

HYDROLOGIC DATA REPORT
VOLUME II - SURFACE WATER AND STREAMFLOW DATA
WATER YEAR 2016



*Pecos Basin, ID #6538
(photo date: September 9, 2014)*

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 23rd annual water data report published by the District. Annual reports are available for Water Years 1994 - 2016.

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

Disclaimers:

1. Flood flow frequency graphics, whether computed in-house or cited from FEMA floodplain studies, are provided for informational purposes only and should not be considered for regulatory purposes.
2. The information contained herein is as accurate and complete as possible within the limitations of real-time data collection technology currently available. Wherever possible, notes have been included to identify questionable data. Reliance upon the accuracy, reliability, and authority of this information is solely the responsibility of the user.
3. Mention of any products, companies, or specific brand names in this report does not constitute endorsement of those companies or products.

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

Copies of this report may be purchased from:

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Or downloaded from:

<http://www.fcd.maricopa.gov/Weather/Rainfall/publications.aspx>

TABLE OF CONTENTS

Preface	ii
Introduction	iv
Data Collection	v
Definition of Terms	ix - xii
Station Location Map	xiii
New Installations in Water Year 2016	xiv
Station Table	xv - xix
Summary of Significant Streamflow	xx
Station Data Pages	1 - 915

INTRODUCTION

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

Recently, the District has been changing the stations' data transmit protocol from ALERT1 to ALERT2. During Water Year 2016, all streamflow stations have been upgraded to the new ALERT2 protocol. Ultimately, this change will result in greater data reliability and a decrease in data lost during busy rainfall and runoff events.

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 at 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	197
Total Sensors deployed	203
Sensors on Streams	134
Sensors on Impoundments	68
Stage only sites	1
Sites with multiple sensors	3
Stations not included in report	1

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 23rd annual surface water report published by the District. Prior to water year 1994, surface water data collected by the FCDMC ALERT System were not quality controlled, and therefore, not published. Furthermore, remote sites did not send zero flow information and only transmitted during runoff events. Nevertheless, limited data are available prior to water year 1994 for stations that existed before October 1, 1993. Unfortunately, there is no available data for dates prior to October 1, 1987, even if the station existed prior to this date.

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

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

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

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

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

Several streamflow gages are operated cooperatively between the FCDMC and the United States Geological Survey (USGS). There are several USGS cooperative sites that also house a District ALERT gage. Additionally, there are several continuous USGS gages that do not have an 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 2016

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

Table 3: USGS Annual Peak Stations, WY2016

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

DEFINITION OF TERMS

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

Table 4: Definitions

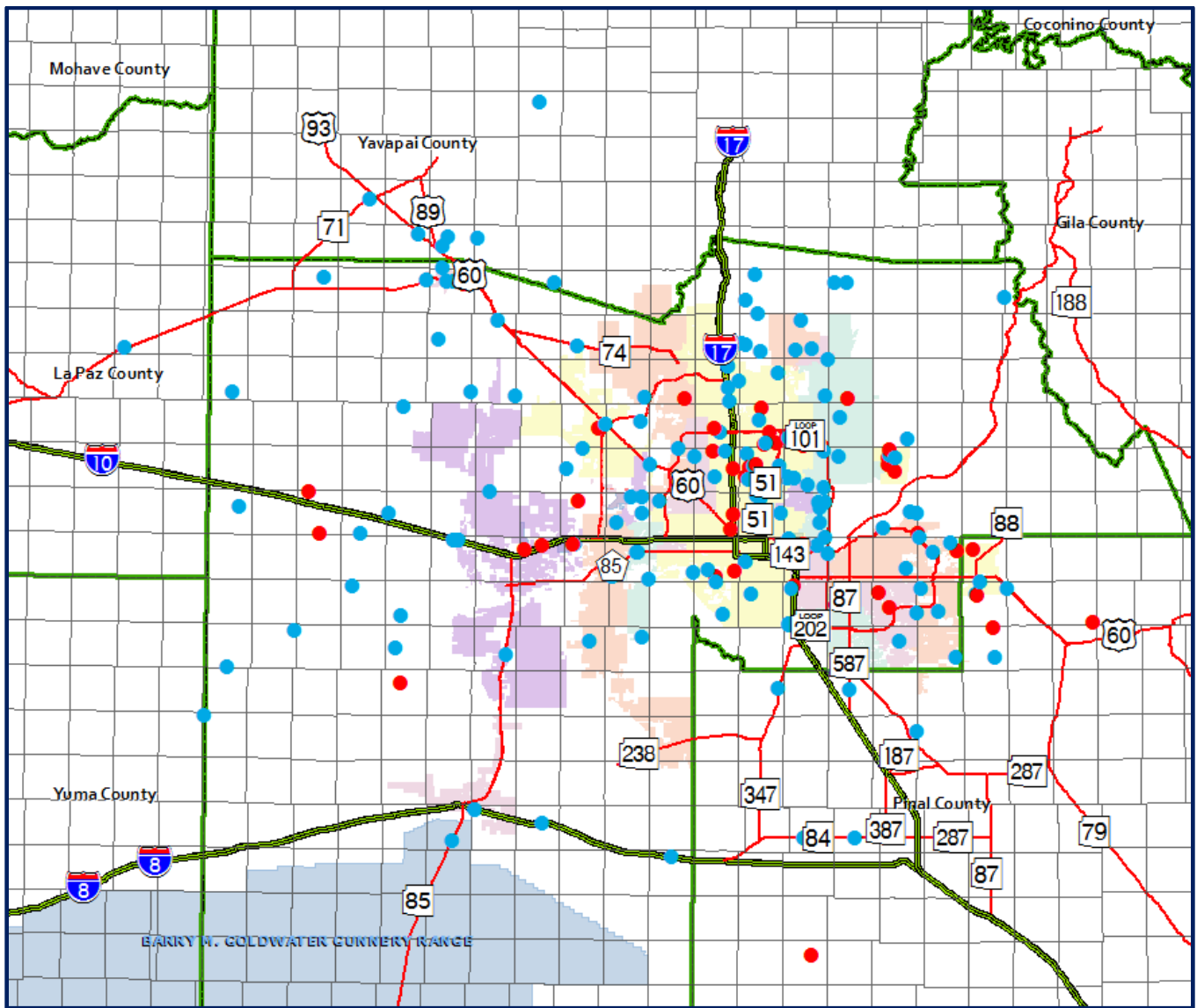
Term	Definition
Acre-foot (ac-ft or af)	The quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.
Basin	A typically man-made structure that is partially or entirely below the normal grade of land where it lies. It is for detaining water for release to another structure such as a storm drain.
CAP	Central Arizona Project, as in the CAP canal.
Cubic Feet per Second (cfs)	The rate of discharge representing a volume 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.
Discharge (Q)	The volume of water (or more broadly, total fluid plus suspended sediment), that passes a given point within a given period of time.
Drainage Area (DA)	The area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point.



Flood Flow Frequency	Refers to the magnitude (in terms of peak discharge) and probability of floods at a given gaging station. The flood flow frequency is usually given as a peak discharge associated with a given recurrence interval at a particular gaging station.
FRS	Flood Retarding Structure, refers to dams originally constructed by the Soil Conservation Service (SCS), now known as the Natural Resources Conservation Service (NRCS).
Gage (or gauge)	Refers to a measuring device or sensor, such as a pressure transducer, or bubbler orifice, or a passive device, such as a staff gage, or crest-stage gage.
Gage Datum	The elevation of the zero point of the reference gage from which gage height is determined. This elevation is established by a system of levels from known bench marks or by approximation from topographic maps or arbitrarily established to a known point such as a culvert invert elevation.
Gage Height	The water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.
Gage Station or Station	A particular site on a river, stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.
Mean Discharge (cfs)	(MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.
NGVD29 - (aka MSL)	A geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

NAVD88	A datum based on the mass or density of the Earth instead of the varying values of the heights of the seas. Measurements of the acceleration of gravity are made at observation points in a network. Only one point is defined as the datum point. The vertical reference surface is then defined by the surface on which the gravity values are equal to the datum point value. This is called an equipotential surface.
Peak Discharge (cfs)	is the maximum instantaneous discharge for a given flood event.
Period of Record (POR)	is the time period for which data exists for a given stream gaging station.
Pressure Transducer	is an instrument used to measure the depth of water. It is an analog instrument which measures a pressure change over a diaphragm. The depth of water is related to the change in pressure over the diaphragm created by the weight of the water above the instrument.
Recurrence Interval	is the reciprocal of the probability of a flood occurring in any given year. Thus, the flood having a 1% (1/100, or 1 in 100) chance of occurring in any given year has a recurrence interval of 100 years and is referred to as the 100-year flood. Similarly, the flood having a 50% (1/2 or 1 in 2) chance of occurring in any given year has a recurrence interval of 2 years and is referred to as the 2-year flood.
Staff Gage	is a device located at the gaging station to provide a visual reference to the depth of water at a gage in terms of gage height above the water level measuring instrument.
Stage-Discharge Relationship	is the relation between gage height (stage) and the volume of water, per unit of time, flowing in a channel or from a pipe or culvert.

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

FCDMC STREAMFLOW AND IMPOUNDMENT GAGE LOCATIONS – WY 2016



	Streamflow Station
	Impoundment / Storage Station

New Installations in Water Year 2016

There were 18 new streamgage stations established during Water Year 2016.

Table 5: New Installations

Station	ID	Date Installed	Requesting Agency
Baseline at 43 rd Ave	66407	10/01/2015	Phoenix
Camelback Rd at 24 th Ave	06807	10/13/2015	Phoenix
CAP Reach 11 Dike #1	08407	07/19/2016	CAP
CAP Reach 11 Dike #2	58607	07/19/2016	CAP
CAP Reach 11 Dike #3	60107	07/19/2016	CAP
CAP Reach 11 Dike #4	59807	07/19/2016	CAP
EFCC Basin #3A	08807	10/14/2015	Phoenix
Galloway Wash at Galloway Rd	20607	08/16/2016	Cave Creek
Grand Ave at 27 th Ave Basin	03807	10/01/2015	Phoenix
Paradise Lane at 33 rd Drive Basin	12407	10/01/2015	Phoenix
Paradise Lane at 47 th Ave Basin	13707	10/01/2015	Phoenix
Phoenix Zoo Dam #3	04307	04/25/2016	Phoenix
Phoenix Zoo Dam #5	04407	04/28/2016	Phoenix
Roeser Rd at 23 rd Ave Basin	66807	10/01/2015	Phoenix
Skunk Creek at Dixileta Drive	64907	01/11/2016	Phoenix
Sonoran Wash	65907	10/13/2015	Phoenix
Twin Buttes Wash	73207	12/09/2015	Peoria
US60 at Gold Canyon	36907	05/11/2016	FCDMC

Station Changes in Water Year 2016

1. A RADAR Sensor was added at New River at Glendale (#5508) station, due to a new low-flow channel built into the formerly flat cross section at the gage site. The RADAR ID #61517.

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

NAME	ID	Page
Arizona Canal Diversion Channel (ACDC) at 14 th Street	4813	174
ACDC at 36 th Street	4808	170
ACDC at 43 rd Avenue	4823	184
ACDC at 67 th Avenue	5523	467
Adobe Dam Outlet	5538	471
Adobe Dam Pool	5539	475
Agua Fria River at Buckeye Road	5403	407
Agua Fria River at Grand Avenue	5503	459
Amigos Wash	6648	643
Antelope Creek	7168	799
Apache Junction FRS	6673	647
Aspen Dam	5988	549
Baseline Road at 43 rd Avenue Basin	66407	893
Bender Wash	6963	757
Berneil Wash	4688	123
Box Wash	5273	383
Buckeye FRS #1	5203	343
Buckeye FRS #2	5208	349
Buckeye FRS #3	6813	709
Bullard Wash (near Gila River)	6863	733
Bullard Wash at Indian School Road	6868	737
Camelback Road at 24 th Avenue Basin	06807	821
CAP Reach #11 Dike #1	08407	827
CAP Reach #11 Dike #2	58607	859
CAP Reach #11 Dike #3	60107	871
CAP Reach #11 Dike #4	59807	865
Casandro Dam	7133	793
Casandro Wash	7093	785
Cave Buttes Dam Outlet	4903	244
Cave Buttes Dam Pool	4904	248
Cave Creek at Ashdale Ranger Station	4947	275
Cave Creek at Spur Cross	4923	265
Cave Creek (in town of Cave Creek)	4893	236
Cave Creek near Cave Creek	4918	261
Cave Creek at CAP	4907	253
Cave Creek at Cactus Road	4833	194
Centennial Wash near Aguila	5178	339
Centennial Wash at Wenden	5093	303
Centennial Levee	5123	325
Centennial Wash at UPRR	5103	307
Centennial Tributary at Dobbins Road	5049	295
Cline Creek	5583	488
Colter Channel at El Mirage Road	5408	411

NAME	ID	Page
Columbus Wash	5013	283
Copper Wash	5033	287
Crossroads Park	6623	620
Cruff Wash	5078	299
Daggs Wash	5498	455
Delaney Wash	5108	311
Desert Hills Wash	4898	240
Dreamy Draw Dam	4803	164
Dysart Drain at LAFB	5413	415
Dysart Drain at El Mirage Road	5423	425
East Fork Cave Creek Basin #1	4648	91
East Fork Cave Creek Basin #3A	08807	833
East Fork Cave Creek Basin #3B	4683	117
East Fork Cave Creek Basin #4	4658	103
East Fork Cave Creek near 7 th Avenue	4668	109
El Mirage Road Drain	5483	447
East Maricopa Floodway (EMF) at Broadway Road	6573	599
EMF below Powerline Floodway	6758	705
EMF at Queen Creek Road	6583	603
EMF at Arizona Avenue	6598	607
Estrella Fan	6893	741
Flying E Wash	7083	781
Ford Canyon Wash	5428	429
Freestone Basin	6608	615
Galloway Wash at Galloway Road	20607	851
Gila River at Olberg Road	0783	11
Gila River at Maricopa Road	0778	7
Gila River at 116 th Avenue Bridge (Avondale Blvd.)	6848	725
Gila River at Estrella Parkway	6853	729
Golden Eagle Park Dam	5978	537
Grand Avenue at 27 th Avenue Basin	03807	803
Granite Reef Diversion	4568	41
Granite Reef Wash	4728	132
Greene Wash at SR84	0793	19
Guadalupe Channel	6603	611
Guadalupe FRS	6503	561
Harquahala FRS	5128	329
Hartman Wash	7063	777
Hassayampa River at Wagoner Bridge	5352	403
Hassayampa River at Box Canyon	5308	399
Hassayampa River at US60	5228	363
Hassayampa River near Morristown	5223	359
Hassayampa River at I-10	5283	391
Hesperus Dam	5993	555

