional significant rainfall and runoff occur. Runoff was rather widespread in this period with many stream gages measuring flow.

As a contrast, the winter season recorded 66 events among all the stream stations, whereas during the summer season, there were 708 events recorded among all the stream stations.

Stations recording flow in winter:	28	13.6 %
Stations with no flow in winter:	178	86.4 %
Stations recording flow in summer:	174	84.5 %
Stations with no flow in summer:	32	15.5 %

Thirty-two stations recorded no runoff in Water Year 2021.

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

Maximum Flows for Water Year 2021 at Selected FCDMC Water Level Sensor Locations

Red values are peaks of record

Location	Discharge (cfs)	Stage (feet)	Date
New River Fire (62707)	15,962	7.88	07/23/2021
Sand Tank Wash at I-8 (40007)	**14,000 (est)**	**7.69**	**08/14/2021**
Skunk Creek at Carefree Hwy (65707)	**11,278**	**6.78**	**07/23/2021**
Skunk Creek at I-17 (65807)	9,429	5.74	07/23/2021
Skunk Creek at Desert Hills Drive (64807)	**8,650**	**9.45**	**07/23/2021**
Agua Fria River at Buckeye Rd (85307)	6,176	1.32	07/25/2021
New River at SR303L (62213)	**5,483**	**5.46**	**07/23/2021**
Cave Creek at Cactus Rd (11807)	**5,183**	**12.66**	**08/14/2021**
Cave Creek at Cave Creek (19007)	5,178	7.65	08/18/2021
Salt River at Priest Drive (67307)	5,057	6.18	07/23/2021
New River at Glendale Ave (61507)	3,845	4.85	08/14/2021
Salt River below Granite Reef (75307)	3,763	10.84	08/12/2021
Hassayampa River at US60 (45707)	3,683	2.47	08/18/2021
East Fork Cave Creek near 7th Ave (8507)	3,610	7.08	07/23/2021
Skunk Creek at Dixileta Drive (64907)	**3,186**	**6.78**	**07/23/2021**
ACDC at 43rd Avenue (11307)	3,015	4.48	08/14/2021
Cave Creek at Ashdale R.S. (21307)	2,736	8.03	07/29/2021
Cline Creek (66007)	2,694	6.90	07/23/2021
Cave Creek near Cave Creek (20507)	2,575	4.57	08/18/2021
Indian Bend Wash at Indian School Rd (56507)	2,359	4.33	07/23/2021
ACDC at 67th Avenue (13807)	2,251	6.25	8/14/2021
Sonoqui Wash near Hawes Road (36307)	**2,237**	**7.10**	**08/17/2021**
Flying E Wash (51707)	2,214	4.44	08/01/2021
Skunk Tank Wash (64707)	**1,278**	**7.63**	**07/23/2021**
Sonoran Wash (65907)	**1,131**	**5.72**	**07/25/2021**
Many other runoff events in this range.			
Deadman Wash at SR303L (62107)	**749**	**1.75**	**08/12/2021**
Desert Hills Wash (19307)	**383**	**1.37**	**07/23/2021**
Blue Tank Wash (52707)	**238**	**1.34**	**07/31/2021**

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

Maximum Impoundments for Water Year 2021 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)	585	10.72	499.2	2.6	07/23/2021
Aspen Dam (78707)	**158**	**9.03**	**22.4**	**12.2**	**08/13/2021**
Baseline Rd at 43rd Ave Basin (66407)	**---**	**3.48**	**3.4**	**7.6**	**08/14/2021**
Cave Buttes Dam Pool (19517)	181	14.26	129.3	0.3	08/19/2021
Golden Eagle Park Dam (78007)	970	13.00	17.5	17.4	08/13/2021
Grand Ave at 27th Ave Basin (3807)	---	4.22	14.4	38.9	08/14/2021
Hesperus Dam (79007)	**202**	**11.28**	**11.3**	**4.1**	**08/13/2021**
Magma FRS (42307)	94	12.51	650.8	11.7	07/05/2021
New River Dam Pool (62017)	316	6.63	260.3	0.6	07/24/2021
North Heights Dam (78207)	**250**	**18.47**	**30.3**	**22.0**	**08/13/2021**
Paradise Ln at 33rd Drive Basin (12407)	56	3.54	39.9	47.2	08/14/2021
Paradise Ln at 47th Avenue Basin (13707)	---	3.26	29.2	72.5	08/13/2021
Phoenix Zoo Dam #5 (4407)	---	9.00	10.0	103.8	07/22/2021
Rittenhouse FRS (37207)	115	11.66	789.0	19.9	08/17/2021
Roeser Rd at 23rd Ave Basin (66807)	**---**	**3.32**	**37.7**	**27.7**	**08/14/2021**
Signal Butte FRS (79507)	0	9.43	128.0	7.8	08/17/2021
Spookhill FRS (74707)	**56**	**8.50**	**359.7**	**12.8**	**08/14/2021**
Stoneridge Dam (77307)	**71**	**10.48**	**9.0**	**13.6**	**08/13/2021**
Sunridge Canyon Dam (77507)	137	7.50	0.1	0.3	08/13/2021
Vineyard FRS (37007)	85	4.26	934.0	20.0	08/17/2021
Whitlow Ranch Dam (63307)	537	31.26	1,139.0	5.6	08/15/2021

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.

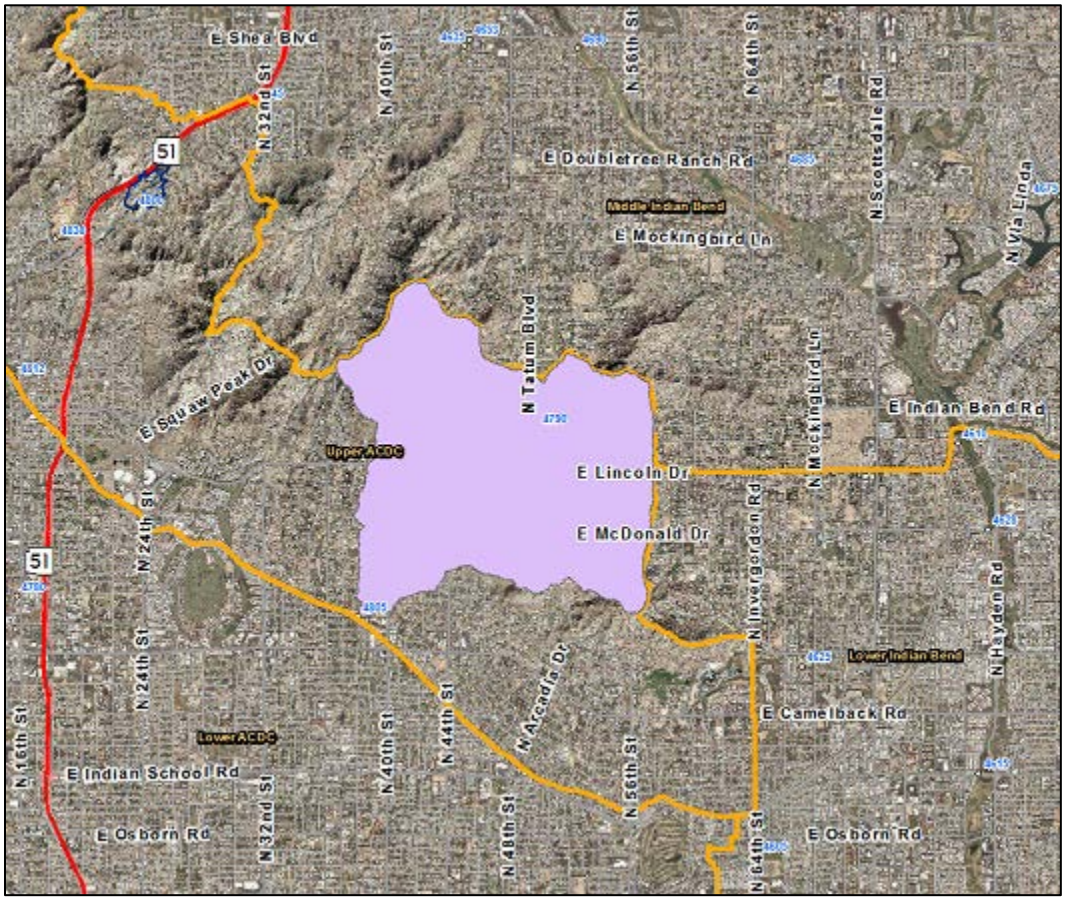
Arizona Canal Diversion Channel at 36th Street, ID #10007

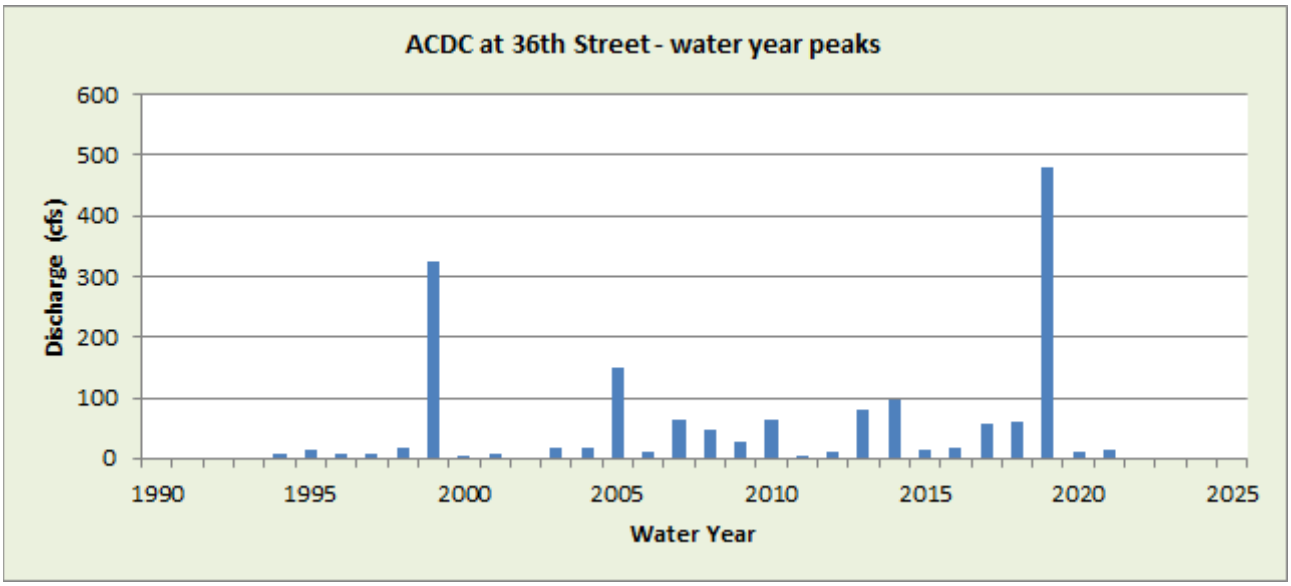


Site Data

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	27.60 Years | 10,081 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

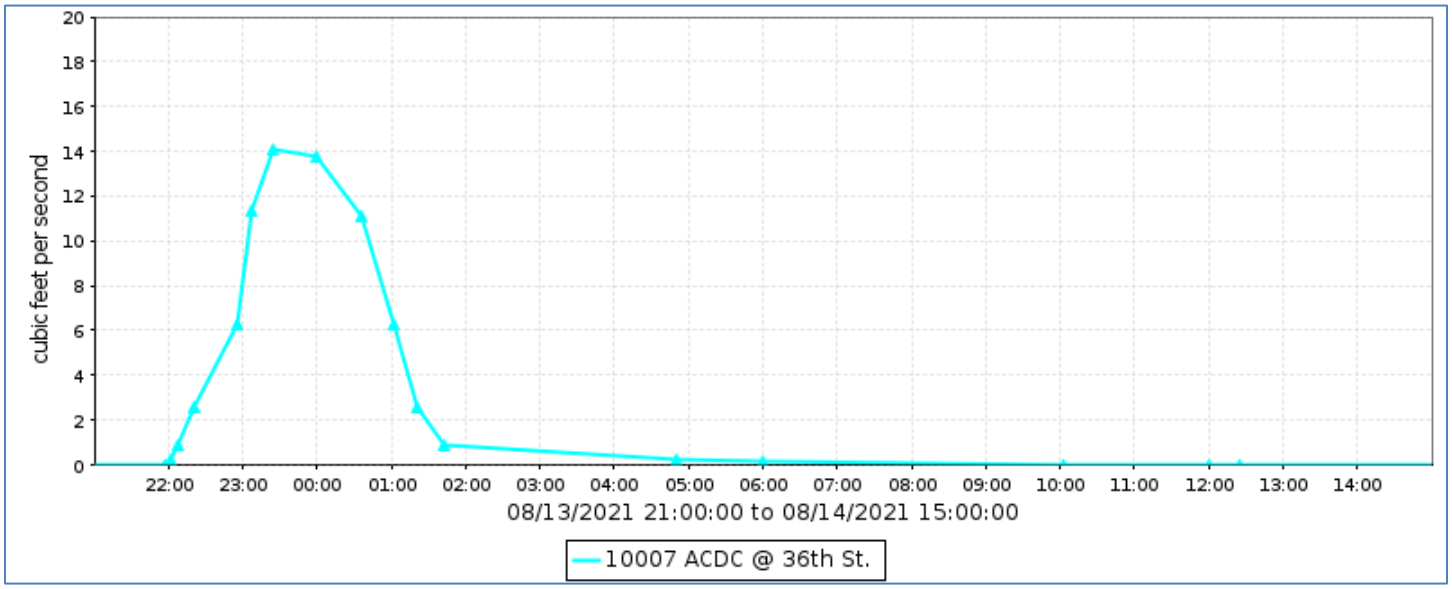




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
12/10/2020	0.54	3
01/25/2021	0.54	3
07/21/2021	0.99	3
07/25/2021	1.12	5
08/13/2021	1.62	14

Hydrograph of peak WY 2021 flow event, 08/13/2021



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
22	**69**	**132**	**237**	**475**	**775**

ACDC at 36th Street, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 3 MEAN 0 MAX 14 MIN 0 AC_FT 5

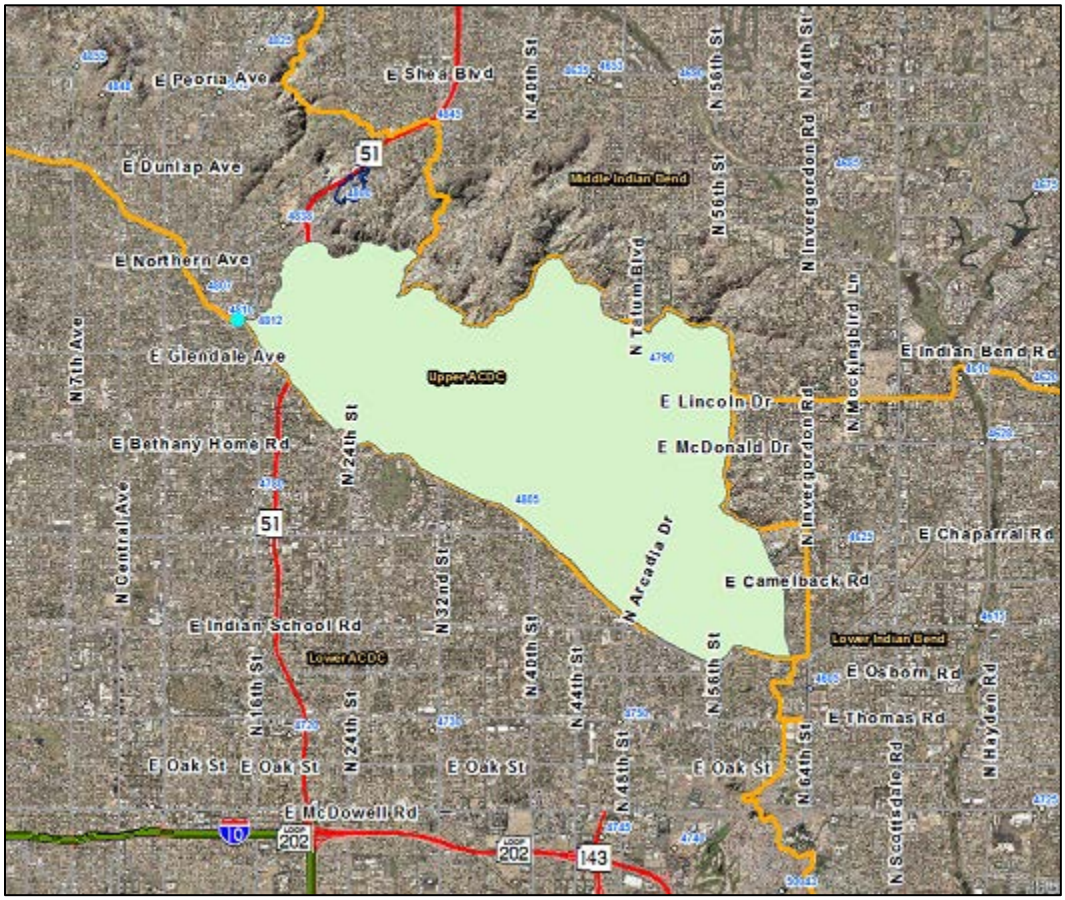
Arizona Canal Diversion Channel at 14th Street – ID #10507

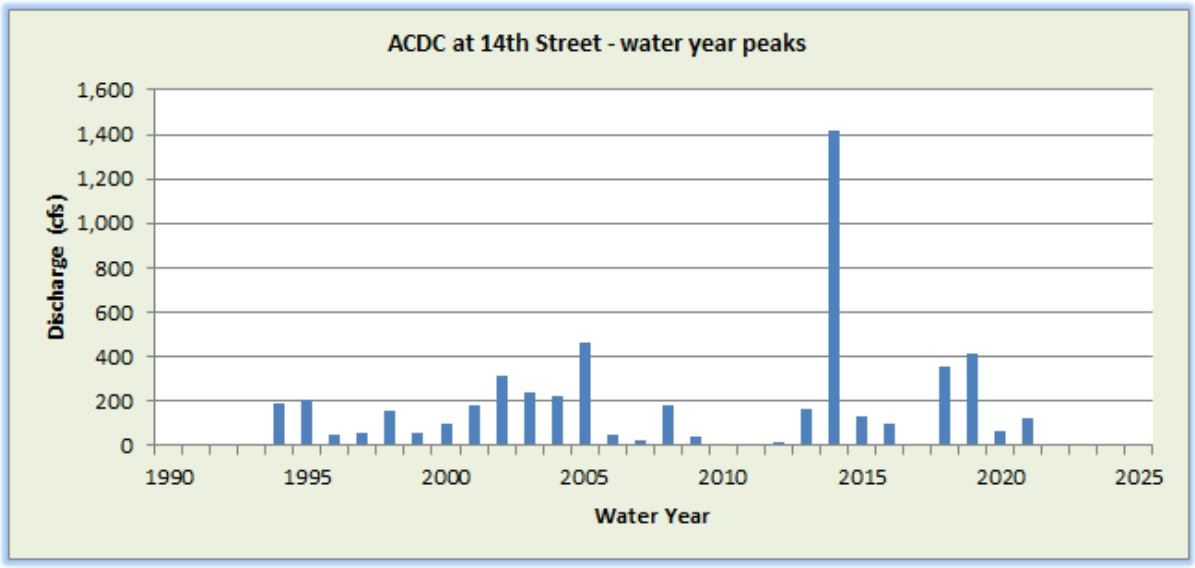


Site Data

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	27.64 Years | 10,096 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

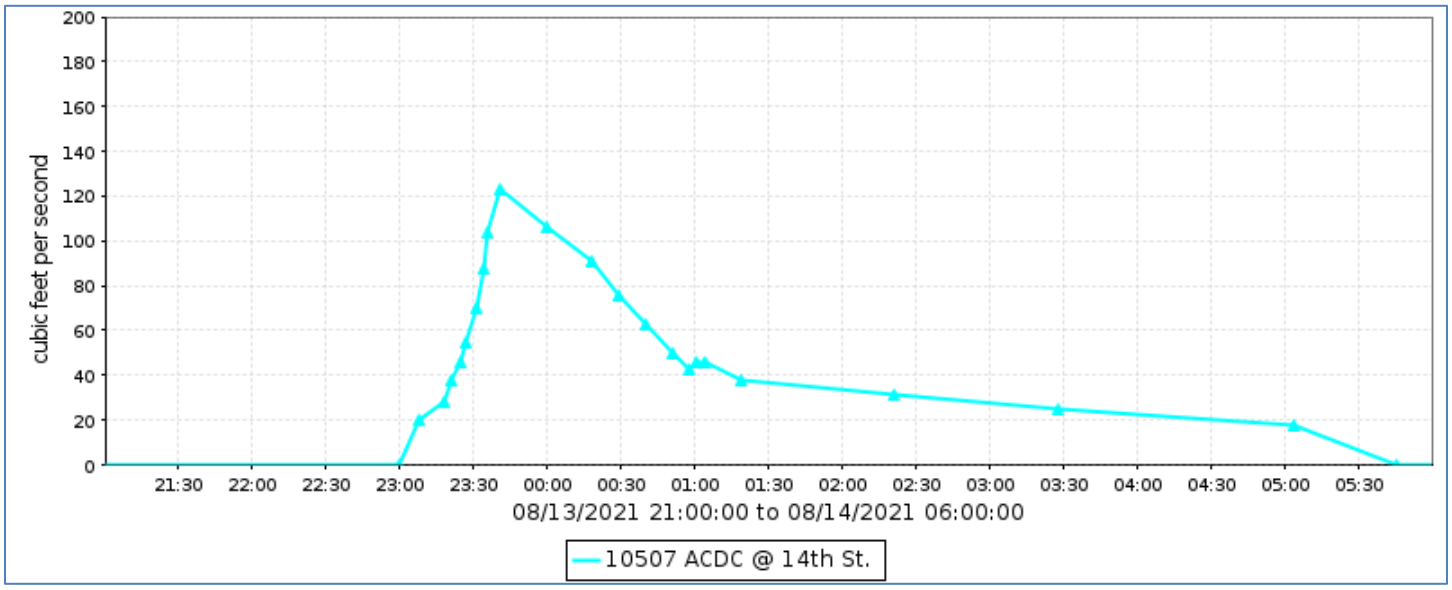




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/03/2021	1.04	50
07/23/2021	0.57	23
07/30/2021	0.67	28
08/13/2021	1.67	123
08/17/2021	1.62	116
08/18/2021	0.74	32

Hydrograph of peak WY 2021 flow event, 08/13/2021



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
113	**322**	**492**	**658**	**864**	**1,010**

ACDC at 14th Street, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3										3		
4												
5												
6												
7												
8												
9												
10												
11												
12												
13											3	
14											9	
15												
16												
17											6	
18											3	
19												
20												
21												
22												
23										2		
24												
25												
26												
27												
28												
29					---							
30					---					2		
31		---			---		---		---	1		---
TOTAL	0	0	0	0	0	0	0	0	0	7	21	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	50	123	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	15	41	0

WTR YR 2021 TOTAL 28 MEAN 0 MAX 123 MIN 0 AC_FT 56

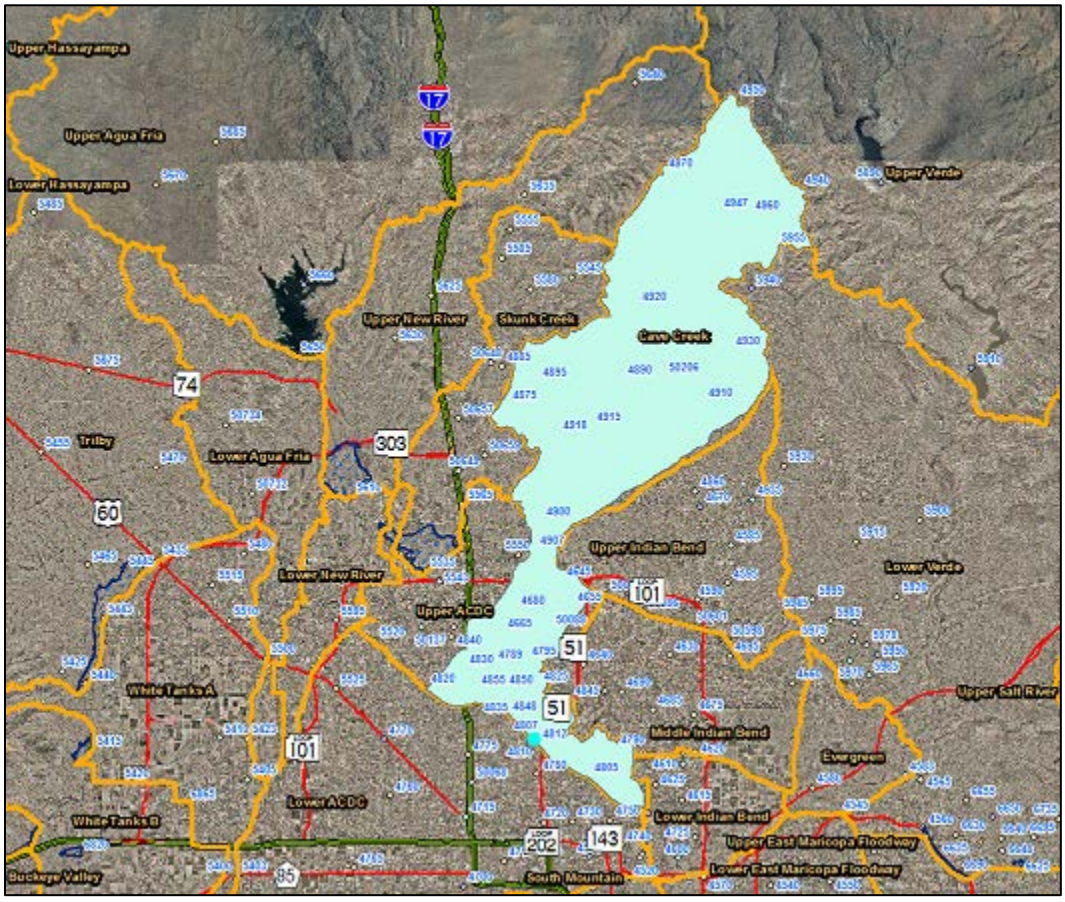
Arizona Canal Diversion Channel at 43rd Avenue, ID #11307

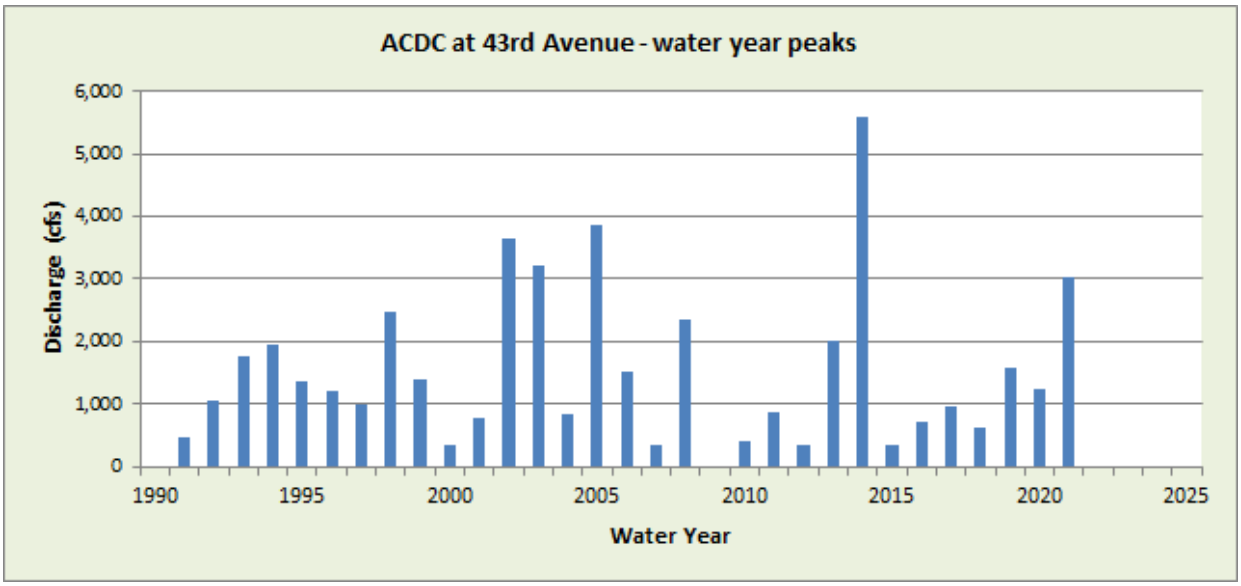


Site Data

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	30.88 Years | 11,279 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

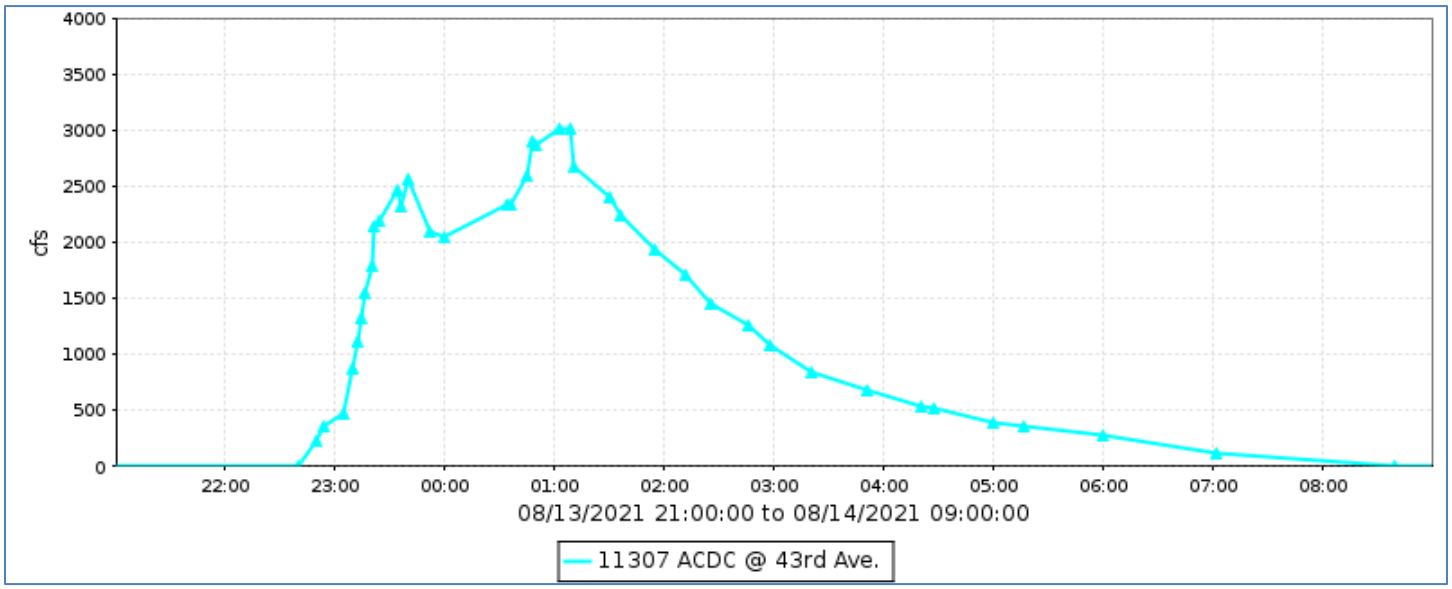




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/22/2021	1.97	674
07/31/2021	1.62	456
08/14/2021	4.48	3,015
08/17/2021	2.27	895
08/18/2021	2.44	1,031

Hydrograph of peak WY 2021 flow event, 08/14/2021



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**
1,150	**2,240**	**3,170**	**4,230**	**5,840**	**7,250**

ACDC at 43rd Avenue, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											78	
14											359	
15												
16												
17											87	
18											154	
19												
20												
21												
22										32		
23										3		
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	19		---
TOTAL	3	3	3	3	4	4	4	4	4	57	681	4
MEAN	0	0	0	0	0	0	0	0	0	2	22	0
MAX	0	0	0	0	0	0	0	0	0	674	3015	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	5	5	5	5	8	7	7	7	7	114	1351	7

WTR YR 2021 TOTAL 771 MEAN 2 MAX 3015 MIN 0 AC_FT 1529

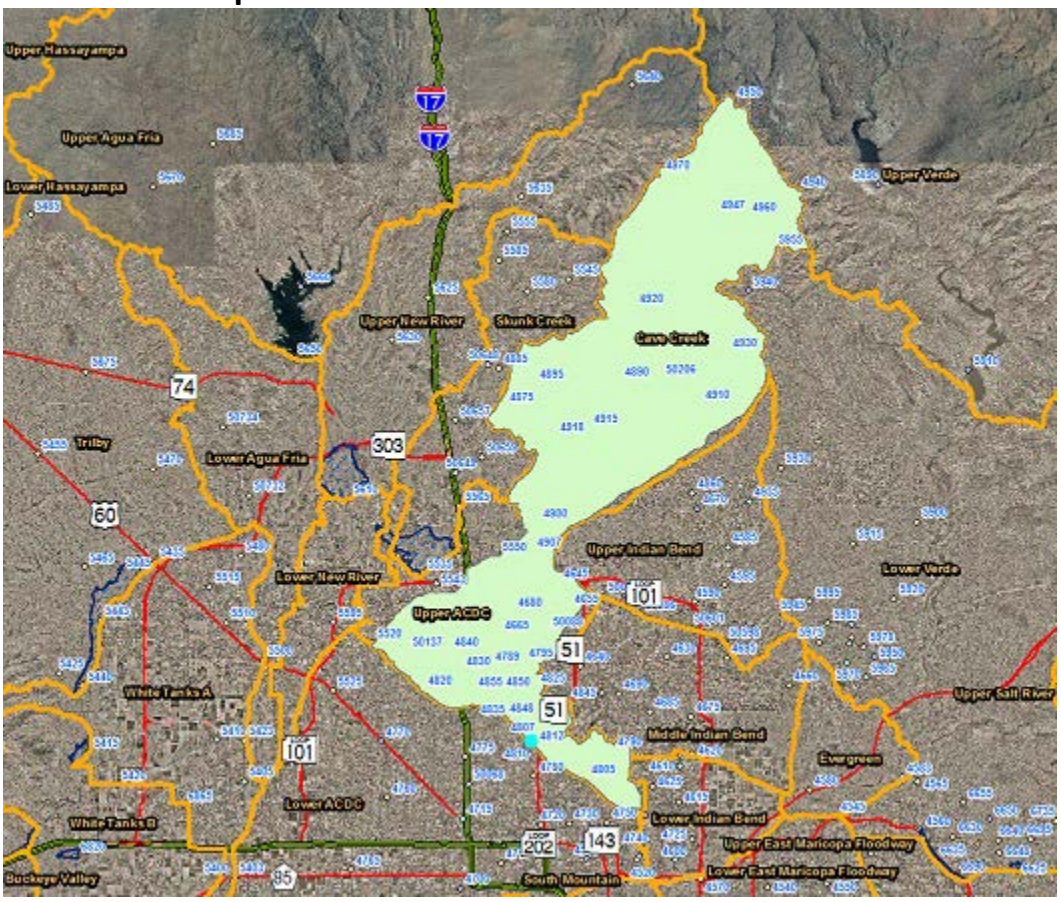
Arizona Canal Diversion Channel at 67th Avenue, ID #13807

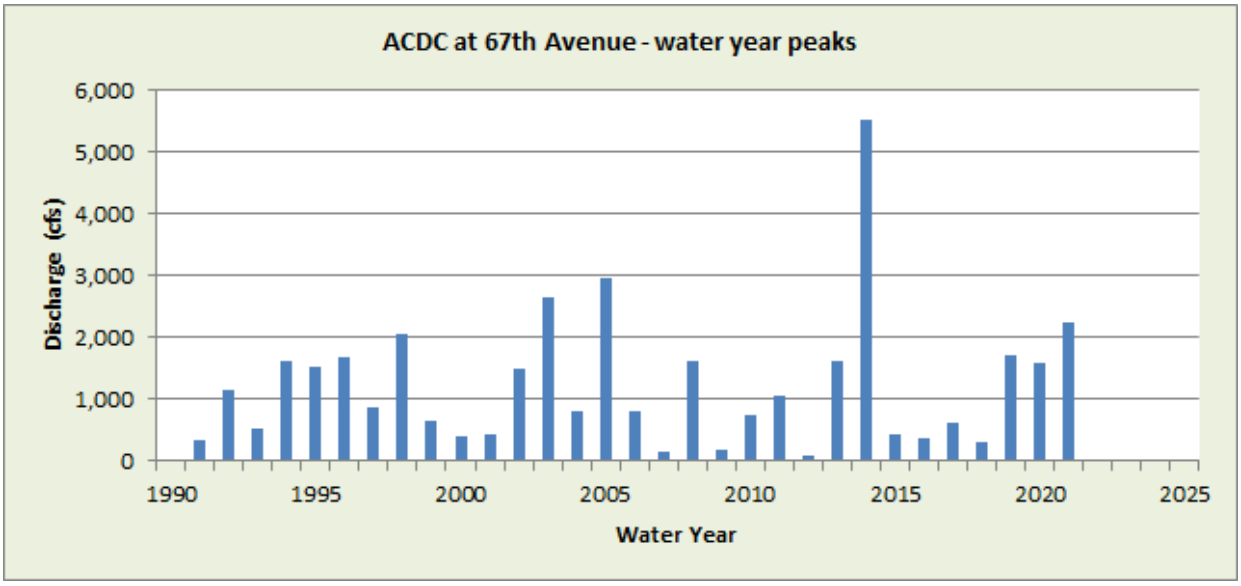


Site Data

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	31.32 Years | 11,439 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

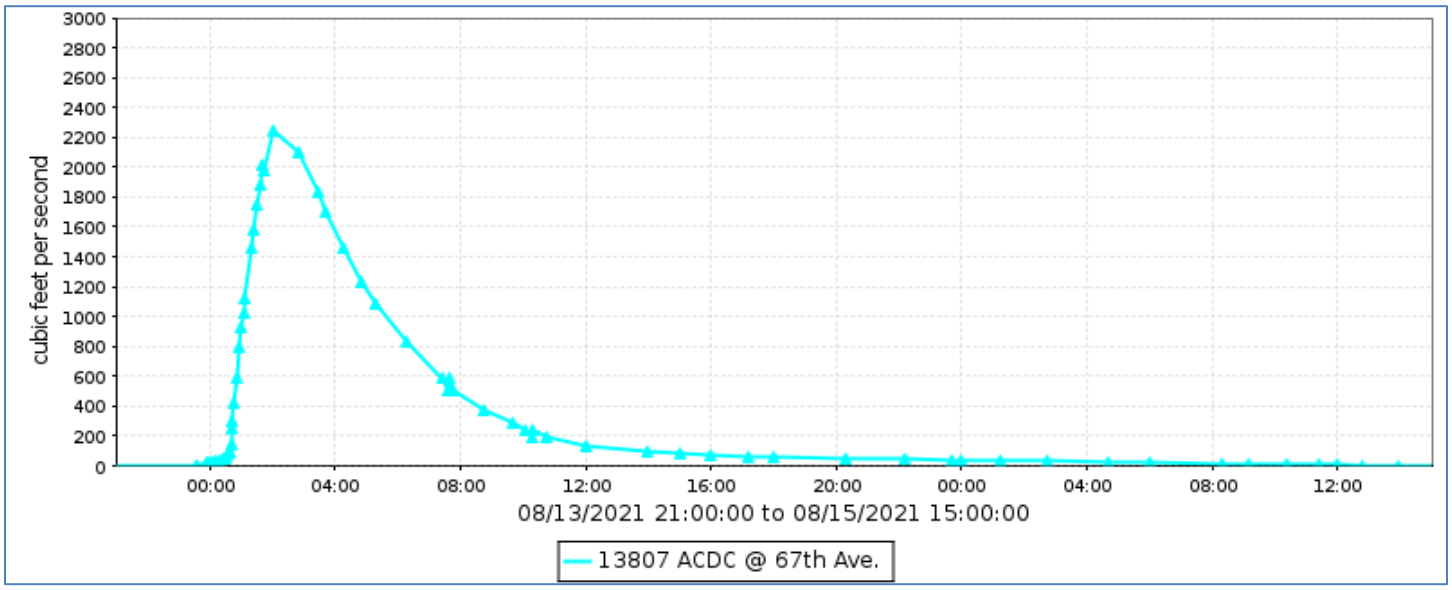




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
12/10/2020	2.58	96
01/24/2021	1.46	35
01/25/2021	2.39	81
07/04/2021	1.46	35
07/23/2021	2.88	147
07/25/2021	1.31	30
07/31/2021	3.22	235
08/12/2021	1.56	38
08/14/2021	6.25	2,251
08/17/2021	3.37	282
08/18/2021	4.05	584
08/20/2021	1.22	28
09/26/2021	1.07	23

Hydrograph of peak WY 2021 flow event, 08/14/2021



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**
910	**1,890**	**2,680**	**3,520**	**4,700**	**5,650**

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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3			1									
4			3							11		---
5			3									---
6			3									
7			2									
8			1									
9			1									
10			31									
11			5									
12											11	
13												
14										1	509	
15											13	
16												
17										2	74	
18											143	
19											73	
20											20	
21											6	
22										1		
23				1						81		
24				18						41		
25				30						20		
26				28						2		4
27												4
28												
29					---							
30					---							
31		---			---		---		---	64		---
TOTAL	0	0	51	77	0	0	0	0	0	222	849	8
MEAN	0	0	2	2	0	0	0	0	0	7	27	0
MAX	0	0	96	81	0	0	0	2	0	235	2251	23
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	101	152	0	0	0	1	0	441	1684	16

WTR YR 2021 TOTAL 1207 MEAN 3 MAX 2251 MIN 0 AC_FT 2394

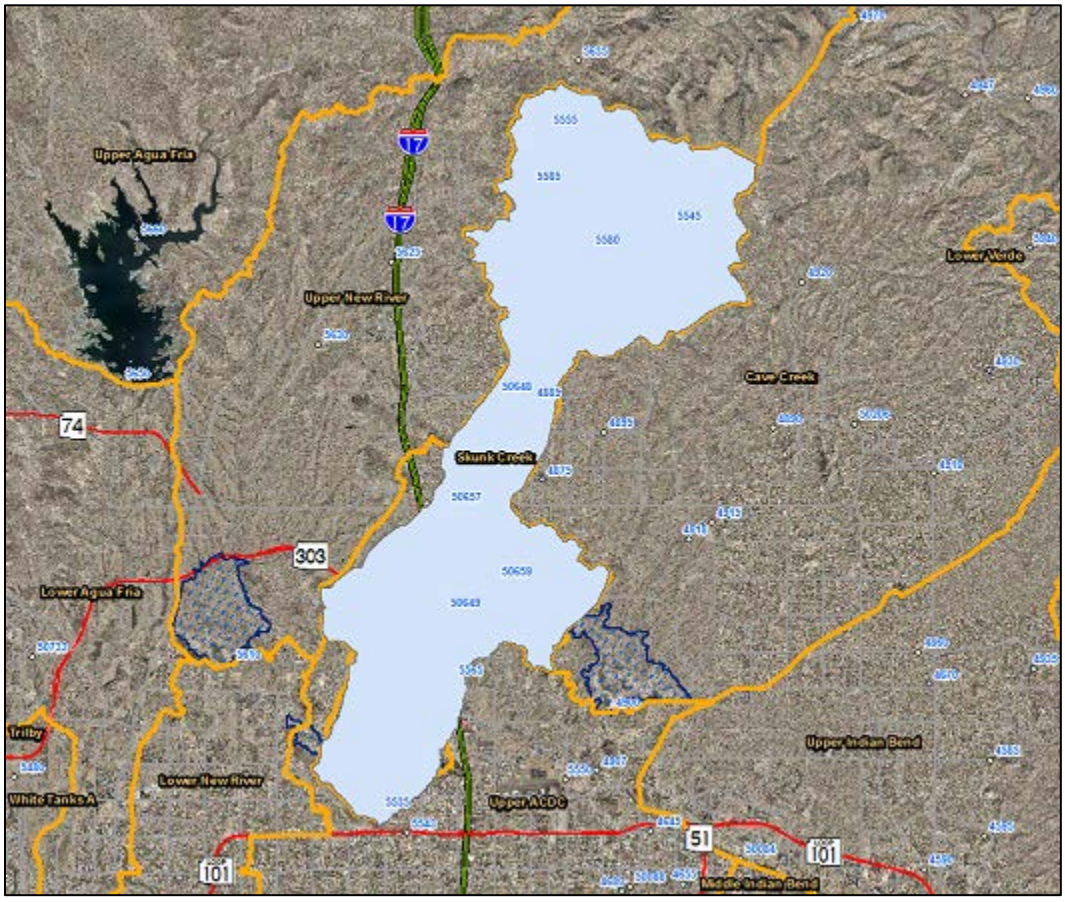
Adobe Dam Pool, ID #65017

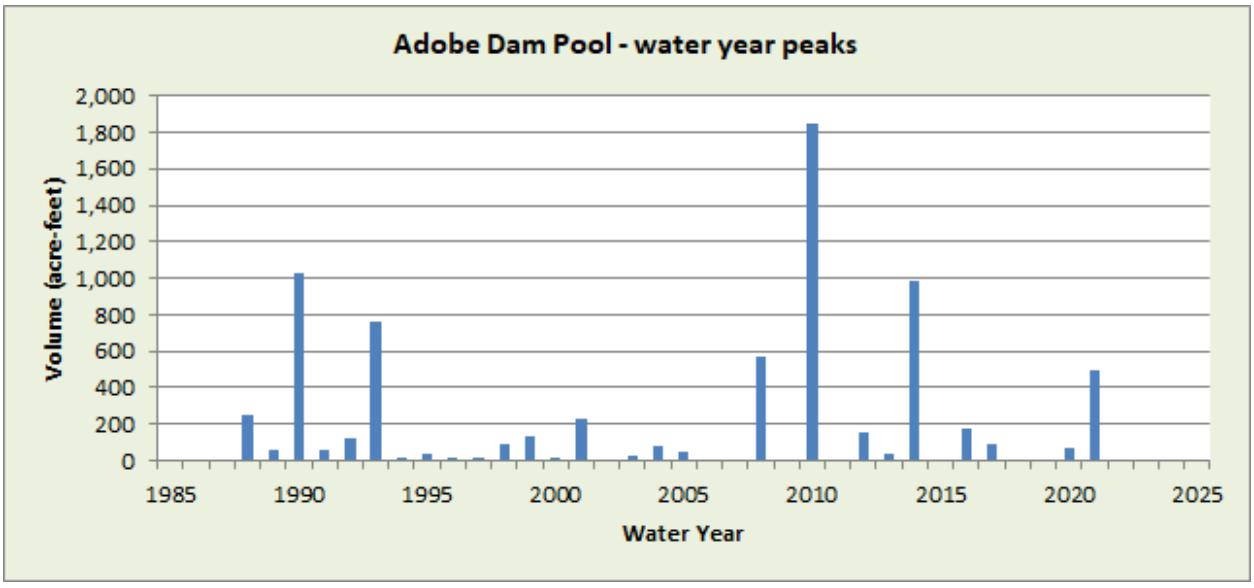


Site Data

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	33.09 Years | 12,085 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

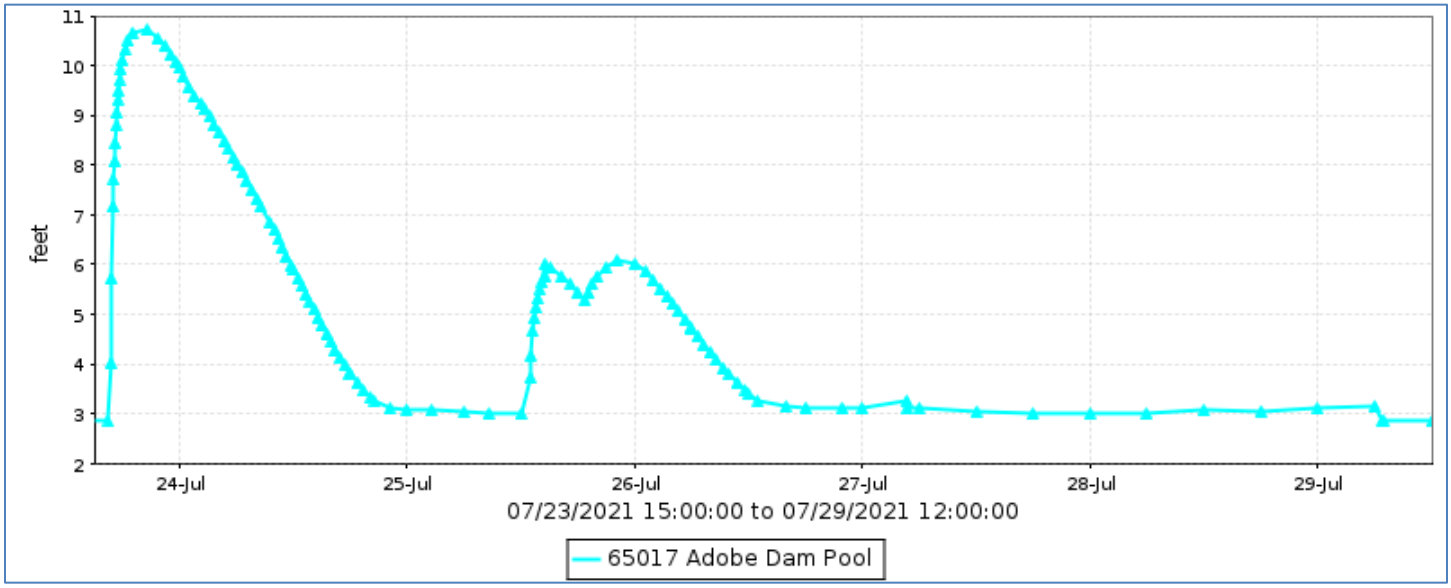




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/23/2021	10.72	499.2	2.6
08/14/2021	5.14	70.2	0.3

Hydrograph of peak WY 2021 impoundment event, 07/23/2021



Adobe Dam Pool, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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						---					16	
15												
16												
17												
18												
19												
20												
21												
22												
23										132		
24										144		
25										51		
26										39		
27										15		
28										15		
29					---					5		
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	13	1	0
MAX	0	0	0	0	0	0	0	0	0	499	70	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 1 MAX 499 MIN 0

Adobe Dam Pool, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	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
13	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	3.3	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	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
21	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
22	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
23	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.0	2.9	2.9
24	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	6.1	2.9	2.9
25	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	2.9	2.9
26	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.0	2.9	2.9
27	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.1	2.9	2.9
28	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9	2.9
29	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
30	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
31	2.9	---	2.9	2.9	---	2.9	---	2.9	---	2.9	2.9	---
MEAN	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.1	2.9	2.9
MAX	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	10.7	5.1	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 2021 MEAN 2.87 MAX 10.72 MIN 2.85

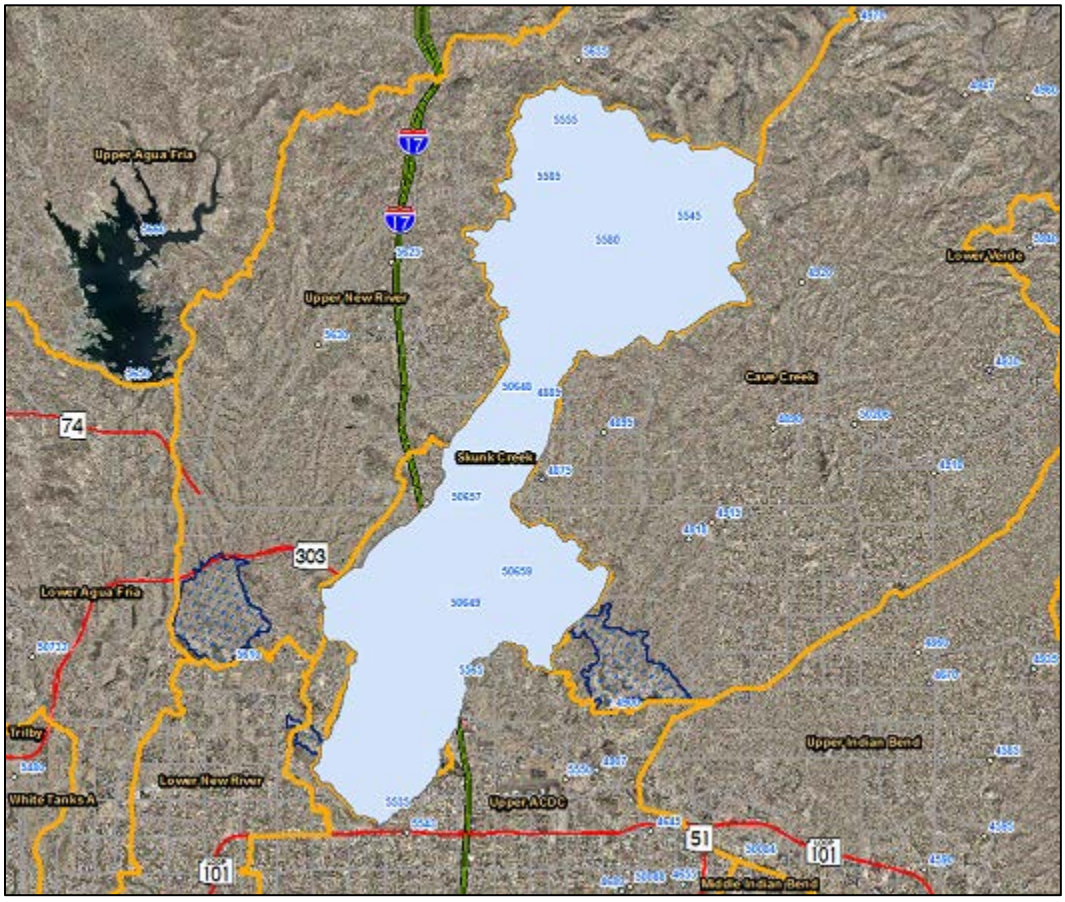
Adobe Dam Outlet, ID #65007

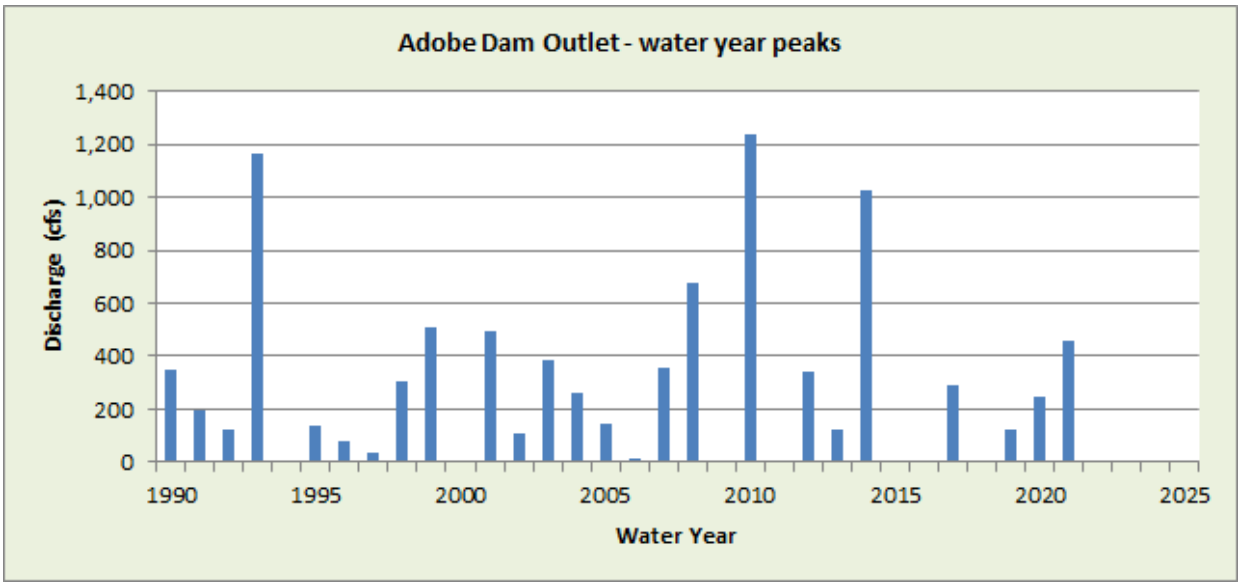


Site Data

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	33.09 Years | 12,085 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

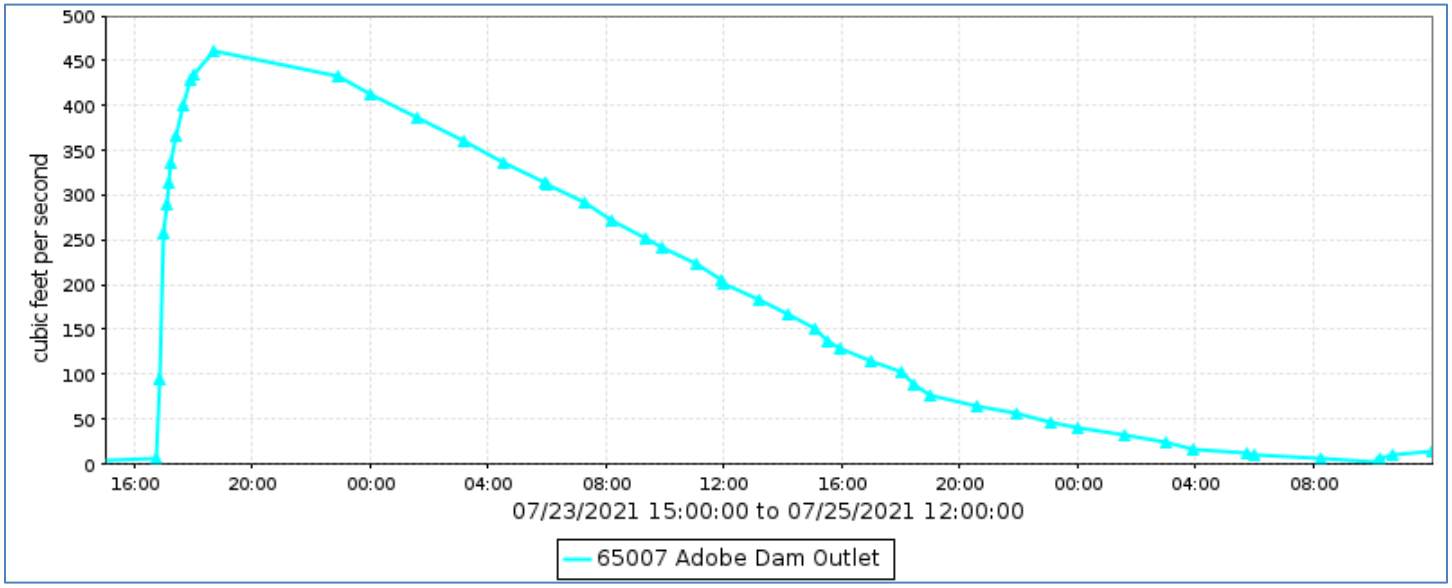




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	5.00	460
07/23/2021	3.11	195
08/14/2021	2.20	107

Hydrograph of peak WY 2021 flow event, 07/23/2021



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 2020 to September 2021

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											62	
15											3	
16											1	
17												
18												
19												
20										1		
21												
22												
23										129		
24										217		
25										90		
26										81		
27										2		
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	528	67	0
MEAN	0	0	0	0	0	0	0	0	0	17	2	0
MAX	0	0	0	0	0	0	0	0	0	460	107	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	1046	134	0

WTR YR 2021 TOTAL 595 MEAN 2 MAX 460 MIN 0 AC_FT 1180

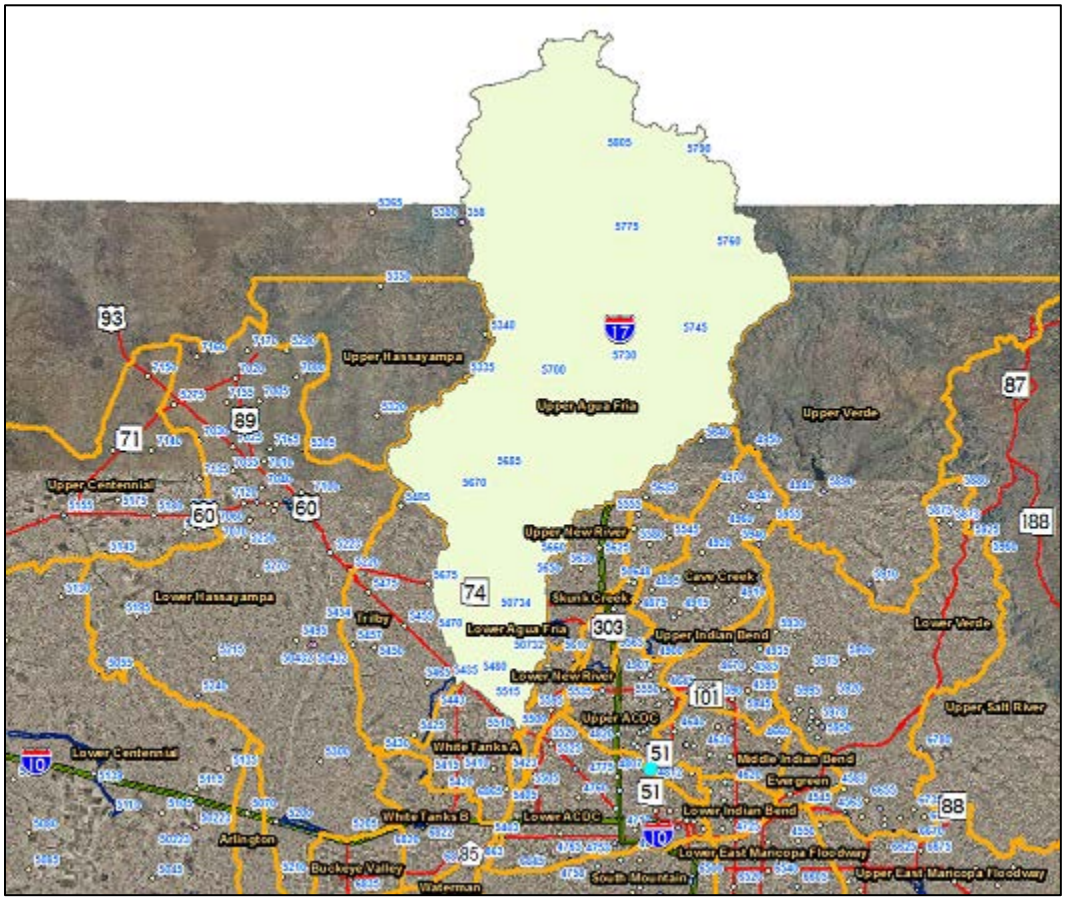
Agua Fria River at Grand Avenue, ID #14707

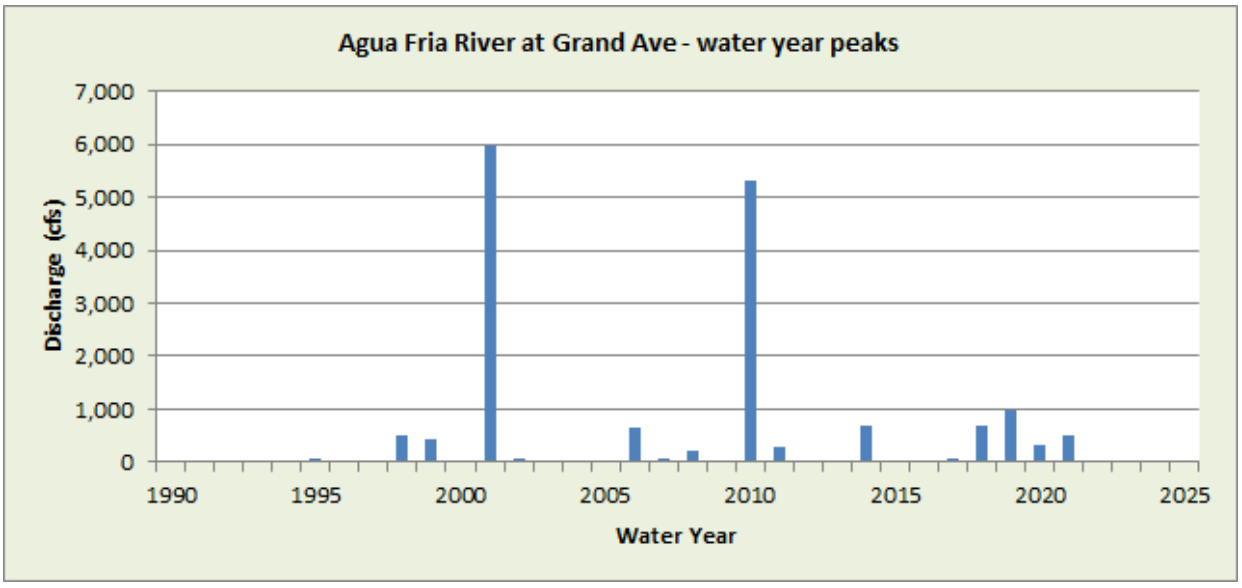


Site Data

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	27.43 Years | 10,019 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

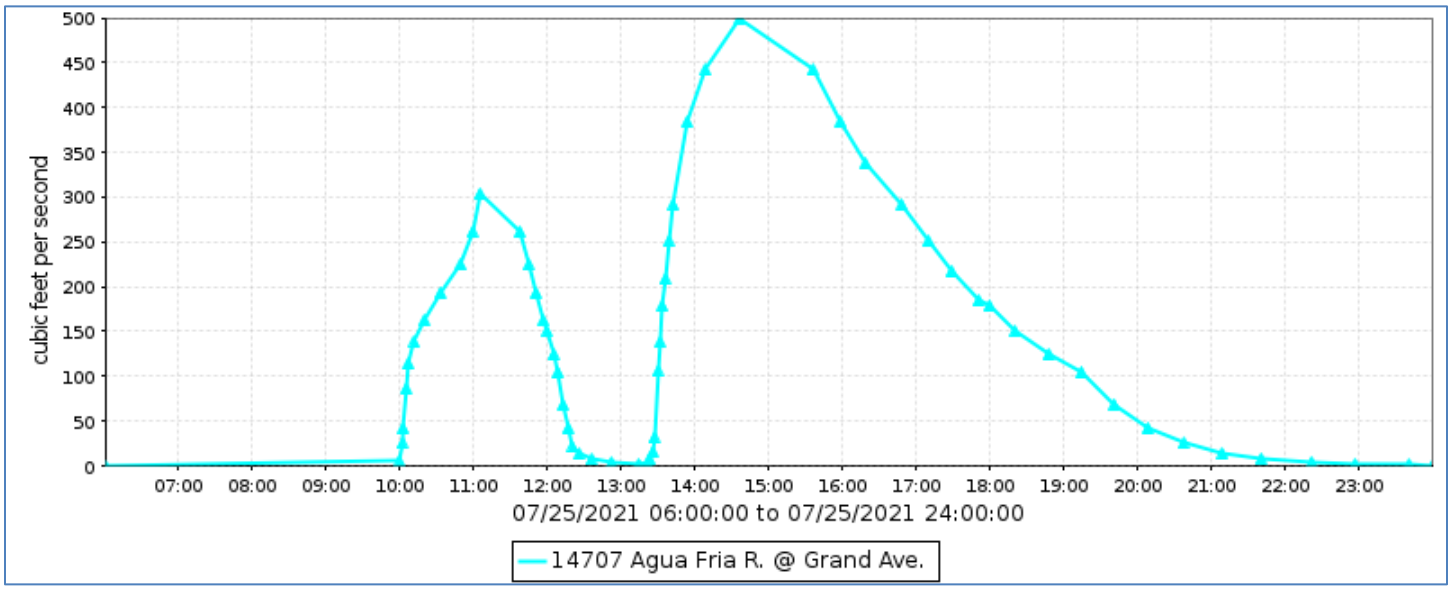




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/25/2021	4.10	304
07/25/2021	4.49	500
07/31/2021	3.17	37

Hydrograph of peak WY 2021 flow event, 07/25/2021



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 2020 to September 2021

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										102		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	1		---
TOTAL	0	0	0	0	0	0	0	0	0	103	0	0
MEAN	0	0	0	0	0	0	0	0	0	3	0	0
MAX	0	0	3	2	0	0	0	0	0	500	2	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	204	1	0

WTR YR 2021 TOTAL 103 MEAN 0 MAX 500 MIN 0 AC_FT 205

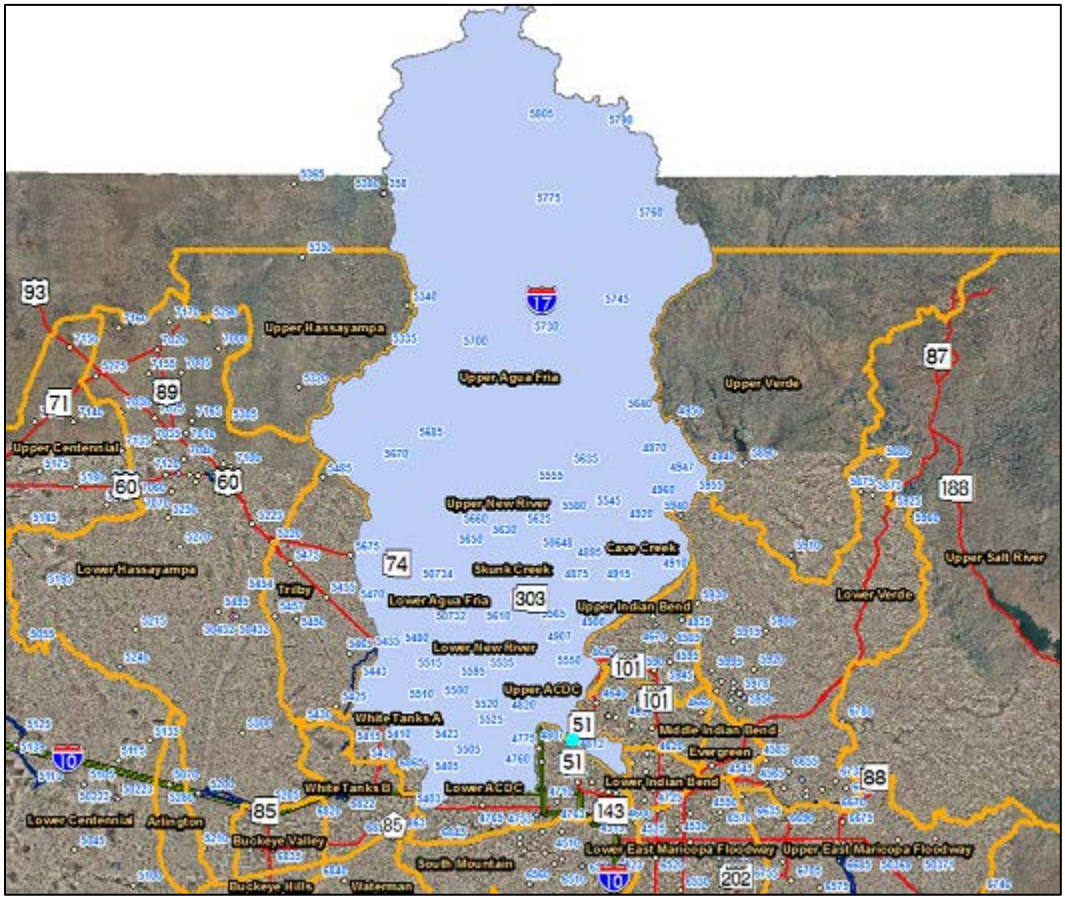
Agua Fria River at Buckeye Road, ID #85307

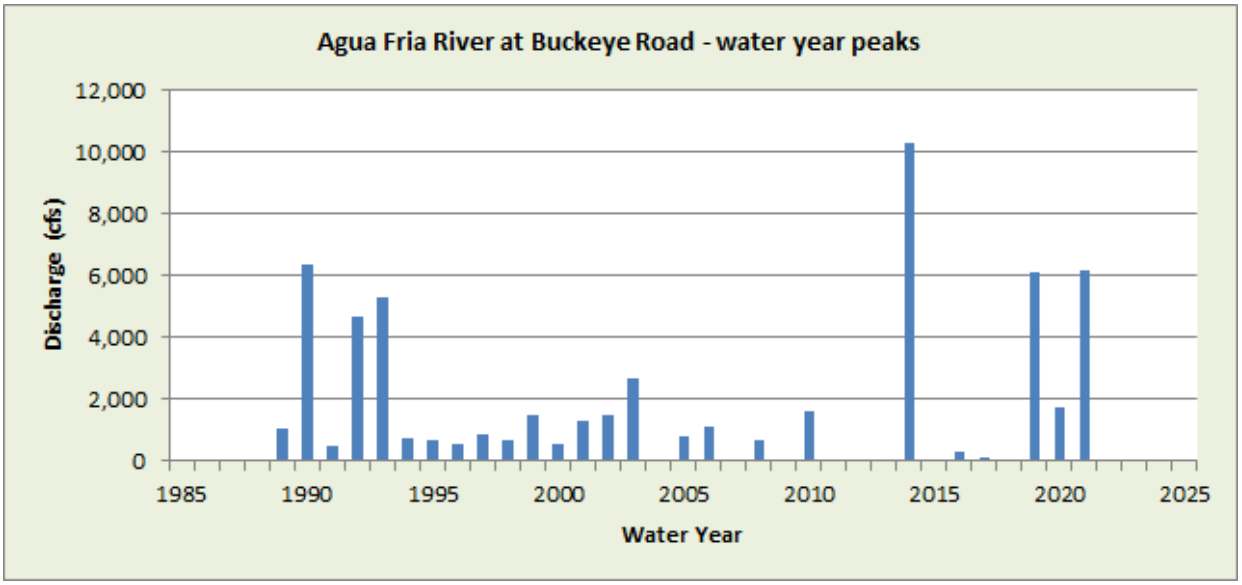


Site Data

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	32.97 Years | 12,042 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

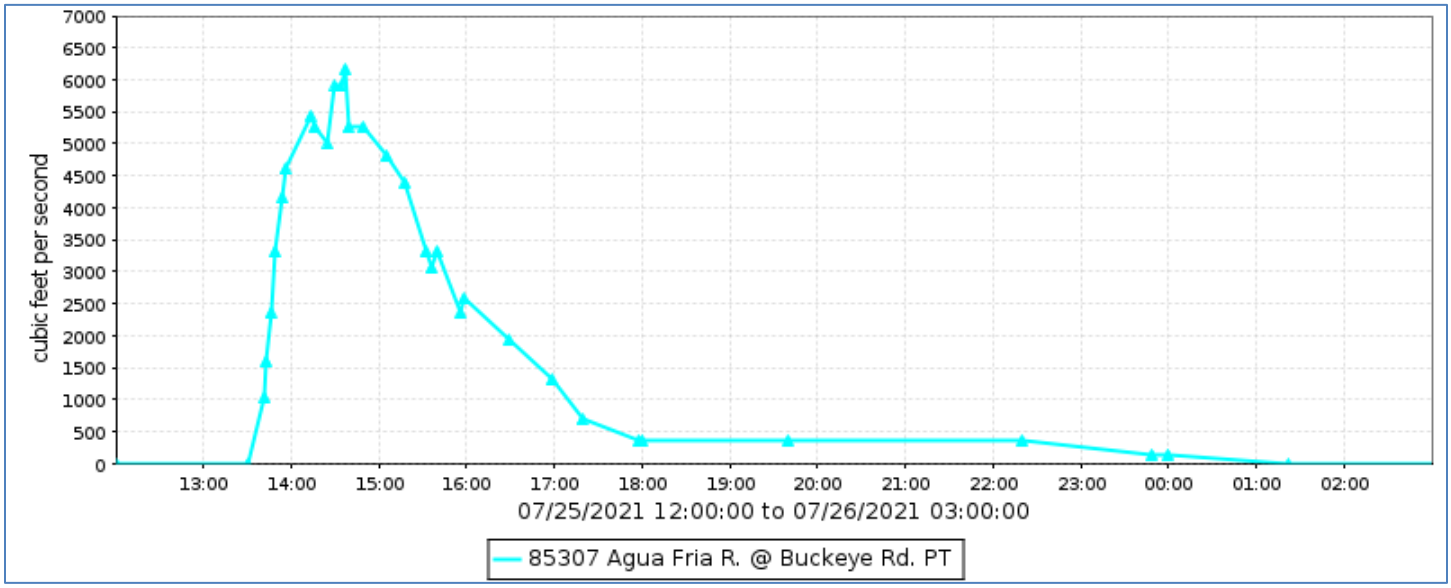




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/25/2021	1.32	6,176
08/14/2021	0.79	1,932

Hydrograph of peak WY 2021 flow event, 07/25/2021



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 2020 to September 2021

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											167	
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25										644		
26										9		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	653	167	0
MEAN	0	0	0	0	0	0	0	0	0	21	5	0
MAX	0	0	0	0	0	0	0	0	0	6176	1932	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	1295	332	0

WTR YR 2021 TOTAL 820 MEAN 2 MAX 6176 MIN 0 AC_FT 1626

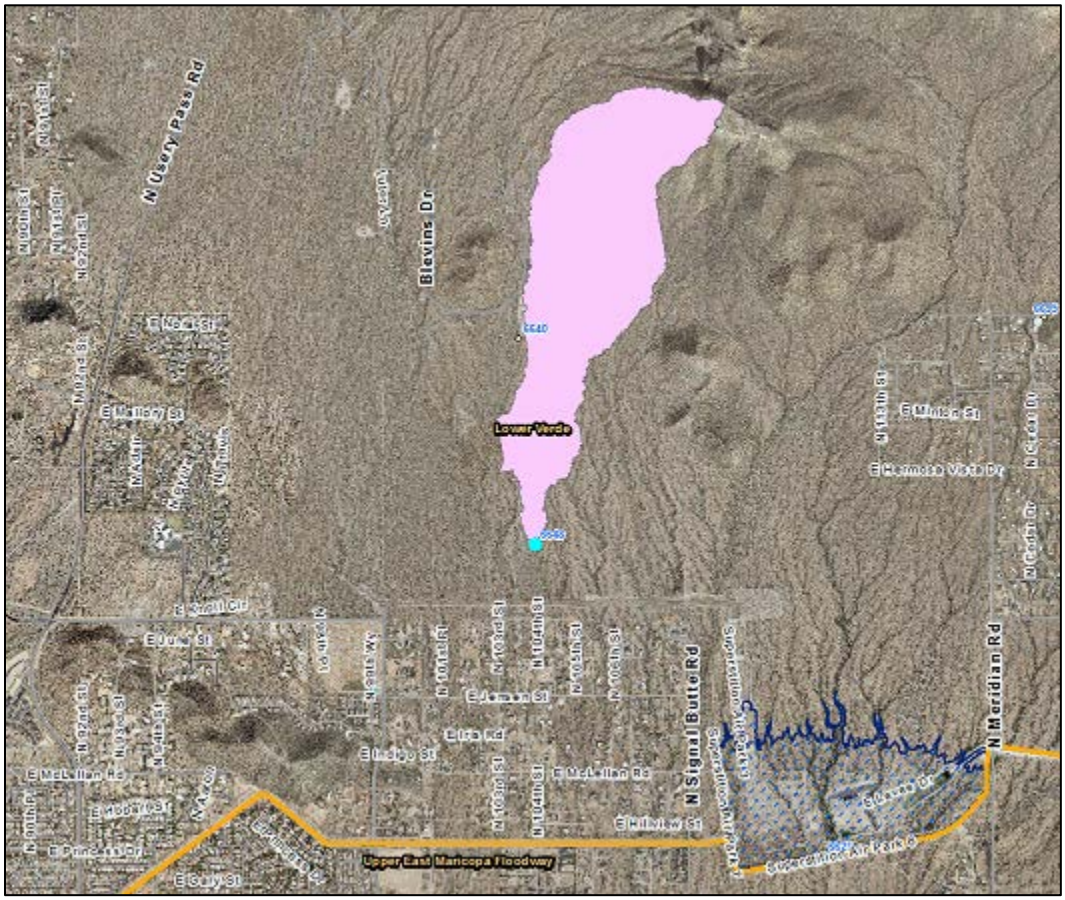
Amigos Wash, ID #80507

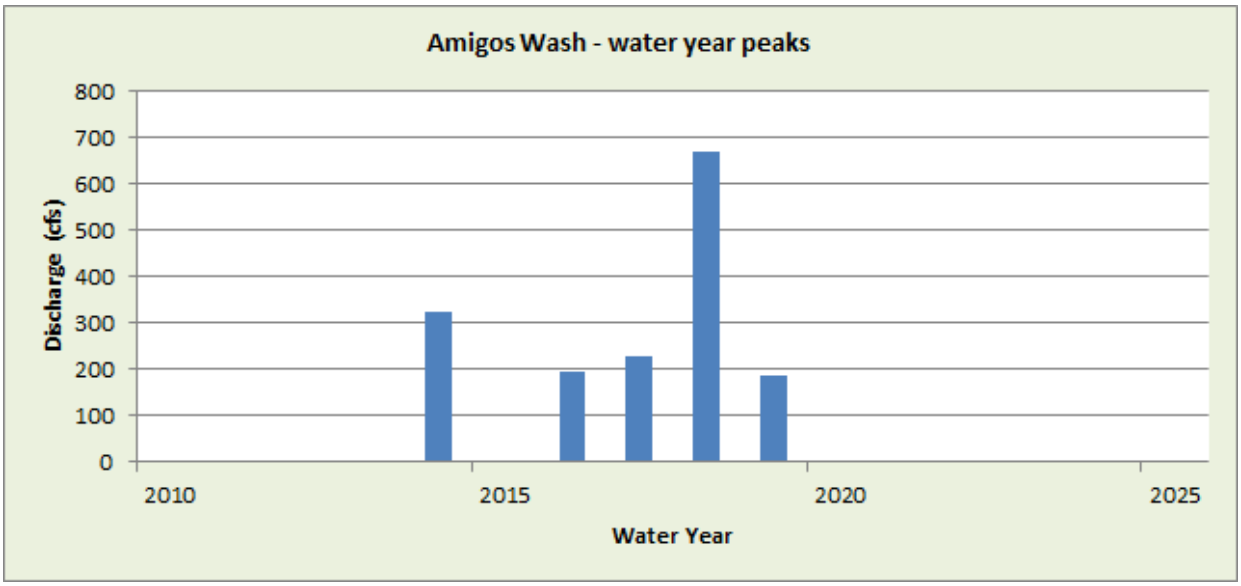


Site Data

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	8.73 Years | 3,187 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

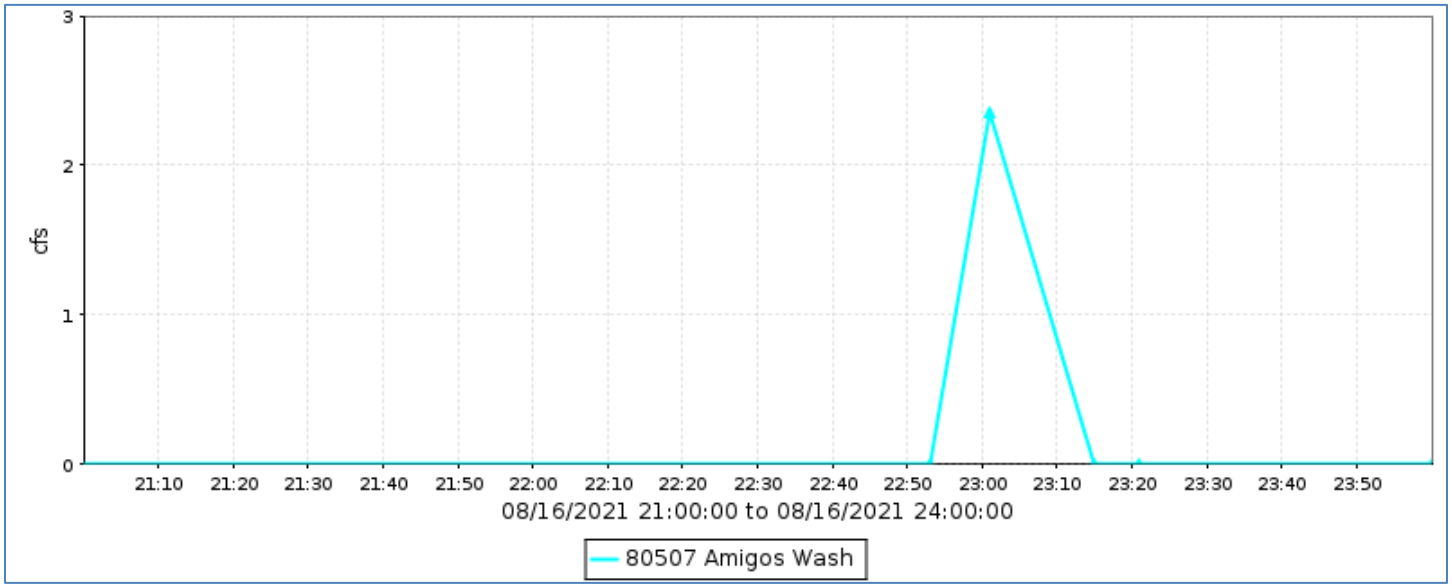




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/16/2021	1.00	2

Hydrograph of peak WY 2021 flow event, 08/16/2021



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 2020 to September 2021

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	2	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 2021 TOTAL 0 MEAN 0 MAX 2 MIN 0 AC_FT 0

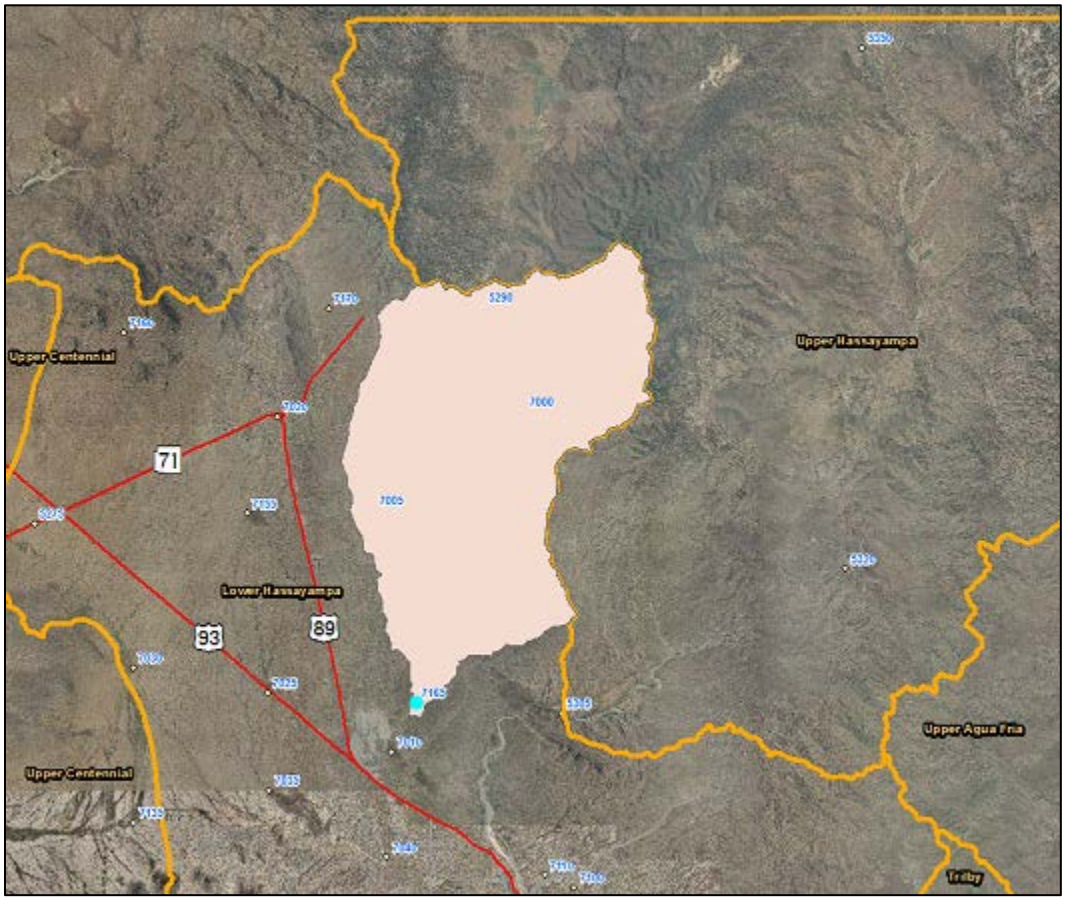
Antelope Creek, ID #55207

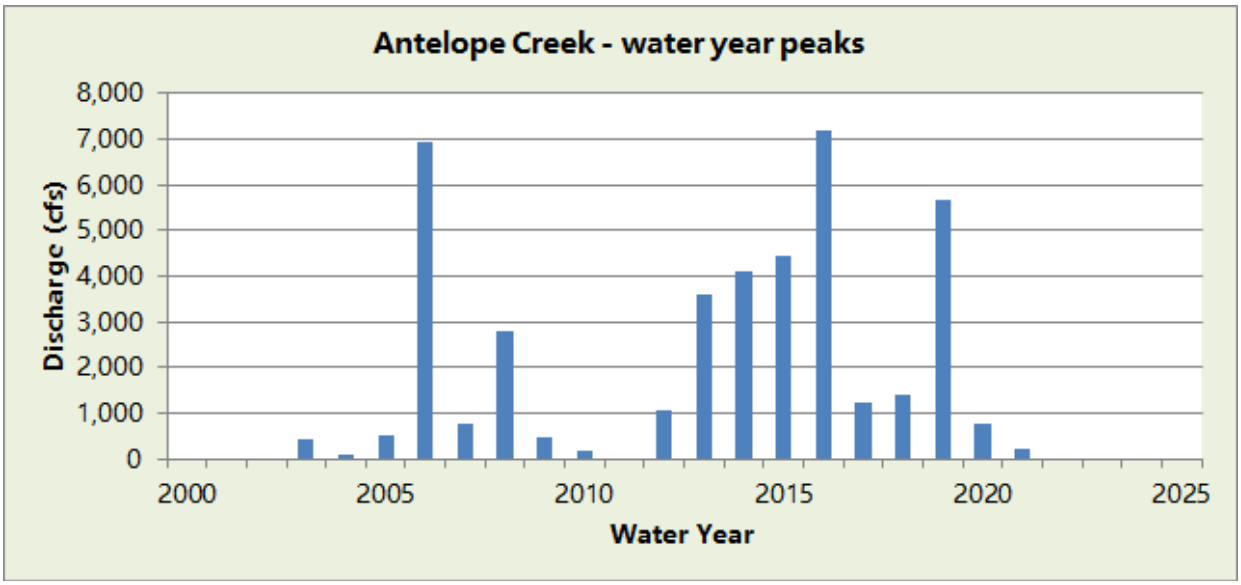


Site Data

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	18.23 Years | 6,659 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

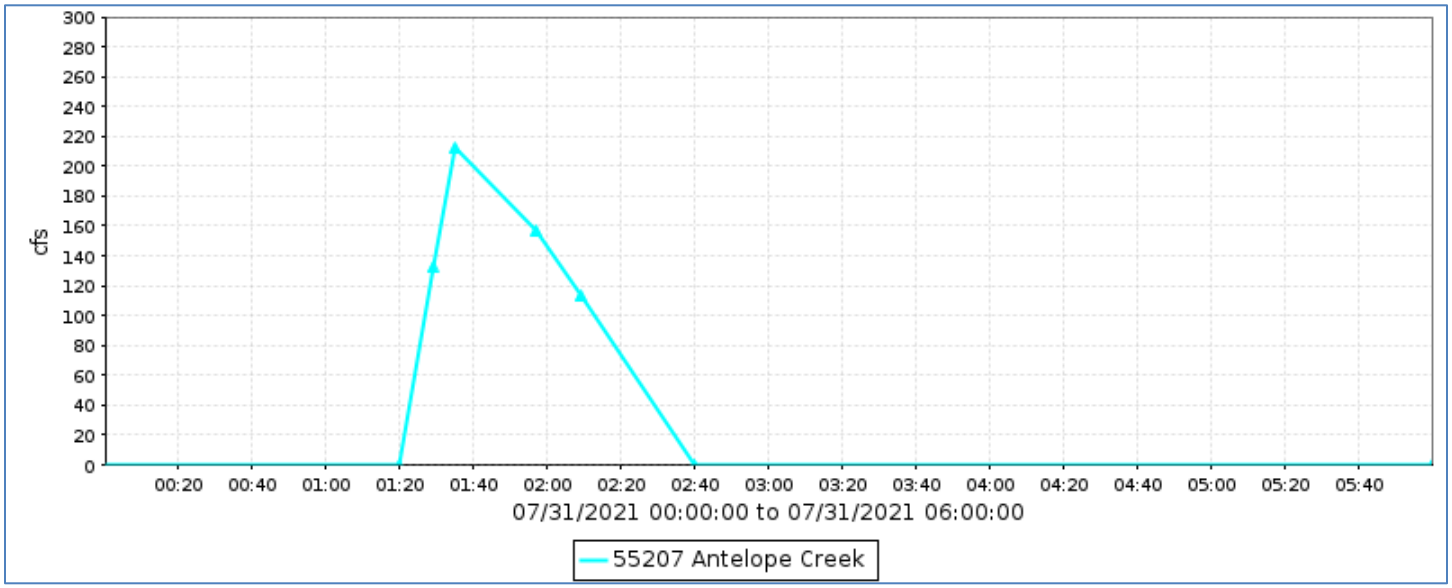




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/16/2021	2.44	199
07/21/2021	2.12	78
07/25/2021	2.42	190
07/29/2021	2.27	132
07/31/2021	2.47	212
08/13/2021	2.24	122
08/16/2021	2.17	94

Hydrograph of peak WY 2021 flow event, 07/31/2021



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**
1,130	**3,460**	**5,980**	**9,210**	**14,700**	**19,800**

NOTE: These results are based on very limited data.

Antelope Creek, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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										6	2	
17												
18												
19												
20												
21										1		
22												
23												
24												
25				---						5		
26				---								
27												
28												
29					---					2		
30					---							
31		---			---		---		---	8		---
TOTAL	0	0	0	0	0	0	0	0	0	21	4	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	0	0	0	0	0	0	0	212	122	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	42	7	0

WTR YR 2021 TOTAL 25 MEAN 0 MAX 212 MIN 0 AC_FT 50

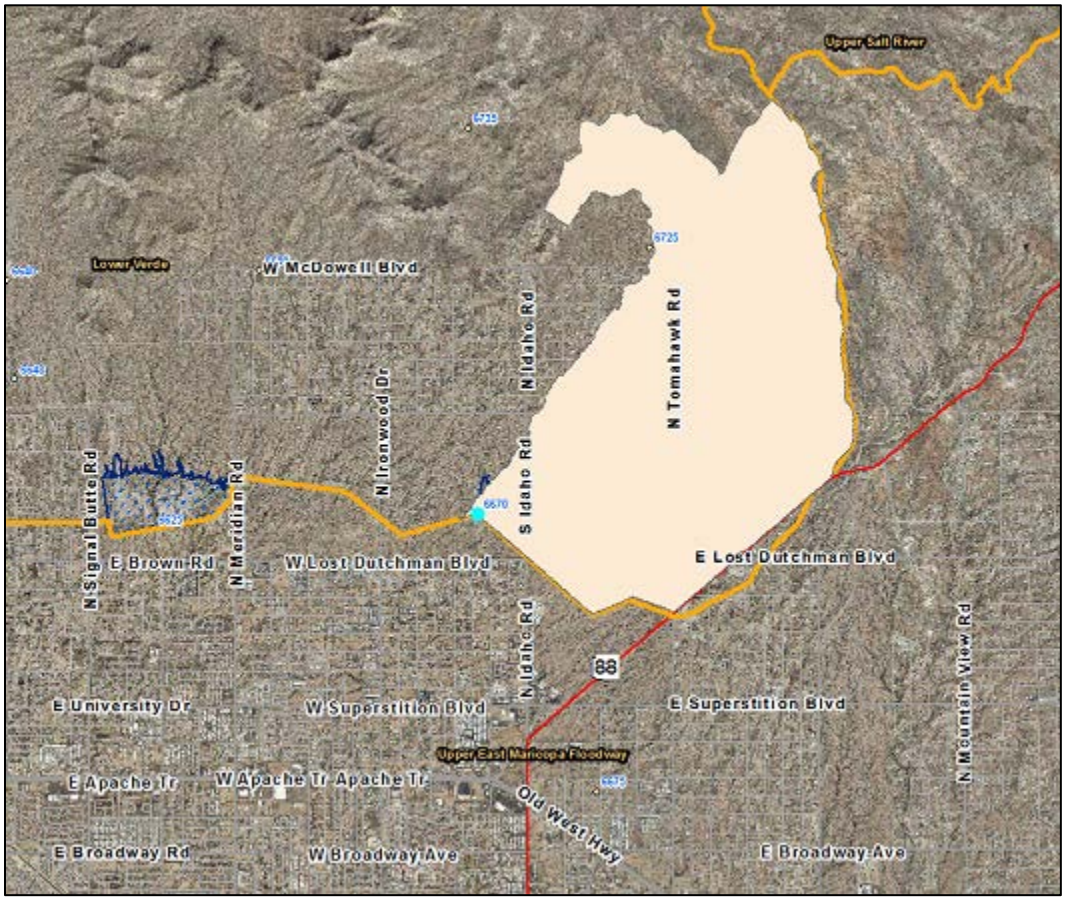
Apache Junction FRS, ID #81307

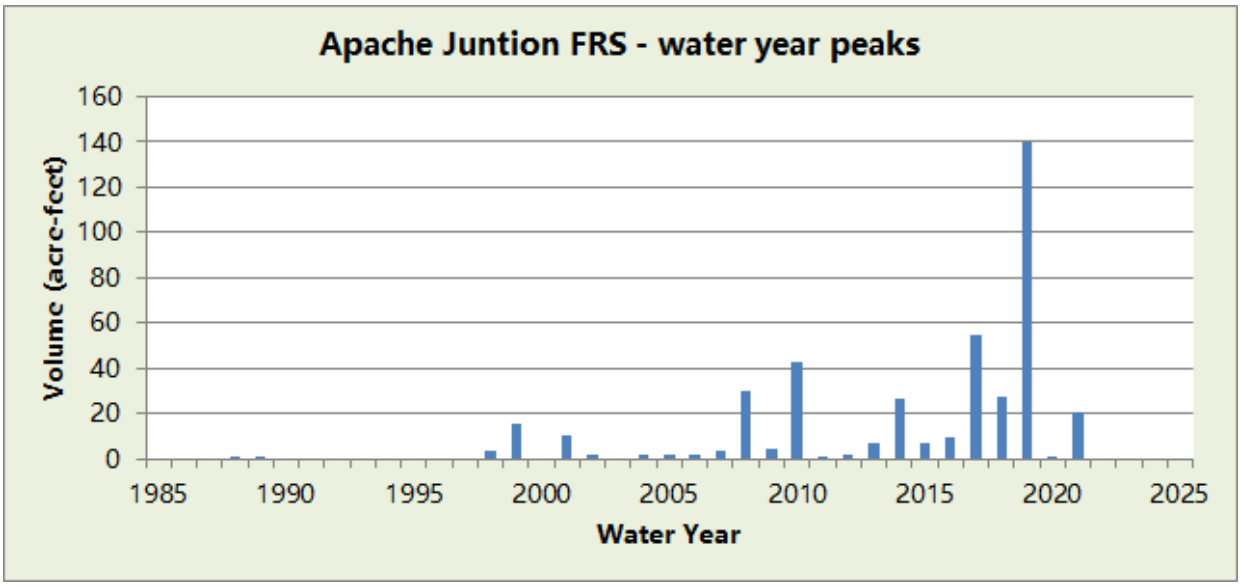


Site Data

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	33.04 Years | 12,069 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

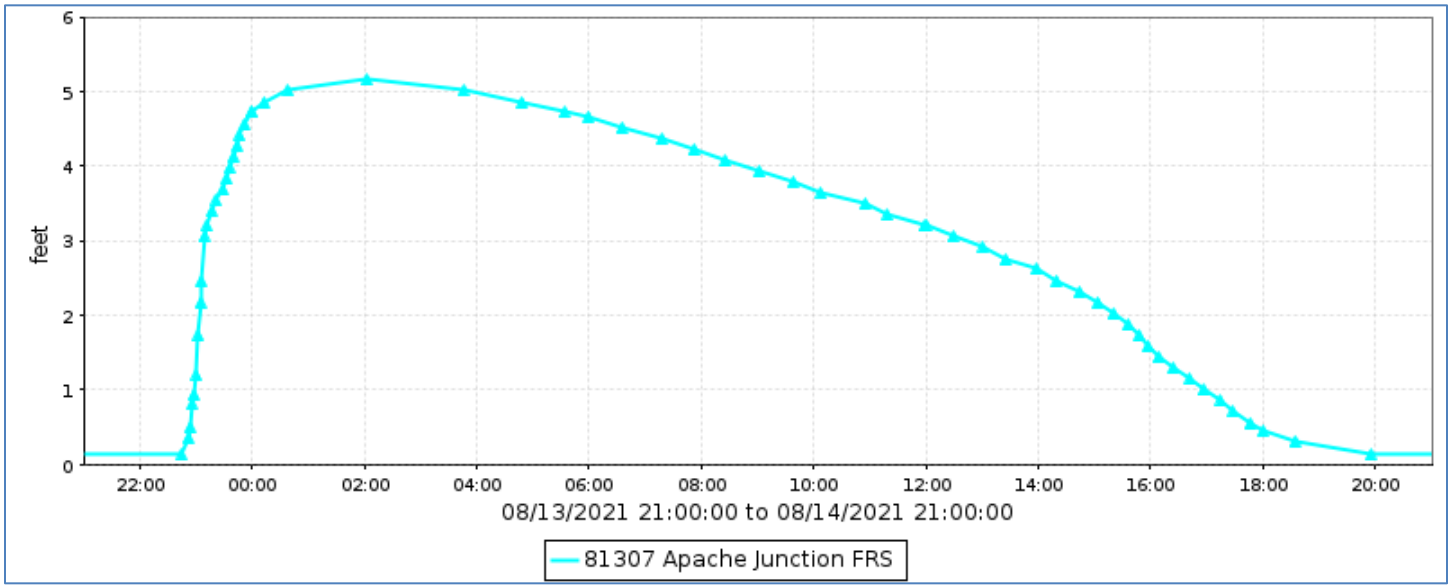




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/11/2021	3.25	4.5	0.7
08/14/2021	5.16	20.6	3.1
08/17/2021	2.32	1.8	0.2

Hydrograph of peak WY 2021 impoundment event, 08/14/2021



Apache Junction FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11											5	
12												
13											1	
14											17	
15												
16											1	
17											3	
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	27	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	0	31	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	54	0

WTR YR 2021 TOTAL 27 MEAN 0 MAX 31 MIN 0 AC_FT 54

Apache Junction FRS, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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												
14											7	
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	21	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 21 MIN 0

Apache Junction FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.8	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	0.3	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.8	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	0.2	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6	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
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	0.3	0.1
MAX	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.2	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 2021 MEAN 0.14 MAX 5.16 MIN 0.13

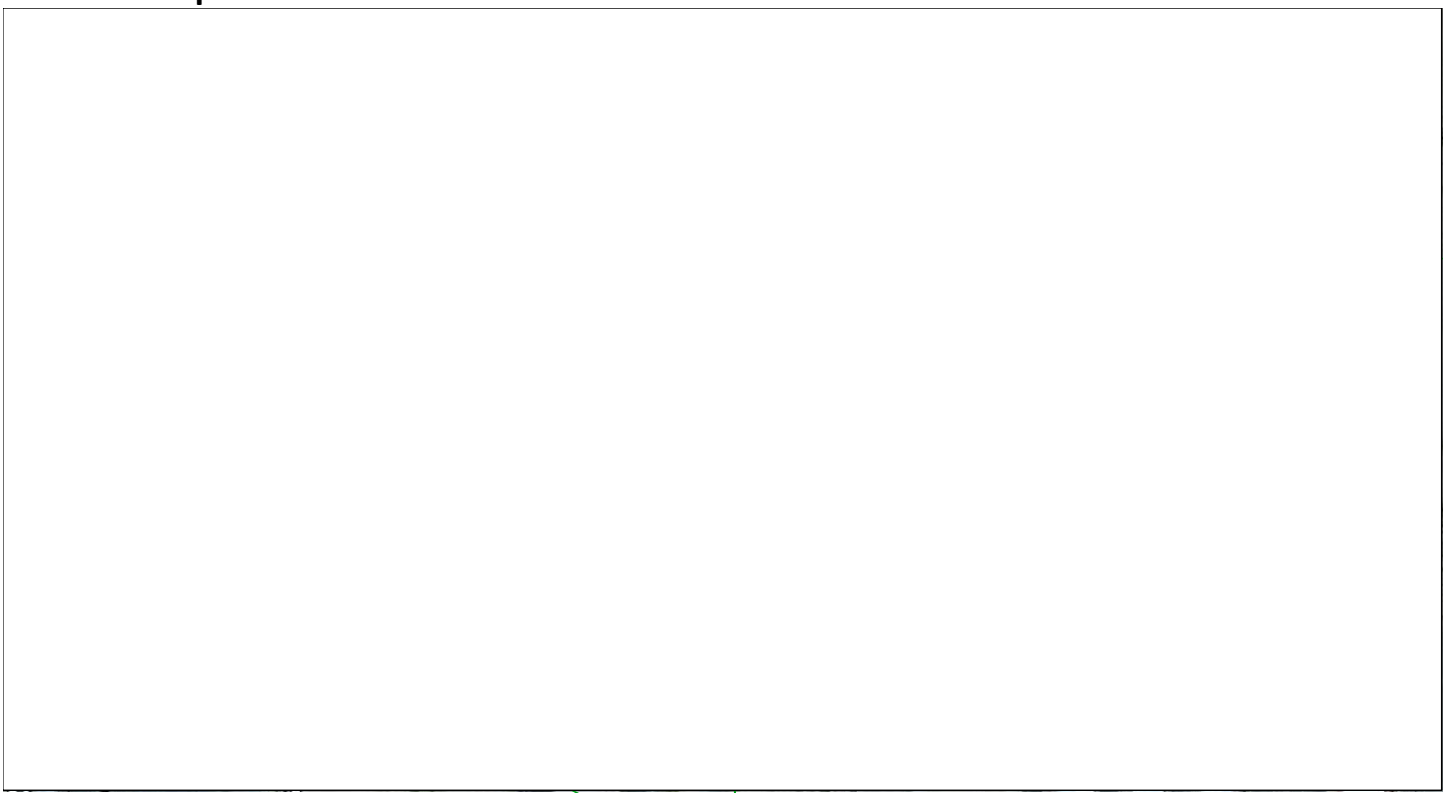
Apache Trail, ID #36507

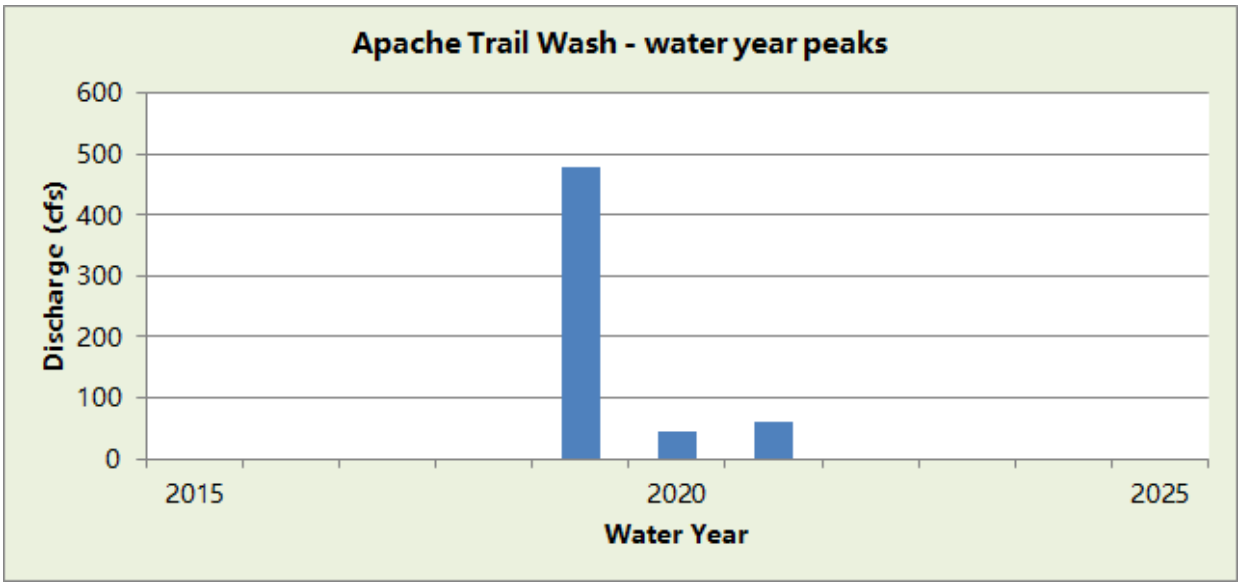


Site Data

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	2.26 Years | 827 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

Location Map

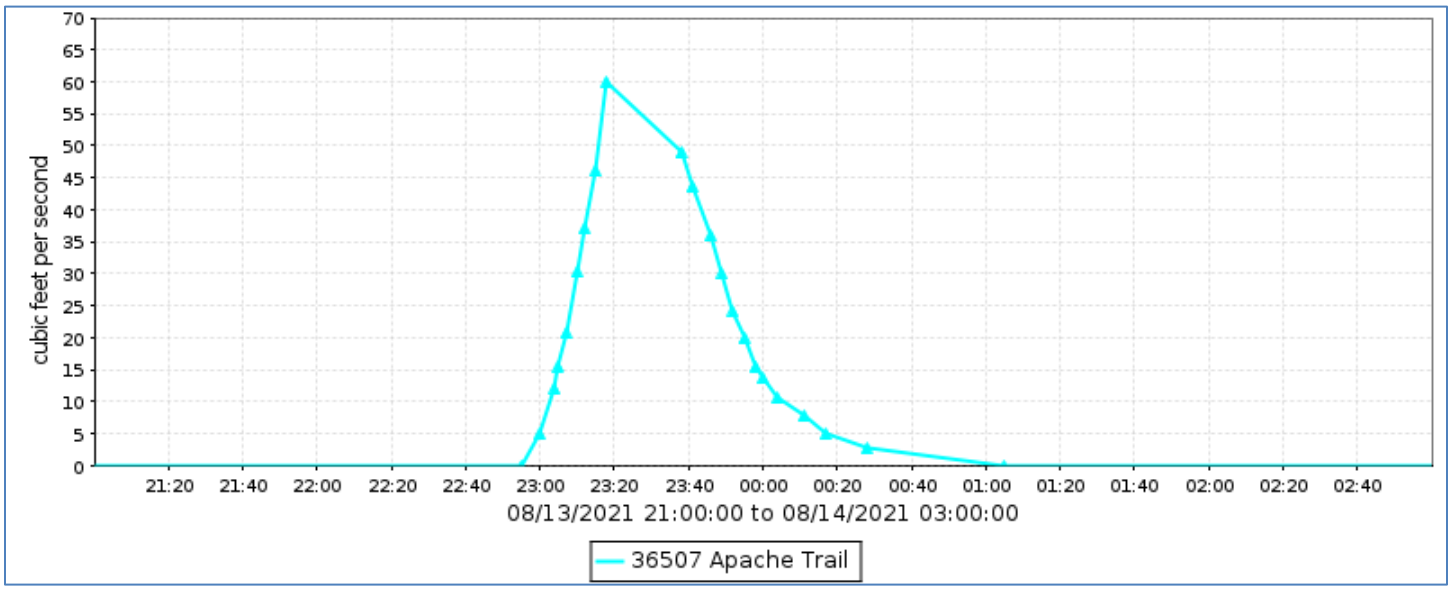




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/22/2021	0.28	5
07/23/2021	0.36	7
07/24/2021	0.67	16
08/11/2021	1.22	41
08/11/2021	1.27	44
08/13/2021	1.48	60
08/16/2021	0.85	23

Hydrograph of peak WY 2021 flow event, 08/13/2021



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 2020 to September 2021

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												
13											2	
14												
15												
16											1	
17												
18												
19												
20												
21												
22												
23										1		
24										1		
25				1								
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	1	0	0	0	0	0	2	5	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	7	0	0	0	0	0	16	60	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	1	0	0	0	0	0	5	11	0

WTR YR 2021 TOTAL 9 MEAN 0 MAX 60 MIN 0 AC_FT 17

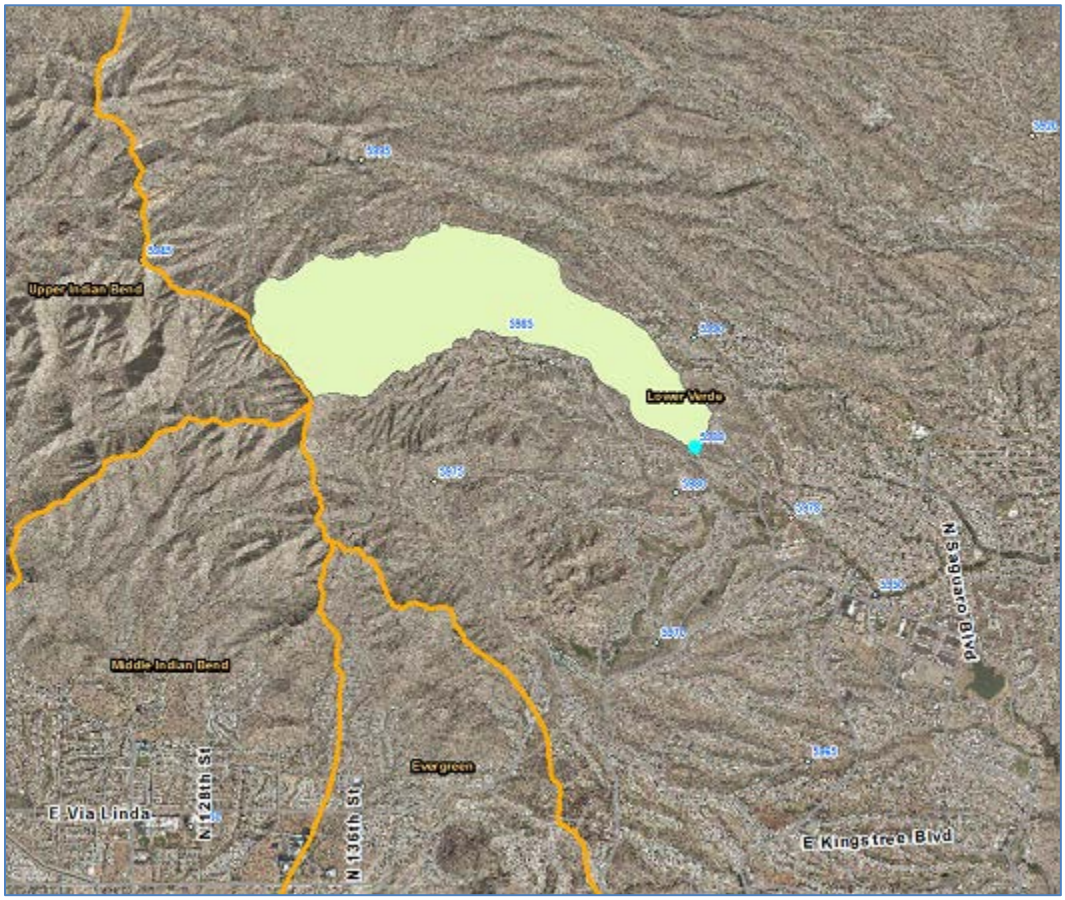
Aspen Dam, ID #78707

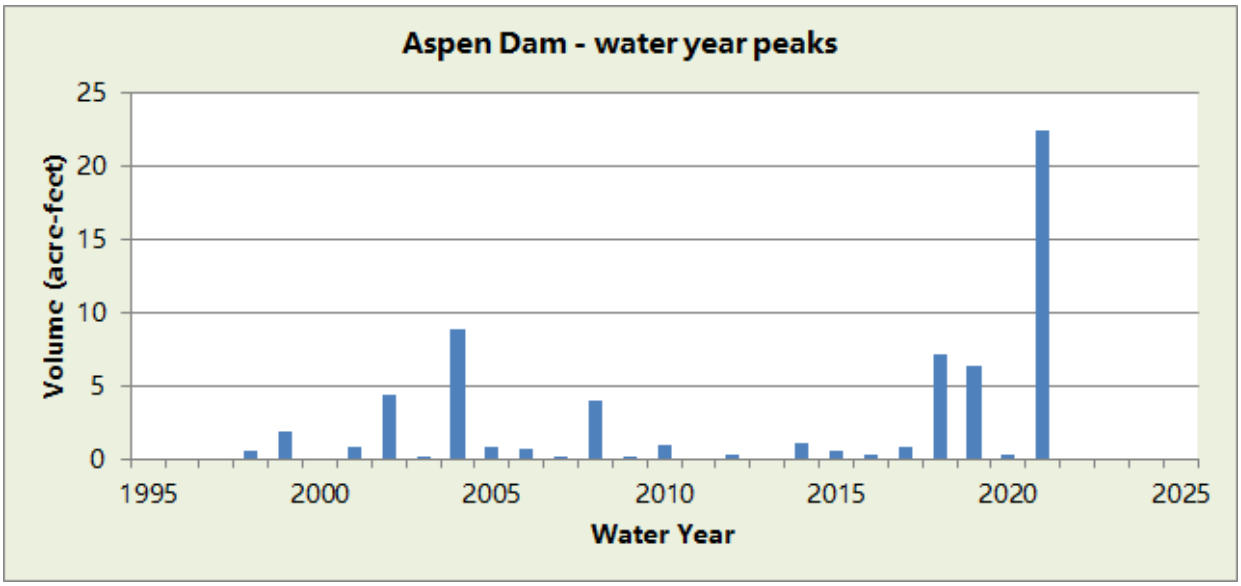


Site Data

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	24.74 Years | 9,038 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

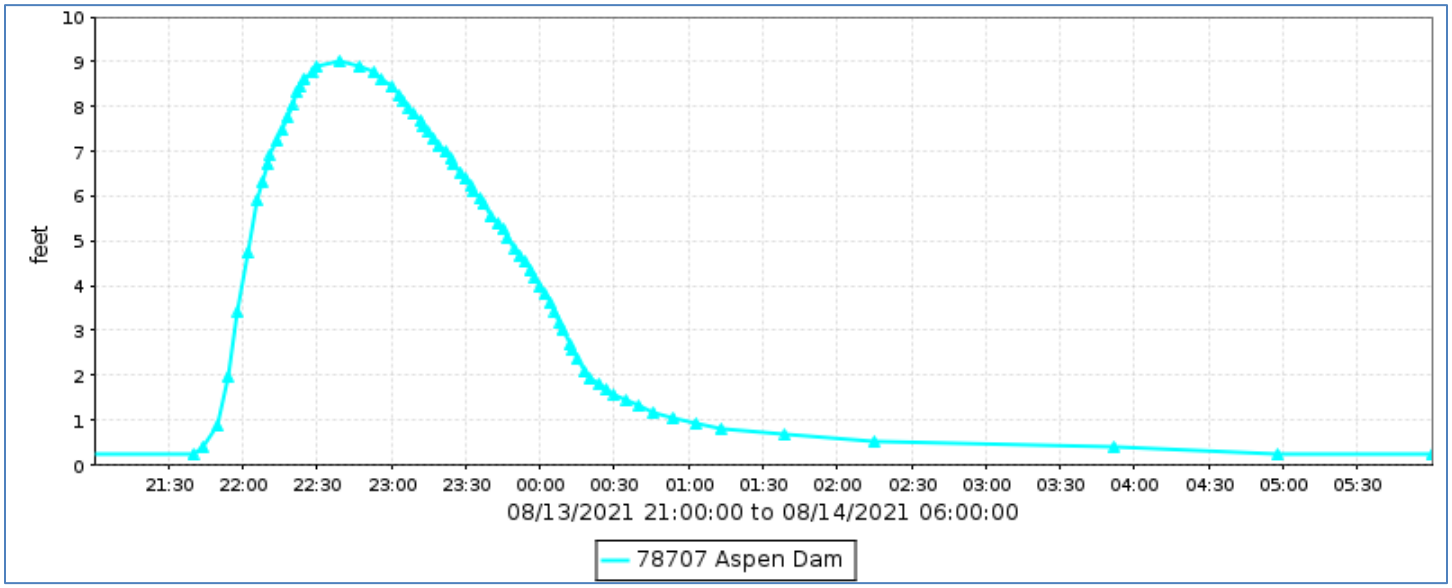




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/23/2021	1.73	0.3	0.5
08/11/2021	3.68	2.5	1.4
08/13/2021	9.03	22.4	12.2

Hydrograph of peak WY 2021 impoundment event, 08/13/2021



Aspen Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11											5	
12												
13											11	
14											2	
15												
16												
17											1	
18												
19												
20												
21												
22												
23										2	1	
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	2	19	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	26	158	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	4	38	0

WTR YR 2021 TOTAL 21 MEAN 0 MAX 158 MIN 0 AC_FT 42

Aspen Dam, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 22 MIN 0

Aspen Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.5	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	0.8	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	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	0.4	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.7	9.0	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 2021 MEAN 0.24 MAX 9.03 MIN 0.24

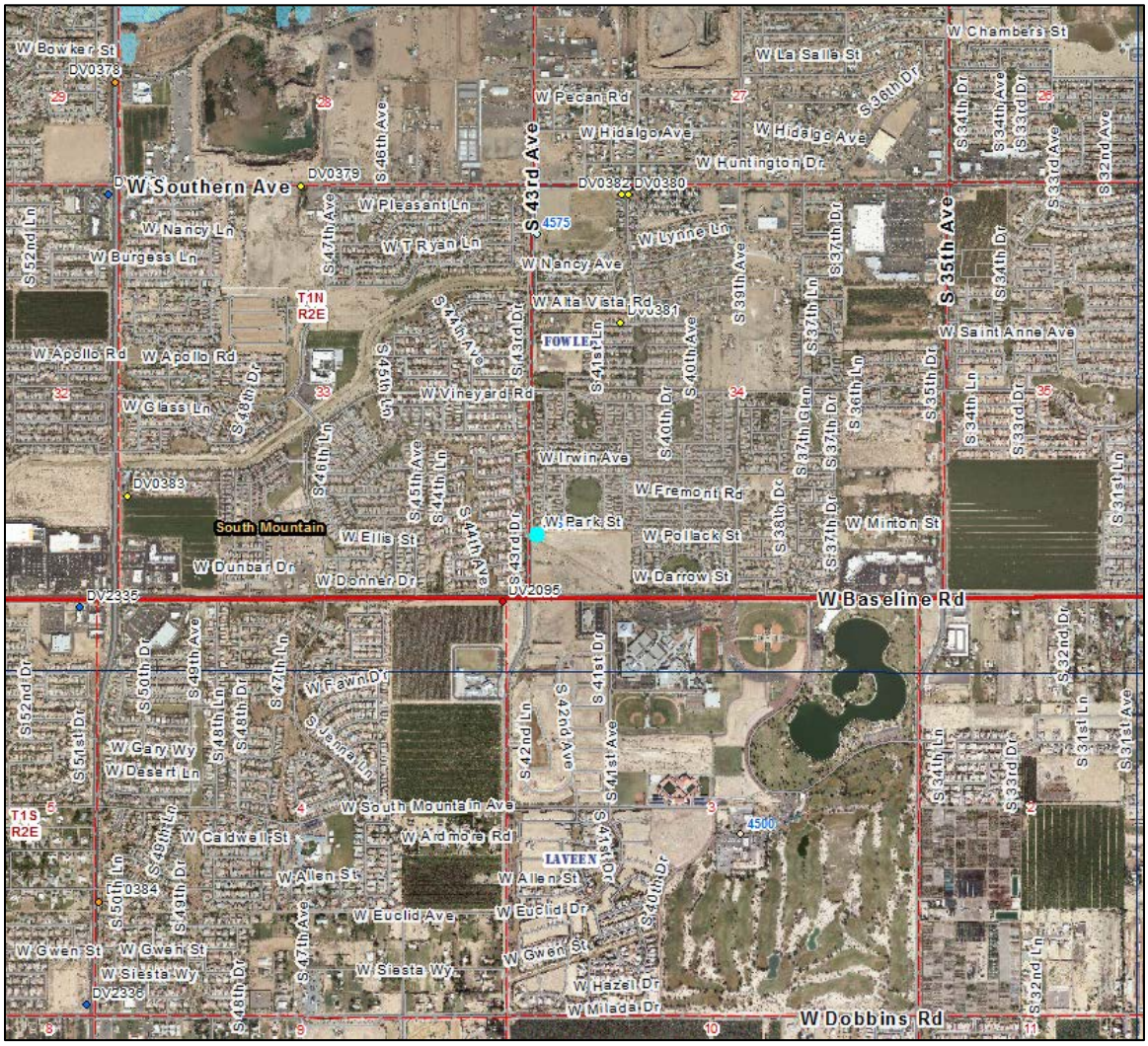
Baseline Road at 43rd Avenue Basin, ID #66407

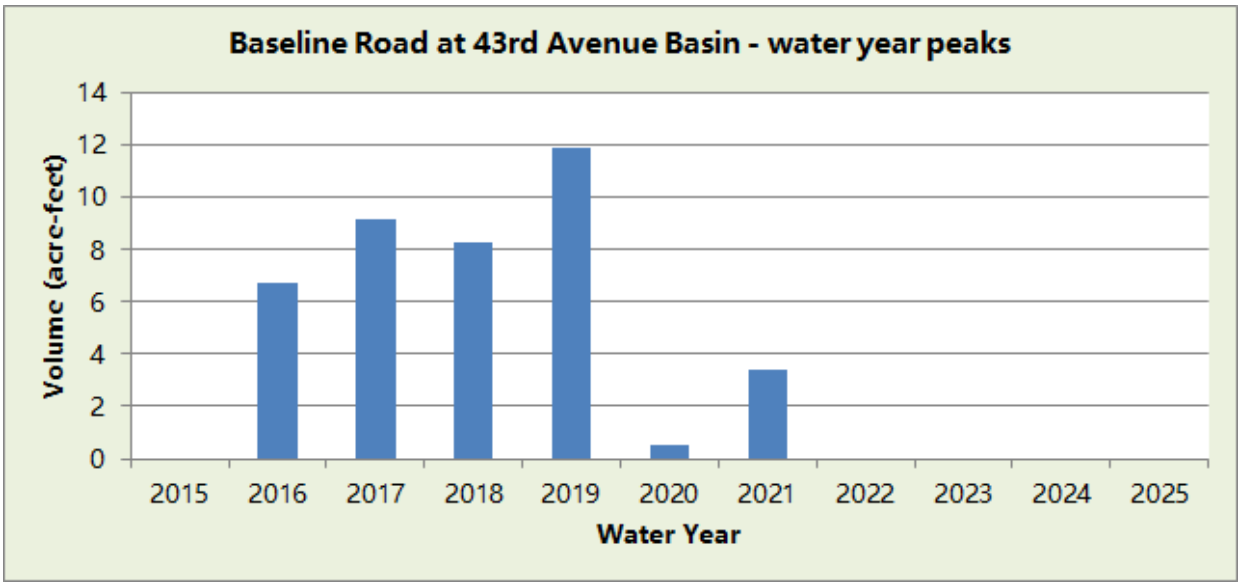


Site Data

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	6.00 Years | 2,192 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

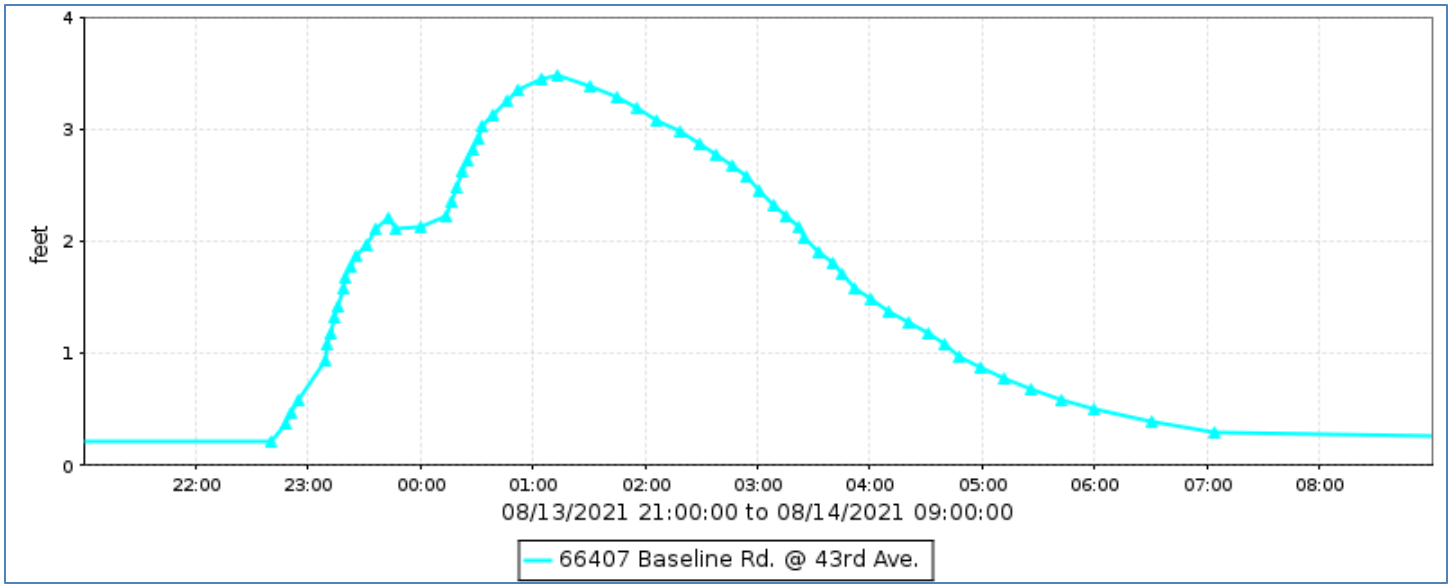




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2020	2.23	0.4	1.1
01/25/2021	1.17	0.0	0.0
01/29/2021	0.62	0.0	0.0
07/14/2021	3.40	3.2	7.1
07/23/2021	1.07	0.0	0.0
07/24/2021	0.82	0.0	0.0
07/25/2021	0.97	0.0	0.0
08/14/2021	3.48	3.4	7.6
08/16/2021	1.15	0.0	0.0
09/01/2021	1.27	0.0	0.0
09/18/2021	0.62	0.0	0.0

Hydrograph of peak WY 2021 impoundment event, 08/14/2021



Baseline Road at 43rd Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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 2021 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 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 3 MIN 0

Baseline Road at 43rd Avenue Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.3
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
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	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.3	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	0.3	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	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	0.3	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	0.3
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	0.4	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
25	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.5	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	0.3	---	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	2.2	1.2	0.2	0.2	0.2	0.2	0.5	3.4	3.5	1.3
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2021 MEAN 0.21 MAX 3.48 MIN 0.20

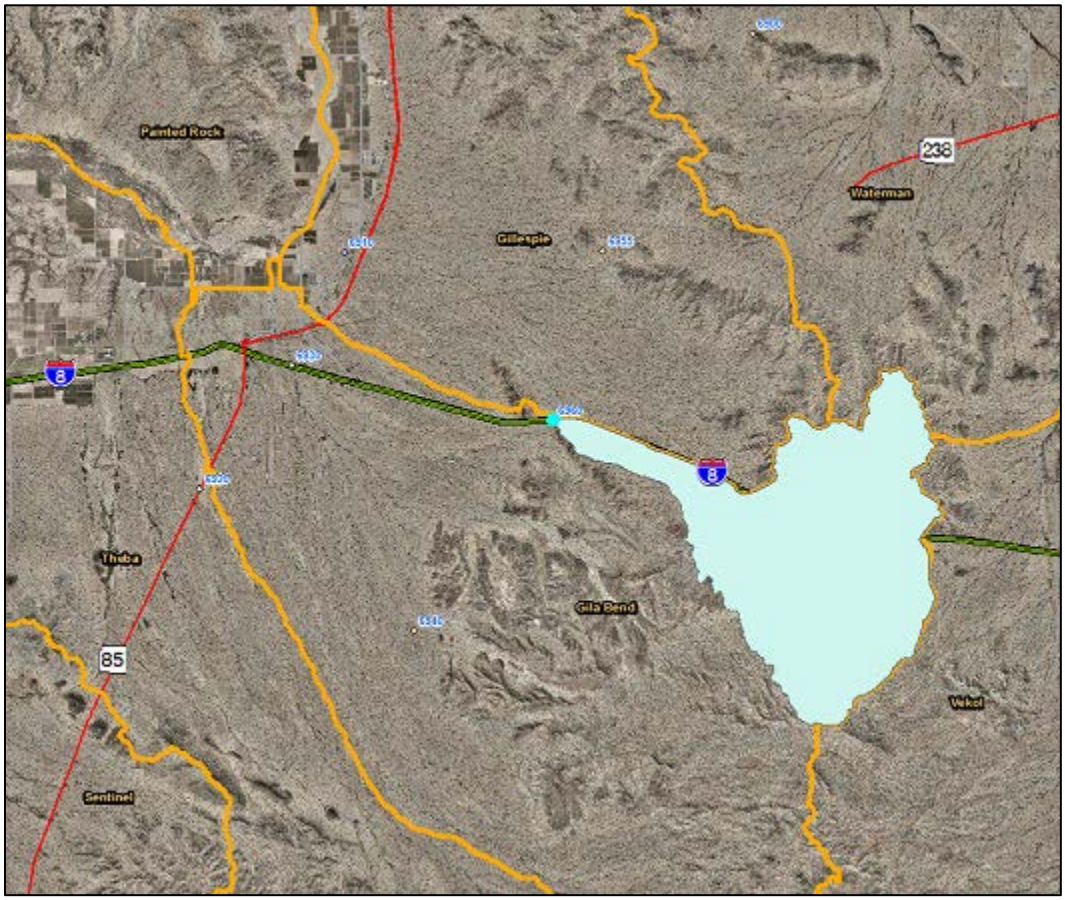
Bender Wash, ID #40507

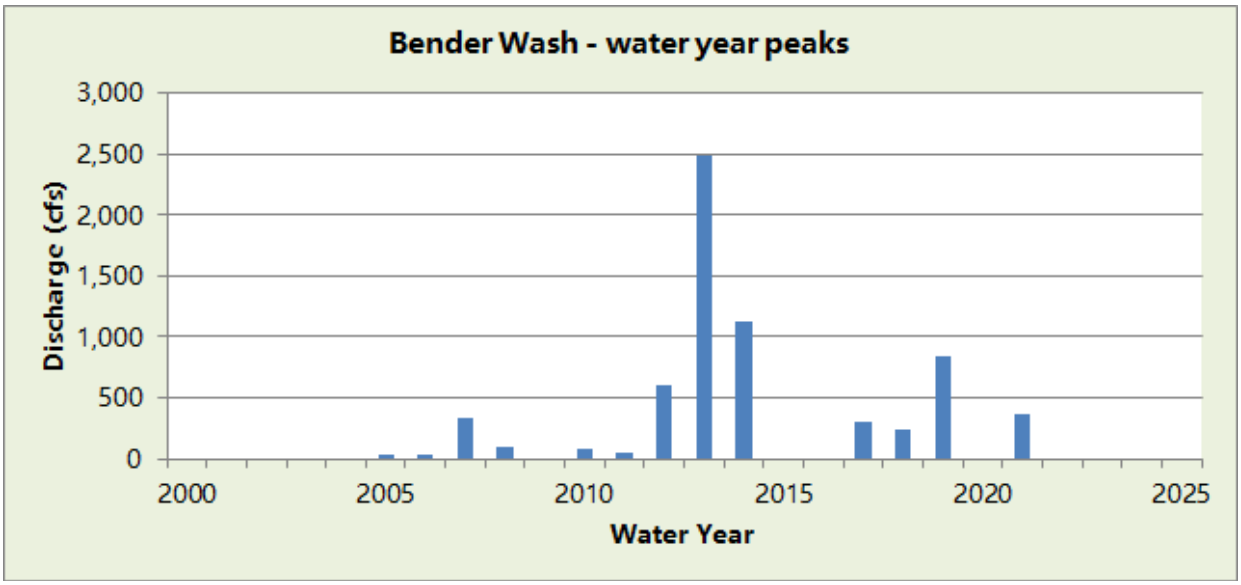


Site Data

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	17.39 Years | 6,351 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





WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/14/2021	2.75	364

Hydrograph of peak WY 2021 flow event, 08/14/2021

No data available for plot.

Flood Flow Frequency

Flood Flow Frequency HEC-WRC computation (based on data from 1963 – 1979, 1983, 1991 – 1996, 2004 - 2021)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
75	**517**	**1,280**	**2,570**	**5,330**	**8,410**

NOTE: These results are based on limited data.

Bender Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 2 MEAN 0 MAX 57 MIN 0 AC_FT 5

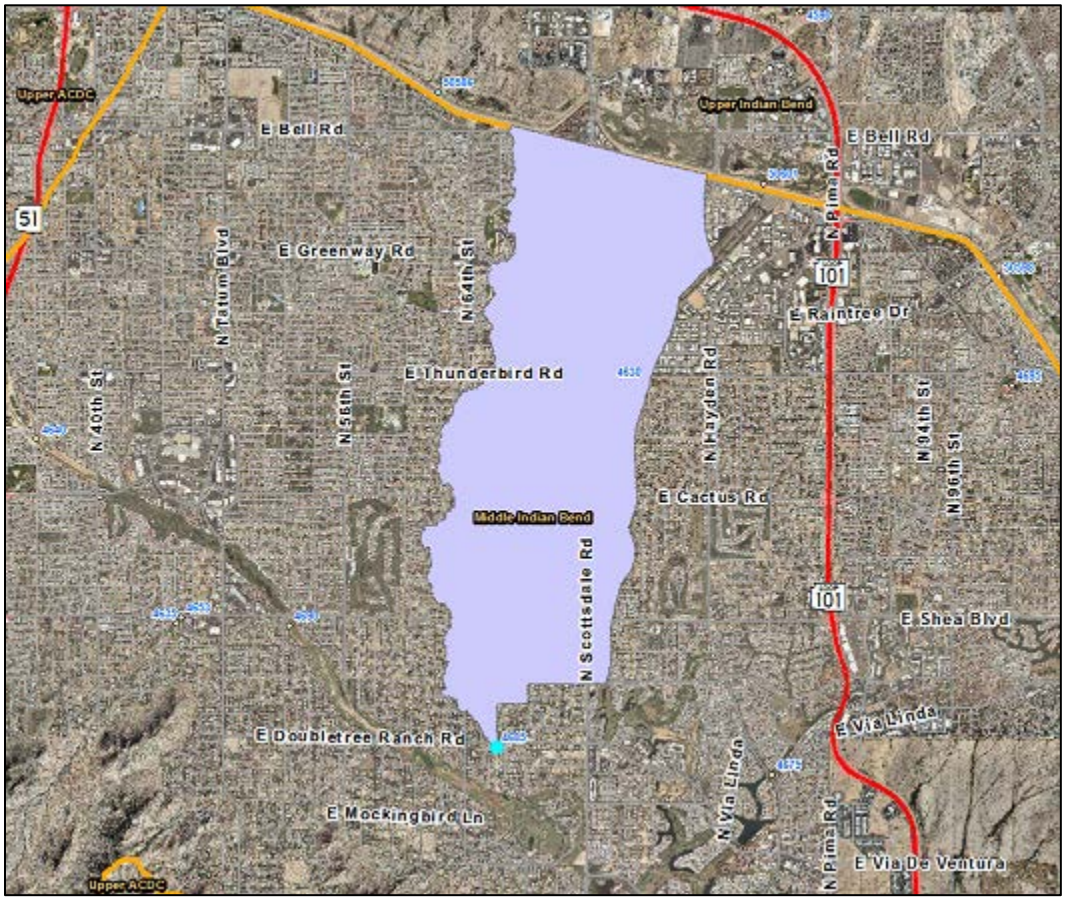
Berneil Wash, ID #59207

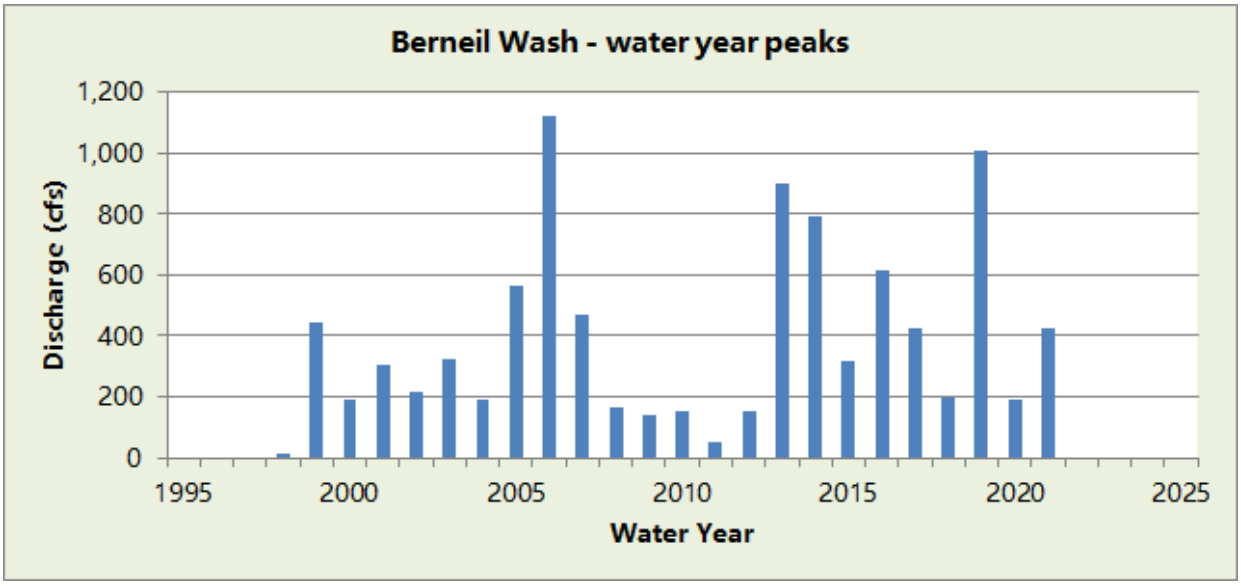


Site Data

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	23.17 Years | 8,464 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

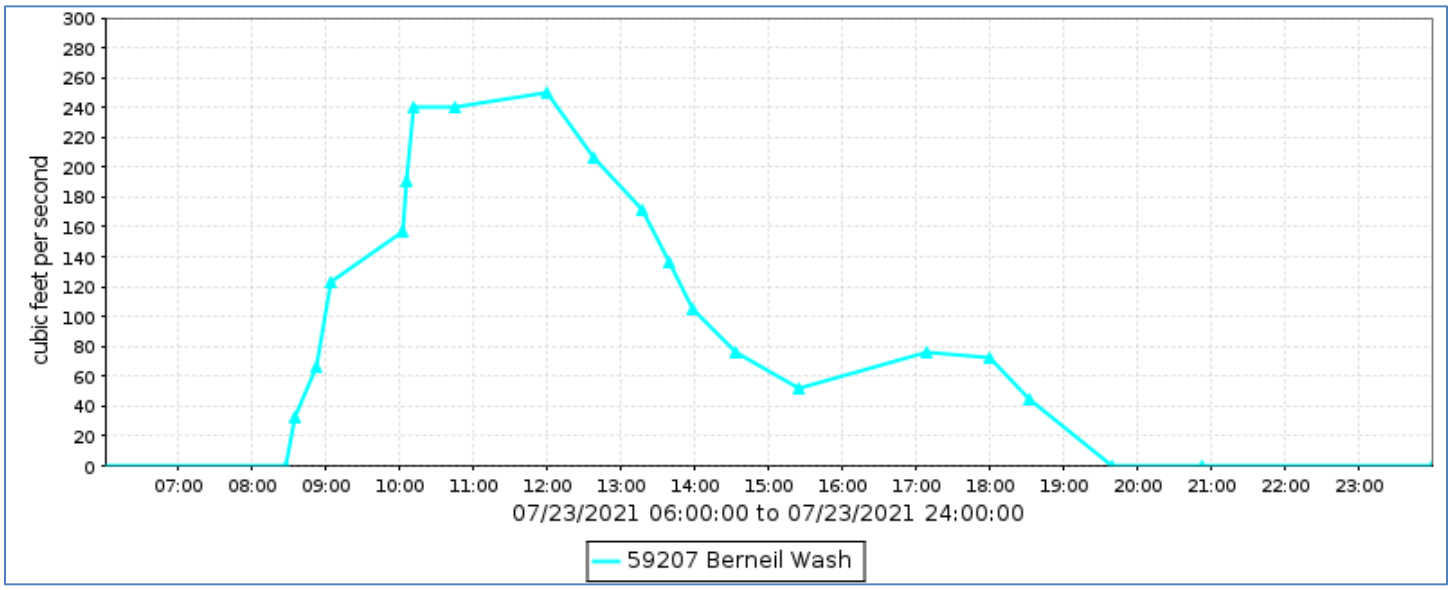




Berniel Wash, WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
12/10/2020	0.24	33
01/24/2021	0.24	33
01/25/2021	0.97	216
07/16/2021	0.29	45
07/23/2021	1.07	250
07/25/2021	0.49	87
08/11/2021	0.44	76
08/12/2021	0.47	83
08/13/2021	0.27	40
08/17/2021	1.52	422
08/18/2021	0.82	171
08/31/2021	0.24	33
09/26/2021	0.12	11

Hydrograph of peak WY 2021 flow event, 07/23/2021



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**
316	**585**	**794**	**1,010**	**1,320**	**1,560**

Berneil Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												2
2												
3												
4												
5												
6												
7												
8												
9												
10			3									
11											5	
12											5	
13												
14											9	
15												---
16										2		
17											40	
18											23	
19												
20												
21												
22												
23										57		
24				2								
25				25						4		
26				2								1
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	3	29	0	0	0	0	0	63	82	3
MEAN	0	0	0	1	0	0	0	0	0	2	3	0
MAX	0	0	33	216	1	0	0	0	0	250	422	14
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	6	58	0	0	0	0	0	125	163	6

WTR YR 2021 TOTAL 180 MEAN 0 MAX 422 MIN 0 AC_FT 358

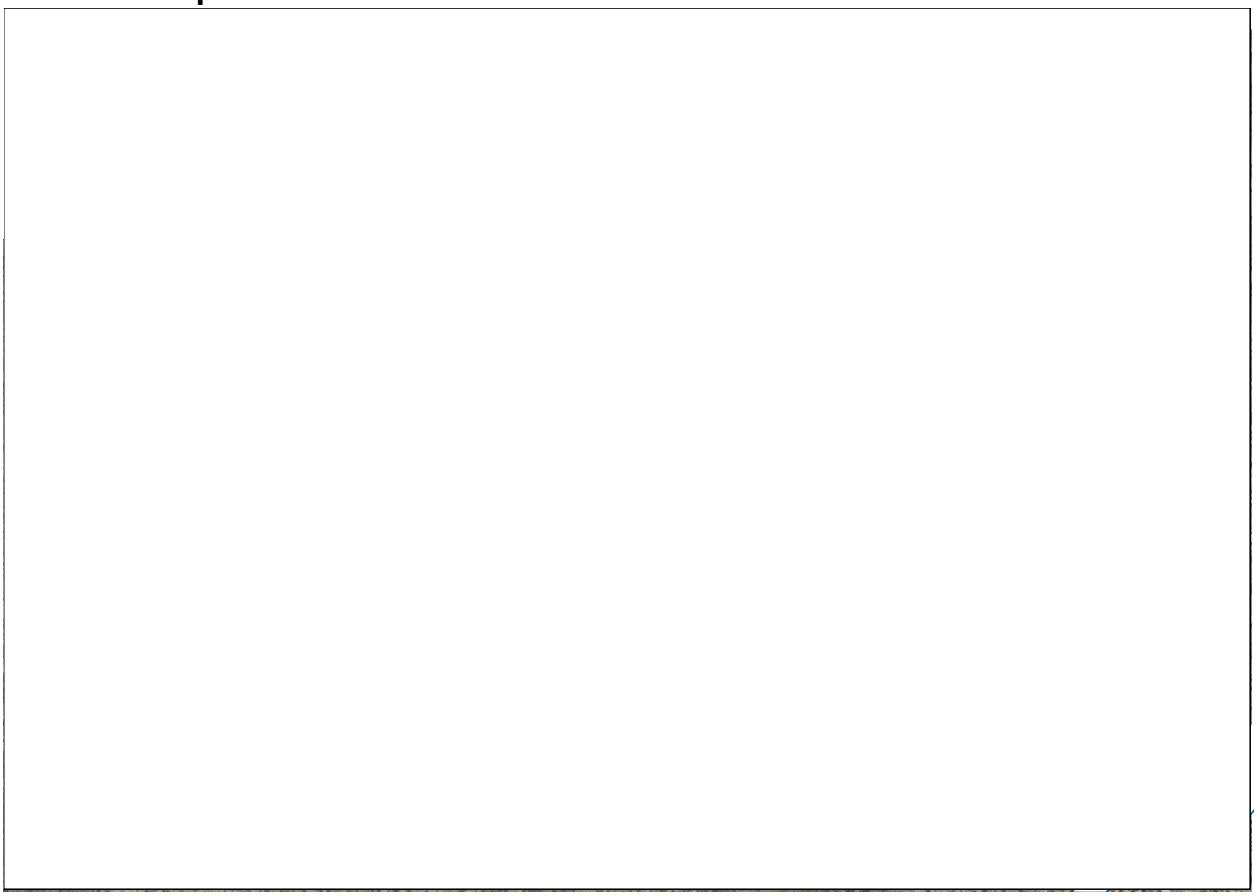
Blue Tank Wash, ID #52707

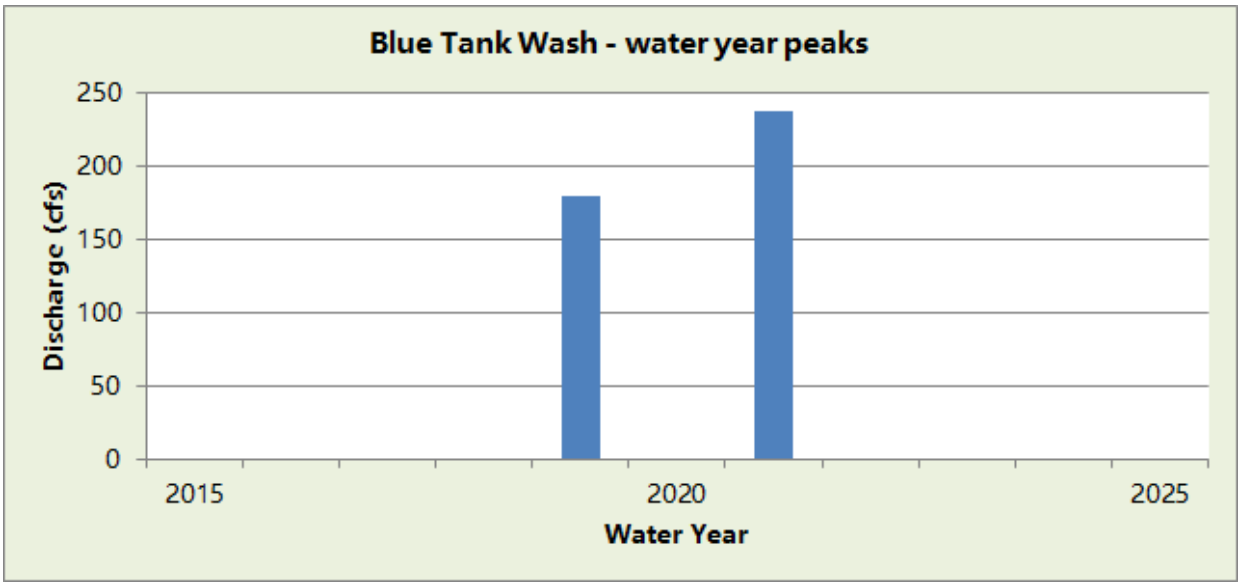


Site Data

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	2.34 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	238 cfs | 1.34 feet GH | 07/31/2021

Location Map

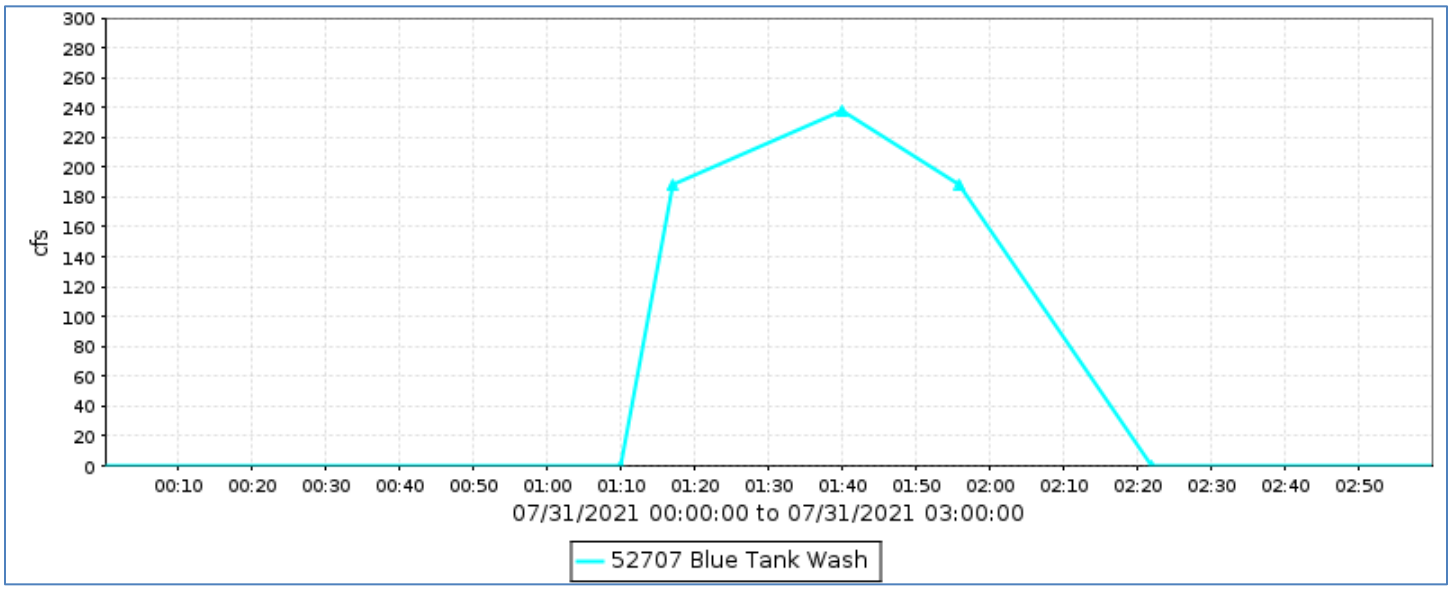




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/21/2021	1.24	196
07/24/2021	1.29	216
07/31/2021	1.34	238
08/10/2021	1.24	196

Hydrograph of peak WY 2021 flow event, 07/31/2021



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 2020 to September 2021

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											2	
11												
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26												
27												
28												
29					---							
30					---							
31		---			---		---		---	9		---
TOTAL	0	0	0	0	0	0	0	0	0	16	2	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	0	0	0	0	0	0	0	238	196	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	32	4	0

WTR YR 2021 TOTAL 18 MEAN 0 MAX 238 MIN 0 AC_FT 35

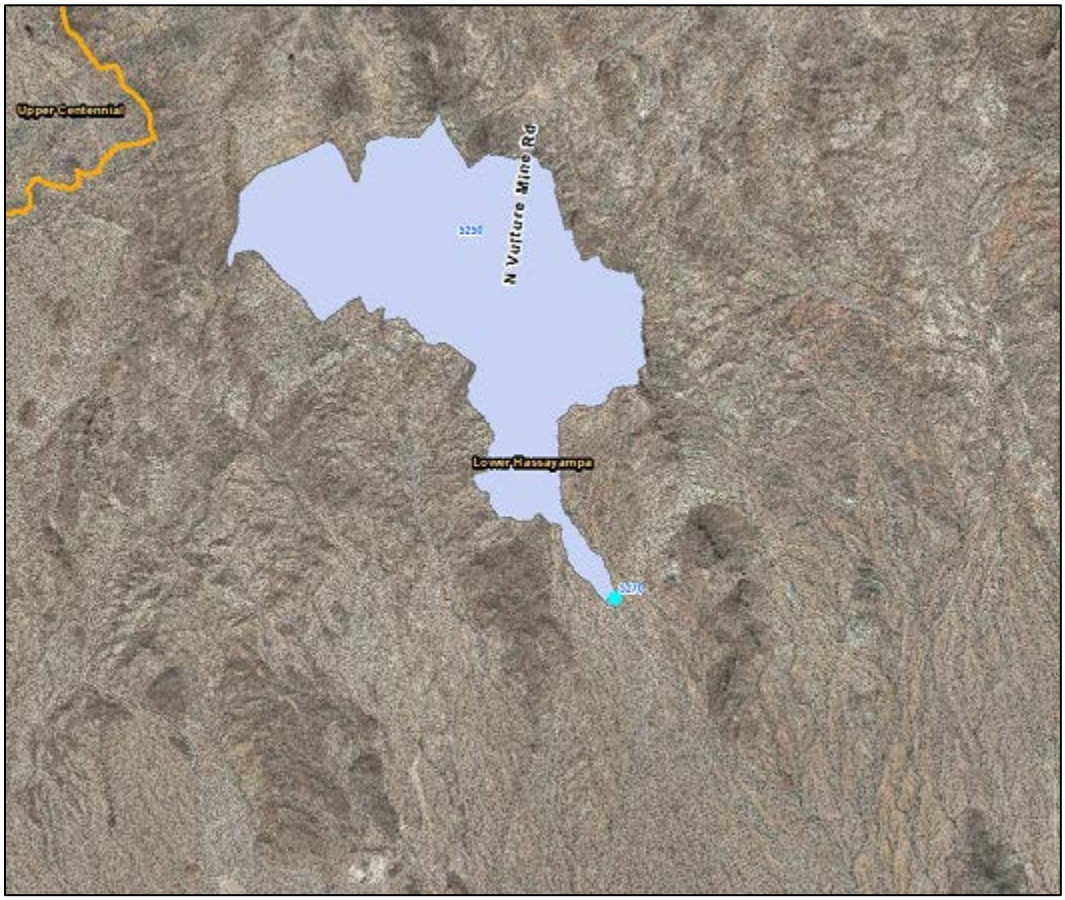
Box Wash, ID #47507

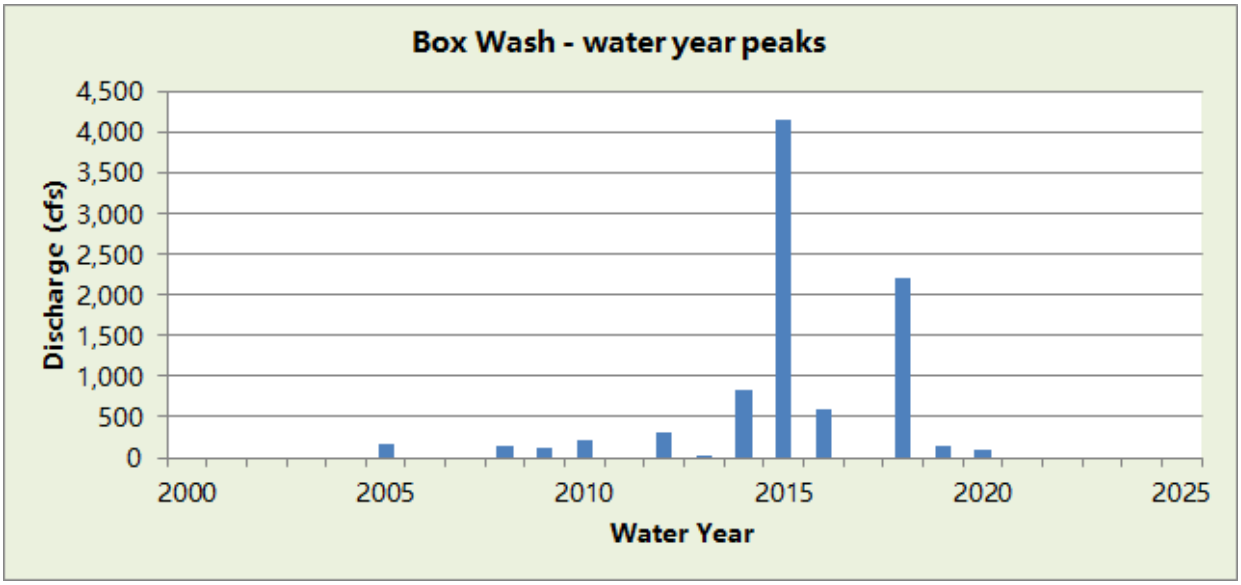


Site Data

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	18.56 Years | 6,779 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

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**
55	**529**	**1,450**	**3,050**	**6,480**	**10,000**

NOTE: These results are based on very limited data.

Box Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

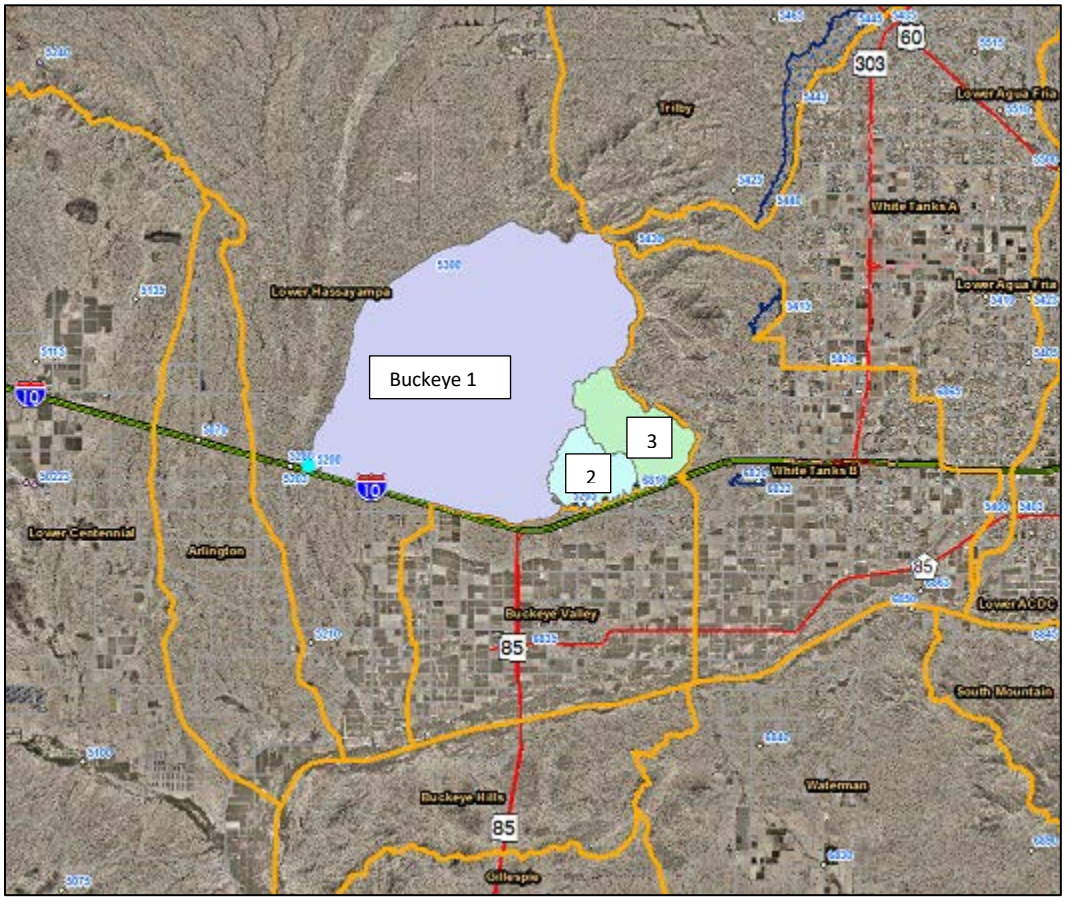
Buckeye FRS #1, ID #44007

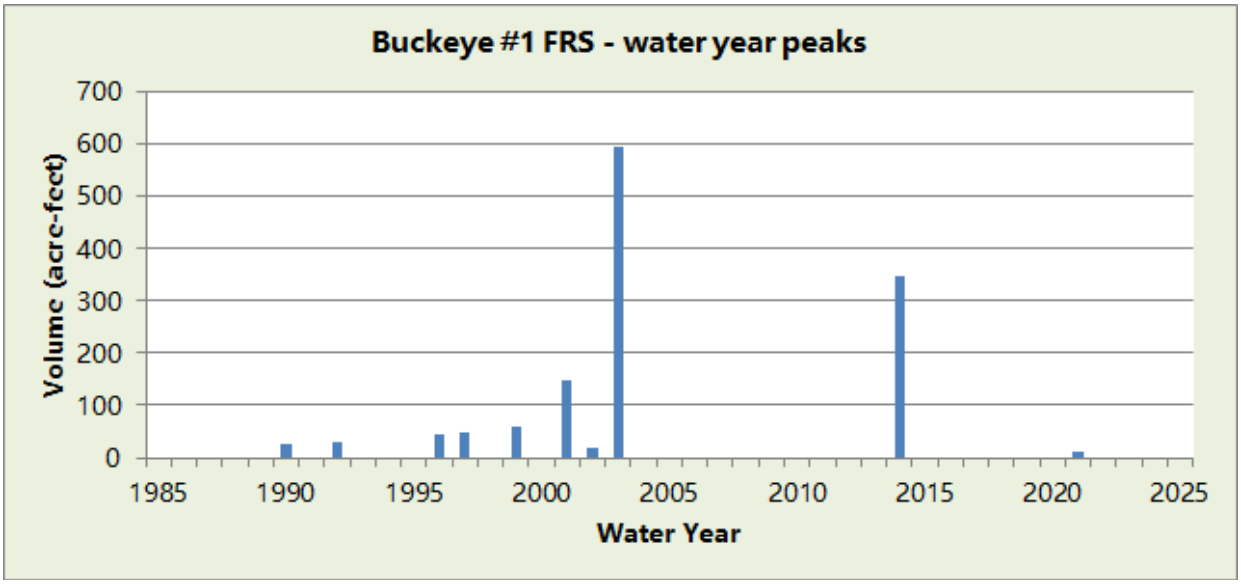


Site Data

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	33.86 Years | 12,366 Days
DATA GAPS IN POR	01/21/2010 - 03/01/2010, 05/28/2021 – 07/11/2021
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

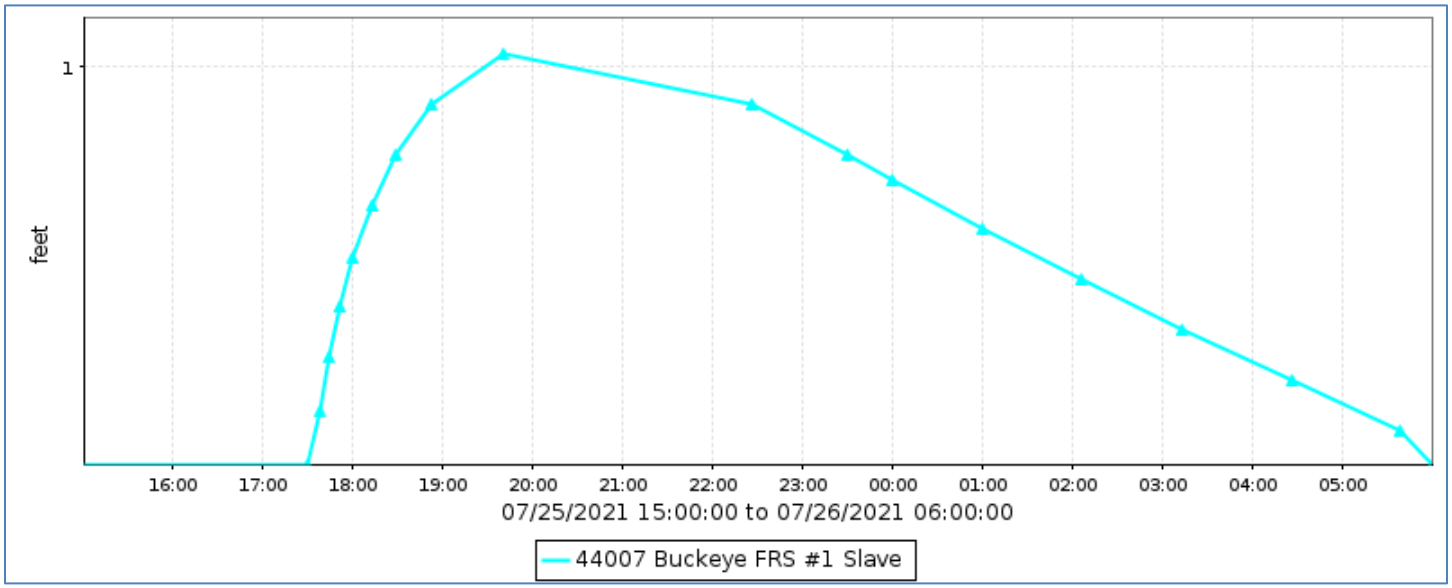




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/25/2021	1.03	9.5	0.5
09/02/2021	0.83	0.5	0.4

Hydrograph of peak WY 2021 impoundment event, 07/25/2021



Buckeye FRS #1, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 3 MEAN 0 MAX 9 MIN 0 AC_FT 5

NOTE: Station was down from May 28 – July 11, 2021 due to a radio connection problem. No events were missed.

Buckeye FRS #1, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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									---	1		
26		---							---			---
27		---							---			
28		---						---	---			
29		---			---			---	---			
30		---			---			---	---			
31		---			---		---	---	---			---
MEAN	0	0	0	0	0	0	0	0	---	0	0	0
MAX	0	0	0	0	0	0	0	0	---	9	0	0
MIN	0	0	0	0	0	0	0	0	---	0	0	0

WTR YR 2021 MEAN 0 MAX 9 MIN 0

Buckeye FRS #1, stage data

Depth, in feet, Water Year October 2020 to September 2021

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
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	---	0.2	0.4
3	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
5	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
7	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
9	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
11	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
13	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
15	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
17	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
19	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
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
24	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	---	0.4	0.2	0.2
26	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	---	0.3	0.2	---
27	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
29	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
31	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
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	1.0	0.2	0.8
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2

WTR YR 2021 MEAN 0.20 MAX 1.03 MIN 0.20

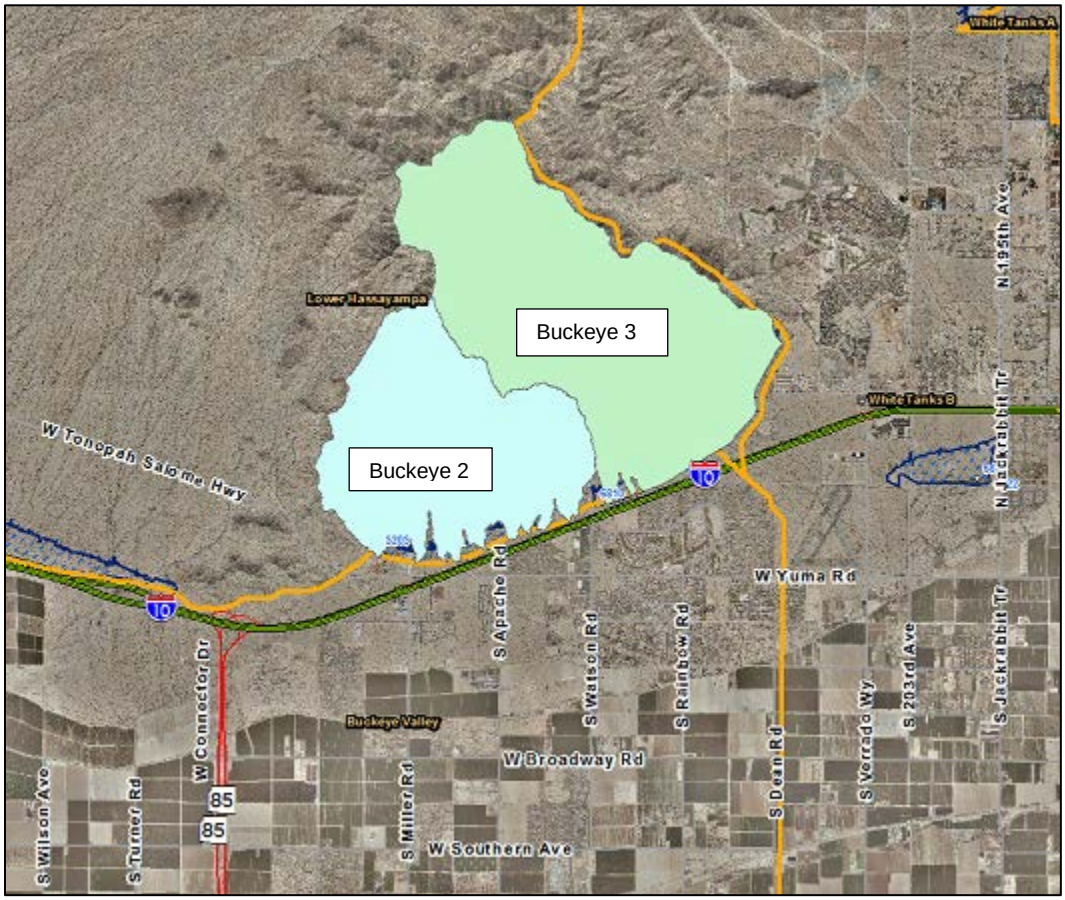
Buckeye FRS #2, ID #44507

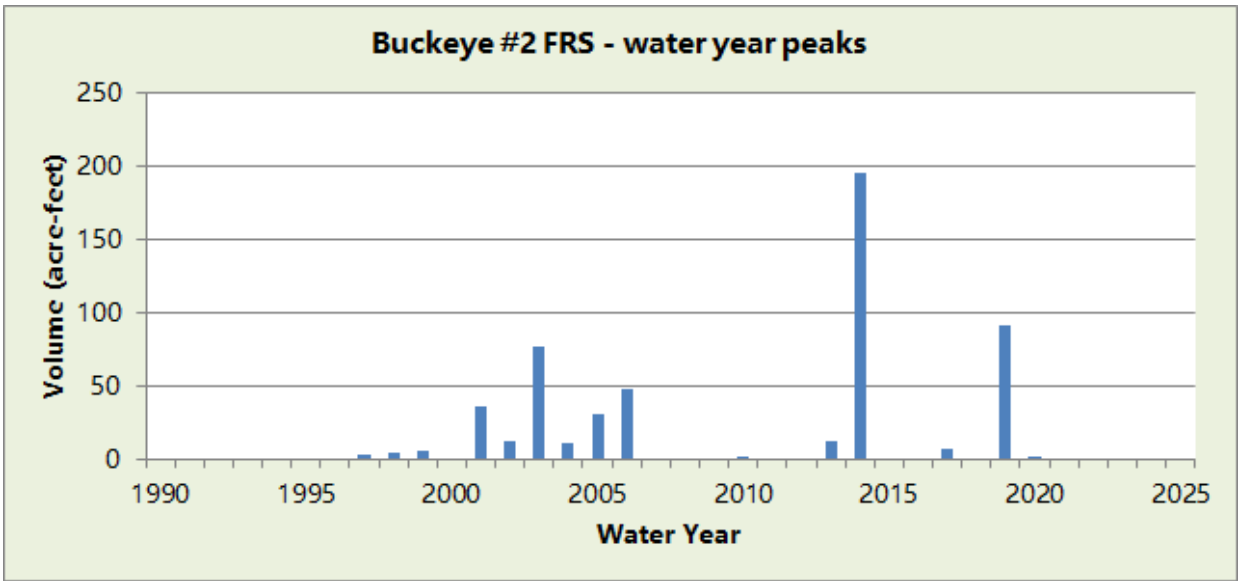


Site Data

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	28.89 Years | 10,551 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	-1.39 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,098.10 feet NAVD88
POINT OF ZERO FLOW	-1.54 feet Gage Height
SPILLWAY ELEVATION	15.0 feet Gage Height
TOP OF DAM ELEVATION	20.5 feet Gage Height

Watershed Map

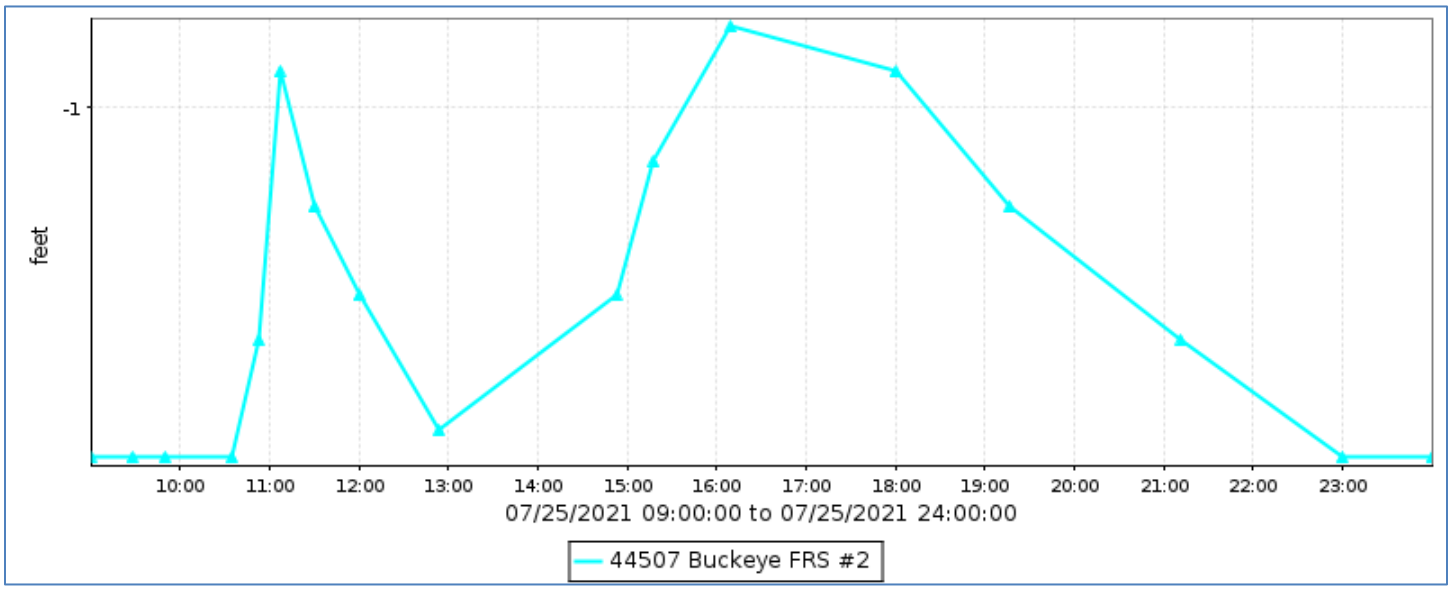




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/25/2021	-0.91	0.0	0.0

Hydrograph of peak WY 2021 impoundment event, 07/25/2021



Buckeye FRS #2, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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										1		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	3	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	2	0	0

WTR YR 2021 TOTAL 1 MEAN 0 MAX 3 MIN 0 AC_FT 2

Buckeye FRS #2, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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 2021 MEAN 0 MAX 0 MIN 0

Buckeye FRS #2, stage data

Depth, in feet, Water Year October 2020 to September 2021

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
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
12	-1.4	-1.4	-1.4	-1.4	-1.4	---	0.0	-1.4	-1.4	-1.4	-1.4	-1.4
13	-1.4	-1.4	-1.4	-1.4	---	0.0	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
14	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	---	-1.4	-1.4	-1.4	-1.4	-1.4
15	-1.4	-1.4	-1.4	-1.4	---	---	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
16	-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	0.0	-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	-1.3	-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
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	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-0.9	-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 2021 MEAN -1.39 MAX -0.91 MIN -1.39

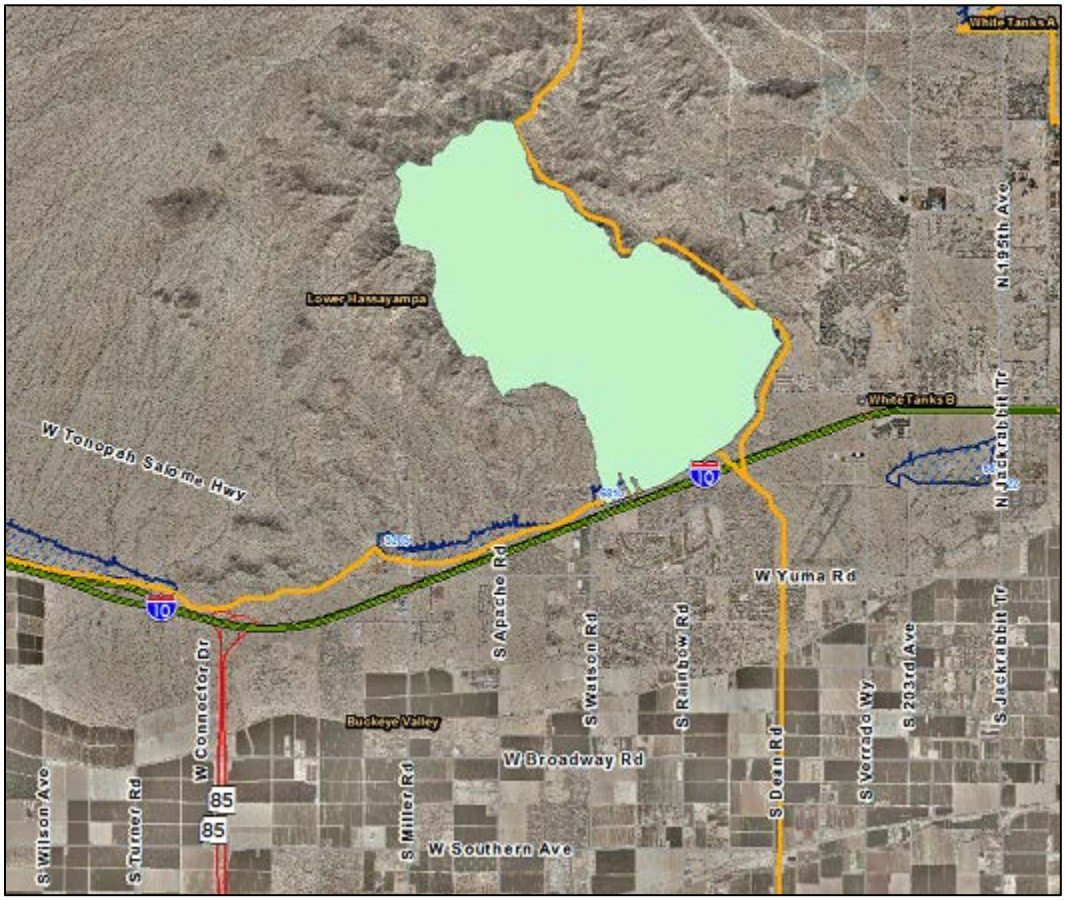
Buckeye FRS #3, ID #48807

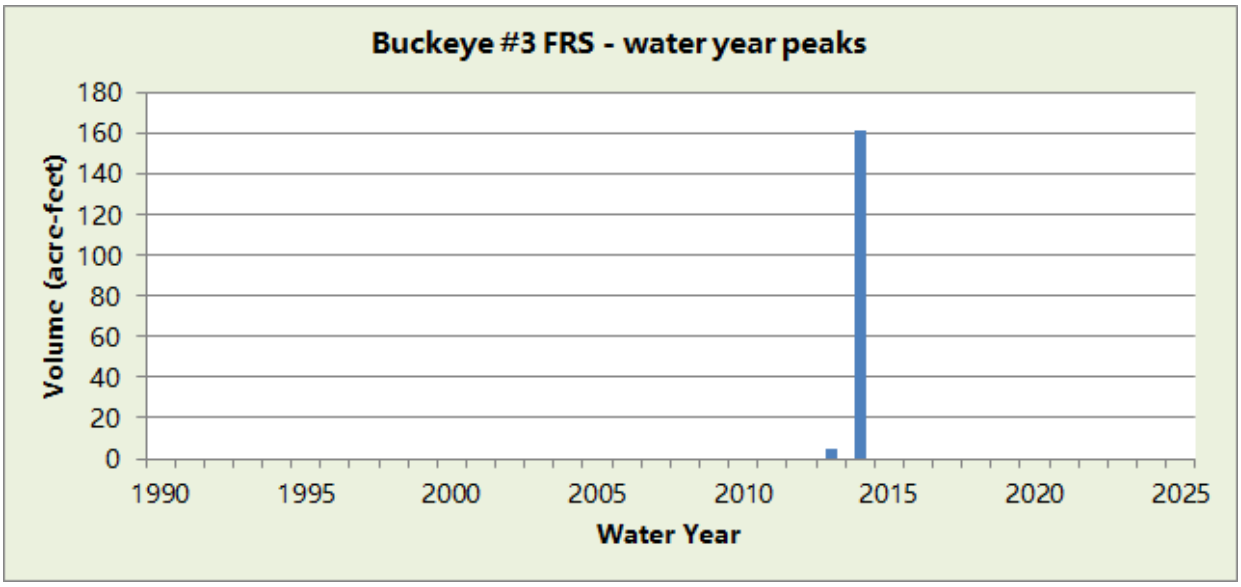


Site Data

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	28.85 Years | 10,539 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	-4.10 feet Gage Height
SPILLWAY ELEVATION	14.00 feet Gage Height
TOP OF DAM ELEVATION	20.50 feet Gage Height

Watershed Map

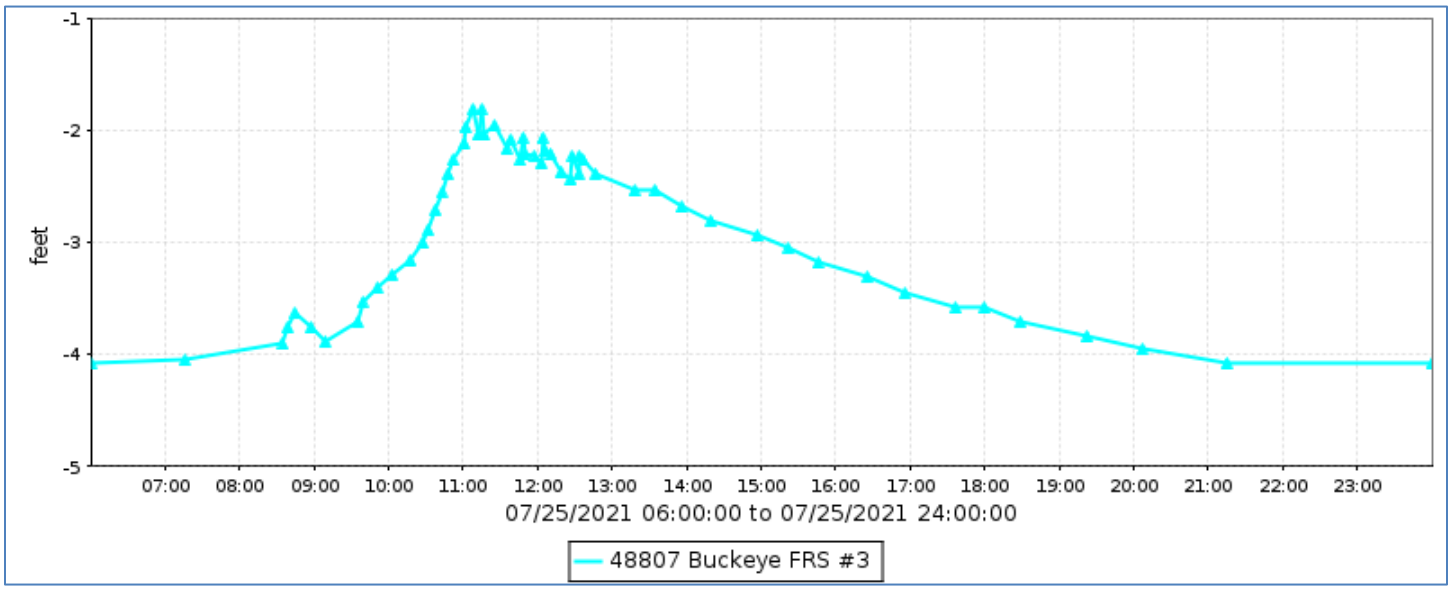




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/25/2021	-1.82	0.0	0.0
08/13/2021	-3.44	0.0	0.0

Hydrograph of peak WY 2021 impoundment event, 07/25/2021



Buckeye FRS #3, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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										1		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	319	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	2	0	0

WTR YR 2021 TOTAL 1 MEAN 0 MAX 319 MIN 0 AC_FT 2

Buckeye FRS #3, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 0 MIN 0

Buckeye FRS #3, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	-3.6	-4.1	-4.1
26	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
27	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
28	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
29	-4.1	-4.1	-4.1	-4.1	---	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
30	-4.1	-4.1	-4.1	-4.1	---	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
31	-4.1	---	-4.1	-4.1	---	-4.1	---	-4.1	---	-4.1	-4.1	---
MEAN	-4.1	-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	-1.8	-3.4	-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 2021 MEAN -4.08 MAX -1.82 MIN -4.08

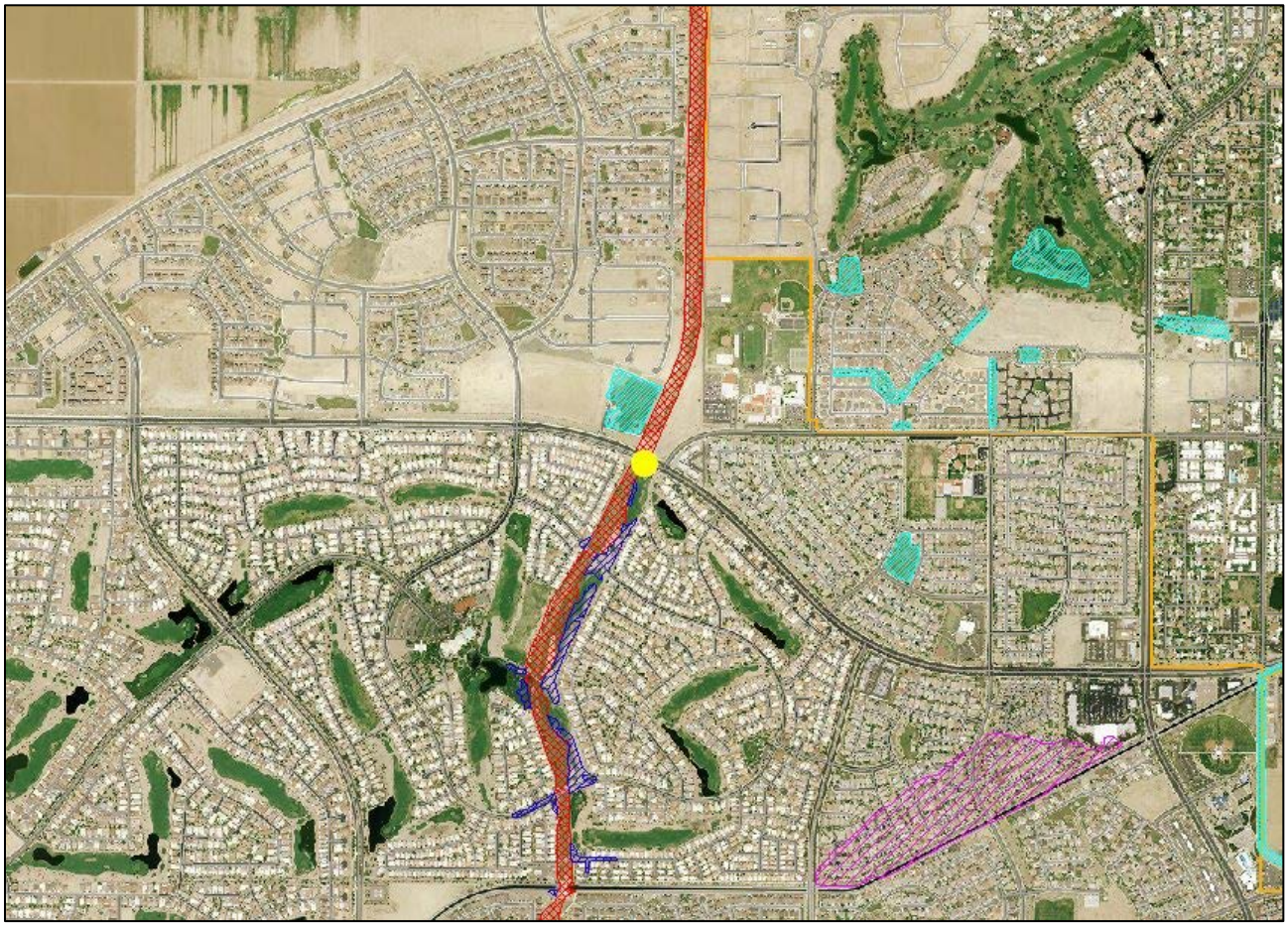
Bullard Wash at Indian School Road, ID #89507

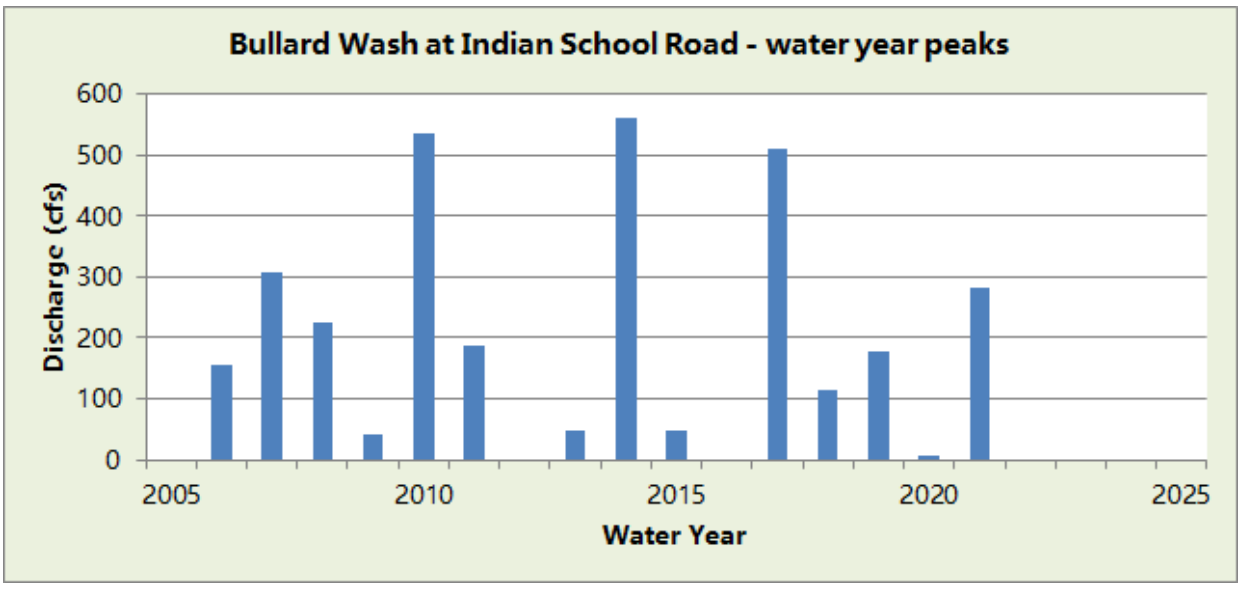


Site Data

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	15.26 Years | 5,575 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

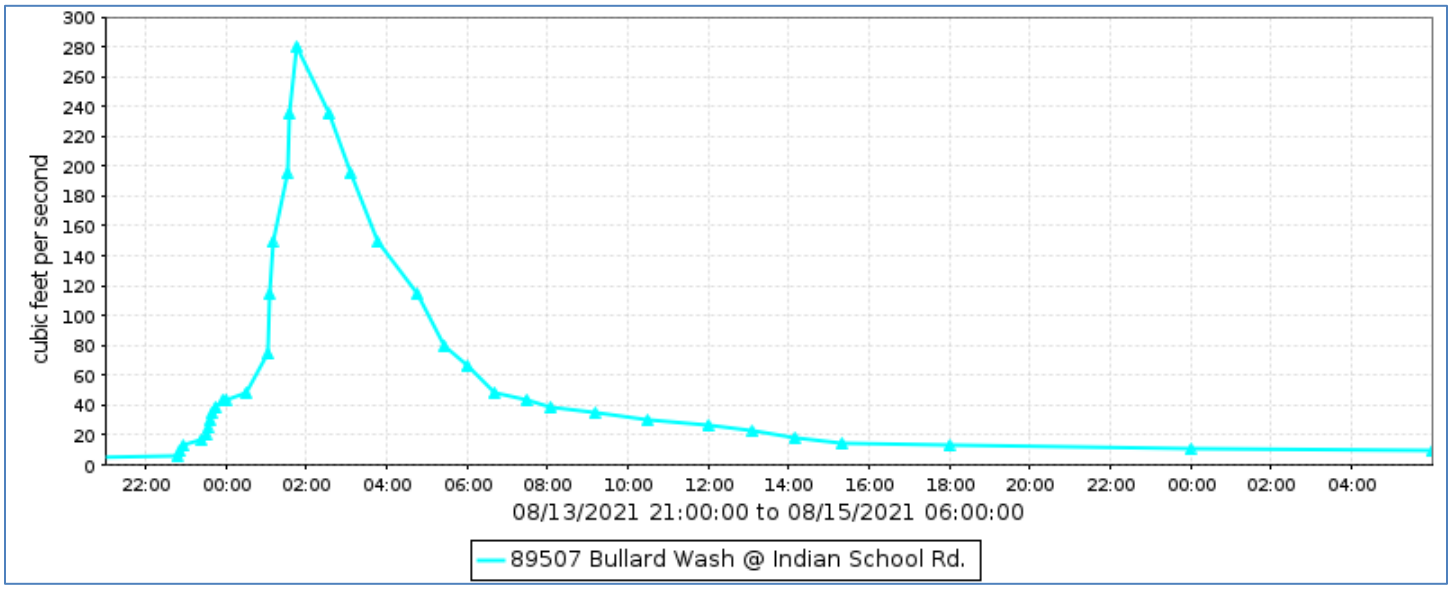




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/03/2021	0.41	11
07/14/2021	0.65	20
07/25/2021	1.37	54
08/11/2021	0.72	22
08/14/2021	1.99	281
08/17/2021	1.73	169

Hydrograph of peak WY 2021 flow event, 08/14/2021



Flood Flow Frequency

Flood Flow Frequency N=16, HEC-WRC computation (based on 16 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
114	**372**	**613**	**875**	**1,230**	**1,500**

Bullard Wash at Indian School Road, ID #6868

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	25	5			9				4	4	5
2	30	24	4		1	12				5	4	6
3	26	22	3		2	8				6	4	4
4	25	22	9		4	11				7	5	3
5	24	22	4		1	14				4	5	4
6	27	21	4		2	18				4	5	4
7	29	20	5		4	13			1	4	5	4
8	28	18	7		3	11			4	5	5	4
9	25	17	4		1	16			4	5	5	4
10	24	16	9		6	16			4	5	4	5
11	23	15	10		5	11			4	4	7	5
12	23	8	4		4	7			4	5	9	3
13	25	4	1		1	7			4	5	5	4
14	24	3	3		6	6			4	11	56	4
15	23	3	6		6	8			4	6	9	3
16	22	3	6		4	3			4	4	8	5
17	22		3		9	1			4	8	25	3
18	20	2			11	3			5	6	8	4
19	20	5			8	3			5	4	7	4
20	20	4			4	4			5	5	5	4
21	20	4			4	8			5	5	3	4
22	19	3			8	3			5	4	3	6
23	19	2			4	3			5	4	4	6
24	18				6	3			4	4	4	4
25	17	5			8	3			7	24	4	3
26	18	5			9	3			5	12	4	6
27	22	6			12	3			4	5	4	6
28	23	6			11	3			4	4	4	6
29	23	5			---	3			5	4	4	5
30	23	5			---				5	8	5	2
31	30	---			---		---		---	5	5	---
TOTAL	729	297	86	0	145	213	0	0	104	184	229	133
MEAN	24	10	3	0	5	7	0	0	3	6	7	4
MAX	40	25	15	0	15	20	0	0	11	54	281	15
MIN	17	0	0	0	0	0	0	0	0	2	0	0
AC_FT	1447	590	171	0	287	422	0	0	206	365	454	264

WTR YR 2021 TOTAL 2121 MEAN 6 MAX 281 MIN 0 AC_FT 4208

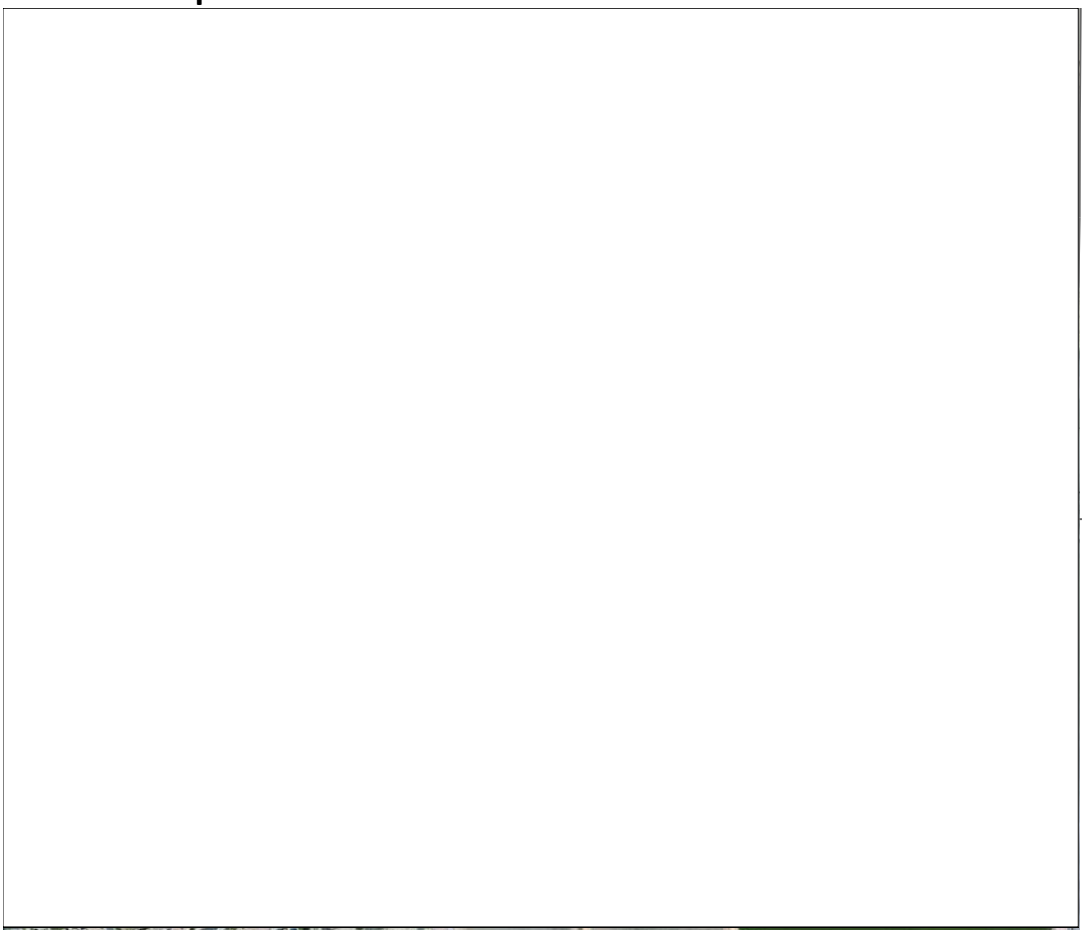
Bullard Wash at Van Buren Street, ID #89207

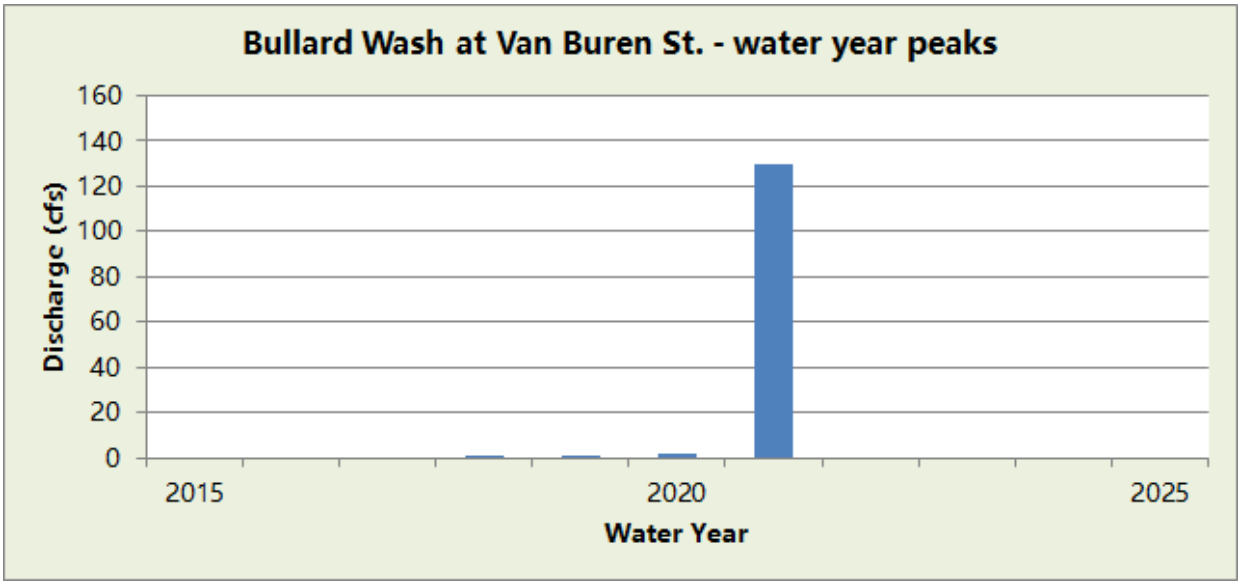


Site Data

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	3.80 Years | 1,388 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	130 CFS | 2.73 feet G.H. | 08/14/2021

Location Map

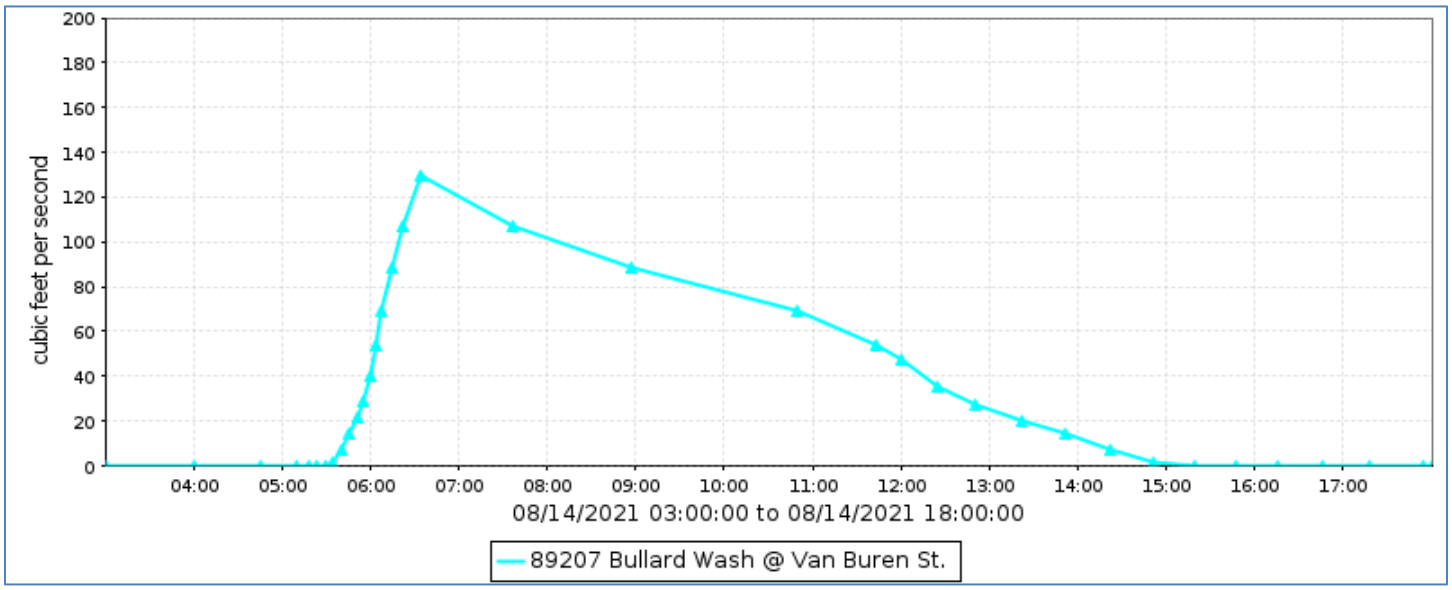




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/14/2021	2.73	130

Hydrograph of peak WY 2021 flow event, 08/14/2021



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 2020 to September 2021

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											27	
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	27	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	0	130	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	53	0

WTR YR 2021 TOTAL 27 MEAN 0 MAX 130 MIN 0 AC_FT 53

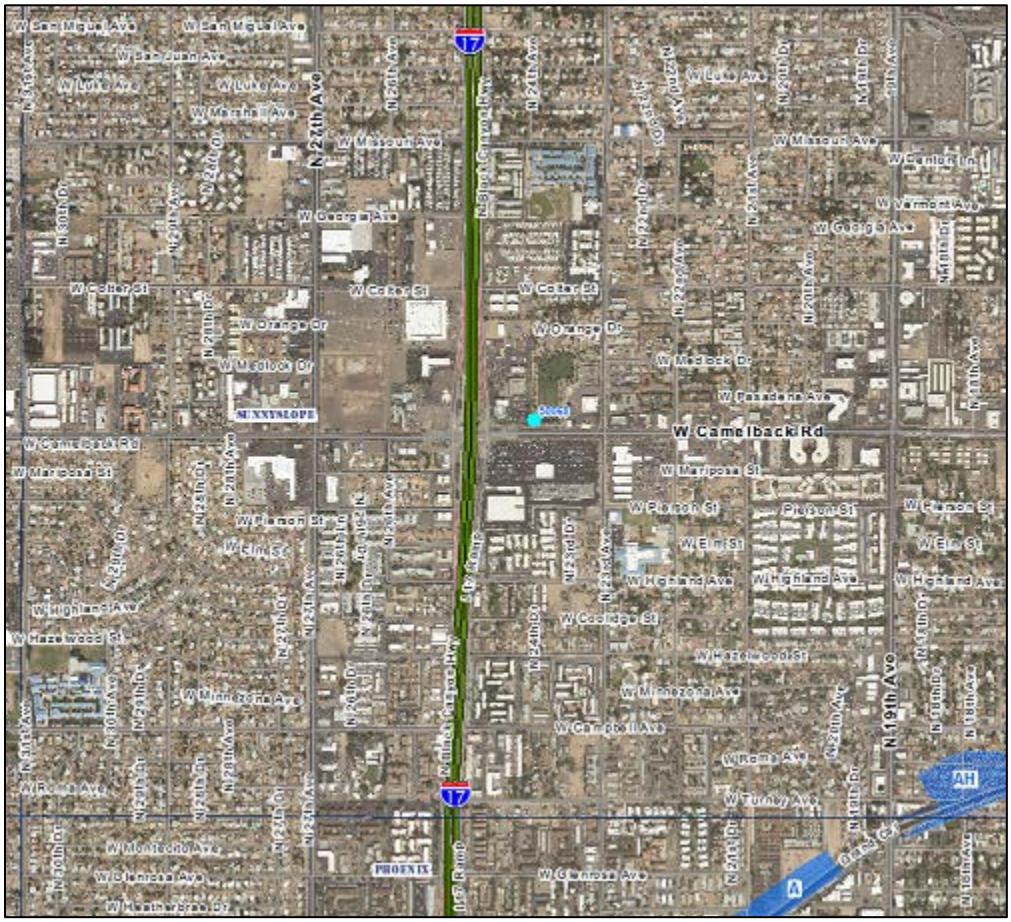
Camelback Road at 24th Avenue Basin, ID #6807

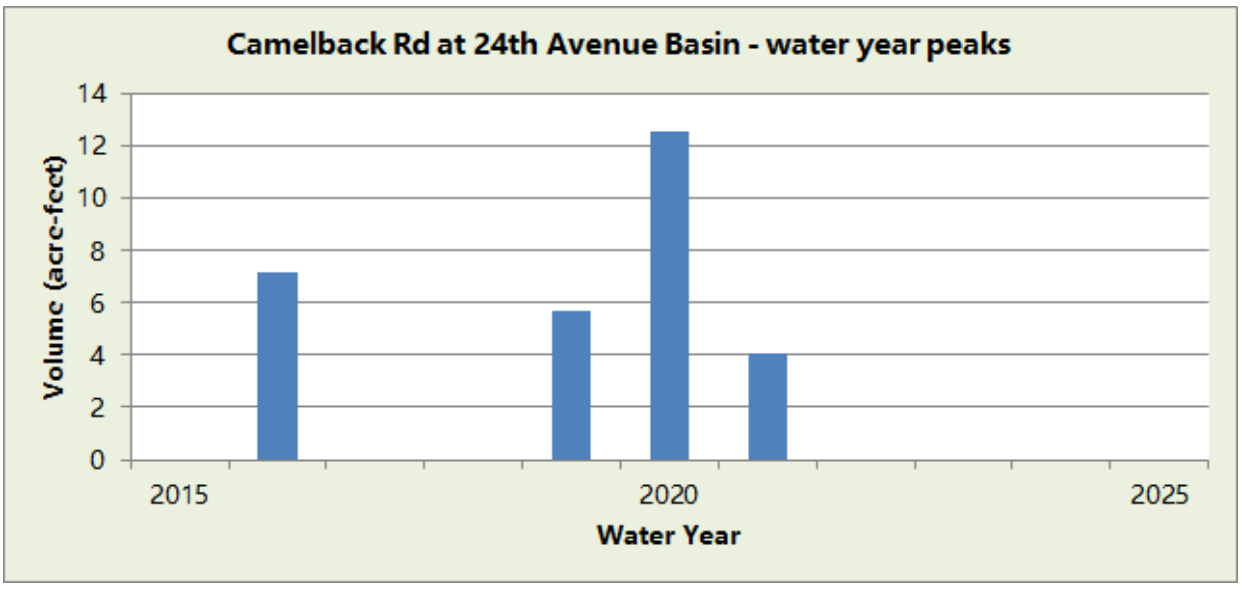


Site Data

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	6.00 Years | 2,192 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

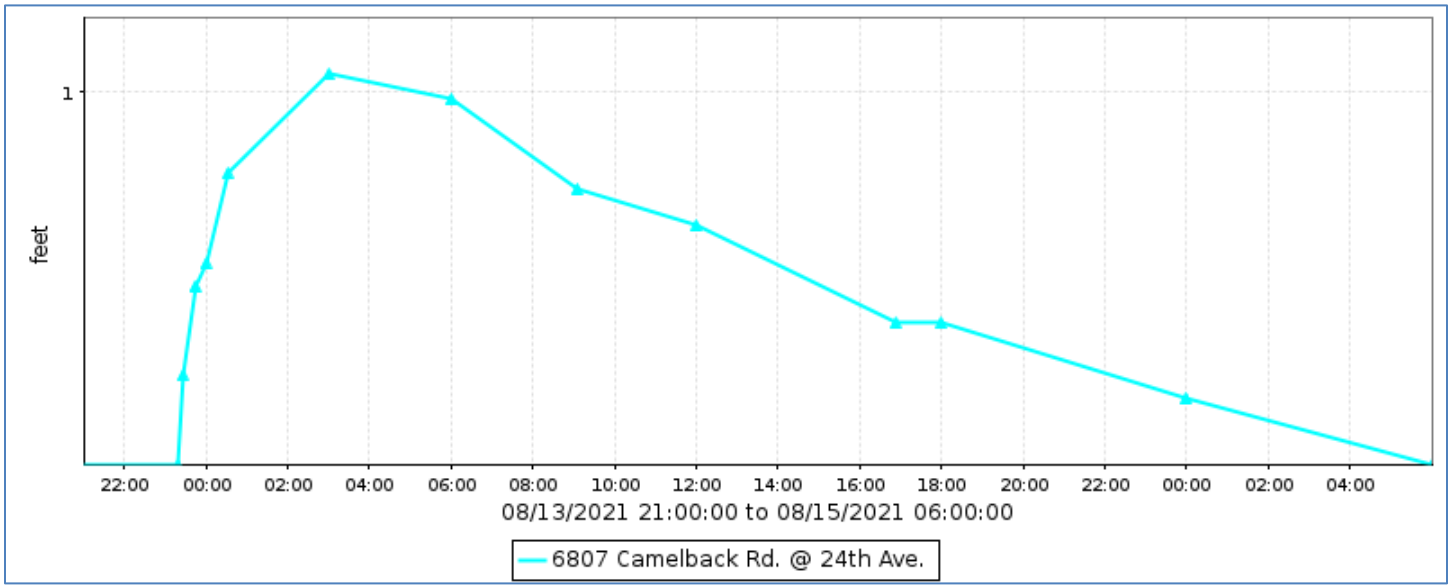




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/14/2021	1.02	4.1	15.8

Hydrograph of peak WY 2021 impoundment event, 08/14/2021



Camelback Road at 24th Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 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 2020 to September 2021

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											3	
15											1	
16												
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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	4	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 4 MIN 0

Camelback Road at 24th Avenue Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.5	0.5	0.5	0.5	0.5	0.5	0.5
14	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.5
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
16	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
19	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
22	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
23	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
26	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
27	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5
31	0.5	---	0.5	0.5	---	0.5	---	0.5	---	0.5	0.5	---
MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MAX	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	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 2021 MEAN 0.50 MAX 1.02 MIN 0.50

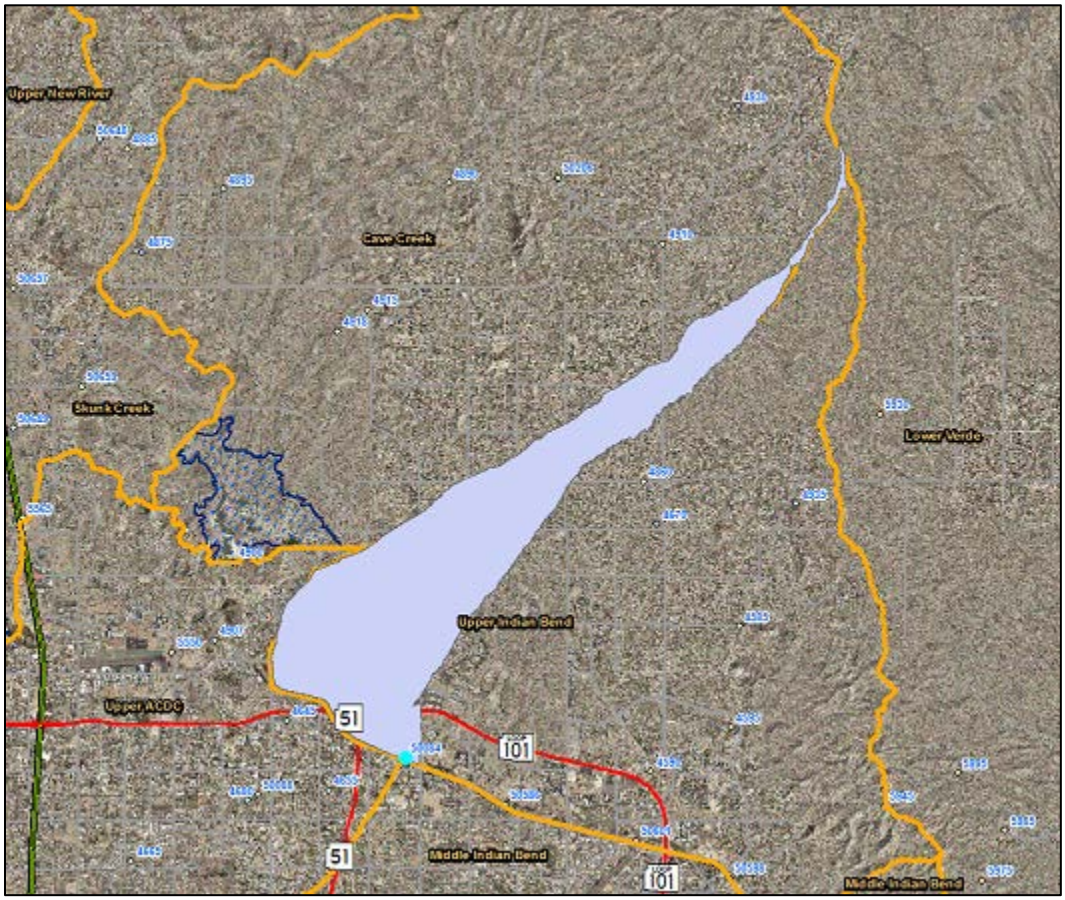
CAP Reach #11 Dike #1, ID #8407

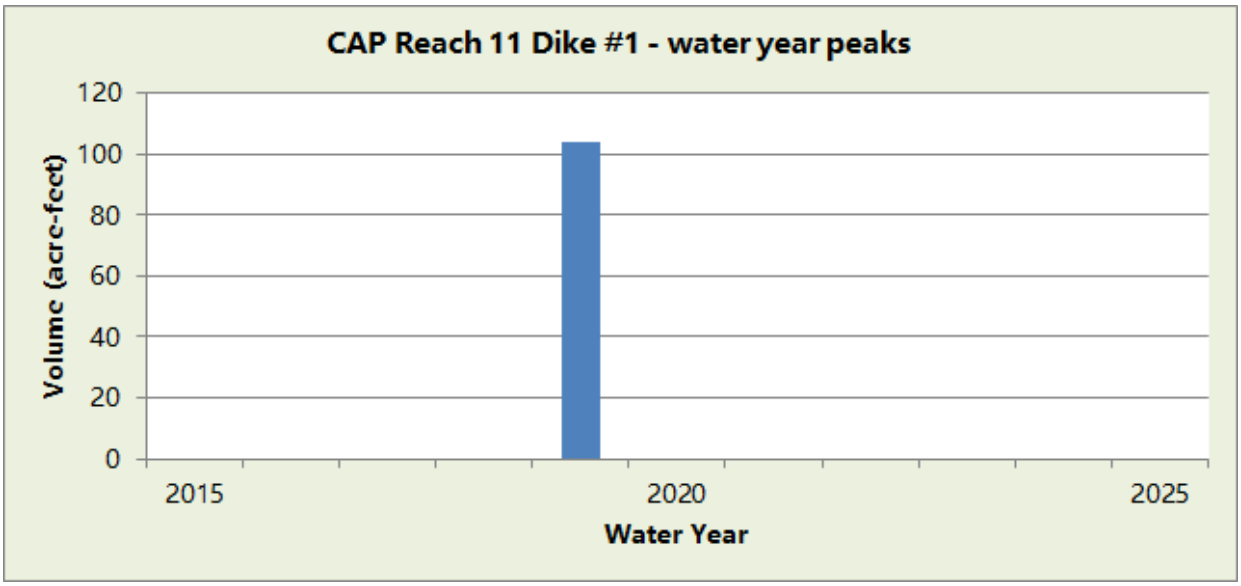


Site Data

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	5.20 Years | 1,900 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





WY2021 Events

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

NOTE: Percent full is based on 100-year level, as there is no spillway at this location.