NAME	ID	Page
Indian Bend Wash (IBW) at Sweetwater Avenue	4643	87
IBW at Shea Boulevard	4693	127
IBW near Indian Bend Road	4613	67
IBW at McDonald Drive	4628	79
IBW at Indian School Road	4618	71
IBW near McKellips Road	4603	63
IBW Interceptor Channel	4623	75
Jackrabbit Wash	5218	355
Lake Margherite	4678	113
Laveen Basin	4578	49
Magma FRS	6718	685
Martinez Creek	7013	765
McDowell Mountain Road	5923	521
McMicken Dam	5448	441
McMicken Dam at Bell Road	5443	437
McMicken Floodway	5438	433
Mineral Canyon Basin	68807	905
New River Fire	5638	509
New River Dam Pool	5614	504
New River Dam Outlet	5613	500
New River at Bell Road	5598	496
New River at Glendale Avenue	5508	463
North Heights Dam	5983	543
Old Crosscut Canal	4748	136
Paradise Lane at 33 rd Drive Basin	12407	839
Paradise Lane at 47 th Avenue Basin	13707	845
Pecos Sediment Basin	6537	583
Pecol Basin Pool	6538	589
Pecos North Inlet	6532	571
Pecos East Inlet	6533	575
Pecos West Inlet	6534	579
Phoenix Dam #2A	4789	158
Phoenix Dam #2B	4778	152
Phoenix Dam #3	4828	188
Phoenix Dam #4	4838	198
Phoenix Dam #7	4853	216
Phoenix Dam #99	4843	204
Phoenix East Park Dam	4848	210
Phoenix West Park Dam	4858	222
Phoenix Zoo Dam #3	04307	809
Phoenix Zoo Dam #5	04407	815
Picacho Wash	5678	513
Pima Canyon Wash	6523	567
Powder House Wash	7113	789

NAME	ID	Page
Powerline Floodway	6708	681
Powerline FRS	6683	653
Price Drain at Loop 202	4573	45
Queen Creek at CAP	6723	691
Queen Creek at Rittenhouse Road	6707	677
Rainbow Wash	6953	753
Rawhide Wash	4863	228
Reata Pass Dam	4938	269
Reata Pass Wash	4588	59
Rittenhouse FRS	6703	671
Roeser Road at 23 rd Avenue Basin	66807	899
Saddleback FRS	5113	315
Salt River below Granite Reef Diversion	4583	55
Salt River at Val Vista Drive	4548	31
Salt River at Priest Drive	4523	27
Salt River at 7 th Avenue	4763	148
Salt River at 51 st Avenue	4753	140
Salt River at 67 th Avenue	4758	144
Sand Tank Wash at I-8	6933	749
Santa Cruz River at SR84	0788	15
Santa Rosa Wash at SR84	0798	23
Sauceda Wash	6923	745
Scatter Wash	5543	480
Seven Springs Wash	4963	279
Signal Butte FRS	6628	625
Skunk Creek near New River	5588	492
Skunk Creek at Desert Hills Drive	64807	877
Skunk Creek at Carefree Highway	65707	885
Skunk Creek at Dixileta Drive	64907	881
Skunk Creek at I-17	5568	484
Skunk Tank Wash	4888	232
Sols Wash at SR71	5276	387
Sols Wash Tributary at US93	7028	769
Sols Wash near Matthie	7043	773
Sonoran Wash	65907	889
South Mountain Fan	6563	595
Spookhill FRS at Brown Road	6693	665
Spookhill FRS at McKellips Road	6638	637
Spookhill FRS at McDowell Road	6637	631
Spookhill FRS	4563	35
Stagecoach Wash	4913	257
Stoneridge Dam	5968	525
Sunnycove FRS	5248	373
Sunridge Canyon Dam	5973	531

NAME	ID	Page
Sunset FRS	5233	367
Sun Valley Parkway at Northern Avenue Wash	5303	395
Sycamore Creek Fire PT	5873	517
Tat Momolikot Dam	0773	1
Tatum Wash	4638	83
Tatum Basin	4653	97
Tiger Wash	5163	335
Twin Buttes Wash	73207	911
Upper Trilby Wash	5488	451
US60 at Gold Canyon Wash	36907	855
Vekol Wash	6983	761
Vineyard FRS	6688	659
Vulture Mine Road	5263	379
Waterman Wash at Rainbow Valley Road	6833	721
Weekes Wash at Baseline Road	6753	701
White Tanks FRS #3	5418	419
White Tanks FRS #4	6823	715
Whitlow Ranch Dam	6739	695
Winters Wash	5118	321

SUMMARY OF SIGNIFICANT STREAMFLOW EVENTS

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

From a water year standpoint, the year begins in October with the onset of the transition period from the summer monsoon to a more zonal westerly air flow pattern. During this transition period, both southerly tropical flow mixes with weather disturbances from the northwest and can produce severe weather and heavy rainfall. The traditional winter season generally occurs from December through early April and is typified by large-scale low pressure systems moving southward along the west coast from the northwest. Following the winter season, a dry period occurs from mid-April to mid-June. After this dry period, the summer monsoon season begins June 15 and continues through September 30. The summer monsoon season is characterized by a altering of the zonal westerly flow pattern, to a more south and easterly air flow pattern.

For Water Year 2016, early fall got off to a quick start in October with precipitation and runoff on 10/6, with further significant rain and runoff on October 20 from the combination of tropical moisture and a cold front from the north Pacific. Many stations had their peak discharge / peak storage for the water year this day.

The winter rainy season had some promise given that an El Nino type pattern had developed in the eastern Pacific Ocean. However, the rains and runoff did not come in significant quantity and frequency. Early January had some rain and runoff, but beyond this, the winter was rather dry, until mid-April.

The summer rains began early with the first rain and limited runoff occurring on June 29 and 30. July remained mostly dry until 7/31, when a relatively wet period began and lasted for about a week. A number of stations recorded their water year peaks in this period.

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

Maximum Flows for Water Year 2016 at Selected FCDMC Water Level Sensor Locations

Red values are peaks of record

Location	Discharge (cfs)	Stage (feet)	Date
Antelope Creek (#7168)	2,800	4.30	07/31/2016
Berneil Wash (#4688)	612	2.06	08/05/2016
Centennial Wash at Wenden (#5093)	1,482	2.82	08/05/2016
Cline Creek (#5583)	717	3.56	10/20/2015
East Fork Cave Creek near 7 th Ave. (#4668)	1,000	3.78	08/05/2016
East Maricopa Floodway at Broadway Rd. (#6573)	2,578	3.94	08/11/2016
Hassayampa River at US60 (#5228)	2,262	2.05	10/20/2015
Hassayampa River near Morristown (#5223)	2,750	10.26	10/20/2015
IBW at Sweetwater Ave. (#4643)	672	3.38	08/05/2016
IBW at Shea Blvd. (#4693)	1,612	2.76	08/05/2016
IBW near Indian Bend Road (#4613)	1,064	3.94	08/05/2016
IBW at McDonald Drive (#4628)	1,425	1.97	08/02/2016
IBW at Indian School Road (#4618)	1,543	5.43	08/02/2016
IBW near McKellips Drive (#4603)	2,418	4.30	08/05/2016
IBW Interceptor Channel (#4623)	1,351	5.43	08/02/2016
Jackrabbit Wash (#5218)	1,012	3.33	08/18/2016
Martinez Creek (#7013)	9,377	11.24	08/02/2016
Rainbow Wash (#6953)	1,060	3.17	10/06/2015
Salt River at Granite Reef Diversion (#4583)	3,031	2.08	01/08/2016
Salt River at Val Vista Drive (#4548)	4,047	3.75	01/08/2016
Salt River at Priest Drive (#4523)	4,383	5.14	03/19/2016*
Salt River at Priest Drive (#4523)	2,267	4.47	08/05/2016
Sand Tank Wash at I-8 (#6933)	1,781	4.64	07/30/2016
Skunk Creek at Desert Hills Drive (#64807)	1,593	3.88	10/20/2015
Skunk Creek at Carefree Highway (#65707)	1,428	3.50	10/20/2015
Skunk Creek at I-17 (#5568)	1,613	2.81	10/20/2015
Tiger Wash (#5163)	1,260	6.85	08/18/2016
US60 at Gold Canyon (#36907)	1,644	4.06	08/09/2016
Waterman Wash at Rainbow Vly Rd (#6833)	5,713	10.82	07/30/2016

*Peak at #4523 on 03/19/2016 due to Tempe Town Lake being drained.

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

Maximum Impoundments for Water Year 2016 at Selected FCDMC Water Level Sensor Locations

Red values are peaks of record

Location	Discharge (cfs)	Stage (feet)	Contents (ac-ft)	Contents (%full)	Date
Apache Junction FRS (#6673)	9	5.94	31.4	4.7	08/09/2016
Dreamy Draw Dam (#4803)	137	12.29	6.6	2.2	08/05/2016
Phoenix Dam #2A (#4789)	28	10.10	16.9	28.2	08/05/2016
Phoenix Dam #2B (#4778)	21	5.68	6.4	13.3	08/05/2016
Phoenix Dam #3 (#4828)	51	10.47	7.3	7.5	08/05/2016
Phoenix Dam #4 (#4838)	30	11.75	19.5	45.5	08/05/2016
Phoenix Dam #7 (#4853)	48	10.31	8.5	11.9	08/05/2016
Phoenix East Park Dam (#4848)	33	4.22	1.4	6.6	08/05/2016
Phoenix West Park Dam (#4858)	46	7.21	10.9	9.6	08/05/2016
Signal Butte FRS (#6628)	0	8.01	91	5.6	08/10/2016
Vineyard FRS (#6688)	100	4.73	1,086	23.1	08/09/2016

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

DATA PRESENTATION

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

The stream and stage gages are in numerical order by ID number. All stations set up from mid-2015 and forward have been assigned ALERT2 gage IDs. Stations set up before then have the ALERT1 station ID format (xxxx). ALERT2 stations have a 5-digit ID number assigned (xxxx7). ALERT2 gages are in numerical order following the ALERT1 gages. The table on pages xv-xix of this document give the stations listed alphabetically by name, regardless of the ALERT1 or ALERT2 status. Using the links in that table, is suggested to quickly find a station of interest.

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.

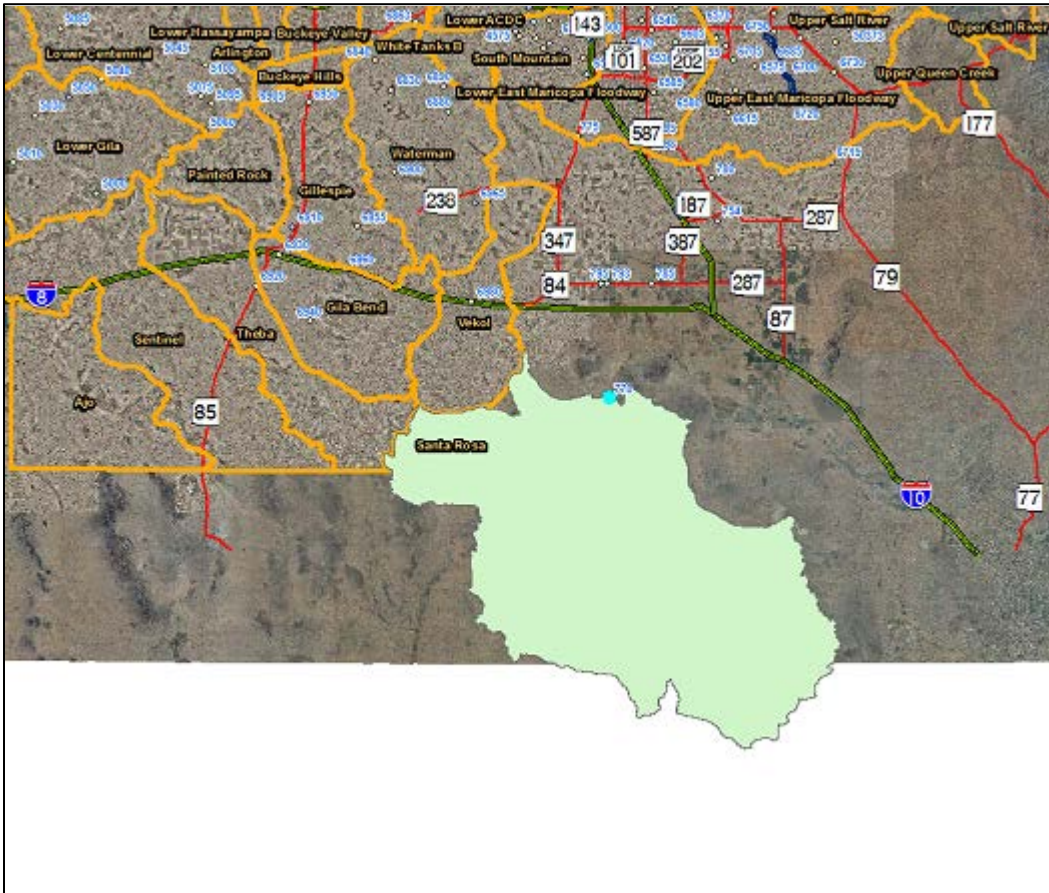
Tat Momolikot Dam, ID #0773



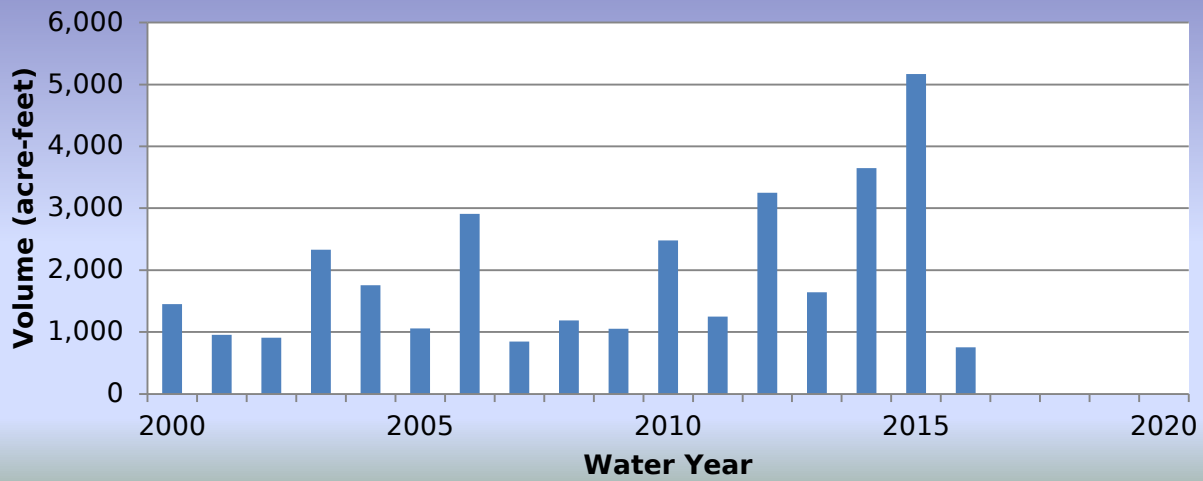
Site Data

LOCATION	On the Tohono O'Odham Reservation west of Eloy
DRAINAGE AREA	1,780 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Tohono O'Odham Reservation, Arizona
WATERSHED	Santa Rosa
SECTION/TOWNSHIP/RANGE	S14 T9S R4E
LATITUDE	N 32° 39' 00.6" +32.65016
LONGITUDE	W 111° 55' 42.0" -111.92833
STREAMGAGE INSTALLATION DATE	01/21/1998 - WY 1998
AVAILABLE PERIOD OF RECORD	01/19/2000 - Current
LENGTH OF AVAILABLE POR DATA	16.70 Years 6,100 Days
GAPS IN DATA (> 2 DAYS)	01/21/1998 - 01/19/2000
STAGE GAGE ELEVATION	0.81 Feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,485.00 feet M.S.L.
PZF (LOW GATED ORIFICE)	0.0 Feet Gage Height
PZF (MIDDLE GATED ORIFICE)	8.0 Feet Gage Height
PZF (UPPER GATED ORIFICE)	16.0 Feet Gage Height
SPILLWAY ELEVATION	54.0 feet Gage Height
TOP OF DAM ELEVATION	72.5 feet Gage Height

Watershed Map



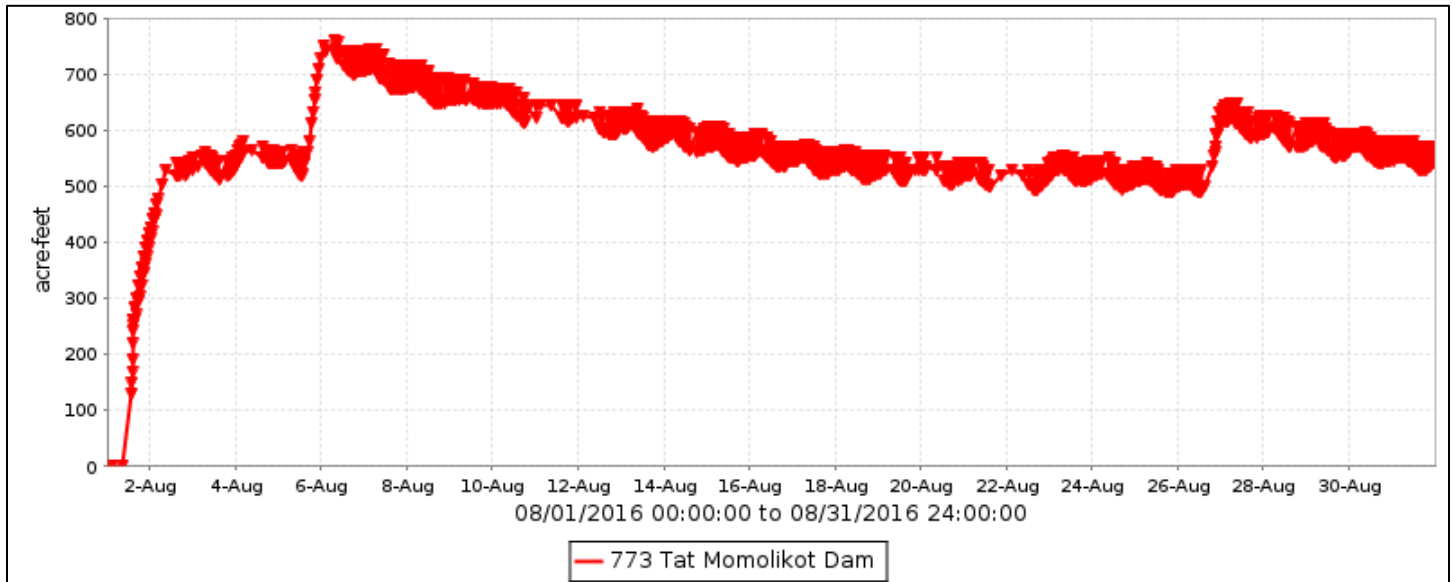
Tat Momolikot Dam - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/10/2016	2.56	467	0.2
08/06/2016	3.96	755	0.4

Hydrograph of peak WY 2016 impoundment event, 08/06/2016



Tat Momolikot Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

*Gage ID was 0768 prior to January 24, 2000.

**FCD Operated gage since January 1998. However, this float gage did not operate properly. A pressure transducer gage was installed January 24, 2000 and all previous data were deleted. Previously, the US Army Corps of Engineers, Los Angeles District maintained a gage at this location.

Tat Momolikot Dam, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											130	530
2							---				502	522
3				---							529	515
4											552	511
5											569	503
6											721	497
7				157							691	503
8				444					---		663	531
9				445					---		652	532
10				443					---		636	518
11				426					---		634	509
12				415					---		609	506
13				419							590	502
14				412							577	494
15				420						---	559	488
16				403			---			---	547	486
17				373						---	536	475
18				374						---	525	470
19				366						---	523	465
20				358							522	461
21				361							514	454
22				350							512	454
23			---	340							519	453
24			---	327							510	449
25			---	335							501	444
26			---	345							511	437
27				322							603	441
28				323							583	448
29				319							568	436
30				200	---						554	427
31		---			---		---		---		541	---
MEAN	0	0	0	280	0	0	0	0	0	0	554	482
MAX	0	0	0	467	0	0	0	0	0	0	760	570
MIN	0	0	0	0	0	0	0	0	0	0	0	411
WTR YR 2016	MEAN		110	MAX	760	MIN	0					

Tat Momolikot Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	1.2	2.9
2	0.8	0.8	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	2.7	2.8
3	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	2.9	2.8
4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	3.0	2.8
5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	3.1	2.7
6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	3.8	2.7
7	0.8	0.8	0.8	1.3	0.8	0.8	0.8	0.8	0.8	0.8	3.6	2.7
8	0.8	0.8	0.8	2.4	0.8	0.8	0.8	0.8	---	0.8	3.5	2.9
9	0.8	0.8	0.8	2.5	0.8	0.8	0.8	0.8	---	0.8	3.5	2.9
10	0.8	0.8	0.8	2.4	0.8	0.8	0.8	0.8	---	0.8	3.4	2.8
11	0.8	0.8	0.8	2.4	0.8	0.8	0.8	0.8	---	0.8	3.4	2.8
12	0.8	0.8	0.8	2.3	0.8	0.8	0.8	0.8	---	0.8	3.2	2.7
13	0.8	0.8	0.8	2.3	0.8	0.8	0.8	0.8	0.8	0.8	3.2	2.7
14	0.8	0.8	0.8	2.3	0.8	0.8	0.8	0.8	0.8	0.8	3.1	2.7
15	0.8	0.8	0.8	2.3	0.8	0.8	0.8	0.8	0.8	---	3.0	2.7
16	0.8	0.8	0.8	2.2	0.8	0.8	---	0.8	0.8	---	2.9	2.7
17	0.8	0.8	0.8	2.1	0.8	0.8	0.8	0.8	0.8	---	2.9	2.6
18	0.8	0.8	0.8	2.1	0.8	0.8	0.8	0.8	0.8	---	2.8	2.6
19	0.8	0.8	0.8	2.1	0.8	0.8	0.8	0.8	0.8	---	2.8	2.5
20	0.8	0.8	0.8	2.0	0.8	0.8	0.8	0.8	0.8	0.8	2.8	2.5
21	0.8	0.8	0.8	2.0	0.8	0.8	0.8	0.8	0.8	0.8	2.8	2.5
22	0.8	0.8	0.8	2.0	0.8	0.8	0.8	0.8	0.8	0.8	2.8	2.5
23	0.8	0.8	---	1.9	0.8	0.8	0.8	0.8	0.8	0.8	2.8	2.5
24	0.8	0.8	---	1.9	0.8	0.8	0.8	0.8	0.8	0.8	2.8	2.5
25	0.8	0.8	---	1.9	0.8	0.8	0.8	0.8	0.8	0.8	2.7	2.4
26	0.8	0.8	---	2.0	0.8	0.8	0.8	0.8	0.8	0.8	2.8	2.4
27	0.8	0.8	0.8	1.9	0.8	0.8	0.8	0.8	0.8	0.8	3.2	2.4
28	0.8	0.8	0.8	1.9	0.8	0.8	0.8	0.8	0.8	0.8	3.1	2.5
29	0.8	0.8	0.8	1.8	0.8	0.8	0.8	0.8	0.8	0.8	3.0	2.4
30	0.8	0.8	0.8	1.4	---	0.8	0.8	0.8	0.8	0.8	3.0	2.4
31	0.8	---	0.8	0.8	---	0.8	---	0.8	---	0.8	2.9	---
MEAN	0.8	0.8	0.8	1.8	0.8	0.8	0.8	0.8	0.8	0.8	3.0	2.6
MAX	0.8	0.8	0.8	2.6	0.8	0.8	0.8	0.8	0.8	0.8	4.0	3.1
MIN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
WTR YR 2016	MEAN	1.23	MAX	3.98	MIN	0.81						

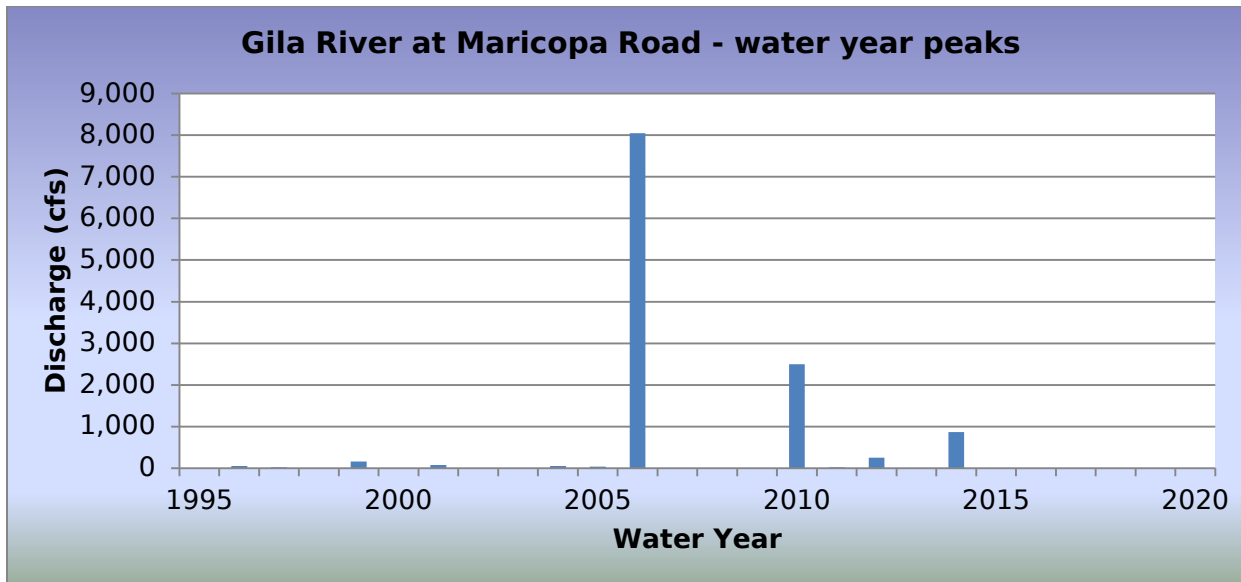
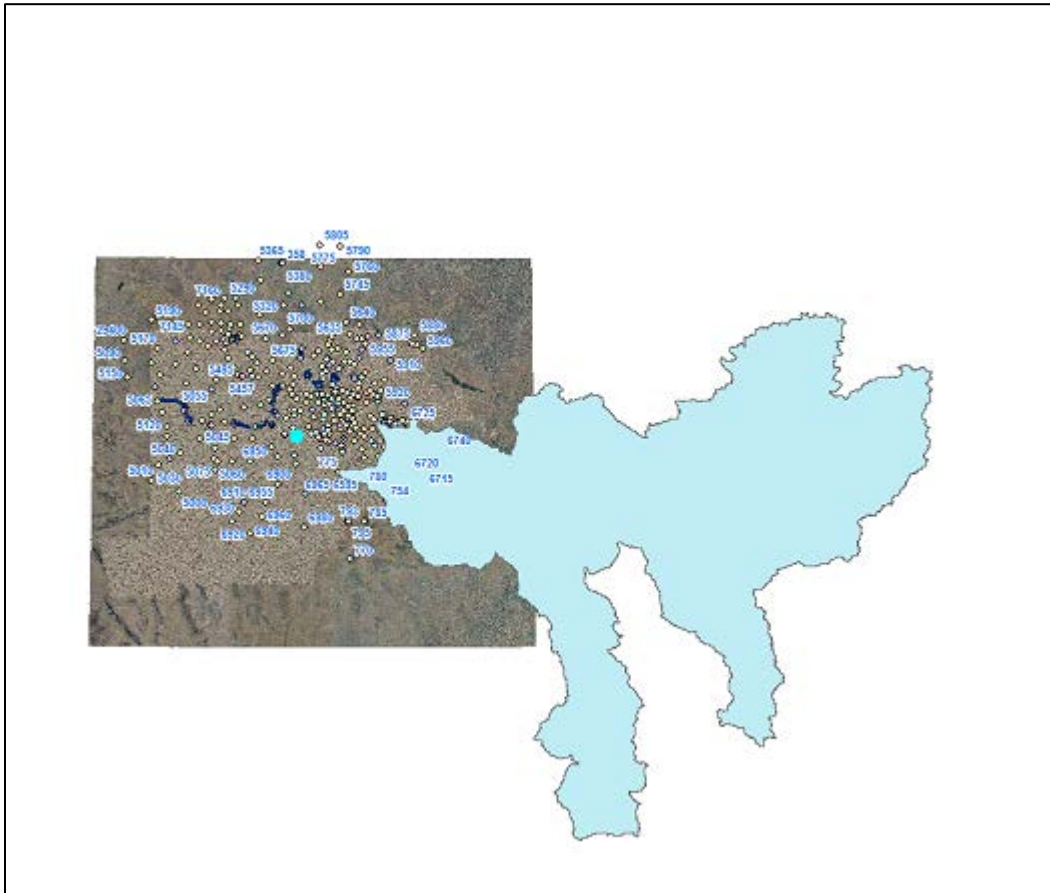
Gila River at Maricopa Road, ID #0778



Site Data

LOCATION	On Maricopa Road (SR 347) about 5 miles north of Maricopa
DRAINAGE AREA	20,312 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Gila River Indian Community, Arizona
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S13 T3S R3E
LATITUDE	N 33° 10' 14.7" +33.17076
LONGITUDE	W 112° 00' 21.7" -112.00601
STREAMGAGE INSTALLATION DATE	04/09/1995 - WY 1995
AVAILABLE PERIOD OF RECORD	04/09/1995 - Current
LENGTH OF AVAILABLE POR DATA	21.48 Years 7,846 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.36 feet Gage Height
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	Undetermined
EXTREME FOR PERIOD OF RECORD	8,051 cfs 3.99 feet 07/31/2006

Watershed for Gila River at Maricopa Road



2016 Events

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

Hydrograph of peak WY 2016 flow event,

There were no runoff events in water year 2016

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 2015 to September 2016

DAY	Daily Mean Values														
	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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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 2016	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.