Hydrograph of peak WY 2021 impoundment event,

No impoundments recorded in Water Year 2021.

CAP Reach 11 Dike #1, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
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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 2021 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 2020 to September 2021

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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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 2021 MEAN 0 MAX 0 MIN 0

CAP Reach 11 Dike #1, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0.00 MAX 0.00 MIN 0.00

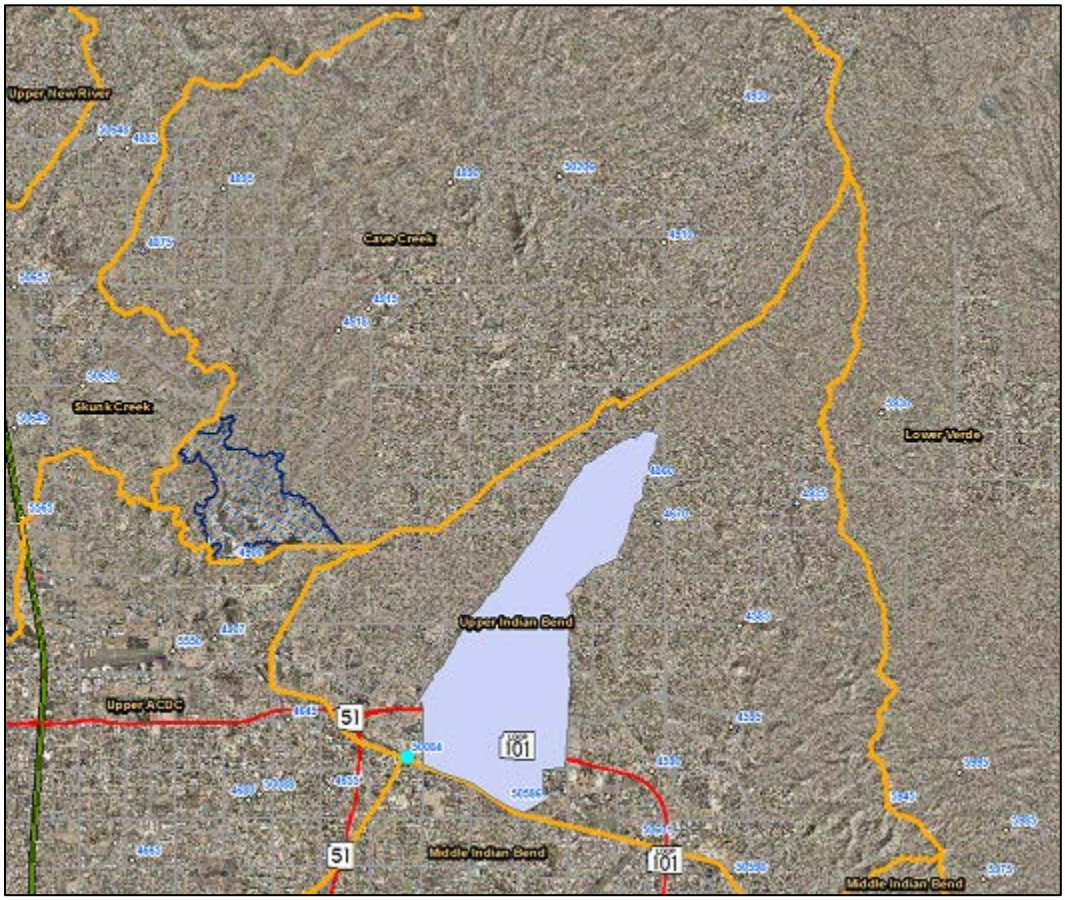
CAP Reach #11, Dike #2, ID #58607

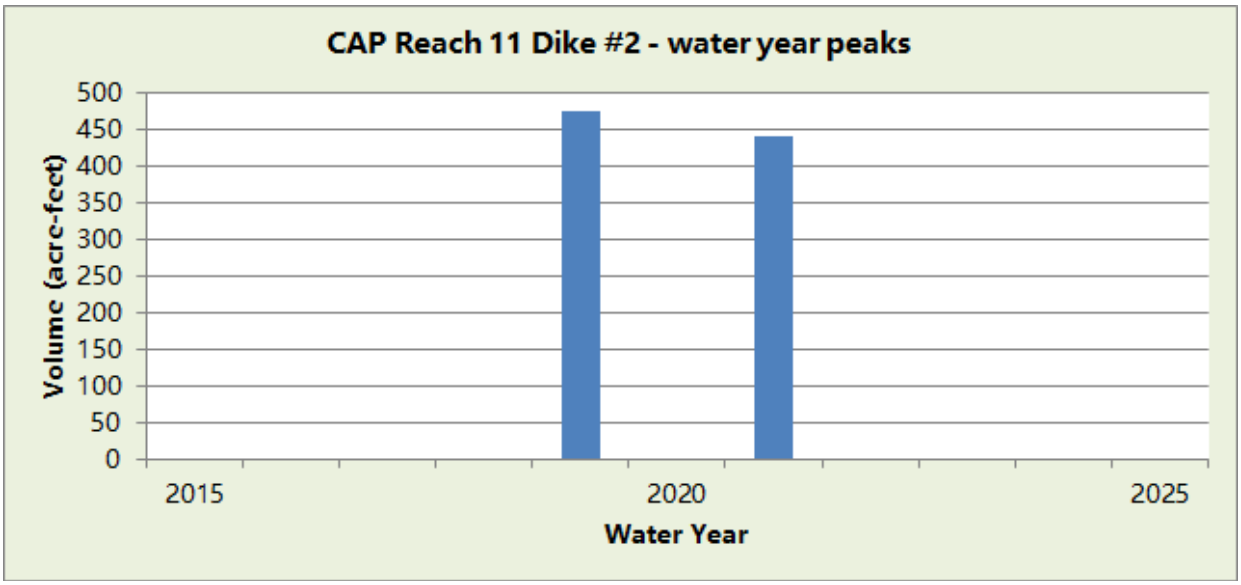


Site Data

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	5.20 Years | 1,900 Days
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



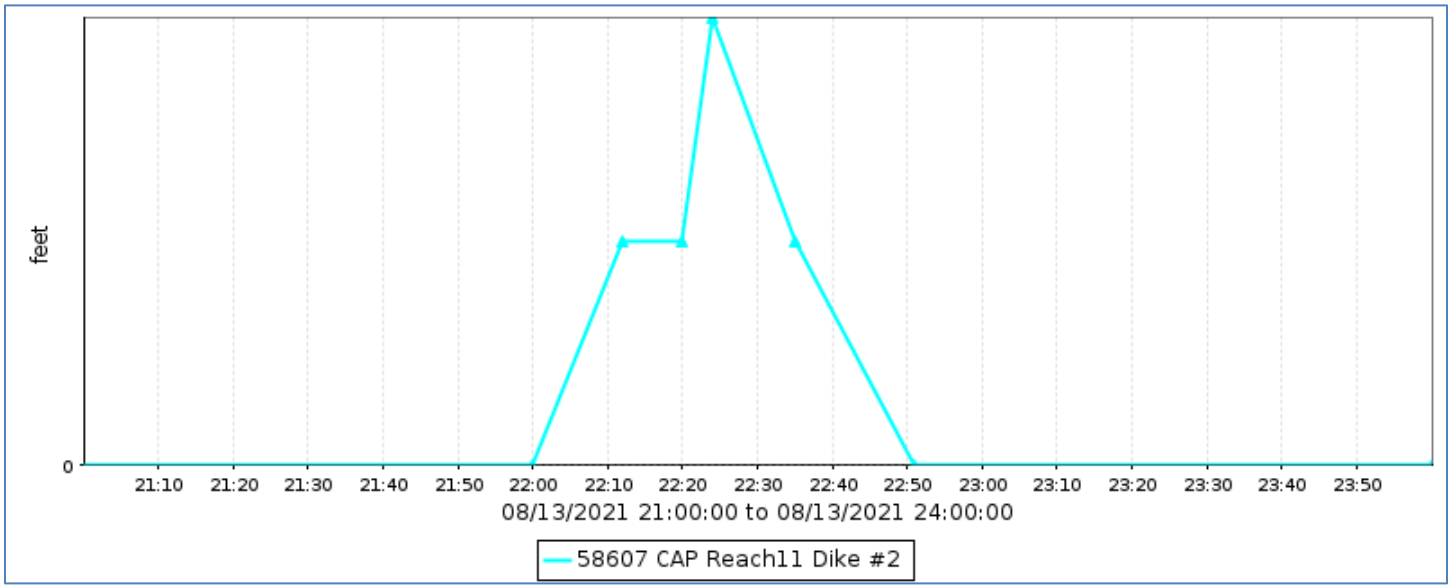


WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/13/2021	0.20	442.0	8.9

NOTE: Percent full is based on 100-year level, as there is no spillway at this location.

Hydrograph of peak 2021 impoundment event, 08/13/2021



CAP Reach 11 Dike #2, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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	3	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 2021 TOTAL 0 MEAN 0 MAX 3 MIN 0 AC_FT 0

CAP Reach 11 Dike #2, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13											12	
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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	442	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 442 MIN 0

CAP Reach 11 Dike #2, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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 2021 MEAN 0.00 MAX 0.20 MIN 0.00

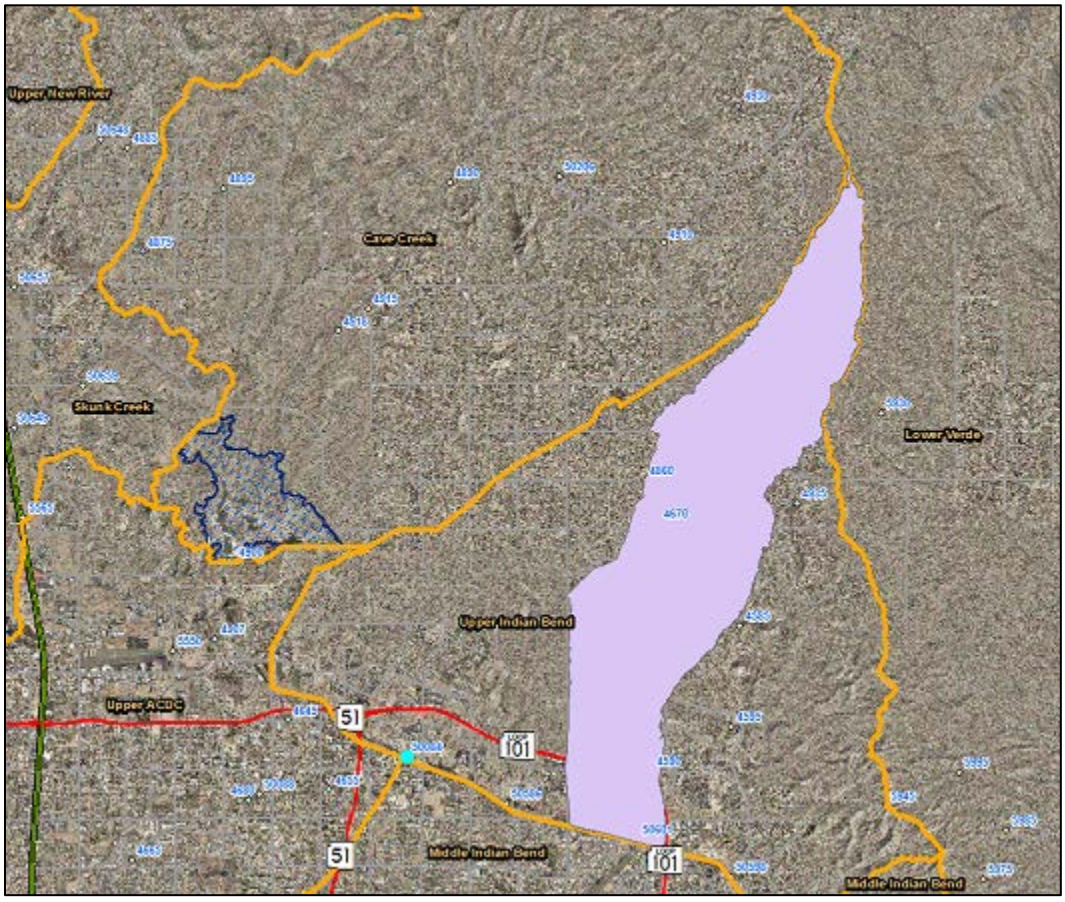
CAP Reach #11, Dike #3, ID #60107

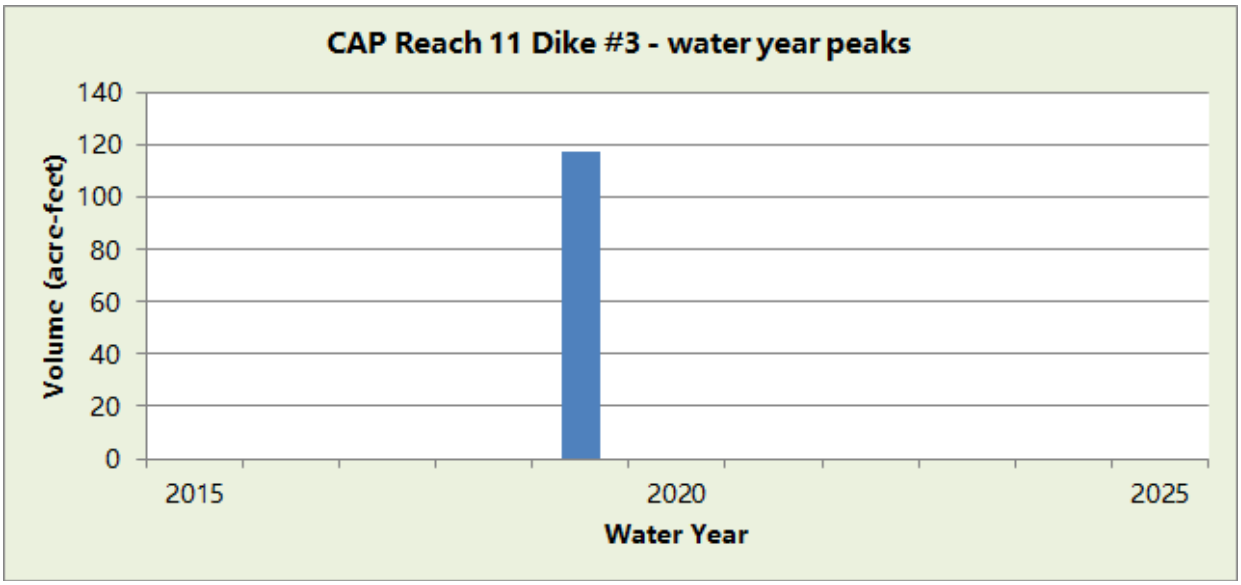


Site Data

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	5.20 Years | 1,900 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





WY2021 Events

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

NOTE: Percent full is based on 100-year level, as there is no spillway at this location.

Hydrograph of peak 2021 impoundment event,

No impoundments recorded in Water Year 2021.

CAP Reach 11 Dike #3, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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15												
16												
17												
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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 2021 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 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 0 MIN 0

CAP Reach 11 Dike #3, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0.00 MAX 0.00 MIN 0.00

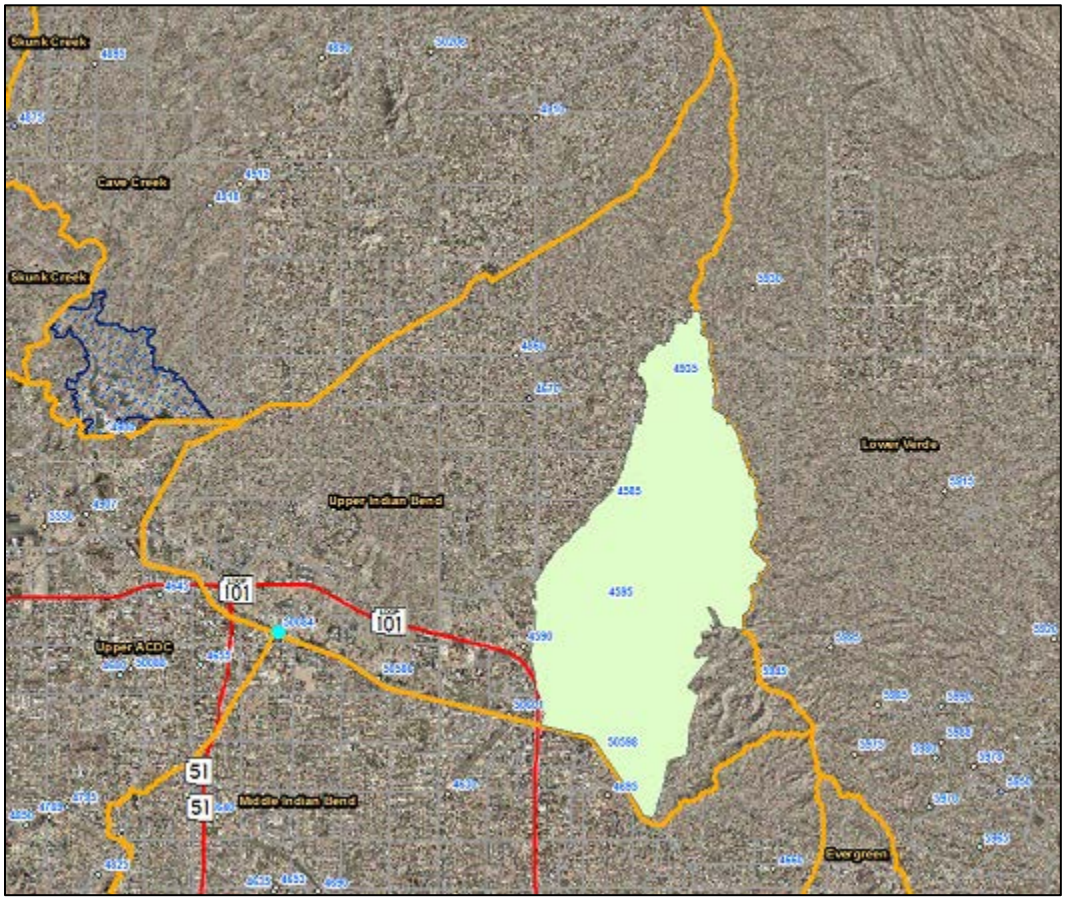
CAP Reach #11, Dike #4, ID #59807

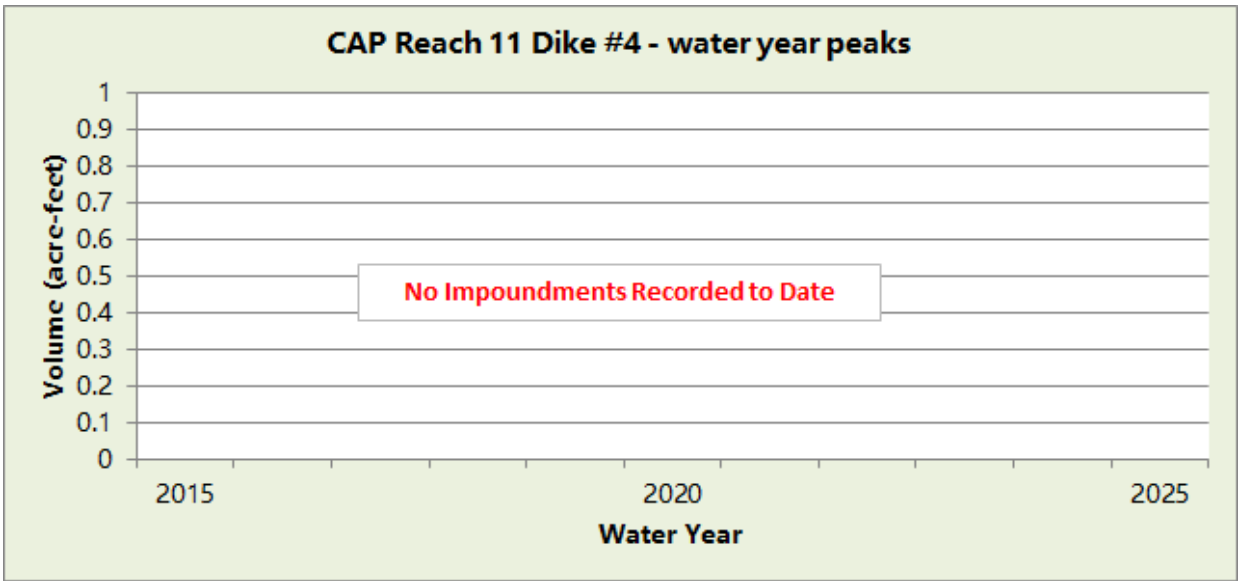


Site Data

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	5.20 Years | 1,900 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





WY2021 Events

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

NOTE: Percent full is based on 100-year level, as there is no spillway at this location.

Hydrograph of peak 2021 impoundment event

No impoundments were recorded during Water Year 2021.

CAP Reach 11 Dike #4, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6										32		
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	1	0	0
MAX	0	0	0	0	0	0	0	0	0	127	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 127 MIN 0

CAP Reach 11 Dike #4, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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 2021 MEAN 0.00 MAX 0.05 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	27.22 Years | 9,943 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

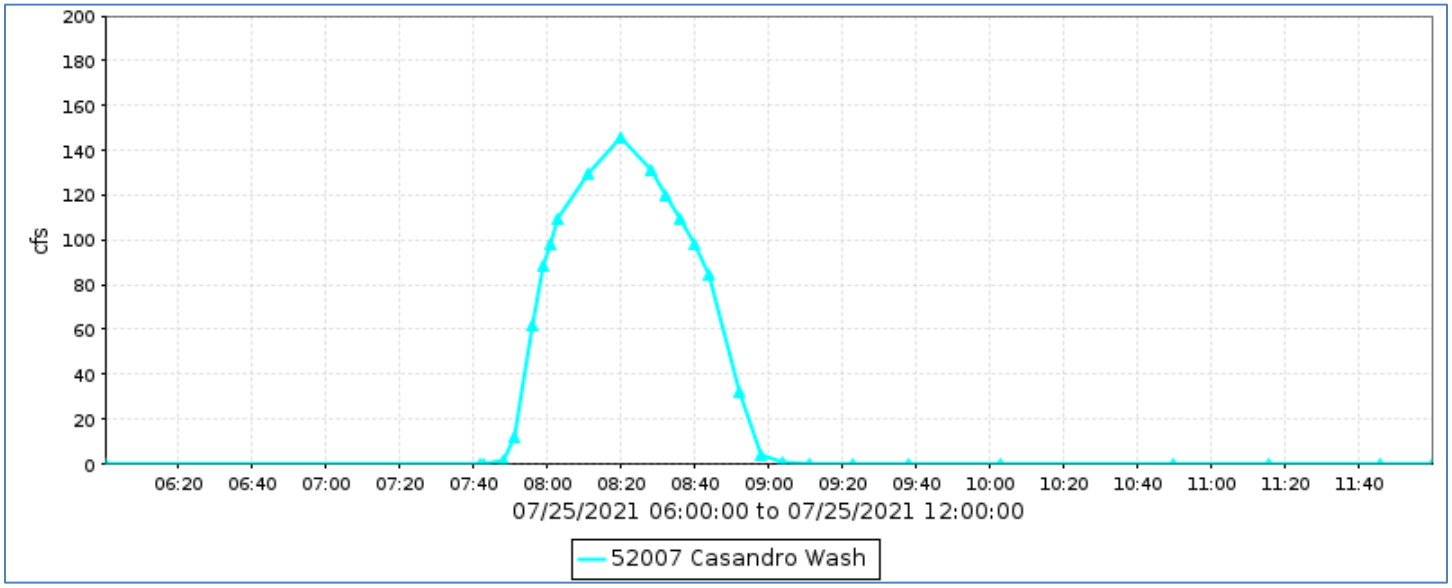
Watershed Map


N Vulture Mine Rd
W Durango Rd
W Durango Dr
W Durango Ct
W Durango Ct
W Durango Dr
W Durango Dr
W Durango Dr

WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/25/2021	2.77	146
08/11/2021	2.02	86

Hydrograph of peak WY 2021 flow event, 07/25/2021



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
115	**273**	**411**	**565**	**789**	**974**

NOTE: These results are based on limited data.

Casandro Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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												1
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	3	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	146	86	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	11	5	0

WTR YR 2021 TOTAL 4 MEAN 0 MAX 146 MIN 0 AC_FT 16

Casandro Dam, ID #53007

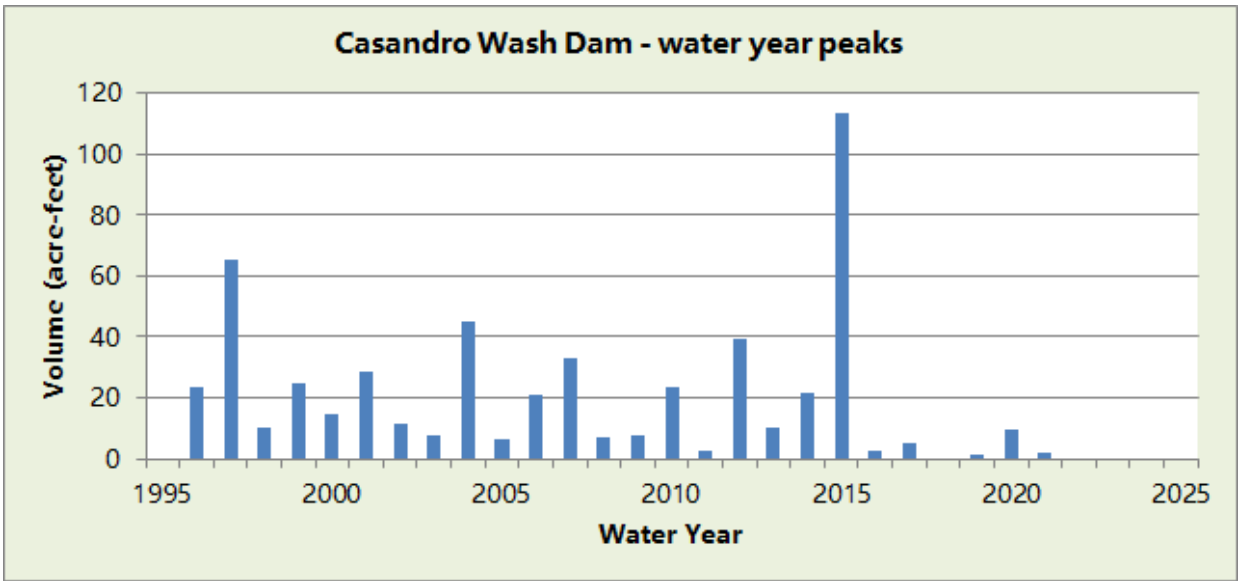


Site Data

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	25.13 Years | 9,178 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

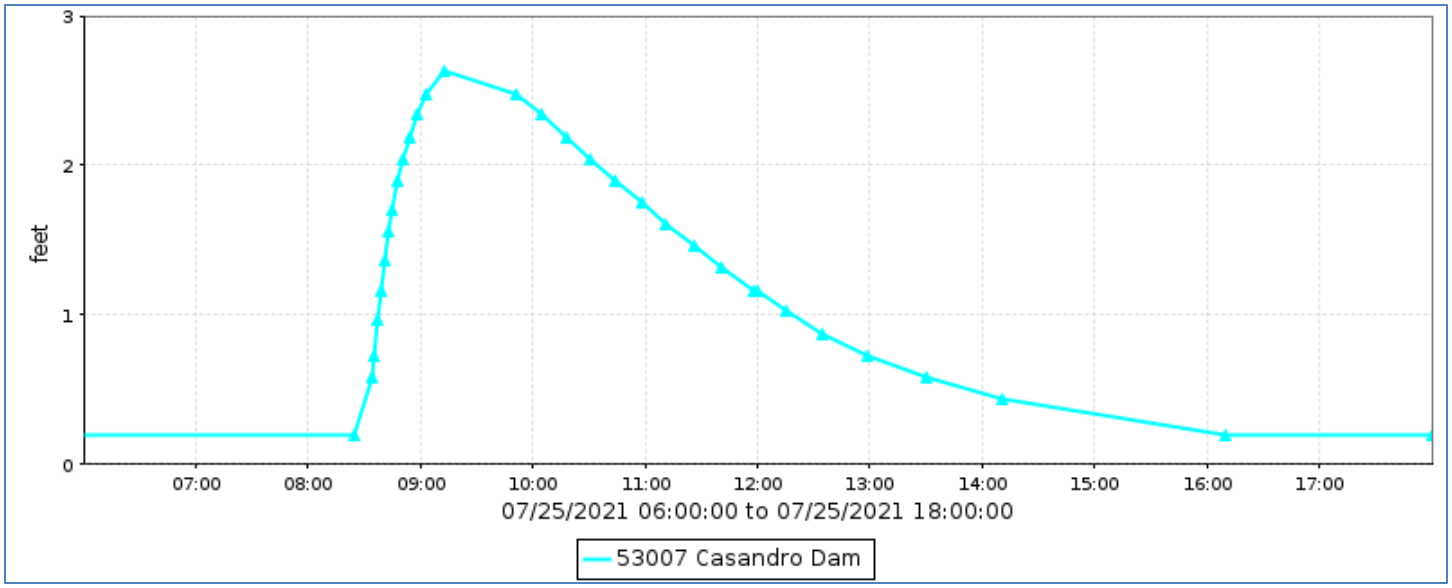




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/25/2021	2.63	2.0	1.7

Hydrograph of peak 2021 impoundment event, 07/25/2021



Casandro Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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				---						1		
26				---								
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	9	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	2	0	0

WTR YR 2021 TOTAL 1 MEAN 0 MAX 9 MIN 0 AC_FT 2

Casandro Dam, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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

WTR YR 2021 MEAN 0 MAX 2 MIN 0

Casandro Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	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	0.5	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
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.6	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 2021 MEAN 0.19 MAX 2.63 MIN 0.19

Cave Buttes Dam Pool, ID #19517

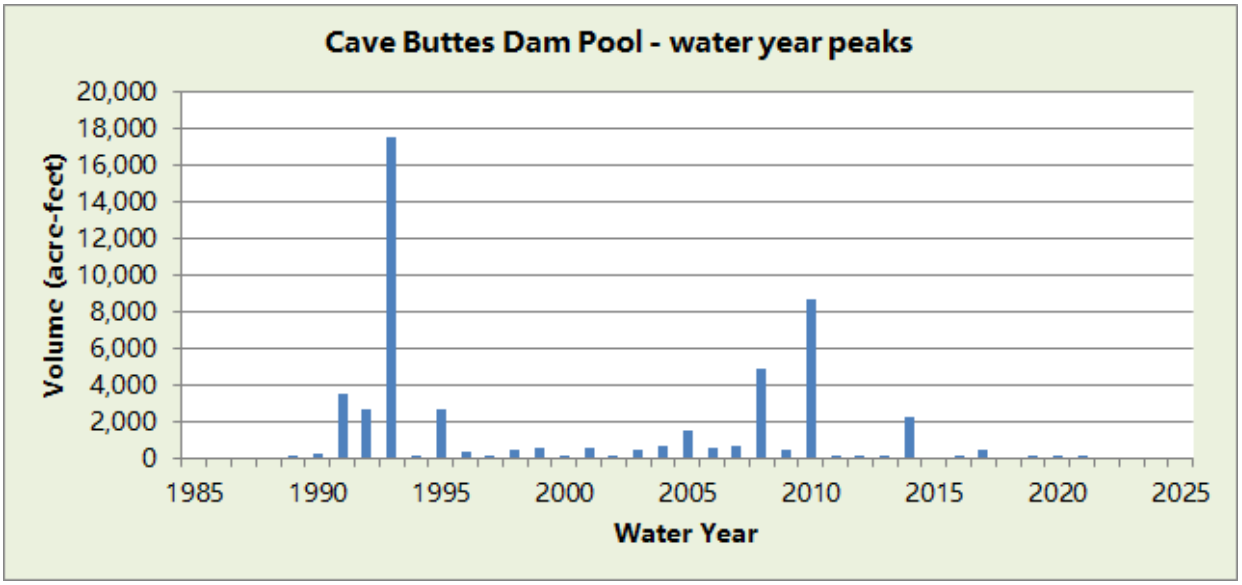


Site Data

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	34.00 Years | 12,419 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

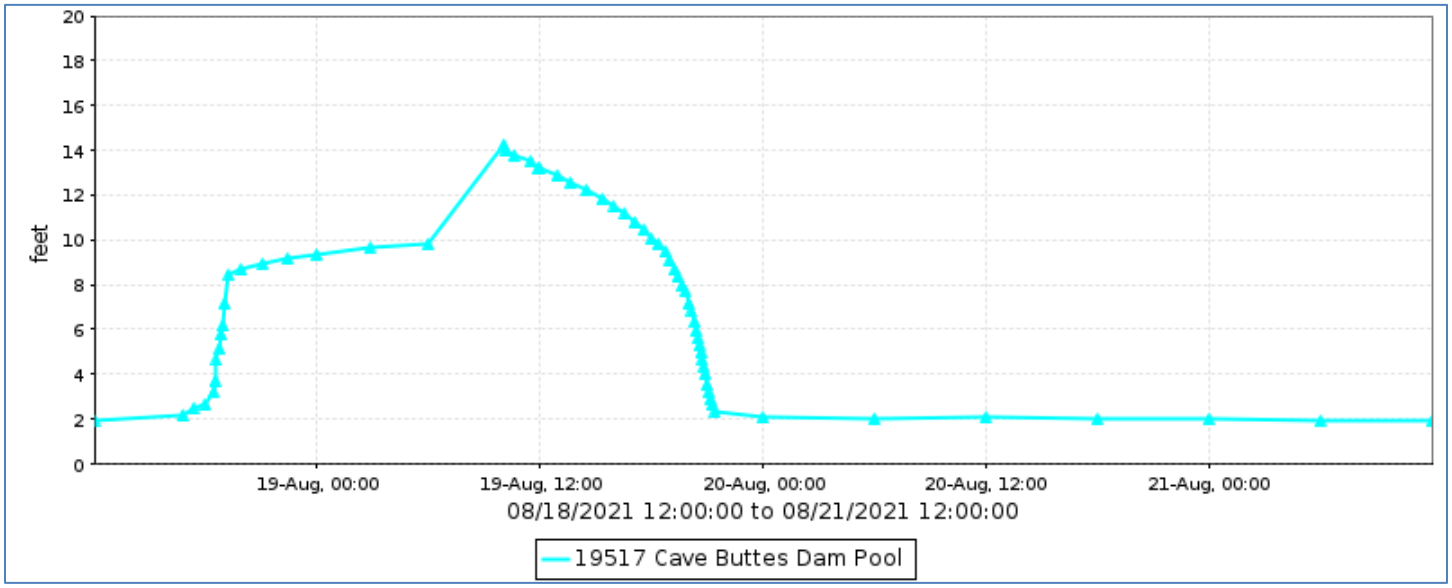




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/24/2021	8.30	8.3	0.0
07/25/2021	7.58	5.4	0.0
08/12/2021	2.74	0.0	0.0
08/19/2021	14.26	129.3	0.3

Hydrograph of peak 2021 impoundment event, 08/19/2021



Cave Buttes Dam Pool, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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											33	
20												
21												
22												
23										2		
24										1		
25										1		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	8	129	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 129 MIN 0

Cave Buttes Dam Pool, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2	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
12	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9
13	1.9	1.9	---	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
14	1.9	1.9	1.9	1.9	1.9	1.9	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
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	3.4	1.9
19	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	9.5	1.9
20	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9
21	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
22	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
23	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.4	1.9	1.9
24	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.2	1.9	1.9
25	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.0	1.9	1.9
26	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	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	1.9	1.9	1.9	---	1.9	1.9	1.9	1.9	1.9	1.9	1.9
30	1.9	1.9	1.9	1.9	---	1.9	1.9	1.9	1.9	1.9	1.9	1.9
31	1.9	---	1.9	1.9	---	1.9	---	1.9	---	1.9	1.9	---
MEAN	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.2	1.9
MAX	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	8.3	14.3	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 2021 MEAN 1.94 MAX 14.26 MIN 1.90

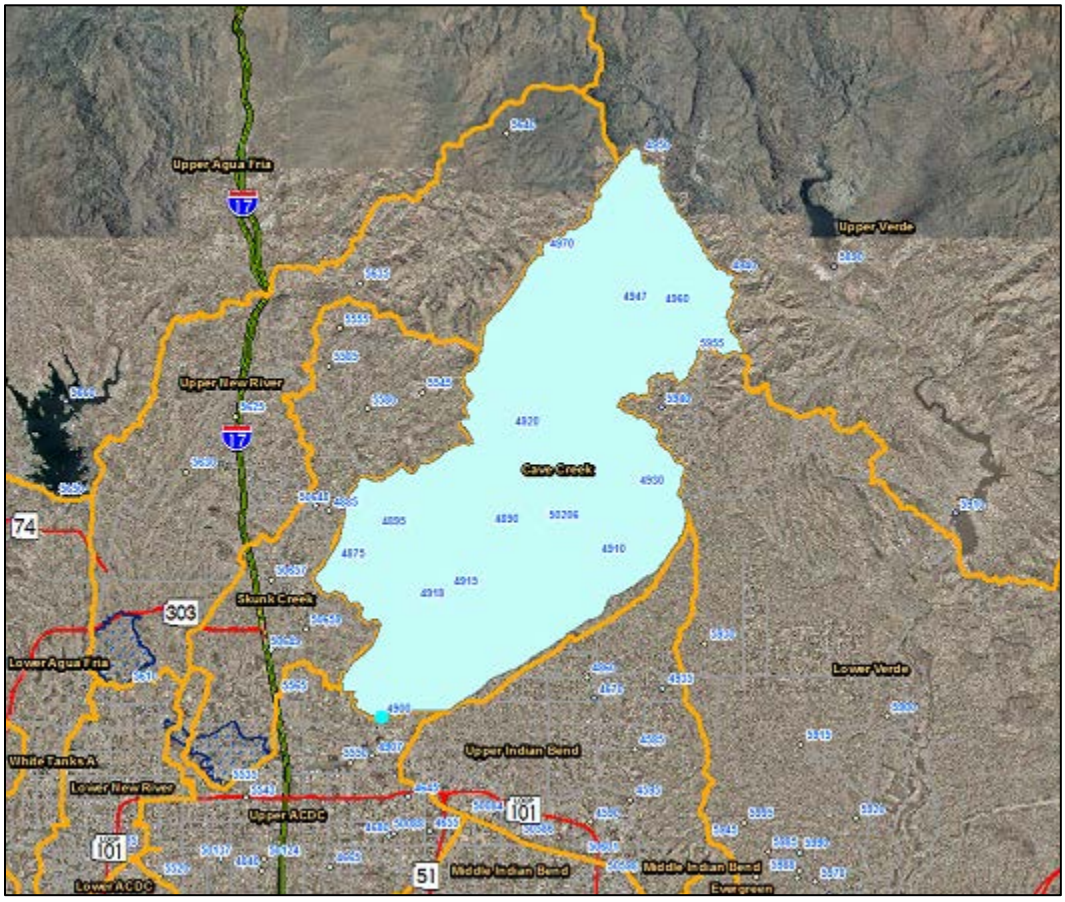
Cave Buttes Dam Outlet, ID #19507

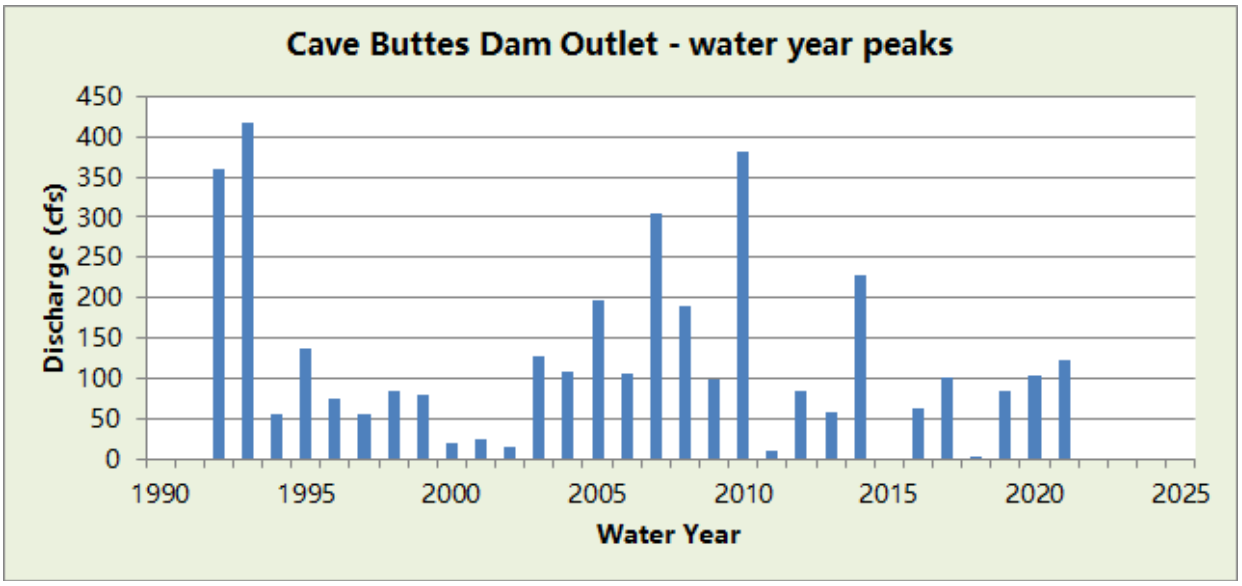


Site Data

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	29.17 Years | 10,655 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

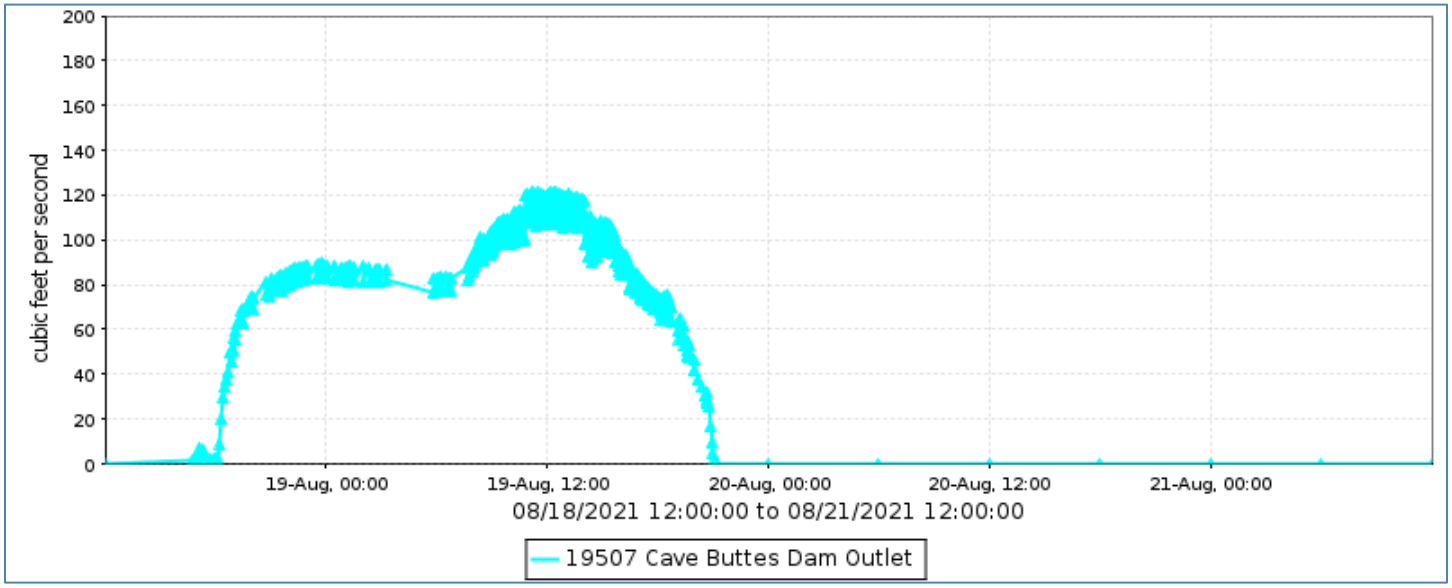




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	3.65	111
07/25/2021	3.00	75
08/19/2021	3.81	122

Hydrograph of peak WY 2021 flow event, 08/19/2021



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 2020 to September 2021

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											59	
13			---								103	
14											242	
15			---								163	
16											73	
17												
18											17	
19											75	
20												
21												
22												
23										27		
24										20		
25										19		
26										4		
27										1		
28										2		
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	73	732	0
MEAN	0	0	0	0	0	0	0	0	0	2	24	0
MAX	0	0	0	0	0	0	0	0	0	111	622	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	145	1451	0

WTR YR 2021 TOTAL 805 MEAN 2 MAX 622 MIN 0 AC_FT 1596

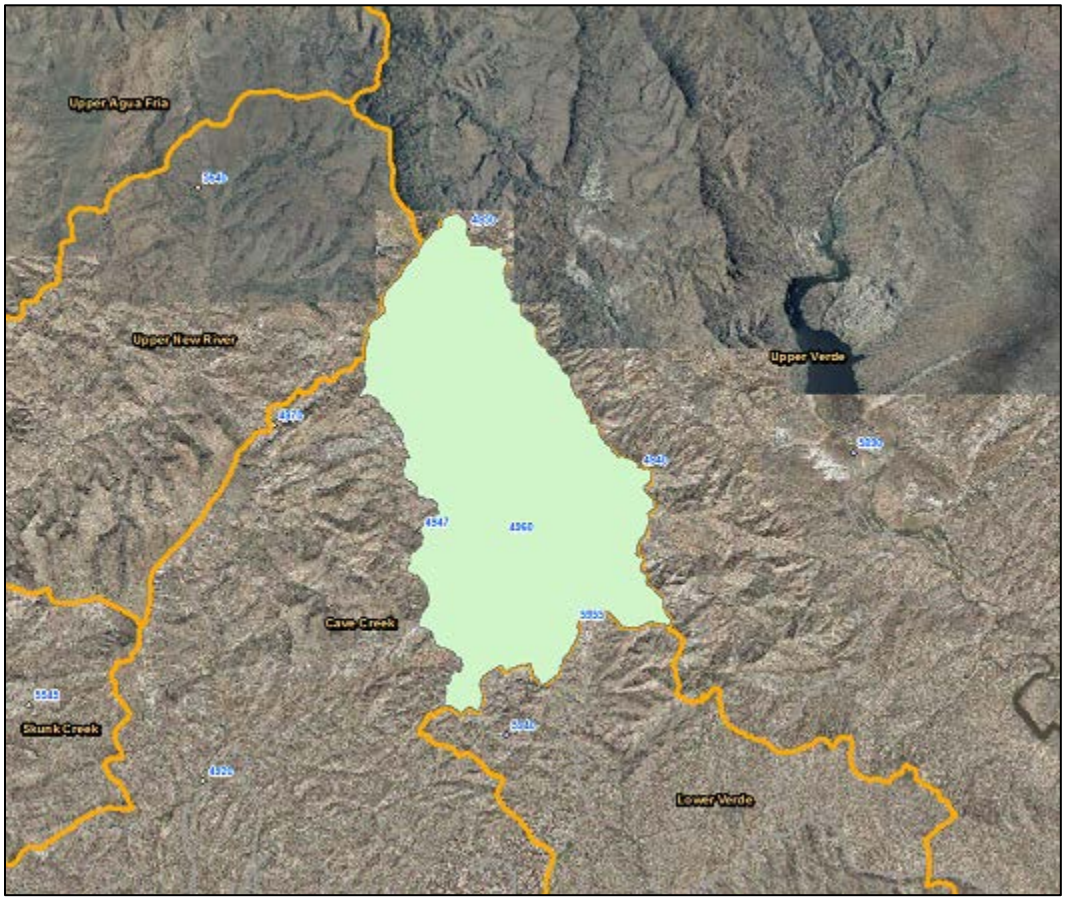
Cave Creek at Ashdale Ranger Station, ID #21307

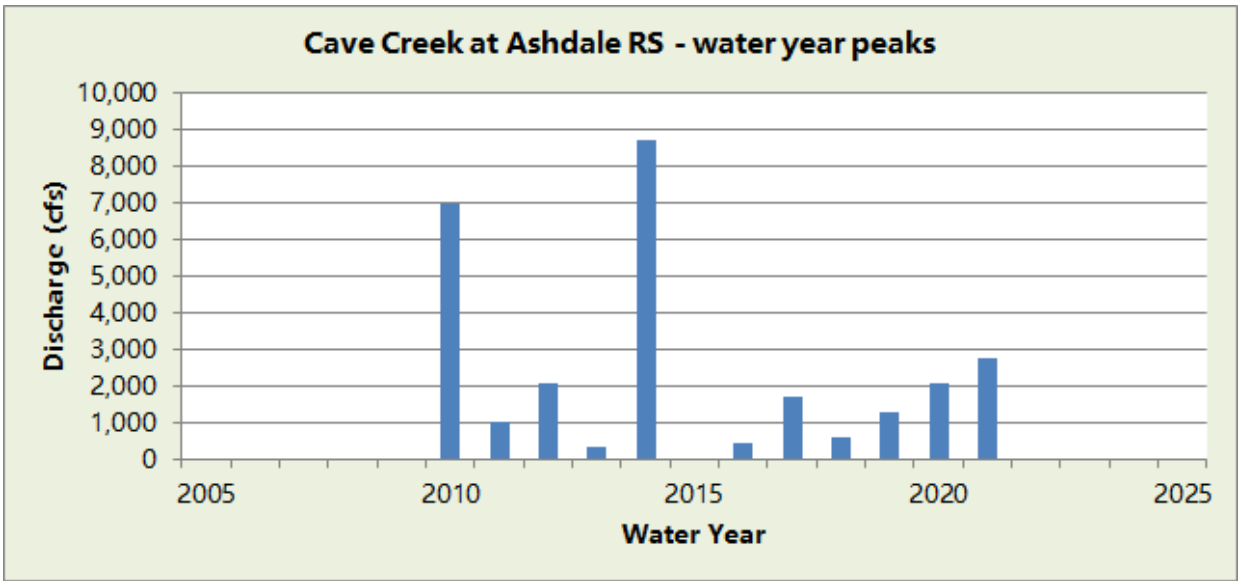


Site Data

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	12.60 Years | 4,601 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

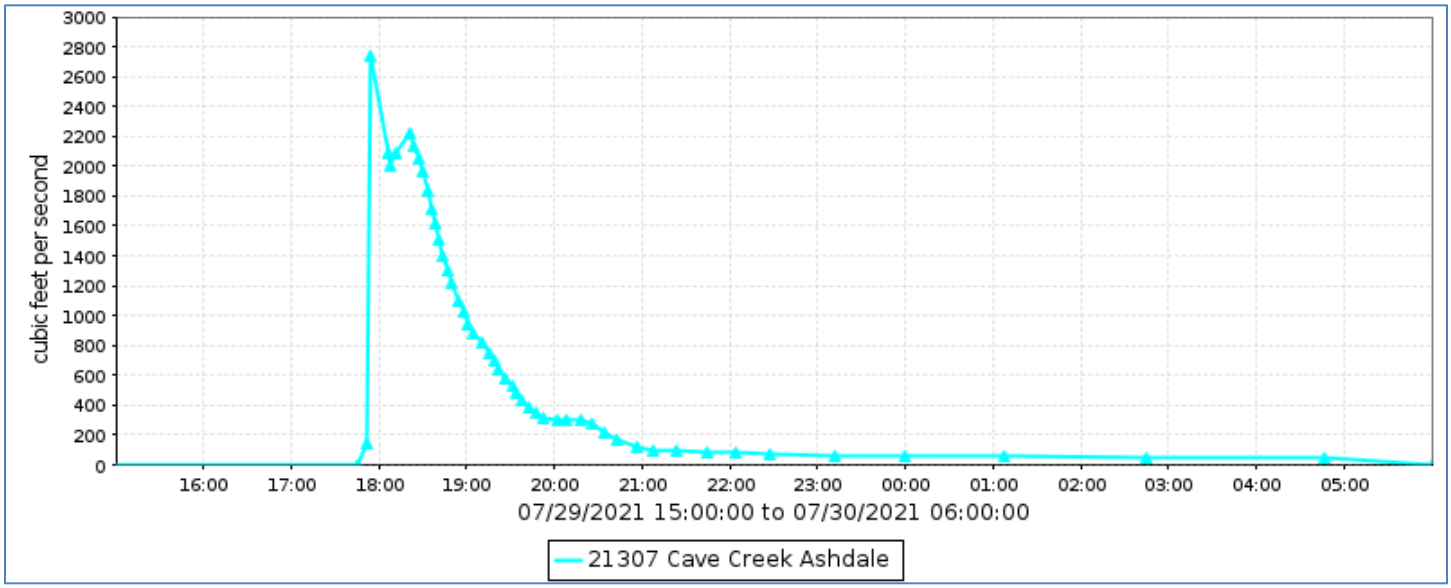




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	3.59	367
07/25/2021	4.19	559
07/29/2021	8.03	2,736
08/18/2021	6.70	2,027

Hydrograph of peak WY 2021 flow event, 07/29/2021



Flood Flow Frequency

Flood Flow Frequency N=13, HEC-WRC computation (based on 13 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,060	**4,630**	**7,840**	**10,900**	**14,300**	**16,400**

NOTE: Data based on very limited data.

Cave Creek at Ashdale RS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												54
2												54
3												52
4												52
5				---								52
6												51
7												52
8												51
9												51
10												51
11												51
12												51
13												50
14												51
15												50
16												50
17												49
18											153	50
19											53	50
20											52	49
21											54	50
22											54	49
23										35	52	49
24											53	49
25										52	52	49
26										8	52	50
27											52	52
28											52	53
29					---					133	52	52
30					---					12	51	52
31		---			---		---		---		52	---
TOTAL	0	0	0	0	0	0	0	0	0	240	836	1526
MEAN	0	0	0	0	0	0	0	0	0	8	27	51
MAX	0	0	0	0	0	0	0	0	0	2736	2027	59
MIN	0	0	0	0	0	0	0	0	0	0	0	47
AC_FT	0	0	0	0	0	0	0	0	0	477	1658	3026

WTR YR 2021 TOTAL 2602 MEAN 7 MAX 2736 MIN 0 AC_FT 5161

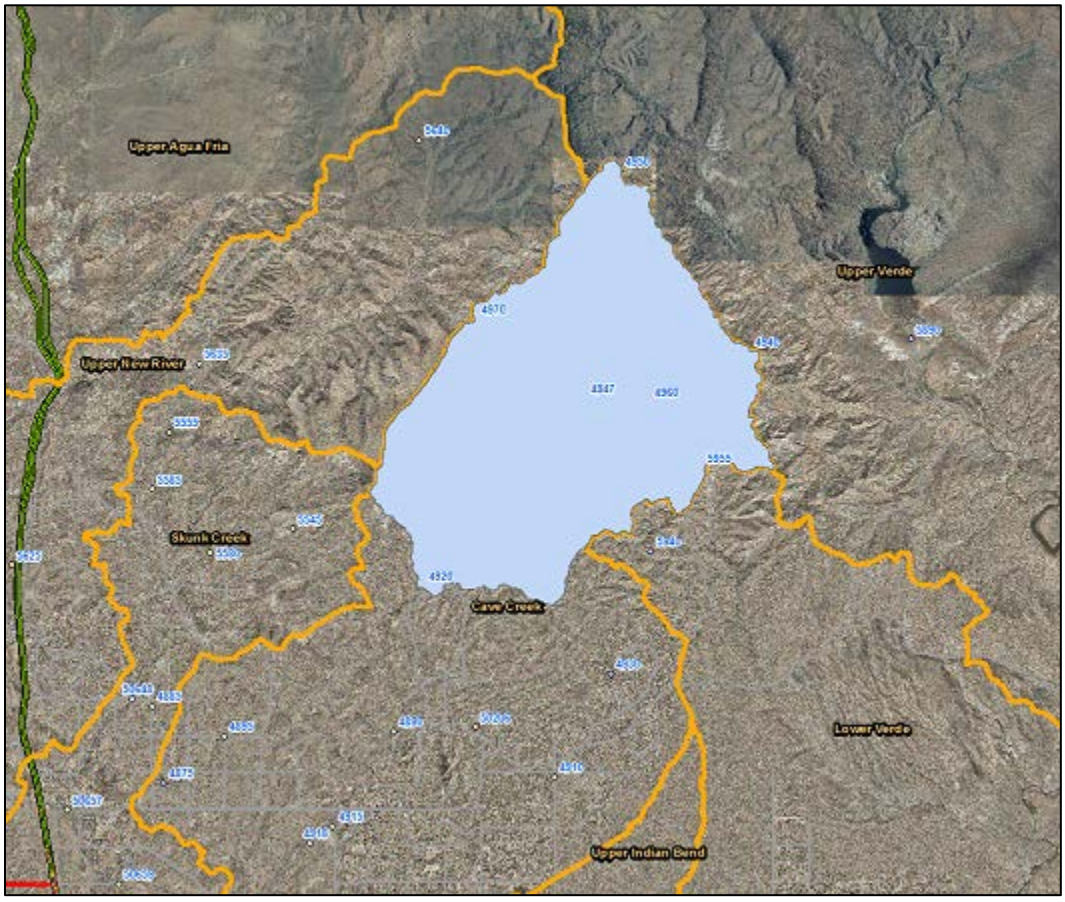
Cave Creek at Spur Cross, ID #20707

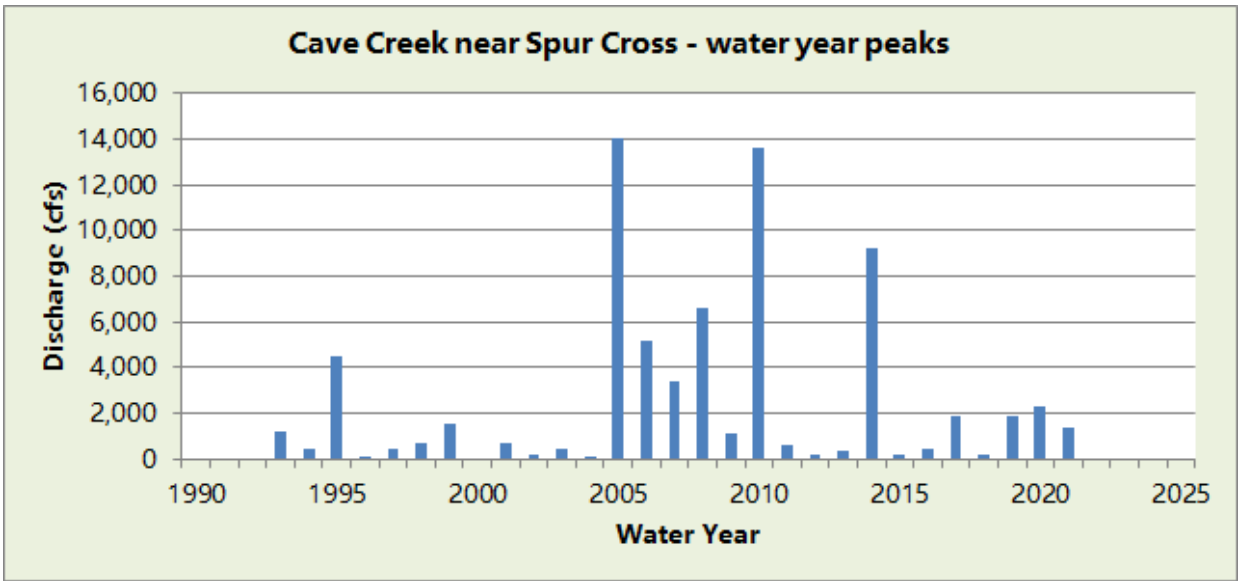


Site Data

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	28.29 Years | 10,334 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

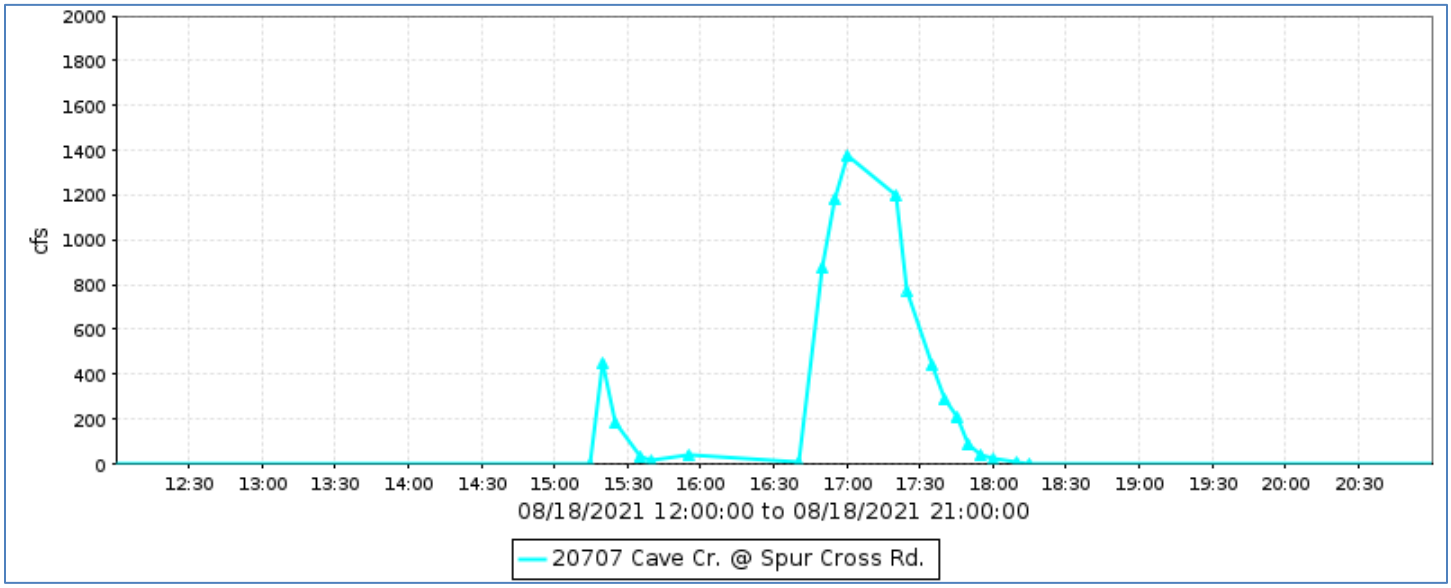




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/29/2021	6.74	1,124
08/18/2021	7.11	1,376

Hydrograph of peak WY 2021 flow event, 08/18/2021



Flood Flow Frequency

Flood Flow Frequency N=41, HEC-WRC computation (based on 41 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
894	**3,180**	**6,060**	**10,200**	**18,100**	**26,400**

NOTE: These results are based on limited data.

Cave Creek at Spur Cross, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1	1	1	1	16	---	1	1	1	1	---	1
2	1	1	1	1	15	---	1	1	1	1	1	1
3	1	1	1	1	15		1	1	1	1	1	1
4	1	1	1	1	14		1	1	1	1	1	1
5	1	1	1	1	13		1	1	1	1	1	1
6	1	1	1	1	13		1	1	1	1	1	1
7	1	1	1	1	14		1	1	1	1	1	1
8	1	1	1	1	14		1	1	1	1	1	1
9	1	1	1	1	14		1	1	1	1	---	1
10	1	1	1	1	15		1	1	1	1	1	1
11	1	1	1	1	15		1	1	1	1	1	1
12	1	1	1	1	16		1	1	1	1	---	1
13	1	1	1	1	17		1	1	1	1		1
14	1	1	1	1	17		1	1	1	1	1	1
15	1	1	1	1	17		1	1	1	1	---	1
16	1	1	1	1	17		1	1	1	1		1
17	1	1	1	1	1		1	1	1	1	1	1
18	1	1	1	1	1		1	1	1	1	66	1
19	1	1	1	1	---		1	1	1	1	1	1
20	1	1	1	1	---		1	1	1	1	1	1
21	---	1	1	1	---		1	1	1	1	1	1
22	1	1	1	1			1	1	1	1	1	1
23	1	1	1	1	17		1	1	1	2	1	1
24	1	1	1	1	---		1	1	1	1	1	1
25	1		1	1	---		1	1	1	---	1	1
26	1	1	1	1	---		1	1	1	---	1	1
27	1	1	1	1	---		1	1	1	---	1	1
28	1	1	1	1	---		1	1	1	---	1	1
29	1	1	1	1	---		1	1	1	115	1	1
30	1	1	1	10	---	1	1	1	1	1	1	1
31	1	---	1	20	---	1	---	1	---	---	1	---
TOTAL	28	29	29	56	354	2	28	27	27	47	71	27
MEAN	1	1	1	2	13	0	1	1	1	2	2	1
MAX	1	1	1	22	18	1	1	1	1	1124	1376	1
MIN	1	1	1	1	1	0	1	1	1	1	1	1
AC_FT	56	58	57	112	702	4	56	54	53	93	140	53

WTR YR 2021 TOTAL 725 MEAN 2 MAX 1376 MIN 0 AC_FT 1438

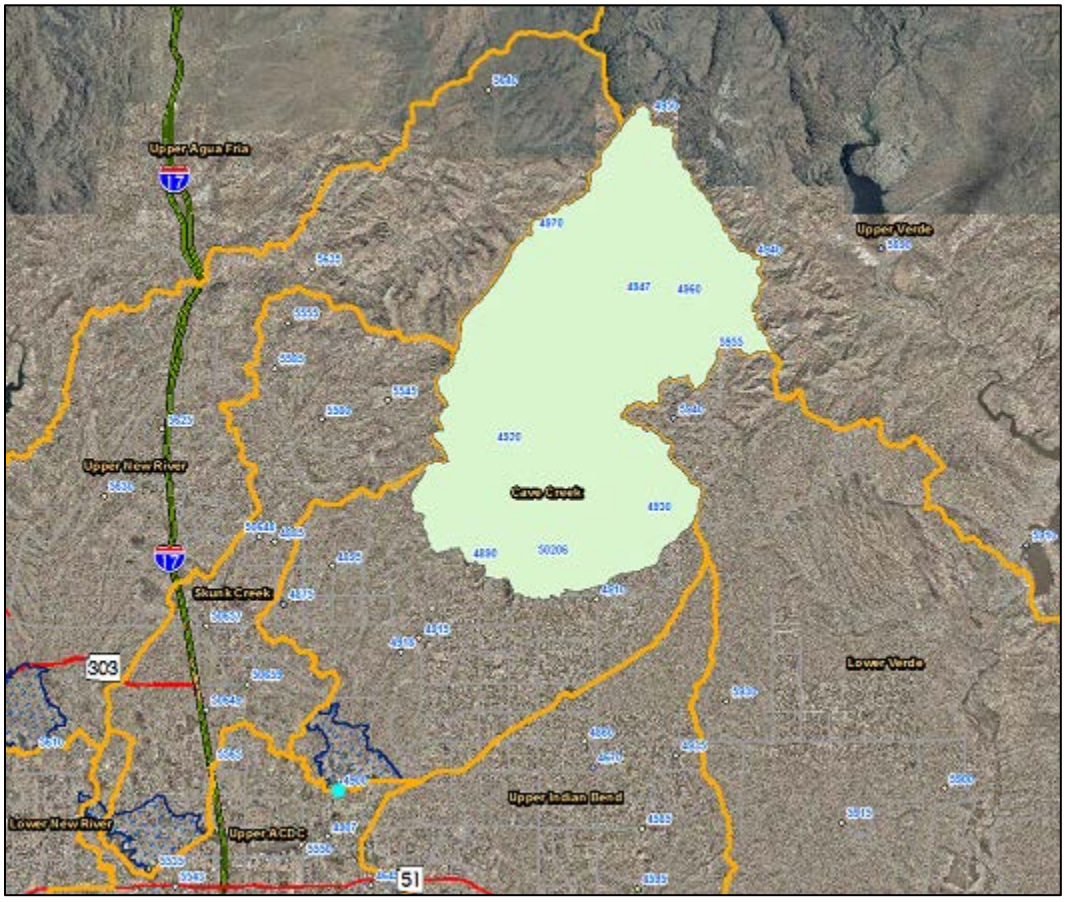
Cave Creek, ID #19007

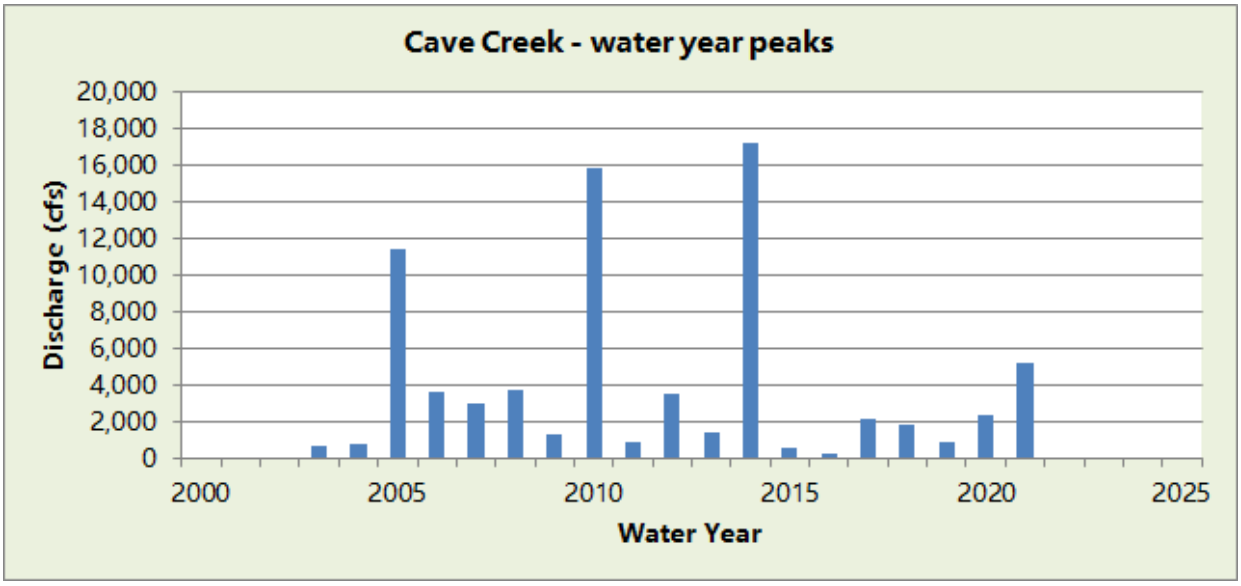


Site Data

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	18.35 Years | 6,701 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

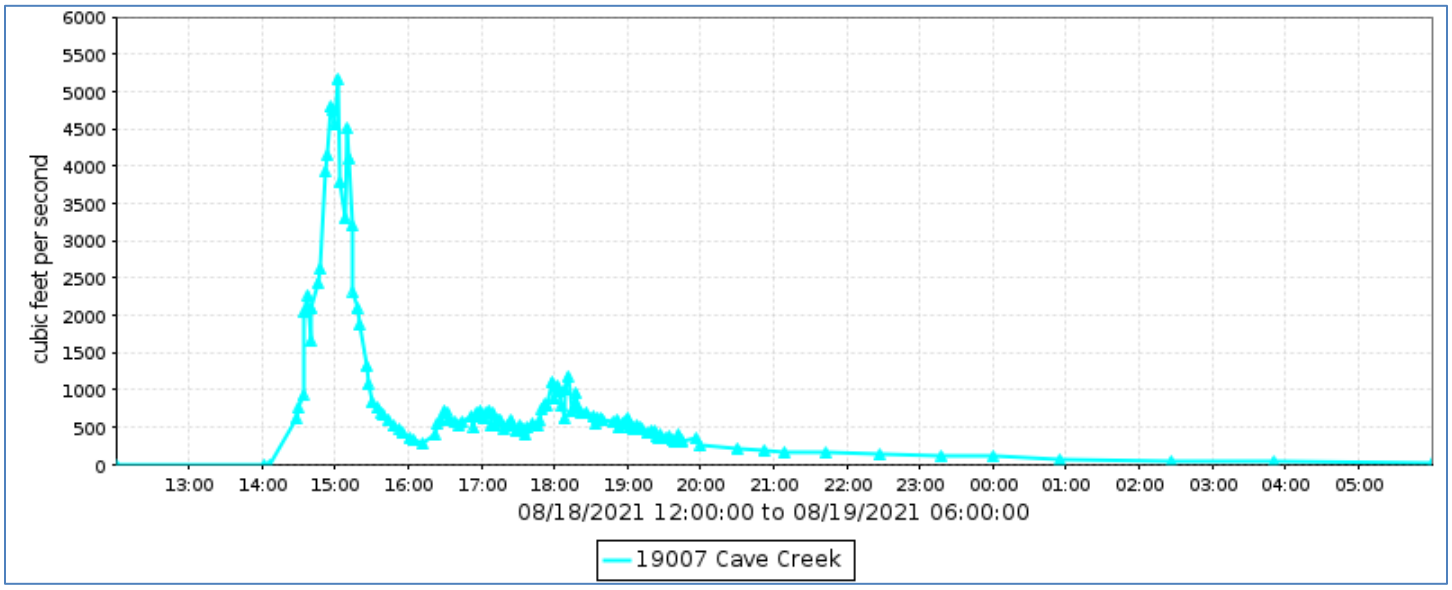




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	1.79	28
07/23/2021	2.96	229
07/25/2021	3.14	267
07/29/2021	4.61	686
08/12/2021	6.06	2,150
08/18/2021	7.65	5,178

Hydrograph of peak WY 2021 flow event, 08/18/2021



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**
1,980	**5,530**	**9,630**	**15,400**	**26,200**	**37,700**

NOTE: These results are based on limited data.

Cave Creek, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											6	4
2											5	4
3											4	4
4											4	5
5											4	5
6				23							4	5
7				93							4	5
8											4	5
9											4	5
10											4	5
11											4	5
12											62	5
13											5	5
14												5
15												5
16												5
17												5
18											251	5
19											29	5
20											9	4
21											6	4
22											6	4
23										29	5	4
24										8	5	4
25										28	4	4
26										19	4	4
27										4	4	4
28											4	2
29					---					38	5	
30					---					47	4	
31		---			---		---		---	10	4	---
TOTAL	0	0	0	116	0	0	0	1	3	184	454	125
MEAN	0	0	0	4	0	0	0	0	0	6	15	4
MAX	0	0	0	---	0	0	0	1	1	686	5178	5
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	230	0	0	0	3	6	365	900	248

WTR YR 2021 TOTAL 884 MEAN 2 MAX --- MIN 0 AC_FT 1753

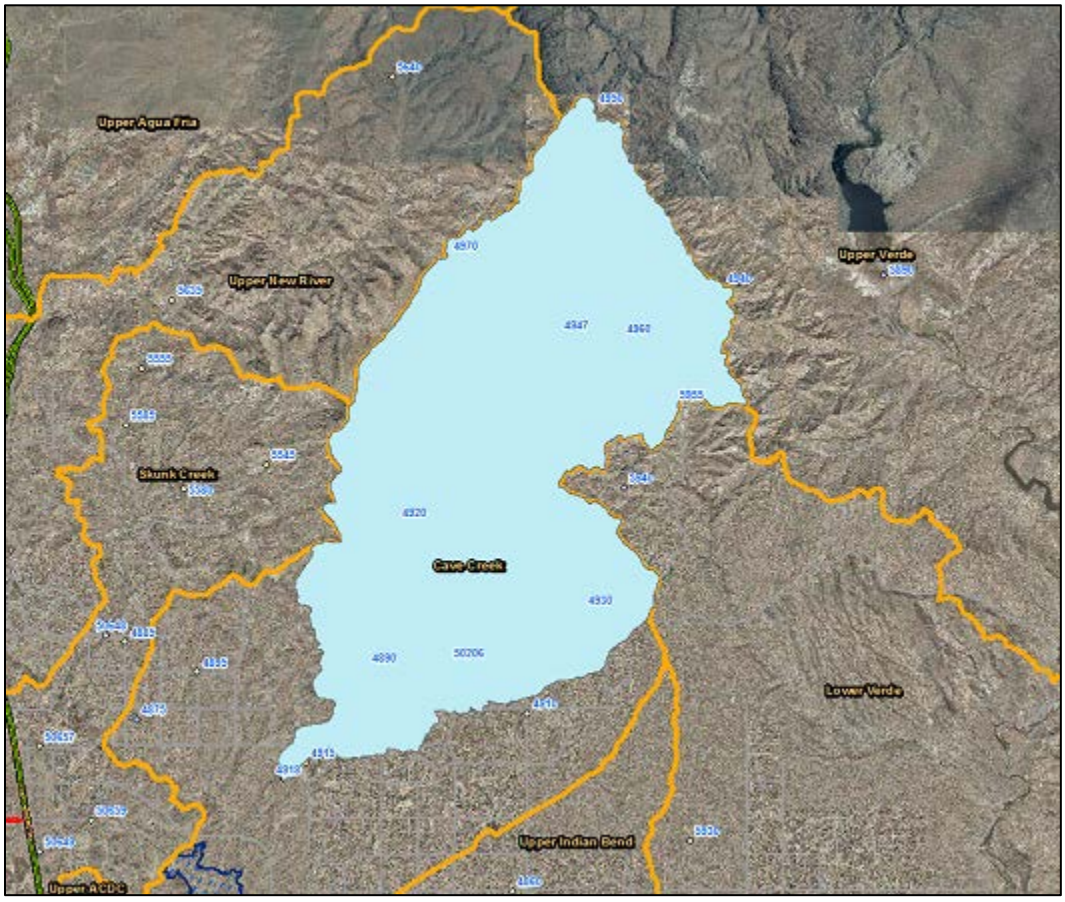
Cave Creek near Cave Creek, ID #20507

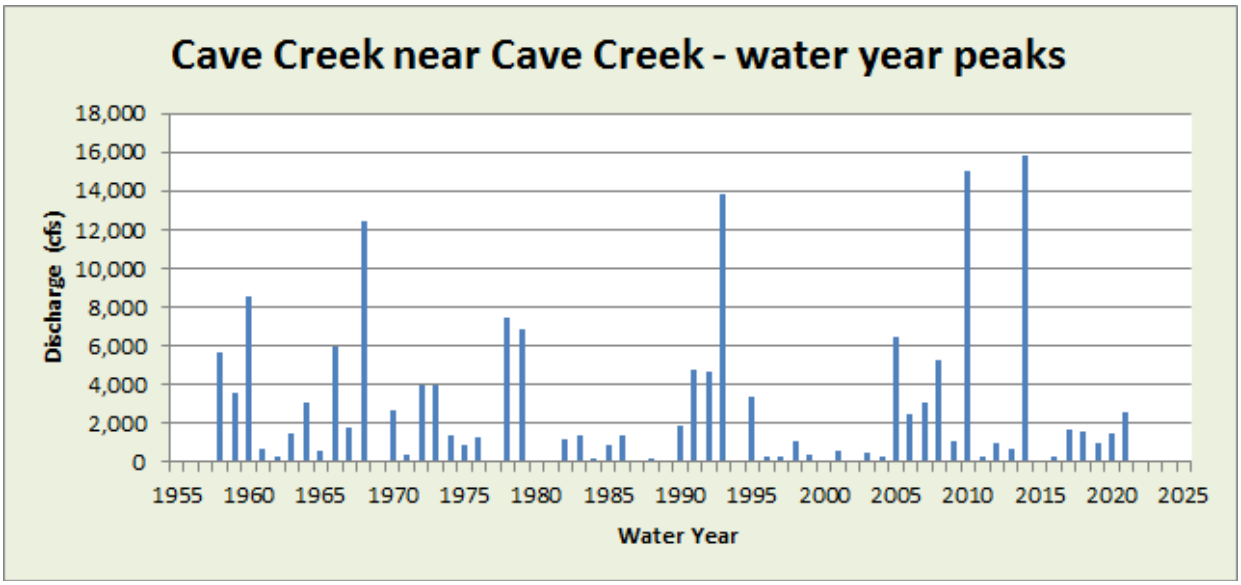


Site Data

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	27.35 Years | 9,989 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

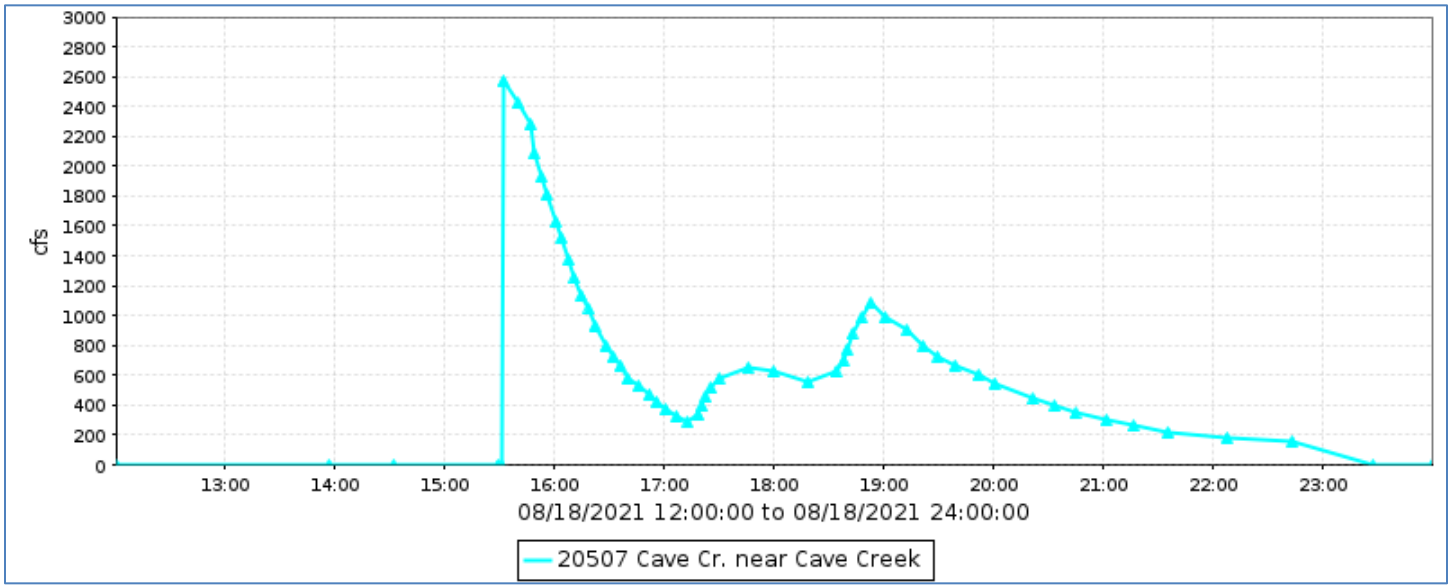




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/25/2021	0.99	171
07/29/2021	1.91	491
08/12/2021	3.09	1,198
08/18/2021	4.51	2,575

Hydrograph of peak WY 2021 flow event, 08/18/2021



Flood Flow Frequency

Flood Flow Frequency N=63, HEC-WRC computation (based on 63 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,240	**3,860**	**6,870**	**11,000**	**18,400**	**25,800**

Cave Creek near Cave Creek, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											38	
13												
14												
15												
16												
17												
18											205	
19												
20												
21												
22												
23												
24												
25										5		
26												
27												
28												
29					---					15		
30					---					27		
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	46	243	0
MEAN	0	0	0	0	0	0	0	0	0	1	8	0
MAX	0	0	0	0	0	0	0	0	0	491	2575	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	91	482	0

WTR YR 2021 TOTAL 289 MEAN 1 MAX 2575 MIN 0 AC_FT 573

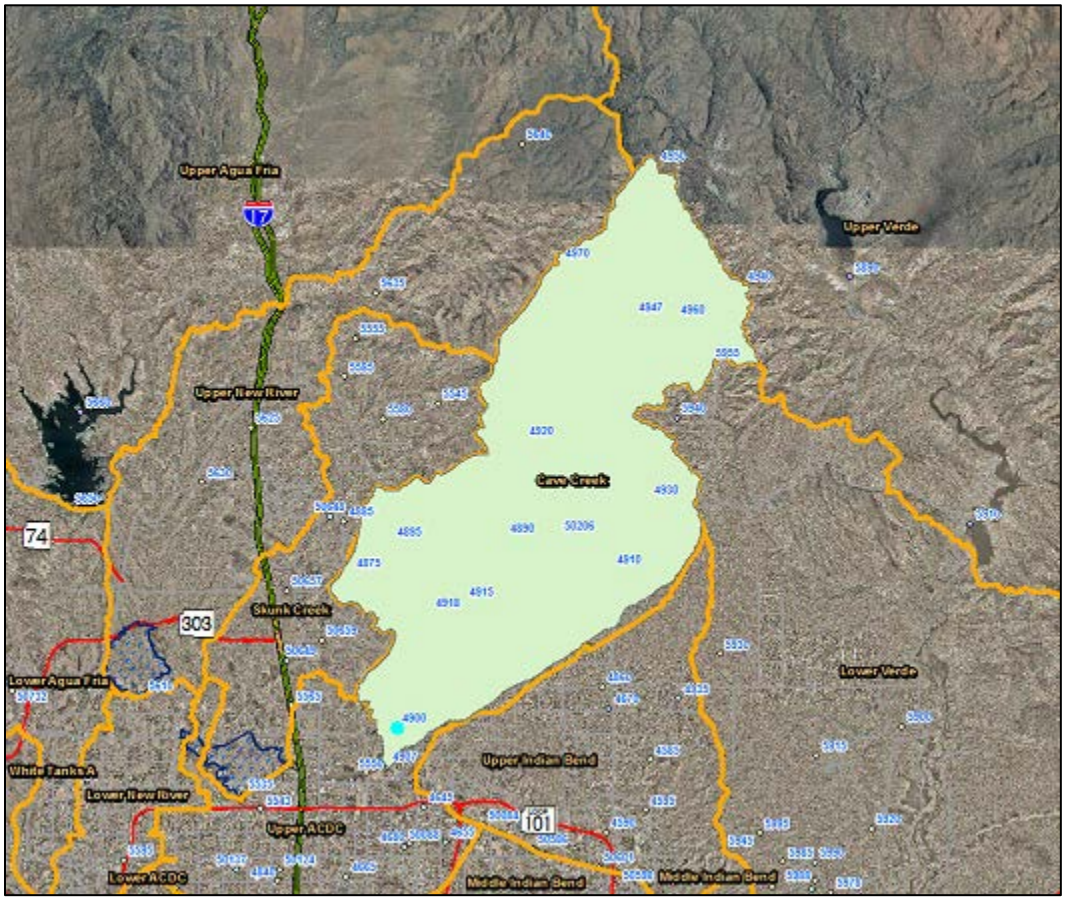
Cave Creek at CAP, ID #19807

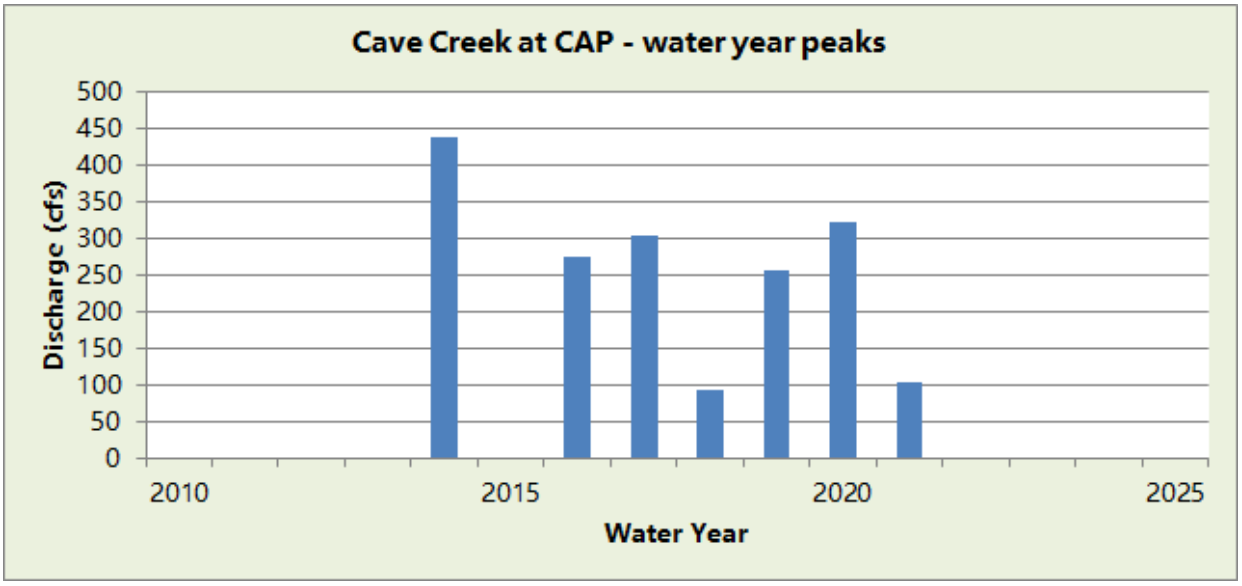


Site Data

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	7.47 Years | 2,727 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

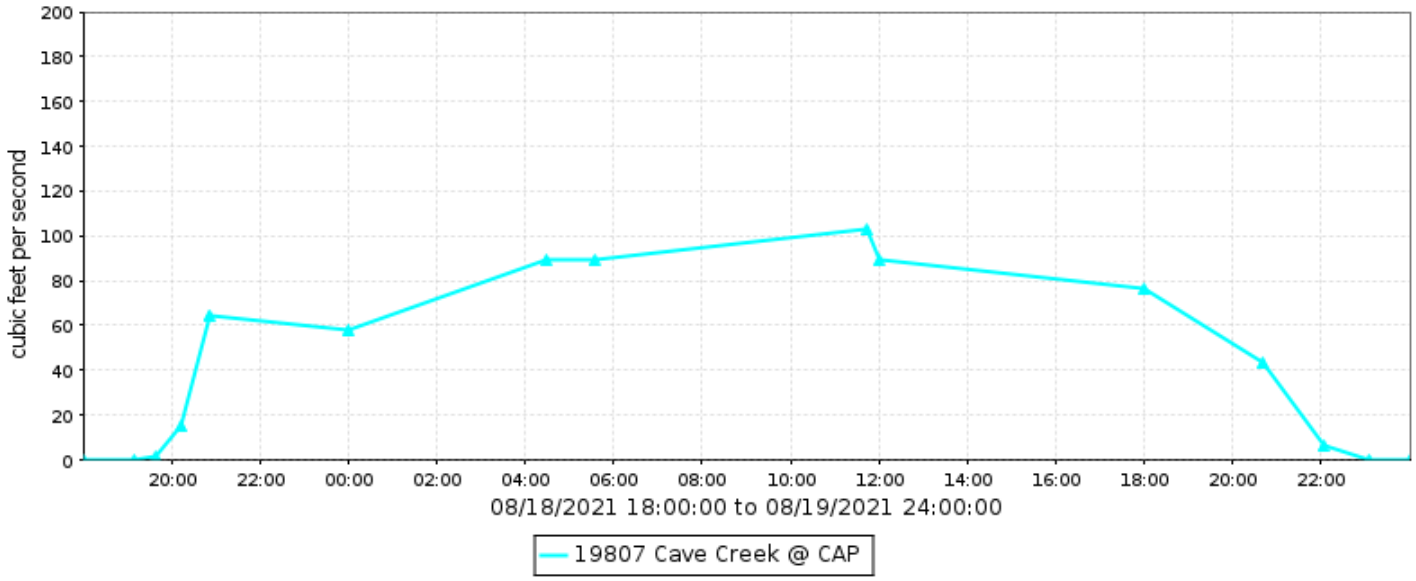




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/24/2021	0.64	69
07/25/2021	0.57	54
08/19/2021	0.77	103

Hydrograph of peak WY 2021 flow event, 08/19/2021



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 2020 to September 2021

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											9	
19											72	
20												
21												
22												
23										8		
24										14		
25										4		
26										4		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	30	81	0
MEAN	0	0	0	0	0	0	0	0	0	1	3	0
MAX	0	0	234	0	0	0	0	0	0	69	103	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	1	0	0	0	0	0	0	60	161	0

WTR YR 2021 TOTAL 112 MEAN 0 MAX 234 MIN 0 AC_FT 222

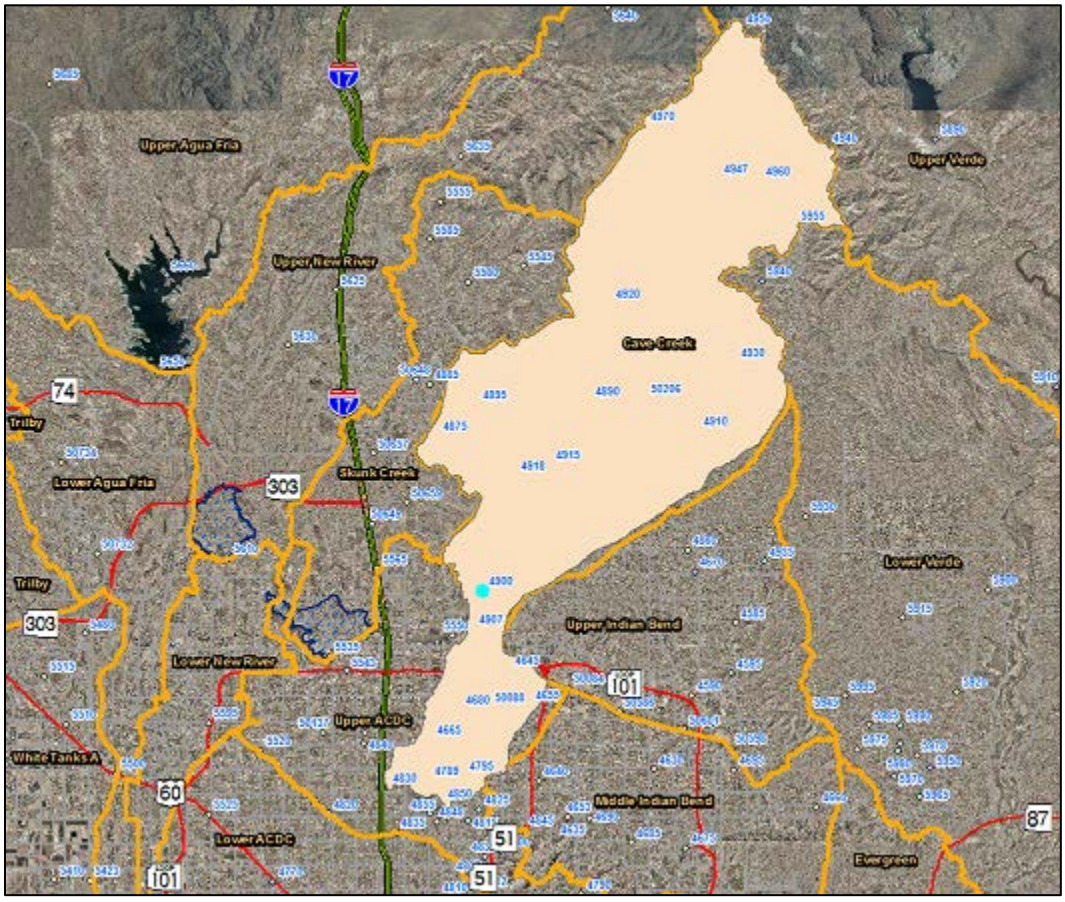
Cave Creek at Cactus Road – ID #11807

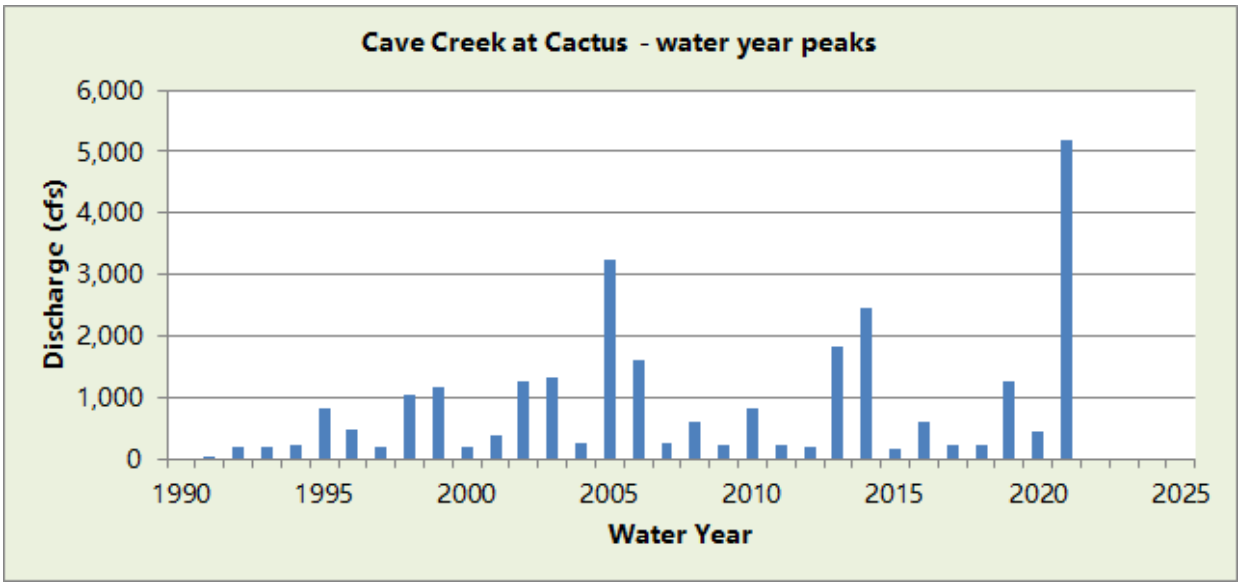


Site Data

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	30.26 Years | 11,054 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	5,183 cfs | 12.66 feet | 08/14/2021

Watershed Map

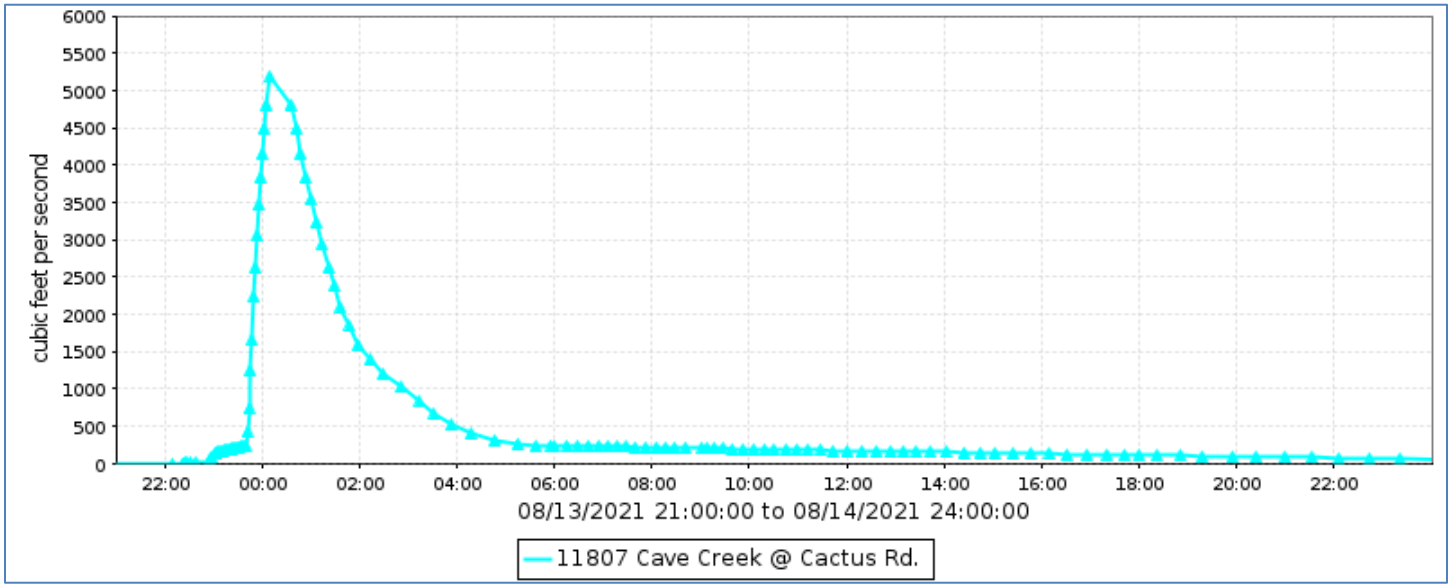




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/25/2021	2.53	54
07/23/2021	4.31	124
07/25/2021	1.29	16
08/14/2021	12.66	5,183
08/17/2021	3.73	104
08/18/2021	11.14	1,567

Hydrograph of peak WY 2021 flow event, 08/14/2021



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**
489	**1,200**	**2,020**	**3,200**	**5,540**	**8,130**

NOTE: These results are based on limited data.

Cave Creek at Cactus Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											33	
14											531	
15											13	
16												
17											54	
18											204	
19											131	
20											150	
21											62	
22										4	14	
23										108	1	
24										40		
25				15						6		
26				10						3		
27												
28												
29				1	---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	25	0	0	0	0	0	162	1192	0
MEAN	0	0	0	1	0	0	0	0	0	5	38	0
MAX	0	0	0	54	0	0	0	0	0	124	5183	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	51	0	0	0	0	0	320	2365	0

WTR YR 2021 TOTAL 1379 MEAN 4 MAX 5183 MIN 0 AC_FT 2736

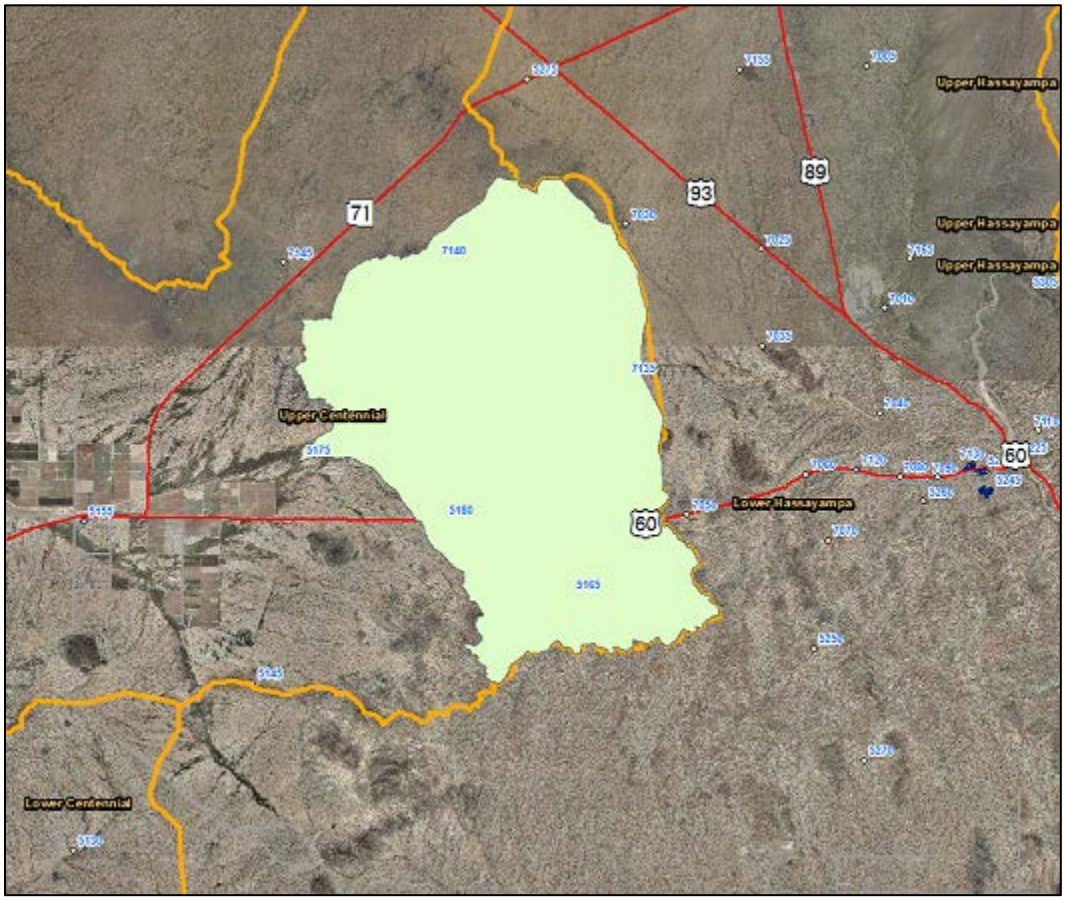
Centennial Wash near Aguila, ID #29007

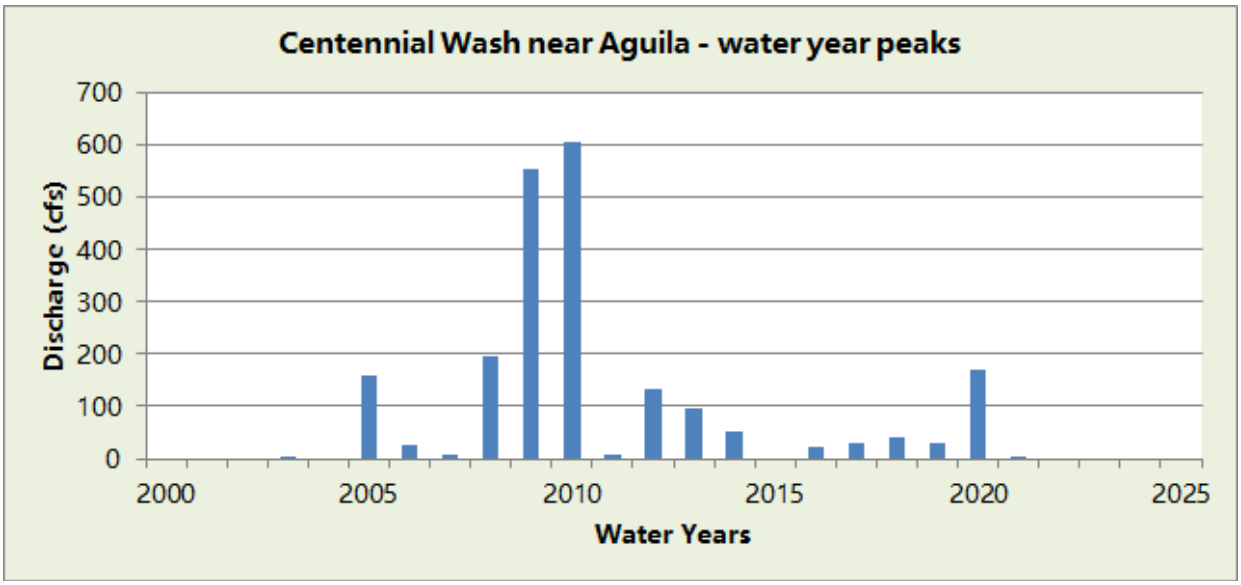


Site Data

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	20.32 Years | 7,423 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

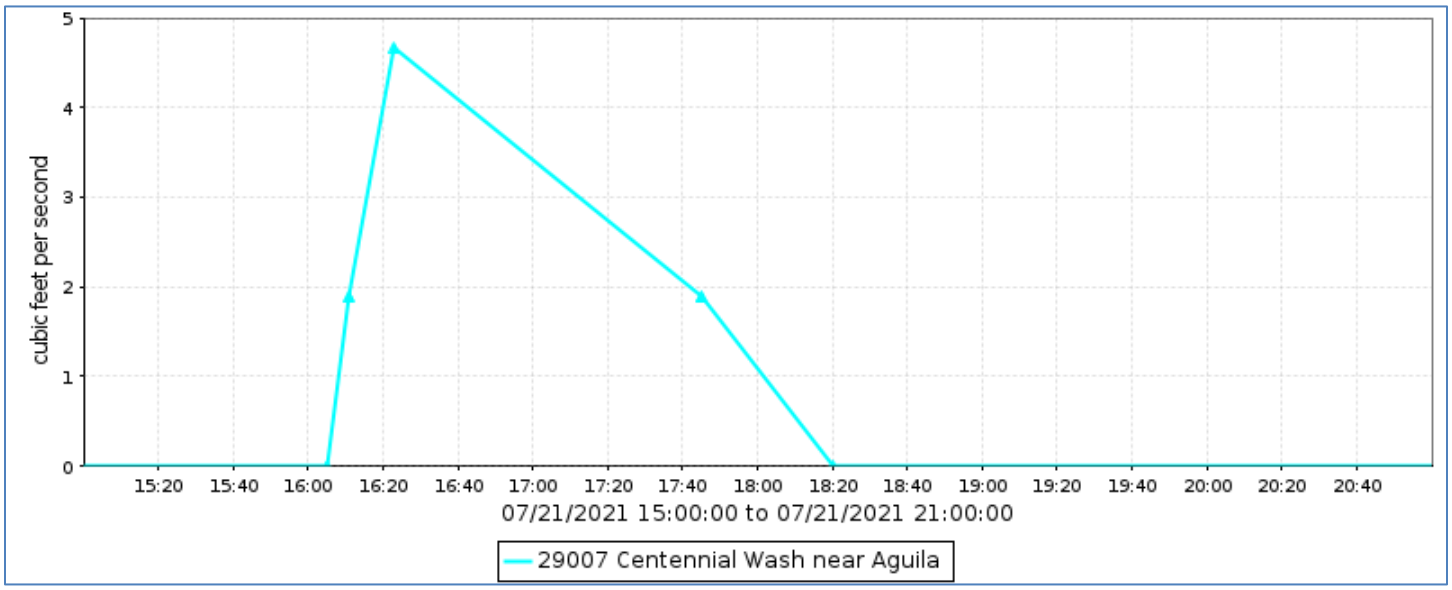




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/21/2021	0.25	5
08/13/2021	0.13	2

Hydrograph of peak WY 2021 flow event, 07/21/2021



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**
29	**133**	**283**	**517**	**996**	**1,520**

Centennial Wash near Aguila, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	5	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	1	0	0

WTR YR 2021 TOTAL 1 MEAN 0 MAX 5 MIN 0 AC_FT 2

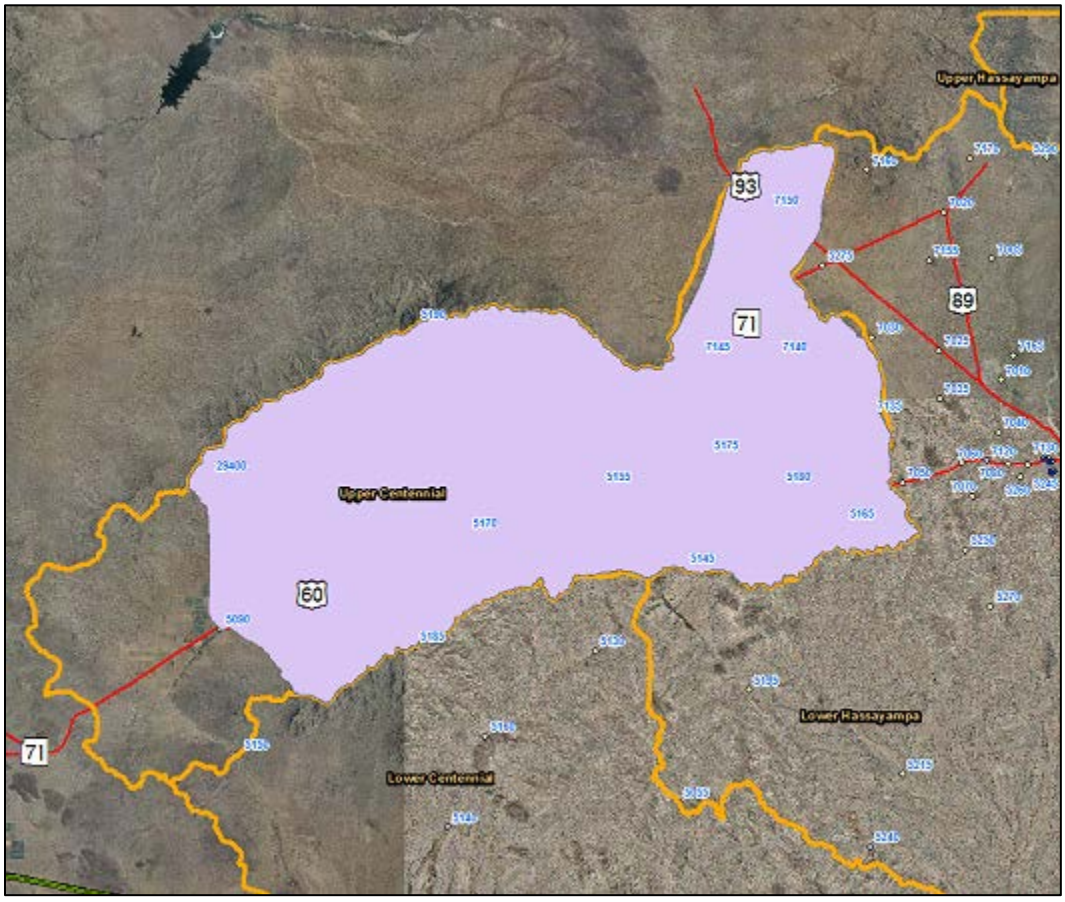
Centennial Wash at Wenden, ID #27507

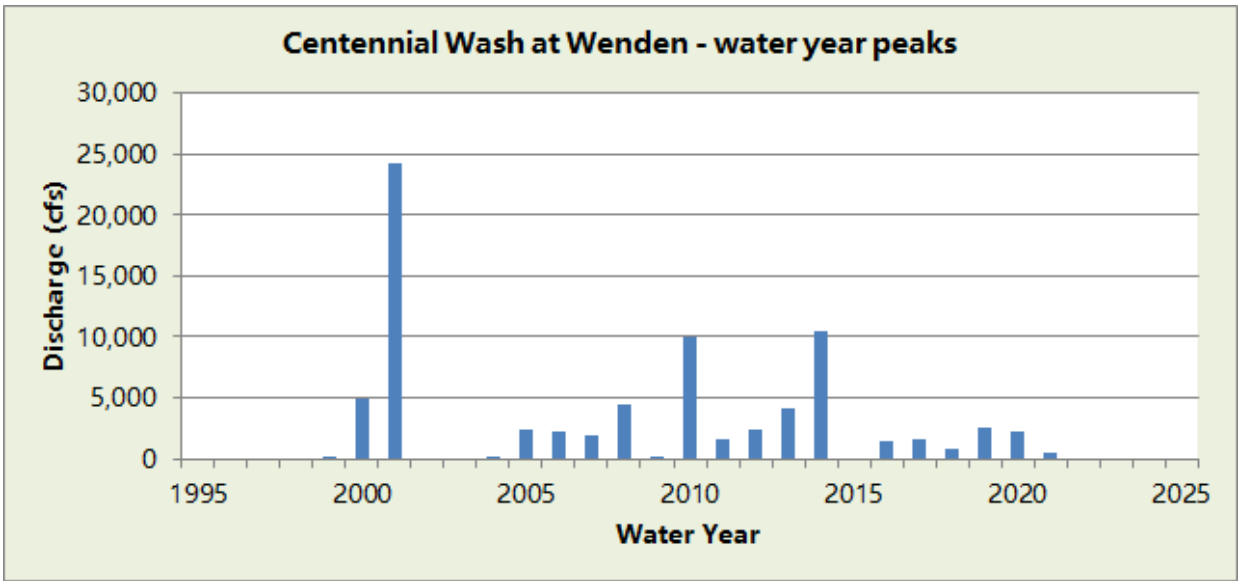


Site Data

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	23.04 Years | 8,416 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	1,857.91 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

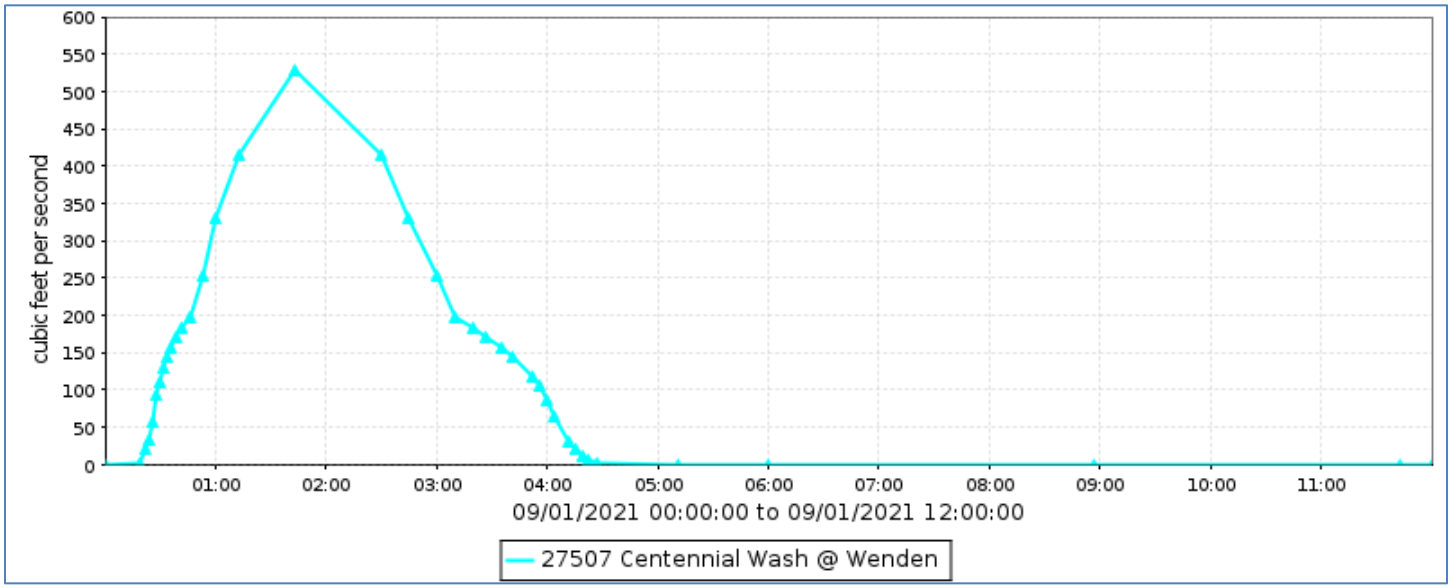




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/15/2021	2.59	400
08/11/2021	2.41	282
08/16/2021	1.42	112
09/01/2021	2.74	528

Hydrograph of peak WY 2021 flow event, 09/01/2021



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**
1,550	**5,180**	**8,980**	**13,600**	**20,900**	**27,100**

NOTE: These results are based on limited data.

Centennial Wash at Wenden, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												49
2			---									
3												
4												
5												
6												
7												
8												
9												
10												
11											77	
12												
13												
14						---				12		
15						---				28		
16											25	
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25												
26												
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29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	40	102	49
MEAN	0	0	0	0	0	0	0	0	0	1	3	2
MAX	0	0	0	0	0	0	0	0	0	400	282	528
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	79	203	98

WTR YR 2021 TOTAL 191 MEAN 1 MAX 528 MIN 0 AC_FT 379

Centennial Levee, ID #25707

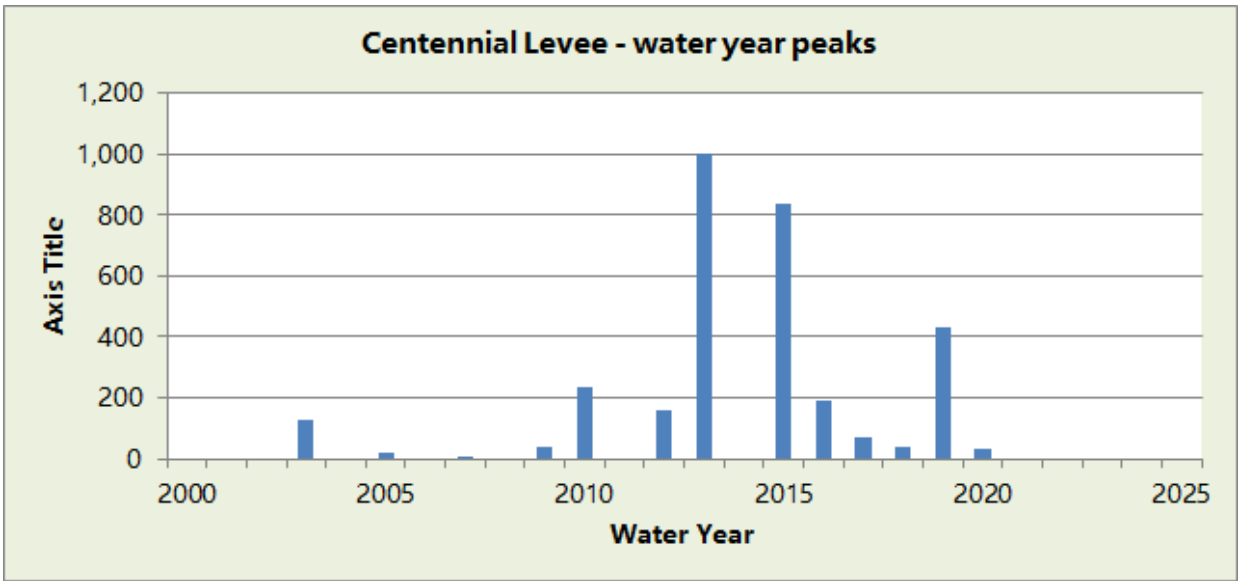


Site Data

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	18.23 Years | 6,659 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded during Water Year 2021.

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**
41	**226**	**499**	**911**	**1,700**	**2,510**

Centennial Levee, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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												
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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

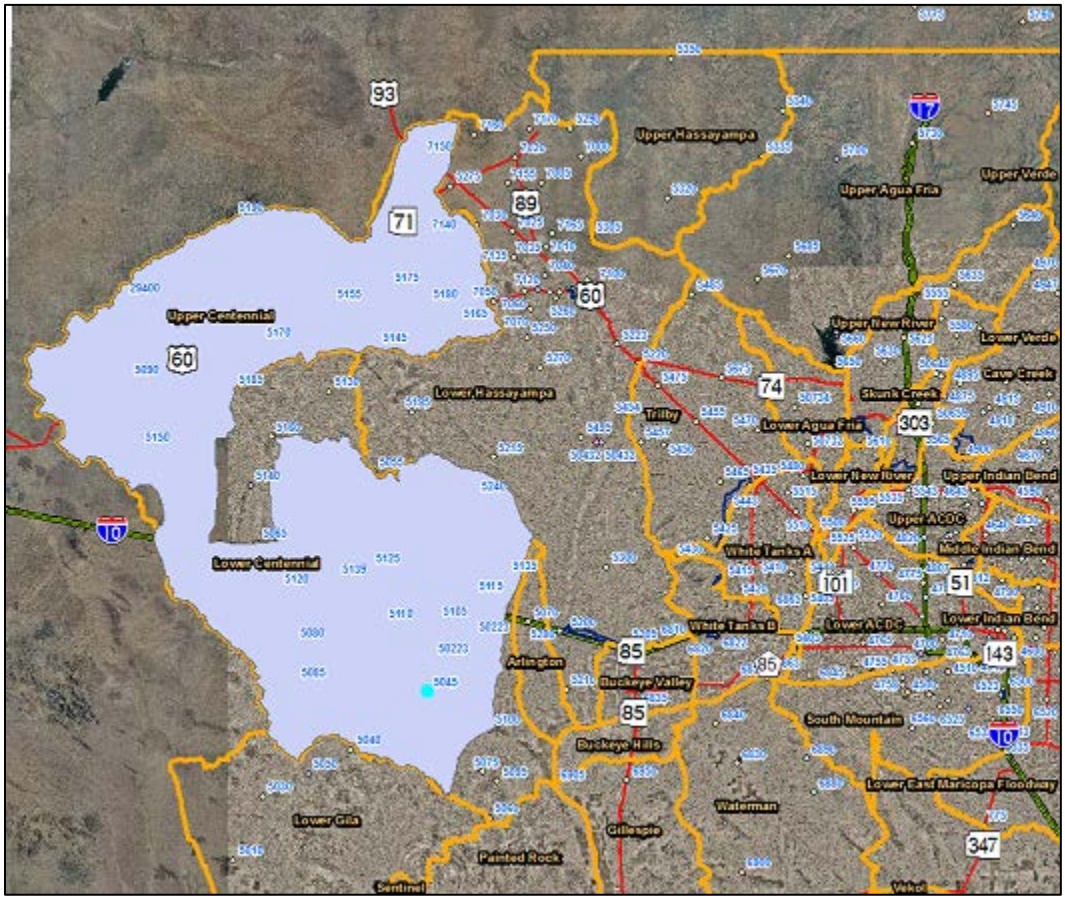
Centennial Wash at UPRR, ID #24707

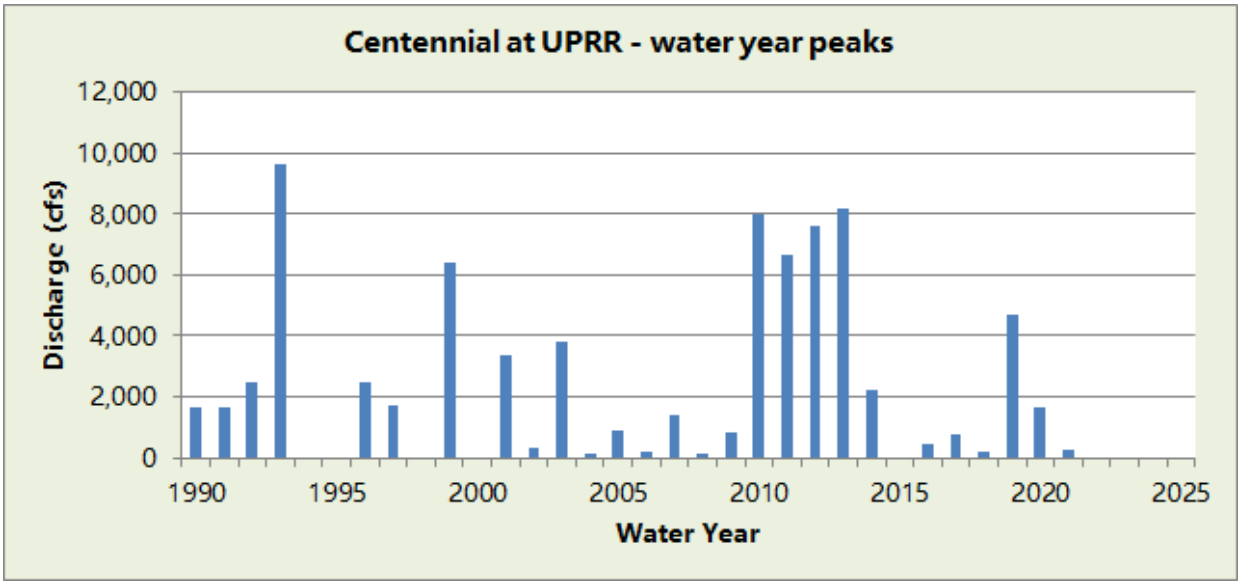


Site Data

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	31.64 Years | 11,557 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	4.95 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	839.04 feet NAVD88
POINT OF ZERO FLOW	5.3 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

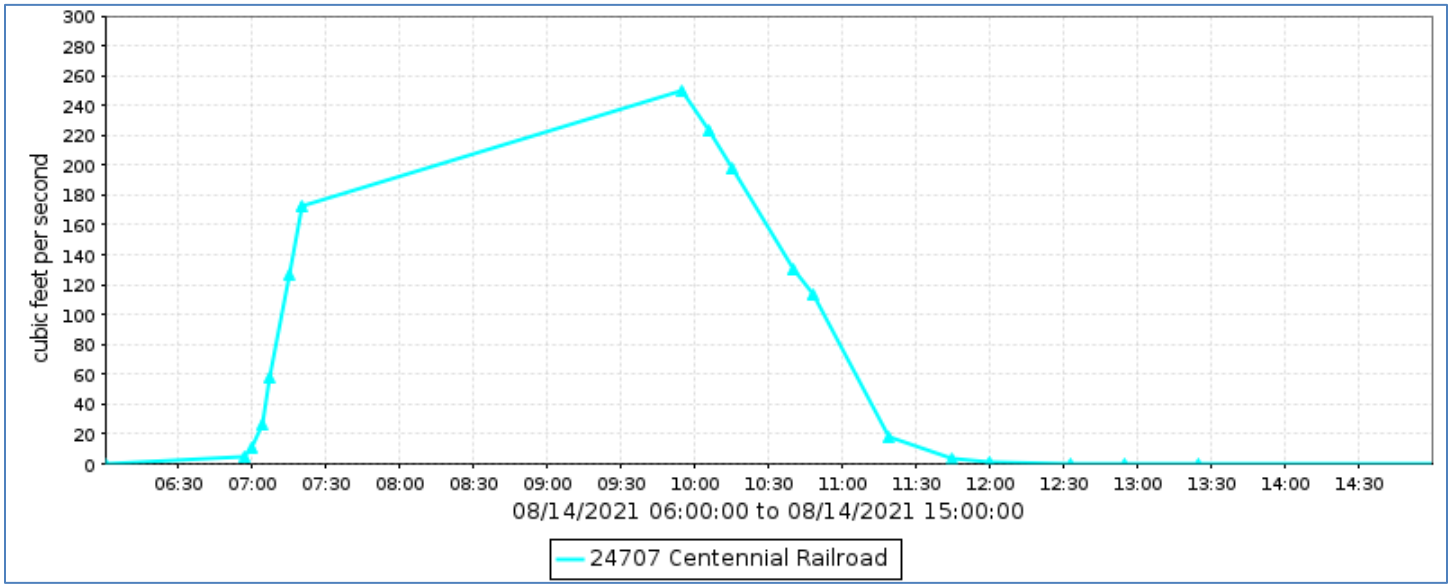




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/14/2021	7.12	106
08/14/2021	7.79	250

Hydrograph of peak WY 2021 flow event, 08/14/2021



Flood Flow Frequency

Flood Flow Frequency N=32, HEC-WRC computation (based on 32 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,130	**3,890**	**6,870**	**10,600**	**16,600**	**21,800**

NOTE: These results are based on limited data.

Centennial Wash at SPRR, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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14											34	
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24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	34	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	0	250	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	67	0

WTR YR 2021 TOTAL 34 MEAN 0 MAX 250 MIN 0 AC_FT 67

Centennial Tributary at Dobbins Road, ID #22807

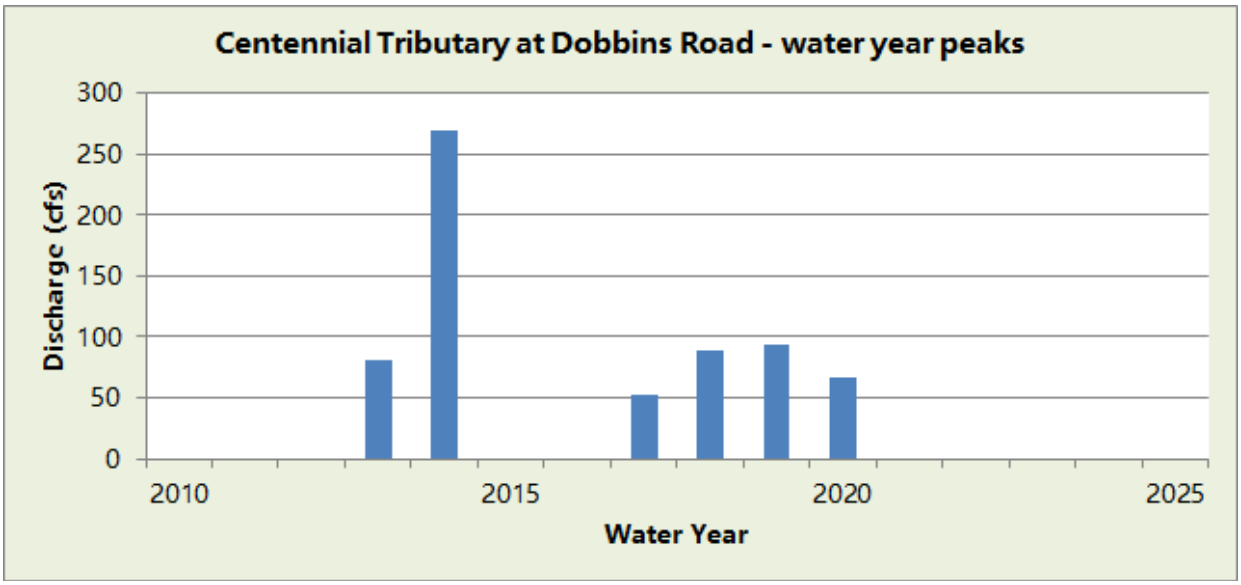


Site Data

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	9.00 Years | 3,287 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded during Water Year 2021.

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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

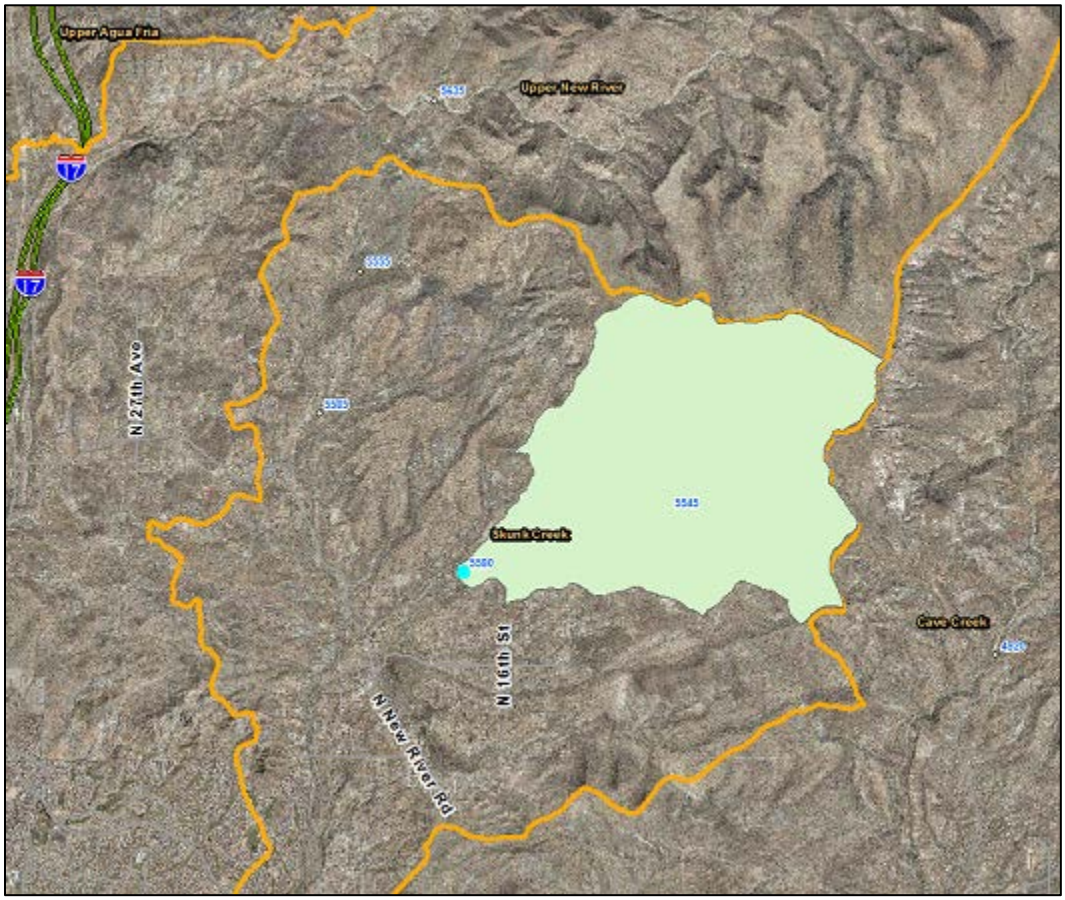
Cline Creek, ID #66007

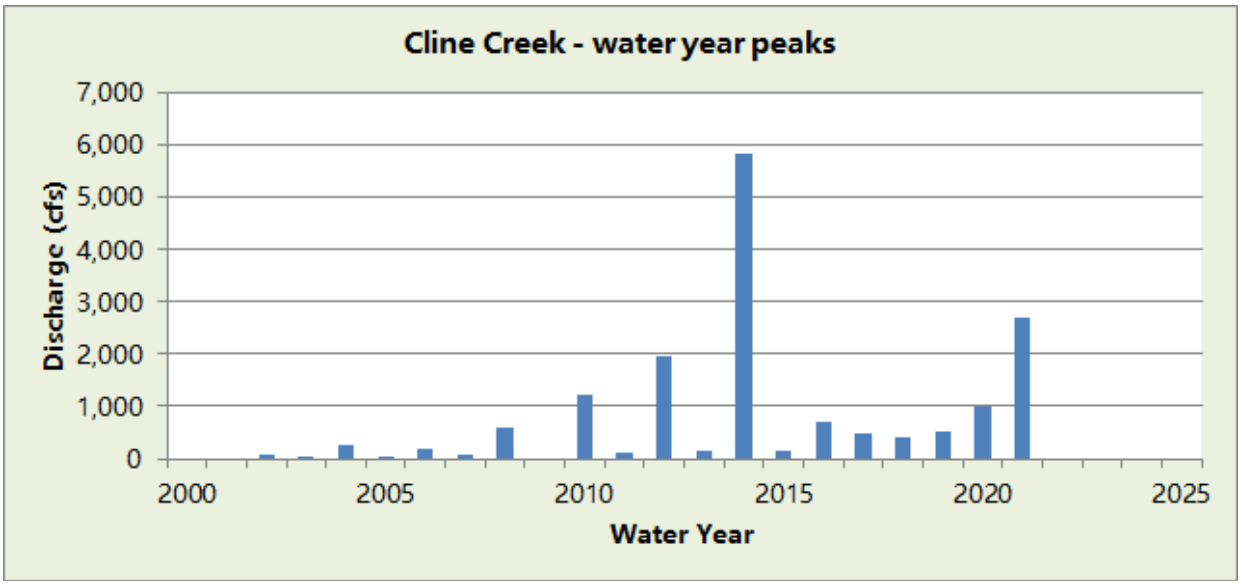


Site Data

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	19.86 Years | 7,255 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

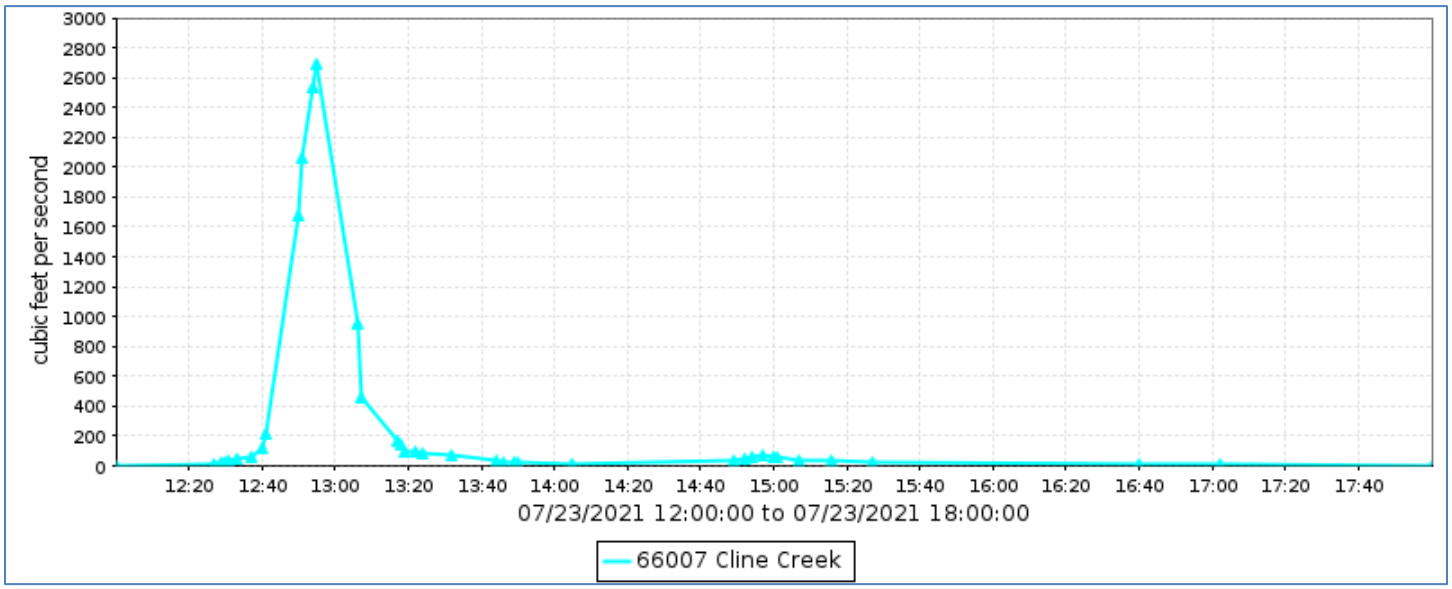




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	6.90	2,694
08/18/2021	1.27	56

Hydrograph of peak WY 2021 flow event, 07/23/2021



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**
285	**1,310**	**2,510**	**4,010**	**6,330**	**8,260**

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

Cline Creek, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											3	
19												
20												
21												
22												
23										40		
24												
25										1		
26												
27												
28					---							
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	42	3	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	0	0	0	0	0	0	0	2694	56	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	83	6	0

WTR YR 2021 TOTAL 44 MEAN 0 MAX 2694 MIN 0 AC_FT 88

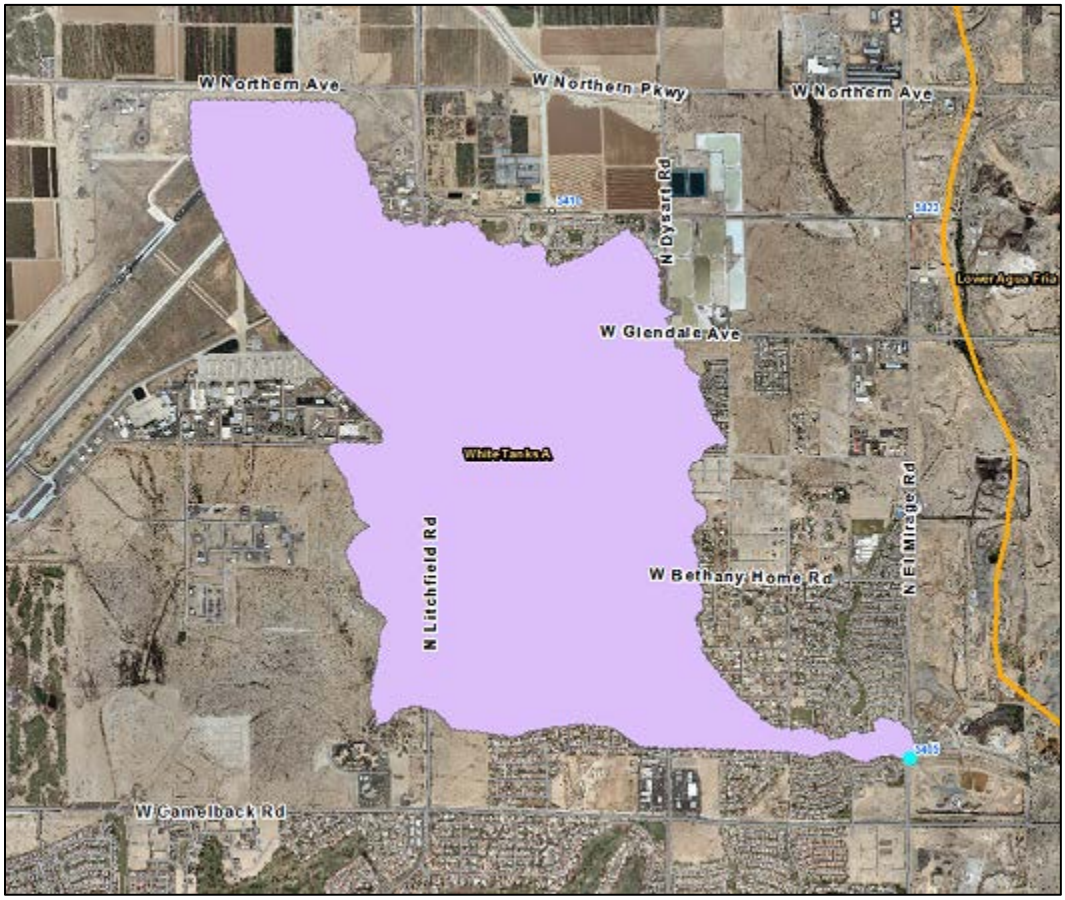
Colter Channel at El Mirage Road, ID #85507

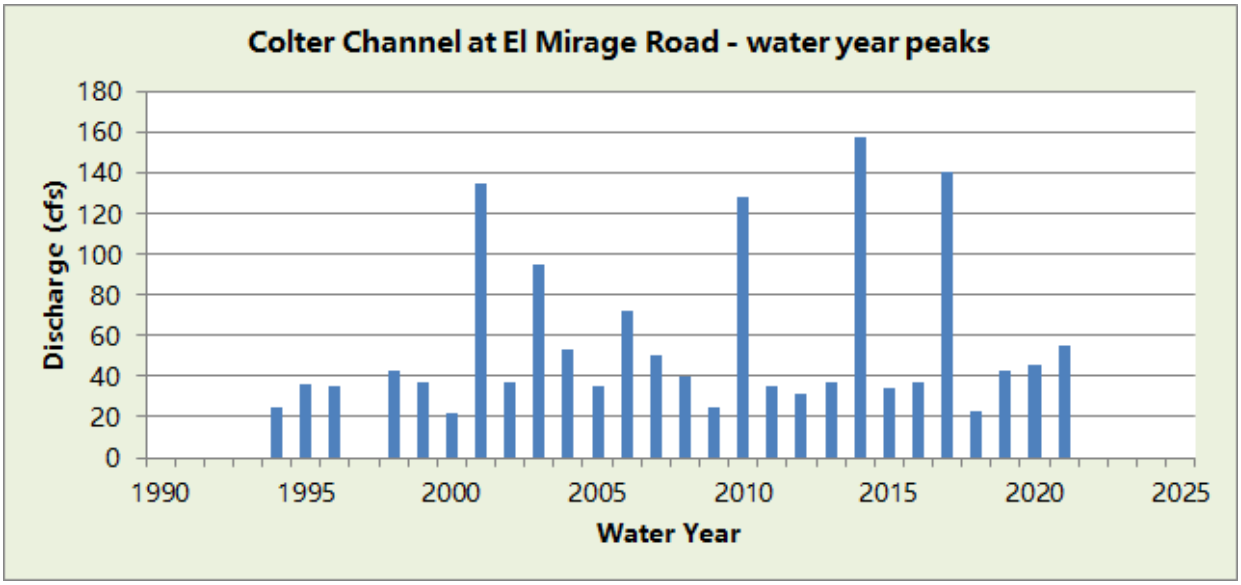


Site Data

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	27.26 Years | 9,956 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

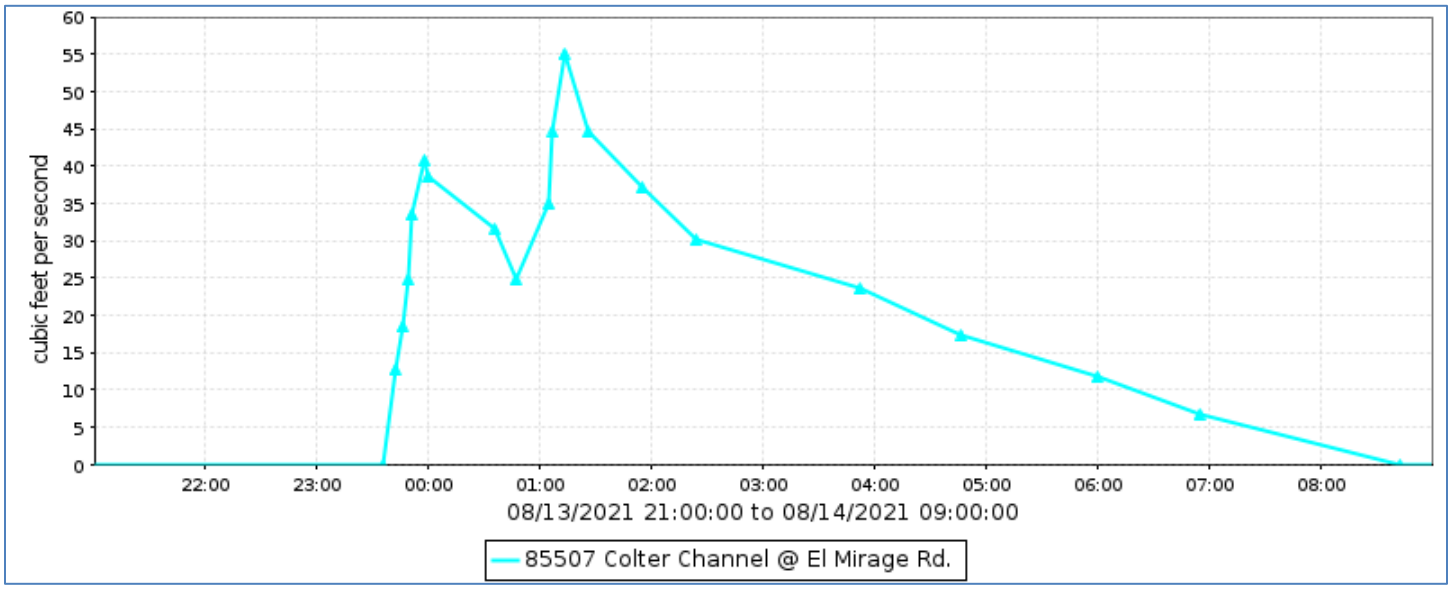




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/14/2021	0.82	46
07/25/2021	0.85	48
08/11/2021	0.82	46
08/14/2021	0.90	55
08/17/2021	0.62	32
09/01/2021	0.40	17

Hydrograph of peak WY 2021 flow event, 08/14/2021



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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												1
2												
3												
4												
5												---
6												
7												
8												
9												
10			3									
11											6	
12						1					2	
13						1						
14										6	8	
15										1		
16												
17										1	9	
18												
19												
20												
21										1		
22												
23												
24												
25										8		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	3	0	0	2	0	0	0	17	25	1
MEAN	0	0	0	0	0	0	0	0	0	1	1	0
MAX	0	0	17	0	0	3	0	0	0	48	55	17
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	5	0	0	3	0	0	0	33	50	1

WTR YR 2021 TOTAL 47 MEAN 0 MAX 55 MIN 0 AC_FT 93

Columbus Wash – ID #40807

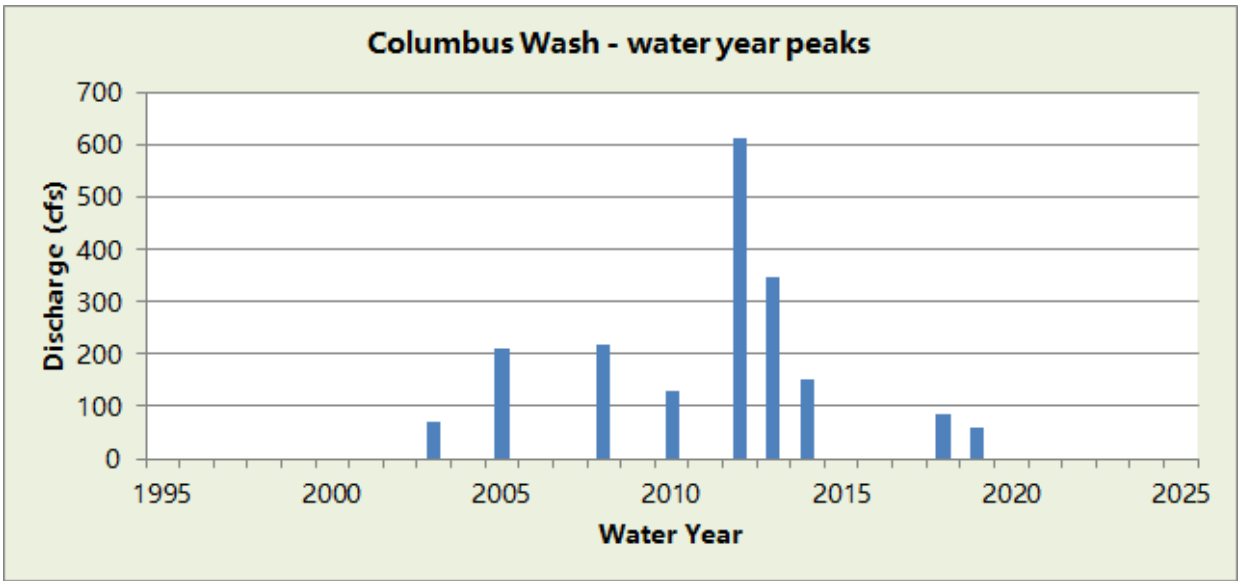


Site Data

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	22.03 Years | 8,045 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

There were no runoff events recorded in Water Year 2021.

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 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

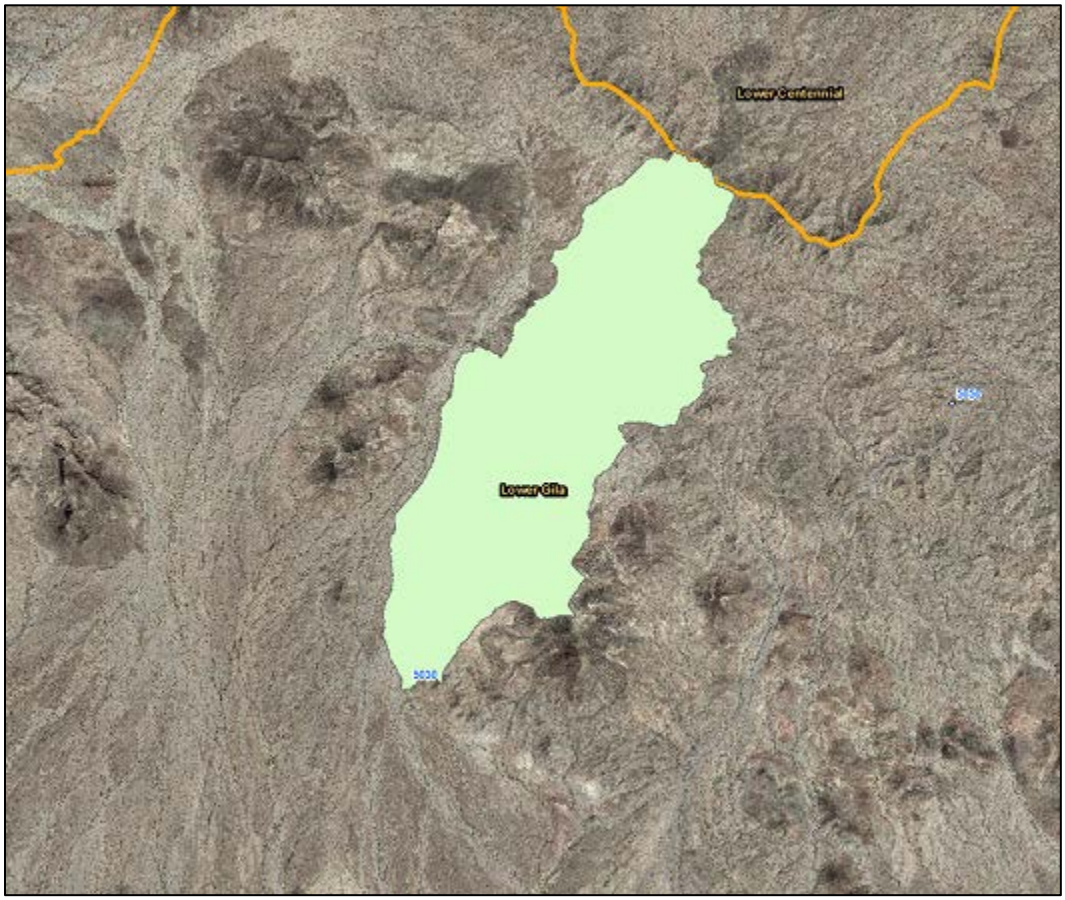
Copper Wash, ID #41007

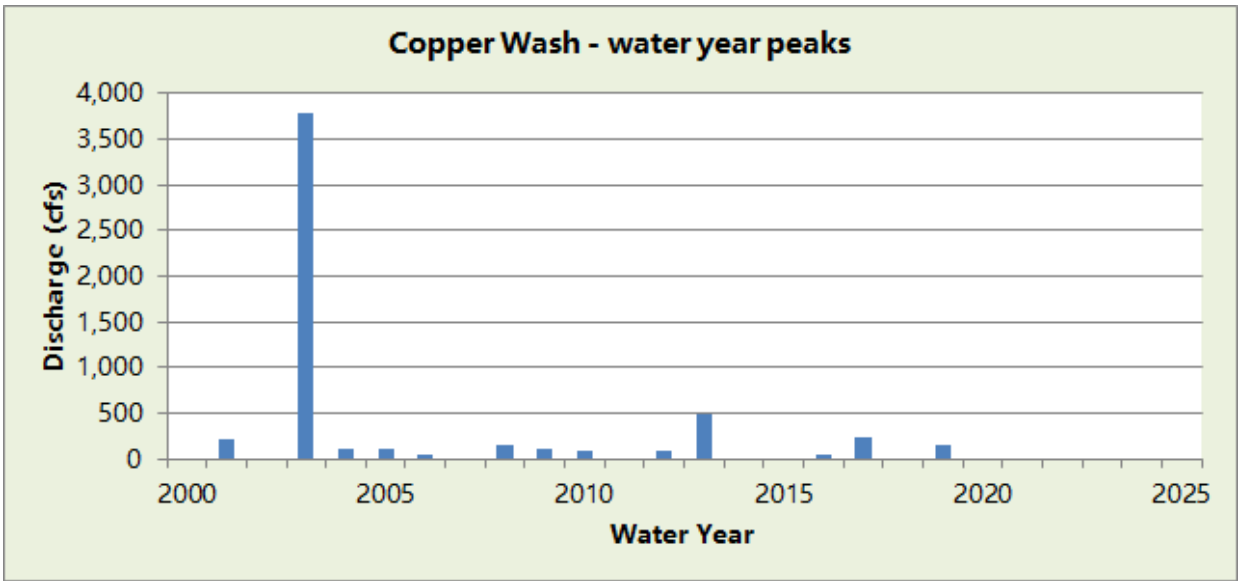


Site Data

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	20.61 Years | 7,528 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

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**
35	**243**	**601**	**1,210**	**2,500**	**3,930**

NOTE: These results are based on very limited data.

Copper Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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												
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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

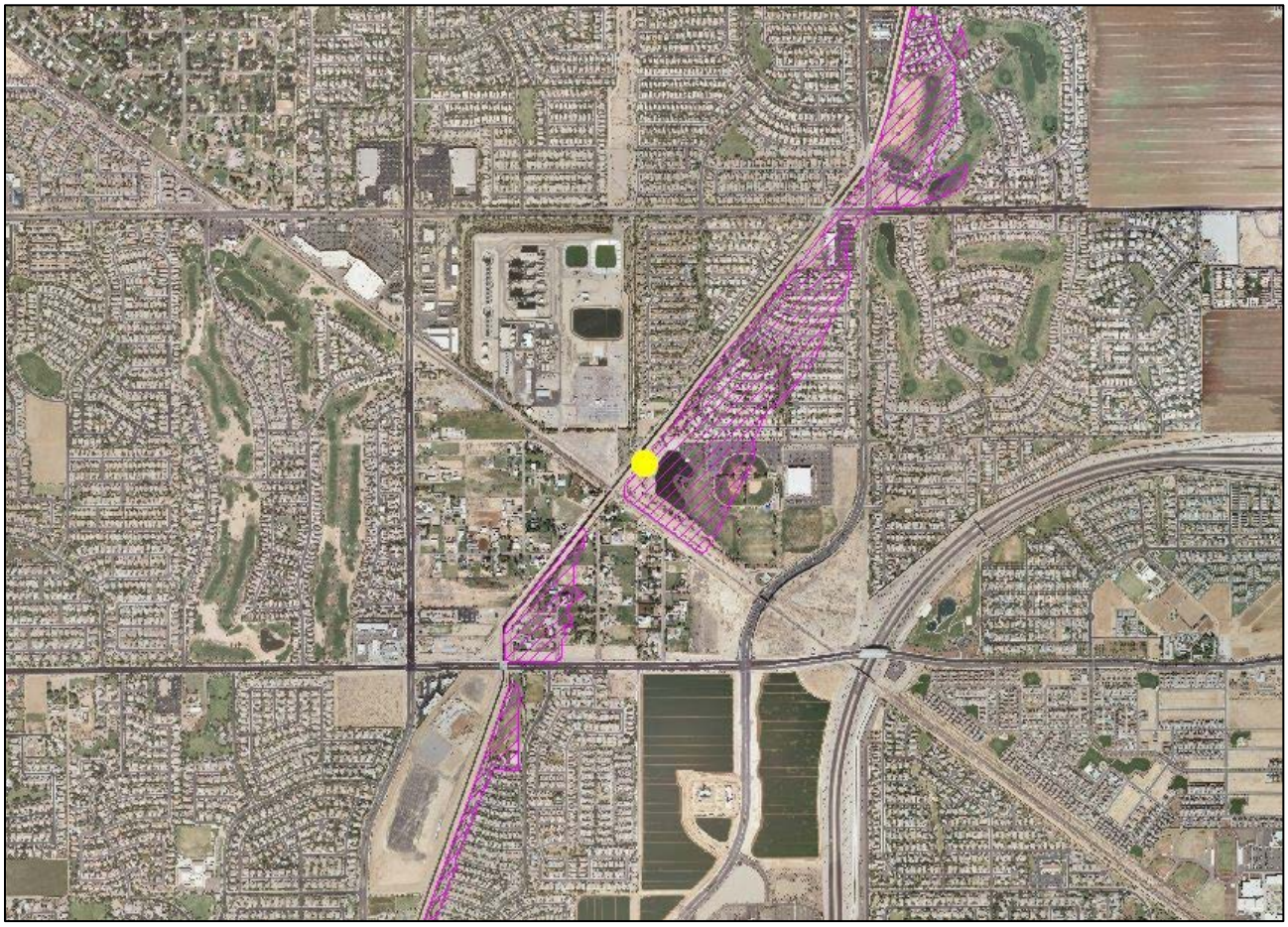
Crossroads Park Basin, ID #33007

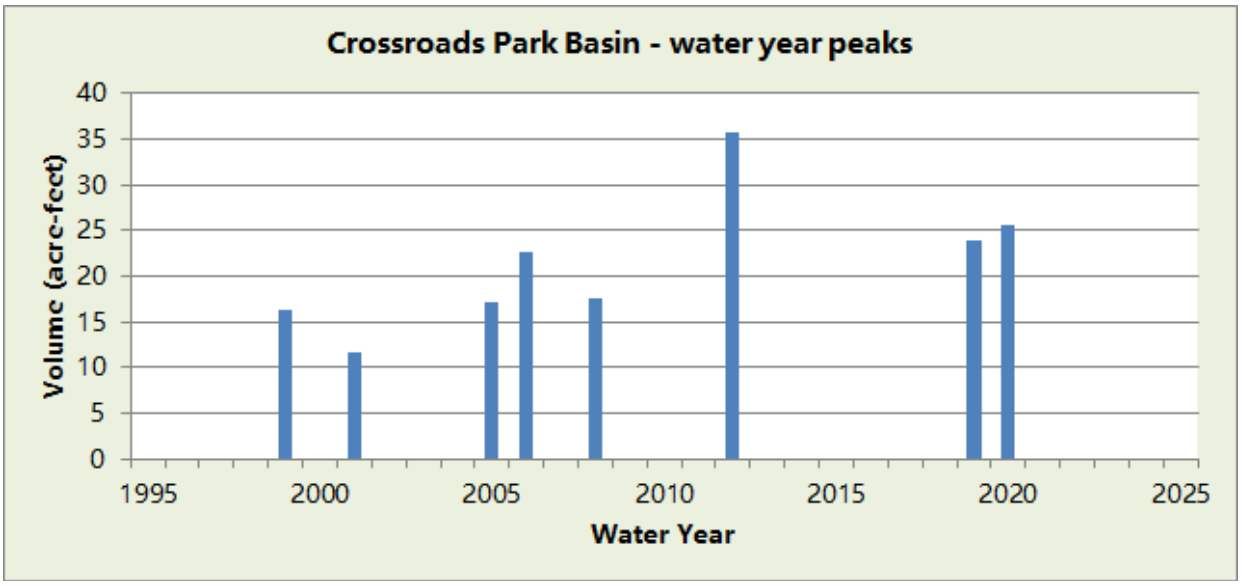


Site Data

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	25.79 Years | 9,419 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





WY2021 Events

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

Hydrograph of peak 2021 impoundment event,

No impoundments recorded during Water Year 2021.

Crossroads Park, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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 2021 MEAN 0 MAX 0 MIN 0

Crossroads Park Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.0	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
7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
8	1.3	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
10	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
11	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
13	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
14	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
15	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
16	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
17	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
18	0.0	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
24	---	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
26	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
27	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
28	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
29	1.3	1.3	1.3	1.3	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3
30	1.3	1.3	1.3	1.3	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3
31	1.3	---	1.3	1.3	---	1.3	---	1.3	---	1.3	1.3	---
MEAN	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
MAX	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	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 2021 MEAN 1.33 MAX 1.35 MIN 1.33

Cruff Wash, ID #23707

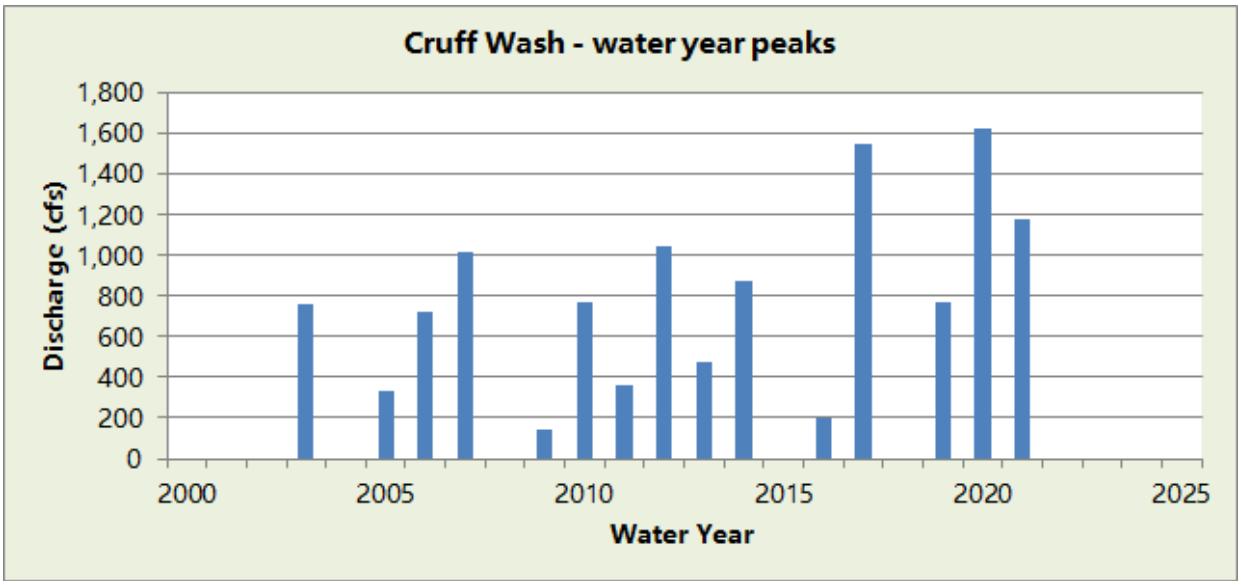


Site Data

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	19.38 Years | 7,080 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

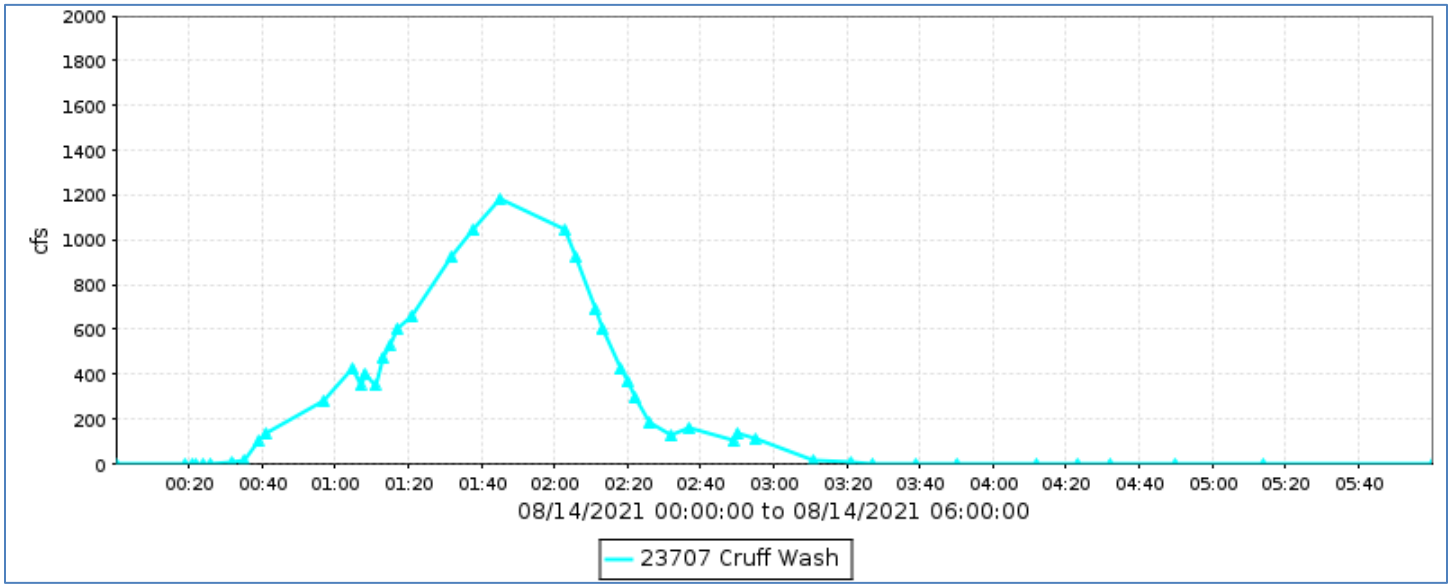




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/14/2021	4.28	1,181
08/17/2021	3.11	385

Hydrograph of peak WY 2021 flow event, 08/14/2021



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**
517	**1,040**	**1,380**	**1,670**	**1,990**	**2,190**

NOTE: These results are based on very limited data.

Cruff Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											52	
15												
16												
17											12	
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	64	0
MEAN	0	0	0	0	0	0	0	0	0	0	2	0
MAX	0	0	0	0	0	0	0	0	0	0	1181	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	127	0

WTR YR 2021 TOTAL 64 MEAN 0 MAX 1181 MIN 0 AC_FT 127

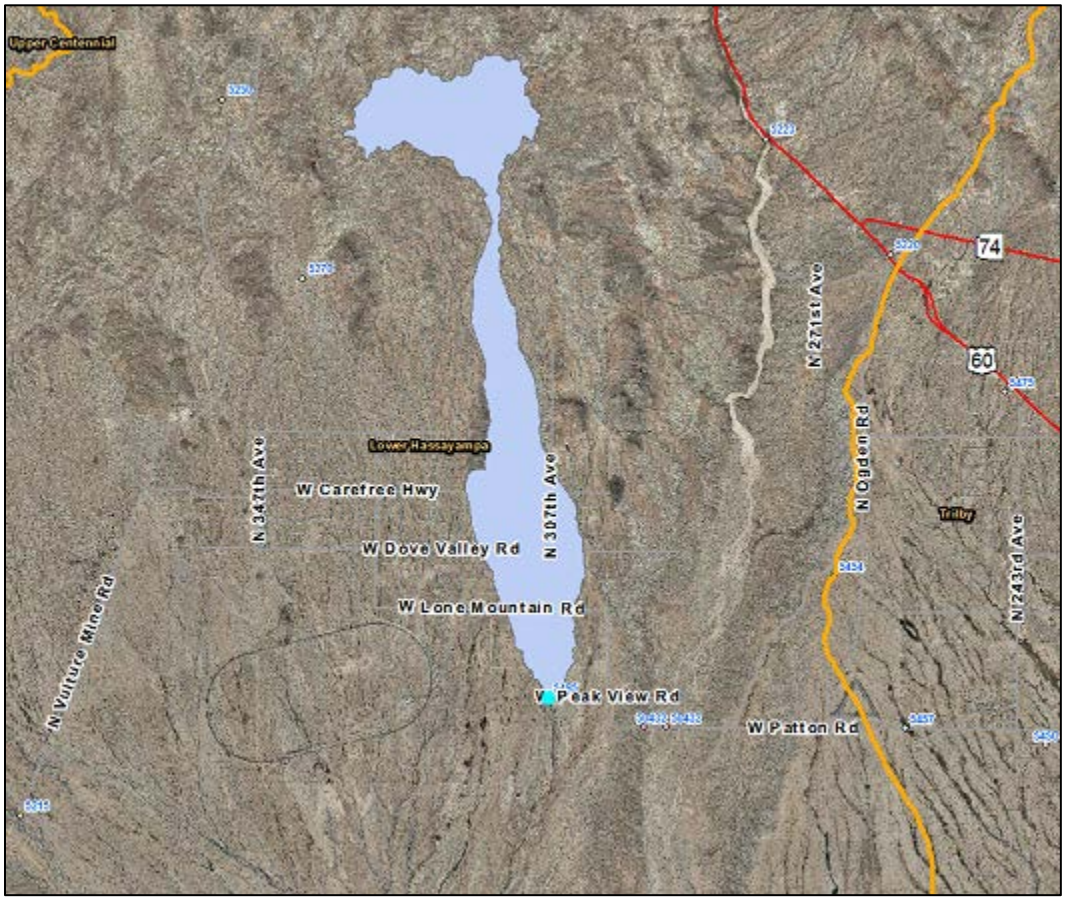
Daggs Wash, ID #48507

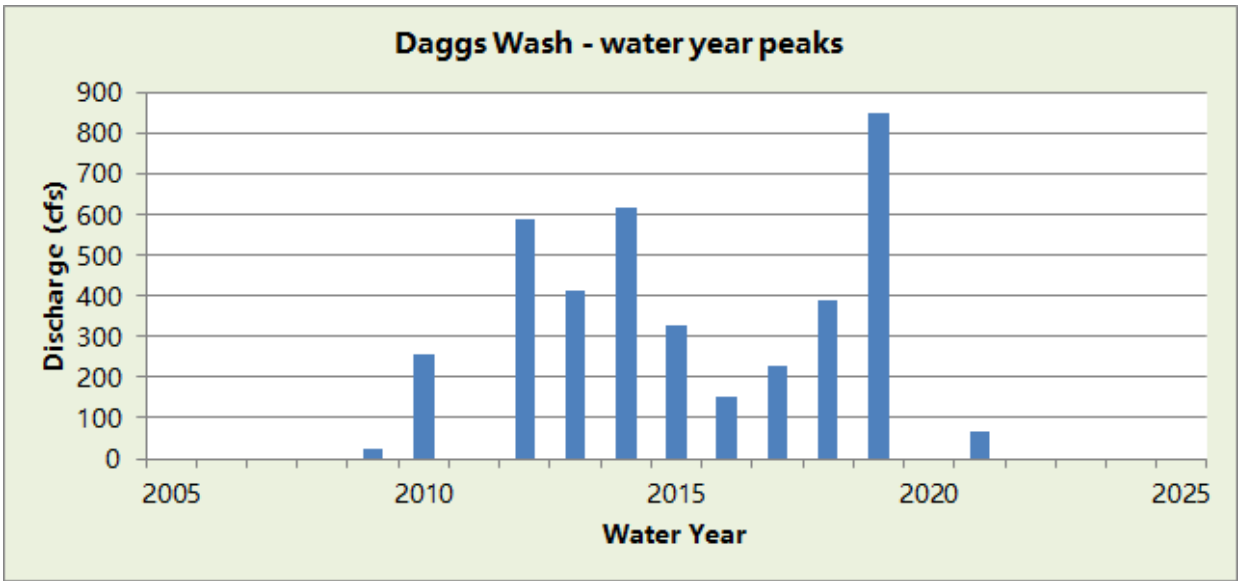


Site Data

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	13.90 Years | 5,076 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

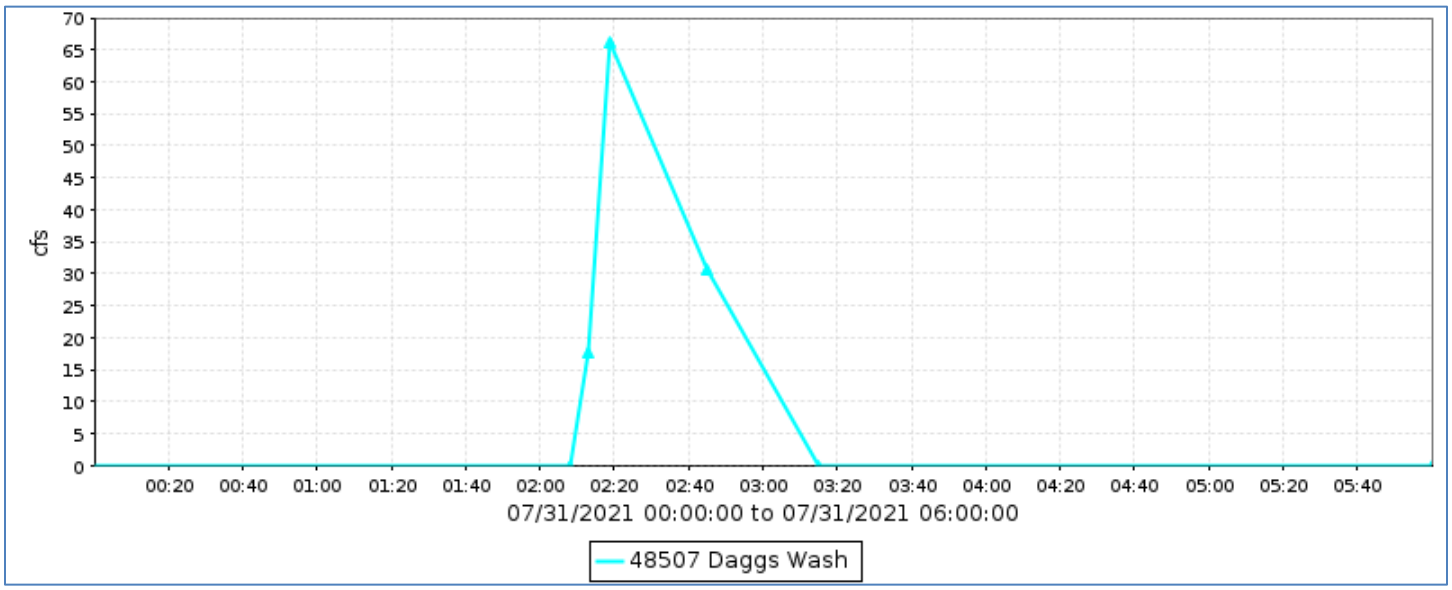




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/31/2021	0.46	66

Hydrograph of peak WY 2021 flow event, 07/31/2021



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 2020 to September 2021

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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11												
12												
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22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	2		---
TOTAL	0	0	0	0	0	0	0	0	0	2	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	66	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	4	0	0

WTR YR 2021 TOTAL 2 MEAN 0 MAX 66 MIN 0 AC_FT 4

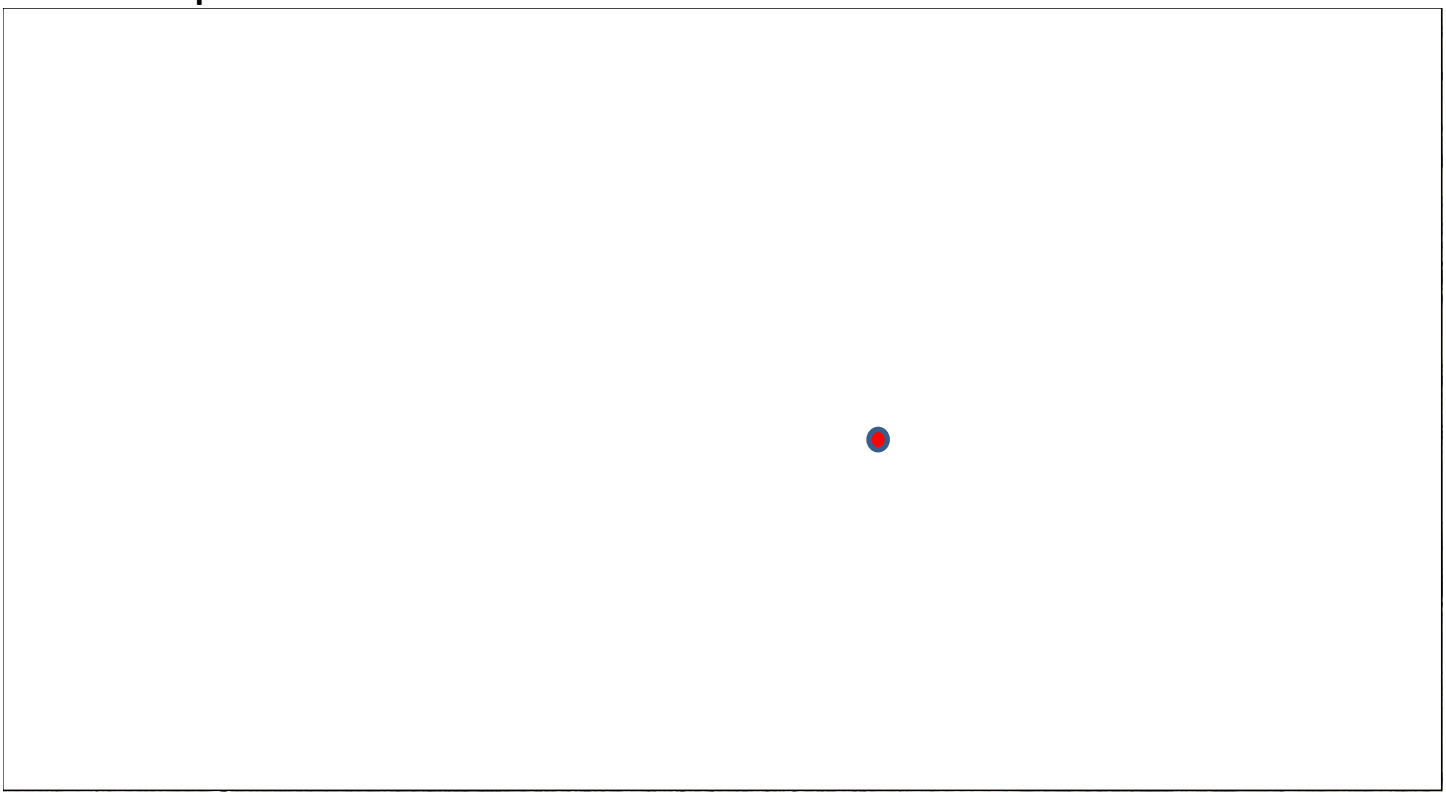
Deadman Wash at SR303L – ID #62107

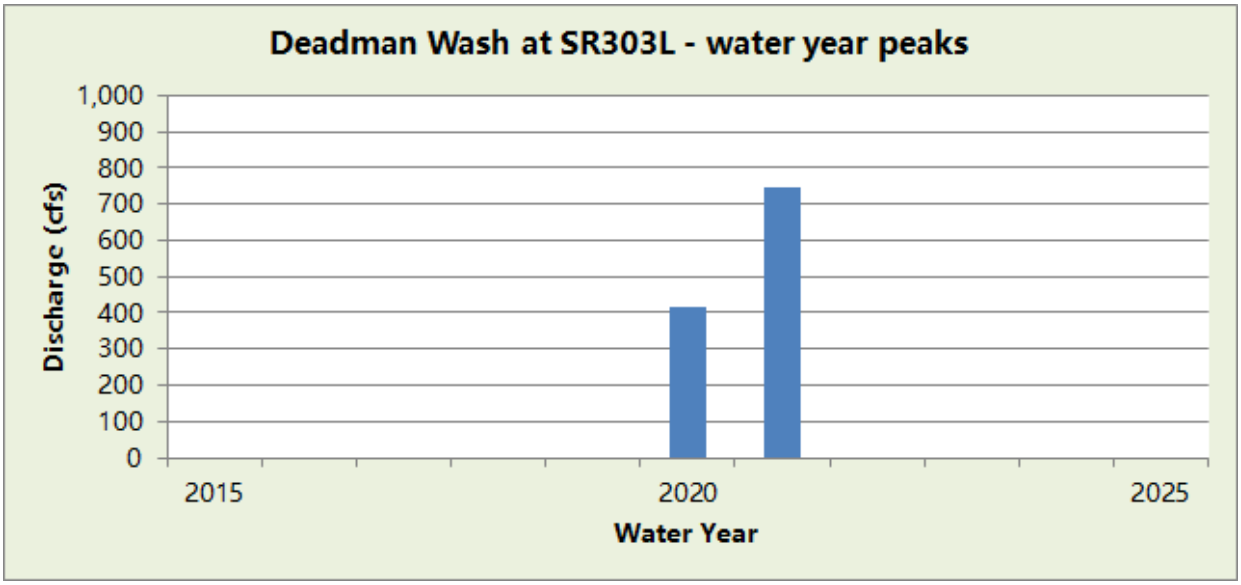


Site Data

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)	10/17/2019 - Current
LENGTH OF AVAILABLE POR DATA	1.96 Years | 715 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	749 cfs | 1.75 feet | 08/12/2021

Location Map

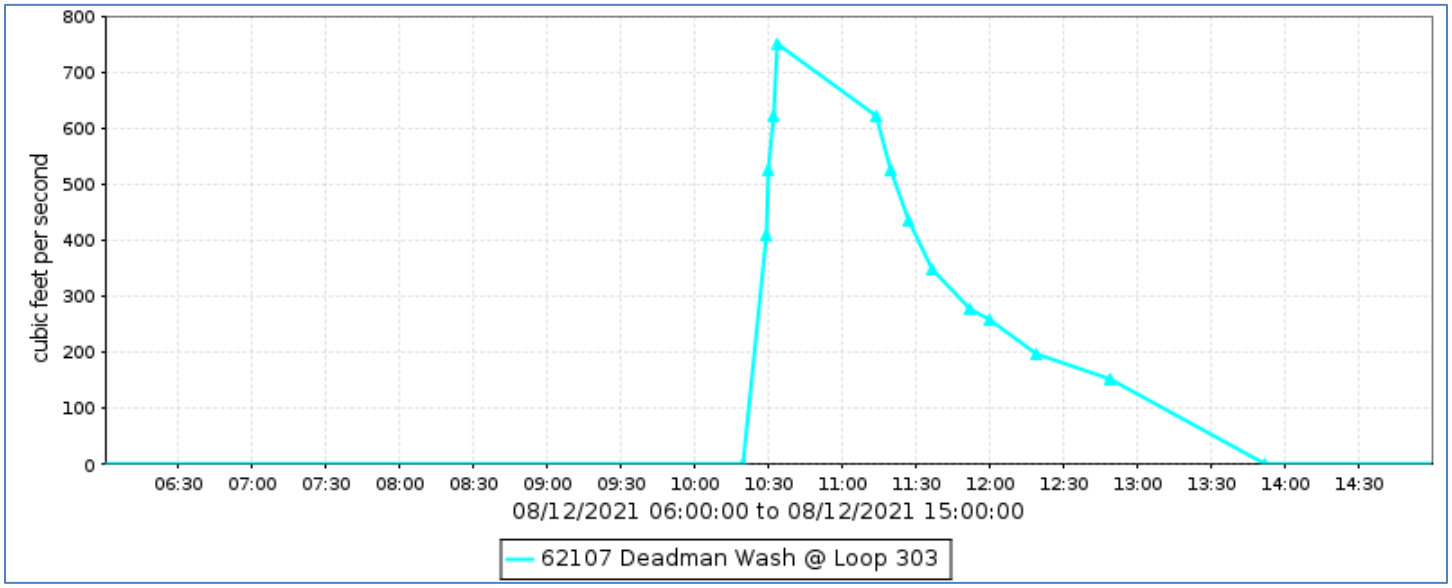




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/12/2021	1.75	749
08/13/2021	1.44	435

Hydrograph of peak WY 2021 flow event, 08/12/2021



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 2020 to September 2021

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											50	
13											12	
14											32	
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	95	0
MEAN	0	0	0	0	0	0	0	0	0	0	3	0
MAX	0	0	0	0	0	0	0	0	0	0	749	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	188	0

WTR YR 2021 TOTAL 95 MEAN 0 MAX 749 MIN 0 AC_FT 188

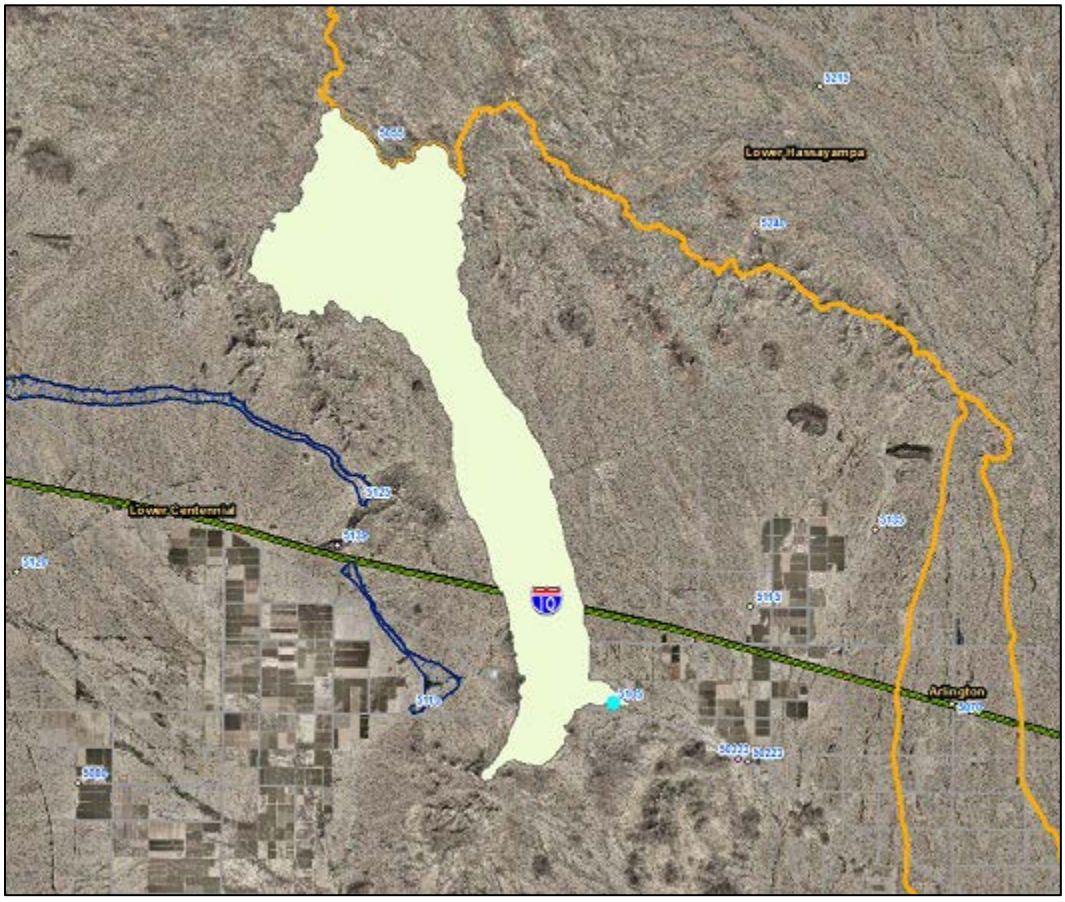
Delaney Wash – ID #25007

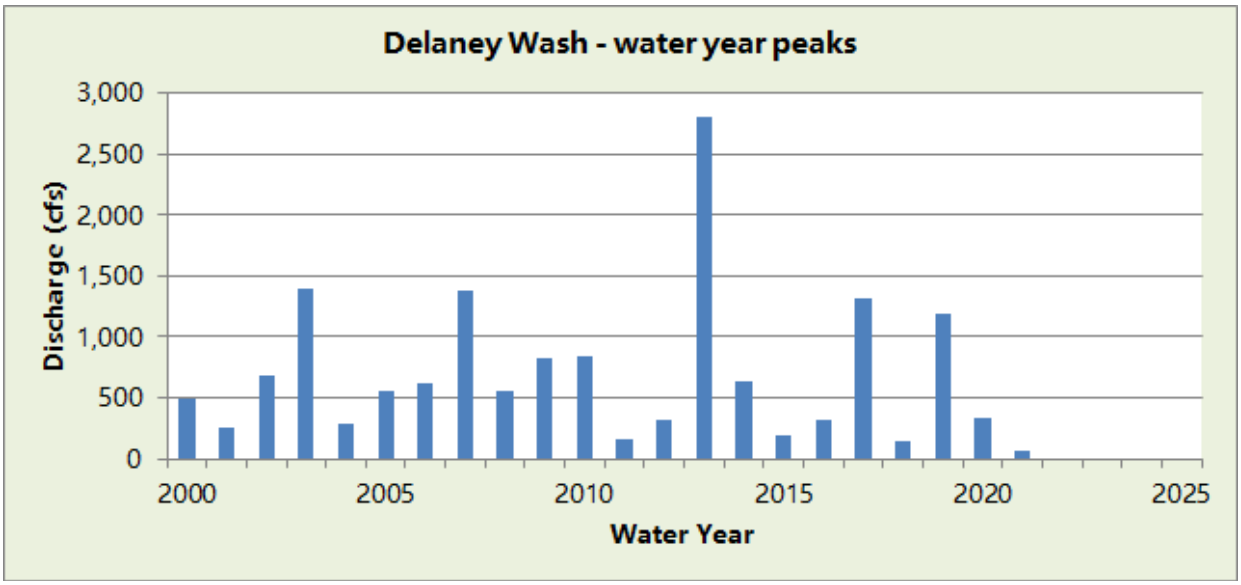


Site Data

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	21.78 Years | 7,954 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

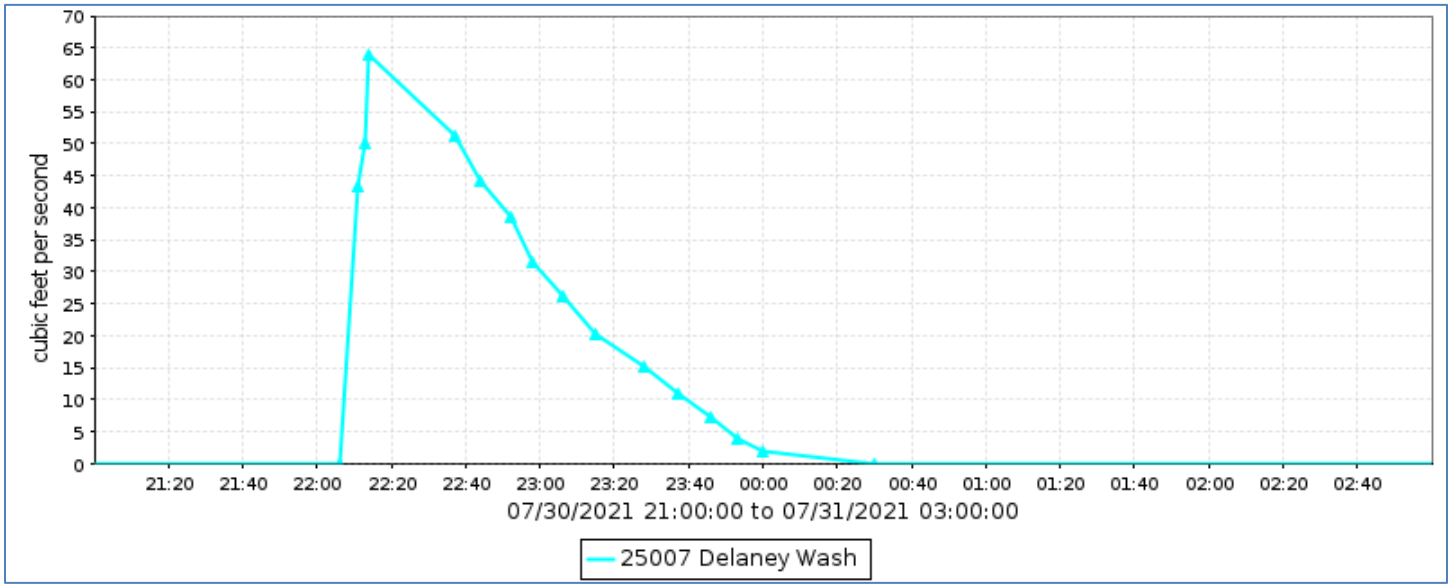




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/30/2021	1.29	64

Hydrograph of peak WY 2021 flow event, 07/30/2021



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**
510	**1,050**	**1,510**	**2,000**	**2,720**	**3,310**

NOTE: These results are based on very limited data.