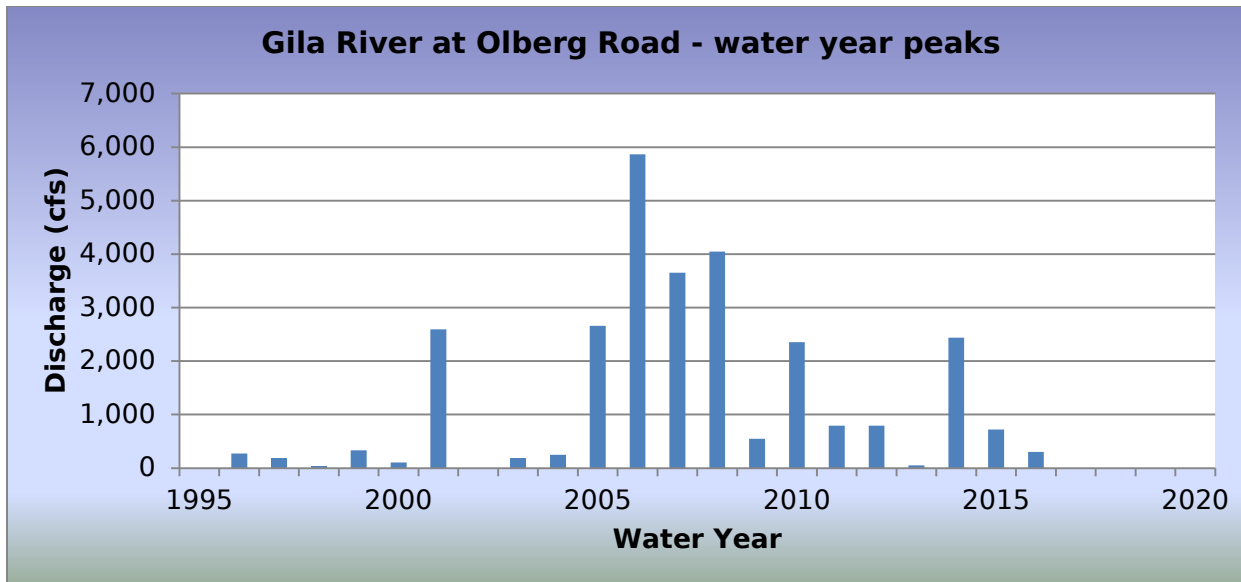
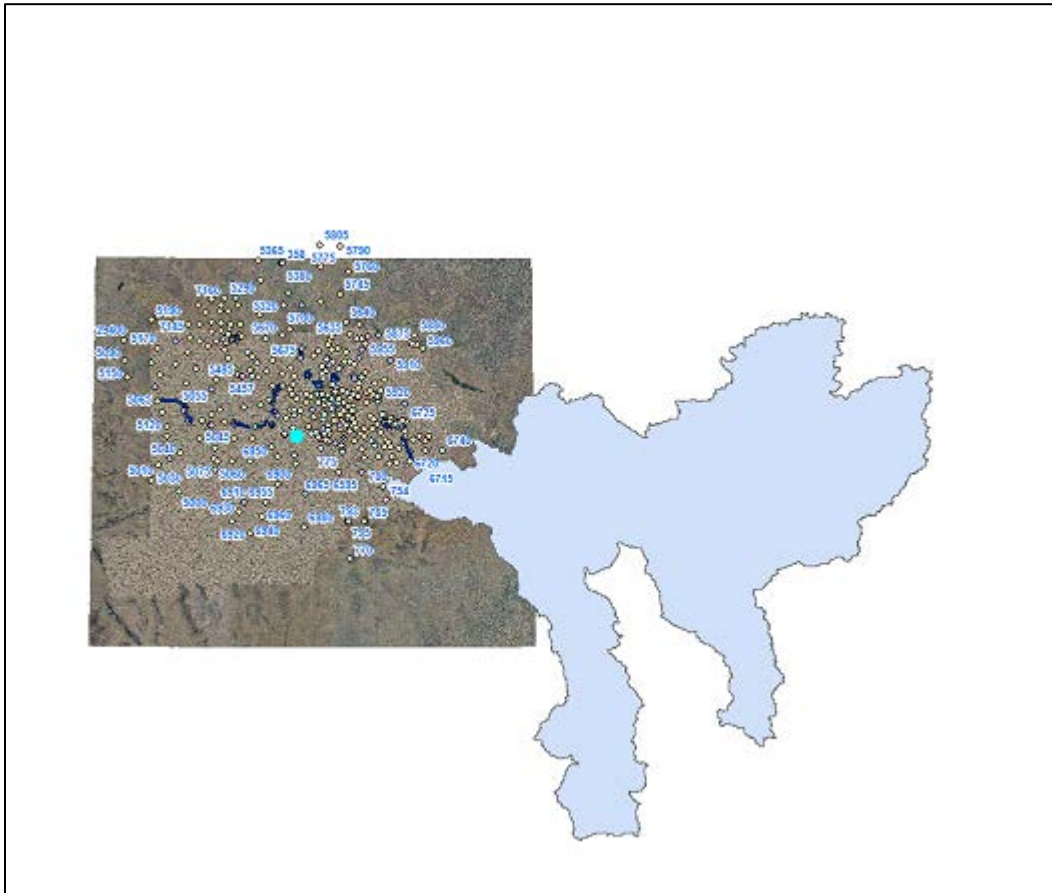
Gila River at Olberg Road, ID #0783



Site Data

LOCATION	Near Sacaton on the Gila River Indian Community
DRAINAGE AREA	18,784 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Gila River Indian Community, Arizona
WATERSHED	Gila
SECTION/TOWNSHIP/RANGE	S12 T4S R6E
LATITUDE	N 33° 05' 13.4" +33.08706
LONGITUDE	W 111° 41' 13.2" -111.68700
STREAMGAGE INSTALLATION DATE	04/12/1995 - WY 1995
PERIOD OF AVAILABLE DATA RECORD	04/12/1995 - Current
LENGTH OF AVAILABLE PERIOD OF RECORD	21.47 Years 7,843 Days
GAPS IN DATA (> 2 DAYS)	None
STAGE GAGE ELEVATION	0.44 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,867 cfs 6.16 feet 08/02/2006

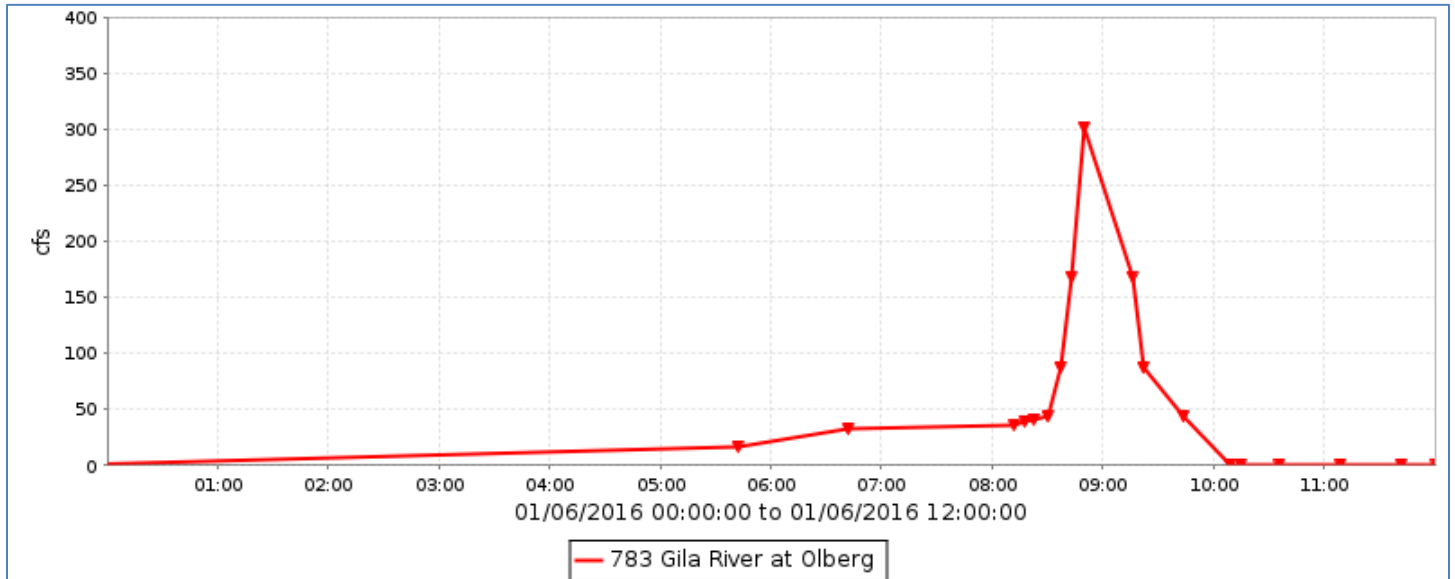
Watershed map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/06/2016	1.29	301
01/07/2016	1.22	196

Hydrograph of peak WY 2016 flow event, 01/06/2016



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
446	1,550	2,930	4,910	8,700	12,700

Gila River at Olberg Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---						---				
2												
3												
4												
5												
6				13								
7				24								
8												
9												
10												
11												
12												
13												
14												
15							---					
16	7						---					
17							---					
18												
19												
20												---
21		---										---
22		---										
23												---
24												---
25									---			---
26									---			---
27									---			---
28							---					---
29							---					---
30	---				---		---					---
31	---	---			---		---		---			---
TOTAL	7	0	0	37	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	0	0	0	0	0	0	0	0
MAX	40	0	0	301	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	14	0	0	73	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL	44	MEAN	0	MAX	301	MIN	0	AC_FT	87		

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

Santa Cruz River at SR84, ID #0788



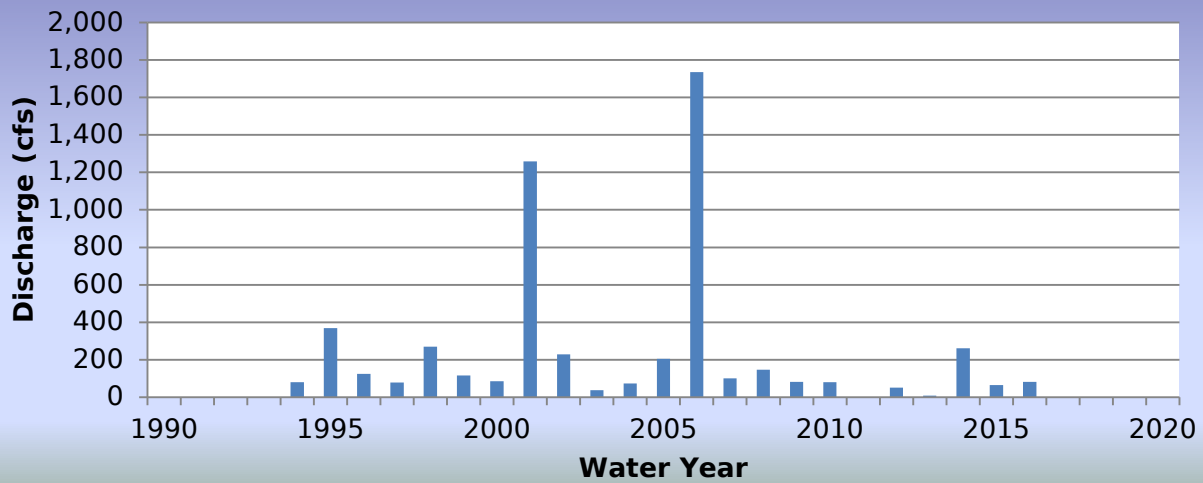
Site Data

LOCATION	On SR 84 about 5 miles west of Casa Grande
DRAINAGE AREA	78.8 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Pinal County, Arizona
WATERSHED	Santa Cruz
SECTION/TOWNSHIP/RANGE	S21 T6S R5E
LATITUDE	N 32° 52' 46.3" +32.87952
LONGITUDE	W 111° 49' 44.2" -111.82895
STREAMGAGE INSTALLATION DATE	03/16/1994 - WY 1994
PERIOD OF AVAILABLE DATA RECORD	03/16/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.55 Years 8,235 Days
GAPS (> 2 DAYS) IN RECORD	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



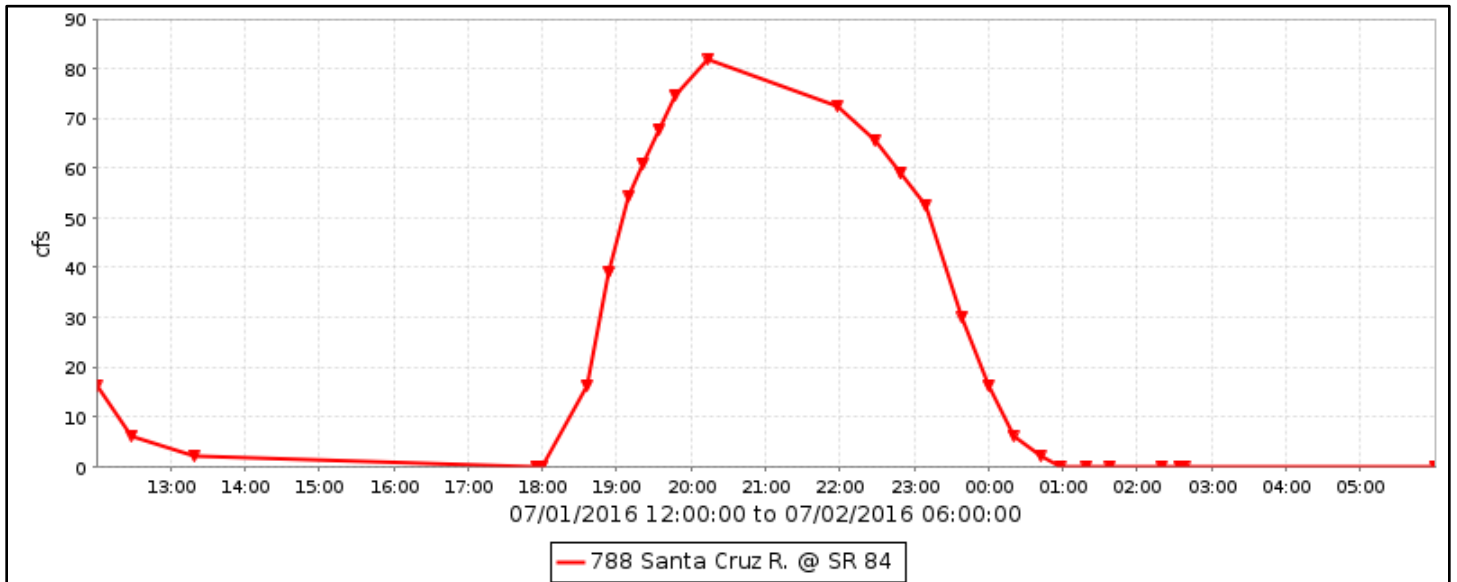
Santa Cruz River at SR84 - water year peaks



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/07/2016	1.30	77
07/01/2016	0.89	46
07/01/2016	1.37	82

Hydrograph of peak WY 2016 flow event, 07/01/2016



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
119	337	577	897	1,470	2,040

Santa Cruz River at SR84, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---								18		
2												
3												
4												
5												
6												
7				11								
8				1								
9	5											
10	1											
11												
12												
13												
14												
15												
16												
17												
18												
19												
20		---										
21												
22												
23												
24												
25												
26												
27												
28												
29												
30	---				---							
31	---	---			---		---		---			---
TOTAL	6	0	0	12	0	0	0	0	0	20	1	1
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	11	0	0	77	0	0	0	0	0	82	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	11	0	0	24	0	0	0	0	0	39	3	2
WTR YR 2016	TOTAL	40	MEAN	0	MAX	82	MIN	0	AC_FT	79		

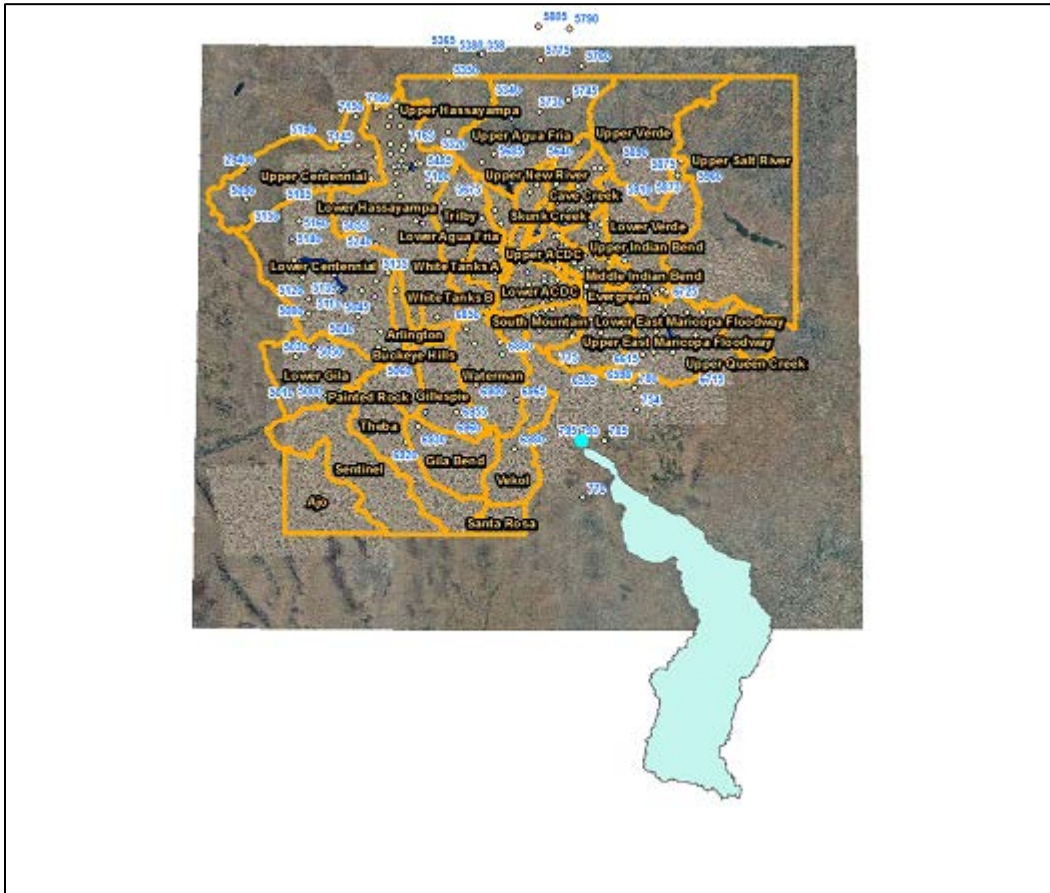
Greene Wash at SR84 – ID #0793



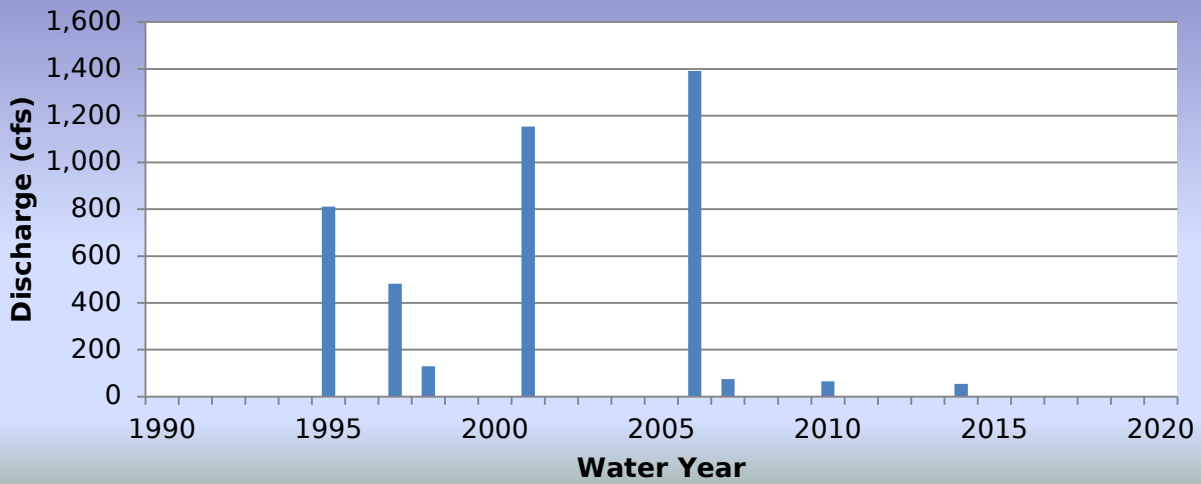
Site Data

LOCATION	On SR 84 between Stanfield and Casa Grande
DRAINAGE AREA	1,729 mi ²
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	03/23/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.53 Years 8,228 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	1,295.256 feet NAVD88

Watershed Map



Greene Wash at SR84 - water year peaks



2016 Events

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

Hydrograph of peak WY 2016 flow event,

There were no runoff events in water year 2016

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 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

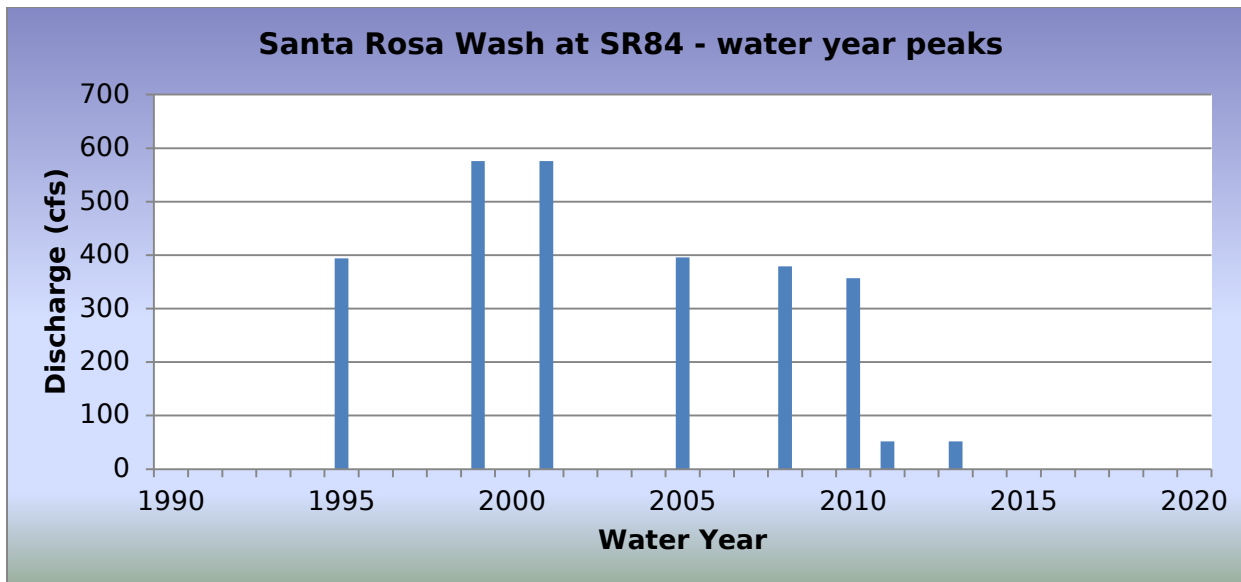
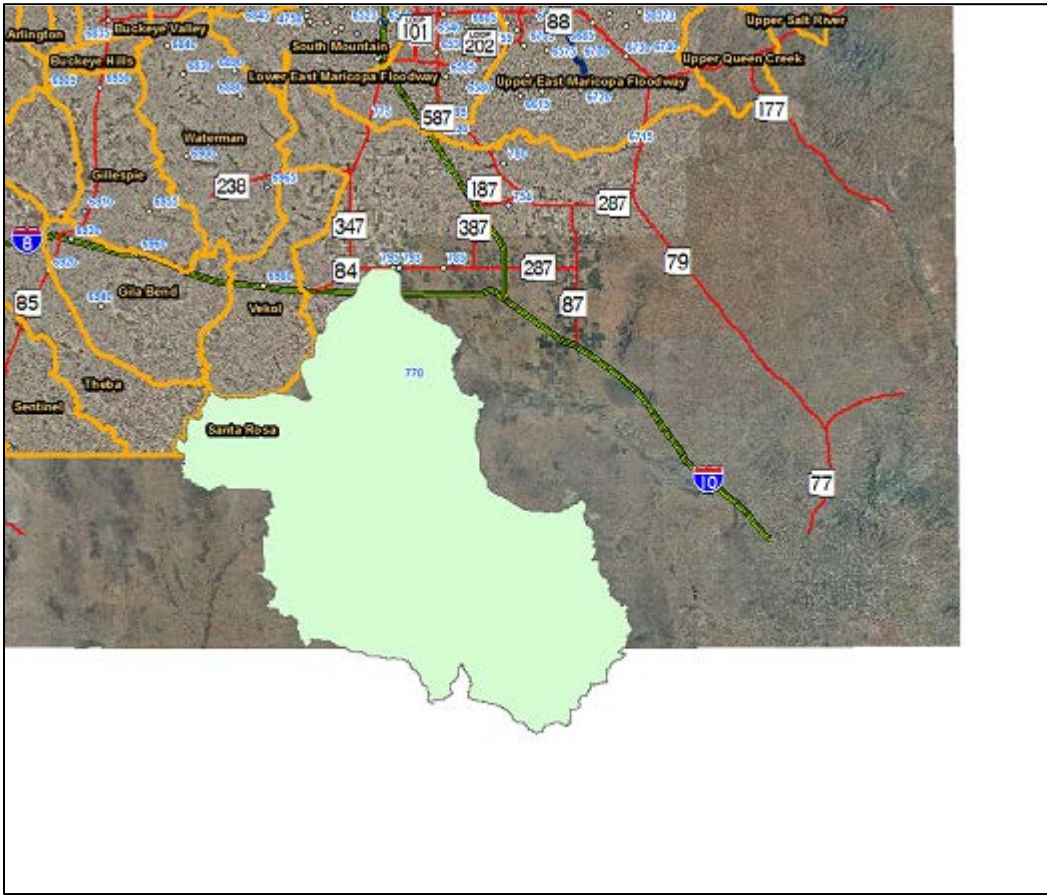
Santa Rosa Wash at SR84 , ID #0798



Site Data

LOCATION	On SR 84 between Stanfield and Casa Grande
DRAINAGE AREA	1,941 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Pinal County, Arizona
WATERSHED	Santa Rosa
SECTION/TOWNSHIP/RANGE	S21 T6S R4E
LATITUDE	N 32° 52' 46.2" +32.87946
LONGITUDE	W 111° 56' 48.3" -111.94670
STREAMGAGE INSTALLATION DATE	03/16/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	03/16/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.55 Years 8,235 Days
GAPS (> 2 DAYS) IN RECORD	05/29/2012 - 10/29/2012
STAGE GAGE ELEVATION	2.10 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,292.42 feet NAVD88
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	576 cfs 0.41 feet 10/25/2000 and 07/08/1999