Delaney Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---					3		
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	3	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	64	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	5	0	0

WTR YR 2021 TOTAL 3 MEAN 0 MAX 64 MIN 0 AC_FT 5

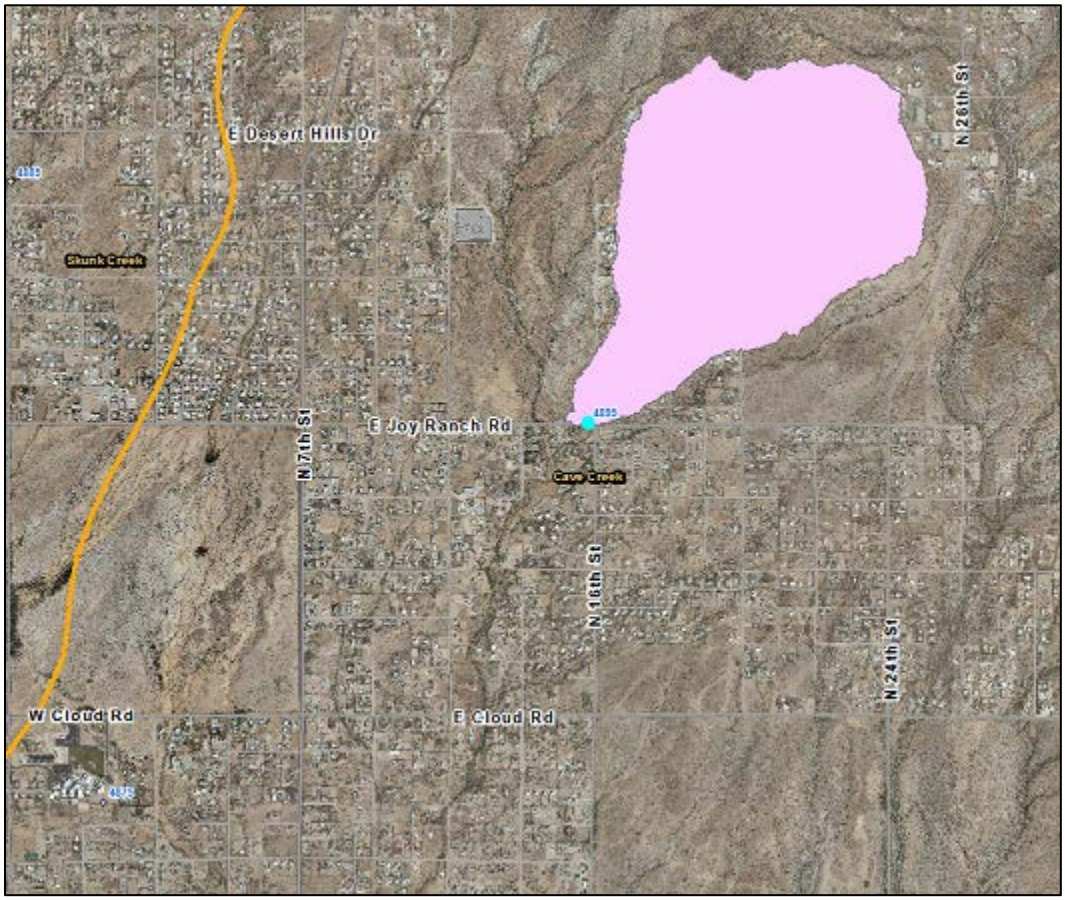
Desert Hills Wash, ID #19307

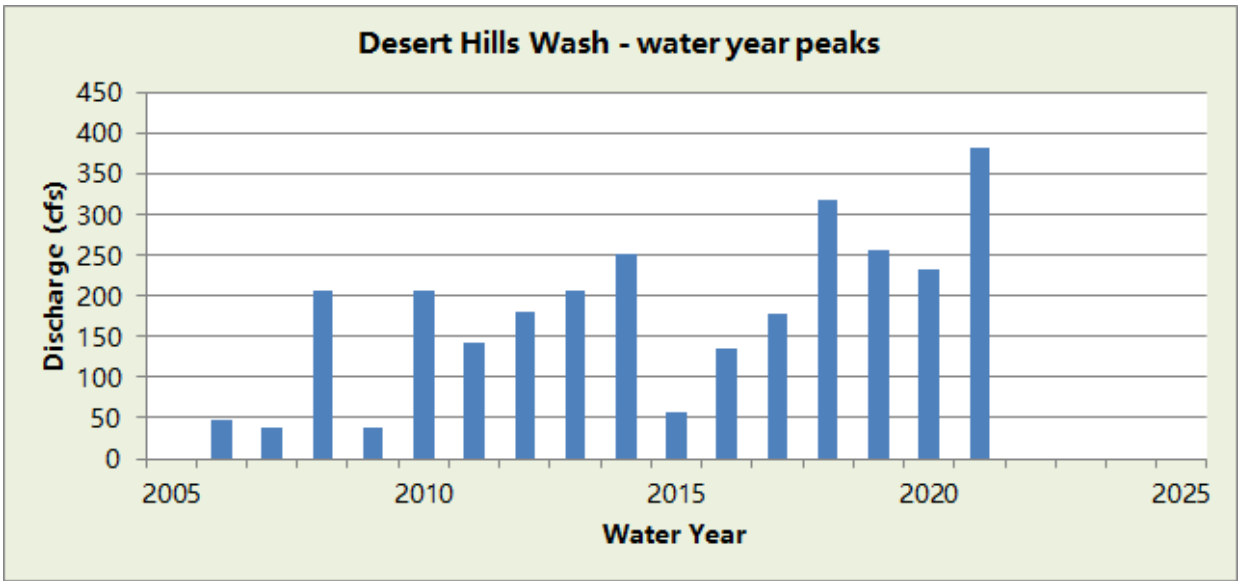


Site Data

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	15.58 Years | 5,692 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	383 cfs | 6.21 feet | 07/23/2021

Watershed Map

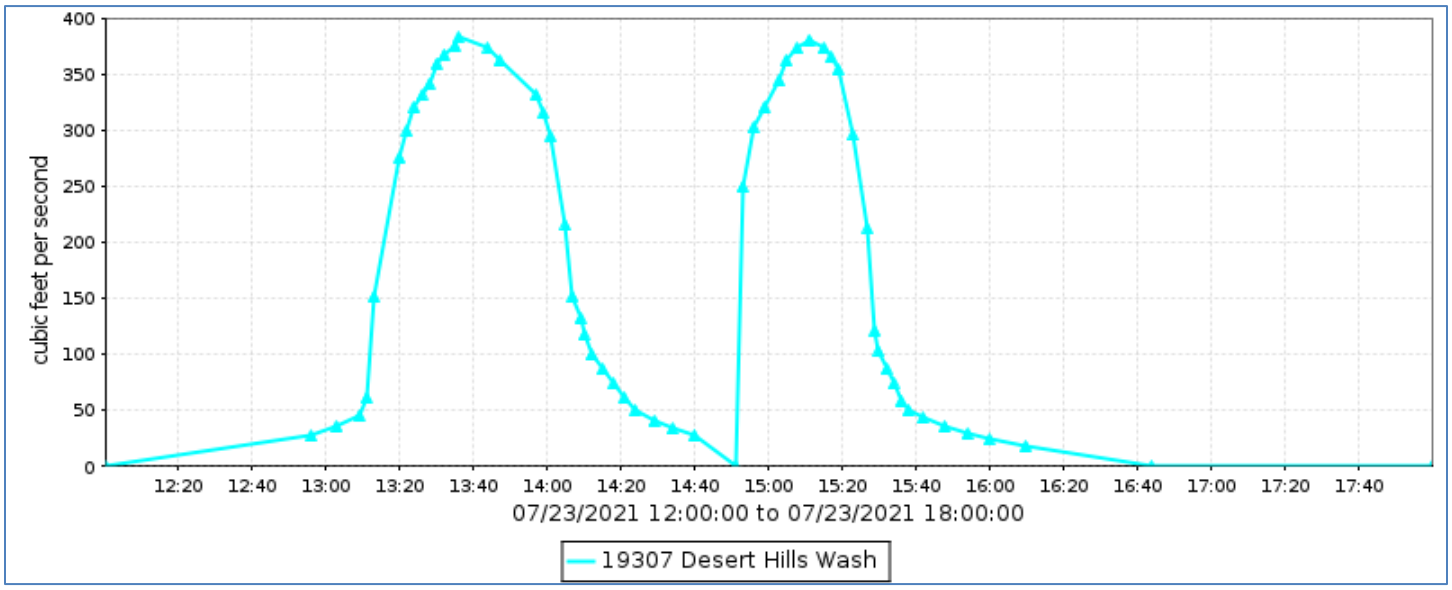




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	6.21	383
07/25/2021	2.31	103
07/31/2021	2.65	129
08/12/2021	5.77	360
08/18/20210	2.06	86

Hydrograph of peak WY 2021 flow event, 07/23/2021



Flood Flow Frequency

Flood Flow Frequency N=16, HEC-WRC computation (based on 16 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
161	**276**	**345**	**403**	**469**	**511**

Desert Hills Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											12	
13												
14												
15												
16												
17												
18											3	
19												
20												
21												
22												
23									---	26		
24												
25										4		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	4		---
TOTAL	0	0	0	0	0	0	0	0	0	34	15	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	0	0	0	0	0	0	0	383	360	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	67	30	0

WTR YR 2021 TOTAL 49 MEAN 0 MAX 383 MIN 0 AC_FT 97

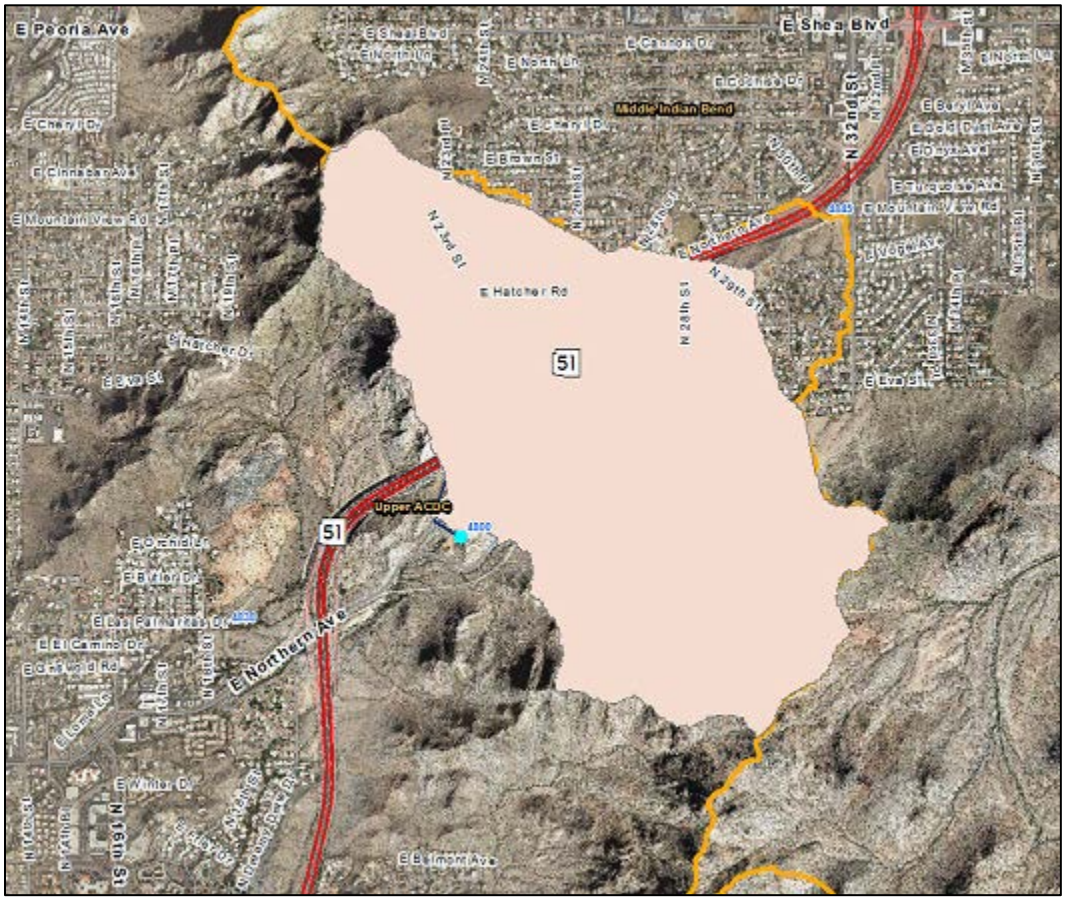
Dreamy Draw Dam, ID #9807

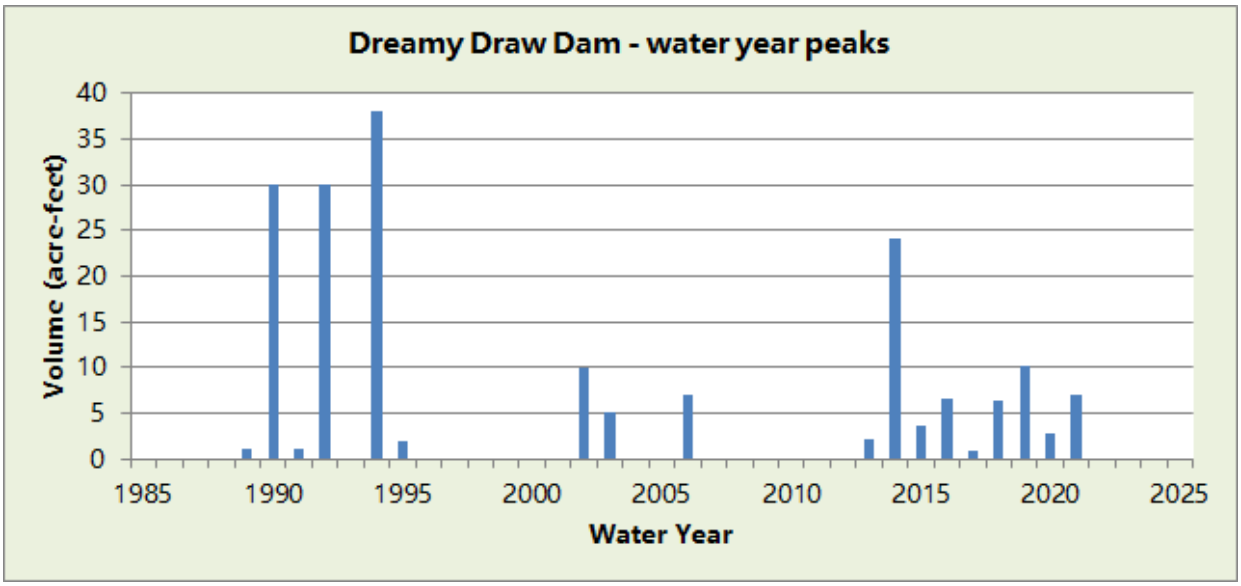


Site Data

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	33.09 Years | 12,086 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 NAVD88
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

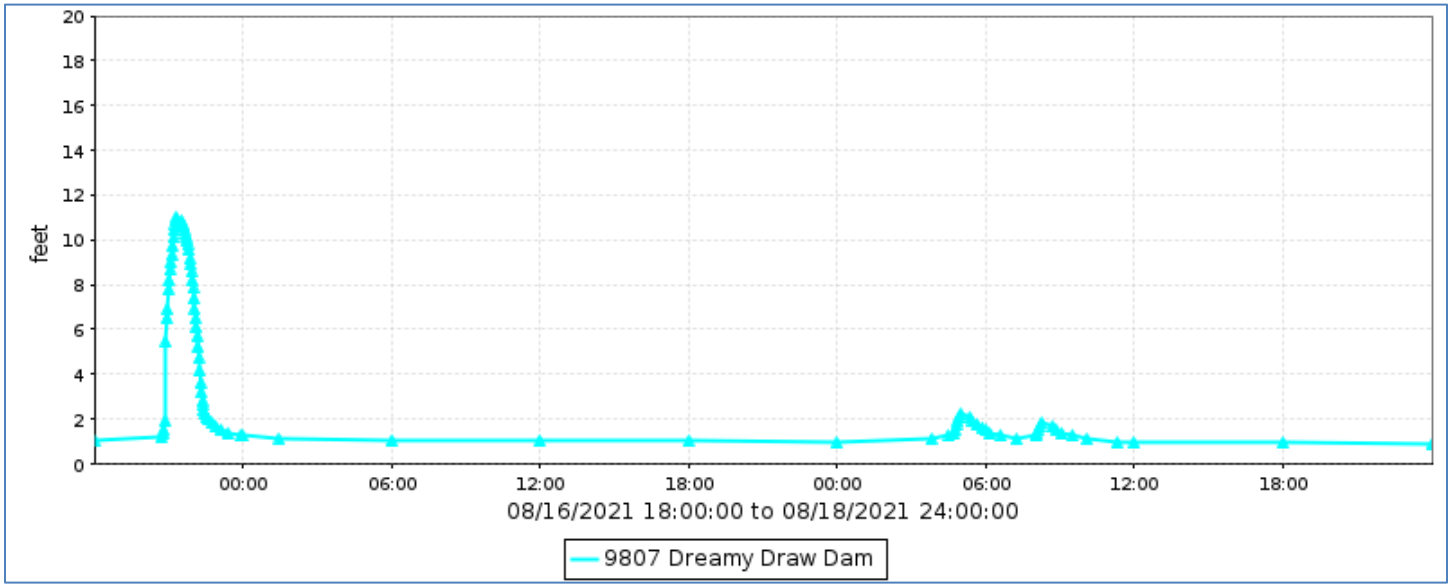




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/30/2021	4.57	0.5	0.2
08/11/2021	8.38	2.7	0.8
08/13/2021	4.57	0.5	0.2
08/16/2021	4.47	0.5	0.2
08/16/2021	11.02	7.0	2.1

Hydrograph of peak 2021 impoundment event, 08/16/2021



Dreamy Draw Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											7	
12											2	
13											8	
14											8	
15											4	
16											14	
17											8	
18											9	
19											6	
20											6	
21											6	
22											4	
23											3	
24											3	
25											3	
26											3	
27											2	
28												
29					---							
30					---					1		
31		---			---		---		---	2		---
TOTAL	0	0	0	0	0	0	0	0	0	4	95	0
MEAN	0	0	0	0	0	0	0	0	0	0	3	0
MAX	0	0	0	0	0	0	0	0	0	72	131	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	8	188	0

WTR YR 2021 TOTAL 99 MEAN 0 MAX 131 MIN 0 AC_FT 196

Dreamy Draw Dam, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 7 MIN 0

Dreamy Draw Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.7	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.9	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.9	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.9	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.2	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.3	0.1	---
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.1
MAX	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.6	11.0	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 2021 MEAN 0.15 MAX 11.02 MIN 0.12

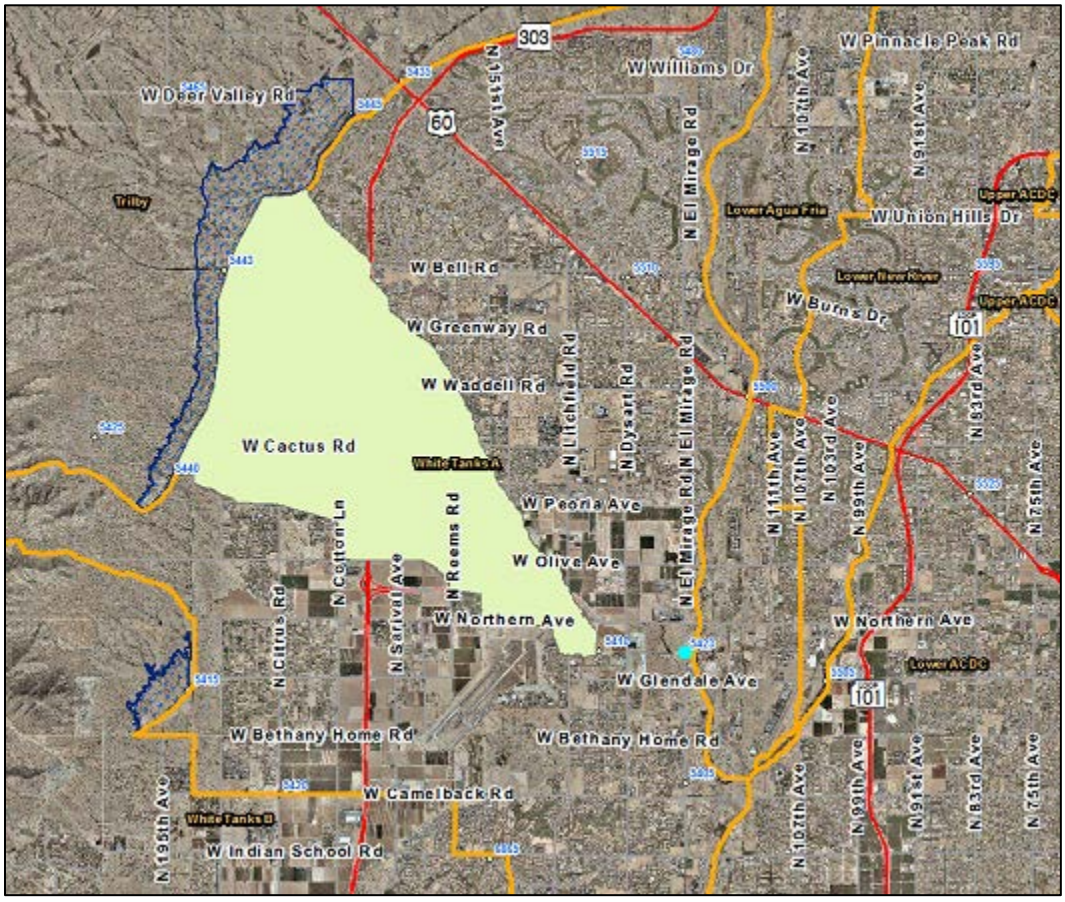
Dysart Drain at LAFB, ID #85807

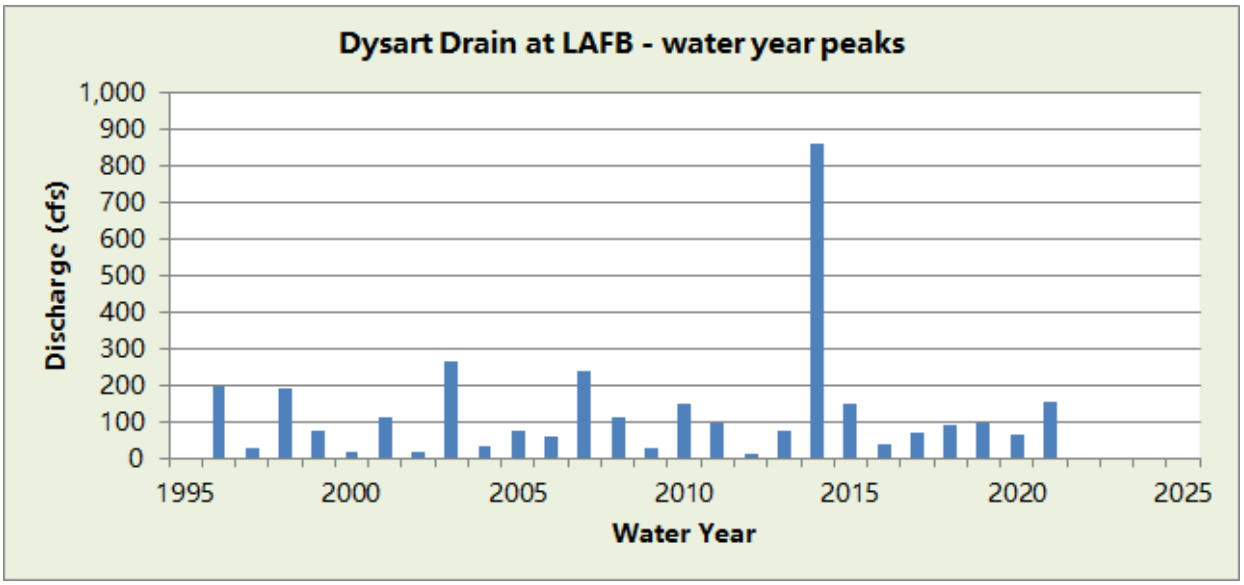


Site Data

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	25.11 Years | 9,171 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



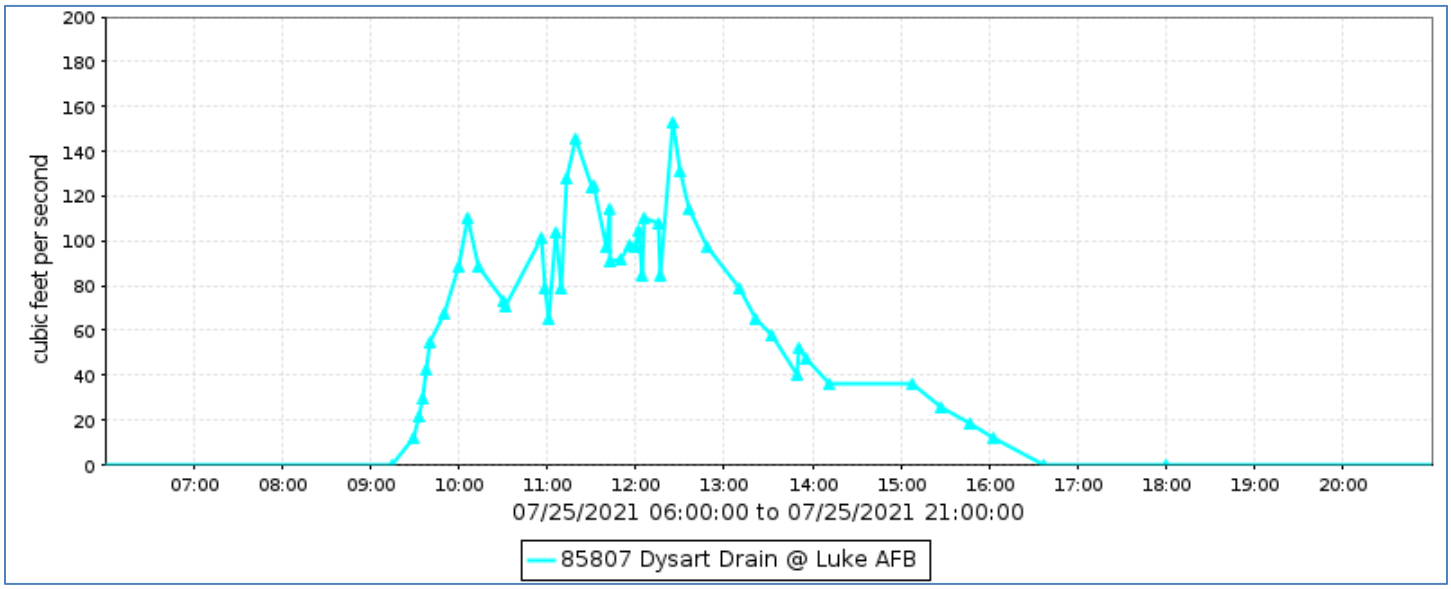


WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/14/2021	0.46	12
07/25/2021	1.81	153

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

Hydrograph of peak WY 2021 flow event, 07/25/2021



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**
78	**176**	**273**	**395**	**600**	**796**

NOTE: These results are based on very limited data.

Dysart Drain at LAFB, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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			1									
11												
12												
13												
14												
15								---				
16								---				
17												
18								---				
19												
20												
21												
22												
23												
24												
25										20		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	1	0	0	0	0	0	0	20	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	12	0	0	0	0	0	0	153	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	3	0	0	0	0	0	0	39	0	0

WTR YR 2021 TOTAL 21 MEAN 0 MAX 153 MIN 0 AC_FT 42

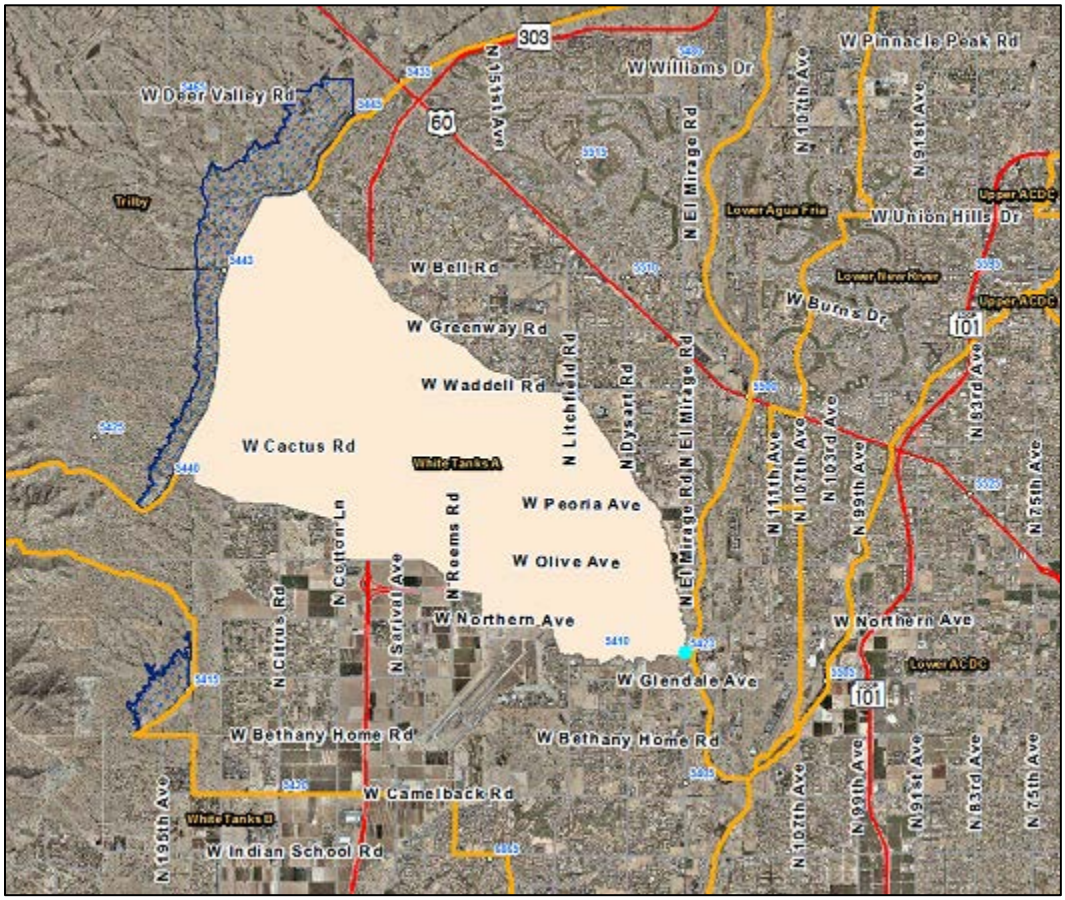
Dysart Drain at El Mirage Road, ID #85707

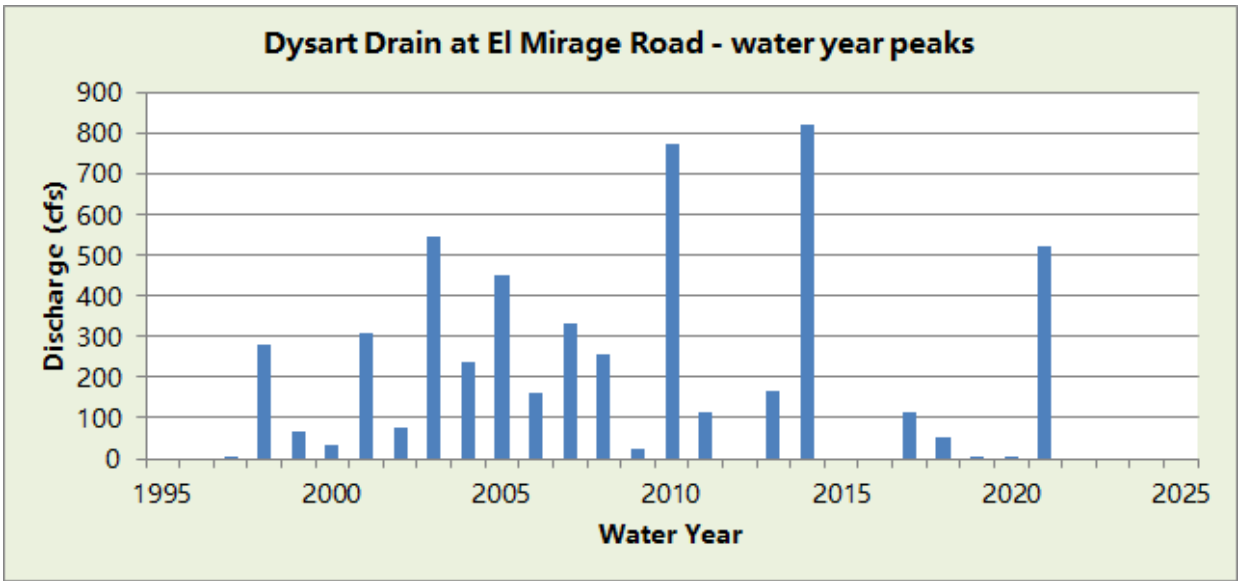


Site Data

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	24.57 Years | 8,974 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



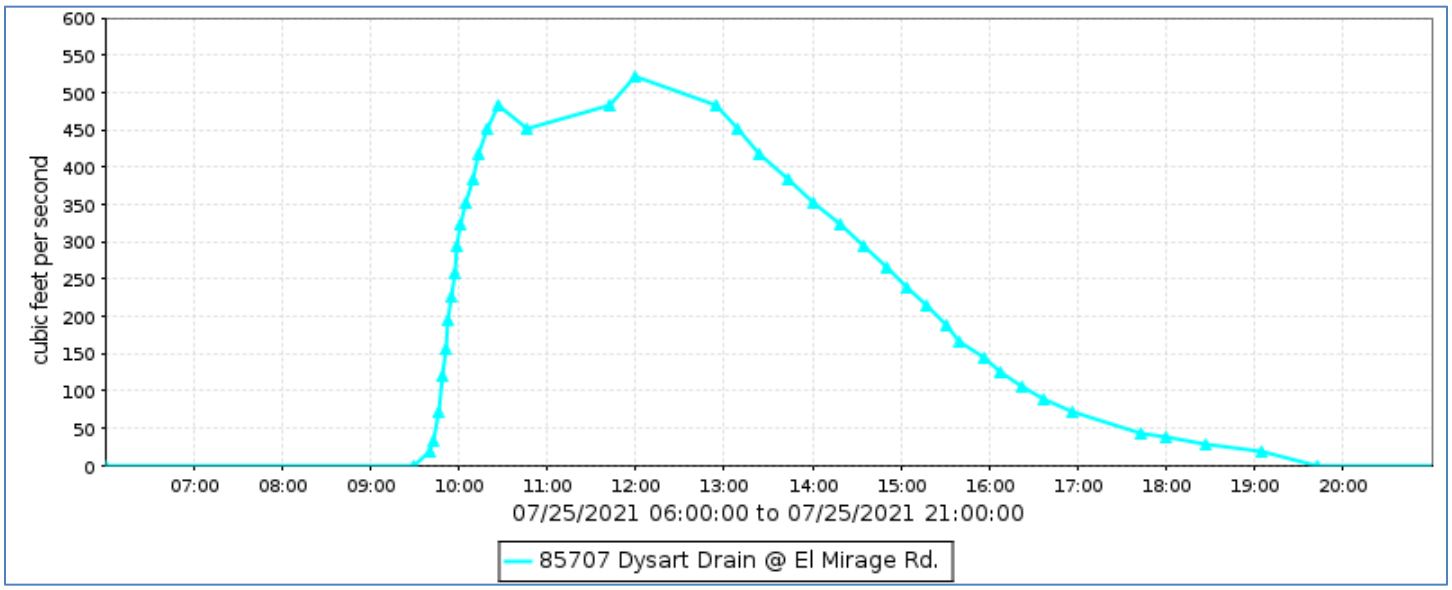


WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/14/2021	1.75	238
07/15/2021	0.89	72
07/25/2021	0.62	38
07/25/2021	2.72	521
08/14/2021	0.41	19
08/17/2021	0.57	33

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

Hydrograph of peak WY 2021 flow event, 07/25/2021



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
68	**298**	**594**	**1,010**	**1,740**	**2,450**

NOTE: These results are based on very limited data.

Dysart Drain at El Mirage Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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												
13												
14										28		
15										13		
16										1		
17											1	
18												
19												
20												
21												
22												
23												
24												
25				3						111		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	10	3	0	0	0	0	0	153	1	0
MEAN	0	0	0	0	0	0	0	0	0	5	0	0
MAX	0	0	76	28	0	0	0	0	0	521	33	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	20	6	0	0	0	0	0	304	3	0

WTR YR 2021 TOTAL 168 MEAN 0 MAX 521 MIN 0 AC_FT 333

East Fork Cave Creek Basin #1, ID #7807

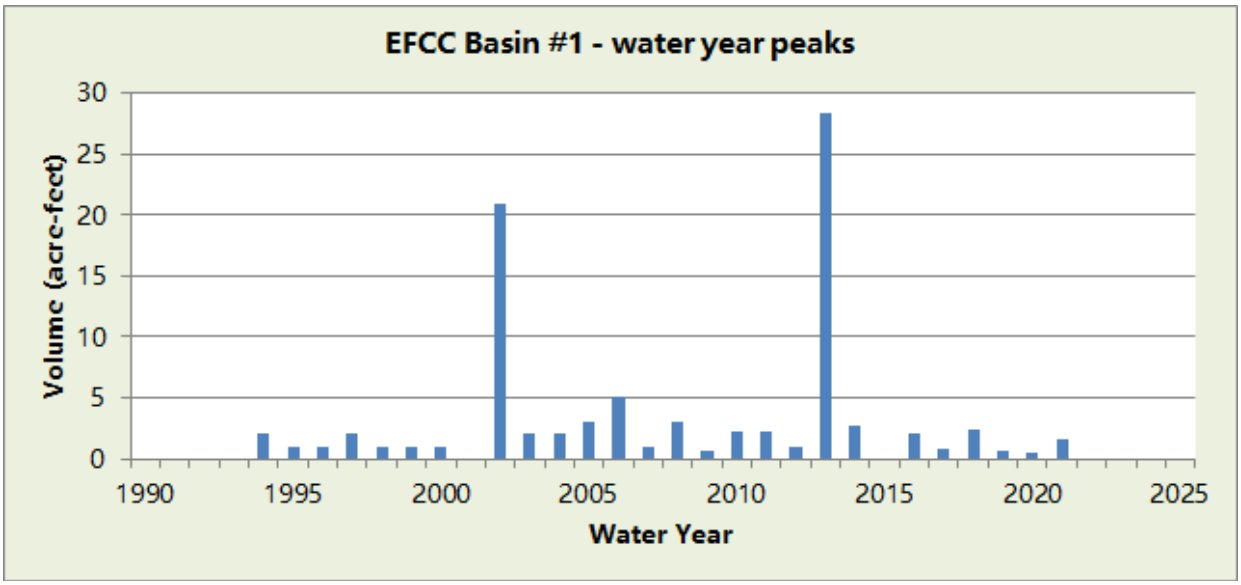


Site Data

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	27.58 Years | 10,075 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

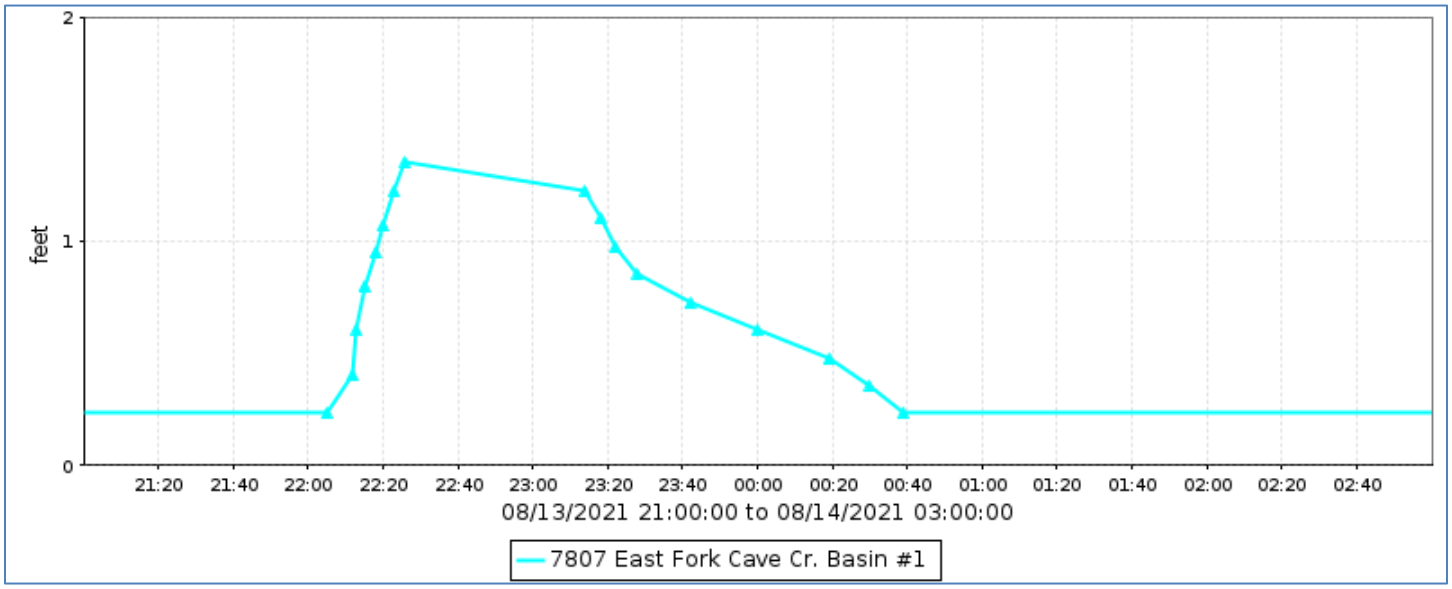




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/14/2021	0.50	0.3	0.5
07/16/2021	0.50	0.3	0.5
07/22/2021	0.47	0.2	0.4
07/23/2021	0.62	0.4	0.7
07/30/2021	0.50	0.3	0.5
08/13/2021	1.35	1.6	2.8
08/17/2021	0.35	0.1	0.2
08/18/2021	1.15	1.8	1.8
08/31/2021	0.35	0.1	0.2

Hydrograph of peak 2021 impoundment event, 08/13/2021



East Fork Cave Creek Basin #1, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											1	
11												
12												
13											1	
14											1	
15												
16										1		
17											1	
18											1	
19												
20												
21												
22										1		
23										1		
24												
25												
26												1
27												
28												
29					---							
30					---					1		
31		---			---		---		---		1	---
TOTAL	6	3	2	1	10	15	14	15	14	15	17	15
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	5	17	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	13	6	5	3	20	30	29	30	29	30	33	29

WTR YR 2021 TOTAL 128 MEAN 0 MAX 17 MIN 0 AC_FT 253

East Fork Cave Creek Basin #1, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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

WTR YR 2021 MEAN 0 MAX 2 MIN 0

East Fork Cave Creek Basin #1, stage data

Depth, in feet, Water Year October 2020 to September 2021

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
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	0.3	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	0.3	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	1.4	0.3
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2021 MEAN 0.23 MAX 1.35 MIN 0.23

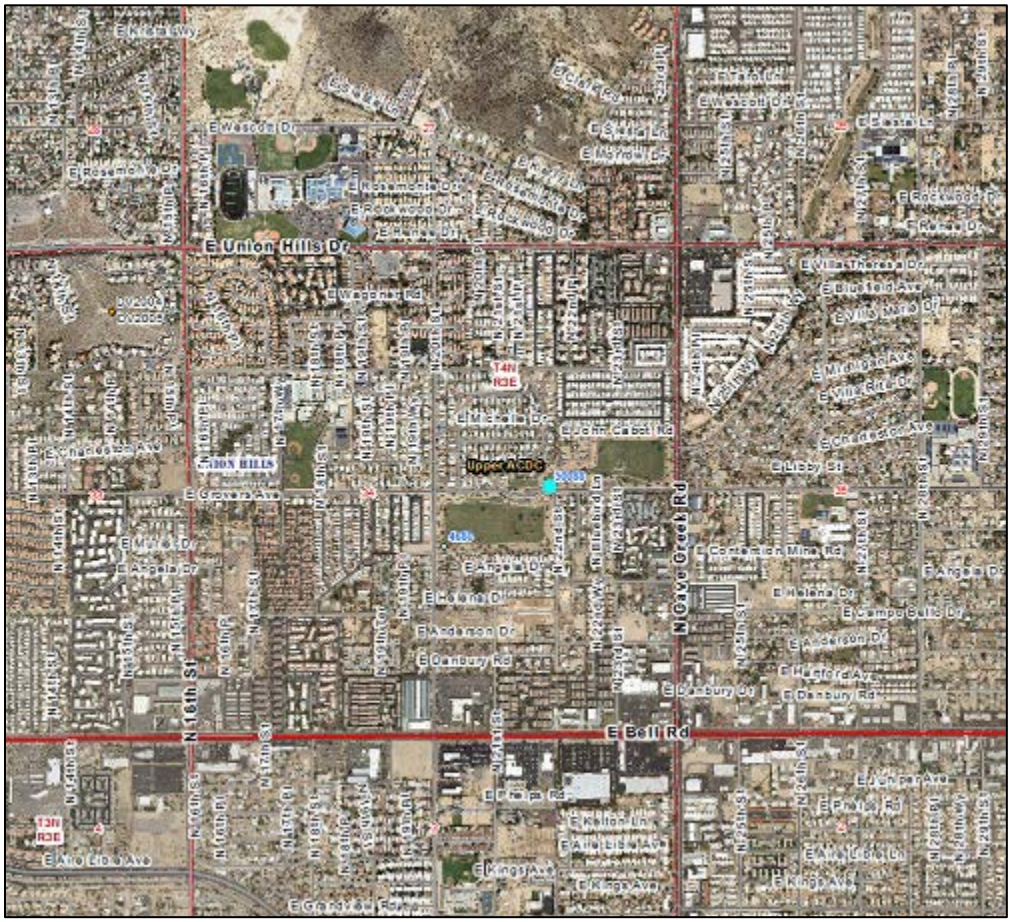
East Fork Cave Creek Basin #3A, ID #8807



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	5.97 Years | 2,179 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


E Union Hills Dr
N 16th St
E Bell Rd
N Cave Creek Rd
E Cactus Rd
E Greenway Pkwy
E Rose Mary Ln
E Wesson Dr
E Rockwood Dr
E Rosemonte Dr
E Villa Theresa Dr
E Bristol Ave
E Villa Maria Dr
E Myrtle Ave
E Villa Rita Dr
E Cheery Lynn Rd
E Grovers Ave
E Mountain View Rd
E Angela Dr
E Helena Dr
E Anderson Dr
E Danbury Rd
E Hatford Ave
E Campo Bello Dr
E Libby St
E Centennial Mine Rd
E Phelps Rd
E Kelton Ln
E Paradise Ln
E Kings Ave
E Grandview Rd
E Ashler Hills Dr
E Ashler Ave
E Pinnacle Peak Rd
E Ashler Hills Ln
E Ashler Glen Dr
E Ashler Glen Ln
E Ashler Vista Dr
E Ashler Canyon Dr
E Ashler Ridge Dr
E Ashler Crest Dr
E Ashler Hills Pl
E Ashler Glen Pl
E Ashler Vista Pl
E Ashler Canyon Pl
E Ashler Ridge Pl
E Ashler Crest Pl
E Ashler Hills Ct
E Ashler Glen Ct
E Ashler Vista Ct
E Ashler Canyon Ct
E Ashler Ridge Ct
E Ashler Crest Ct
E Ashler Hills Cir
E Ashler Glen Cir
E Ashler Vista Cir
E Ashler Canyon Cir
E Ashler Ridge Cir
E Ashler Crest Cir
E Ashler Hills Way
E Ashler Glen Way
E Ashler Vista Way
E Ashler Canyon Way
E Ashler Ridge Way
E Ashler Crest Way
E Ashler Hills Trl
E Ashler Glen Trl
E Ashler Vista Trl
E Ashler Canyon Trl
E Ashler Ridge Trl
E Ashler Crest Trl
E Ashler Hills Pkwy
E Ashler Glen Pkwy
E Ashler Vista Pkwy
E Ashler Canyon Pkwy
E Ashler Ridge Pkwy
E Ashler Crest Pkwy
E Ashler Hills Blvd
E Ashler Glen Blvd
E Ashler Vista Blvd
E Ashler Canyon Blvd
E Ashler Ridge Blvd
E Ashler Crest Blvd
E Ashler Hills Loop
E Ashler Glen Loop
E Ashler Vista Loop
E Ashler Canyon Loop
E Ashler Ridge Loop
E Ashler Crest Loop
E Ashler Hills Path
E Ashler Glen Path
E Ashler Vista Path
E Ashler Canyon Path
E Ashler Ridge Path
E Ashler Crest Path
E Ashler Hills Run
E Ashler Glen Run
E Ashler Vista Run
E Ashler Canyon Run
E Ashler Ridge Run
E Ashler Crest Run
E Ashler Hills Walk
E Ashler Glen Walk
E Ashler Vista Walk
E Ashler Canyon Walk
E Ashler Ridge Walk
E Ashler Crest Walk

WY2021 Events

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

Hydrograph of peak 2021 impoundment event,

No impoundments recorded during Water Year 2021.

EFCC Basin #3A, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

EFCC Basin #3A, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
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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 2021 MEAN 0 MAX 0 MIN 0

EFCC Basin #3A, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
13	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
14	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
19	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
20	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
21	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
22	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
23	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
24	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
25	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
26	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
27	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
28	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
29	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31	0.8	---	0.8	0.8	---	0.8	---	0.8	---	0.8	0.8	---
MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
MAX	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 2021 MEAN 0.80 MAX 0.80 MIN 0.80

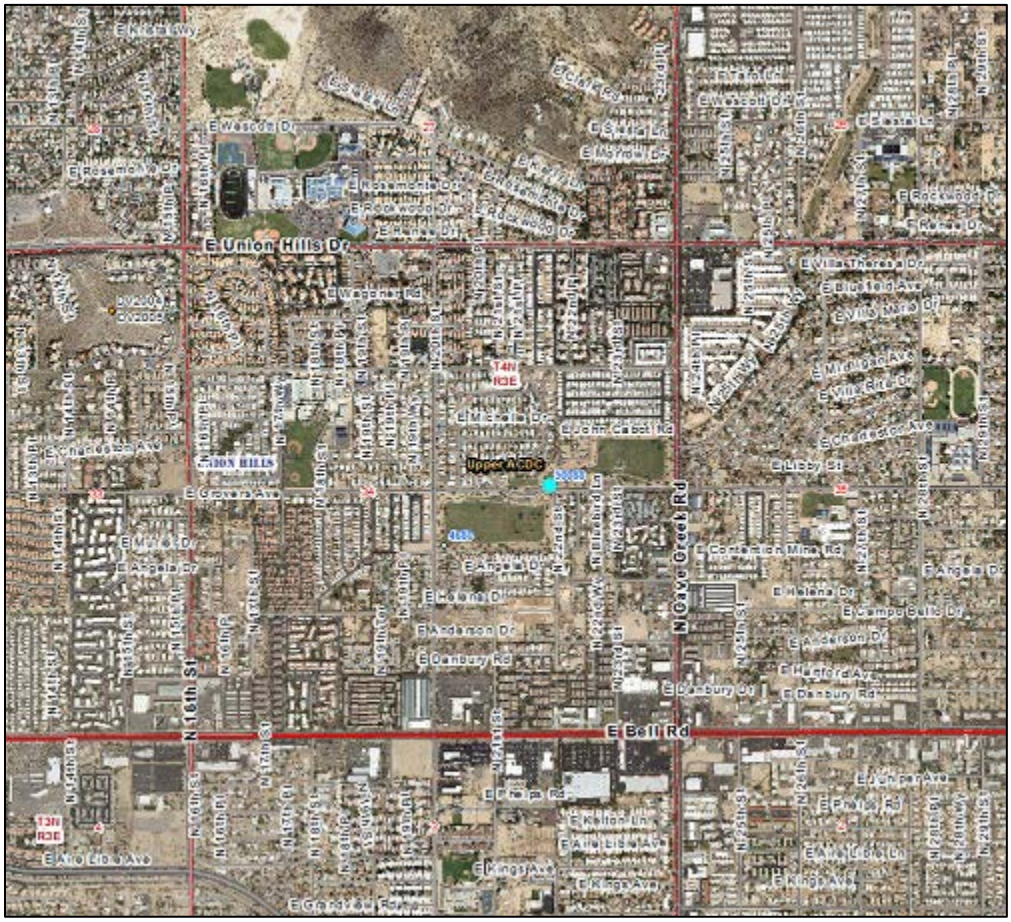
East Fork Cave Creek Basin #3B, ID #8707

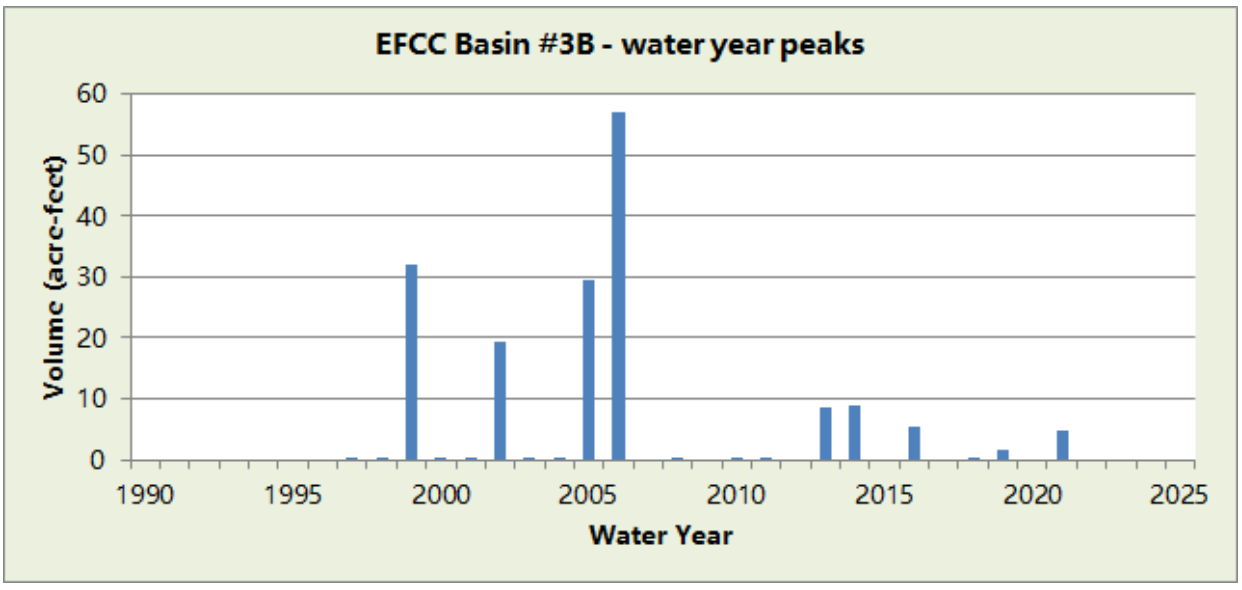


Site Data

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	27.05 Years | 9,880 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

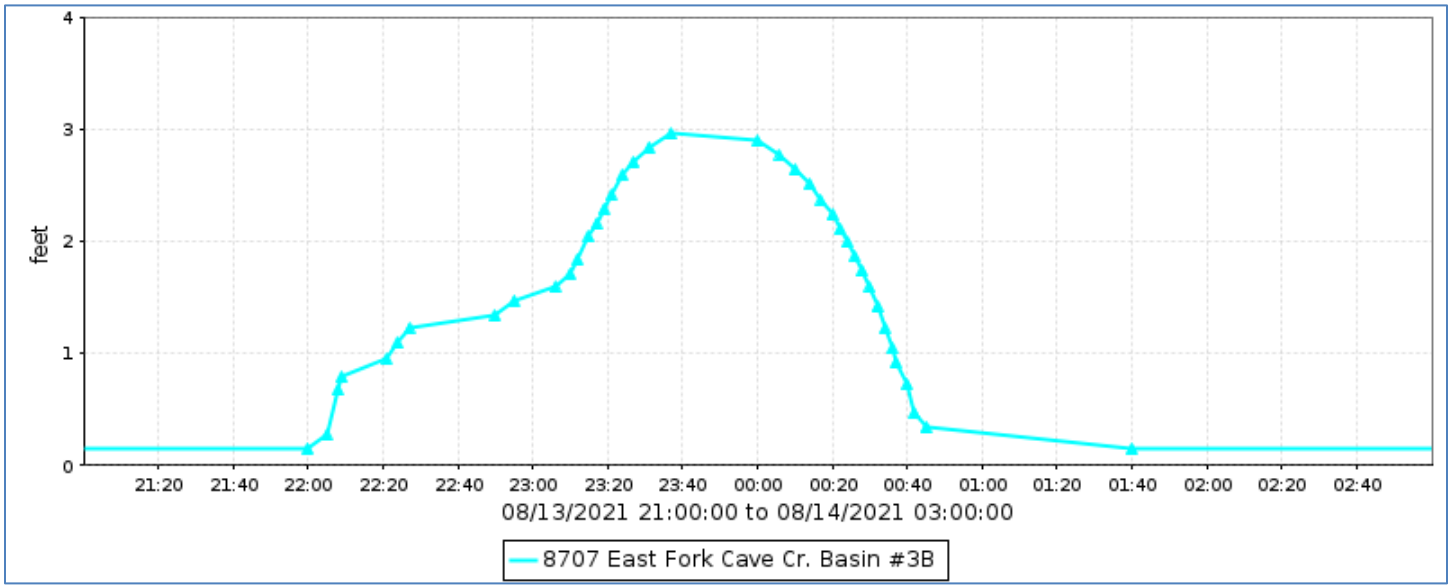




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/13/2021	2.96	4.6	3.8
08/18/2021	0.69	0.1	0.0

Hydrograph of peak 2021 impoundment event, 08/13/2021



East Fork Cave Creek Basin #3B, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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12												
13											10	
14											4	
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28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	14	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	249	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	28	0

WTR YR 2021 TOTAL 14 MEAN 0 MAX 249 MIN 0 AC_FT 28

East Fork Cave Creek Basin #3B, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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

WTR YR 2021 MEAN 0 MAX 5 MIN 0

East Fork Cave Creek Basin #3B, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.3	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	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	0.2	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
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	0.2	0.1
MAX	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.0	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 2021 MEAN 0.15 MAX 2.96 MIN 0.15

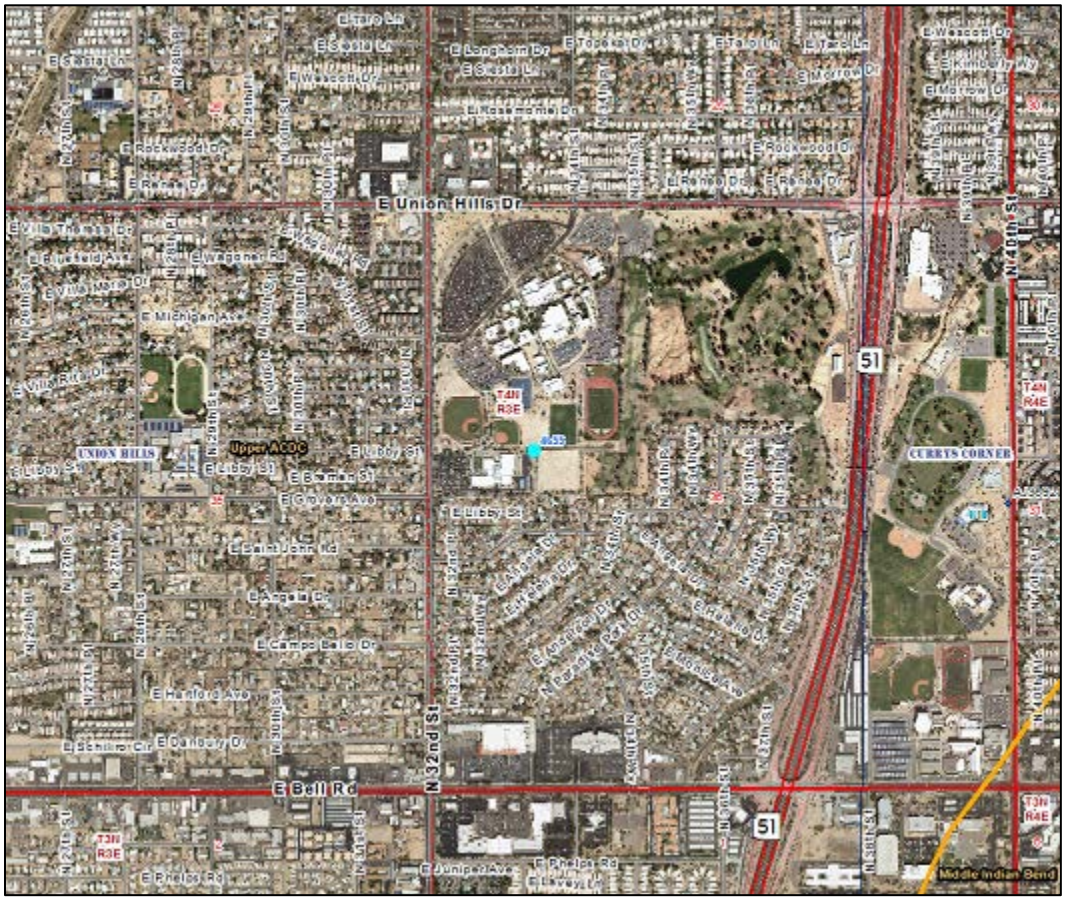
East Fork Cave Creek Basin #4 – ID #8207

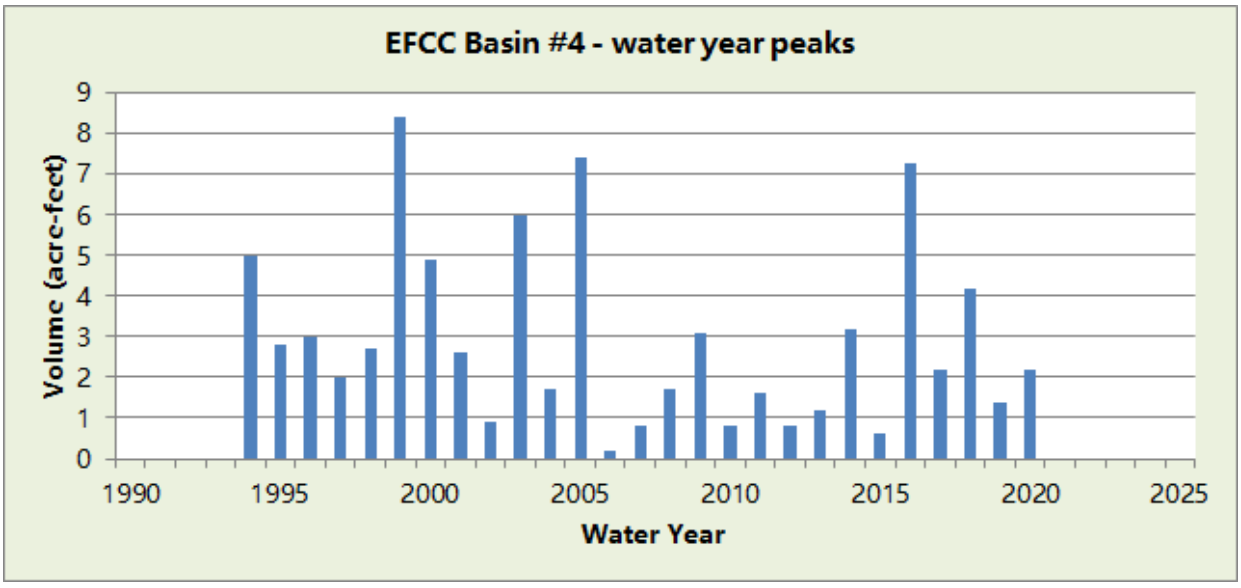


Site Data

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	27.70 Years | 10,118 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*)

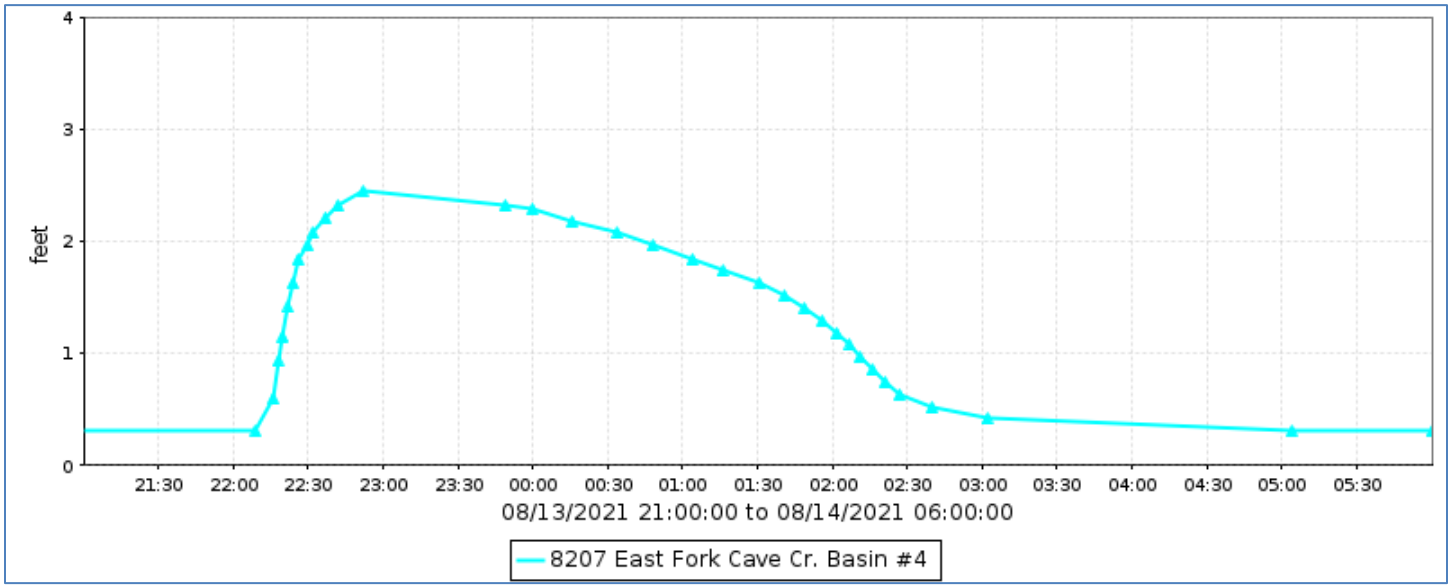




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2020	1.37	0.6	0.8
01/23/2021	0.59	0.2	0.2
01/24/2021	0.92	0.3	0.5
01/24/2021	1.37	0.6	0.8
01/25/2021	1.25	0.5	0.8
07/01/2021	1.25	0.5	0.8
07/03/2021	0.44	0.1	0.1
07/14/2021	1.37	0.6	0.8
07/16/2021	0.77	0.2	0.4
07/23/2021	1.70	0.7	1.2
07/25/2021	1.84	0.8	1.4
07/31/2021	0.41	0.1	0.1
08/13/2021	2.44	2.2	3.0
08/14/2021	0.52	0.1	0.2
08/18/2021	1.11	0.4	0.6

Hydrograph of peak 2021 impoundment event, 08/13/2021



East Fork Cave Creek Basin #4, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											2	
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	1	4	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	2	2	0	0	0	0	0	16	38	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	1	8	0

WTR YR 2021 TOTAL 5 MEAN 0 MAX 38 MIN 0 AC_FT 10

East Fork Cave Creek Basin #4, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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	1	1	0	0	0	0	0	1	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 2 MIN 0

East Fork Cave Creek Basin #4, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.4	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	0.4	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	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	0.4	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	0.4	0.3	0.3
24	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	0.3	0.3	1.4	1.4	0.3	0.3	0.3	0.3	0.3	1.8	2.4	0.8
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 2021 MEAN 0.30 MAX 2.44 MIN 0.30

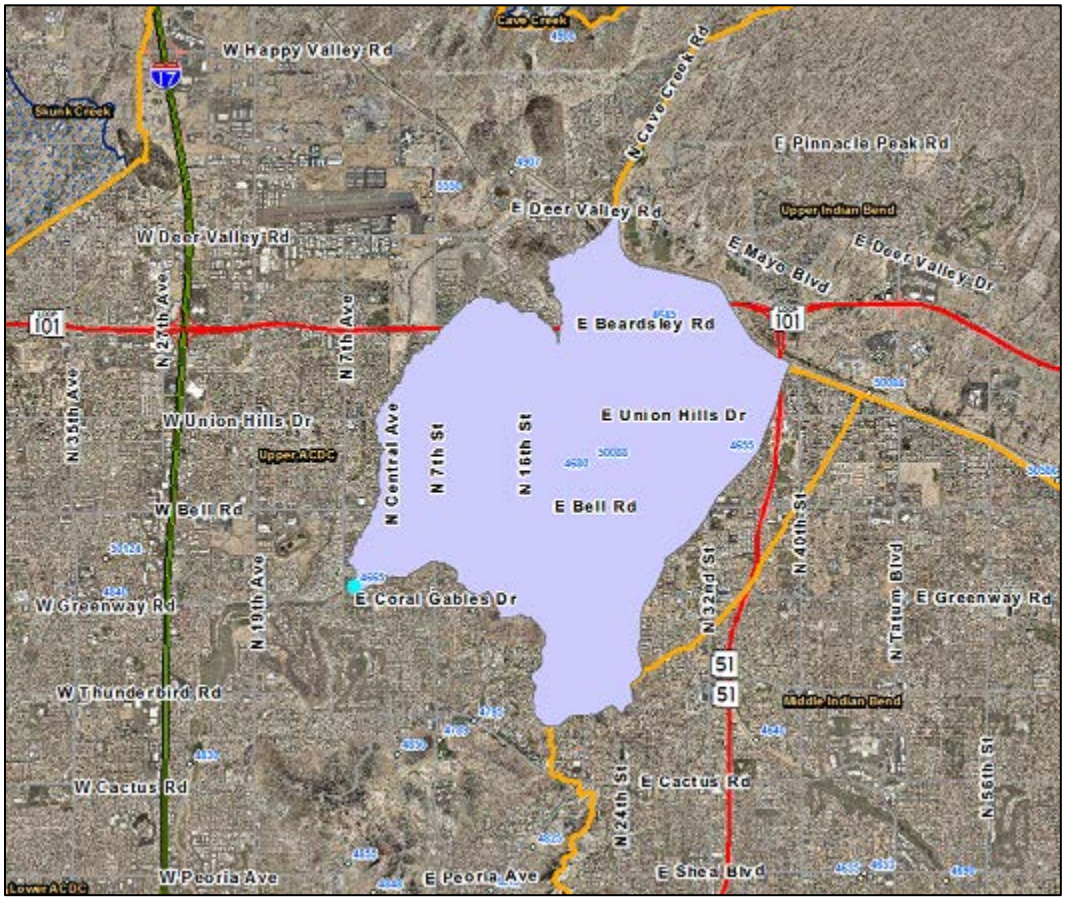
East Fork Cave Creek near 7th Avenue, ID #8507

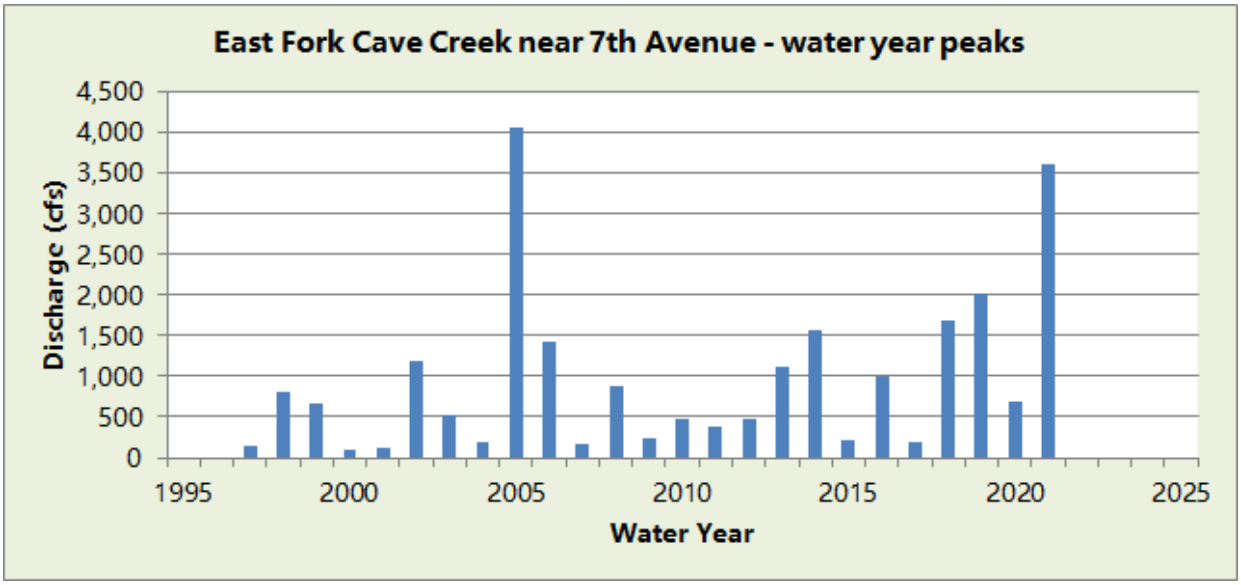


Site Data

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	24.40 Years | 8,912 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

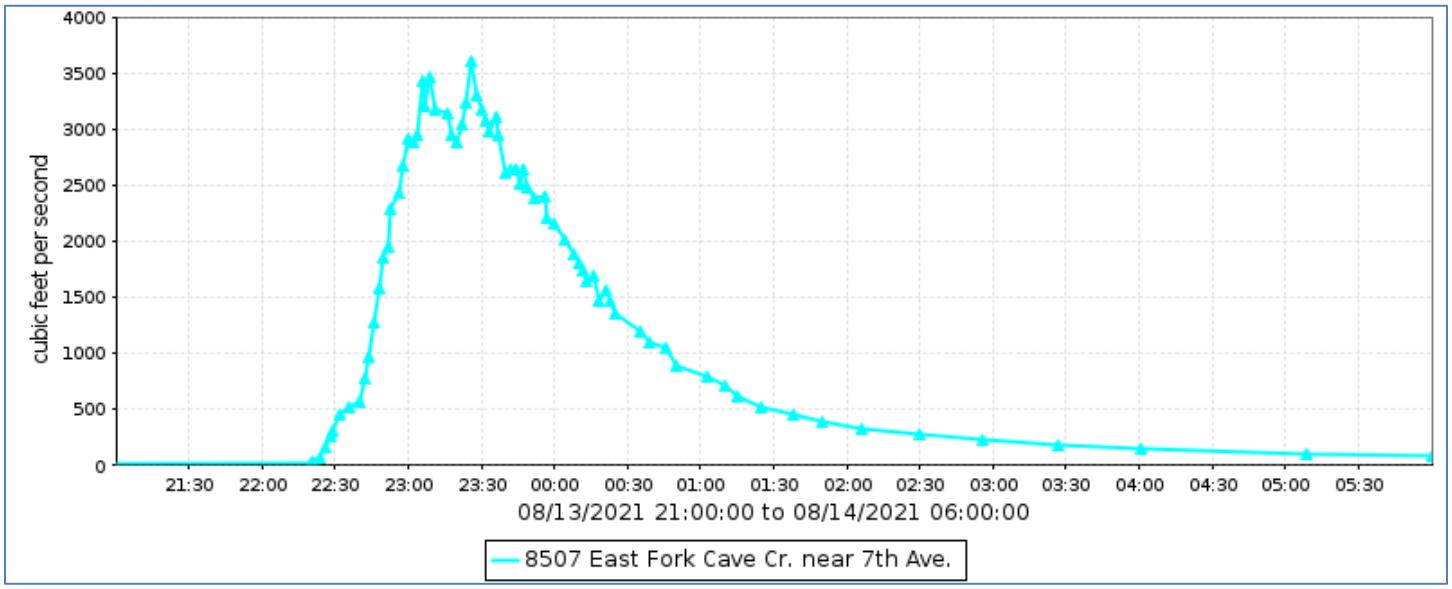




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
12/10/2020	0.92	71
01/25/2021	1.46	200
01/29/2021	0.33	20
07/02/2021	0.63	39
07/04/2021	0.24	15
07/14/2021	1.27	151
07/17/2021	0.44	27
07/22/2021	0.97	81
07/23/2021	1.37	177
07/25/2021	1.17	126
08/13/2021	7.08	3,610
08/17/2021	0.68	42
08/18/2021	3.66	1,500
09/26/2021	0.34	21

Hydrograph of peak WY 2021 flow event, 08/13/2021



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**
581	**1,420**	**2,240**	**3,280**	**5,000**	**6,620**
FEMA FIS					
		5,500		**8,200**	**9,400**

East Fork Cave Creek near 7th Avenue, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2										15		
3										1		
4										11		
5												
6												
7												
8												
9												
10			12									
11												
12					---							
13					---						148	
14					---					21	135	
15					---					2	1	
16												
17										12	13	
18											119	
19											13	
20												
21												
22										3		
23										52		
24				16						14		
25				35						25		
26				15						1		5
27												8
28												
29				3	---							
30				8	---							
31		---			---		---		---			---
TOTAL	0	0	12	77	0	0	0	0	0	159	429	13
MEAN	0	0	0	2	0	0	0	0	0	5	14	0
MAX	0	0	71	200	0	0	0	0	0	177	3610	21
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	24	153	0	0	0	0	0	315	850	26

WTR YR 2021 TOTAL 690 MEAN 2 MAX 3610 MIN 0 AC_FT 1369

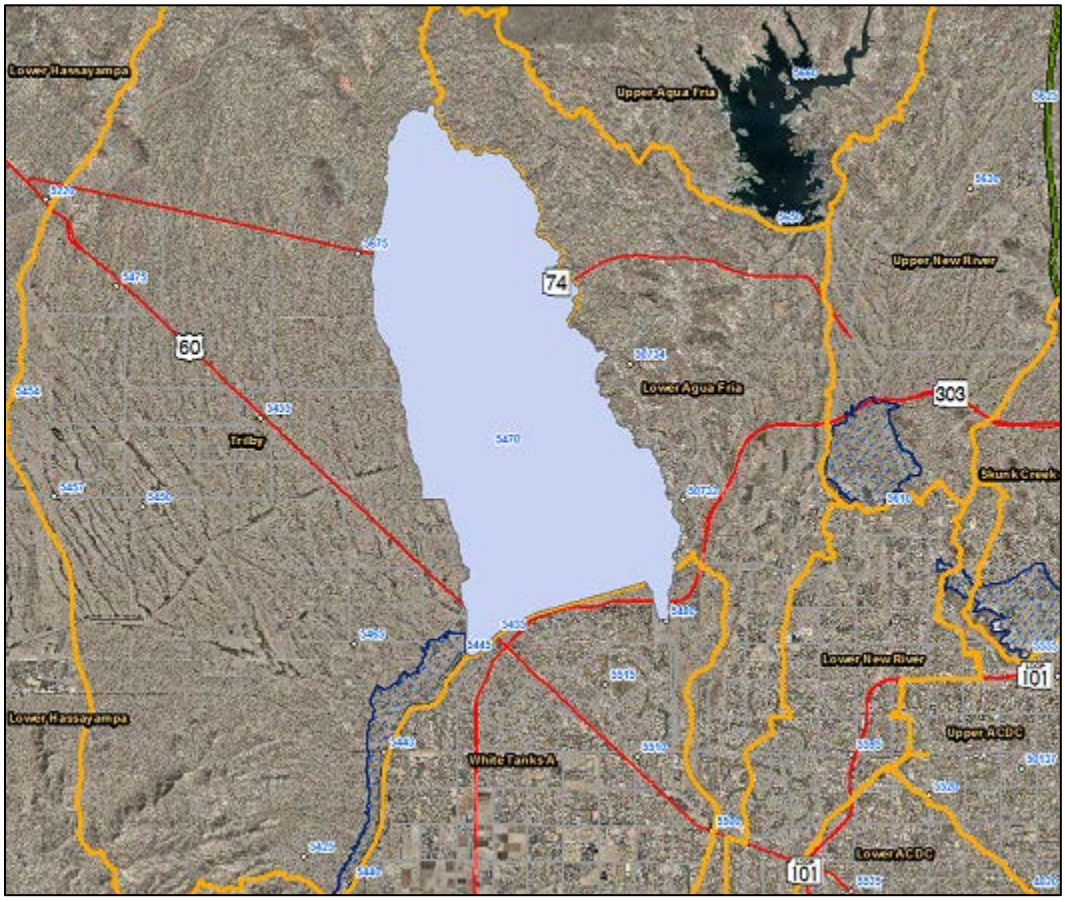
El Mirage Road Drain, ID #14507

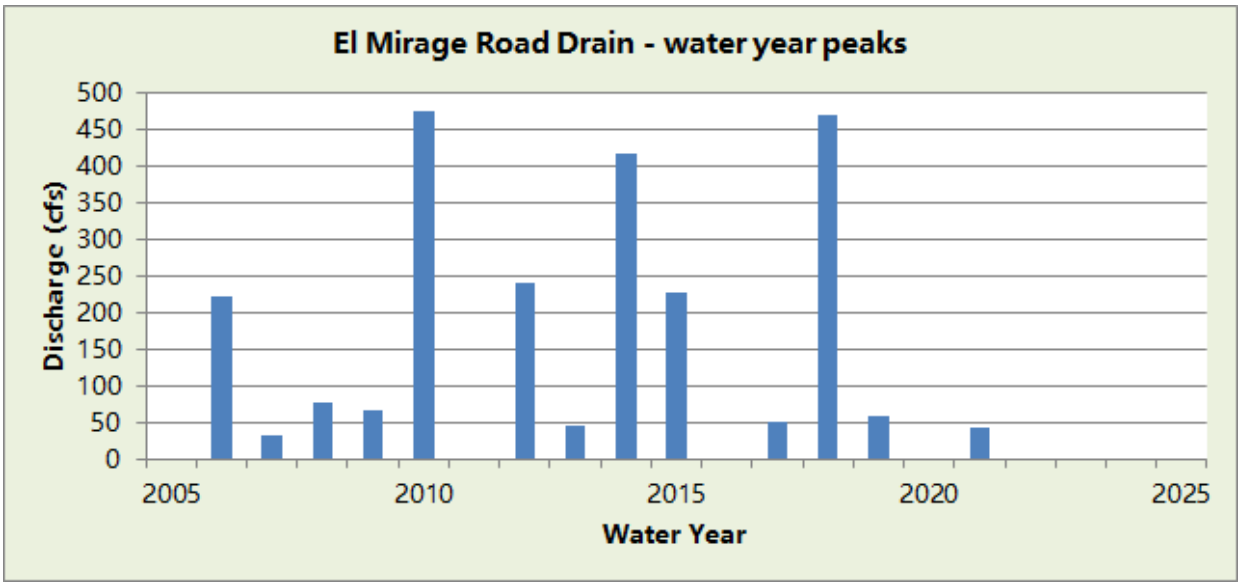


Site Data

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	15.62 Years | 5,706 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	1.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,262.96 feet NAVD88
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

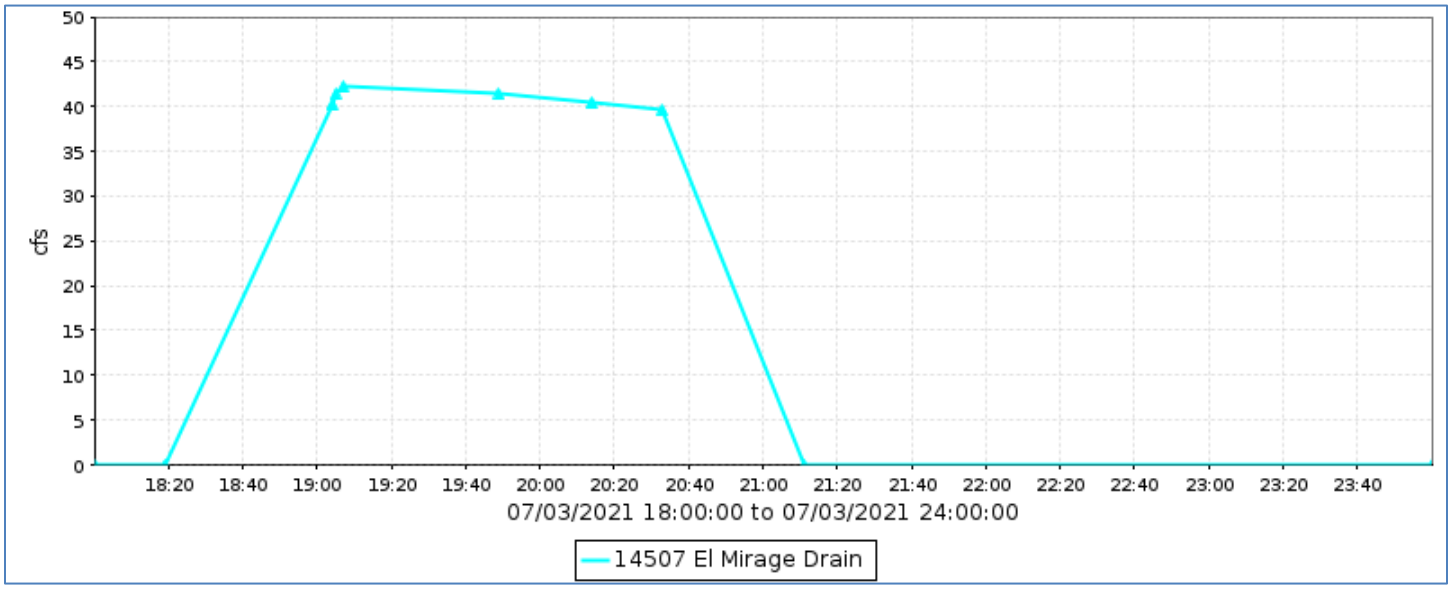




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/03/2021	1.67	42
07/25/2021	1.62	42

Hydrograph of peak WY 2021 flow event, 07/03/2021



Flood Flow Frequency

Flood Flow Frequency N=16, HEC-WRC computation (based on 16 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
71	**284**	**507**	**762**	**1,120**	**1,400**

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 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 12 MEAN 0 MAX 42 MIN 0 AC_FT 23

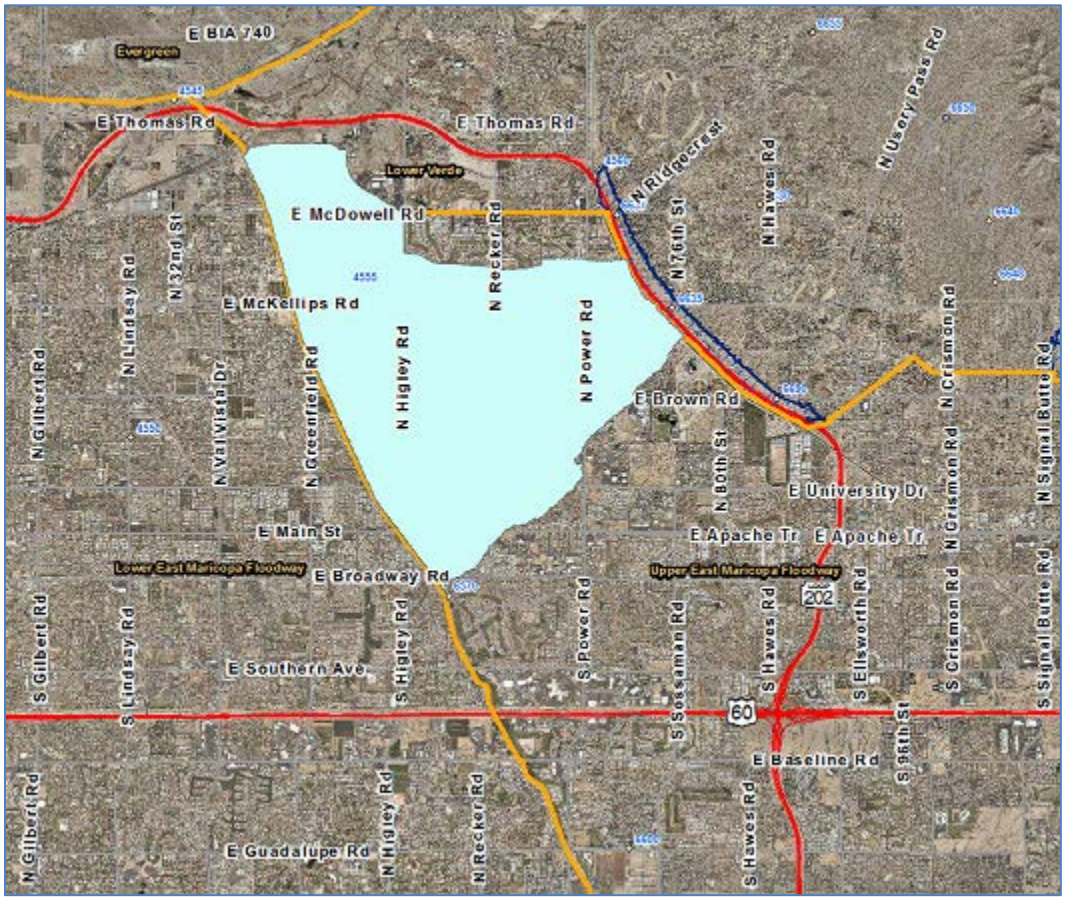
East Maricopa Floodway at Broadway Road, ID #34307

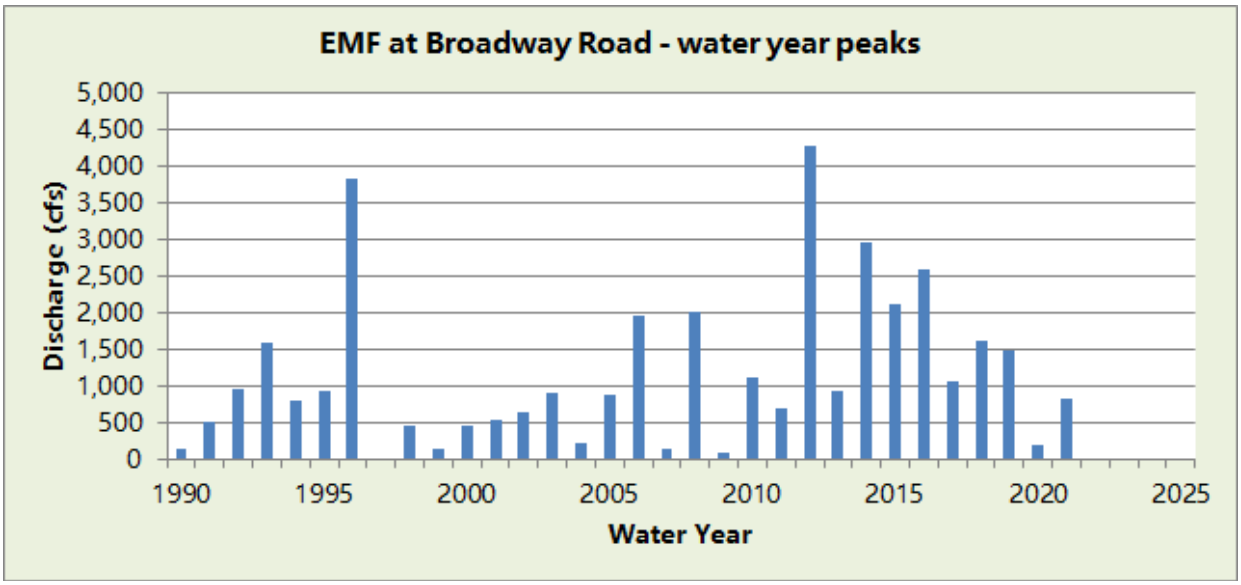


Site Data

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	31.08 Years | 11,351 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

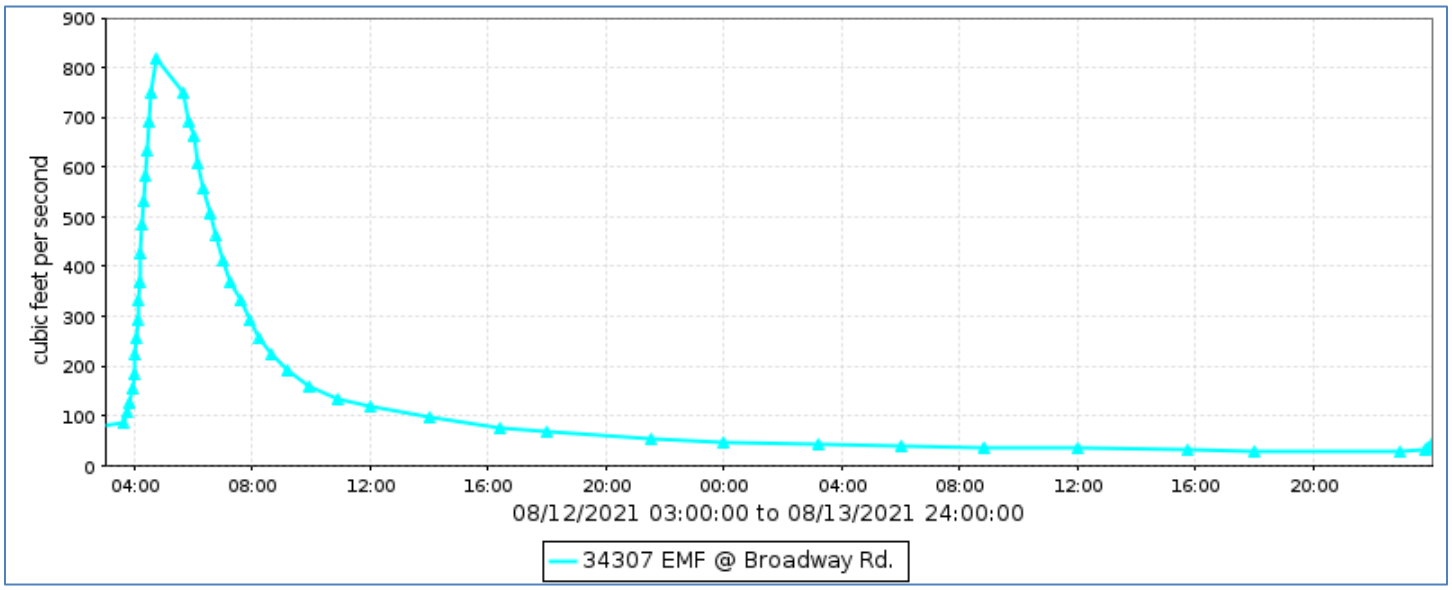




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/25/2021	0.12	28
07/23/2021	1.55	222
07/24/2021	1.14	113
08/11/2021	2.62	675
08/12/2021	2.86	818
08/14/2021	2.33	531
08/16/2021	1.16	117
09/01/2021	0.80	54

Hydrograph of peak WY 2021 flow event, 08/12/2021



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**
771	**1,750**	**2,570**	**3,470**	**4,760**	**5,800**

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

EMF at Broadway Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												32
2												30
3												10
4												2
5												
6												
7												
8												
9												
10												
11											129	
12											180	
13											37	
14											157	
15											36	
16											57	
17											36	
18											13	
19											4	
20											1	
21												
22										2		
23										77		
24										43		
25				6						30		
26				17						19		
27				2						4		
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	25	0	0	0	0	0	175	650	74
MEAN	0	0	0	1	0	0	0	0	0	6	21	2
MAX	0	0	0	28	0	0	0	0	0	222	818	54
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	50	0	0	0	0	0	348	1289	147

WTR YR 2021 TOTAL 924 MEAN 3 MAX 818 MIN 0 AC_FT 1834

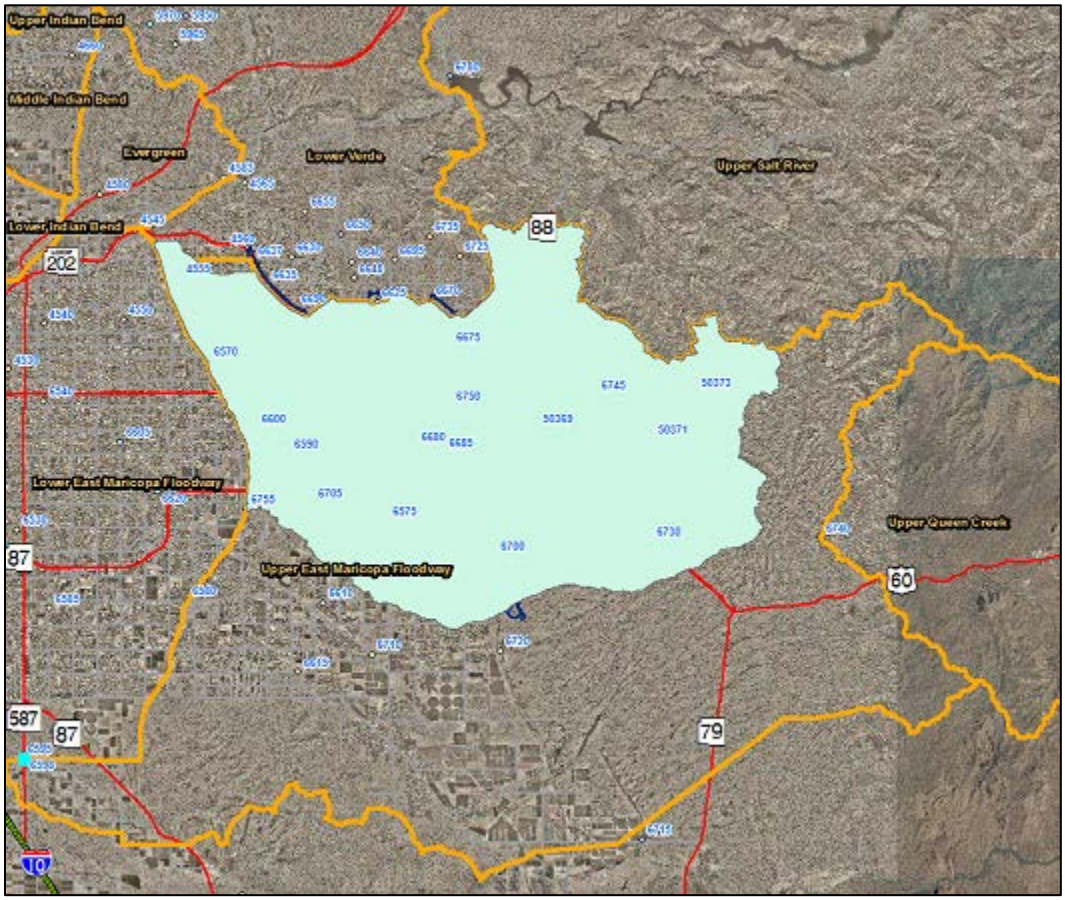
East Maricopa Fldwy below Powerline Floodway, ID #33707

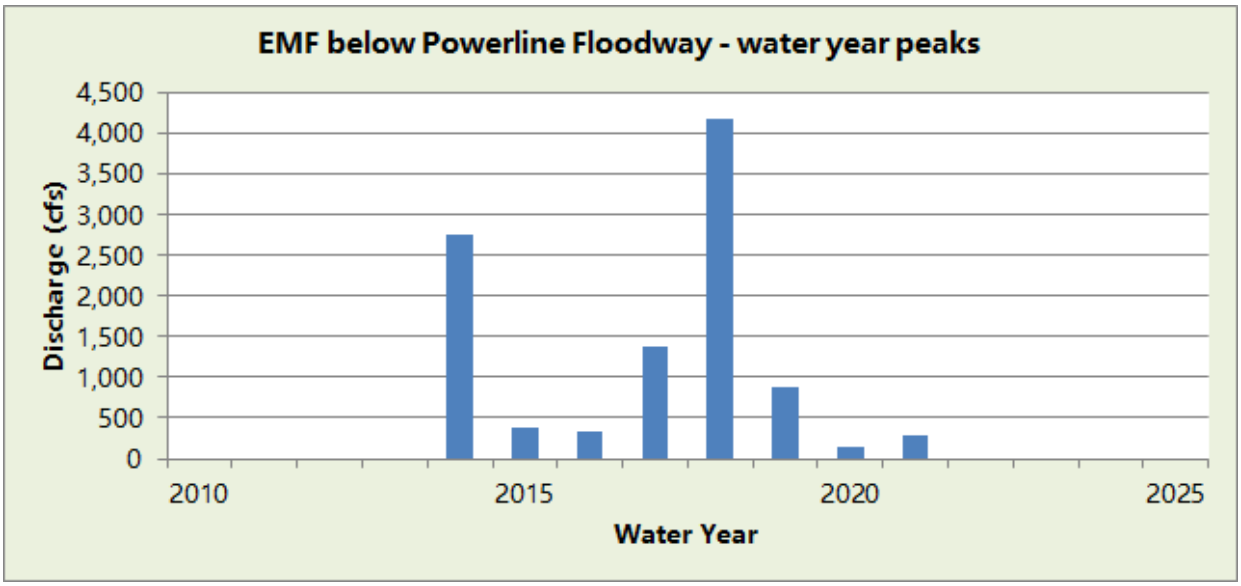


Site Data

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	7.46 Years | 2,726 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

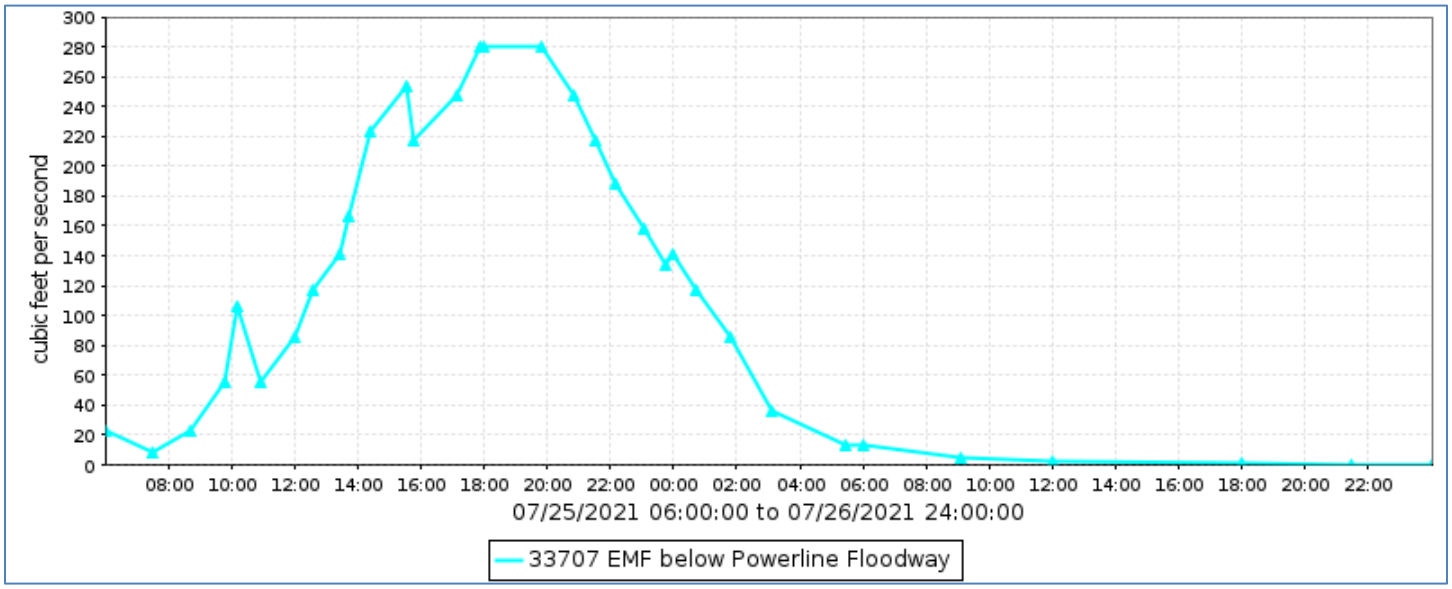




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/24/2021	1.22	166
07/25/2021	1.60	280
08/12/2021	1.37	209
08/14/2021	1.52	254
08/17/2021	1.17	153

Hydrograph of peak WY 2021 flow event, 07/25/2021



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 2020 to September 2021

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											55	
13												
14											101	
15											3	
16												
17											89	
18											5	
19										---		
20												
21												
22												
23										2		
24										46		
25										127		
26										21		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	197	254	0
MEAN	0	0	0	0	0	0	0	0	0	6	8	0
MAX	0	0	0	0	0	0	0	0	0	280	254	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	390	503	0

WTR YR 2021 TOTAL 451 MEAN 1 MAX 280 MIN 0 AC_FT 894

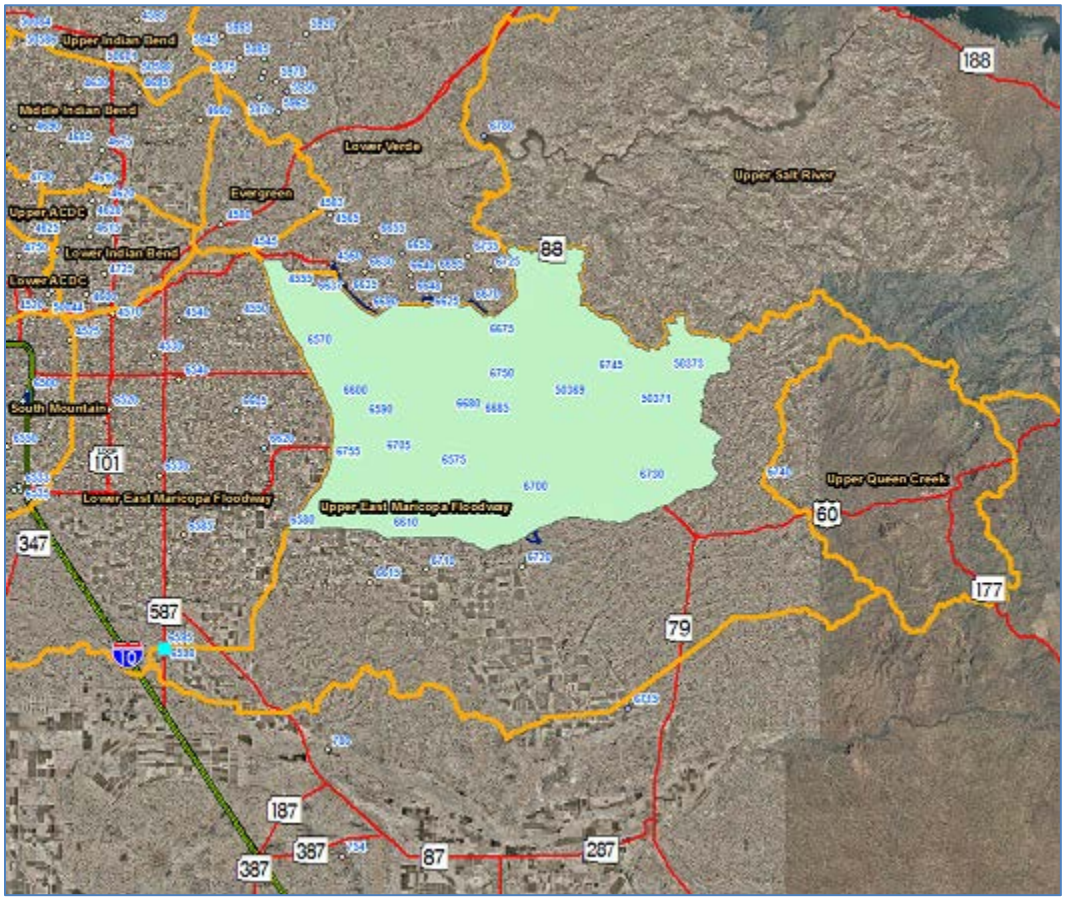
East Maricopa Floodway at Queen Creek Road, ID #34807

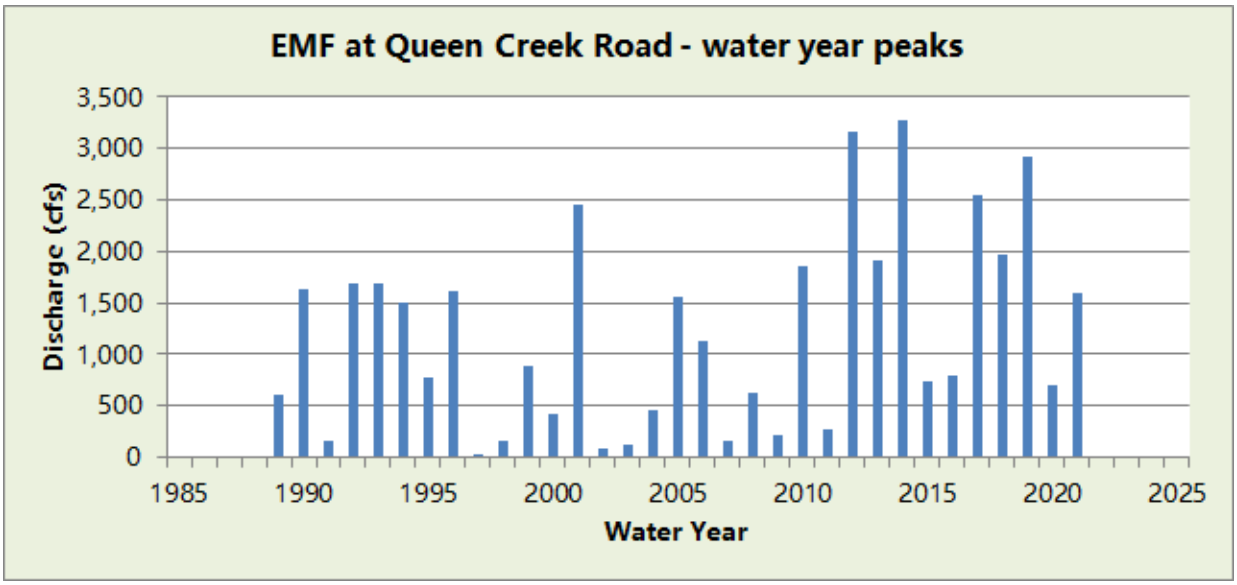


Site Data

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	32.70 Years | 11,944 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

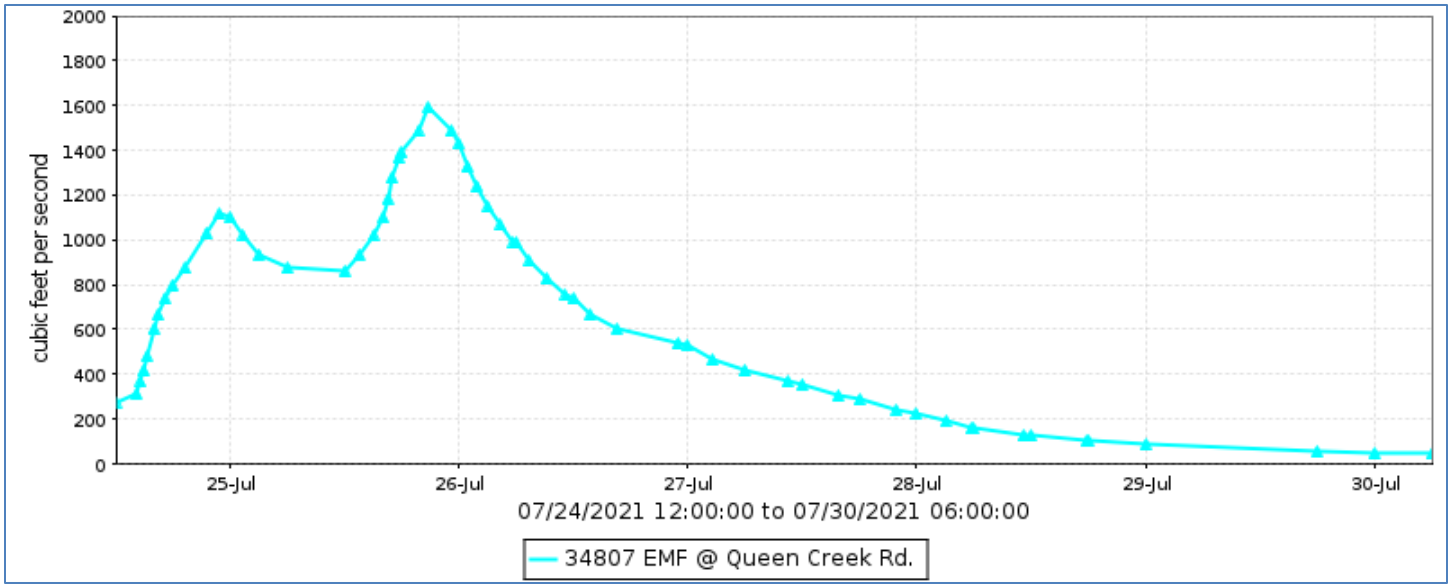




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/11/2021	0.00	40
07/23/2021	1.95	657
07/25/2021	3.32	1,592
07/31/2021	1.07	259
08/10/2021	0.60	128
08/11/2021	1.37	378
08/12/2021	3.07	1,392
08/14/2021	3.32	1,592
08/17/2021	2.84	1,221
09/02/2021	0.95	219

Hydrograph of peak WY 2021 flow event, 07/25/2021



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**
891	**2,060**	**2,940**	**3,770**	**4,800**	**5,510**

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

EMF at Queen Creek Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											29	74
2											107	145
3											195	81
4											201	7
5											138	
6												
7												
8												
9												
10											59	
11										18	212	
12											723	
13											428	
14										3	931	
15										5	745	
16											229	
17											725	
18											953	
19											270	
20											121	
21											48	
22											25	
23										356	13	
24						2				525	8	
25										1100		
26										840		
27										378		
28										148		
29					---					78		
30					---					46		
31		---			---		---		---	113		---
TOTAL	0	0	0	0	0	2	0	0	0	3611	6160	280
MEAN	0	0	0	0	0	0	0	0	0	116	199	9
MAX	0	0	0	0	0	8	0	0	0	1592	1592	219
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	4	0	0	0	7162	12219	556

WTR YR 2021 TOTAL 10053 MEAN 28 MAX 1592 MIN 0 AC_FT 19941

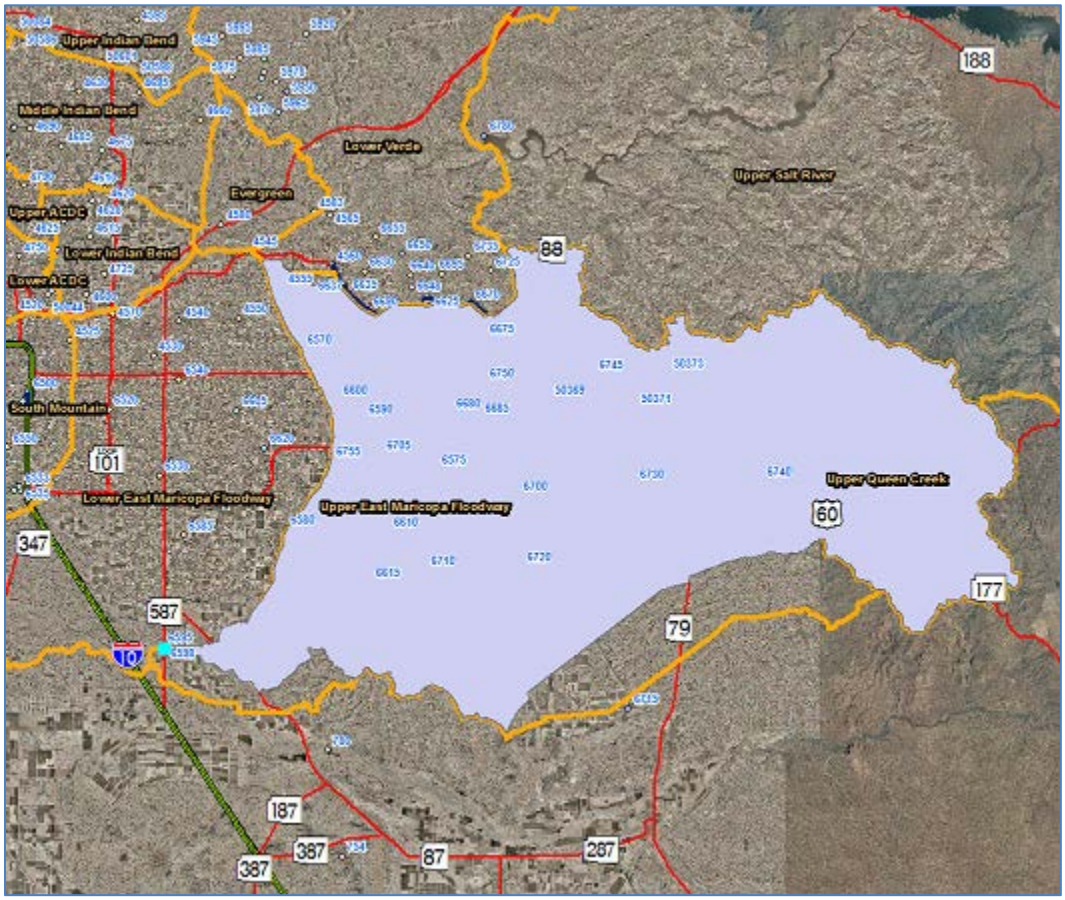
East Maricopa Floodway at Arizona Avenue, ID #35507

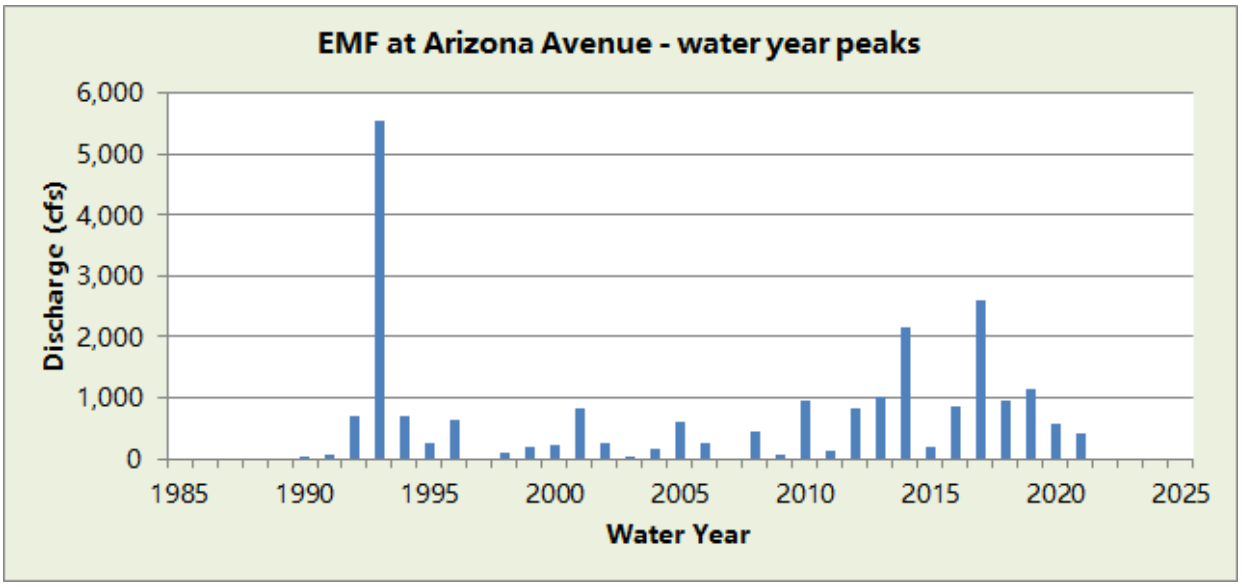


Site Data

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	32.64 Years | 11,921 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

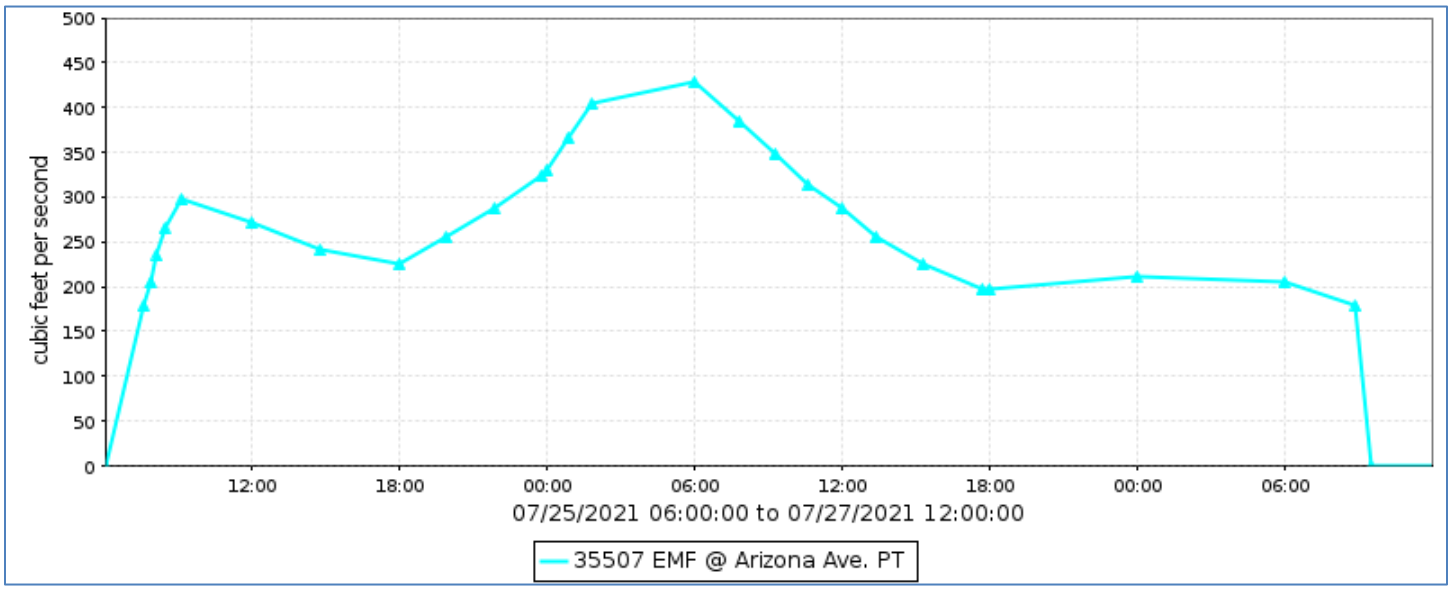




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/24/2021	0.81	235
07/26/2021	1.37	428
08/11/2021	0.71	206
08/13/2021	0.68	198
08/14/2021	0.68	198
08/15/2021	1.06	314
08/17/2021	1.01	297
08/18/2021	0.96	281

Hydrograph of peak WY 2021 flow event, 07/26/2021



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**
349	**1,020**	**1,720**	**2,590**	**3,990**	**5,260**

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

EMF at Arizona Avenue, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											19	
12												
13											34	
14											58	
15											196	
16											72	
17											124	
18											238	
19											109	
20												
21												
22												
23												
24										60		
25										179		
26										302		
27										83		
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	623	851	0
MEAN	0	0	0	0	0	0	0	0	0	20	27	0
MAX	0	0	0	0	0	0	0	0	0	428	314	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	1236	1689	0

WTR YR 2021 TOTAL 1474 MEAN 4 MAX 428 MIN 0 AC_FT 2924

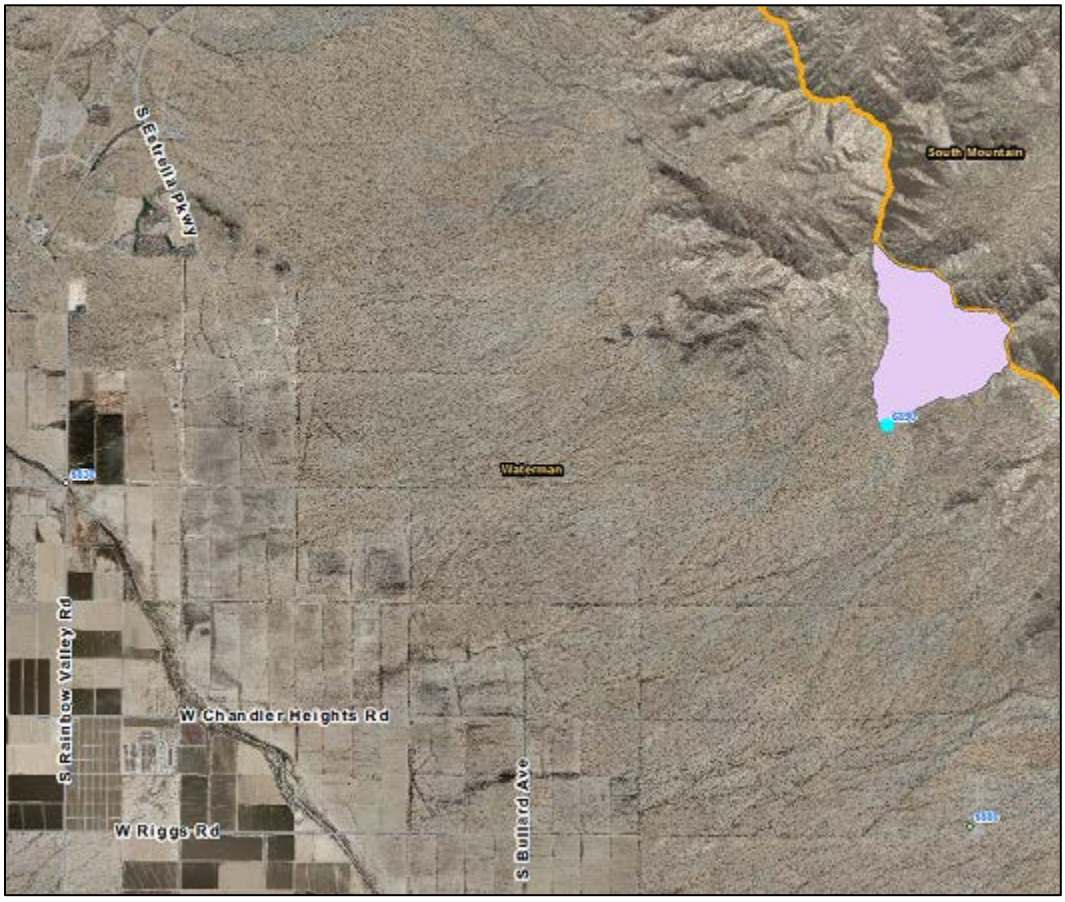
Estrella Fan, ID #84207

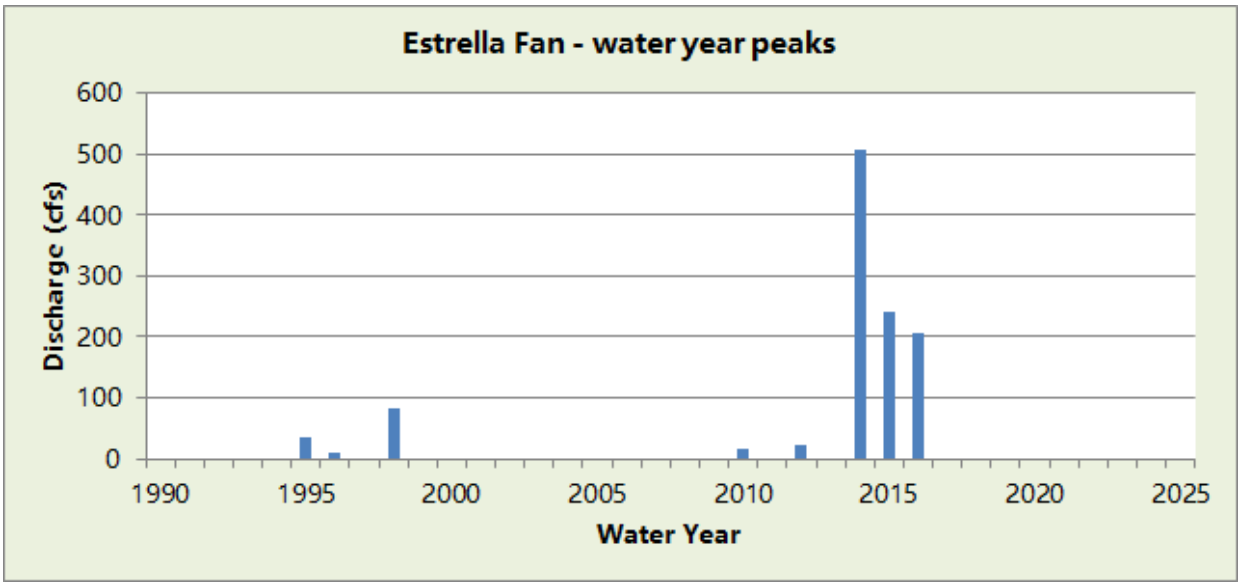


Site Data

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	28.42 Years | 10,381 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff events occurred in Water Year 2021.

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 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Flying E Wash, ID #51707

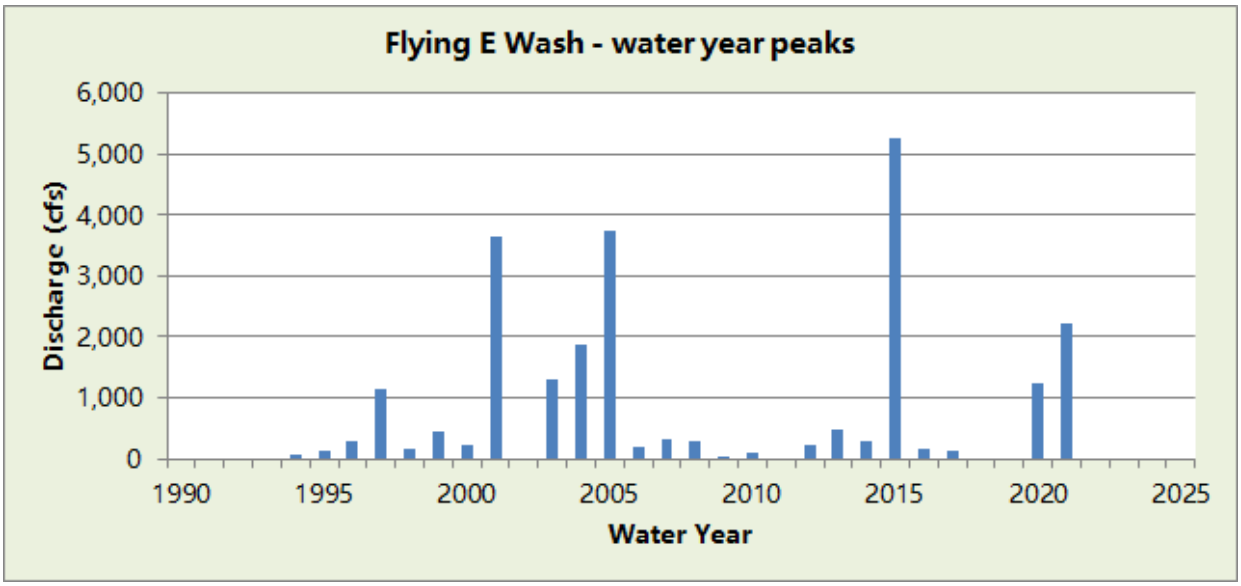


Site Data

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	27.22 Years | 9,943 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	2
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

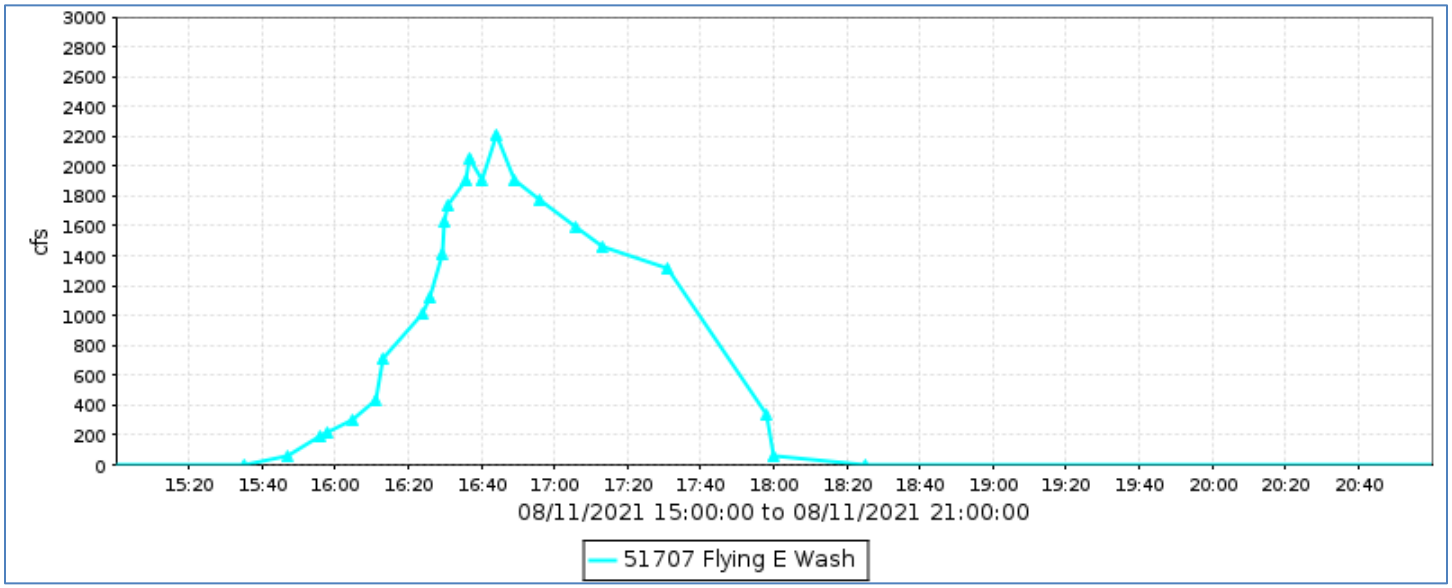




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/11/2021	1.02	53
08/11/2021	4.44	2,214

Hydrograph of peak WY 2021 flow event, 08/11/2021



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
280	**1,230**	**2,410**	**3,990**	**6,720**	**9,240**

NOTE: These results are based on limited data.

Flying E Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											113	
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	113	0
MEAN	0	0	0	0	0	0	0	0	0	0	4	0
MAX	0	0	0	0	0	0	0	0	0	0	2214	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	225	0

WTR YR 2021 TOTAL 113 MEAN 0 MAX 2214 MIN 0 AC_FT 225

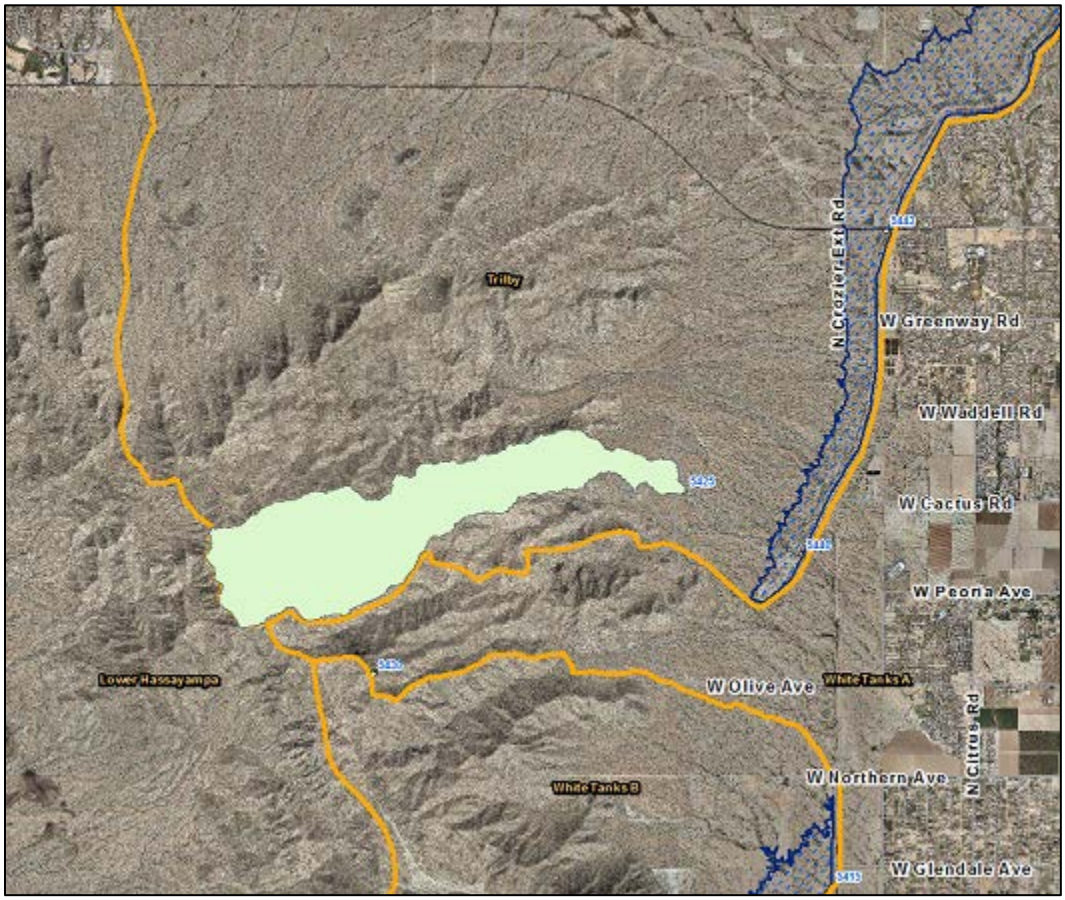
Ford Canyon Wash, ID #86207

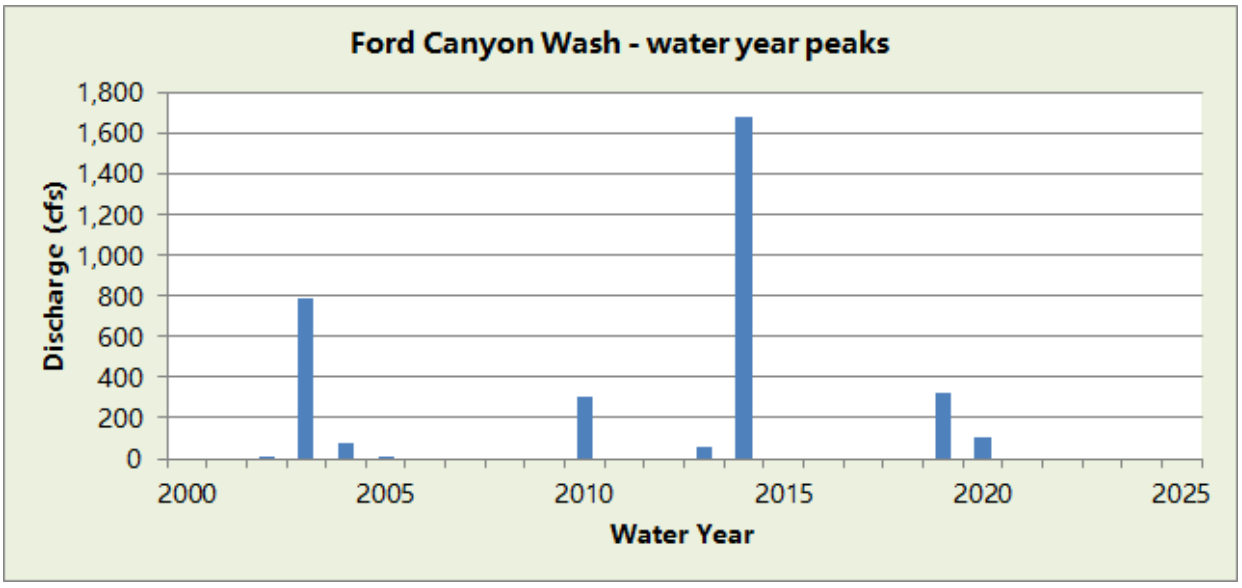


Site Data

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	19.65 Years | 7,178 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded during Water Year 2021.

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 2020 to September 2021

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					---							
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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Fourth of July Wash, ID #41207

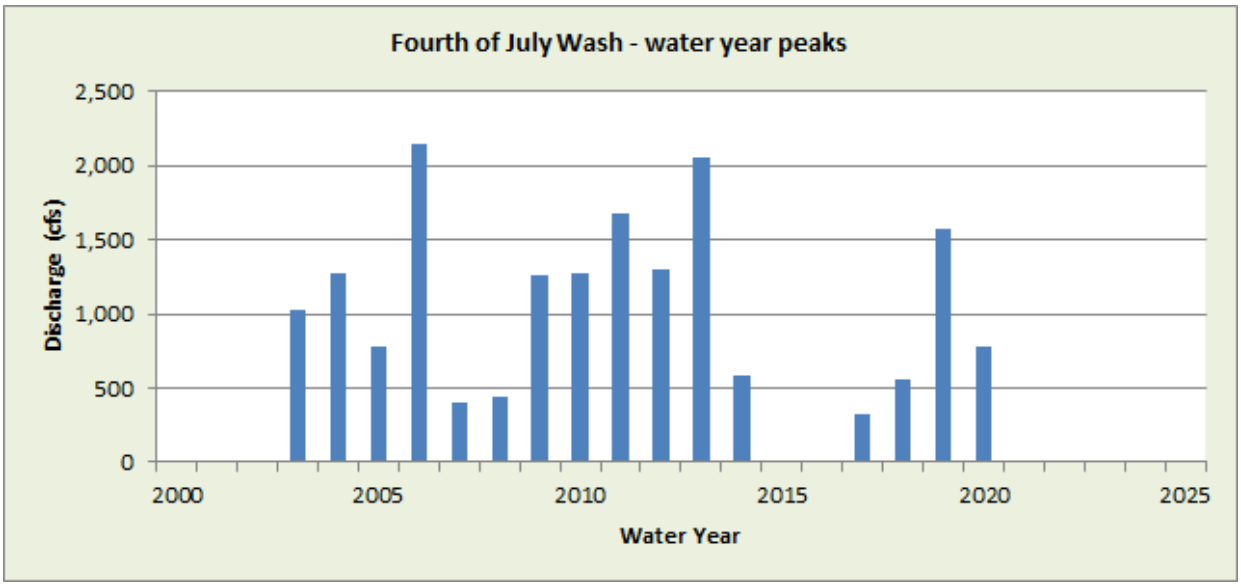


Site Data

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	19.55 Years | 7,141 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

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**
801	**1,400**	**1,820**	**2,210**	**2,710**	**3,080**

NOTE: These results are based on very limited data.

Fourth of July Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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												
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19												
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

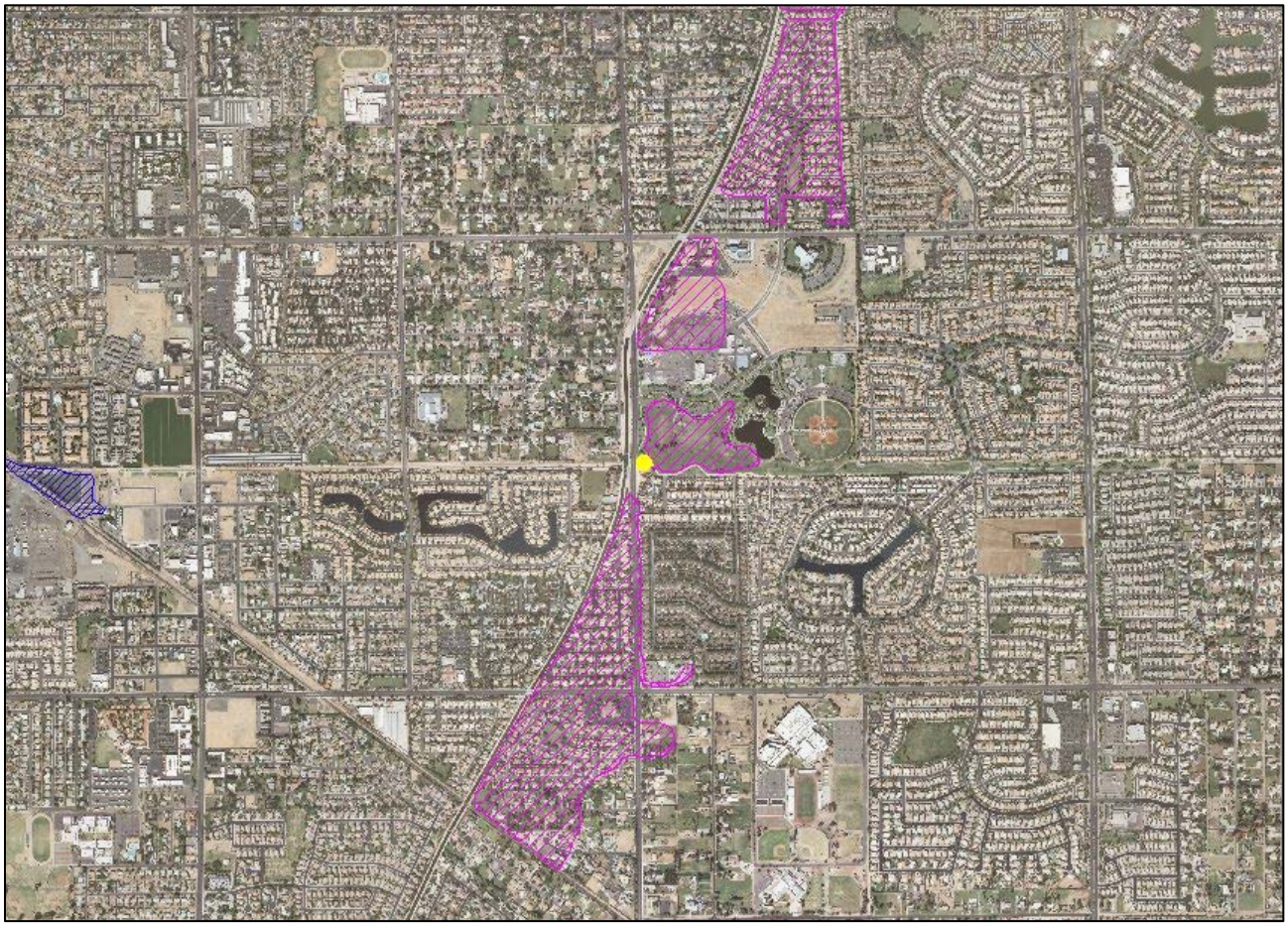
Freestone Basin, ID #32807

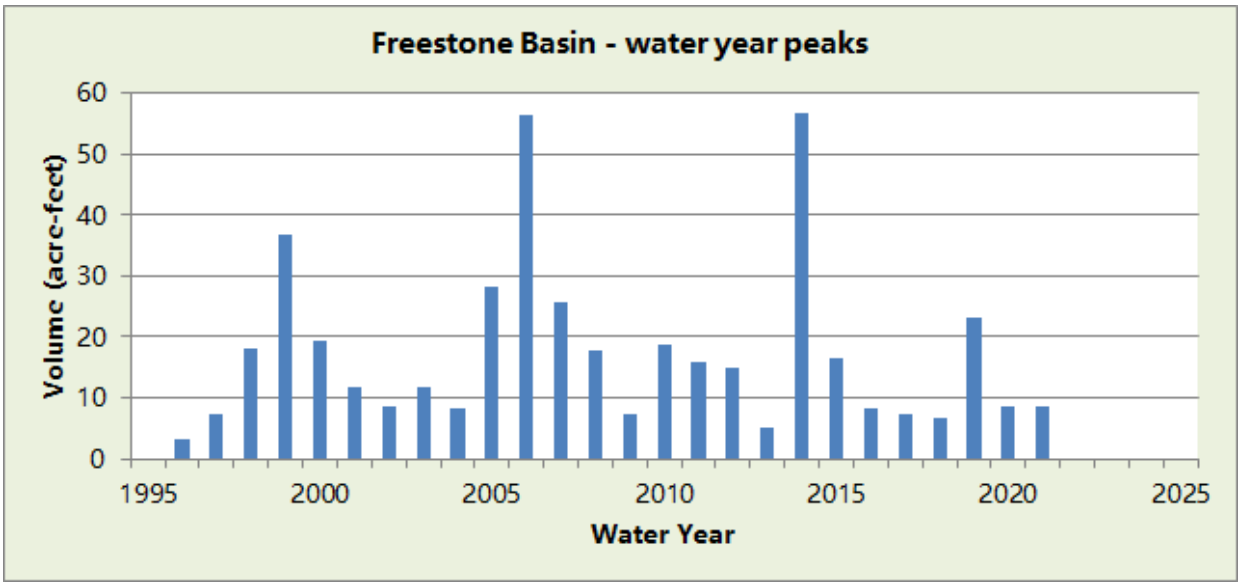


Site Data

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	25.79 Years | 9,418 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

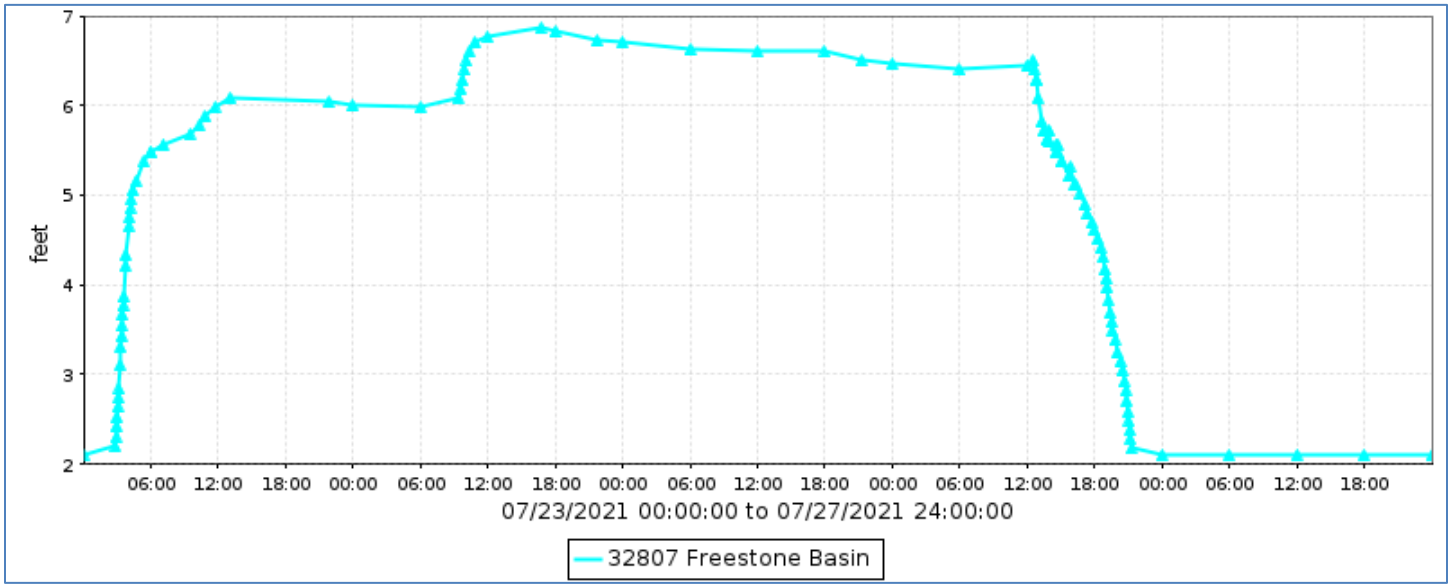




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2020	4.75	2.1	2.1
01/25/2021	4.72	2.1	2.1
01/26/2021	4.77	2.2	2.2
07/24/2021	6.86	8.6	8.6

Hydrograph of peak 2021 impoundment event, 07/24/2021



Freestone Basin, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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			1									
11			2									
12			1									
13			1			1						
14			1			1				1		
15			1			1						
16			1								1	
17			1									
18												
19												
20												
21												
22									---			
23										4		
24										7		
25				1						8		
26				1						5		
27												
28											---	
29					---							
30					---							
31		---			---		---		---	1		---
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	1	2	2	1	1	0	0	0	9	1	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 9 MIN 0

Freestone Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.1	2.1	2.1	2.4	2.2	2.1	2.1	2.2	2.1	2.3	2.6
2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	---
3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	---
4	2.1	2.1	2.1	2.1	2.2	2.4	2.1	2.1	2.1	2.1	2.1	---
5	2.1	2.1	2.1	2.1	2.3	2.3	2.1	2.1	2.1	2.1	2.1	---
6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.1	2.1	---
7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	---
8	2.1	2.7	2.1	2.1	2.2	2.5	2.1	2.5	2.1	2.1	2.1	0.0
9	2.1	3.2	2.1	2.1	2.1	2.2	2.1	2.5	2.1	2.1	2.1	2.1
10	2.1	2.8	4.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.1
11	2.3	2.3	4.5	2.3	2.1	2.1	2.1	2.1	2.4	2.6	2.3	2.1
12	2.1	2.1	4.4	2.9	2.1	2.1	2.1	2.1	2.6	2.2	2.4	2.1
13	2.1	2.1	4.2	2.5	2.1	3.4	2.1	2.1	2.8	2.1	2.1	2.1
14	2.1	2.1	3.9	2.1	2.1	3.5	2.1	2.1	2.3	3.6	3.1	2.1
15	2.1	2.2	3.8	2.2	2.1	3.5	2.1	2.2	2.1	2.8	2.8	2.1
16	2.3	2.1	3.6	2.1	2.2	2.5	2.1	2.1	2.1	2.2	3.4	2.1
17	2.8	2.1	3.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.7	2.1
18	2.3	2.1	3.1	2.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3
19	2.1	2.1	2.8	2.5	2.2	2.1	2.1	2.1	2.3	2.2	2.1	2.9
20	2.1	2.1	2.3	2.1	2.1	2.1	2.1	2.1	2.4	2.1	2.1	2.3
21	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.3	2.1	2.1	2.1
22	2.1	2.1	2.1	2.5	2.2	2.1	2.1	2.3	---	2.1	2.9	2.1
23	2.2	2.1	2.1	2.1	2.2	2.1	2.2	2.6	2.1	5.3	2.3	2.1
24	2.1	2.1	2.1	2.7	2.1	2.1	2.1	2.2	2.1	6.5	2.1	2.1
25	2.1	2.1	2.1	3.6	2.2	2.1	2.1	2.1	2.1	6.6	2.1	2.1
26	2.1	2.1	2.1	3.0	2.3	2.1	2.1	2.1	2.1	5.3	2.1	2.8
27	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4
28	2.1	3.1	2.1	2.4	2.1	2.1	2.1	2.1	2.1	2.1	---	2.1
29	2.1	3.1	2.1	2.5	---	2.1	2.3	2.1	2.1	2.1	2.4	2.1
30	2.1	2.3	2.1	2.5	---	2.1	2.2	2.1	2.1	2.2	2.4	2.1
31	2.1	---	2.1	2.2	---	2.3	---	2.1	---	3.9	2.6	---
MEAN	2.1	2.3	2.6	2.3	2.2	2.3	2.1	2.2	2.2	2.8	2.3	2.2
MAX	3.0	3.6	4.8	4.8	3.4	3.6	2.6	2.7	3.0	6.9	4.0	3.2
MIN	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

WTR YR 2021 MEAN 2.31 MAX 6.86 MIN 2.10

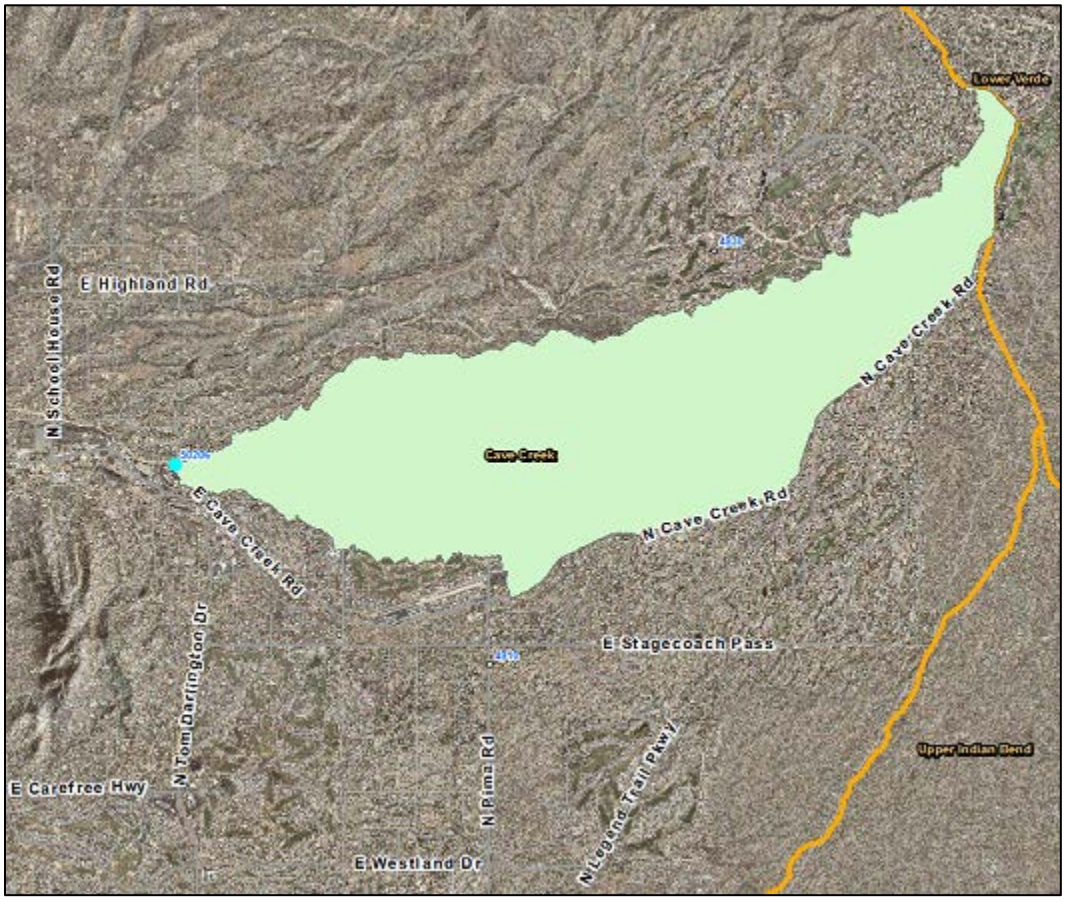
Galloway Wash at Galloway Road, ID #20607

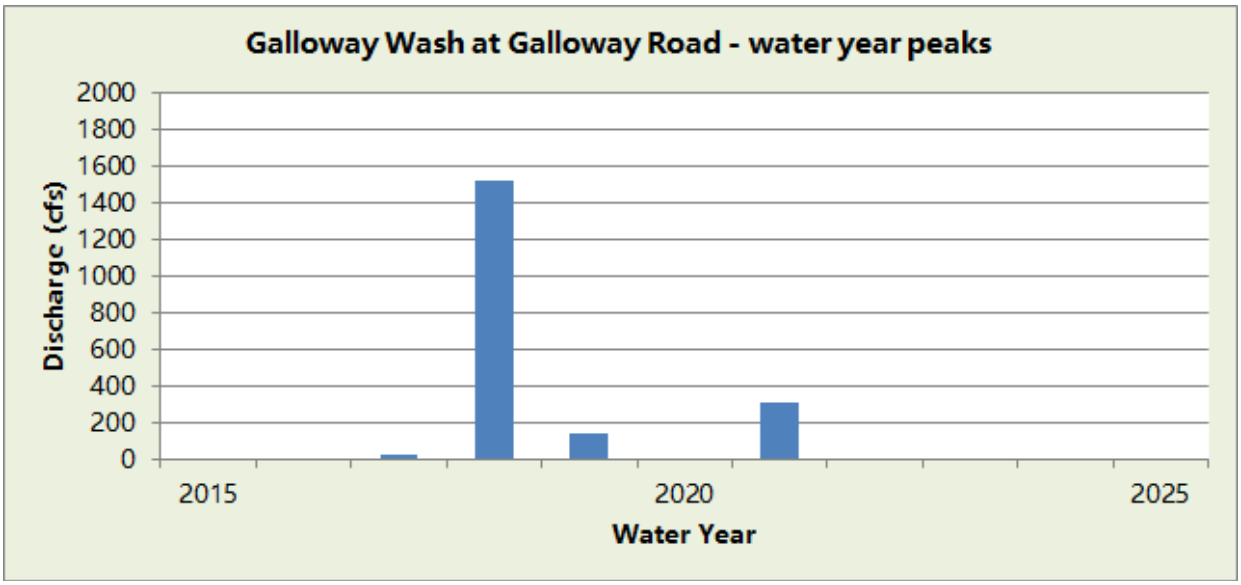


Site Data

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	5.13 Years | 1,872 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

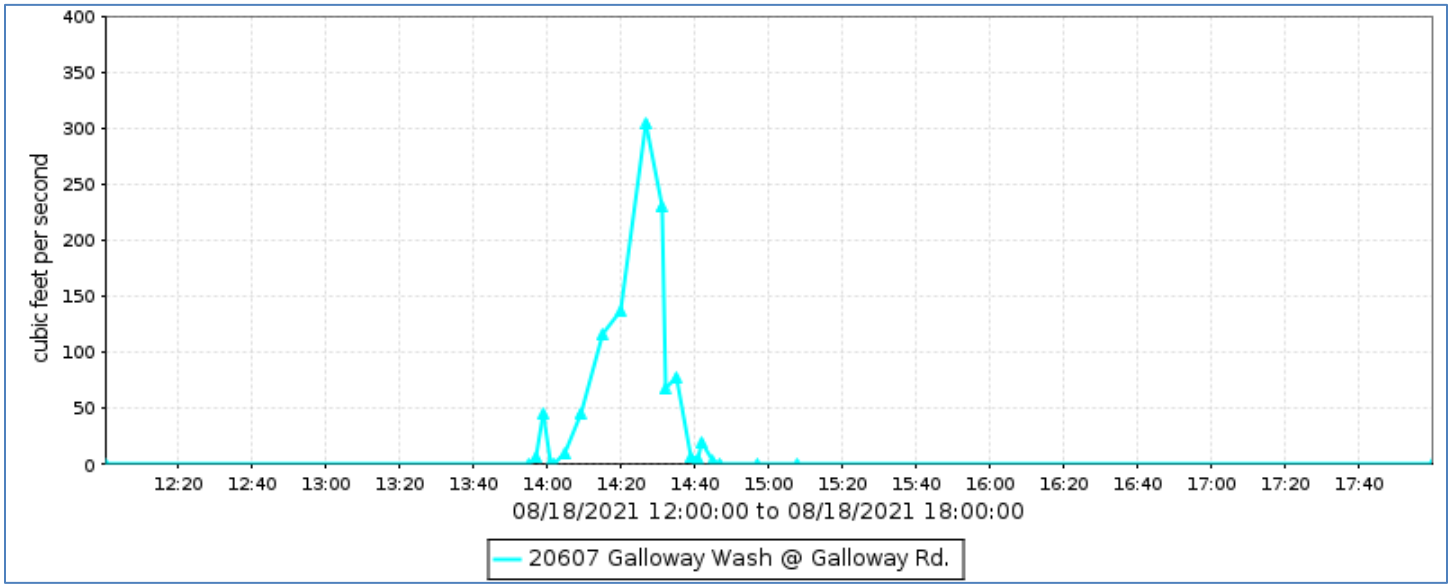




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/18/2021	1.40	304

Hydrograph of peak WY 2021 flow event, 08/18/2021



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 2020 to September 2021

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		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	3	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	304	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	5	0

WTR YR 2021 TOTAL 3 MEAN 0 MAX 304 MIN 0 AC_FT 5

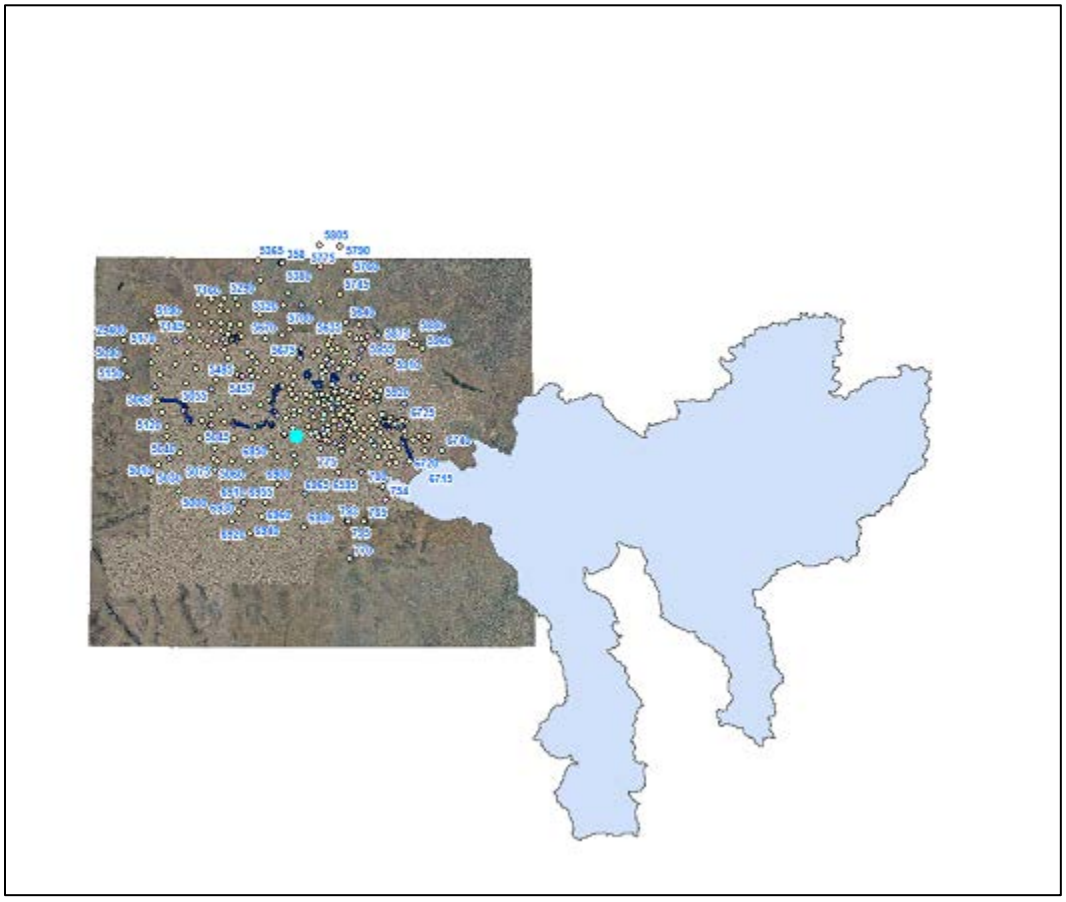
Gila River at Olberg Road, ID #42007

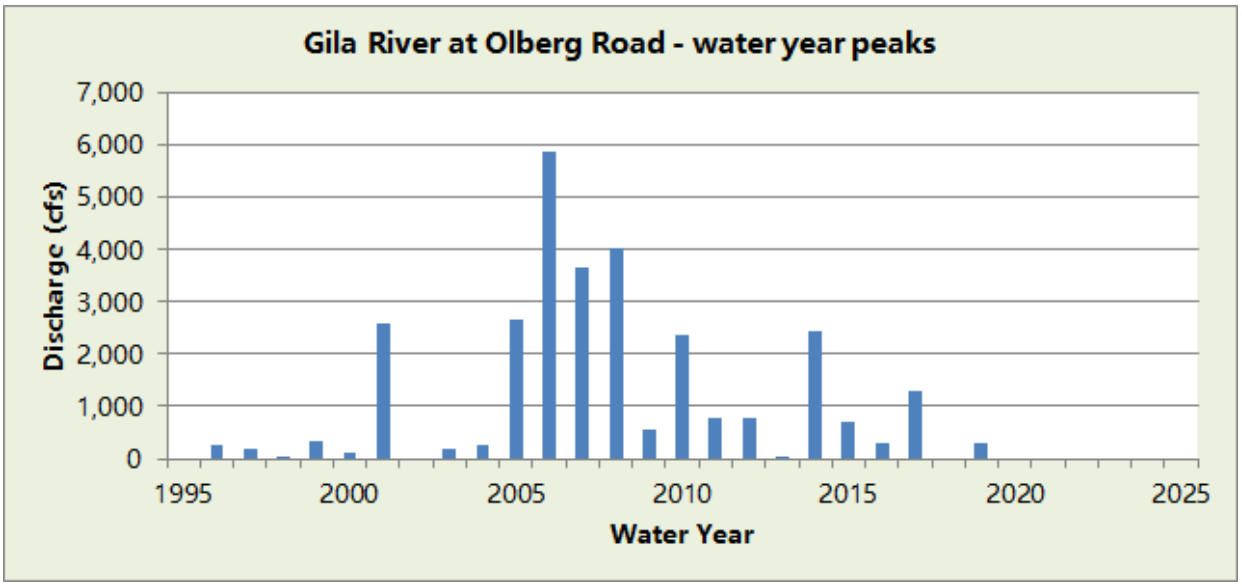


Site Data

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	26.47 Years | 9,669 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

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**
340	**1,440**	**2,780**	**4,530**	**7,450**	**10,100**

Gila River at Olberg Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

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

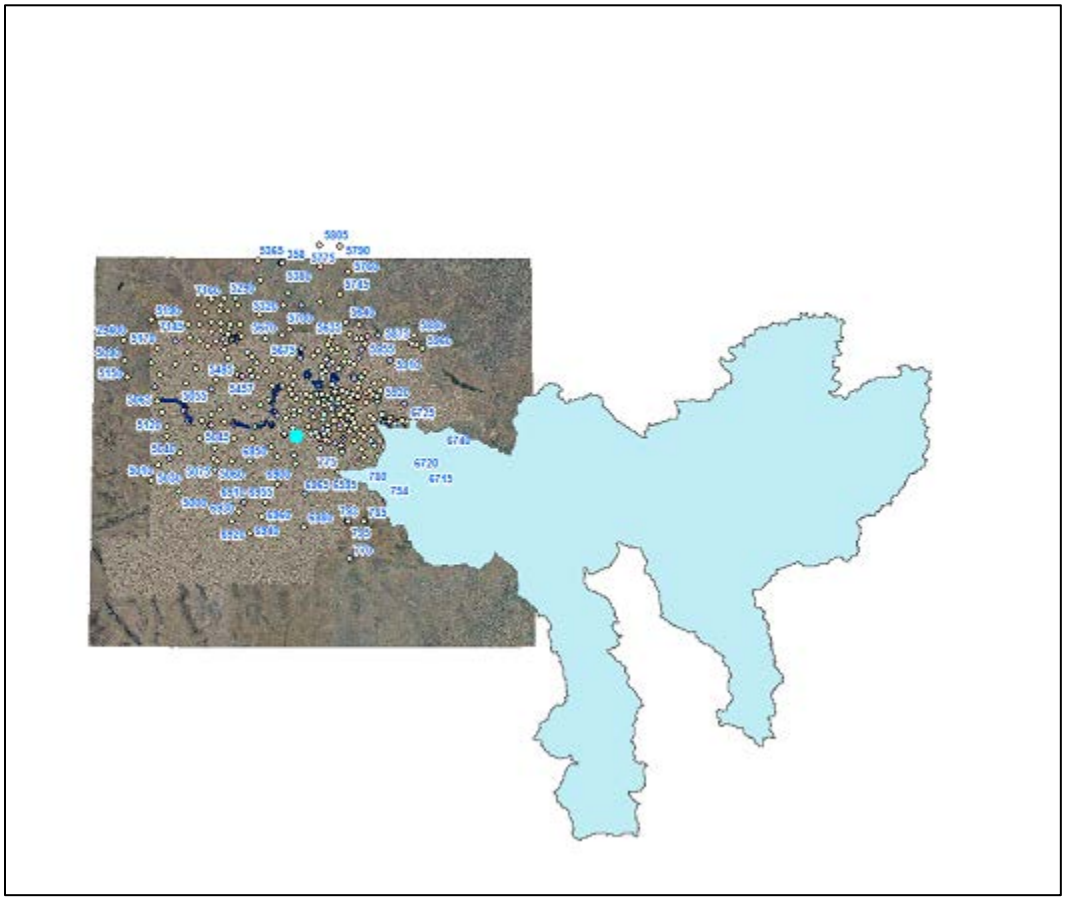
Gila River at Maricopa Road, ID #41707

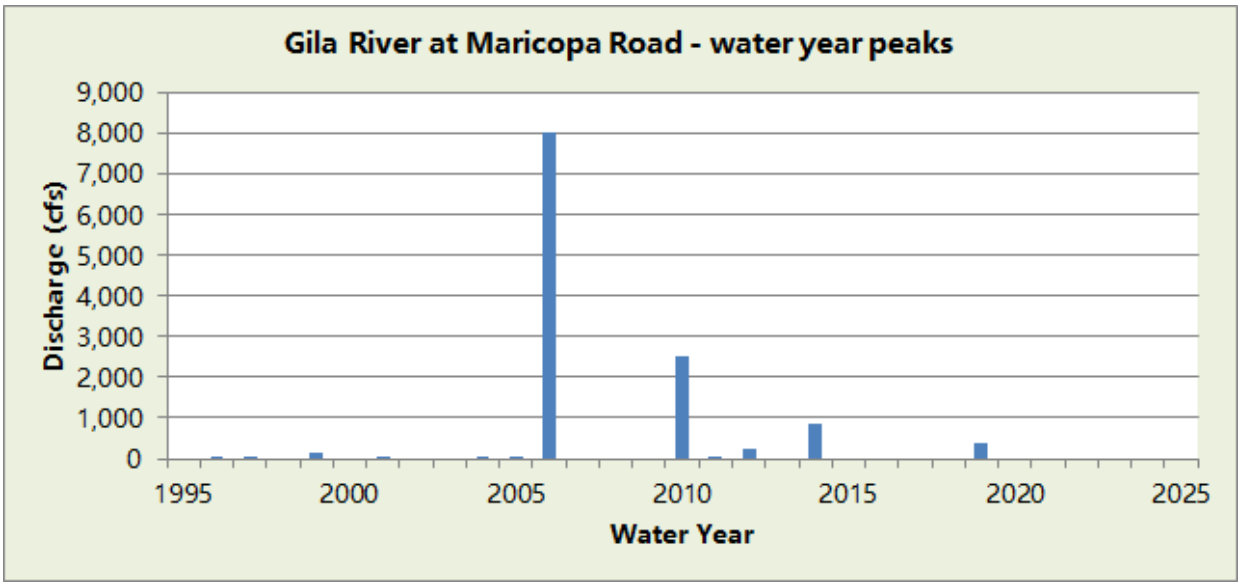


Site Data

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	26.48 Years | 9,672 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
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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 2021 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.

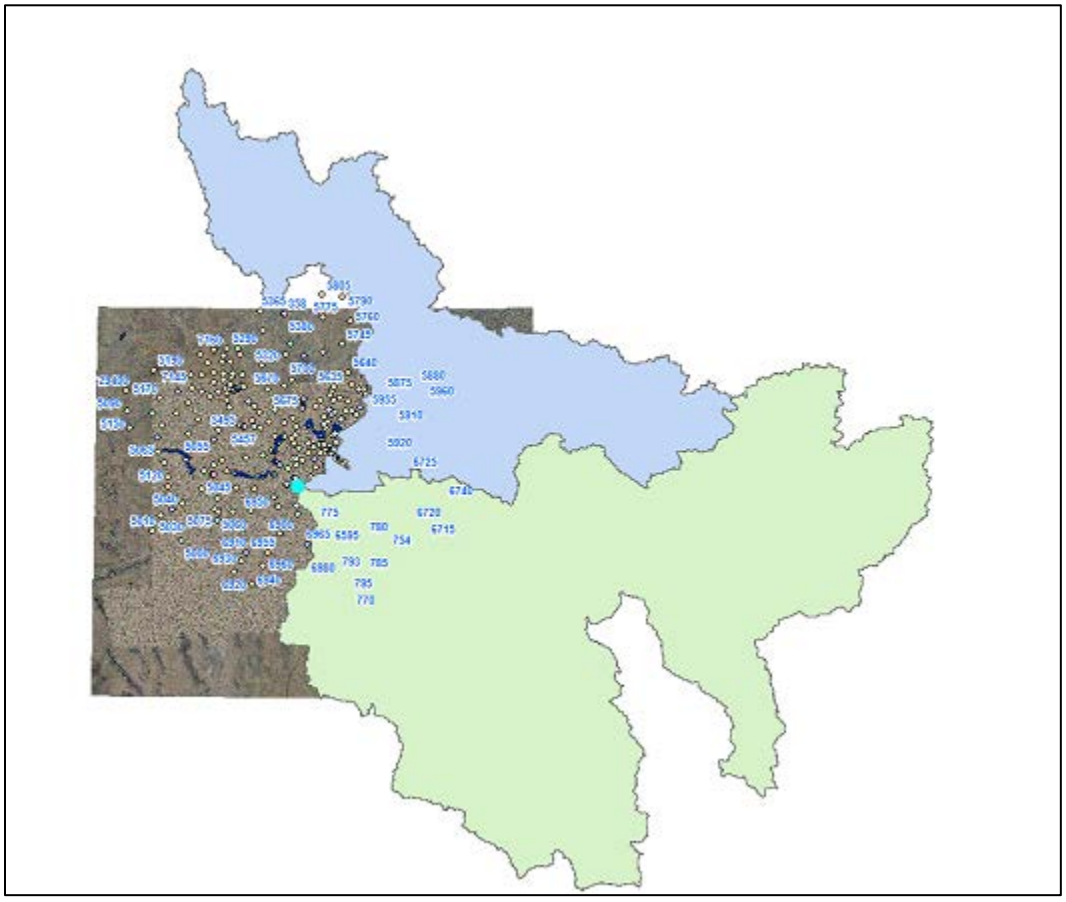
Gila River at 116th Avenue, ID #70707

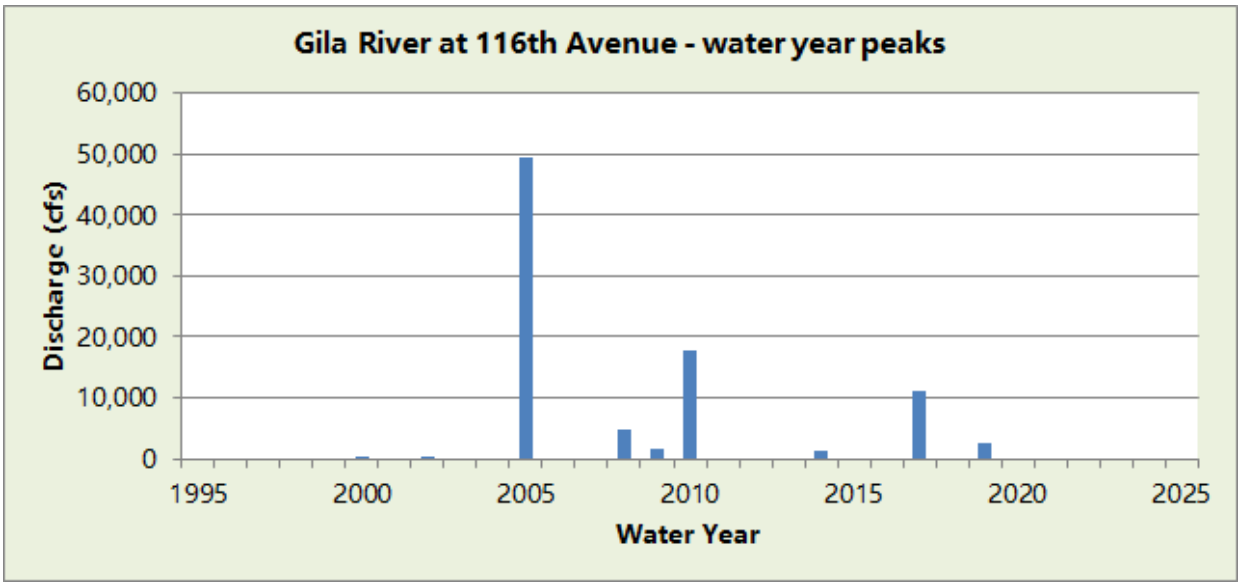


Site Data

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	22.79 Years | 8,325 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No flow above base flow in Water Year 2021.