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event,

There were no runoff events in water year 2016

Flood Flow Frequency

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

Santa Rosa Wash at SR84, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0

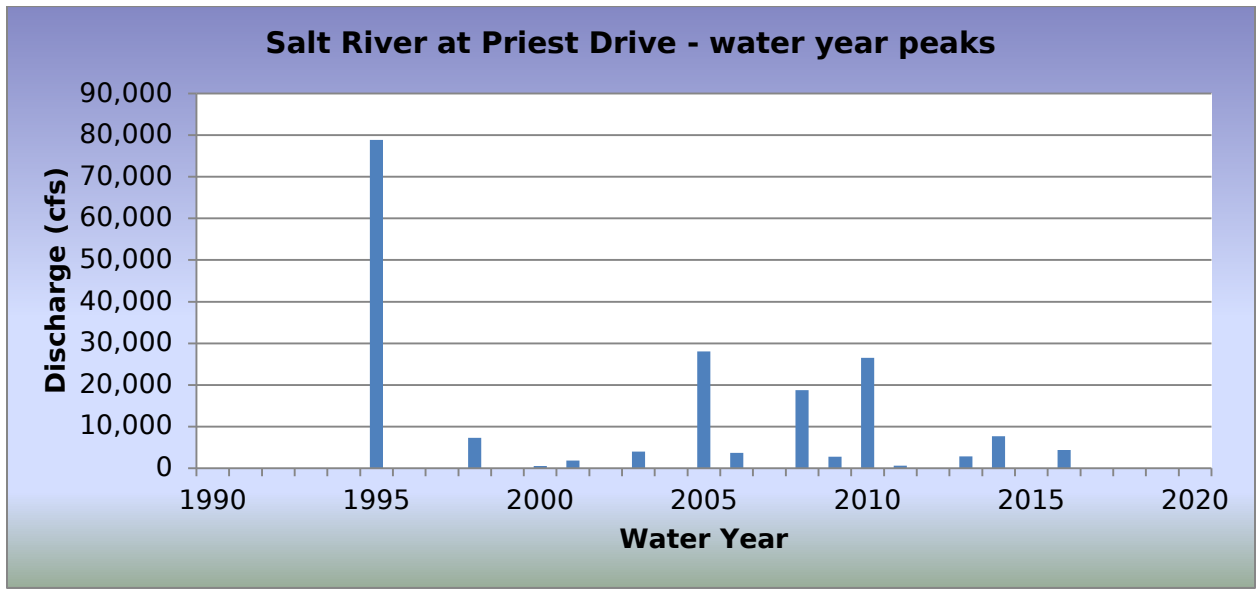
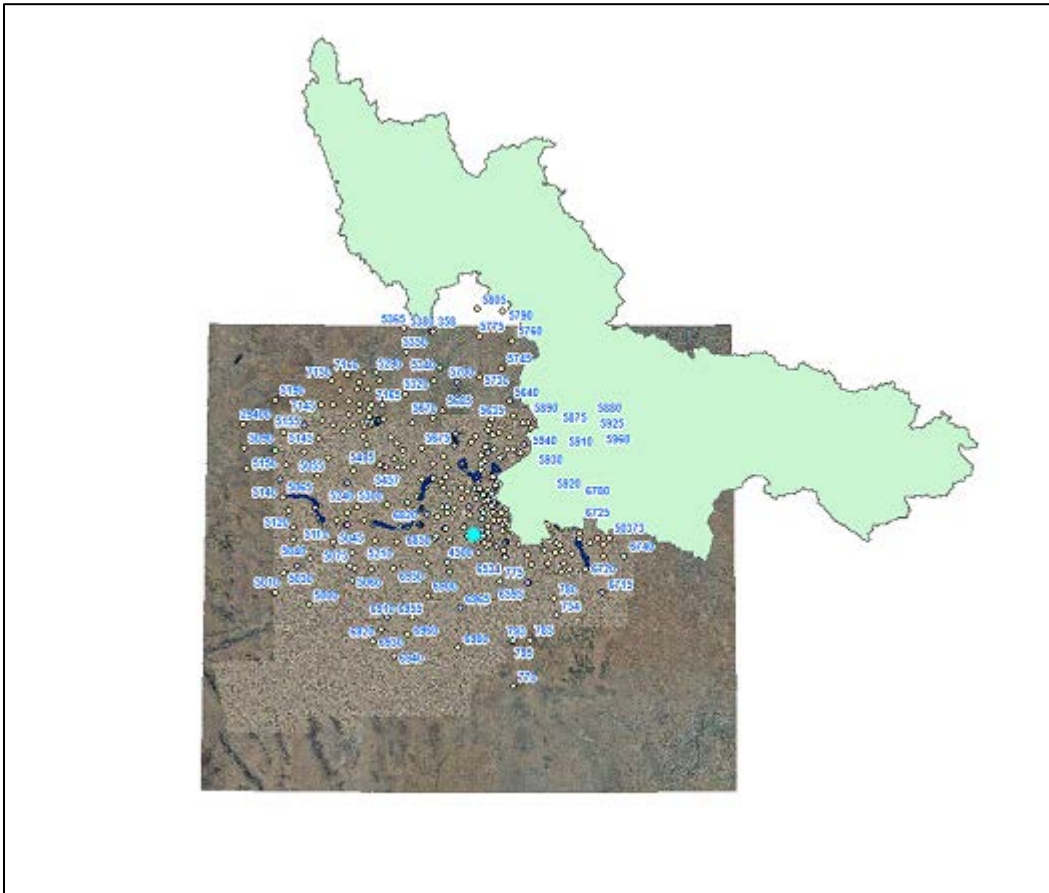
Salt River at Priest Drive, ID #4523



Site Data

LOCATION	Located on the Priest Drive Bridge
DRAINAGE AREA	13,223 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Tempe, Arizona
WATERSHED	Lower ACDC / South Mountain
SECTION/TOWNSHIP/RANGE	S17 T1N R4E
LATITUDE	N 33° 26' 02.4" +33.43401
LONGITUDE	W 111° 57' 40.7" -111.96132
STREAMGAGE INSTALLATION DATE	12/07/1993 - WY 1994
AVAILABLE PERIOD OF RECORD	12/07/1993 - Current
LENGTH OF AVAILABLE POR DATA	22.82 Years 8,334 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.60 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	2.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	78,850 cfs 12.57 feet 02/16/1995

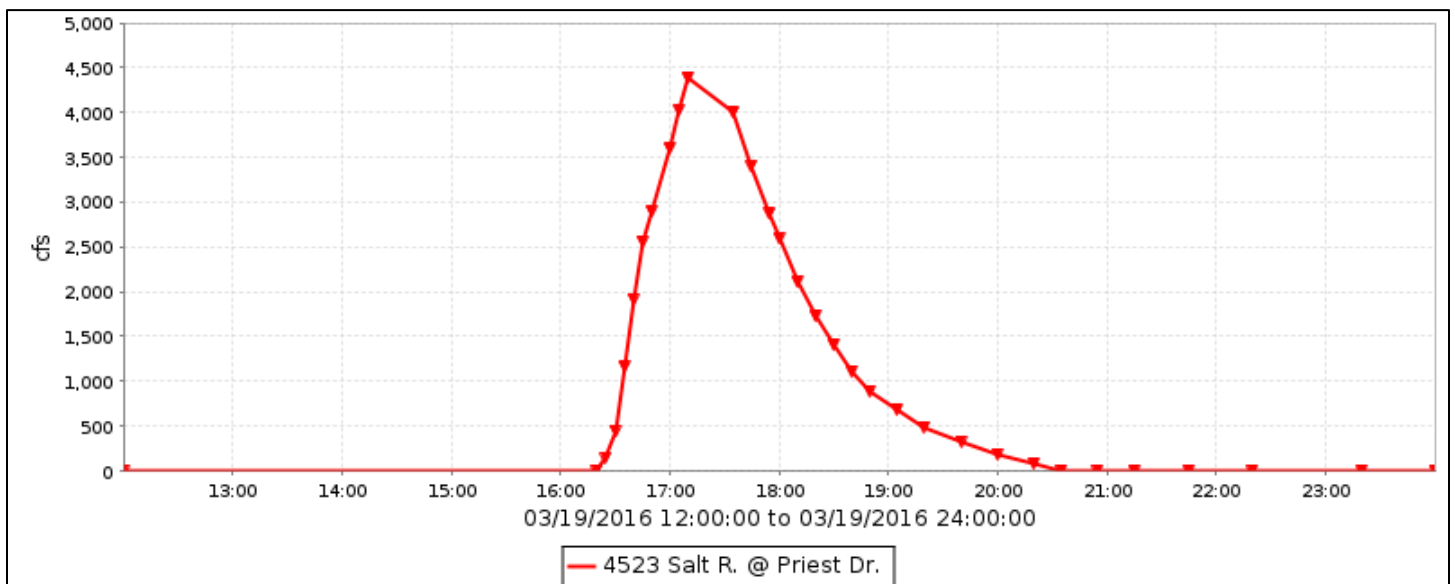
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/08/2016	3.74	643
03/19/2016	5.14	4,383
08/03/2016	4.05	1,227
08/03/2016	4.03	1,180
08/04/2016	3.59	433
08/05/2016	4.47	2,267
08/06/2016	3.72	615

Hydrograph of peak WY 2016 flow event,



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												2
2												2
3											395	2
4											84	2
5											505	2
6											157	2
7				34								2
8				145								2
9												2
10												2
11												2
12												2
13												2
14	---											2
15												2
16												2
17												2
18												2
19						299						2
20												2
21												2
22												2
23												2
24												2
25												2
26												2
27												2
28												2
29												2
30						---					2	2
31		---				---		---		---	2	---
TOTAL	0	0	0	179	0	299	0	0	0	0	1144	60
MEAN	0	0	0	6	0	10	0	0	0	0	37	2
MAX	0	0	0	643	0	4383	0	0	0	0	2267	2
MIN	0	0	0	0	0	0	0	0	0	0	0	2
AC_FT	0	0	0	355	0	592	0	0	0	0	2270	119
WTR YR 2016	TOTAL	1682	MEAN	5	MAX	4383	MIN	0	AC_FT	3336		

See *USGS Water-Data Report AZ-16-1* for official data for this site.

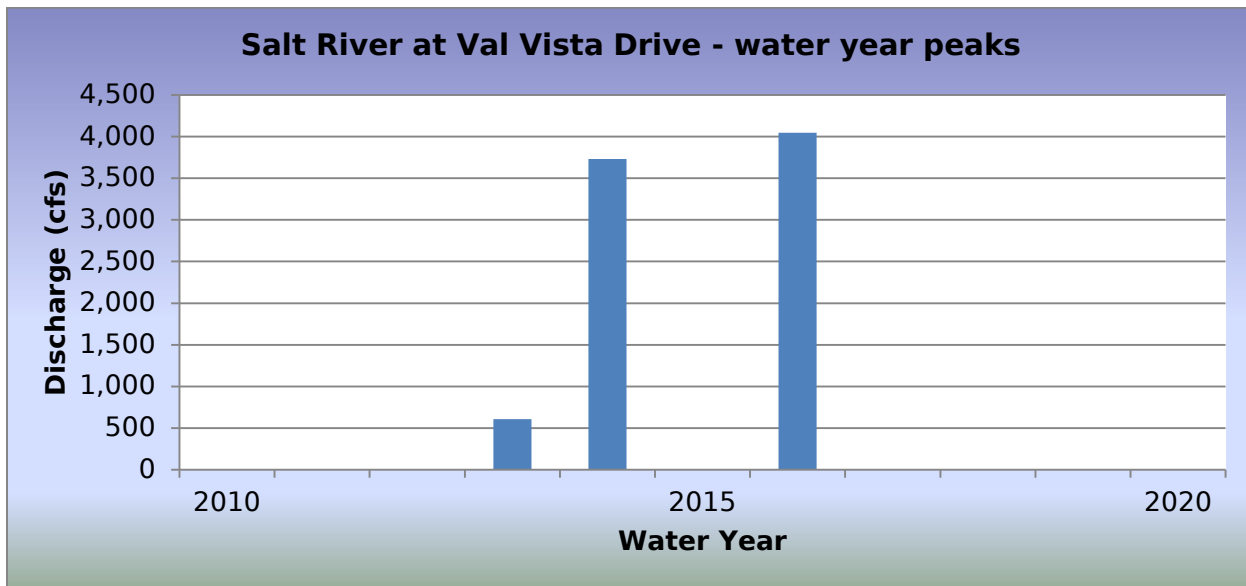
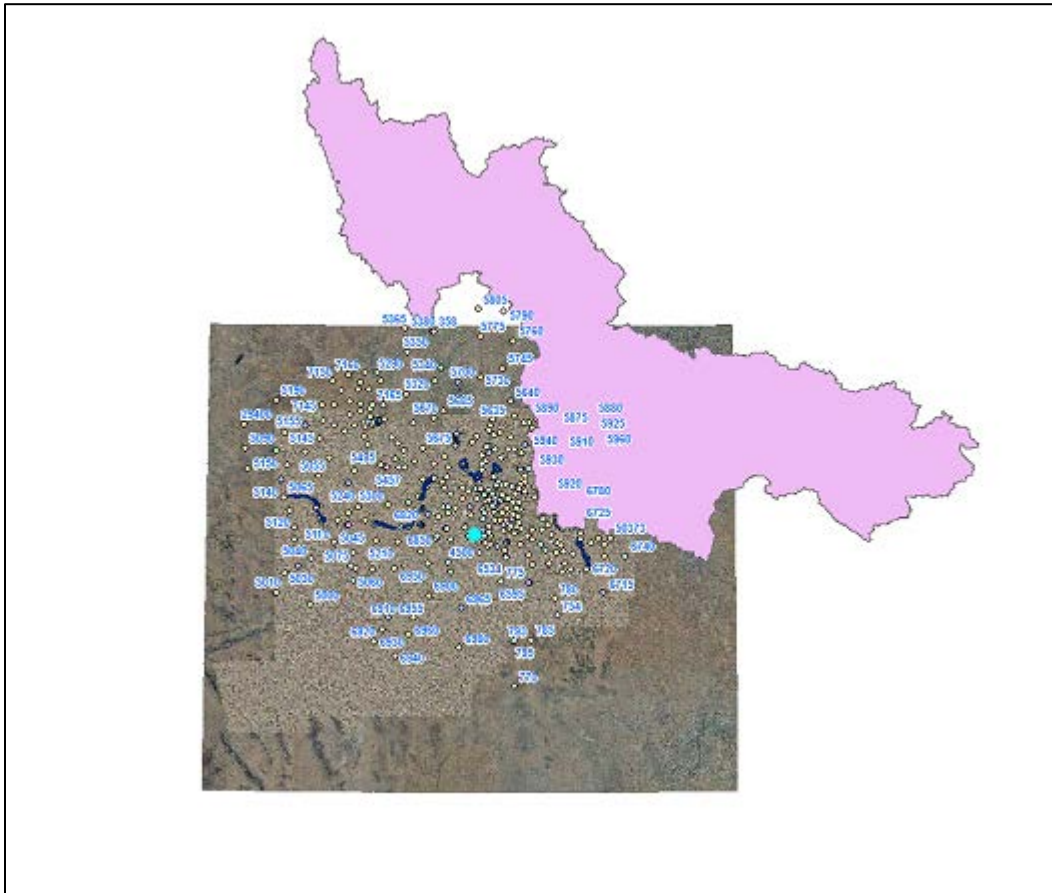
Salt River at Val Vista Drive, ID #4548



Site Data

LOCATION	Located north of SR202L and west of Val Vista Drive
DRAINAGE AREA	12,951 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Mesa, Arizona
WATERSHED	Lower EMF / Evergreen
SECTION/TOWNSHIP/RANGE	S29 T2N R6E
LATITUDE	N 33° 29' 03.3" +33.48426
LONGITUDE	W 111° 45' 44.1" -111.76225
STREAMGAGE INSTALLATION DATE	04/14/2011 - WY 2011
AVAILABLE PERIOD OF RECORD	04/14/2011 - Current
LENGTH OF AVAILABLE POR DATA	5.47 Years 1,997 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	Undetermined
EXTREME FOR PERIOD OF RECORD	4,047 cfs 3.75 feet 01/08/2016

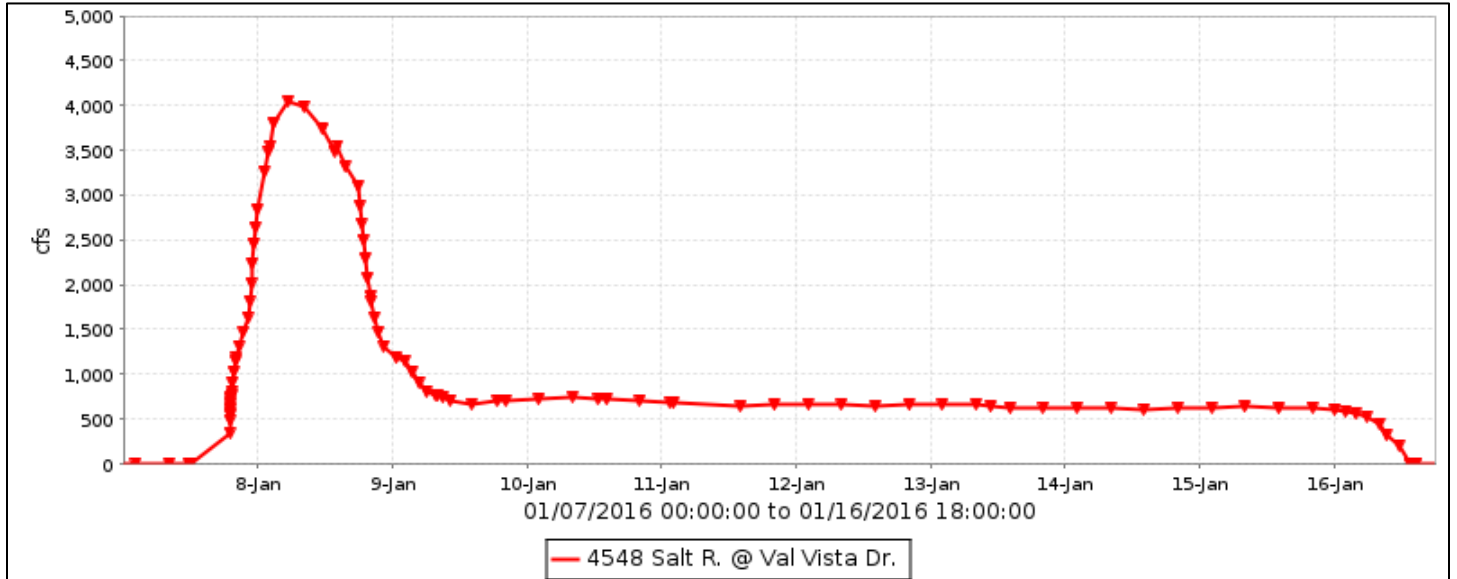
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/08/2016	3.75	4,047

Hydrograph of peak WY 2016 flow event, 01/08/2016



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				318								
8			3215									
9			806									
10			719									
11			667									
12			656									
13			642									
14			623									
15			626									
16			261									
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	8533	0	0	0	0	0	0	0	0
MEAN	0	0	0	275	0	0	0	0	0	0	0	0
MAX	0	0	0	4047	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	16925	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL	8533	MEAN	23	MAX	4047	MIN	0	AC_FT	16925		

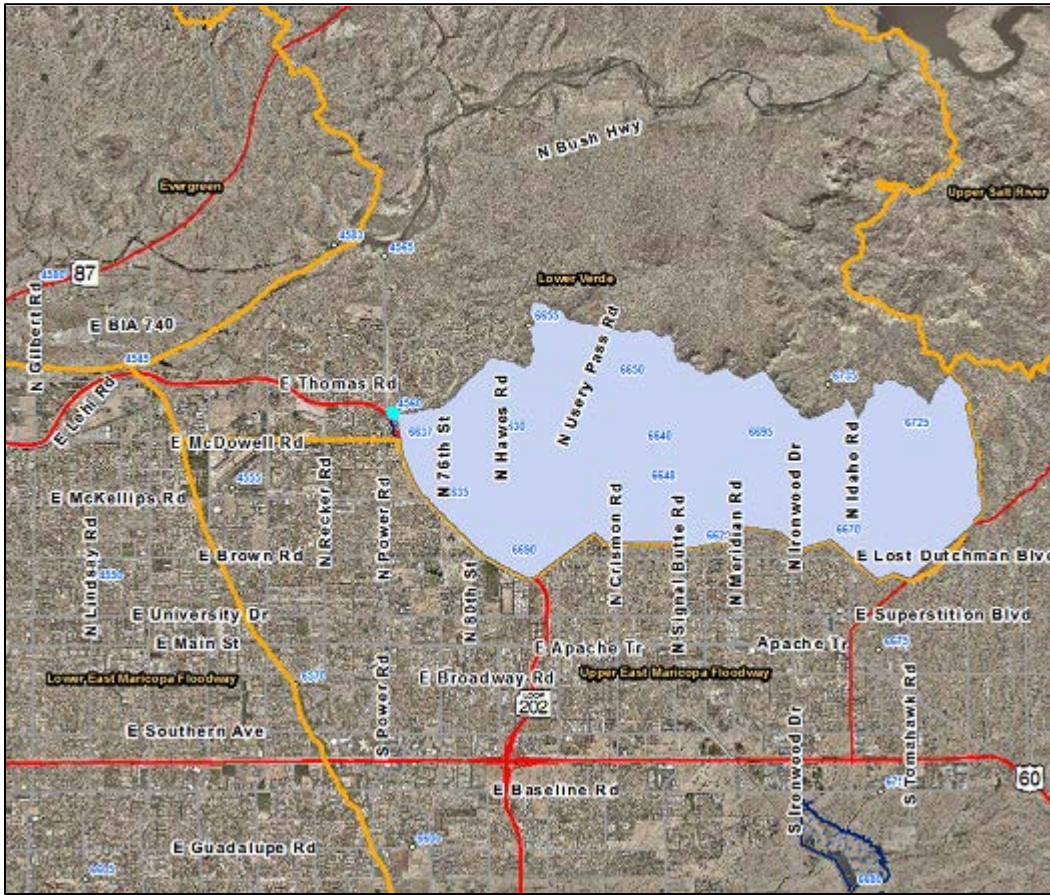
Spookhill FRS, ID #4563



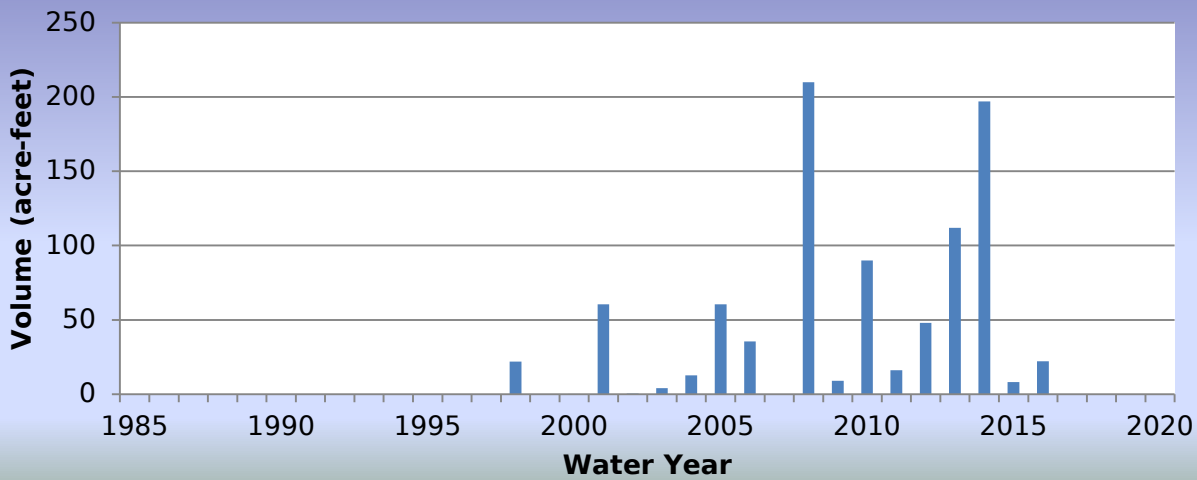
Site Data

LOCATION	Located near Loop 202 and Power Road
DRAINAGE AREA	13.6 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S31 T2N R7E
LATITUDE	N 33° 28' 23.0" +33.47305
LONGITUDE	W 111° 40' 52.7" -111.68131
STREAMGAGE INSTALLATION DATE	03/13/1984 - WY 1984
AVAILABLE POT	12/30/1987 - Current
LENGTH OF AVAILABLE POR DATA	28.76 Years 10,503 Days
GAPS (> 2 DAYS) IN RECORD	05/02/2008 - 06/22/2008
STAGE GAGE ELEVATION	0.28 Feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,568.10 Feet NAVD 1988
NORMAL DRAWDOWN RATE	-0.12 feet per hour
PZF (CONTROLLED OUTLET)	0.0 Feet Gage Height
PZF (UNCONTROLLED OUTLET)	9.4 Feet Gage Height
MINIMUM LEVEL POOL ELEVATION	3.7 feet at Brown Rd, 2.2 feet at McKellips Rd, 1.0 feet at McDowell Rd
MINIMUM FREEWAY LEVEE ELEVATION	14.0 feet Gage Height
SPILLWAY ELEVATION	15.8 feet Gage Height
TOP OF DAM ELEVATION	25.3 feet Gage Height

Watershed Map



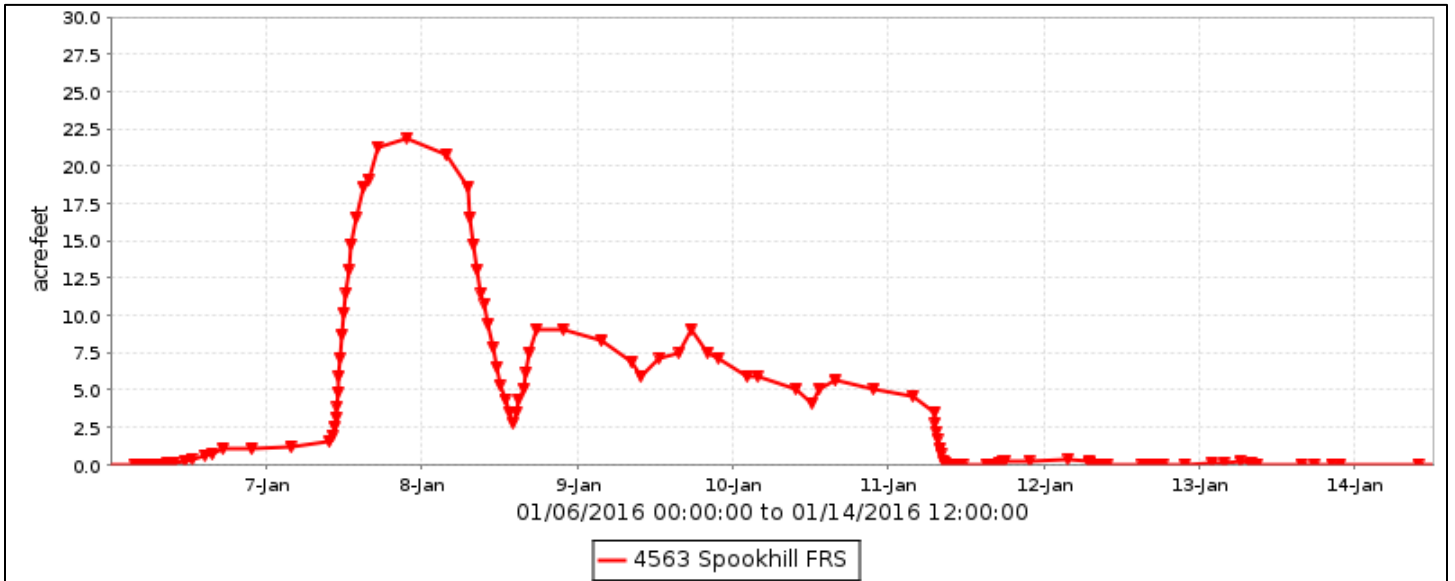
Spookhill FRS - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
11/17/2015	1.10	<1	0.0
01/07/2016	3.60	21.9	0.4
08/10/2016	3.42	17.8	0.4

Hydrograph of peak WY 2016 impoundment event, 01/07/2016



Spookhill FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									4			
2									4			
3									4			
4									4			
5									4			
6				18					4			
7				32					4			
8				34					4			
9				32					4		15	
10				31					4		32	
11				21					4		19	
12				15					4		23	
13				9					4		16	
14									4		1	
15									4			
16		1							4			
17		18							4			
18		12							4			
19		2							4			
20									4			
21									4			
22								---	4			
23								---	4			
24									4			
25									4			
26									4			
27									4			
28									4			
29								4				
30					---			4				
31		---			---		---	4	---			---
TOTAL	0	33	0	191	0	0	0	12	112	0	107	0
MEAN	0	1	0	6	0	0	0	0	4	0	3	0
MAX	0	20	1	37	0	0	0	4	4	0	36	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	65	0	380	0	0	0	24	222	0	211	0
WTR YR 2016	TOTAL	455	MEAN	1	MAX	37	MIN	0	AC_FT	902		

Spookhill FRS, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				10								
8				12								
9				8							5	
10				6							9	
11				2								
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22								---				
23								---				
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	1	0	0	0	0	0	0	0	0
MAX	0	0	0	22	0	0	0	0	0	0	18	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	22	MIN		0				