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 2020 to September 2021

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	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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

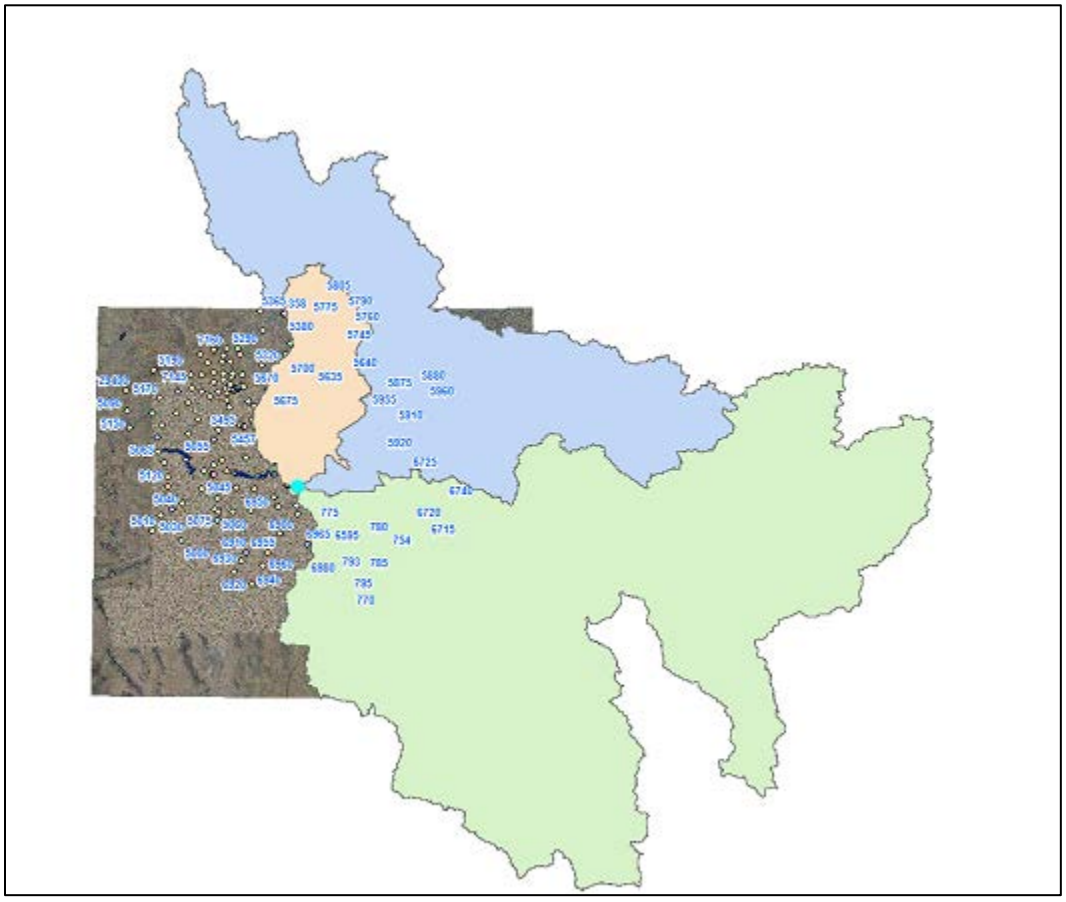
Gila River at Estrella Parkway, ID #83807

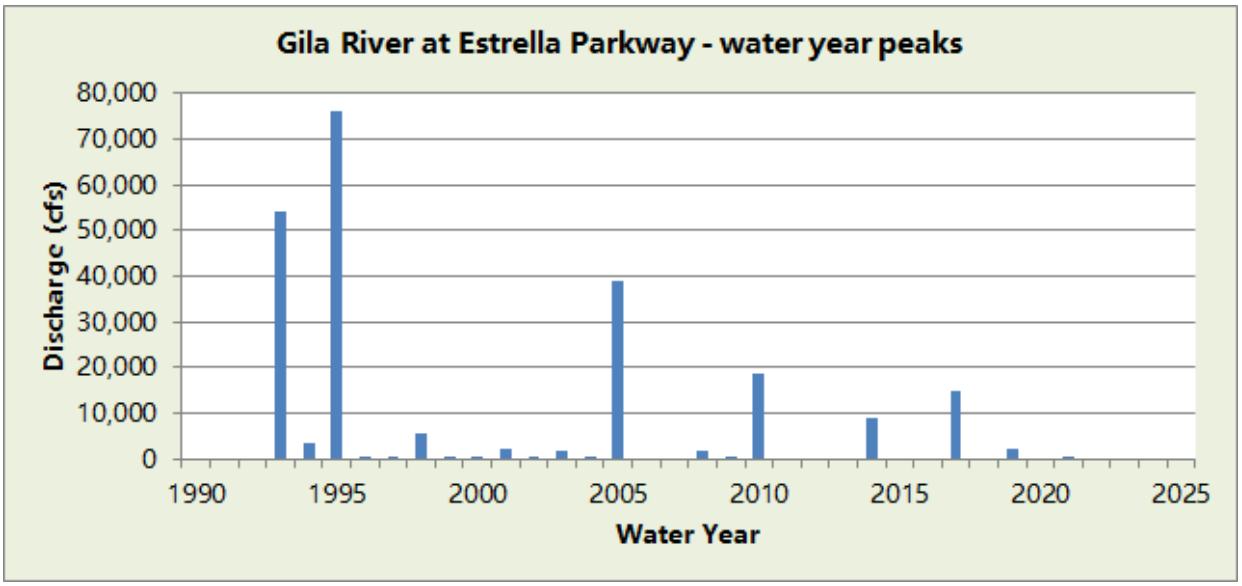


Site Data

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	28.83 Years | 10,530 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

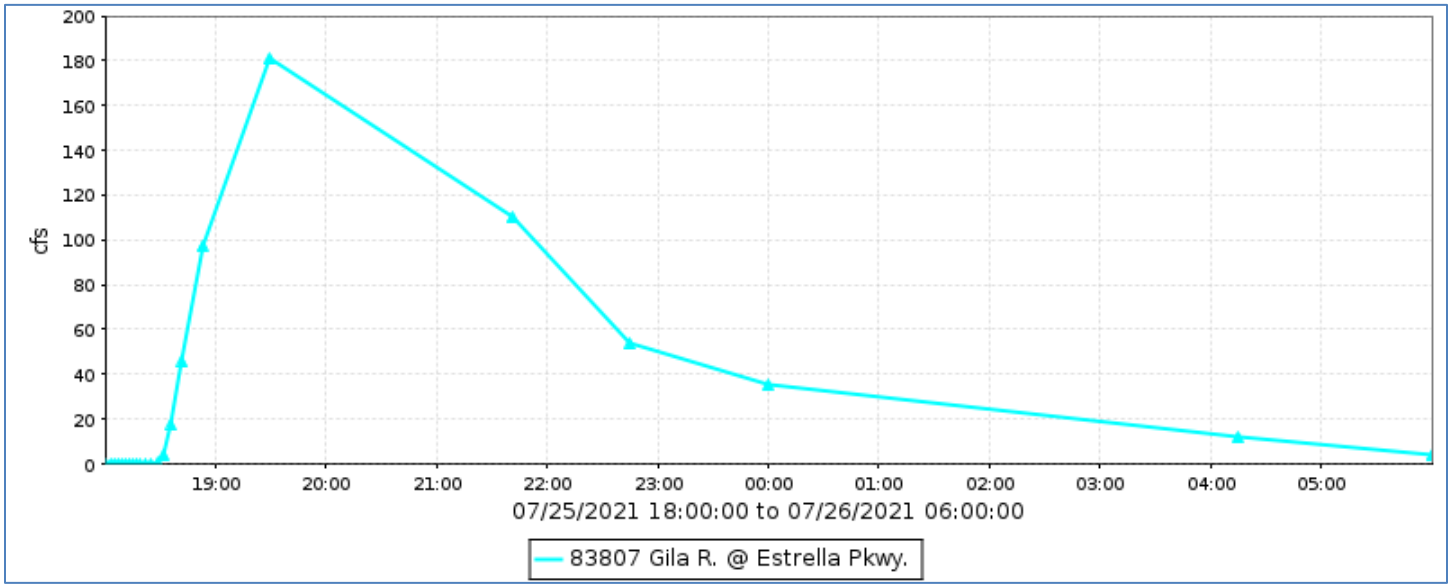




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/25/2021	5.24	181

Hydrograph of peak WY 2021 flow event, 07/25/2021



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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
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26		---								7		
27		---										
28												
29		---			---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	35	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	0	0	0	0	0	0	0	181	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	69	0	0

WTR YR 2021 TOTAL 35 MEAN 0 MAX 181 MIN 0 AC_FT 69

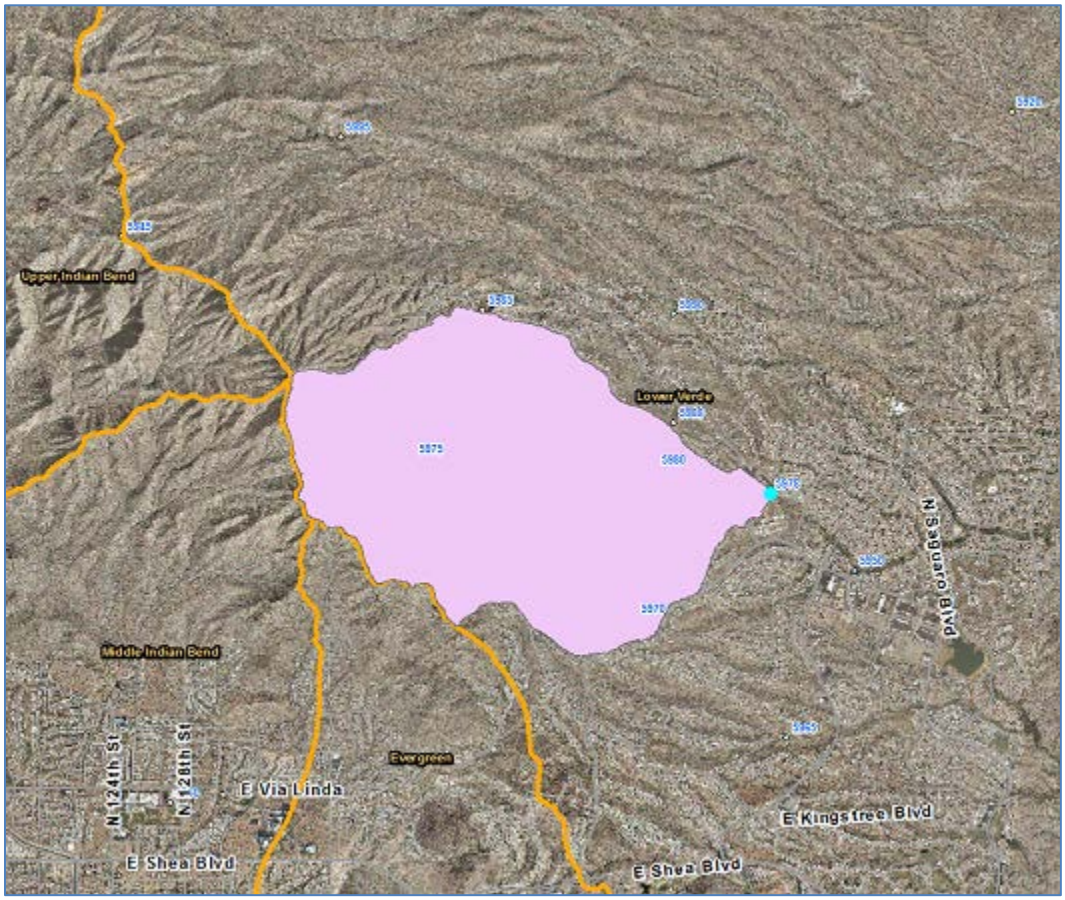
Golden Eagle Park Dam, ID #78007

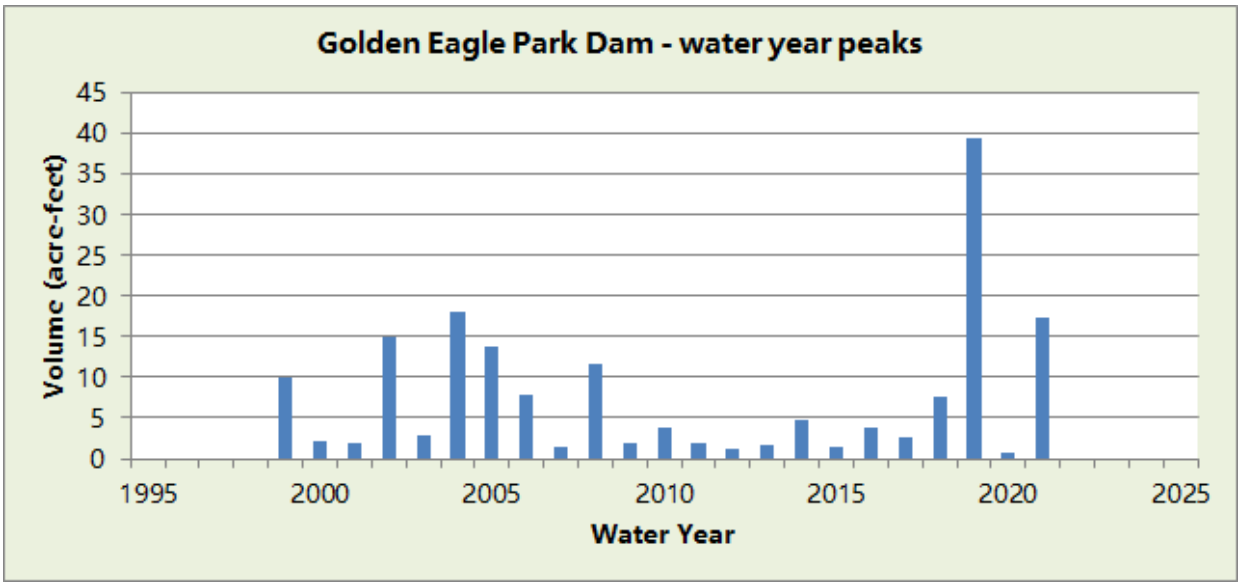


Site Data

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	24.80 Years | 9,059 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

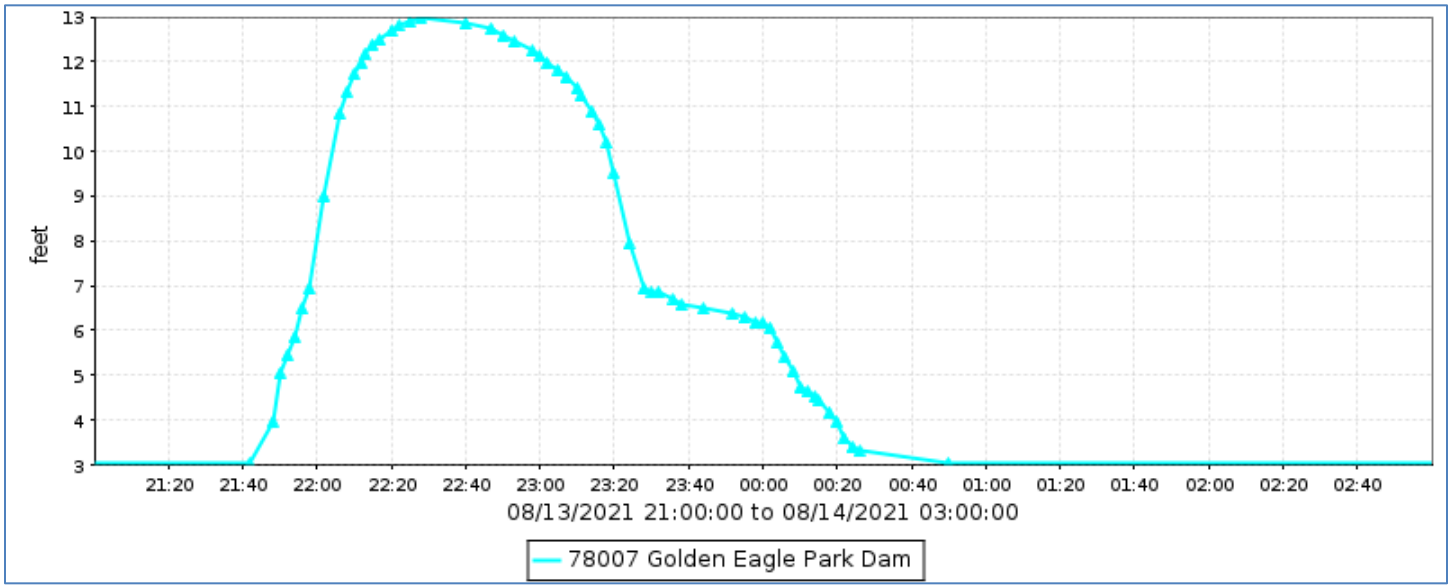




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/23/2021	5.62	0.2	0.2
08/11/2021	6.28	0.5	0.5
08/13/2021	13.00	17.5	17.4

Hydrograph of peak 2021 impoundment event, 08/13/2021



Golden Eagle Park Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											44	
12												
13											70	
14											10	
15												
16												
17												
18												
19												
20												
21												
22												
23										19		
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	19	124	0
MEAN	0	0	0	0	0	0	0	0	0	1	4	0
MAX	0	0	0	0	0	0	0	0	0	434	970	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	38	246	0

WTR YR 2021 TOTAL 143 MEAN 0 MAX 970 MIN 0 AC_FT 284

Golden Eagle Park Dam, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 18 MIN 0

Golden Eagle Park Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	3.0
8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
10	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
11	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.3	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	3.7	3.0
14	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	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	3.1	3.0	3.0
24	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	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
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	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0
MAX	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.6	13.0	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 2021 MEAN 3.05 MAX 13.00 MIN 3.05

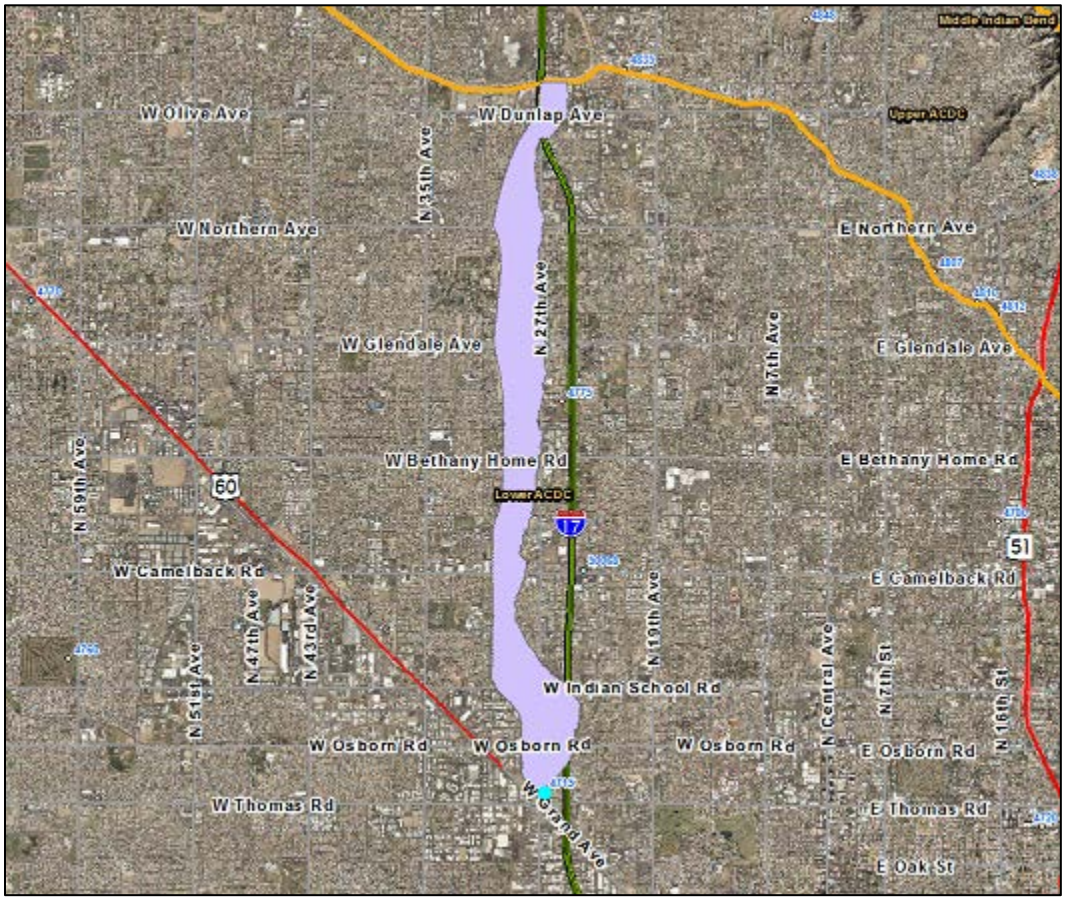
Grand Avenue at 27th Avenue Basin, ID #3807

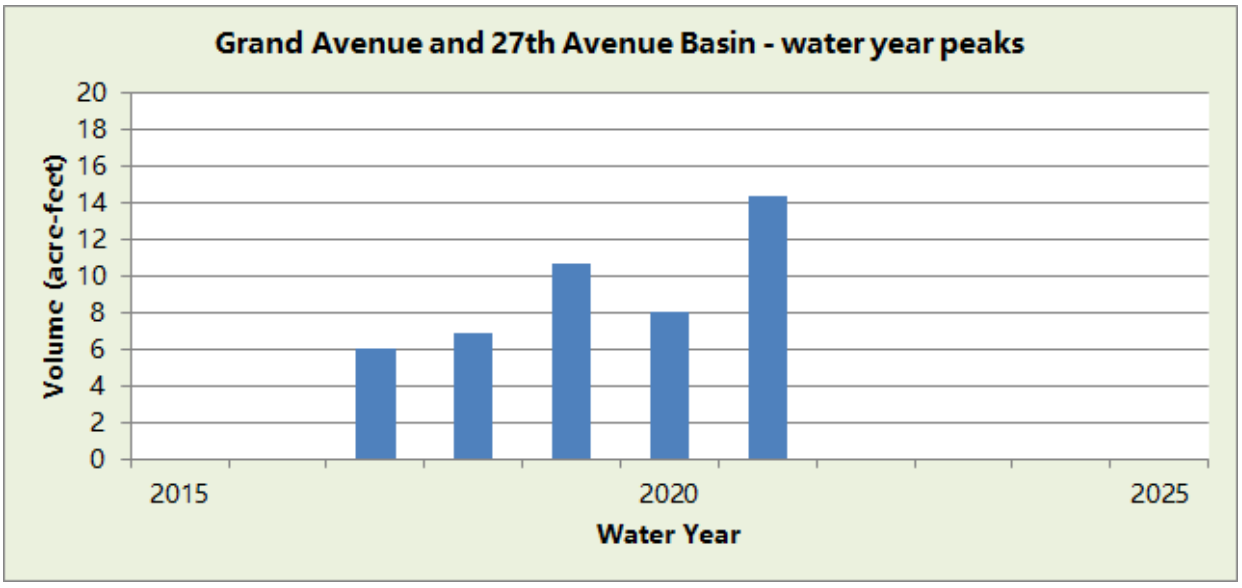


Site Data

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	5.99 Years | 2,187 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

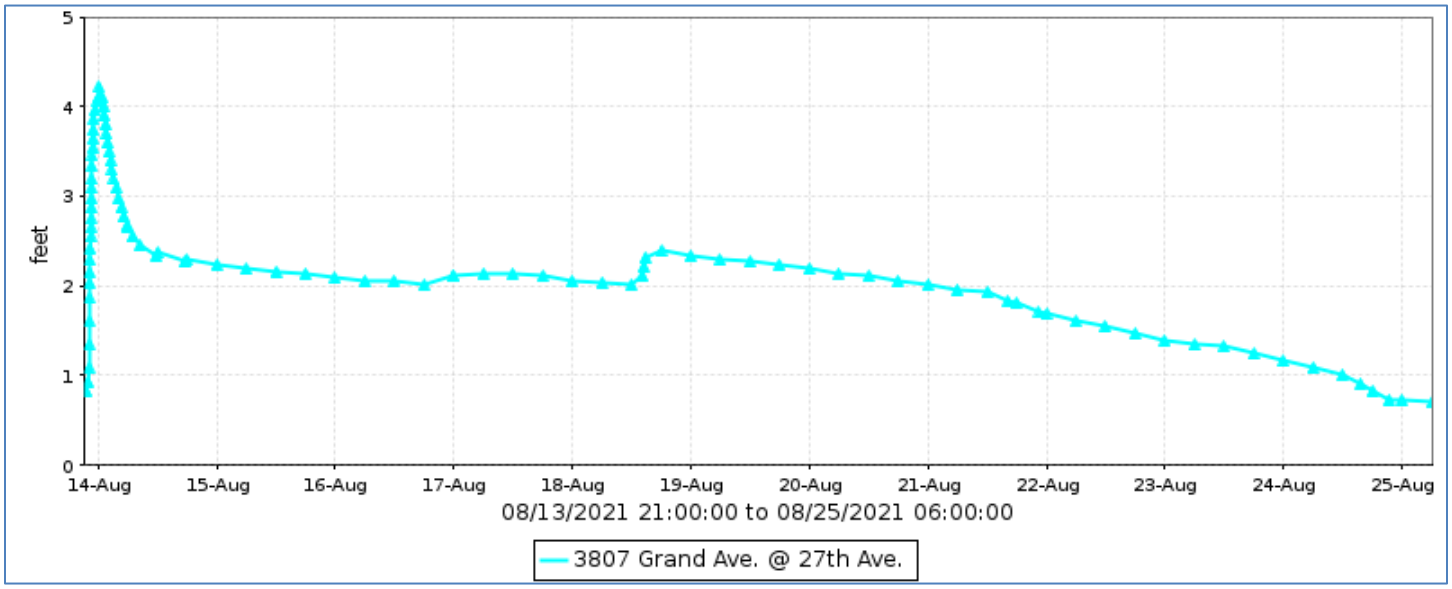




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2020	1.94	6.0	16.1
01/26/2021	1.49	4.5	12.2
01/29/2021	1.49	4.5	12.2
07/03/2021	2.16	6.8	18.1
07/14/2021	1.62	4.9	13.3
07/25/2021	3.83	12.9	34.7
07/31/2021	3.01	9.7	26.2
08/14/2021	4.22	14.4	38.9
09/01/2021	2.16	6.8	18.1

Hydrograph of peak 2021 impoundment event, 08/14/2021



Grand Avenue at 27th Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					2						4	2
2					1						3	3
3										1	3	3
4				---						3	3	3
5										3	2	2
6										3	1	1
7										2		
8										2		
9												
10			2									
11			3									
12			3									
13			2									
14			2							2	4	
15			2							2	3	
16			2							1	3	
17			1								3	
18											3	
19											4	
20											3	
21											3	
22											3	
23										2	2	
24										3	1	
25				1						4		
26				2						4		1
27				2						3		2
28				2						3		2
29				1	---					3		1
30				2	---					2		
31		---		2	---		---		---	4		---
TOTAL	0	0	17	14	4	0	0	0	0	47	51	22
MEAN	0	0	1	0	0	0	0	0	0	2	2	1
MAX	0	0	3	3	2	0	0	0	0	7	7	3
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	34	28	7	0	0	0	0	94	101	43

WTR YR 2021 TOTAL 155 MEAN 0 MAX 7 MIN 0 AC_FT 307

Grand Avenue at 27th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 1 MAX 14 MIN 0

Grand Avenue at 27th Avenue Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	1.2	0.5	0.5	0.5	0.5	0.5	2.3	1.4
2	0.5	0.5	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	2.1	2.1
3	0.5	0.5	0.5	0.5	0.8	0.5	0.5	0.5	0.5	0.8	1.9	1.9
4	0.5	0.5	0.5	---	0.7	0.5	0.5	0.5	0.5	2.1	1.5	1.5
5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.9	1.3	1.3
6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	0.9	1.0
7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4	0.7	0.5
8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	0.7	0.5
9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.7	0.5
10	0.5	0.5	1.4	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.7	0.5
11	0.5	0.5	1.7	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.5
12	0.5	0.5	1.6	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.5
13	0.5	0.5	1.3	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.9	0.5
14	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5	0.5	1.3	2.6	0.5
15	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.2	2.2	0.5
16	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.8	2.1	0.5
17	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.7	2.1	0.5
18	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	2.2	0.5
19	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	2.3	0.5
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	2.1	0.5
21	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	1.9	0.6
22	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	1.6	0.7
23	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4	1.3	0.7
24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.1	1.0	0.6
25	0.5	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	2.3	0.8	0.6
26	0.5	0.5	0.5	1.4	0.5	0.5	0.5	0.5	0.5	2.6	0.8	1.1
27	0.5	0.5	0.5	1.3	0.5	0.5	0.5	0.5	0.5	2.2	0.8	1.4
28	0.5	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5	1.9	0.8	1.2
29	0.5	0.5	0.5	1.1	---	0.5	0.5	0.5	0.5	1.5	0.8	0.9
30	0.5	0.5	0.5	1.5	---	0.5	0.5	0.5	0.5	1.3	0.8	0.6
31	0.5	---	0.5	1.4	---	0.5	---	0.5	---	2.7	0.8	---
MEAN	0.5	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.5	1.2	1.4	0.8
MAX	0.5	0.5	1.9	1.5	1.2	0.5	0.5	0.5	0.5	3.8	4.2	2.2
MIN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.5

WTR YR 2021 MEAN 0.66 MAX 4.22 MIN 0.45

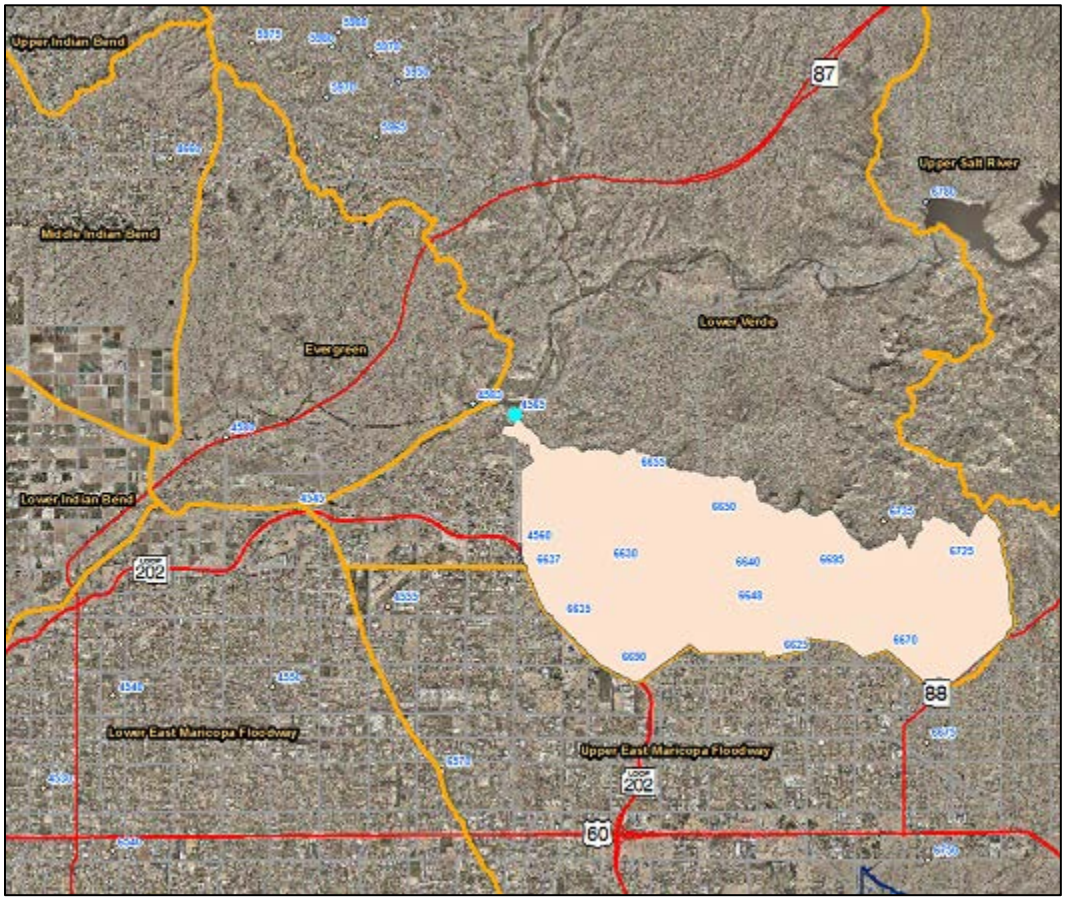
Granite Reef Diversion, ID #75007

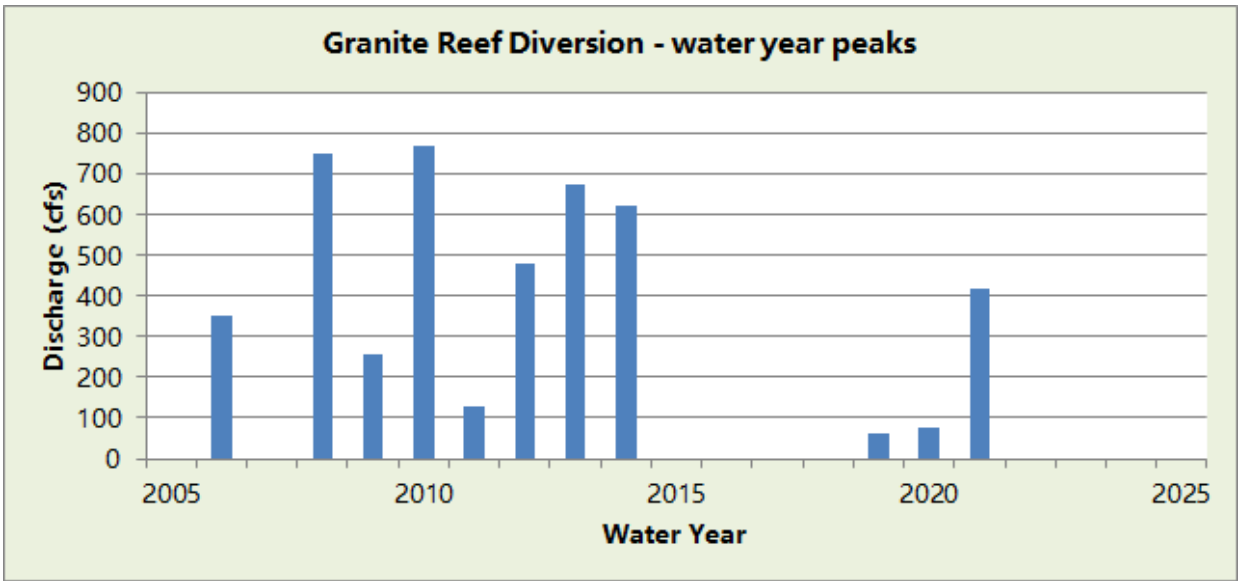


Site Data

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	16.20 Years | 5,916 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

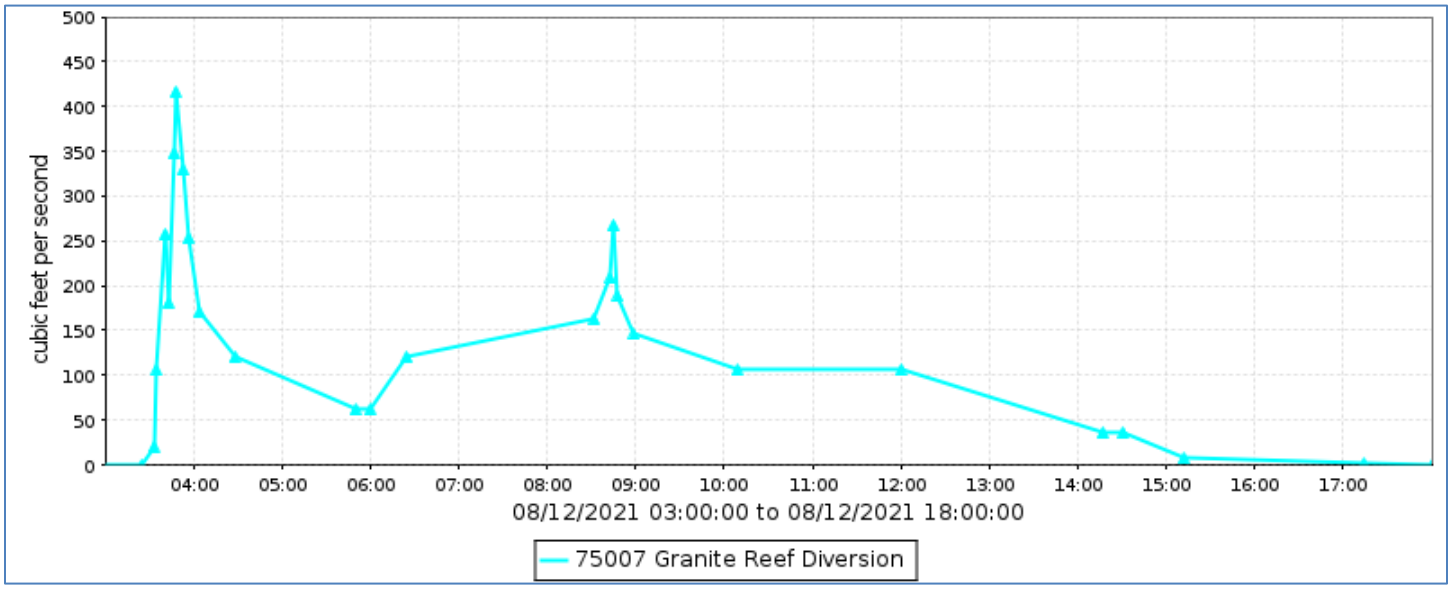




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/10/2021	0.20	16
07/15/2021	0.89	303
08/11/2021	1.02	375
08/12/2021	1.09	417
08/13/2021	0.89	303

Hydrograph of peak WY 2021 flow event, 08/12/2021



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 2020 to September 2021

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											42	
12											58	
13											4	
14											80	
15										10	108	
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	10	291	0
MEAN	0	0	0	0	0	0	0	0	0	0	9	0
MAX	0	0	0	0	0	0	0	0	0	303	417	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	20	577	0

WTR YR 2021 TOTAL 301 MEAN 1 MAX 417 MIN 0 AC_FT 597

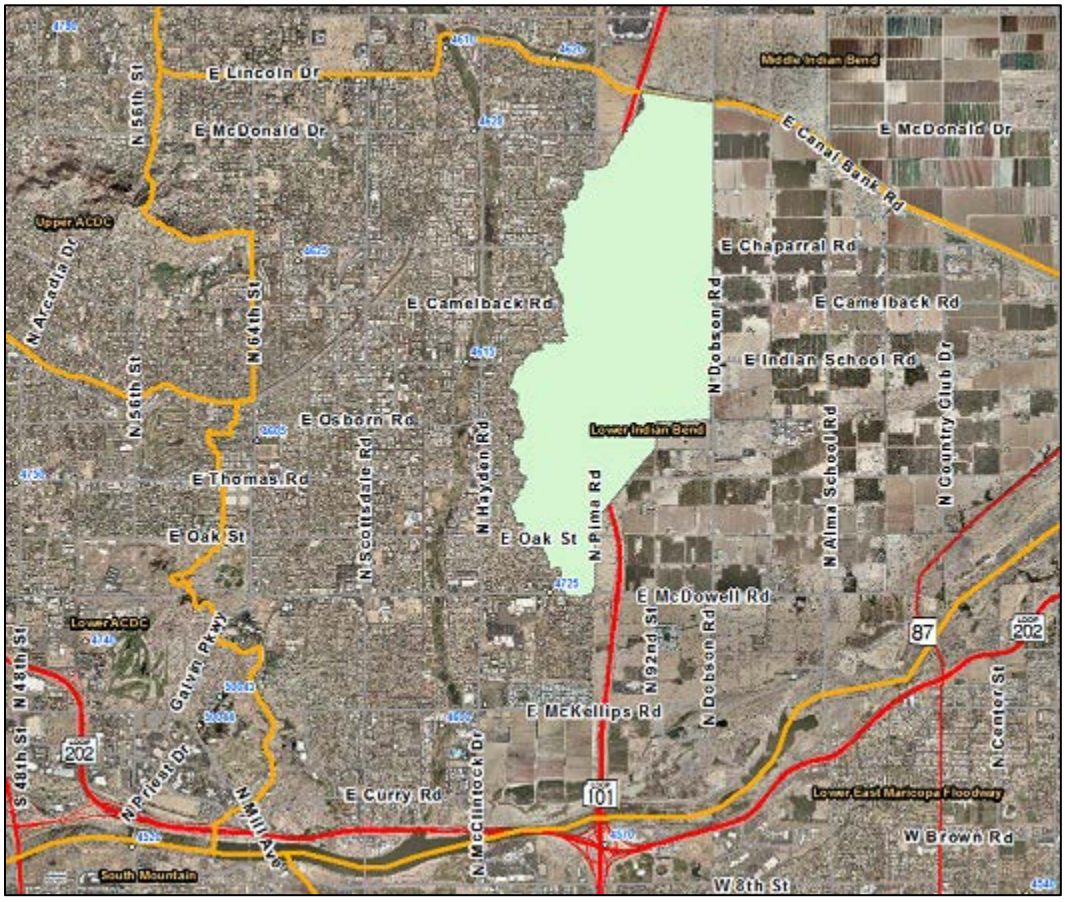
Granite Reef Wash, ID #57507

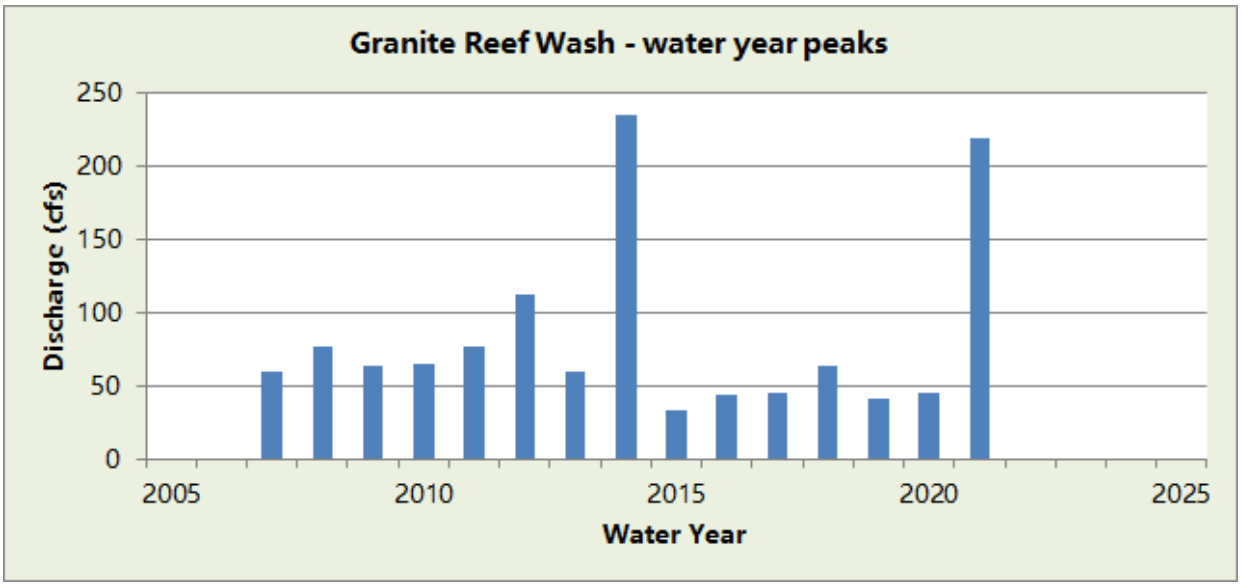


Site Data

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	14.27 Years | 5,211 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

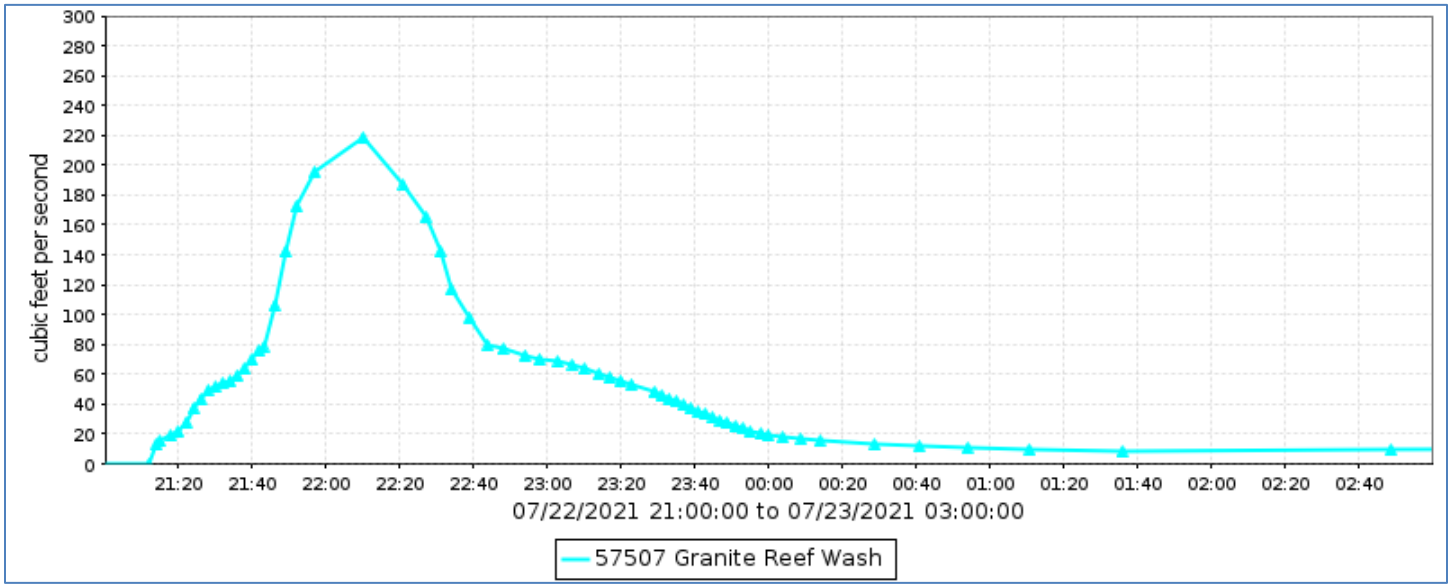




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
12/10/2020	2.42	14
01/25/2021	3.02	20
01/29/2021	1.72	8
03/12/2021	2.05	11
07/03/2021	2.05	11
07/14/2021	2.07	11
07/16/2021	2.17	12
07/22/2021	7.68	219
07/23/2021	4.99	47
07/24/2021	2.97	20
07/24/2021	2.85	19
07/25/2021	4.24	36
07/30/2021	2.07	11
08/14/2021	2.67	17
08/16/2021	3.79	30
08/31/2021	2.90	19
09/01/2021	3.39	25
09/18/2021	2.90	19
09/26/2021	2.00	10

Hydrograph of peak WY 2021 flow event, 07/22/2021



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**
61	**105**	**149**	**204**	**303**	**402**

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

Granite Reef Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												4
2												1
3										2		
4												
5												
6												
7												
8												
9												
10			3							1		
11												
12						3						
13												
14										2	4	
15												
16										2	1	
17											2	
18												2
19												
20												
21												
22										11		
23										11		
24										4		
25				2						5		
26												3
27												
28												
29				2	---							
30				1	---							
31		---			---		---		---	1	1	---
TOTAL	0	0	3	6	0	3	0	0	0	39	8	9
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	14	20	0	11	0	0	0	219	30	25
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	6	11	0	5	0	0	0	78	16	18

WTR YR 2021 TOTAL 68 MEAN 0 MAX 219 MIN 0 AC_FT 135

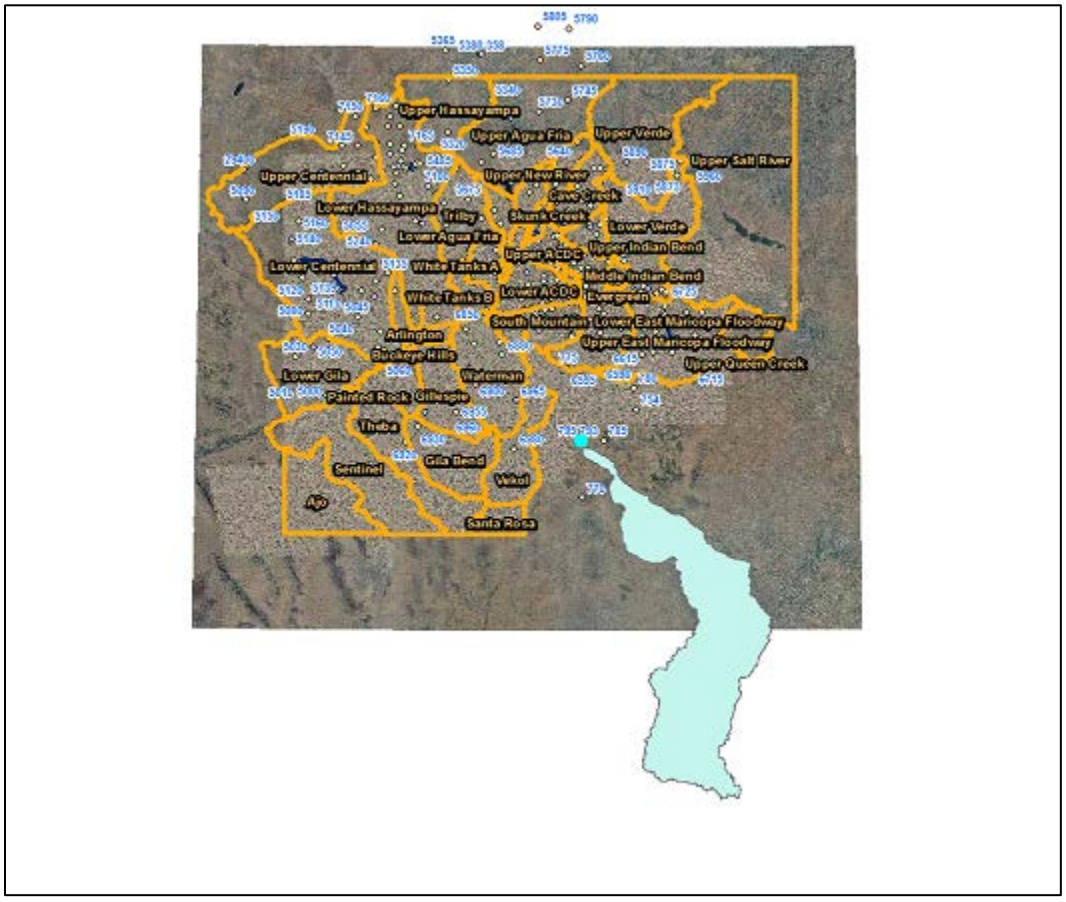
Greene Wash at SR84 – ID #64007

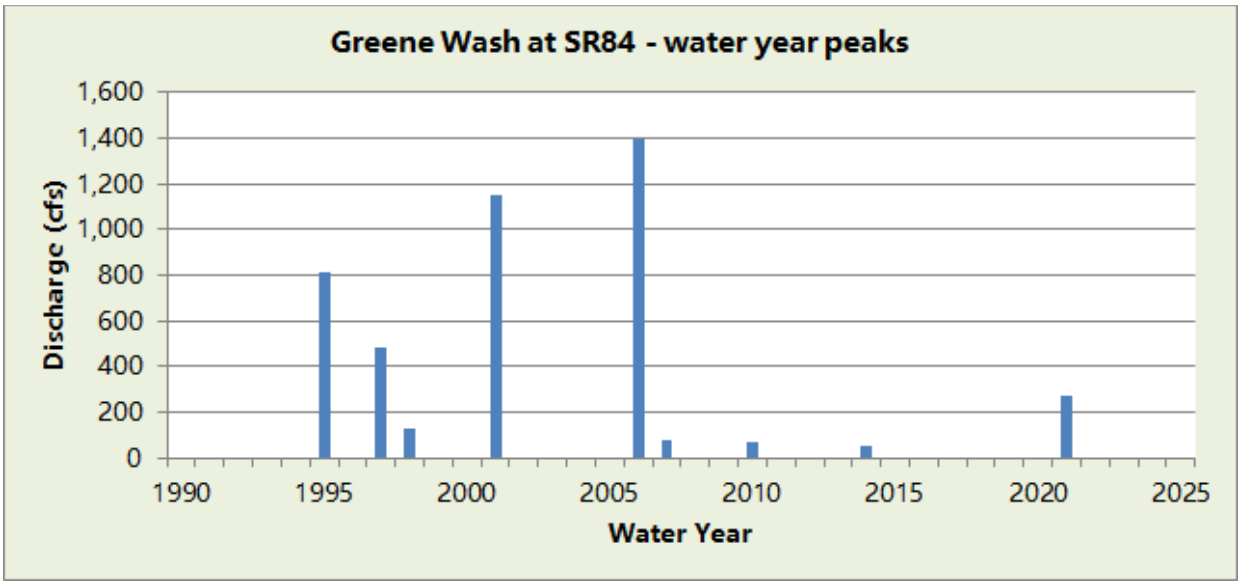


Site Data

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	27.53 Years | 10,054 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

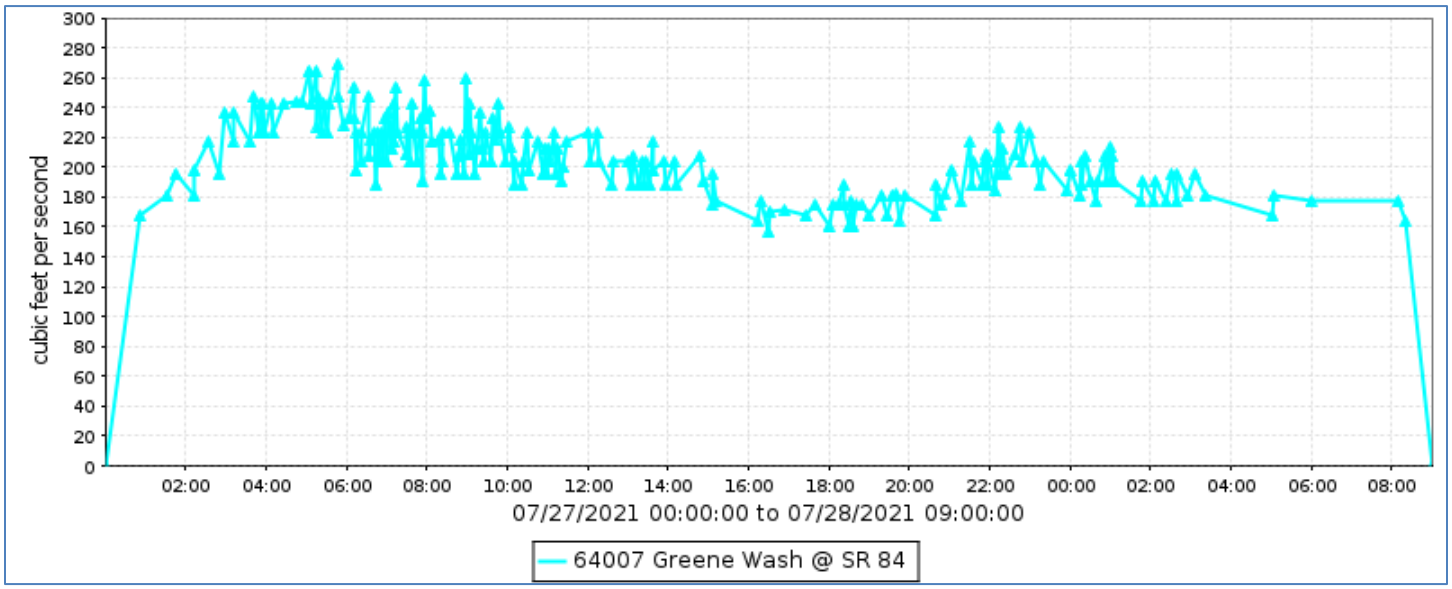




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/25/2021	0.17	177
07/27/2021	0.67	269
08/14/2021	0.40	213
08/17/2021	0.37	207
08/19/2021	0.25	188

Hydrograph of peak WY 2021 flow event, 07/27/2021



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 2020 to September 2021

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												
9												
10												
11												
12												
13												
14											23	
15												
16												
17											55	
18											6	
19											95	
20												
21												
22												
23												
24												
25										14		
26												
27										195		
28										69		
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	277	179	0
MEAN	0	0	0	0	0	0	0	0	0	9	6	0
MAX	0	0	0	0	0	0	0	0	0	269	213	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	550	356	0

WTR YR 2021 TOTAL 457 MEAN 1 MAX 269 MIN 0 AC_FT 906

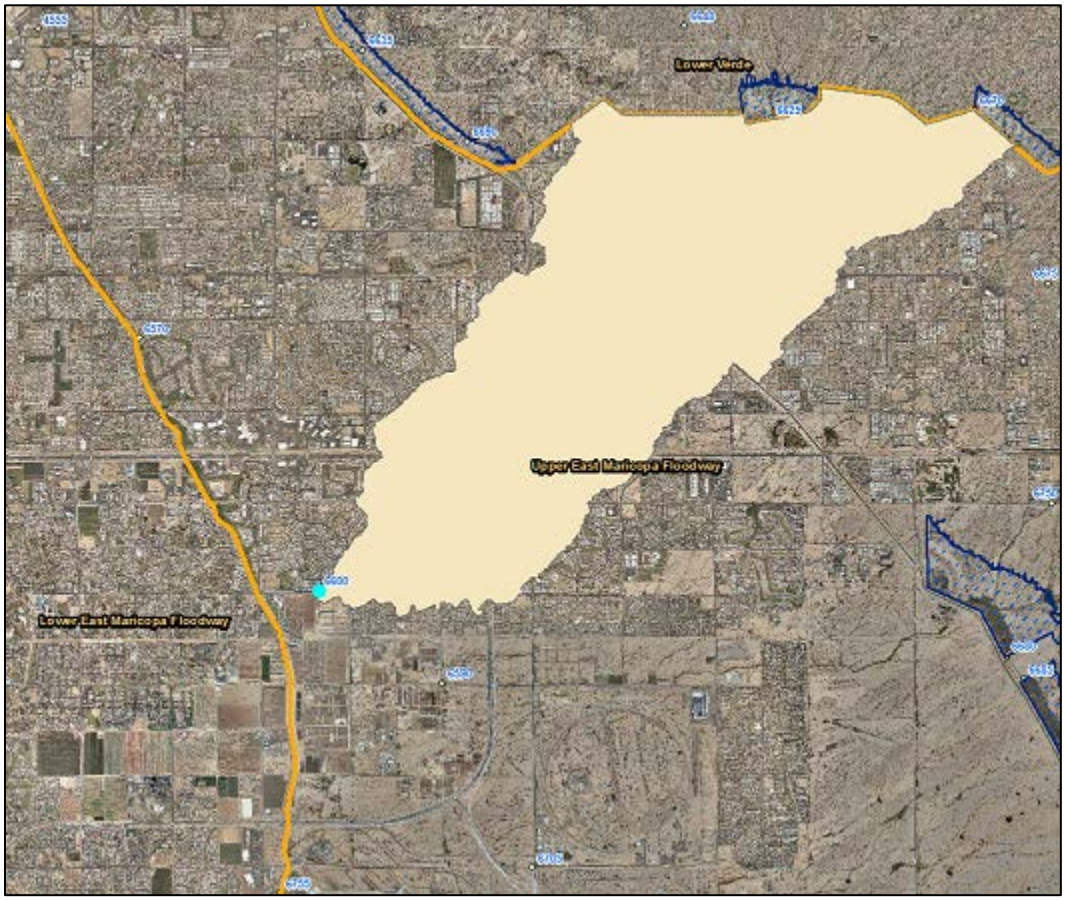
Guadalupe Road Channel, ID #35707

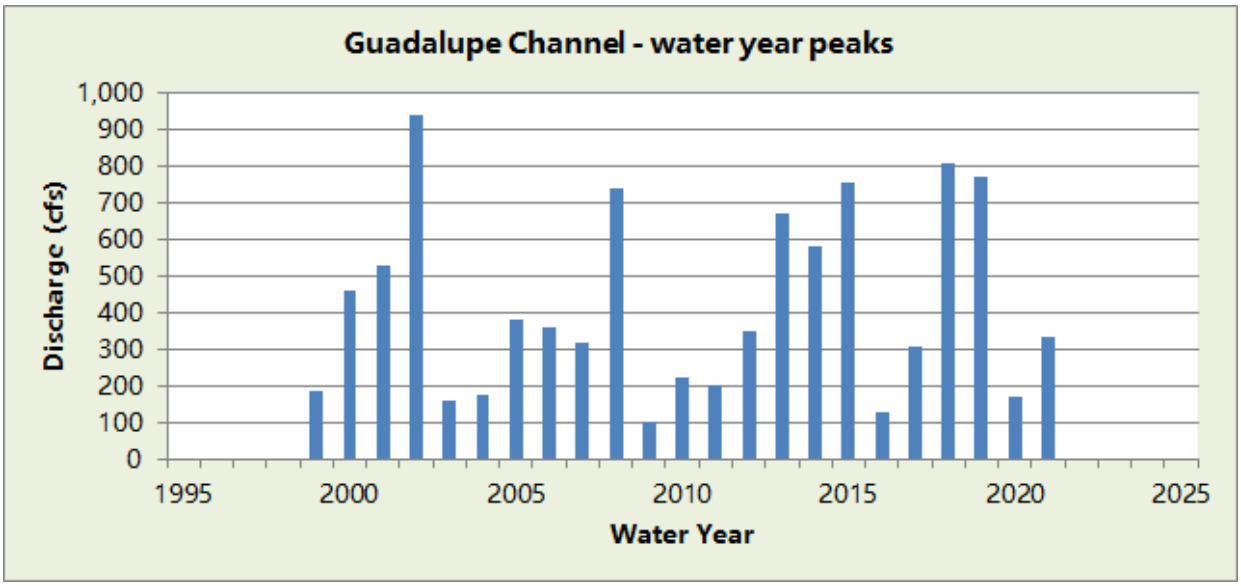


Site Data

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	23.15 Years | 8,456 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	1,345.02 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

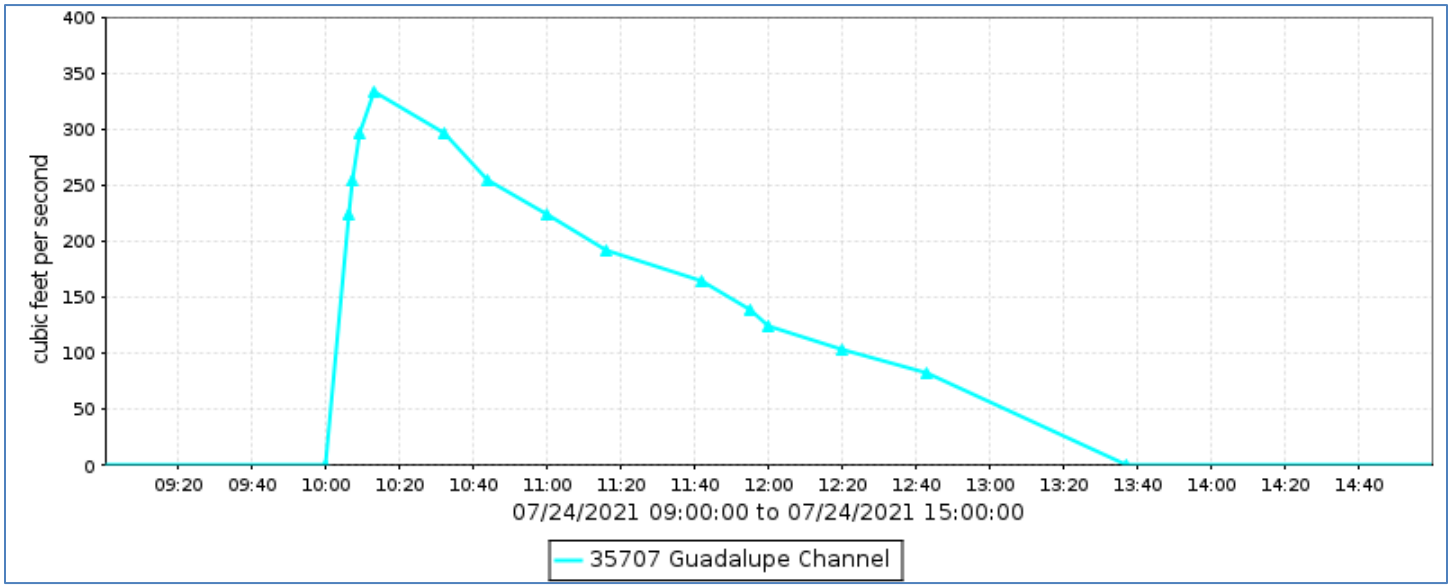




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/24/2021	1.67	333
07/25/2021	1.57	307
08/11/2021	1.15	172
08/12/2021	1.48	270
08/14/2021	1.48	270
08/17/2021	1.48	270

Hydrograph of peak WY 2021 flow event, 07/24/2021



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**
339	**588**	**776**	**973**	**1,250**	**1,470**

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

Guadalupe Road Channel, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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	
12											20	
13												
14											37	
15												
16											1	
17											29	
18												
19												
20												
21												
22												
23												
24										25		
25										43		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	68	100	0
MEAN	0	0	0	0	0	0	0	0	0	2	3	0
MAX	0	0	0	0	0	0	0	0	0	333	270	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	135	198	0

WTR YR 2021 TOTAL 168 MEAN 0 MAX 333 MIN 0 AC_FT 333

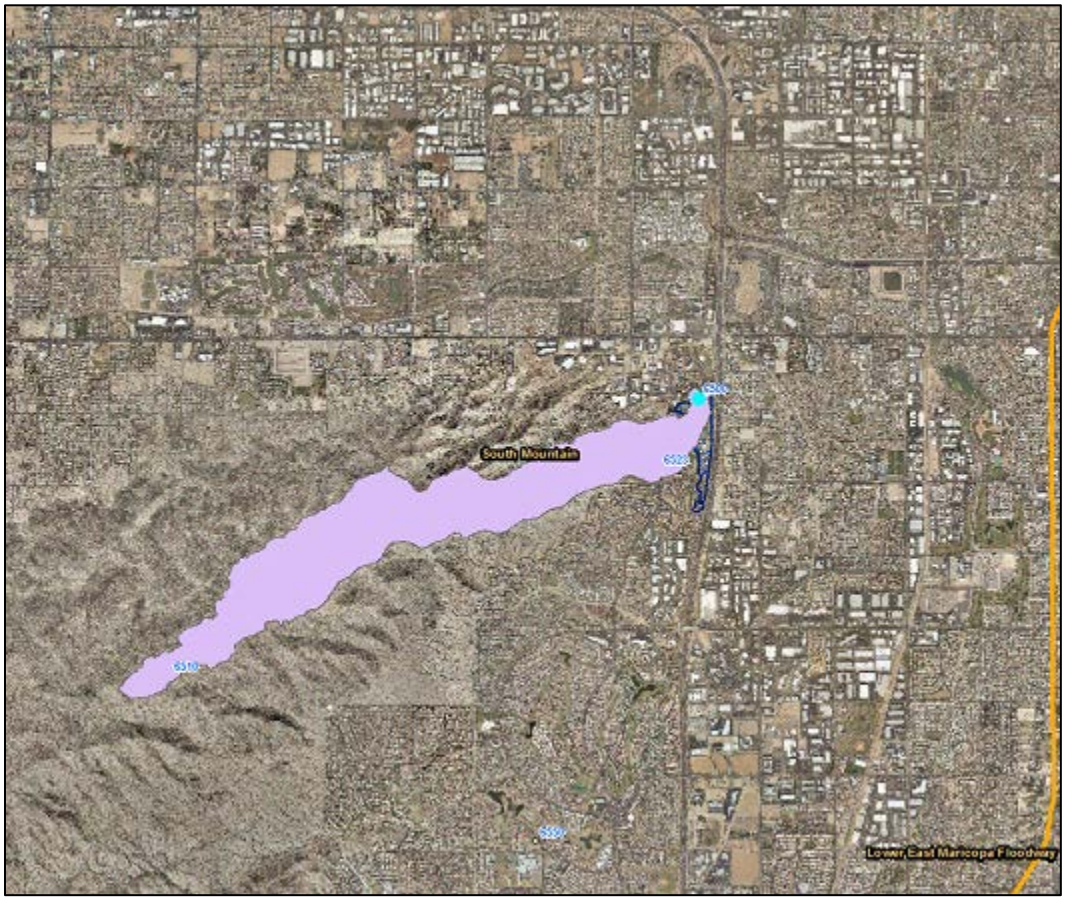
Guadalupe FRS, ID #68207

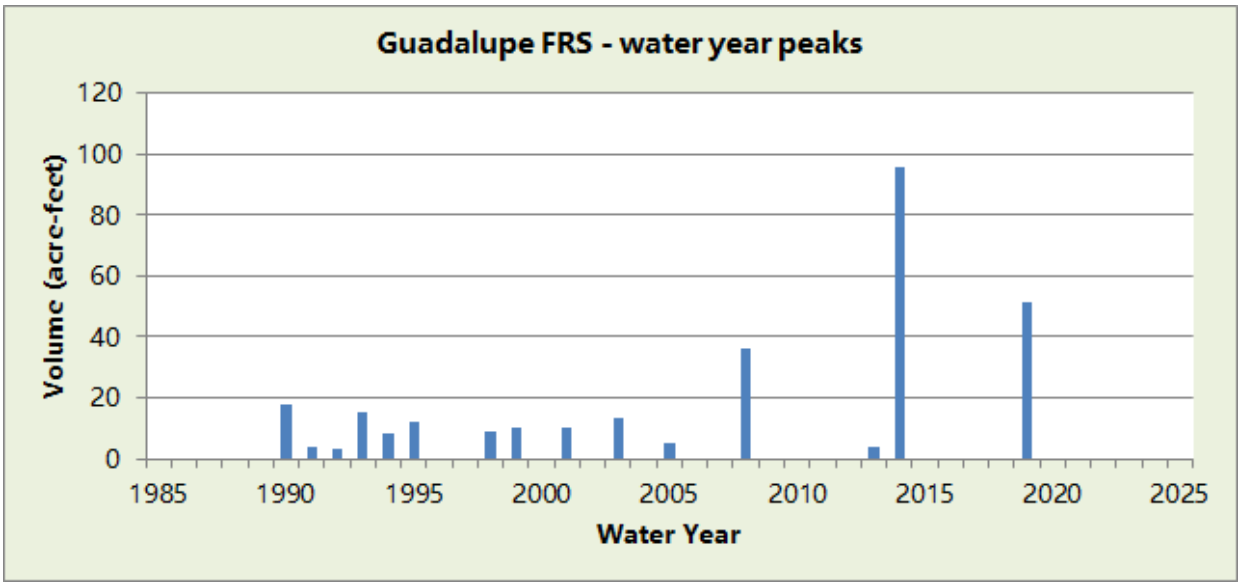


Site Data

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	32.26 Years | 11,782 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





WY2021 Events

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

Hydrograph of peak 2021 impoundment event,

No impoundments recorded in Water Year 2021.

Guadalupe FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Guadalupe FRS, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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		---			---		---		---			---
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 2021 MEAN 0 MAX 0 MIN 0

Guadalupe FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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 2021 MEAN 0.26 MAX 0.26 MIN 0.26

Harquahala FRS, ID #26007

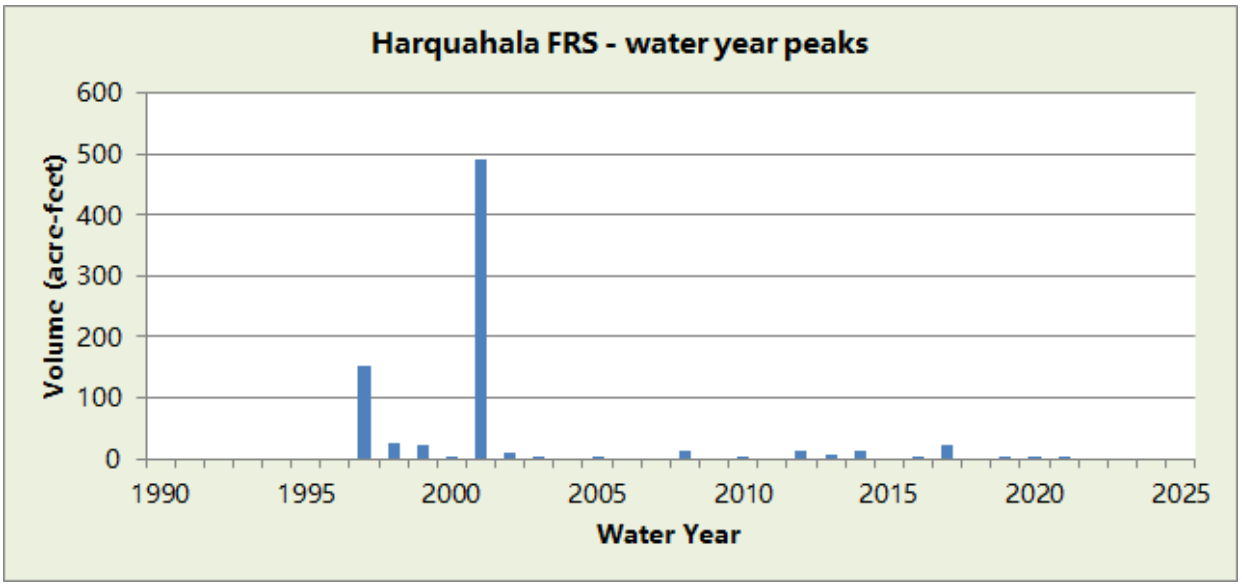


Site Data

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	27.59 Years | 10,076 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

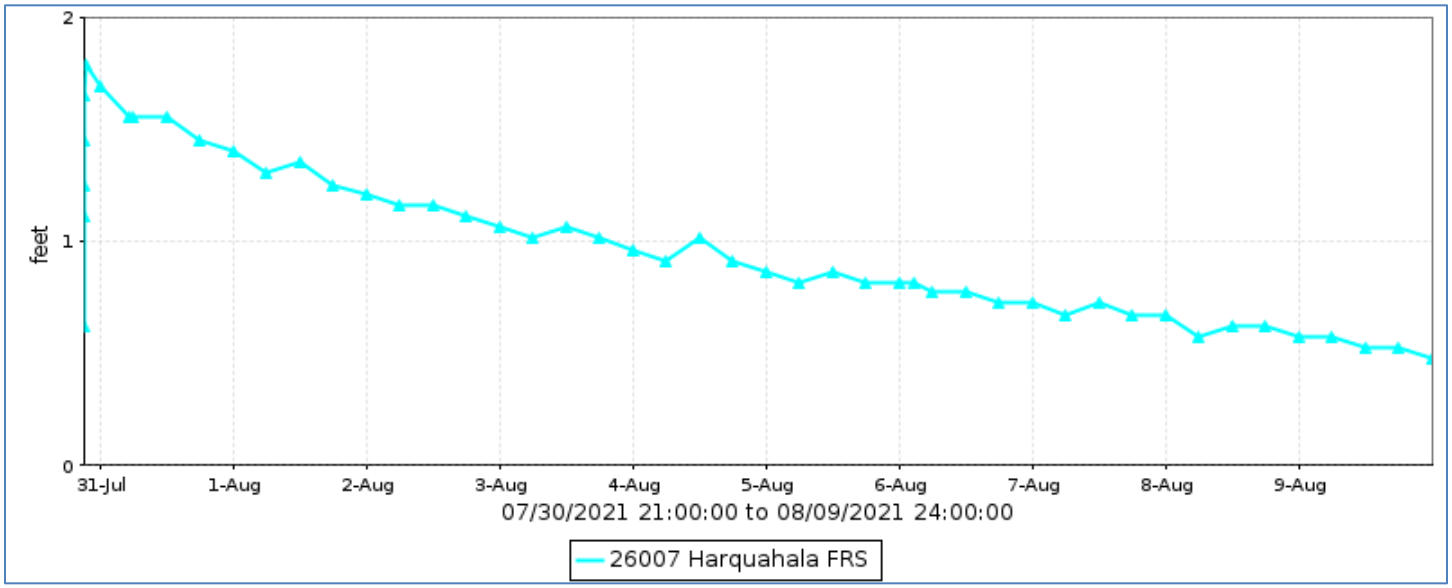




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/30/2021	1.79	0.1	0.0
08/11/2021	1.69	0.1	0.0
09/24/2021	1.50	0.0	0.0

Hydrograph of peak 2021 impoundment event, 07/30/2021



Harquahala FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Harquahala FRS, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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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15												
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19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	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 2021 MEAN 0 MAX 0 MIN 0

Harquahala FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	0.4
2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	0.4
3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0	0.4
4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.4
5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.4
6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.4
7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4
8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.4
9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4
10	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4
11	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4
12	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.4	0.4
13	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	0.4
14	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	0.4
15	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	0.4
16	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0	0.4
17	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.4
18	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.4
19	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.4
20	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4
21	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.4
22	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.4
23	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4
24	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
25	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
26	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0
27	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0
28	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
29	0.4	0.4	0.4	0.4	---	0.4	0.4	0.4	0.4	0.4	0.4	0.8
30	0.4	0.4	0.4	0.4	---	0.4	0.4	0.4	0.4	0.5	0.4	0.7
31	0.4	---	0.4	0.4	---	0.4	---	0.4	---	1.6	0.4	---
MEAN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.5
MAX	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.8	1.7	1.5
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 2021 MEAN 0.43 MAX 1.79 MIN 0.38

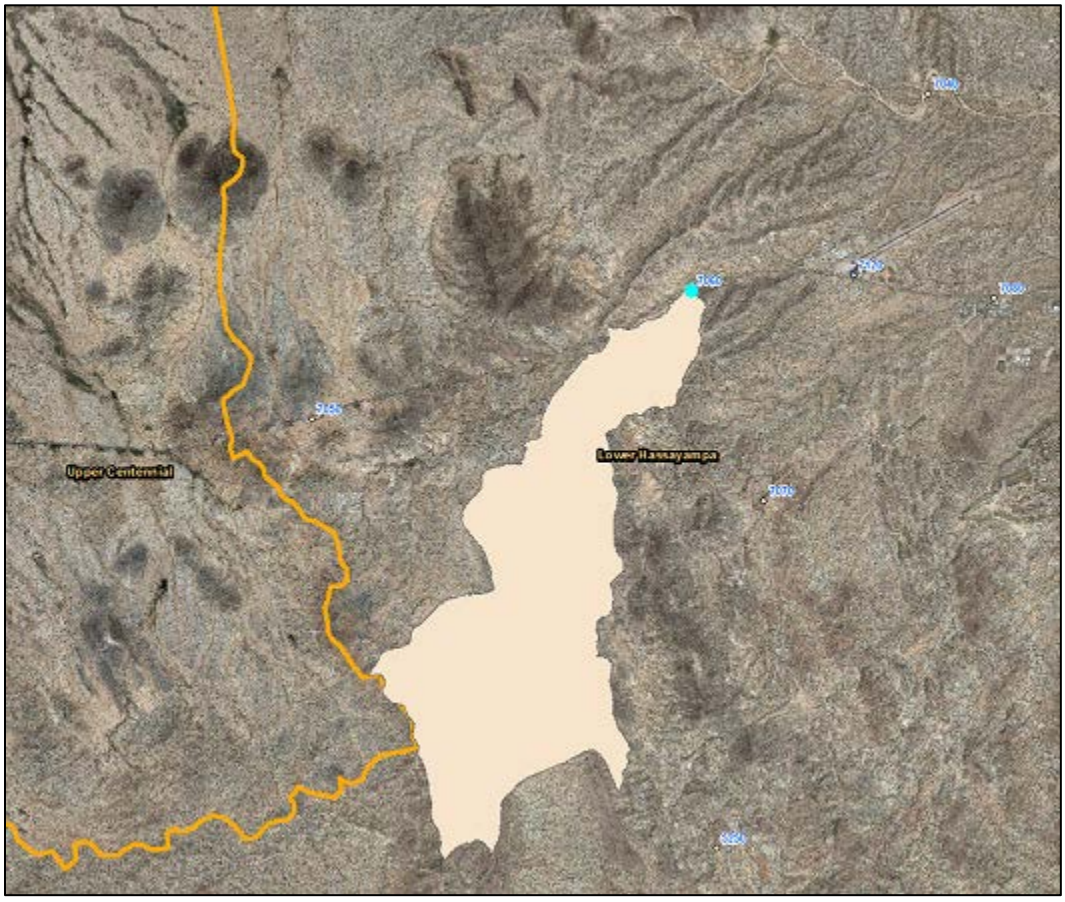
Hartman Wash, ID #51207

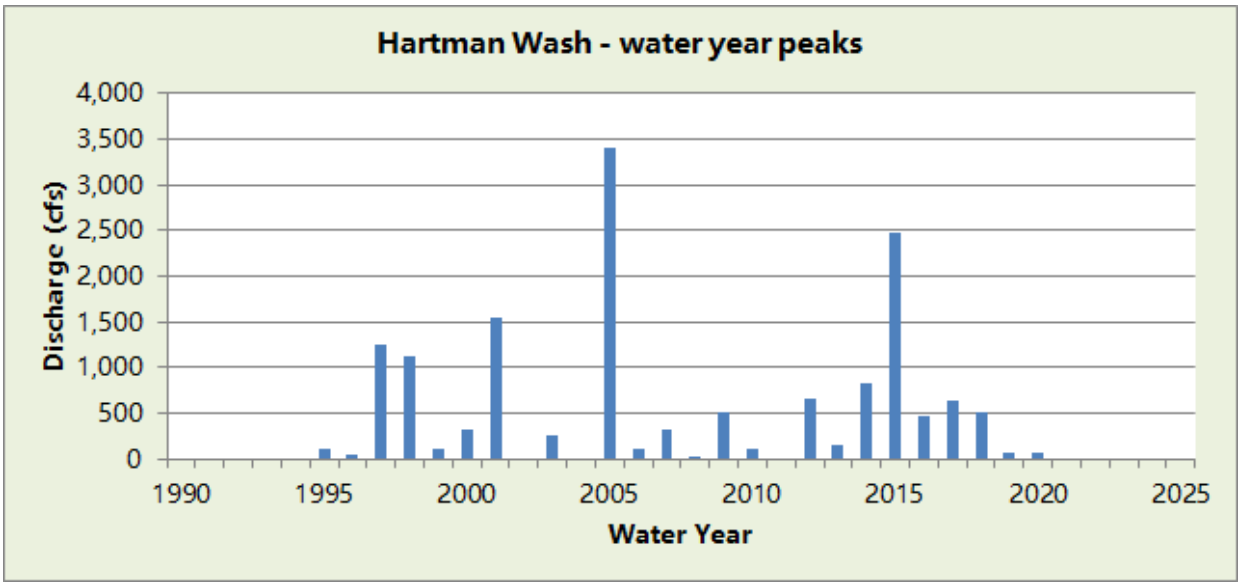


Site Data

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	27.24 Years | 9,949 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded during Water Year 2021.

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**
242	**949**	**1,710**	**2,620**	**3,990**	**5,110**

NOTE: These results are based on limited data.

Hartman Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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	6	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 TOTAL 0 MEAN 0 MAX 6 MIN 0 AC_FT 0

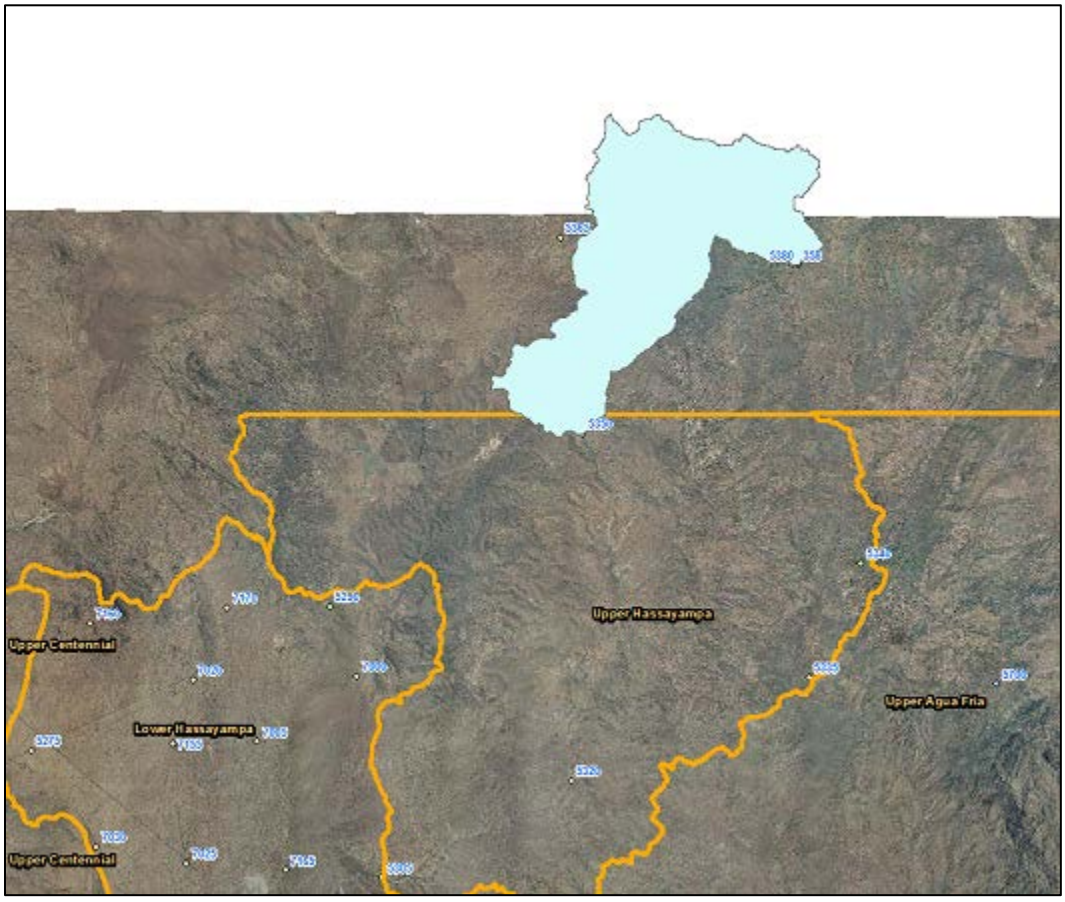
Hassayampa River at Wagoner, ID #54307

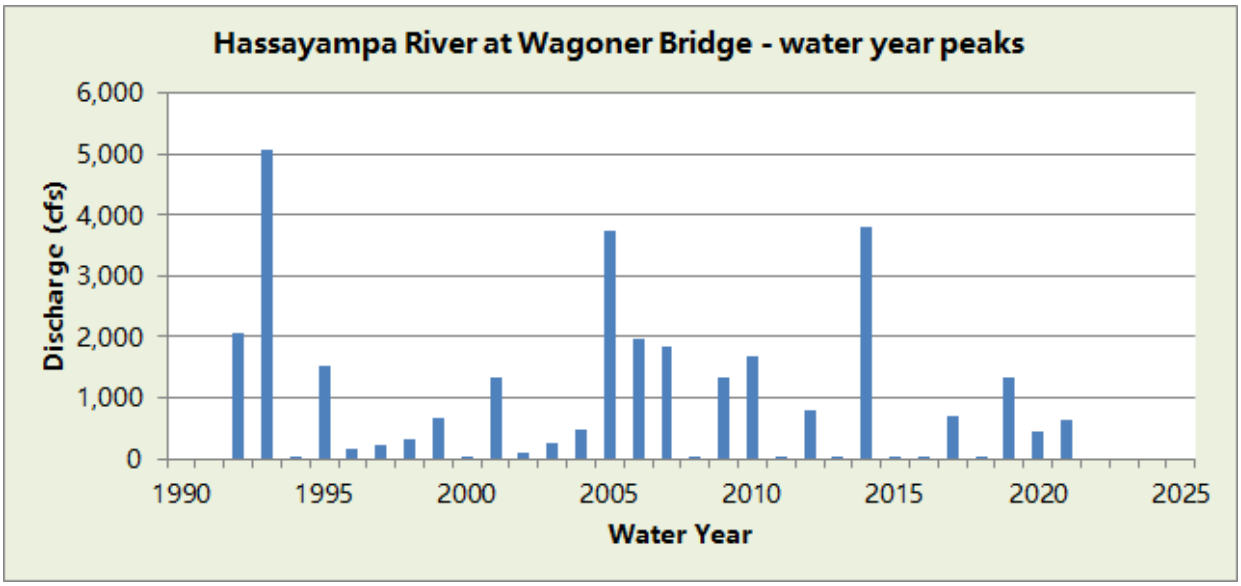


Site Data

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	29.85 Years | 10,901 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

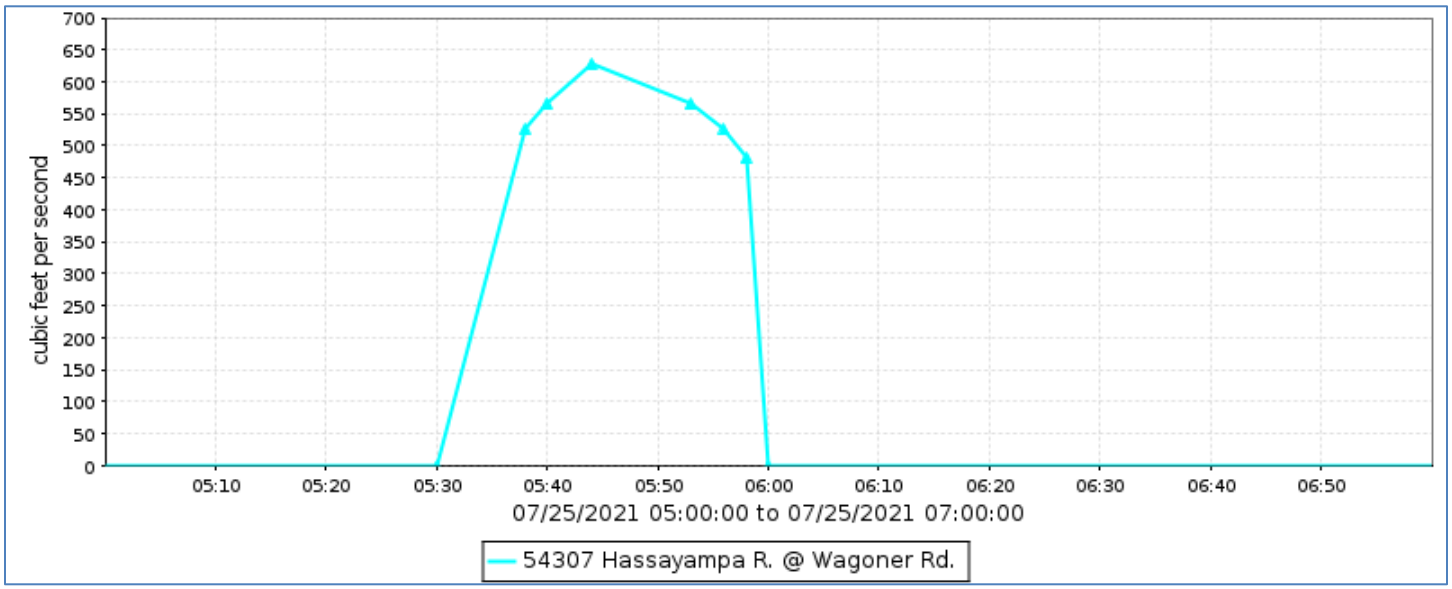




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/25/2021	2.76	629

Hydrograph of peak WY 2021 flow event, 07/25/2021



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**
427	**1,720**	**3,300**	**5,420**	**9,100**	**12,600**

NOTE: These results are based on limited data.

Hassayampa River at Wagoner, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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										9		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	9	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	629	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	17	0	0

WTR YR 2021 TOTAL 9 MEAN 0 MAX 629 MIN 0 AC_FT 17

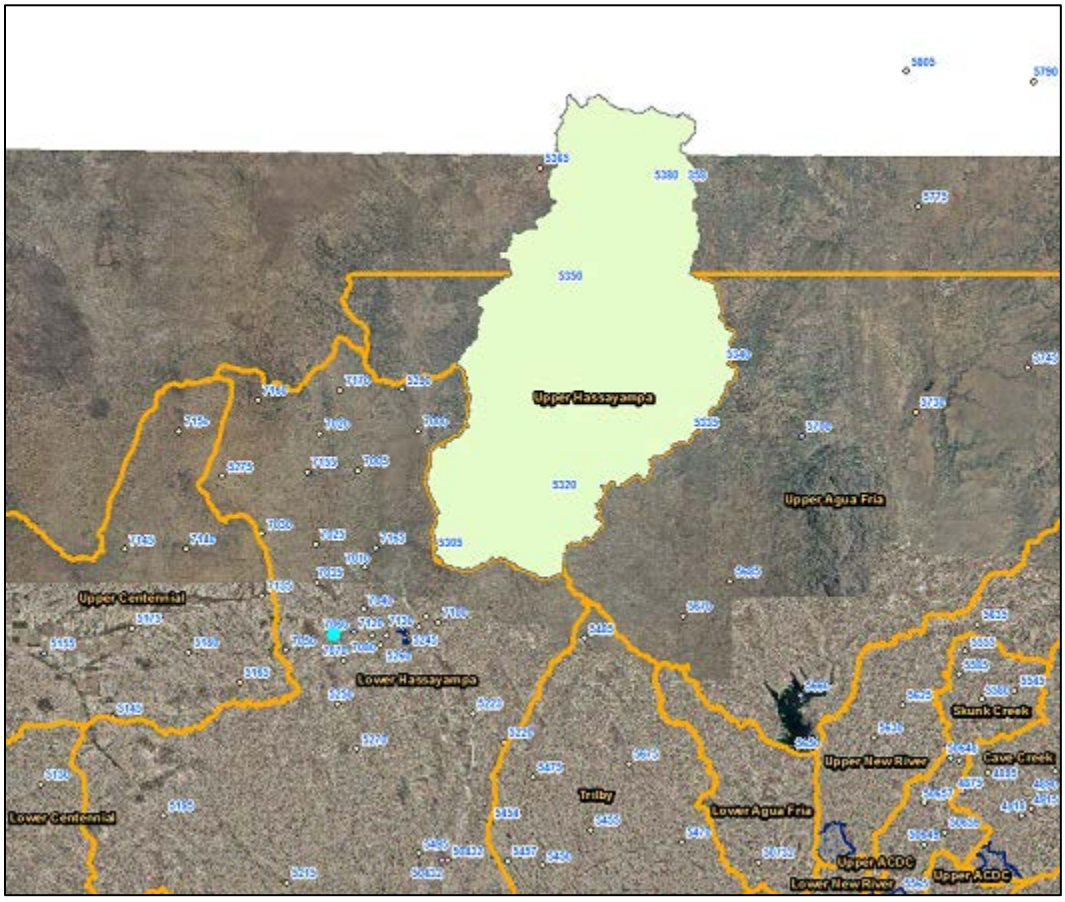
Hassayampa River at Box Canyon, ID #53507

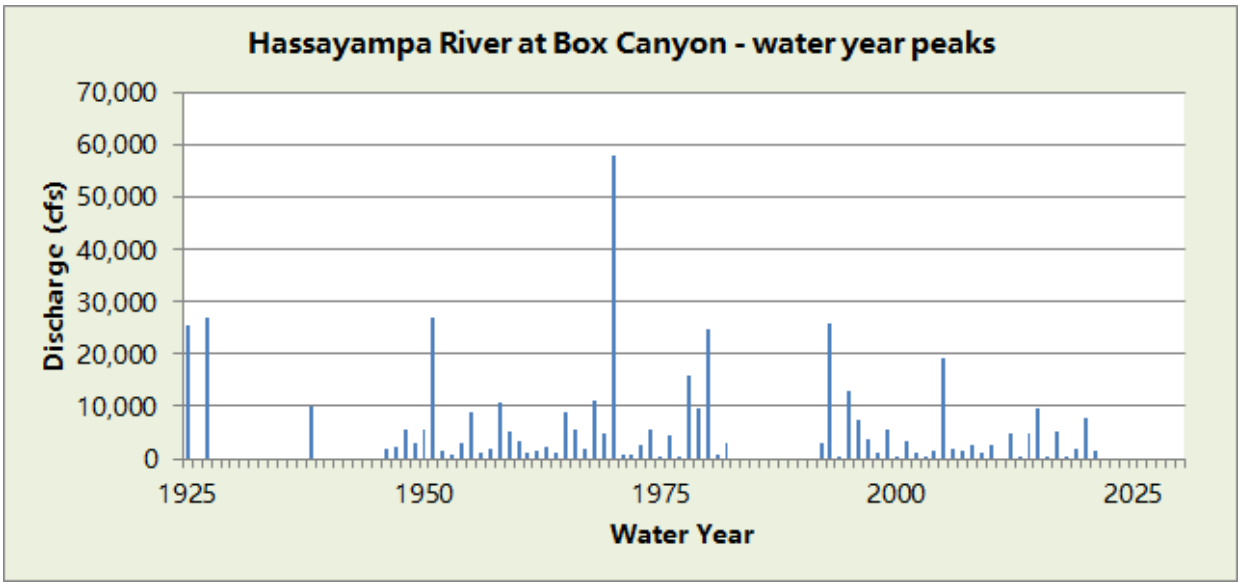


Site Data

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	29.96 Years | 10,943 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

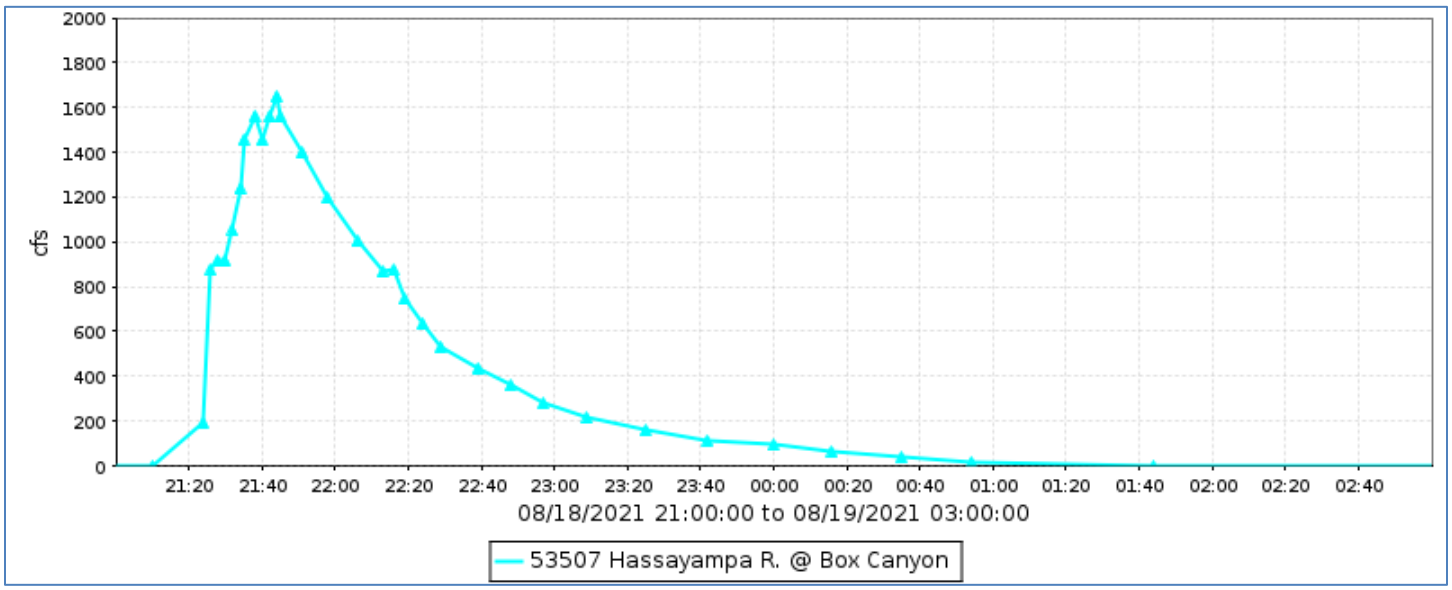




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/17/2021	5.40	1,004
07/20/2021	5.35	958
07/25/2021	3.98	127
08/18/2021	6.13	1,653

Hydrograph of peak WY 2021 flow event, 08/18/2021



Flood Flow Frequency

Flood Flow Frequency N=71, HEC-WRC computation (based on 71 years (discontinuous) of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
3,190	**9,830**	**17,000**	**26,200**	**41,600**	**56,000**

NOTE: These results are based on available data.

Hassayampa River at Box Canyon, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4								1				
5								1				
6								1				
7												
8												
9												
10												
11												
12								1				
13								1				
14								1				
15												
16												
17										10		
18											67	
19								1			3	
20										5		
21												
22												
23												
24												
25				---						3		
26				---								
27								1				
28								1				
29					---			1				
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	16	0	17	70	0
MEAN	0	0	0	0	0	0	0	1	0	1	2	0
MAX	0	0	0	0	0	0	0	8	0	1004	1653	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	31	0	35	139	0

WTR YR 2021 TOTAL 103 MEAN 0 MAX 1653 MIN 0 AC_FT 205

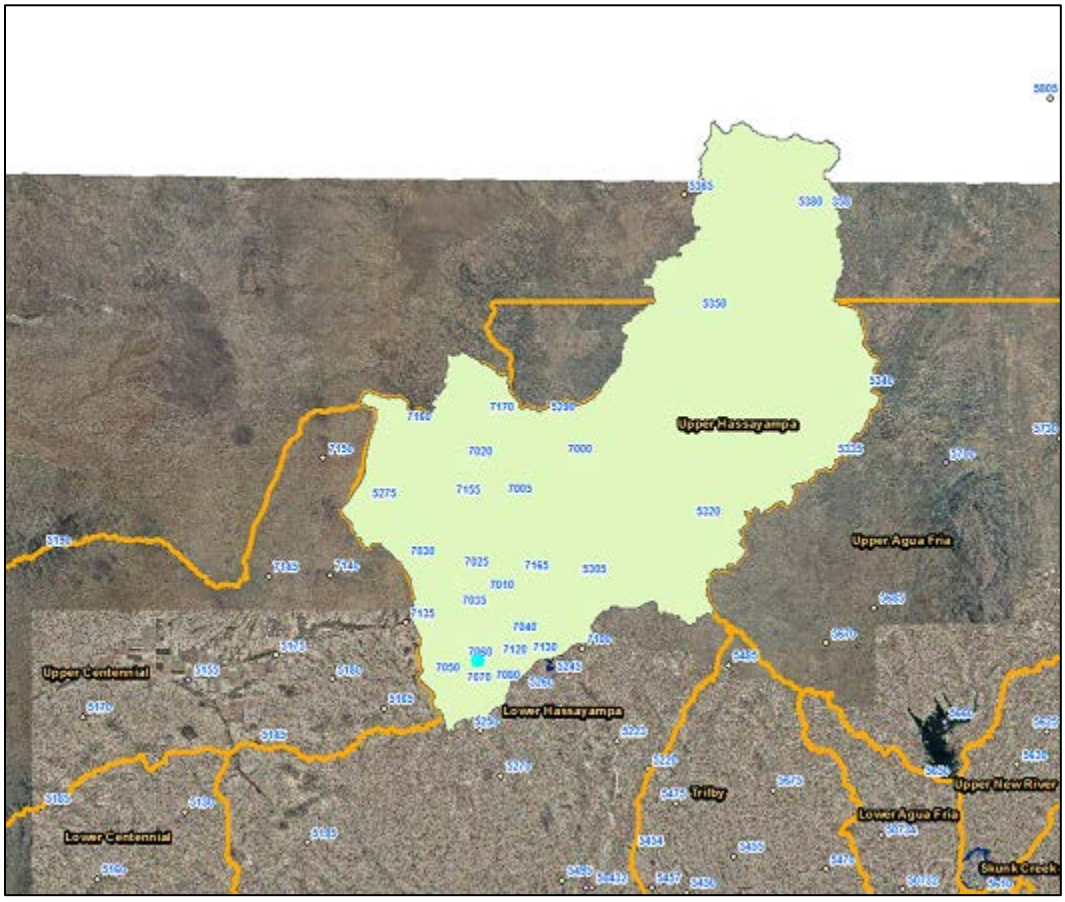
Hassayampa River at US60, ID #45707

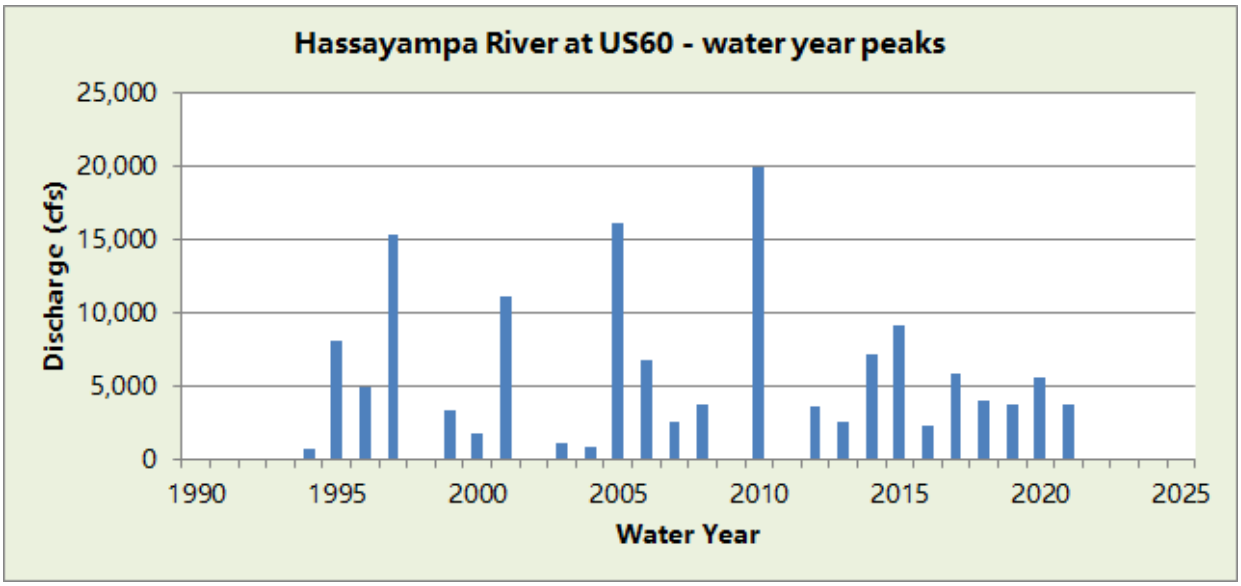


Site Data

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	27.55 Years | 10,063 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

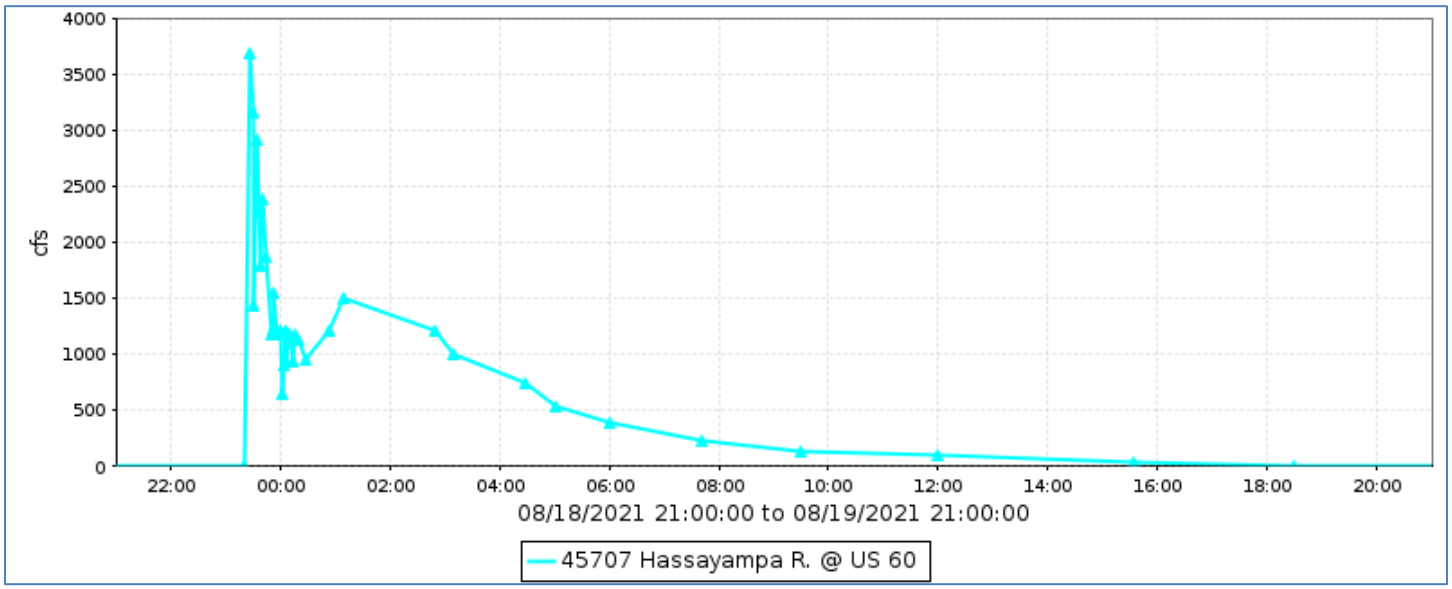




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/17/2021	1.65	1,276
07/20/2021	2.09	2,374
07/21/2021	1.77	1,546
07/22/2021	1.02	220
07/23/2021	0.95	158
07/25/2021	2.14	2,517
08/11/2021	1.53	1,044
08/18/2021	2.47	3,683

Hydrograph of peak WY 2021 flow event, 08/18/2021



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4											1	
5											1	
6												
7											1	
8											1	
9												
10												
11											67	
12												
13												
14												
15												
16												
17										237		
18											48	
19											336	
20										201		
21										235		
22										32		
23										71		
24												
25				---						579		
26				---								
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	1	0	0	0	0	0	0	1	0	1355	454	0
MEAN	0	0	0	0	0	0	0	0	0	44	15	0
MAX	1	0	0	0	0	0	1	1	0	2517	3683	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2	0	0	0	0	0	1	1	0	2687	901	0

WTR YR 2021 TOTAL 1811 MEAN 5 MAX 3683 MIN 0 AC_FT 3591

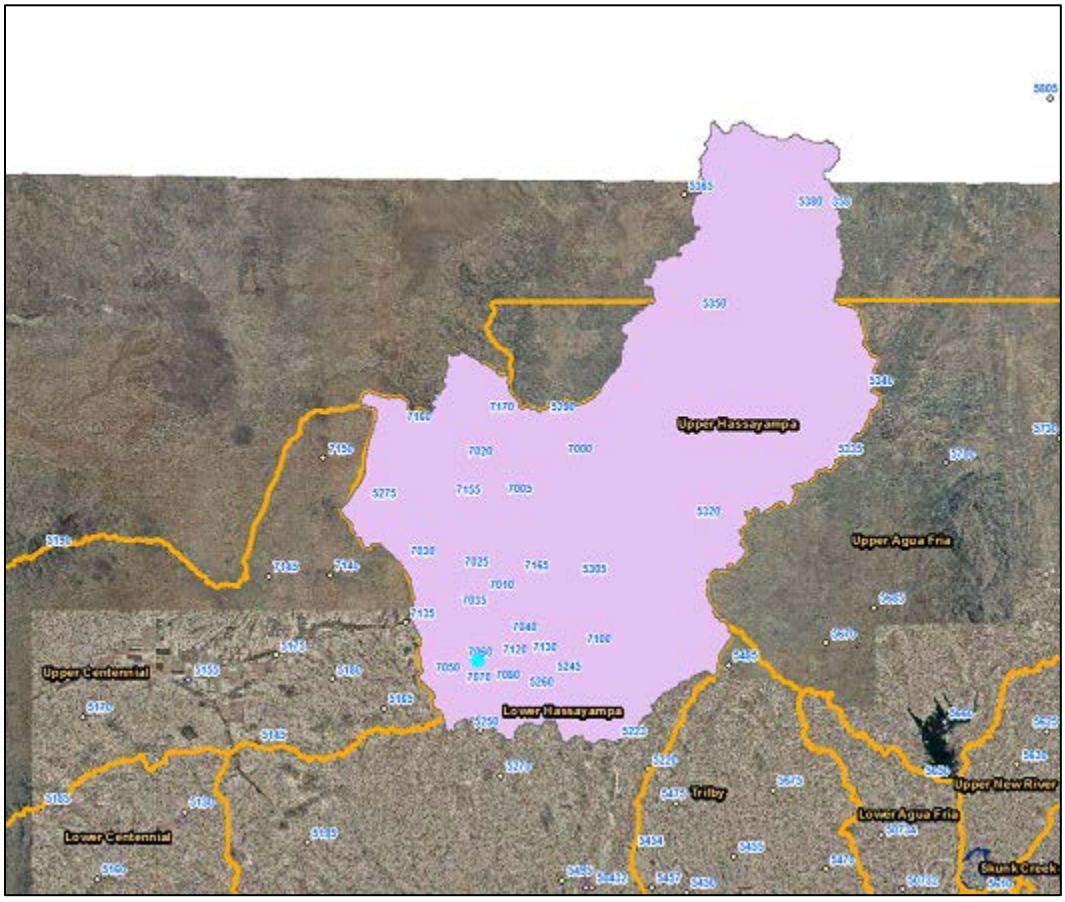
Hassayampa River near Morristown, ID #45507

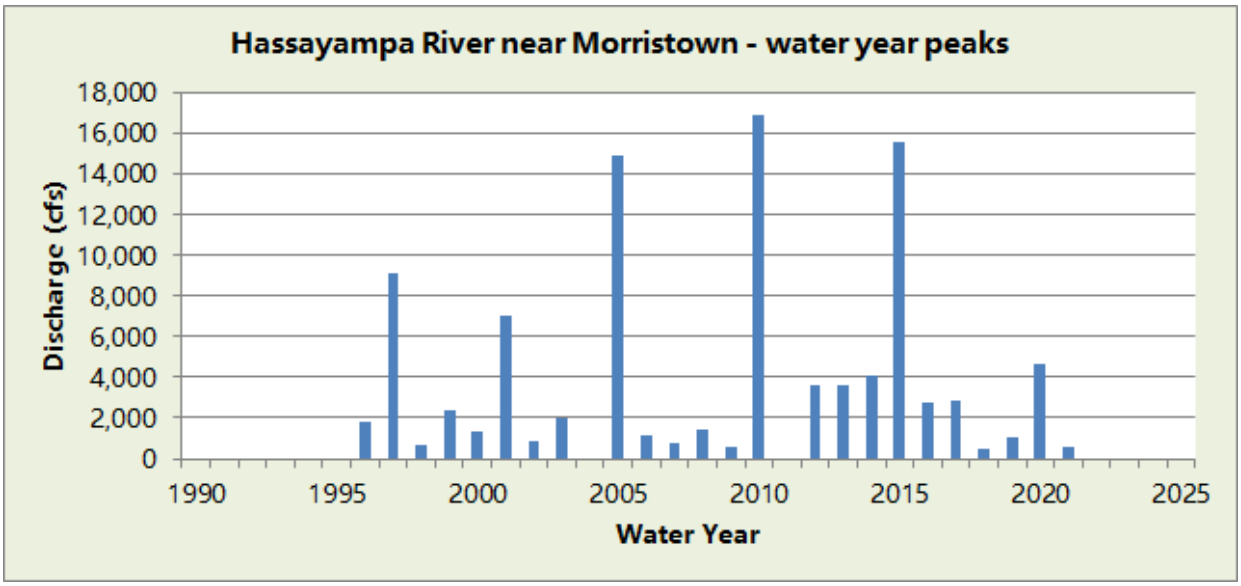


Site Data

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	25.40 Years | 9,278 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

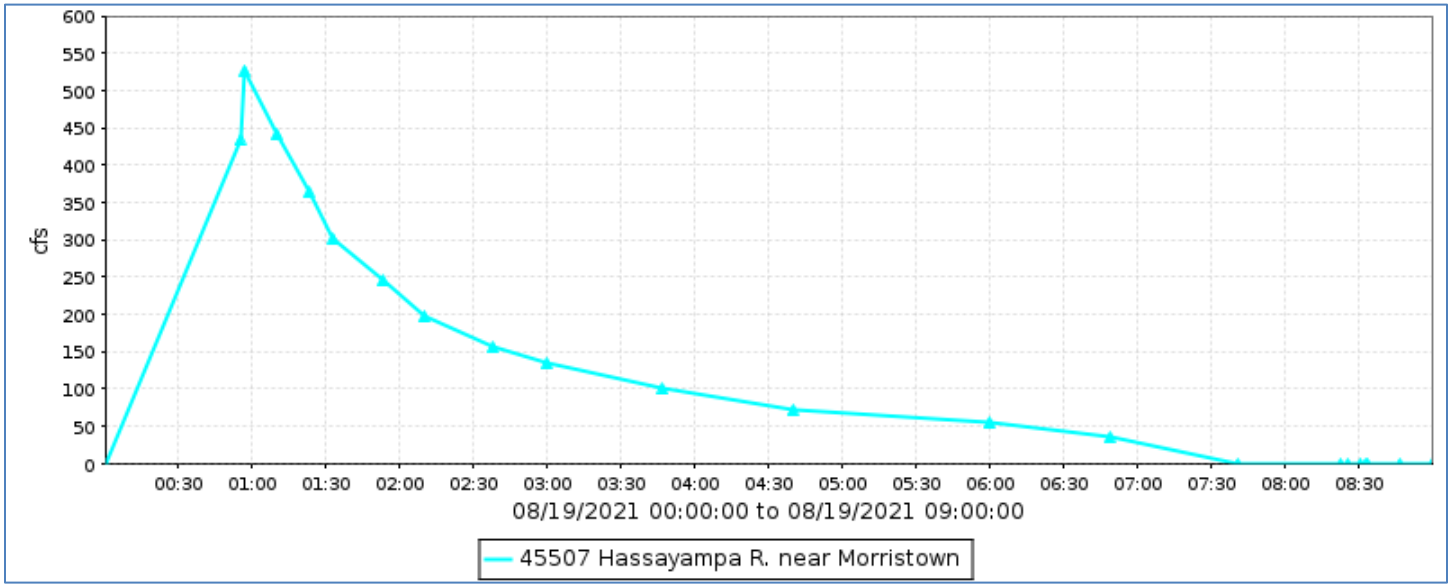




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/26/2021	7.72	116
08/19/2021	8.47	527
09/03/2021	7.60	81

Hydrograph of peak WY 2021 flow event, 08/19/2021



Flood Flow Frequency

Flood Flow Frequency N=68, HEC-WRC computation (based on 68 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
2,840	**8,960**	**14,700**	**21,000**	**29,900**	**36,800**

NOTE: These results are based on available data.

Hassayampa River near Morristown, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												3
4												
5												
6											---	
7												
8												
9												
10												
11												
12												
13									---			
14									---	---		
15												
16												
17												
18												
19											40	
20										2		
21										94		
22										1		
23												
24												
25										33		
26										89		
27										40		
28										---		
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	271	40	3
MEAN	0	0	0	0	0	0	0	0	0	9	1	0
MAX	0	0	0	0	0	0	0	0	0	116	527	81
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	538	80	6

WTR YR 2021 TOTAL 314 MEAN 1 MAX 527 MIN 0 AC_FT 623

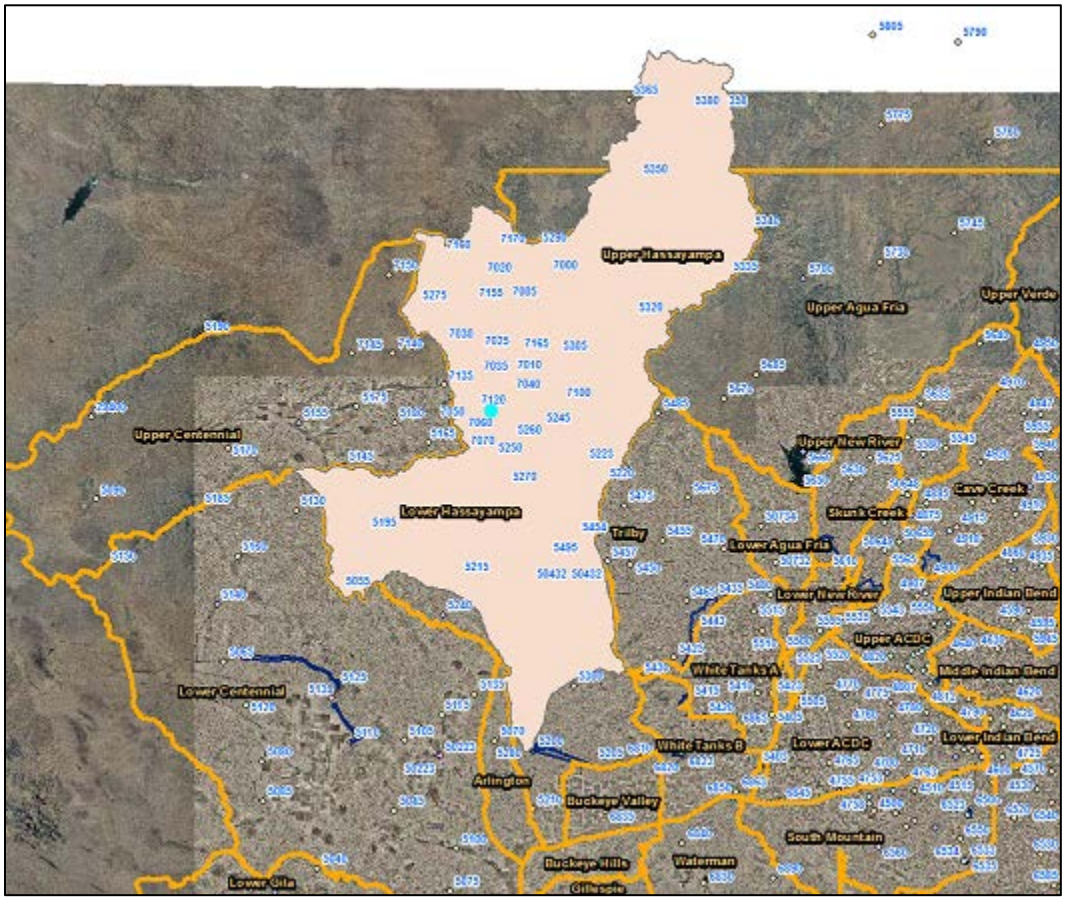
Hassayampa River at I-10, ID #48007

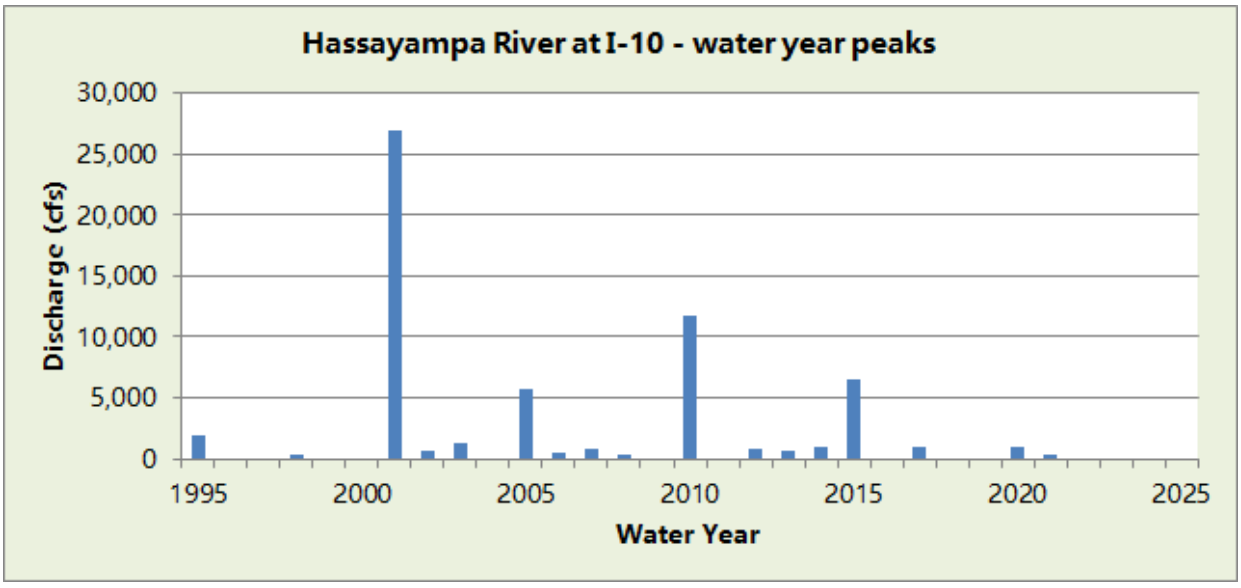


Site Data

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	26.89 Years | 9,823 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

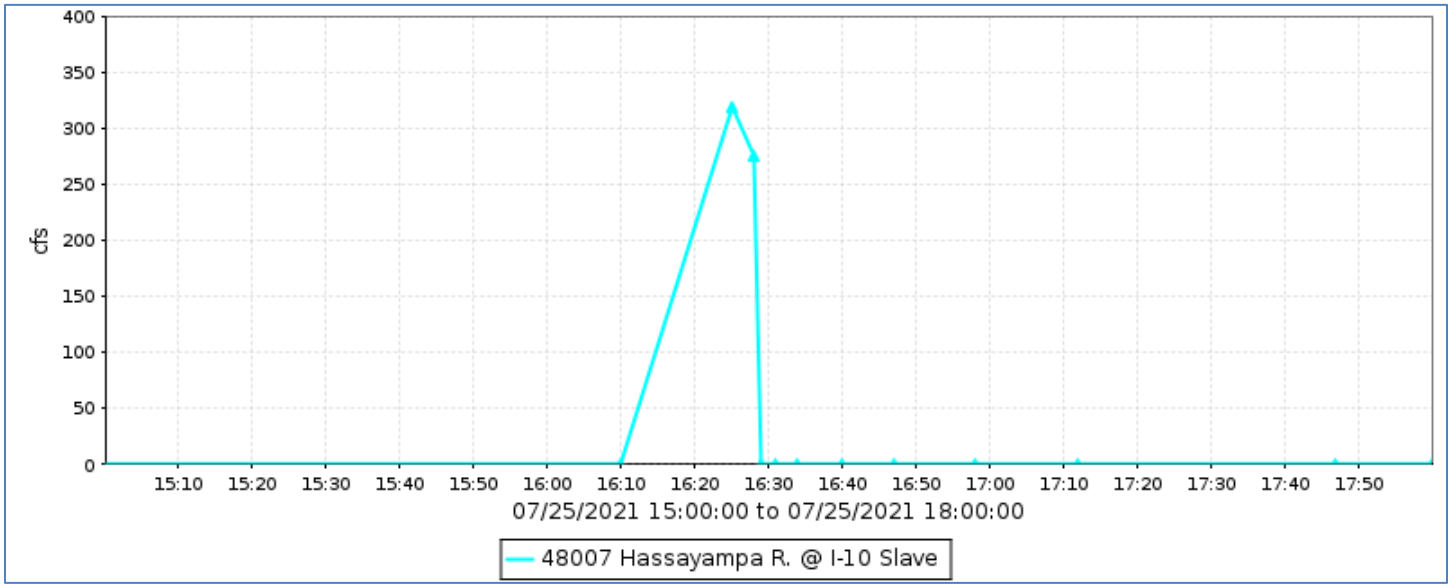




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/25/2021	1.98	319

Hydrograph of peak WY 2021 flow event, 07/25/2021



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**
393	**2,110**	**5,070**	**10,500**	**23,700**	**40,900**

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 2020 to September 2021

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										1		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	319	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	2	0	0

WTR YR 2021 TOTAL 1 MEAN 0 MAX 319 MIN 0 AC_FT 2

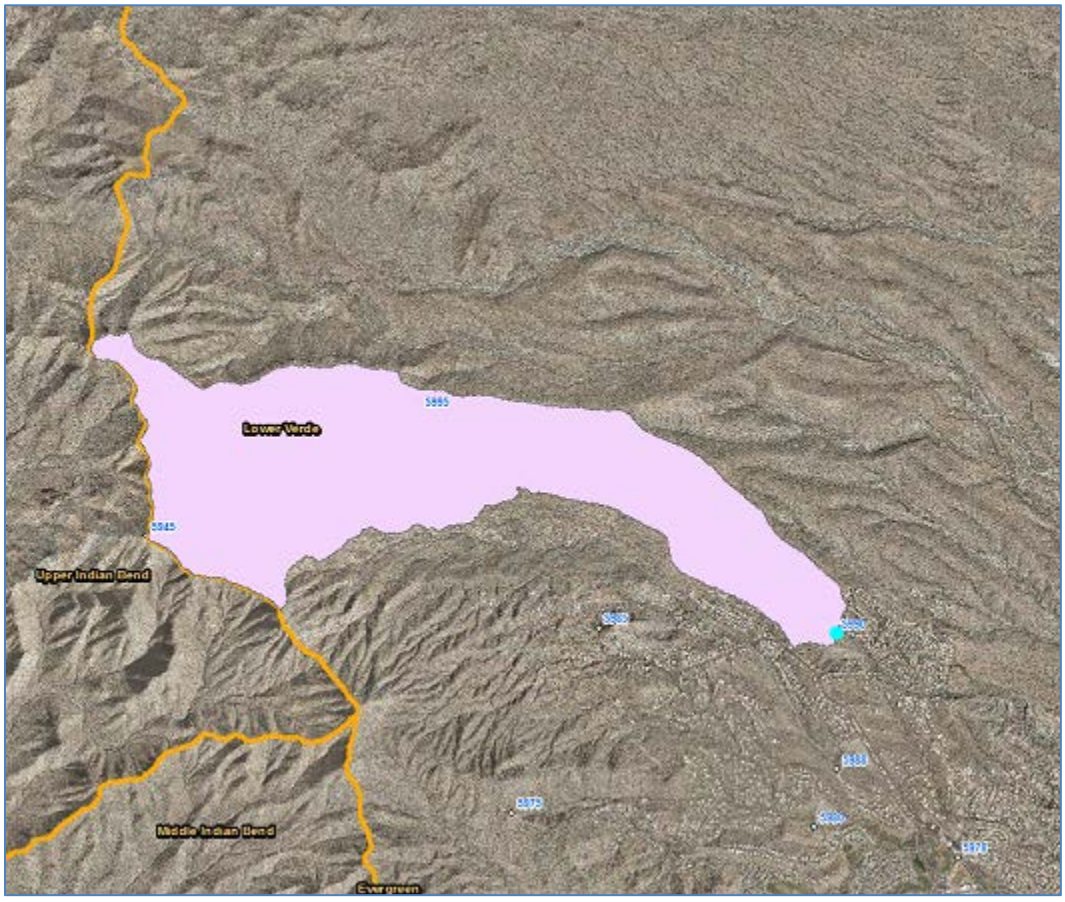
Hesperus Dam, ID #79007

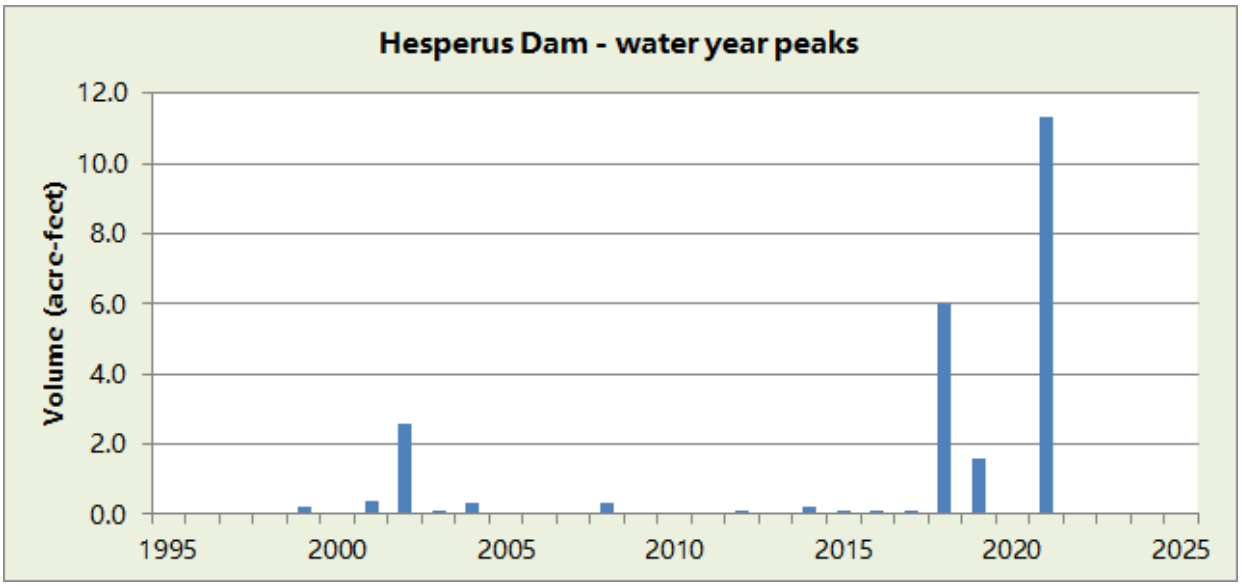


Site Data

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	24.79 Years | 9,053 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

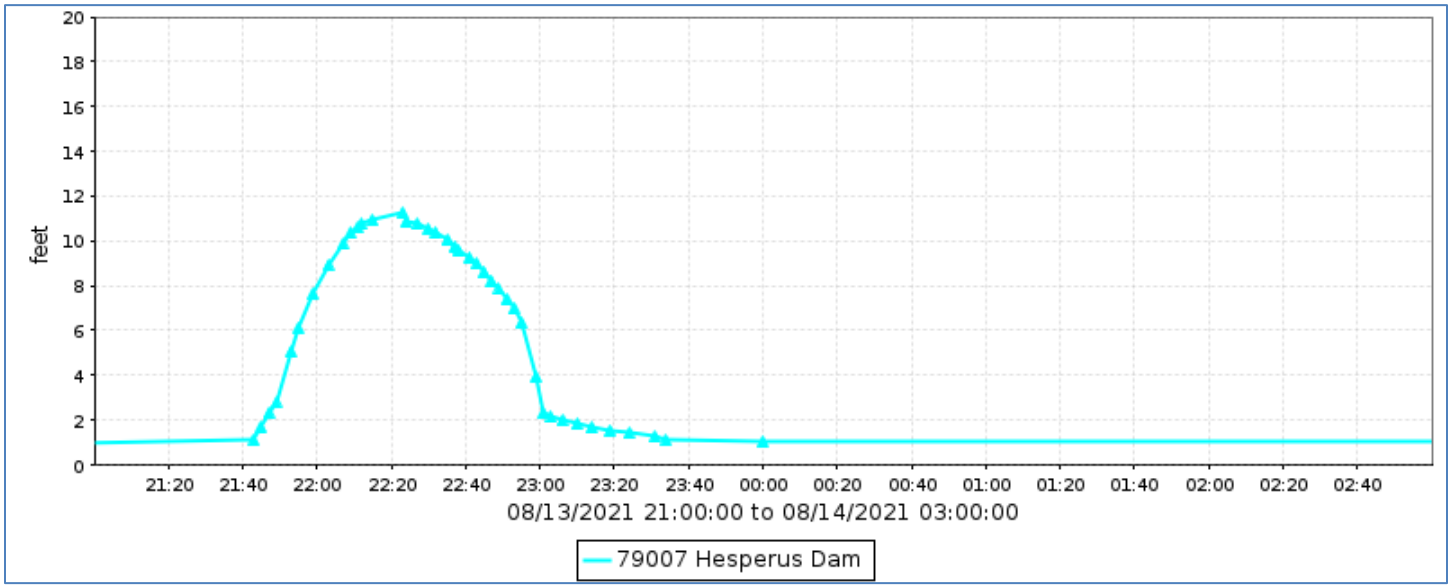




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/23/2021	3.56	0.4	0.2
08/11/2021	3.27	0.3	0.2
08/13/2021	11.28	11.3	4.1

Hydrograph of peak 2021 impoundment event, 08/13/2021



Hesperus Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11											5	
12												
13											10	
14											6	
15												
16												
17												
18												
19												
20												
21												
22												
23										2		
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	2	21	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	94	202	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	5	42	0

WTR YR 2021 TOTAL 24 MEAN 0 MAX 202 MIN 0 AC_FT 47

Hesperus Dam, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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	11	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 11 MIN 0

Hesperus Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.9	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	1.2	0.8
14	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	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	0.9	0.8	0.8
24	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
25	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
26	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
27	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
28	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
29	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31	0.8	---	0.8	0.8	---	0.8	---	0.8	---	0.8	0.8	---
MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
MAX	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	3.6	11.3	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 2021 MEAN 0.79 MAX 11.28 MIN 0.79

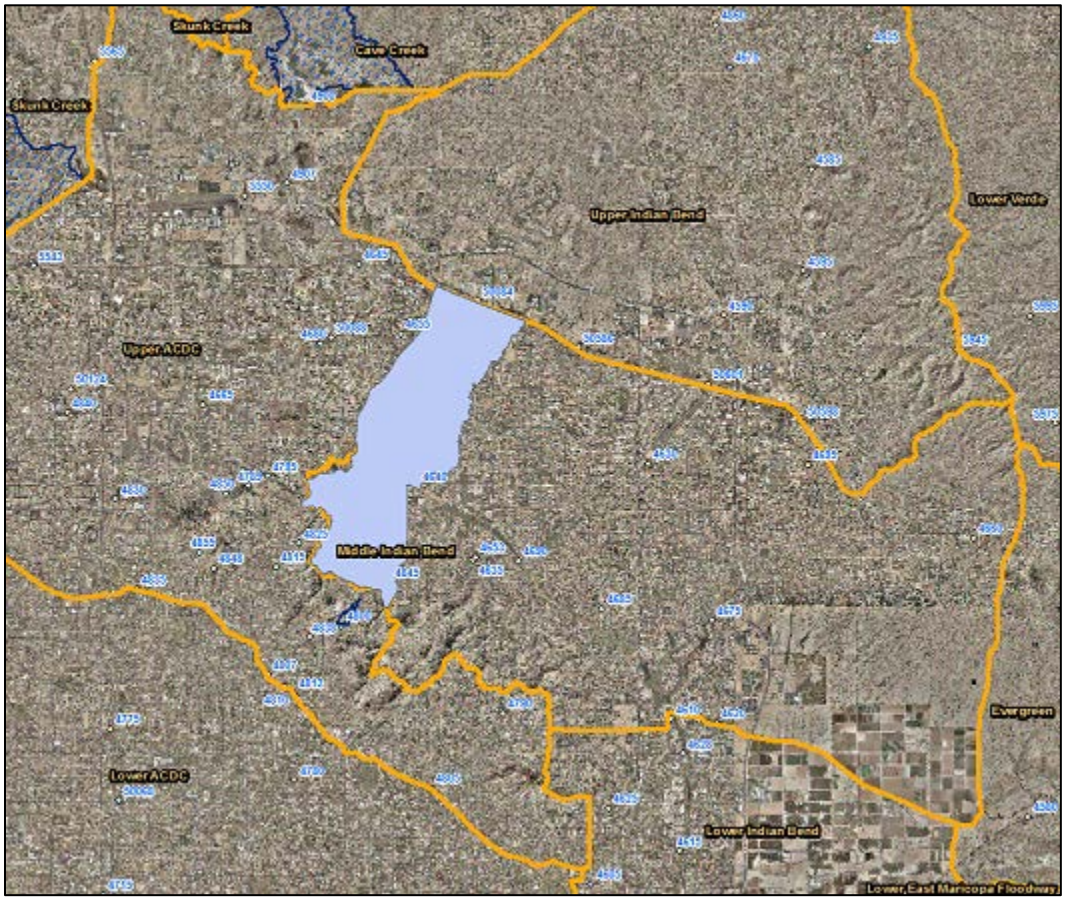
Indian Bend Wash at Sweetwater Avenue – ID #58307

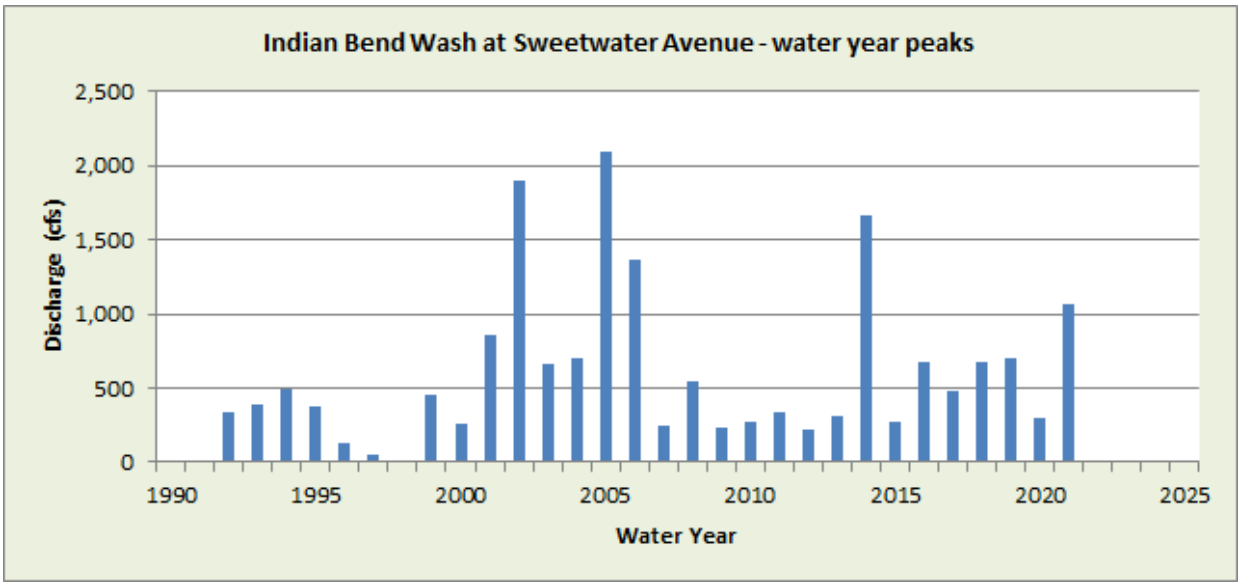


Site Data

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	29.51 Years | 10,780 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

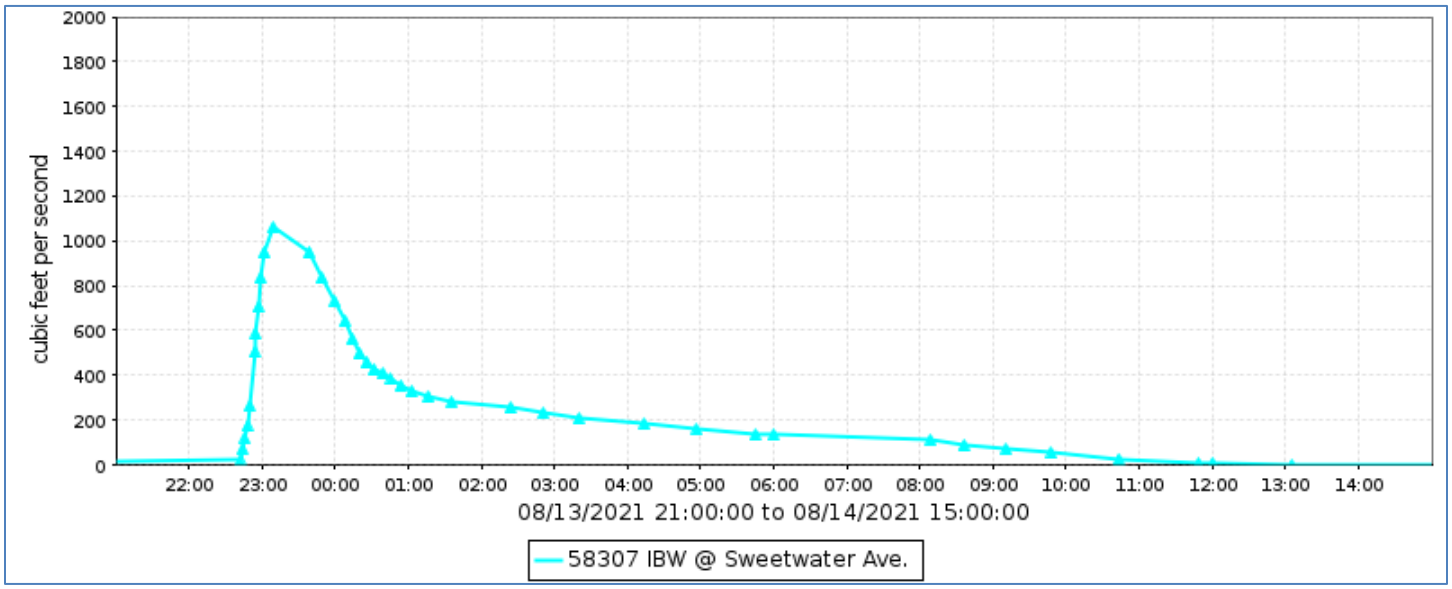




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
12/10/2020	0.92	117
01/25/2021	1.32	183
07/02/2021	0.29	27
07/03/2021	0.44	51
07/13/2021	0.29	27
07/14/2021	1.41	198
07/23/2021	1.81	272
07/23/2021	1.51	215
07/25/2021	1.90	281
07/31/2021	0.44	51
08/11/2021	0.88	111
08/13/2021	3.95	1,059
08/17/2021	1.02	133
08/18/2021	1.90	281
09/26/2021	0.63	76

Hydrograph of peak WY 2021 flow event, 08/13/2021



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

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**
453	**889**	**1,240**	**1,620**	**2,180**	**2,630**
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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2										3	1	
3										3		
4										7		
5												
6												
7												
8												
9												
10			21									
11											17	
12											5	
13										3	45	
14										15	89	
15												
16												
17											28	
18											61	
19											1	
20												
21												
22												
23										102		
24										14		
25				36						29		
26				9								16
27												1
28												
29					---					1		
30					---							
31		---			---		---		---	6		---
TOTAL	0	0	21	45	0	0	0	0	0	183	247	17
MEAN	0	0	1	1	0	0	0	0	0	6	8	1
MAX	0	0	117	183	0	0	1	0	0	281	1059	76
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	41	89	0	0	1	0	0	363	490	33

WTR YR 2021 TOTAL 513 MEAN 1 MAX 1059 MIN 0 AC_FT 1017

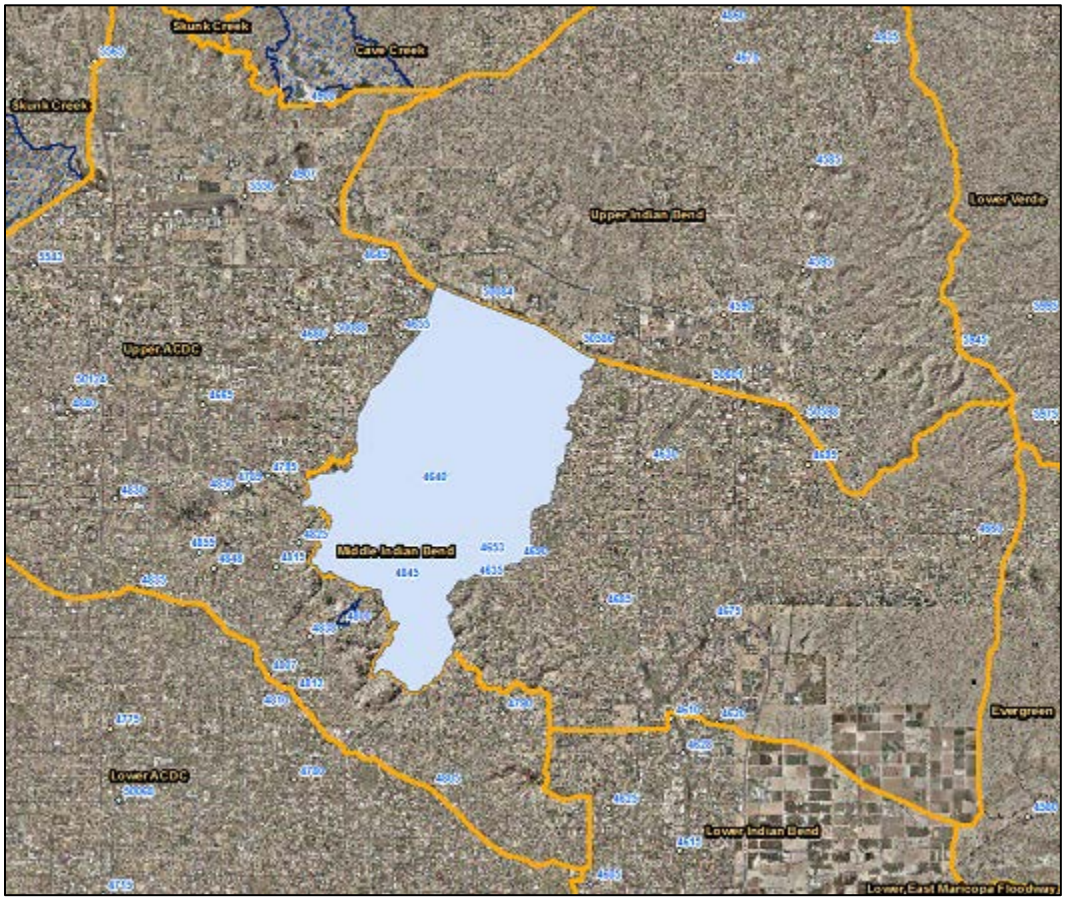
Indian Bend Wash at Shea Boulevard, ID #59507

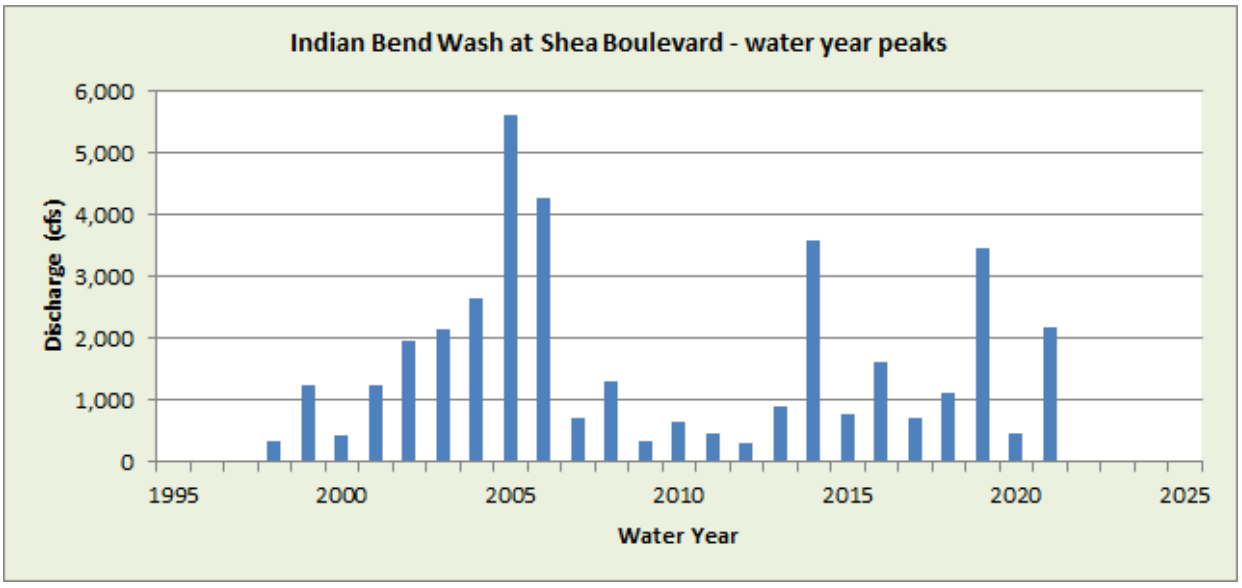


Site Data

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	23.31 Years | 8,515 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

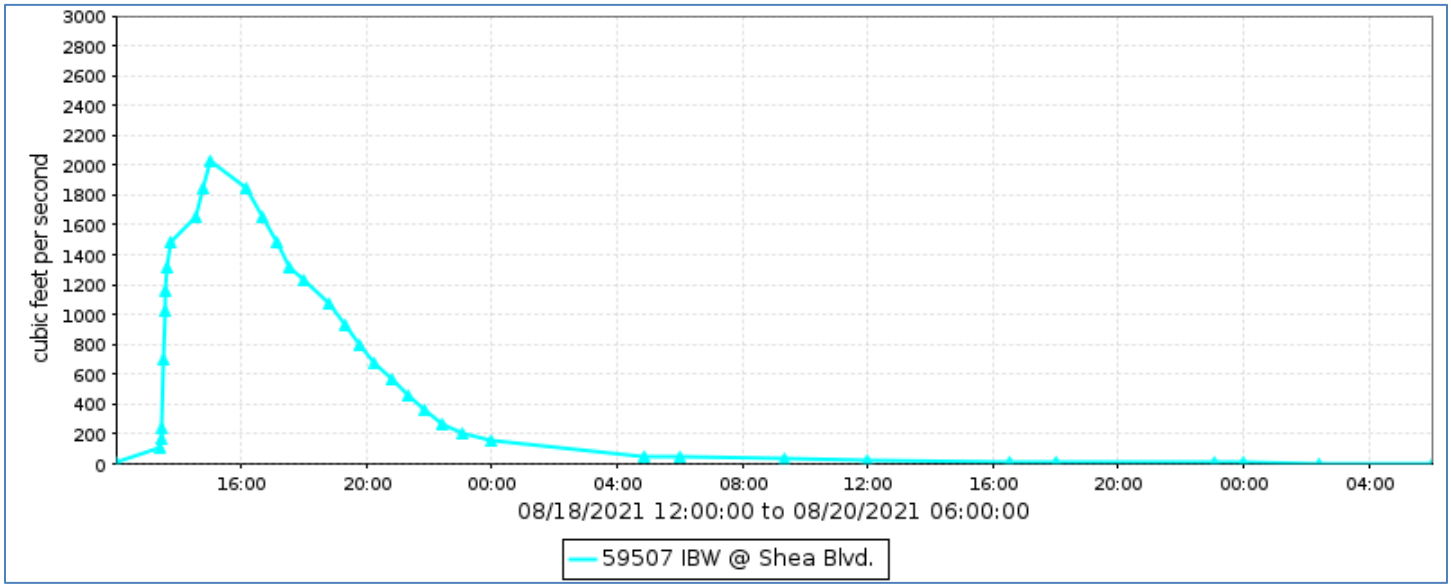




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
12/10/2020	1.24	146
12/10/2020	1.19	121
01/23/2021	1.07	73
01/24/2021	1.14	100
01/25/2021	1.34	205
01/25/2021	1.22	136
01/29/2021	1.12	92
03/12/2021	1.14	100
07/03/2021	1.30	180
07/10/2021	1.20	126
07/14/2021	1.58	359
07/16/2021	1.05	67
07/16/2021	1.18	117
07/23/2021	2.45	1,226
07/24/2021	1.90	626
07/25/2021	1.80	535
07/31/2021	1.18	117
08/10/2021	1.00	53
08/11/2021	1.15	104
08/11/2021	1.65	414
08/13/2021	2.60	1,425
08/14/2021	3.12	2,192
08/17/2021	1.73	476
08/17/2021	2.57	1,386
08/18/2021	3.02	2,031
09/01/2021	1.20	126
09/18/2021	0.65	13
09/26/2021	1.03	61

Hydrograph of peak WY 2021 flow event, 08/18/2021



Flood Flow Frequency

Flood Flow Frequency N=35, HEC-WRC computation (based on 35 years of data, USGS and FCDMC data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,150	**2,430**	**3,410**	**4,400**	**5,700**	**6,670**

NOTE: These results are based on limited data.

Indian Bend Wash at Shea Boulevard, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												25
2												5
3										20		1
4										69		
5												
6												
7												
8						2						
9												
10			73							11	15	
11			37							7	53	
12			4			18					29	
13										22	81	
14										133	576	
15										19	14	
16										18	2	
17										6	212	
18											479	1
19										1	51	
20										4	1	
21												
22										4		
23				11					8	505		
24				37					1	213		
25				77						120		
26				70						11		22
27				14								8
28												
29				14	---							
30				34	---					3		
31		---		3	---		---		---	14	3	---
TOTAL	0	0	113	262	0	20	0	0	9	1178	1513	63
MEAN	0	0	4	8	0	1	0	0	0	38	49	2
MAX	0	0	146	205	0	100	0	0	22	1226	2192	77
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	224	519	0	40	0	0	17	2336	3001	125

WTR YR 2021 TOTAL 3157 MEAN 9 MAX 2192 MIN 0 AC_FT 6262

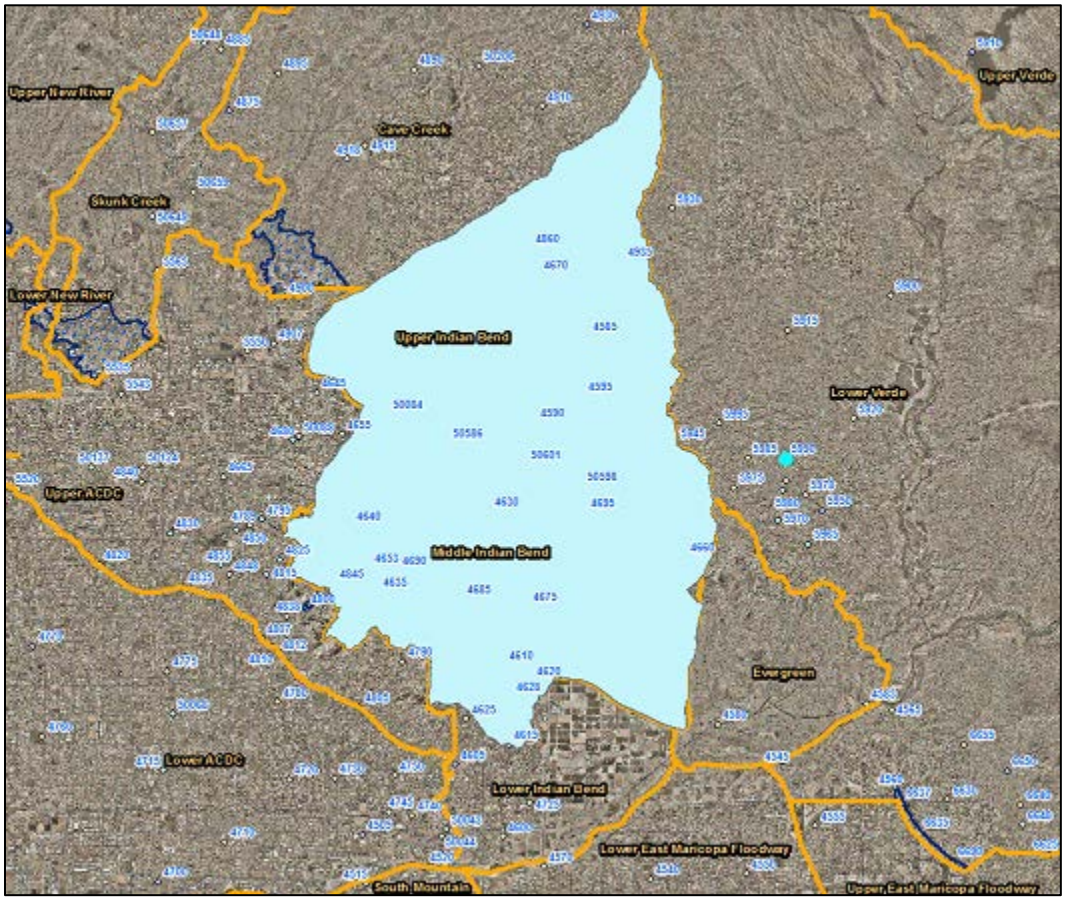
Indian Bend Wash near Indian Bend Road – ID #56307

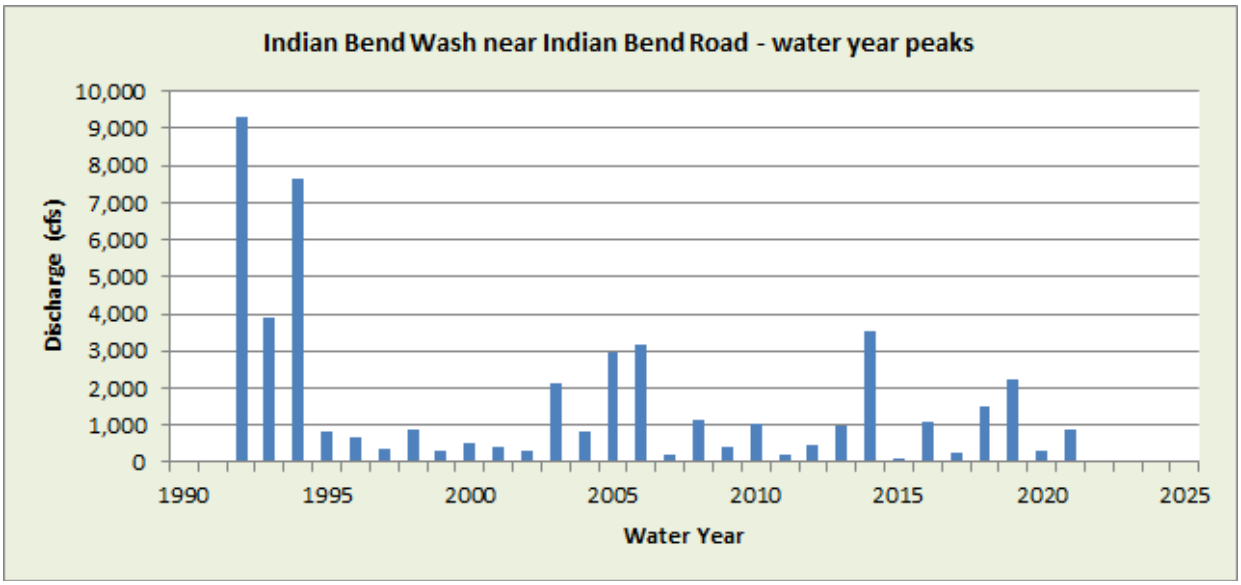


Site Data

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	29.51 Years | 10,780 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

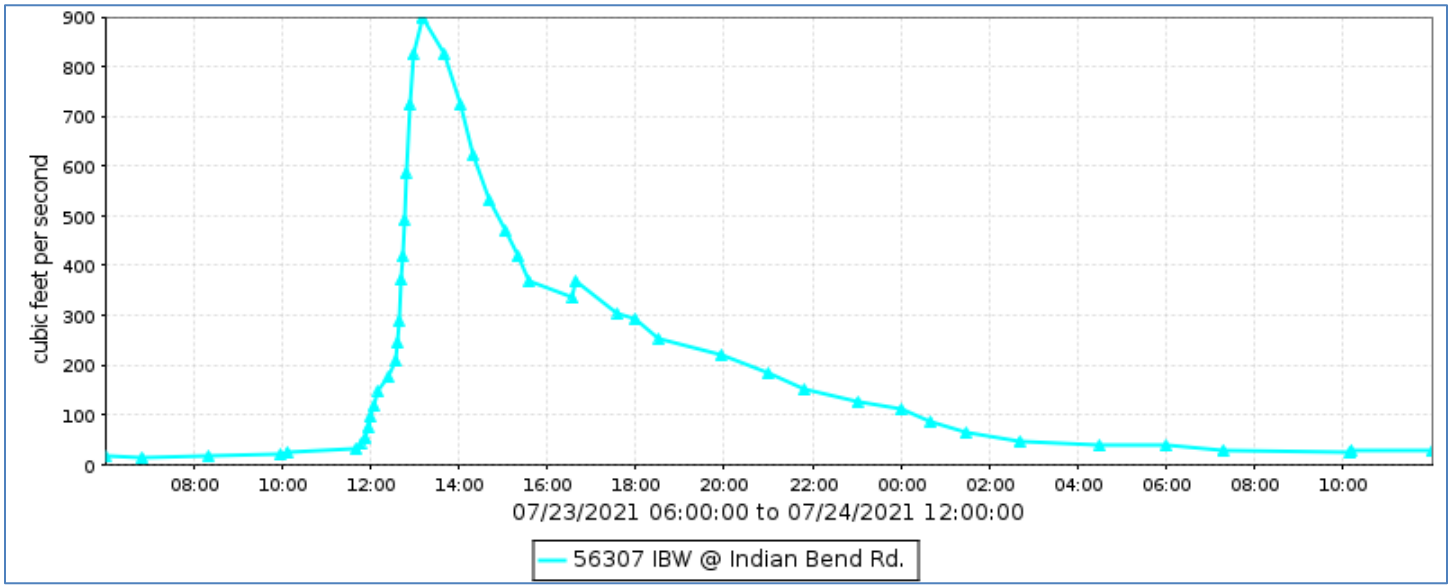




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	2.94	294
07/23/2021	4.11	900
07/25/2021	2.49	170
08/11/2021	2.59	202
08/14/2021	1.32	19
08/17/2021	2.09	91
08/17/2021	1.69	38
08/18/2021	2.52	184

Hydrograph of peak WY 2021 flow event, 07/23/2021



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**
844	**2,250**	**3,940**	**6,380**	**11,300**	**16,700**

NOTE: These results are based on limited data.

Indian Bend Wash near Indian Bend Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3										1		
4										1	1	
5												
6												
7												
8												
9												
10												
11											19	
12											9	
13											8	
14											13	
15											8	
16											6	
17											21	
18											35	
19											17	
20											7	
21											3	
22										14	1	
23										202	4	
24										34	2	
25										29		
26										10		
27										7		
28										6		
29					---					4		
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	308	153	0
MEAN	0	0	0	0	0	0	0	0	0	10	5	0
MAX	0	0	0	0	0	0	0	0	0	900	202	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	610	304	0

WTR YR 2021 TOTAL 461 MEAN 1 MAX 900 MIN 0 AC_FT 914

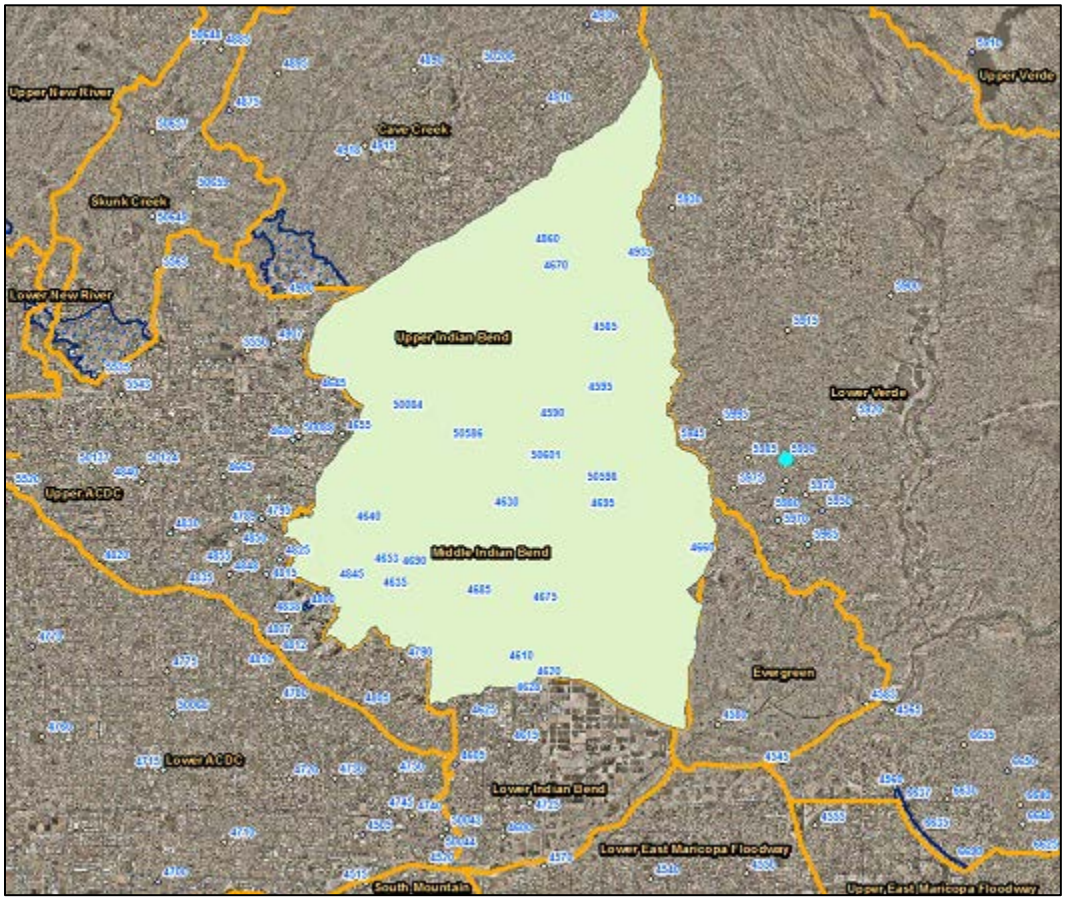
Indian Bend Wash at McDonald Drive – ID #57207

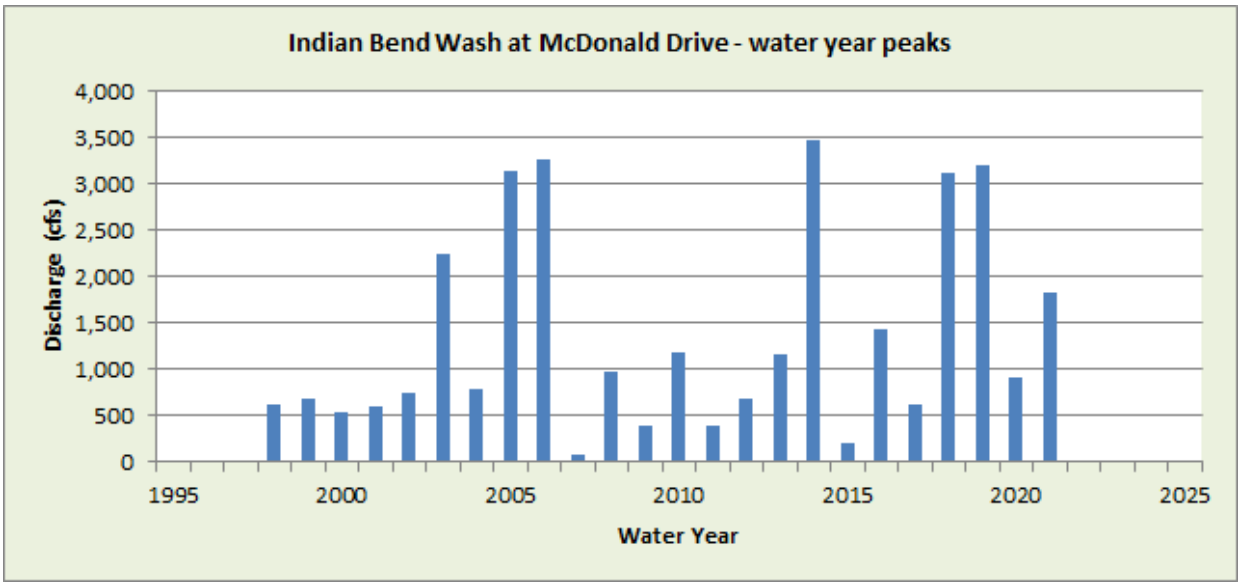


Site Data

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	23.85 Years | 8,712 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

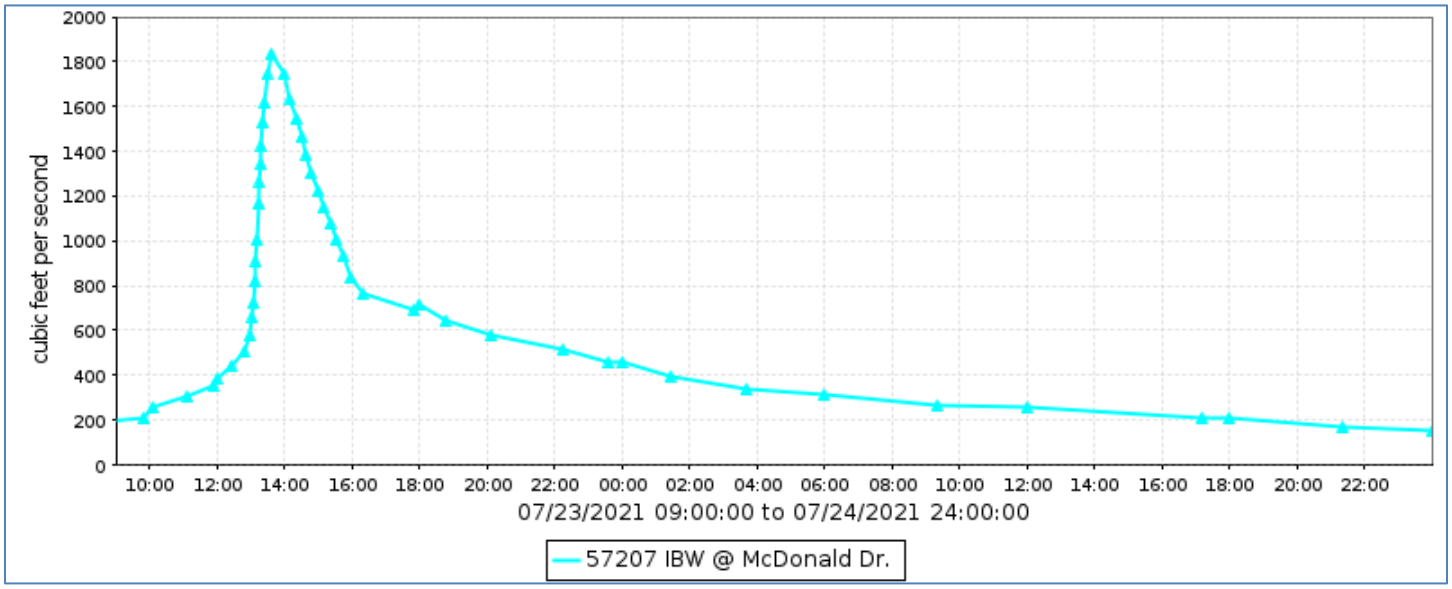




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	1.67	1,170
07/23/2021	2.47	1,833
07/25/2021	0.73	517
08/11/2021	1.54	1,076
08/12/2021	0.03	156
08/13/2021	0.06	168
08/14/2021	0.46	355
08/17/2021	1.14	785
08/18/2021	1.01	691

Hydrograph of peak WY 2021 flow event, 07/23/2021



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**
997	**2,010**	**2,940**	**4,020**	**5,770**	**7,350**

NOTE: These results are based on limited data.

Indian Bend Wash at McDonald Drive, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											134	
12											107	
13											71	
14											203	
15											100	
16											31	
17											303	
18											215	
19											253	
20											53	
21											19	
22										58	4	
23										584		
24										280		
25										217		
26										76		
27										44		
28										27		
29					---					14		
30					---					3		
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	1305	1492	1
MEAN	0	0	0	0	0	0	0	0	0	42	48	0
MAX	0	31	0	4	0	0	0	0	0	1833	1076	8
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	0	1	0	0	0	0	0	2589	2959	2

WTR YR 2021 TOTAL 2799 MEAN 8 MAX 1833 MIN 0 AC_FT 5551

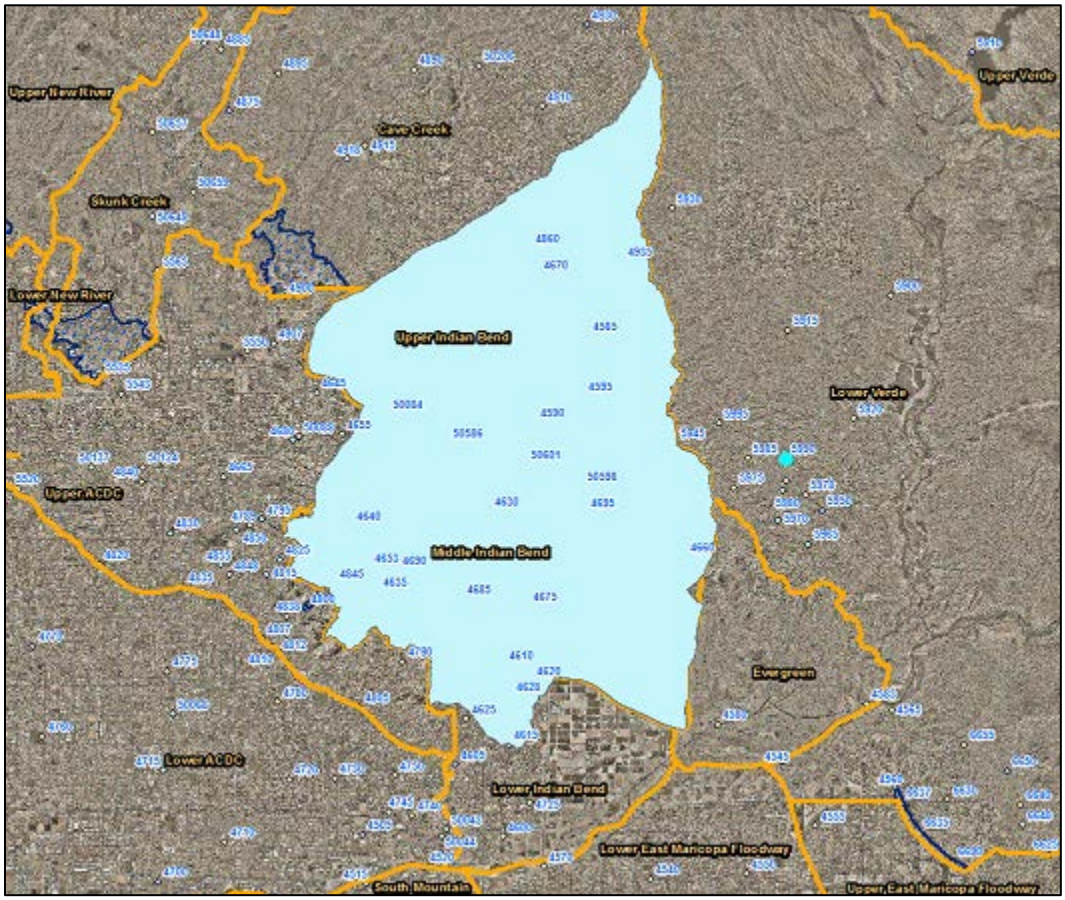
Indian Bend Wash at Indian School Road – ID #56507

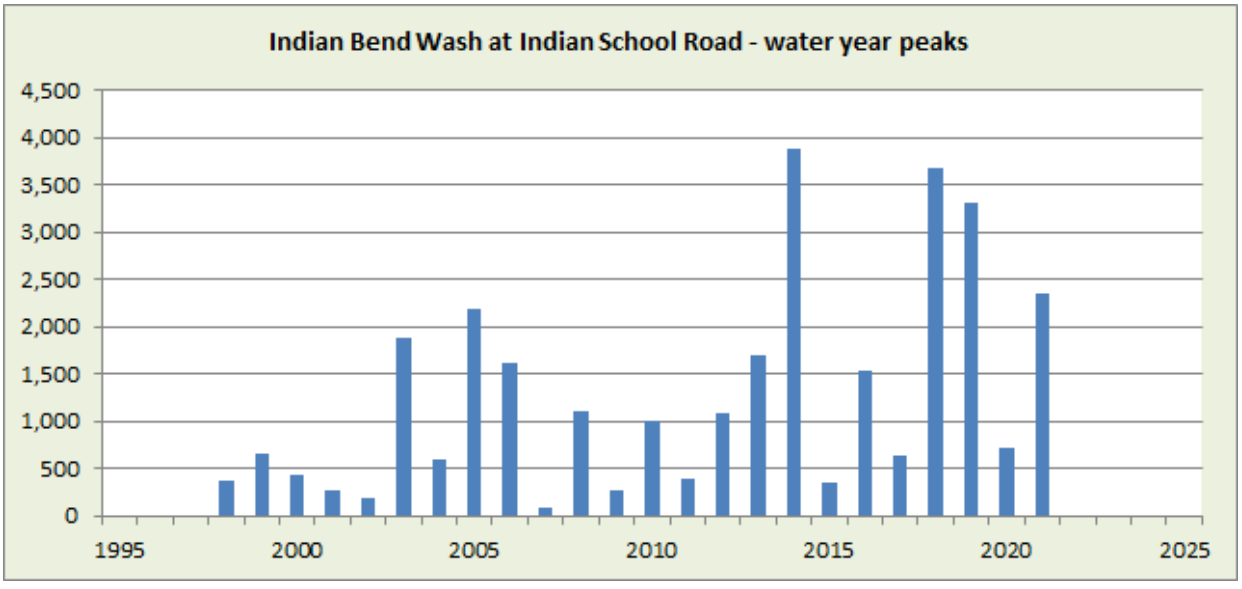


Site Data

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	23.85 Years | 8,711 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

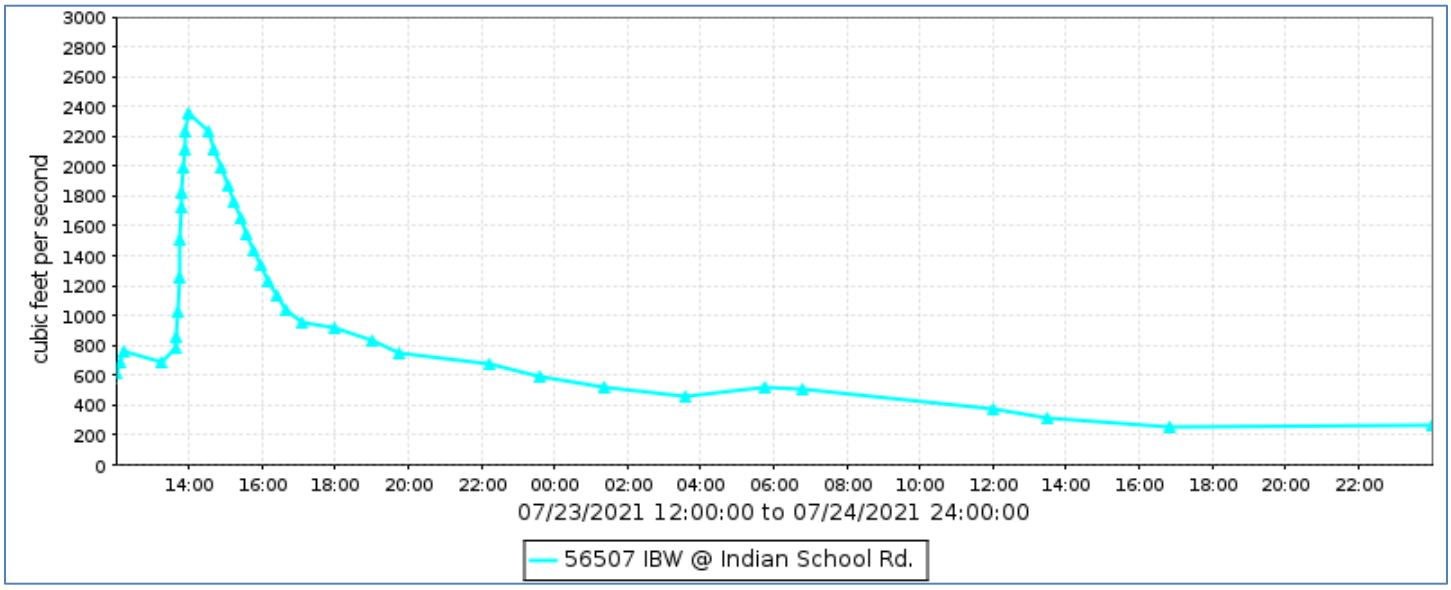




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/22/2021	3.68	1,738
07/23/2021	3.11	1,254
07/23/2021	4.33	2,359
08/11/2021	2.58	859
08/13/2021	1.31	189
08/17/2021	1.66	332
08/17/2021	0.96	76
08/18/2021	1.99	495

Hydrograph of peak WY 2021 flow event, 07/23/2021



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**
884	**2,000**	**2,980**	**4,080**	**5,730**	**7,130**

NOTE: These results are based on limited data.

Indian Bend Wash at Indian School Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							10					
2							40					
3							40					
4							40					
5							20					
6												
7												
8												
9												
10												
11											71	
12											32	
13											5	
14											84	
15											37	
16												
17											70	
18											68	
19											125	
20												
21												
22										102		
23								12		783		
24										398		
25										336		
26										48		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	150	12	0	1667	491	0
MEAN	0	0	0	0	0	0	5	0	0	54	16	0
MAX	0	0	0	0	0	0	40	47	0	2359	859	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	298	23	0	3307	974	0

WTR YR 2021 TOTAL 2320 MEAN 6 MAX 2359 MIN 0 AC_FT 4601

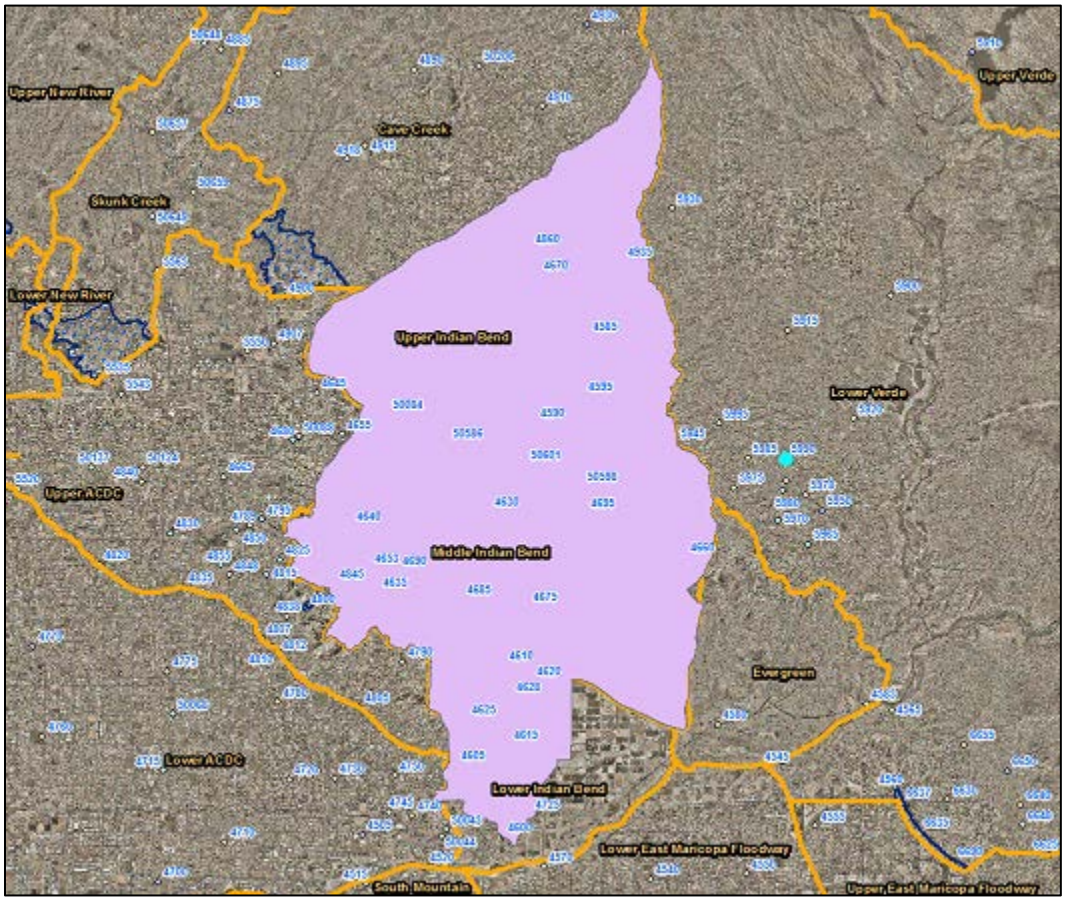
Indian Bend Wash near McKellips Road, ID #55707

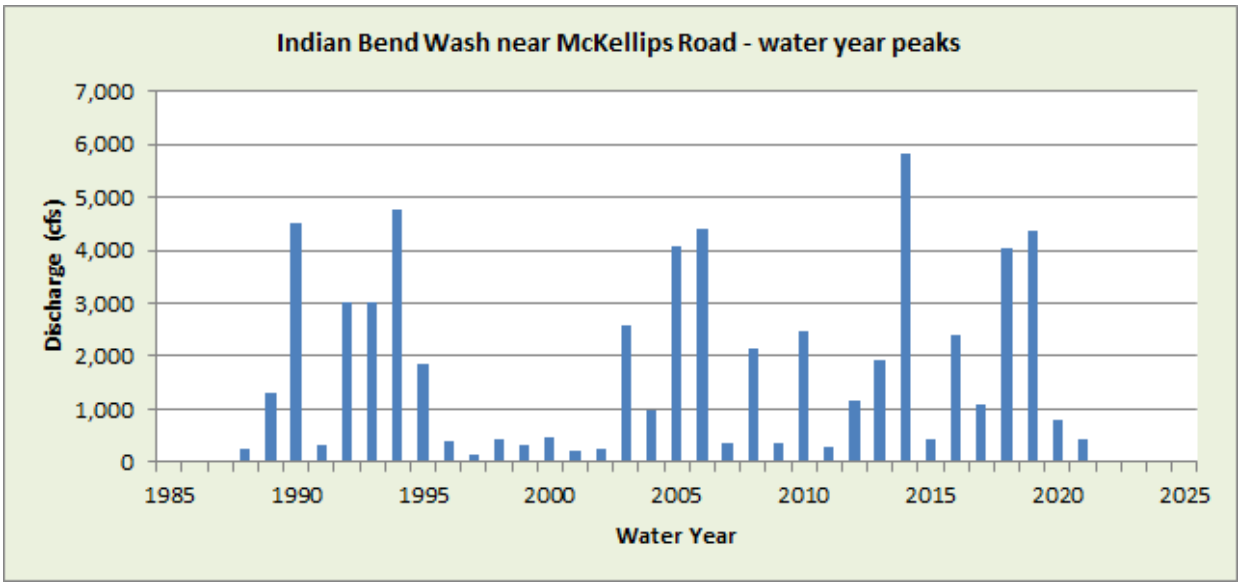


Site Data

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	33.89 Years | 12,379 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

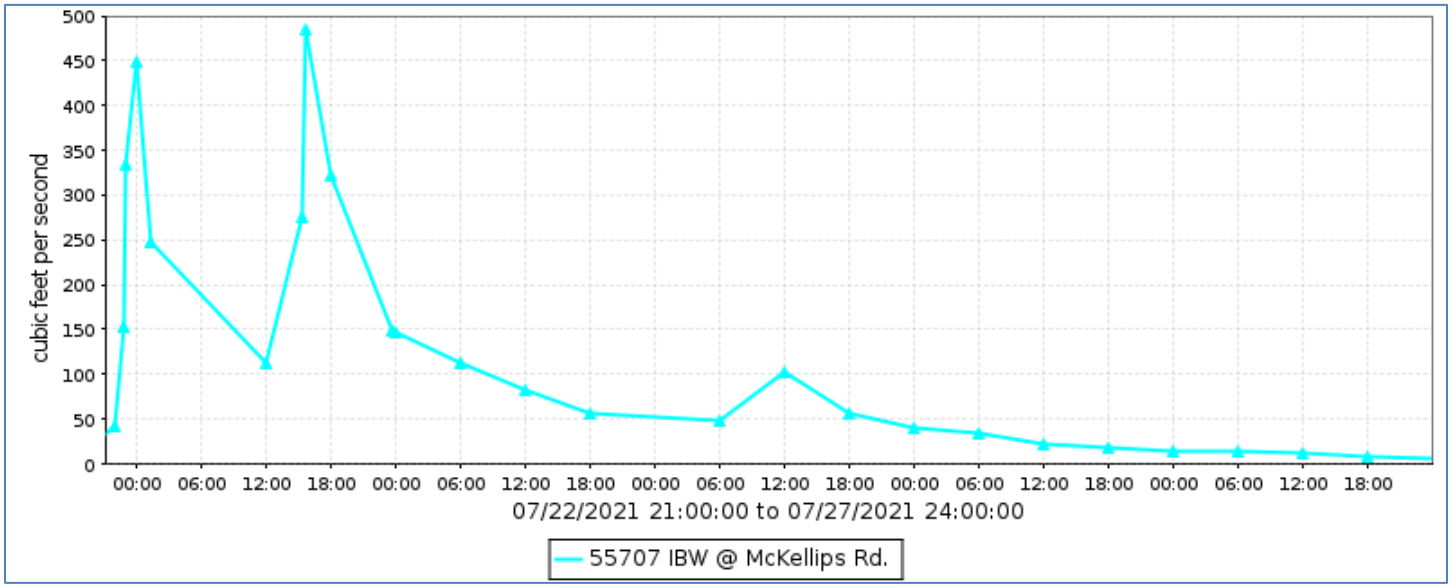




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	1.90	484
08/12/2021	0.88	93

Hydrograph of peak WY 2021 flow event, 07/23/2021



Flood Flow Frequency

Flood Flow Frequency N=34, HEC-WRC computation (based on 34 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,070	**2,770**	**4,510**	**6,740**	**10,500**	**14,200**

NOTE: These results are based on limited data.

Indian Bend Wash near McKellips Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											4	11
2											4	21
3		1									4	19
4		1								11	5	5
5										18	5	
6		1								8	5	3
7		1				---				4	5	3
8		1				---				3	4	2
9		1								2	2	2
10		1								1	5	2
11										1	19	2
12		1								11	53	1
13		1				1				16	29	1
14						1				23	42	1
15		1								17	40	1
16		1								17	22	
17		1								16	36	
18		1								13	46	
19		1								10	38	3
20		1								3	23	2
21		1								3	9	2
22										20	4	2
23		1								278	3	2
24		1								100	3	2
25		1								66	3	1
26		1								28	3	1
27		1								12	2	1
28		1								5	2	1
29					---					4	1	1
30					---					4		1
31		---			---		---		---	4		---
TOTAL	0	16	0	0	0	7	0	0	3	699	421	98
MEAN	0	1	0	0	0	0	0	0	0	23	14	3
MAX	0	1	0	0	0	2	0	0	0	484	93	23
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	32	0	0	0	13	0	0	7	1386	836	195

WTR YR 2021 TOTAL 1244 MEAN 3 MAX 484 MIN 0 AC_FT 2468

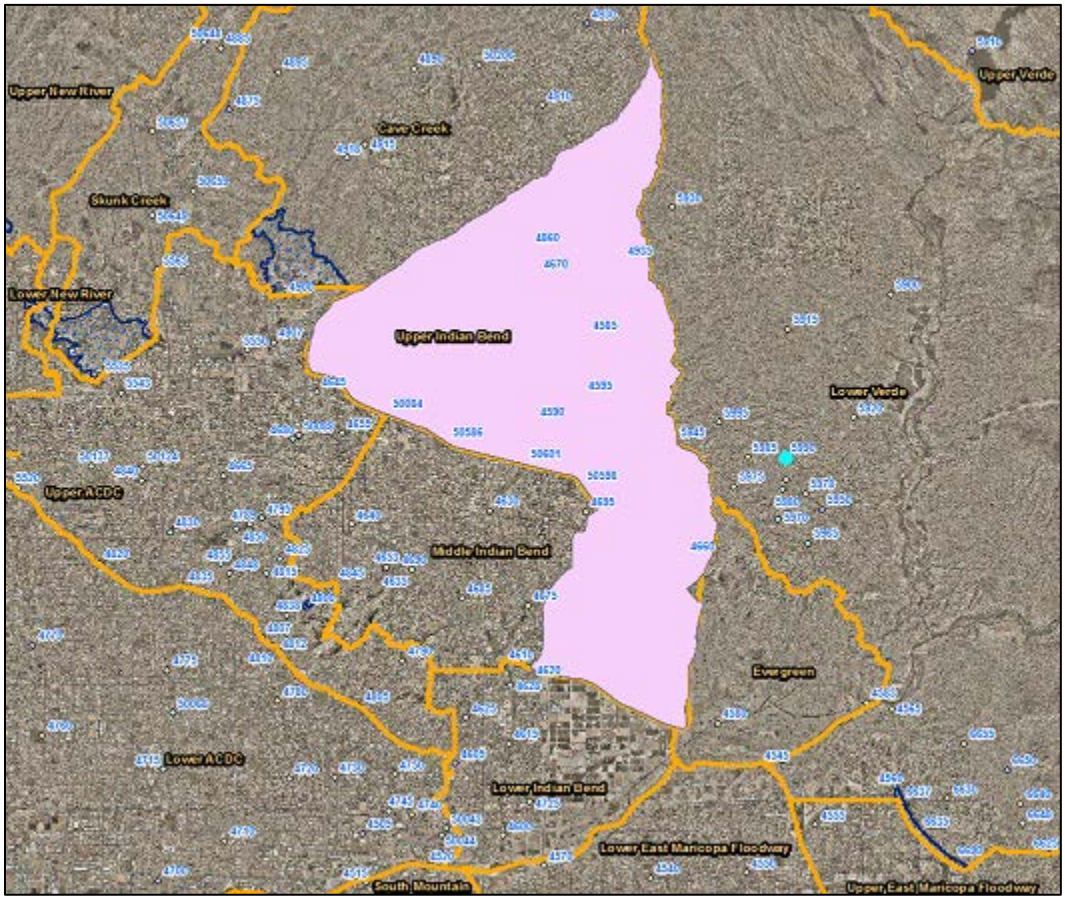
Indian Bend Wash Interceptor Channel – ID #56807

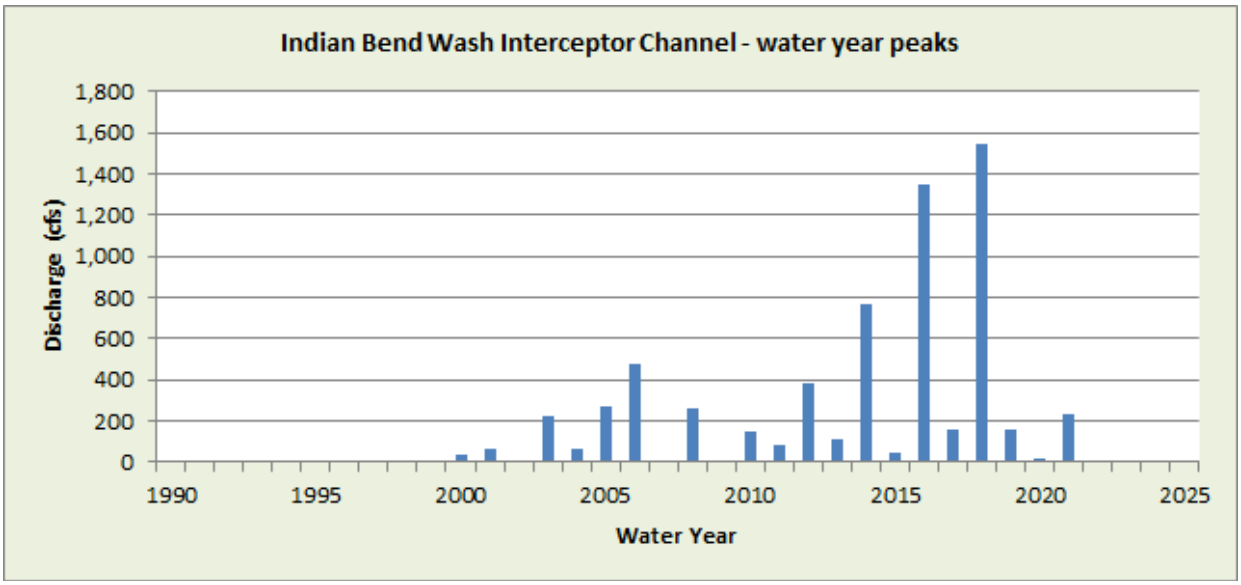


Site Data

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	27.45 Years | 10,025 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

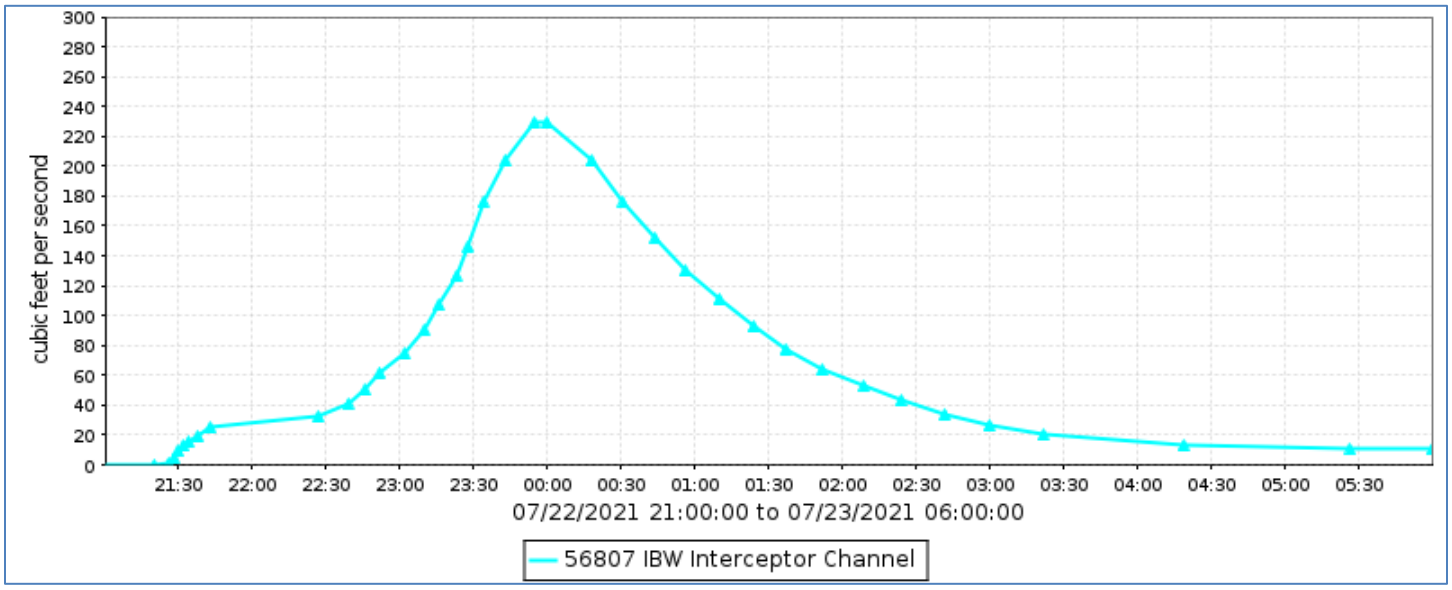




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/22/2021	2.56	230
07/23/2021	2.49	215
07/25/2021	1.32	43
08/12/2021	1.07	27
08/14/2021	0.39	6
08/17/2021	0.99	22

Hydrograph of peak WY 2021 flow event, 07/22/2021



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
59	**311**	**706**	**1,350**	**2,720**	**4,280**

NOTE: These results are based on limited data.

Indian Bend Wash Interceptor Channel, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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												
14											2	
15												
16												
17											6	
18												
19												
20												
21												
22										8		
23										52		
24										5		
25										6		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	71	12	0
MEAN	0	0	0	0	0	0	0	0	0	2	0	0
MAX	0	0	0	0	0	0	0	0	0	230	27	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	140	25	0

WTR YR 2021 TOTAL 83 MEAN 0 MAX 230 MIN 0 AC_FT 165

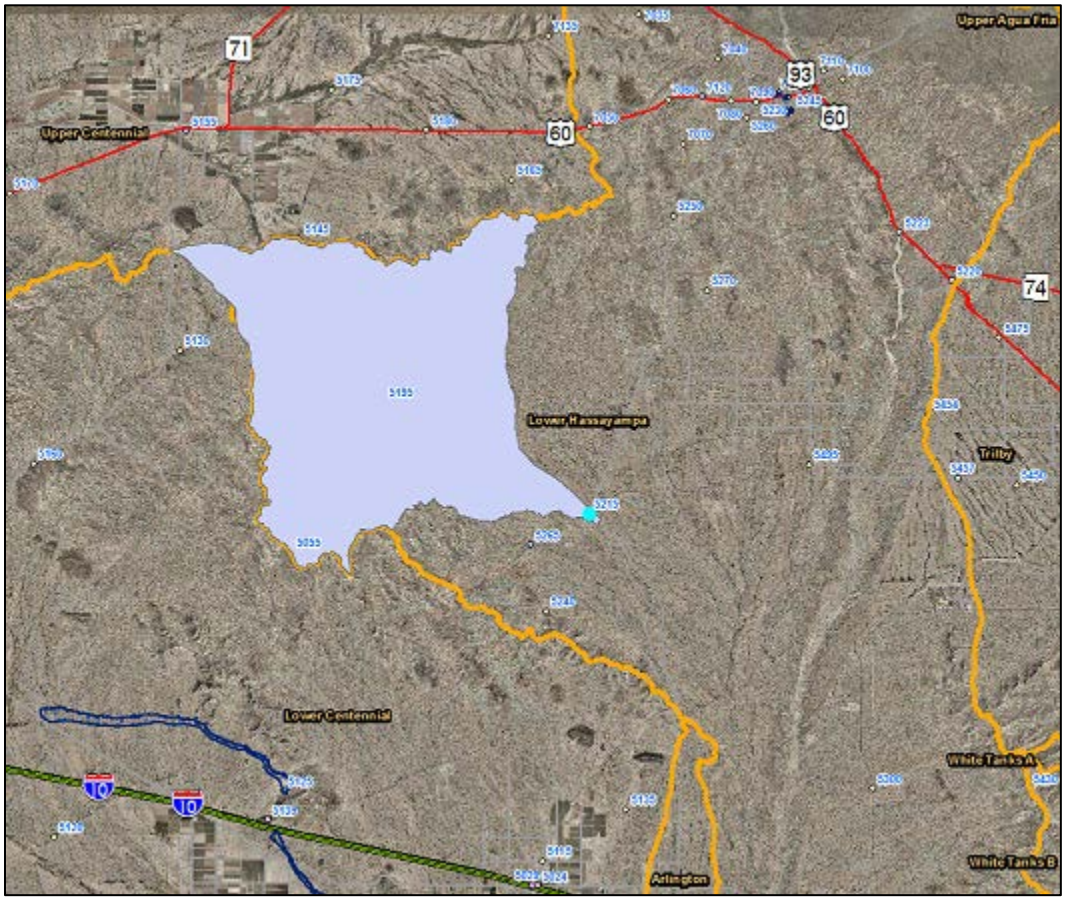
Jackrabbit Wash, ID #45007

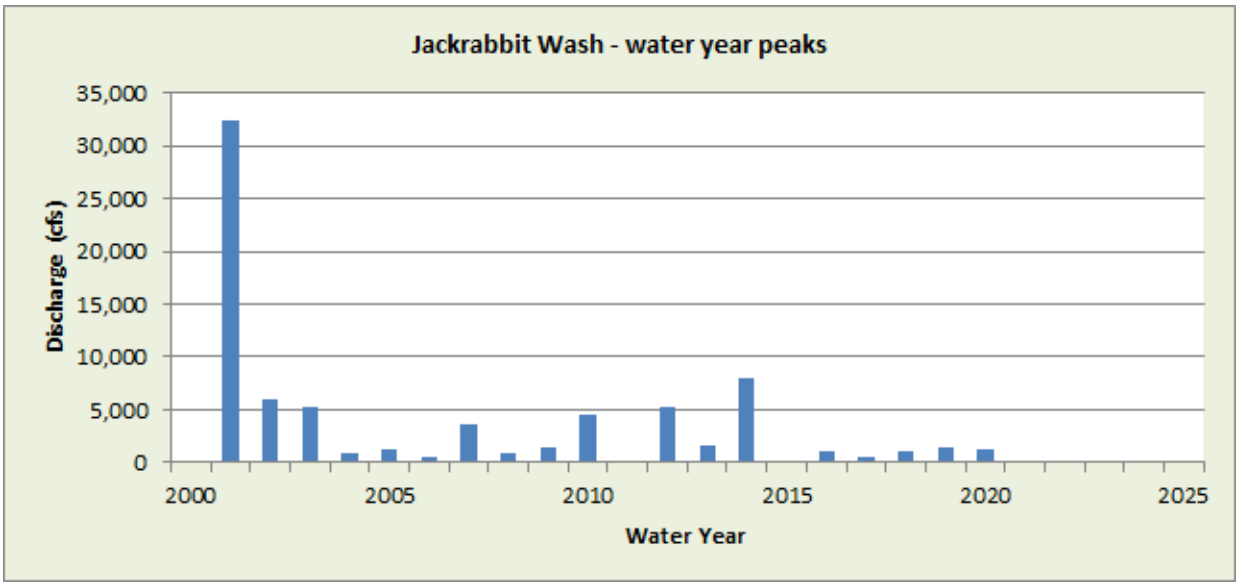


Site Data

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	20.92 Years | 7,640 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded during Water Year 2021.

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**
1,030	**4,530**	**8,700**	**14,000**	**22,700**	**30,100**

NOTE: These results are based on limited data.

Jackrabbit Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

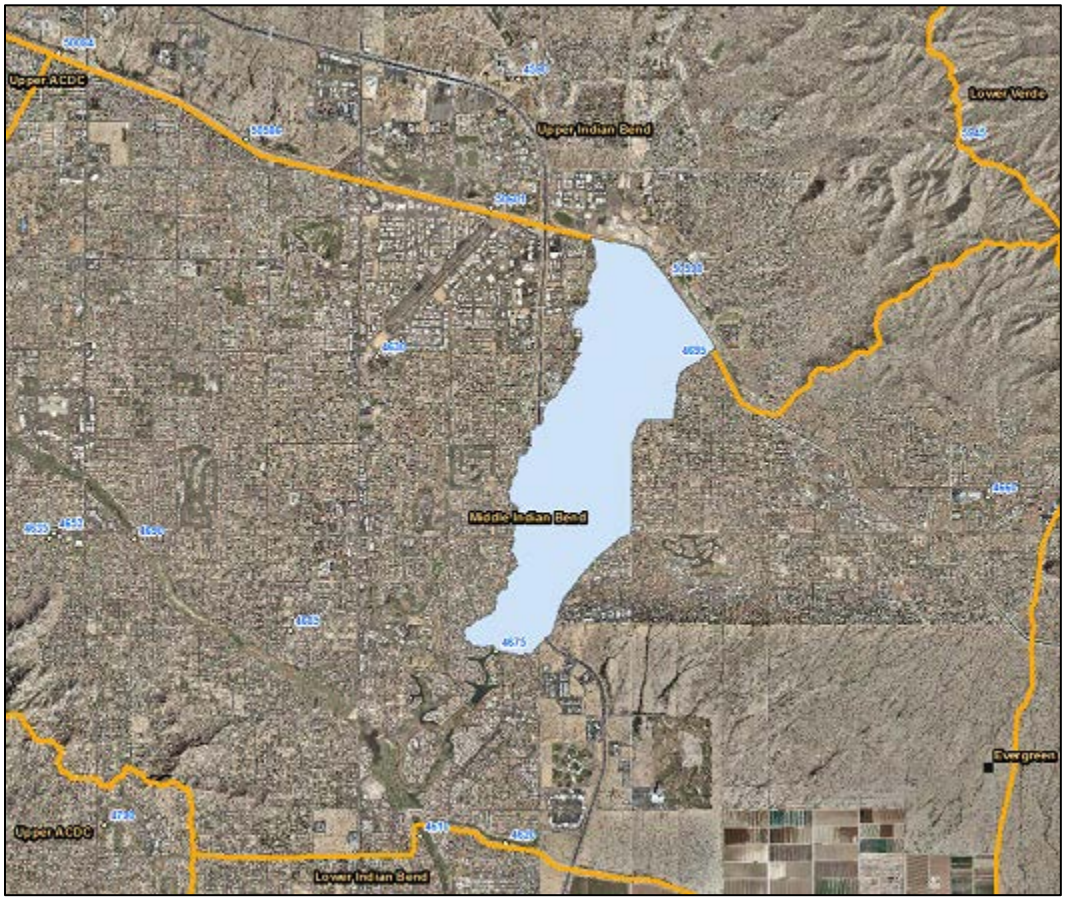
Lake Margherite – ID #59007

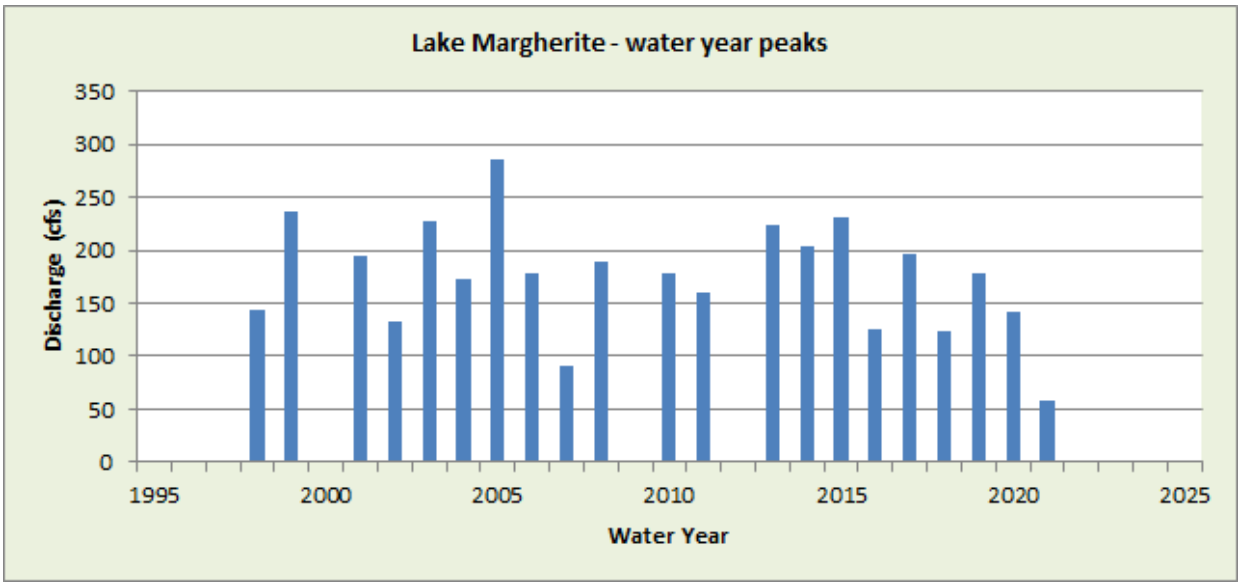


Site Data

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	23.85 Years | 8,712 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

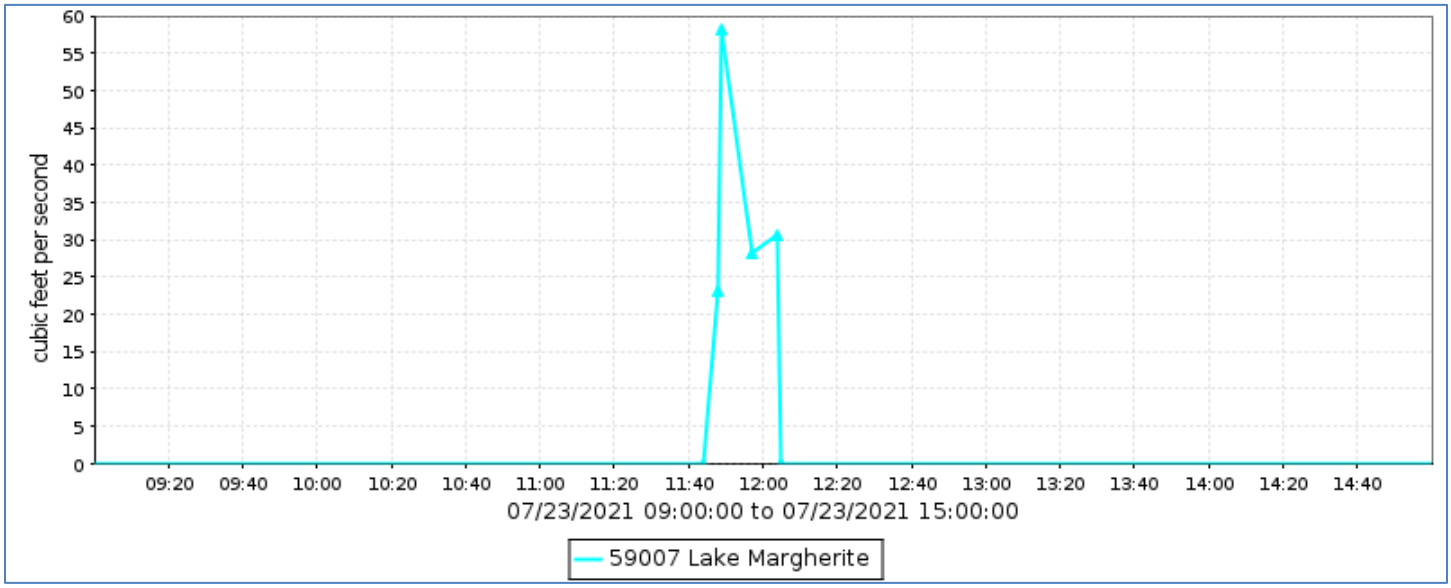




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	1.10	58
09/26/2021	0.82	20

Hydrograph of peak WY 2021 flow event, 07/23/2021



Flood Flow Frequency

Flood Flow Frequency From USGS Streamstats					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
334	**738**	**1,090**	**1,390**	**2,000**	**2,760**

Lake Margherite, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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									5			
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	5	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	20	58	0	20
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	10	1	0	0

WTR YR 2021 TOTAL 6 MEAN 0 MAX 58 MIN 0 AC_FT 11

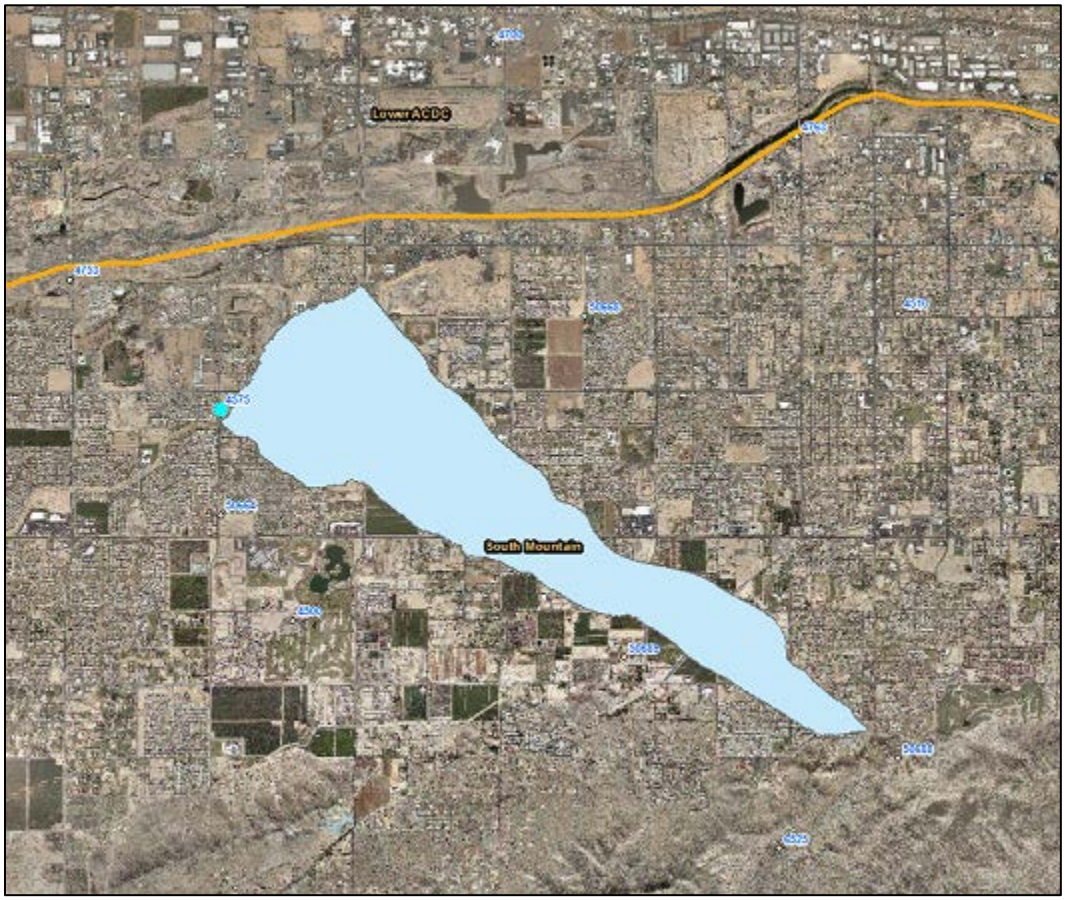
Laveen Basin, ID #67807

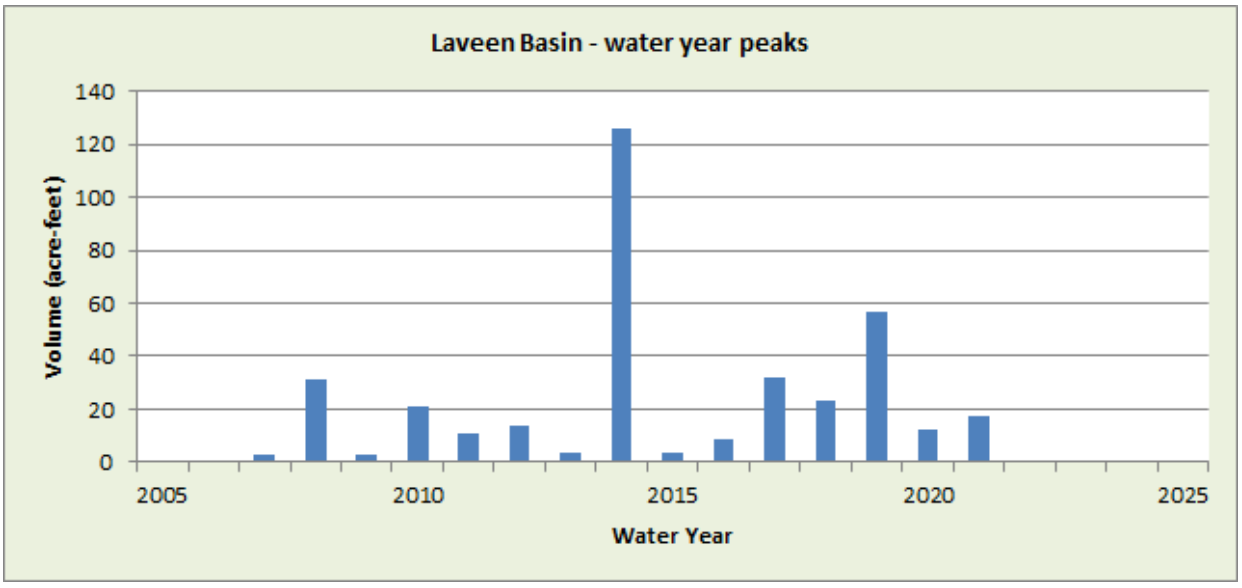


Site Data

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	14.90 Years | 5,442 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

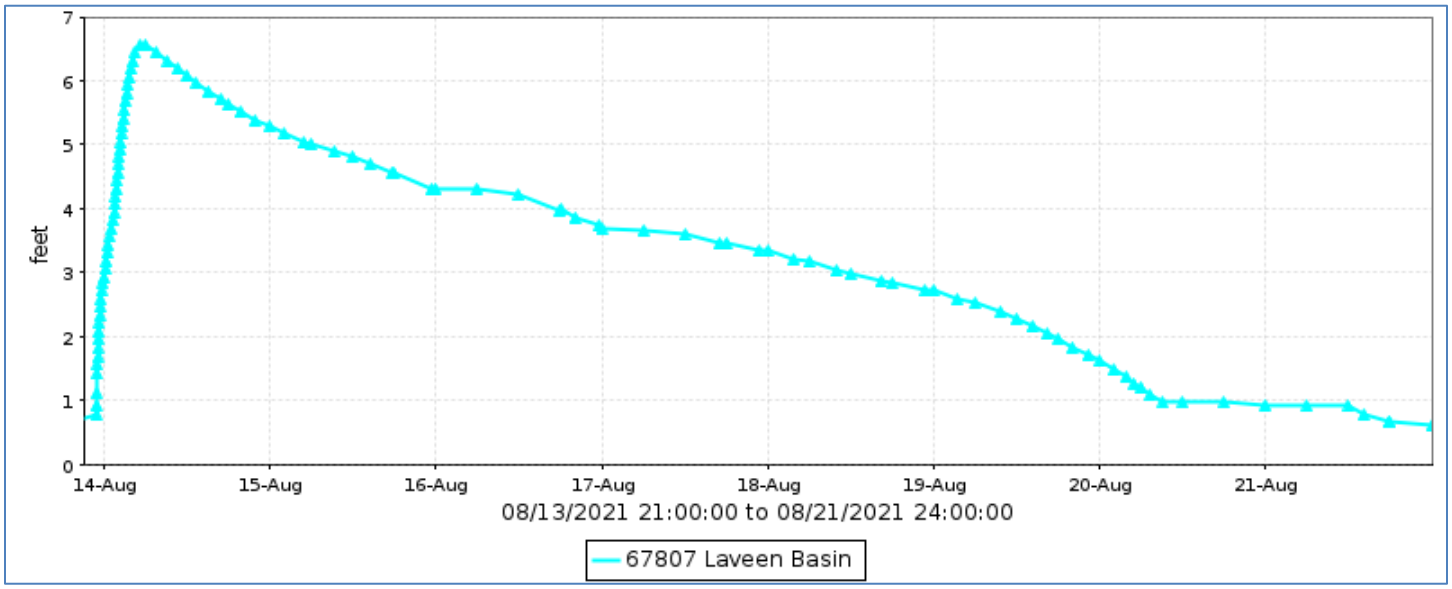




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2020	1.98	1.1	0.9
01/26/2021	0.91	0.1	0.1
07/03/2021	2.44	2.6	2.1
07/14/2021	4.87	10.7	8.5
07/25/2021	4.34	8.9	7.0
08/10/2021	1.37	0.3	0.3
08/14/2021	6.56	17.6	13.9
09/02/2021	2.89	4.0	2.8
09/18/2021	1.74	0.5	0.4

Hydrograph of peak 2021 impoundment event, 08/14/2021



Laveen Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												1
2												9
3										1		9
4										1		4
5												
6												
7												
8												
9												
10			3									
11												
12												
13												
14										9	12	
15										12	12	
16										10	12	
17										7	11	
18											10	
19											7	5
20												
21												
22												
23										3		
24										9		
25										11		
26										11		
27										9		
28										3		
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	3	0	0	0	0	0	0	85	65	28
MEAN	0	0	0	0	0	0	0	0	0	3	2	1
MAX	0	0	7	0	0	0	0	0	0	12	12	9
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	7	0	0	0	0	0	0	169	129	56

WTR YR 2021 TOTAL 182 MEAN 0 MAX 12 MIN 0 AC_FT 361

Laveen Basin, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 18 MIN 0

Laveen Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.8	0.9
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.8
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.8	2.6
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.6	0.6	1.8
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.1	0.6	0.3
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.6	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.2
10	0.2	0.2	1.3	0.2	0.2	0.2	0.2	0.2	0.2	0.6	1.0	0.2
11	0.2	0.2	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.2
12	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.7	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.4	5.7	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.8	4.9	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.0	4.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.2	3.6	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.1	3.0	0.7
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.3	1.8
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.1	0.9
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.8	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.6	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.6	0.6	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.8	0.6	0.2
25	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	3.6	0.6	0.2
26	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	3.7	0.6	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.7	0.7	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.6	0.6	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.8	0.6	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.8	0.6	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.8	0.7	---
MEAN	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	1.4	1.3	0.5
MAX	0.2	0.2	2.0	0.9	0.2	0.4	0.2	0.2	0.7	4.9	6.6	2.9
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2

WTR YR 2021 MEAN 0.43 MAX 6.56 MIN 0.20

Magma FRS, ID #42307

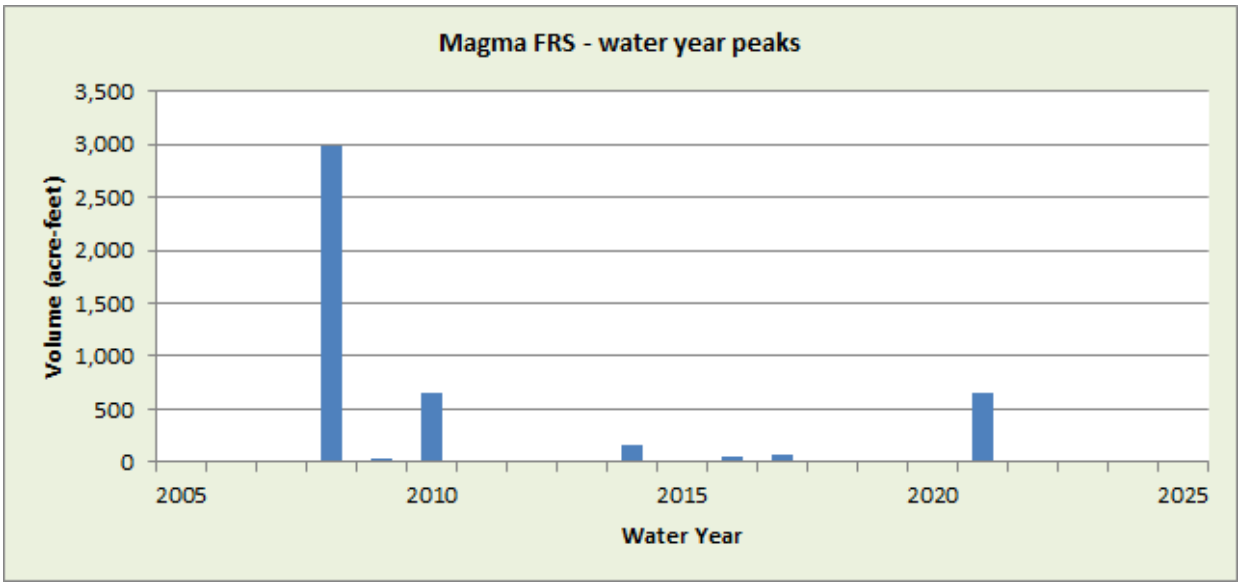


Site Data

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	13.88 Years | 5,069 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

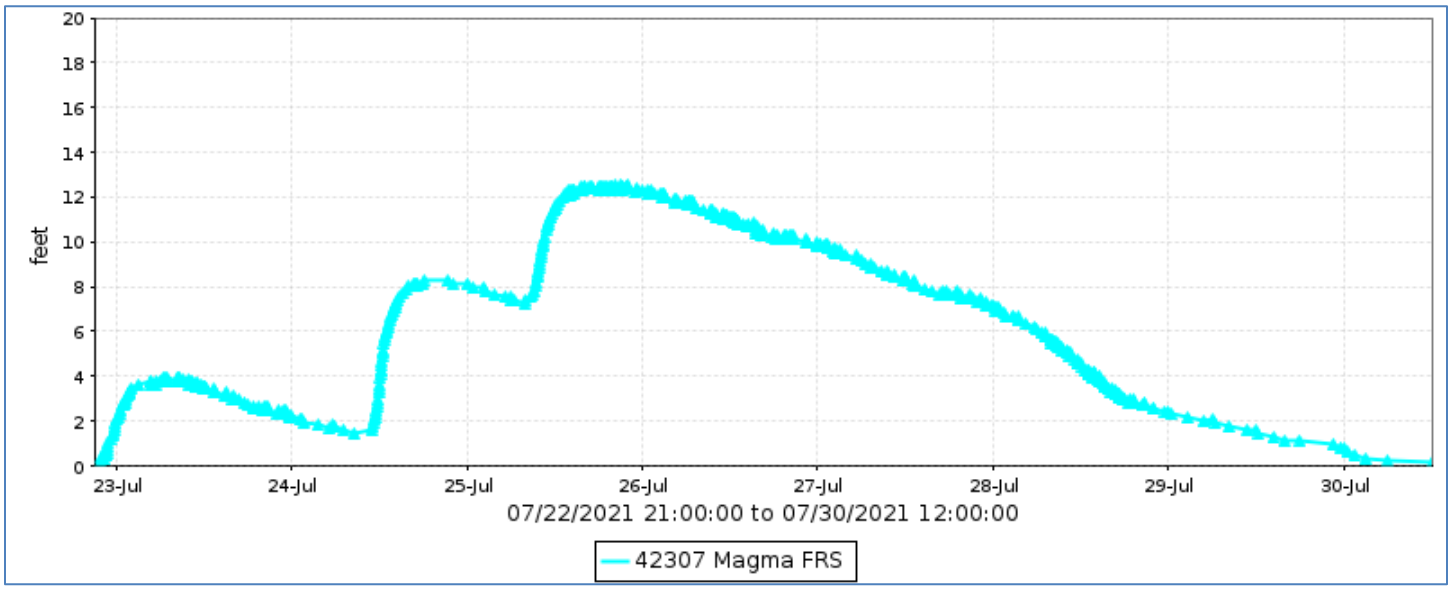




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/14/2021	7.14	142.2	2.6
07/23/2021	3.96	11.2	0.2
07/24/2021	8.27	214.6	3.9
07/25/2021	12.51	650.8	11.7
08/14/2021	8.41	225.1	4.1
08/17/2021	7.23	148.4	2.7
09/02/2021	1.08	0.0	0.0

Hydrograph of peak 2021 impoundment event, 07/25/2021



Magma FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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										37	48	
15										41	57	
16										1	13	
17											53	
18											36	
19											2	
20												
21												
22												
23										20		
24										34		
25										81		
26										86		
27										70		
28										36		
29					---					2		
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	408	209	0
MEAN	0	0	0	0	0	0	0	0	0	13	7	0
MAX	0	0	0	0	0	0	0	0	0	94	71	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	808	415	0

WTR YR 2021 TOTAL 617 MEAN 2 MAX 94 MIN 0 AC_FT 1223

Magma FRS, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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										72	134	
15										46	114	
16											5	
17											105	
18											37	
19												
20												
21												
22												
23										2		
24										89		
25										420		
26										471		
27										233		
28										43		
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	44	13	0
MAX	0	0	0	0	0	0	0	0	0	659	225	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 5 MAX 659 MIN 0

Magma FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.6
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
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	0.2	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	0.2	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	4.4	5.8	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.0	6.6	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7	2.6	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.3	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.6	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.5	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	0.2	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.7	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10.2	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	11.1	0.2	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	8.4	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.6	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	1.6	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.2	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	1.8	1.0	0.2
MAX	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	12.6	8.4	1.1
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 2021 MEAN 0.37 MAX 12.57 MIN 0.15

Martinez Creek, ID #49507

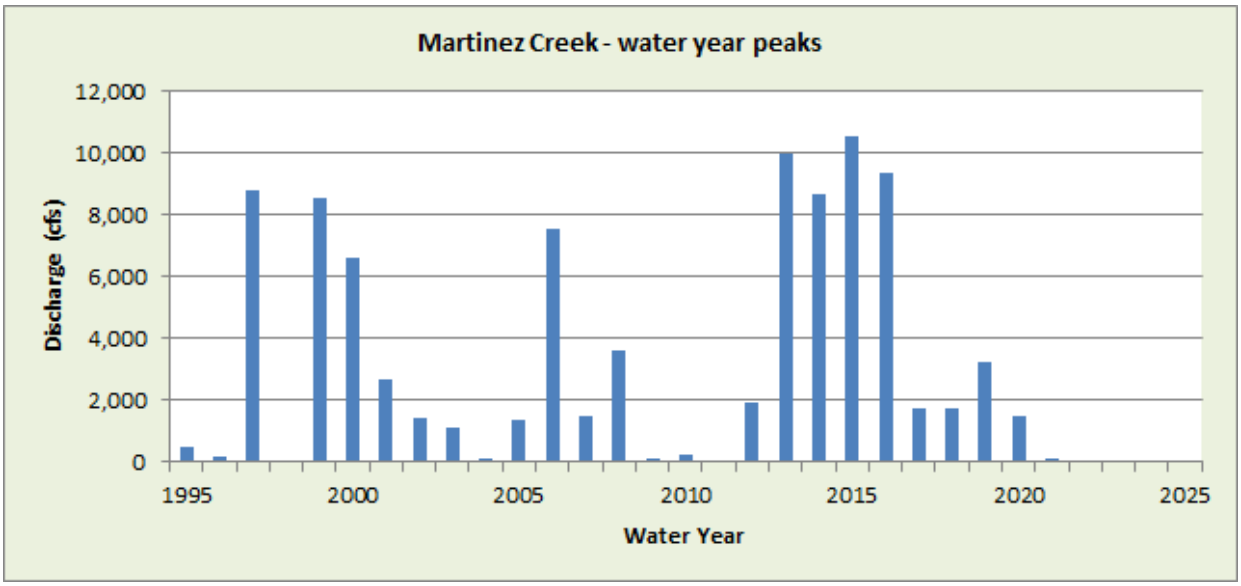


Site Data

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	26.86 Years | 9,809 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

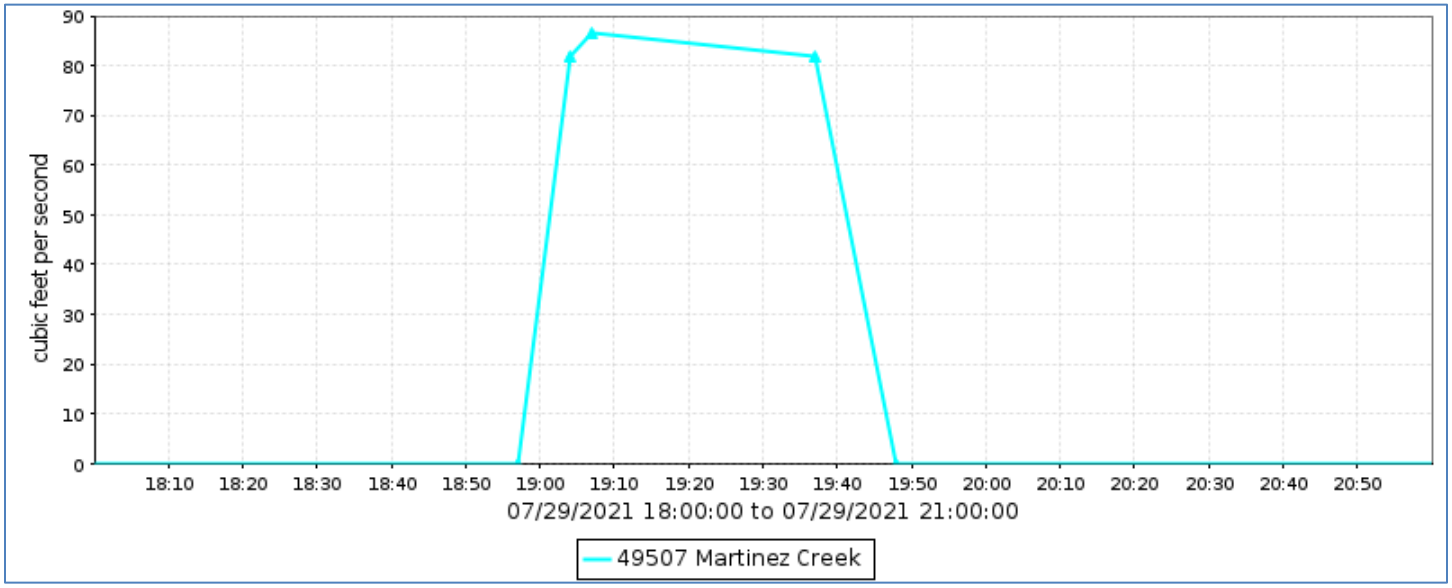




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/16/2021	2.92	81
07/29/2021	3.07	87

Hydrograph of peak WY 2021 flow event, 07/29/2021



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**
1,730	**5,890**	**10,200**	**15,300**	**23,100**	**29,700**

NOTE: These results are based on limited data.

Martinez Creek, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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										1		
17												
18												
19												
20												
21												
22												
23												
24												
25				---								
26				---								
27												
28												
29					---					3		
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	3	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	87	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	7	0	0

WTR YR 2021 TOTAL 3 MEAN 0 MAX 87 MIN 0 AC_FT 7

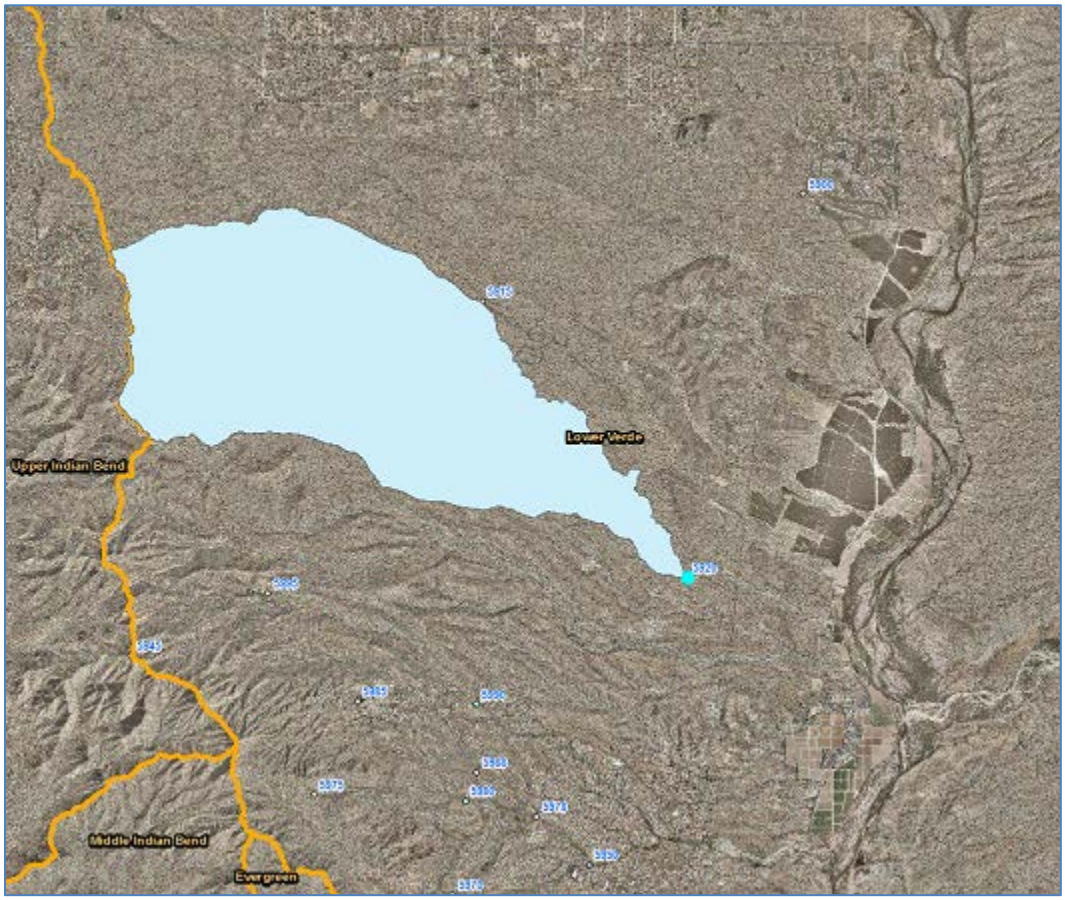
McDowell Mountain Road, ID #76007

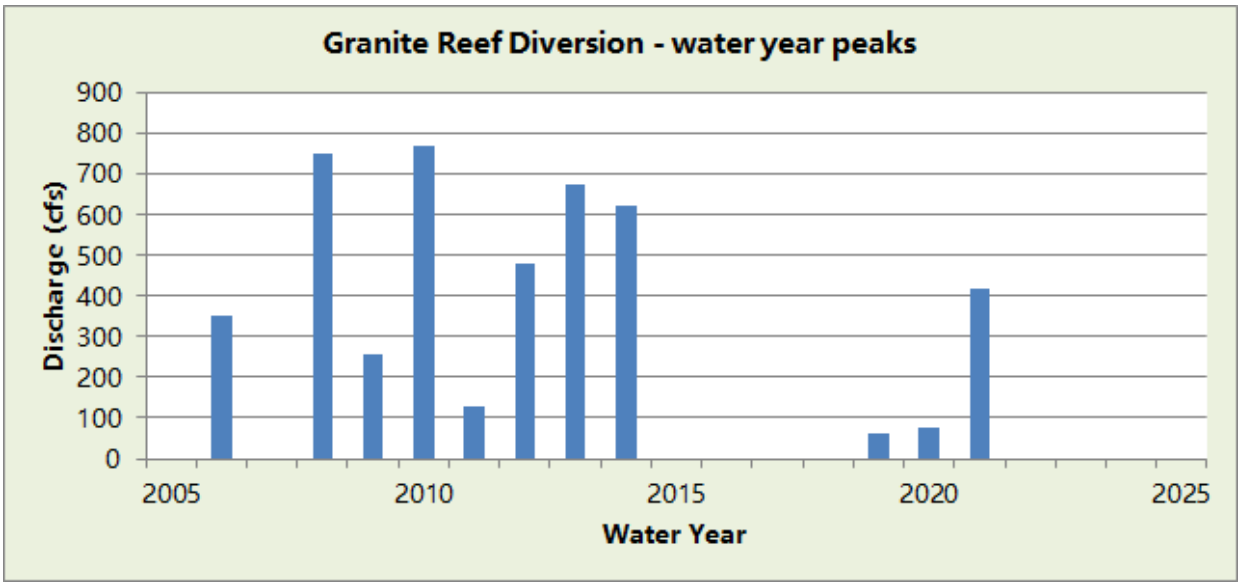


Site Data

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	17.37 Years | 6,345 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

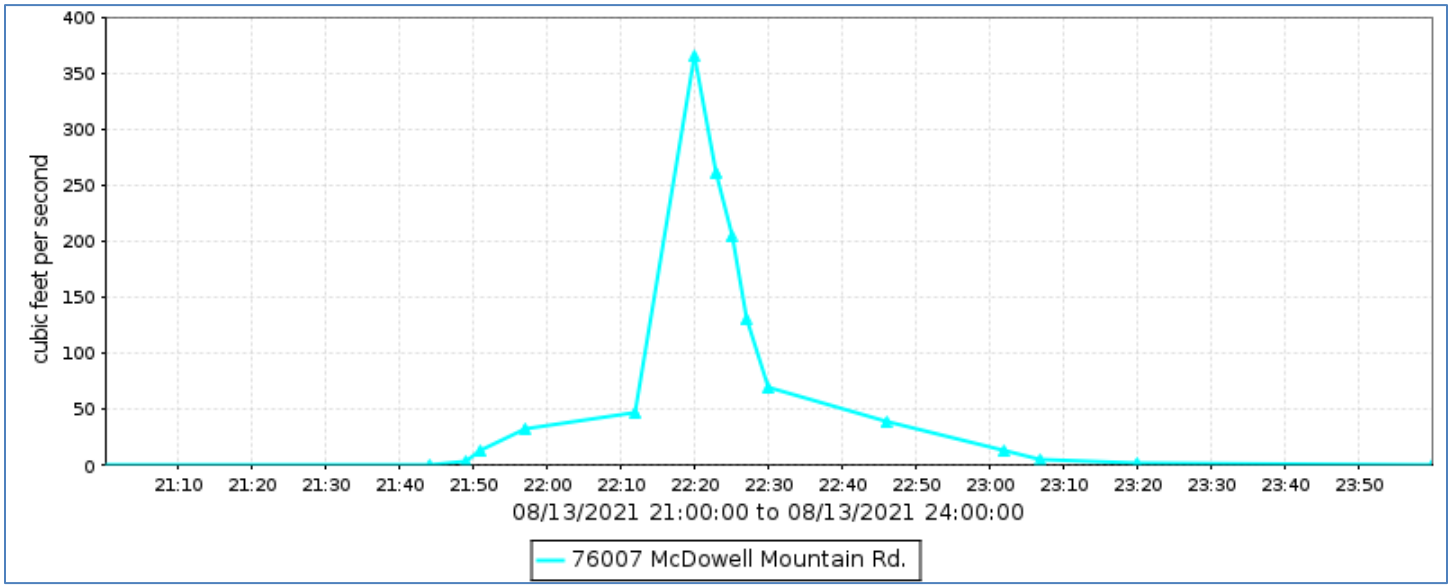




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	0.52	58
08/12/2021	0.47	47
08/13/2021	1.24	365

Hydrograph of peak WY 2021 flow event, 08/13/2021



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**
50	**169**	**309**	**502**	**852**	**1,200**

NOTE: These results are based on very limited data.

McDowell Mountain Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											4	
14												
15												
16												
17												
18												
19												
20												
21												
22												
23										1		
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	1	0	1	4	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	1	0	58	365	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	1	0	2	8	0

WTR YR 2021 TOTAL 6 MEAN 0 MAX 365 MIN 0 AC_FT 12

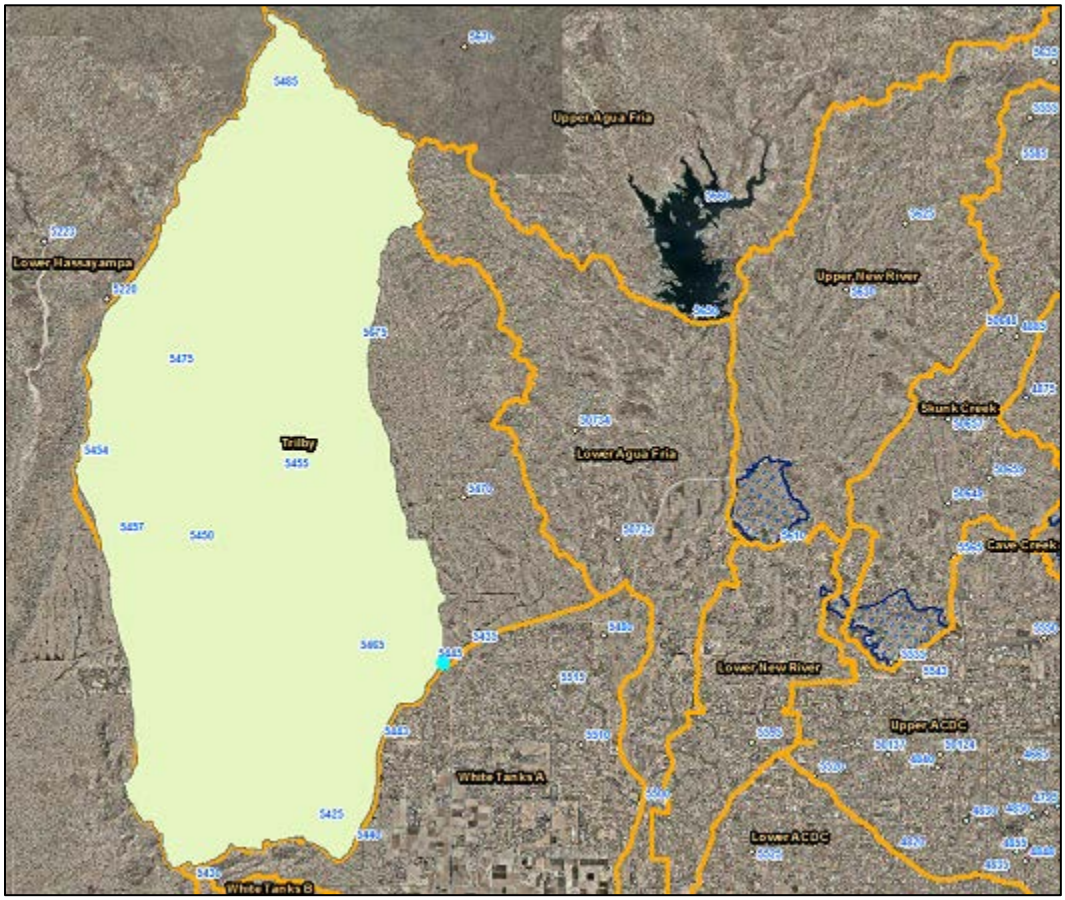
McMicken Dam at Bell Road, ID #71507

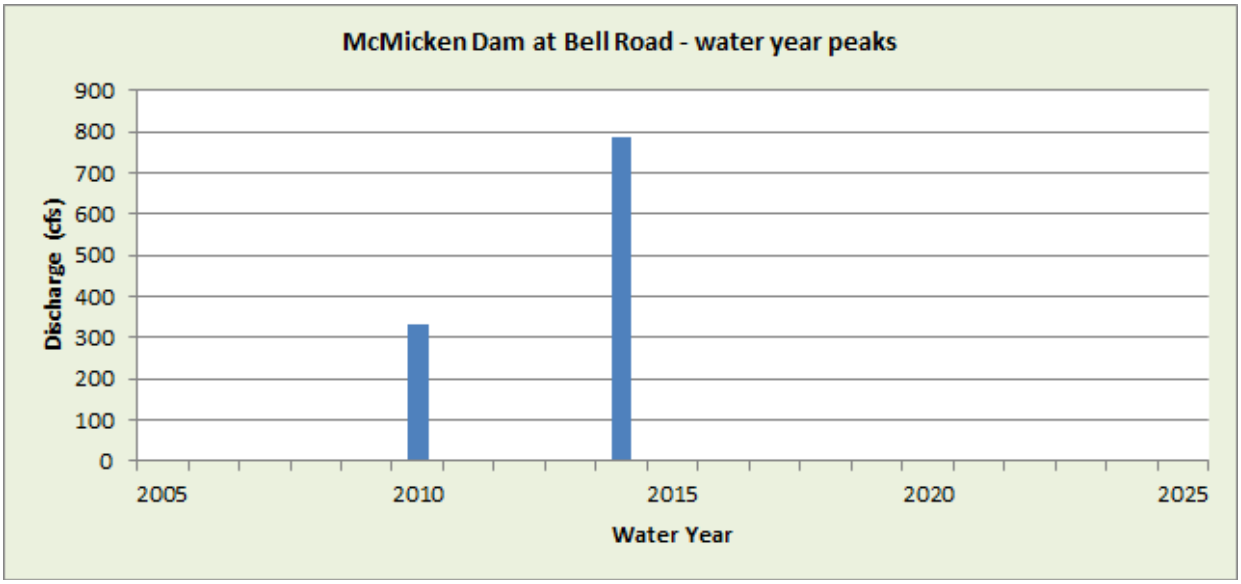


Site Data

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	12.58 Years | 4,594 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event

There was no runoff recorded in Water Year 2021.

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 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

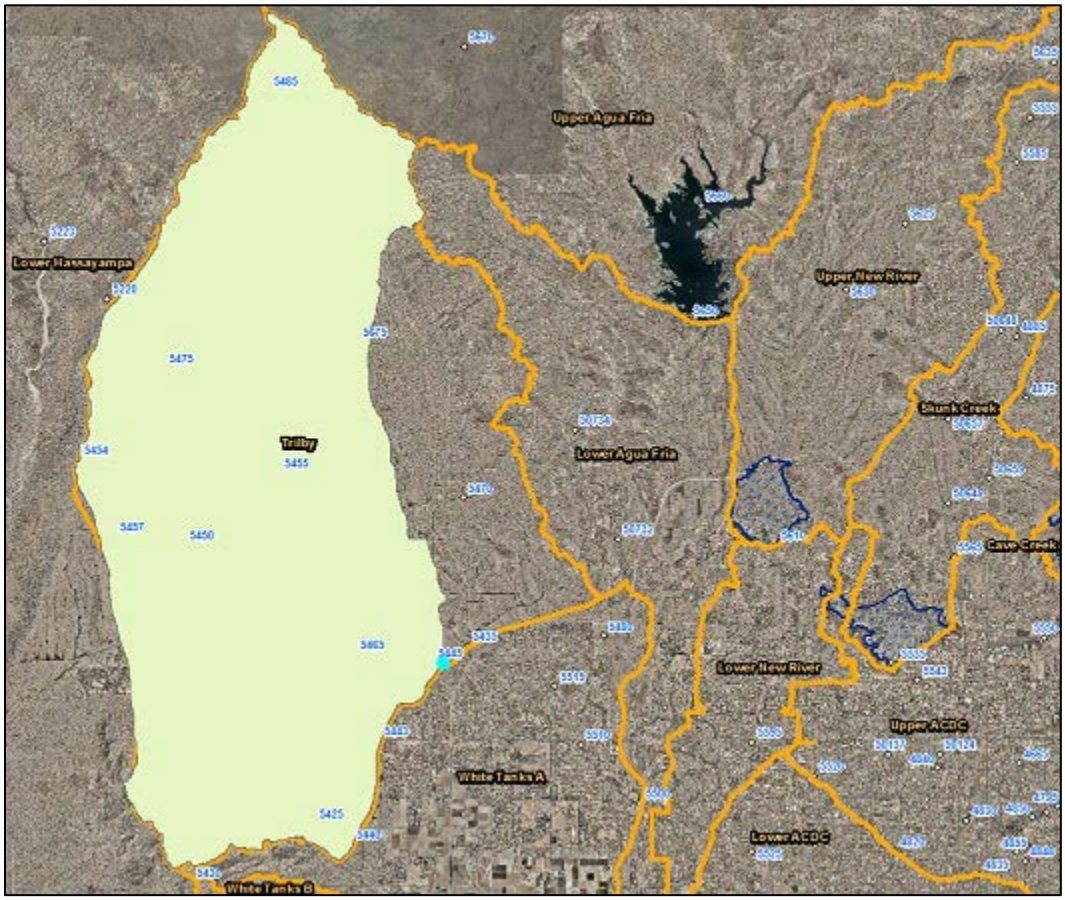
McMicken Dam, ID #71707

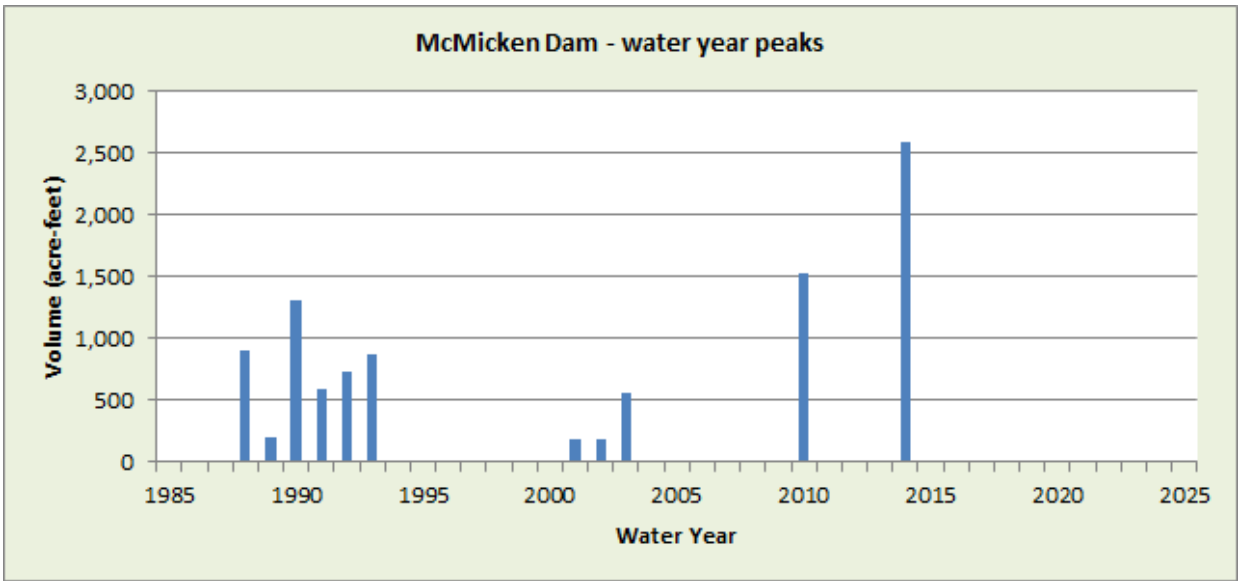


Site Data

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	33.62 Years | 12,279 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





WY2021 Events

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

Hydrograph of peak 2021 impoundment event

There were no impoundments recorded in Water Year 2021.

McMicken Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

McMicken Dam, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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 2021 MEAN 0 MAX 0 MIN 0

McMicken Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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
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 2021 MEAN 1.60 MAX 1.60 MIN 1.60

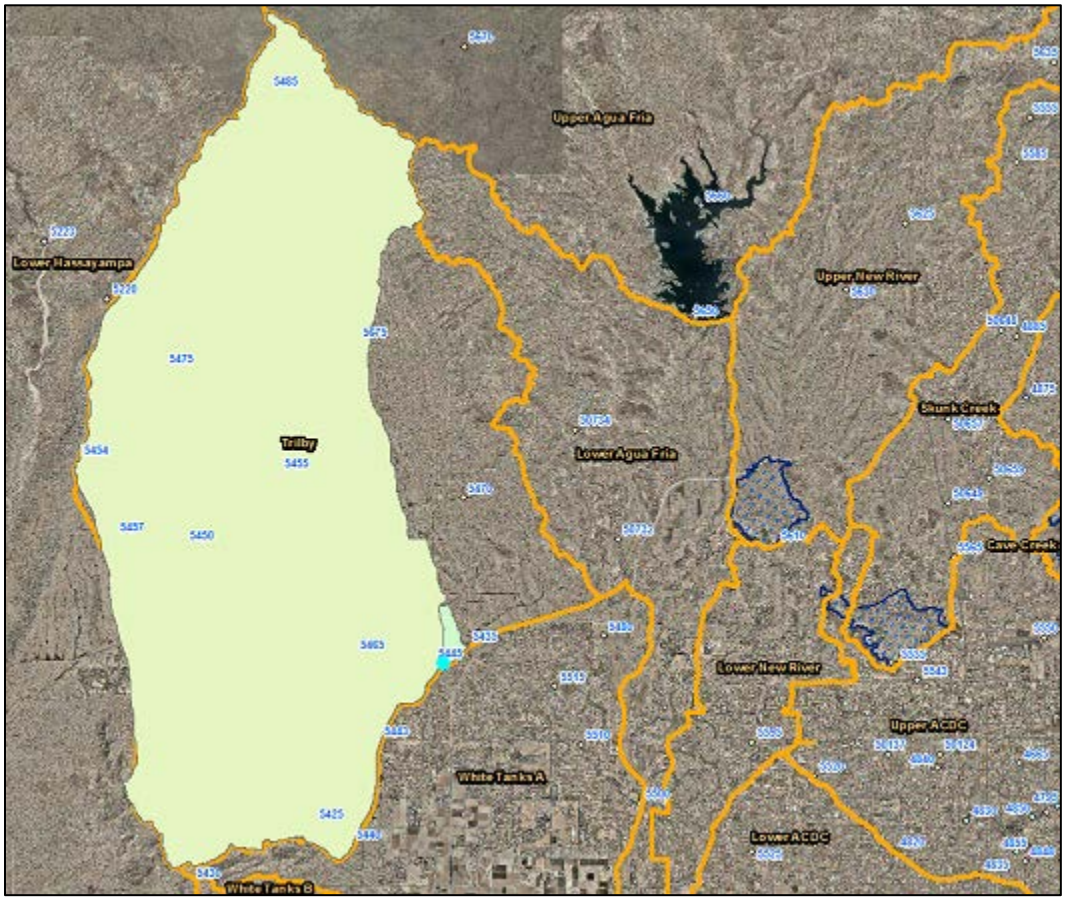
McMicken Floodway, ID #71307

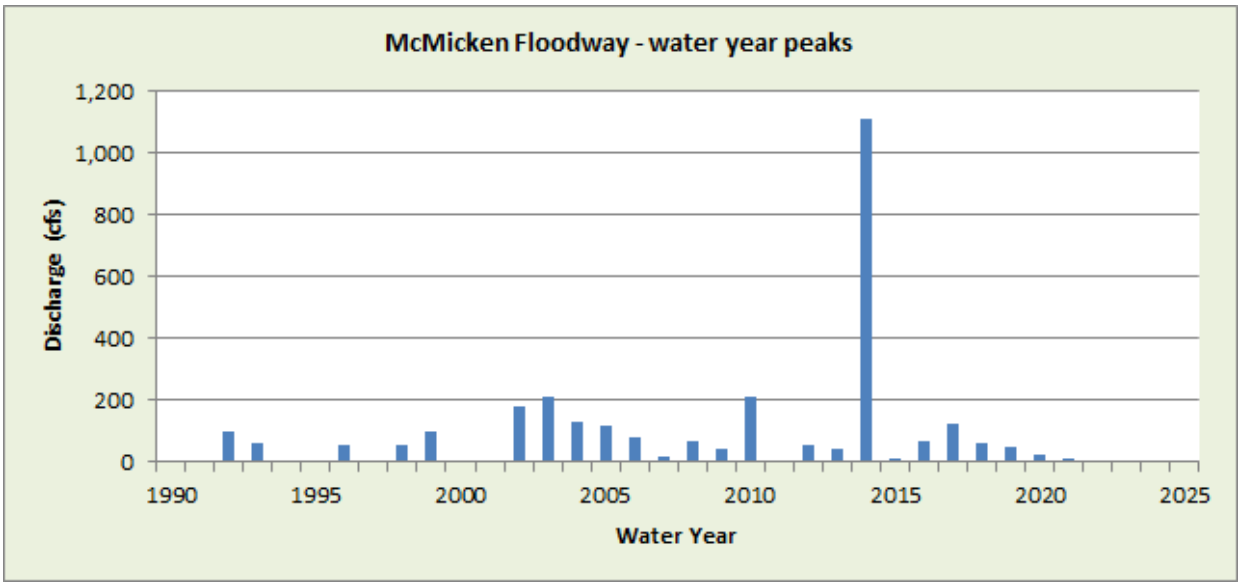


Site Data

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	29.37 Years | 10,727 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

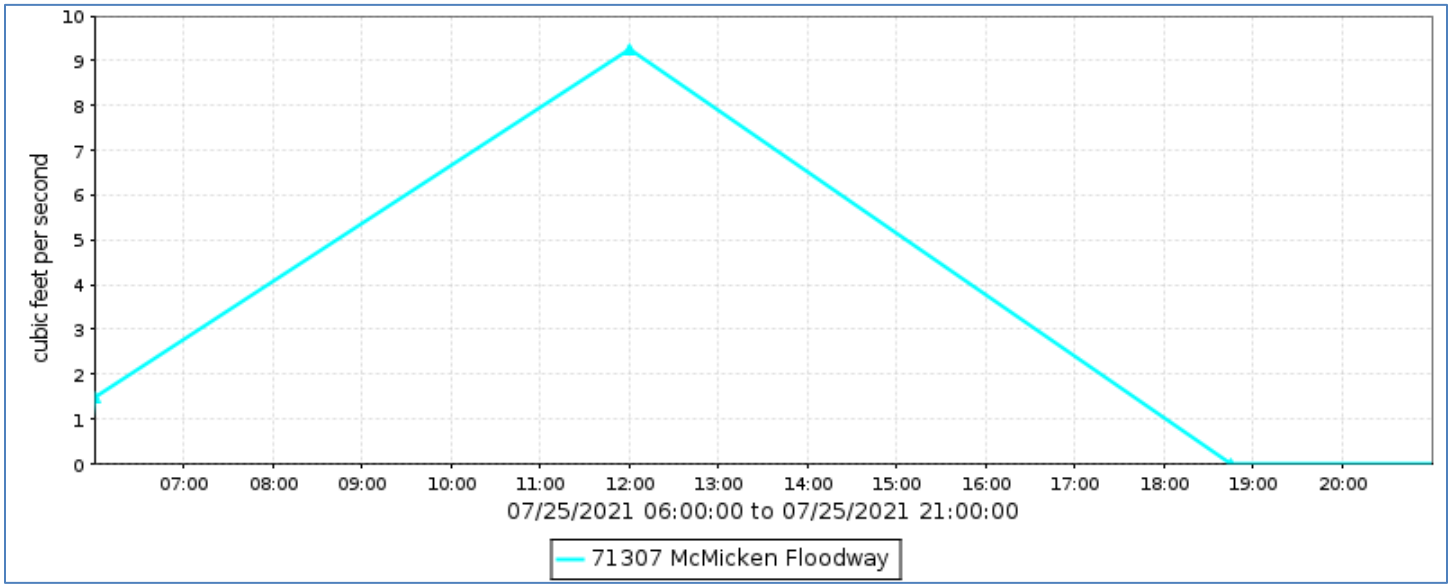




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/25/2021	0.97	9

Hydrograph of peak WY 2021 flow event, 07/25/2021



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**
42	**139**	**249**	**391**	**633**	**859**

NOTE: These results are based on very limited data.

McMicken Floodway, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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18												
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20												
21												
22												
23												
24												
25										3		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	3	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	9	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	6	0	0

WTR YR 2021 TOTAL 3 MEAN 0 MAX 9 MIN 0 AC_FT 6

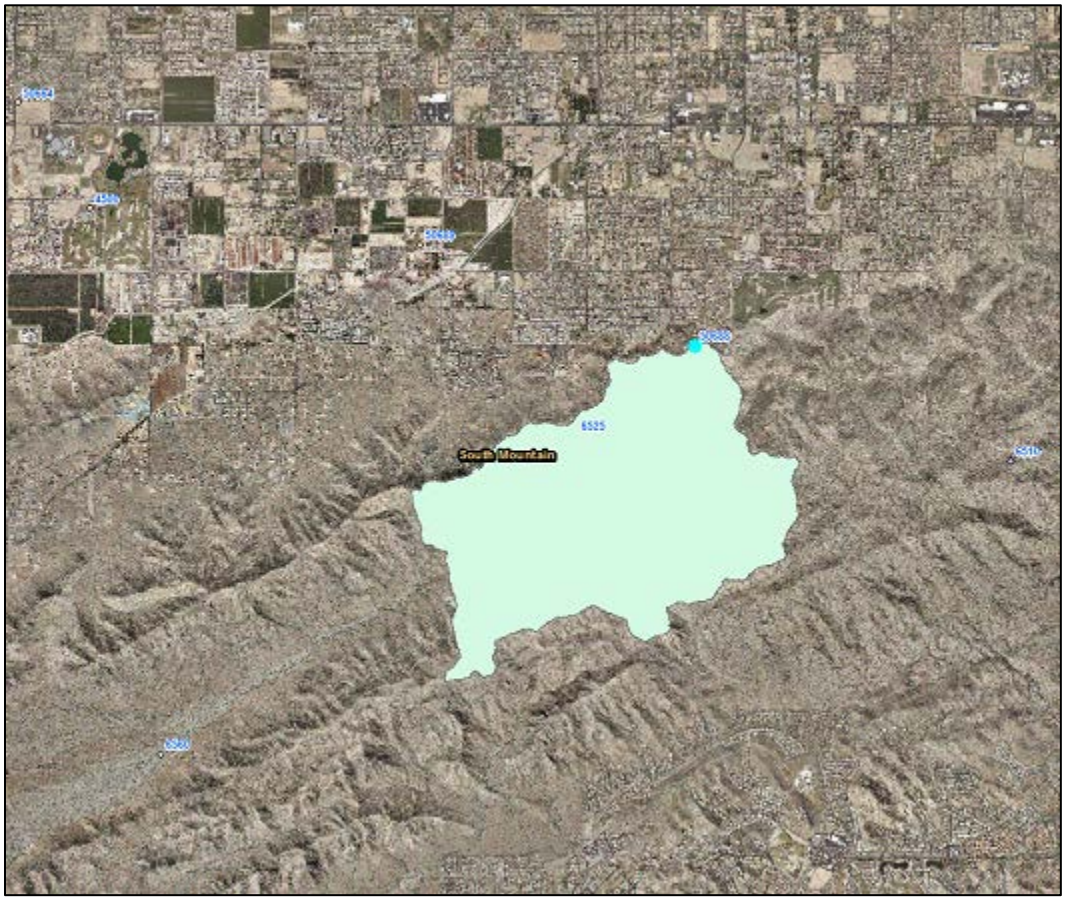
Mineral Canyon Basin, ID #68807

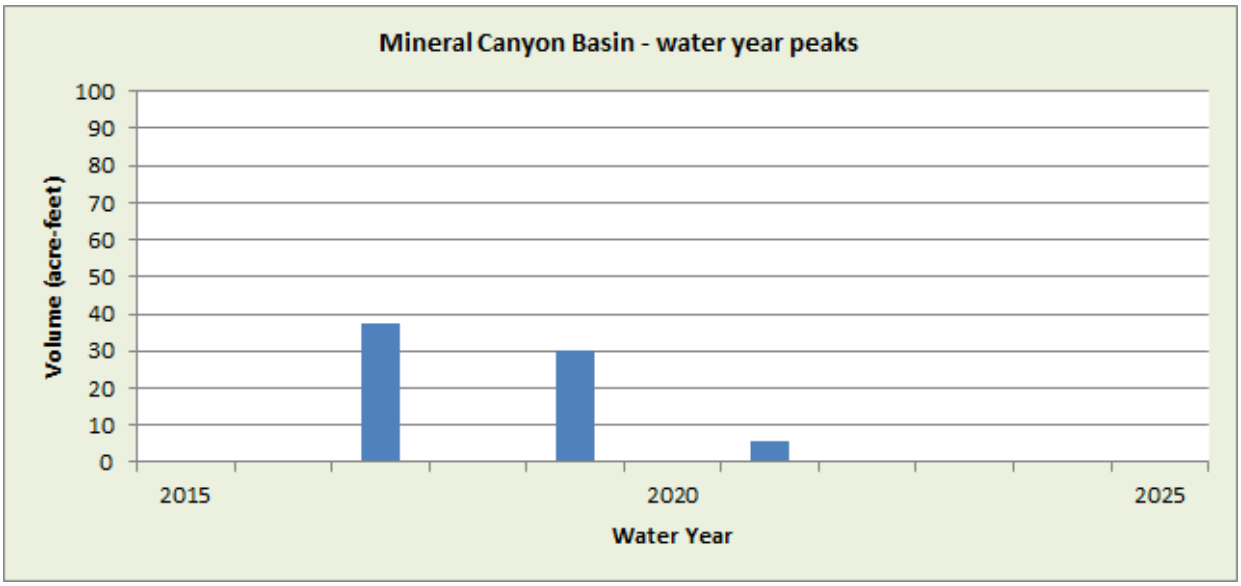


Site Data

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	6.06 Years | 2,213 Days
DATA GAPS IN POR	None
STAGE GAGE ELEVATION	2.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,294.00 feet NAVD88
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

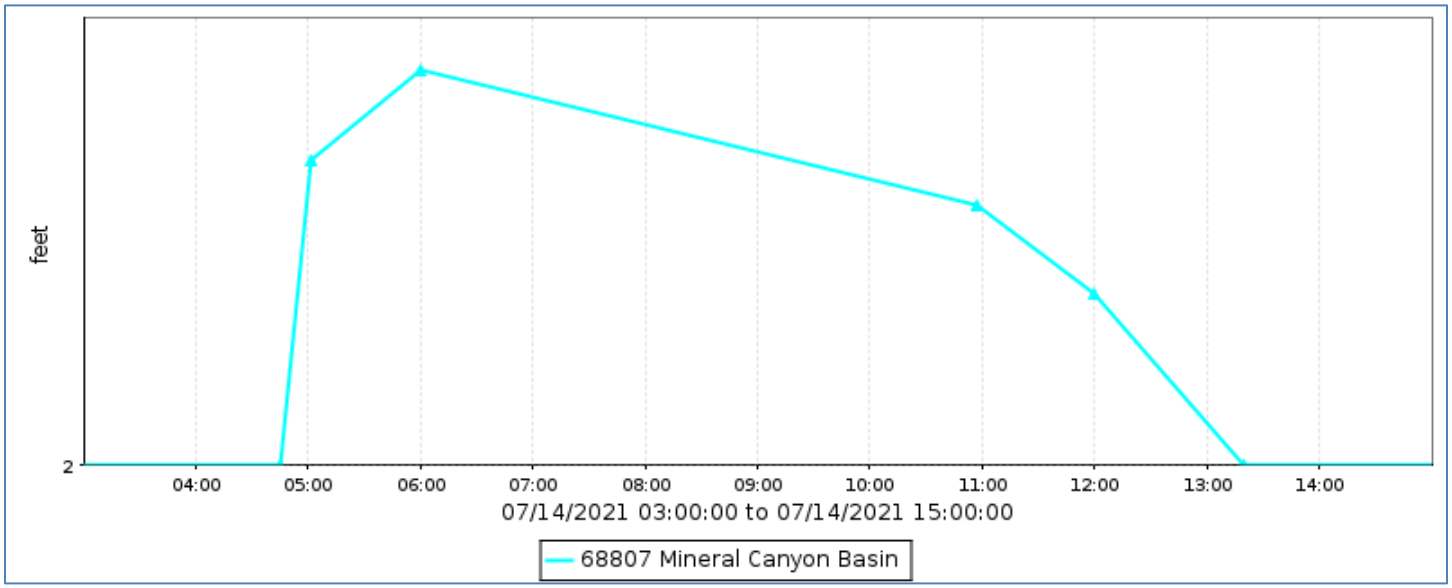




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/14/2021	2.44	5.8	0.0

Hydrograph of peak 2021 impoundment event, 07/14/2021



Mineral Canyon Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Mineral Canyon Basin, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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	6	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 6 MIN 0

Mineral Canyon Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	2.1	2.0	2.0
15	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
16	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
17	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
18	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
19	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
20	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
21	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
22	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
23	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
24	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
25	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
26	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
27	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
28	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
29	2.0	2.0	2.0	2.0	---	2.0	2.0	2.0	2.0	2.0	2.0	2.0
30	2.0	2.0	2.0	2.0	---	2.0	2.0	2.0	2.0	2.0	2.0	2.0
31	2.0	---	2.0	2.0	---	2.0	---	2.0	---	2.0	2.0	---
MEAN	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MAX	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	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 2021 MEAN 2.00 MAX 2.44 MIN 2.00

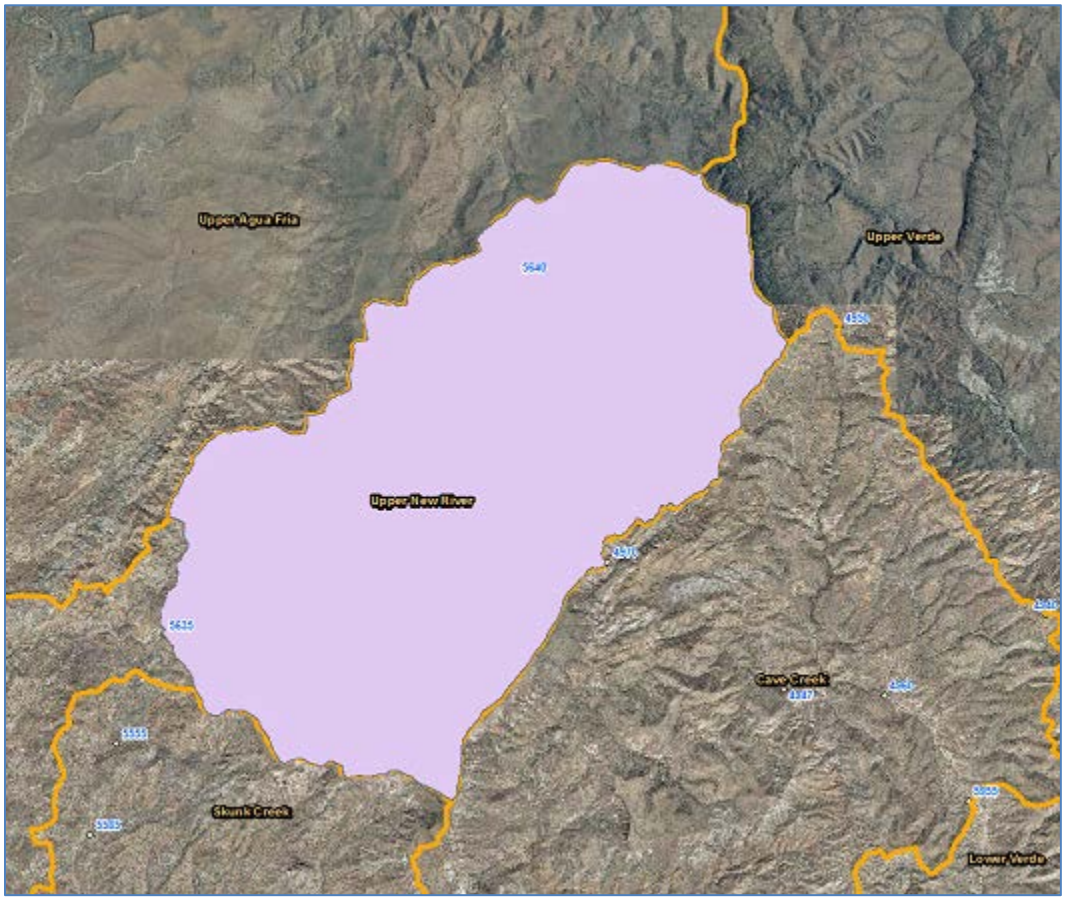
New River Fire, ID #62707

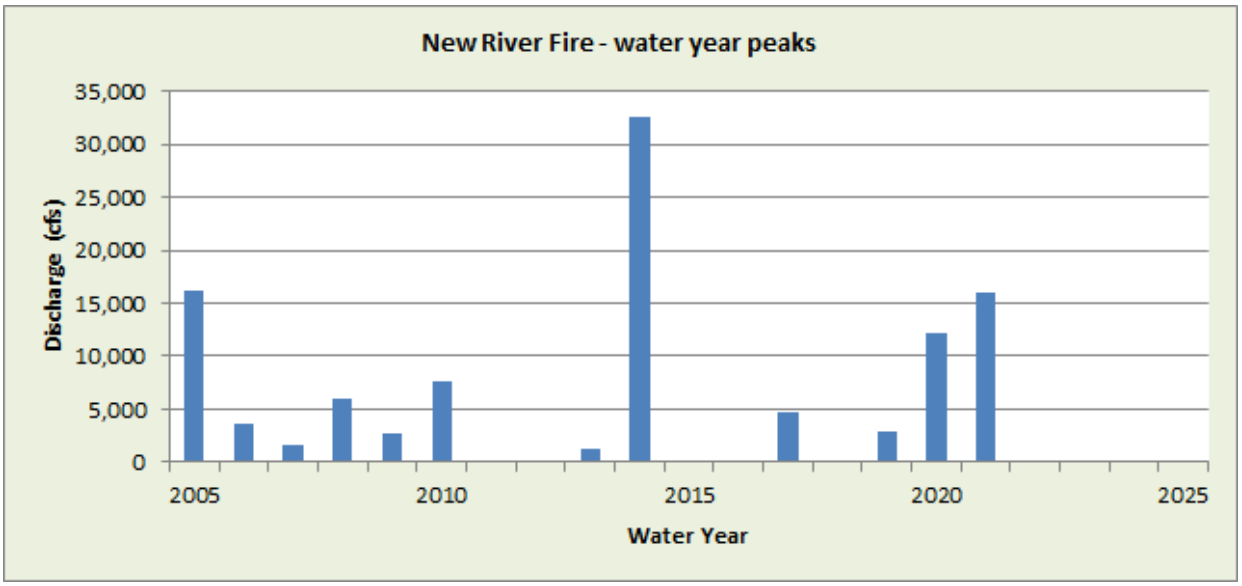


Site Data

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	16.20 Years | 5,917 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

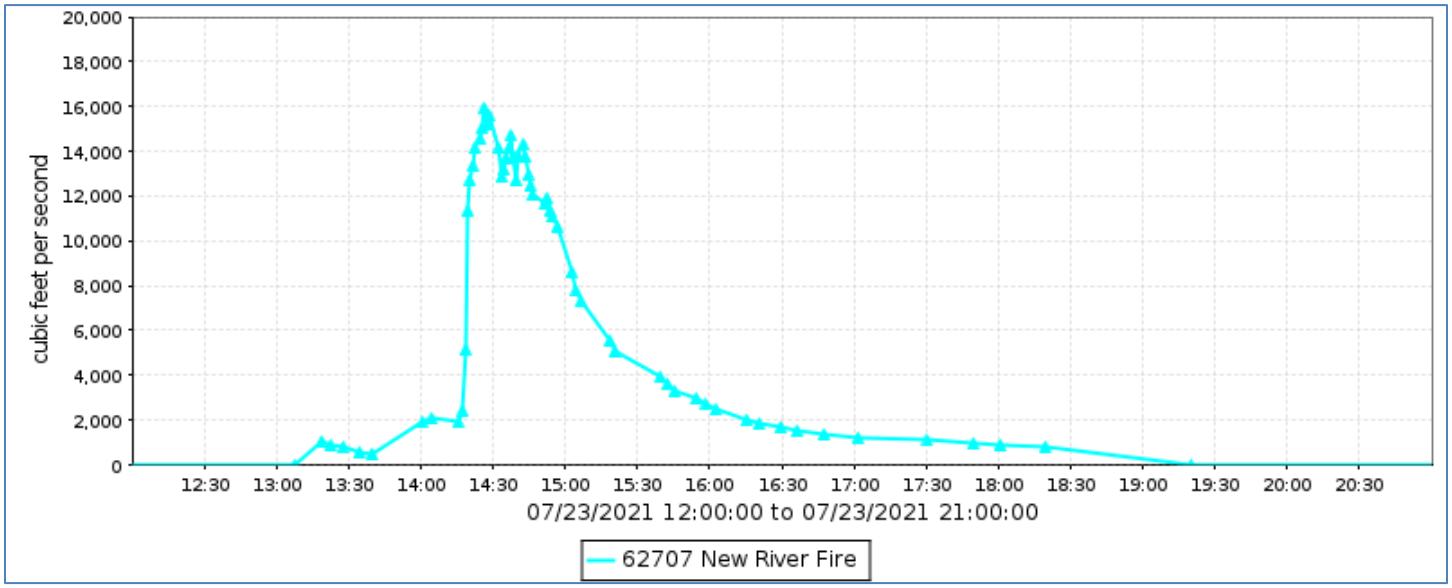




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	7.88	15,962
07/29/2021	1.55	758
08/18/2021	2.93	2,801

Hydrograph of peak WY 2021 flow event, 07/23/2021



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 2020 to September 2021

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											226	
19												
20												
21												
22												
23				---						815		
24				---								
25				---								
26				---								
27				---								
28				---								
29				---	---					34		
30				---	---							
31		---		---	---		---		---		---	---
TOTAL	0	0	0	0	0	0	0	0	0	849	226	0
MEAN	0	0	0	0	0	0	0	0	0	27	7	0
MAX	0	0	0	0	0	0	0	0	0	15962	2801	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	1684	448	0

WTR YR 2021 TOTAL 1075 MEAN 3 MAX 15962 MIN 0 AC_FT 2132

New River at SR303L, ID #62213

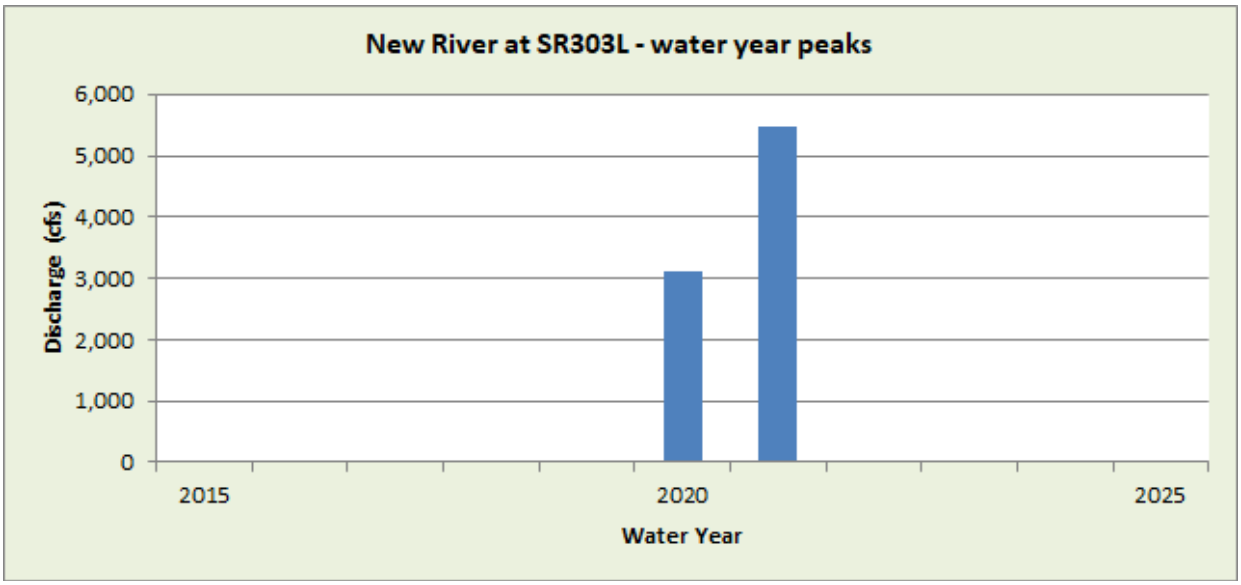


Site Data

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	1.80 Years | 659 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





WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	5.46	5,483

NOTE: Data for the event was recovered from the crest gage. The RADAR gage failed.

Hydrograph of peak WY 2021 flow event,

Gage failed to operate for all events in WY21.

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 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

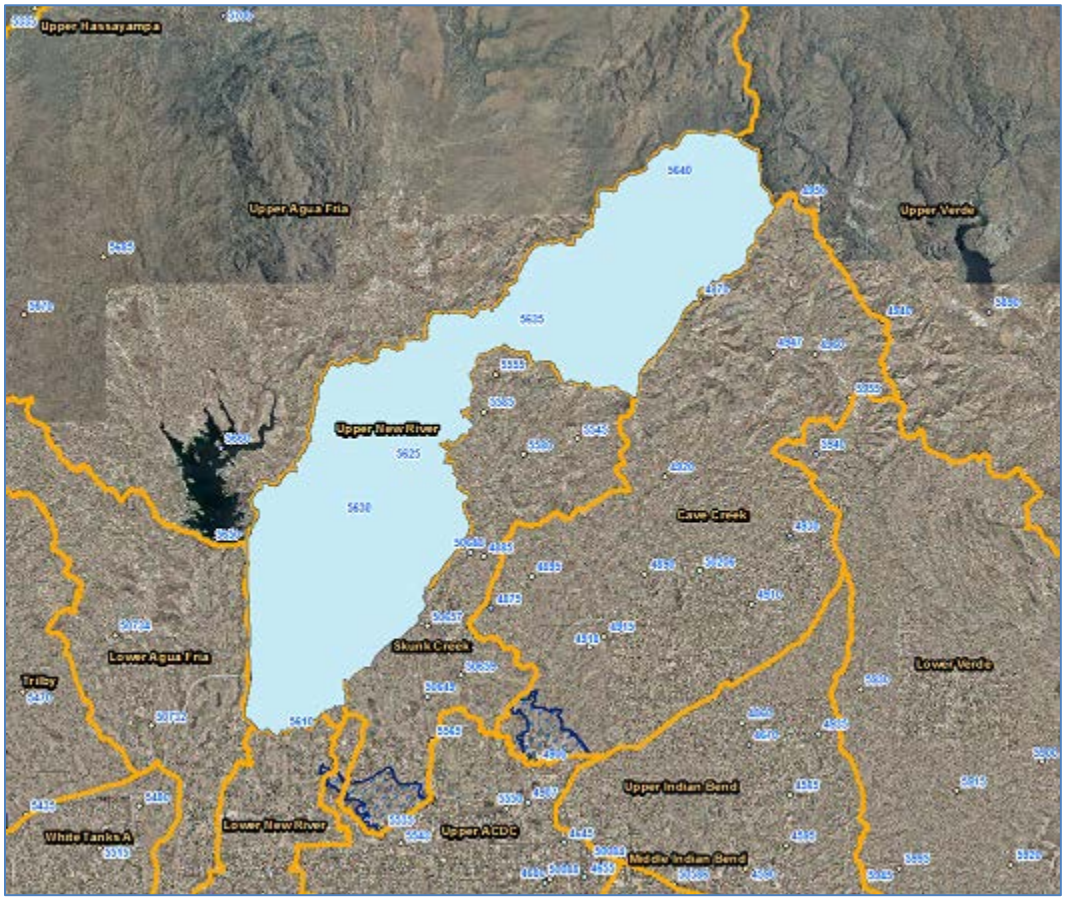
New River Dam Pool, ID #62017

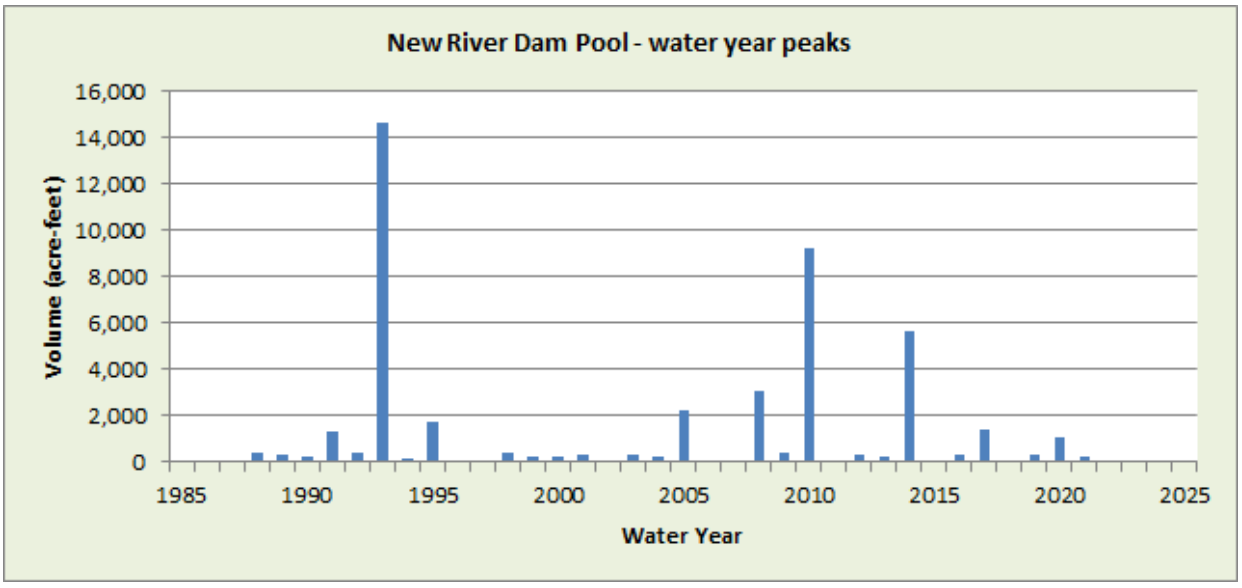


Site Data

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	33.09 Years | 12,085 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

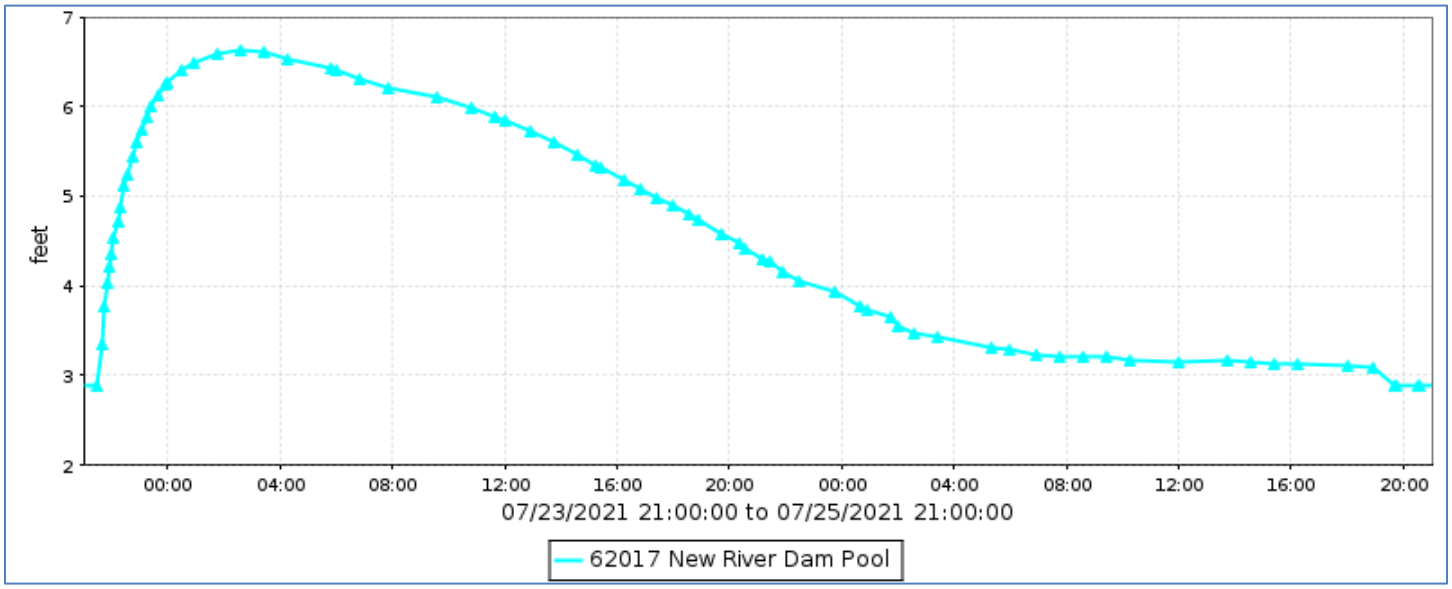




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/24/2021	6.63	260.3	0.6
08/12/2021	4.30	119.0	0.2

Hydrograph of peak 2021 impoundment event, 07/24/2021



New River Dam Pool, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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											46	
13											60	
14											42	
15												
16												
17												
18												
19												
20												
21												
22												
23										17		
24										197		
25										59		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	9	5	0
MAX	0	0	0	0	0	0	0	0	0	260	119	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 1 MAX 260 MIN 0

New River Dam Pool, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	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	3.3	2.9
13	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9
14	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.2	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	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
21	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
22	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
23	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.1	2.9	2.9
24	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.6	2.9	2.9
25	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.2	2.9	2.9
26	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
27	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
28	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
29	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
30	2.9	2.9	2.9	2.9	---	2.9	2.9	2.9	2.9	2.9	2.9	2.9
31	2.9	---	2.9	2.9	---	2.9	---	2.9	---	2.9	2.9	---
MEAN	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9	2.9
MAX	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	6.6	4.3	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 2021 MEAN 2.89 MAX 6.63 MIN 2.88

New River Dam Outlet, ID #62007

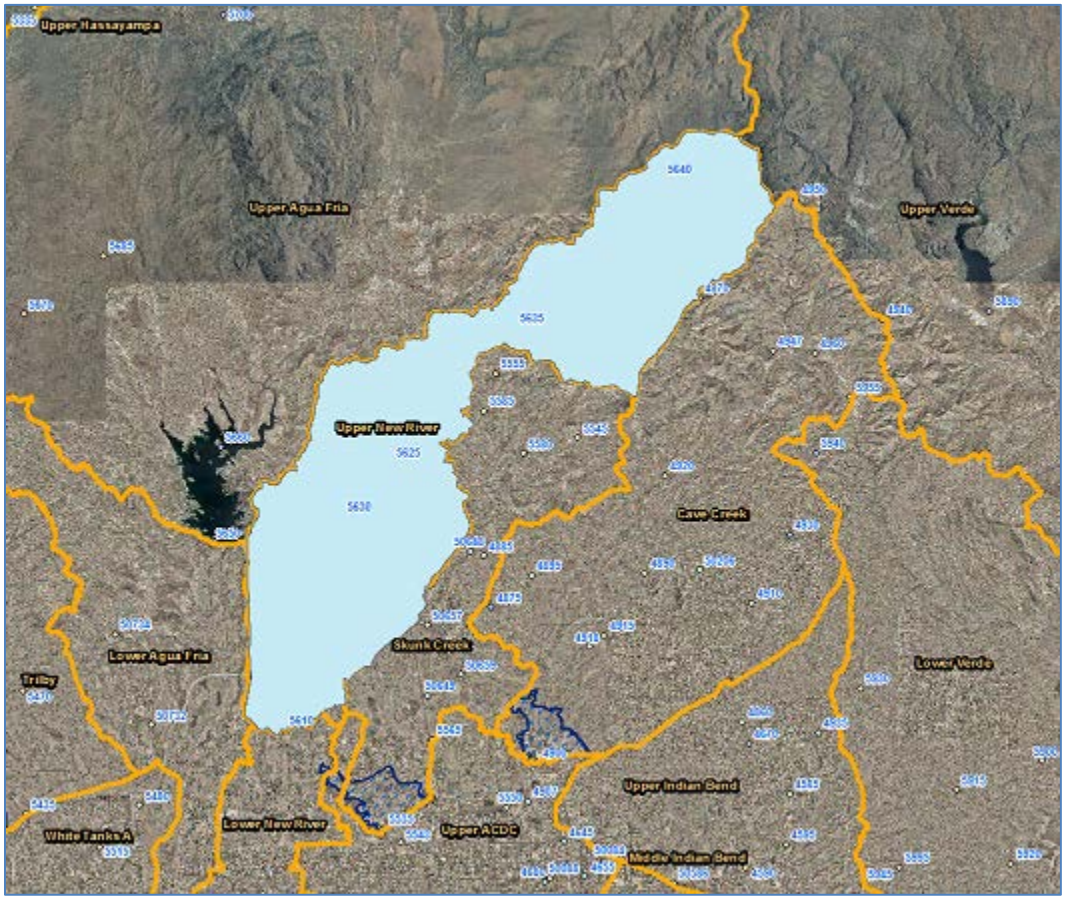


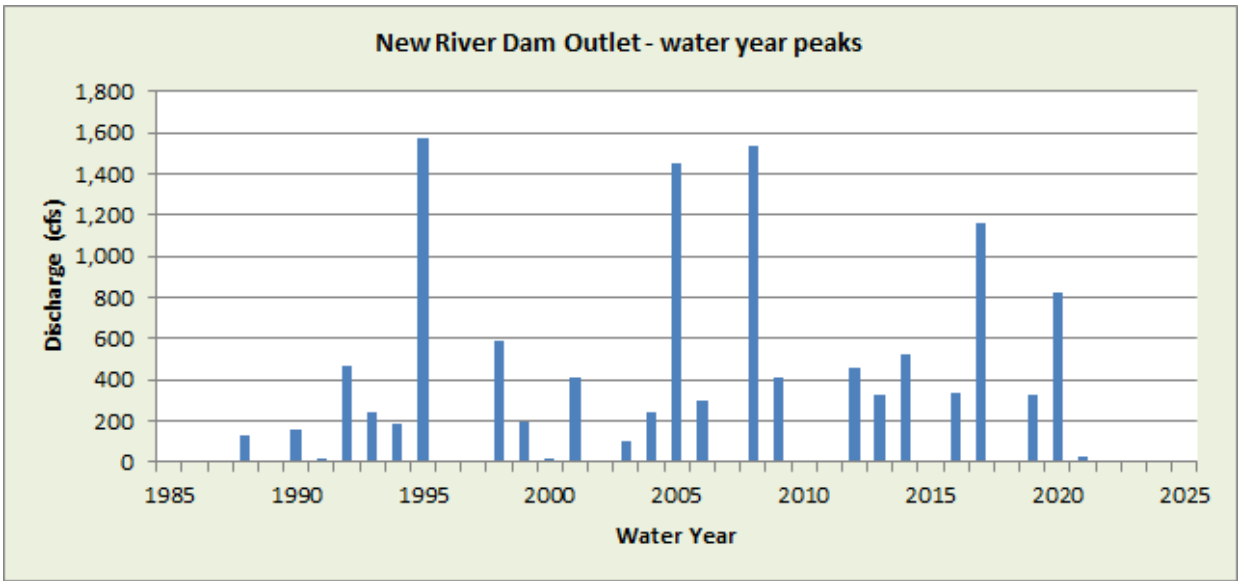
Site Data

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	33.09 Years | 12,085 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

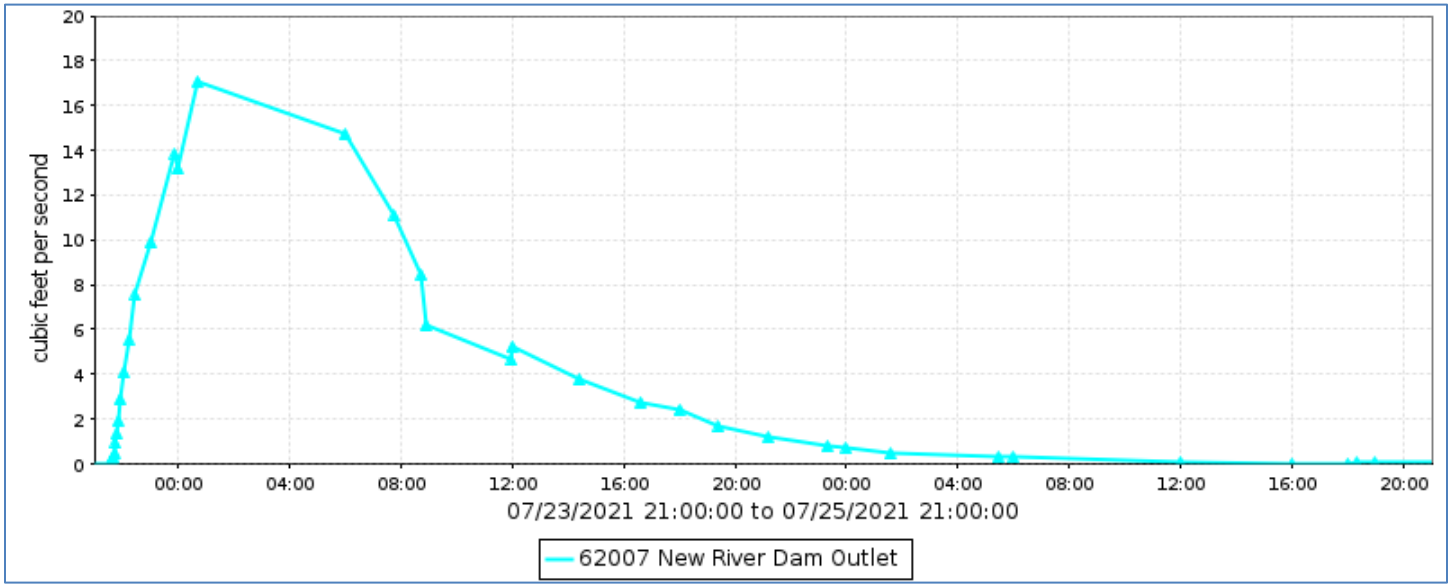




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/24/2021	3.54	17
08/12/2021	3.75	26
08/14/2021	3.50	16

Hydrograph of peak WY 2021 flow event, 07/24/2021



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 2020 to September 2021

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												
14											6	
15												
16												
17												
18												
19												
20												
21												
22												
23										1		
24										8		
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	9	14	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	17	26	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	18	29	0

WTR YR 2021 TOTAL 23 MEAN 0 MAX 26 MIN 0 AC_FT 46

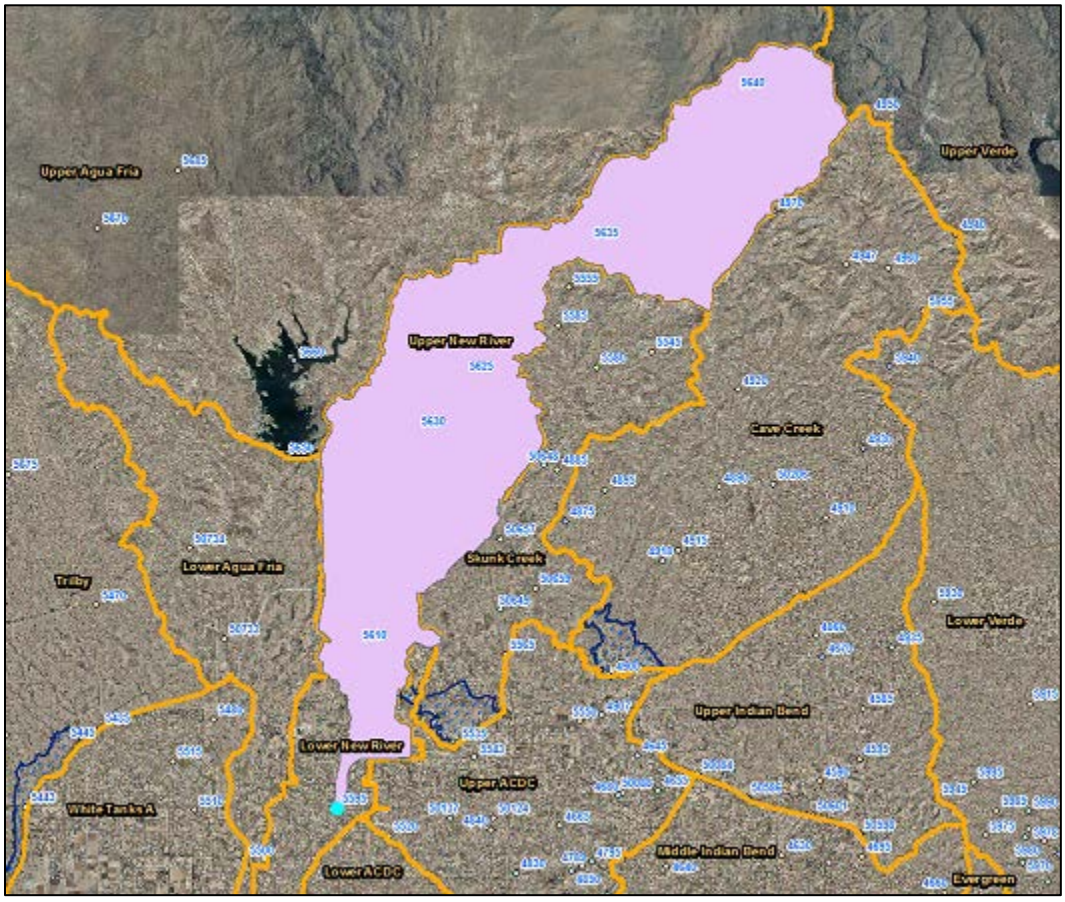
New River at Bell Road, ID #61707

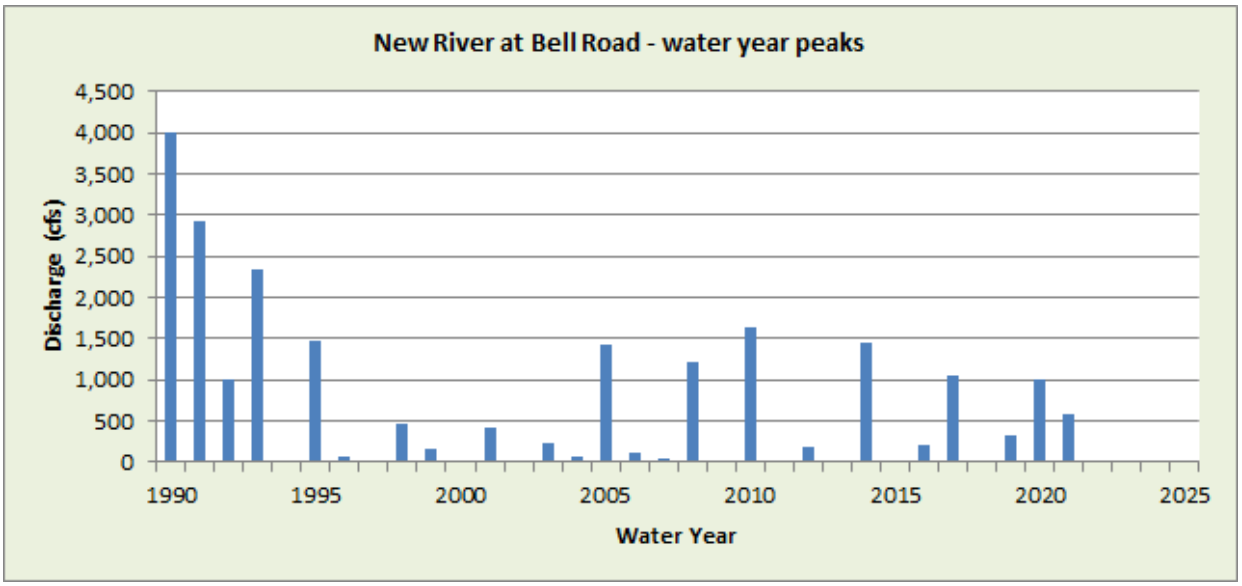


Site Data

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	31.49 Years | 11,503 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

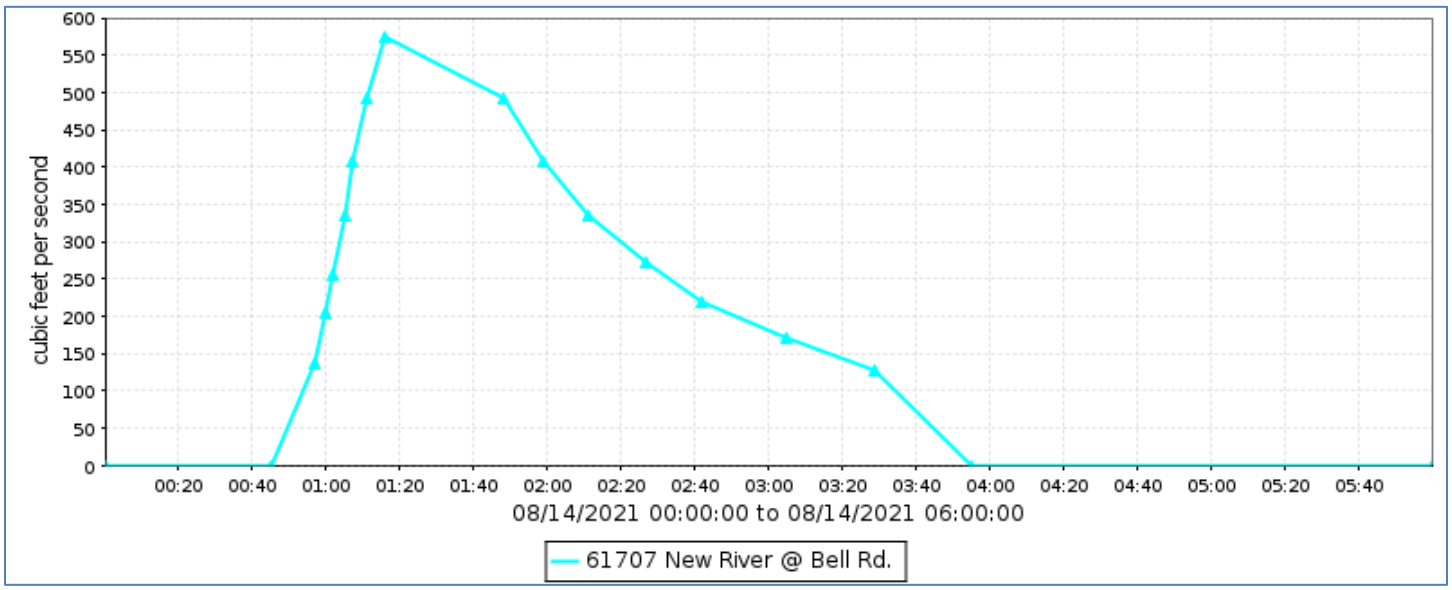




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/21/2021	0.42	137
07/25/2021	0.90	408
07/25/2021	0.50	172
08/14/2021	1.10	574

Hydrograph of peak WY 2021 flow event, 08/14/2021



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**
181	**1,170**	**2,610**	**4,630**	**8,130**	**11,300**

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 2020 to September 2021

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											40	
15												
16												
17												
18												
19												
20												
21										12		
22												
23												
24										11		
25										59		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	81	40	0
MEAN	0	0	0	0	0	0	0	0	0	3	1	0
MAX	0	0	0	0	0	0	0	0	0	408	574	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	162	79	0

WTR YR 2021 TOTAL 121 MEAN 0 MAX 574 MIN 0 AC_FT 240

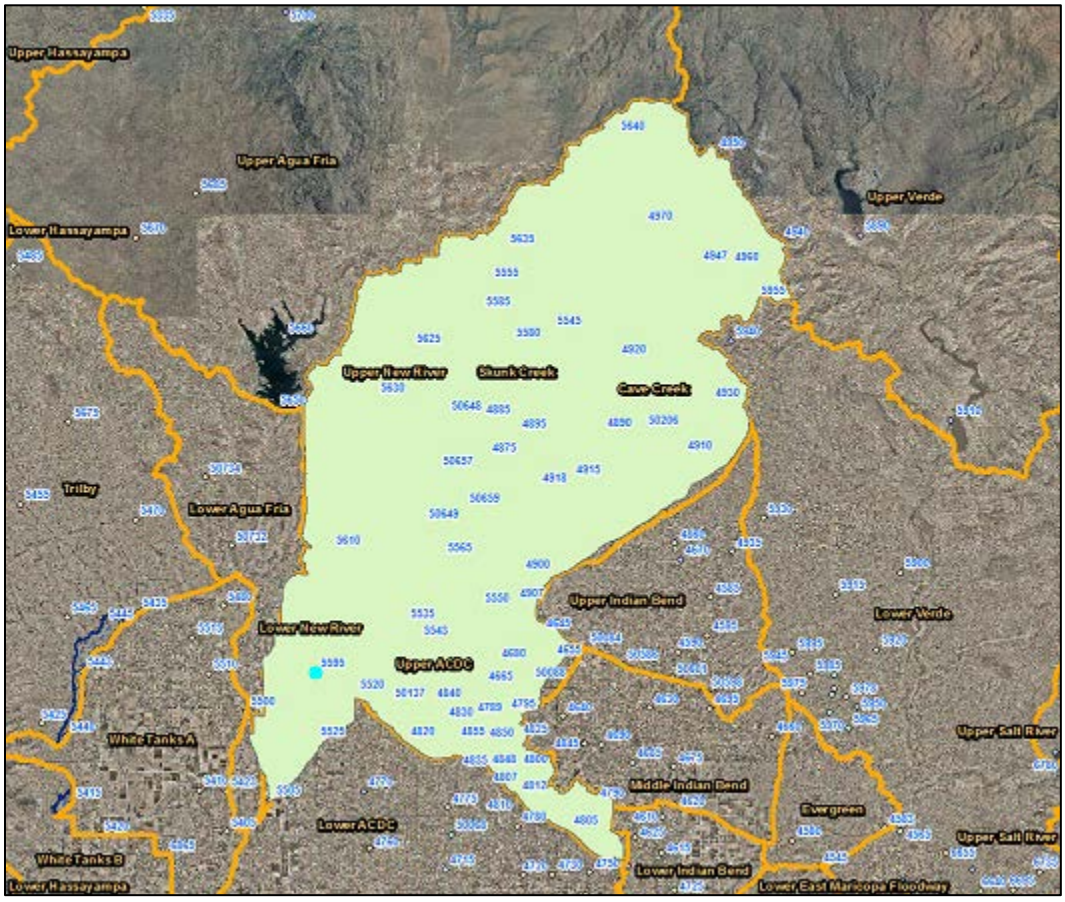
New River at Glendale Avenue, ID #61507 (transducer), #61513 (radar)

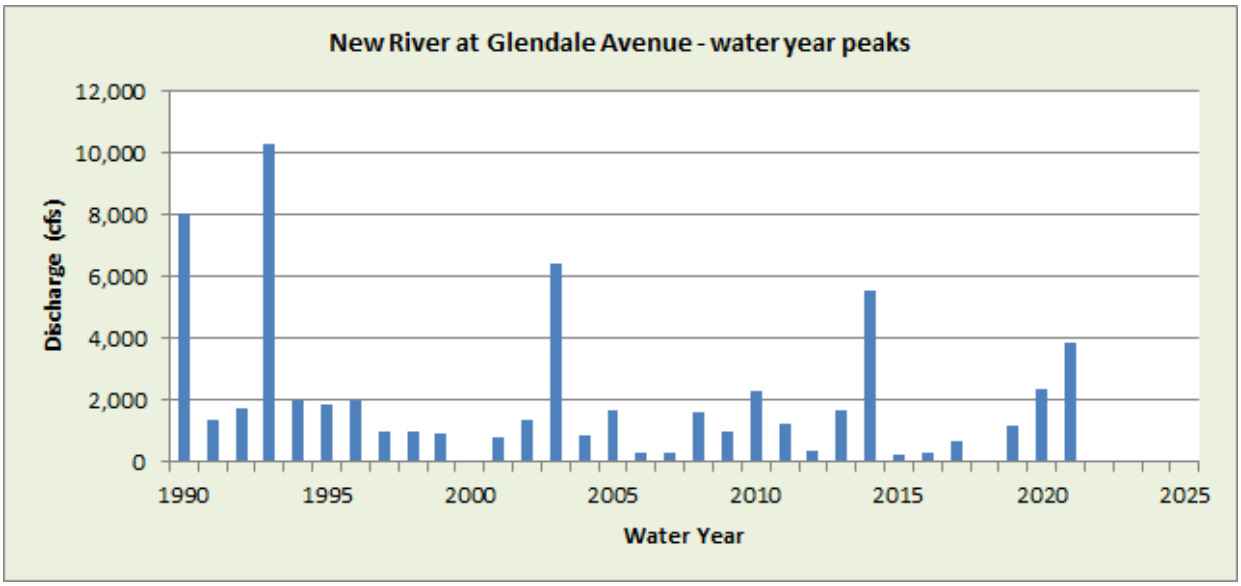


Site Data

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	31.53 Years | 11,517 Days
DATA GAPS IN POR (61507)	08/23/2006 - 03/07/2007
DATA GAPS IN POR (61513)	04/16/2021 – 09/20/2021
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





WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
12/10/2020	2.46	271
01/25/2021	1.89	159
08/14/2021	4.85	3,845

Hydrograph of peak WY 2021 flow event,

No hydrographs available for peak events due to gage issues.

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**
1,230	**2,880**	**4,550**	**6,700**	**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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	4	4	31	4			---	---	---	---	---
2	21	4	12	34	4		35	---	---	---	---	---
3	24	4	24	37	4		33	---	---	---	---	---
4	23	4	23	42	4		32	---	---	---	---	---
5	23	4	23	38	4		28	---	---	---	---	---
6	23	4	27	33	4		29	---	---	---	---	---
7	25	4	32	34	4		27	---	---	---	---	---
8	16	4	29	32	4		31	---	---	---	---	---
9	15	4	29	34	4		29	---	---	---	---	---
10	25	4	87	34	4		30	---	---	---	---	---
11	25	4	51	31	4		33	---	---	---	---	---
12	19	4	24	31	4		38	---	---	---	---	---
13	17	4	20	30	4		37	---	---	---	---	---
14	20	4	22	27	4		35	---	---	---	---	---
15	20	4	23	31	4		33	---	---	---	---	---
16	19	4	23	31	4		---	---	---	---	---	---
17	22	4	22	35	4		---	---	---	---	---	---
18	19	4	22	35	4		---	---	---	---	---	---
19	21	4	23	38	4		---	---	---	---	---	---
20	18	4	23	31	4		---	---	---	---	---	---
21	18	4	25	29	4		---	---	---	---	---	13
22	19	4	28	31	4		---	---	---	---	---	10
23	22	4	30	31	4		---	---	---	---	---	12
24	25	4	26	47	4		---	---	---	---	---	15
25	22	4	29	74	4		---	---	---	---	---	15
26	24	4	28	72	4		---	---	---	---	---	18
27	23	4	28	35			---	---	---	---	---	20
28	26	4	30	23			---	---	---	---	---	14
29	22	4	33	27	---		---	---	---	---	---	12
30	4	4	44	4	---		---	---	---	---	---	13
31	4	---	53	4	---		---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	20	4	29	34	4	0	32	---	---	---	---	14
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---

WTR YR 2021 TOTAL --- MEAN 24 MAX --- MIN --- AC_FT ---

NOTE: Gage was removed for construction April 16, 2021 – September 20, 2021.

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 2020 to September 2021

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		---			---		---		---			---
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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

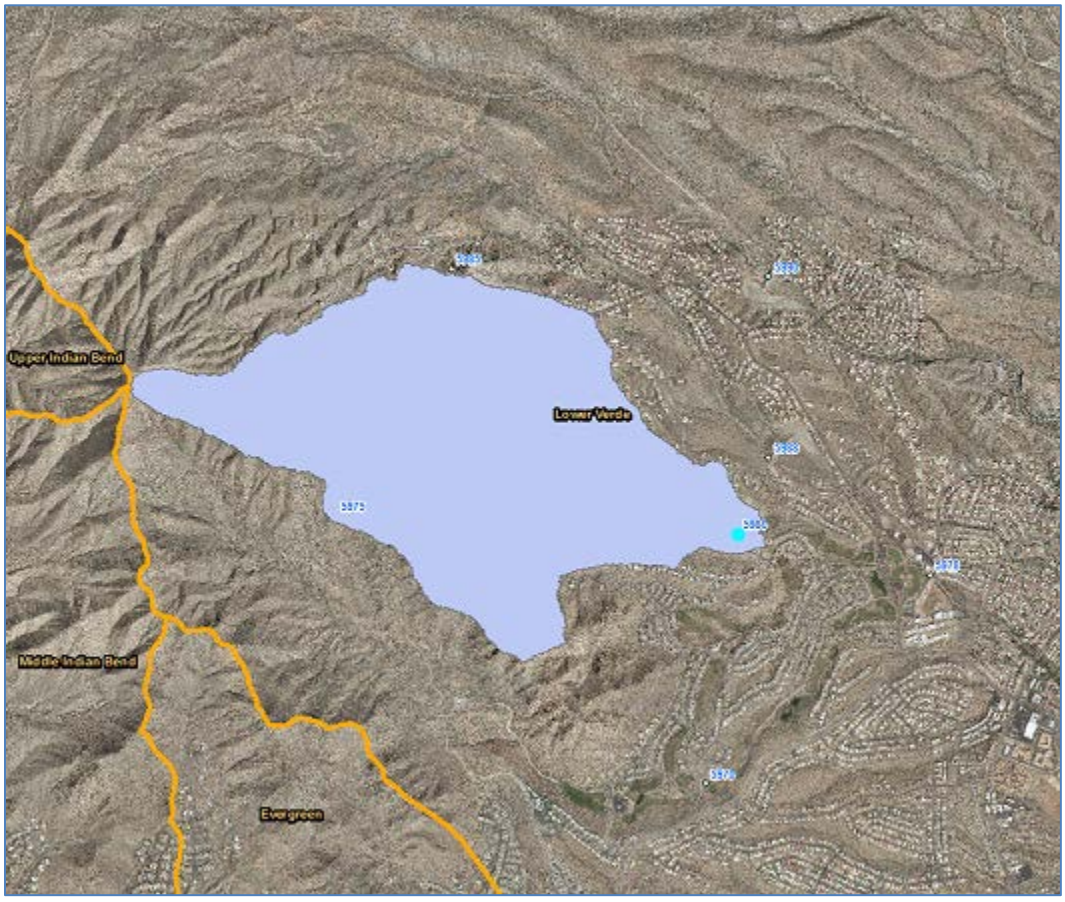
North Heights Dam, ID #78207

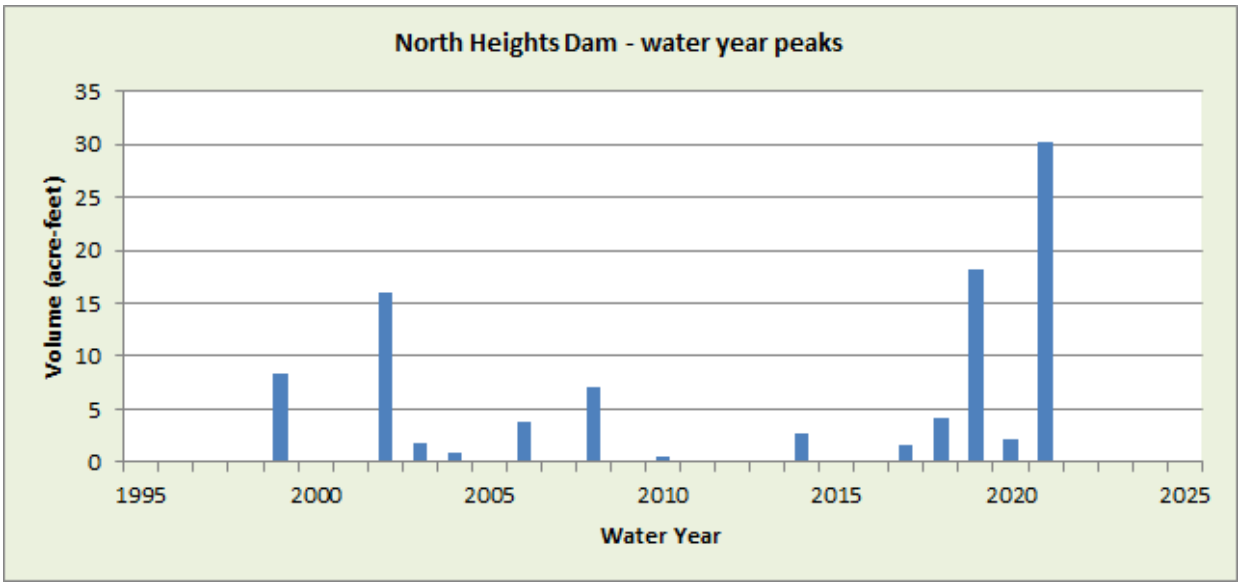


Site Data

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	24.97 Years | 9,121 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

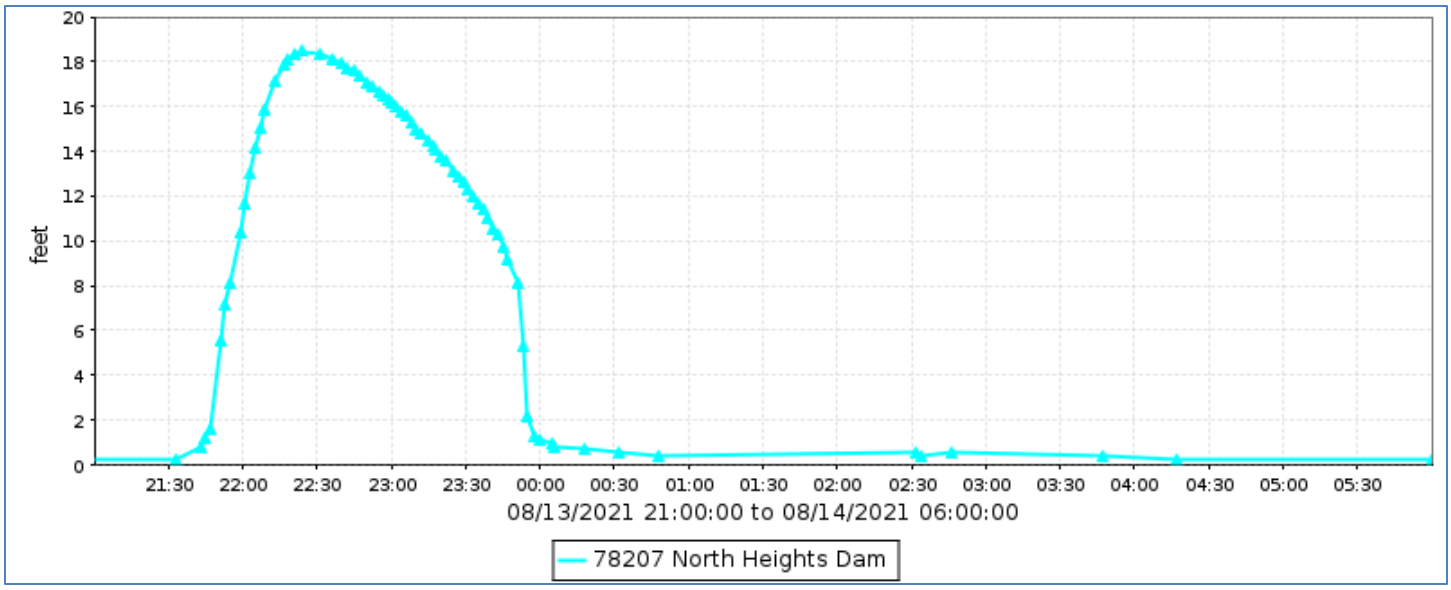




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/03/2021	1.12	0.0	0.0
07/22/2021	1.52	0.1	0.1
07/23/2021	8.26	3.0	2.3
08/11/2021	10.51	5.7	4.2
08/11/2021	9.28	3.9	2.9
08/13/2021	18.47	30.3	22.0
08/16/2021	2.35	0.1	0.1
08/18/2021	2.34	0.1	0.1

Hydrograph of peak 2021 impoundment event, 08/13/2021



North Heights Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											11	
12												
13											18	
14											1	
15												
16											1	
17												
18											1	
19												
20												
21												
22												
23										5		
24												
25												
26												
27												
28	1											
29					---							
30					---							
31		---			---		---		---			---
TOTAL	1	0	0	0	0	1	0	0	0	6	32	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	4	0	0	0	0	3	0	0	0	145	250	10
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2	0	0	0	0	1	0	1	0	11	64	1

WTR YR 2021 TOTAL 40 MEAN 0 MAX 250 MIN 0 AC_FT 80

North Heights Dam, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
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MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	3	30	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 30 MIN 0

North Heights Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.3
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.8	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	1.5	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	0.3	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	0.3	0.2	0.3	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.5	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.3	0.3
MAX	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	8.3	18.5	0.8
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2021 MEAN 0.26 MAX 18.47 MIN 0.25

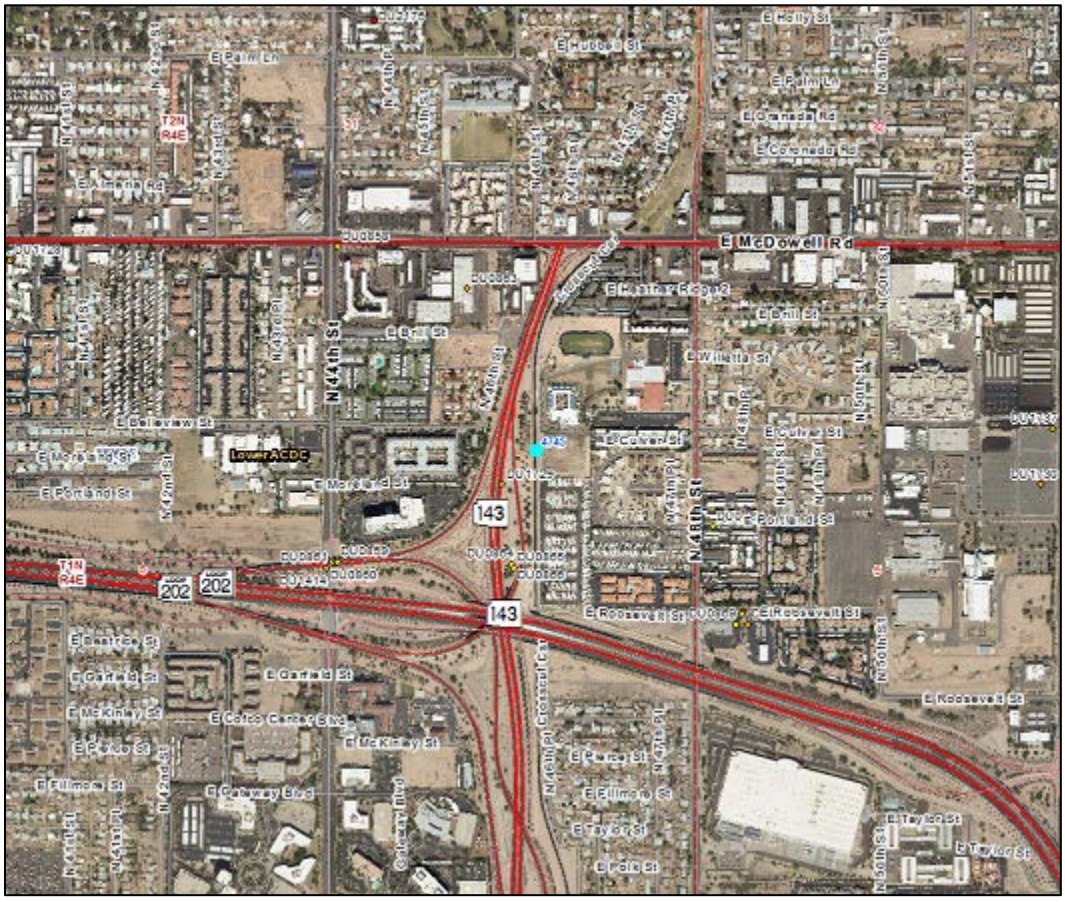
Old Crosscut Canal near McDowell Road, ID #4707

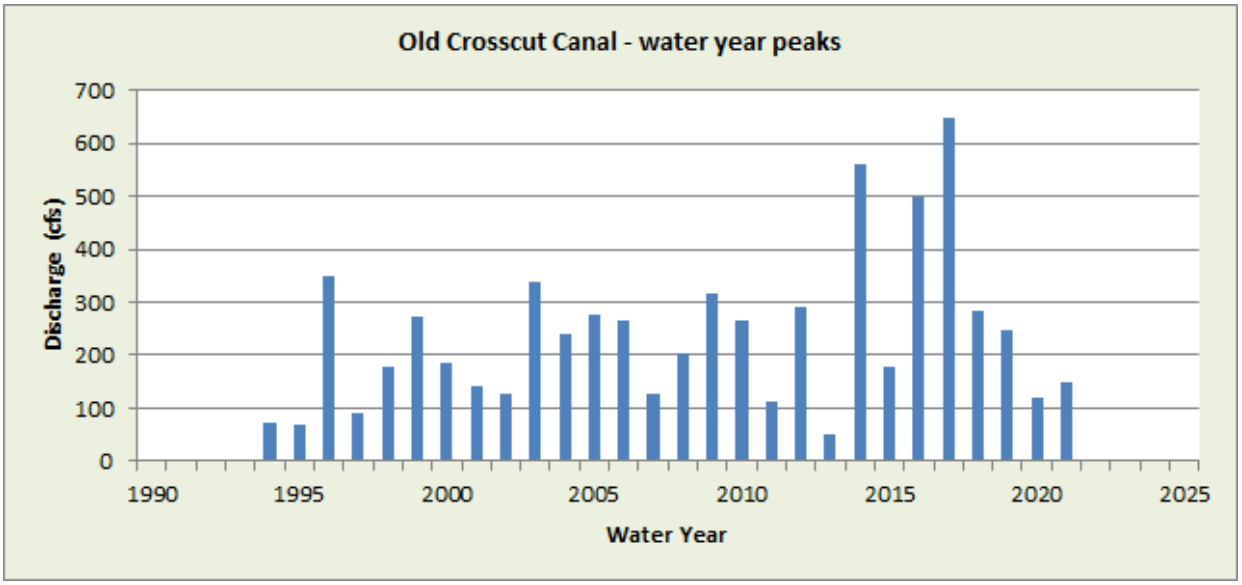


Site Data

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	27.18 Years | 9,928 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*)

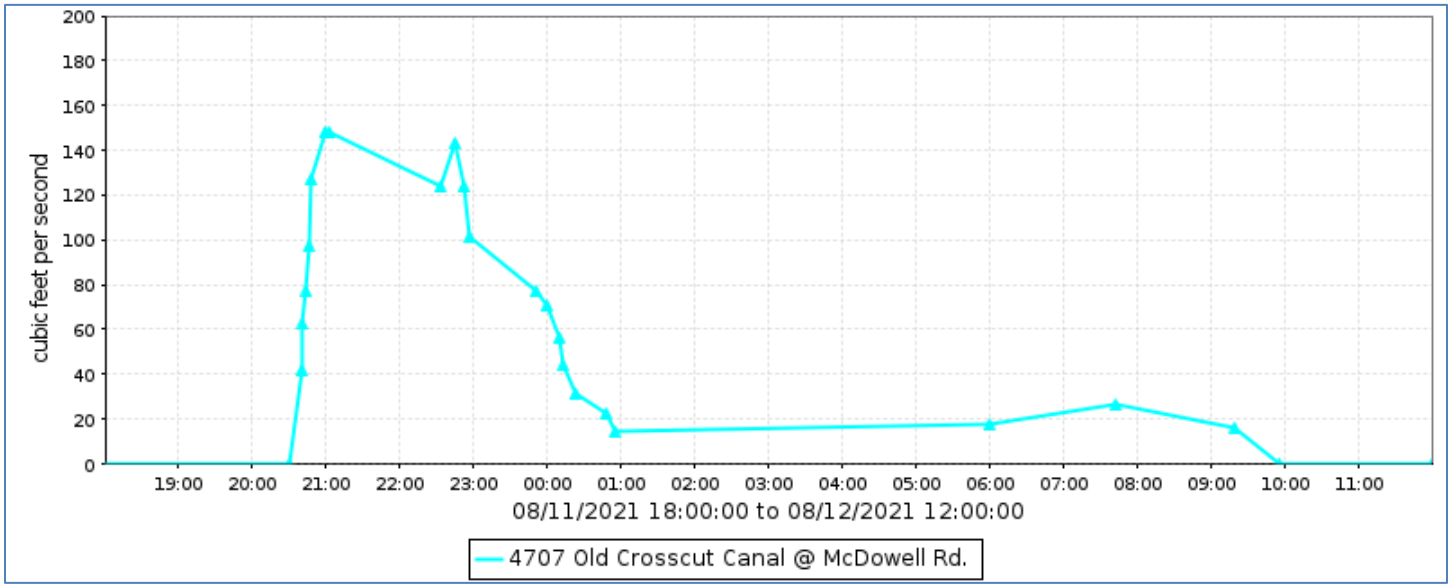




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	1.39	127
08/11/2021	1.52	148

Hydrograph of peak WY 2021 flow event, 08/11/2021



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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2							4					1
3							4			2		
4							2					
5							6					
6							4					
7							7				2	
8							4					
9							6					
10							4					
11							6				17	
12							8				8	
13							3				1	
14										3	6	
15												
16									1		1	
17									16		1	
18												
19												
20												
21										2		
22										5		
23										19		
24										3		
25										3		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	57	0	17	37	38	1
MEAN	0	0	0	0	0	0	2	0	1	1	1	0
MAX	0	0	0	0	0	0	9	0	44	127	148	13
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	113	0	33	74	75	1

WTR YR 2021 TOTAL 149 MEAN 0 MAX 148 MIN 0 AC_FT 295

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

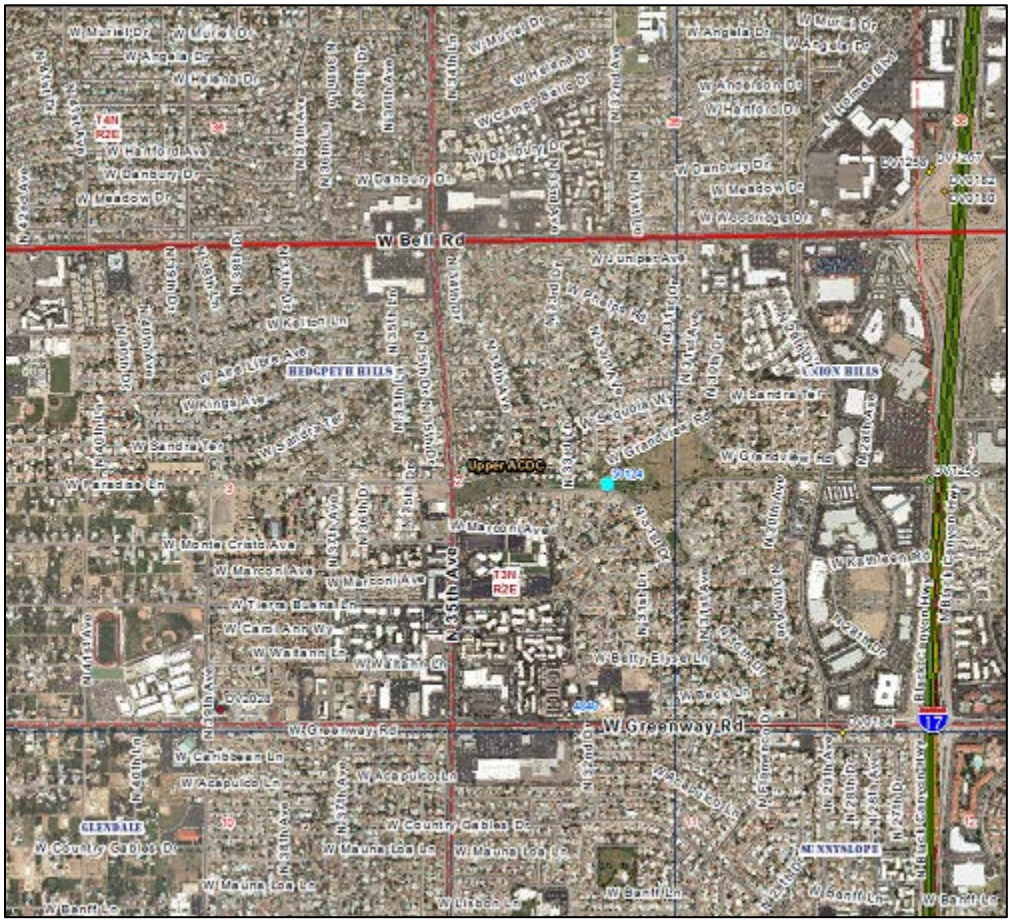
Paradise Lane at 33rd Drive Basin, ID #12407



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	5.98 Years | 2,185 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

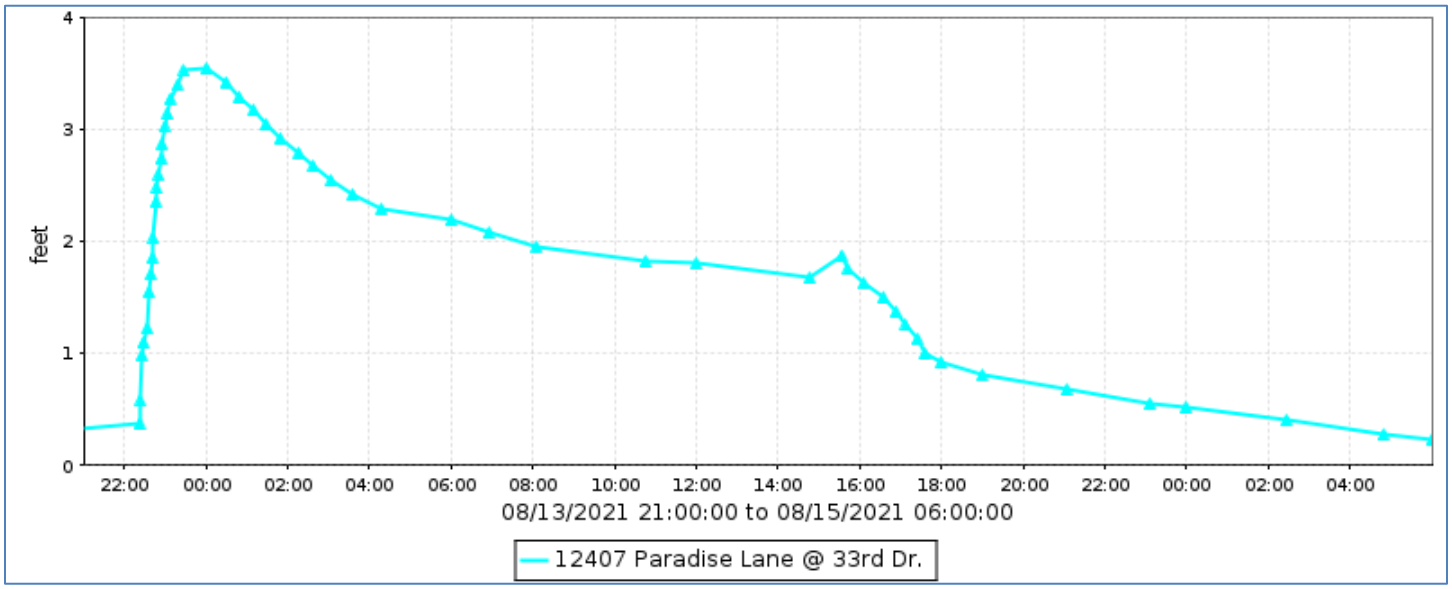
Location Map


W Bell Rd
W Greenway Rd
Upper ACDC
T3N R2E
T4N R2E
N 35th Ave
N 33rd Ave
W Marconi Ave
W Monte Cristo Ave
W Paradise Ln
W Sandra Ter
W Grandview Rd
W Juniper Ave
W Angela Dr
W Hatcher Rd
W Cambridge Dr
W Meadow Dr
W Mercury Ln
W Caribbean Ln
W Acapulco Ln
W Country Gables Dr
W Mauna Loa Ln
W Banff Ln
W Lisbon Ln
W Betty Elyse Ln
W Beck Ln
W Kelton Ln
W Aire Libre Ave
W Kings Ave
W Taro Ln
W Cielo Azul Way
W Wahalla Ln
W Wahoo Dr
W Mercury Ln
W Meadow Dr
W Cambridge Dr
W Hatcher Rd
W Angela Dr
W Mercury Ln
W Juniper Ave
W Grandview Rd
W Sandra Ter
W Kelton Ln
W Aire Libre Ave
W Kings Ave
W Paradise Ln
W Monte Cristo Ave
W Marconi Ave
W Taro Ln
W Cielo Azul Way
W Wahalla Ln
W Wahoo Dr
W Betty Elyse Ln
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W Caribbean Ln
W Acapulco Ln
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N 3401st Dr
N 3403rd Dr
N 3405th Dr
N 3407th Dr
N 3409th Dr
N 3411th Dr
N 3413th Dr
N 3415th Dr
N 3417th Dr
N 3419th Dr
N 3421st Dr
N 3423rd Dr
N 3425th Dr
N 3427th Dr
N 3429th Dr

WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2020	1.52	12.0	14.3
01/25/2021	1.65	13.4	15.9
01/29/2021	0.82	5.8	6.8
07/02/2021	1.77	14.7	17.4
07/03/2021	1.40	10.9	12.9
07/14/2021	1.50	11.8	14.0
07/22/2021	2.82	27.8	32.9
07/23/2021	2.12	18.6	22.0
08/14/2021	3.54	39.9	47.2
08/17/2021	2.99	30.3	35.8
08/18/2021	2.54	23.8	28.2
09/26/2021	0.92	6.6	7.7

Hydrograph of peak 2021 impoundment event, 08/14/2021



Paradise Lane at 33rd Drive Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										1		
2										4		
3										3		
4										1		
5												
6												
7												
8												
9												
10			5									
11												
12												
13											3	
14										3	19	
15											1	
16												
17											11	
18											8	
19											1	
20												
21												
22										2		
23										17		
24										1		
25				7								
26				6								3
27												
28												
29				2	---							
30					---							
31		---			---		---		---	1		---
TOTAL	1	0	5	15	0	0	0	0	0	33	44	4
MEAN	0	0	0	0	0	0	0	0	0	1	1	0
MAX	1	0	17	17	0	0	1	0	0	33	56	13
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1	0	9	29	0	0	0	0	0	65	87	9

WTR YR 2021 TOTAL 101 MEAN 0 MAX 56 MIN 0 AC_FT 200

Paradise Lane at 33rd Drive Basin, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 40 MIN 0

Paradise Lane at 33rd Drive, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.3	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	0.5	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	0.4	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	1.8	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	1.0	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	0.4	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.6	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
25	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.3	---	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	---	0.3	0.2	---
MEAN	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2
MAX	0.2	0.2	1.5	1.6	0.2	0.2	0.3	0.2	0.2	2.8	3.5	0.9
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2021 MEAN 0.25 MAX 3.54 MIN 0.23

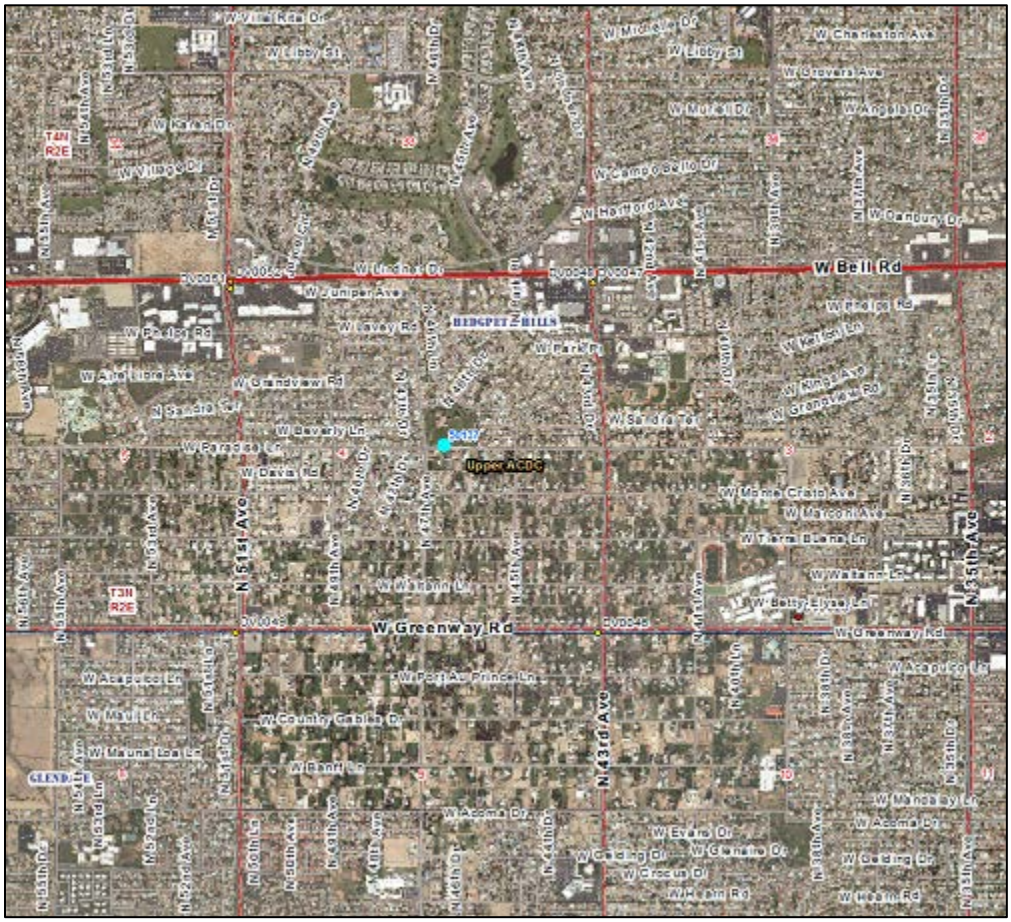
Paradise Lane at 47th Avenue Basin, ID #13707

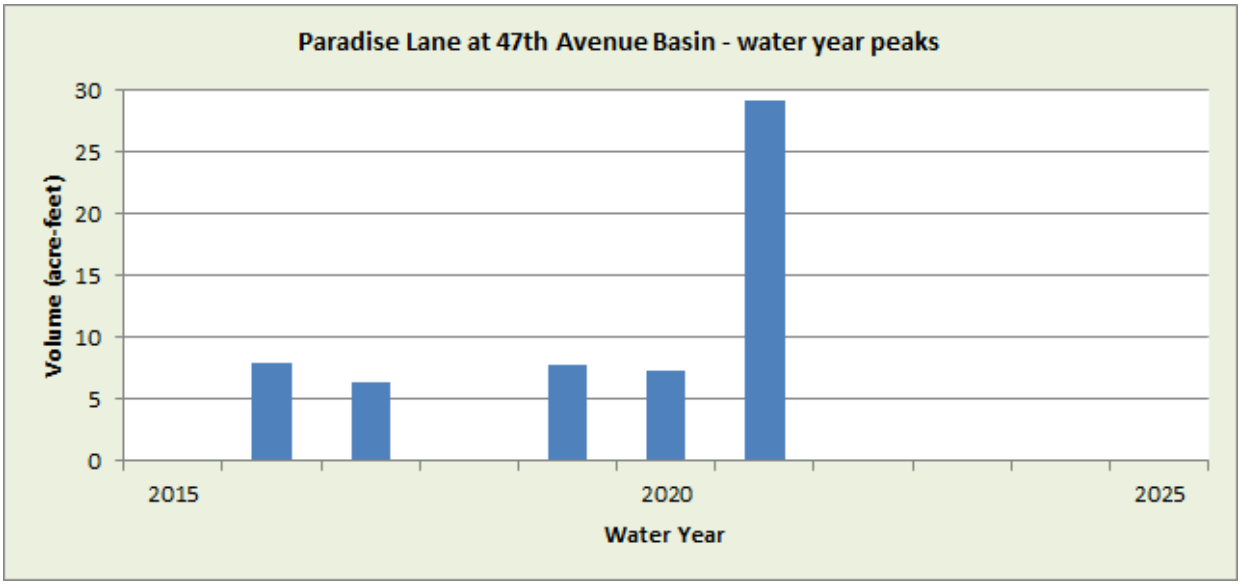


Site Data

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	5.98 Years | 2,185 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

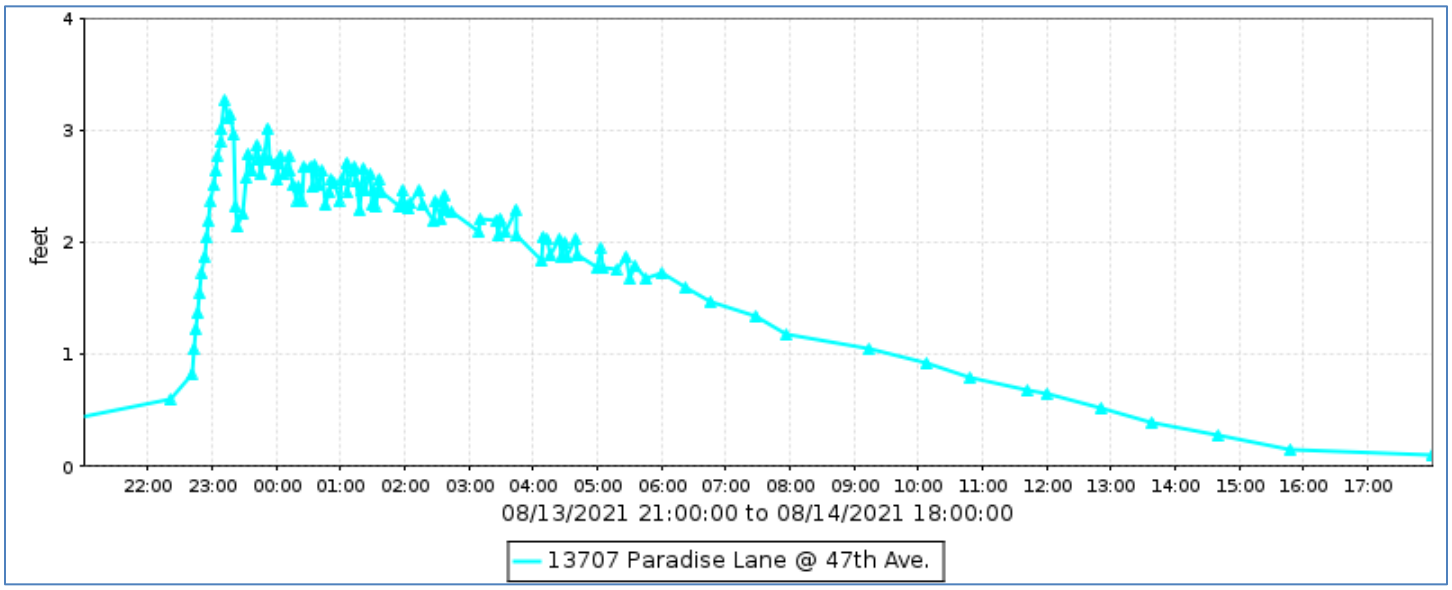




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2020	0.39	3.7	8.0
07/01/2021	0.25	2.6	4.1
07/14/2021	0.35	3.4	6.8
07/22/2021	0.62	5.7	13.8
08/13/2021	3.26	29.2	72.5
08/18/2021	0.74	6.8	16.4

Hydrograph of peak 2021 impoundment event, 08/13/2021



Paradise Lane at 47th Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 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 2020 to September 2021

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			1									
11												
12												
13											1	
14											9	
15												
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20												
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22												
23										1		
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	1		---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	2	0	4	0	0	0	0	0	0	6	30	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 30 MIN 0

Paradise Lane at 47th Avenue Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.2	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.9	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
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	---	0.2	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	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.7	3.3	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 2021 MEAN 0.10 MAX 3.26 MIN 0.10

Pecos Sediment Basin, ID #70007

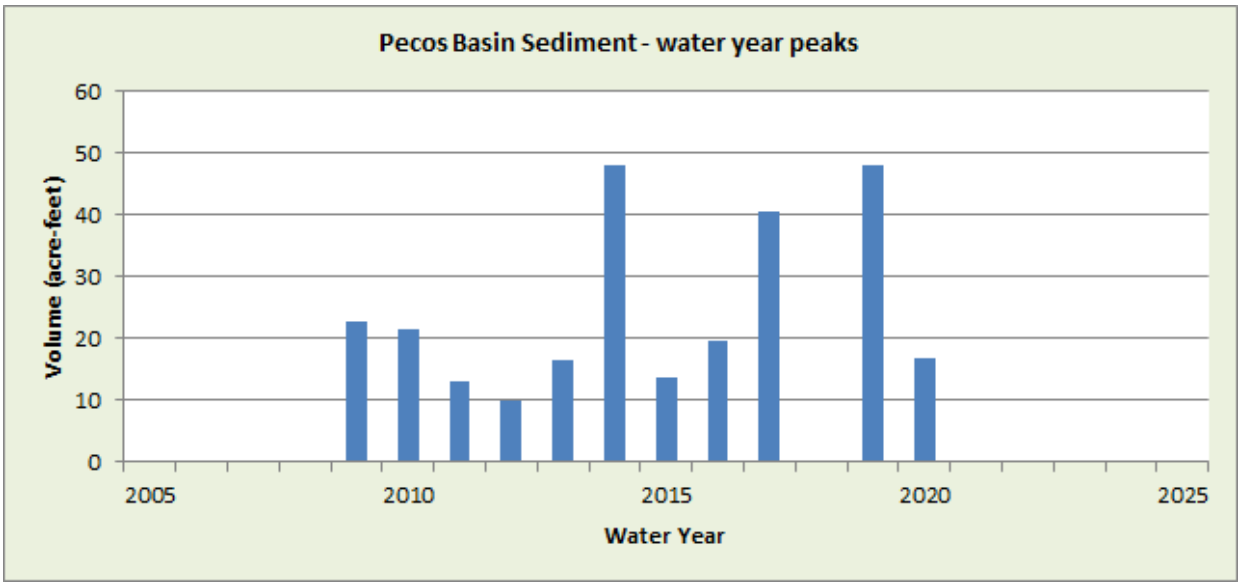


Site Data

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	12.73 Years | 4,651 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





WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/23/2021	1.51	0.2	0.5
08/14/2021	1.51	0.2	0.5

Hydrograph of peak 2021 impoundment event,

No impoundments recorded in Water Year 2021.

Pecos Sediment Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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26												
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Pecos Sediment Basin, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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

WTR YR 2021 MEAN 0 MAX 1 MIN 0

Pecos Sediment Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	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
16	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
18	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
20	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
21	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
22	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
23	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
24	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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
30	1.5	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	1.5
31	1.5	---	1.5	1.5	---	1.5	---	1.5	---	1.5	1.5	---
MEAN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MAX	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	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 2021 MEAN 1.48 MAX 1.65 MIN 1.48

Pecos Basin Pool, ID #70017

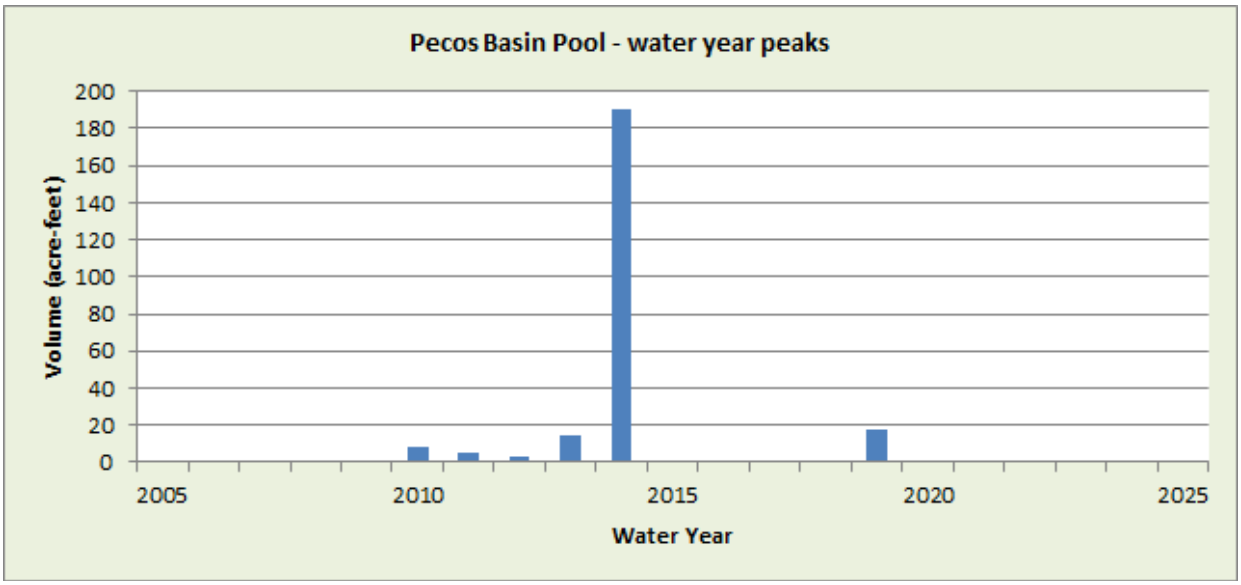


Site Data

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	12.73 Years | 4,651 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





WY2021 Events

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

Hydrograph of peak 2021 impoundment event,

No impoundments recorded in Water Year 2021.

Pecos Basin Pool, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Pecos Basin Pool, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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 2021 MEAN 0 MAX 0 MIN 0

Pecos Basin Pool, stage data

Depth, in feet, Water Year October 2020 to September 2021

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
2	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
4	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
16	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
18	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
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
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
25	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
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	6.1	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
30	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	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
MAX	6.1	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 2021 MEAN 6.05 MAX 6.13 MIN 6.05

Pecos North Inflow, ID #69307

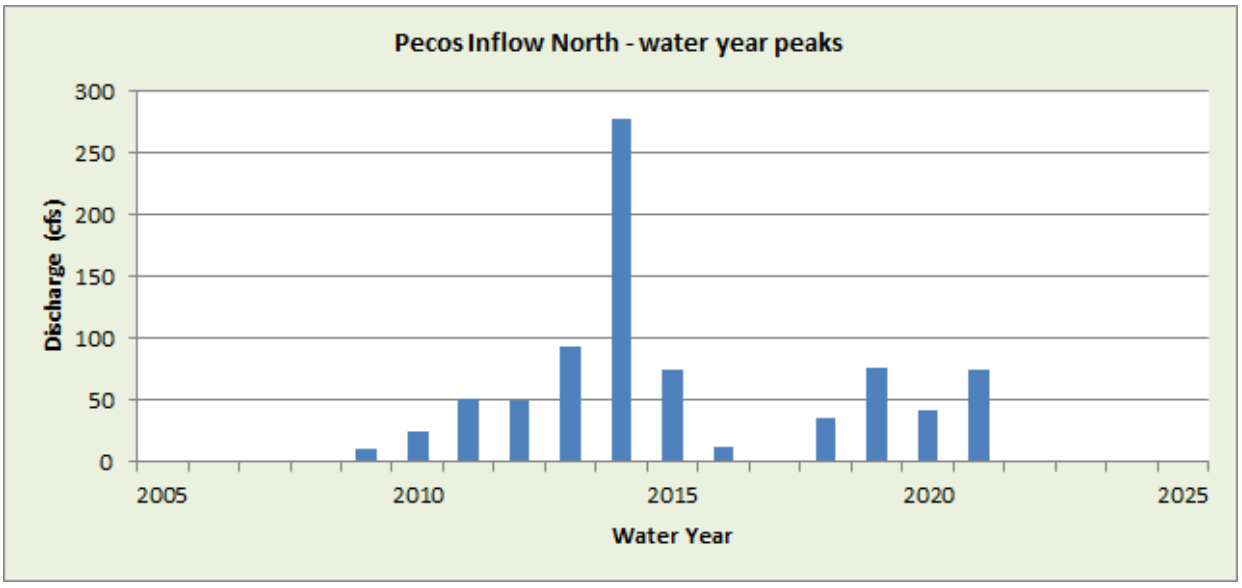


Site Data

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	12.69 Years | 4,636 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)

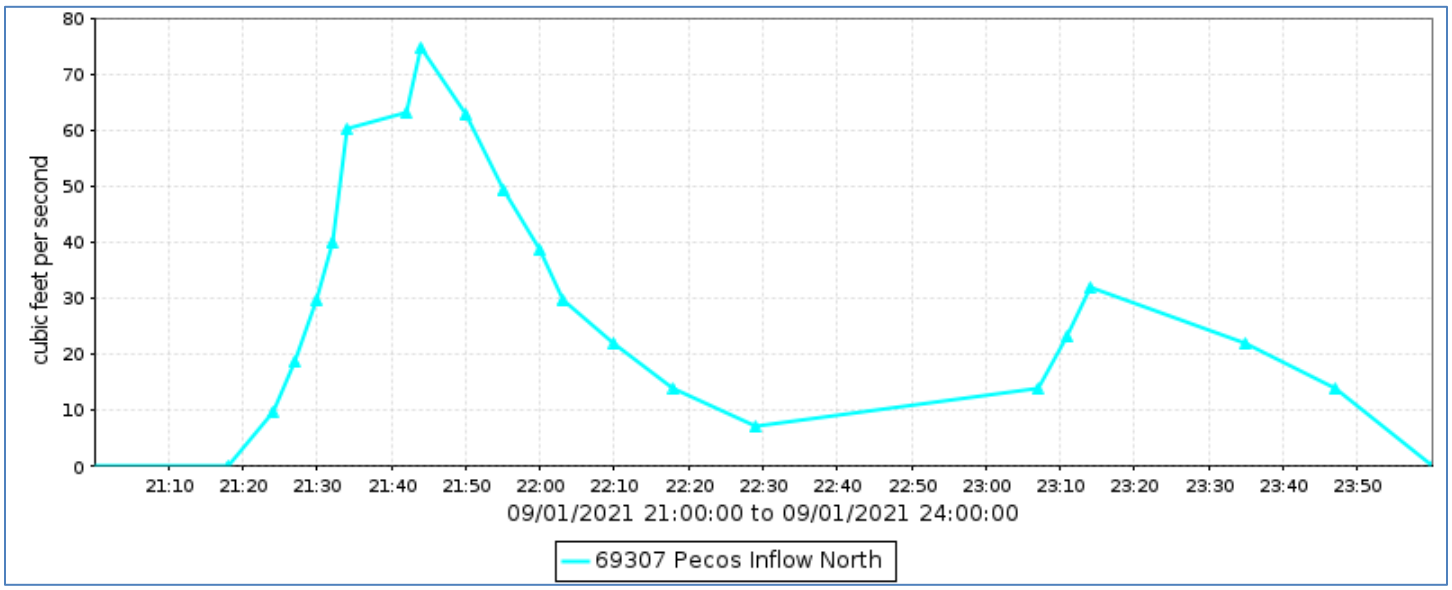




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/14/2021	0.77	46
07/23/2021	0.67	39
07/24/2021	0.34	17
07/31/2021	0.49	26
08/10/2021	0.79	47
08/14/2021	0.77	46
08/18/2021	0.89	55
09/01/2021	1.09	75
09/18/2021	0.67	39

Hydrograph of peak WY 2021 flow event, 09/01/2021



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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												3
2												
3												
4												
5												
6												
7												
8												
9												
10											2	
11												
12												
13												
14										2	2	
15												
16												
17												
18											3	1
19												
20												
21												
22								1				
23								1		1		
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	1		---
TOTAL	0	0	0	0	0	0	0	2	0	4	7	4
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	4	0	46	55	75
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	4	0	8	13	8

WTR YR 2021 TOTAL 17 MEAN 0 MAX 75 MIN 0 AC_FT 34

Pecos East Inflow, ID #69507

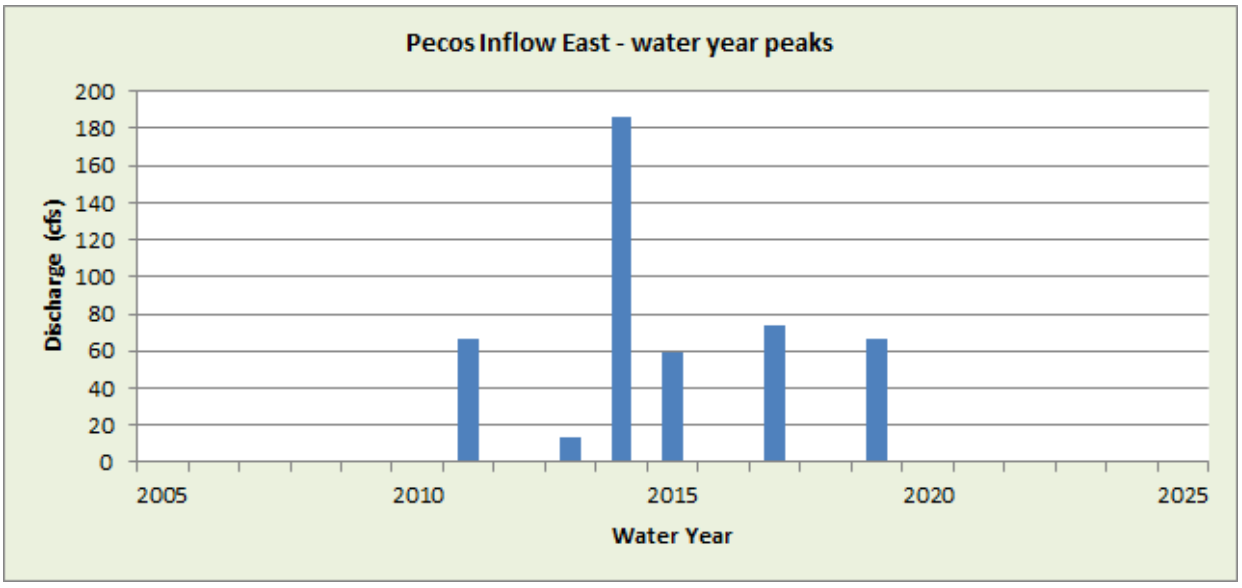


Site Data

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	12.69 Years | 4,636 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





WY2021 Events

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

Hydrograph of peak WY 2021 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 2020 to September 2021

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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19												
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

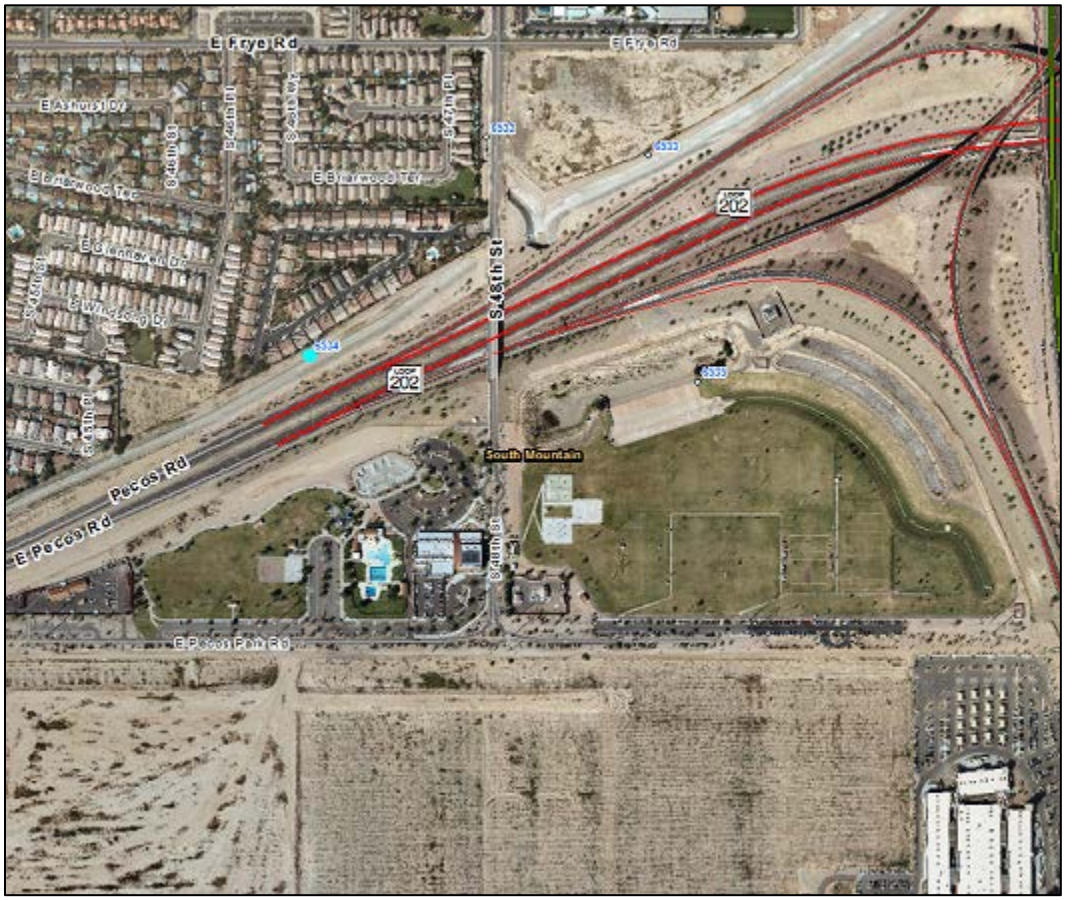
Pecos West Inflow, ID #69807

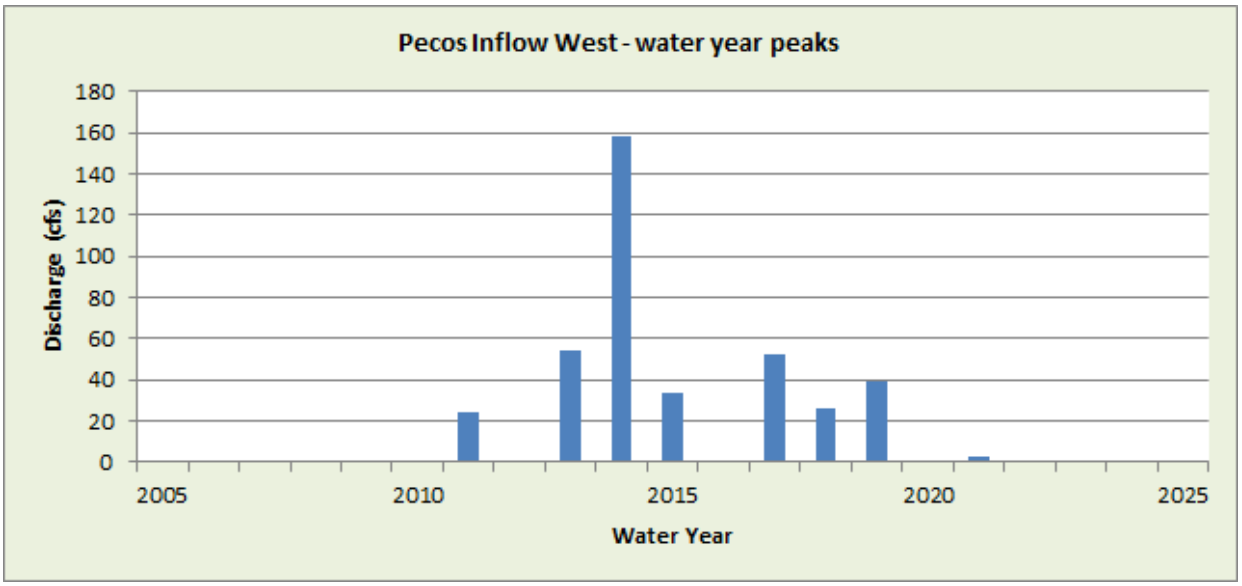


Site Data

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	12.69 Years | 4,636 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

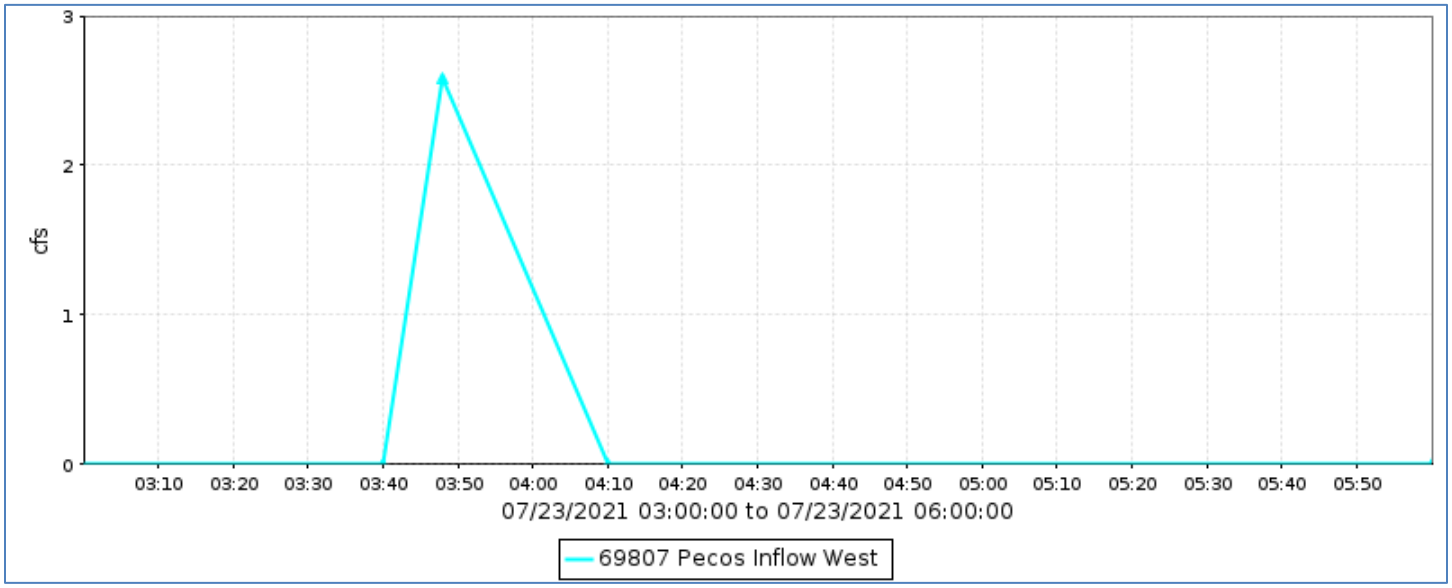




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	0.87	3

Hydrograph of peak WY 2021 flow event, 07/23/2021



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 2020 to September 2021

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	3	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 2021 TOTAL 0 MEAN 0 MAX 3 MIN 0 AC_FT 1

Phoenix Dam #2A, ID #8907

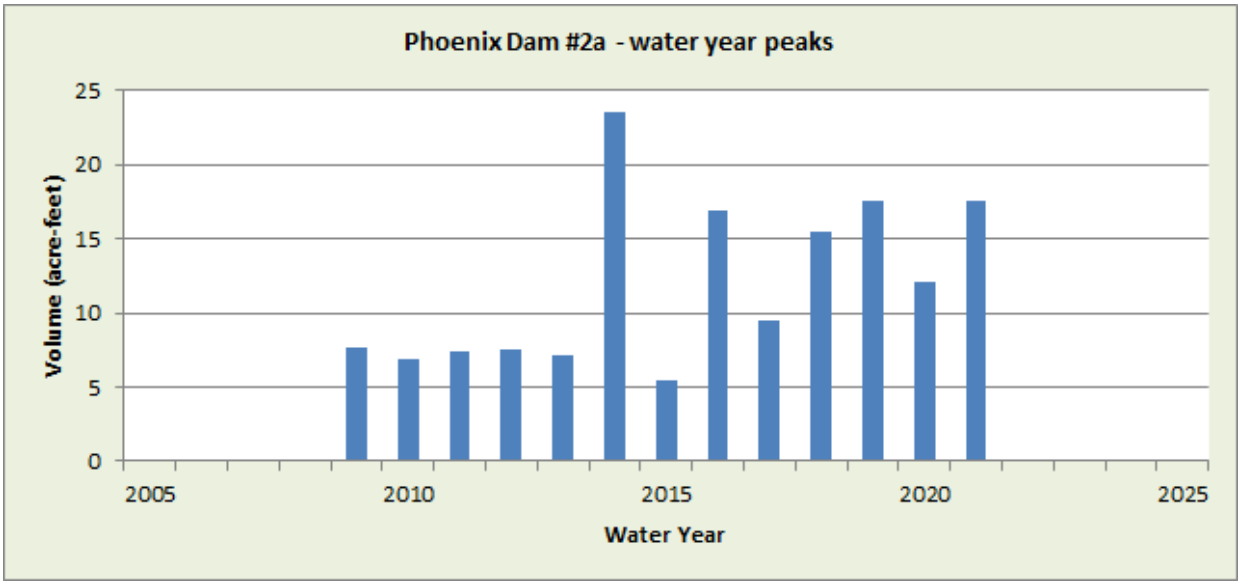


Site Data

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	12.26 Years | 4,477 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

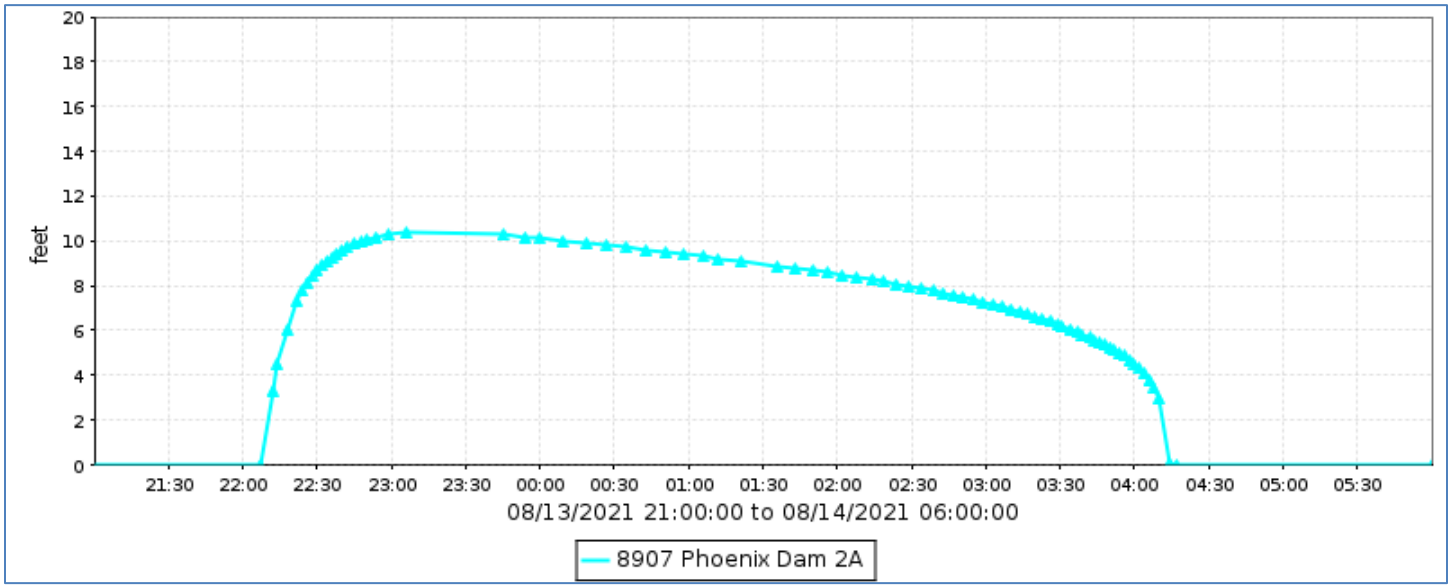




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/16/2021	0.42	0.9	1.6
08/13/2021	10.37	17.6	29.4
08/18/2021	2.60	4.5	7.6

Hydrograph of peak 2021 impoundment event, 08/13/2021



Phoenix Dam #2A, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											4	
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	7	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	1	28	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	13	0

WTR YR 2021 TOTAL 7 MEAN 0 MAX 28 MIN 0 AC_FT 13

Phoenix Dam #2A, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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												
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	1	18	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 18 MIN 0

Phoenix Dam #2A, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.7	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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	0.1	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	10.4	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 2021 MEAN 0.01 MAX 10.37 MIN 0.00

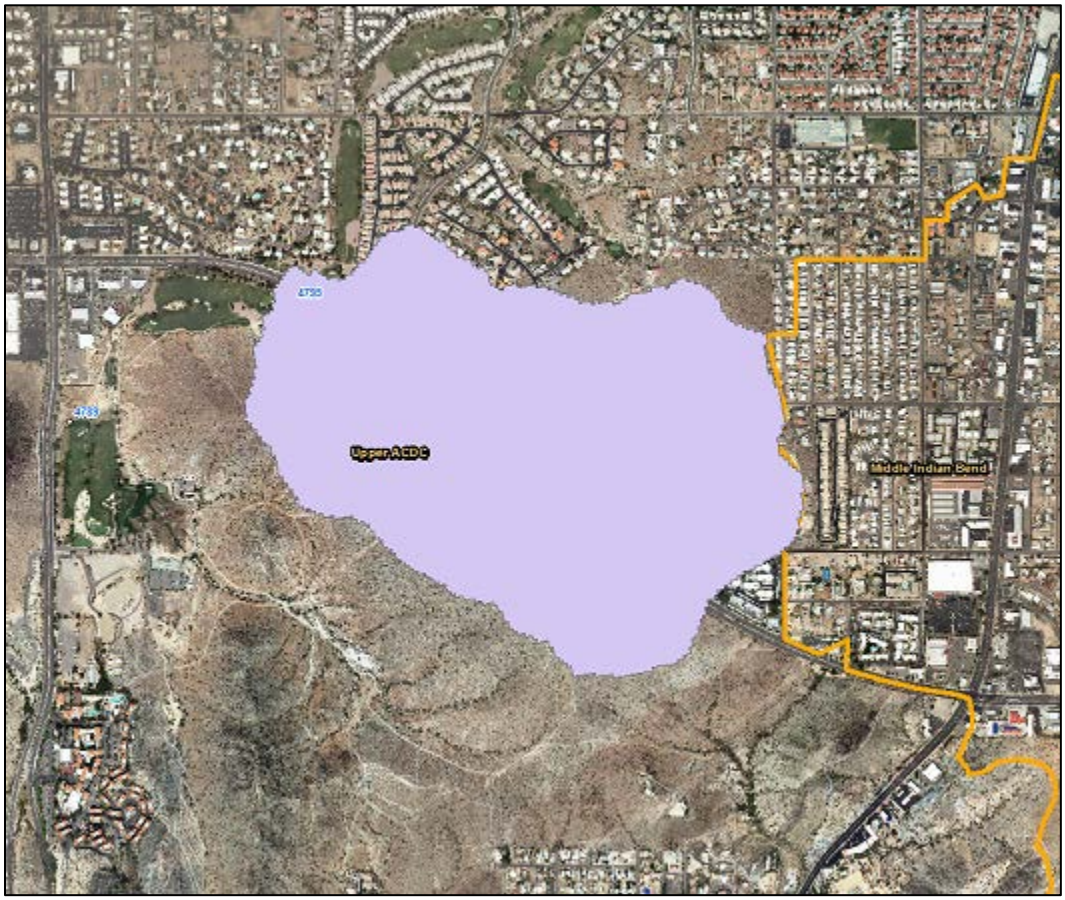
Phoenix Dam #2B, ID #9907

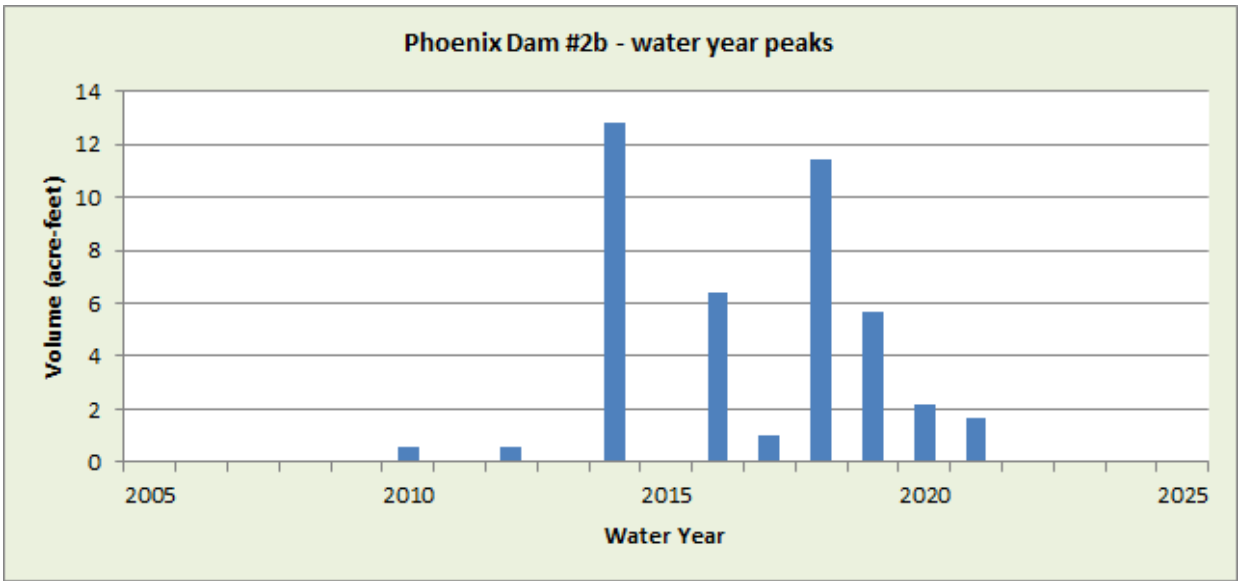


Site Data

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	12.25 Years | 4,476 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

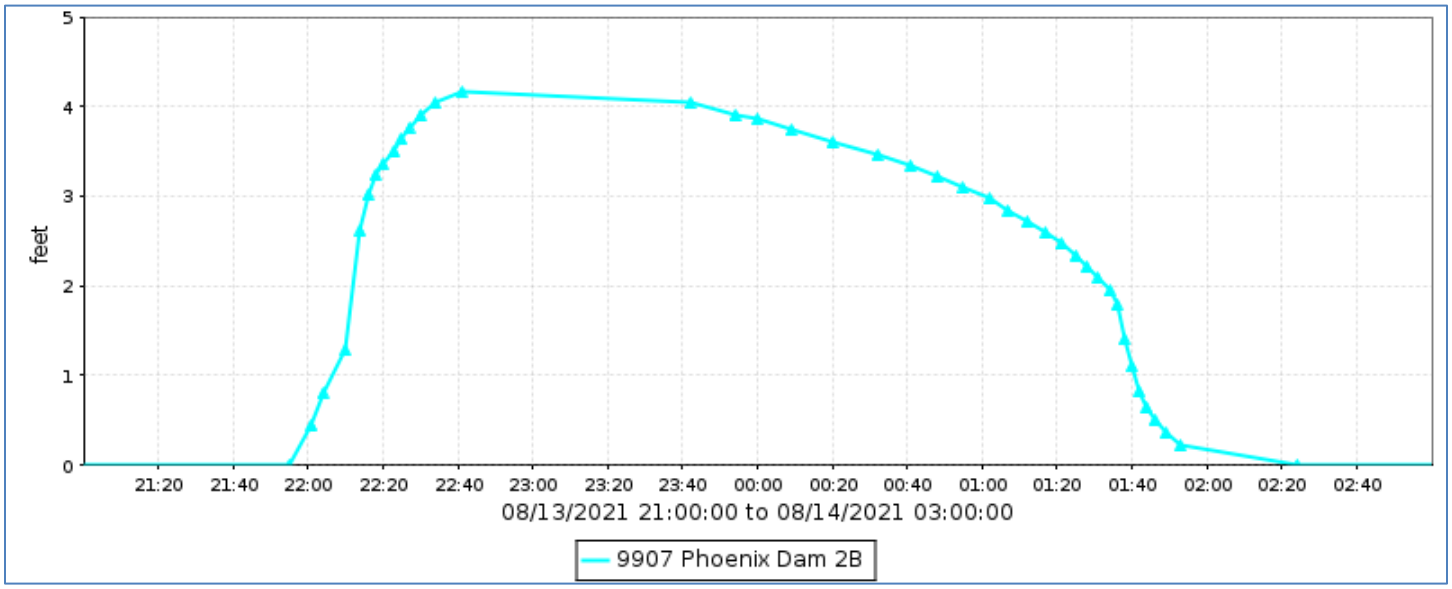




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/13/2021	4.16	1.7	3.5

Hydrograph of peak 2021 impoundment event, 08/13/2021



Phoenix Dam #2B, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 3 MEAN 0 MAX 18 MIN 0 AC_FT 5

Phoenix Dam #2B, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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

WTR YR 2021 MEAN 0 MAX 2 MIN 0

Phoenix Dam #2B, stage data

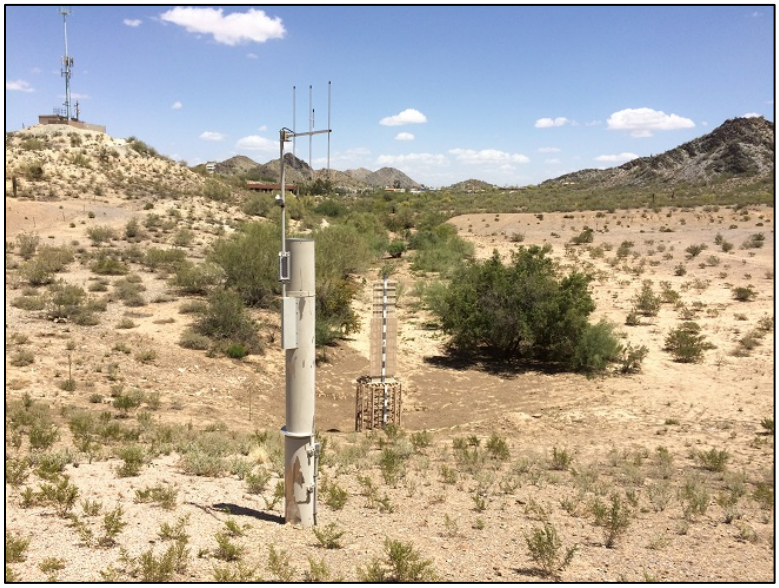
Depth, in feet, Water Year October 2020 to September 2021

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	0.3	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	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 2021 MEAN 0.00 MAX 4.16 MIN 0.00

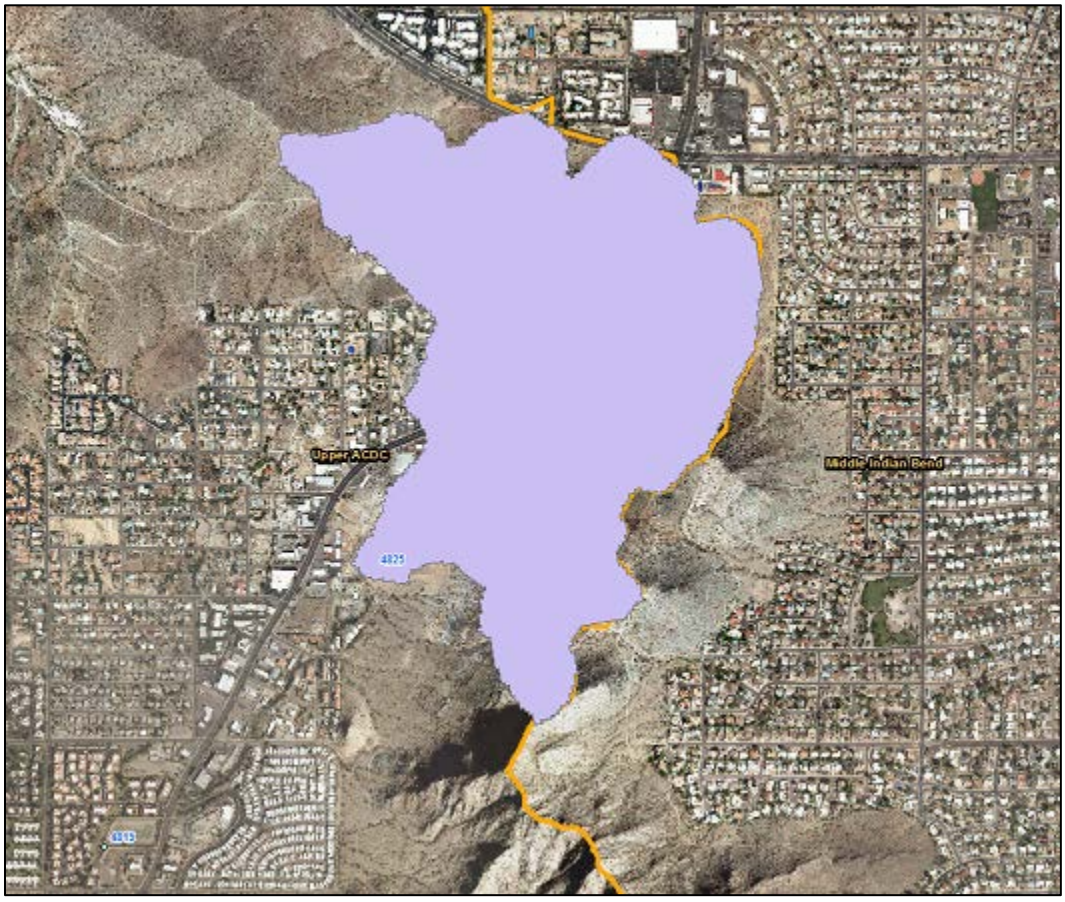
Phoenix Dam #3, ID #11507

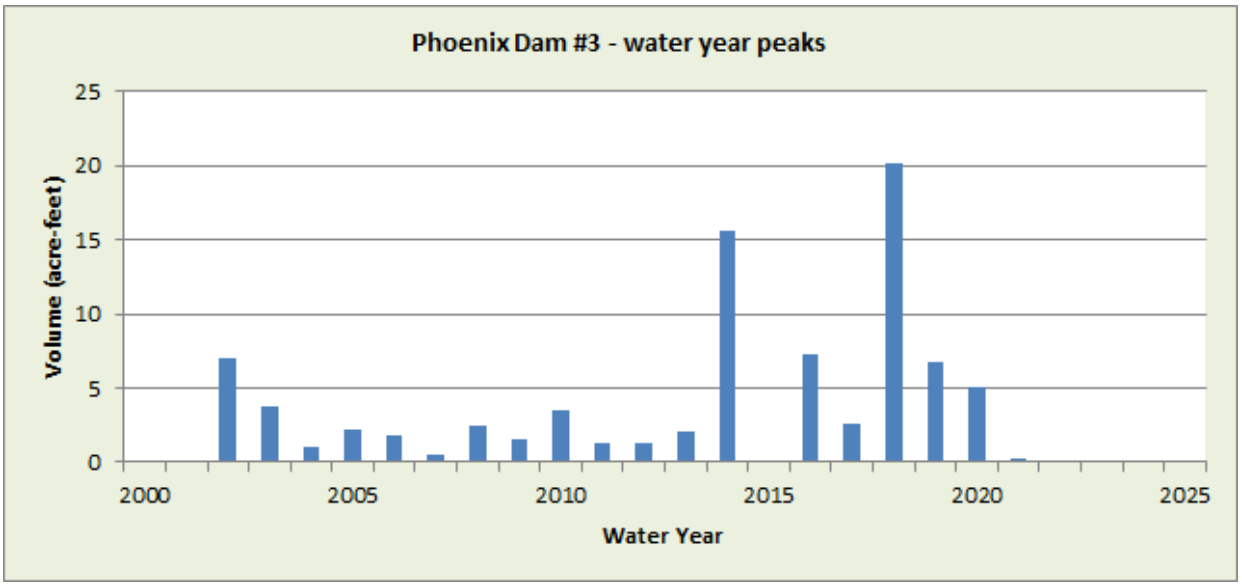


Site Data

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	19.79 Years | 7,227 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

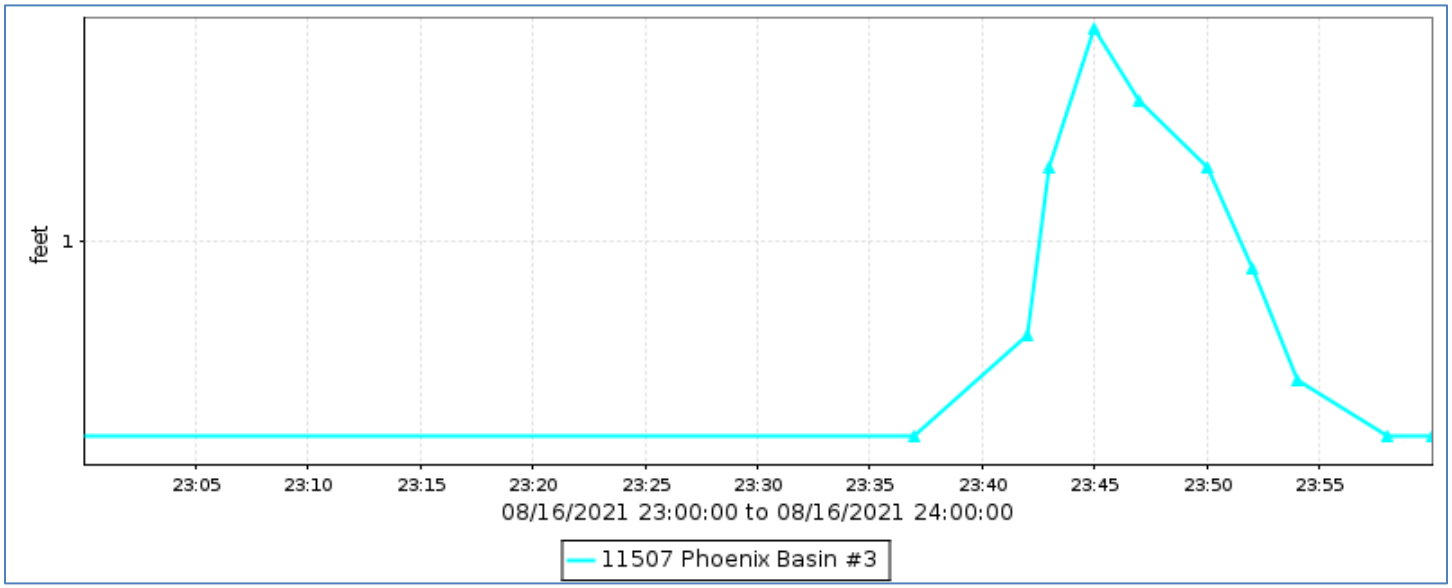




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/13/2021	1.18	0.2	0.4
08/16/2021	1.38	0.2	0.5

Hydrograph of peak 2021 impoundment event, 08/16/2021



Phoenix Dam #3, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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	8	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 2021 TOTAL 0 MEAN 0 MAX 8 MIN 0 AC_FT 0

Phoenix Dam #3, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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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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 2021 MEAN 0 MAX 0 MIN 0

Phoenix Dam #3, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.7	0.7	0.7	0.7	0.7	0.7	0.7
14	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
15	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
16	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
17	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
18	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
19	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
20	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
21	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
22	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
23	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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
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	0.7	0.7	0.7	0.7	0.9	1.4	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 2021 MEAN 0.65 MAX 1.38 MIN 0.65

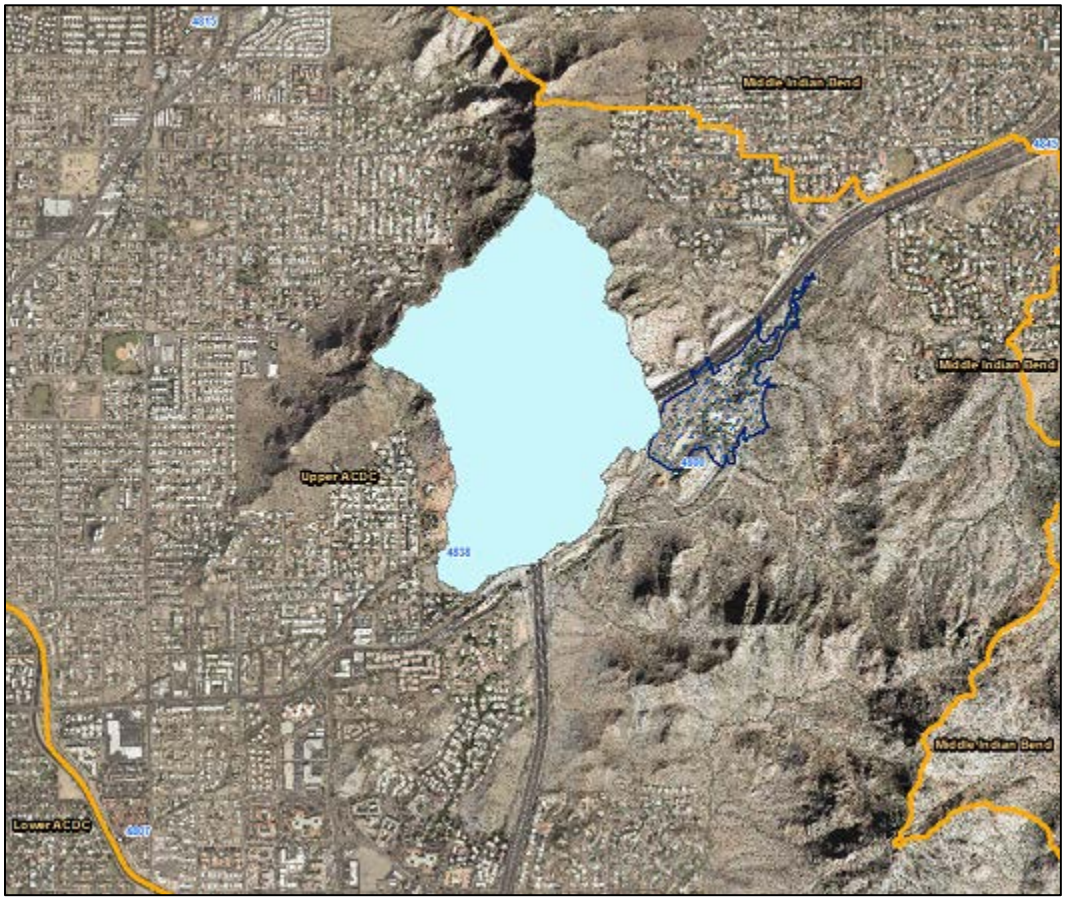
Phoenix Dam #4, ID #12207

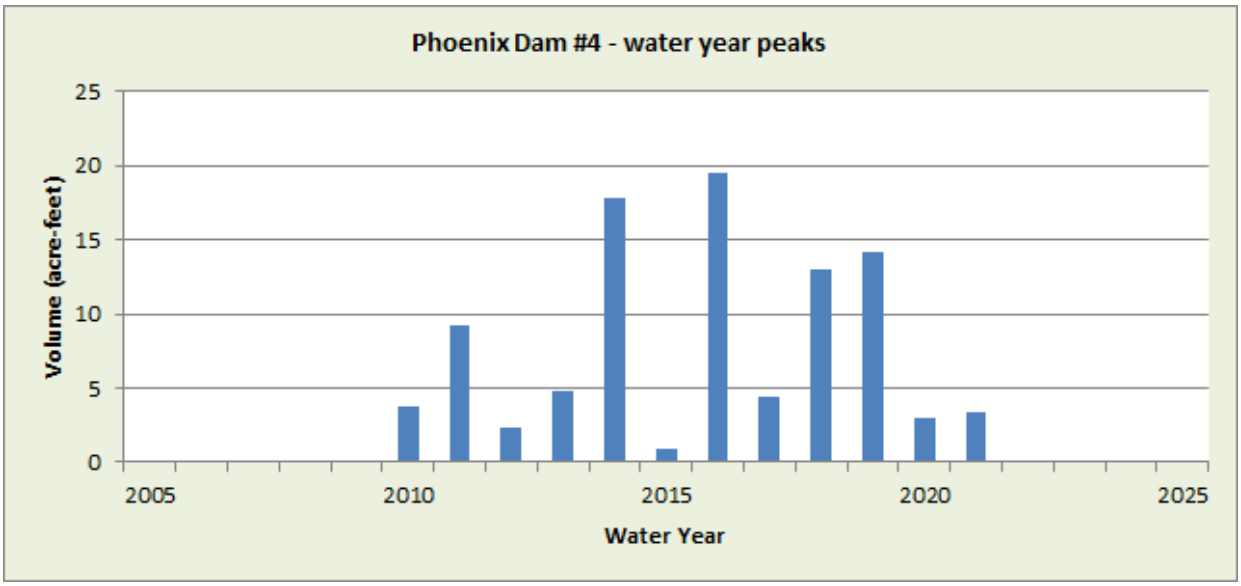


Site Data

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	12.24 Years | 4,470 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

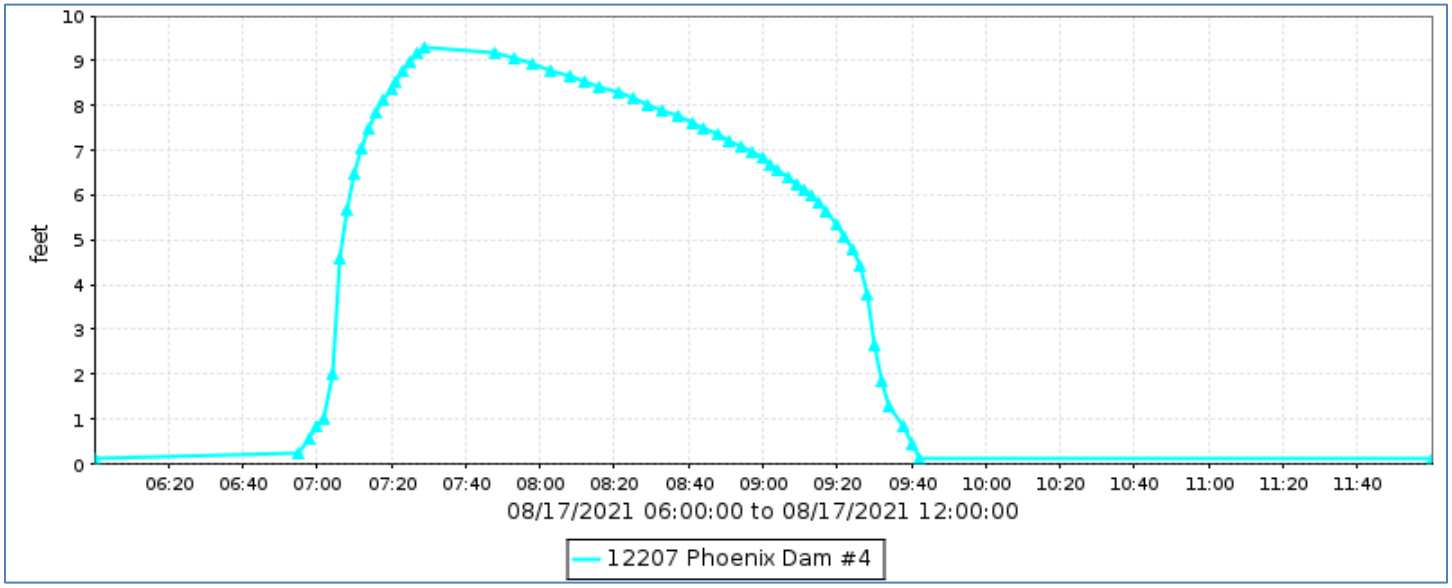




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/30/2021	5.68	3.4	7.9
08/11/2021	3.58	1.3	3.1
08/13/2021	5.70	3.4	8.0
08/17/2021	9.29	10.0	23.3
08/18/2021	3.98	1.6	3.9

Hydrograph of peak 2021 impoundment event, 08/17/2021



Phoenix Dam #4, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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

WTR YR 2021 TOTAL 4 MEAN 0 MAX 27 MIN 0 AC_FT 9

Phoenix Dam #4, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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											1	
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	3	10	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 10 MIN 0

Phoenix Dam #4, stage data

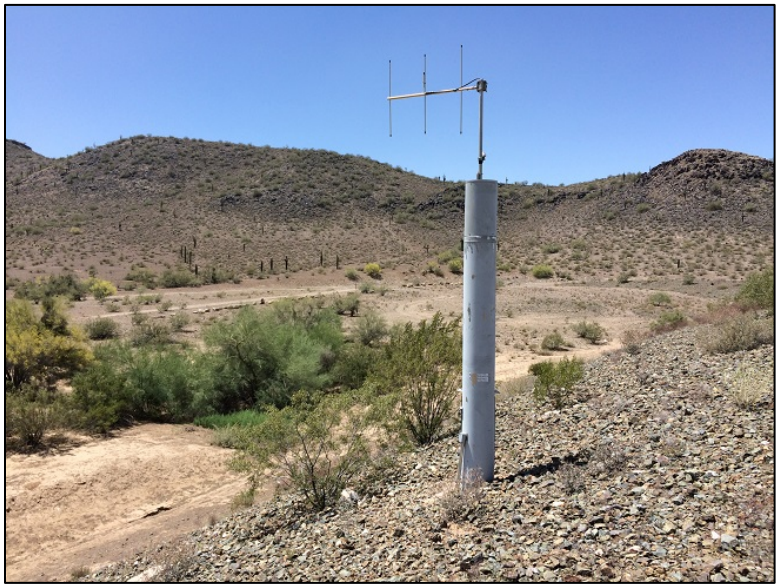
Depth, in feet, Water Year October 2020 to September 2021

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	0.2	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	0.2	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	0.9	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	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
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.2	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.1	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.7	9.3	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 2021 MEAN 0.10 MAX 9.29 MIN 0.10

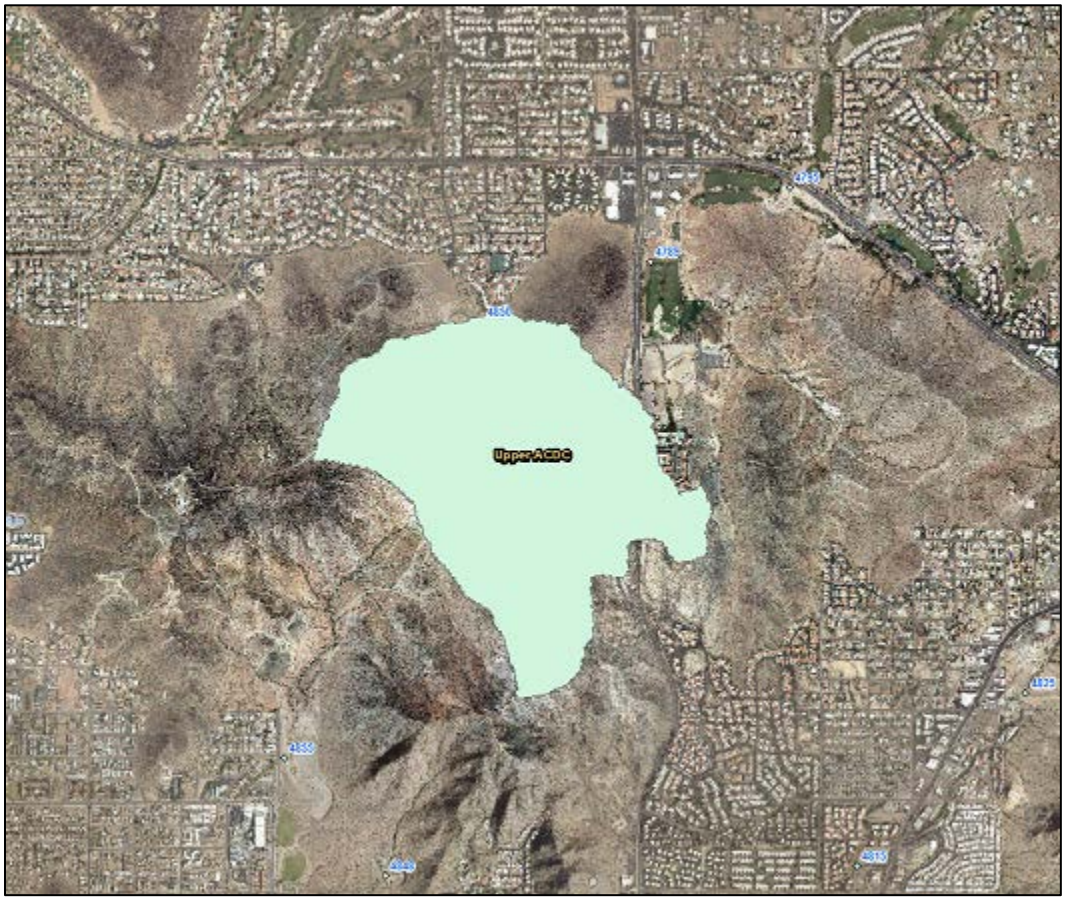
Phoenix Dam #7, ID #13307

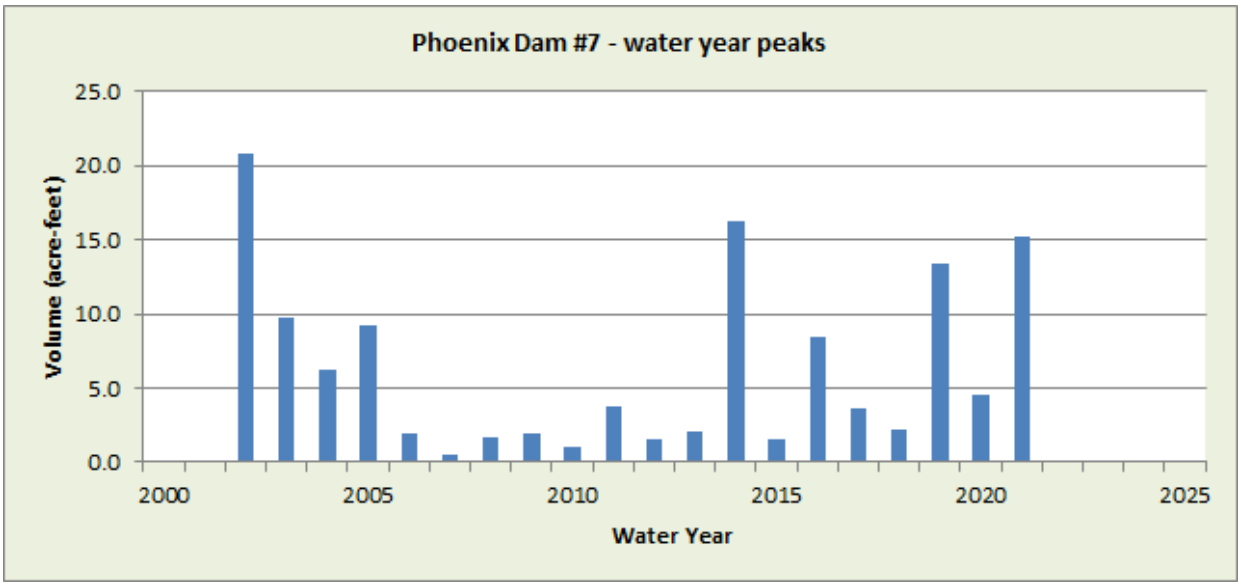


Site Data

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	19.78 Years | 7,226 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

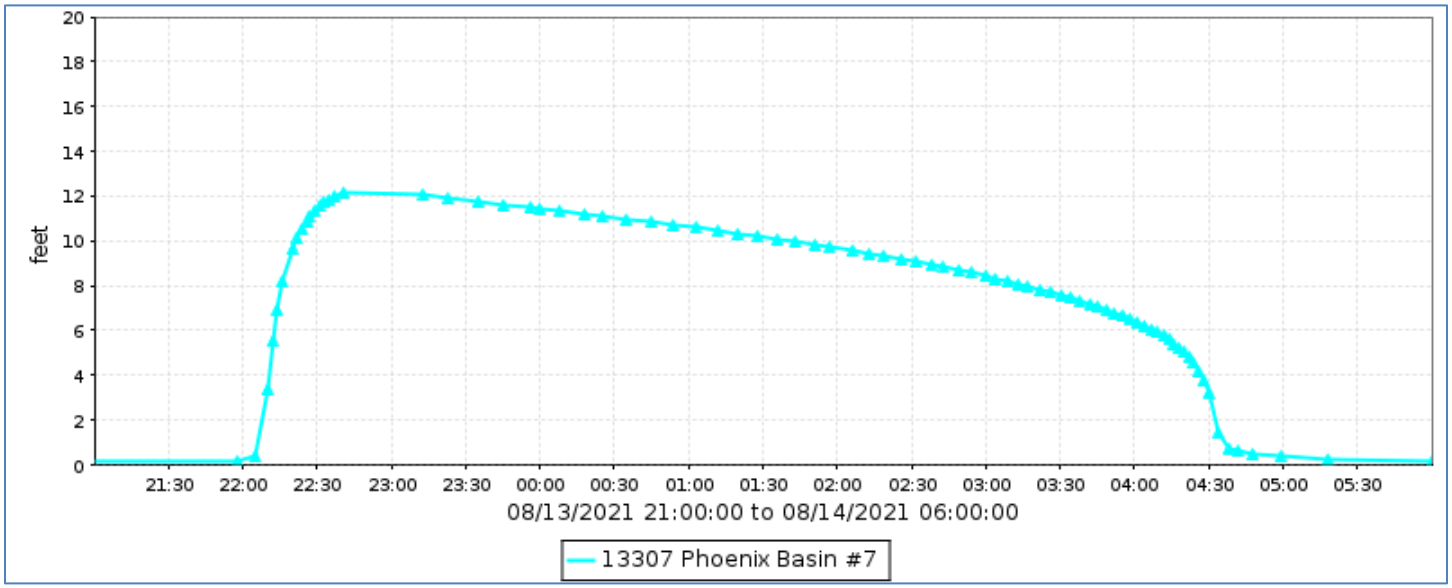




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/13/2021	12.15	15.1	13.1
08/18/2021	5.72	2.2	2.1

Hydrograph of peak 2021 impoundment event, 08/13/2021



Phoenix Dam #7, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 14 MEAN 0 MAX 49 MIN 0 AC_FT 28

Phoenix Dam #7, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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												
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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	15	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 15 MIN 0

Phoenix Dam #7, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	1.0	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.9	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	0.4	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	12.2	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 2021 MEAN 0.18 MAX 12.15 MIN 0.17

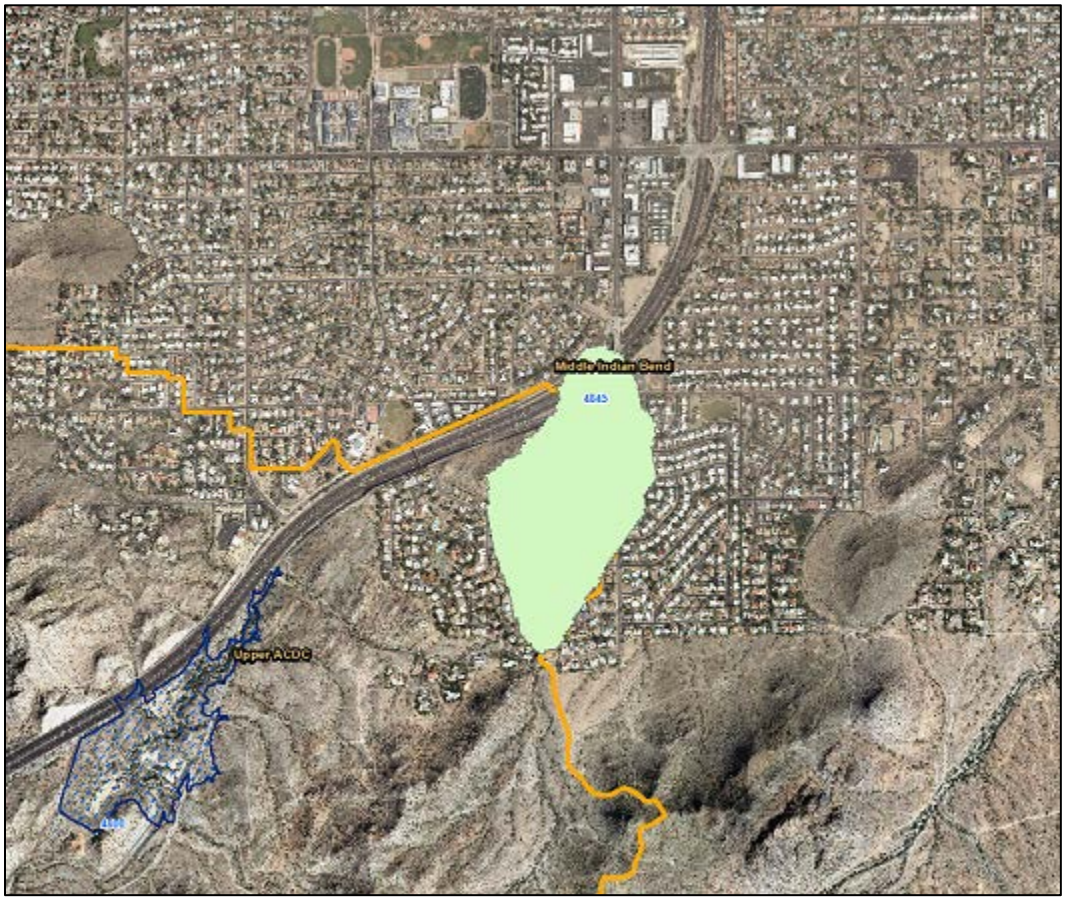
Phoenix Dam #99, ID #12707

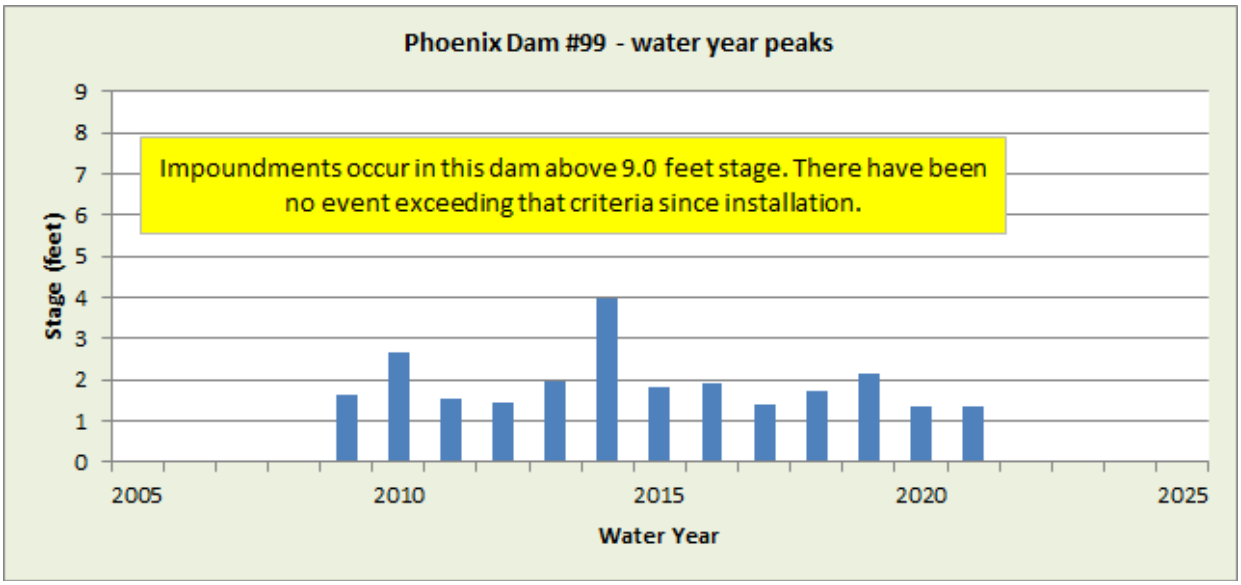


Site Data

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	12.24 Years | 4,469 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

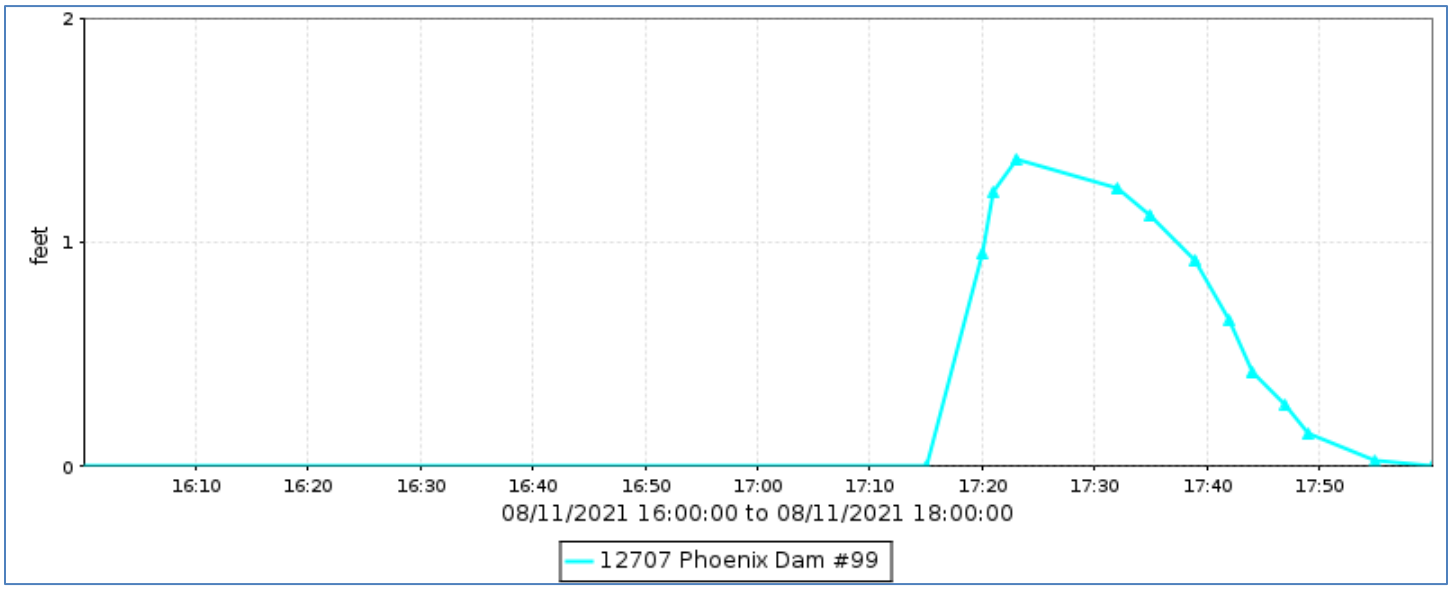




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/23/2021	0.54	0.0	0.0
07/30/2021	0.57	0.0	0.0
08/11/2021	1.37	0.0	0.0
08/13/2021	0.52	0.0	0.0
08/16/2021	1.07	0.0	0.0
08/17/2021	0.99	0.0	0.0
08/18/2021	0.29	0.0	0.0

Hydrograph of peak 2021 impoundment event, 08/11/2021



Phoenix Dam #99, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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	2	6	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	1	0

WTR YR 2021 TOTAL 0 MEAN 0 MAX 6 MIN 0 AC_FT 1

Phoenix Dam #99, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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 2021 MEAN 0 MAX 0 MIN 0

Phoenix Dam #99, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	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 2021 MEAN 0.00 MAX 1.37 MIN 0.00

Phoenix East Park Dam, ID #13007

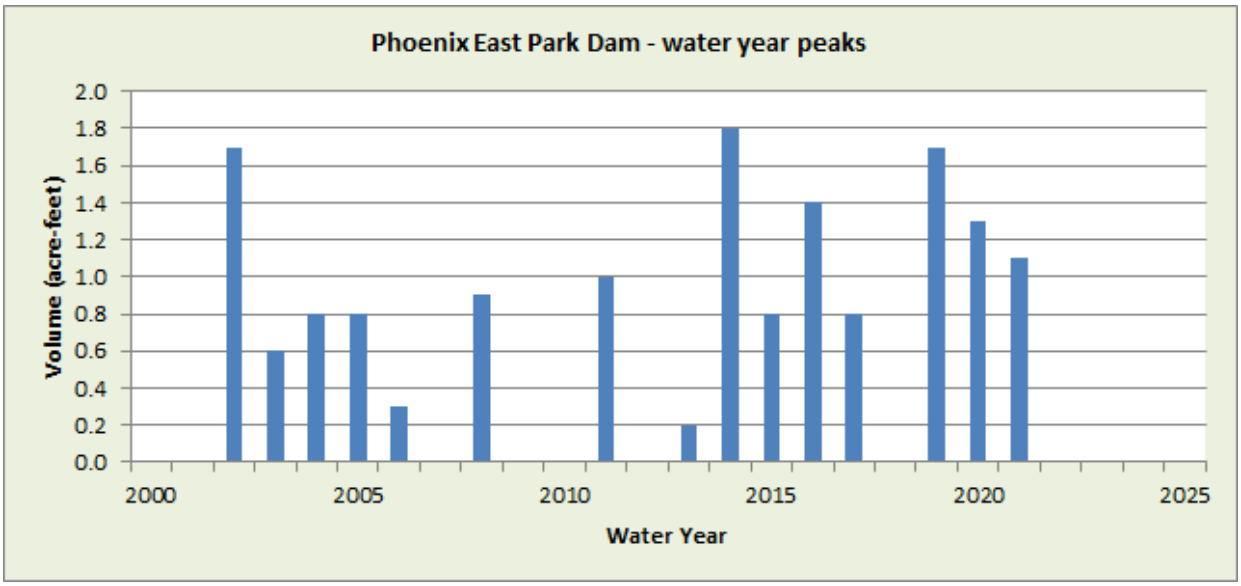


Site Data

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	19.84 Years | 7,247 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

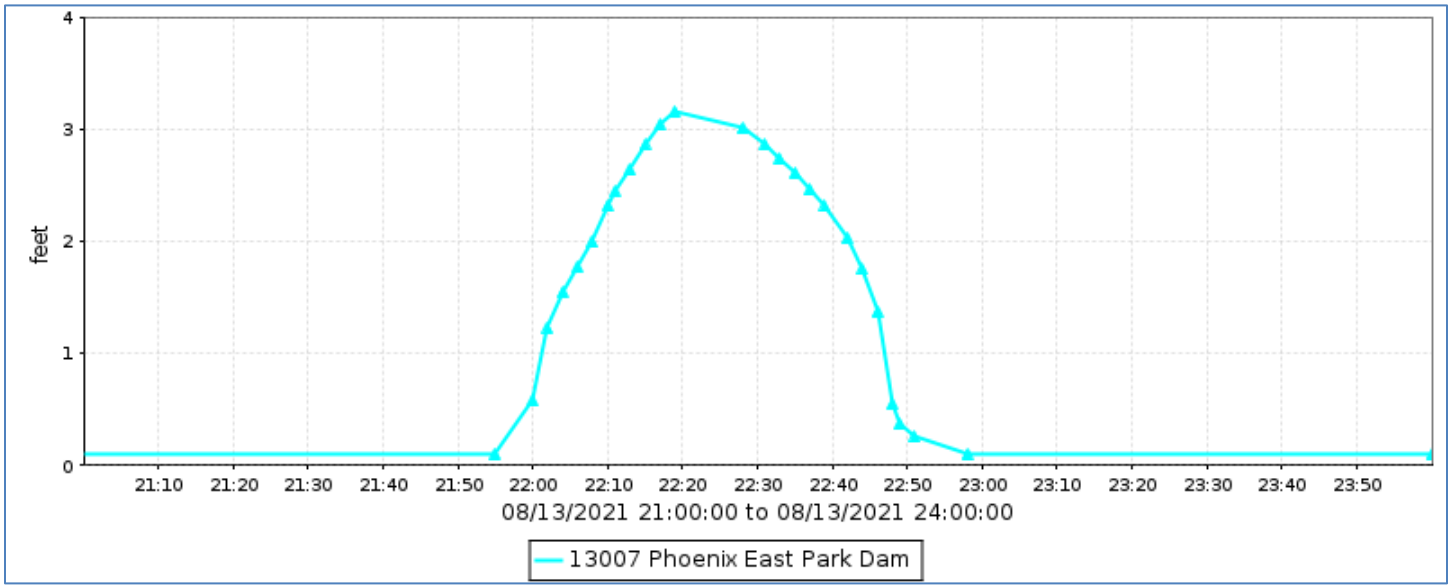




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/13/2021	3.16	1.1	5.0

Hydrograph of peak 2021 impoundment event, 08/13/2021



Phoenix East Park Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 90 MEAN 0 MAX 26 MIN 0 AC_FT 178

Phoenix East Park Dam, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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

WTR YR 2021 MEAN 0 MAX 1 MIN 0

Phoenix East Park Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.2	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
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	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 2021 MEAN 0.10 MAX 3.16 MIN 0.10

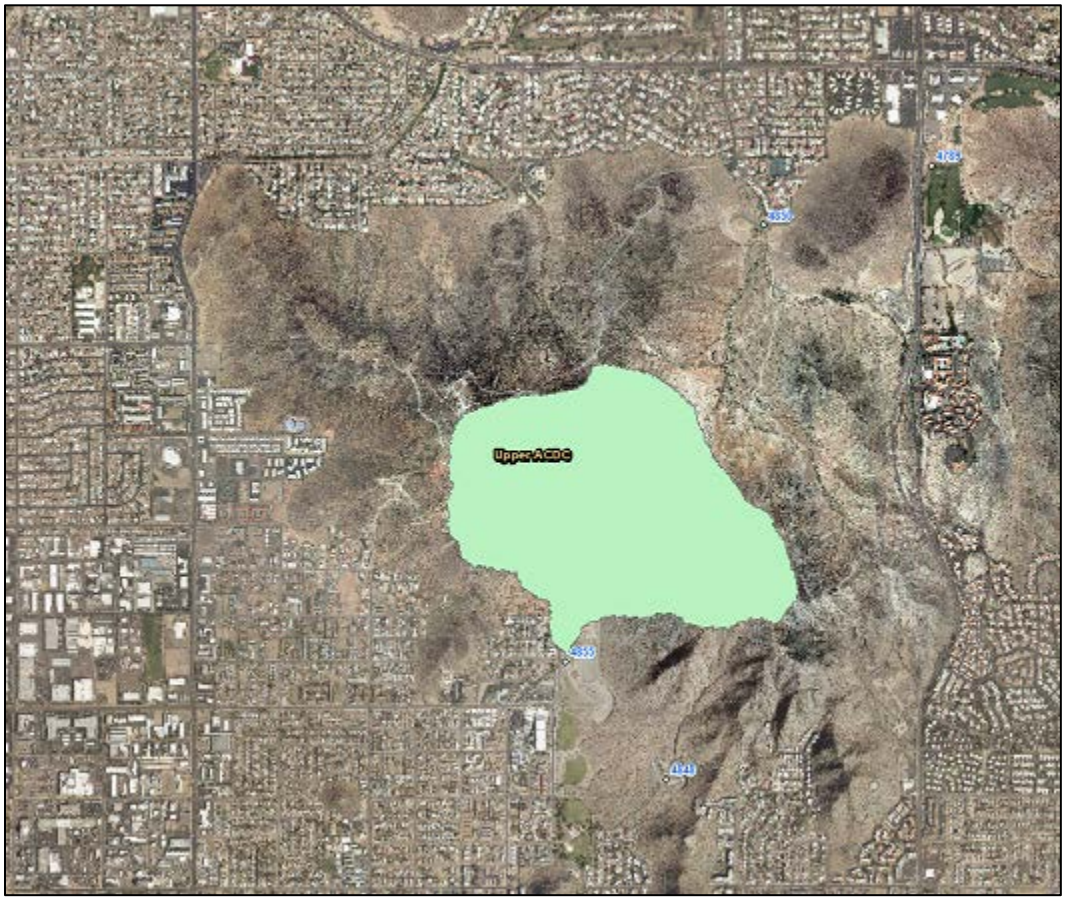
Phoenix West Park Dam, ID #13507

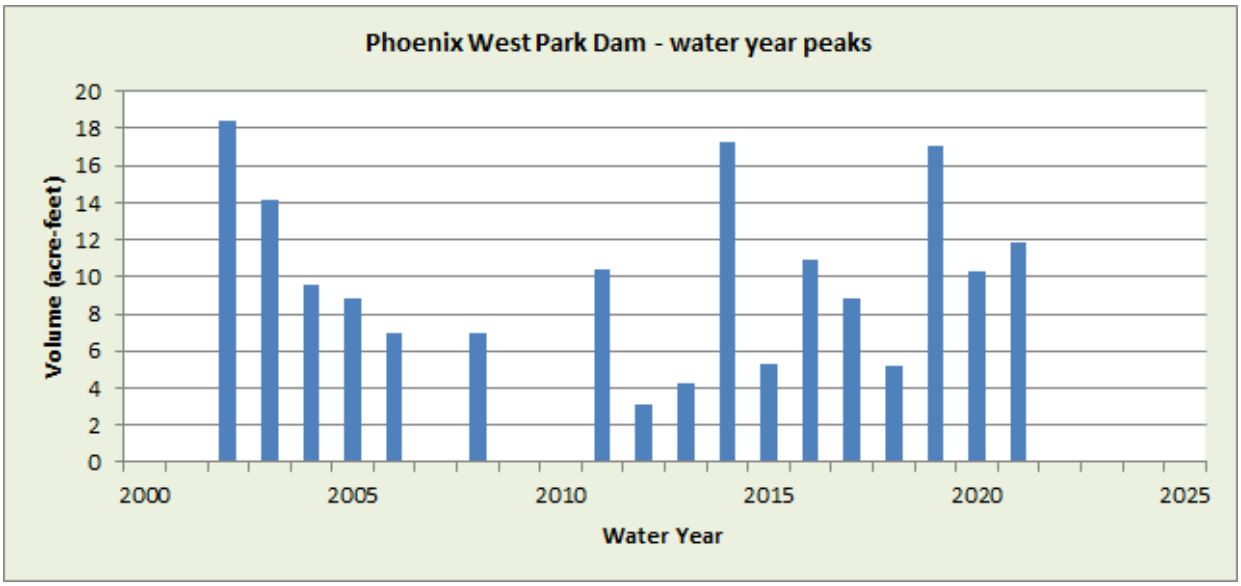


Site Data

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	19.84 Years | 7,246 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

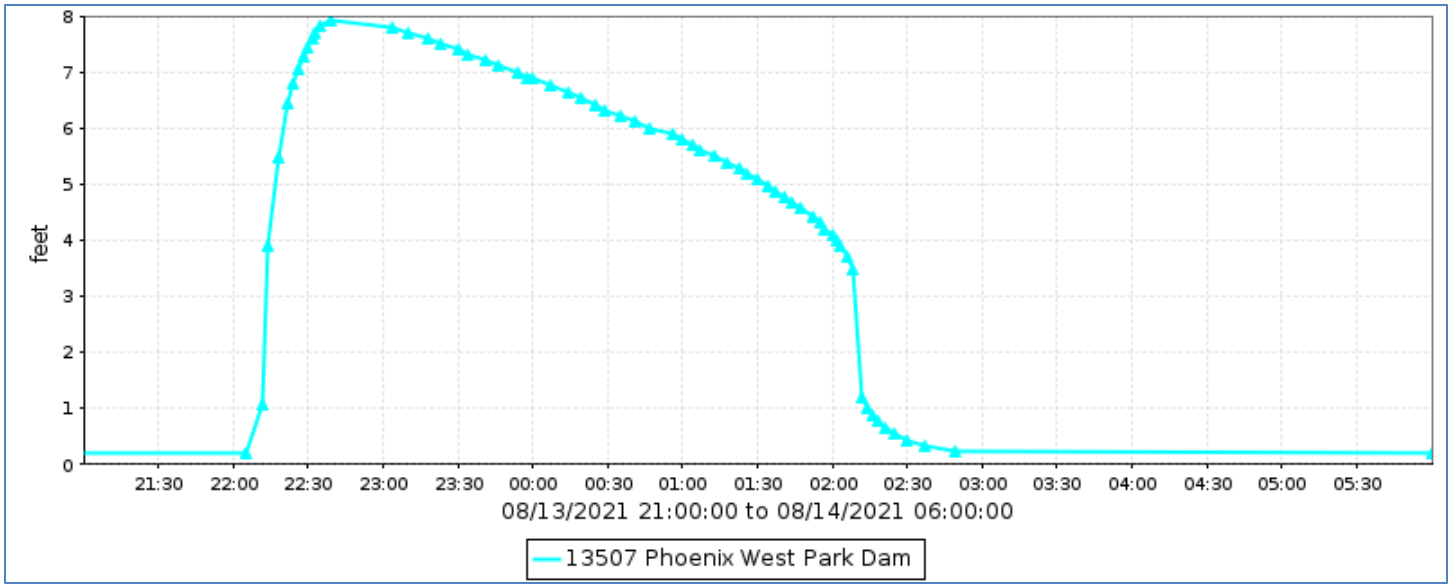




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/13/2021	7.93	11.9	10.6
08/18/2021	1.73	2.6	2.3

Hydrograph of peak 2021 impoundment event, 08/13/2021



Phoenix West Park Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13											3	
14											4	
15												
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	7	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	48	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	15	0

WTR YR 2021 TOTAL 7 MEAN 0 MAX 48 MIN 0 AC_FT 15

Phoenix West Park Dam, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 12 MIN 0

Phoenix West Park Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.7	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	7.9	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 2021 MEAN 0.20 MAX 7.93 MIN 0.20

Phoenix Zoo Dam #3, ID #4307

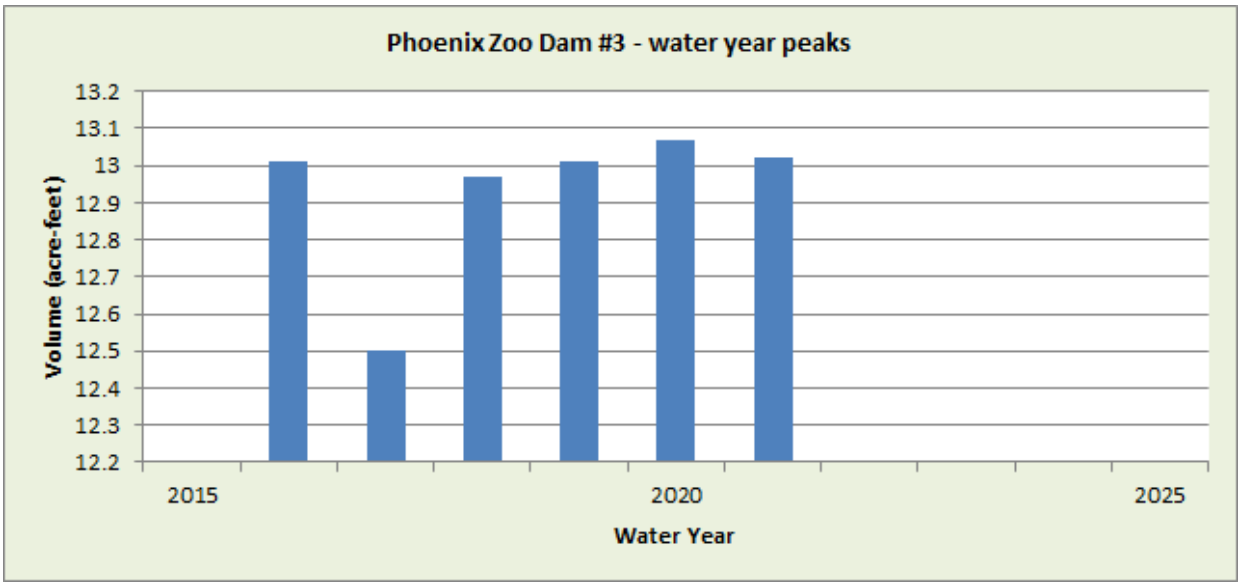


Site Data

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	5.43 Years | 1,985 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

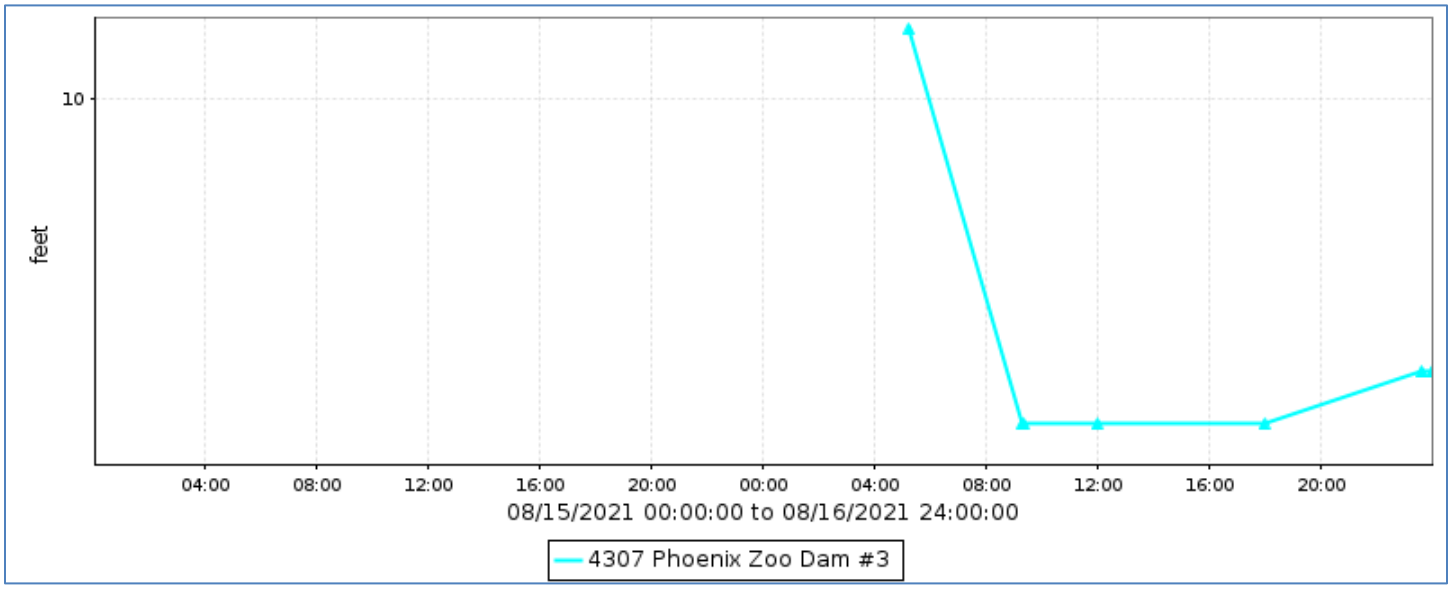




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/16/2021	10.17	13.0	98.4

Hydrograph of peak 2021 impoundment, 08/16/2021



Station was down from 08/06/2021 – 08/16/2021 where this hydrograph begins.

Phoenix Zoo Dam #3, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Phoenix Zoo Dam #3, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 12 MAX 13 MIN 12

Phoenix Zoo Dam #3, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	8.9	8.9	8.9	8.9	8.9	9.1	9.3	9.3	9.3	9.4	8.9
2	9.1	8.9	8.9	8.9	9.2	9.0	9.2	9.3	9.3	9.3	9.3	8.9
3	9.1	8.9	8.9	8.9	9.5	9.2	9.3	9.2	9.3	9.3	9.3	9.2
4	9.0	8.9	8.9	9.0	9.4	9.0	9.3	---	9.3	9.3	9.3	9.1
5	9.0	8.9	8.9	9.0	9.1	9.2	9.3	9.5	9.2	9.3	9.4	8.9
6	9.0	8.9	8.9	9.0	9.1	9.4	9.3	9.3	9.2	9.3	9.4	8.9
7	9.0	8.9	8.9	9.0	9.1	9.3	9.3	9.3	9.1	9.3	---	8.9
8	9.0	8.9	8.9	9.0	9.1	9.3	9.3	9.3	9.1	9.3	---	8.9
9	8.9	8.9	9.0	9.0	9.1	9.2	9.3	---	9.0	9.3	---	9.0
10	8.9	8.9	9.1	8.9	9.1	9.0	9.3	9.3	9.0	9.3	---	9.0
11	8.9	8.9	9.0	8.9	9.1	8.9	---	0.0	8.9	9.2	---	9.0
12	8.9	8.9	9.1	8.9	9.1	8.9	8.9	9.3	8.9	9.1	---	8.9
13	8.9	8.9	8.9	8.9	9.1	8.9	9.2	---	8.9	9.1	---	8.9
14	8.9	8.9	8.9	9.0	9.1	8.9	9.3	---	8.9	9.1	---	8.9
15	8.9	8.9	8.9	9.0	8.9	8.9	9.3	---	8.9	9.3	---	8.9
16	8.9	8.9	8.9	9.2	8.9	8.9	9.3	---	8.9	9.4	9.4	8.9
17	8.9	8.9	8.9	9.2	8.9	9.0	9.3	9.3	9.1	9.3	9.3	8.9
18	8.9	8.9	8.9	9.3	8.9	9.1	---	9.2	9.4	9.3	9.3	8.9
19	8.9	8.9	8.9	9.3	8.9	9.2	9.3	9.3	9.6	9.3	9.4	9.1
20	8.9	8.9	8.9	9.2	8.9	9.2	9.3	9.3	9.6	9.3	9.5	9.1
21	9.0	9.0	9.0	9.3	8.9	9.3	9.3	9.3	9.5	9.3	9.4	9.1
22	9.0	9.1	9.0	9.3	9.0	9.1	9.2	9.3	9.5	9.3	9.3	9.1
23	8.9	9.1	8.9	9.3	9.1	9.0	9.3	9.3	9.4	---	9.2	9.0
24	8.9	8.9	8.9	9.2	9.2	9.0	9.3	9.3	9.5	---	9.2	8.9
25	8.9	8.9	8.9	9.0	9.1	8.9	9.3	9.3	9.8	---	9.2	8.9
26	8.9	8.9	8.9	8.9	9.1	8.9	9.3	9.3	9.6	9.6	9.2	8.9
27	8.9	8.9	9.1	8.9	9.1	9.0	9.3	9.3	9.4	9.6	9.0	9.2
28	8.9	8.9	9.2	8.9	8.9	9.1	9.3	9.3	9.3	9.4	8.9	9.2
29	8.9	8.9	9.1	8.9	---	9.2	9.3	9.2	9.3	9.4	8.9	9.0
30	8.9	8.9	8.9	8.9	---	9.1	9.3	9.3	9.3	9.5	8.9	8.9
31	8.9	---	9.0	8.9	---	9.2	---	9.3	---	9.4	8.9	---
MEAN	8.9	8.9	9.0	9.0	9.1	9.1	9.3	9.3	9.2	9.3	9.3	9.0
MAX	9.2	9.3	9.3	9.6	9.8	9.8	9.7	10.2	9.8	9.7	10.2	9.3
MIN	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.2	8.9	9.1	8.9	8.9

WTR YR 2021 MEAN 9.11 MAX 10.22 MIN 8.90

Phoenix Zoo Dam #5, ID #4407

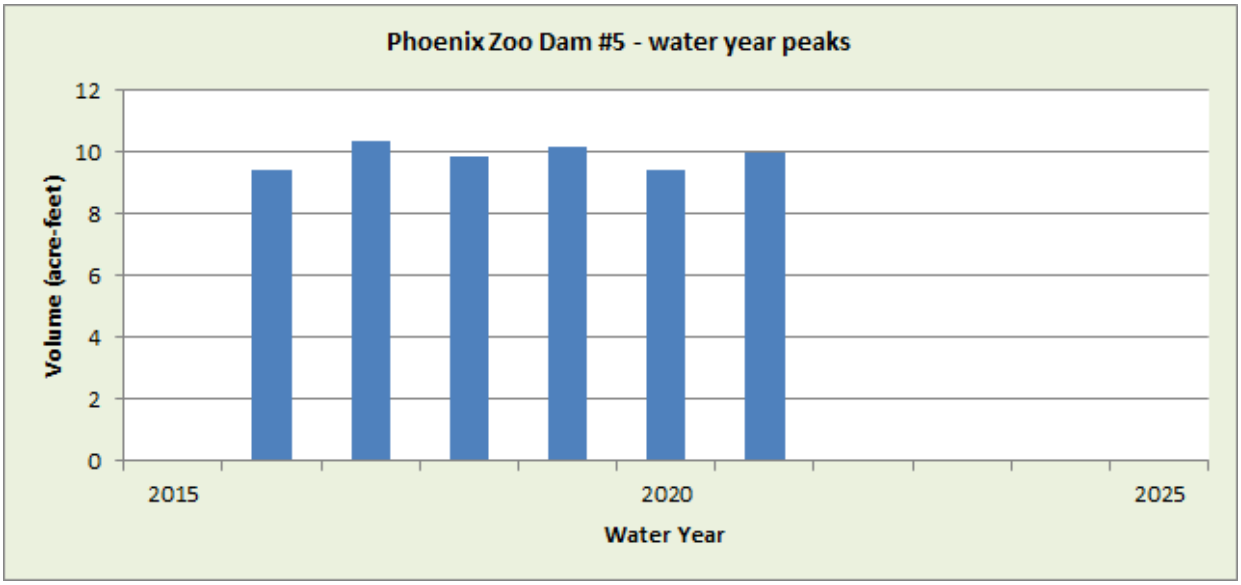


Site Data

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	5.43 Years | 1,982 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

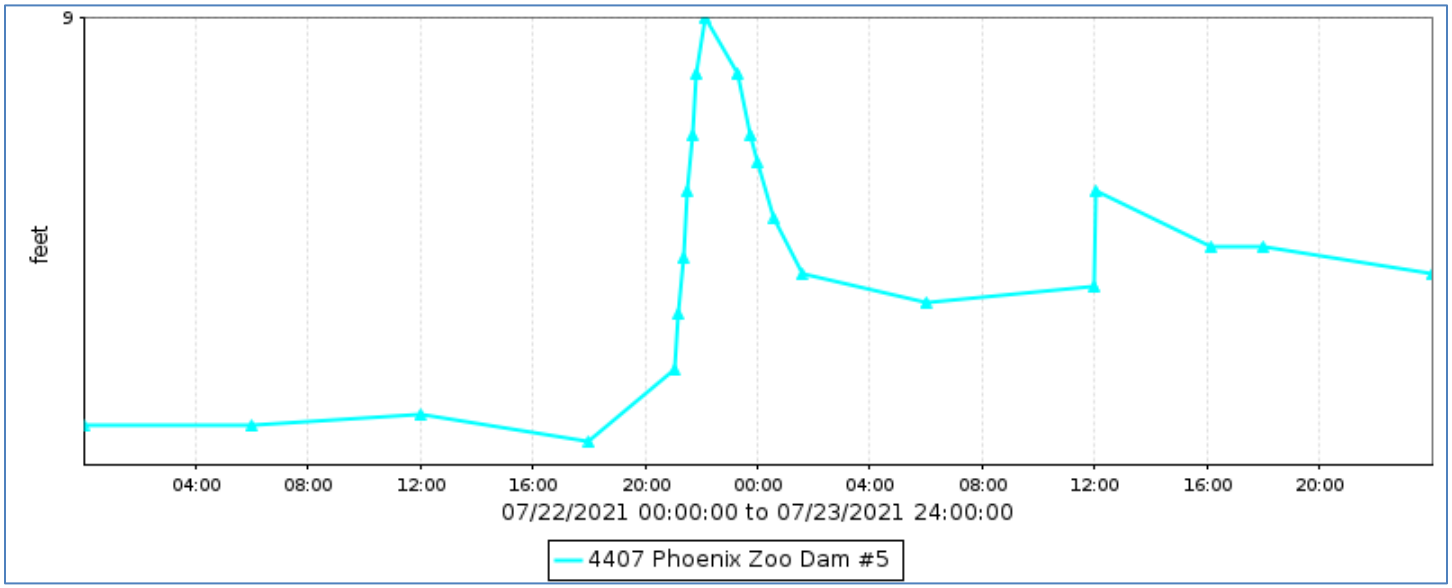




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/22/2021	9.00	10.0	103.8

Hydrograph of peak 2021 impoundment event, 07/22/2021



Phoenix Zoo Dam #5, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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

Phoenix Zoo Dam #5, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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	9	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
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	10	9	9
MIN	9	9	9	9	9	9	9	9	9	9	9	9

WTR YR 2021 MEAN 9 MAX 10 MIN 9

Phoenix Zoo Dam #5, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	8.3	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.2	8.4	8.4
2	8.3	8.3	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.2	8.4	8.4
3	8.3	8.3	8.4	8.5	8.4	8.3	8.4	8.3	8.3	8.2	8.5	8.5
4	8.3	8.4	8.4	8.5	8.3	8.3	8.4	8.3	8.3	8.2	8.5	8.5
5	8.3	8.4	8.4	8.5	8.3	8.3	8.4	8.3	8.3	8.2	8.5	8.5
6	8.3	8.4	8.4	8.5	8.3	8.3	8.3	8.3	8.3	8.2	8.4	8.5
7	8.3	8.4	8.4	8.5	8.3	8.3	8.3	8.3	8.2	8.2	8.4	8.4
8	8.3	8.3	8.3	8.5	8.3	8.3	8.3	8.3	8.2	8.2	8.4	8.4
9	8.3	8.4	8.4	8.5	8.3	8.3	8.3	8.3	8.2	8.2	8.4	8.5
10	8.3	8.3	8.4	8.5	8.3	8.3	8.3	8.3	8.2	8.2	8.4	8.5
11	8.3	8.3	8.4	8.5	8.3	8.3	8.3	8.3	8.3	8.2	8.4	8.5
12	8.3	8.3	8.4	8.5	8.4	8.3	8.3	8.3	8.2	8.2	8.5	8.5
13	8.3	8.3	8.4	8.5	8.3	8.4	8.3	8.3	8.3	8.2	8.5	8.5
14	8.3	8.3	8.4	8.5	8.3	8.4	8.3	8.3	8.2	8.2	8.5	8.5
15	8.3	8.4	8.4	8.5	8.3	8.4	8.3	8.3	8.2	8.2	8.4	8.5
16	8.3	8.4	8.4	8.5	8.3	8.4	8.3	8.3	8.2	8.3	8.4	8.4
17	8.3	8.4	8.4	8.5	8.3	8.4	8.3	8.3	8.2	8.3	8.5	8.5
18	8.3	8.4	8.4	8.6	8.3	8.4	8.3	8.3	8.2	8.3	8.5	8.5
19	8.3	8.4	8.4	8.6	8.3	8.4	8.3	8.3	8.3	8.3	8.4	8.5
20	8.3	8.4	8.4	8.5	8.3	8.4	8.3	8.2	8.3	8.3	8.5	8.5
21	8.4	8.4	8.4	8.3	8.3	8.4	8.3	8.2	8.3	8.3	8.5	8.5
22	8.4	8.4	8.4	8.3	8.3	8.4	8.3	8.3	8.3	8.3	8.5	8.5
23	8.4	8.4	8.4	8.3	8.3	8.4	8.3	8.2	8.3	8.6	8.5	8.5
24	8.4	8.4	8.4	8.3	8.3	8.4	8.3	8.3	8.3	8.5	8.5	8.5
25	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.5	8.5
26	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.5	8.5
27	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.5	8.6
28	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.5	8.6
29	8.4	8.4	8.4	8.3	---	8.3	8.3	8.3	8.2	8.5	8.4	8.5
30	8.3	8.4	8.4	8.3	---	8.3	8.3	8.3	8.2	8.5	8.4	8.5
31	8.3	---	8.4	8.3	---	8.3	---	8.3	---	8.4	8.4	---
MEAN	8.3	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.5
MAX	8.4	8.4	8.4	8.6	8.4	8.4	8.4	8.3	8.4	9.0	8.6	8.6
MIN	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.2	8.2	8.4	8.4

WTR YR 2021 MEAN 8.36 MAX 9.00 MIN 8.19

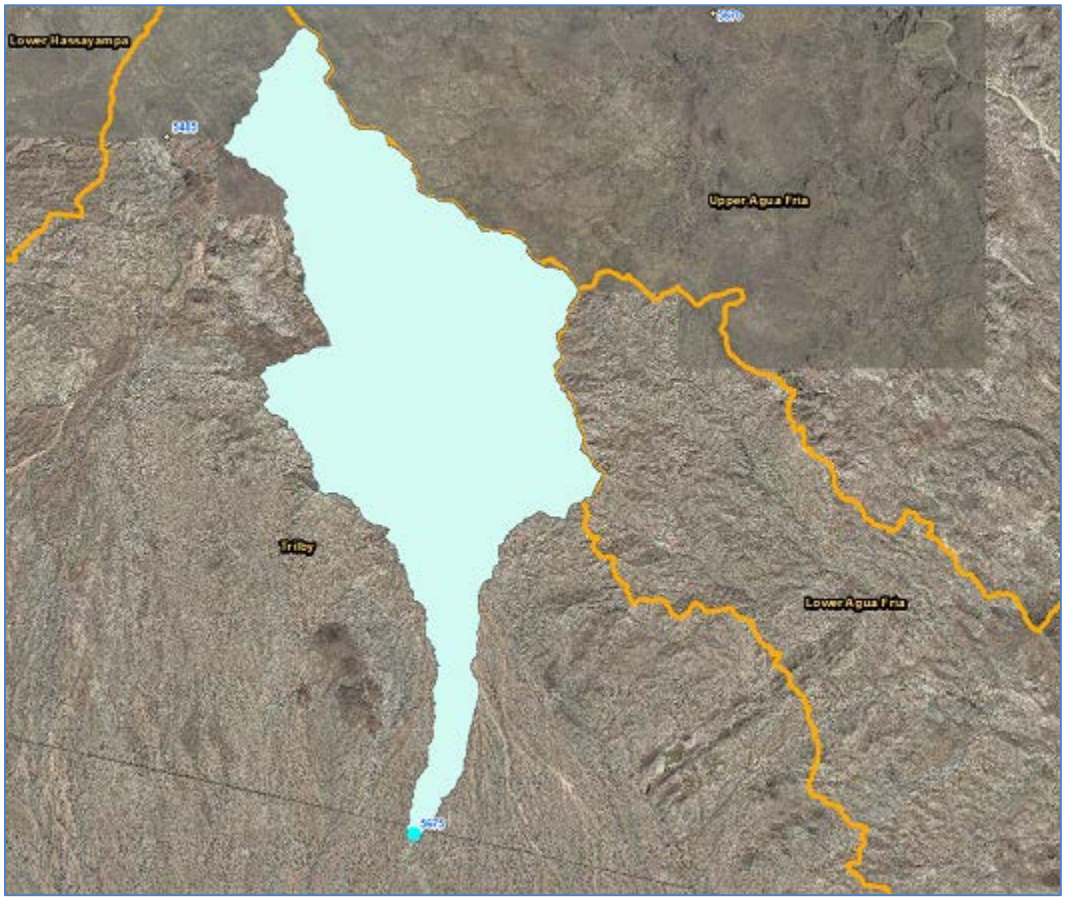
Picacho Wash, ID #74207

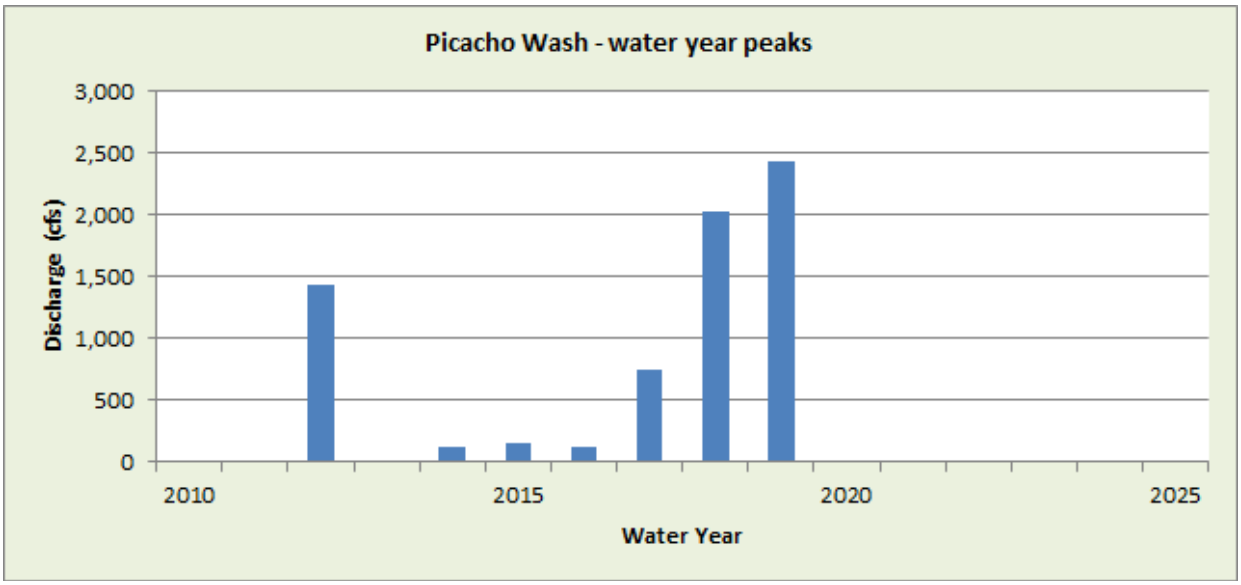


Site Data

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	9.47 Years | 3,460 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

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 2020 to September 2021

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												
14										---	---	
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16										---		
17										---		
18										---		
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

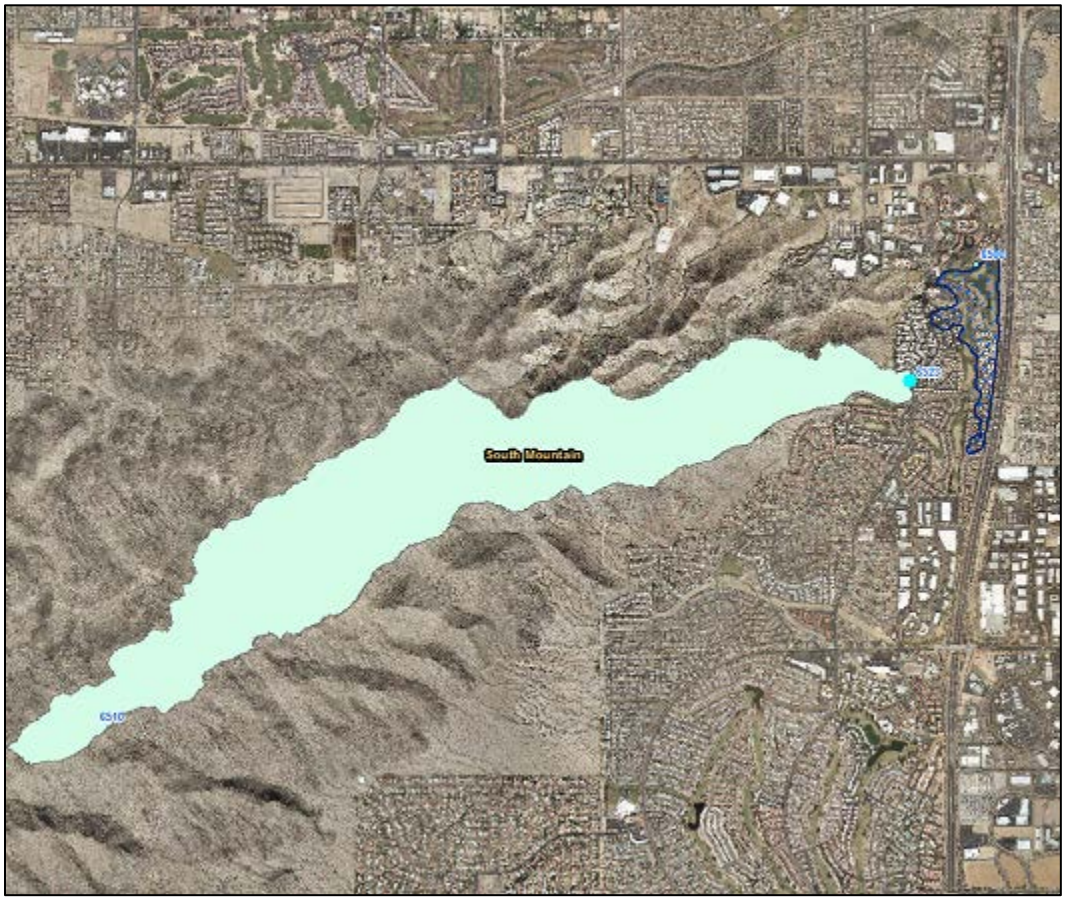
Pima Canyon Wash, ID #68707

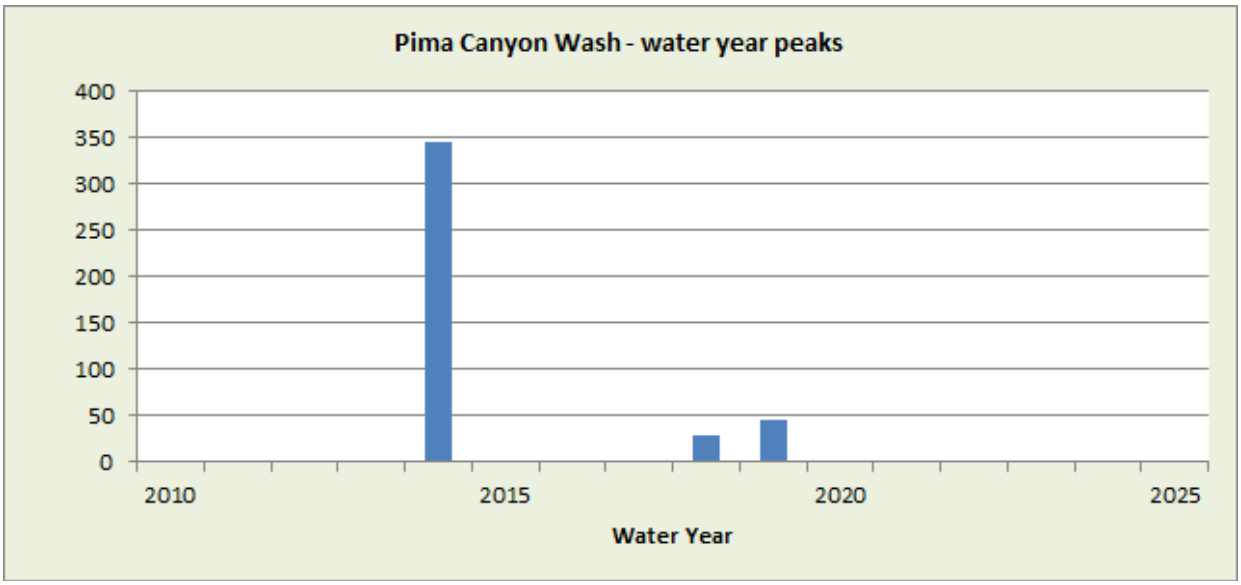


Site Data

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	7.46 Years | 2,726 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

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 2020 to September 2021

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												
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Powder House Wash, ID #52507

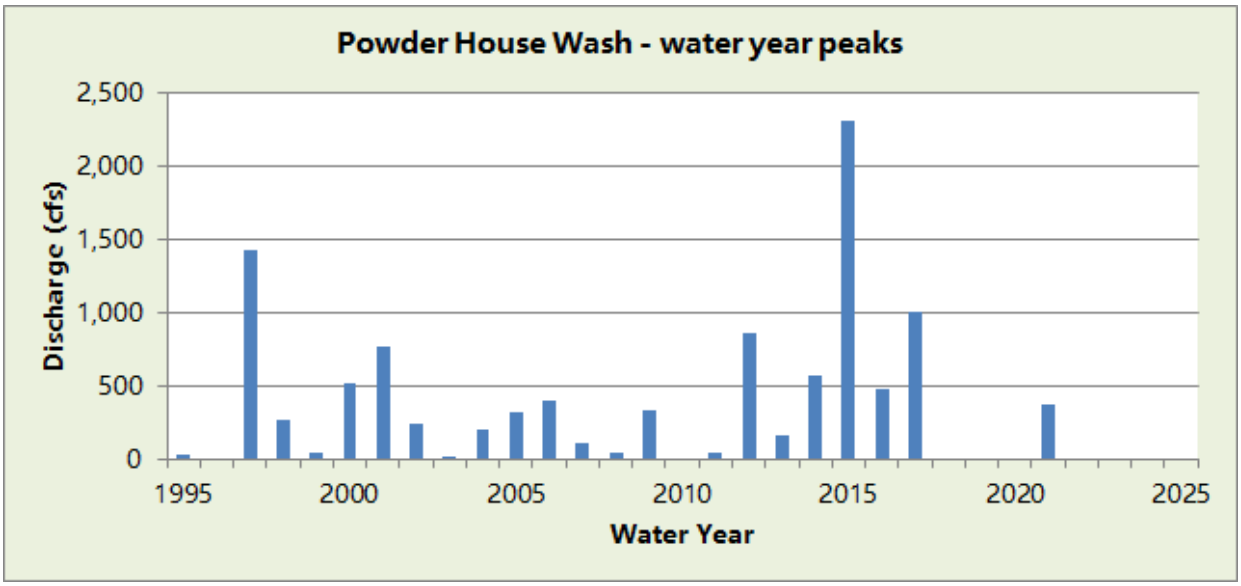


Site Data

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	26.37 Years | 9,633 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

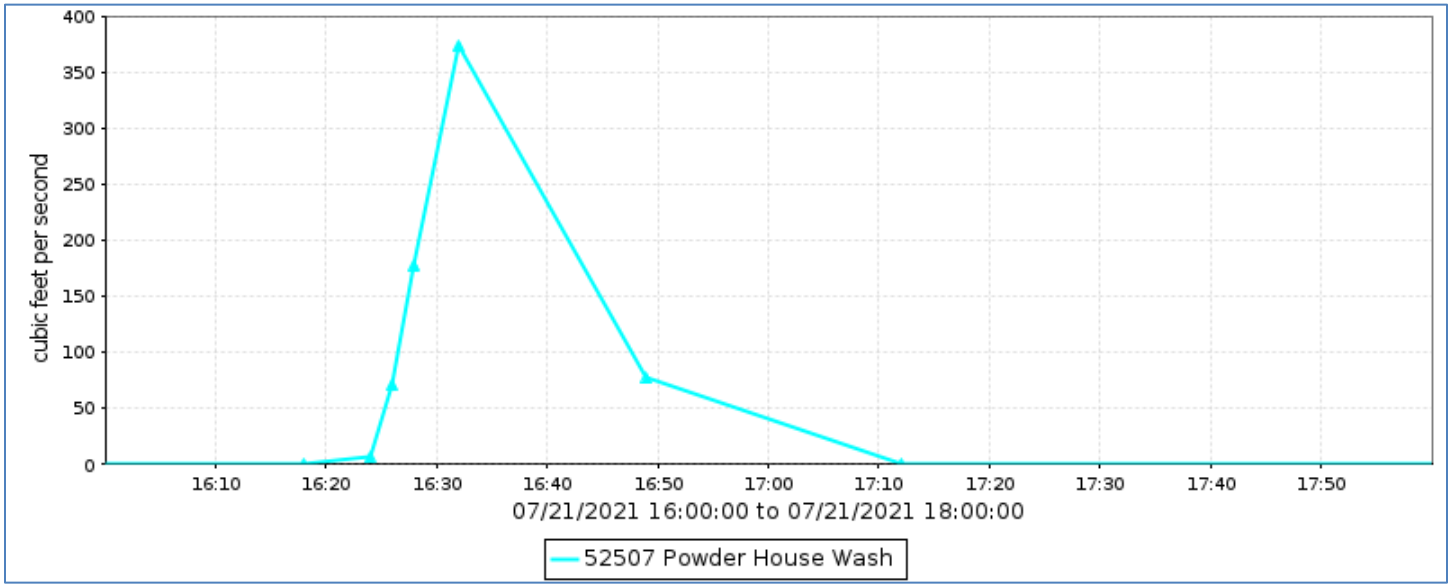




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
7/15/2021	-0.09	19
07/21/2021	0.79	373

Hydrograph of peak WY 2021 flow event, 07/21/2021



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**
148	**664**	**1,280**	**2,070**	**3,340**	**4,440**

NOTE: These results are based on very limited data.

Powder House Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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								---			---	
23												
24									---			
25				---					---	---		
26				---								
27										---		
28												
29					---			---				
30					---			---				
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	6	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	373	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	13	0	0

WTR YR 2021 TOTAL 8 MEAN 0 MAX 373 MIN 0 AC_FT 17

NOTE: Elevation of level sensor is about 0.5 feet above channel.

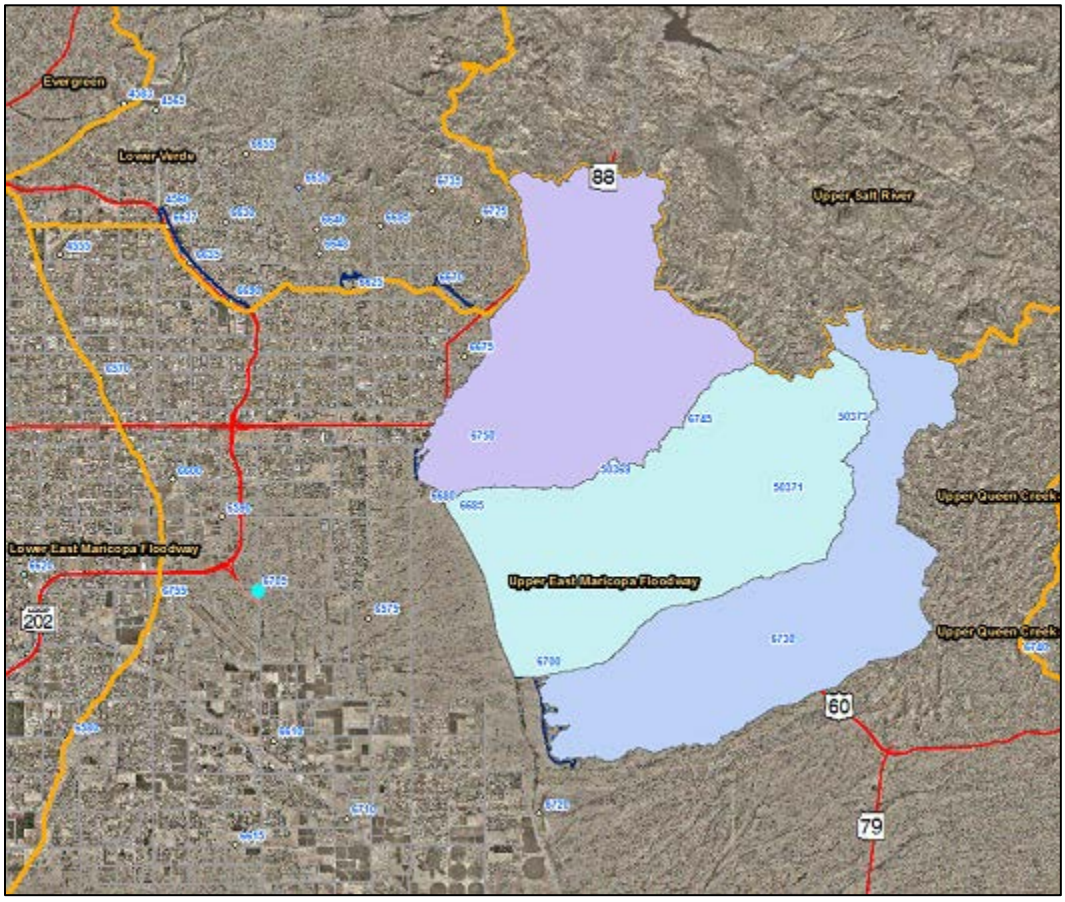
Powerline Floodway, ID #37507

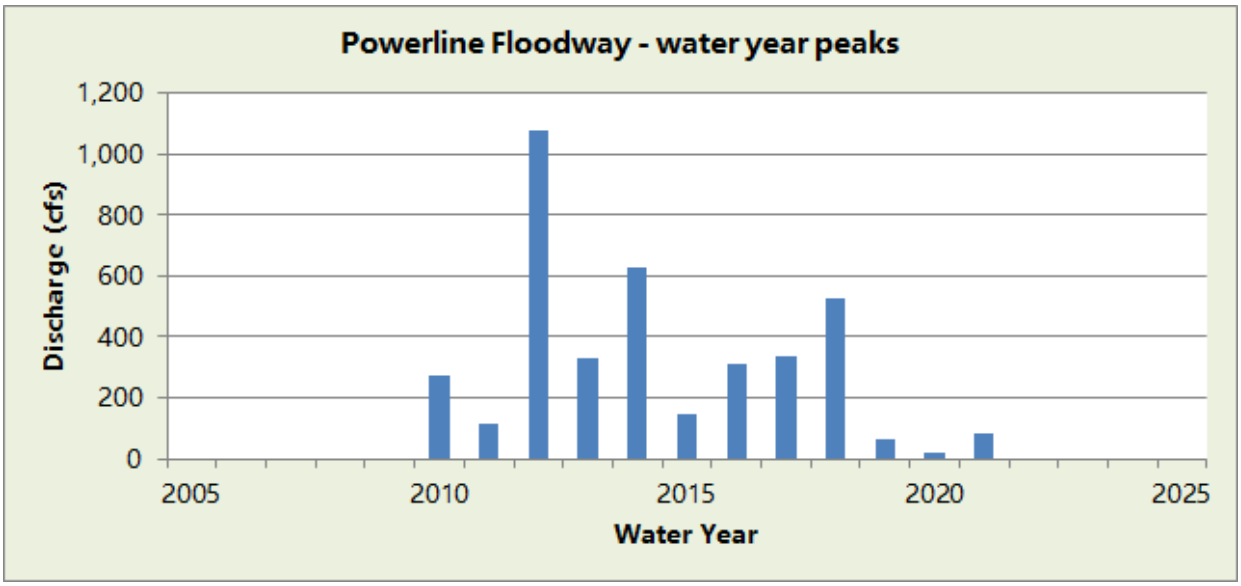


Site Data

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	13.63 Years | 4,979 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

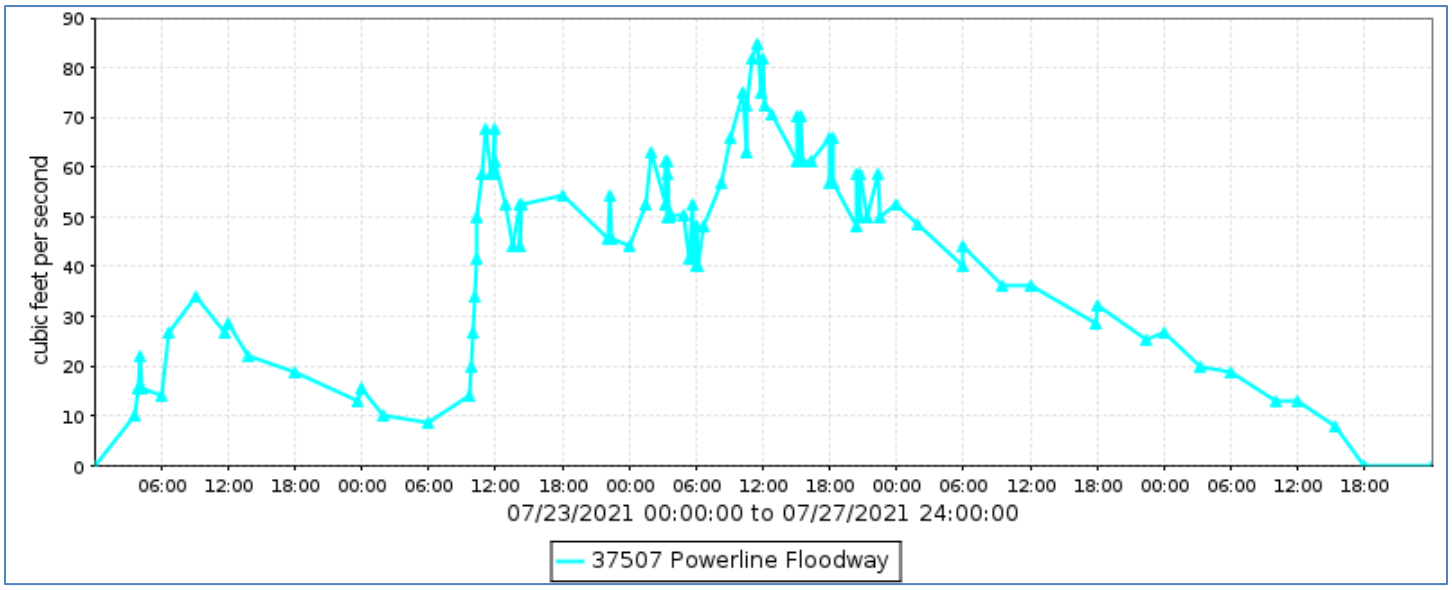




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/25/2021	1.25	85
08/11/2021	0.77	42
08/14/2021	0.95	57
08/17/2021	1.20	80
09/02/2021	0.67	34

Hydrograph of peak WY 2021 flow event, 07/25/2021



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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												6
3												
4												
5												
6												
7												
8												
9												
10												
11											10	
12												
13												
14											42	
15											20	
16											4	
17											61	
18											37	
19											14	
20											2	
21												
22												
23										19		
24										35		
25										58		
26										39		
27										13		
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	165	190	6
MEAN	0	0	0	0	0	0	0	0	0	5	6	0
MAX	0	0	0	0	0	0	0	0	0	85	80	34
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	327	376	12

WTR YR 2021 TOTAL 360 MEAN 1 MAX 85 MIN 0 AC_FT 715

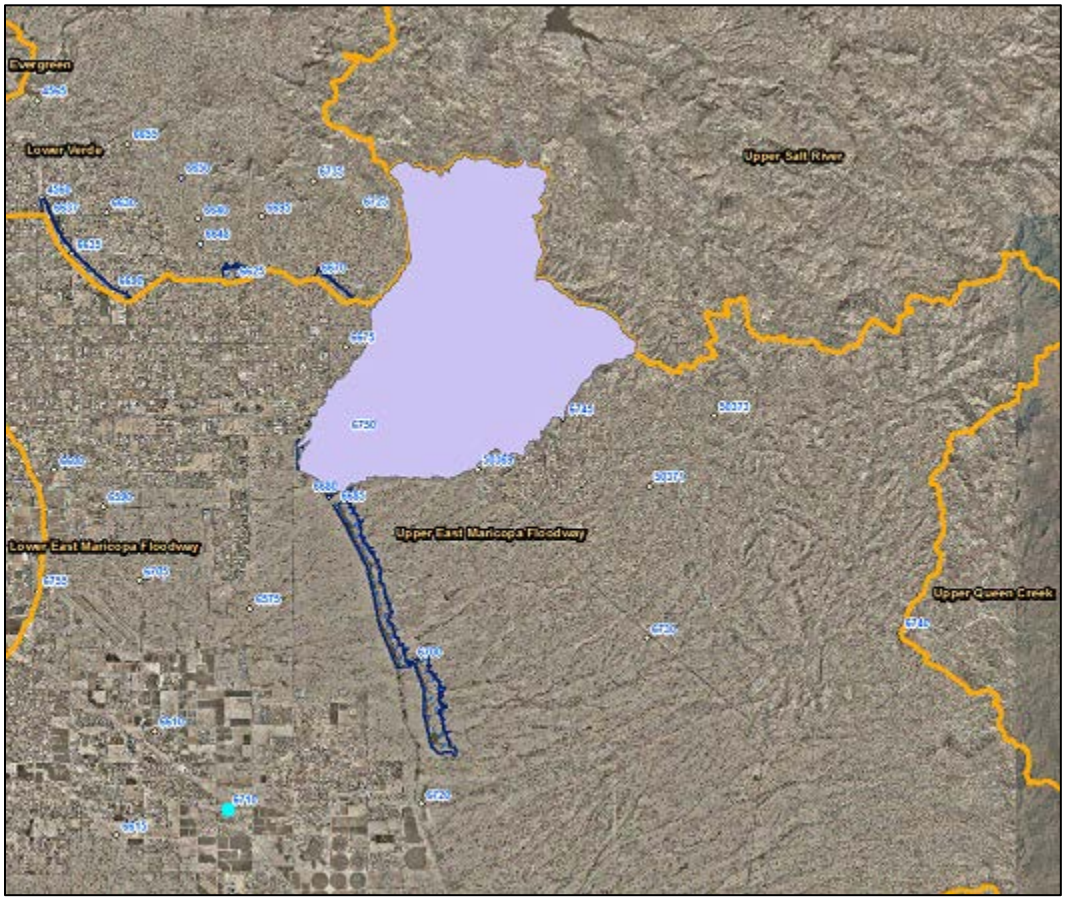
Powerline FRS, ID #36807

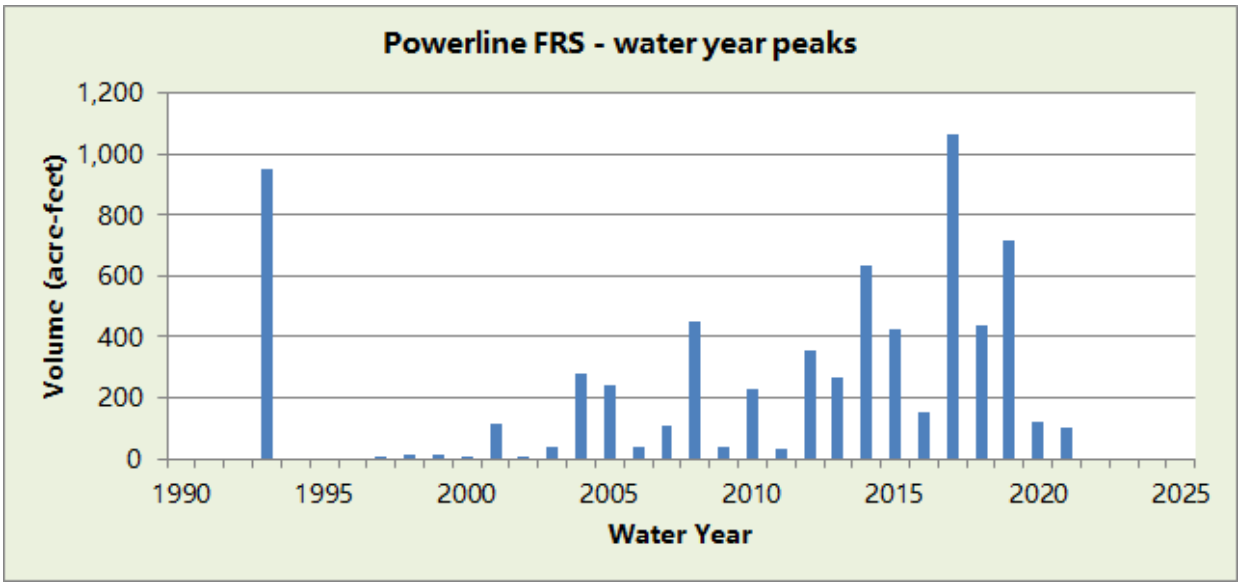


Site Data

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	28.83 Years | 10,530 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

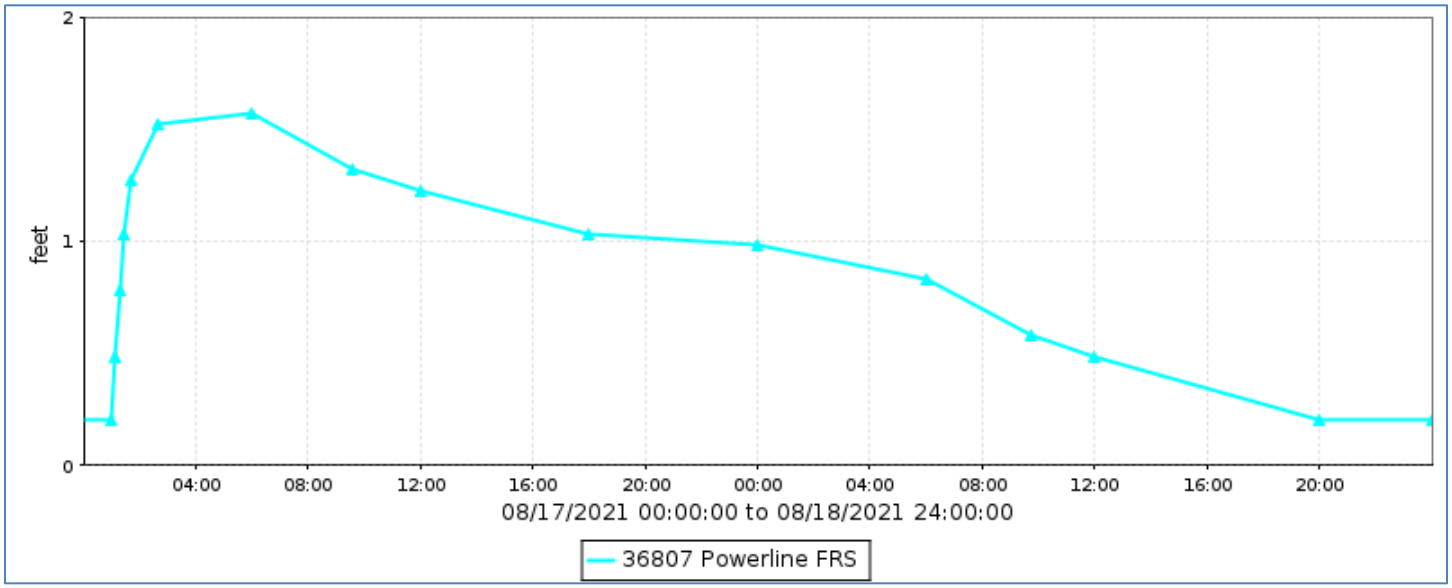




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/25/2021	0.63	40.3	0.6
08/14/2021	1.42	90.6	1.6
08/17/2021	1.57	100.1	1.8

Hydrograph of peak 2021 impoundment event, 08/17/2021



Powerline FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14											12	
15											3	
16												
17											15	
18											7	
19												
20												
21												
22												
23												
24										3		
25										7		
26										3		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	13	36	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	8	20	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	26	72	0

WTR YR 2021 TOTAL 49 MEAN 0 MAX 20 MIN 0 AC_FT 97

Powerline FRS, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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											60	
15											13	
16												
17											77	
18											38	
19												
20												
21												
22												
23												
24										14		
25										34		
26										15		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	2	6	0
MAX	0	0	0	0	0	0	0	0	0	40	100	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 1 MAX 100 MIN 0

Powerline FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	1.0	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	1.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	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	0.3	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	1.6	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 2021 MEAN 0.21 MAX 1.57 MIN 0.20

Price Drain, ID #31507

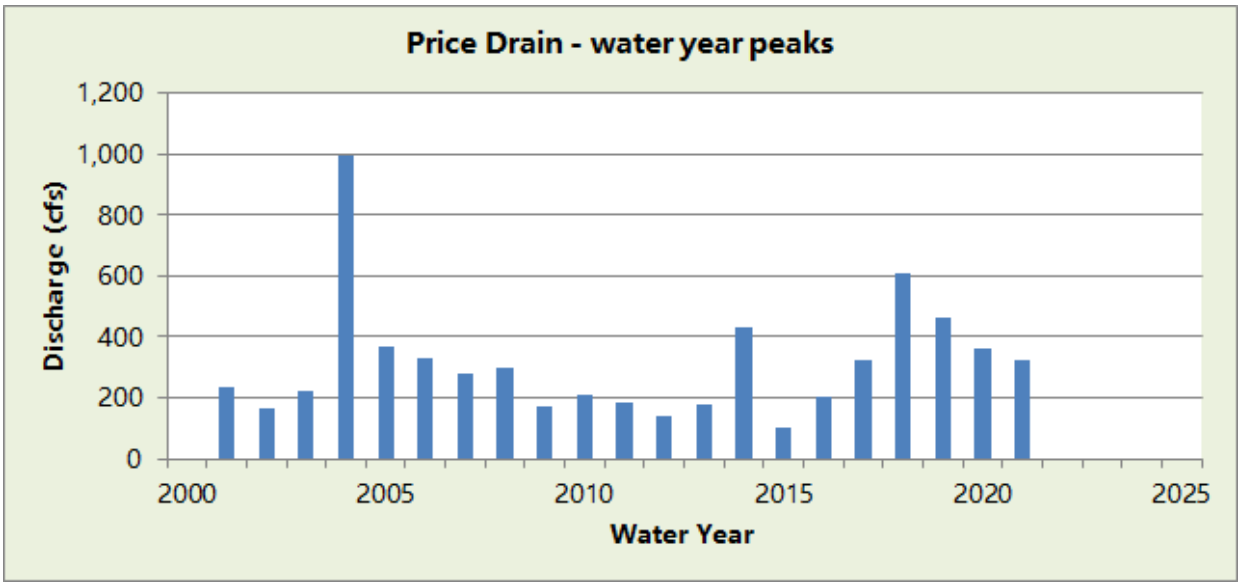


Site Data

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	20.62 Years | 7,530 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)

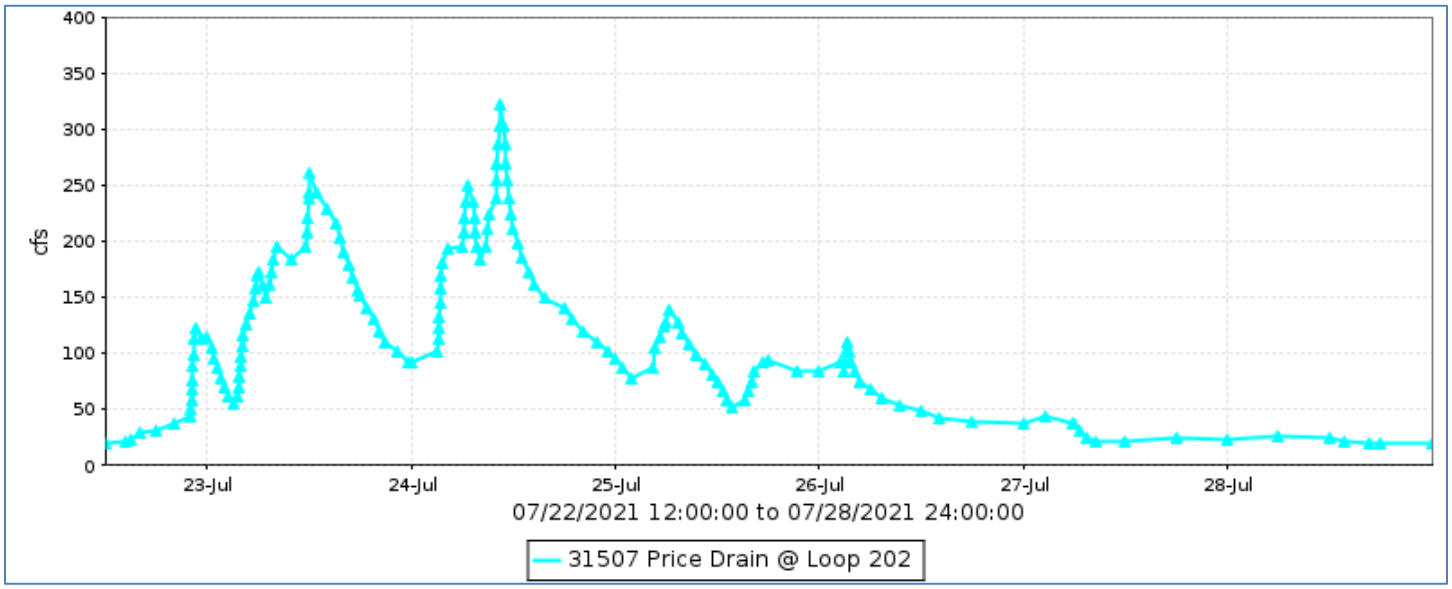




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
12/10/2020	2.37	86
01/25/2021	2.96	132
07/14/2021	2.49	95
07/14/2021	2.42	90
07/16/2021	2.19	74
07/22/2021	2.84	122
07/23/2021	4.24	260
07/24/2021	4.16	250
07/24/2021	4.69	322
07/25/2021	3.04	138
07/26/2021	2.69	110
07/31/2021	2.29	81
08/10/2021	2.12	70
08/14/2021	3.89	219
08/16/2021	3.29	160
08/17/2021	3.14	147
08/18/2021	2.91	127
09/02/2021	4.54	301
09/18/2021	3.14	147

Hydrograph of peak WY 2021 flow event, 07/24/2021



Flood Flow Frequency

This site is not suitable to compute a flood flow frequency.

Price Drain, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	19	24	15	16	18	18	18	28	23	13	93
2	18	18	19	19	9	20	16	18	26	28	9	73
3	19	22	20	16	9	16	15	20	30	19	9	17
4	16	22	21	18	11	20	18	23	44	15	15	15
5	21	21	19	18	11	20	15	26	28	20	12	12
6	21	22	19	17	11	23	11	23	20	20	11	14
7	21	19	18	20	11	19	15	37	21	25	15	12
8	27	15	13	18	16	19	10	24	26	22	12	14
9	24	18	13	13	12	18	17	20	26	24	13	13
10	22	20	41	17	16	18	13	21	25	21	43	18
11	19	24	18	18	20	19	12	21	21	20	50	19
12	22	26	10	17	19	26	12	30	20	26	56	15
13	20	19	11	16	17	30	13	21	18	27	55	13
14	23	21	11	18	19	21	16	19	21	60	137	12
15	23	21	10	17	17	19	13	18	22	42	64	15
16	25	17	11	16	17	19	18	17	26	51	122	14
17	21	13	11	15	20	17	22	19	27	28	99	17
18	22	13	11	15	18	17	19	25	31	17	81	27
19	18	16	10	14	18	20	19	33	23	15	75	20
20	8	11	12	19	17	22	23	34	24	18	34	13
21	12	11	20	19	19	20	23	38	18	19	19	14
22	12	9	20	19	22	21	21	32	19	29	18	15
23	21	10	17	18	20	22	33	19	25	154	20	15
24	17	10	12	23	17	19	19	24	25	164	20	20
25	13	14	14	62	18	23	19	30	20	89	21	20
26	15	12	14	56	16	17	19	39	21	56	22	27
27	16	13	15	21	19	15	20	23	15	27	34	20
28	16	16	14	18	18	14	27	24	17	22	30	14
29	39	18	15	19	---	12	18	23	18	14	21	12
30	26	22	15	25	---	12	18	21	20	17	16	13
31	20	---	15	20	---	12	---	19	---	46	19	---
TOTAL	619	514	492	638	455	585	532	757	707	1159	1162	615
MEAN	20	17	16	21	16	19	18	24	24	37	37	20
MAX	60	40	86	132	29	54	48	63	66	322	219	301
MIN	5	7	7	11	6	7	7	13	13	10	6	9
AC_FT	1228	1019	976	1265	902	1161	1056	1501	1402	2298	2305	1219

WTR YR 2021 TOTAL 8234 MEAN 23 MAX 322 MIN 5 AC_FT 16333

NOTE: There is almost always a base flow at this location, of undetermined origin.

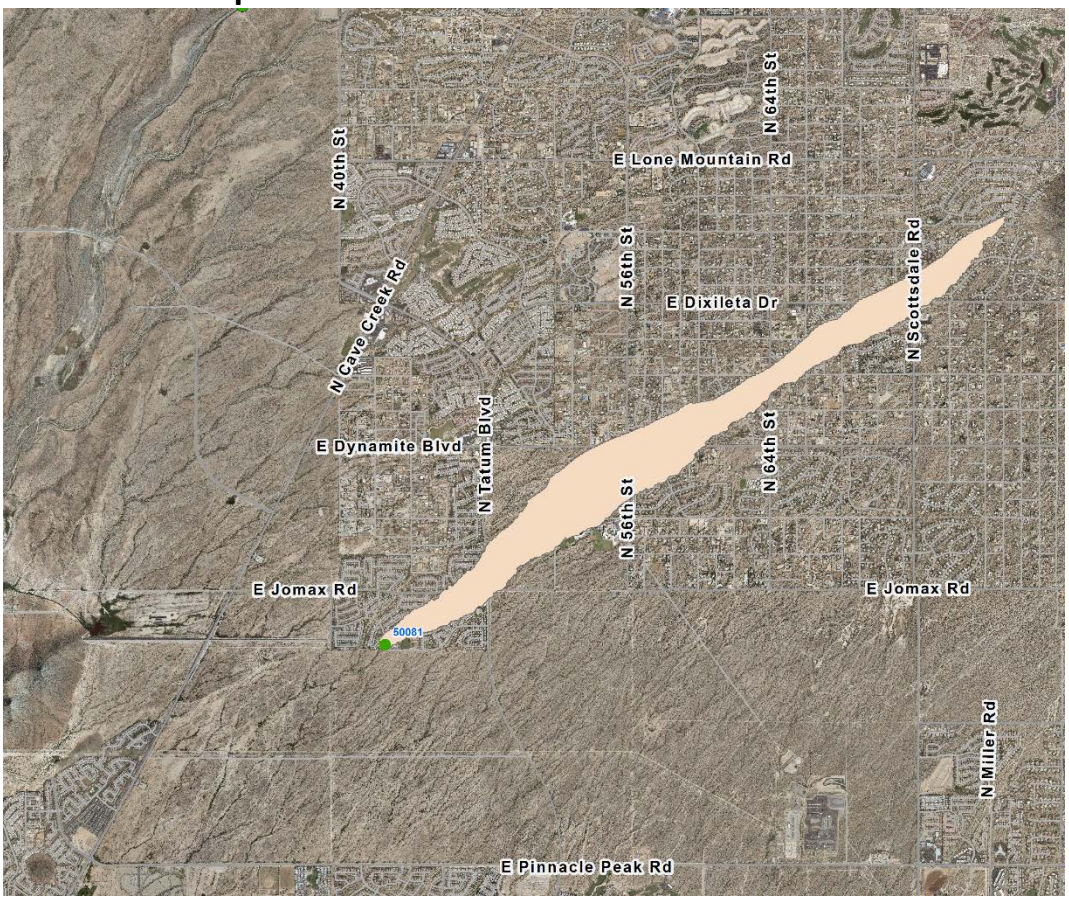
Prickly Pear Wash, ID #8107

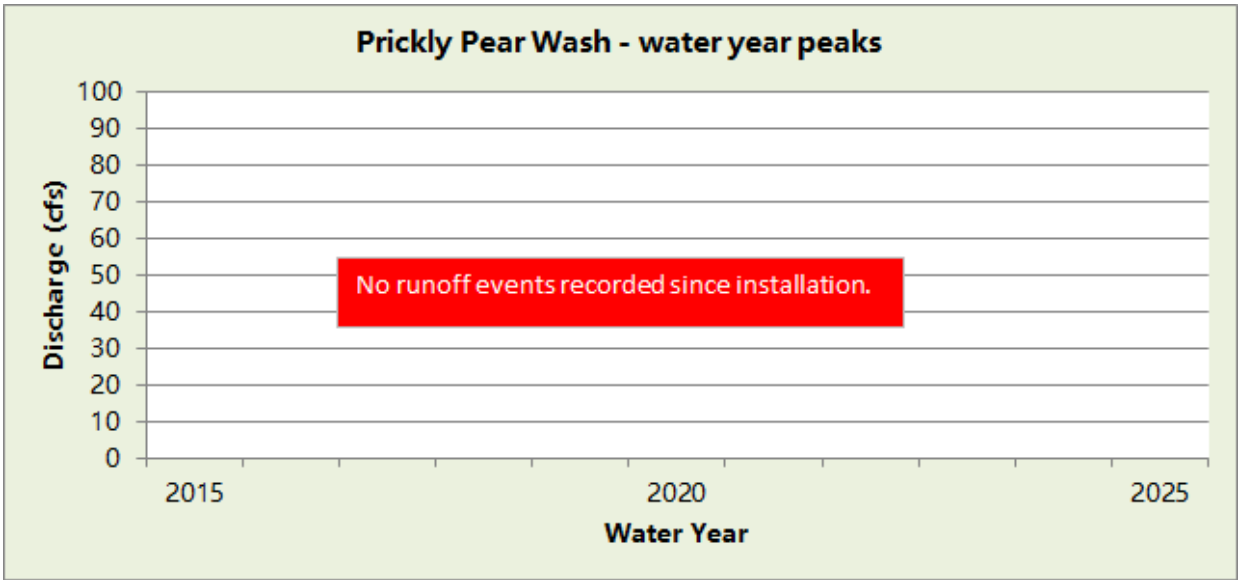


Site Data

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	4.33 Years | 1,583 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event

There was no runoff events recorded in Water Year 2021.

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 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

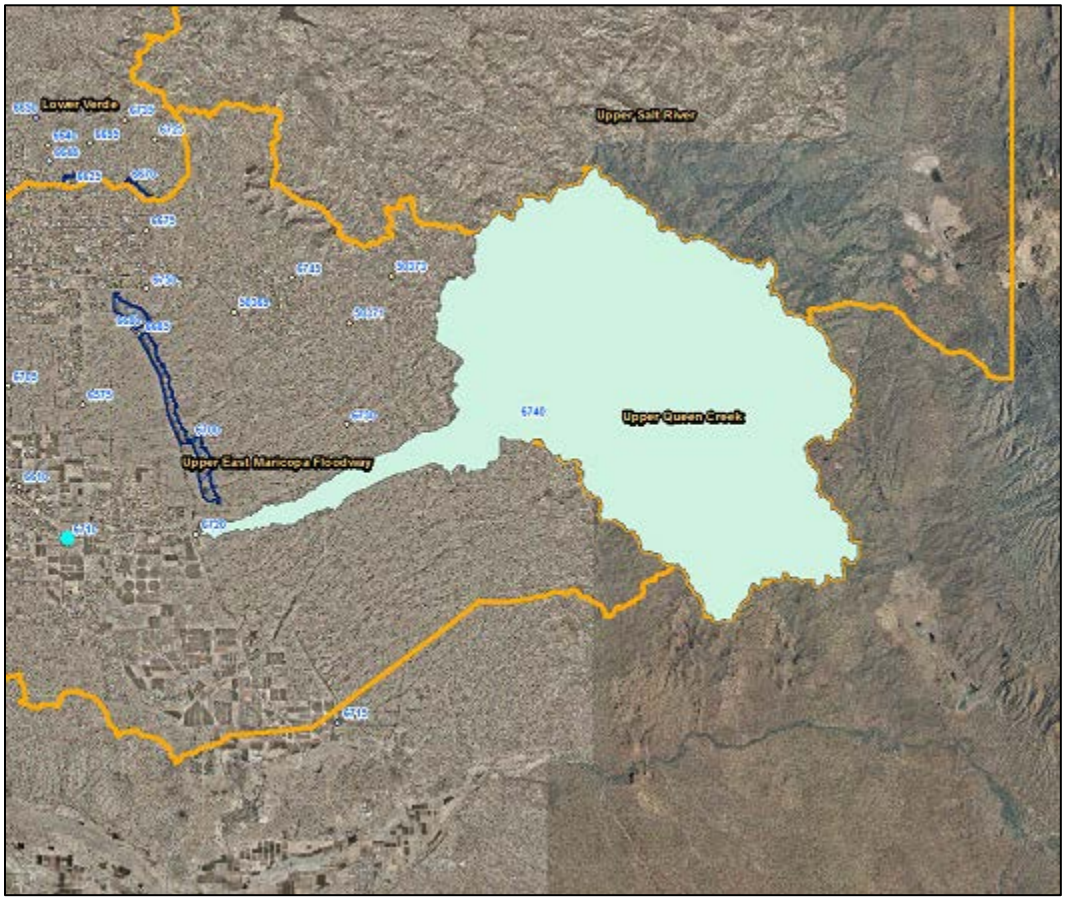
Queen Creek at CAP, ID #38007

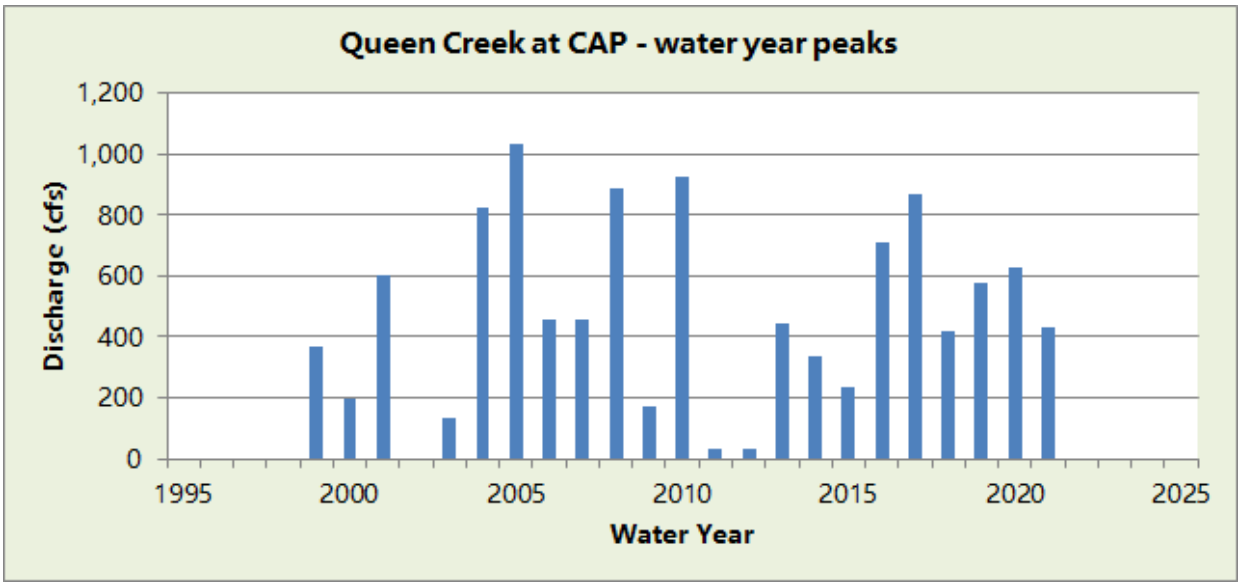


Site Data

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	22.71 Years | 8,296 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

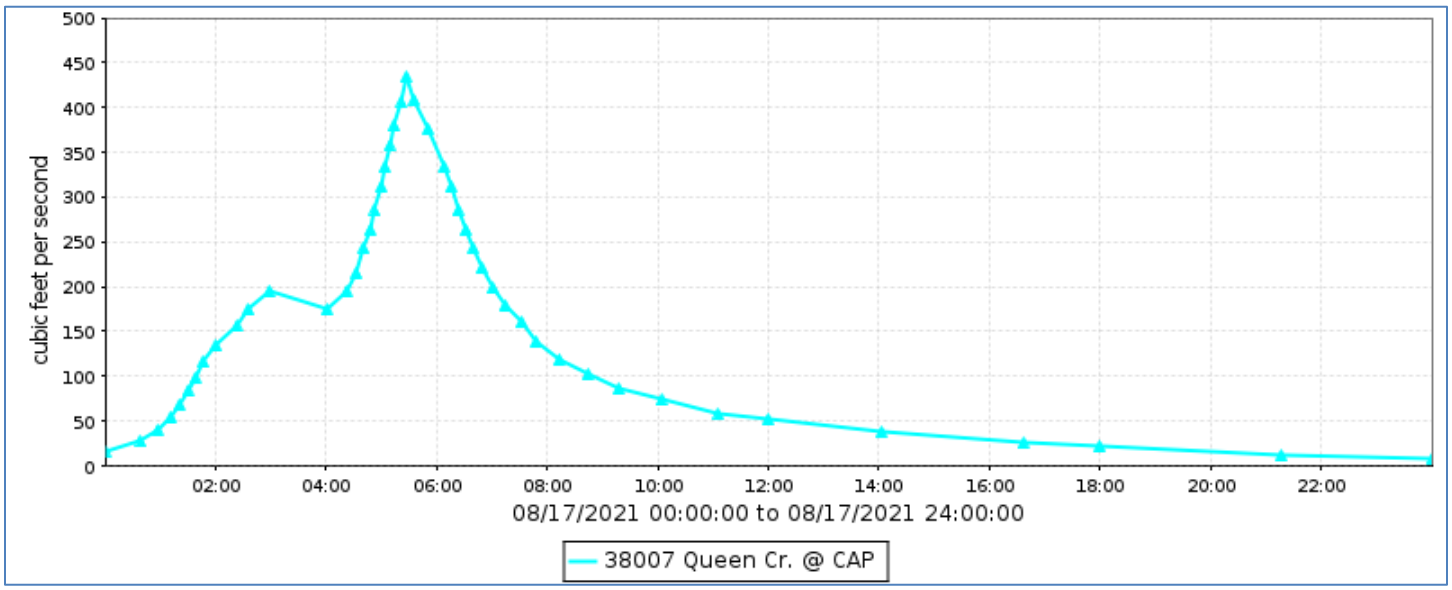




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/22/2021	3.14	43
07/22/2021	3.46	82
07/24/2021	2.96	25
07/24/2021	3.95	151
07/25/2021	3.95	151
07/26/2021	3.33	66
08/11/2021	3.86	136
08/14/2021	3.70	112
08/15/2021	4.63	264
08/17/2021	5.55	434

Hydrograph of peak WY 2021 flow event, 08/17/2021



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 2020 to September 2021

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											34	
12												
13											3	
14											119	
15											96	
16												
17											91	
18											2	
19												
20												
21												
22										2		
23										5		
24										38		
25										57		
26										22		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	124	344	0
MEAN	0	0	0	0	0	0	0	0	0	4	11	0
MAX	0	0	0	0	0	0	0	0	0	151	434	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	245	682	0

WTR YR 2021 TOTAL 467 MEAN 1 MAX 434 MIN 0 AC_FT 927

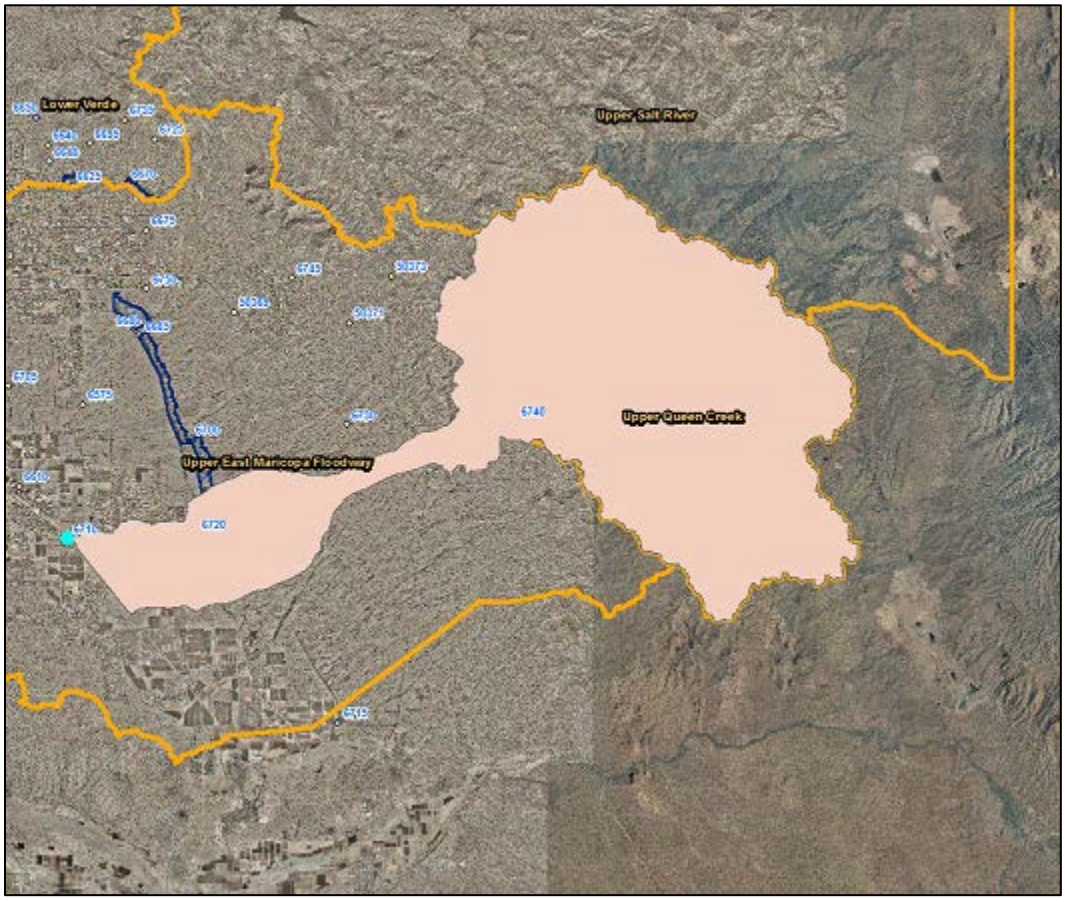
Queen Creek at Rittenhouse Road, ID #37707

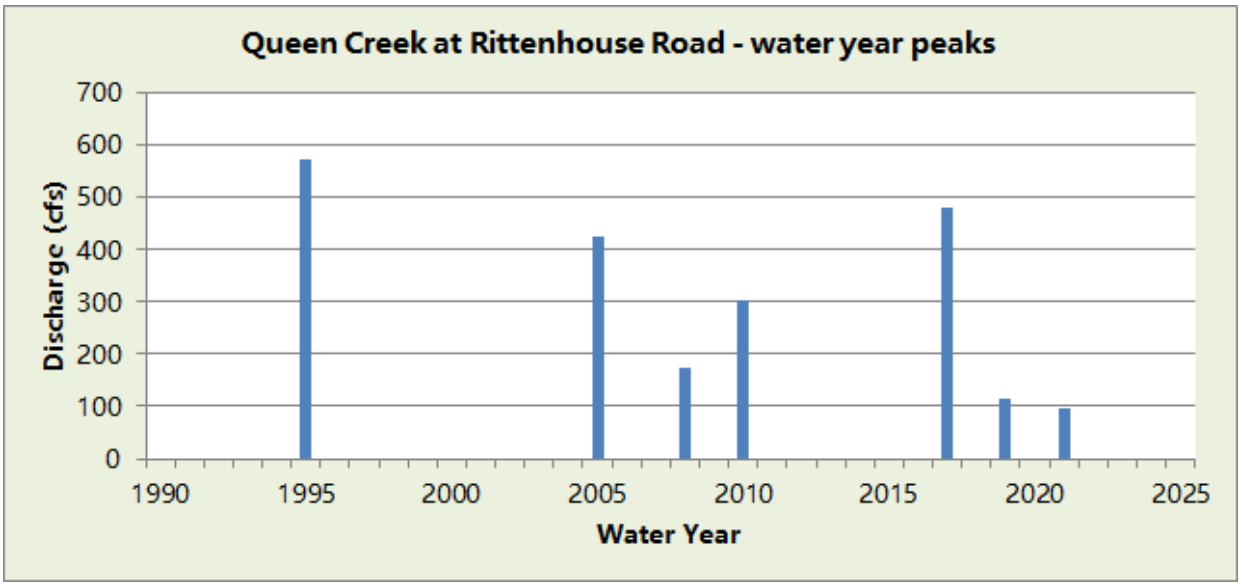


Site Data

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	28.05 Years | 10,244 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

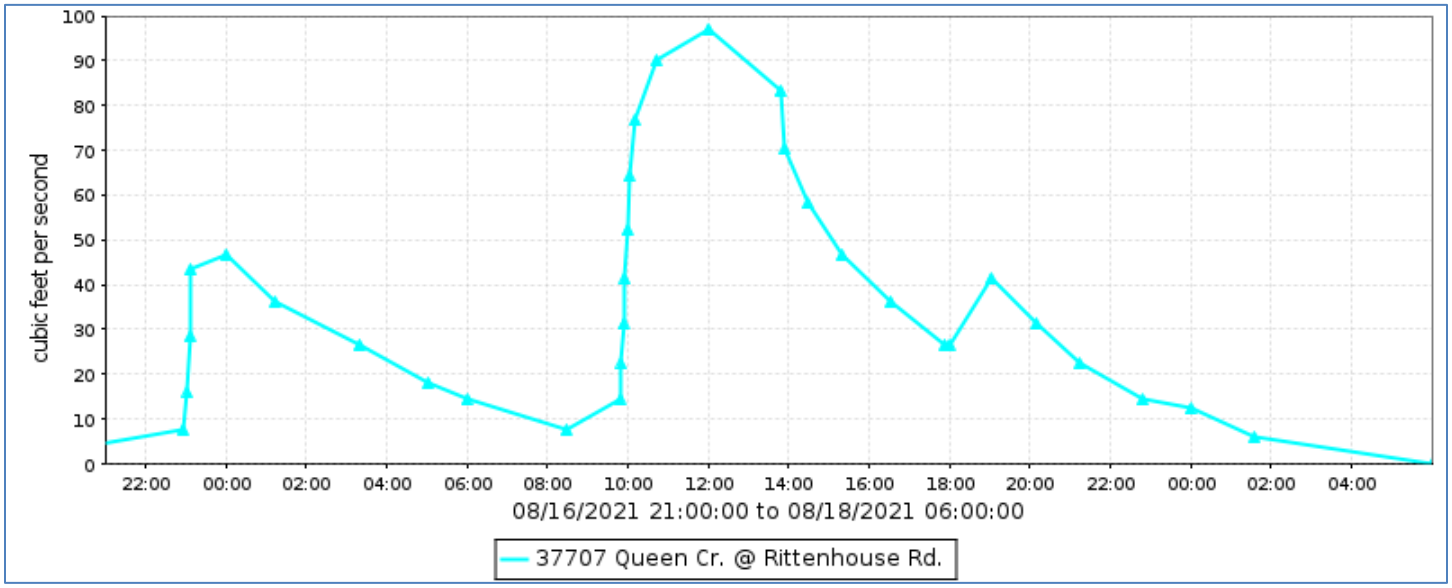




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/17/2021	0.65	47
08/17/2021	1.05	97

Hydrograph of peak WY 2021 flow event, 08/17/2021



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 2020 to September 2021

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											40	
18				---							2	
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	44	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	8	97	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	87	0

WTR YR 2021 TOTAL 44 MEAN 0 MAX 97 MIN 0 AC_FT 87

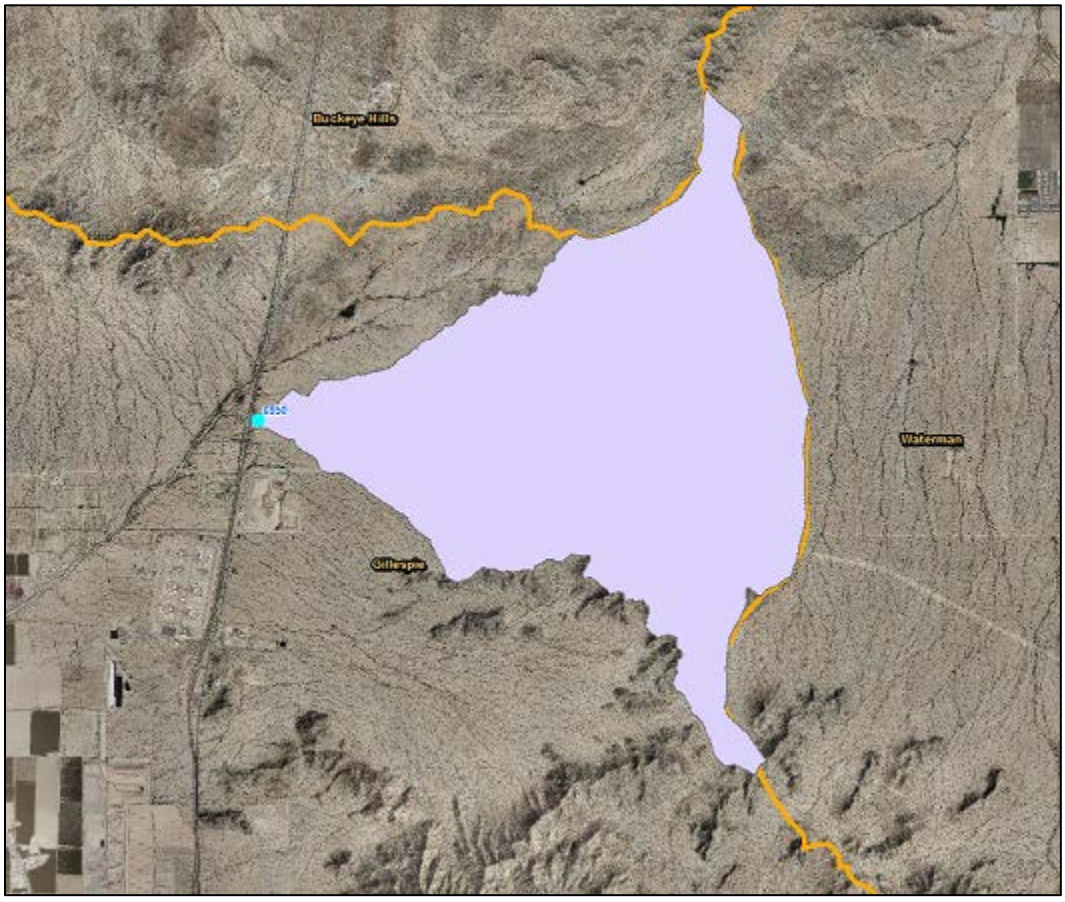
Rainbow Wash, ID #42807

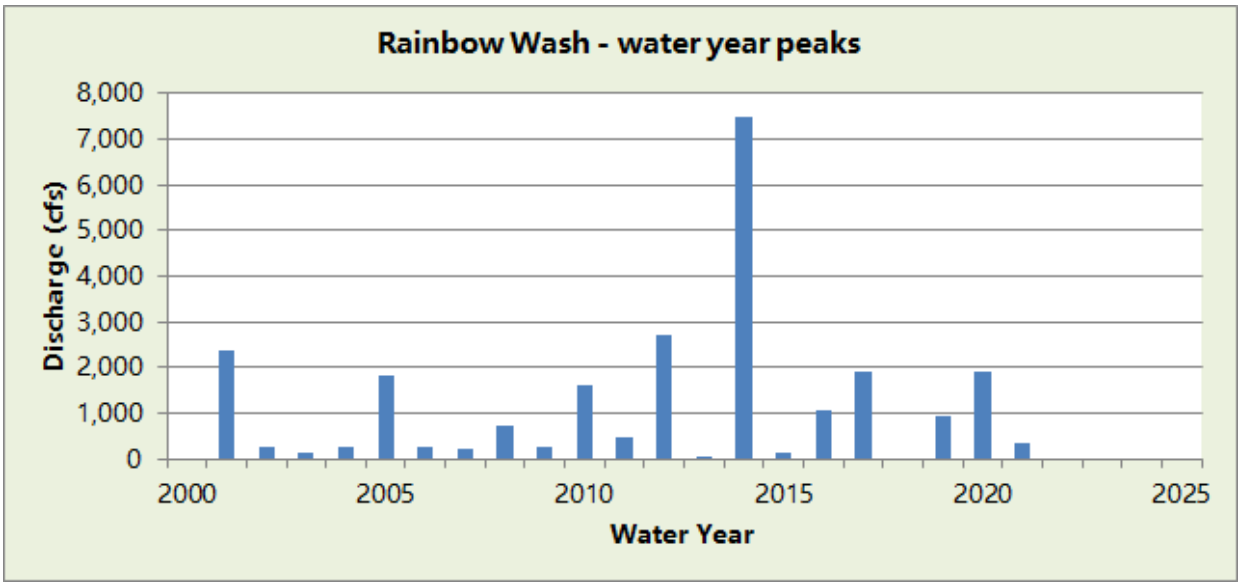


Site Data

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	20.90 Years | 7,634 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

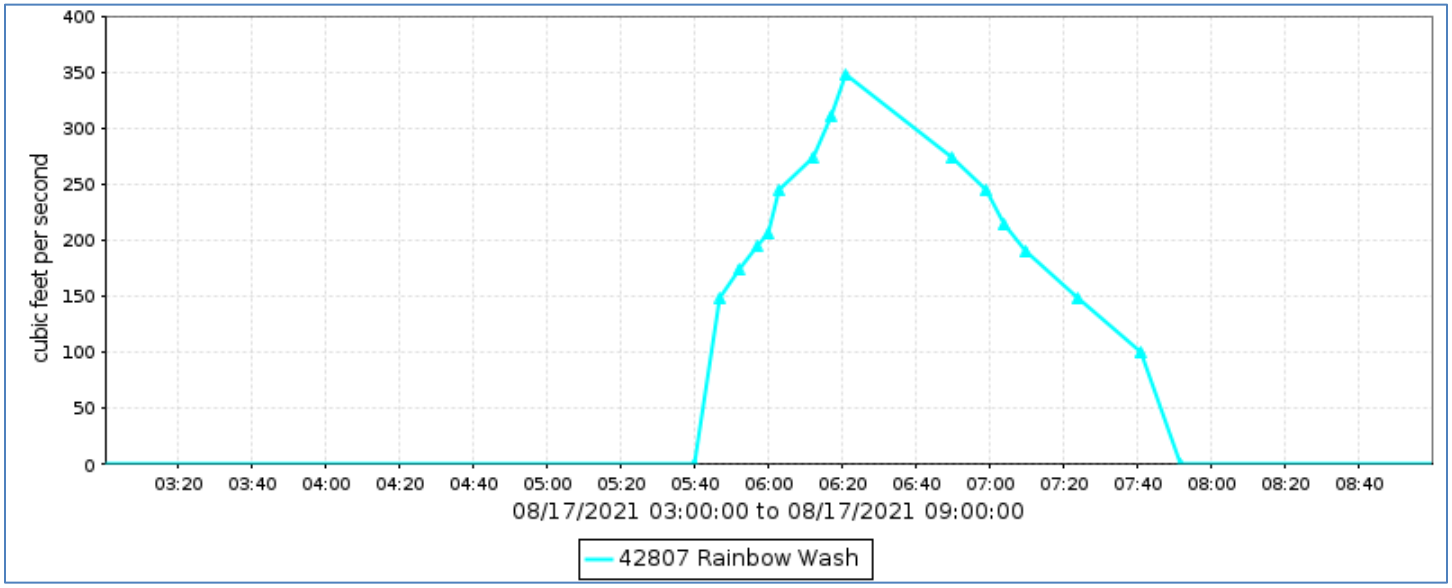




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/17/2021	1.19	347
09/02/2021	0.34	118

Hydrograph of peak WY 2021 flow event, 08/17/2021



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**
563	**1,710**	**3,020**	**4,780**	**7,980**	**11,200**

NOTE: These results are based on limited data.

Rainbow Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												4
3												
4												
5												---
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17											20	
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	20	4
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	0	347	118
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	40	8

WTR YR 2021 TOTAL 24 MEAN 0 MAX 347 MIN 0 AC_FT 48

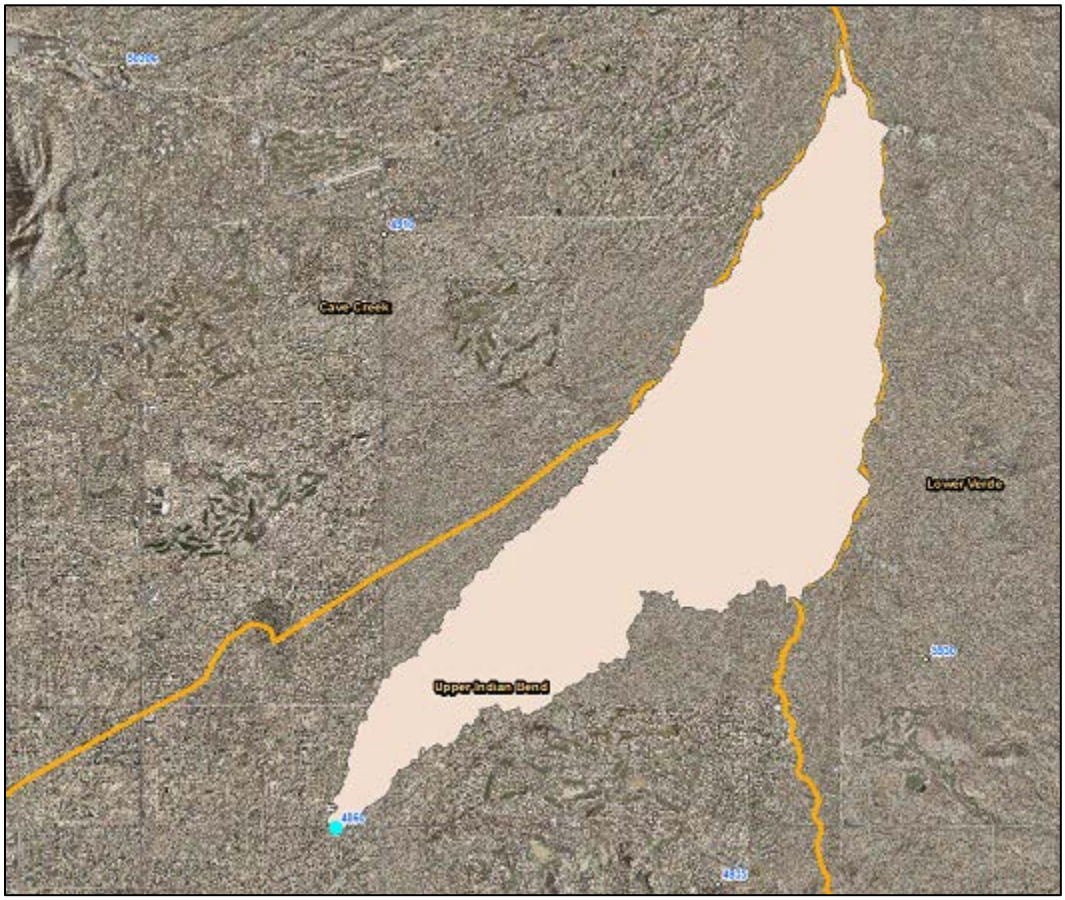
Rawhide Wash, ID #61007

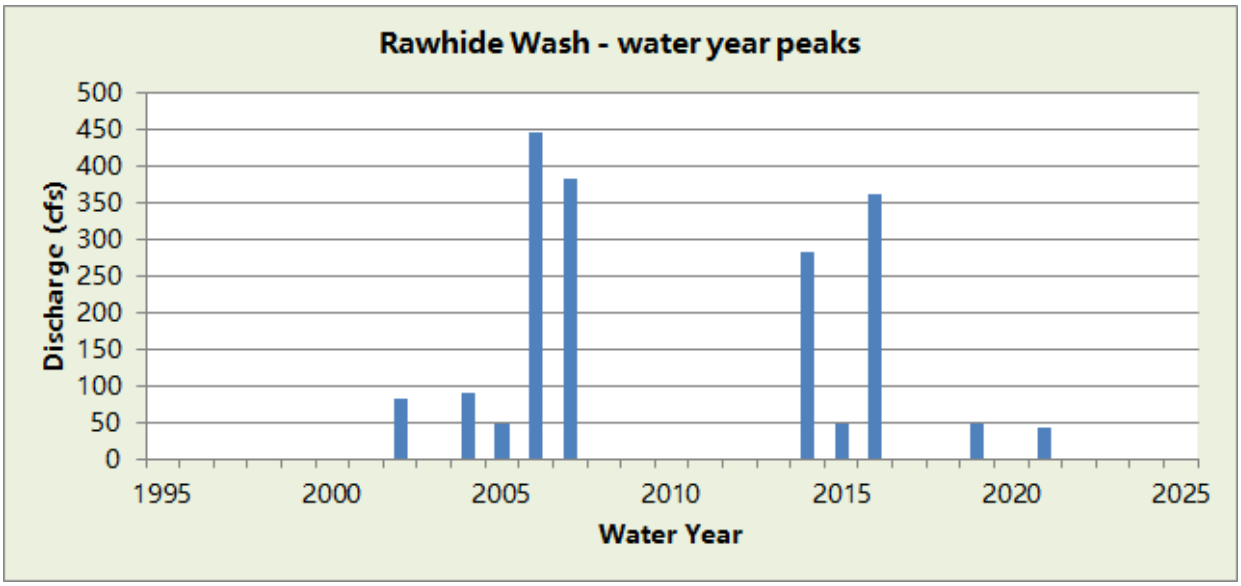


Site Data

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	22.18 Years | 8,102 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

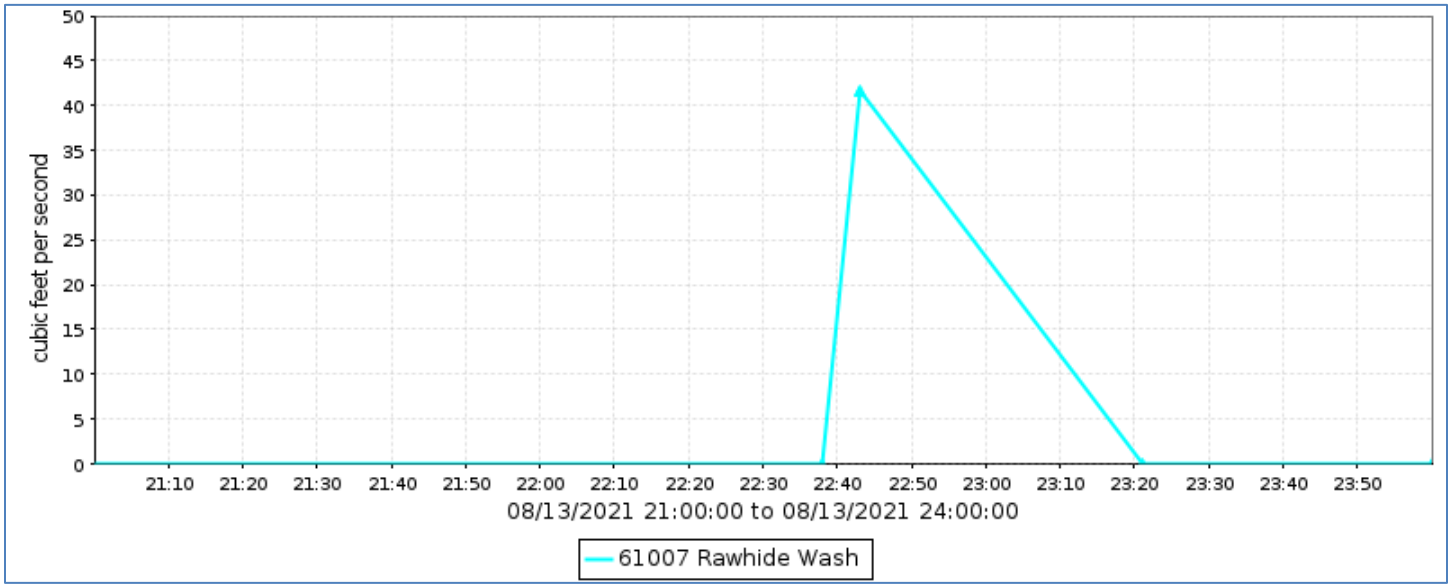




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/13/2021	0.66	42

Hydrograph of peak WY 2021 flow event, 08/13/2021



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 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 1 MEAN 0 MAX 42 MIN 0 AC_FT 2

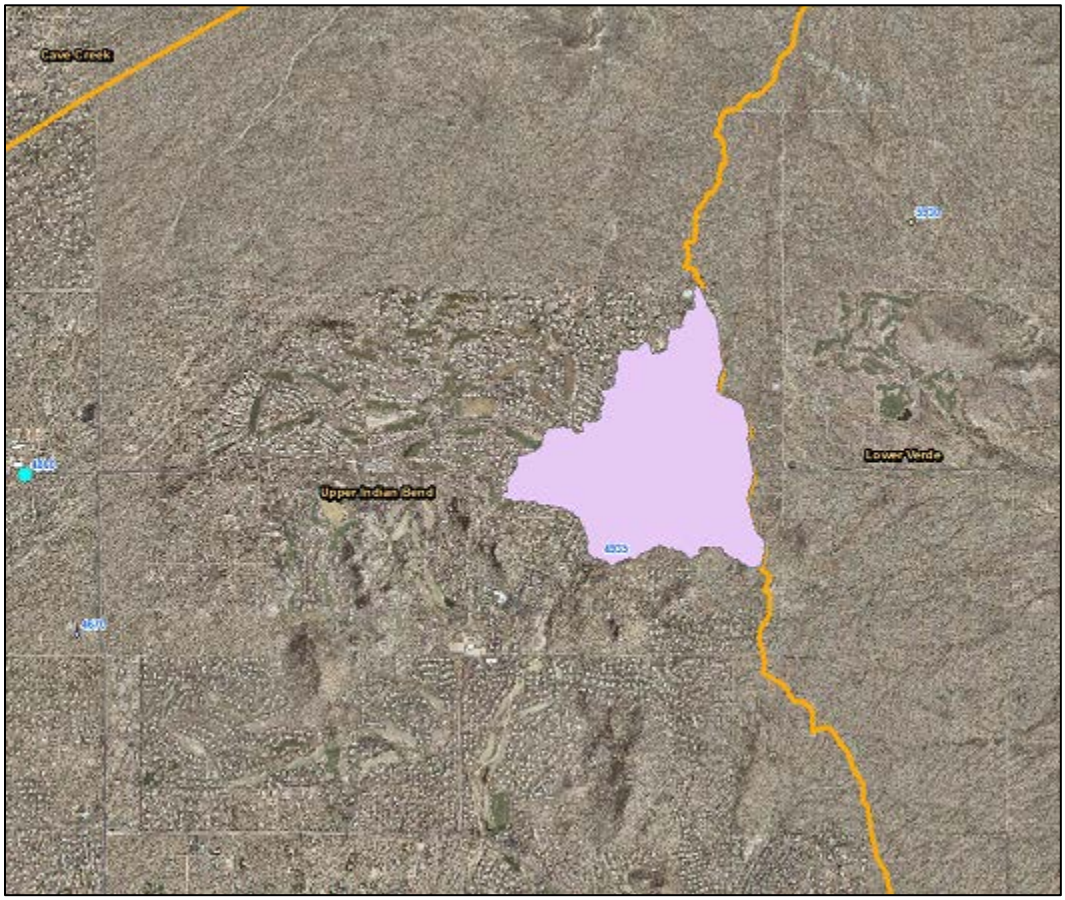
Reata Pass Dam, ID #61207

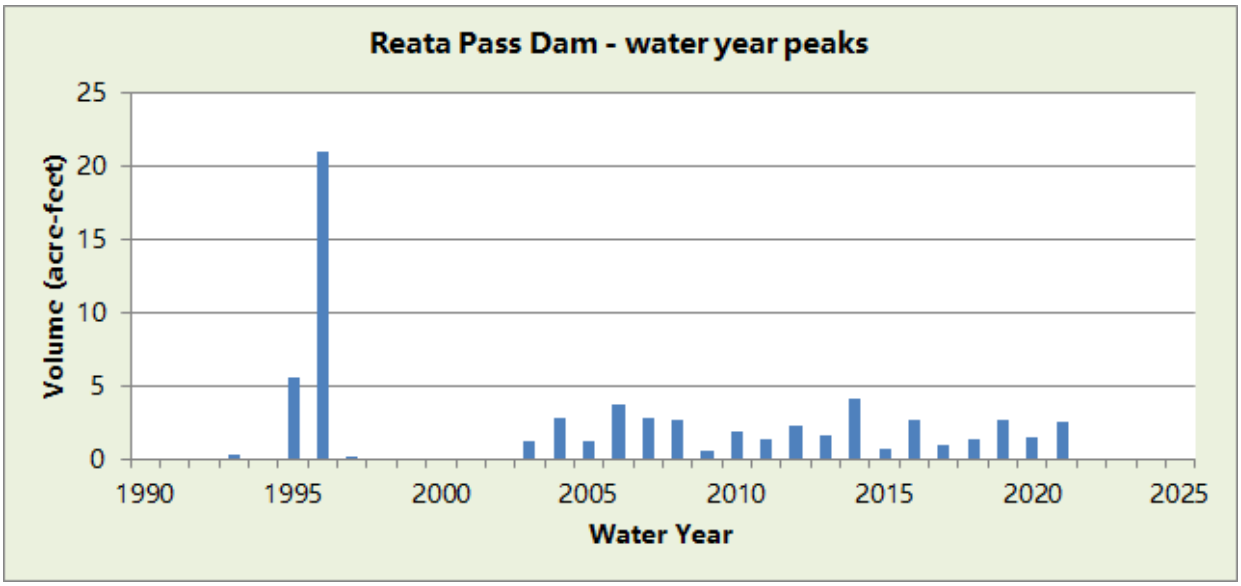


Site Data

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	20.00 Years | 7,304 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

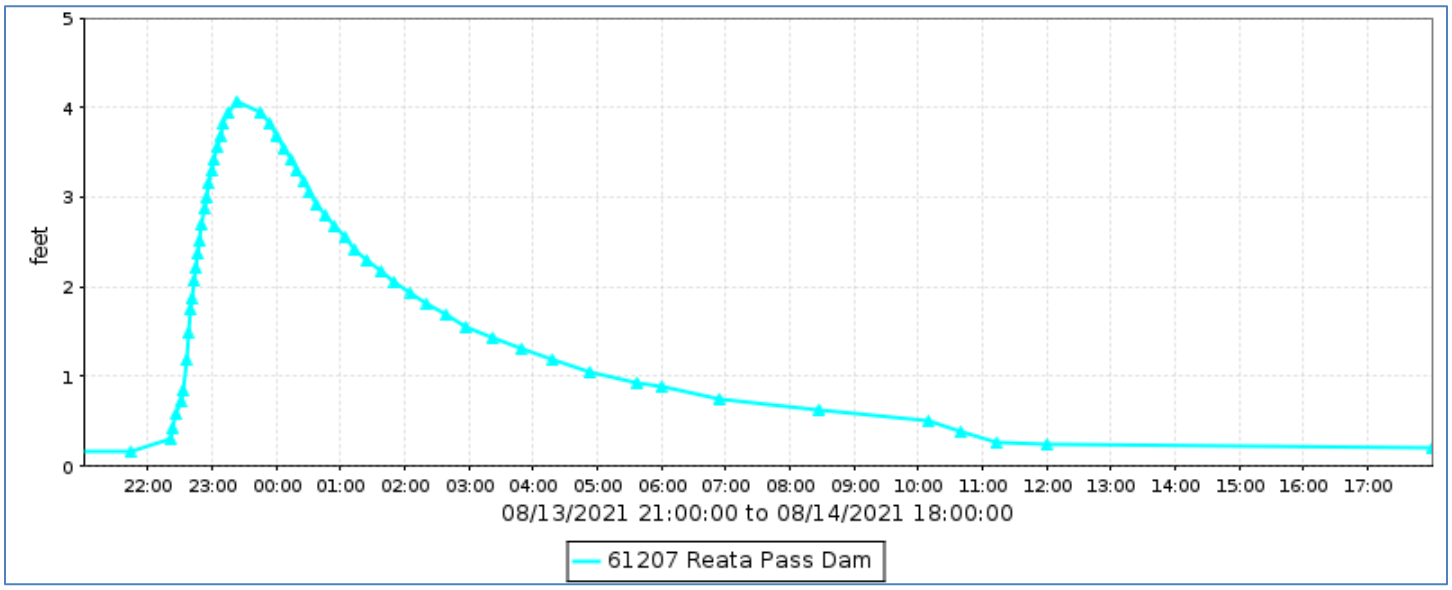




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/12/2021	3.20	1.6	3.2
07/14/2021	1.33	0.1	0.7
07/23/2021	1.68	0.4	0.9
08/13/2021	4.07	2.5	5.2
08/17/2021	1.08	0.0	0.6
08/18/2021	2.30	0.8	1.6
09/01/2021	1.48	0.3	0.8

Hydrograph of peak 2021 impoundment event, 08/13/2021



Reata Pass Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---										1
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12										4		
13											5	
14											6	
15												
16												
17												
18											5	
19												
20												
21												
22												
23										1		
24												
25												
26												
27	---											
28												
29	---				---							
30	---				---							
31	---	---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	5	16	1
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	78	113	6
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	10	33	1

WTR YR 2021 TOTAL 22 MEAN 0 MAX 113 MIN 0 AC_FT 44

Reata Pass Dam, volume data

Volume, in Acre-Feet, Water Year October 2020 to September 2021

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	2	3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 3 MIN 0

Reata Pass Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.5
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	0.3	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.7	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	0.2	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	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	0.5	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
27	---	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
30	---	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	---	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.2	---
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
MAX	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	4.1	1.5
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 2021 MEAN 0.16 MAX 4.07 MIN 0.15

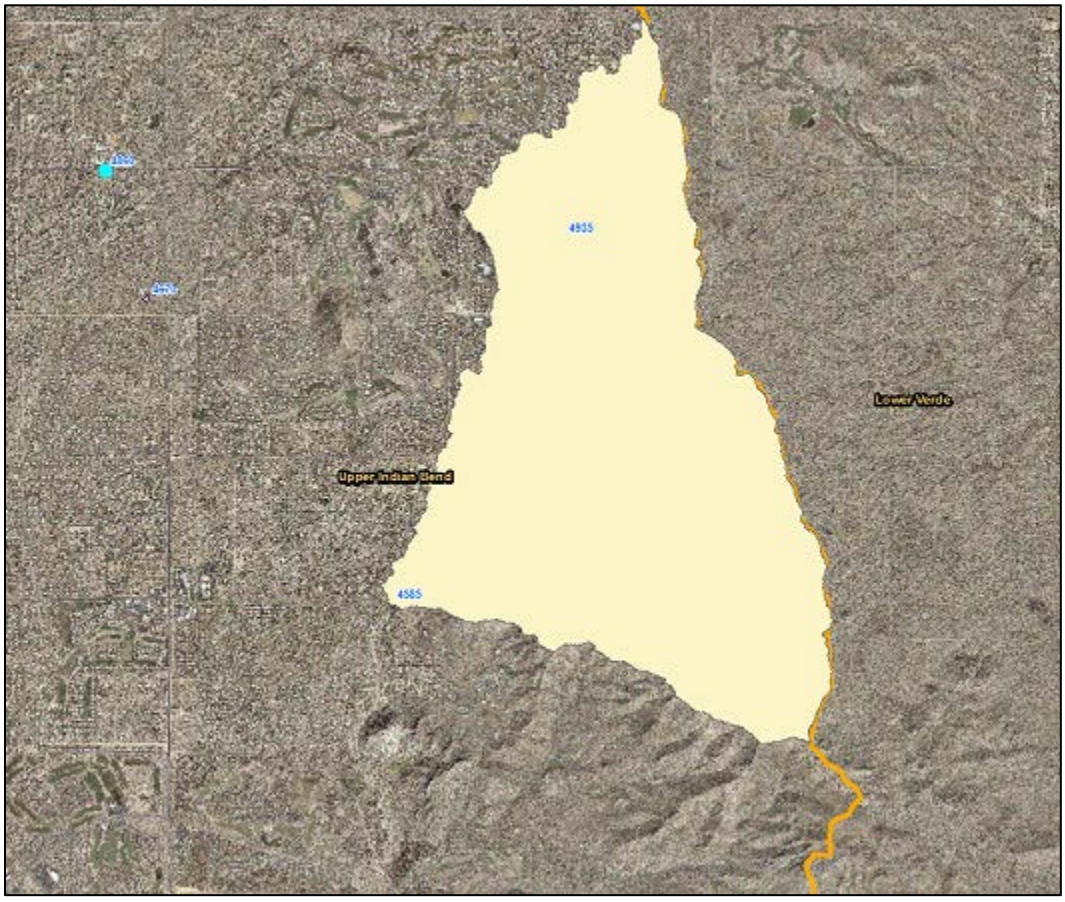
Reata Pass Wash – ID #60007

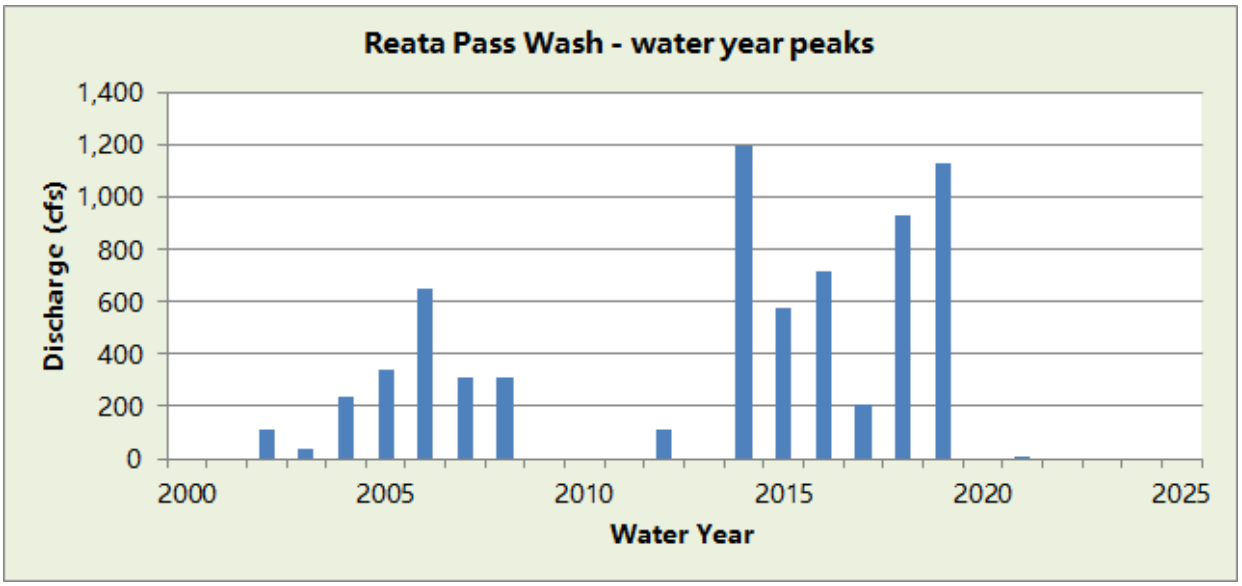


Site Data

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	20.38 Years | 7,444 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

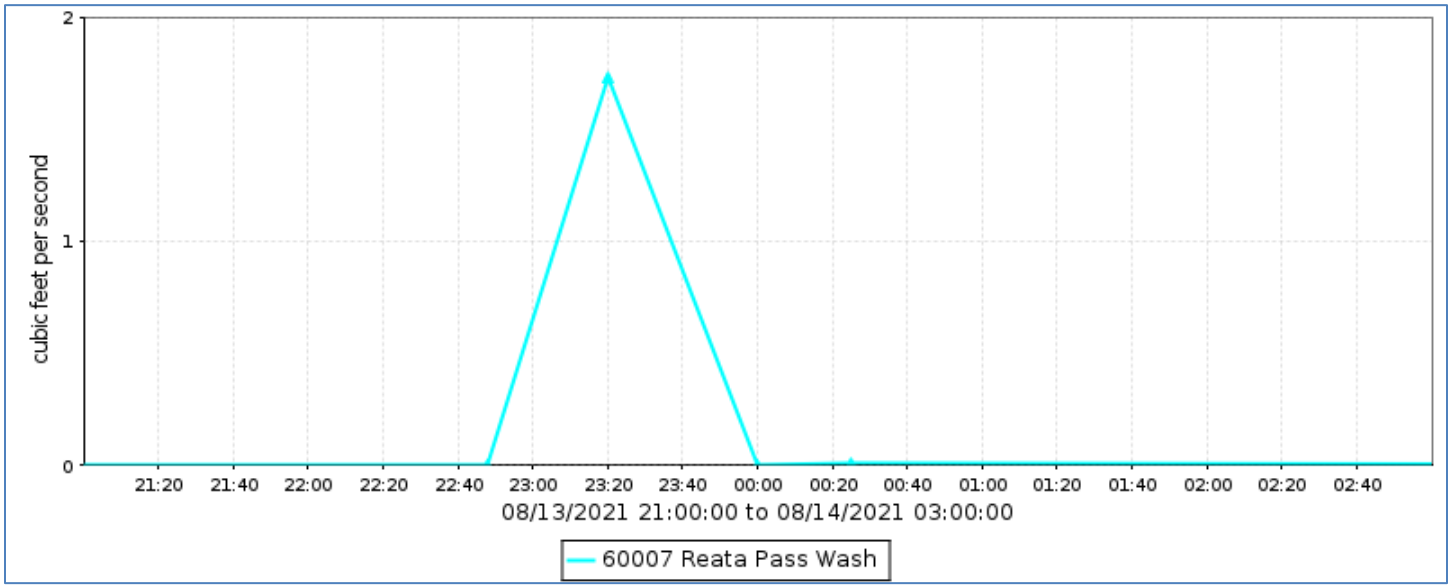




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/13/2021	0.82	2

Hydrograph of peak WY 2021 flow event, 08/13/2021



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**
86	**584**	**1,410**	**2,720**	**5,310**	**7,990**

Reata Pass Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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	2	2	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 2021 TOTAL 0 MEAN 0 MAX 2 MIN 0 AC_FT 0

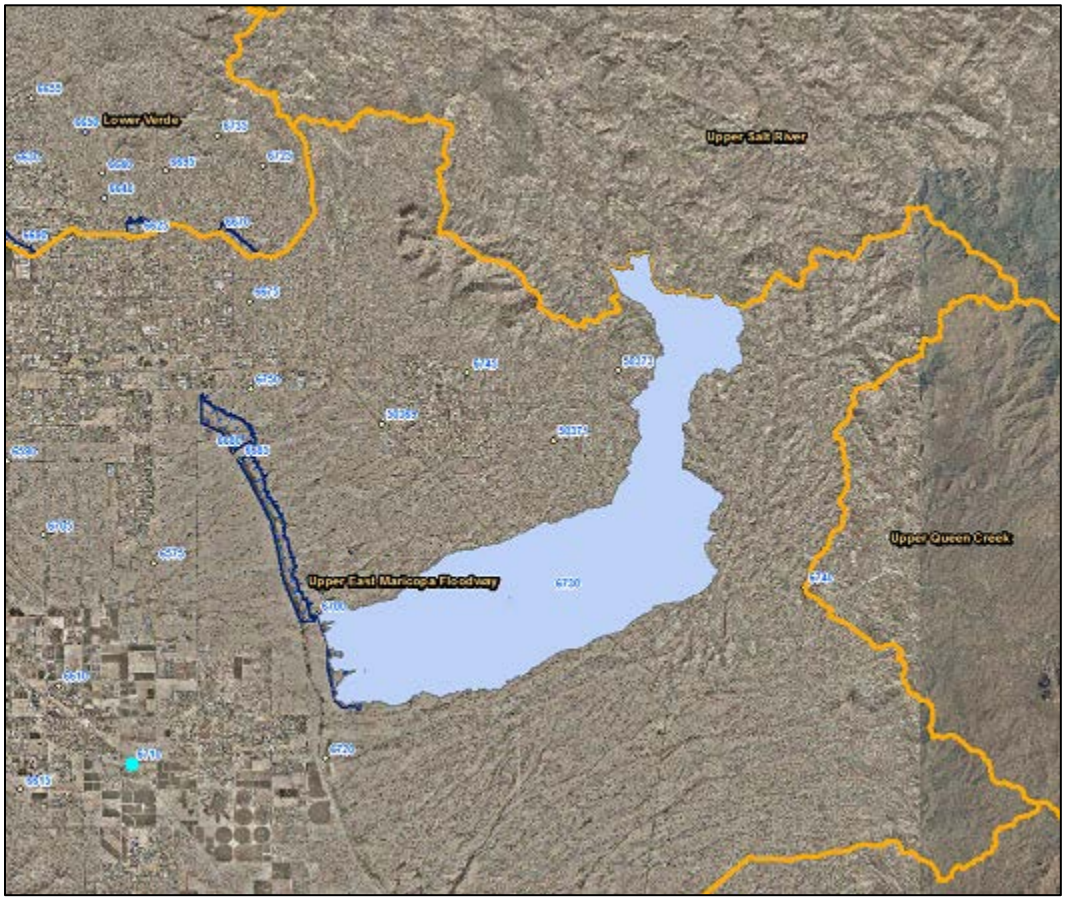
Rittenhouse FRS, ID #37207

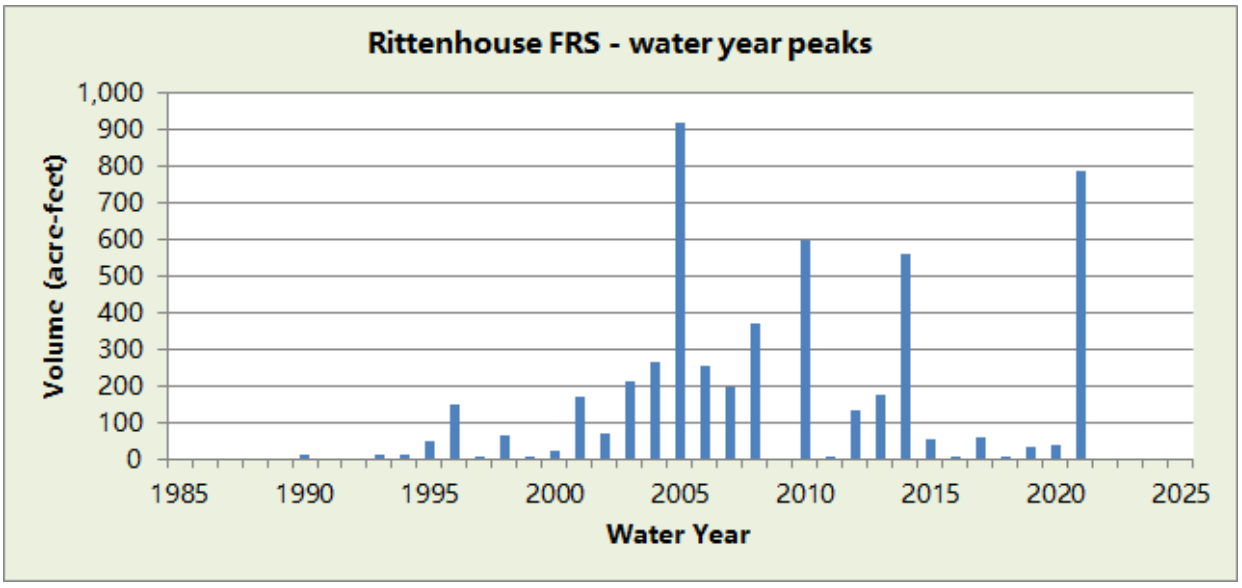


Site Data

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	33.01 Years | 12,057 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

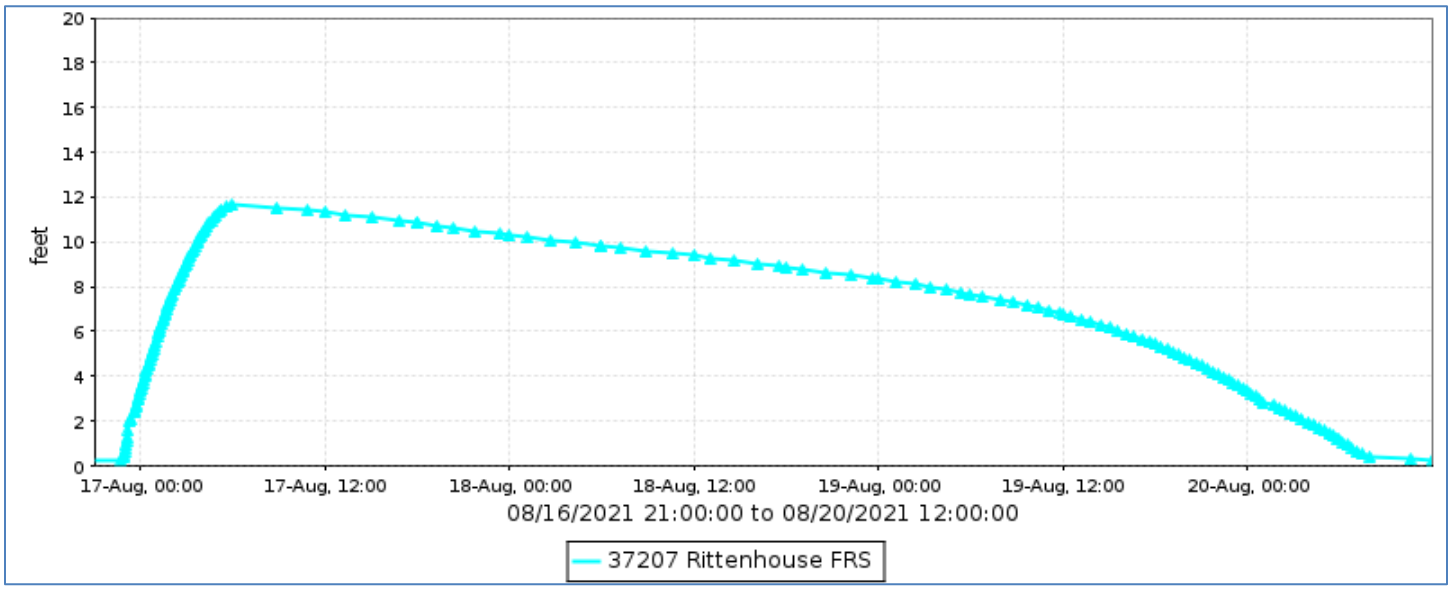




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/10/2021	1.86	4.4	0.1
07/23/2021	4.43	35.2	0.9
07/24/2021	7.22	171.7	4.4
07/25/2021	8.57	302.4	7.6
08/11/2021	1.69	3.8	0.1
08/14/2021	4.36	33.8	0.9
08/17/2021	11.66	789.0	19.9

Hydrograph of peak 2021 impoundment event, 08/17/2021



Rittenhouse FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											3	
12												
13												
14											21	
15												
16											1	
17											108	
18											102	
19											81	
20											7	
21												
22										1		
23										33		
24										43		
25										86		
26										59		
27										1		
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	228	323	0
MEAN	0	0	0	0	0	0	0	0	0	7	10	0
MAX	0	0	0	0	0	0	0	0	0	97	115	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	452	640	0

WTR YR 2021 TOTAL 551 MEAN 2 MAX 115 MIN 0 AC_FT 1093

Rittenhouse FRS, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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										1		
11											1	
12												
13												
14											9	
15												
16												
17											604	
18											408	
19											142	
20											2	
21												
22												
23										15		
24										66		
25										189		
26										69		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	11	38	0
MAX	0	0	0	0	0	0	0	0	0	302	789	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 4 MAX 789 MIN 0

Rittenhouse FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.6	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	0.5	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	1.8	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	0.3	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	10.5	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	9.4	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	6.5	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.6	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.6	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	7.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.7	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8	1.2	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	8.6	11.7	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 2021 MEAN 0.38 MAX 11.66 MIN 0.25

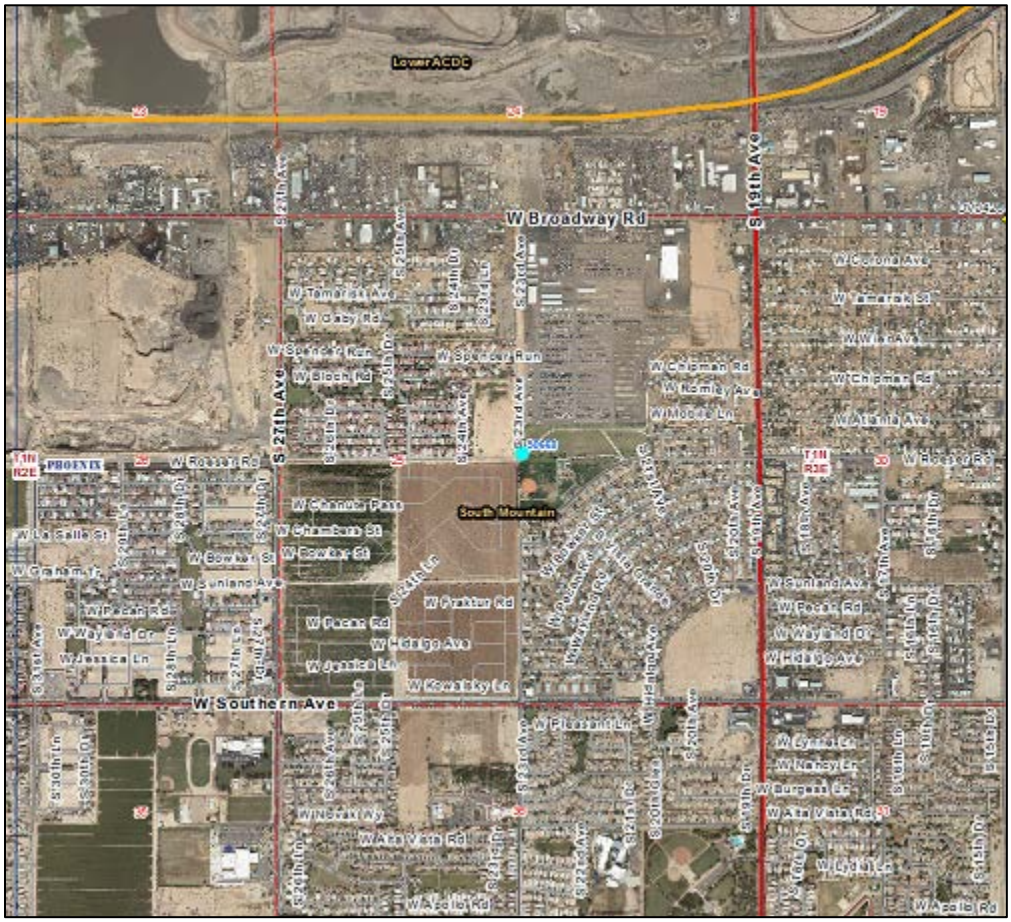
Roeser Road at 23rd Avenue Basin, ID #66807

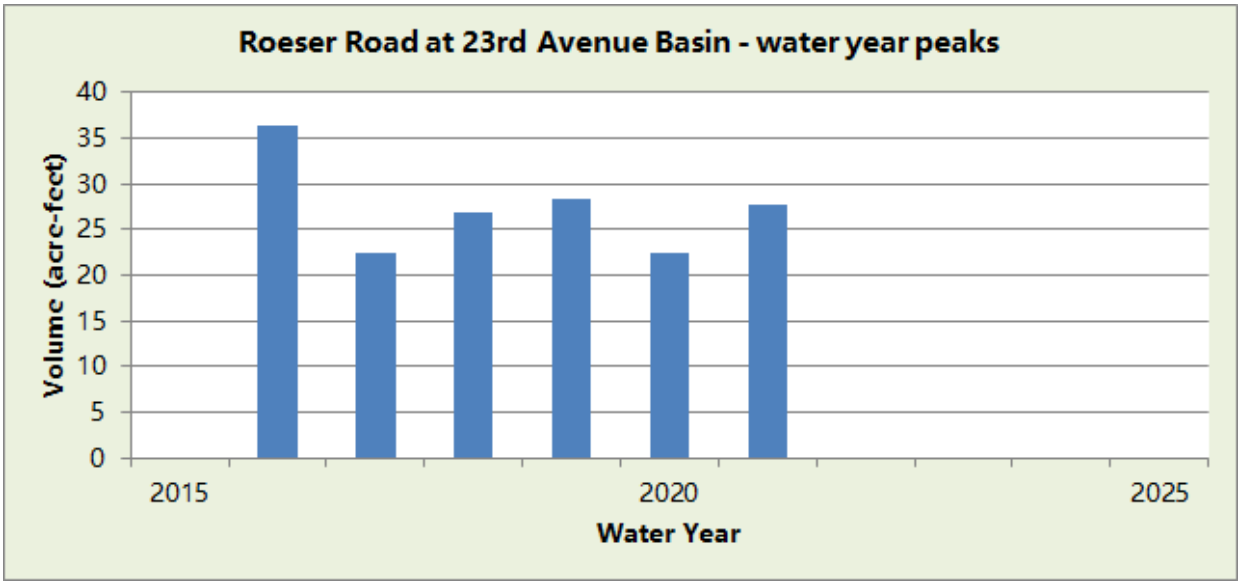


Site Data

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	6.00 Years | 2,192 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

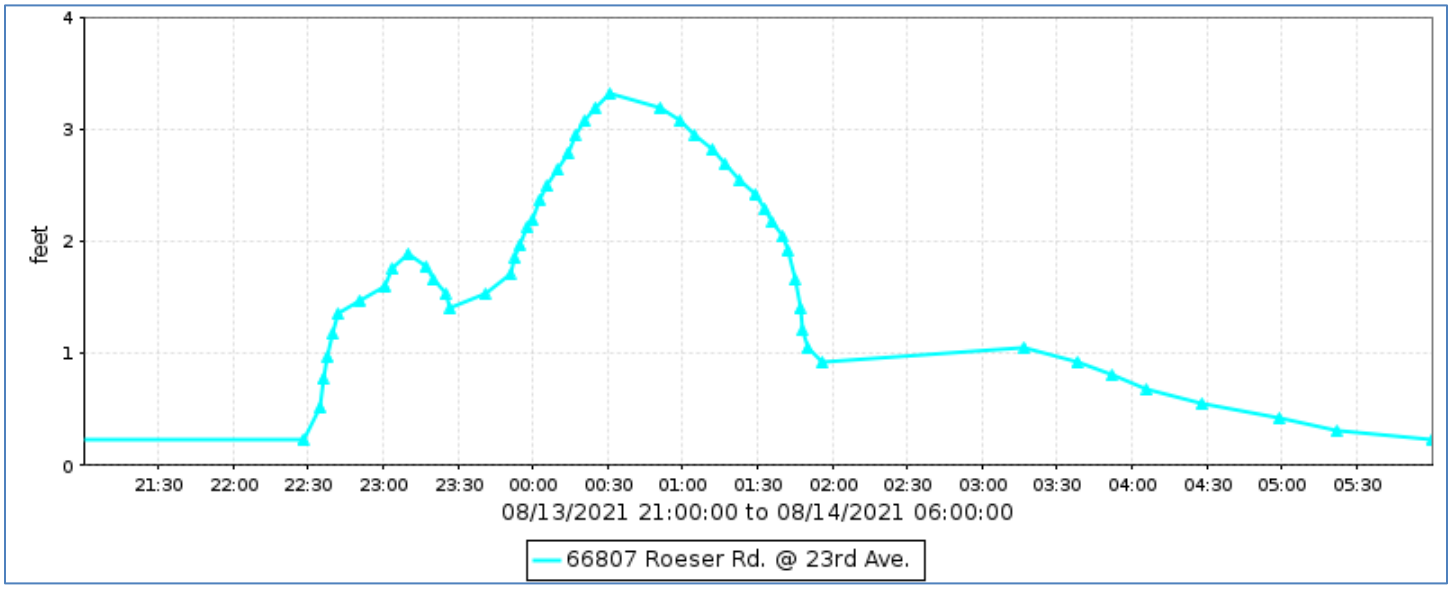




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2020	1.92	21.8	15.9
01/23/2021	1.12	12.7	9.4
01/24/2021	0.62	7.1	5.2
01/25/2021	1.02	11.6	8.6
01/29/2021	0.85	9.7	7.1
03/12/2021	0.50	5.7	4.2
07/03/2021	1.35	15.3	11.3
07/14/2021	2.39	27.1	19.9
07/23/2021	0.87	9.9	7.3
07/24/2021	1.05	12.0	8.8
07/25/2021	1.87	21.2	15.5
08/10/2021	0.67	7.6	5.6
08/14/2021	3.32	37.7	27.7
08/16/2021	1.52	17.2	12.7
08/17/2021	0.50	5.7	4.2
09/01/2021	1.72	19.5	14.3
09/18/2021	0.52	5.9	4.4

Hydrograph of peak 2021 impoundment event, 08/14/2021



Roeser Road at 23rd Avenue Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 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 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 38 MIN 0

Roeser Road at 23rd Avenue Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.3
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	0.3	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	0.4	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	0.3	0.2	0.2	0.2	0.2	0.3	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	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	0.3	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	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
24	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
25	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	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	0.3	---	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	1.9	1.1	0.3	0.7	0.2	0.2	0.2	2.4	3.3	1.7
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2021 MEAN 0.23 MAX 3.32 MIN 0.23

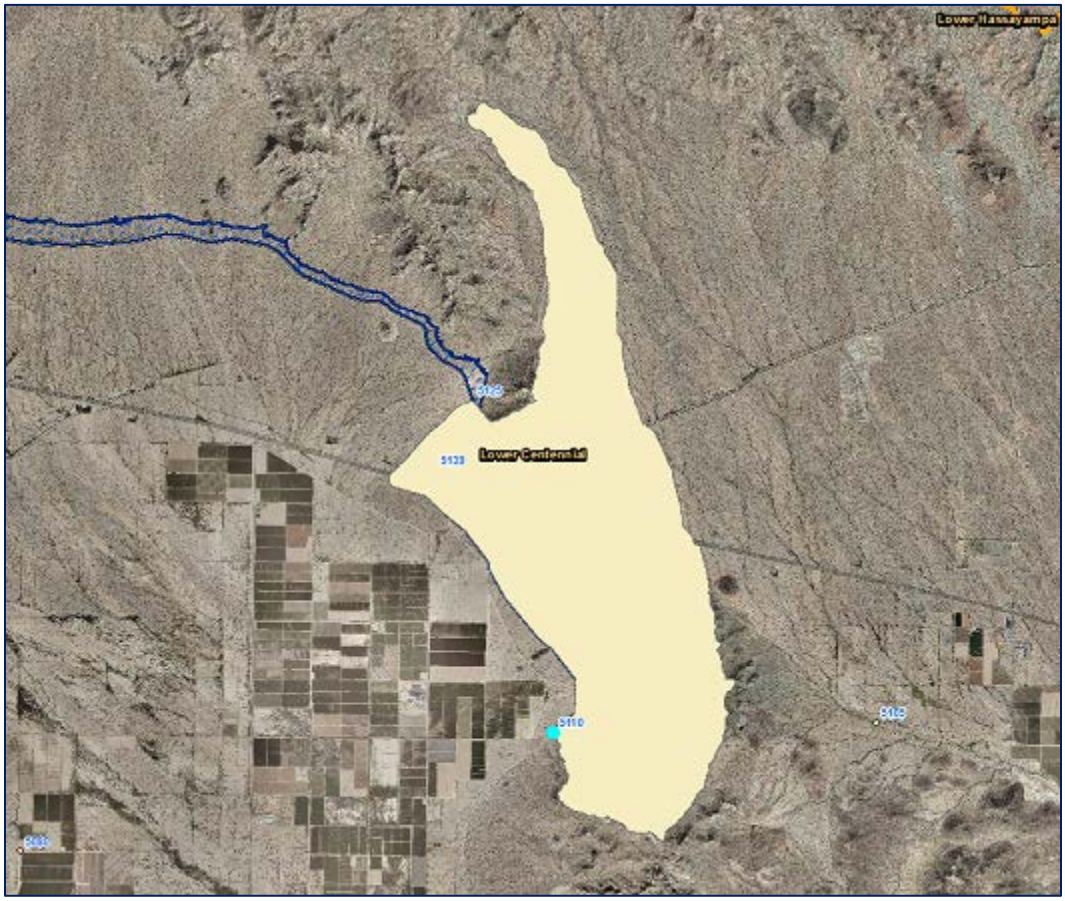
Saddleback FRS, ID #25207

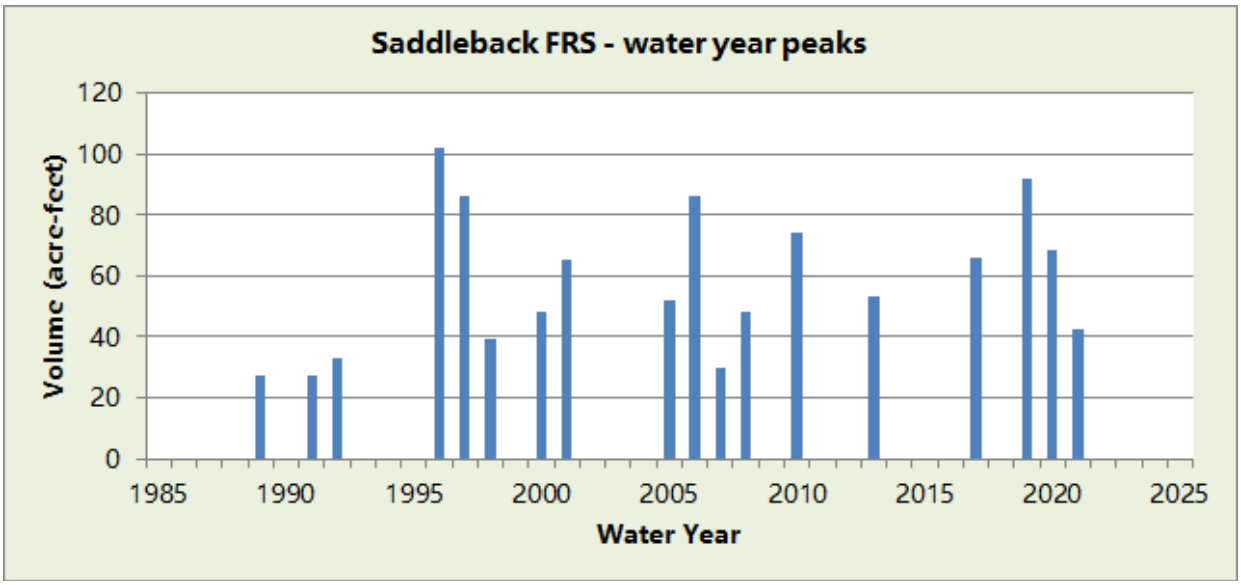


Site Data

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	32.79 Years | 11,977 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

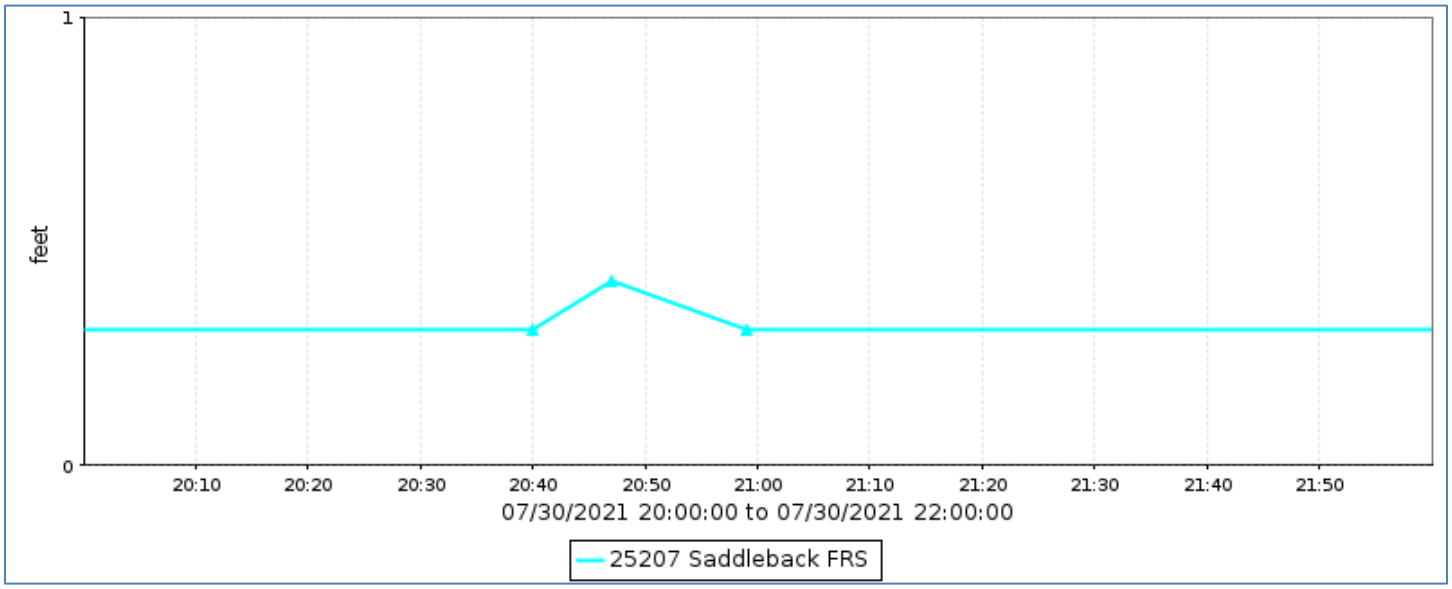




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Total Capacity
07/30/2021	0.41	42.7	0.1

Hydrograph of peak 2021 impoundment event, 07/30/2021



Saddleback FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Saddleback FRS, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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	43	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 43 MIN 0

Saddleback FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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
15	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
18	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
20	0.3	0.3	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	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	0.4	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 2021 MEAN 0.30 MAX 0.41 MIN 0.30

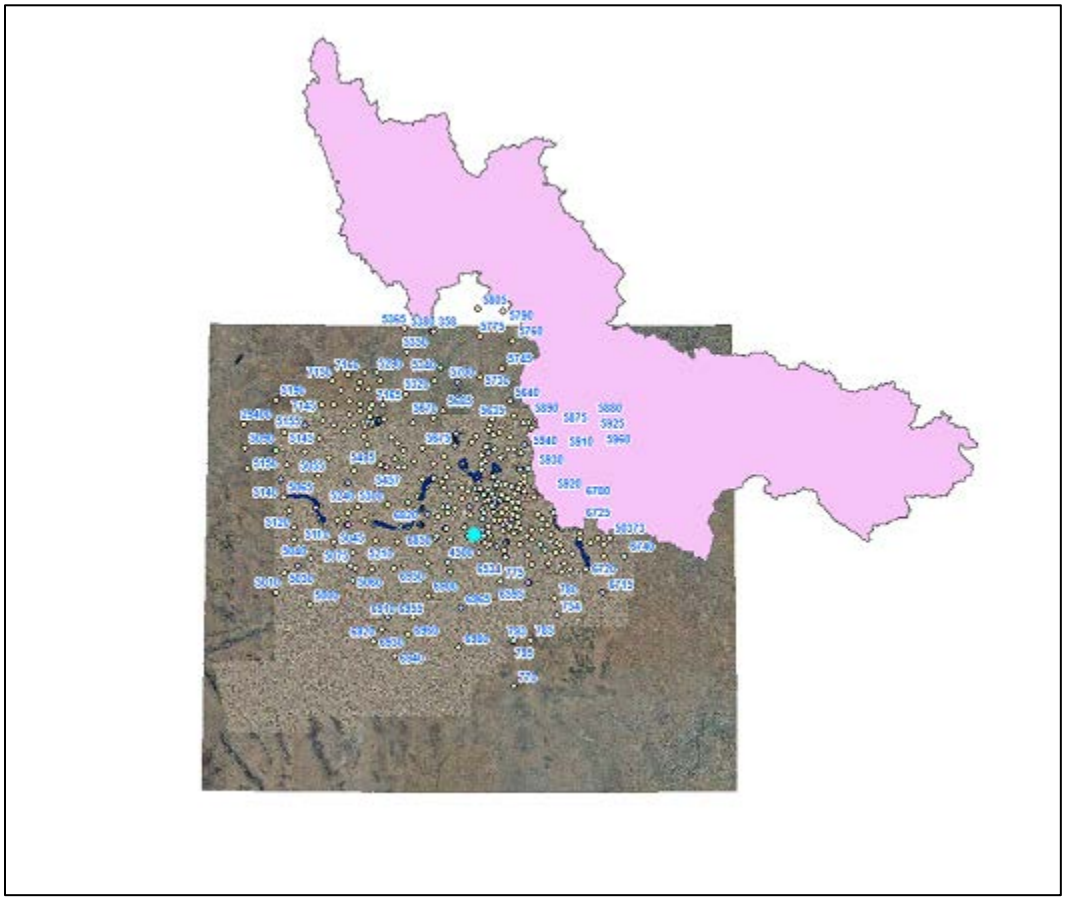
Salt River below Granite Reef Dam, ID #75307

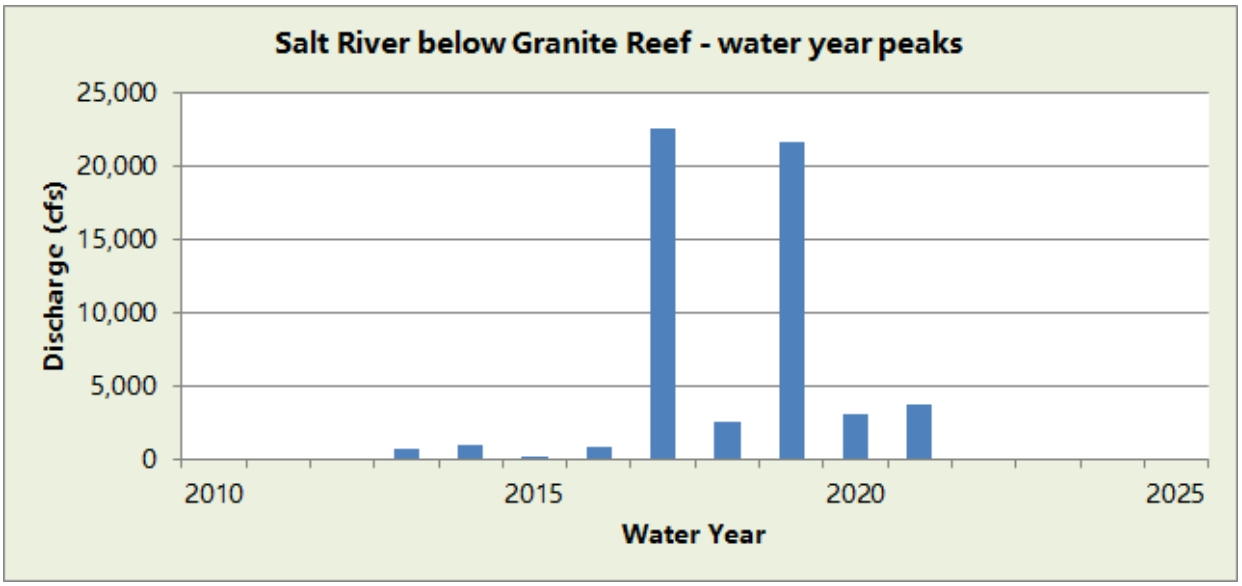


Site Data

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	9.50 Years | 3,469 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

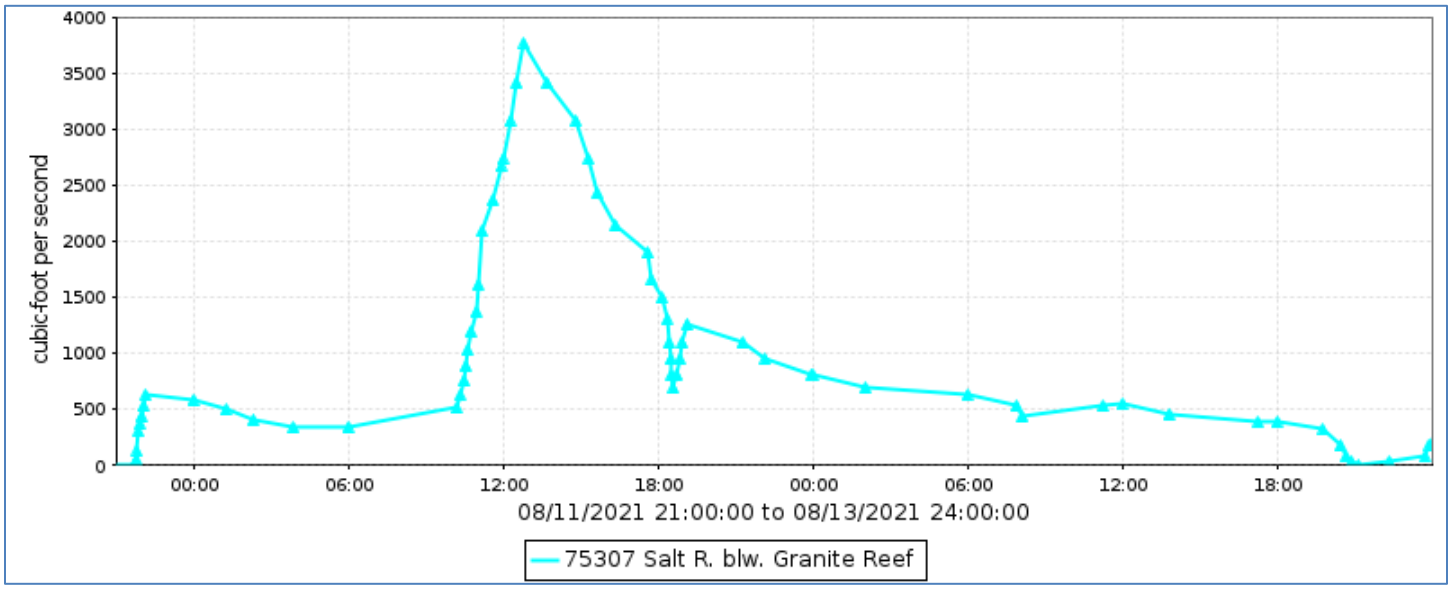




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/26/2021	7.32	543
08/11/2021	7.52	624
08/12/2021	10.84	3,763
08/12/2021	8.64	1,262
08/14/2021	9.38	1,895
08/18/2021	10.45	3,205

Hydrograph of peak WY 2021 flow event, 08/12/2021



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 2020 to September 2021

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											53	
12											1283	
13											472	
14											763	
15											145	
16												
17												
18											299	
19											816	
20												
21												
22												
23									---			
24												
25										121		
26										320		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	381	3831	0
MEAN	0	0	0	0	0	0	0	0	0	12	124	0
MAX	0	0	0	0	0	0	0	0	0	543	3763	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	755	7598	0

WTR YR 2021 TOTAL 4212 MEAN 12 MAX 3763 MIN 0 AC_FT 8354

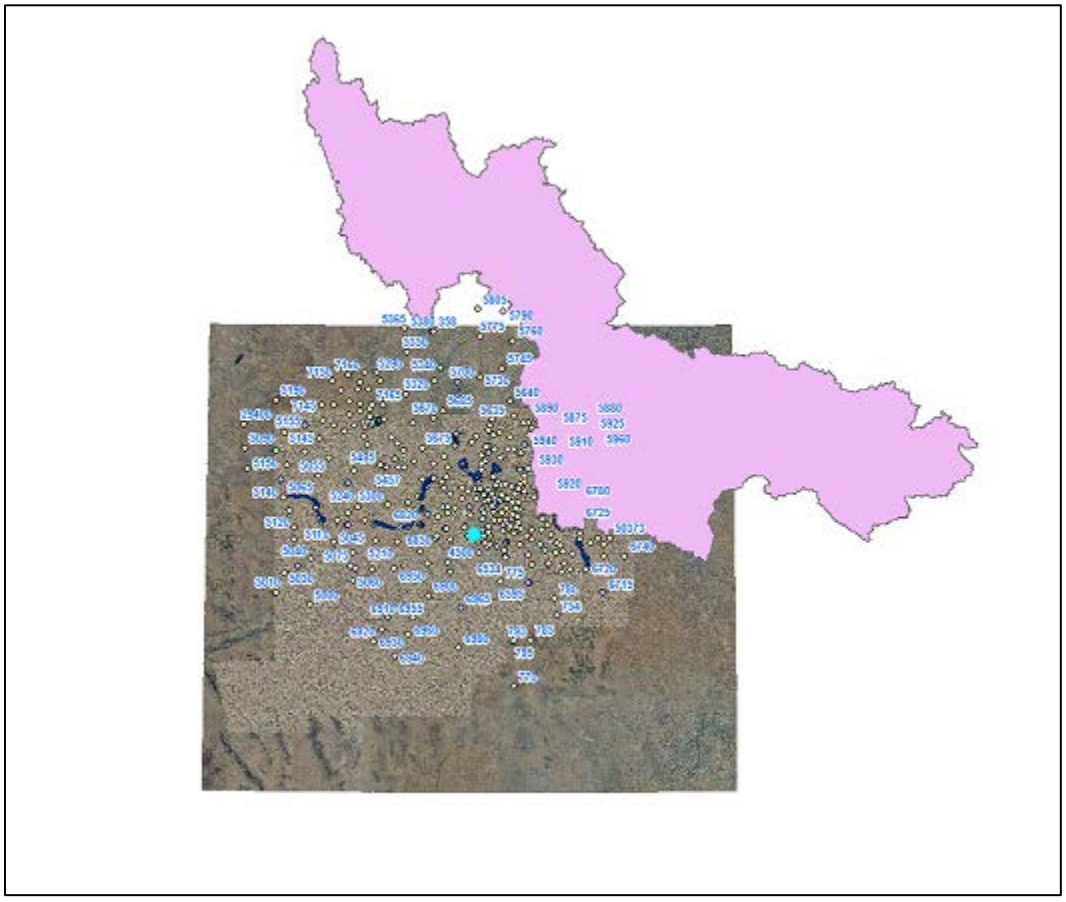
Salt River at Val Vista Drive, ID #39507

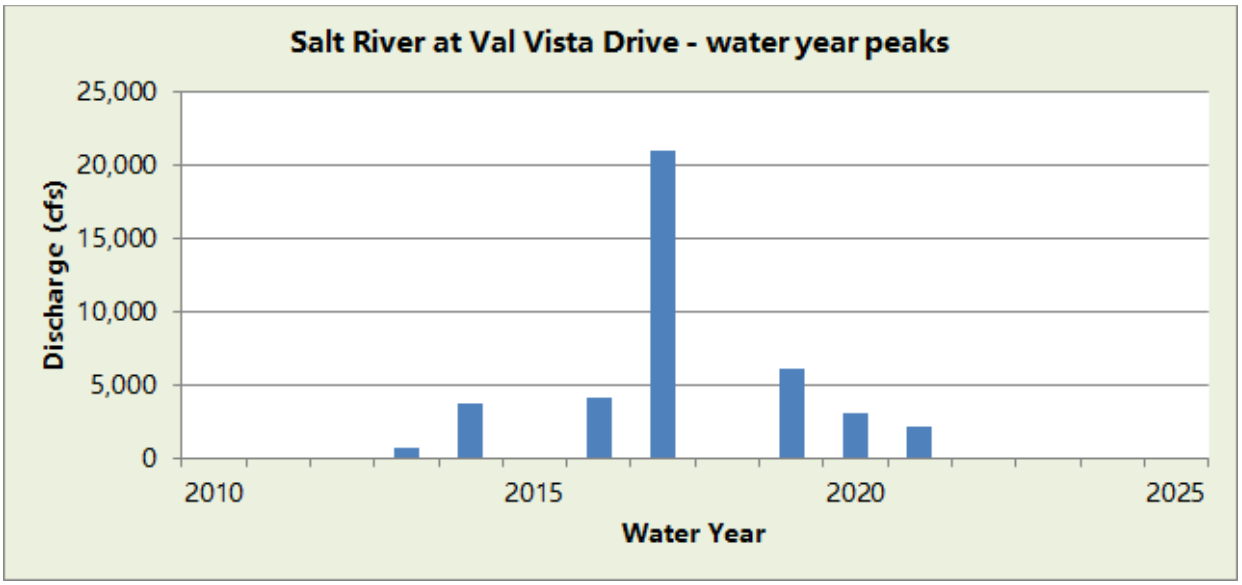


Site Data

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	10.47 Years | 3,823 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

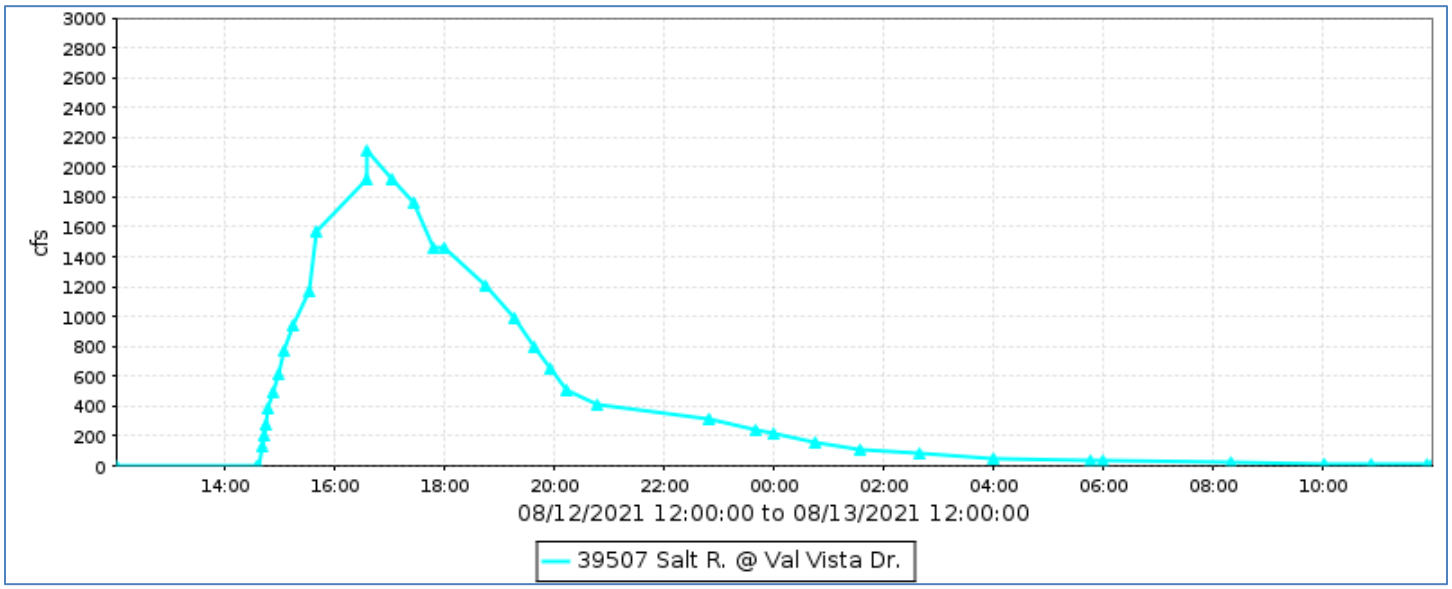




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/12/2021	4.26	2,109
08/14/2021	3.46	731
08/19/2021	3.69	1,077

Hydrograph of peak WY 2021 flow event, 08/12/2021



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 2020 to September 2021

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											367	
13											34	
14											123	
15												
16												
17												
18												
19											84	
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	608	0
MEAN	0	0	0	0	0	0	0	0	0	0	20	0
MAX	0	0	0	0	0	0	0	0	0	0	2109	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	1207	0

WTR YR 2021 TOTAL 608 MEAN 2 MAX 2109 MIN 0 AC_FT 1207

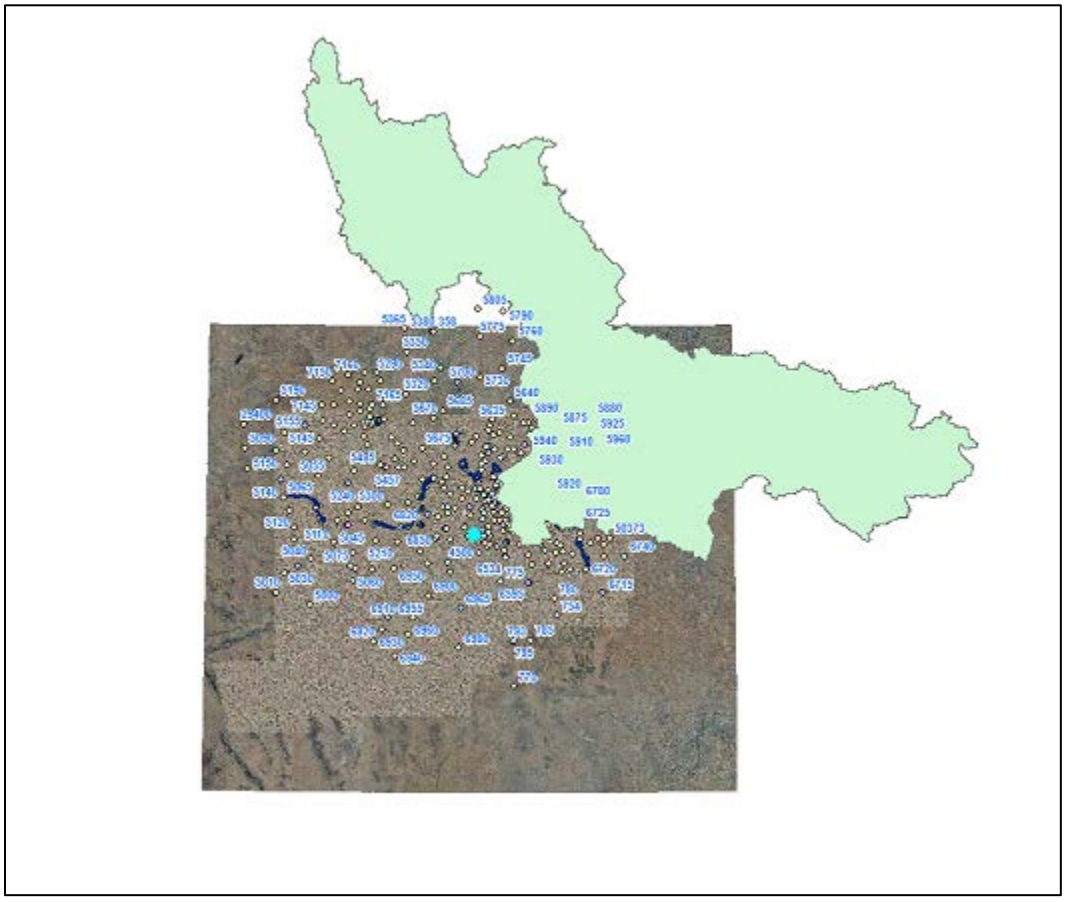
Salt River at Priest Drive, ID #67307

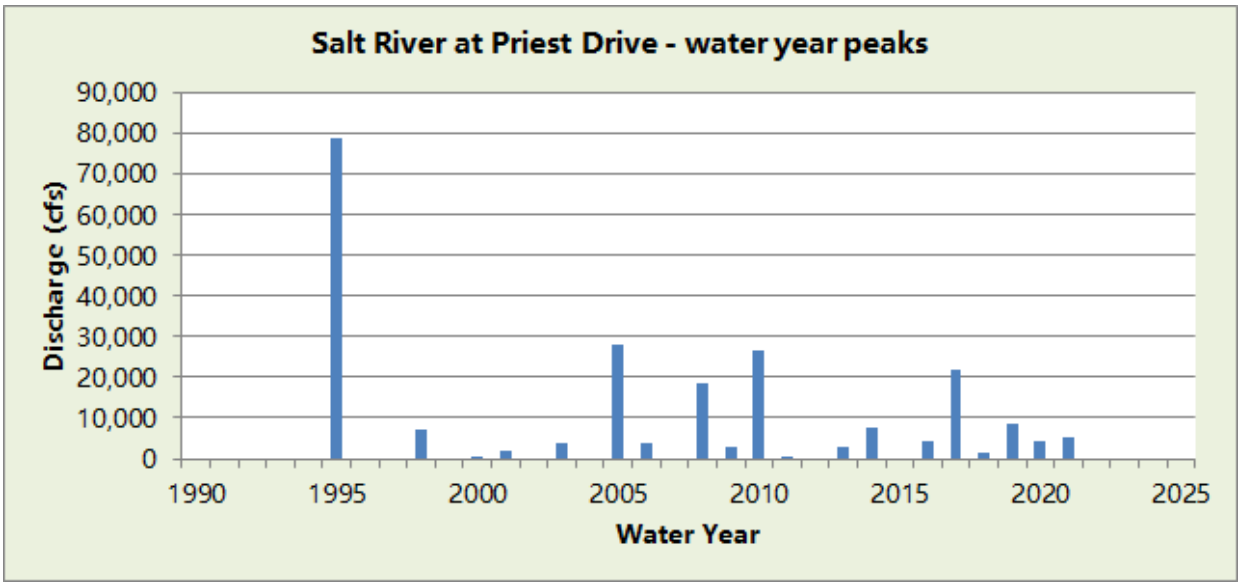


Site Data

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	27.82 Years | 10,160 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

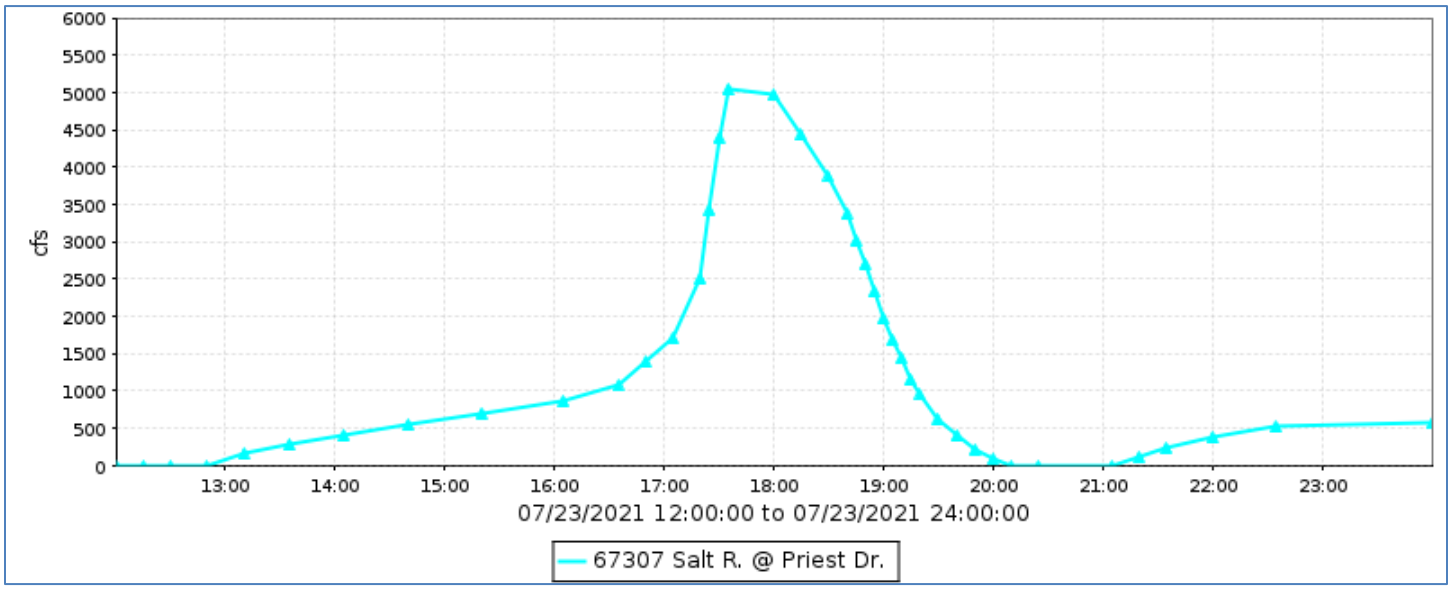




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	5.78	3,621
07/23/2021	6.18	5,057
07/24/2021	4.54	570
07/25/2021	4.12	85
08/19/2021	4.45	446

Hydrograph of peak WY 2021 flow event, 07/23/2021



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 2020 to September 2021

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											113	
20											91	
21												
22												
23										769		
24										250		
25										12		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	1031	203	0
MEAN	0	0	0	0	0	0	0	0	0	33	7	0
MAX	0	0	0	0	0	0	0	0	0	5057	446	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	2045	403	0

WTR YR 2021 TOTAL 1234 MEAN 3 MAX 5057 MIN 0 AC_FT 2448

See *USGS Water-Data Report* for official data for this site.

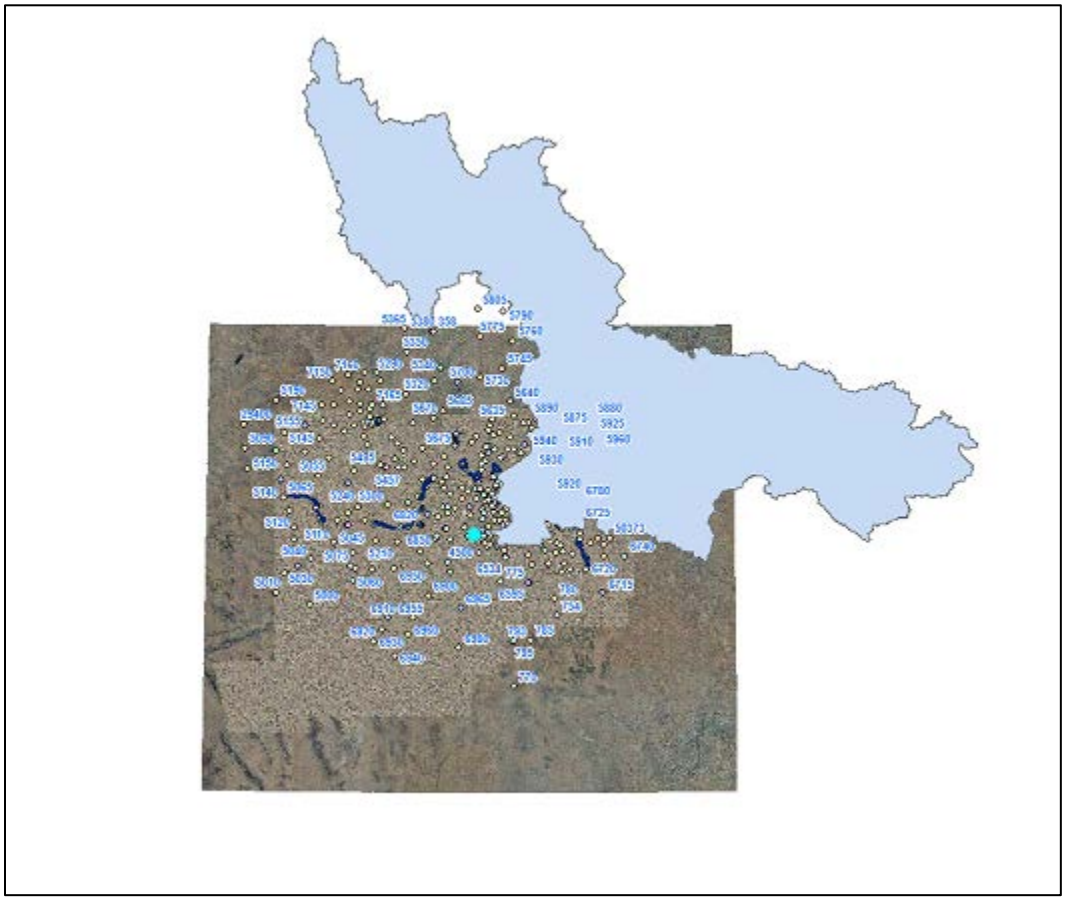
Salt River at 7th Avenue, ID #68007

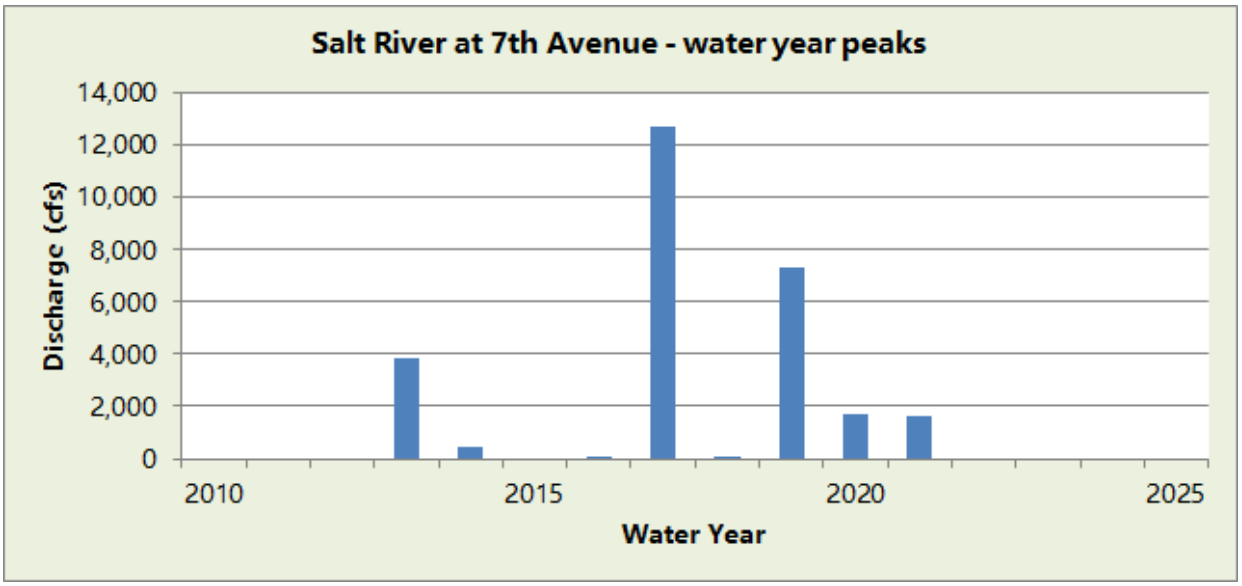


Site Data

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	9.68 Years | 3,537 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

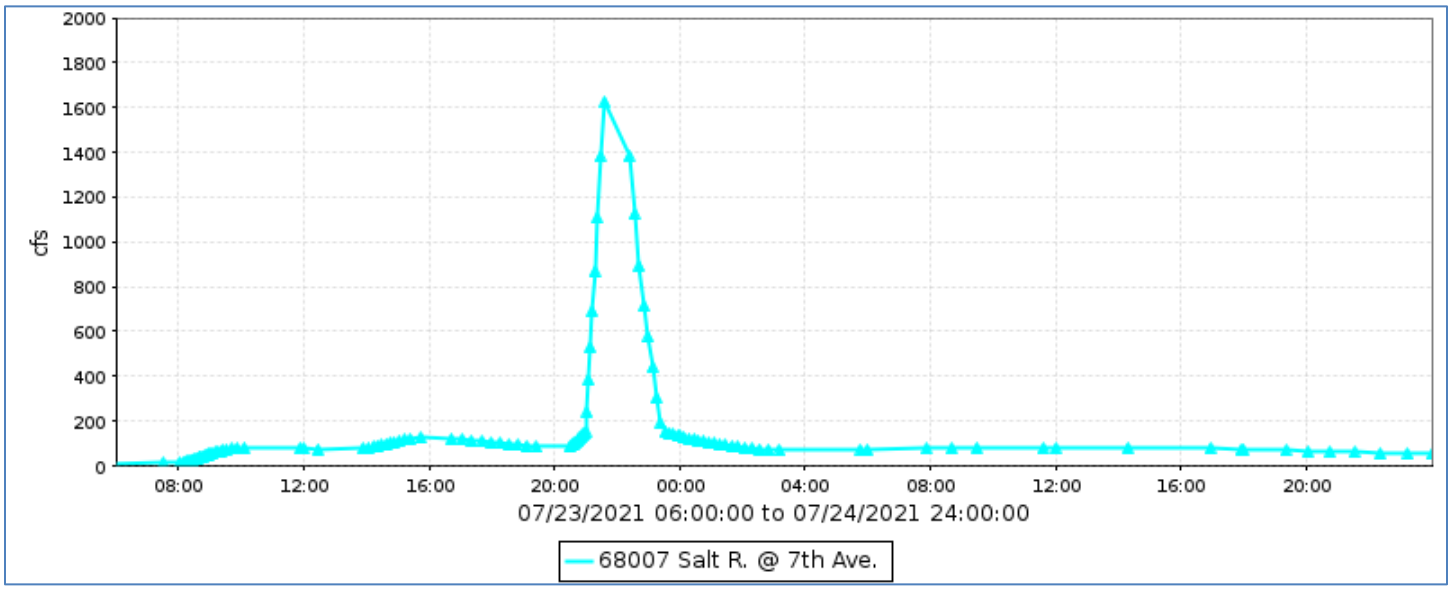




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	5.11	126
07/23/2021	6.57	1,626
08/14/2021	6.14	696

Hydrograph of peak WY 2021 flow event, 07/23/2021



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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5	---	2	2	2	7	3	12	15	18	6	8
2	5	2	2	2	2	5	2	12	16	16	3	27
3	4	2	2	2	2	5	2	13	16	19	3	9
4	3	2	3	2	2	5	2	13	15	25	3	6
5	3	2	7	2	2	4	2	13	16	17	2	3
6	5	2	9	2	2	3	2	13	17	12	2	2
7	6	2	9	2	2	3	2	14	15	10	2	2
8	5	2	5	2	2	3	2	14	15	12	3	2
9	3	2	3	2	2	2	3	15	15	14	3	2
10	4	2	20	2	2	2	5	17	13	9	6	4
11	4	2	9	2	2	2	9	14	12	9	6	3
12	3	2	5	2	3	6	9	13	14	12	11	5
13	2	2	2	2	4	10	10	12	15	12	14	4
14	2	2	3	2	6	6	8	11	16	25	85	3
15	2	2	2	4	8	5	5	12	14	13	14	3
16	5	2	2	5	7	4	4	15	10	5	18	2
17	5	2	2	5	7	3	7	14	15	3	35	2
18	5	2	3	5	5	2	11	13	17	5	28	5
19	5	2	4	3	3	3	11	13	17	4	24	4
20	4	2	3	2	3	3	9	14	18	6	48	3
21	3	2	2	2	6	3	10	15	17	5	24	3
22	---	2	2	2	10	5	11	14	17	3	11	2
23	5	2	2	2	10	6	12	15	15	162	4	2
24	6	2	2	8	10	8	13	15	16	76	2	3
25	3	2	2	16	5	8	14	15	16	46	2	4
26	3	2	2	12	4	8	14	14	13	33	3	6
27	2	2	2	4	5	9	12	14	15	12	3	6
28	2	2	2	3	7	9	12	15	14	4	3	4
29	---	2	2	4	---	8	11	13	13	4	4	2
30	---	2	2	7	---	7	11	13	15	3	4	2
31	2	---	2	3	---	5	---	15	---	17	4	---
TOTAL	115	57	123	121	131	161	228	425	452	612	382	135
MEAN	4	2	4	4	5	5	8	14	15	20	12	4
MAX	6	2	43	34	12	14	15	17	20	1626	696	36
MIN	2	2	2	2	2	2	2	11	9	3	2	2
AC_FT	228	114	245	239	259	320	452	843	897	1214	758	267

WTR YR 2021 TOTAL 2943 MEAN 8 MAX 1626 MIN 2 AC_FT 5836

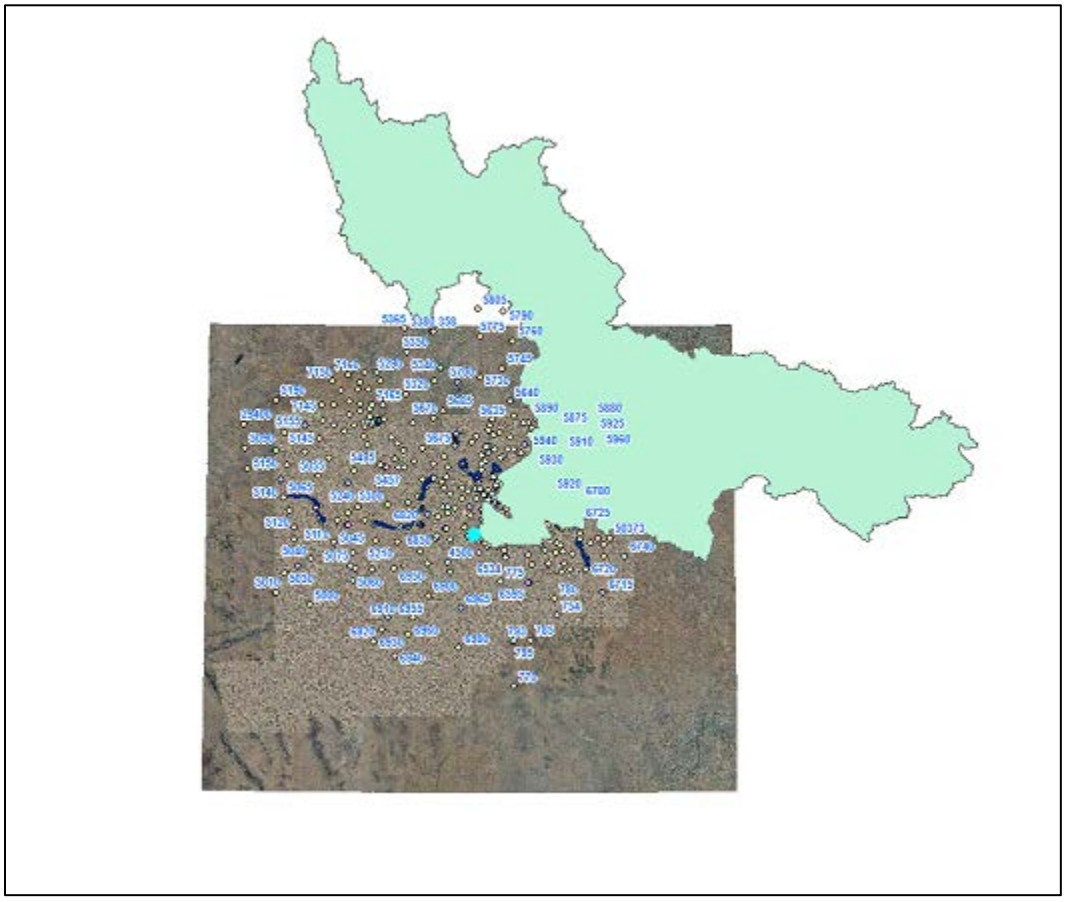
Salt River at 51st Avenue, ID #5307

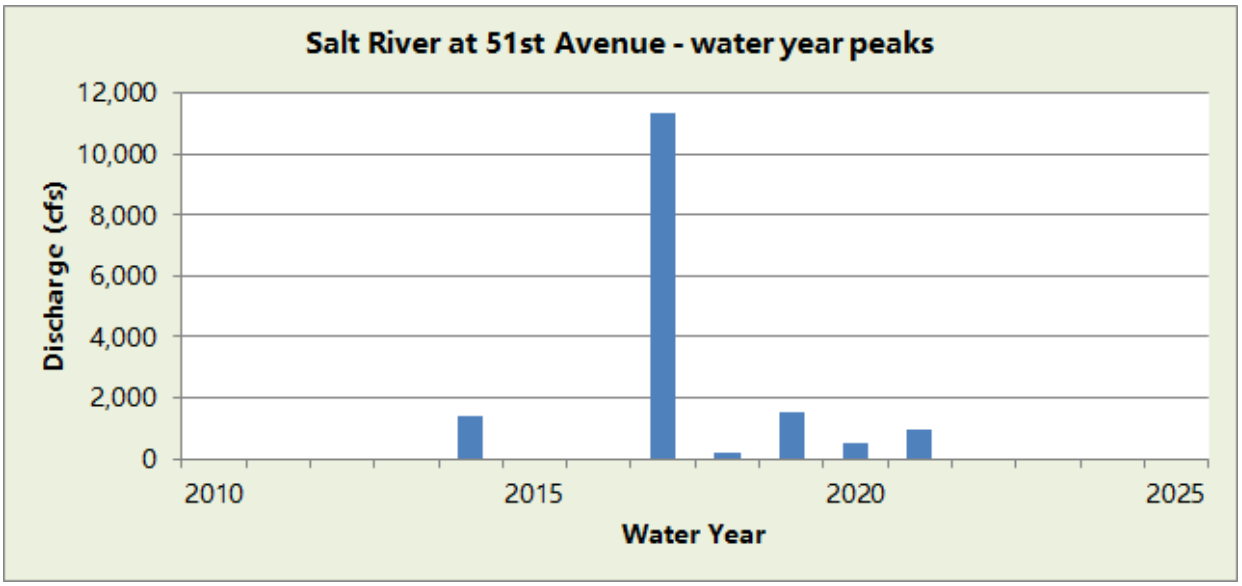


Site Data

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	10.43 Years | 3,810 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

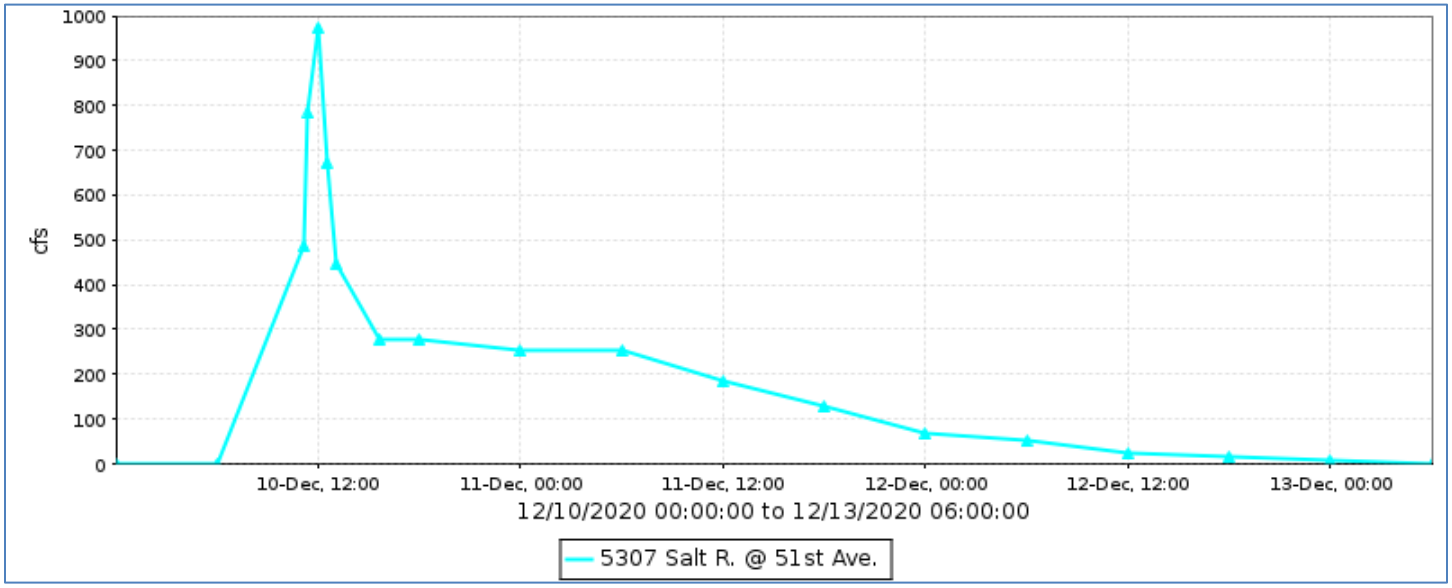




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
12/10/2020	5.10	974
07/25/2021	2.80	113
08/14/2021	3.99	404

Hydrograph of peak WY 2021 flow event, 12/10/2020



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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										25	24	27
2						6			6	26	24	29
3						11			23	26	23	25
4						11			23	28	23	23
5						11			23	22	23	---
6						14			23	19	24	---
7						19			23	15	24	22
8						16			23	24	24	22
9						20			23	19	25	25
10			206			19			22	15	24	25
11			204			25			22	16	21	25
12			39			24			21	16	19	21
13			2			31			22	16	18	20
14						34			21	22	100	23
15						26			21	17	22	25
16						11			21	19	24	25
17						11			22	20	---	27
18						12			21	20	---	28
19						14			21	---	18	27
20						15			22	---	23	27
21						20			22	---	28	26
22						16			21	18	28	26
23						15			22	25	28	27
24		---				22			19	25	24	24
25						19			10	37	24	15
26						23			14	23	25	14
27						26			24	23	25	14
28						24			24	17	18	16
29					---	43			25	17	17	24
30					---				25	17	19	22
31		---			---		---		---	28	26	---
TOTAL	0	0	450	0	0	538	0	0	611	657	795	689
MEAN	0	0	15	0	0	17	0	0	20	21	26	23
MAX	0	0	974	0	0	67	0	0	25	113	404	40
MIN	0	0	0	0	0	0	0	0	0	13	17	0
AC_FT	0	0	893	0	0	1068	0	0	1212	1304	1578	1367

WTR YR 2021 TOTAL 3742 MEAN 10 MAX 974 MIN 0 AC_FT 7422

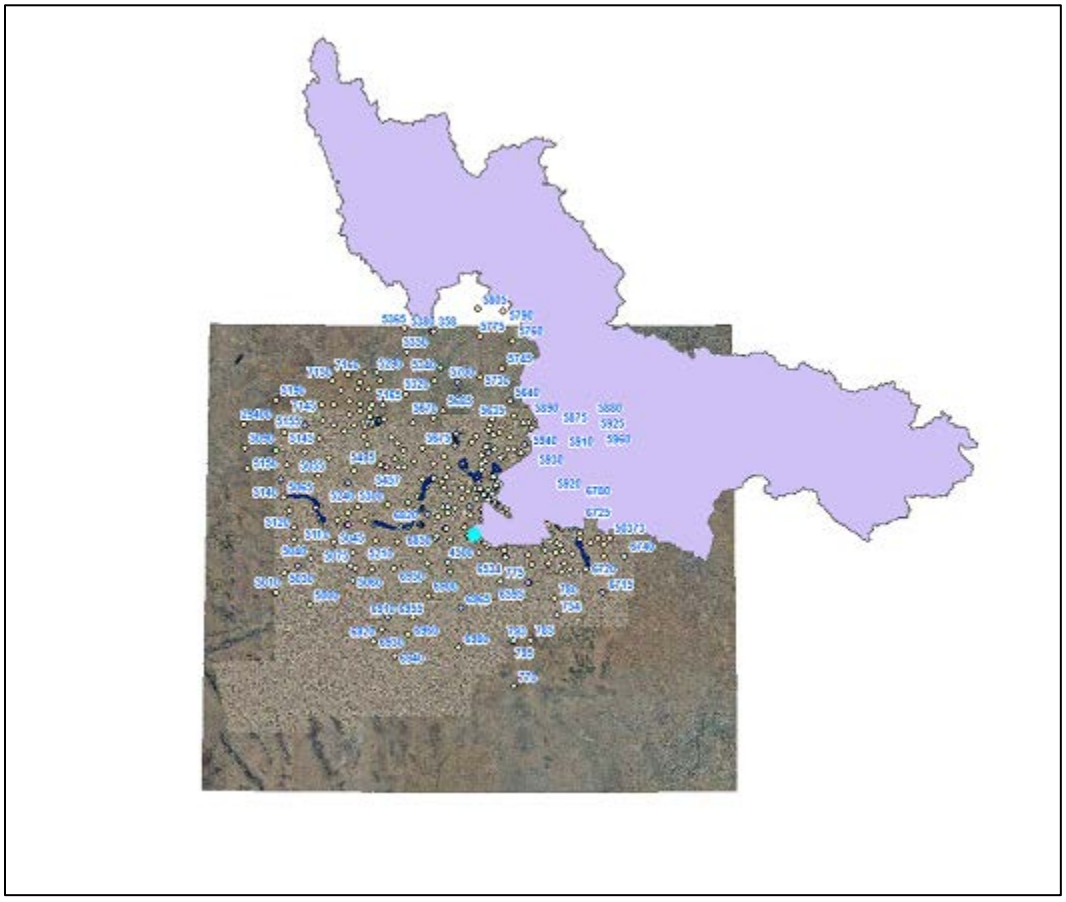
Salt River at 67th Avenue, ID #5807

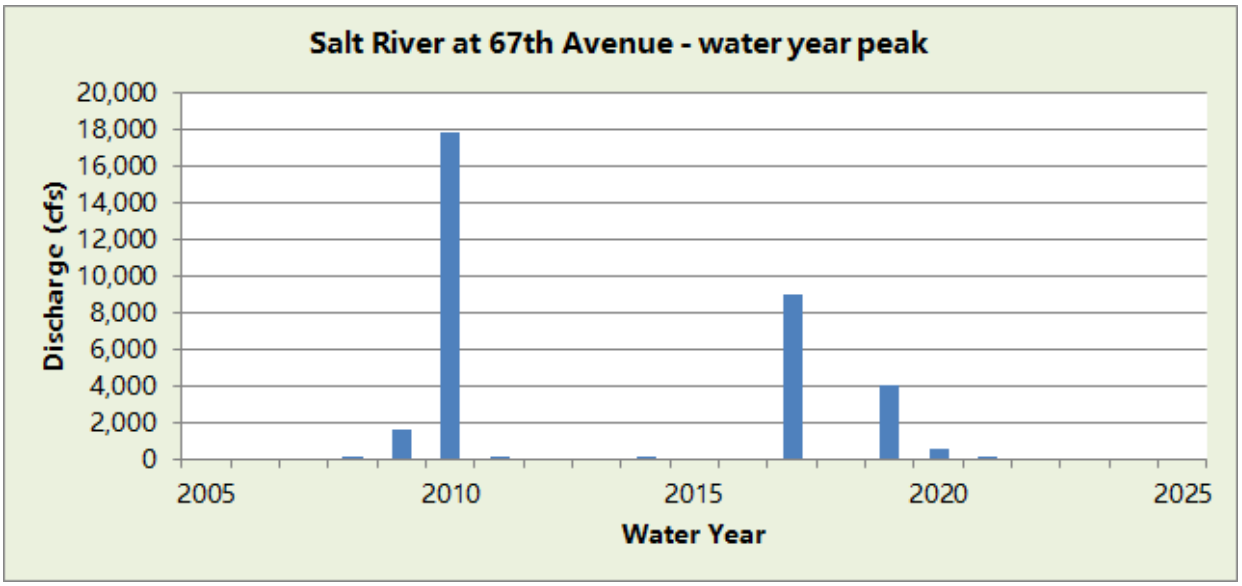


Site Data

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	13.22 Years | 4,827 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

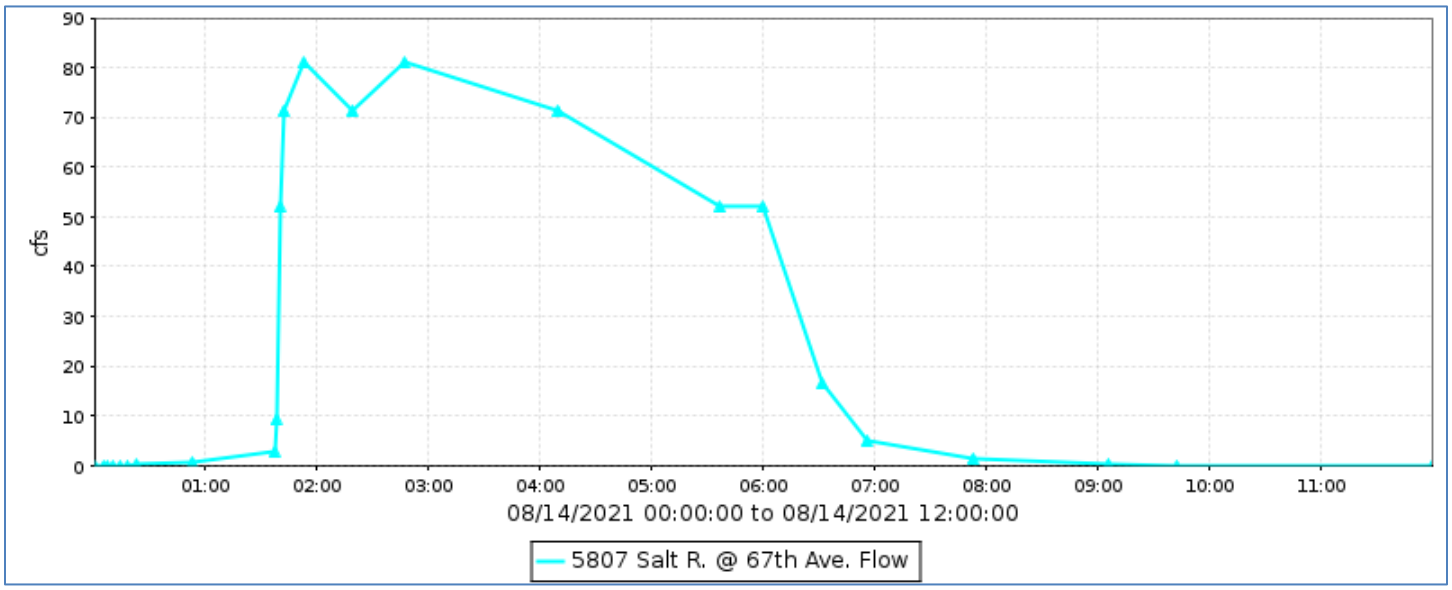




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/14/2021	1.68	81

Hydrograph of peak WY 2021 flow event, 08/14/2021



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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										25	24	27
2						6			6	26	24	29
3						11			23	26	23	25
4						11			23	28	23	23
5						11			23	22	23	---
6						14			23	19	24	---
7						19			23	15	24	22
8						16			23	24	24	22
9						20			23	19	25	25
10			206			19			22	15	24	25
11			204			25			22	16	21	25
12			39			24			21	16	19	21
13			2			31			22	16	18	20
14						34			21	22	100	23
15						26			21	17	22	25
16						11			21	19	24	25
17						11			22	20	---	27
18						12			21	20	---	28
19						14			21	---	18	27
20						15			22	---	23	27
21						20			22	---	28	26
22						16			21	18	28	26
23						15			22	25	28	27
24		---				22			19	25	24	24
25						19			10	37	24	15
26						23			14	23	25	14
27						26			24	23	25	14
28						24			24	17	18	16
29					---	43			25	17	17	24
30					---				25	17	19	22
31		---			---		---		---	28	26	---
TOTAL	0	0	450	0	0	538	0	0	611	657	795	689
MEAN	0	0	15	0	0	17	0	0	20	21	26	23
MAX	0	0	974	0	0	67	0	0	25	113	404	40
MIN	0	0	0	0	0	0	0	0	0	13	17	0
AC_FT	0	0	893	0	0	1068	0	0	1212	1304	1578	1367

WTR YR 2021 TOTAL 3742 MEAN 10 MAX 974 MIN 0 AC_FT 7422

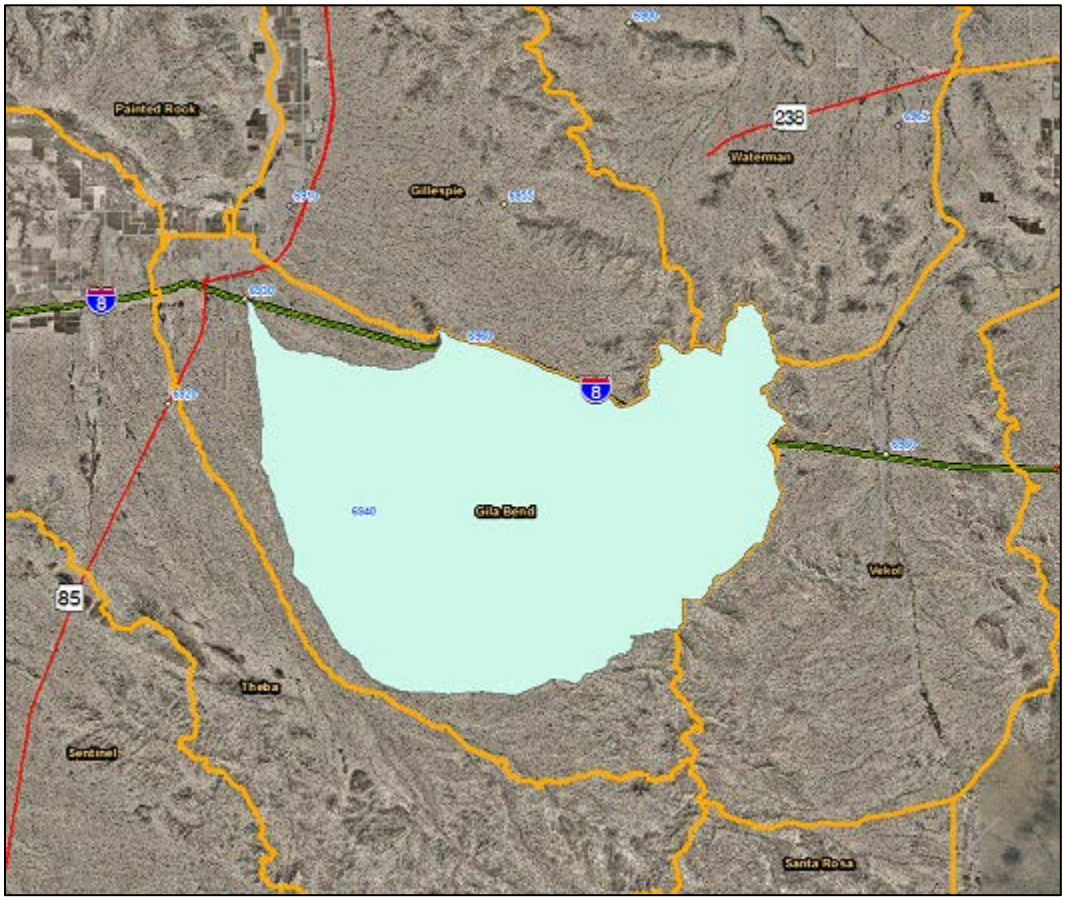
Sand Tank Wash at I-8, ID #40007

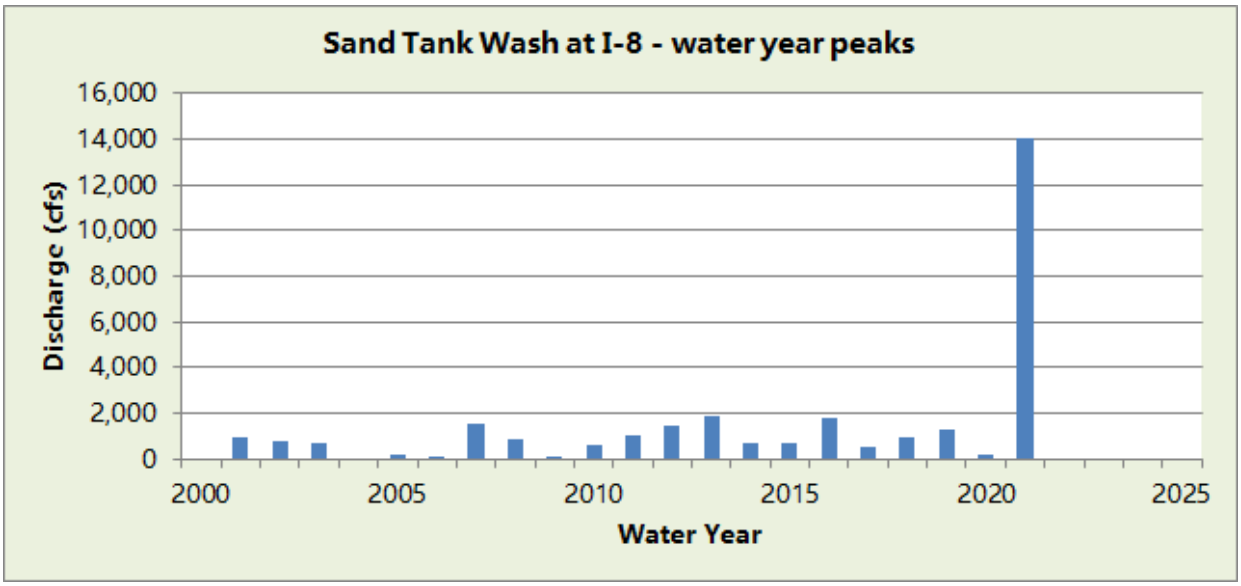


Site Data

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	20.34 Years | 7,428 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	≈14,000 cfs | 7.69 feet | 08/14/2021

Watershed Map

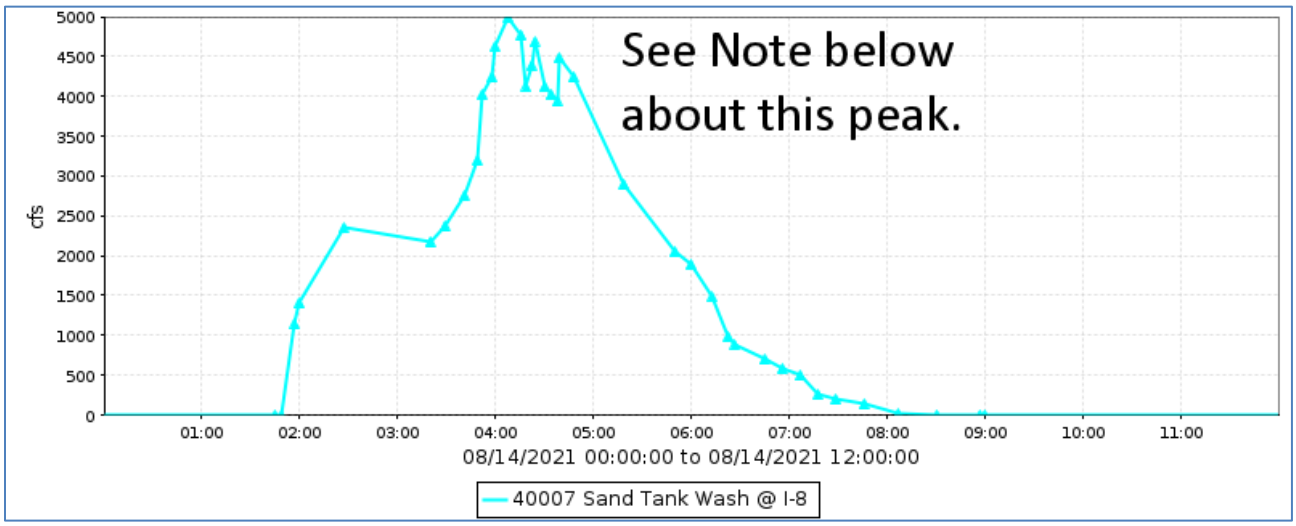




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/14/2021	7.69	14,000

Hydrograph of peak WY 2021 flow event, 08/14/2021



NOTE: The hydrograph displays what the transducer was able to read before being buried by a significant amound of sand. A follow up post-event estimation put the approximate discharge at 14,000 cfs.

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**
670	**1,740**	**2,930**	**4,590**	**7,710**	**11,000**

NOTE: These results are based on very limited data.

NOTE(2): The table above is based on an HEC-WRC analysis of avaible data, which is limited to 22 years. The FEMA estimated 100-year discharge is 23,000 cfs. Use of a plot comparison of the data indicated that the August 14, 2021 event at 14,000 cfs had an approximate return period of 60 years.

Sand Tank Wash at I-8, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											574	
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	574	0
MEAN	0	0	0	0	0	0	0	0	0	0	19	0
MAX	0	0	0	0	0	0	0	0	0	0	---	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	1138	0

WTR YR 2021 TOTAL 574 MEAN 2 MAX --- MIN 0 AC_FT 1138

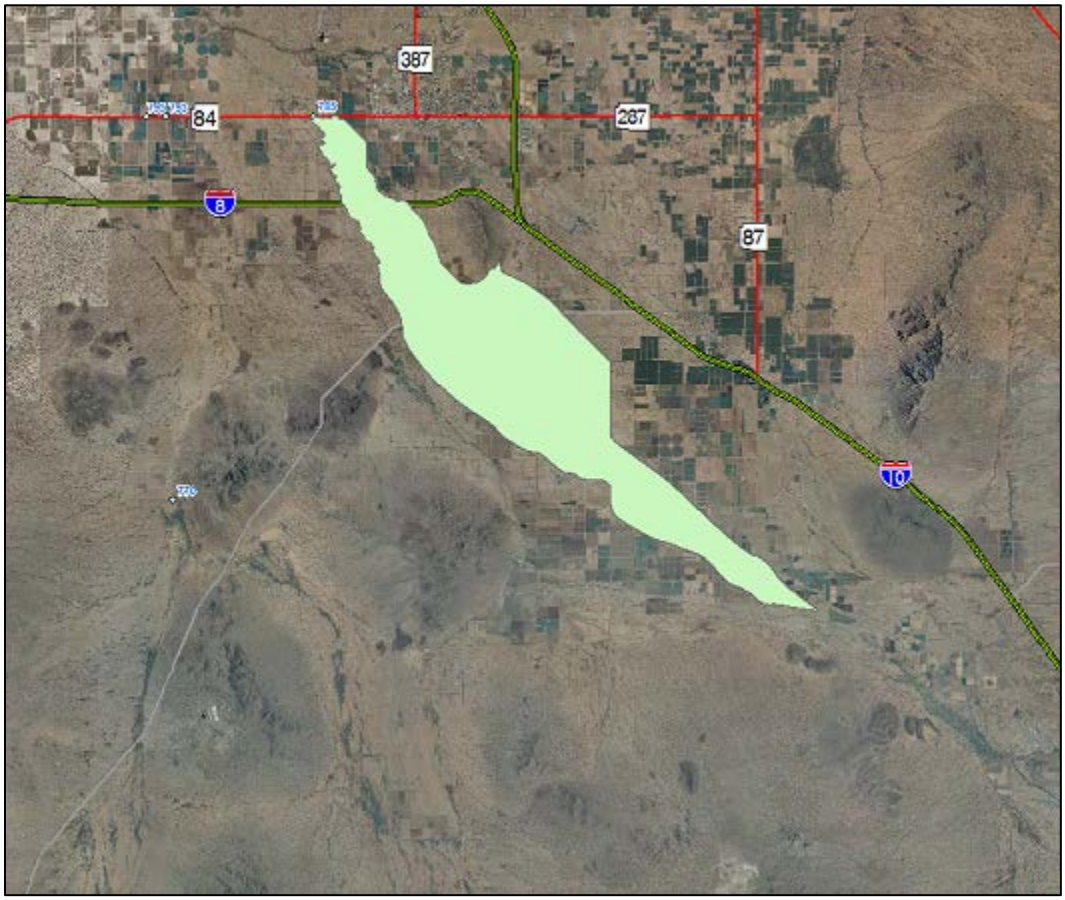
Santa Cruz River at SR84, ID #63807

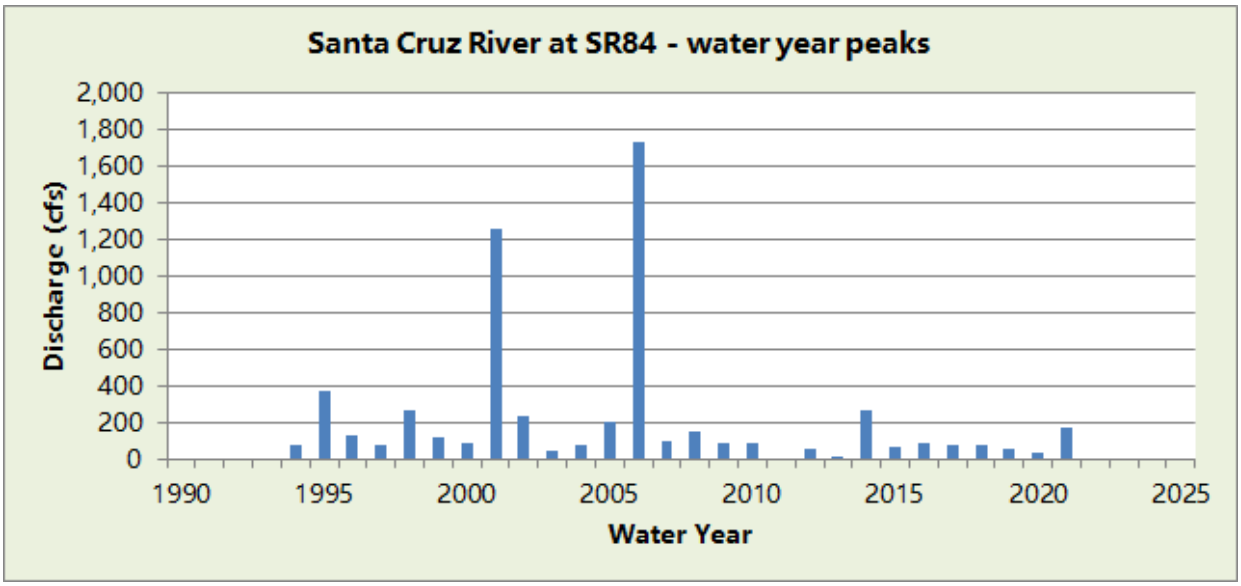


Site Data

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	27.55 Years | 10,061 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

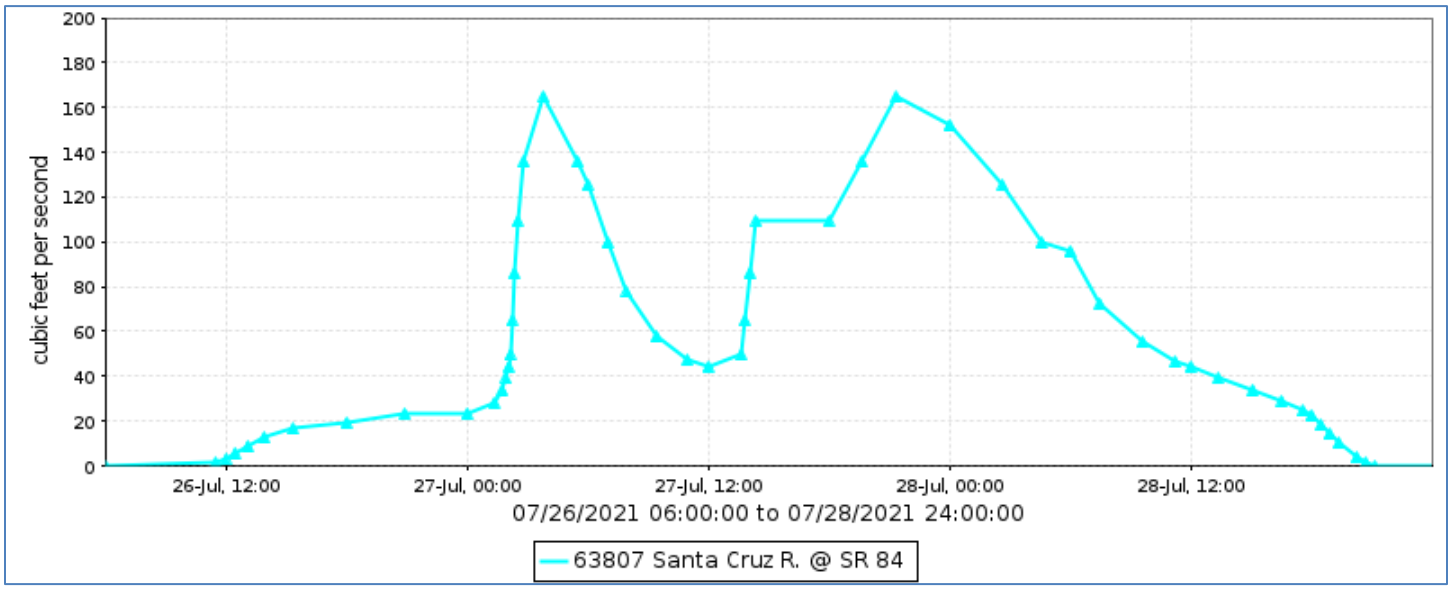




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/25/2021	0.62	14
07/27/2021	2.16	165
08/14/2021	0.84	22
08/19/2021	1.27	38

Hydrograph of peak WY 2021 flow event, 07/27/2021



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
102	**282**	**488**	**777**	**1,330**	**1,910**

Santa Cruz River at SR84, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											11	
15											2	
16											8	
17											24	
18											25	
19											34	
20											16	
21												
22												
23												
24												
25										3		
26										9		
27										102		
28										61		
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	174	118	0
MEAN	0	0	0	0	0	0	0	0	0	6	4	0
MAX	0	0	0	0	0	0	0	0	0	165	38	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	345	235	0

WTR YR 2021 TOTAL 293 MEAN 1 MAX 165 MIN 0 AC_FT 580

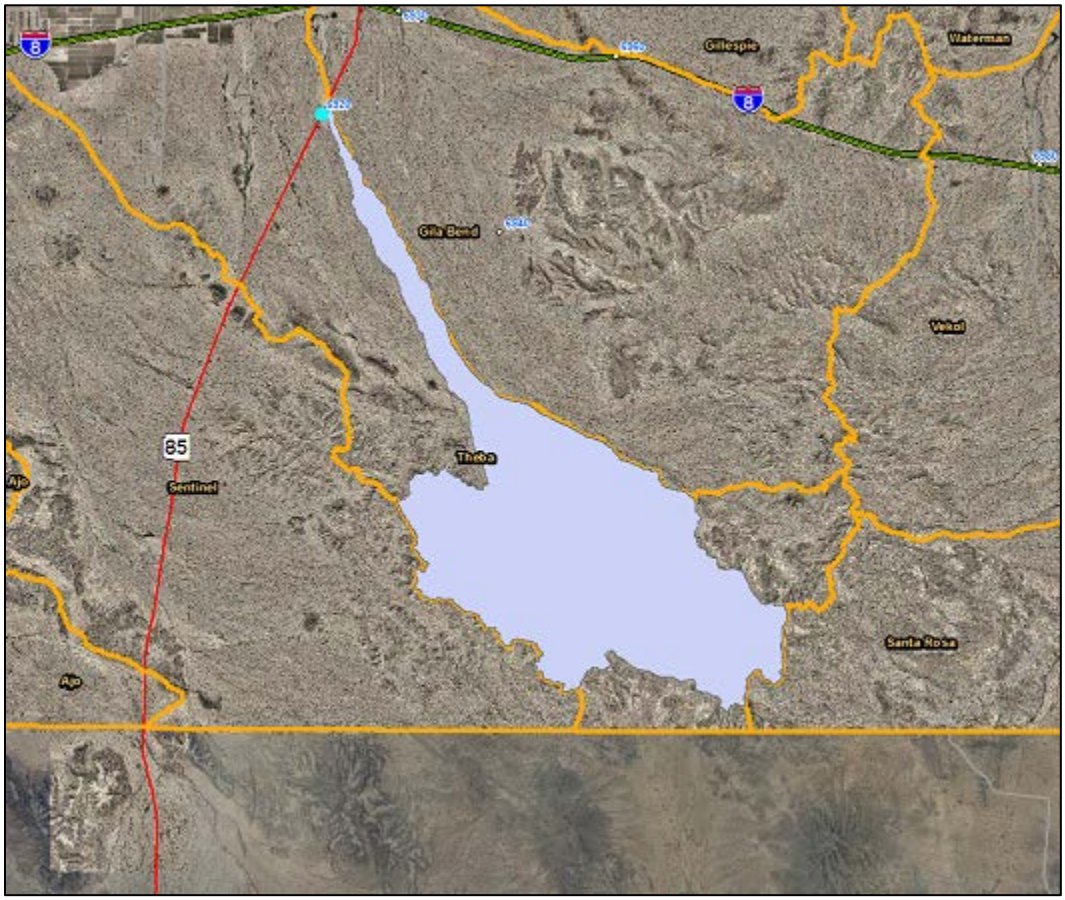
Sauceda Wash, ID #71007

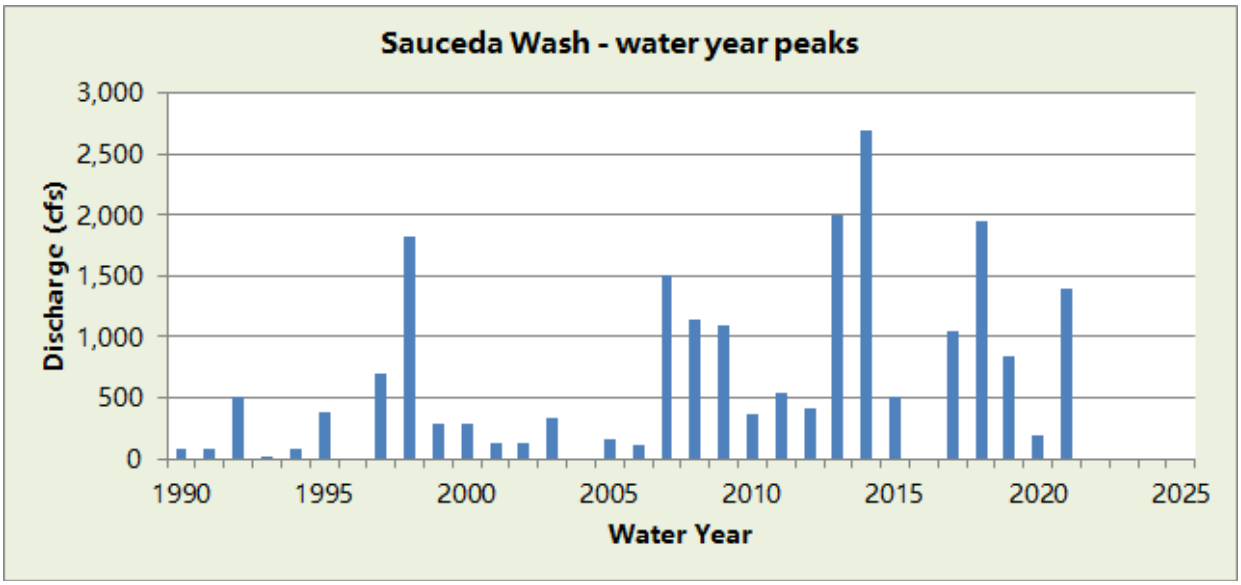


Site Data

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	31.59 Years | 11,538 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

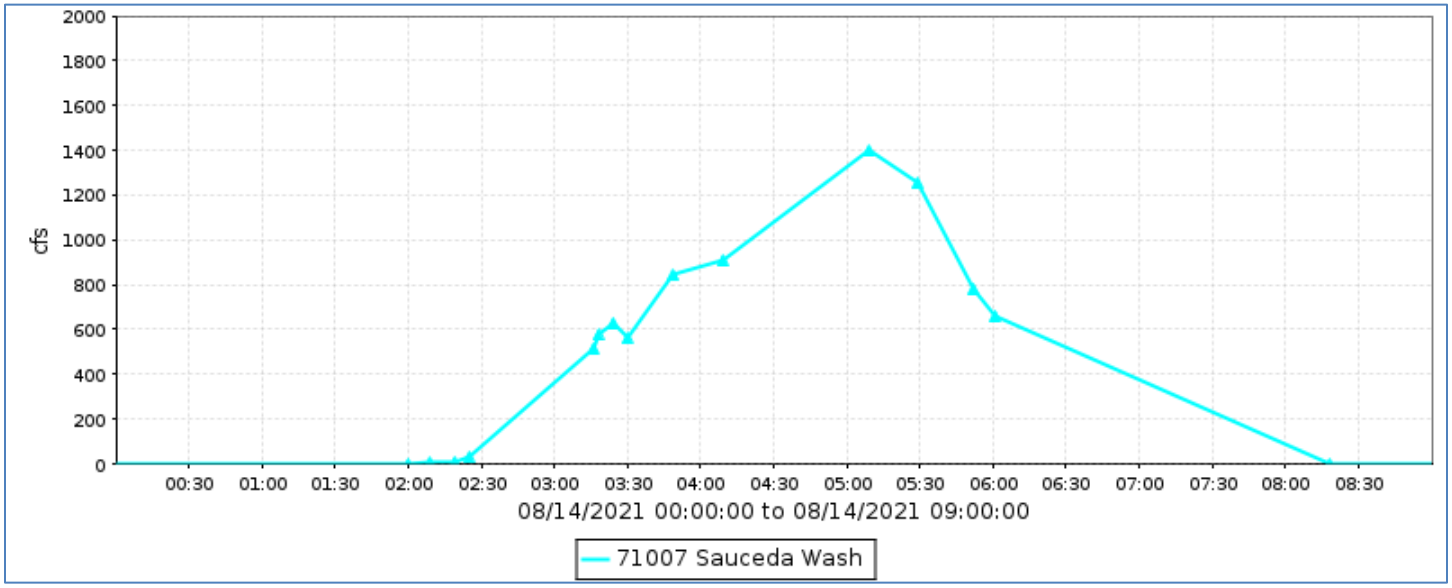




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/14/2021	4.10	1,396
08/31/2021	2.33	334

Hydrograph of peak WY 2021 flow event, 08/14/2021



Flood Flow Frequency

Flood Flow Frequency N=49, HEC-WRC computation (based on 49 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
434	**1,240**	**2,040**	**2,990**	**4,470**	**5,750**

NOTE: These results are based on limited data.

Sauceda Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											171	
15	---											
16												
17												
18												
19												
20												
21												
22												
23												
24												
25					---							
26												
27												
28									---			
29					---							
30					---							
31		---			---		---		---		15	---
TOTAL	0	0	0	0	0	0	0	0	0	0	186	0
MEAN	0	0	0	0	0	0	0	0	0	0	6	0
MAX	0	0	0	0	0	0	0	0	0	0	1396	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	370	0

WTR YR 2021 TOTAL 186 MEAN 1 MAX 1396 MIN 0 AC_FT 370

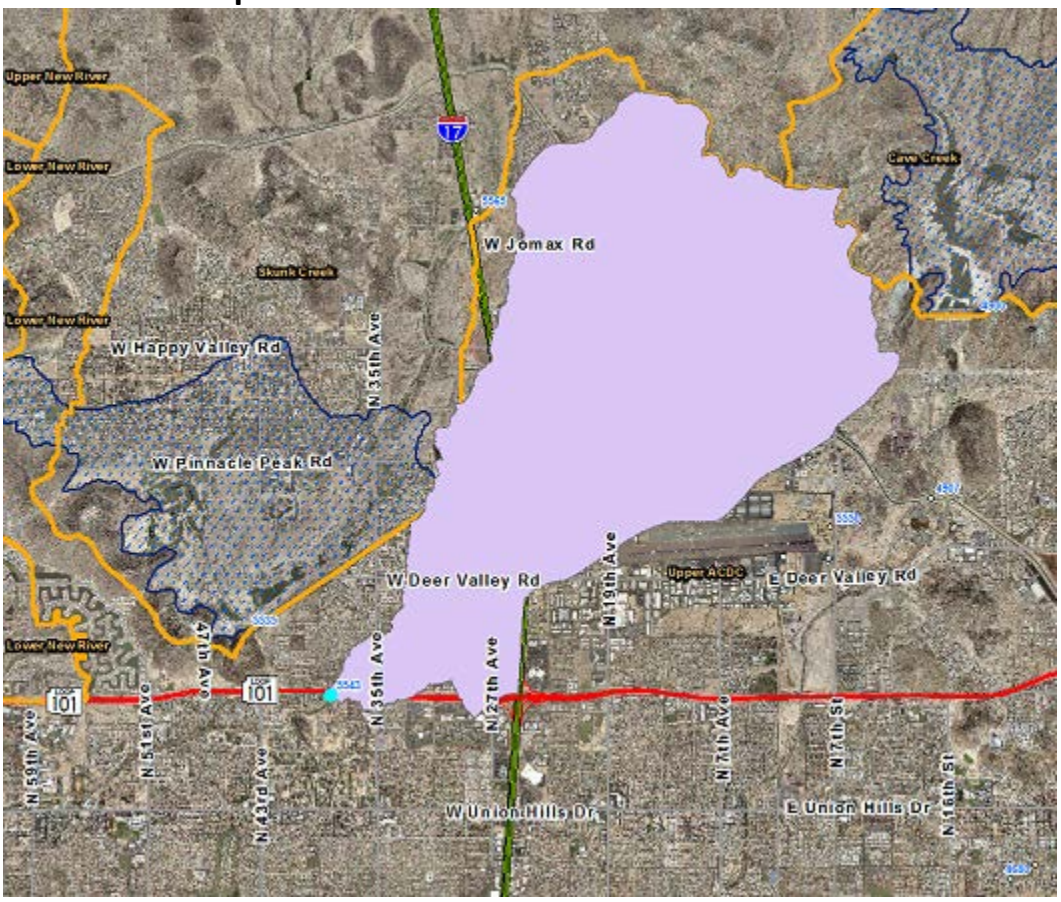
Scatter Wash, ID #14007

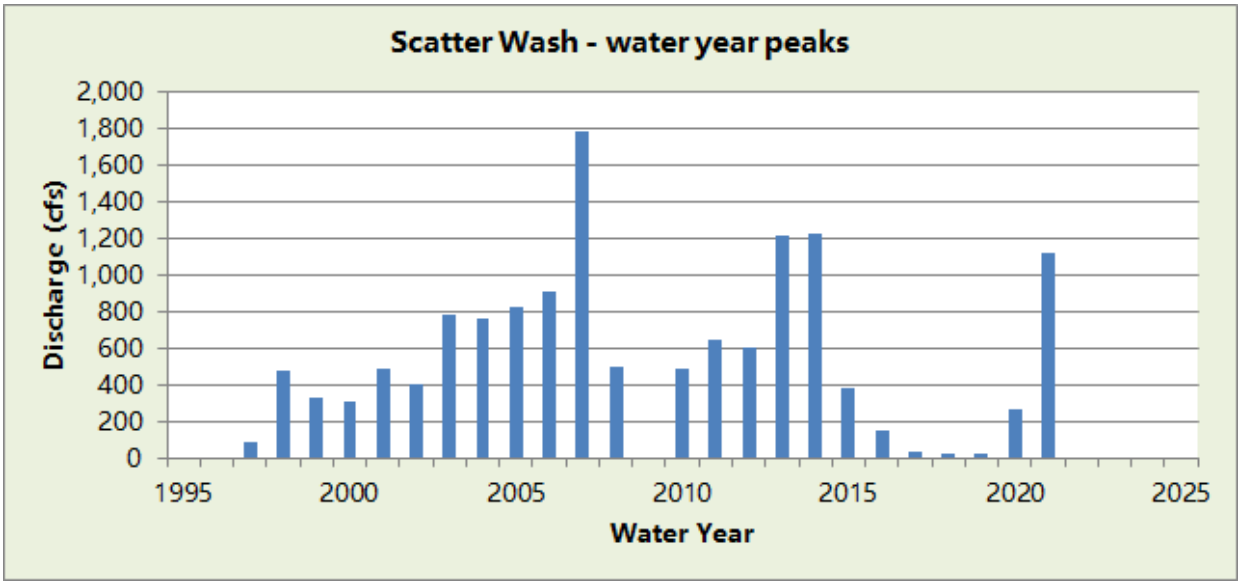


Site Data

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	25.03 Years | 9,144 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

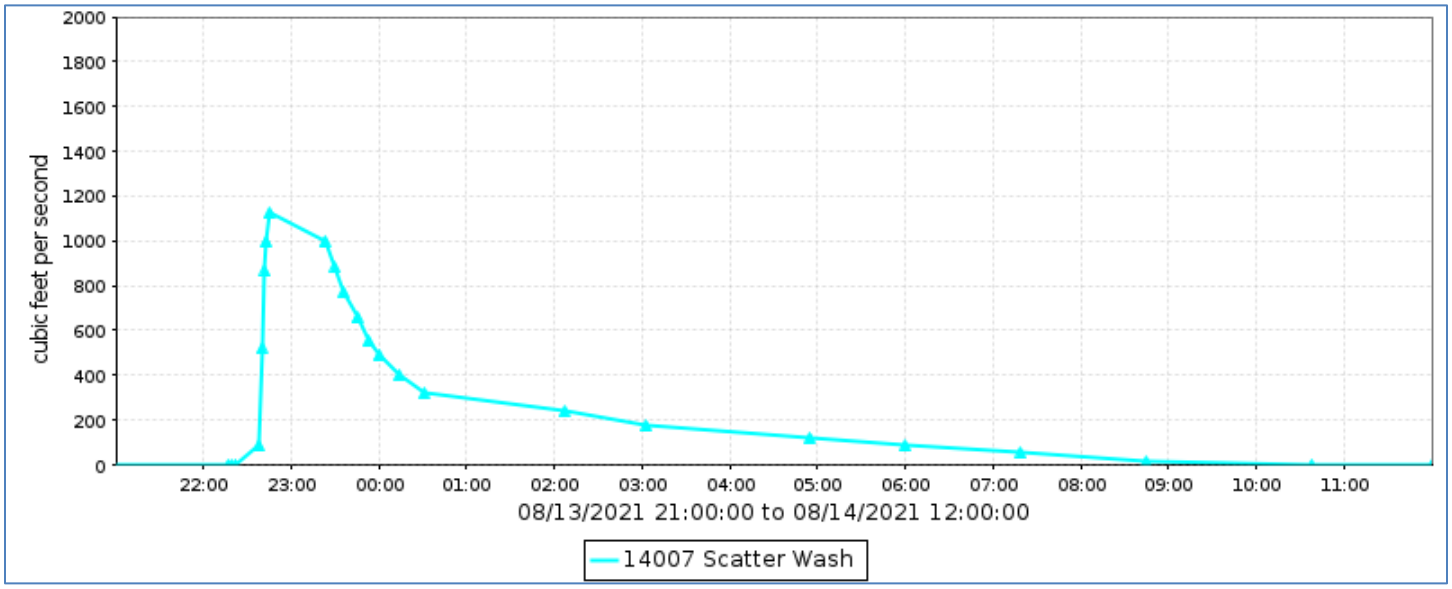




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/14/2021	0.67	22
07/22/2021	0.87	86
07/23/2021	0.97	121
07/25/2021	0.90	96
08/13/2021	2.29	1,124
08/17/2021	1.10	175
08/18/2021	0.65	17
09/26/2021	0.62	12

Hydrograph of peak WY 2021 flow event, 08/13/2021



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**
558	**1,010**	**1,300**	**1,550**	**1,830**	**2,010**

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 2020 to September 2021

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			1									
11												
12												
13											52	
14										1	68	
15												
16												
17											7	
18											2	
19												
20												
21												
22										3		
23										6		
24												
25				1						12		
26												1
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	1	1	0	0	0	0	0	23	129	1
MEAN	0	0	0	0	0	0	0	0	0	1	4	0
MAX	0	0	6	22	0	0	0	0	0	121	1124	12
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	1	2	0	0	0	0	0	45	256	2

WTR YR 2021 TOTAL 154 MEAN 0 MAX 1124 MIN 0 AC_FT 306

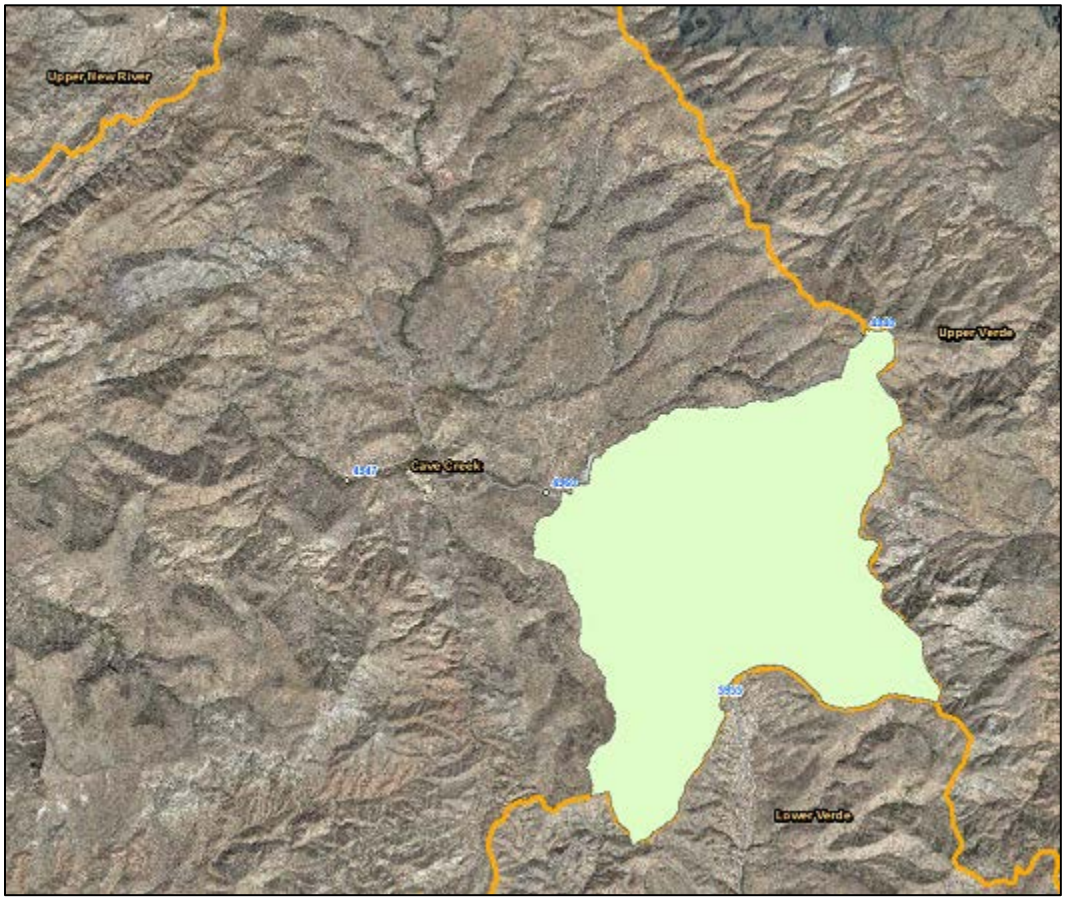
Seven Springs Wash, ID #21807

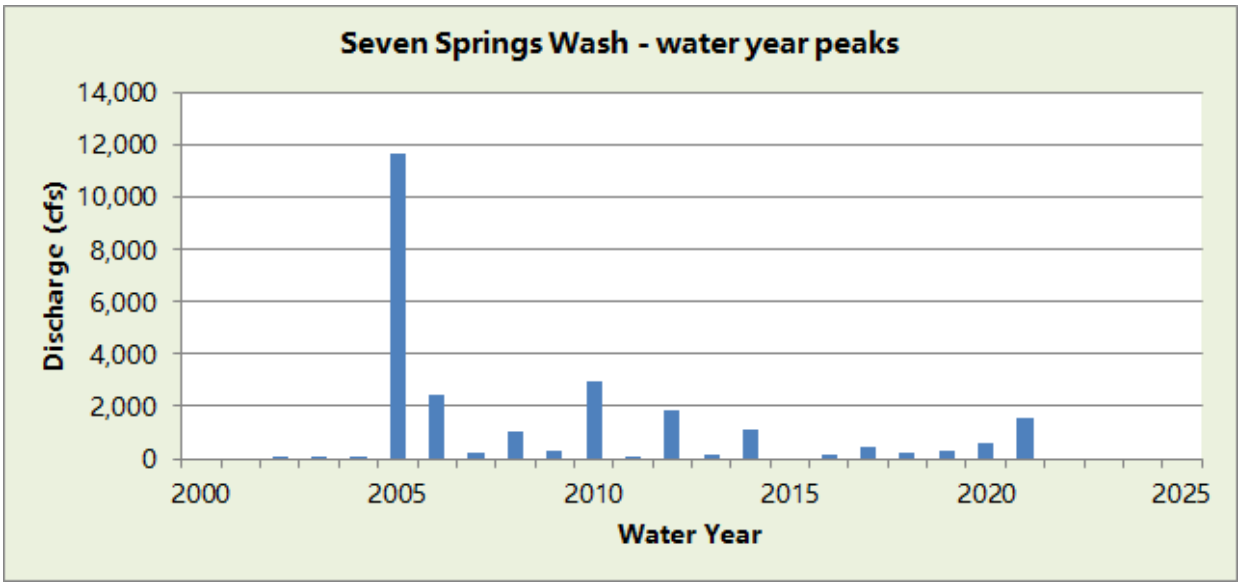


Site Data

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	19.56 Years | 7,143 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

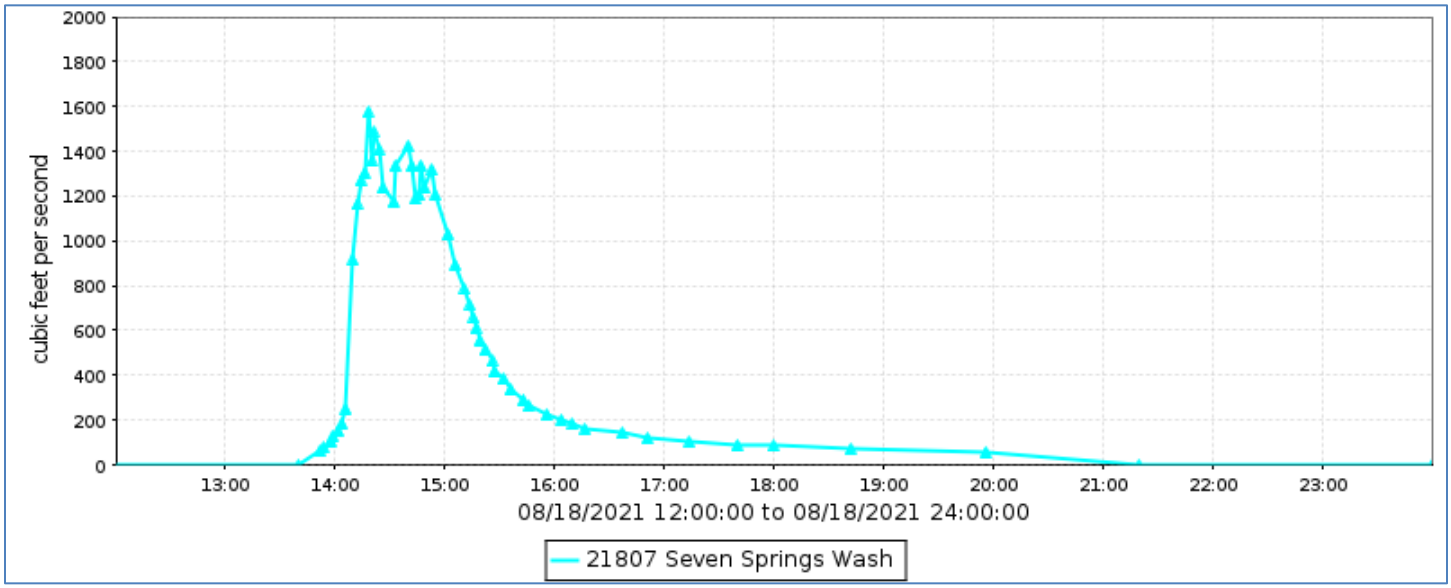




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	1.30	110
07/25/2021	0.87	64
07/25/2021	1.57	150
08/18/2021	5.06	1,574

Hydrograph of peak WY 2021 flow event, 08/18/2021



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**
321	**1,550**	**3,380**	**6,310**	**12,400**	**19,300**

NOTE: These results are based on very limited data.

Seven Springs Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											89	
19												
20												
21												
22												
23										13		
24												
25										12		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	25	89	0
MEAN	0	0	0	0	0	0	0	0	0	1	3	0
MAX	0	0	0	0	0	0	0	0	0	150	1574	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	49	176	0

WTR YR 2021 TOTAL 114 MEAN 0 MAX 1574 MIN 0 AC_FT 225

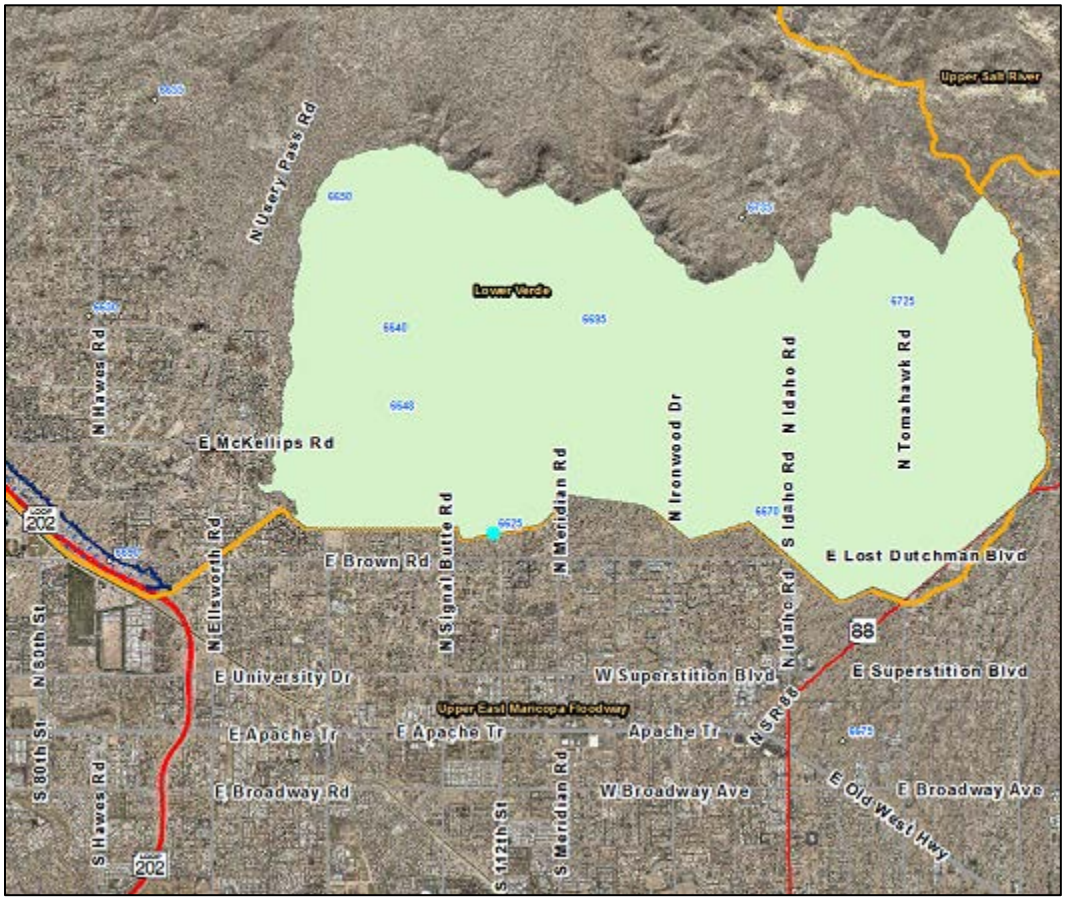
Signal Butte FRS, ID #79507

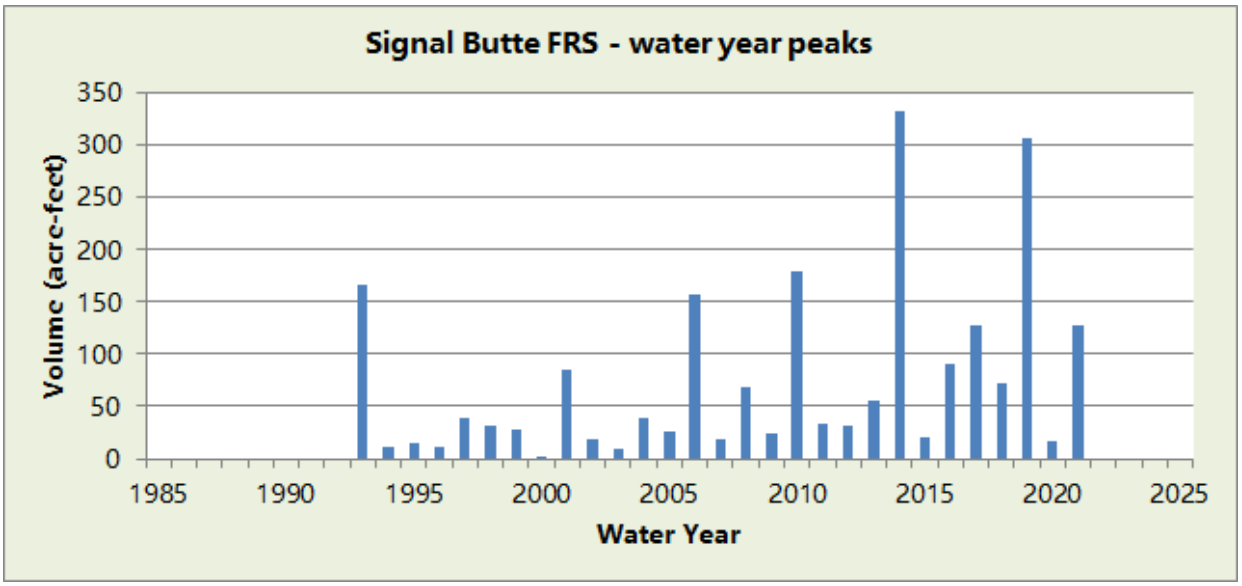


Site Data

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	33.89 Years | 12,379 Days
DATA GAPS IN POR	02/09/2021 – 07/07/2021
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



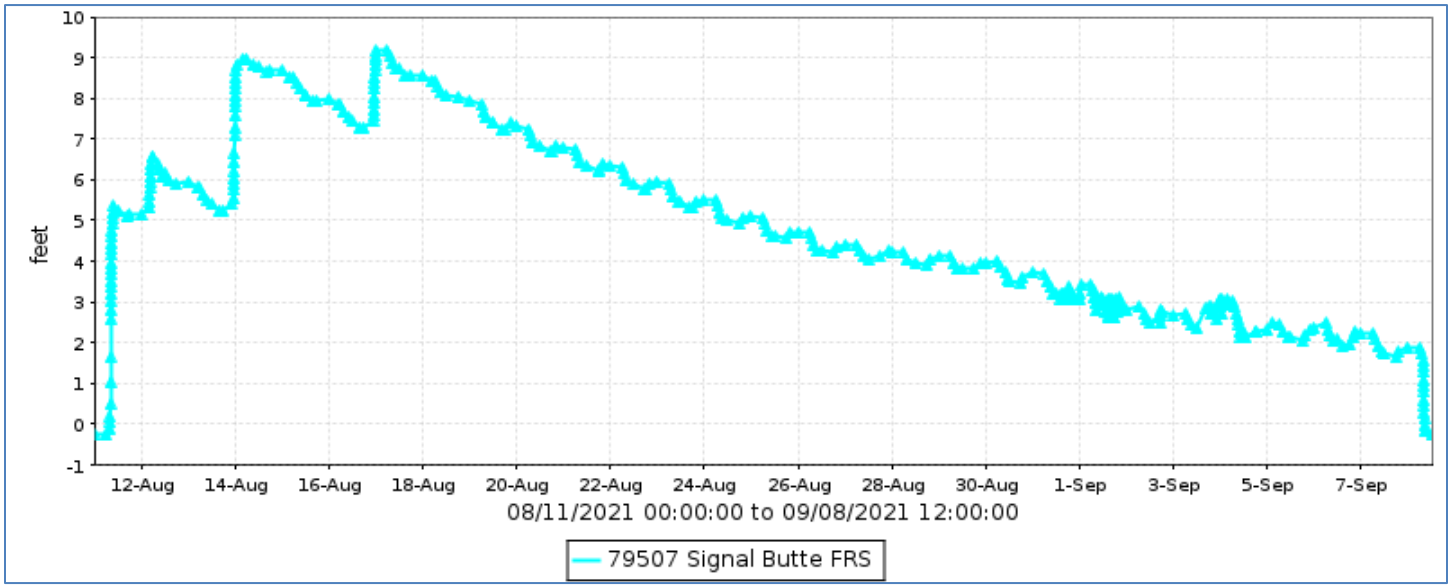


WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/25/2021	2.58	5.0	0.4
08/12/2021	6.55	56.0	3.5
08/13/2021	8.98	121.0	7.4
08/17/2021	9.43	128.0	7.8

NOTE: Station was removed for construction from February 9 – July 7, 2021. No events were missed.

Hydrograph of peak 2021 impoundment event, 08/17/2021



Signal Butte FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

NOTE: Station removed for construction from February 8 – July 8, 2021. No events were missed.

Signal Butte FRS, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	---	---	---	---		9
2						---	---	---	---	---		6
3						---	---	---	---	---		5
4						---	---	---	---	---		5
5						---	---	---	---	---		3
6						---	---	---	---	---		3
7						---	---	---	---	---		2
8						---	---	---	---			
9					---	---	---	---	---			
10					---	---	---	---	---			
11					---	---	---	---	---		21	
12					---	---	---	---	---		45	
13					---	---	---	---	---		39	
14					---	---	---	---	---		115	
15					---	---	---	---	---		98	
16					---	---	---	---	---		81	
17					---	---	---	---	---		117	
18					---	---	---	---	---		98	
19					---	---	---	---	---		79	
20					---	---	---	---	---		66	
21					---	---	---	---	---		55	
22					---	---	---	---	---		47	
23					---	---	---	---	---		39	
24					---	---	---	---	---	1	33	
25					---	---	---	---	---	3	27	
26					---	---	---	---	---	1	22	
27					---	---	---	---	---		20	
28					---	---	---	---	---		18	
29					---	---	---	---	---		17	
30					---	---	---	---	---		15	
31		---			---	---	---	---	---		11	---
MEAN	0	0	0	0	0	---	---	---	---	0	34	1
MAX	0	0	0	0	0	---	---	---	---	5	128	11
MIN	0	0	0	0	0	---	---	---	---	0	0	0

WTR YR 2021 MEAN 3 MAX 128 MIN 0

Signal Butte FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	3.1
2	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	2.7
3	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	2.6
4	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	2.5
5	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	2.3
6	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	2.2
7	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	1.9
8	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	-0.2	-0.2	0.5
9	-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
11	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	3.3	-0.2
12	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	5.9	-0.2
13	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	5.6	-0.2
14	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	8.8	-0.2
15	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	8.2	-0.2
16	0.0	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	7.6	-0.2
17	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	8.8	-0.2
18	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	8.2	-0.2
19	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	7.6	-0.2
20	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	7.0	-0.2
21	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	6.5	-0.2
22	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	6.0	-0.2
23	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	5.6	-0.2
24	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	1.1	5.2	-0.2
25	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	2.1	4.8	-0.2
26	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	1.0	4.4	-0.2
27	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	4.2	-0.2
28	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	4.1	-0.2
29	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	3.9	-0.2
30	-0.2	-0.2	-0.2	-0.2	---	---	---	---	---	-0.2	3.7	-0.2
31	-0.2	---	-0.2	-0.2	---	---	---	---	---	-0.2	3.4	---
MEAN	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	-0.0	3.9	0.4
MAX	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	2.6	9.2	3.4
MIN	-0.2	-0.2	-0.2	-0.2	-0.2	---	---	---	---	-0.2	-0.2	-0.2

WTR YR 2021 MEAN 0.17 MAX 9.18 MIN -0.25

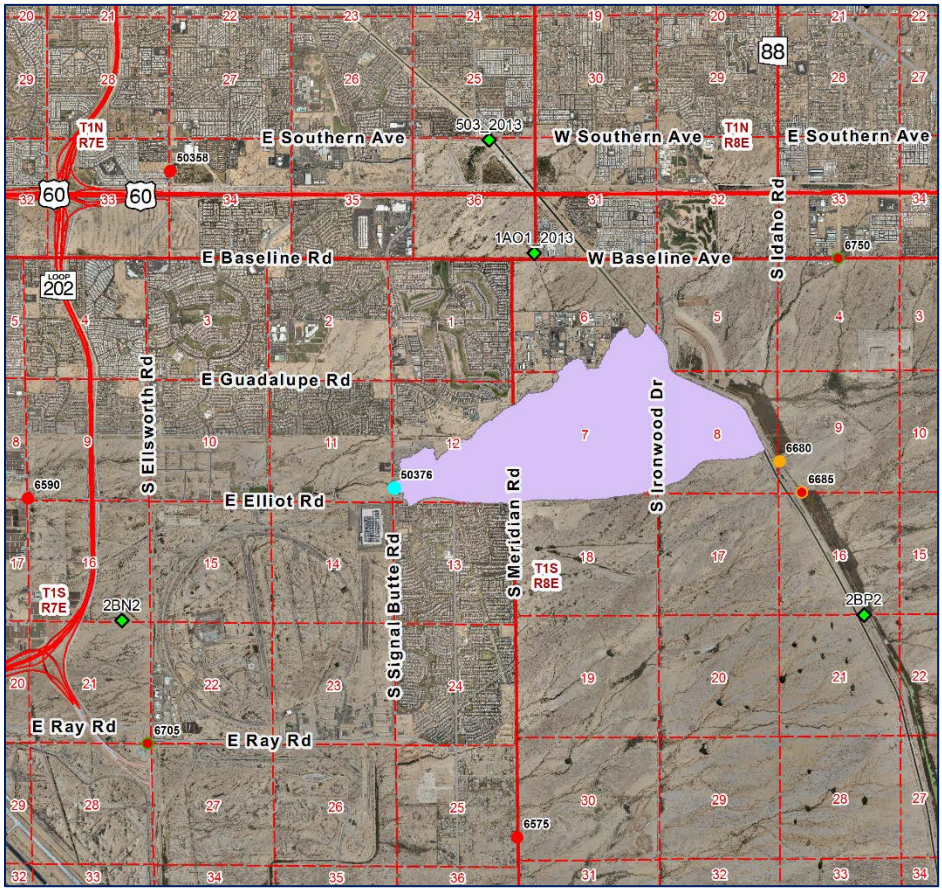
Siphon Draw Wash at Signal Butte Road, ID #37607

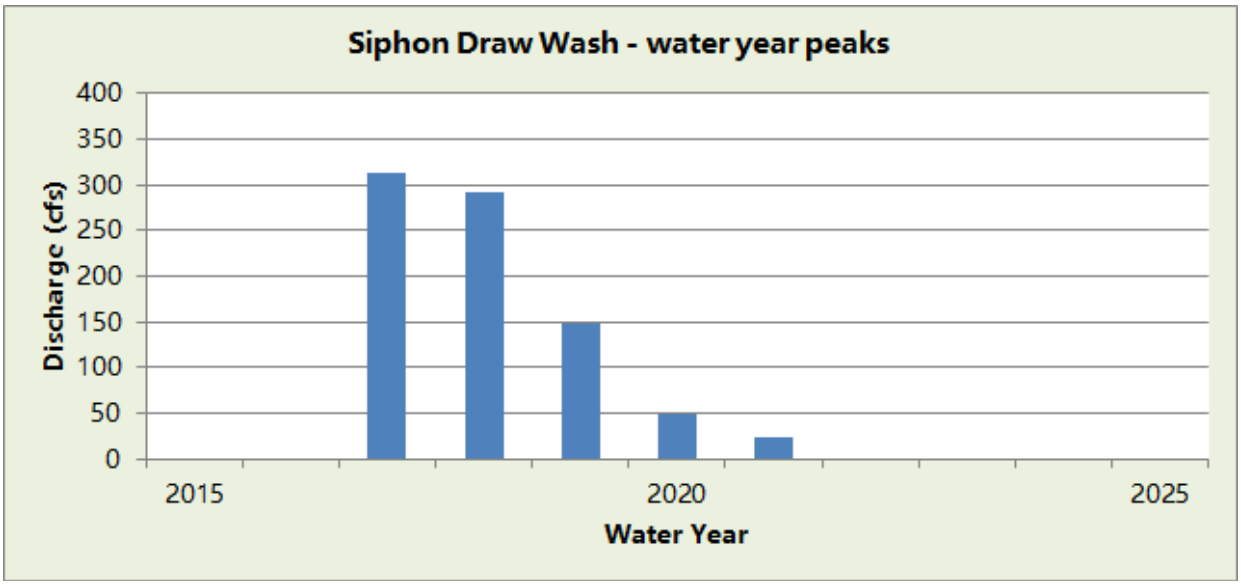


Site Data

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	4.77 Years | 1,744 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

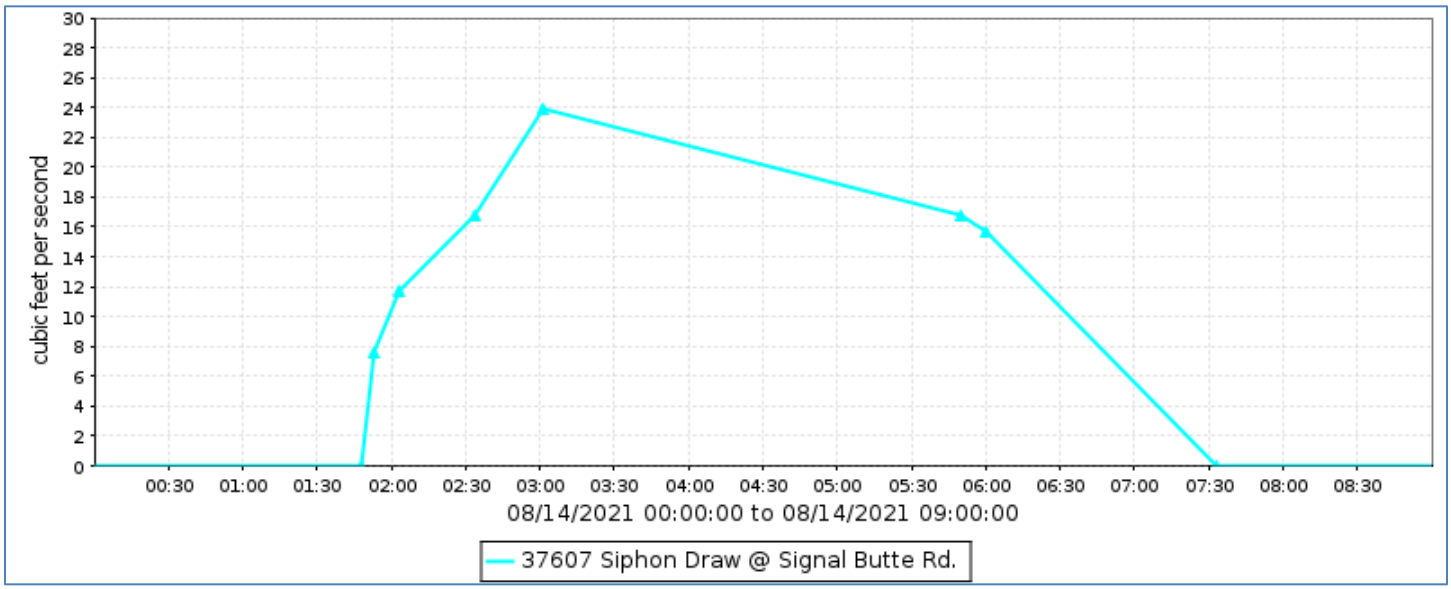




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/25/2021	1.07	24
08/14/2021	1.07	24
08/17/2021	0.96	17
09/02/2021	0.86	12

Hydrograph of peak WY 2021 flow event, 08/14/2021



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 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 23 MEAN 0 MAX 24 MIN 0 AC_FT 45

Skunk Creek near New River, ID #66207

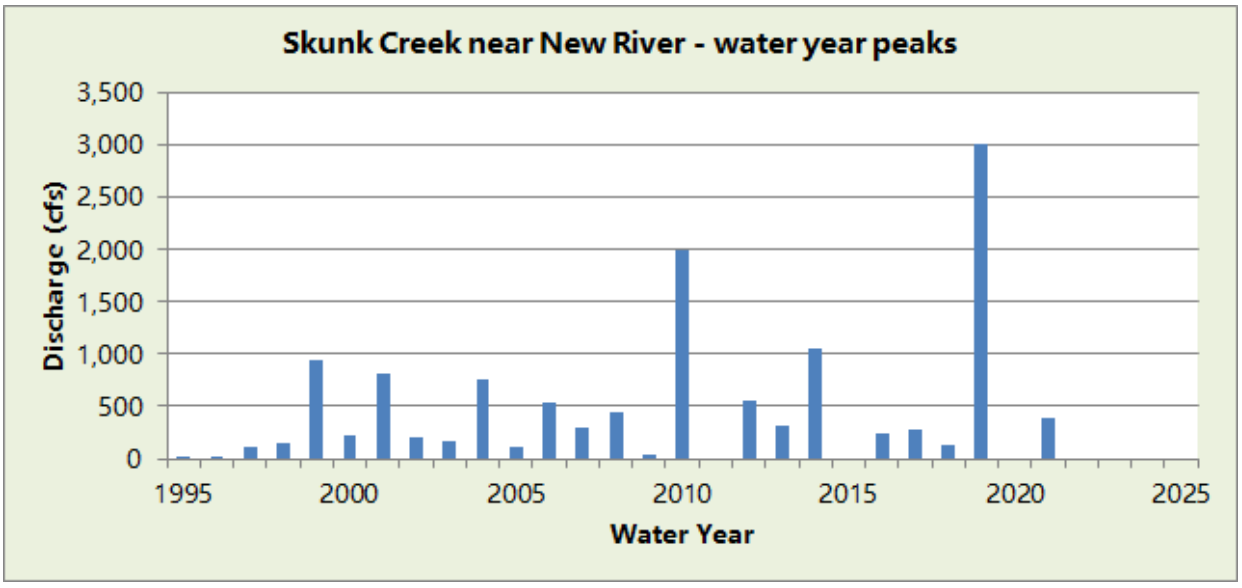


Site Data

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	26.28 Years | 9,599 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

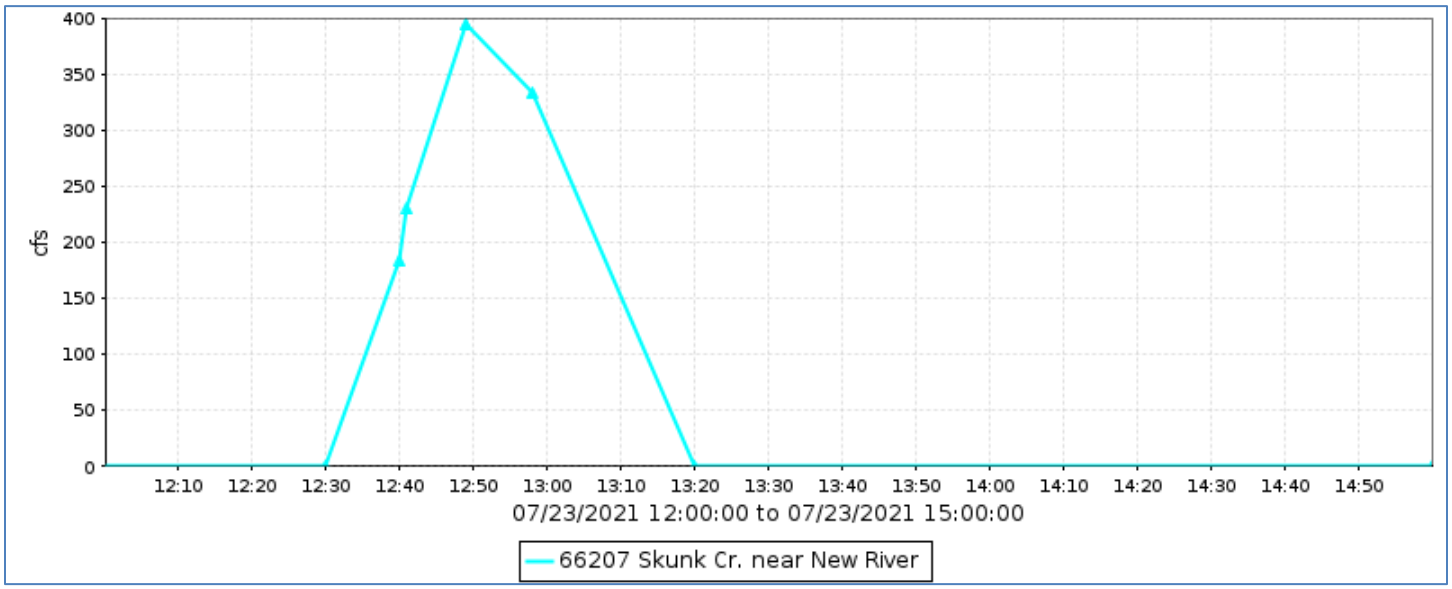




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	2.29	395

Hydrograph of peak WY 2021 flow event, 07/23/2021



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**
225	**789**	**1,350**	**1,980**	**2,880**	**3,580**

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 2020 to September 2021

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										9		
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	9	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	395	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	18	0	0

WTR YR 2021 TOTAL 9 MEAN 0 MAX 395 MIN 0 AC_FT 18

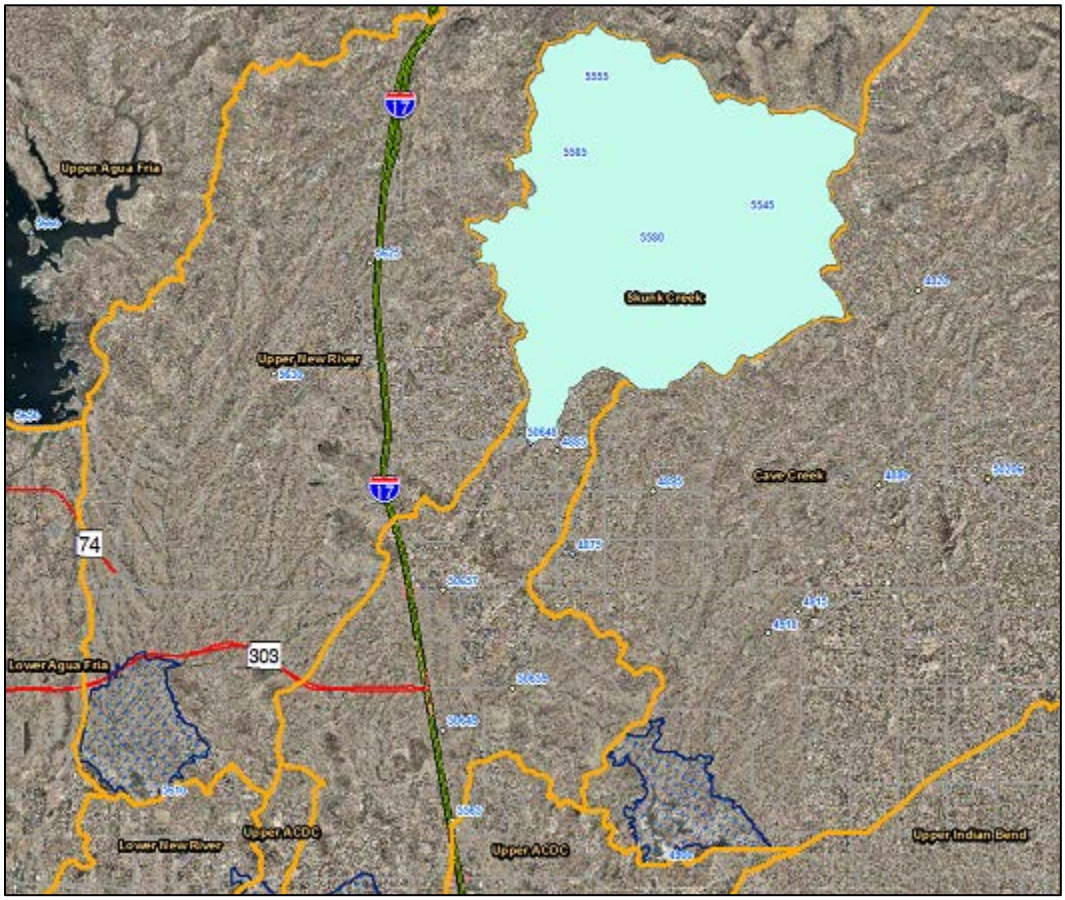
Skunk Creek at Desert Hills Drive, ID #64807

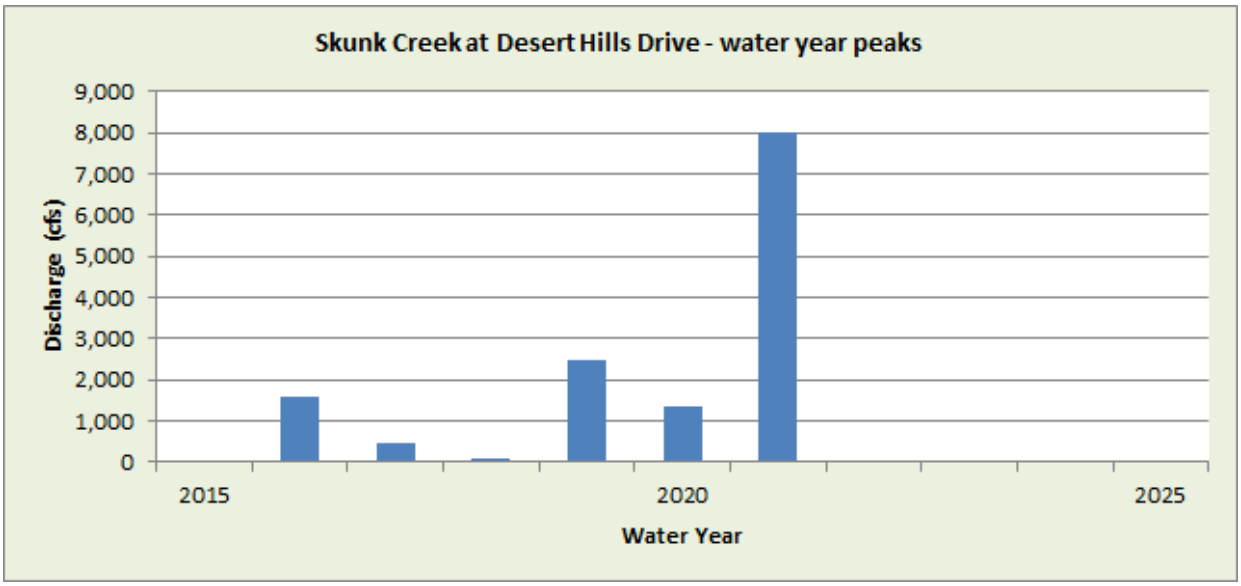


Site Data

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	6.19 Years | 2,262 Days
DATA GAPS IN POR	07/23/2021 – 11/17/2021
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	8,650 cfs | 9.45 feet GH | 07/23/2021

Watershed Map



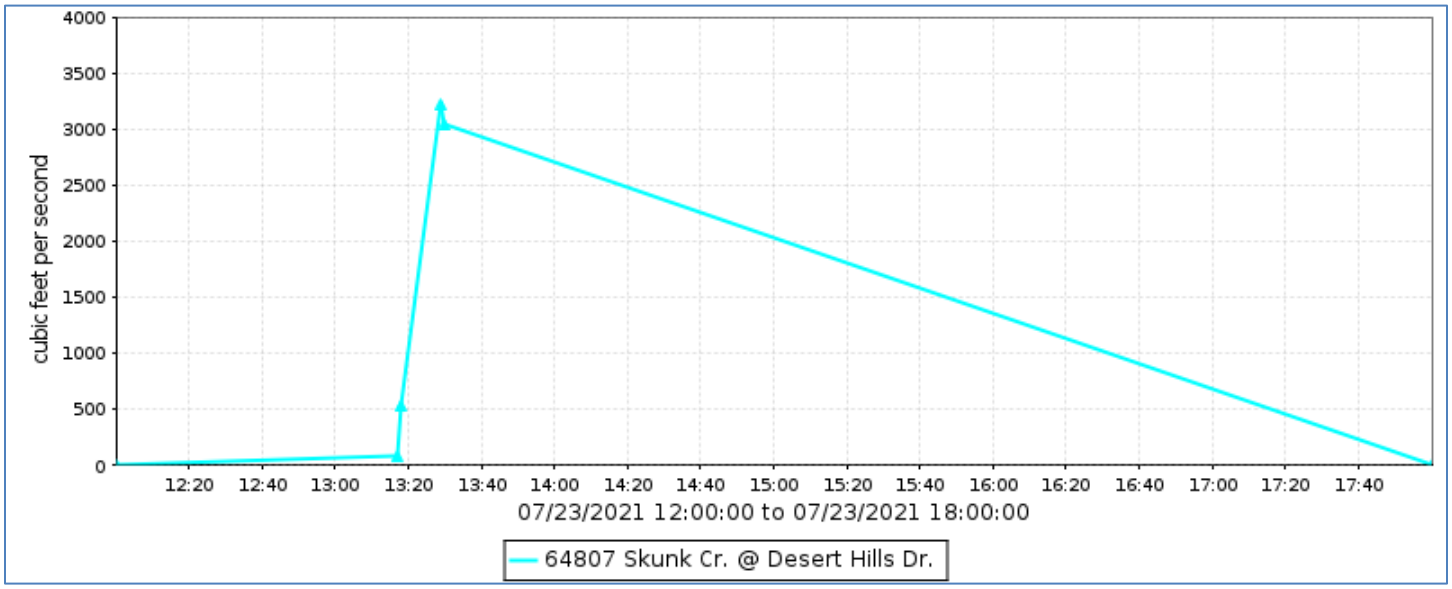


WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	9.45	8,650

NOTE: Gage failed and was destroyed during the 07/23/2021 event.

Hydrograph of peak WY 2021 flow event, 07/23/2021



NOTE: Gage was destroyed during event. Peak in hydrograph is the last recorded data from the event.

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 2020 to September 2021

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										579	---	---
24										---	---	---
25										---	---	---
26										---	---	---
27										---	---	---
28										---	---	---
29					---					---	---	---
30					---					---	---	---
31		---			---		---		---	---	---	---
TOTAL	0	0	0	0	0	0	0	0	0	579	---	---
MEAN	0	0	0	0	0	0	0	0	0	19	---	---
MAX	0	0	0	0	0	0	0	0	0	3217	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---
AC_FT	0	0	0	0	0	0	0	0	0	1149	---	---

WTR YR 2021 TOTAL 579 MEAN 2 MAX 3217 MIN 0 AC_FT 1149

NOTE: Station destroyed during flood event of July 23, 2021. Higher peak of 8,650 cfs estimated from high water marks.

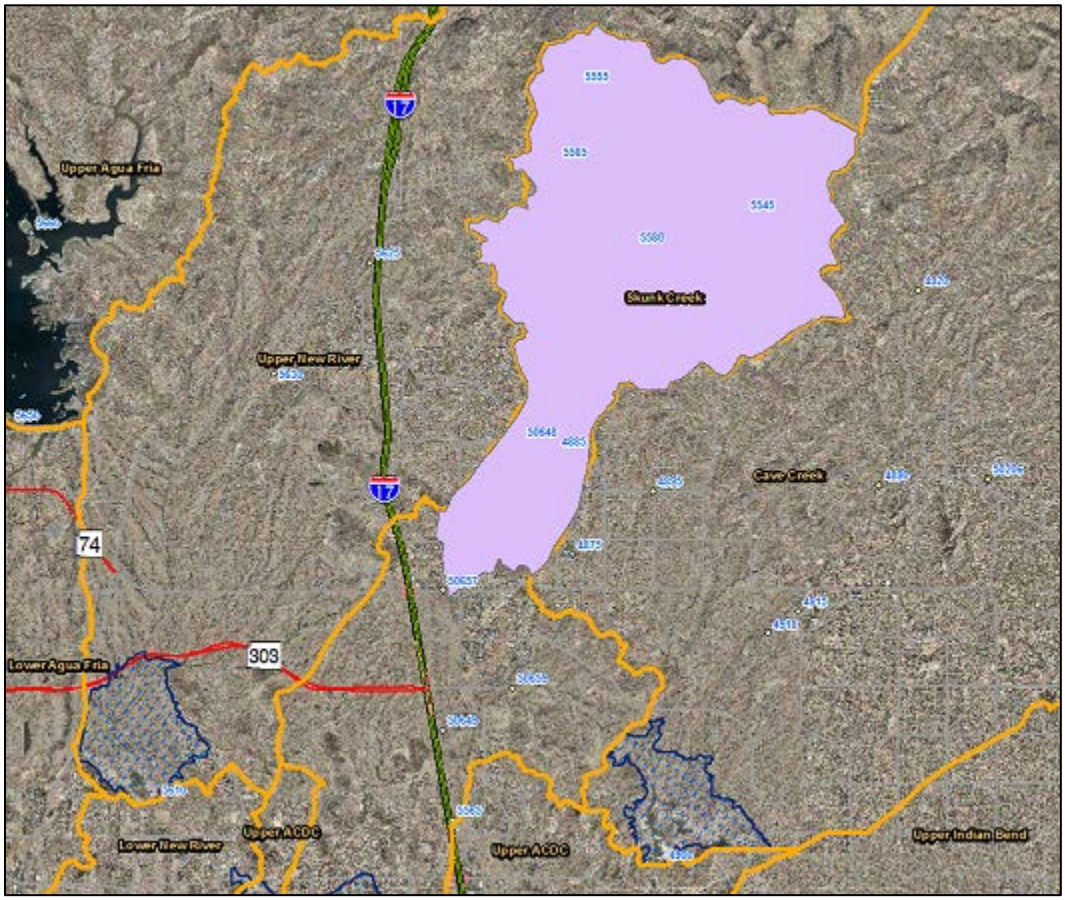
Skunk Creek at Carefree Highway, ID #65707

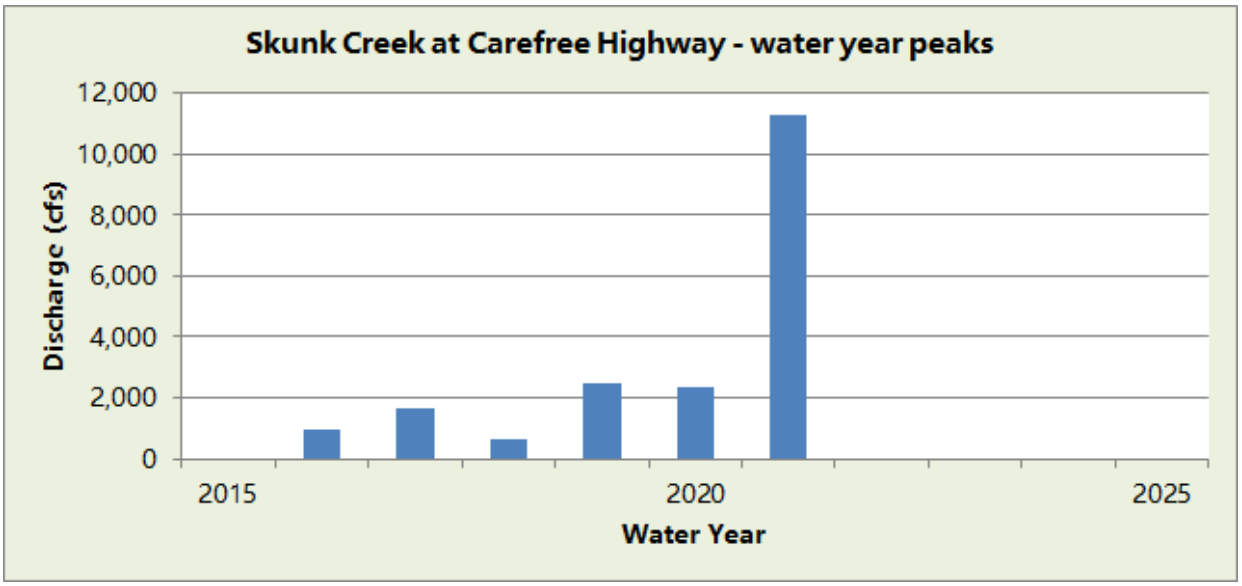


Site Data

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	6.12 Years | 2,235 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	11,278 cfs | 6.87 feet GH | 07/23/2021

Watershed Map

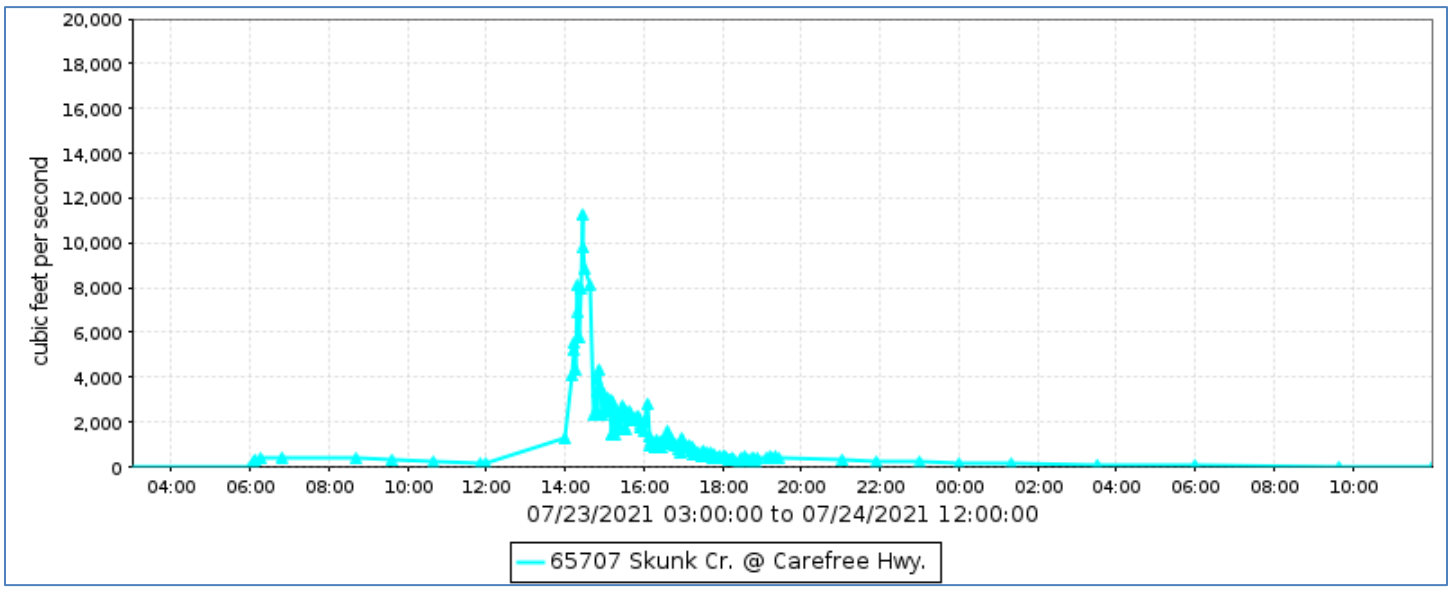




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	6.87	11,278
07/25/2021	3.38	1,160
07/31/2021	1.91	135
08/12/2021	3.60	1,425
08/14/2021	3.18	944
08/17/2021	2.48	400
08/18/2021	2.98	750

Hydrograph of peak WY 2021 flow event, 07/23/2021



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 2020 to September 2021

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											196	
13											20	
14											170	
15												
16												
17											88	
18											140	
19											57	
20												
21												
22												
23										566		
24										52		
25										272		
26										60		
27												
28												
29					---							
30					---							
31		---			---		---		---	34		---
TOTAL	0	0	0	0	0	0	0	0	0	985	670	0
MEAN	0	0	0	0	0	0	0	0	0	32	22	0
MAX	0	0	0	0	0	0	0	0	0	11278	1425	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	1953	1329	0

WTR YR 2021 TOTAL 1655 MEAN 5 MAX 11278 MIN 0 AC_FT 3282

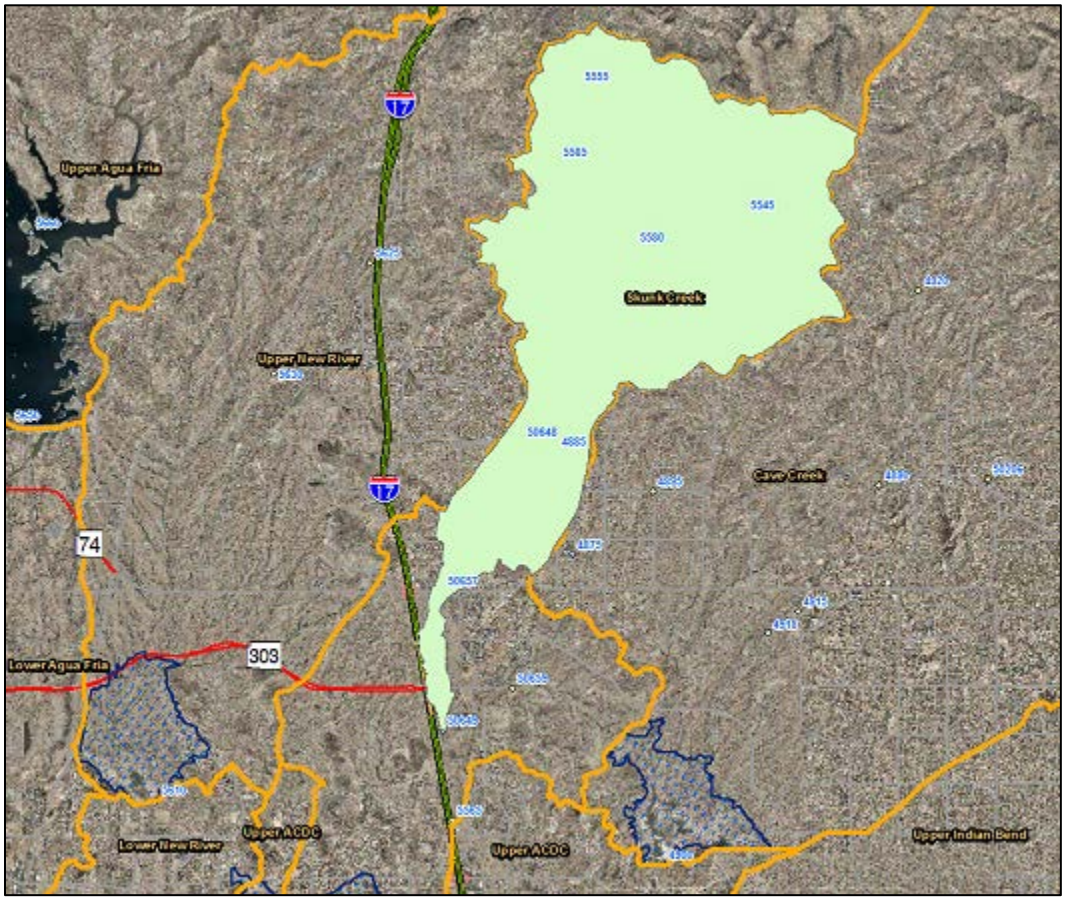
Skunk Creek at Dixileta Drive, ID #64907

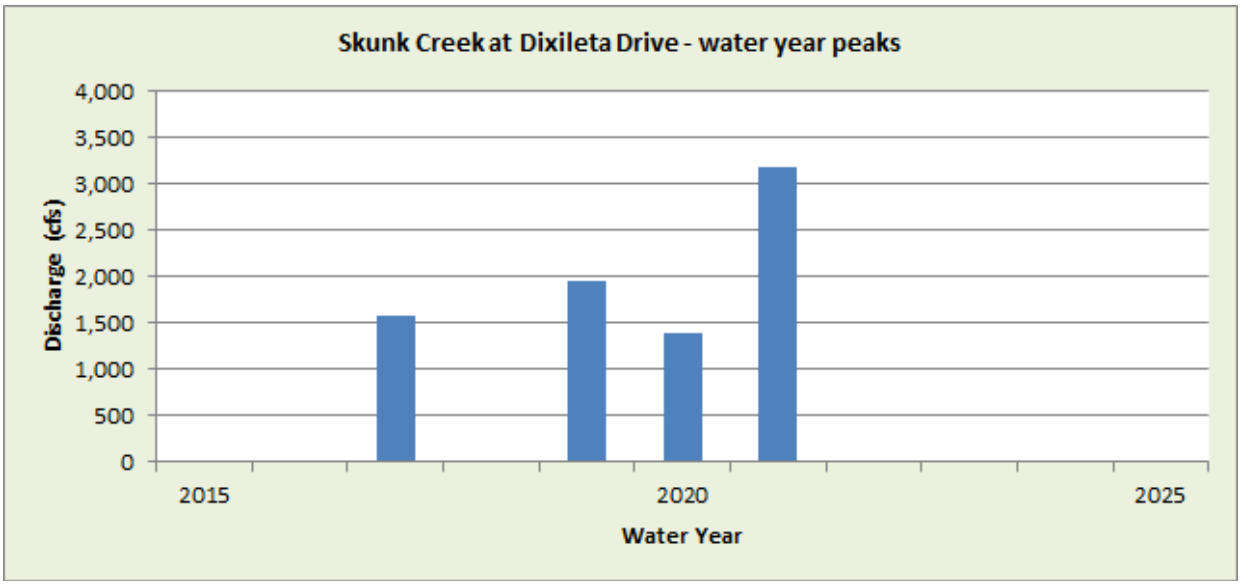


Site Data

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	5.72 Years | 2,090 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

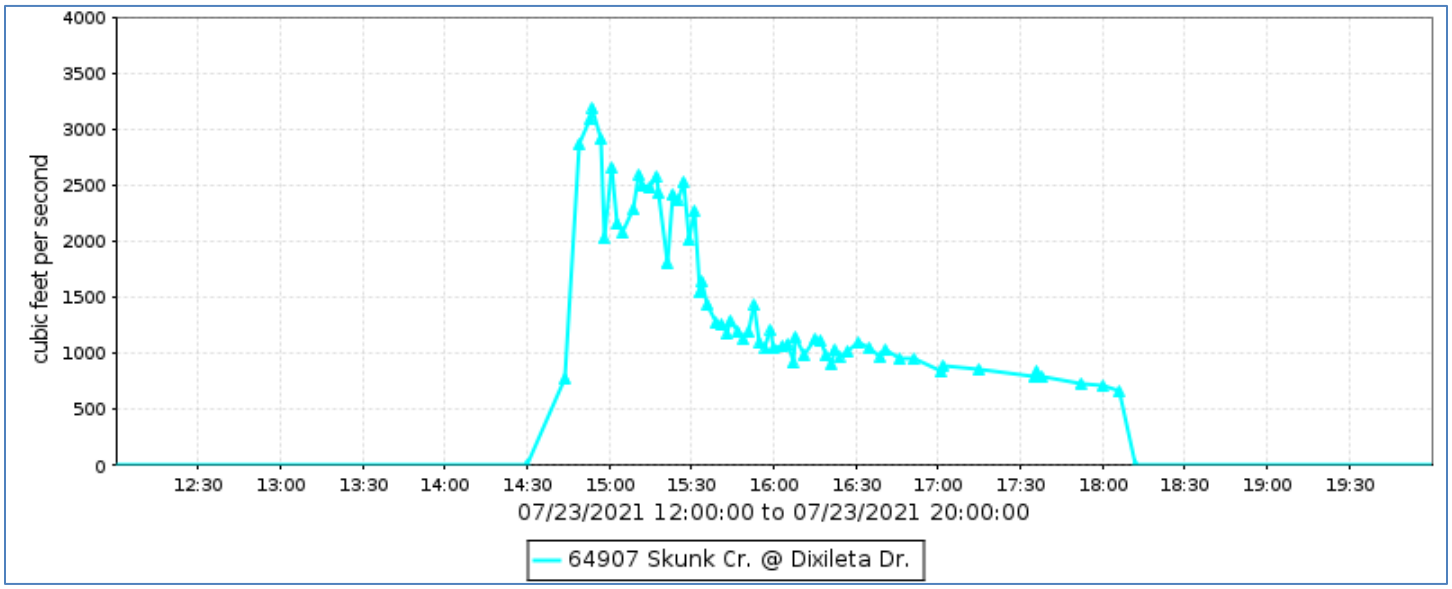




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	6.78	3,186
07/25/2021	2.54	752

Hydrograph of peak WY 2021 flow event, 07/23/2021



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 2020 to September 2021

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										184		
24												
25										22		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	206	0	0
MEAN	0	0	0	0	0	0	0	0	0	7	0	0
MAX	0	0	0	0	0	0	0	0	0	3186	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	408	0	0

WTR YR 2021 TOTAL 206 MEAN 1 MAX 3186 MIN 0 AC_FT 408

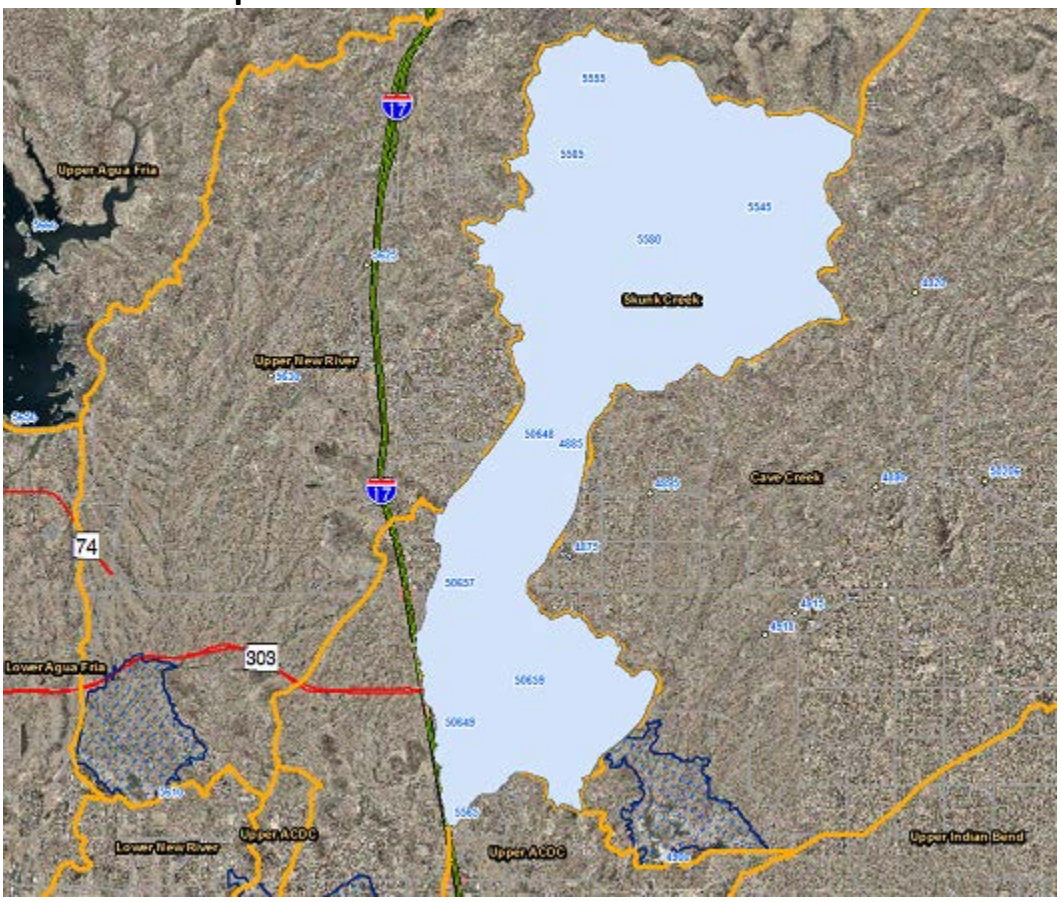
Skunk Creek at I-17, ID #65807

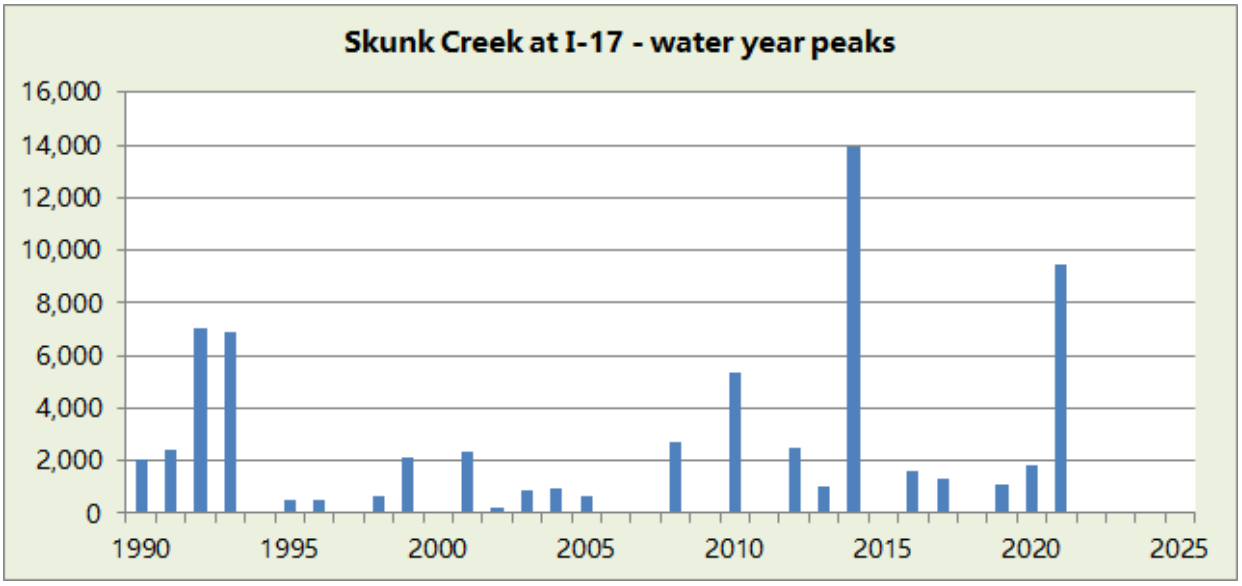


Site Data

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	31.14 Years | 11,374 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

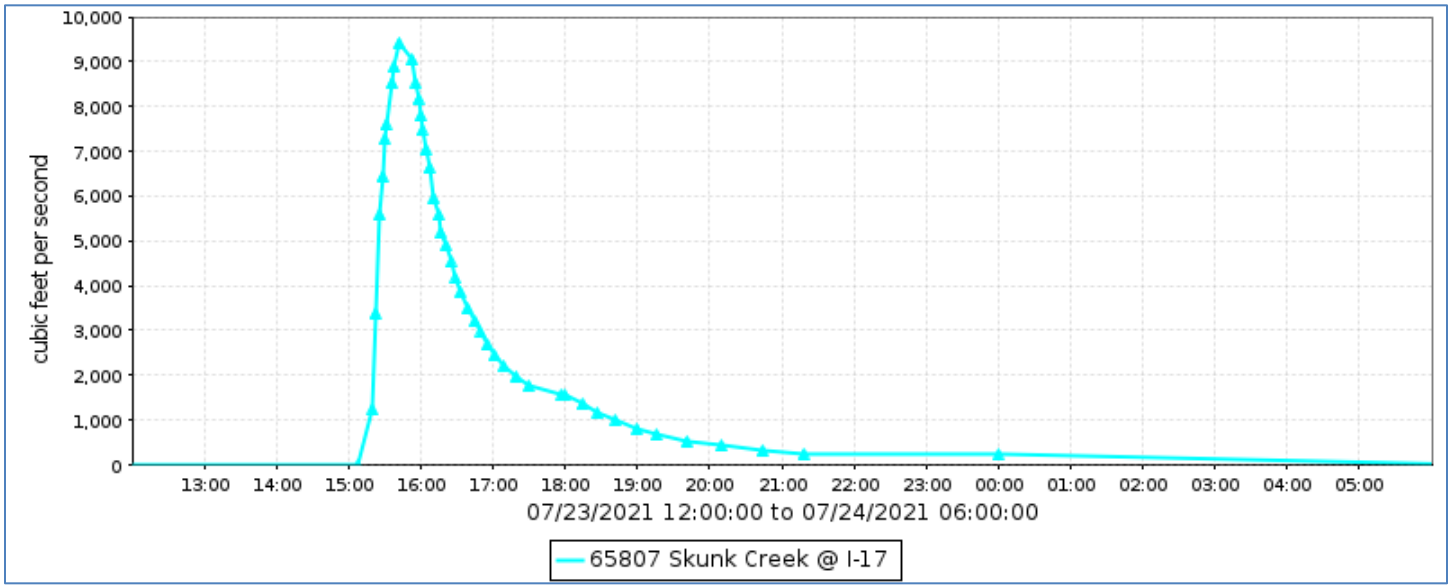




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	1.45	291
07/23/2021	5.74	9,429
07/25/2021	2.63	1,765
08/12/2021	1.55	366
08/14/2021	1.70	484

Hydrograph of peak WY 2021 flow event, 07/23/2021



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**
912	**3,800**	**7,240**	**11,700**	**19,200**	**25,900**

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

Skunk Creek at I-17, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8							43					
9												
10												
11												
12											17	
13											20	
14											66	
15												
16												
17												
18												
19												
20												
21												
22												
23										628		
24										60		
25										296		
26										9		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	43	0	0	993	103	0
MEAN	0	0	0	0	0	0	1	0	0	32	3	0
MAX	0	0	0	0	0	0	173	0	0	9429	484	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	86	0	0	1970	205	0

WTR YR 2021 TOTAL 1140 MEAN 3 MAX 9429 MIN 0 AC_FT 2261

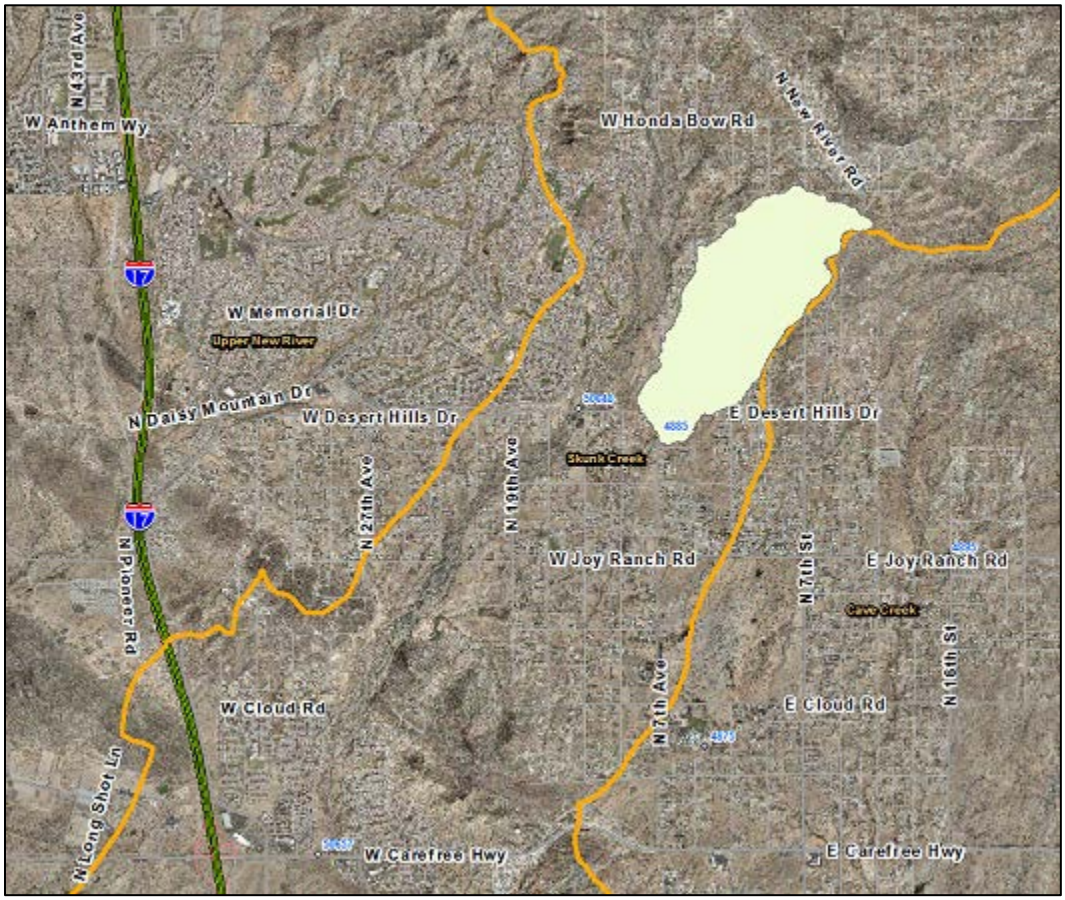
Skunk Tank Wash, ID #64707

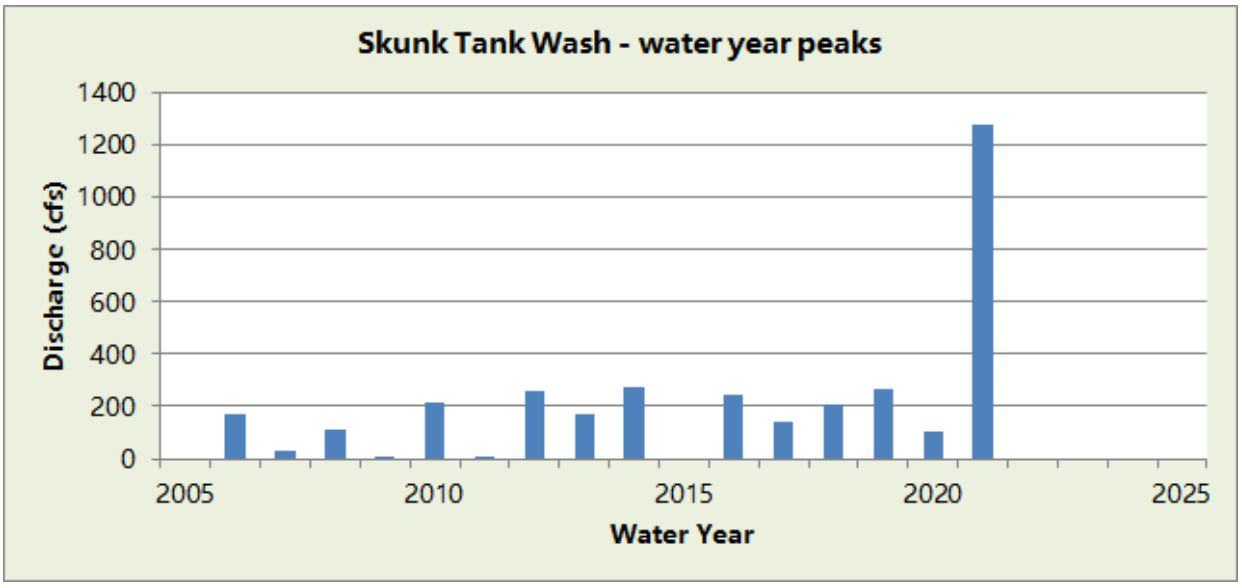


Site Data

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	15.58 Years | 5,692 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	1,278 cfs | 7.63 feet | 07/23/2021

Watershed Map

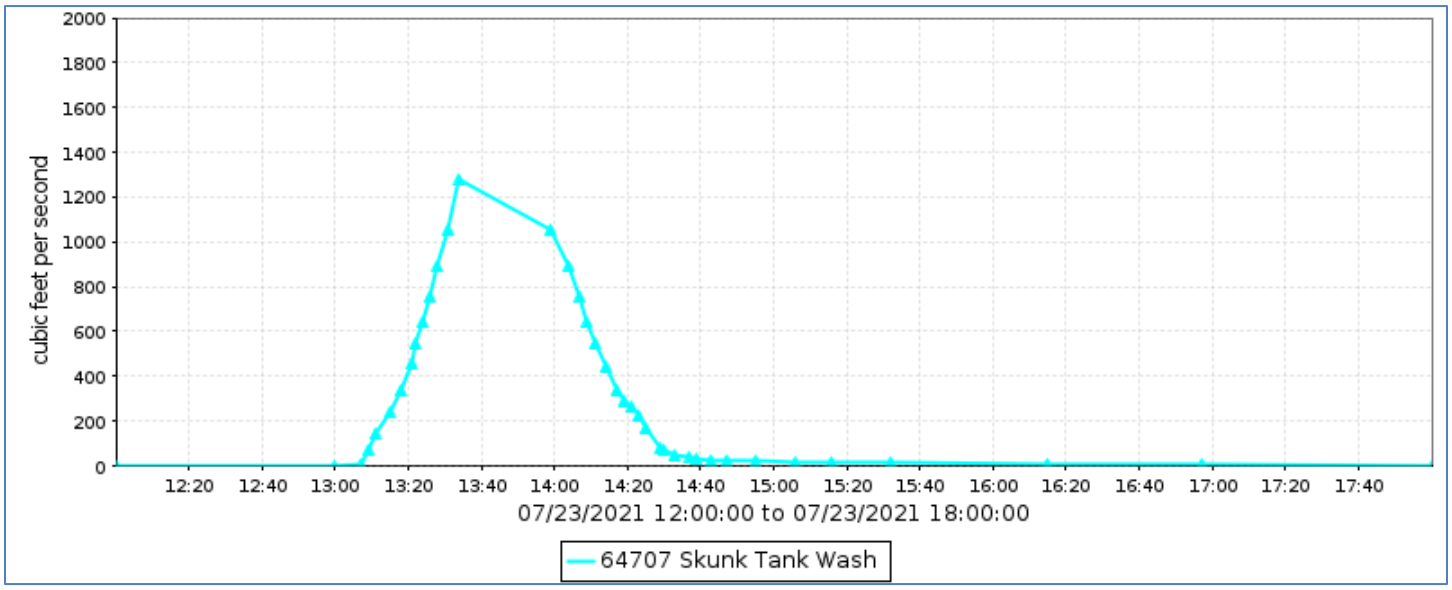




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/23/2021	1.18	14
07/23/2021	7.63	1,278
07/25/2021	5.48	242
08/12/2021	7.44	990
08/13/2021	3.48	104

Hydrograph of peak WY 2021 flow event, 07/23/2021



Flood Flow Frequency

Flood Flow Frequency N=16, HEC-WRC computation (based on 16 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
116	**422**	**694**	**967**	**1,300**	**1,530**

Skunk Tank Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											24	
13											2	
14											2	
15												
16												
17												
18												
19												
20												
21												
22												
23										46		
24												
25										8		
26												
27										1		
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	55	29	0
MEAN	0	0	0	0	0	0	0	0	0	2	1	0
MAX	0	0	0	0	0	0	0	0	0	1278	990	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	109	57	0

WTR YR 2021 TOTAL 84 MEAN 0 MAX 1278 MIN 0 AC_FT 166

Sols Wash at SR71, ID #47707

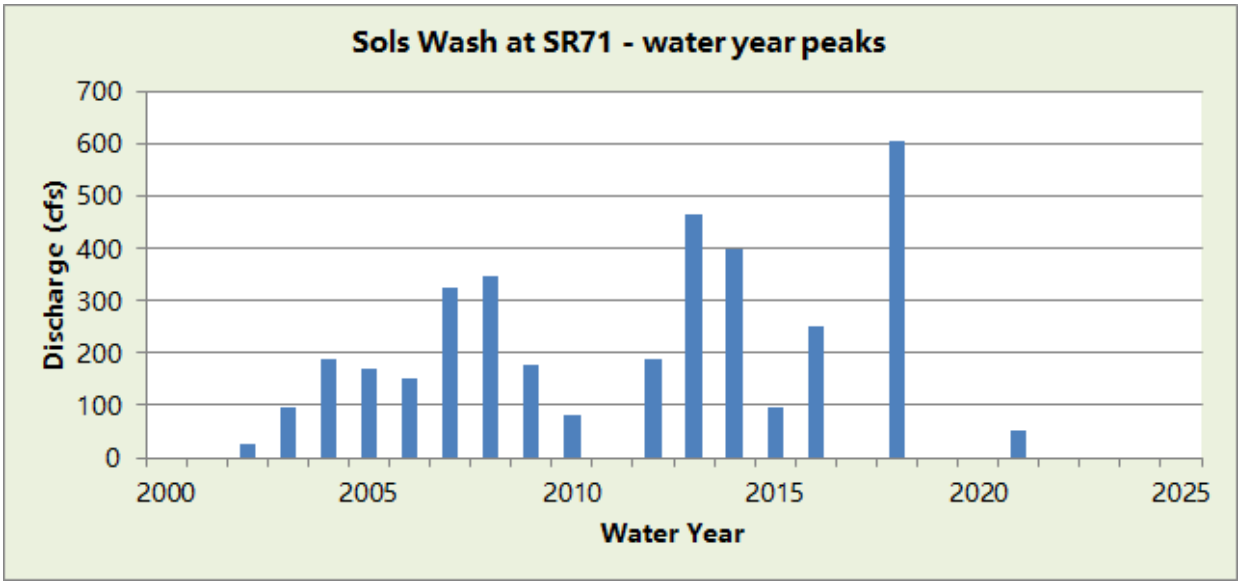


Site Data

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	20.05 Years | 7,324 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

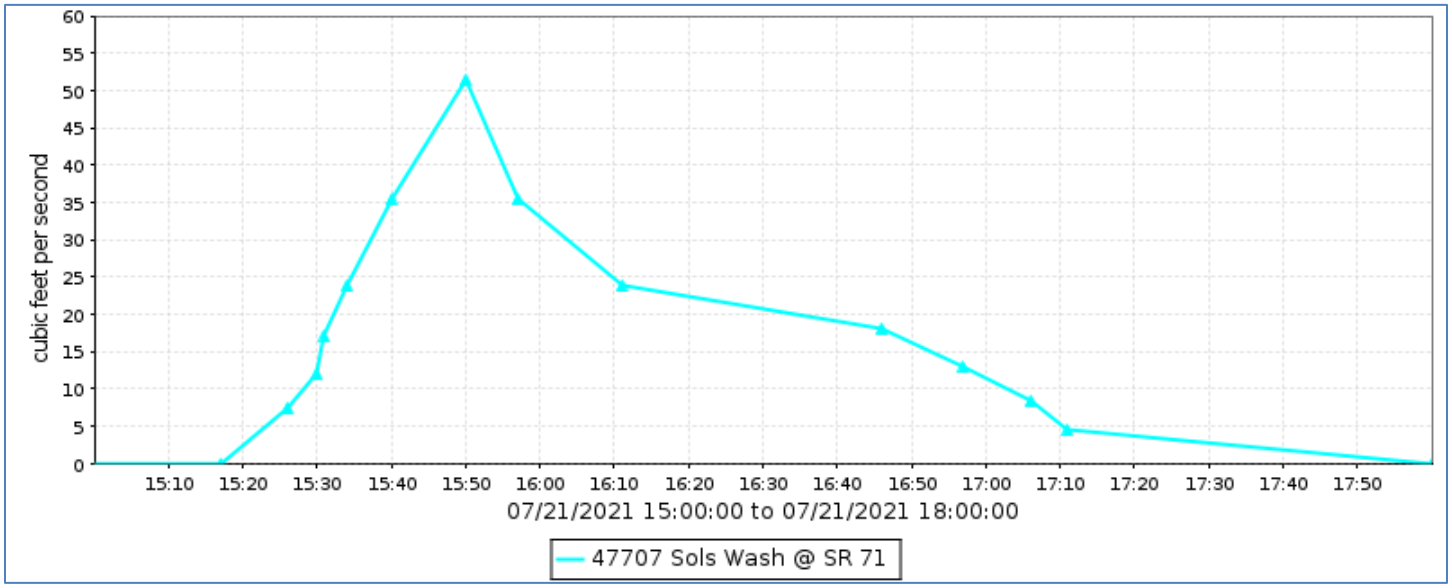




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/21/2021	0.79	51
08/13/2021	0.67	33

Hydrograph of peak WY 2021 flow event, 07/21/2021



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**
139	**345**	**466**	**557**	**639**	**681**

NOTE: These results are based on very limited data.

Sols Wash at SR71, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 3 MEAN 0 MAX 51 MIN 0 AC_FT 6

Sols Tributary at US93, ID #50007

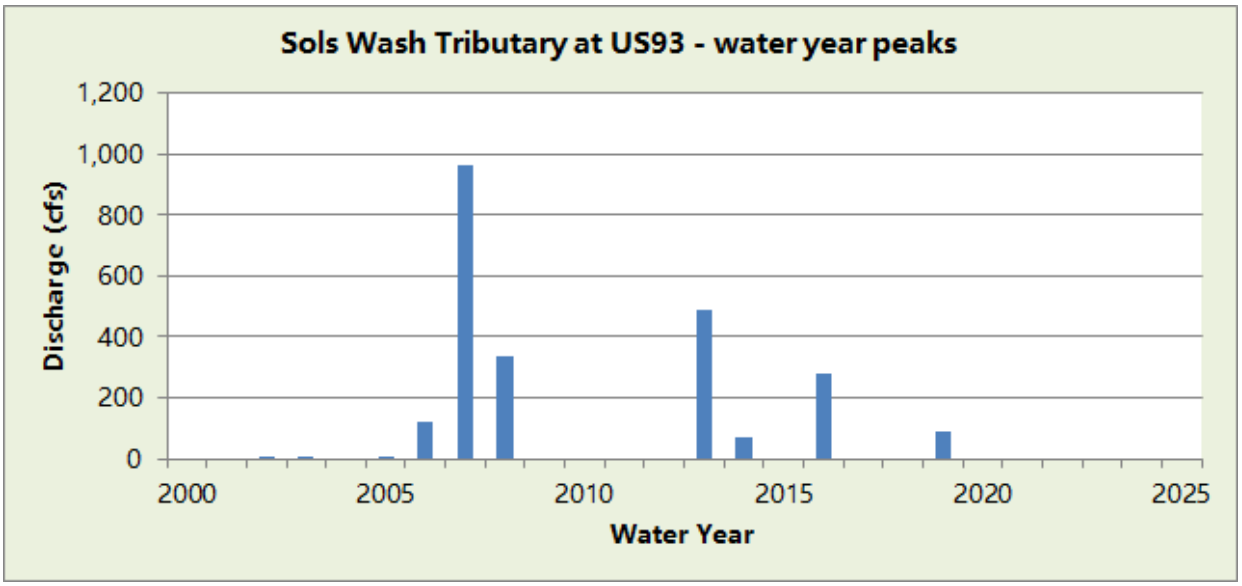


Site Data

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	19.67 Years | 7,184 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

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 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

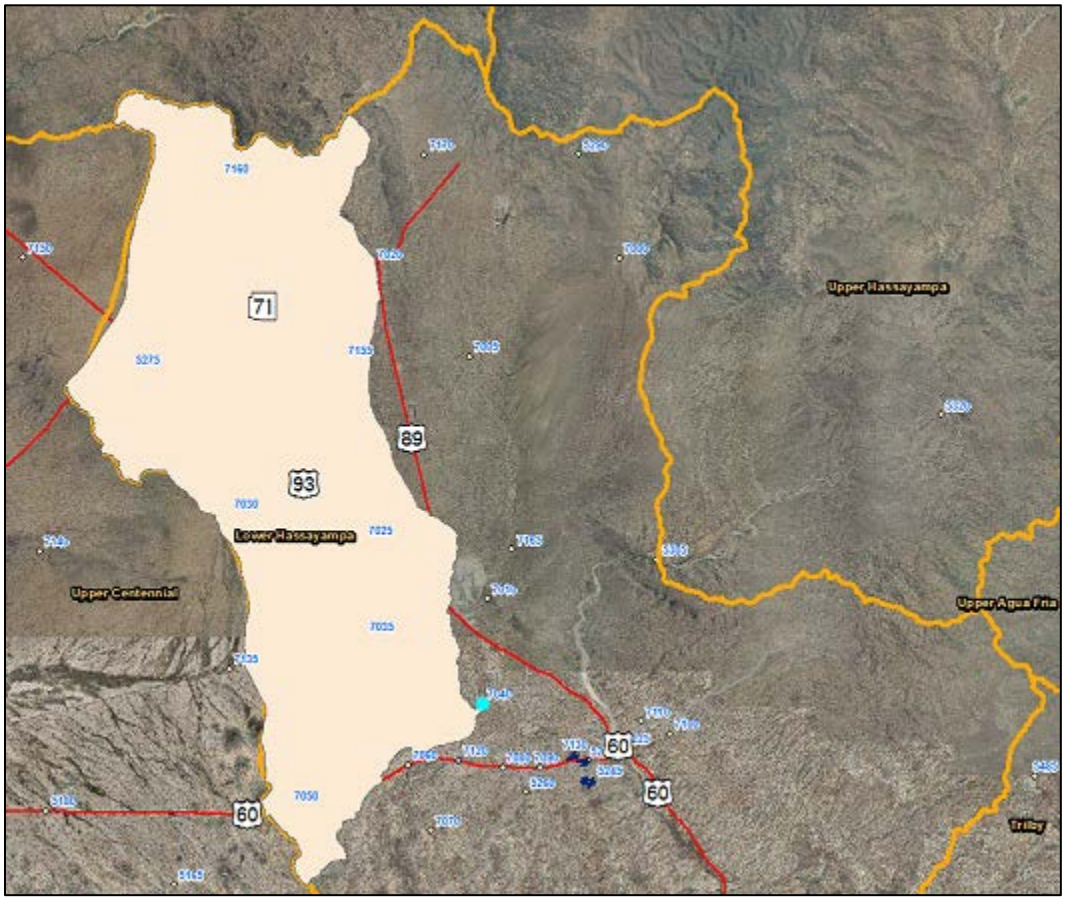
Sols Wash near Matthie, ID #50807

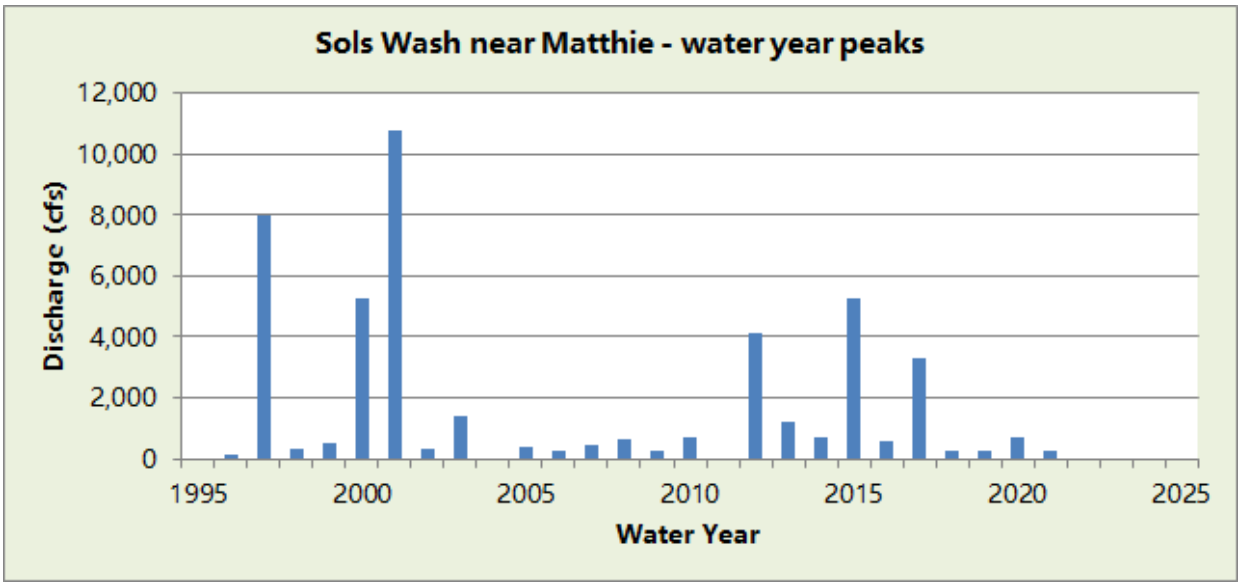


Site Data

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	26.16 Years | 9,555 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





WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/13/2021	1.60	250

Hydrograph of peak WY 2021 flow event,

No hydrograph available for peak 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**
575	**1,930**	**3,960**	**7,490**	**16,100**	**27,700**

NOTE: These results are based on limited data.

Sols Wash near Matthie, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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												
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

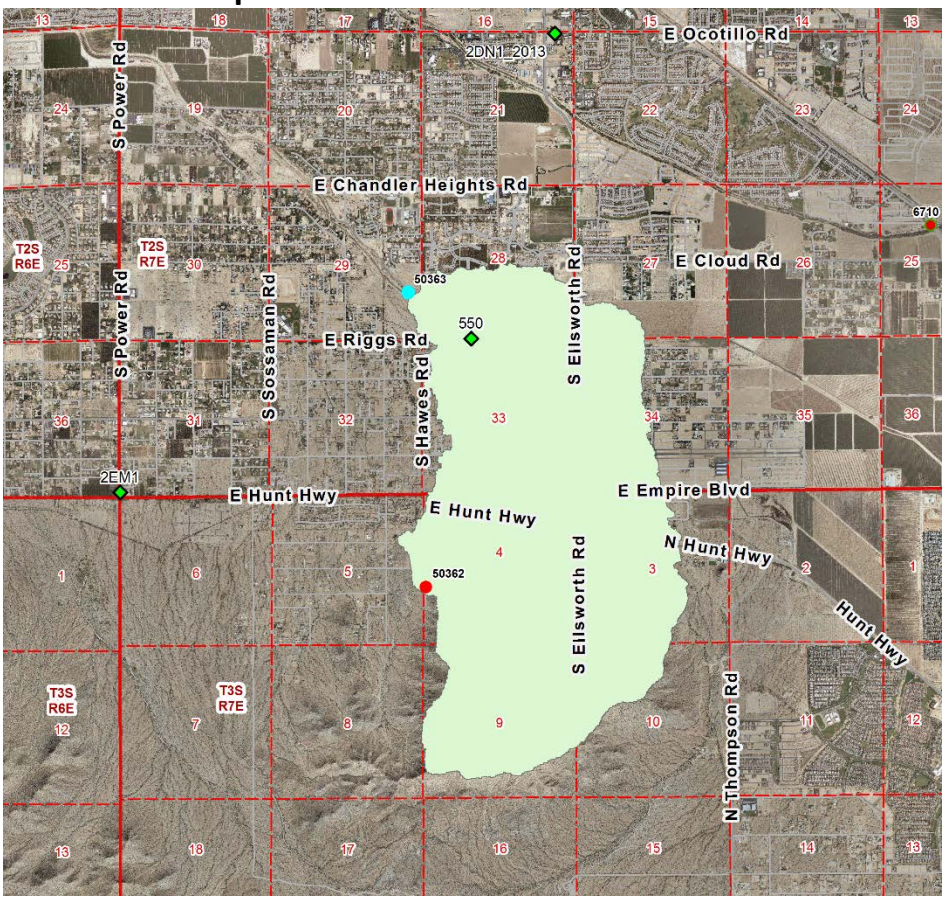
Sonoqui Wash near Hawes Road, ID #36307

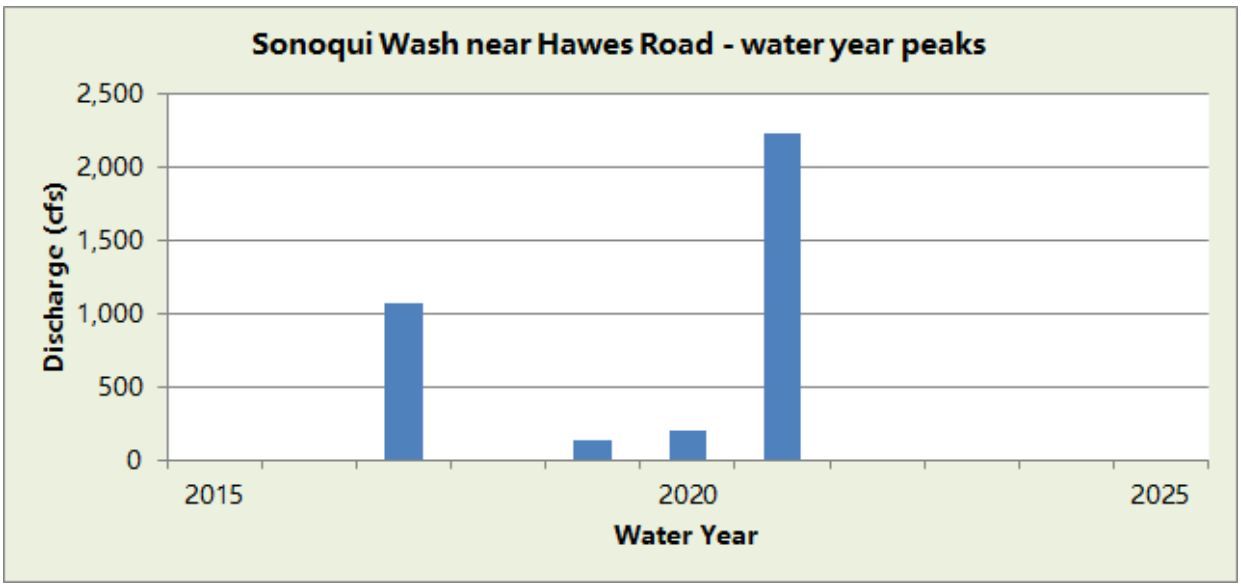


Site Data

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	4.78 Years | 1,745 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	2,237 cfs | 7.10 feet Gage Height | 08/17/2021

Watershed Map

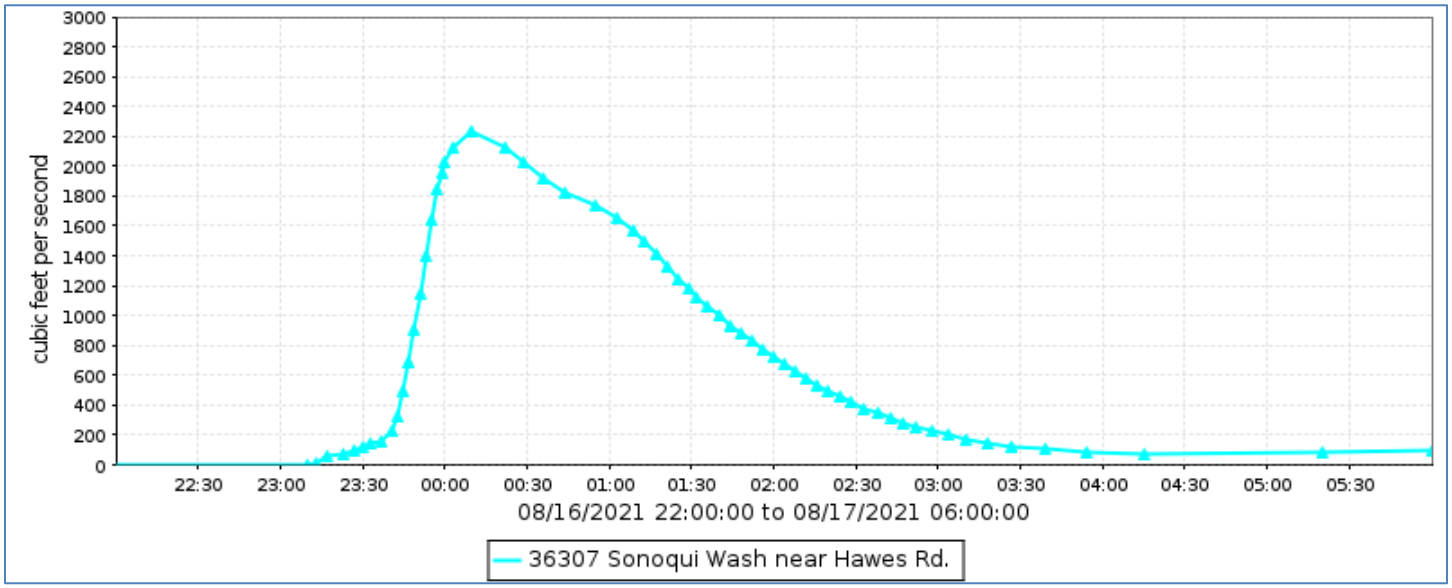




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/10/2021	3.82	490
07/25/2021	4.46	712
08/11/2021	6.70	1,902
08/14/2021	4.26	638
08/17/2021	7.10	2,237
09/01/2021	1.94	66
09/02/2021	4.56	751
09/02/2021	1.81	50

Hydrograph of peak WY 2021 flow event, 08/17/2021



Flood Flow Frequency

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

Sonoqui Wash near Hawes Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	---	
2											---	37
3										---		
4												
5												
6										---	---	
7										---	---	
8											---	
9										---	---	
10										150	---	
11											119	
12										---		
13												
14										---	44	
15										---		
16										---	15	
17										---	188	
18										---		
19												
20										---		
21												
22												
23												
24										---		
25										100		
26												
27												
28												
29					---					---		
30					---					---		
31		---			---		---		---	---		---
TOTAL	0	0	0	0	0	0	0	0	0	107	341	37
MEAN	0	0	0	0	0	0	0	0	0	4	12	1
MAX	0	0	0	0	0	0	0	0	0	712	2237	751
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	213	677	73

WTR YR 2021 TOTAL 486 MEAN 1 MAX 2237 MIN 0 AC_FT 963

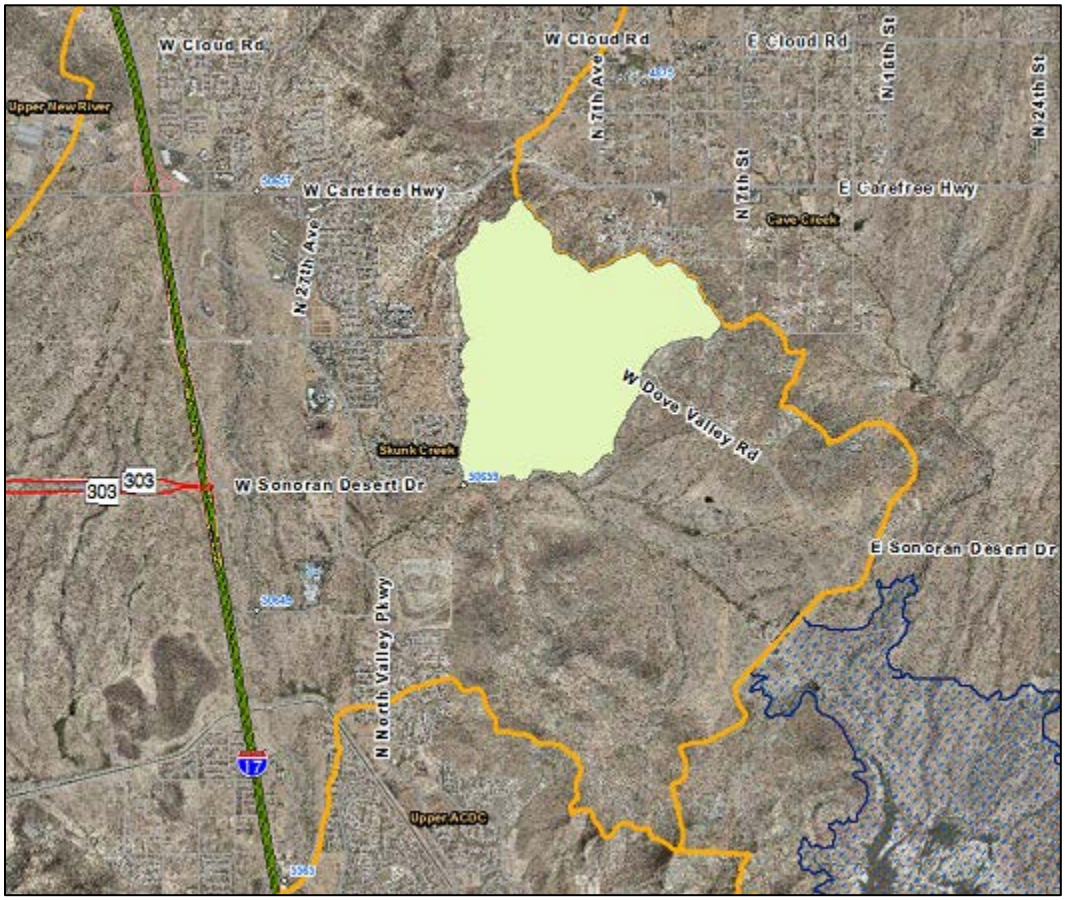
Sonoran Wash, ID #65907

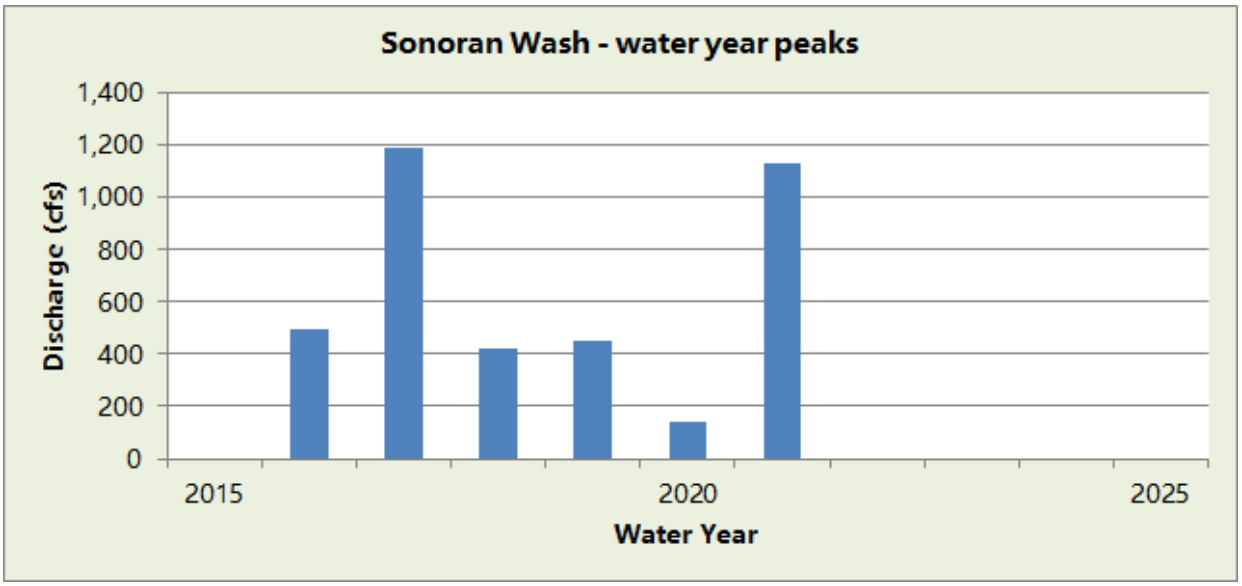


Site Data

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	5.97 Years | 2,180 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	1,131 CFS | 5.72 feet GH | 07/25/2021

Watershed Map

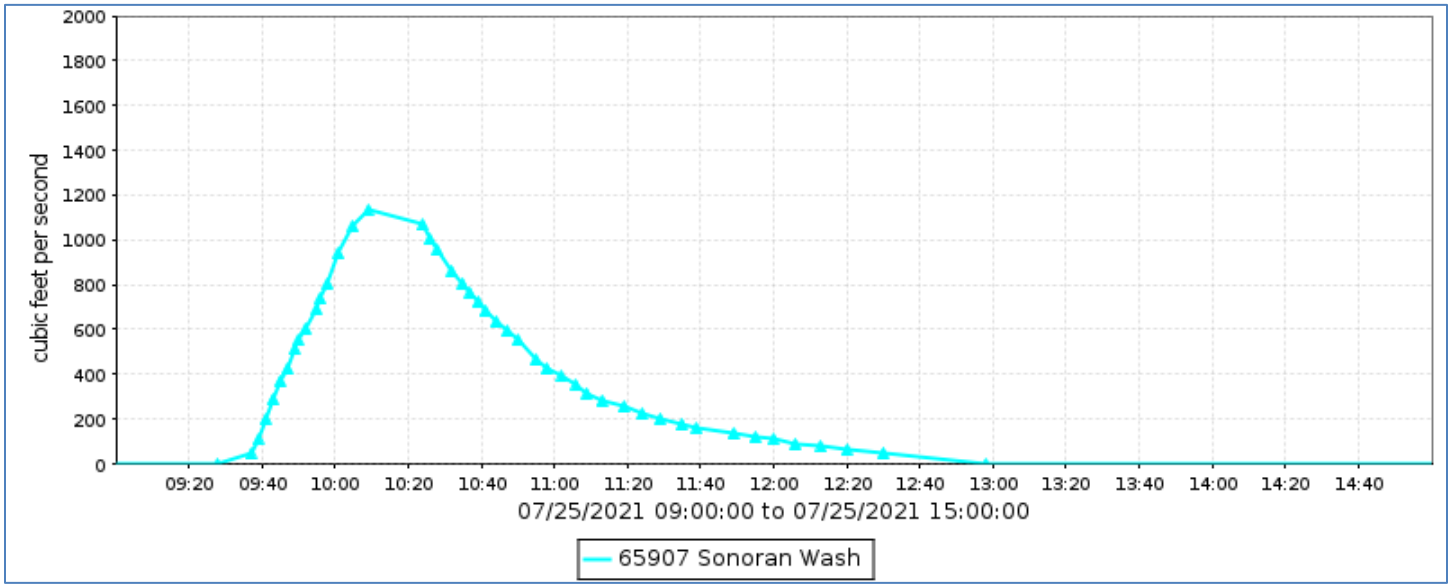




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/23/2021	1.83	79
07/25/2021	5.72	1,131

Hydrograph of peak WY 2021 flow event, 07/25/2021



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 2020 to September 2021

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			5									
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23									3	2		
24												
25										55		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	11	0	0	0	0	0	2	57	0	0
MEAN	0	0	0	0	0	0	0	0	0	2	0	0
MAX	0	0	21	0	0	0	0	0	21	1131	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	21	0	0	0	0	0	4	113	0	0

WTR YR 2021 TOTAL 69 MEAN 0 MAX 1131 MIN 0 AC_FT 138

South Mountain Fan, ID #70507

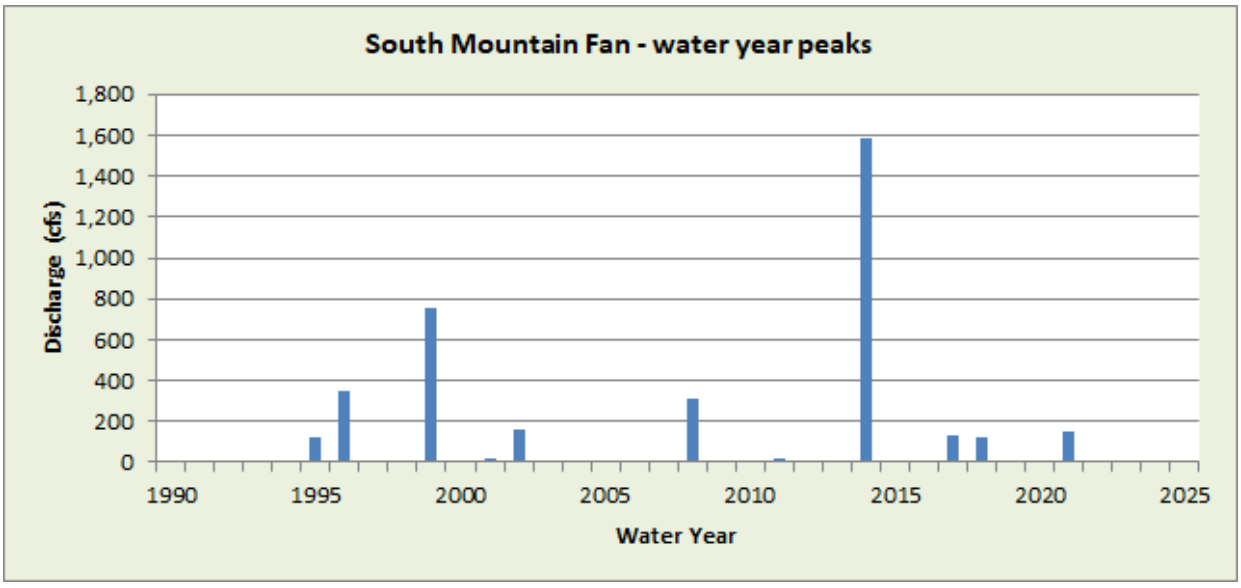


Site Data

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	28.31 Years | 10,341 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





WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
Unknown	2.06	148

NOTE: Peak was recovered from the crest-stage gage.

Hydrograph of peak WY 2021 flow event,

Hydrograph unavailable for event.

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 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

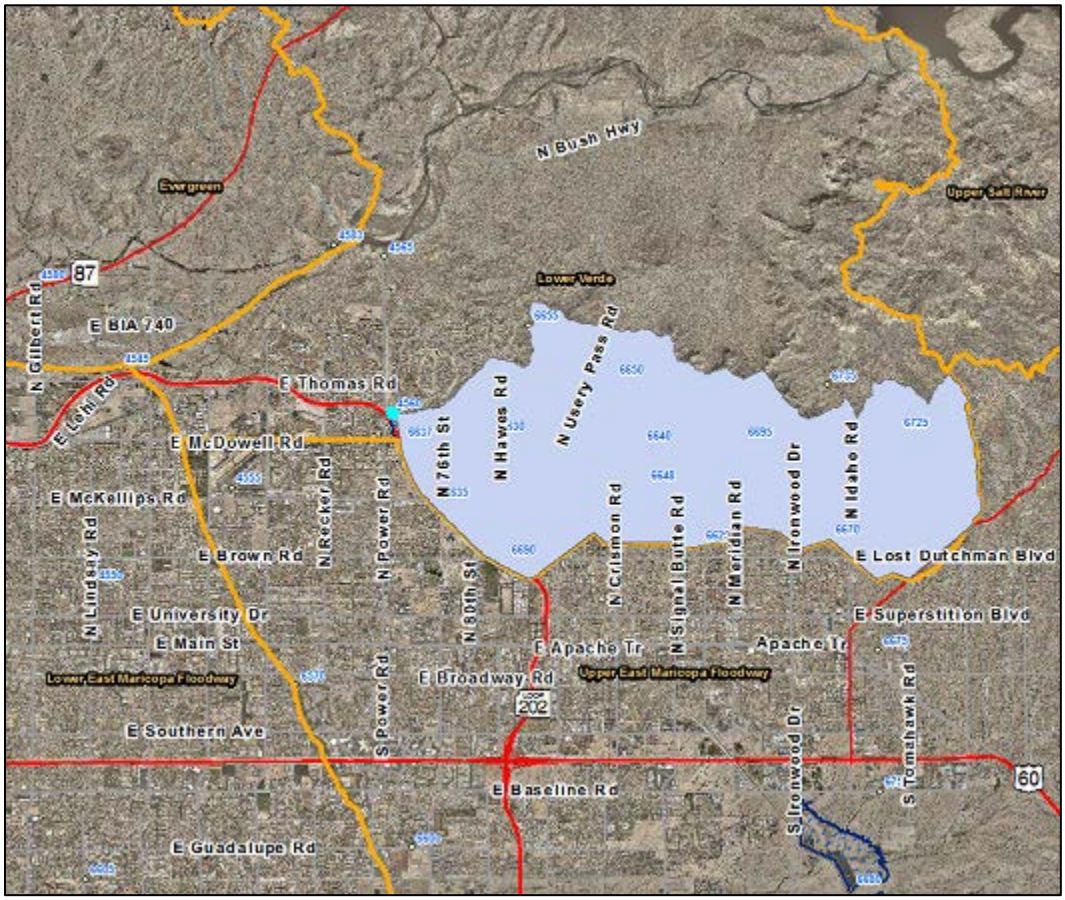
Spookhill FRS, ID #74707

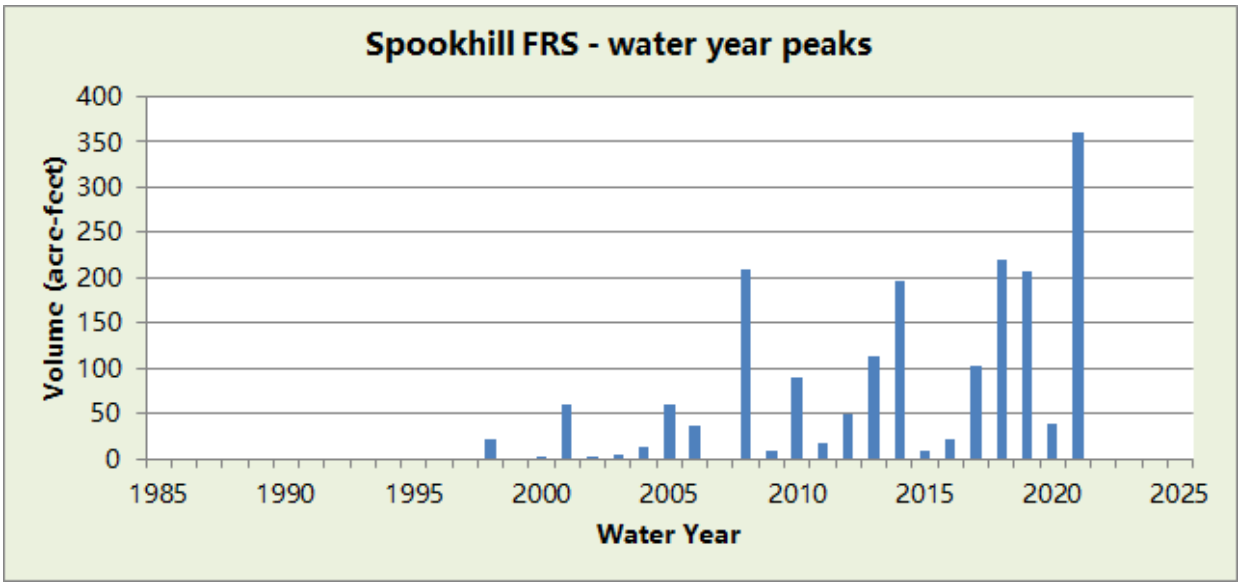


Site Data

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	33.75 Years | 12,329 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

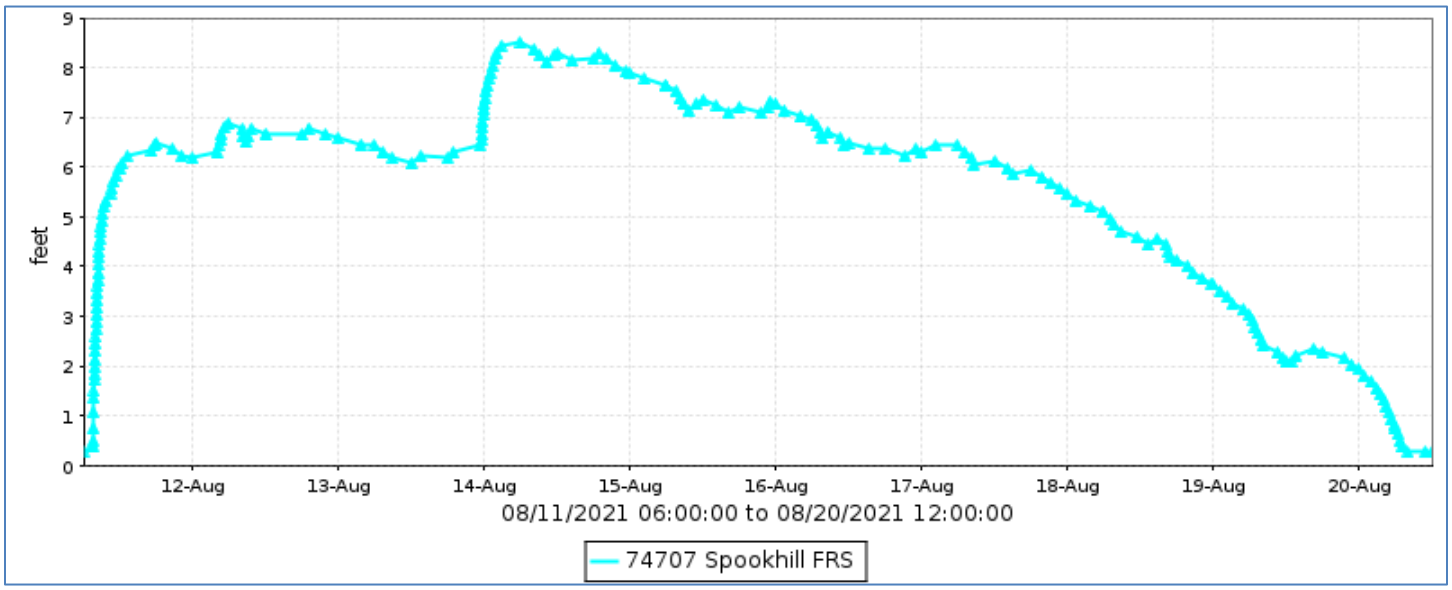




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/26/2021	1.60	0.3	0.0
07/11/2021	1.30	0.0	0.0
07/15/2021	1.97	1.2	0.0
07/24/2021	2.92	9.7	0.3
08/14/2021	8.50	359.7	12.8
09/02/2021	2.44	3.8	0.2

Hydrograph of peak 2021 impoundment event, 08/14/2021



Spookhill FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												24
2												22
3												
4												
5												
6												
7												
8												
9												
10										2		
11										17	32	
12										4	49	
13											48	
14											55	
15										7	52	
16										25	49	
17										23	47	
18										21	42	
19										7	31	
20											6	
21												
22												
23										11		
24										29		
25				4						31		
26				7						29		
27										8		
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	10	0	0	0	0	0	214	411	46
MEAN	0	0	0	0	0	0	0	0	0	7	13	2
MAX	0	0	0	24	0	0	0	0	0	33	56	30
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	21	0	0	0	0	0	424	814	92

WTR YR 2021 TOTAL 681 MEAN 2 MAX 56 MIN 0 AC_FT 1351

Spookhill FRS, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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											81	
12											161	
13											140	
14											331	
15											239	
16										1	165	
17											123	
18											55	
19											7	
20												
21												
22												
23												
24										5		
25										6		
26										3		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	42	0
MAX	0	0	0	0	0	0	0	0	0	10	360	4
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 4 MAX 360 MIN 0

Spookhill FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	1.8
2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.8
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
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	0.4	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.1	4.1	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	6.6	0.3
13	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	6.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	8.2	0.3
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	7.4	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.8	6.6	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.5	6.1	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.2	4.6	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	2.6	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	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	0.9	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.4	0.3	0.3
25	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	2.7	0.3	0.3
26	0.3	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	2.2	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.9	0.4
MAX	0.3	0.3	0.3	1.6	0.3	0.3	0.3	0.3	0.3	2.9	8.5	2.4
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 2021 MEAN 0.47 MAX 8.50 MIN 0.28

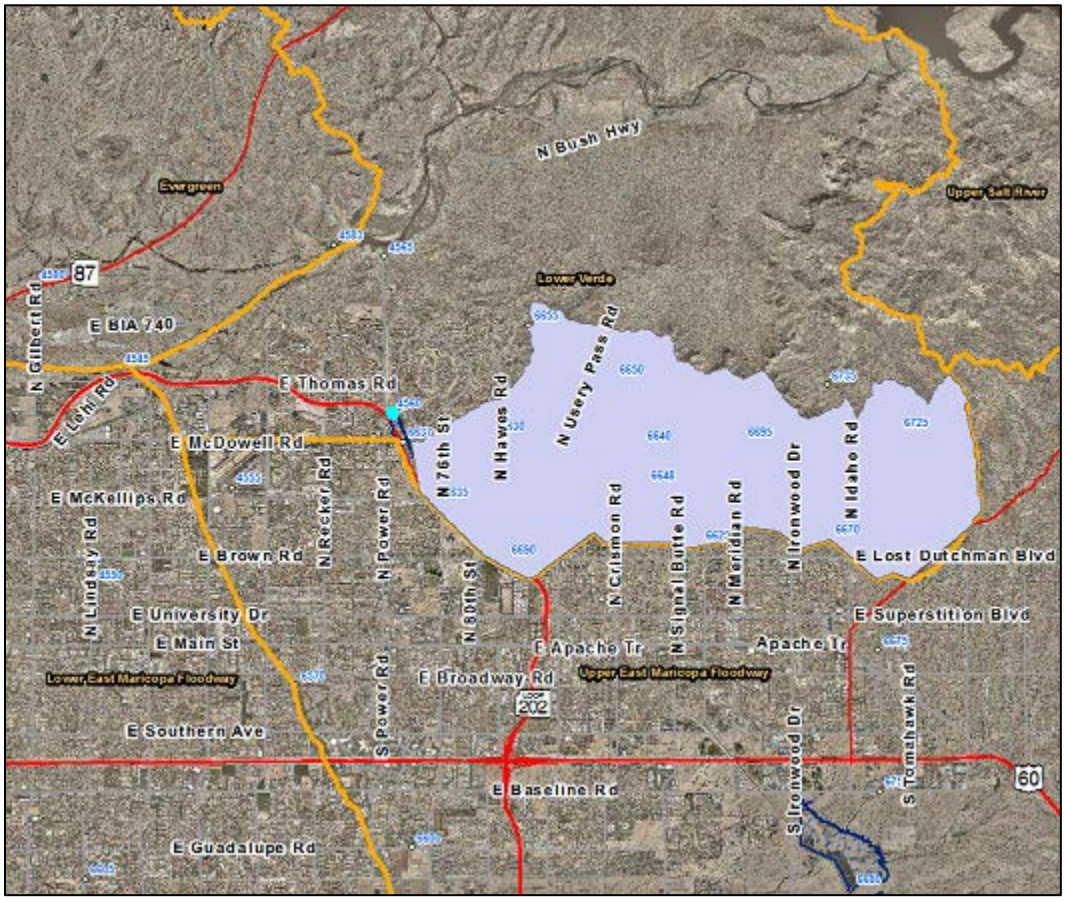
Spookhill FRS at McDowell Road, ID #80007

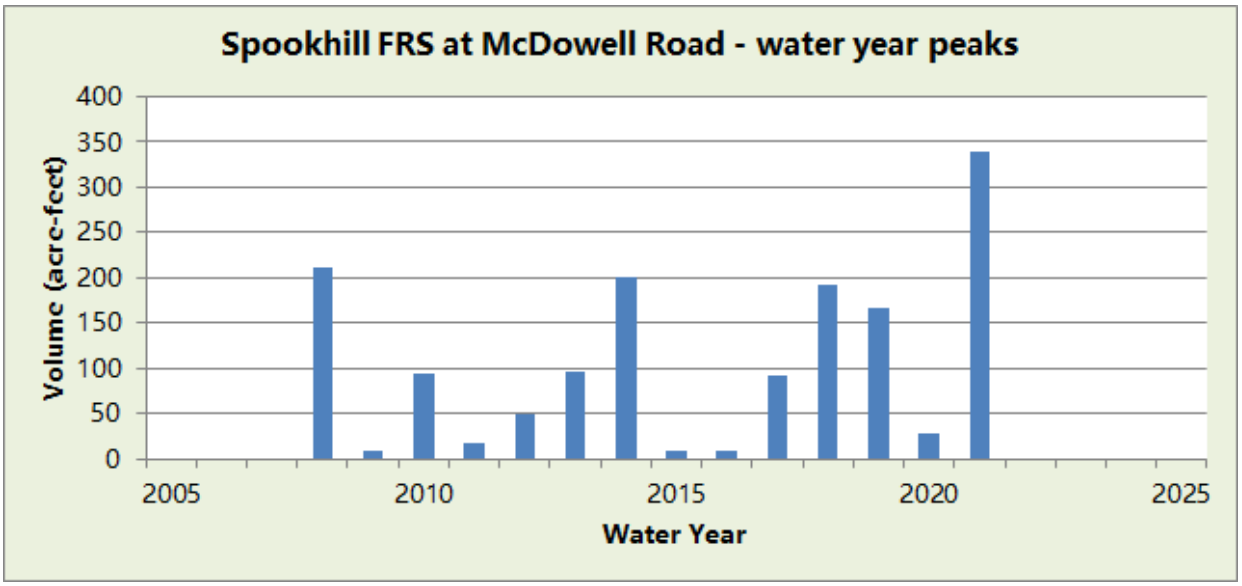


Site Data

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	13.28 Years | 4,852 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

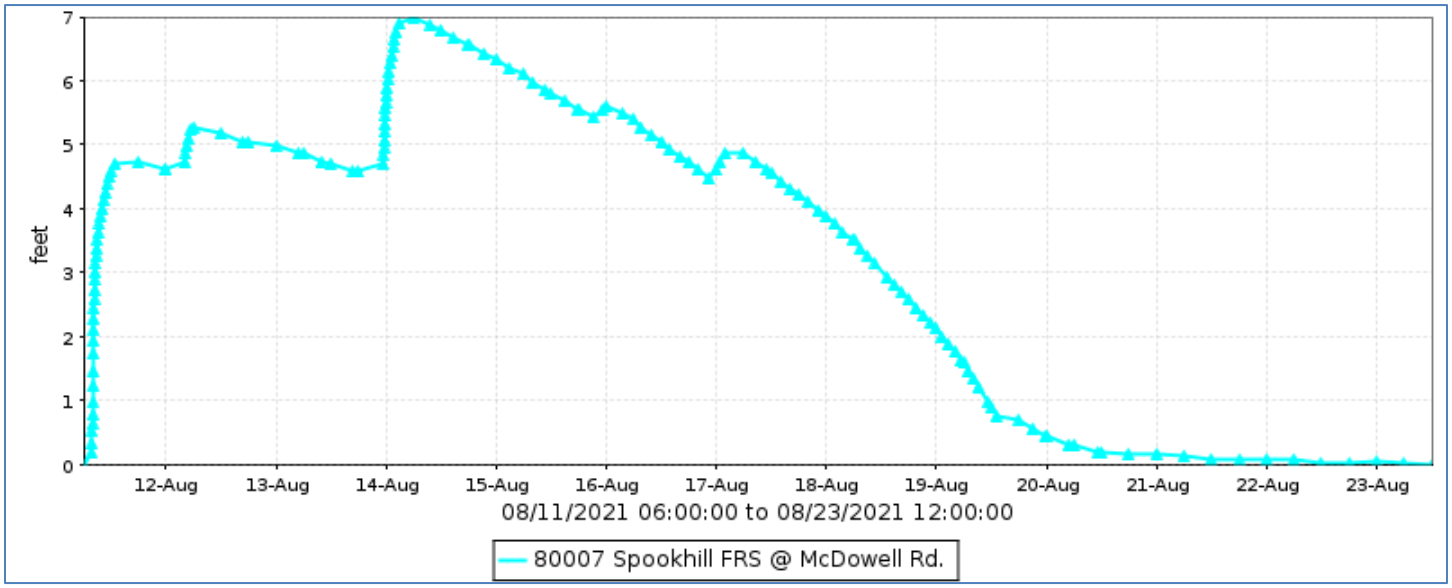




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/25/2021	0.52	1.1	0.0
07/24/2021	1.24	6.4	0.2
08/14/2021	7.00	340.0	7.3
09/02/2021	3.43	60.6	1.8

Hydrograph of peak 2021 impoundment event, 08/14/2021



Spookhill FRS at McDowell Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												19
2												26
3												8
4												
5												
6												
7												
8												
9												
10												
11											31	
12											49	
13											48	
14											54	
15										2	52	
16										8	49	
17										2	47	
18											41	
19											30	
20											9	
21											3	
22											1	
23										7		
24										22		
25				5						30		
26				8						25		
27										8		
28										2		
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	13	0	0	0	0	0	107	414	53
MEAN	0	0	0	0	0	0	0	0	0	3	13	2
MAX	0	0	0	22	0	0	0	0	0	32	56	43
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	26	0	0	0	0	0	213	820	106

WTR YR 2021 TOTAL 587 MEAN 2 MAX 56 MIN 0 AC_FT 1165

Spookhill FRS at McDowell Road, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												1
2												11
3												
4												
5												
6												
7												
8												
9												
10												
11											75	
12											149	
13											129	
14											305	
15											218	
16											153	
17											115	
18											50	
19											7	
20											1	
21												
22												
23												
24										3		
25										5		
26										2		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	39	0
MAX	0	0	0	1	0	0	0	0	0	6	340	61
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 3 MAX 340 MIN 0

Spookhill FRS at McDowell Road, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.5
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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	3.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.1	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
25	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
26	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3	0.1
MAX	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.2	7.0	3.4
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 2021 MEAN 0.12 MAX 7.00 MIN 0.00

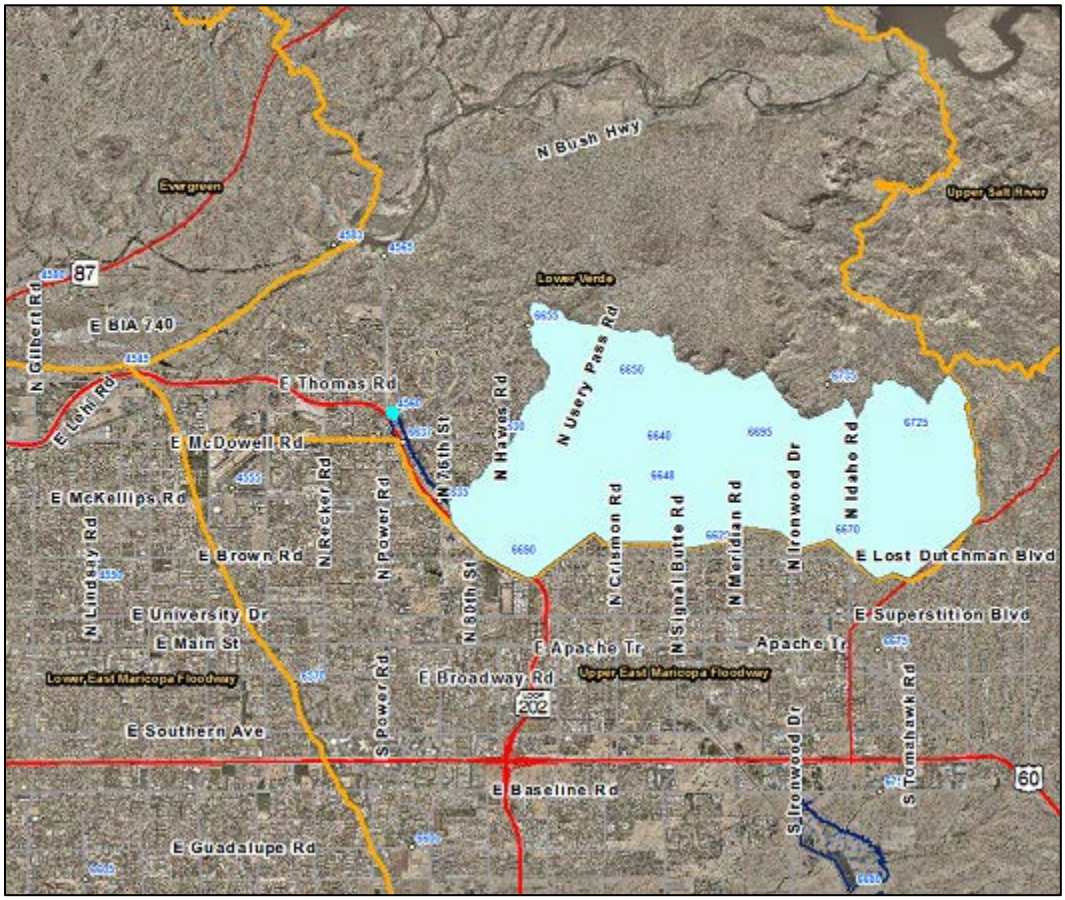
Spookhill FRS at McKellips Road, ID #79807

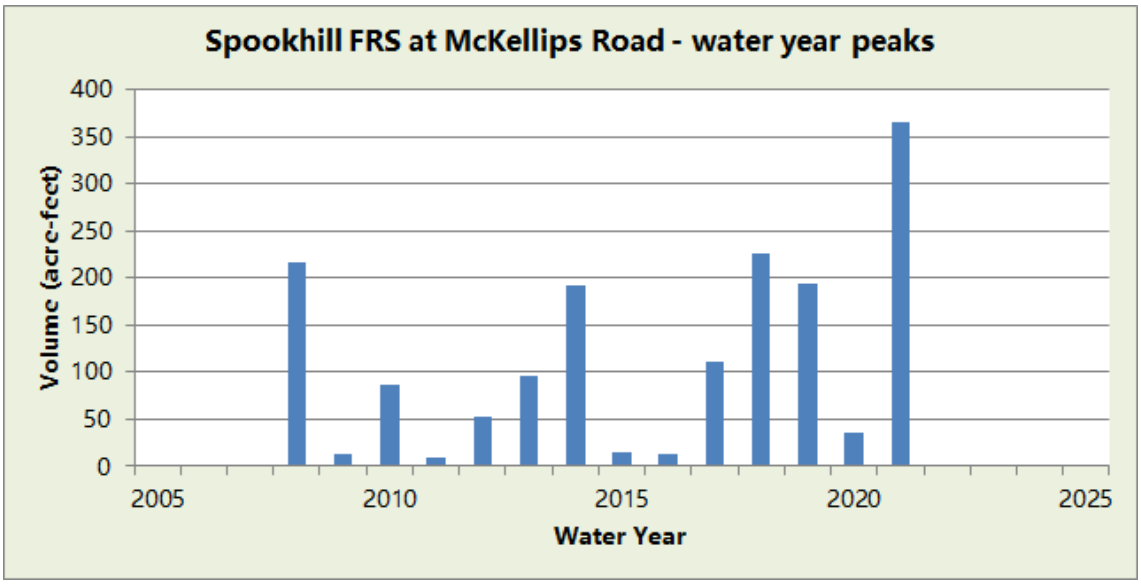


Site Data

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	13.28 Years | 4,852 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

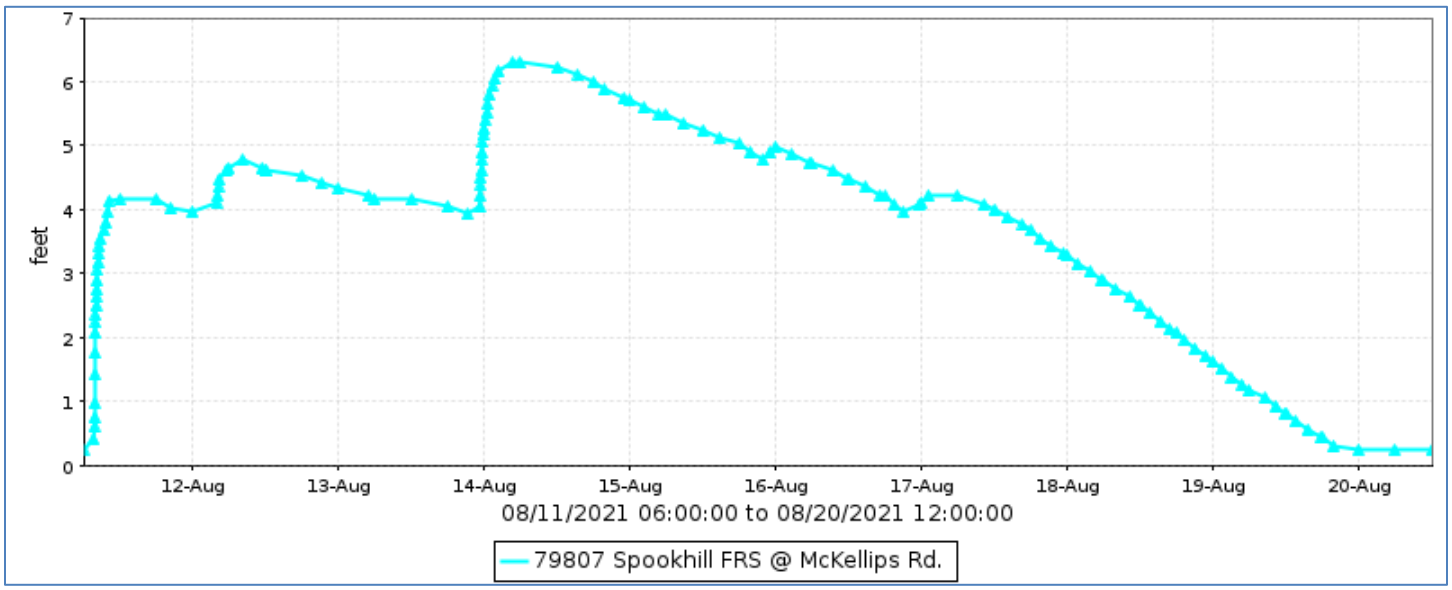




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/25/2021	0.52	1.4	0.2
07/24/2021	1.19	21.0	0.4
08/12/2021	4.78	198.8	4.9
08/14/2021	6.30	364.5	7.9
09/01/2021	1.09	18.9	0.3

Hydrograph of peak 2021 impoundment event, 08/14/2021



Spookhill FRS at McKellips Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												5
2												2
3												
4												
5												
6												
7												
8												
9												
10												
11											32	
12											50	
13											49	
14											56	
15											53	
16											50	
17											48	
18											43	
19											19	
20												
21												
22												
23										1		
24										10	1	
25										4		
26										2		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	16	401	7
MEAN	0	0	0	0	0	0	0	0	0	1	13	0
MAX	0	0	0	5	0	0	0	0	0	30	56	26
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	1	0	0	0	0	0	33	796	15

WTR YR 2021 TOTAL 426 MEAN 1 MAX 56 MIN 0 AC_FT 844

Spookhill FRS at McKellips Road, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												3
2												1
3												
4												
5												
6												
7												
8												
9												
10												
11											94	
12											175	
13											152	
14											341	
15											249	
16											177	
17											136	
18											63	
19											14	
20												
21												
22												
23												
24										8		
25										1		
26										1		
27												
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	45	0
MAX	0	0	0	1	0	0	0	0	0	21	365	19
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 4 MAX 365 MIN 0

Spookhill FRS at McKellips Road, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.5
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	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	2.8	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.5	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	6.1	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5.3	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.5	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.0	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.5	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.3	0.2
25	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.5	0.3	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.3	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	1.3	0.3
MAX	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	1.2	6.3	1.1
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 2021 MEAN 0.34 MAX 6.30 MIN 0.25

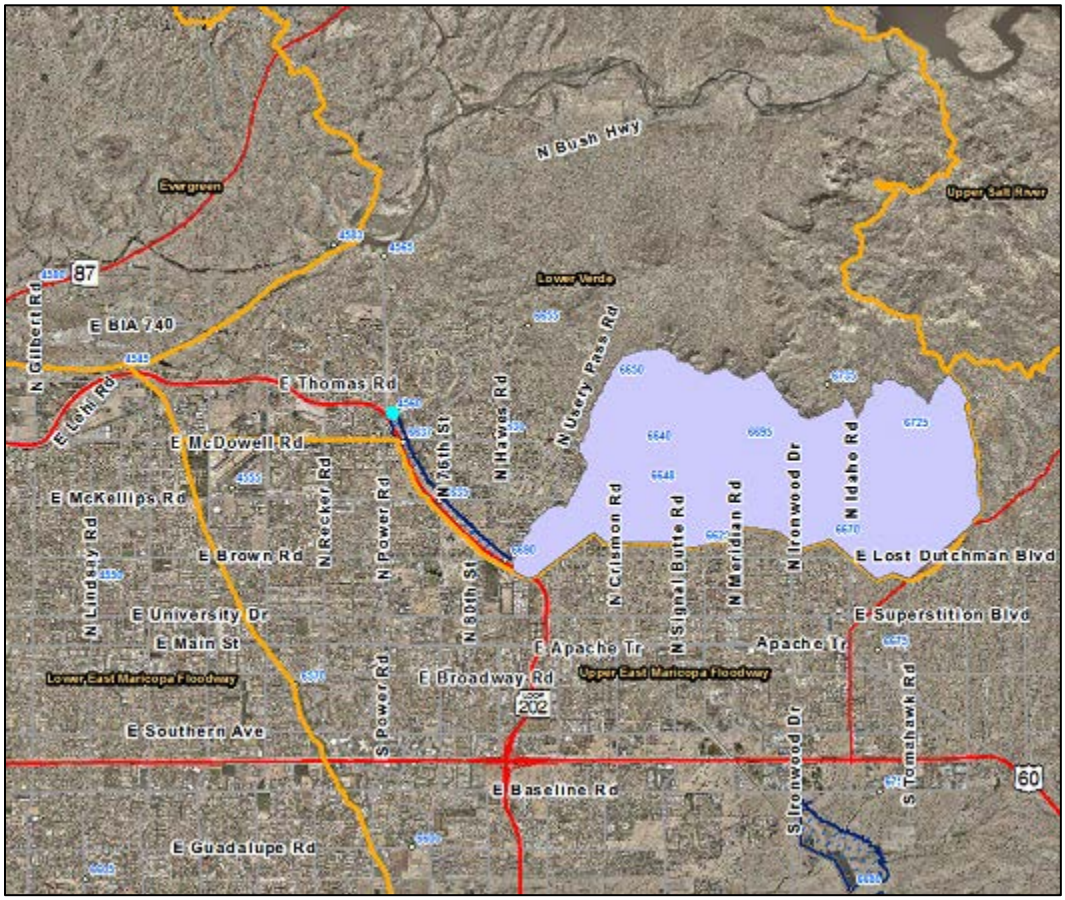
Spookhill FRS at Brown Road, ID #81507

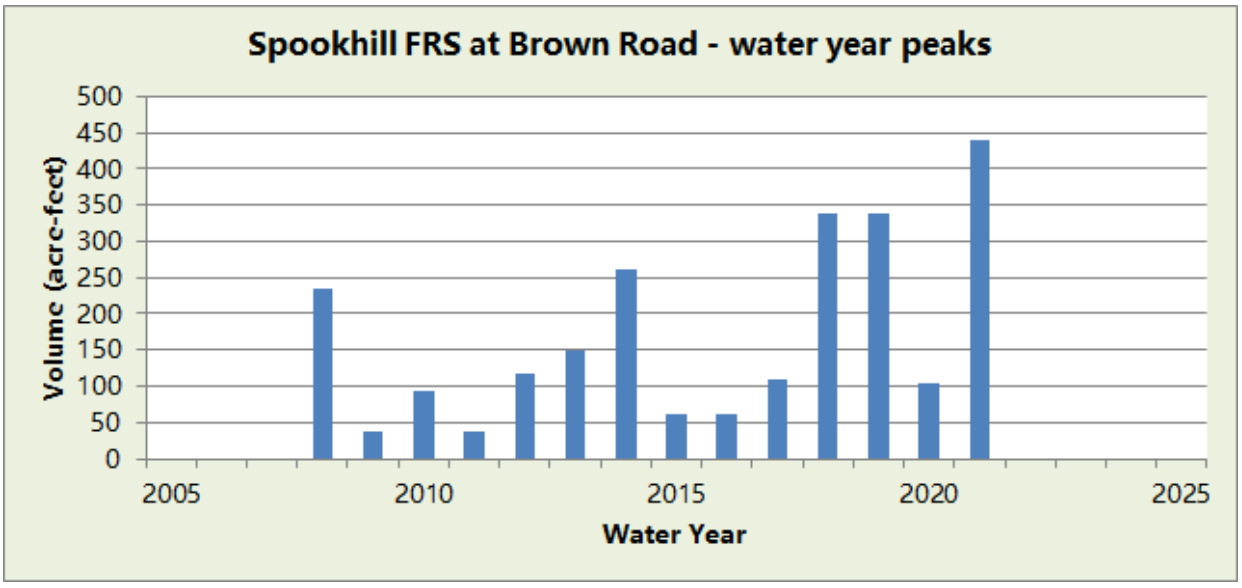


Site Data

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	13.33 Years | 4,867 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

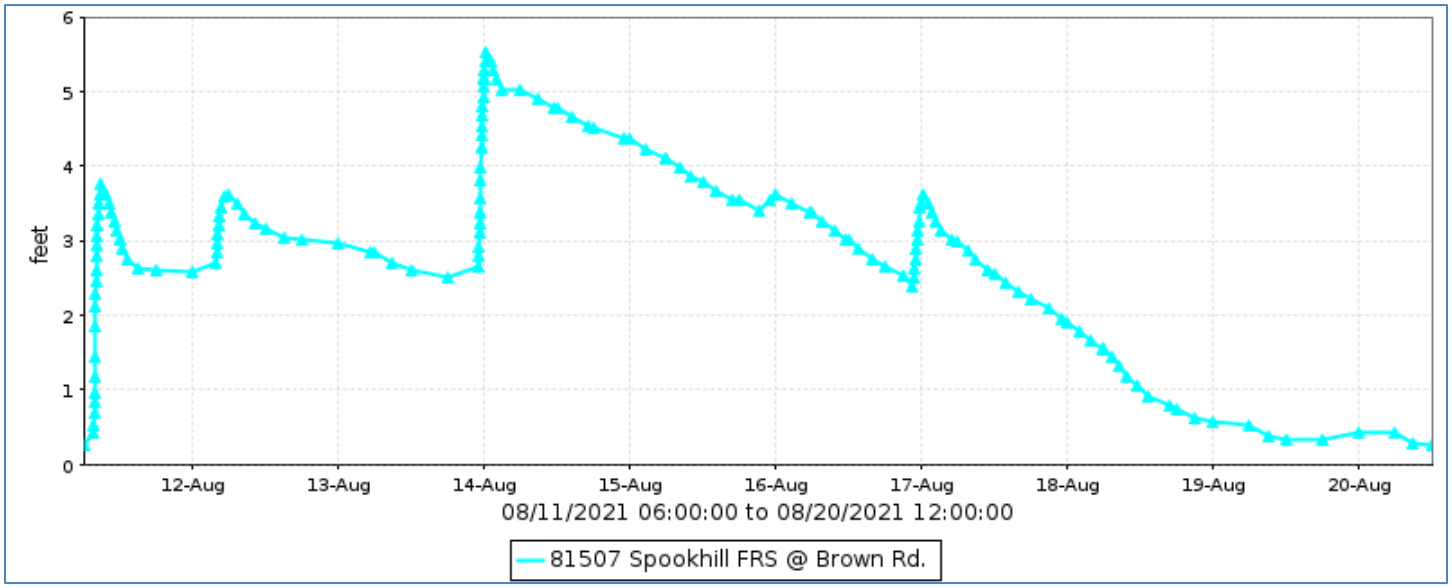




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/24/2021	1.09	59.0	1.6
08/11/2021	3.76	231.9	5.4
08/14/2021	5.53	439.2	10.1
08/17/2021	3.63	218.9	5.2

Hydrograph of peak 2021 impoundment event, 08/14/2021



Spookhill FRS at Brown Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												42
2												43
3												41
4												28
5											1	15
6												8
7												22
8												41
9												20
10												1
11											33	
12											50	
13											49	
14											56	
15											53	
16											50	
17											48	
18											45	
19											36	
20											15	
21											9	
22											1	
23										23	26	
24										37	38	
25										35	25	
26										14	15	
27											8	
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	109	557	261
MEAN	0	0	0	0	0	0	0	0	0	4	18	9
MAX	0	0	0	0	0	0	0	0	0	45	58	44
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	217	1105	517

WTR YR 2021 TOTAL 927 MEAN 3 MAX 58 MIN 0 AC_FT 1839

Spookhill FRS at Brown Road, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												45
2												46
3												38
4												19
5												13
6												2
7												20
8												38
9												15
10												
11											104	
12											173	
13											149	
14											351	
15											243	
16											173	
17											142	
18											65	
19											24	
20											13	
21											4	
22												
23										20	24	
24										29	29	
25										28	18	
26										13	13	
27											2	
28												
29					---							
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	3	49	8
MAX	0	0	0	0	0	0	0	0	0	59	439	53
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 5 MAX 439 MIN 0

Spookhill FRS at Brown Road, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.7
2	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	0.3	0.5
4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
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	0.4
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
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	2.0	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.1	0.3
13	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.8	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	4.8	0.3
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.9	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.1	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.7	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.2	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	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	0.4	0.4	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	0.3
MAX	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.1	5.5	0.9
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

WTR YR 2021 MEAN 0.34 MAX 5.53 MIN 0.27

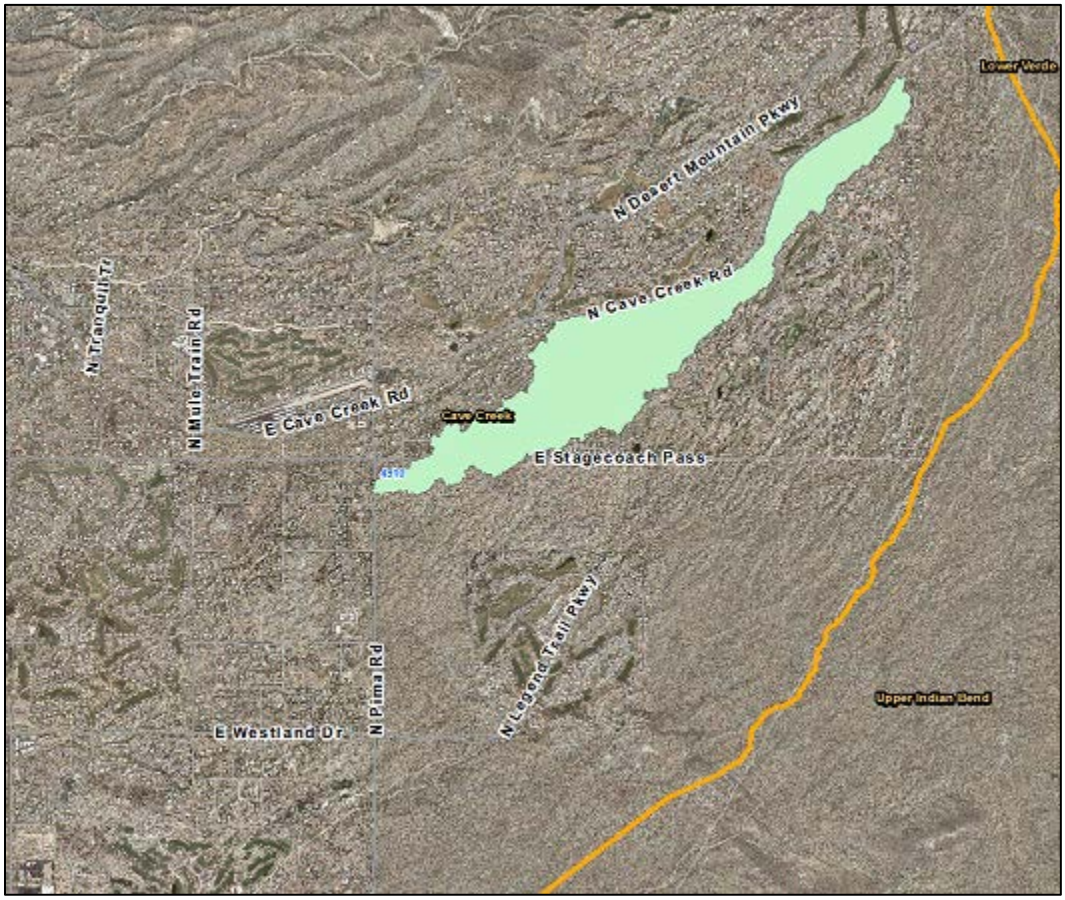
Stagecoach Wash, ID #20007

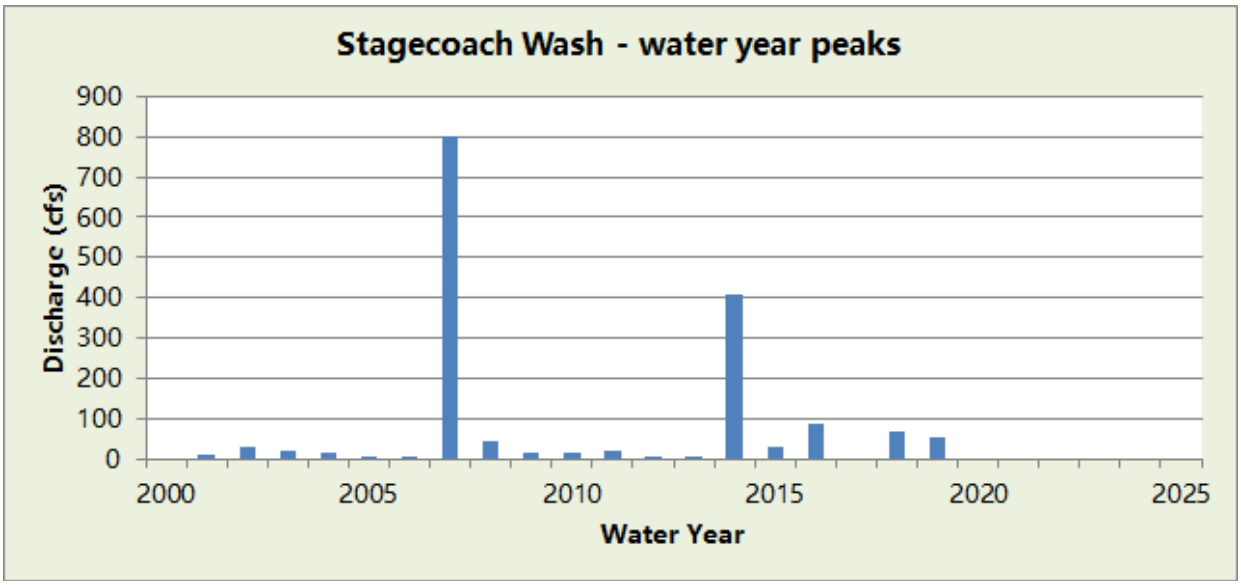


Site Data

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	20.30 Years | 7,415 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

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**
13	**54**	**133**	**306**	**852**	**1,780**

Stagecoach Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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	8	3	0	0	1	3	7	6	7	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	16	7	0	0	2	5	13	13	14	17	17	16

WTR YR 2021 TOTAL 60 MEAN 0 MAX 0 MIN 0 AC_FT 119

Stoneridge Dam, ID #77307

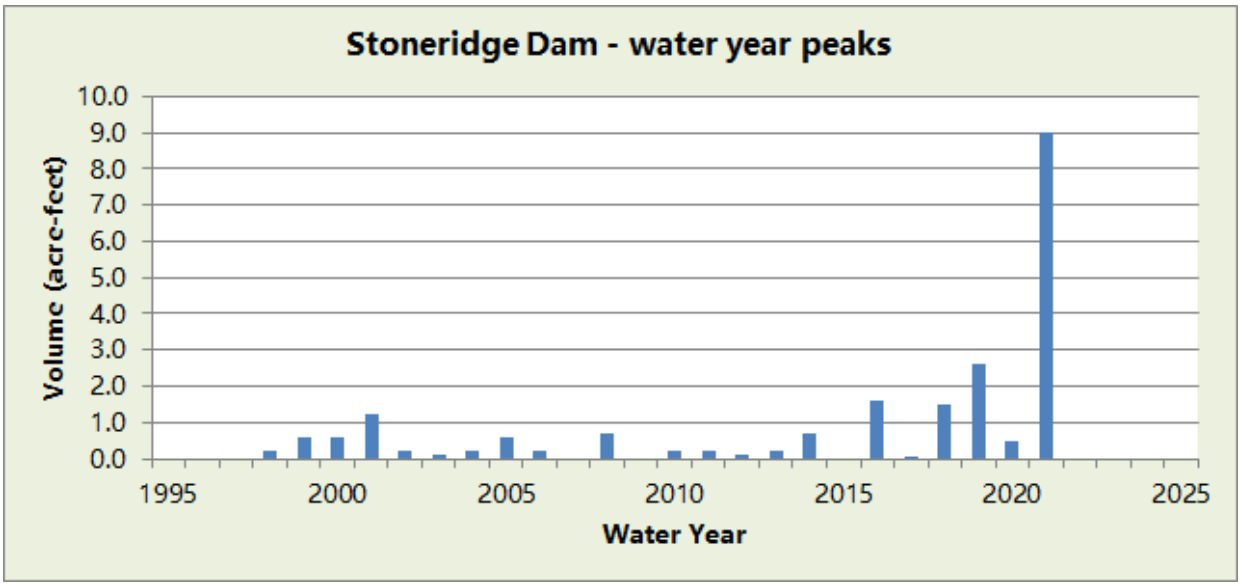


Site Data

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	24.80 Years | 9,060 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

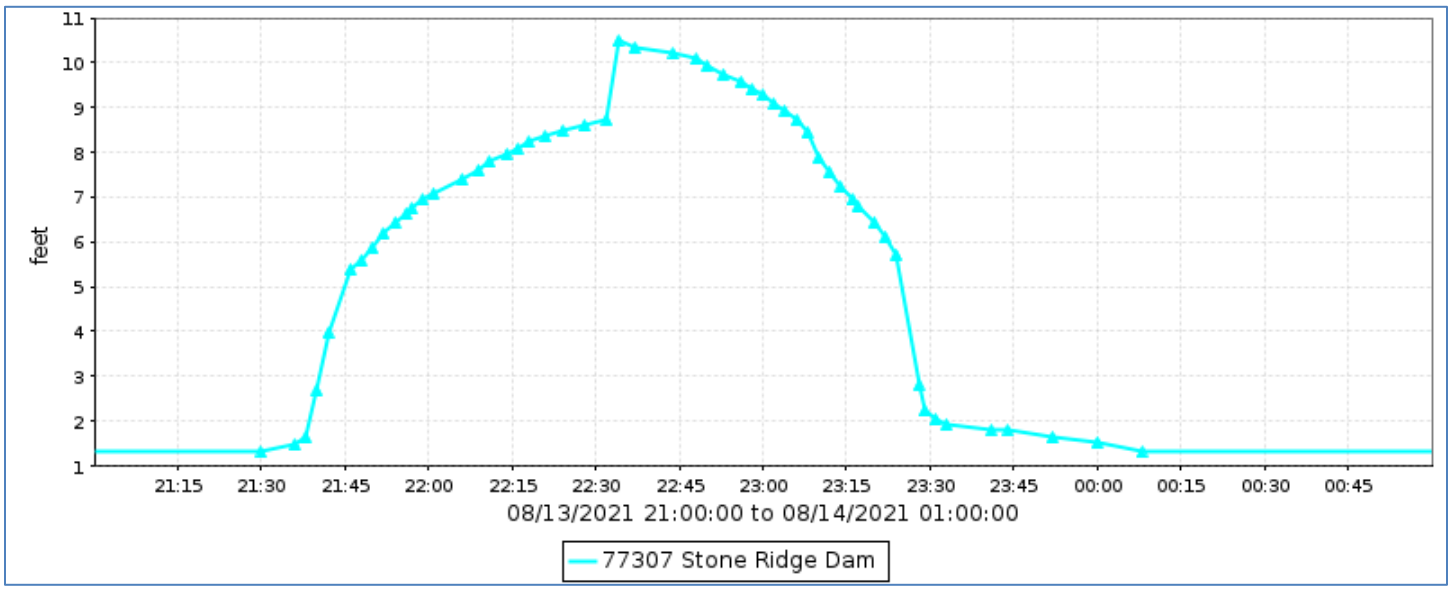




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/23/2021	1.95	0.2	0.3
08/11/2021	3.87	0.5	0.8
08/11/2021	7.09	2.1	3.4
08/13/2021	10.48	9.0	13.6
08/16/2021	2.28	0.2	0.4

Hydrograph of peak 2021 impoundment event, 08/13/2021



Stoneridge Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 23 MEAN 0 MAX 71 MIN 0 AC_FT 46

Stoneridge Dam, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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	9	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 9 MIN 0

Stoneridge Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	1.3
8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
10	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
11	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	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	1.8	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	0.0	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
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	1.3	1.3	1.3	1.3	1.3	1.9	10.5	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 2021 MEAN 1.30 MAX 10.48 MIN 1.30

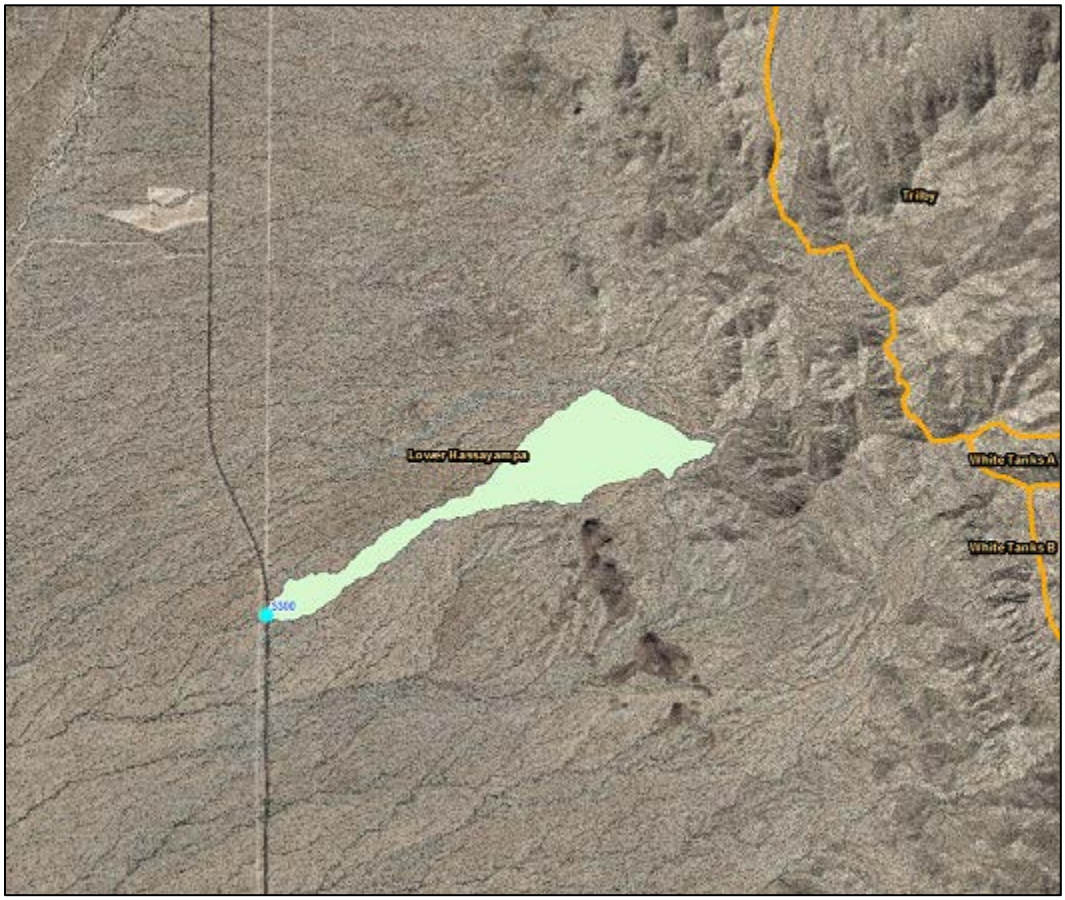
Sun Valley Parkway at Northern Avenue, ID #48307

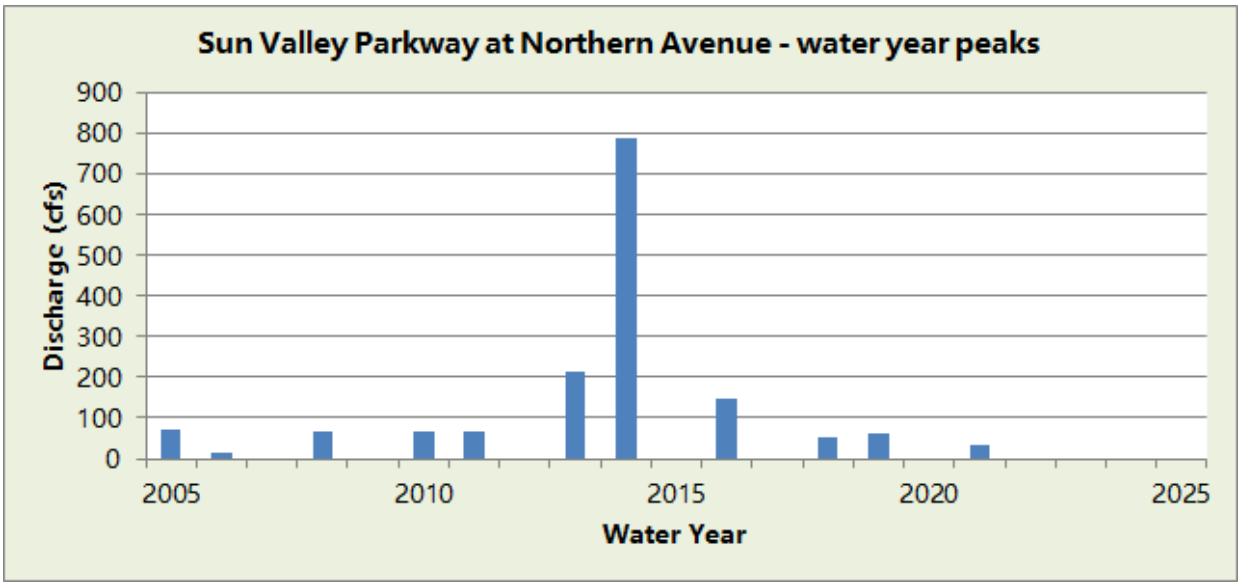


Site Data

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	16.16 Years | 5,904 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

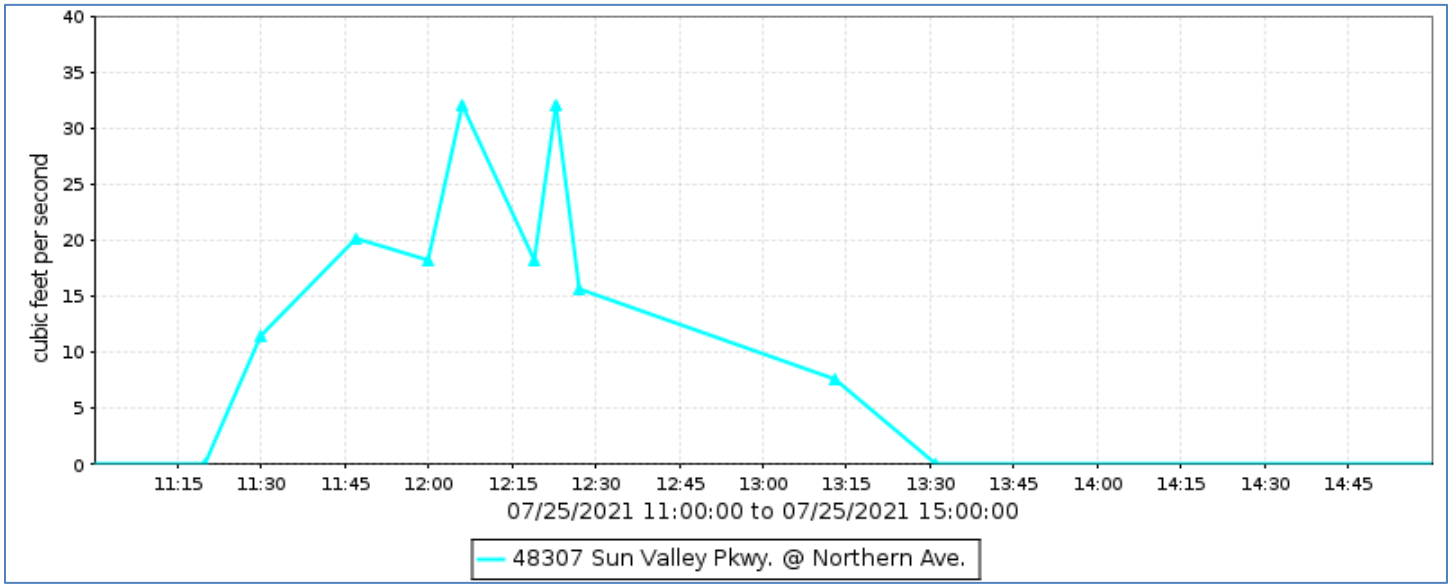




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/25/2021	0.39	32

Hydrograph of peak WY 2021 flow event, 07/25/2021



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 2020 to September 2021

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										1		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	32	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	3	0	0

WTR YR 2021 TOTAL 1 MEAN 0 MAX 32 MIN 0 AC_FT 3

Sunnycove FRS, ID #46507

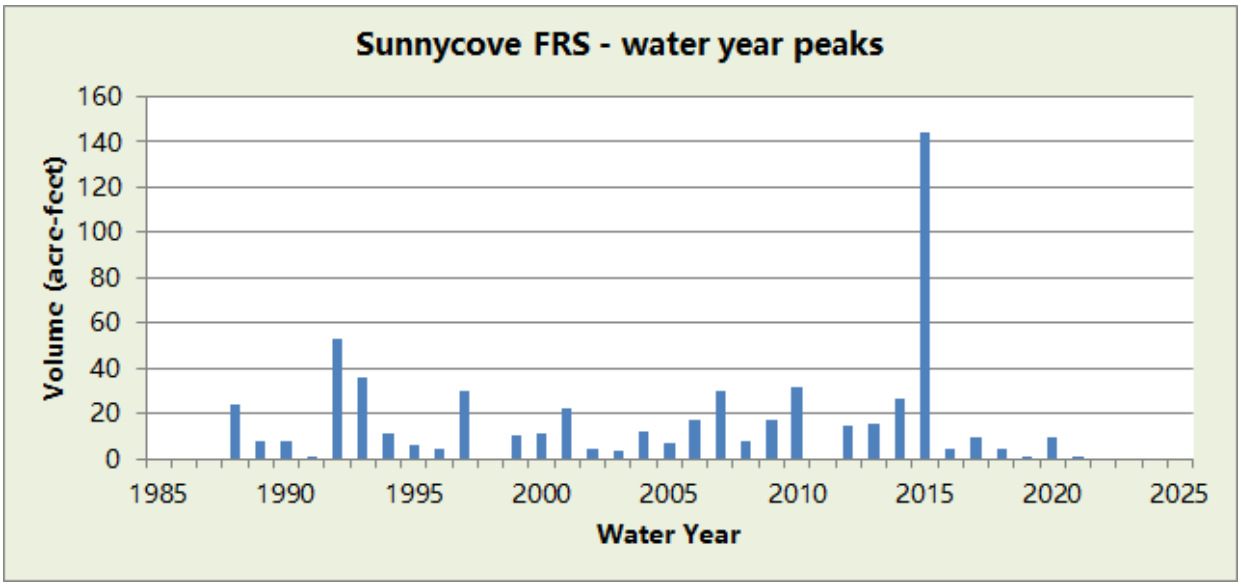


Site Data

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	32.79 Years | 11,977 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

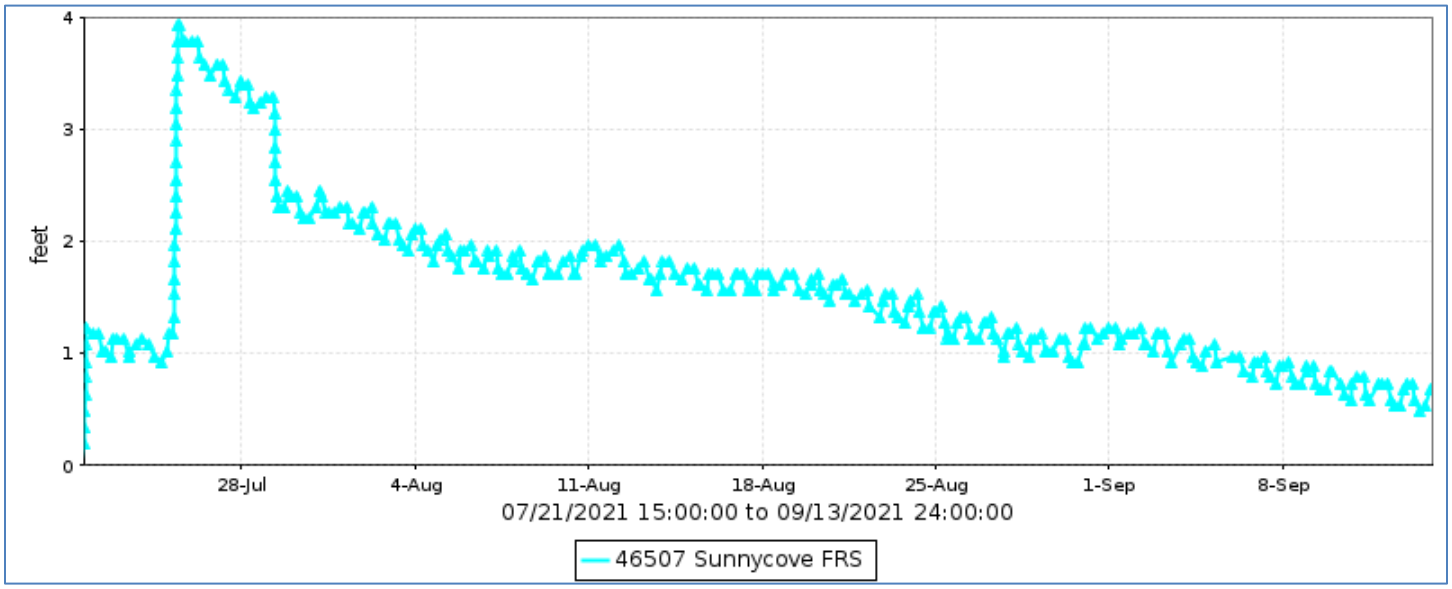




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/24/2021	2.00	0.2	0.1
07/25/2021	3.93	0.8	0.4

Hydrograph of peak 2021 impoundment event, 07/25/2021



Sunnycove FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Sunnycove FRS, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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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16												
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20												
21												
22												
23												
24												
25				---						1		
26				---						1		
27										1		
28										1		
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	1	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 1 MIN 0

Sunnycove FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.1
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.9
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.9
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.8
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.7
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.7
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.6
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.6
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.6
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.5
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.5
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.5
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.4
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.4
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5	0.3
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.5	0.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.4	0.2
24	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.3	0.1
25	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	2.8	1.3	0.0
26	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	3.6	1.2	0.0
27	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	3.4	1.2	0.0
28	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	3.3	1.1	0.0
29	0.0	0.0	0.0	0.7	---	0.0	0.0	0.0	0.0	2.7	1.1	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	2.3	1.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.3	1.2	---
MEAN	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.5
MAX	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.9	2.3	1.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0

WTR YR 2021 MEAN 0.26 MAX 3.93 MIN 0.00

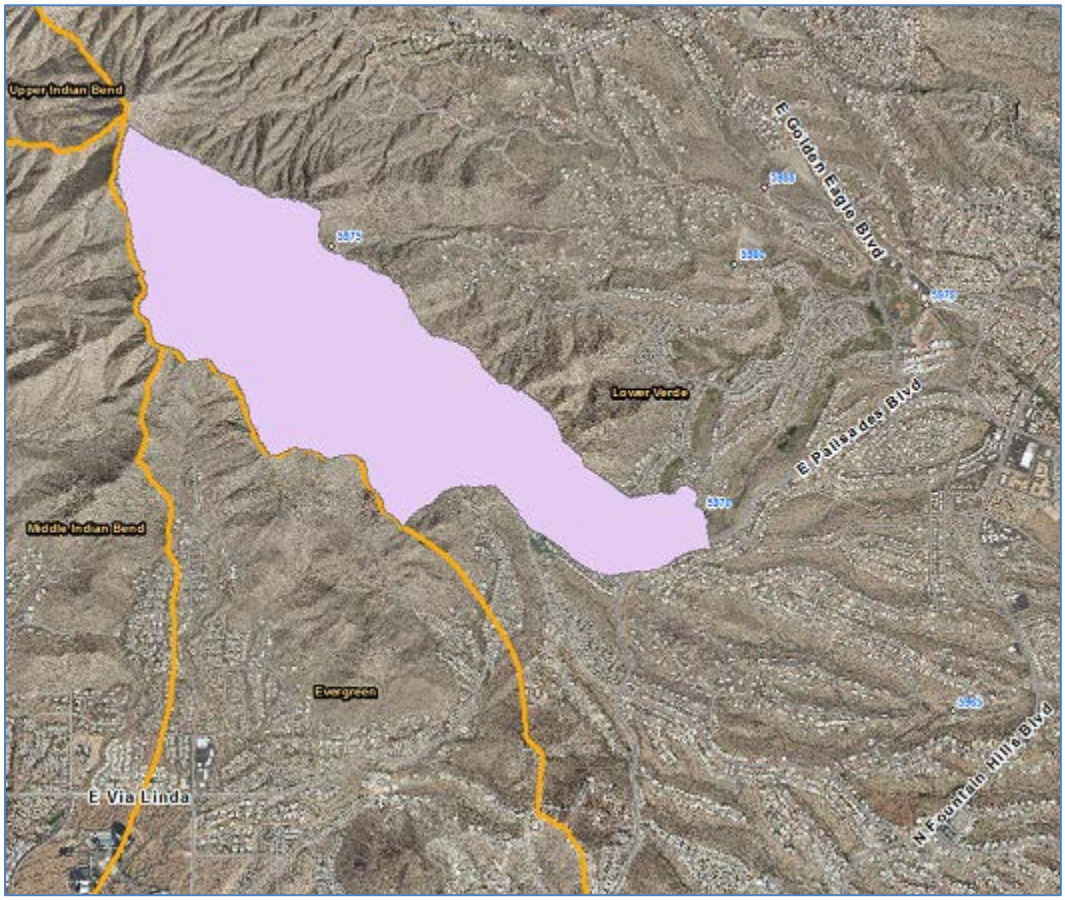
Sunridge Canyon Dam, ID #77507

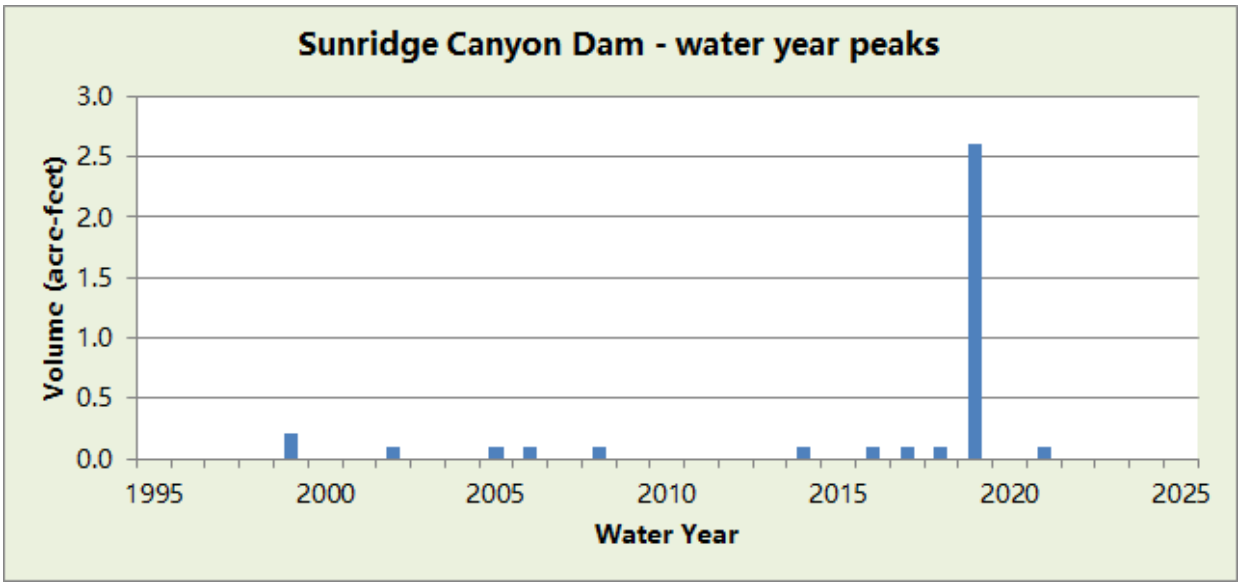


Site Data

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	24.65 Years | 9,005 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

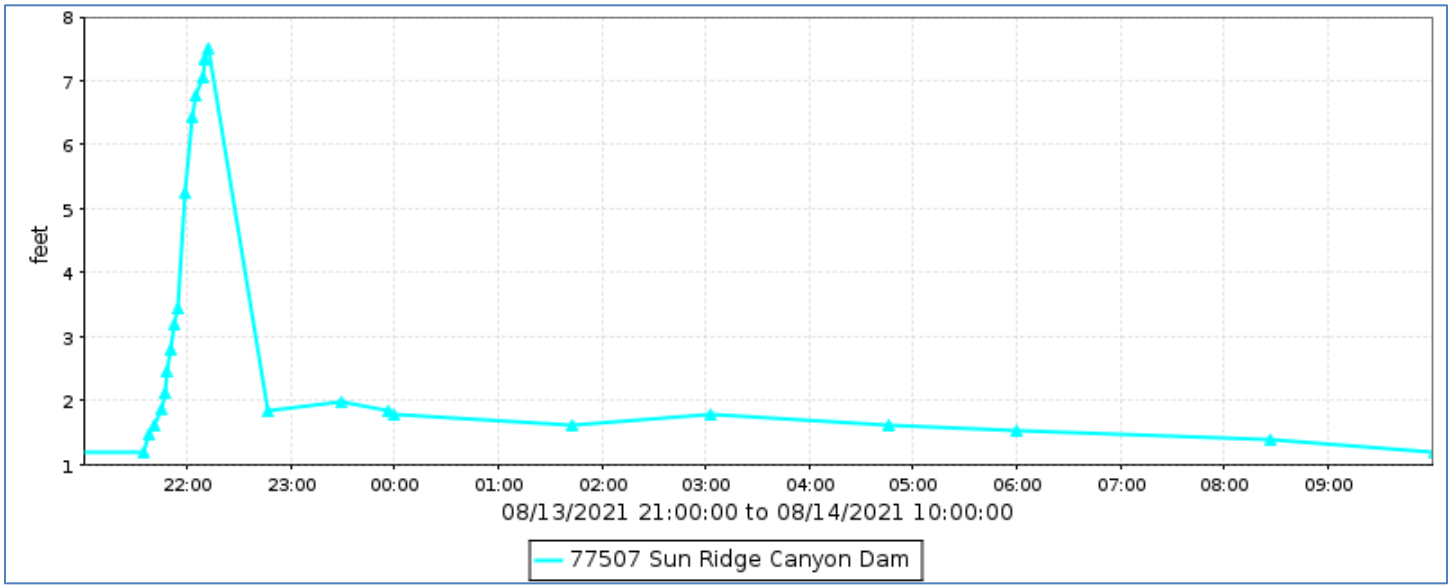




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/22/2021	4.23	0.0	0.1
08/11/2021	5.49	0.1	0.2
08/13/2021	7.50	0.1	0.3

Hydrograph of peak 2021 impoundment event, 08/13/2021



Sunridge Canyon Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											6	
12												
13											6	
14											9	
15												
16												
17												
18												
19												
20												
21										1		
22										14		
23										26		
24										---		
25												
26												
27										1		
28										6		
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	89	22	0
MEAN	0	0	0	0	0	0	0	0	0	3	1	0
MAX	0	0	0	0	0	0	0	0	0	74	137	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	176	44	0

WTR YR 2021 TOTAL 111 MEAN 0 MAX 137 MIN 0 AC_FT 220

Sunridge Canyon Dam, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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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25												
26												
27												
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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 2021 MEAN 0 MAX 0 MIN 0

Sunridge Canyon Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	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	1.2
4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	---	1.2	1.2
5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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	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	1.4	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	1.5	1.2
14	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.4	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	1.5	1.2	1.2
23	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	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
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	1.3	1.2	1.2
29	1.2	1.2	1.2	1.2	---	1.2	1.2	1.2	1.2	1.2	1.2	1.2
30	1.2	1.2	1.2	1.2	---	1.2	1.2	1.2	1.2	1.2	1.2	1.2
31	1.2	---	1.2	1.2	---	1.2	---	1.2	---	1.2	1.2	---
MEAN	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
MAX	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	4.2	7.5	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 2021 MEAN 1.21 MAX 7.50 MIN 1.20

Sunset FRS, ID #46007

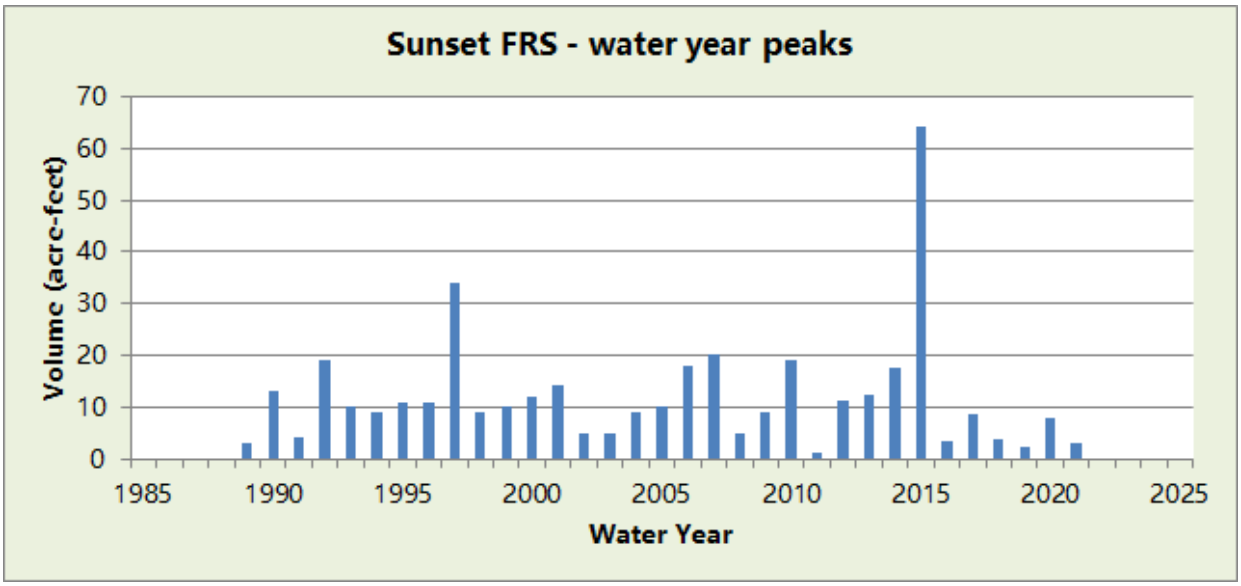


Site Data

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	32.63 Years | 11,919 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

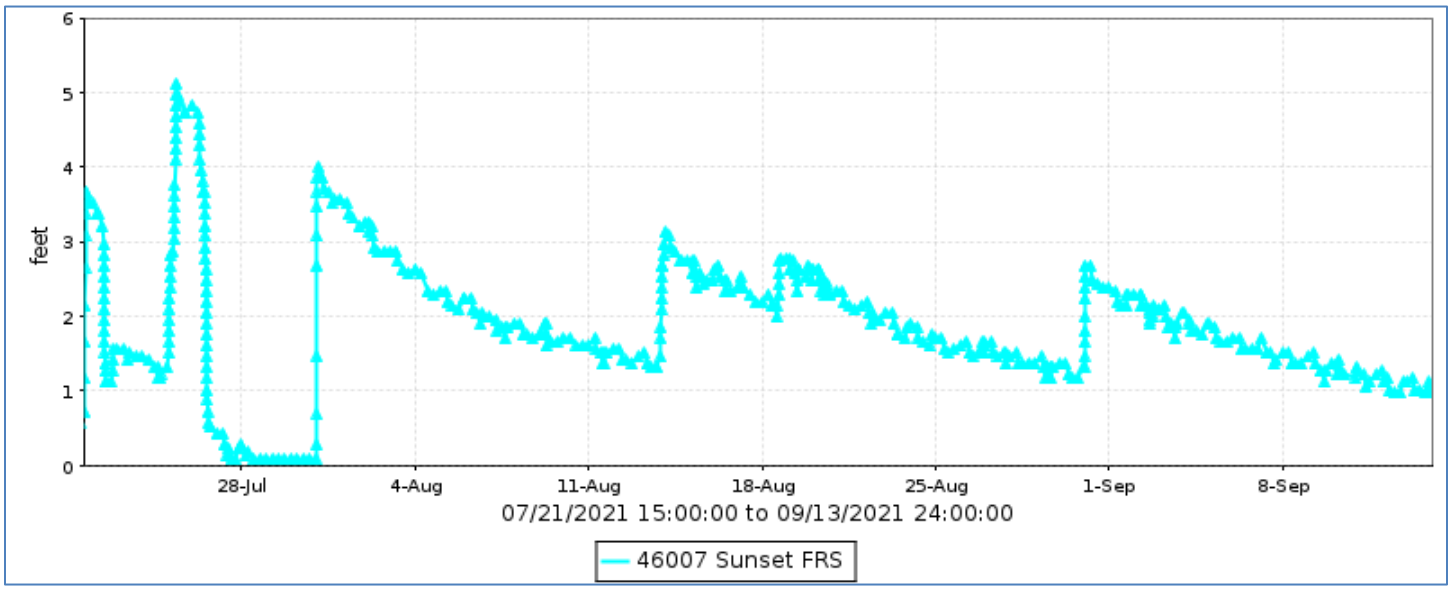




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/25/2021	4.25	1.3	1.8
07/03/2021	3.57	0.8	0.9
07/21/2021	3.66	0.8	1.0
07/25/2021	5.13	2.8	3.7
07/31/2021	4.01	1.0	1.3
08/14/2021	3.13	0.6	0.5

Hydrograph of peak 2021 impoundment event, 07/25/2021



Sunset FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Sunset FRS, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 MEAN 0 MAX 3 MIN 0

Sunset FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.8	0.1	0.1	0.1	0.1	0.1	3.4	2.3
2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.0	2.2
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	2.7	2.0
4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.0	2.5	1.9
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.7	2.2	1.7
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.4	2.1	1.6
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.2	1.9	1.5
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.0	1.8	1.4
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.9	1.7	1.3
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.7	1.7	1.3
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.6	1.6	1.2
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.5	1.5	1.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4	1.5	1.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3	2.9	1.0
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	2.6	0.9
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	2.5	0.8
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.9	2.3	0.8
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	2.4	0.7
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	2.7	0.6
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7	2.4	0.5
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.6	2.2	0.5
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.3	2.0	0.4
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.5	1.9	0.4
24	0.1	0.1	0.1	3.0	0.1	0.1	0.1	0.1	0.1	1.4	1.8	0.3
25	0.1	0.1	0.1	4.2	0.1	0.1	0.1	0.1	0.1	4.0	1.6	0.2
26	0.1	0.1	0.1	3.8	0.1	0.1	0.1	0.1	0.1	2.8	1.5	0.2
27	0.1	0.1	0.1	3.4	0.1	0.1	0.1	0.1	0.1	0.3	1.5	0.5
28	0.1	0.1	0.1	2.9	0.1	0.1	0.1	0.1	0.1	0.2	1.4	0.5
29	0.1	0.1	0.1	2.5	---	0.1	0.1	0.1	0.1	0.1	1.3	0.4
30	0.1	0.1	0.1	2.2	---	0.1	0.1	0.1	0.1	0.1	1.3	0.3
31	0.1	---	0.1	1.9	---	0.1	---	0.1	---	3.5	2.5	---
MEAN	0.1	0.1	0.1	0.8	0.1	0.1	0.1	0.1	0.1	1.5	2.1	1.0
MAX	0.1	0.1	0.1	4.2	1.7	0.1	0.1	0.1	0.1	5.1	3.5	2.3
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.1

WTR YR 2021 MEAN 0.52 MAX 5.13 MIN 0.10

Sycamore Creek Fire, ID #81807(transducer)/81813(radar)

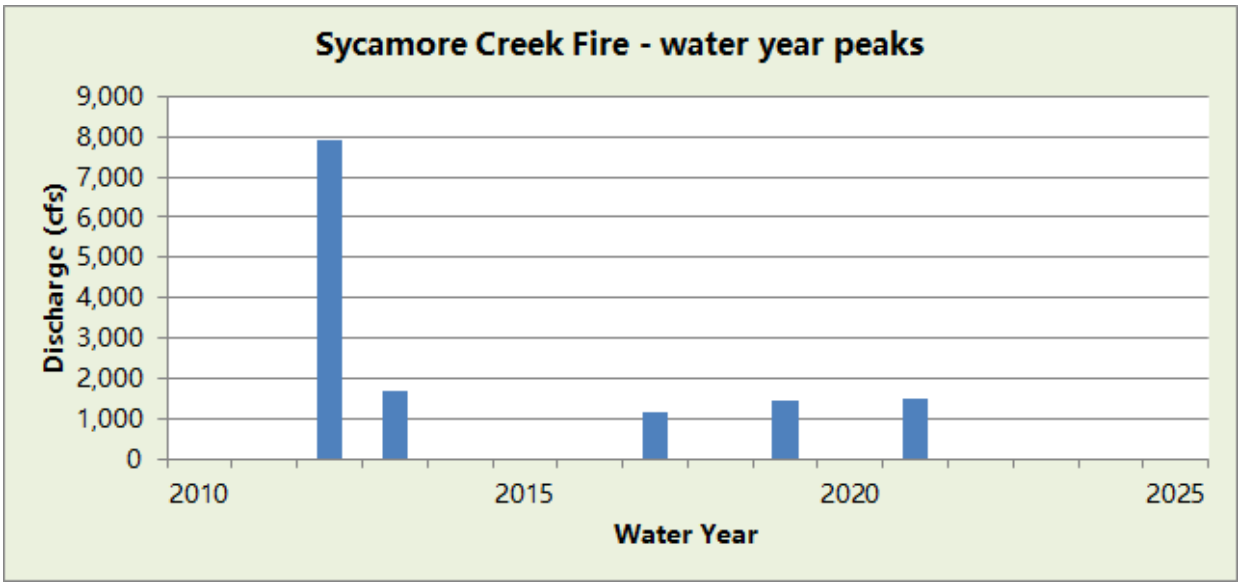


Site Data

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	9.26 Years | 3,384 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

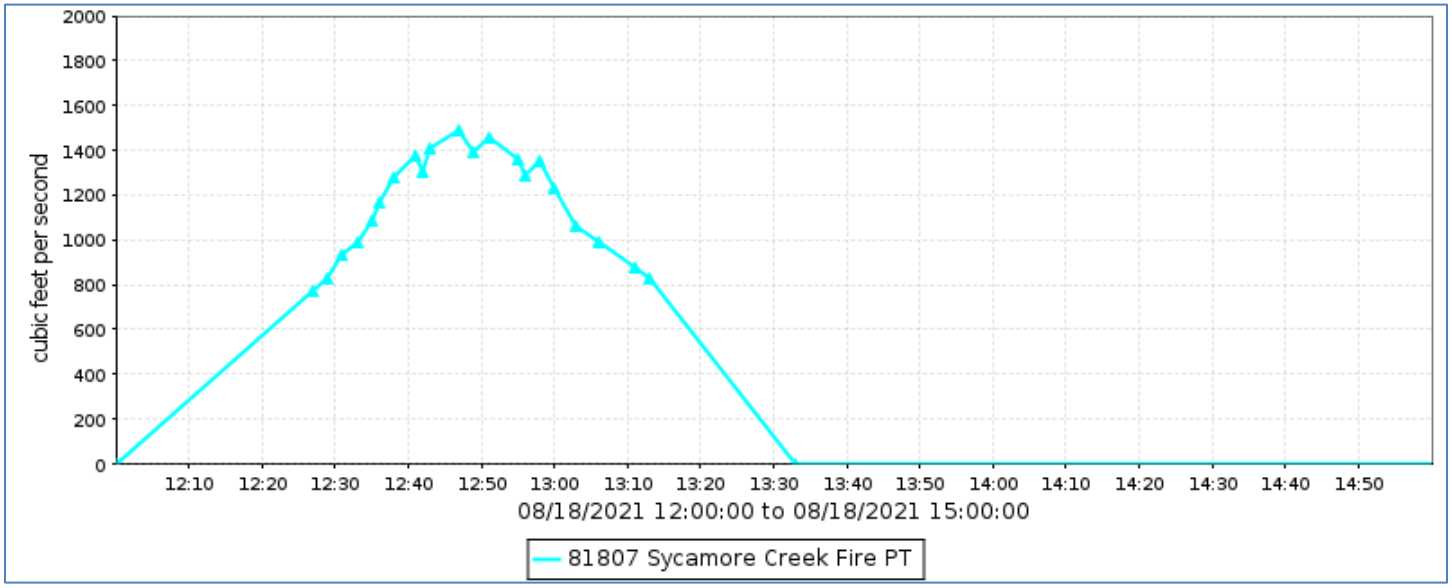




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/11/2021	3.72	1,004
08/18/2021	4.54	1,492
08/18/2021	3.05	689

Hydrograph of peak WY 2021 flow event, 08/18/2021



Flood Flow Frequency

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

Sycamore Creek Fire (Transducer Gage), runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											13	
12												
13												
14												
15												
16												
17												
18											49	
19												
20												
21												
22												
23												
24										---		
25												
26												
27				---								
28				---								
29				---	---							
30				---	---							
31		---		---	---		---		---		---	---
TOTAL	0	0	0	0	0	0	0	0	0	0	62	0
MEAN	0	0	0	0	0	0	0	0	0	0	2	0
MAX	0	0	0	0	0	0	0	0	0	0	1492	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	123	0

WTR YR 2021 TOTAL 62 MEAN 0 MAX 1492 MIN 0 AC_FT 123

Sycamore Creek Fire (RADAR Gage), runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											19	
12												
13												
14												
15												
16												
17												
18											89	
19												
20												
21												
22												
23												
24										---		
25												
26												
27												
28				---								
29				---	---							
30				---	---							
31		---		---	---		---		---		---	---
TOTAL	0	0	0	0	0	0	0	0	0	0	108	0
MEAN	0	0	0	0	0	0	0	0	0	0	3	0
MAX	0	0	0	0	0	0	0	0	0	0	1487	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	215	0

WTR YR 2021 TOTAL 108 MEAN 0 MAX 1487 MIN 0 AC_FT 215

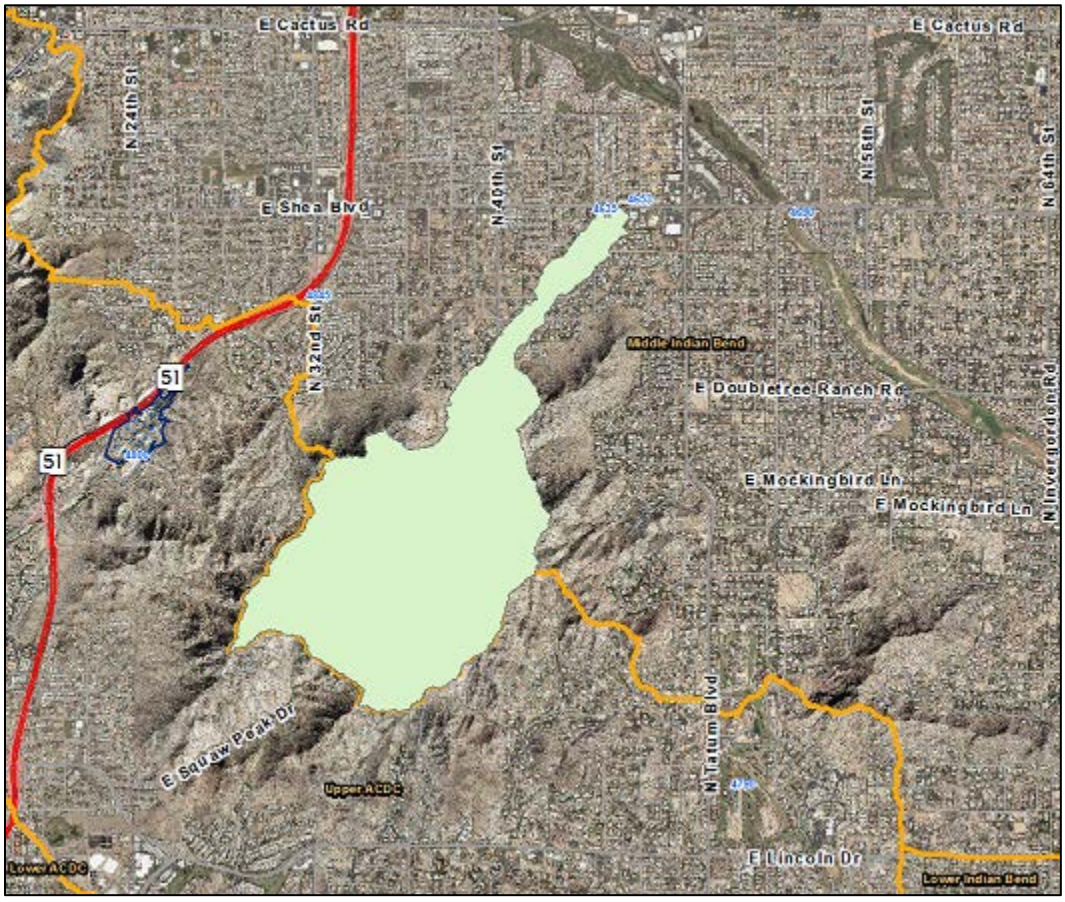
Tatum Wash Basin Inflow – ID #58007

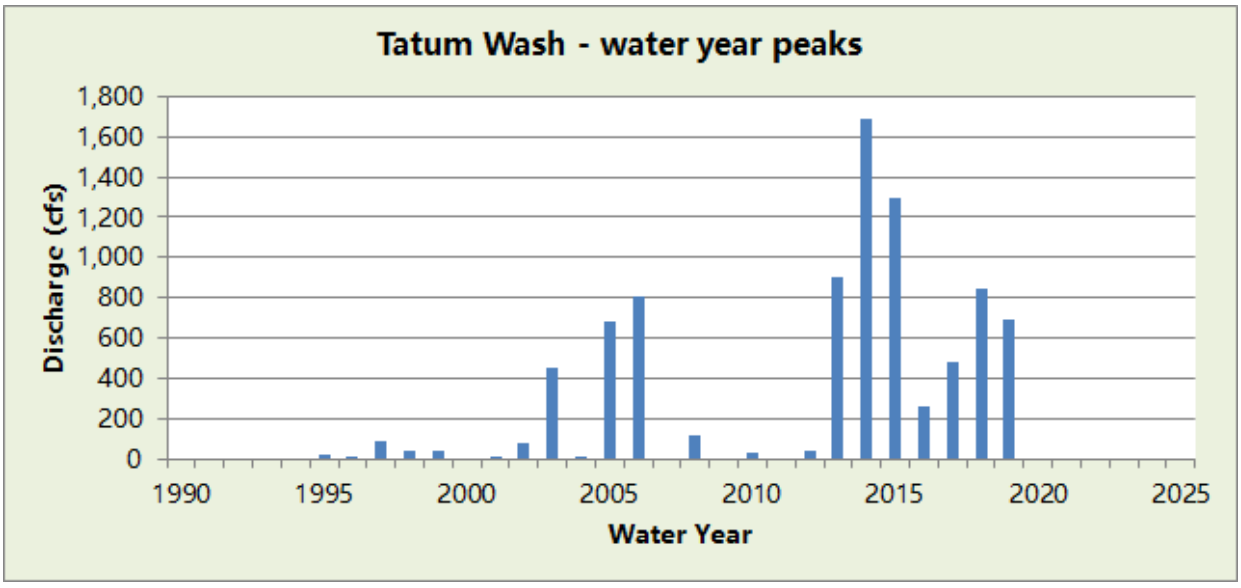


Site Data

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	27.33 Years | 9,982 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded in Water Year 2021.

Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
57	**419**	**1,040**	**2,060**	**4,140**	**6,360**

Tatum Basin Inflow, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

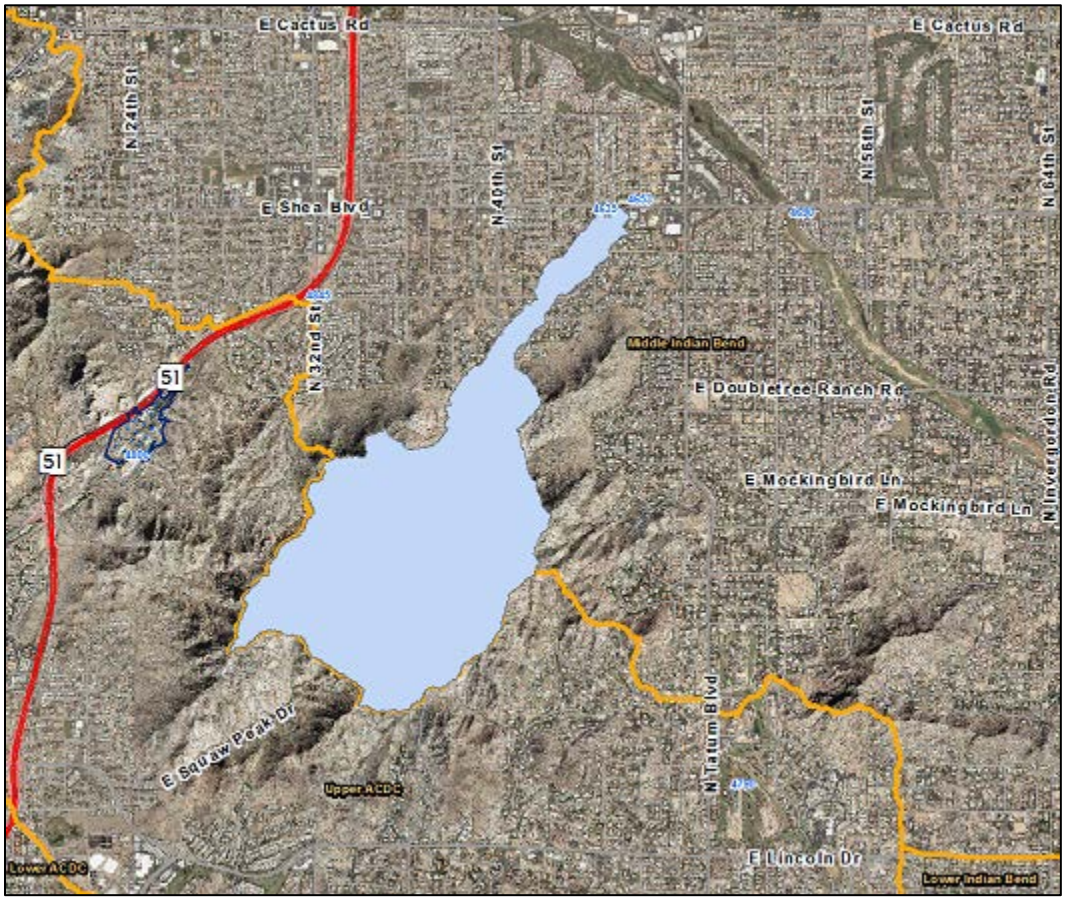
Tatum Wash Basin – ID #58507

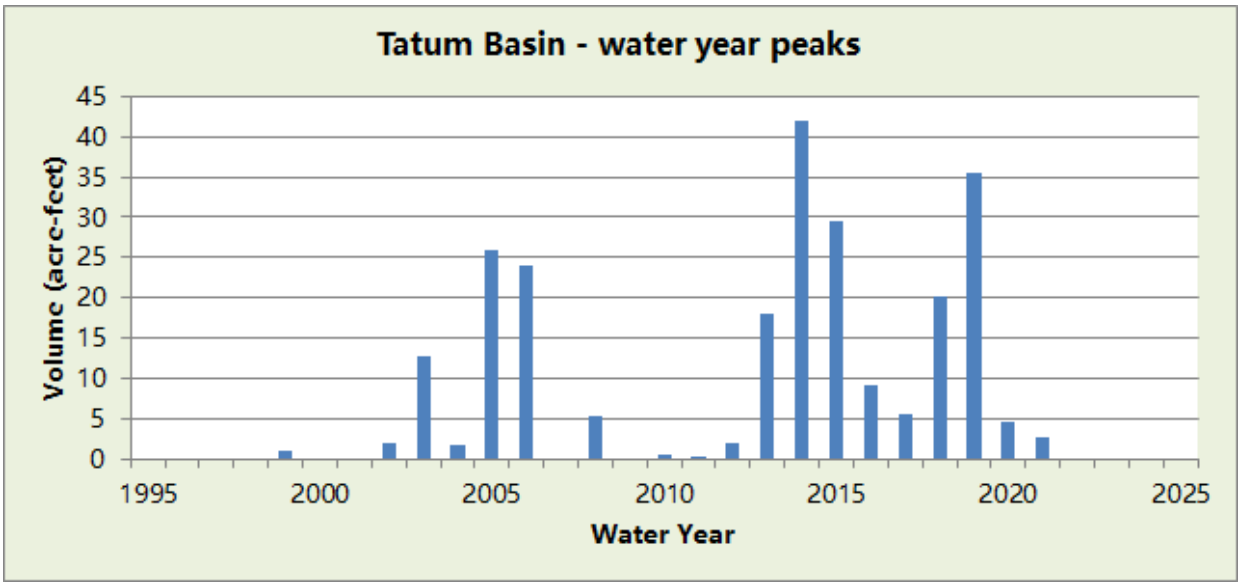


Site Data

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	23.40 Years | 8,547 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

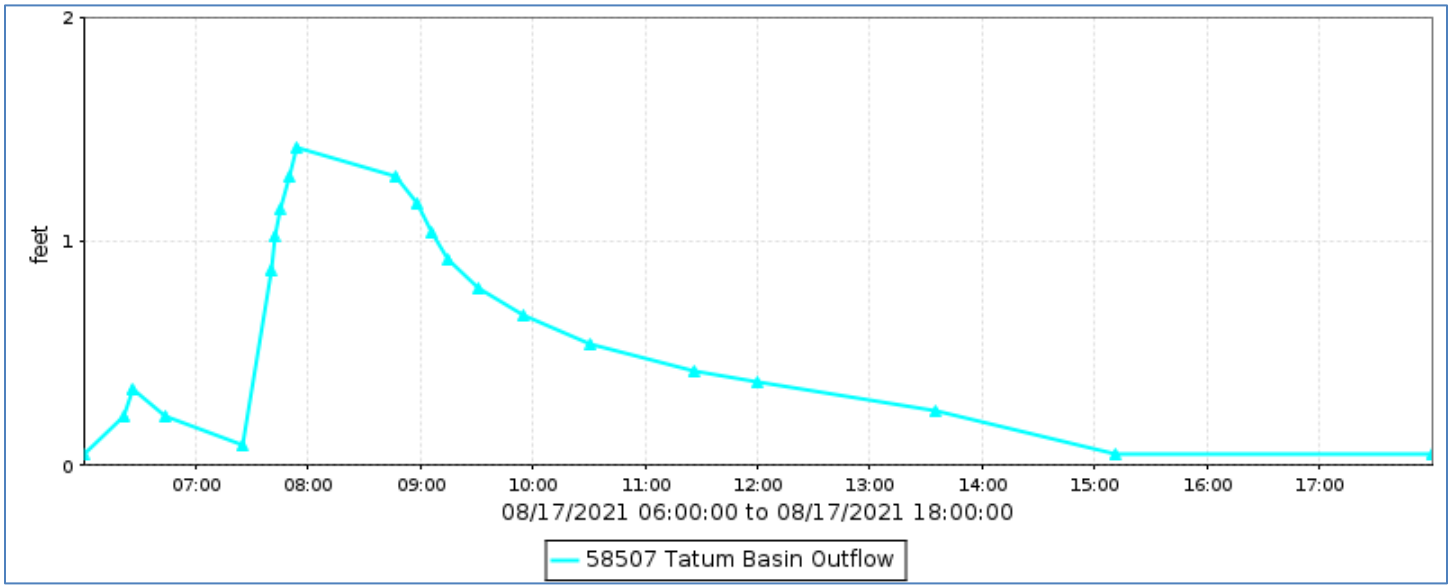




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/17/2021	1.42	2.7	8.3

Hydrograph of peak 2021 impoundment event, 08/17/2021



Tatum Wash Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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19												
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21												
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Tatum Wash Basin, volume data

Volume, in acre feet, Water Year October 2020 to September 2021

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

WTR YR 2021 MEAN 0 MAX 3 MIN 0

Tatum Wash Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.2	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
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4	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 2021 MEAN 0.05 MAX 1.42 MIN 0.05

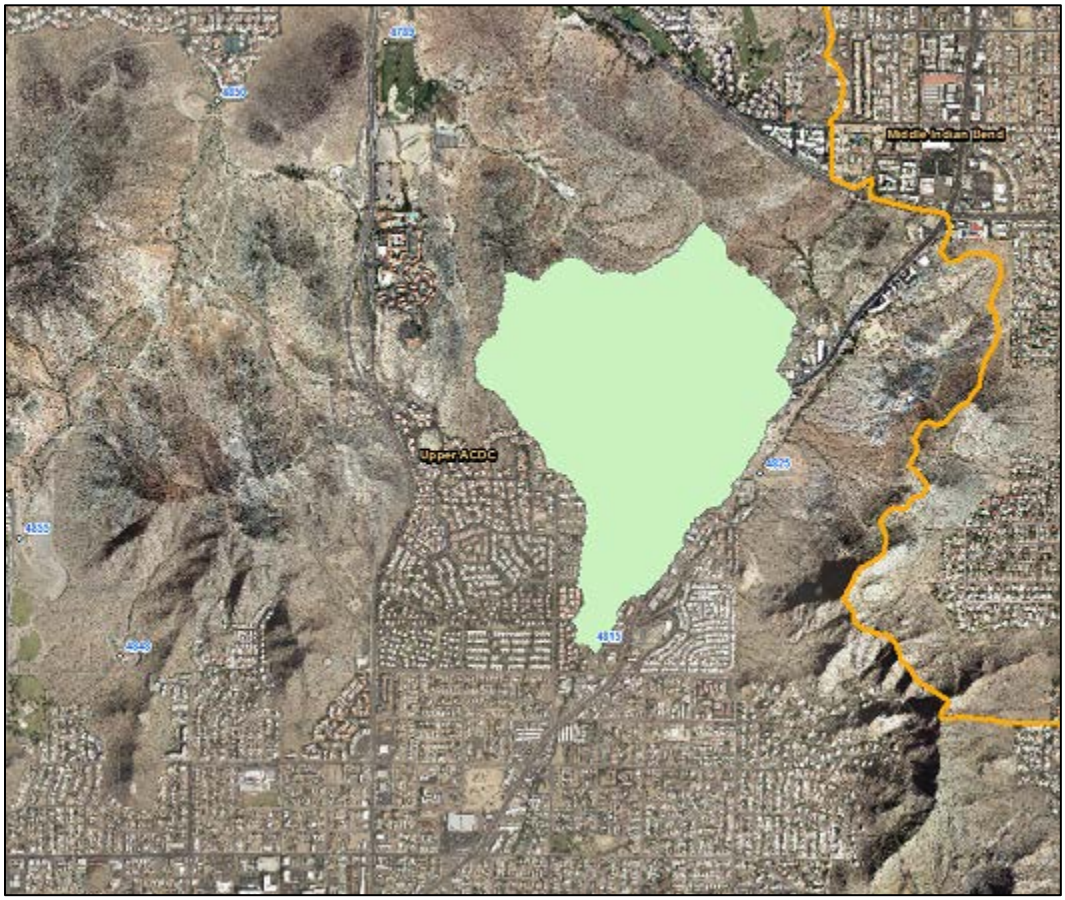
Tenth Street Wash Basin #1, ID #11007

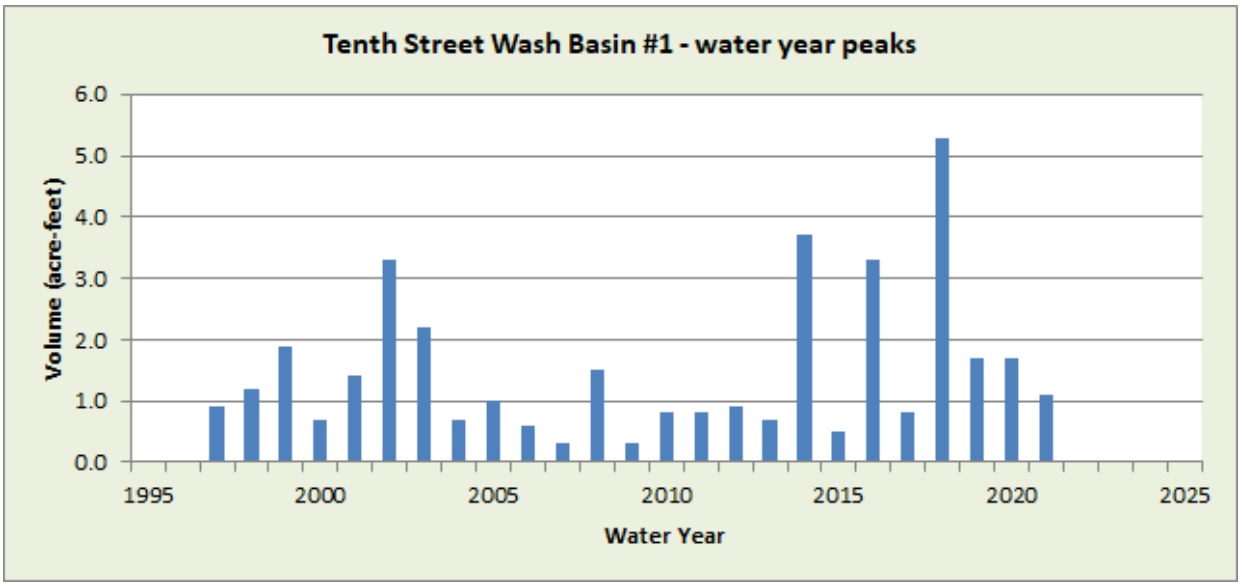


Site Data

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	24.85 Years | 9,075 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

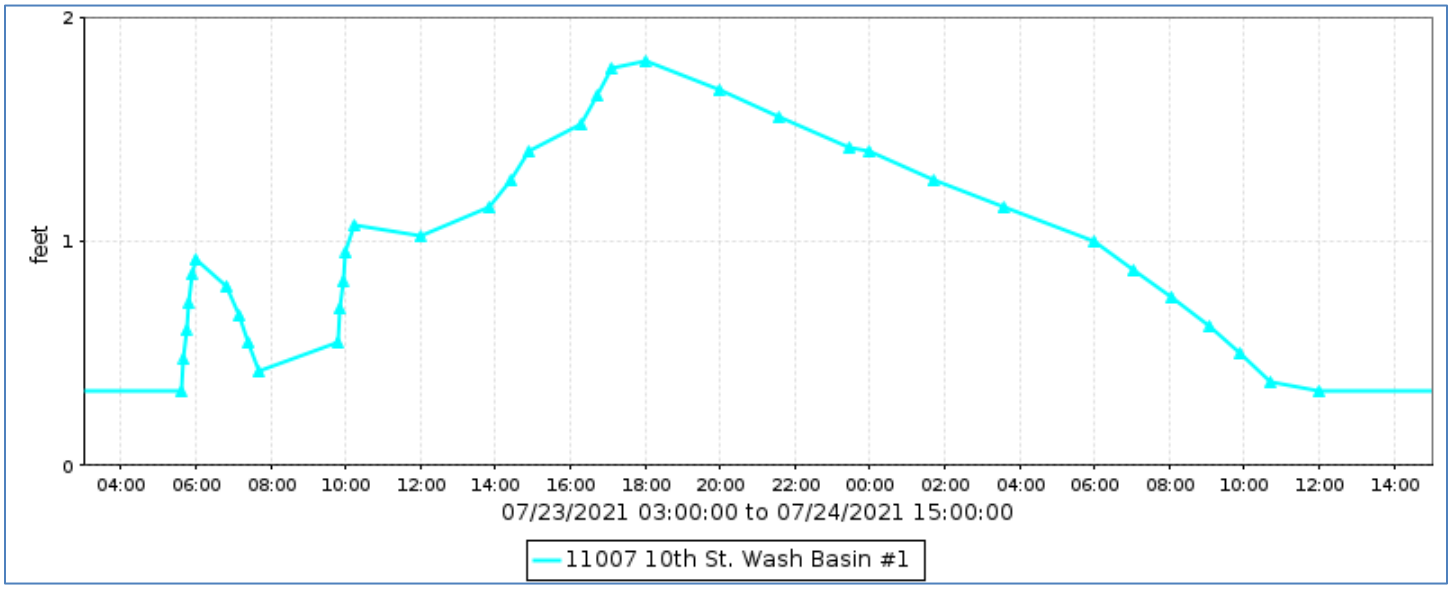




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/25/2021	0.97	0.3	1.8
01/25/2021	0.70	0.2	1.1
07/23/2021	1.80	1.1	5.1
07/25/2021	0.45	0.1	0.6
07/30/2021	1.10	0.4	2.1
08/11/2021	1.15	0.4	2.3
08/14/2021	1.67	0.9	4.5
08/17/2021	1.07	0.4	2.1
08/18/2021	0.85	0.3	1.5

Hydrograph of peak 2021 impoundment event, 07/23/2021



Tenth Street Wash Basin #1, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											1	
14											6	
15												
16												
17											1	
18												
19												
20												
21												
22												
23										6		
24										2		
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	1		---
TOTAL	0	0	0	0	0	0	0	0	0	9	9	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	4	0	0	0	0	0	13	12	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	17	17	0

WTR YR 2021 TOTAL 17 MEAN 0 MAX 13 MIN 0 AC_FT 35

Tenth Street Wash Basin #1, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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

WTR YR 2021 MEAN 0 MAX 1 MIN 0

Tenth Street Wash Basin #1, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.5	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	0.4	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.1	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	0.6	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	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	1.0	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3
25	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.4	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.5	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3
MAX	0.3	0.3	0.3	1.0	0.3	0.3	0.3	0.3	0.3	1.8	1.7	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 2021 MEAN 0.34 MAX 1.80 MIN 0.33

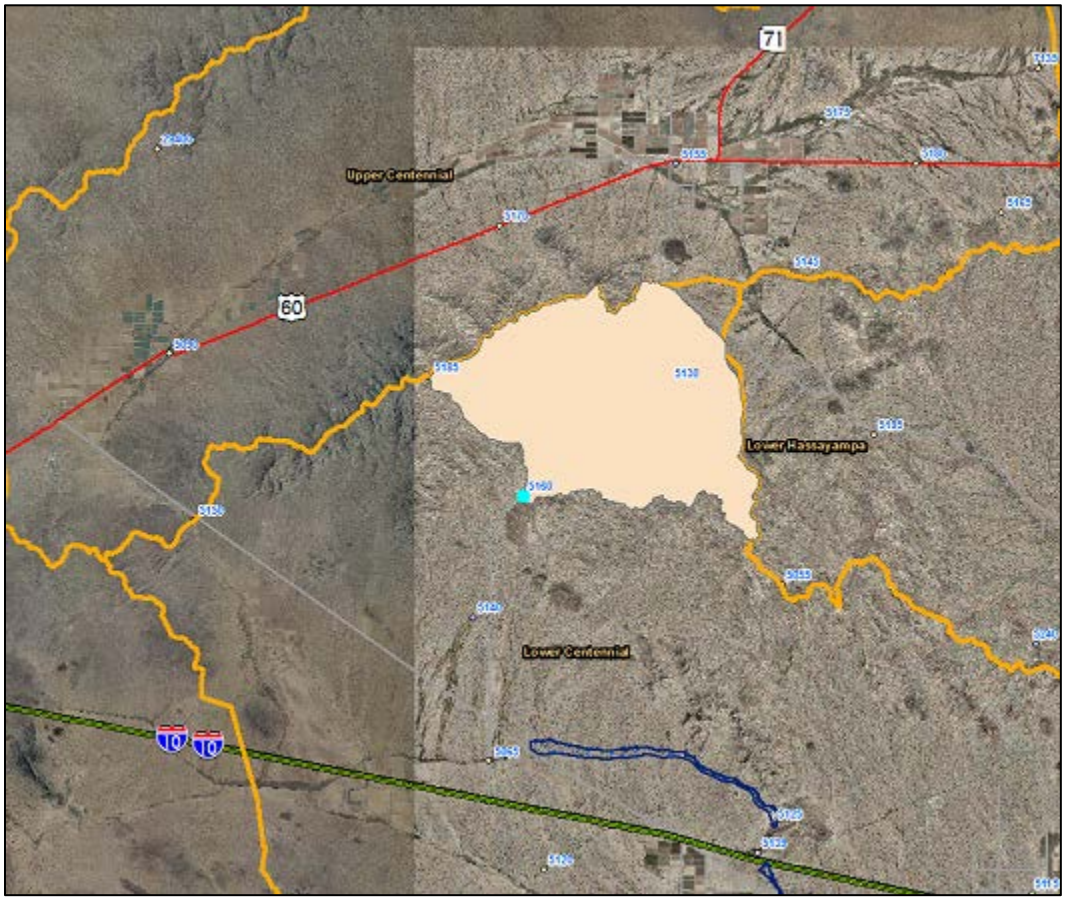
Tiger Wash, ID #27007

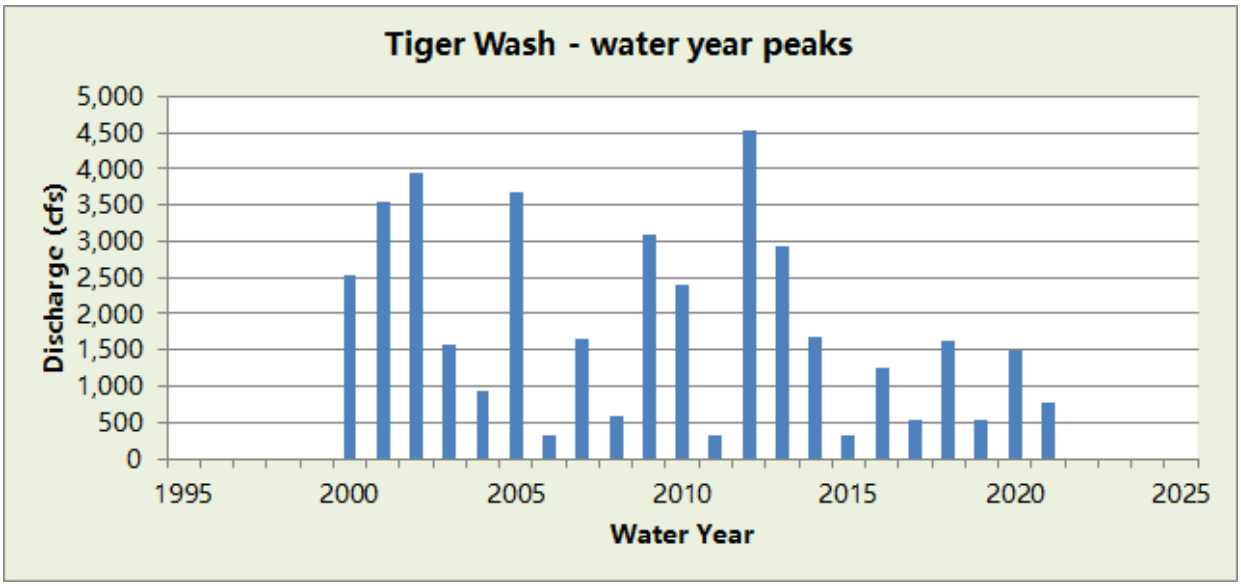


Site Data

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	22.05 Years | 8,052 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

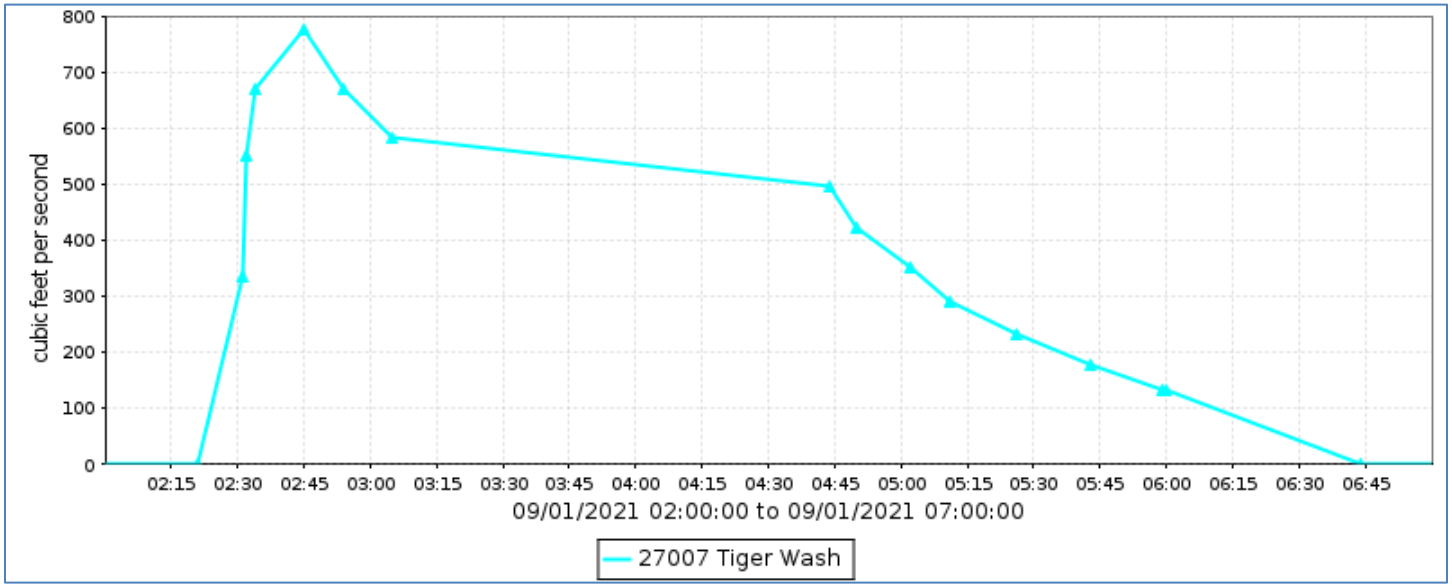




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/20/2021	5.21	196
08/10/2021	5.31	231
09/01/2021	6.34	777

Hydrograph of peak WY 2021 flow event, 09/01/2021



Flood Flow Frequency

Flood Flow Frequency N=49, HEC-WRC computation (based on 49 years of data)					
2-year	**5-year**	**10-year**	**20-year**	**50-year**	**100-year**
1,150	**2,750**	**3,980**	**5,190**	**6,700**	**7,770**

NOTE: These results are based on limited data.

Tiger Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												76
2												
3												
4												
5												
6												
7												
8												
9												
10											6	
11												
12												
13												
14						---						
15						---						
16												
17												
18												
19												
20										6		
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	6	6	76
MEAN	0	0	0	0	0	0	0	0	0	0	0	3
MAX	0	0	0	0	0	0	0	0	0	196	231	777
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	13	11	150

WTR YR 2021 TOTAL 88 MEAN 0 MAX 777 MIN 0 AC_FT 174

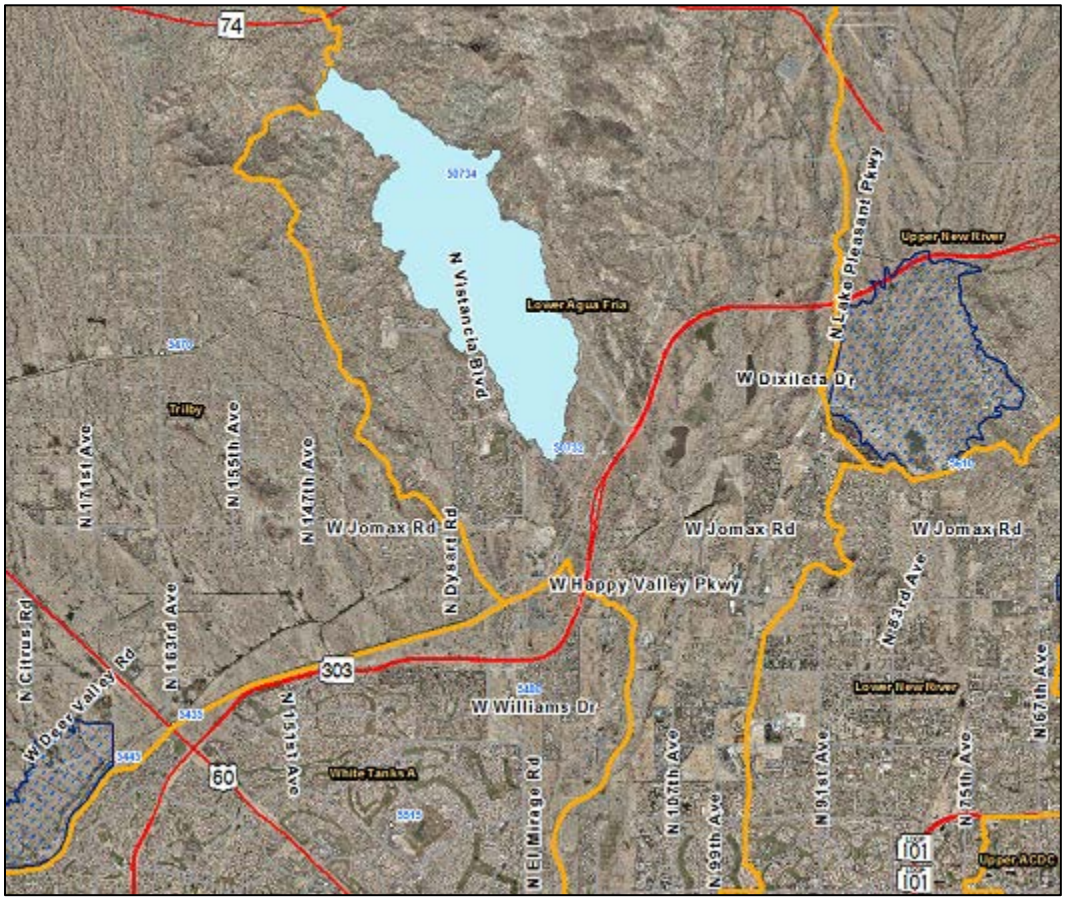
Twin Buttes Wash, ID #73207

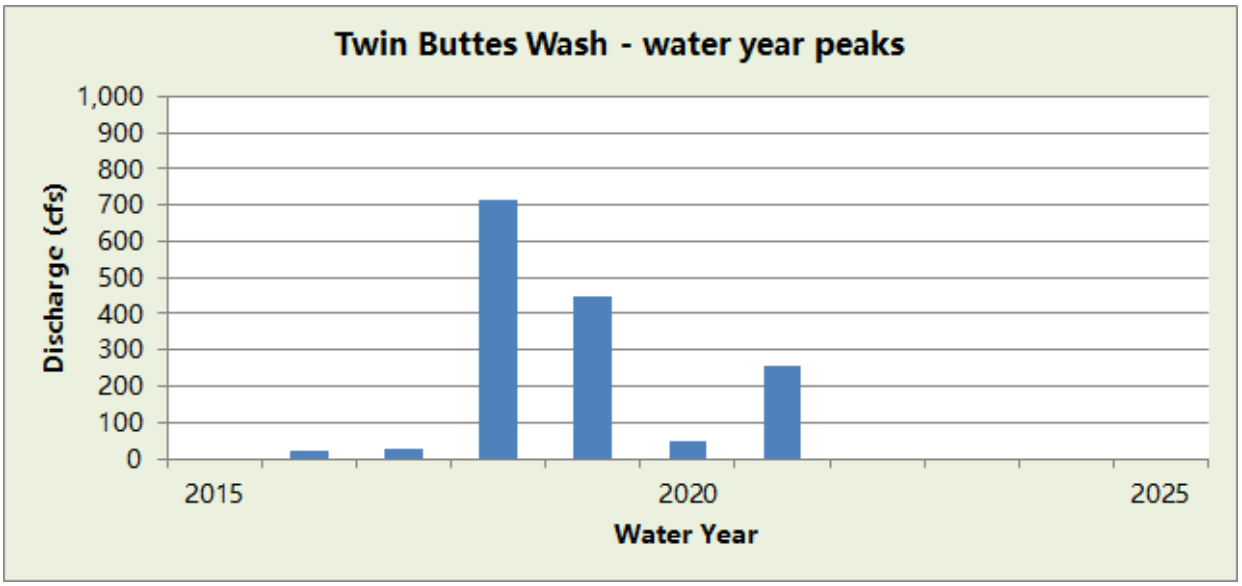


Site Data

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	5.81 Years | 2,123 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

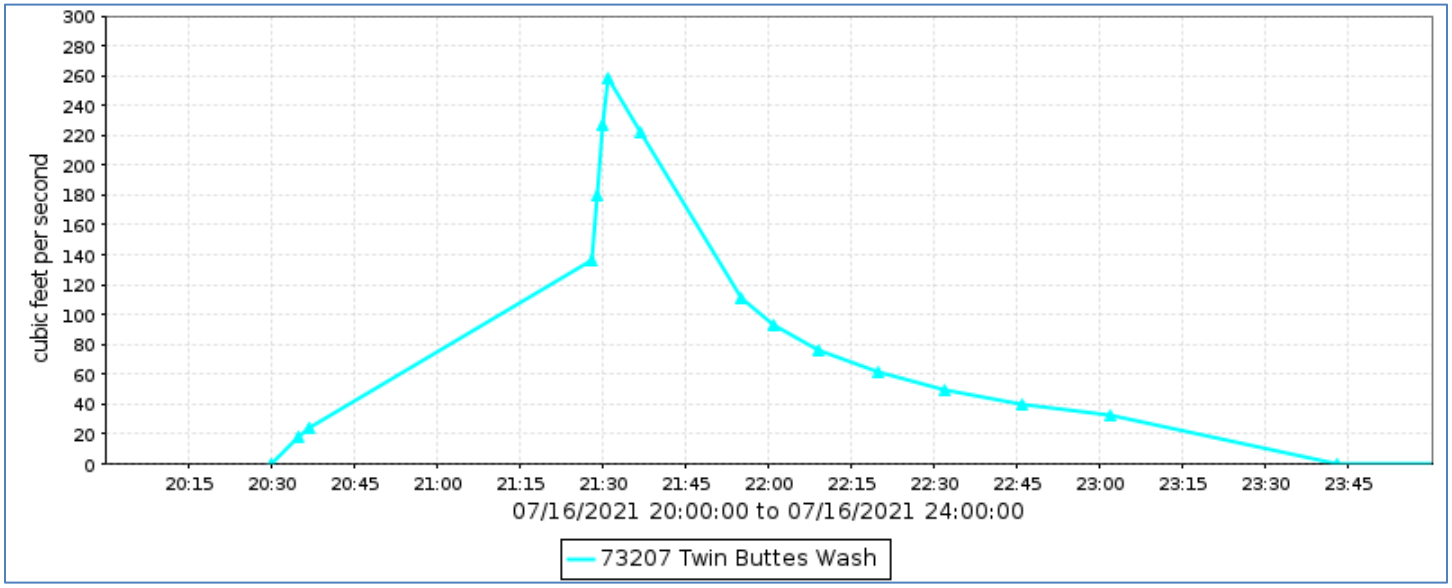




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/03/2021	1.72	109
07/16/2021	2.49	258
07/25/2021	1.37	55

Hydrograph of peak WY 2021 flow event, 07/16/2021



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 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3										7		
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15										---		
16										62		
17											---	
18												
19										---		
20										---		
21												
22												
23												
24										1		
25										5		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	21	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	0	0	94	0	0	0	0	258	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	42	0	0

WTR YR 2021 TOTAL 21 MEAN 0 MAX 258 MIN 0 AC_FT 42

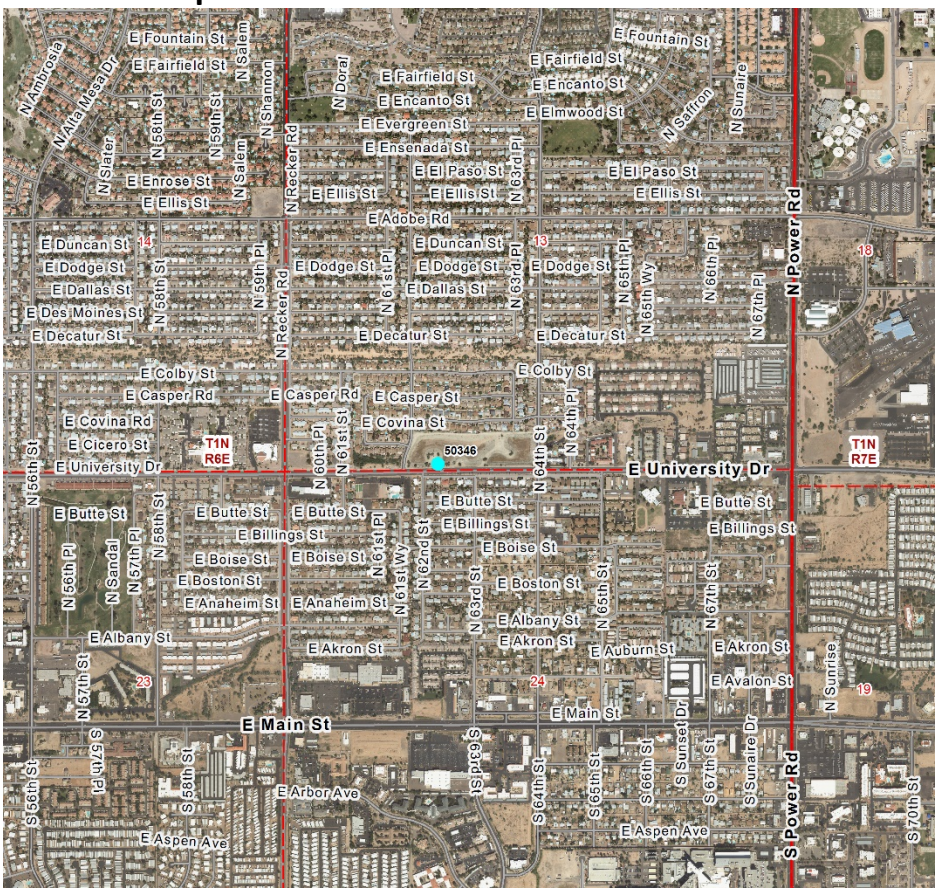
University Drive at 62nd Street Basin, ID #34607

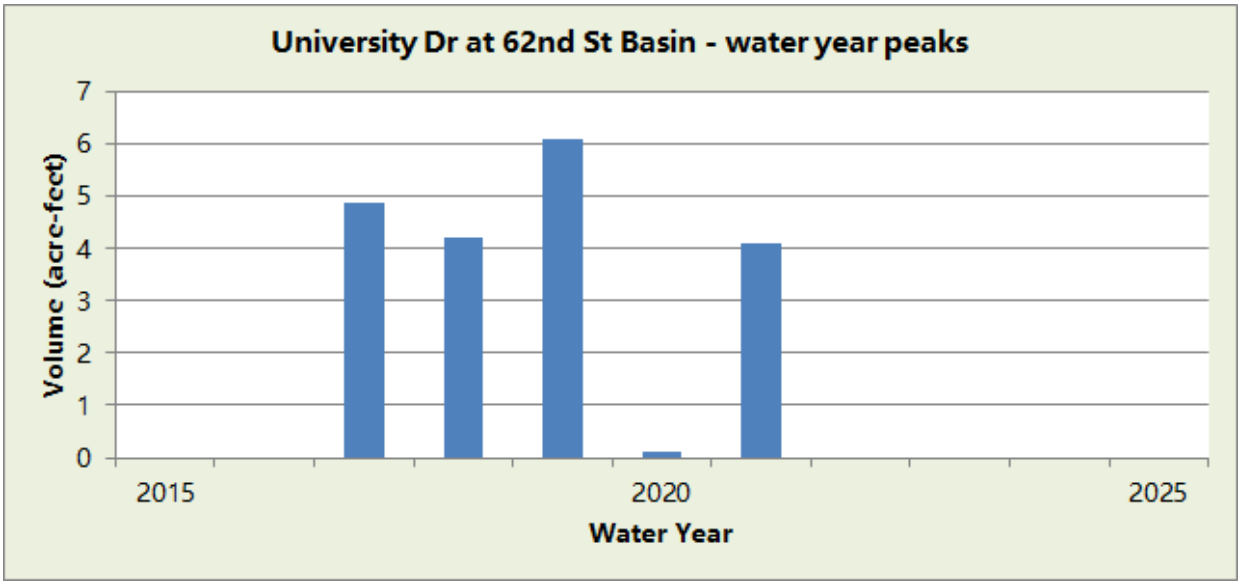


Site Data

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	4.77 Years | 1,744 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

Location Map

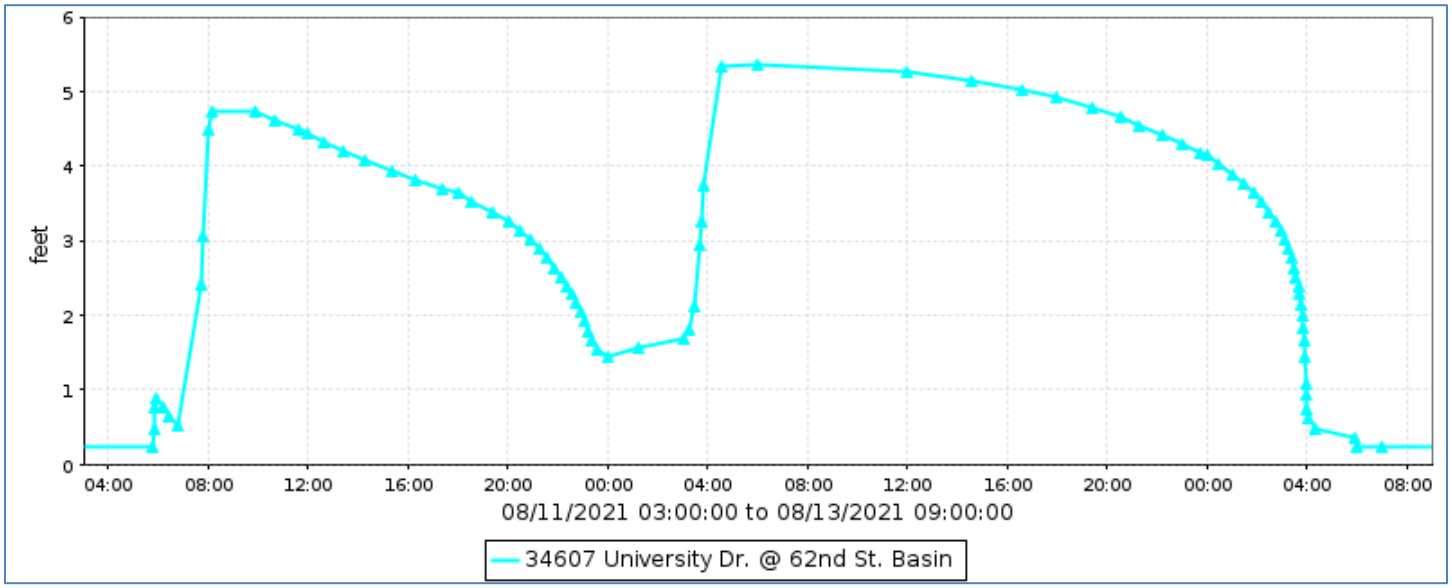




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/24/2021	1.19	0.01	0.0
01/25/2021	2.24	0.04	0.2
07/23/2021	3.07	0.10	0.4
07/24/2021	2.49	0.06	0.2
08/11/2021	4.74	1.71	8.2
08/12/2021	5.36	4.11	16.7
08/14/2021	4.12	0.33	1.6
08/16/2021	3.29	0.13	0.5
08/17/2021	1.79	0.02	0.1
09/01/2021	2.62	0.06	0.3
09/01/2021	2.57	0.06	0.3

Hydrograph of peak 2021 impoundment event, 08/12/2021



University Drive at 62nd Street Basin, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

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

WTR YR 2021 TOTAL 20 MEAN 0 MAX 6 MIN 0 AC_FT 40

University Drive at 62nd Street Basin, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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												
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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	4	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 4 MIN 0

University Drive at 62nd Street Basin, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	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	0.6
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	0.4	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	2.6	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.5	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	2.1	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.3	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	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	0.4	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.3	0.2	0.2
24	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	1.0	0.2	0.2
25	0.2	0.2	0.2	0.8	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
26	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.6	0.3
MAX	0.2	0.2	0.9	2.2	0.2	0.2	0.2	0.2	0.6	3.1	5.4	2.6
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 2021 MEAN 0.29 MAX 5.36 MIN 0.25

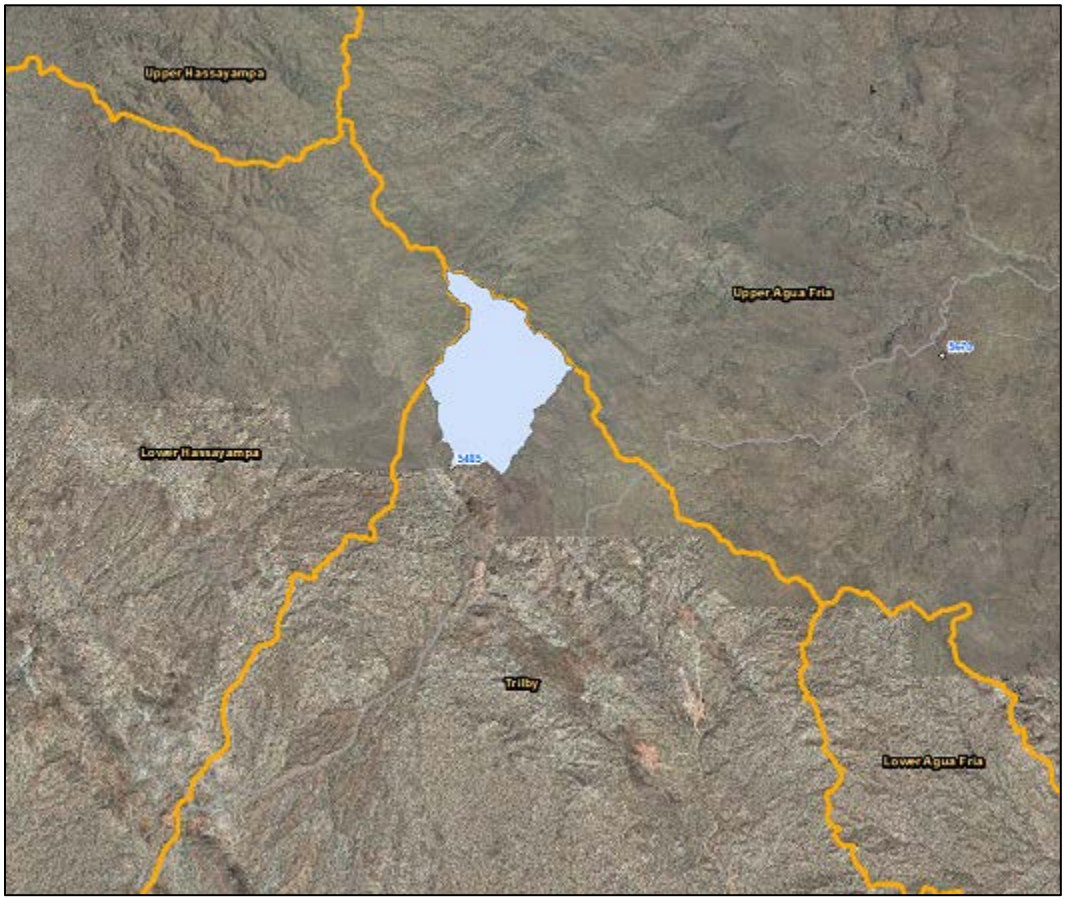
Upper Trilby Wash, ID #73807

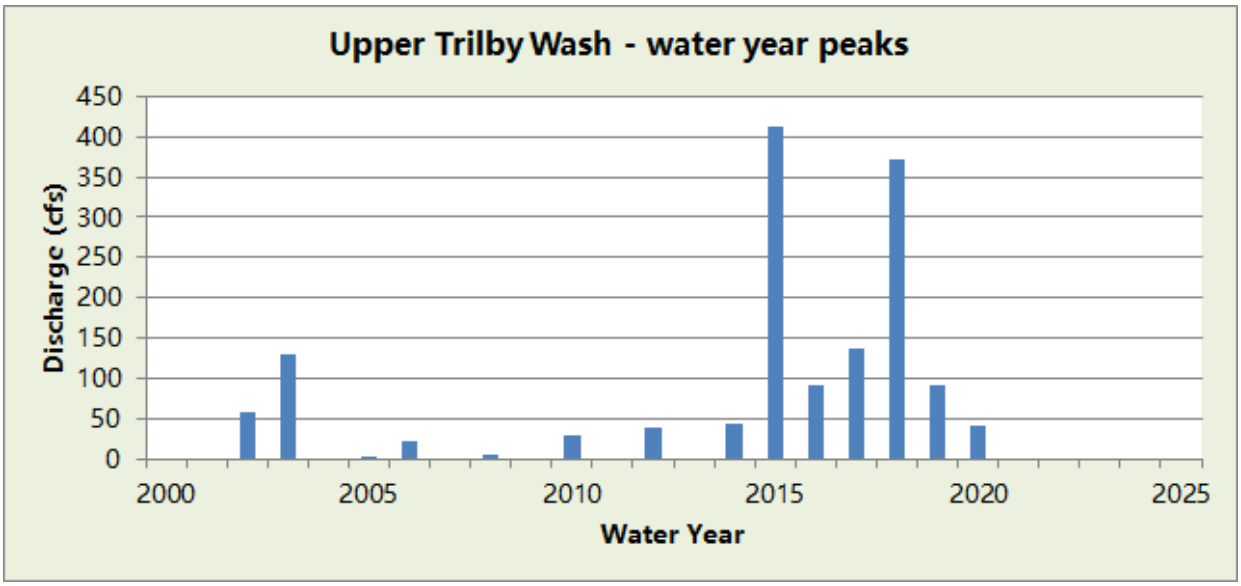


Site Data

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	20.01 Years | 7,310 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No flow recorded during Water Year 2021.

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**
23	**103**	**223**	**418**	**841**	**1,330**

NOTE: These results are based on very limited data.

Upper Trilby Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2		---										
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
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17					---							
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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

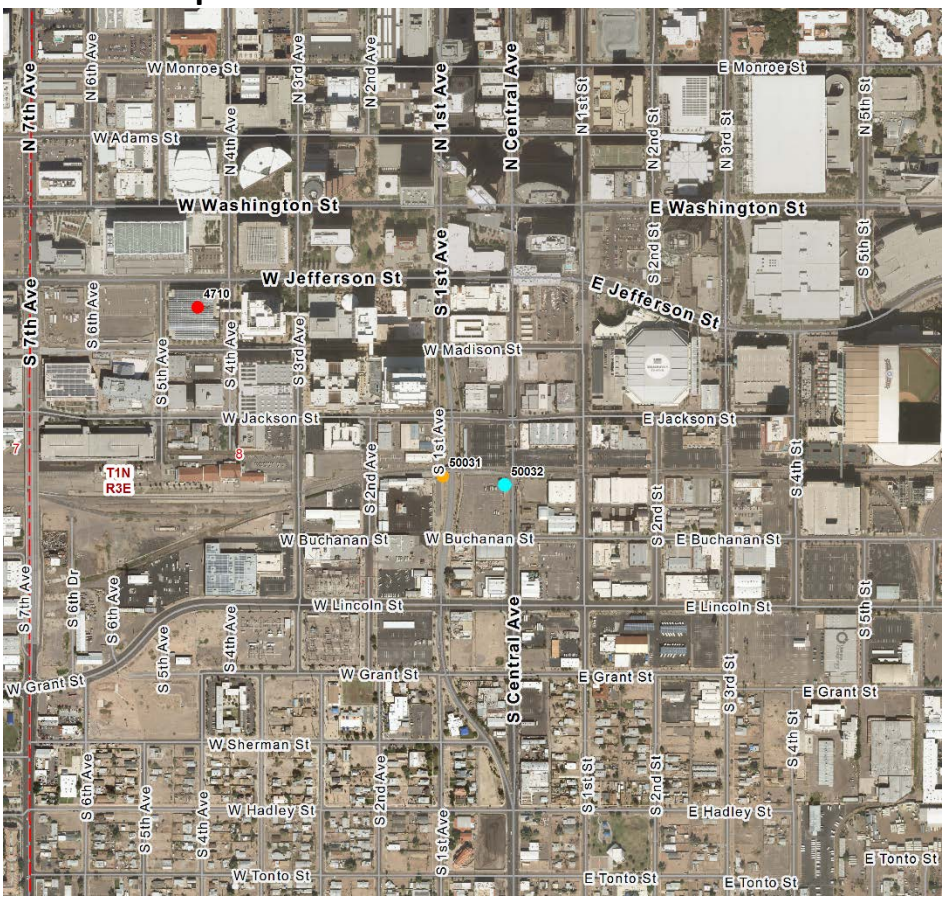
UPRR Underpass at First Avenue, ID #3107

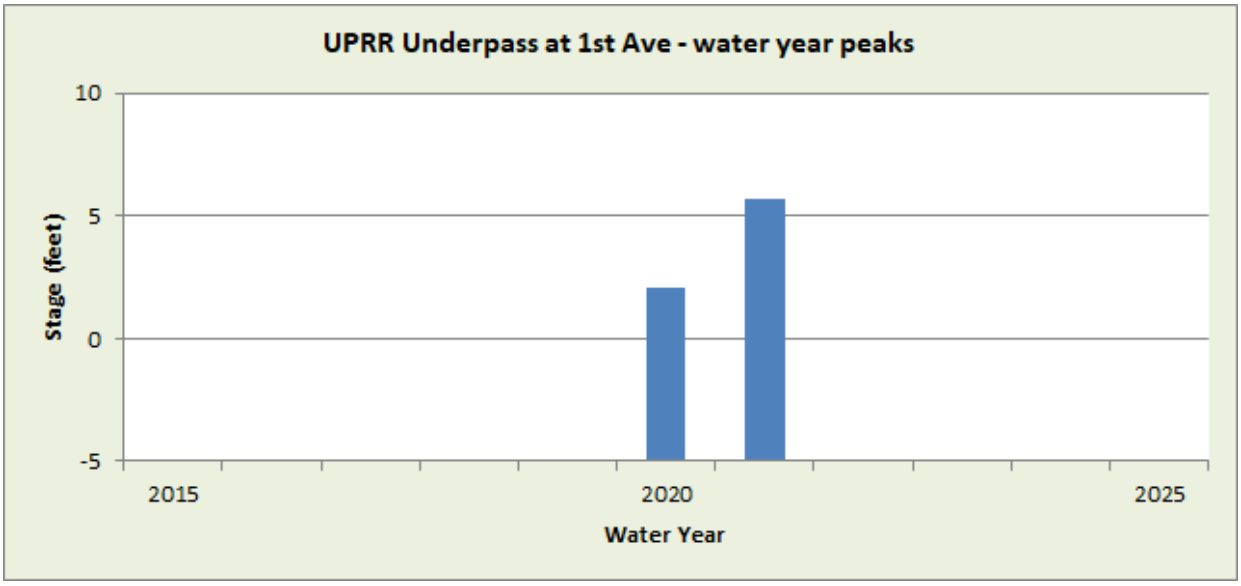


Site Data

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	4.34 Years | 1,585 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

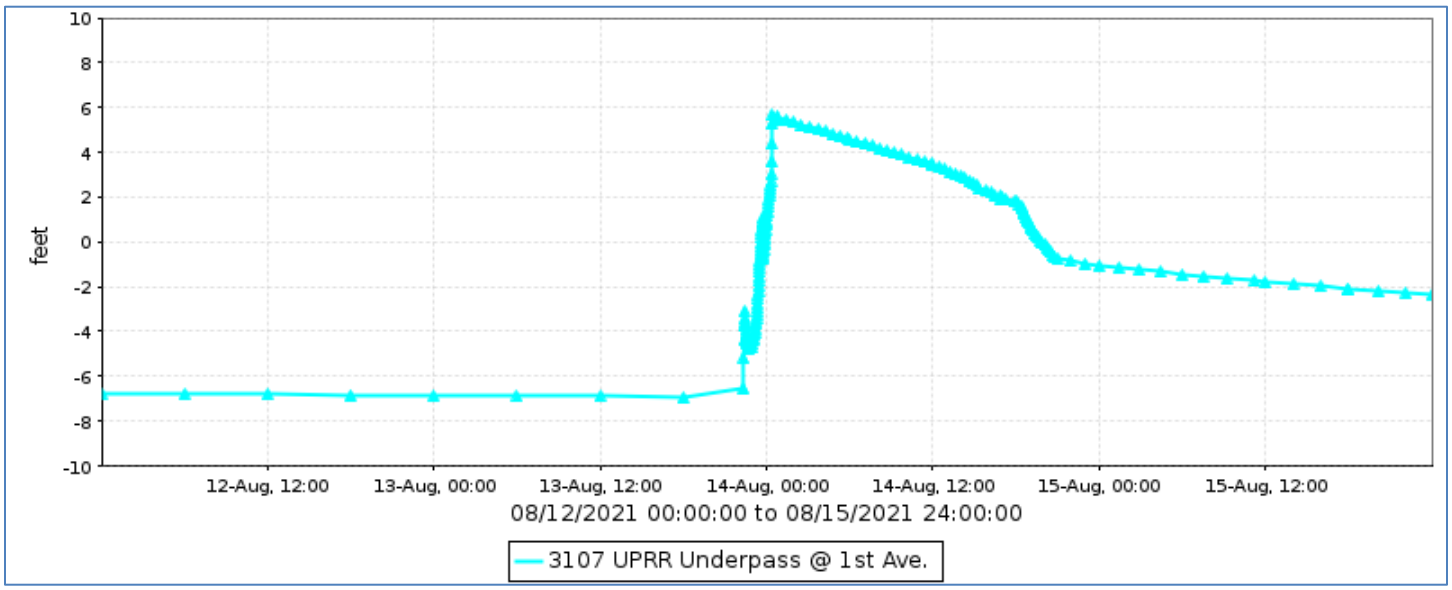




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
12/10/2020	-2.40	0.0	
08/13/2021	1.09	0.2	
08/14/2021	5.64	3.8	

Hydrograph of peak 2021 impoundment event, 08/14/2021



UPRR Underpass at First Avenue, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-8.1	-8.3	-9.7	-9.6	-8.7	-9.6	-8.8	-8.6	-9.6	-9.5	-6.5	-5.3
2	-8.1	-8.3	-9.7	-9.6	-8.9	-9.6	-8.6	-8.6	-9.6	-9.5	-6.6	-5.0
3	-8.1	-8.3	-9.7	-9.6	-8.9	-9.6	-8.6	-8.6	-9.6	-8.6	-6.6	-5.0
4	-8.1	-9.0	-9.7	---	-8.9	-9.6	-8.7	-8.7	-9.6	-6.8	-6.7	-5.0
5	-8.1	-9.7	-9.7	-9.6	-6.4	-9.6	-8.7	-8.7	-9.6	-7.6	-6.8	-5.0
6	-8.1	-9.7	-9.7	-9.6	-7.6	-9.6	-8.7	-8.7	-9.6	-8.1	-6.8	-5.1
7	-8.1	-9.7	-9.7	-9.6	-8.2	-9.6	-8.8	-8.7	-9.6	-8.4	-6.8	-5.1
8	-8.1	-9.7	-9.7	-9.6	-8.6	-9.6	-8.8	-8.8	-9.6	-8.6	-6.9	-5.1
9	-8.1	-9.7	-9.7	-9.6	-8.7	-9.6	-8.5	-8.9	-9.6	-8.8	-6.9	-5.1
10	-8.1	-9.7	-6.5	-9.6	-8.8	-9.6	-8.2	-9.0	-9.6	-8.9	-6.5	-5.1
11	-8.1	-9.7	-7.3	-9.6	-8.8	-9.6	-8.4	-9.2	-9.6	-8.9	-6.6	-5.1
12	-8.1	-9.7	-8.2	-9.6	-8.9	-9.0	-8.4	-9.3	-9.6	-8.9	-6.8	-5.1
13	-8.1	-9.8	-8.7	-9.6	-8.9	-7.3	-8.4	-9.5	-9.6	-9.0	-6.6	-5.1
14	-8.2	-9.8	-9.1	-9.6	-9.0	-8.1	-8.5	-9.5	-9.6	-6.9	2.9	-5.2
15	-8.2	-9.8	-9.4	-9.6	-9.0	-8.6	-8.5	-9.5	-9.6	-6.8	-1.7	-5.1
16	-8.2	-9.8	-9.6	-9.7	-9.1	-8.8	-8.5	-9.5	-9.7	-7.0	-2.8	-5.1
17	-8.2	-9.7	-9.6	-9.7	-9.2	-8.9	-8.5	-9.5	-9.7	-7.1	-3.4	-5.1
18	-8.2	-9.8	-9.6	-9.7	-9.2	-8.9	-8.5	-9.5	-9.7	-7.2	-3.9	-5.1
19	-8.2	-9.8	-9.6	-9.7	-9.3	-9.0	-8.5	-9.5	-9.7	-7.3	-4.2	-5.1
20	-8.2	-9.9	-9.6	-9.7	-9.3	-9.1	-8.5	-9.5	-9.8	-7.4	-4.5	-5.1
21	-8.2	-9.9	-9.6	-9.7	-9.4	-9.1	-8.6	-9.5	-9.8	-7.5	-4.7	-5.1
22	-8.2	-9.9	-9.6	-9.7	-9.4	-9.2	-8.6	-9.5	-9.6	-7.6	-4.9	-5.1
23	-8.2	-9.9	-9.6	-9.7	-9.5	-9.2	-8.6	-9.6	-8.8	-6.8	-5.0	-5.1
24	-8.2	-9.9	-9.6	-9.6	-9.5	-9.2	-8.6	-9.6	-8.9	-6.4	-5.1	-5.1
25	-8.2	-9.8	-9.6	-8.4	-9.5	-9.3	-8.6	-9.6	-9.1	-6.3	-5.2	-5.1
26	-8.2	-9.8	-9.6	-7.5	-9.5	-9.3	-8.6	-9.6	-9.1	-6.4	-5.3	-5.2
27	-8.2	-9.7	-9.6	-8.1	-9.5	-9.3	-8.6	-9.6	-9.2	-6.6	-5.3	-5.2
28	-8.2	-9.7	-9.6	-8.5	-9.6	-9.3	-8.6	-9.6	-9.3	-6.7	-5.3	-5.2
29	-8.3	-9.7	-9.6	-8.4	---	-9.4	-8.6	-9.6	-9.3	-6.8	-5.3	-5.2
30	-8.3	-9.7	-9.6	-7.9	---	-9.4	-8.6	-9.6	-9.4	-6.8	-5.3	-5.2
31	-8.3	---	-9.6	-8.4	---	-9.4	---	-9.6	---	-6.2	-5.4	---
MEAN	-8.2	-9.6	-9.4	-9.3	-8.9	-9.2	-8.6	-9.3	-9.5	-7.6	-5.2	-5.1
MAX	-8.1	-8.3	-2.4	-6.4	-5.7	-6.8	-8.1	-8.6	-8.7	-3.6	5.7	-5.0
MIN	-8.3	-9.9	-9.7	-9.7	-9.6	-9.6	-9.5	-9.6	-9.8	-9.5	-6.9	-5.3

WTR YR 2021 MEAN -8.32 MAX 5.67 MIN -9.94

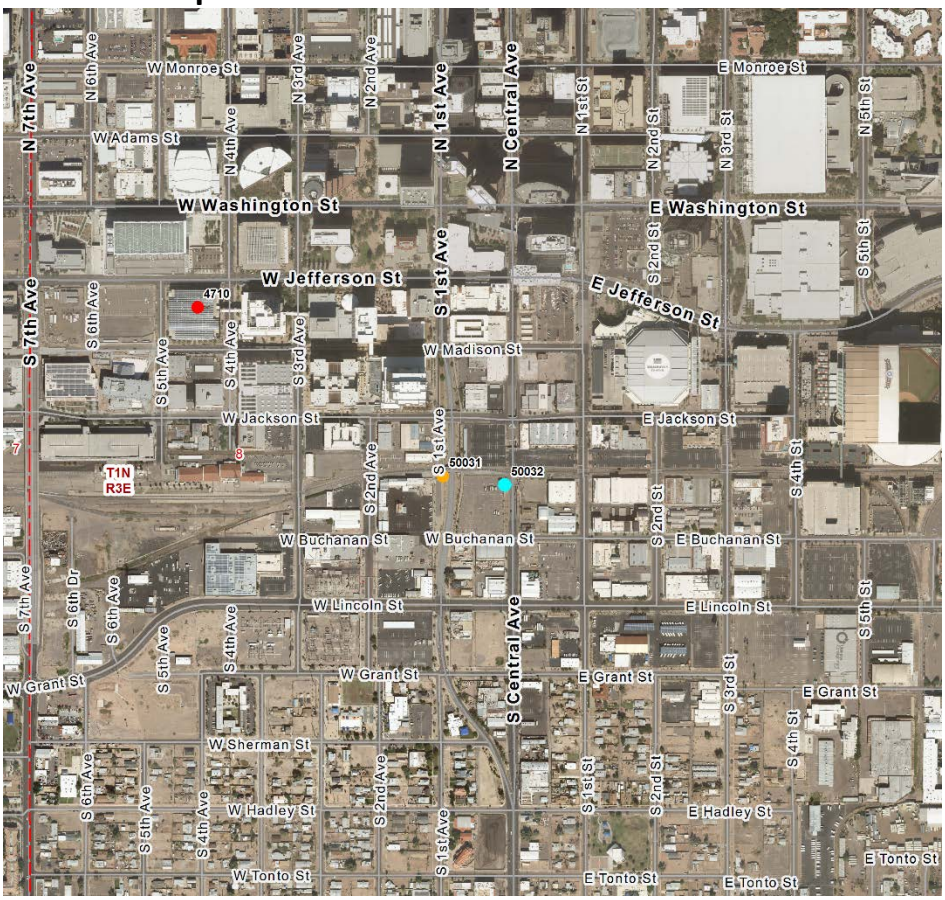
UPRR Underpass at Central Avenue, ID #3207

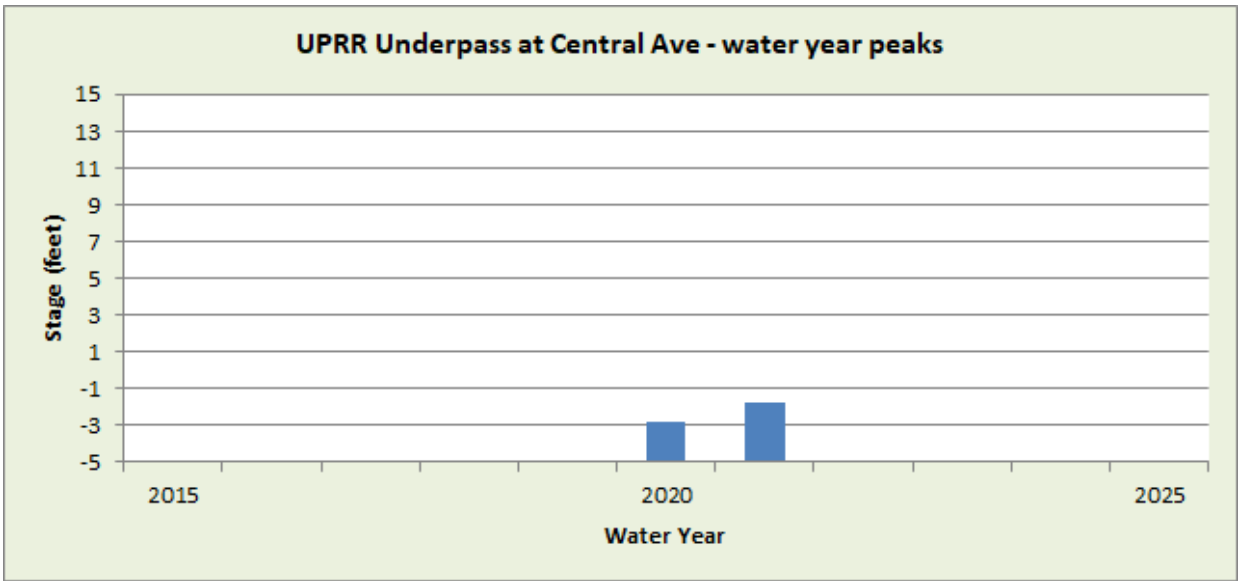


Site Data

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	4.34 Years | 1,585 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

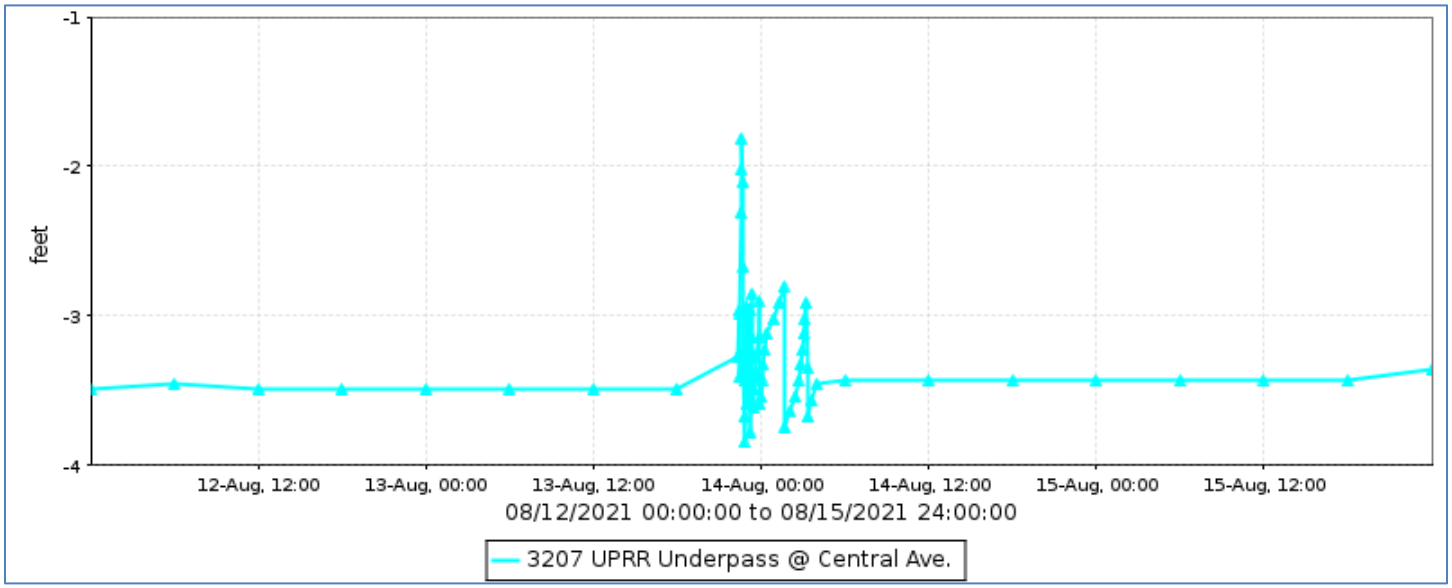




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/13/2021	-1.81	0.0	

Hydrograph of peak 2021 impoundment event, 08/13/2021



UPRR Underpass at Central Avenue, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-5.0	-5.0	-5.0	-4.4	-4.0	-4.8	-4.7	-4.9	-4.8	-4.9	-3.6	-3.4
2	-5.0	-5.0	-5.0	-4.5	-4.0	-4.8	-4.7	-4.9	-4.8	-4.9	-3.6	-2.9
3	-5.0	-5.0	-5.0	-4.5	-4.1	-4.8	-4.7	-4.9	-4.8	-4.6	-3.6	-2.9
4	-5.0	-5.0	-5.0	-4.6	-4.2	-4.9	-4.7	-4.9	-4.8	-3.3	-3.6	-2.9
5	-5.0	-5.0	-5.0	-4.6	-4.3	-4.9	-4.8	-4.9	-4.8	-3.4	-3.6	-3.0
6	-5.0	-5.0	-5.0	-4.6	-4.3	-4.9	-4.8	-4.9	-4.8	-3.4	-3.6	-3.0
7	-5.0	-5.0	-5.0	-4.7	-4.4	-4.9	-4.8	-4.9	-4.8	-3.4	-3.6	-3.0
8	-5.0	-5.0	-5.0	-4.7	-4.4	-4.9	-4.8	-4.9	-4.8	-3.5	-3.6	-3.0
9	-5.0	-5.0	-5.0	-4.7	-4.5	-4.9	-4.8	-4.9	-4.9	-3.4	-3.6	-3.0
10	-5.0	-5.0	-3.7	-4.7	-4.5	-4.9	-4.8	-4.9	-4.9	-3.4	-3.5	-3.0
11	-5.0	-5.0	-3.1	-4.7	-4.6	-4.9	-4.8	-4.9	-4.9	-3.4	-3.5	-3.0
12	-5.0	-5.0	-3.2	-4.8	-4.6	-4.1	-4.8	-4.9	-4.9	-3.5	-3.5	-3.1
13	-5.0	-5.0	-3.3	-4.8	-4.7	-3.3	-4.8	-4.9	-4.9	-3.5	-3.5	-3.1
14	-5.0	-5.0	-3.4	-4.8	-4.7	-3.6	-4.8	-4.9	-4.9	-3.3	-3.4	-3.1
15	-5.0	-5.0	-3.4	-4.8	-4.7	-3.8	-4.8	-4.9	-4.9	-3.2	-3.4	-3.0
16	-5.0	-5.0	-3.5	-4.8	-4.7	-3.9	-4.8	-4.9	-4.9	-3.2	-3.3	-3.0
17	-5.0	-5.0	-3.6	-4.8	-4.7	-4.0	-4.8	-4.9	-4.9	-3.3	-2.8	-3.0
18	-5.0	-5.0	-3.7	-4.8	-4.7	-4.1	-4.8	-5.0	-4.9	-3.3	-3.1	-3.0
19	-5.0	-5.0	-3.8	-4.8	-4.8	-4.2	-4.8	-4.9	-4.9	-3.3	-3.4	-2.9
20	-5.0	-5.0	-3.8	-4.8	-4.8	-4.2	-4.8	-4.9	-4.9	-3.4	-3.4	-2.9
21	-5.0	-5.0	-3.9	-4.8	-4.8	-4.3	-4.8	-4.9	-4.9	-3.4	-3.4	-2.9
22	-5.0	-5.0	-4.0	-4.8	-4.8	-4.3	-4.9	-5.0	-4.9	-3.4	-3.4	-2.9
23	-5.0	-5.0	-4.0	-4.8	-4.8	-4.4	-4.8	-5.0	-4.9	-3.3	-3.4	-2.9
24	-5.0	-5.0	-4.1	-4.4	-4.8	-4.4	-4.8	-5.0	-4.9	-3.2	-3.4	-2.9
25	-5.0	-5.0	-4.1	-3.9	-4.8	-4.5	-4.9	-5.0	-4.9	-3.3	-3.4	-2.9
26	-5.0	-5.0	-4.2	-3.4	-4.8	-4.5	-4.9	-4.8	-4.9	-3.5	-3.4	-3.2
27	-5.0	-5.0	-4.2	-3.5	-4.8	-4.6	-4.9	-4.8	-4.9	-3.5	-3.5	-3.6
28	-5.0	-5.0	-4.3	-3.6	-4.8	-4.6	-4.9	-4.8	-4.9	-3.5	-3.5	-3.6
29	-5.0	-5.0	-4.3	-3.5	---	-4.7	-4.9	-4.8	-4.9	-3.5	-3.5	-3.6
30	-5.0	-5.0	-4.4	-3.5	---	-4.7	-4.9	-4.8	-4.9	-3.5	-3.5	-3.6
31	-5.0	---	-4.4	-3.8	---	-4.7	---	-4.8	---	-3.6	-3.5	---
MEAN	-5.0	-5.0	-4.2	-4.5	-4.6	-4.5	-4.8	-4.9	-4.9	-3.5	-3.5	-3.1
MAX	-5.0	-5.0	-2.8	-2.9	-4.0	-2.8	-4.7	-4.7	-4.8	-2.8	-1.8	-2.8
MIN	-5.0	-5.0	-5.0	-4.8	-4.8	-4.9	-4.9	-5.0	-5.0	-5.0	-3.8	-3.7

WTR YR 2021 MEAN -4.36 MAX -1.81 MIN -5.00

US60 at Gold Canyon, ID #36907

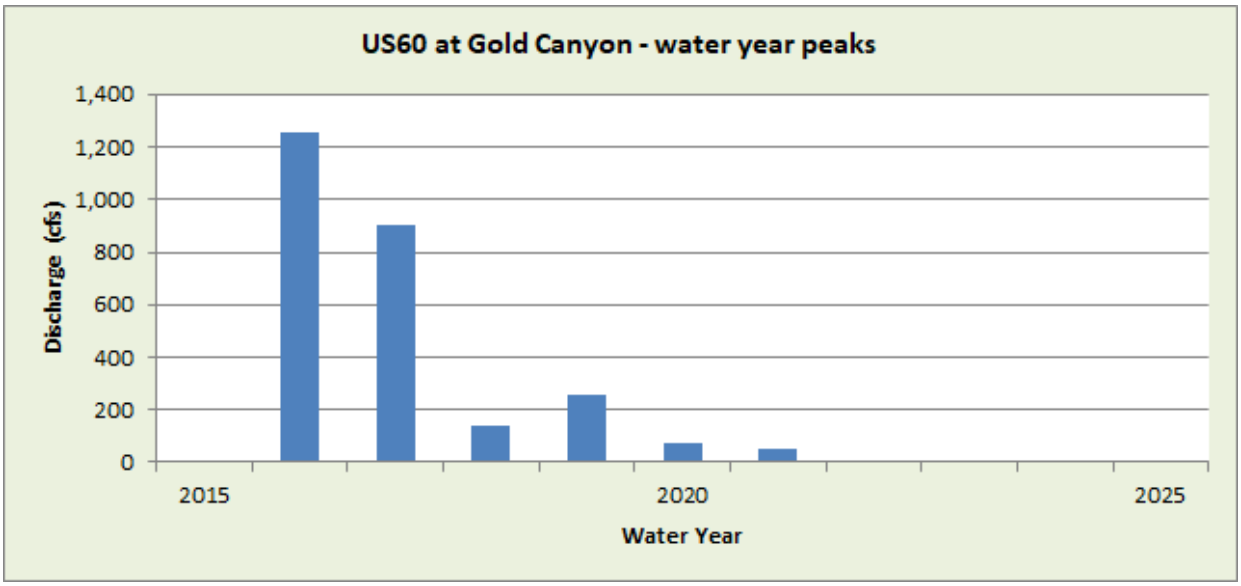


Site Data

LOCATION	Located near Superstition Mountain Drive and US60 in Gold Canyon
DRAINAGE AREA	9.25 mi^2
STREAM TYPE	Natural wash flows through 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	5.39 Years | 1,969 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

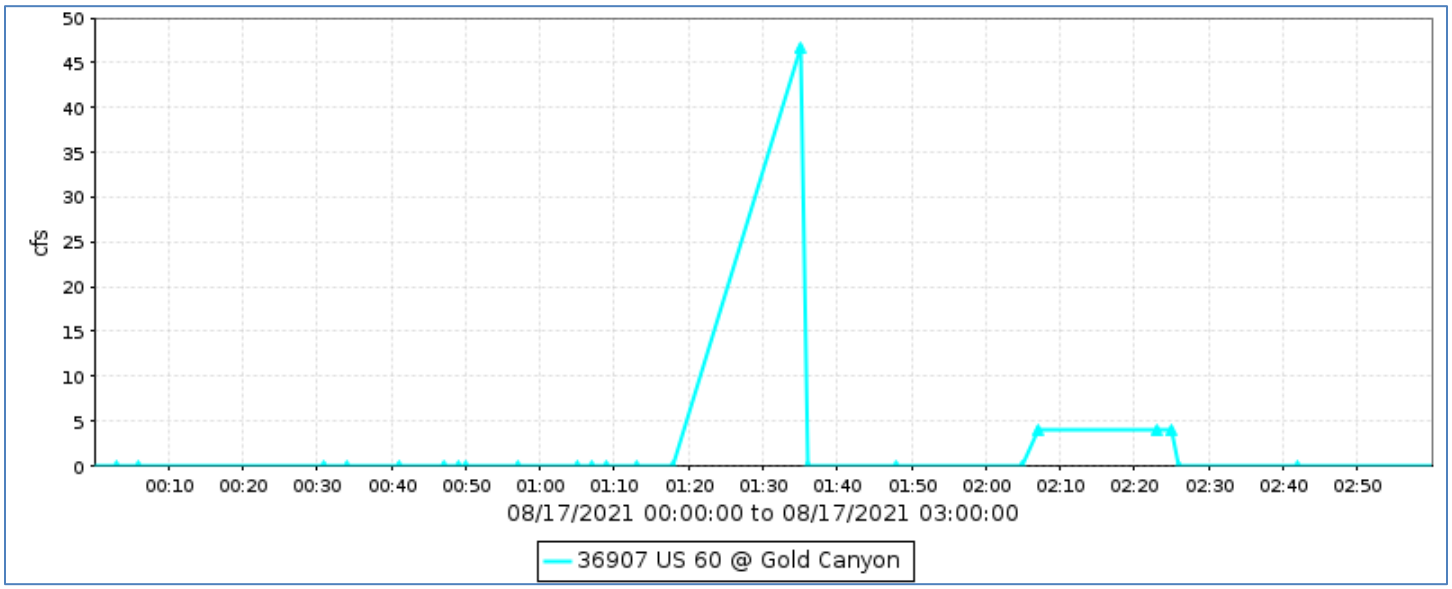




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/13/2021	0.80	10
08/14/2021	0.70	4
08/17/2021	1.00	47

Hydrograph of peak WY 2021 flow event, 08/17/2021



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 2020 to September 2021

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	47	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 2021 TOTAL 0 MEAN 0 MAX 47 MIN 0 AC_FT 0

Vekol Wash, ID #74507

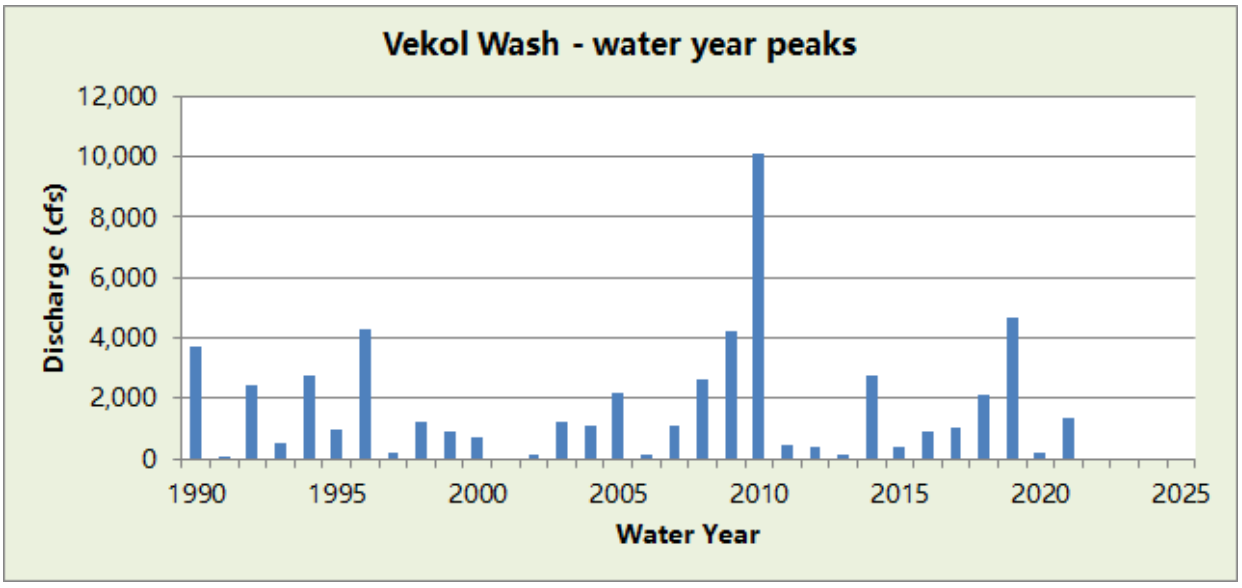


Site Data

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	31.57 Years | 11,531 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

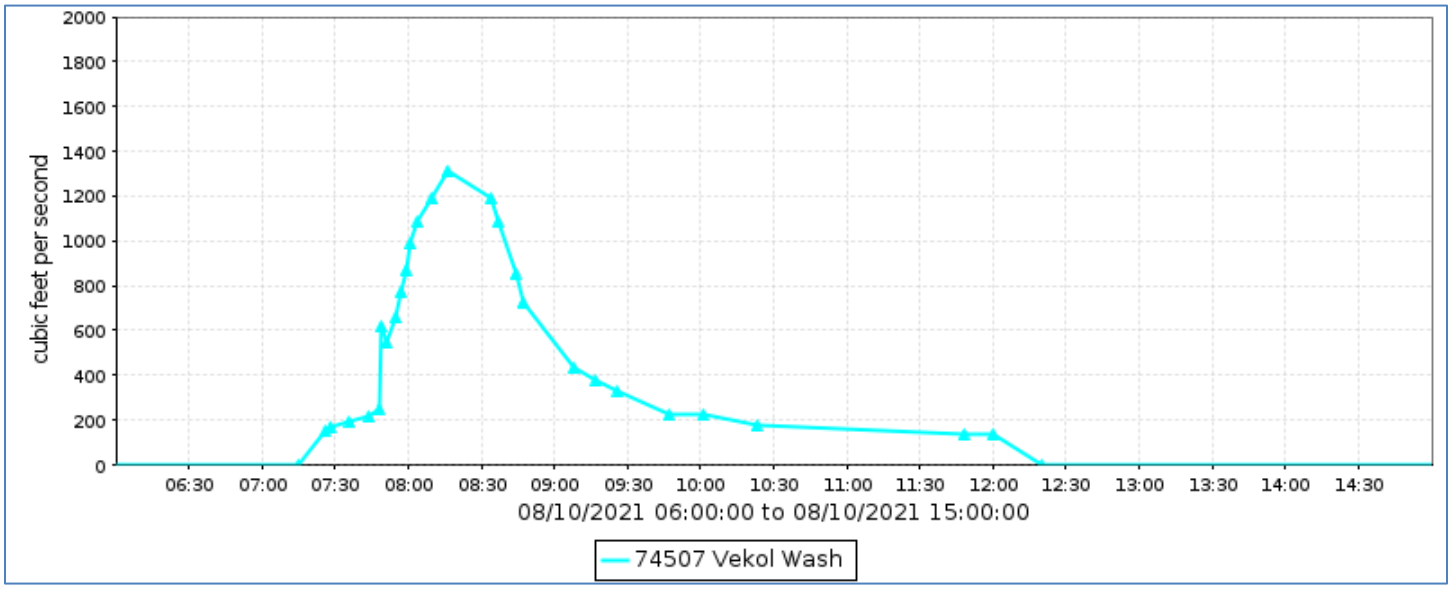




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/22/2021	6.09	512
07/23/2021	5.72	314
07/31/2021	5.52	244
08/10/2021	6.94	1,314
08/11/2021	5.80	350
08/12/2021	6.19	581

Hydrograph of peak WY 2021 flow event, 08/10/2021



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**
971	**2,630**	**4,300**	**6,340**	**9,670**	**12,700**

NOTE: These results are based on limited data.

Vekol Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											85	
11											31	
12											29	
13												
14												
15										8		
16									---			
17									---			
18									---			
19									---			
20												
21												
22										244		
23										33	---	
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---	28		---
TOTAL	0	0	0	0	0	0	0	0	0	96	146	0
MEAN	0	0	0	0	0	0	0	0	0	3	5	0
MAX	0	0	0	0	0	0	0	0	0	512	1314	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	191	289	0

WTR YR 2021 TOTAL 242 MEAN 1 MAX 1314 MIN 0 AC_FT 480

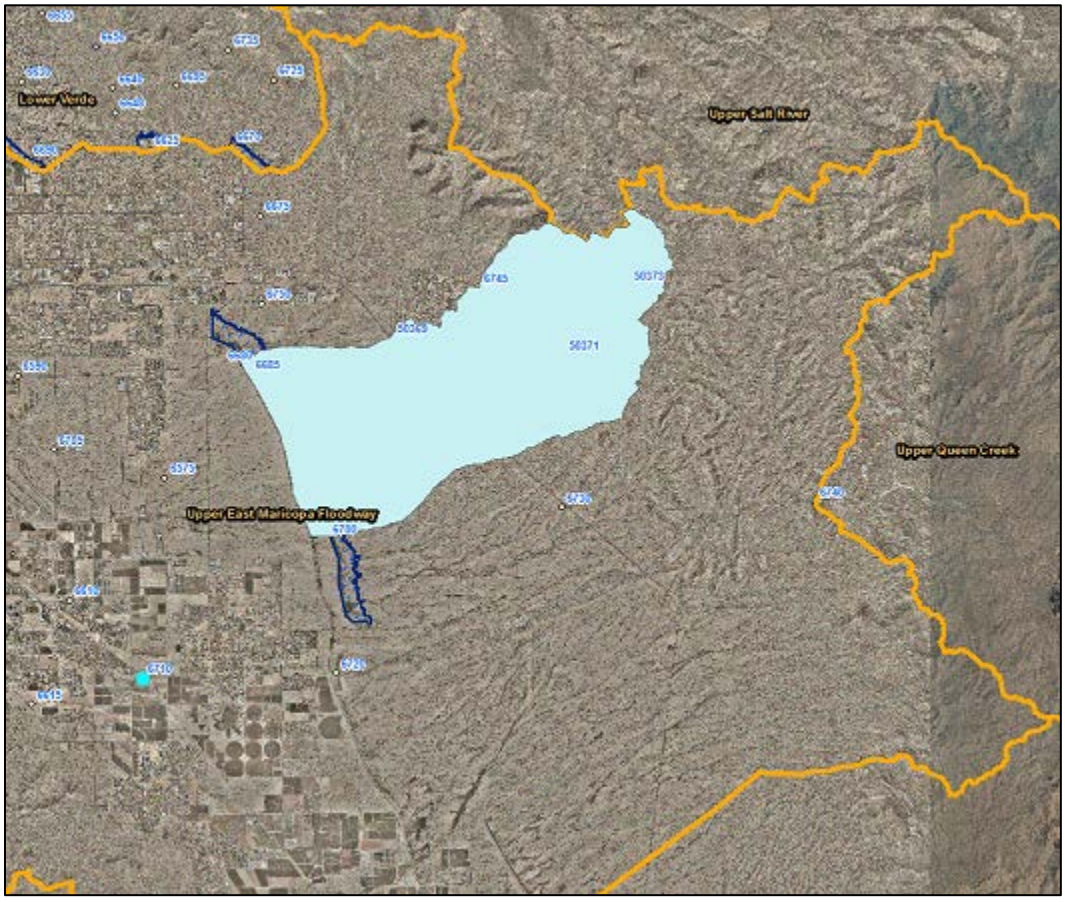
Vineyard FRS, ID #37007

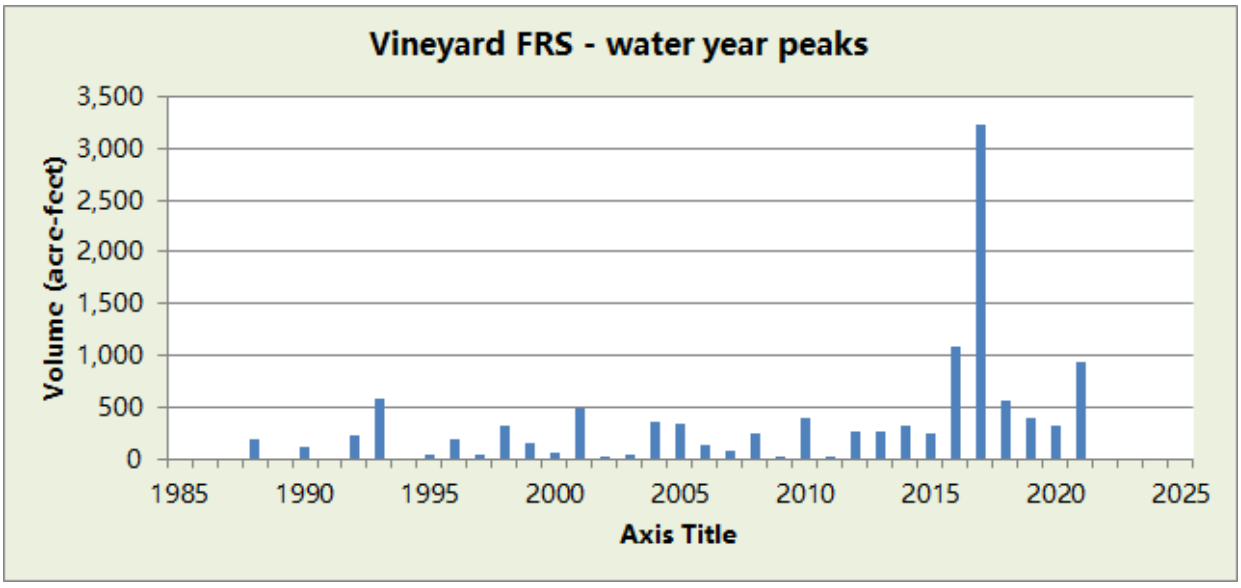


Site Data

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	33.89 Years | 12,380 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



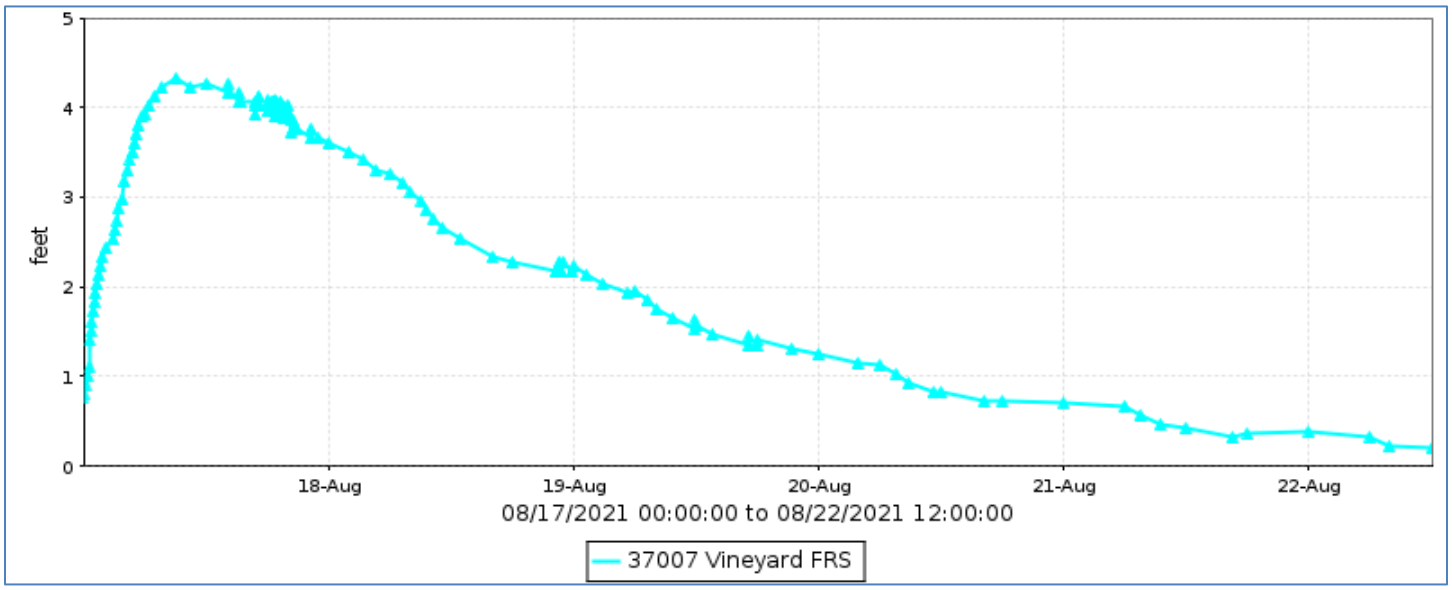


WY2021 Events*

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/25/2021	3.83	802.5	17.3
08/11/2021	1.52	233.9	5.3
08/14/2021	3.03	574.6	12.4
08/17/2021	4.26	934.0	20.0

*NOTE: Due to unfinished construction, peak volumes are greater than actual.

Hydrograph of peak 2021 impoundment event, 08/17/2021



Vineyard FRS, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											1	
13												
14											40	
15											22	
16											6	
17											69	
18											43	
19											19	
20											8	
21											3	
22											1	
23										19		
24										37		
25										62		
26										41		
27										17		
28										5		
29					---					2		
30					---					1		
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	183	216	0
MEAN	0	0	0	0	0	0	0	0	0	6	7	0
MAX	0	0	0	0	0	0	0	0	0	71	88	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	364	428	0

WTR YR 2021 TOTAL 399 MEAN 1 MAX 88 MIN 0 AC_FT 792

Vineyard FRS, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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											70	
12											25	
13												
14											491	
15											295	
16											105	
17											776	
18											521	
19											266	
20											126	
21											68	
22											26	
23										251		
24										449		
25										716		
26										507		
27										242		
28										85		
29					---					56		
30					---					17		
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	75	89	0
MAX	0	0	0	0	0	0	0	0	0	803	956	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 14 MAX 956 MIN 0

Vineyard FRS, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.6	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	2.7	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.8	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.7	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.8	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.7	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.6	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.4	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.5	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.8	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.5	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.4	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	0.6	0.6	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.8	4.3	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 2021 MEAN 0.27 MAX 4.33 MIN 0.20

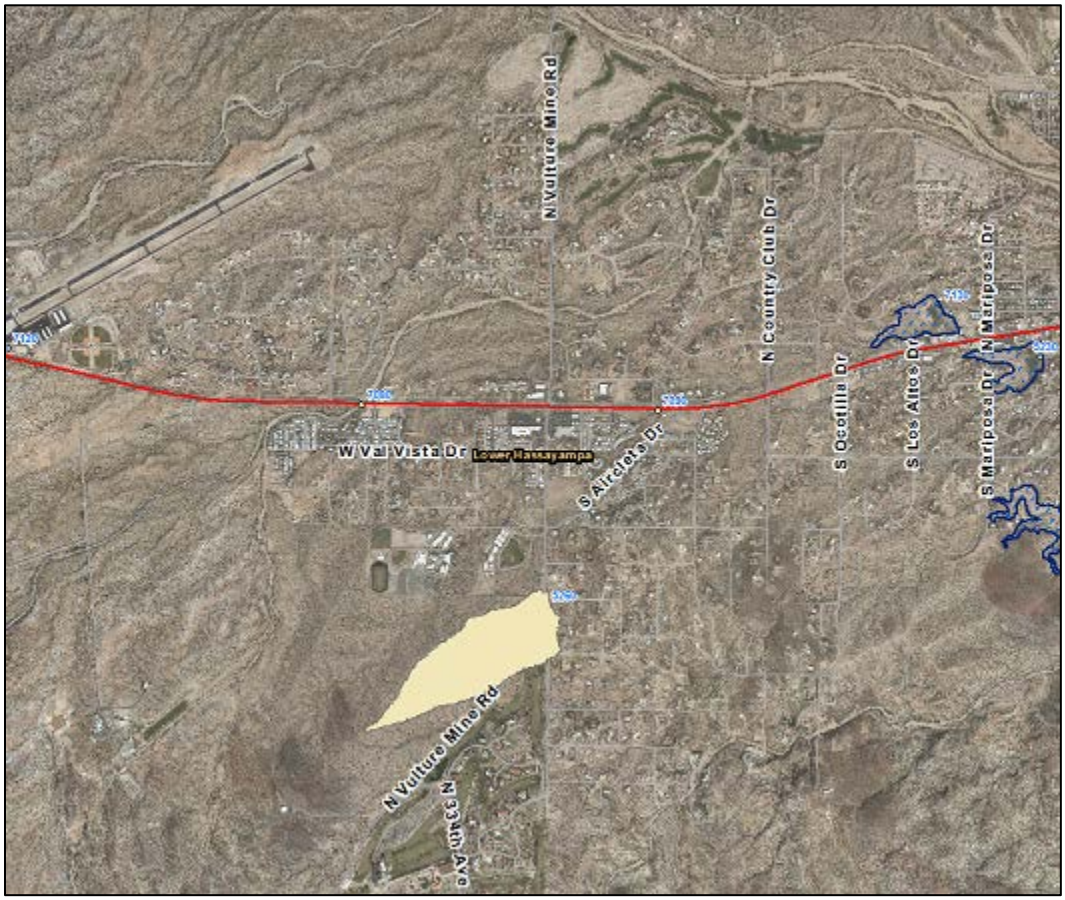
Vulture Mine Road, ID #47007

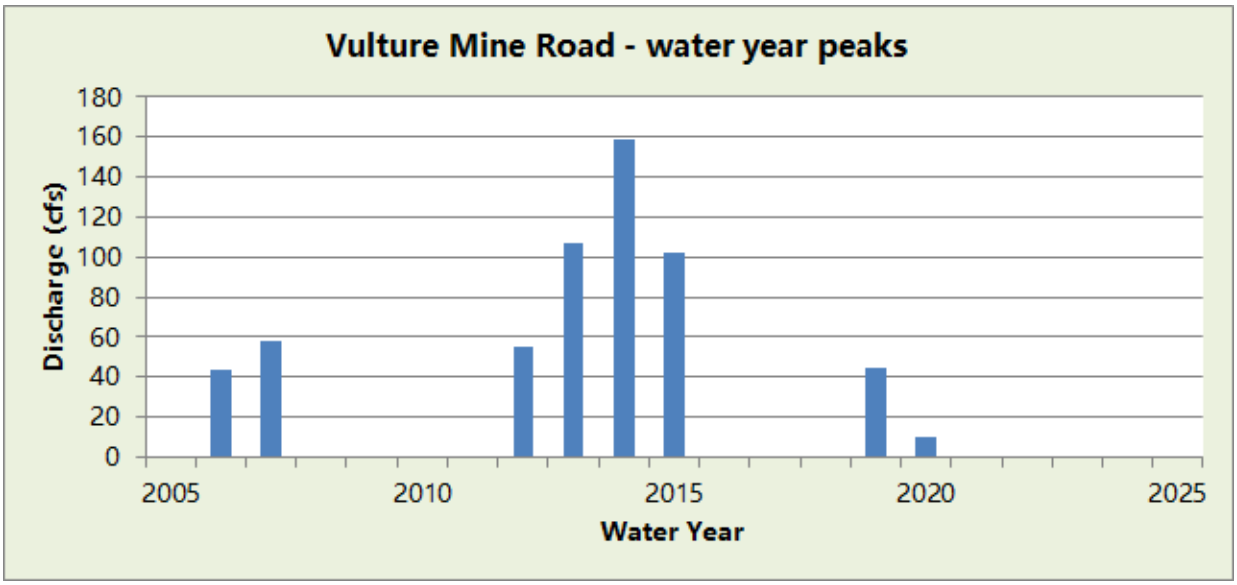


Site Data

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	15.93 Years | 5,820 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded during Water Year 2021.

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 2020 to September 2021

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					
9												
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23												
24												
25				---								
26				---								
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	9	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	18	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	18	0	0	0	0	0

WTR YR 2021 TOTAL 9 MEAN 0 MAX 18 MIN 0 AC_FT 18

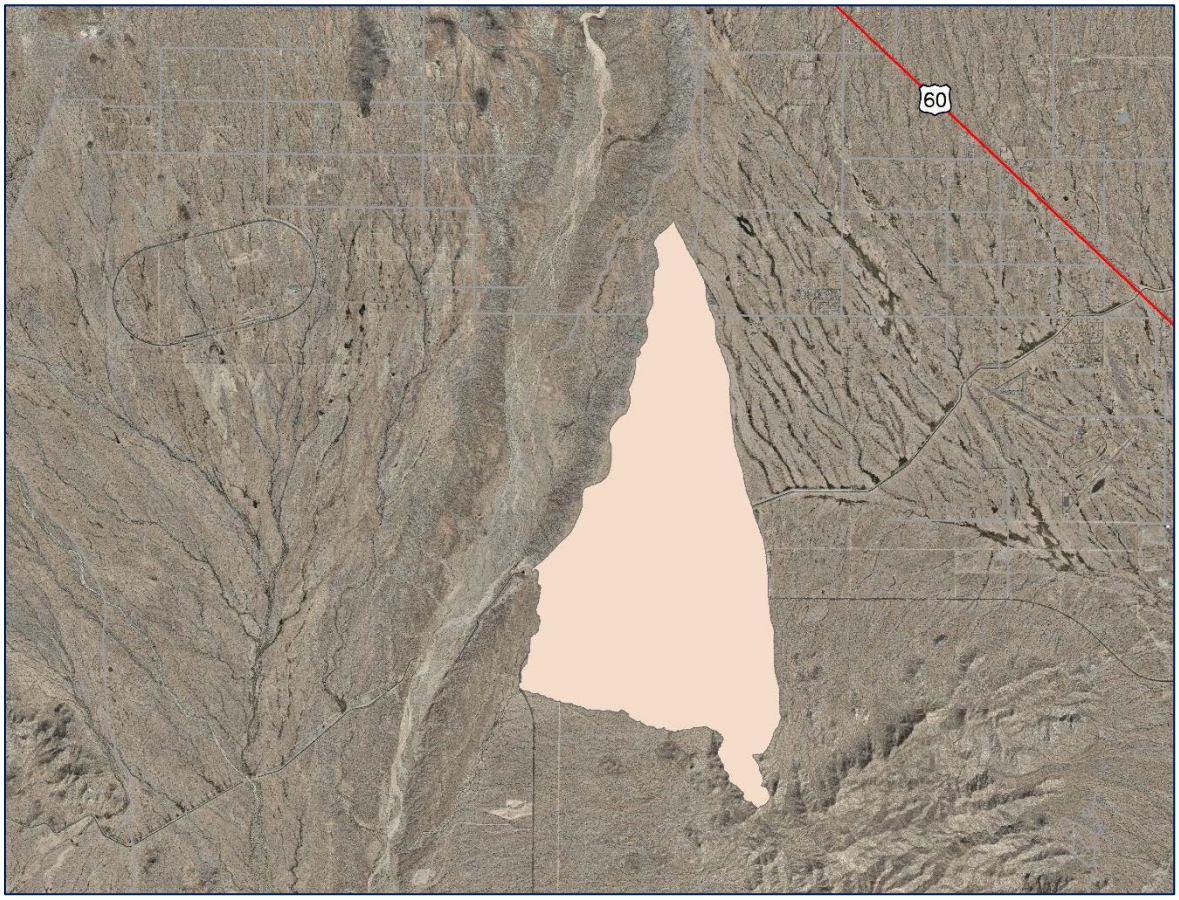
Wagner Wash at Sun Valley Parkway, ID #44707

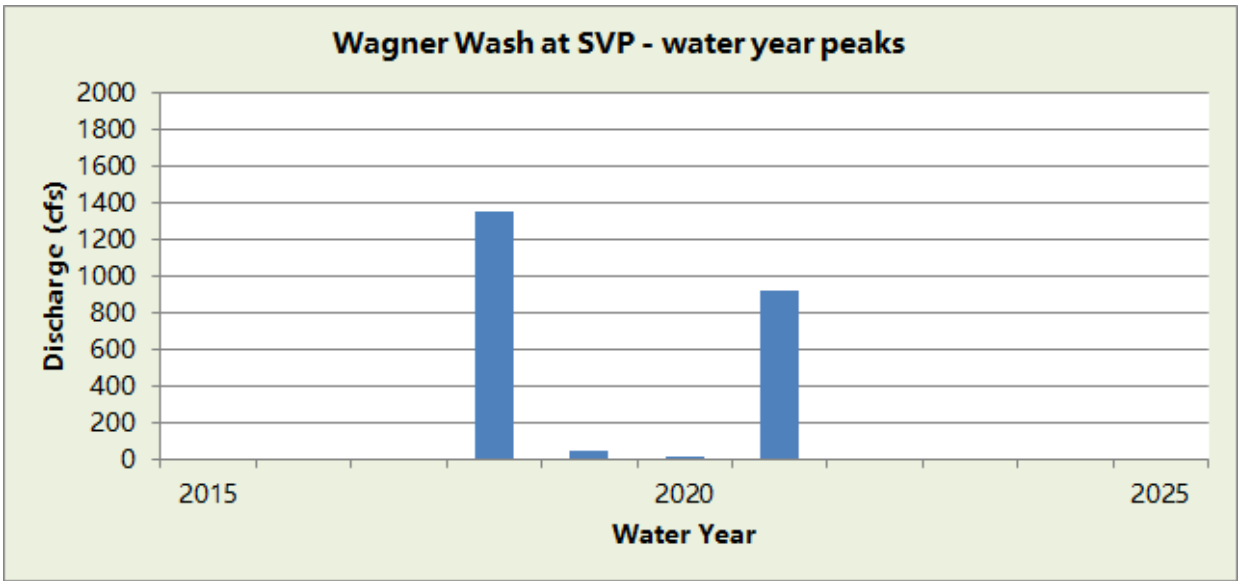


Site Data

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	4.62 Years | 1,688 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

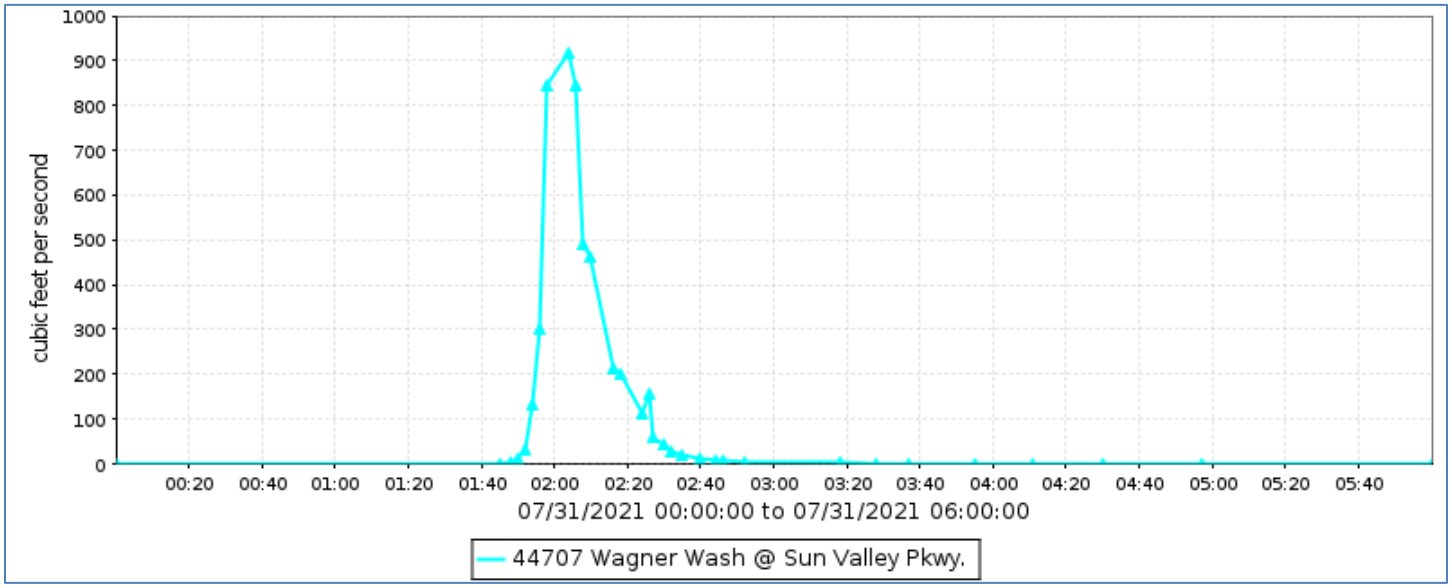




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
		`
07/31/2021	2.70	917

Hydrograph of peak WY 2021 flow event, 07/31/2021



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 2020 to September 2021

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		---			---		---		---	11		---
TOTAL	0	0	0	0	0	0	0	0	0	11	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	917	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	22	0	0

WTR YR 2021 TOTAL 11 MEAN 0 MAX 917 MIN 0 AC_FT 22

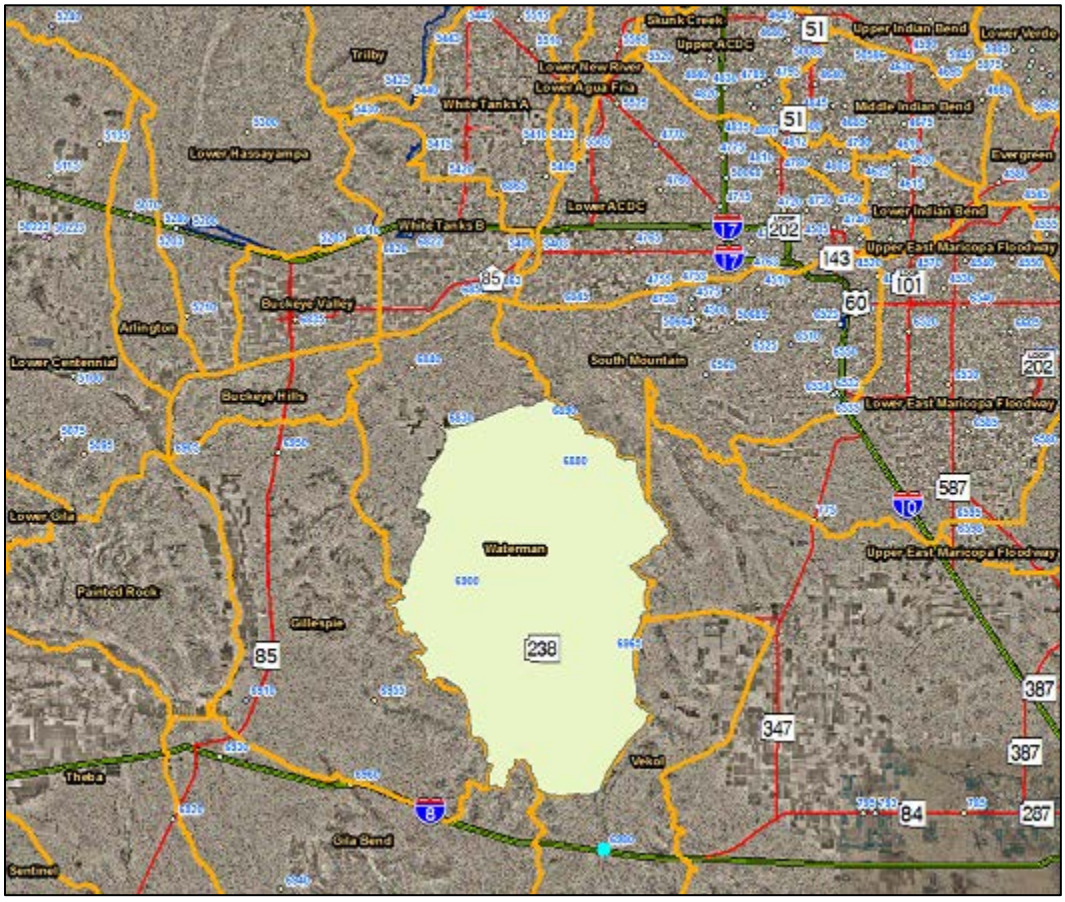
Waterman Wash at Rainbow Valley Road, ID #83307

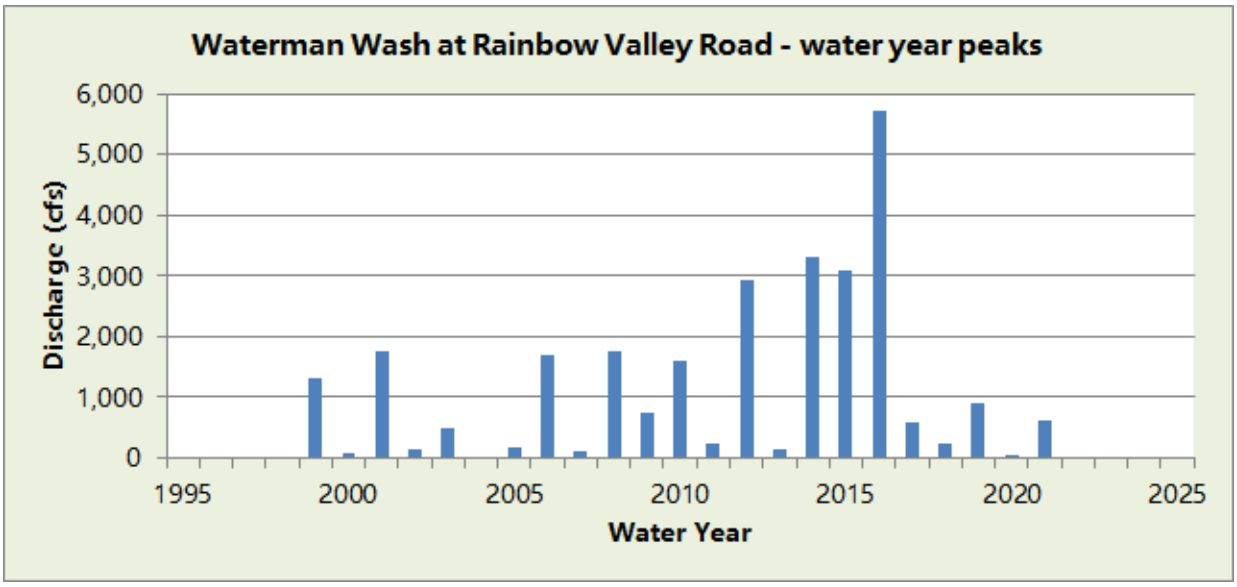


Site Data

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	22.54 Years | 8,233 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

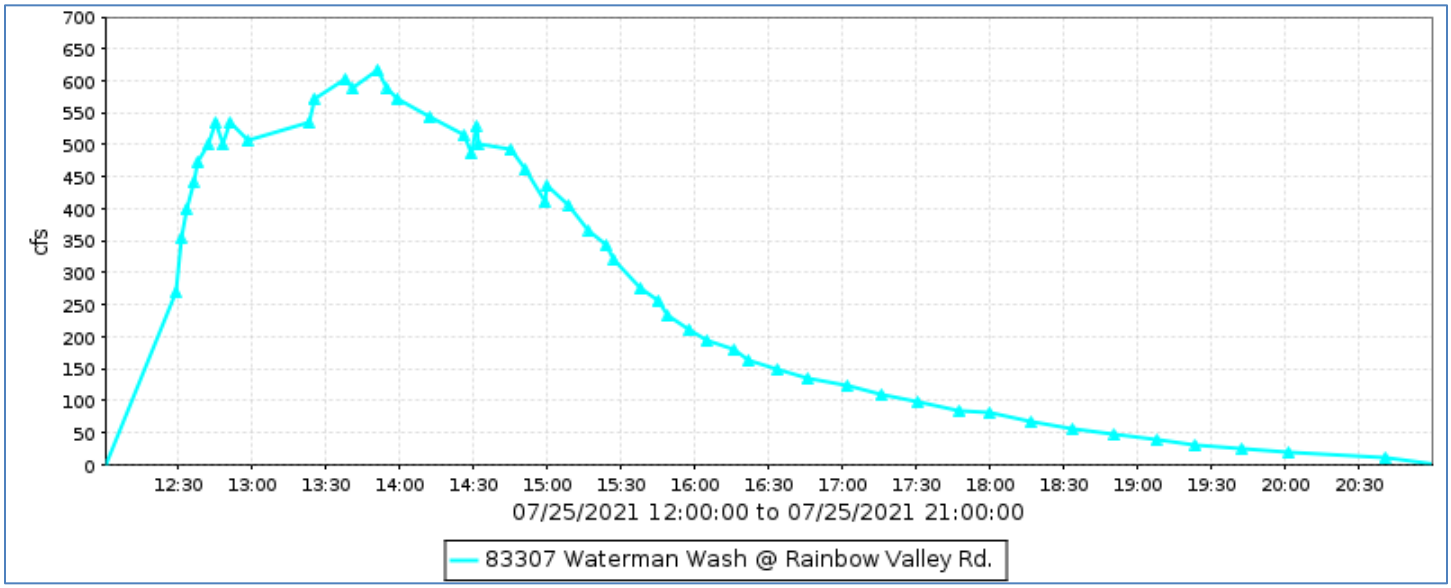




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/25/2021	4.66	618
08/11/2021	2.51	145
08/14/2021	2.04	84
08/18/2021	1.29	19

Hydrograph of peak WY 2021 flow event, 07/25/2021



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**
670	**2,130**	**3,350**	**4,530**	**5,960**	**6,900**

NOTE: These results are based on very limited data.

Waterman Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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											16	
12											8	
13												
14											10	
15												
16												
17												
18											1	
19												
20												
21												
22												
23												
24												
25										85		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	85	36	0
MEAN	0	0	0	0	0	0	0	0	0	3	1	0
MAX	0	0	0	0	0	0	0	0	0	618	145	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	168	71	0

WTR YR 2021 TOTAL 120 MEAN 0 MAX 618 MIN 0 AC_FT 239

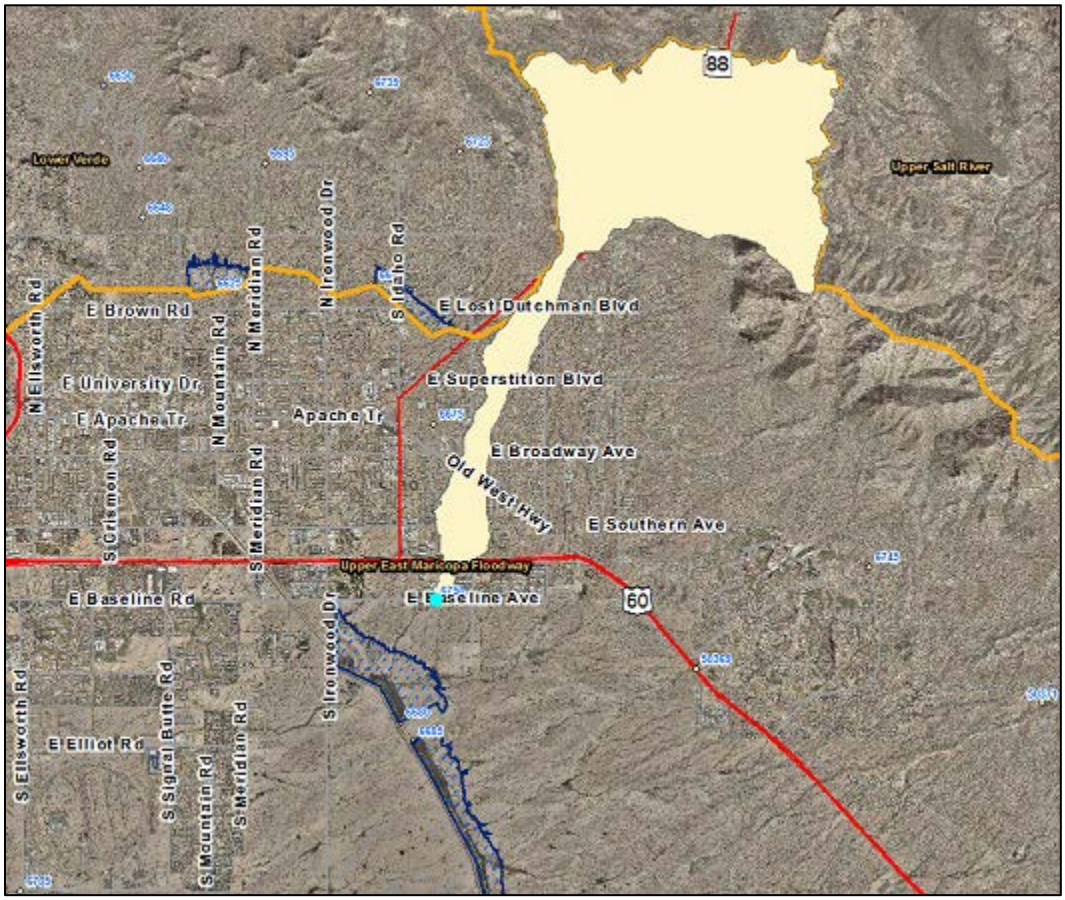
Weekes Wash at Baseline Road, ID #39207

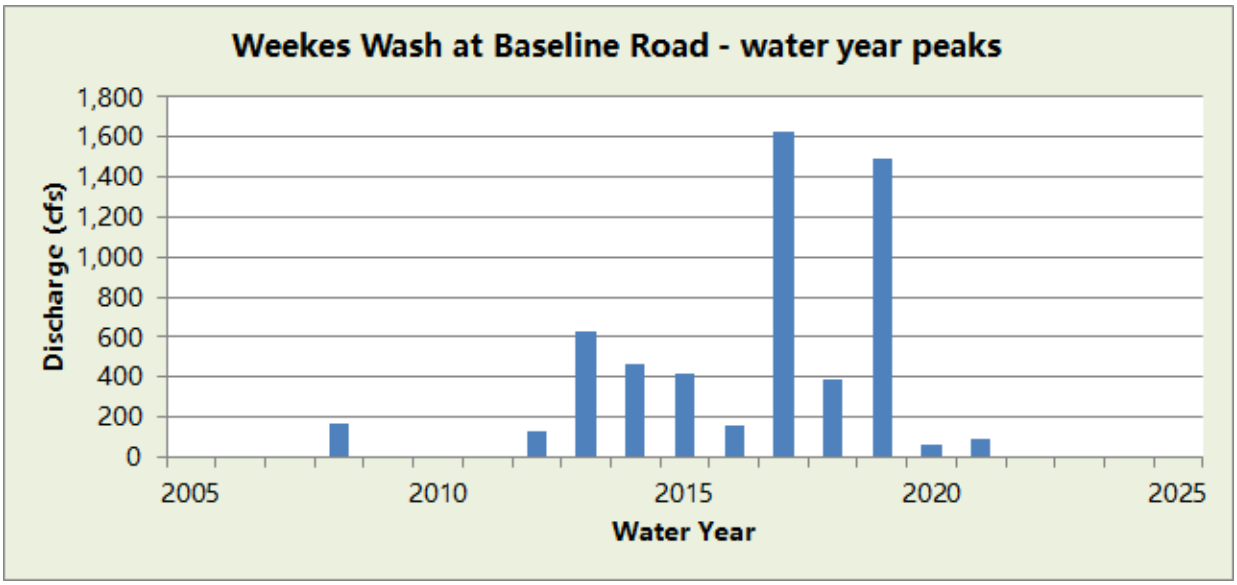


Site Data

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	13.35 Years | 4,875 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

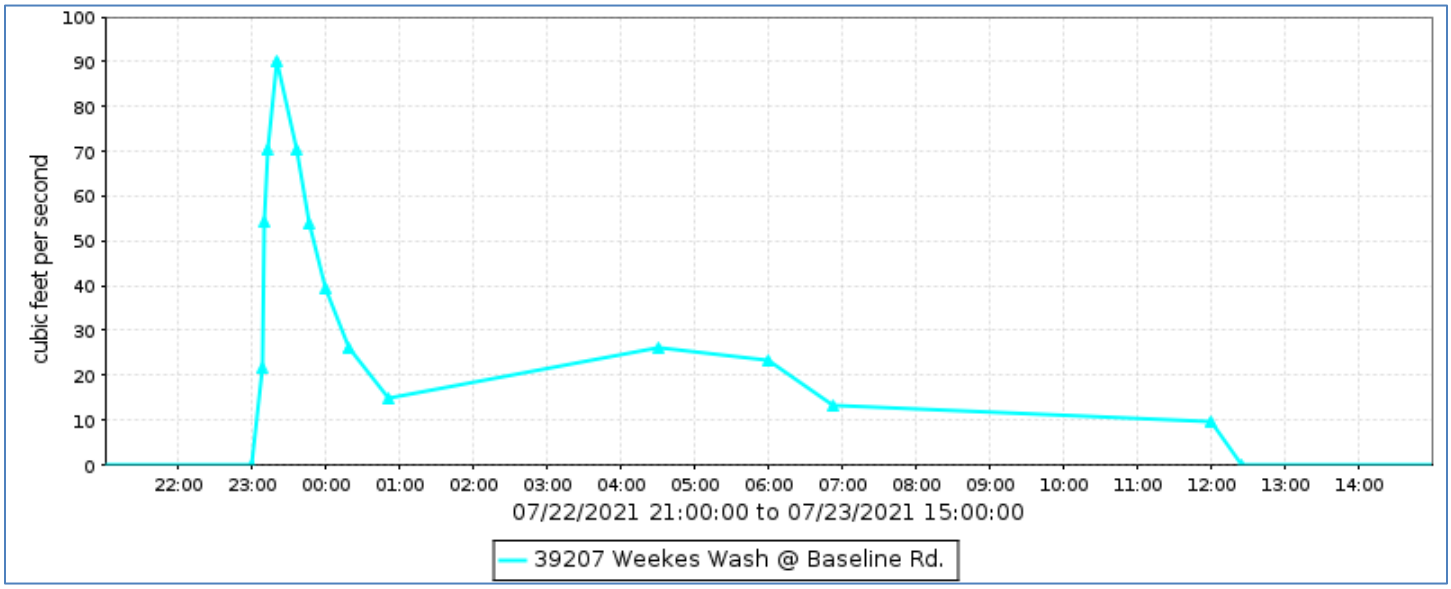




WY2021 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
07/22/2021	0.92	90
07/24/2021	0.77	68
08/10/2021	0.44	28
08/11/2021	0.74	63
08/14/2021	0.84	78
08/17/2021	0.84	78
09/02/2021	0.44	28

Hydrograph of peak WY 2021 flow event, 07/22/2021



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**
259	**1,050**	**1,960**	**3,130**	**5,020**	**6,690**

Weekes Wash at Baseline Road, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												2
3												
4												
5												
6												
7												
8												
9												
10											1	
11											9	
12												
13											1	
14											10	
15												
16											3	
17											4	
18												
19												
20												
21												
22										3		
23										9		
24										5		
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	17	28	2
MEAN	0	0	0	0	0	0	0	0	0	1	1	0
MAX	0	0	0	0	0	0	0	0	0	90	78	28
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	33	55	4

WTR YR 2021 TOTAL 47 MEAN 0 MAX 90 MIN 0 AC_FT 92

White Tanks FRS #3, ID #87307

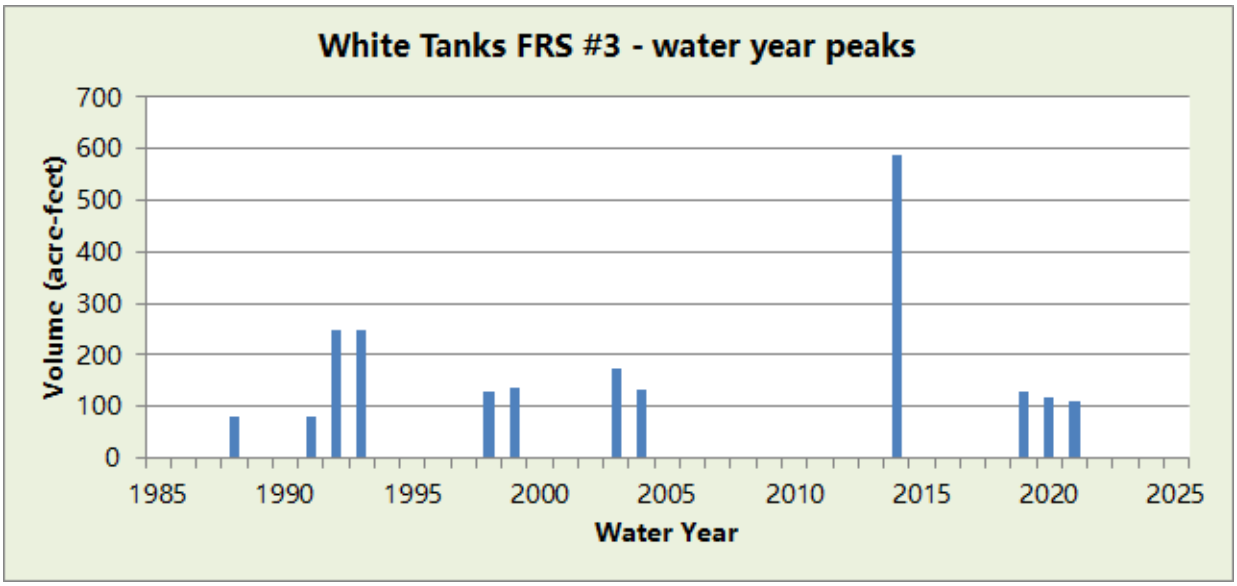


Site Data

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	33.75 Years | 12,327 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

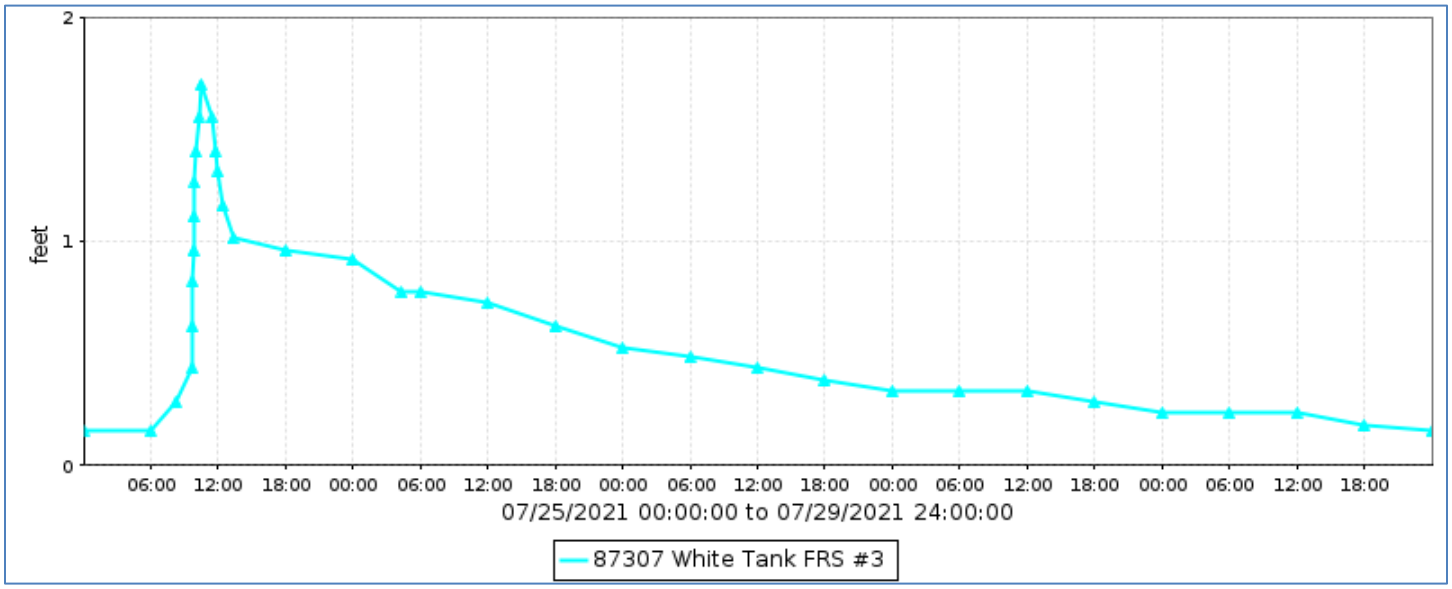




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/16/2021	1.31	0.0	0.0
07/25/2021	1.70	111.0	3.2

Hydrograph of peak 2021 impoundment event, 07/25/2021



White Tanks FRS #3, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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		---			---		---		---			---
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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

White Tanks FRS #3, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
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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	111	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 111 MIN 0

White Tanks FRS #3, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	0.8	0.1	0.1	0.1	0.1	0.1
2	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
3	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
4	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
5	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
6	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
7	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
8	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
9	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
10	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
11	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
12	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
13	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
14	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
15	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
16	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.2	0.1	0.1
17	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.4	0.1	0.1
18	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.2	0.1	0.1
19	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
20	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
21	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
22	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
23	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
24	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1
25	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.7	0.1	0.1
26	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.7	0.1	0.1
27	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.5	0.1	0.1
28	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.3	0.1	0.1
29	1.5	1.5	1.5	1.5	---	1.5	0.1	0.1	0.1	0.2	0.1	0.1
30	1.5	1.5	1.5	1.5	---	1.5	0.1	0.1	0.1	0.1	0.1	0.1
31	1.5	---	1.5	1.5	---	1.5	---	0.1	---	0.1	0.1	---
MEAN	1.5	1.5	1.5	1.5	1.5	1.5	0.2	0.1	0.1	0.2	0.1	0.1
MAX	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	1.7	0.1	0.1
MIN	1.5	1.5	1.5	1.5	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 2021 MEAN 0.83 MAX 1.70 MIN 0.15

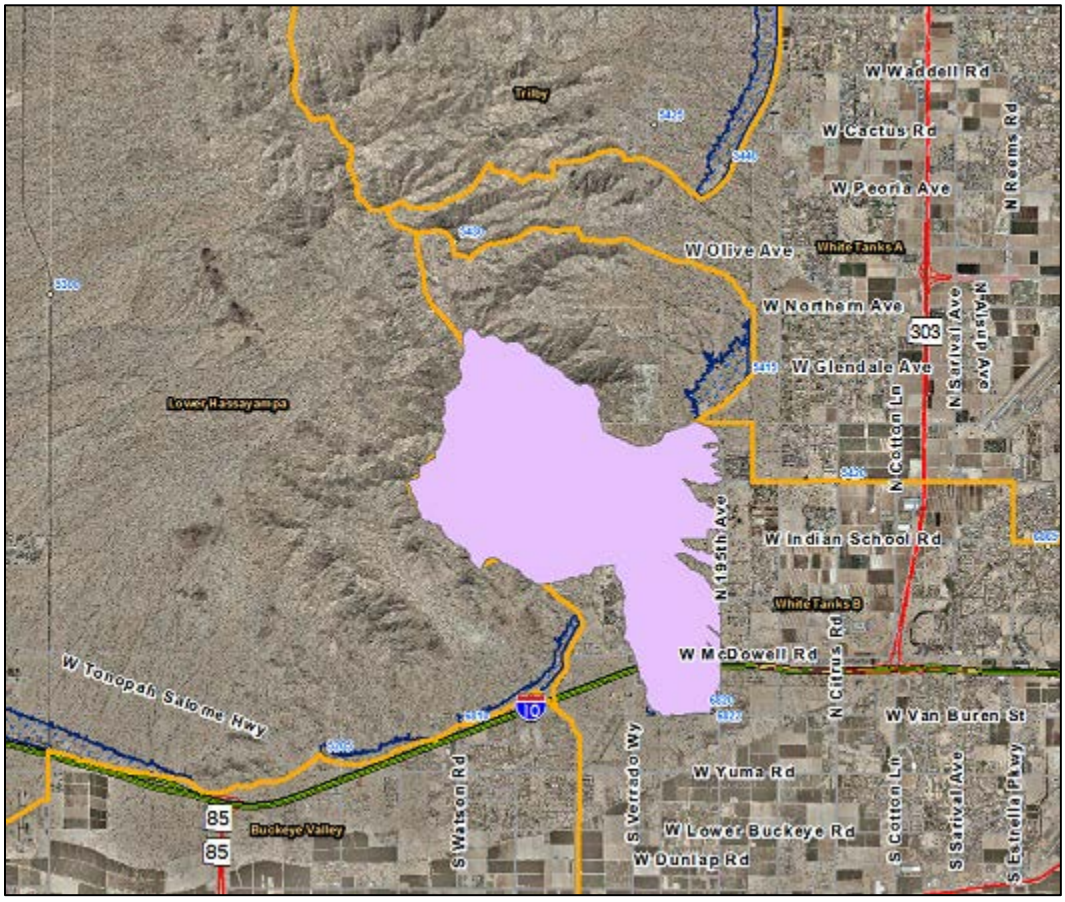
White Tanks FRS #4, ID #87807

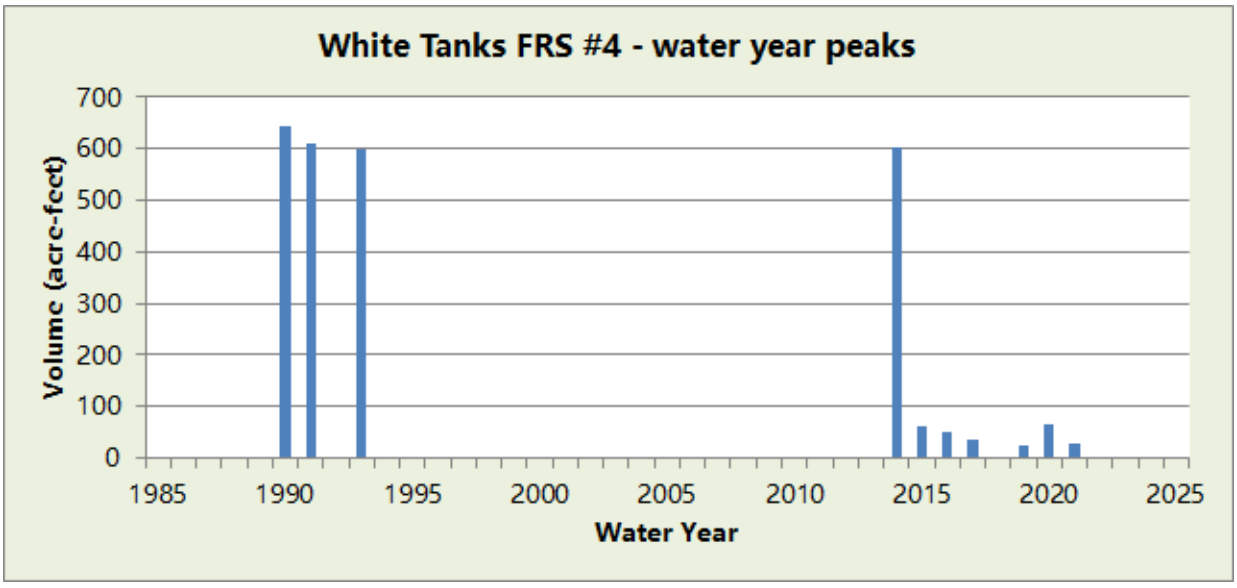


Site Data

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	34.00 Years | 12,419 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	1,059.10 feet NAVD88

Watershed Map

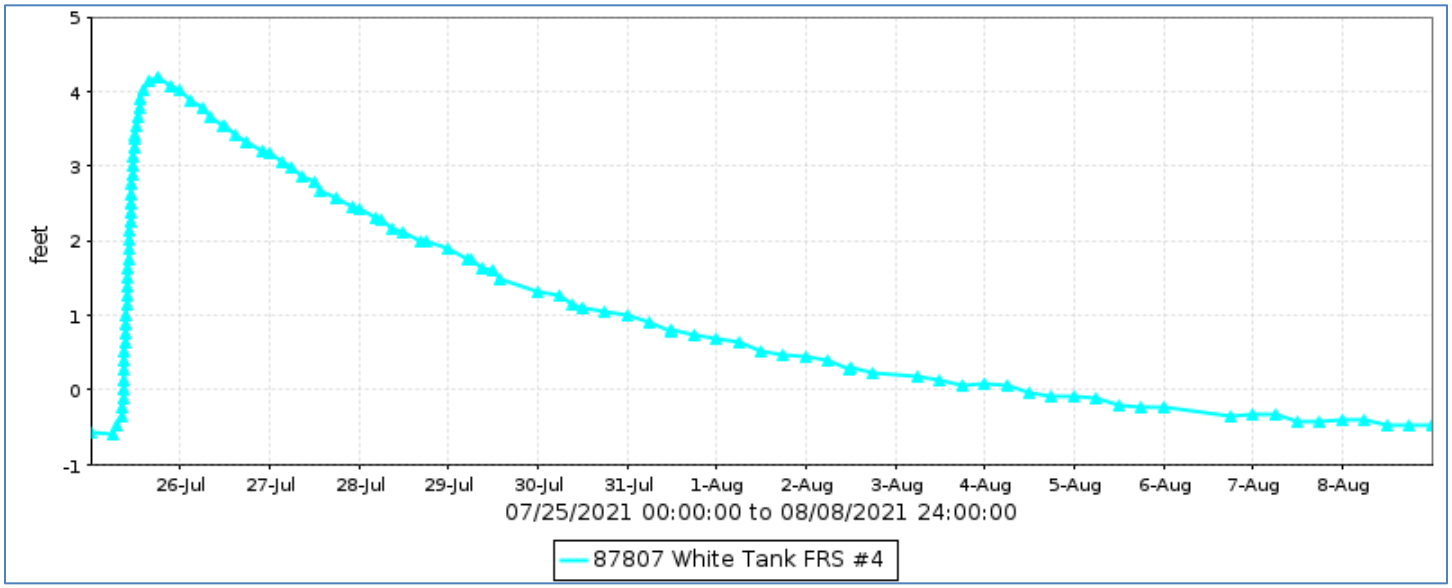




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/25/2021	4.20	29.0	2.0
08/14/2021	2.63	11.8	0.9
09/02/2021	0.66	0.1	0.1

Hydrograph of peak WY 2021 flow event, 07/25/2021



White Tanks FRS #4, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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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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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

White Tanks FRS #4, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

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											10	
15										---	6	
16										---	4	
17										---	3	
18										---	2	
19											1	
20												
21												
22												
23												
24												
25										15		
26										22		
27										14		
28										8		
29					---					5		
30					---					2		
31		---			---		---		---	1		---
MEAN	0	0	0	0	0	0	0	0	0	2	1	0
MAX	0	0	0	0	0	0	0	0	0	29	12	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 0 MAX 29 MIN 0

White Tanks FRS #4, stage data

Depth, in feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.6	-0.1
2	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.3	0.5
3	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.2	0.3
4	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	0.1
5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.2	0.1
6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.3	0.0
7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.4	-0.0
8	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.4	-0.1
9	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.2
10	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.2
11	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.2
12	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.3
13	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.3
14	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	2.4	-0.4
15	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	---	1.9	-0.5
16	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	---	1.5	-0.6
17	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	---	1.4	-0.6
18	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	---	1.2	-0.6
19	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.1	0.9	-0.6
20	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.2	0.7	-0.6
21	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.4	0.5	-0.6
22	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	0.3	-0.6
23	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.2	-0.6
24	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	0.1	-0.6
25	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	2.1	0.1	-0.6
26	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	3.6	0.0	-0.6
27	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	2.8	-0.0	-0.6
28	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	2.2	-0.1	-0.6
29	-0.6	-0.6	-0.6	-0.6	---	-0.6	-0.6	-0.6	-0.6	1.6	-0.1	-0.6
30	-0.6	-0.6	-0.6	-0.6	---	-0.6	-0.6	-0.6	-0.6	1.2	-0.2	-0.6
31	-0.6	---	-0.6	-0.6	---	-0.6	---	-0.6	---	0.9	-0.2	---
MEAN	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.0	0.2	-0.3
MAX	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	4.2	2.6	0.7
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 2021 MEAN -0.45 MAX 4.20 MIN -0.60

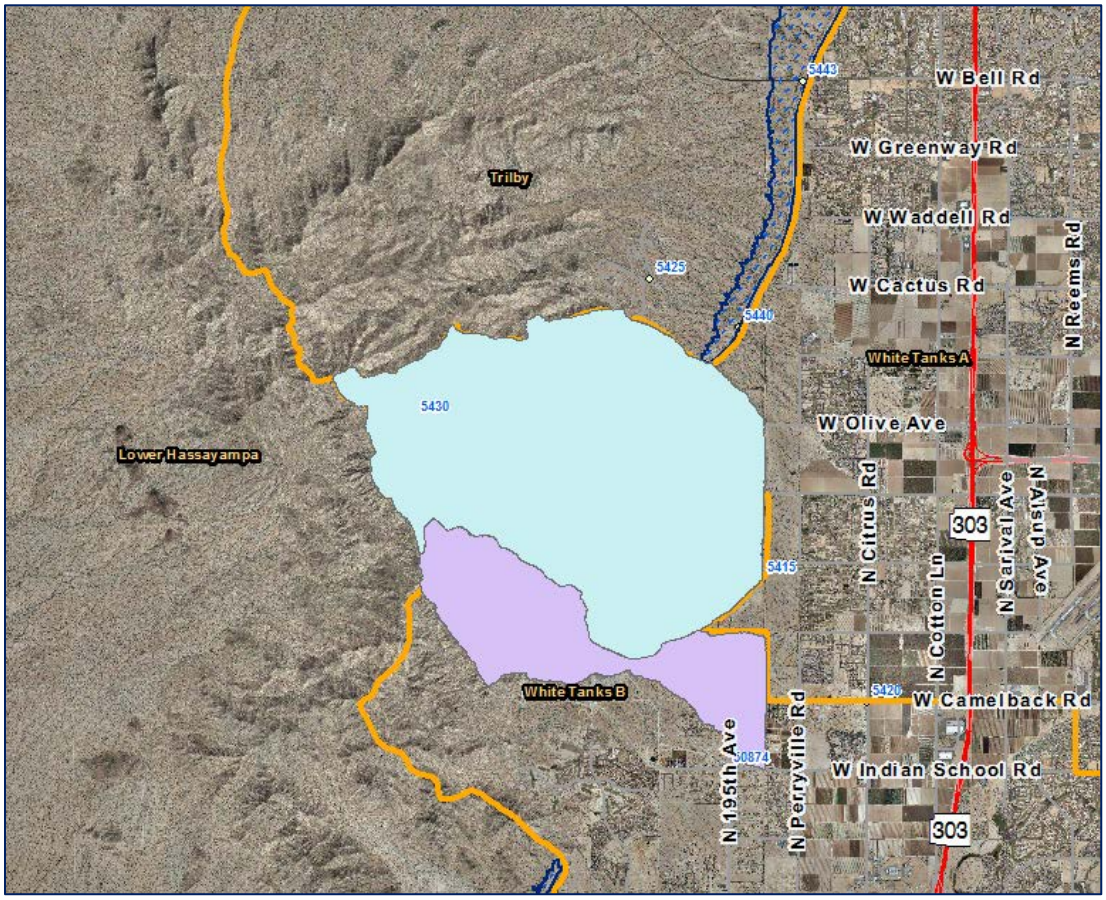
White Tank Outfall Channel, ID #87407

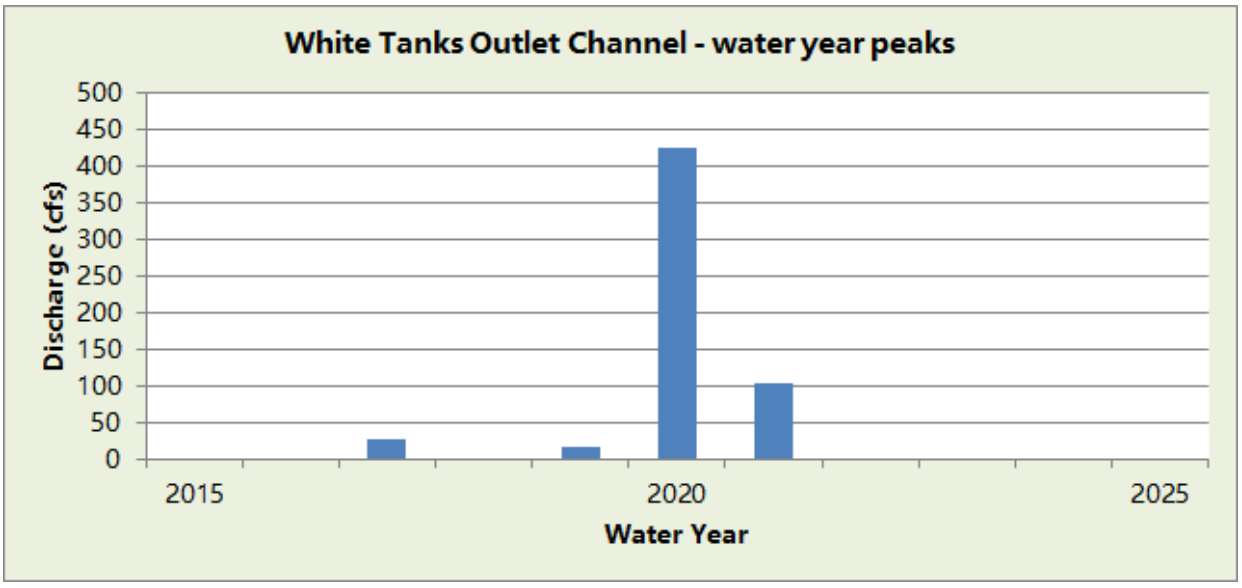


Site Data

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	4.82 Years | 1,759 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

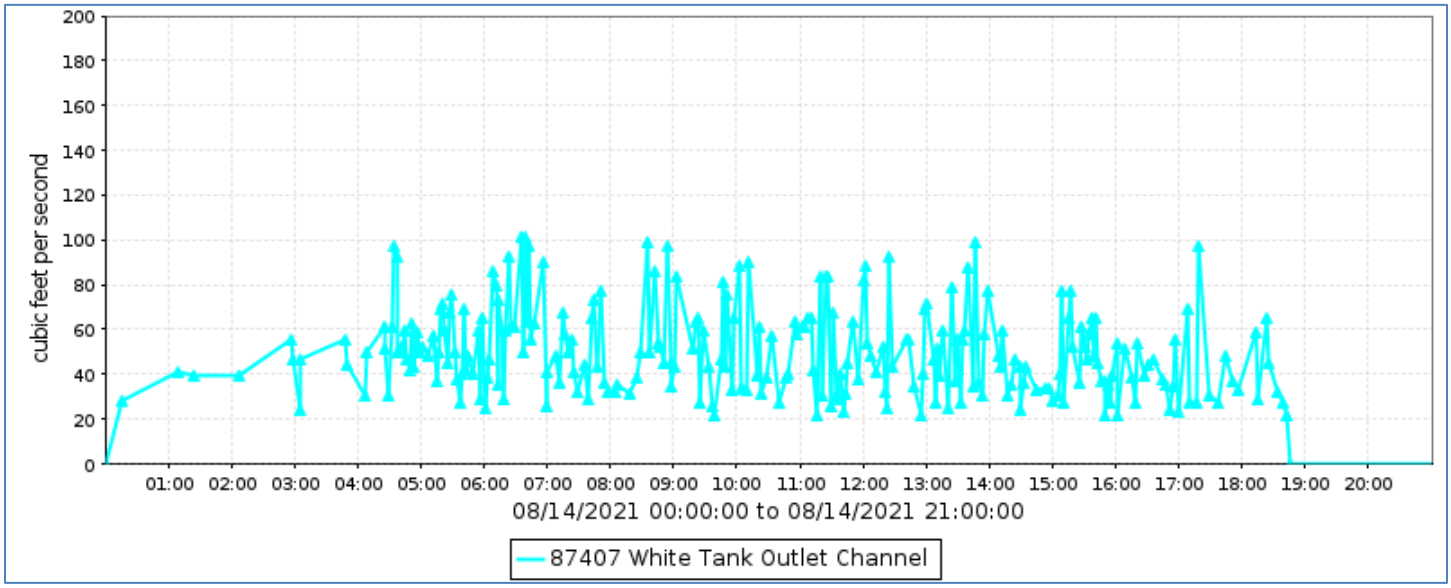




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/25/2021	1.24	67
08/14/2021	1.65	102

Hydrograph of peak WY 2021 flow event, 08/14/2021



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 2020 to September 2021

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											36	
15												
16								---				
17												
18								---				
19												
20												
21								---				
22								---				
23												
24								---				
25										5		
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	5	36	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	67	102	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	11	71	0

WTR YR 2021 TOTAL 41 MEAN 0 MAX 102 MIN 0 AC_FT 81

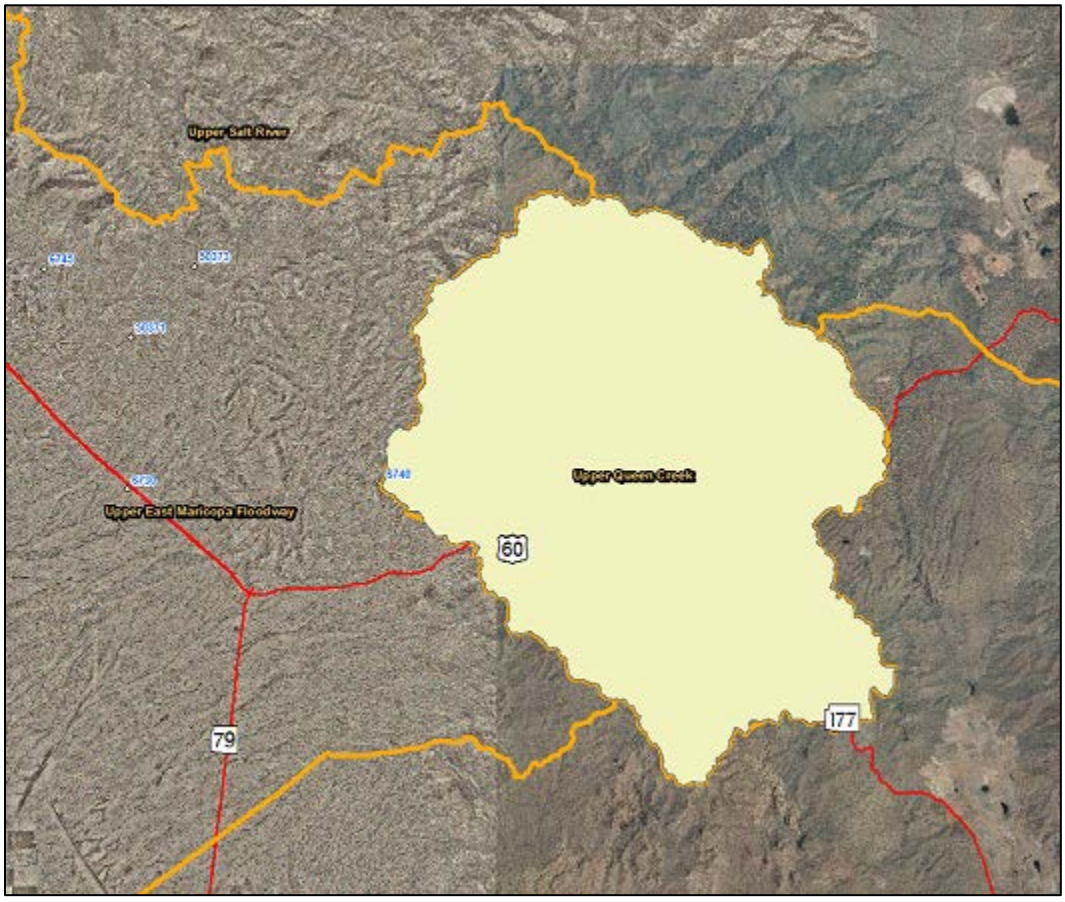
Whitlow Ranch Dam, ID #63307

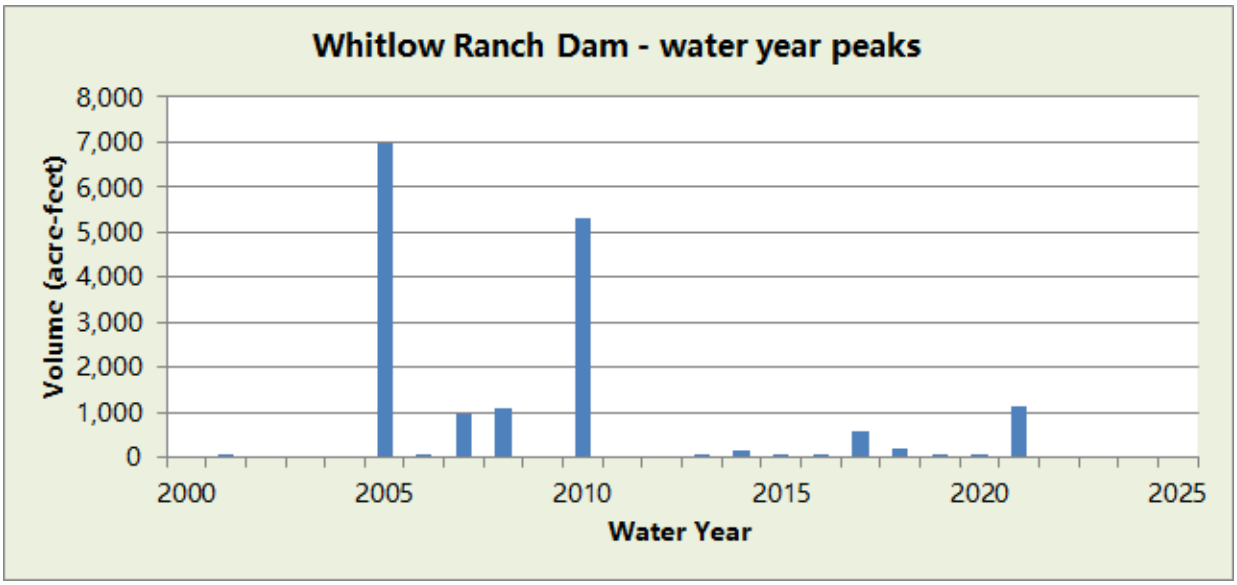


Site Data

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	21.16 Years | 7,730 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

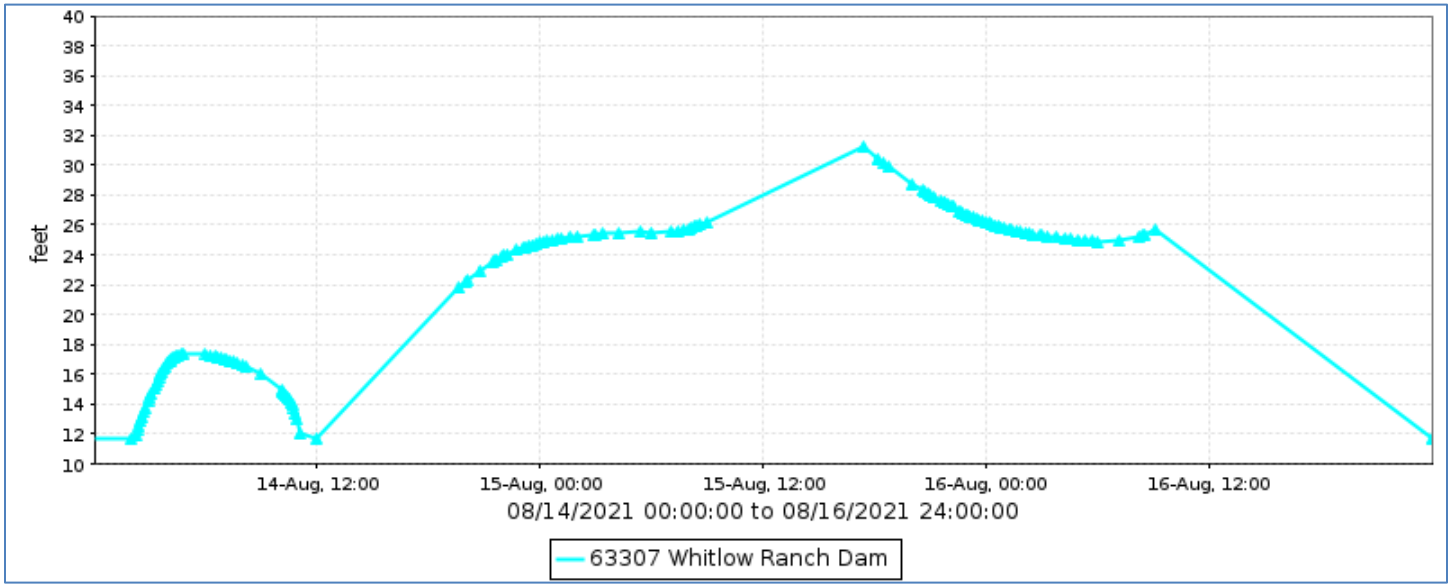




WY2021 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/10/2021	12.31	19.0	0.0
08/14/2021	17.39	126.0	1.3
08/15/2021	31.26	1,139.0	5.6
09/01/2021	12.43	20.0	0.0
09/02/2021	14.00	29.0	0.3

Hydrograph of peak 2021 impoundment event, 08/15/2021



Whitlow Ranch Dam, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												55
2												74
3												
4												
5												
6												
7												
8												
9												
10										10		
11												
12												
13												
14											319	
15											495	
16											486	
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	10	1300	130
MEAN	0	0	0	0	0	0	0	0	0	0	42	4
MAX	0	0	0	0	0	0	0	0	0	287	537	345
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	19	2579	257

WTR YR 2021 TOTAL 1439 MEAN 4 MAX 537 MIN 0 AC_FT 2855

Whitlow Ranch Dam, volume data

Volume, in acre-feet, Water Year October 2020 to September 2021

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												4
2												5
3												
4												
5												
6												
7												
8												
9												
10										1		
11												
12												
13												
14											117	
15											675	
16											583	
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	44	0
MAX	0	0	0	0	0	0	0	0	0	19	1139	29
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2021 MEAN 4 MAX 1139 MIN 0

Whitlow Ranch Dam, stage data

Depth, in feet, Water Year October 2020 to September 2021

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	11.8
2	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.9
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	11.7
5	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
8	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
9	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
10	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
11	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
12	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
13	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
14	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	15.5	11.7
15	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	26.5	11.7
16	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	25.5	11.7
17	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
18	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
19	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
20	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
21	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
22	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
23	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
24	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
25	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
26	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
27	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
28	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
29	11.7	11.7	11.7	11.7	---	11.7	11.7	11.7	11.7	11.7	11.7	11.7
30	11.7	11.7	11.7	11.7	---	11.7	11.7	11.7	11.7	11.7	11.7	11.7
31	11.7	---	11.7	11.7	---	11.7	---	11.7	---	11.7	11.7	---
MEAN	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.7	11.7
MAX	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.3	31.3	14.0
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 2021 MEAN 11.79 MAX 31.26 MIN 11.70

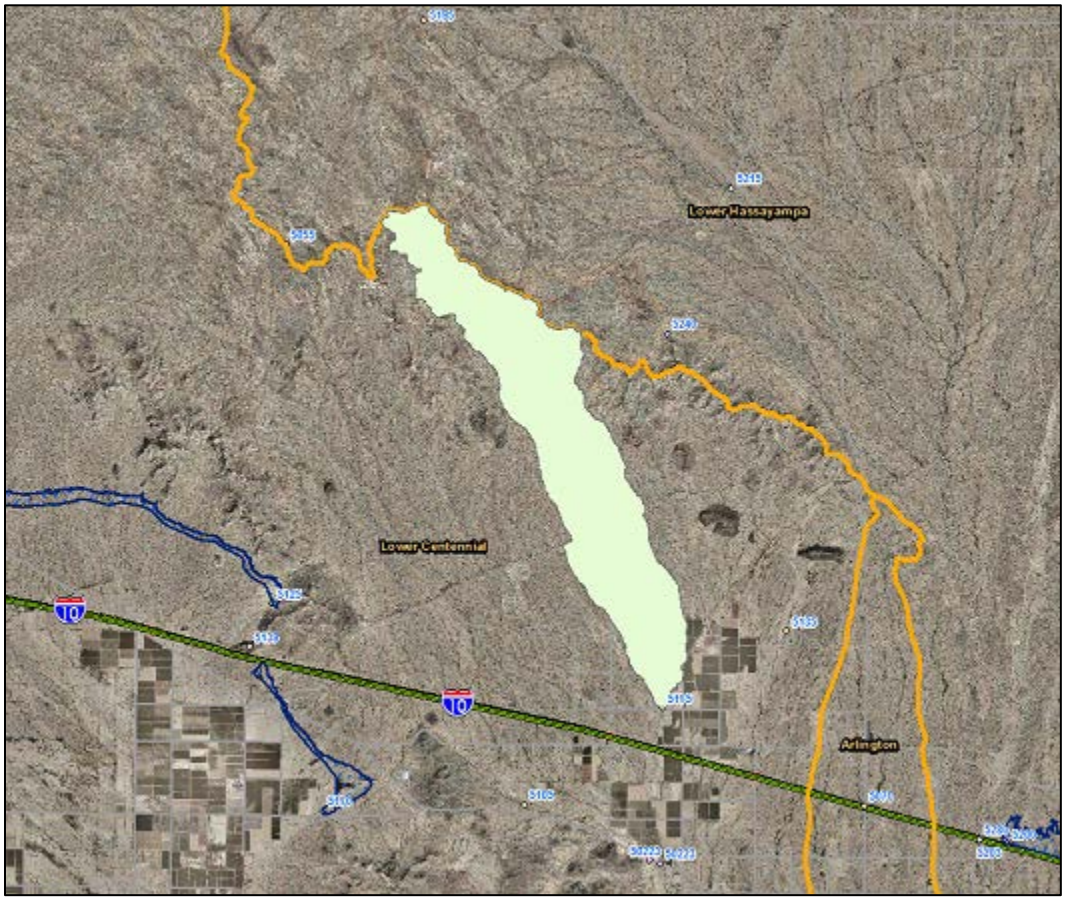
Winters Wash, ID #25507

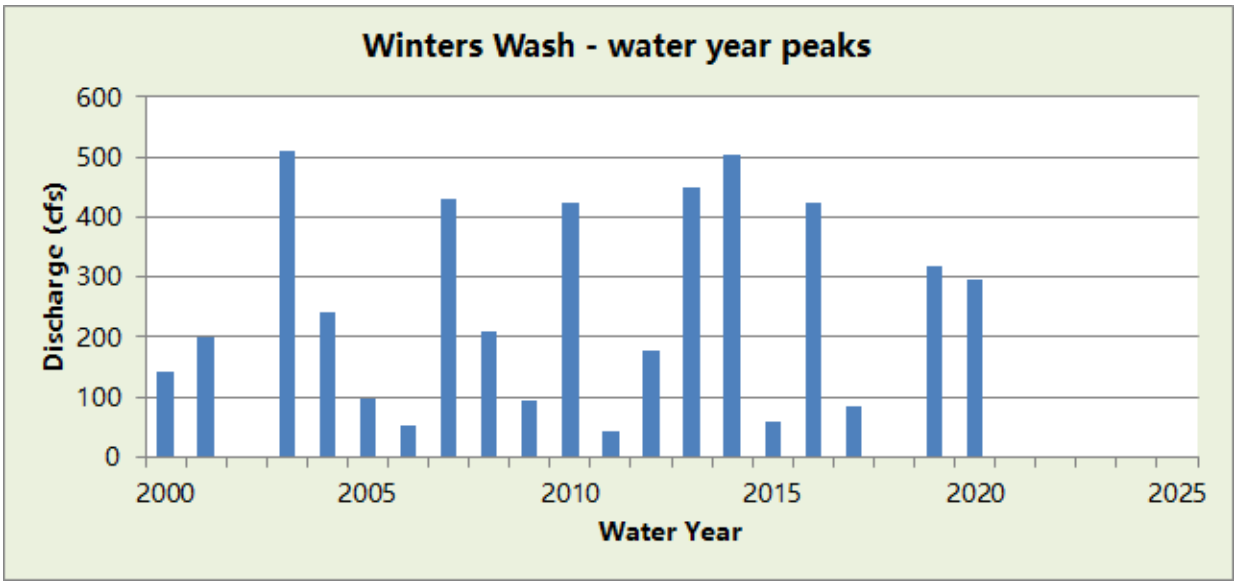


Site Data

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	21.22 Years | 7,752 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





WY2021 Events

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

Hydrograph of peak WY 2021 flow event,

No runoff recorded during Water Year 2021.

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**
173	**352**	**489**	**626**	**809**	**947**

NOTE: These results are based on very limited data.

Winters Wash, runoff data

Discharge, in cfs, Water Year October 2020 to September 2021

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		---			---		---		---			---
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 2021 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

End of Report