Spookhill FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	1.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.3	2.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	3.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	2.8	0.3	0.3	0.3	0.3	0.3	0.3	1.5	0.3
10	0.3	0.3	0.3	2.6	0.3	0.3	0.3	0.3	0.3	0.3	2.8	0.3
11	0.3	0.3	0.3	1.6	0.3	0.3	0.3	0.3	0.3	0.3	1.2	0.3
12	0.3	0.3	0.3	1.0	0.3	0.3	0.3	0.3	0.3	0.3	1.5	0.3
13	0.3	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.9	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	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.4	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
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.3
MAX	0.3	1.1	0.4	3.6	0.3	0.3	0.3	0.3	0.3	0.3	3.4	0.3
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
WTR YR 2016	MEAN	0.34	MAX	3.60	MIN	0.28						

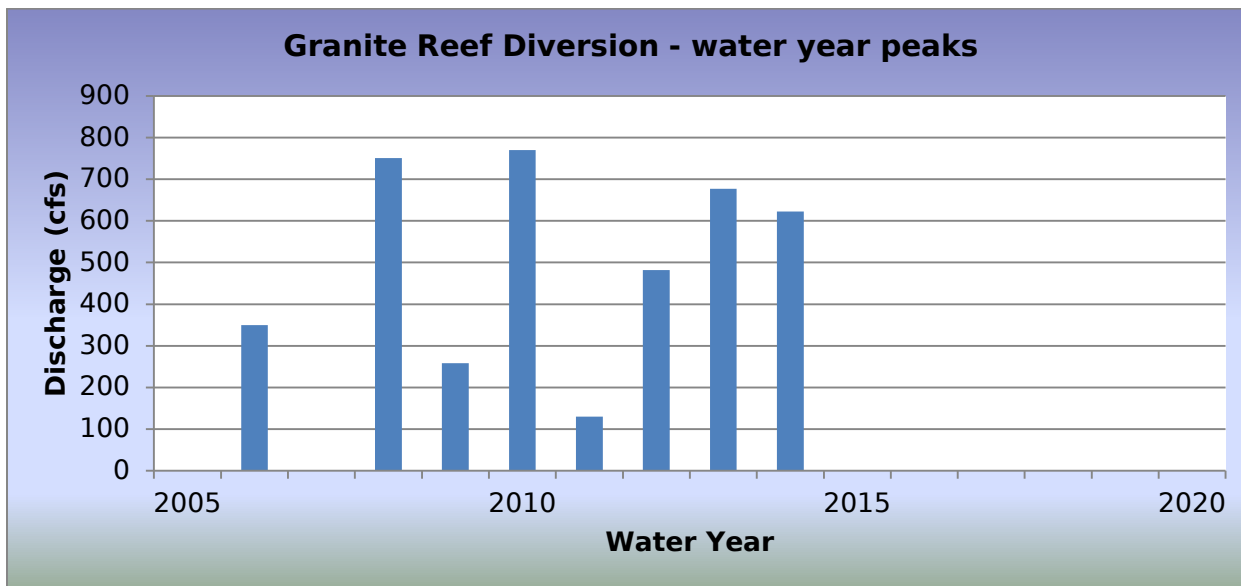
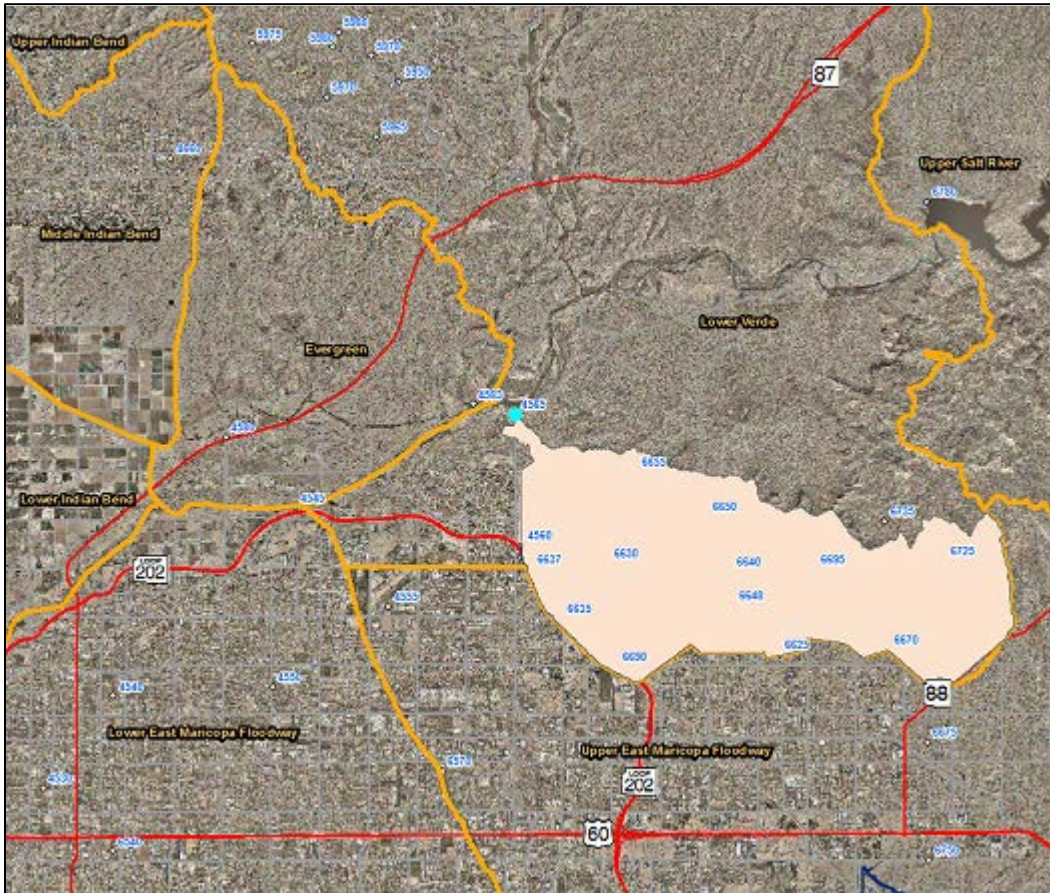
Granite Reef Diversion, ID #4568



Site Data

LOCATION	Located along Bush Highway near Granite Reef Dam
DRAINAGE AREA	33.2 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S18 T2N R7E
LATITUDE	N 33° 30' 43.1" +33.51197
LONGITUDE	W 111° 41' 01.9" -111.68386
STREAMGAGE INSTALLATION DATE	07/21/2005 - WY 2005
AVAILABLE PERIOD OF RECORD	07/21/2005 - Current
LENGTH OF POR	11.20 Years 4,090 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.55 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.0 feet Gage Height
POINT OF ZERO FLOW	-0.4 feet Gage Height
EXTREME FOR PERIOD OF RECORD	770 cfs 1.78 Feet 03/07/2010

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event,

There were no runoff events in water year 2016

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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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 2016	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC_FT	0		

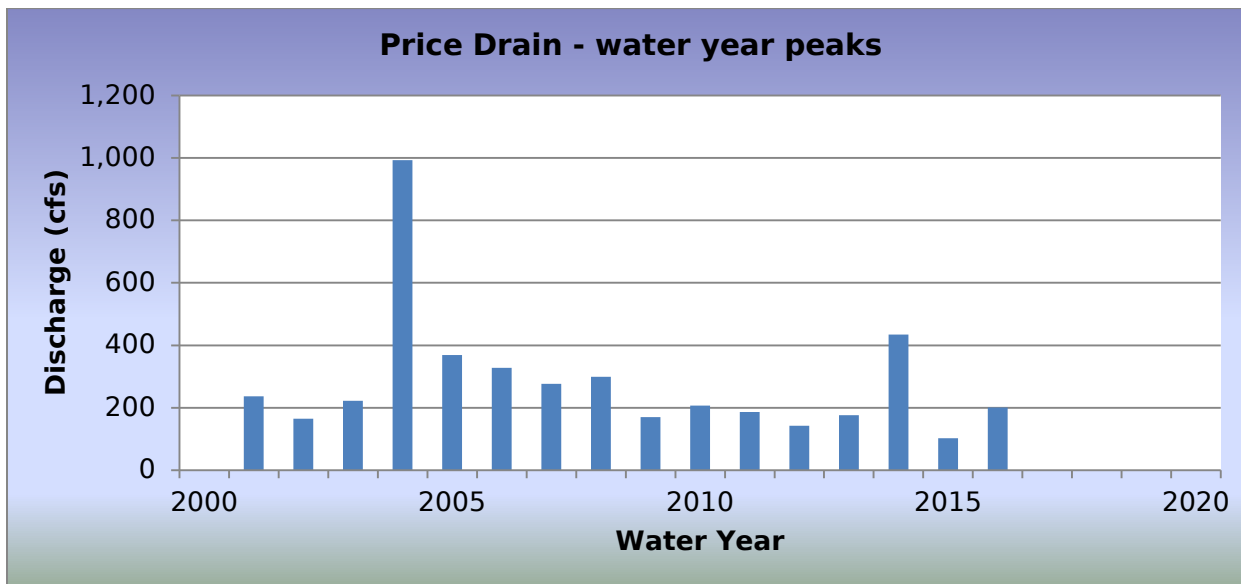
Price Drain, ID #4573



Site Data

LOCATION	Located within the Loop 101 / Loop 202 Interchange
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Mesa
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S18 T1N R5E
LATITUDE	N 33° 26' 03.8" +33.43440
LONGITUDE	W 111° 53' 25.0" -111.89028
STREAMGAGE INSTALLATION DATE	02/18/2001 - WY 2001
AVAILABLE PERIOD OF RECORD	02/18/2001 - Current
LENGTH OF AVAILABLE POR DATA DATA	15.62 Years 5,704 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.26 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	993 cfs 8.50 feet 03/04/2004

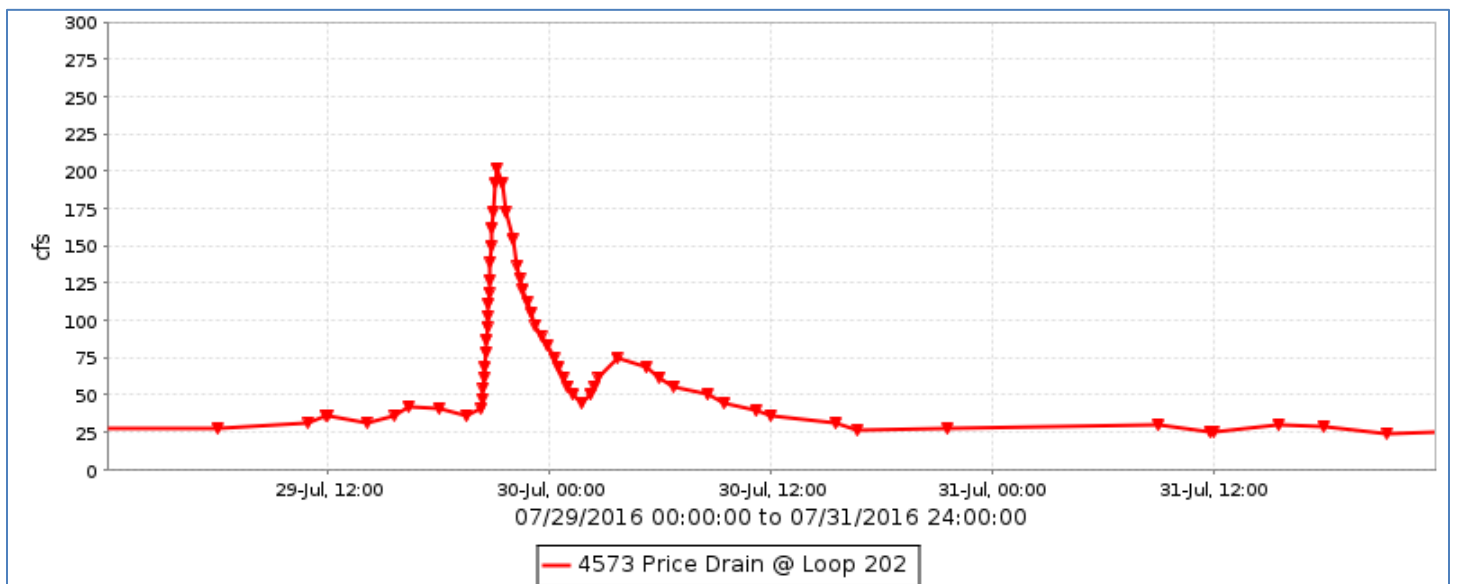
Location Map (watershed undetermined)



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/18/2015	1.98	61
01/07/2016	2.61	104
04/08/2016	2.24	77
06/30/2016	2.35	85
07/29/2016	3.72	201
08/03/2016	3.52	182
08/11/2016	2.90	127
08/21/2016	3.57	187

Hydrograph of peak WY 2016 flow event, 07/29/2016



Flood Flow Frequency

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

Price Drain, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						11	7	20	20	39	25	36
2						14	10	20	20	32	37	31
3						13	10	20	20	26	102	22
4				1		8	8	20	21	21	58	23
5				5		11	10	20	21	24	32	22
6				18		7	13	20	21	32	21	23
7				24		10	12	20	21	31	22	35
8				3		8	31	20	26	22	21	26
9						11	15	20	23	21	30	25
10						11	15	20	20	32	39	27
11						10	16	20	20	31	90	26
12						7	13	20	21	28	85	26
13						9	4	20	21	33	75	23
14						7	16	20	21	28	71	33
15					1	8	16	20	26	27	52	24
16					6	11	18	20	22	27	37	25
17						5	7	15	20	22	31	24
18						9	8	15	20	23	31	21
19						9	11	12	20	21	28	25
20						7	9	15	20	21	32	27
21						9	9	16	20	20	28	35
22						14	15	16	20	26	24	39
23						13	15	15	20	25	27	31
24						13	15	15	20	21	23	29
25						15	16	18	20	21	34	27
26						13	9	15	20	25	27	30
27						12	10	14	20	24	32	28
28						12	11	16	20	24	28	25
29						13	13	20	20	30	47	27
30						---	6	20	20	54	44	26
31						---	7	---	20	---	27	26
TOTAL	8	8	0	51	144	316	437	620	701	917	1193	741
MEAN	0	0	0	2	5	10	15	20	23	30	38	25
MAX	61	16	0	104	20	30	77	20	85	201	187	158
MIN	0	0	0	0	0	4	0	20	19	20	20	15
AC_FT	16	15	0	101	286	627	867	1230	1390	1818	2366	1469
WTR YR 2016	TOTAL	5135	MEAN	14	MAX	201	MIN	0	AC_FT	10186		

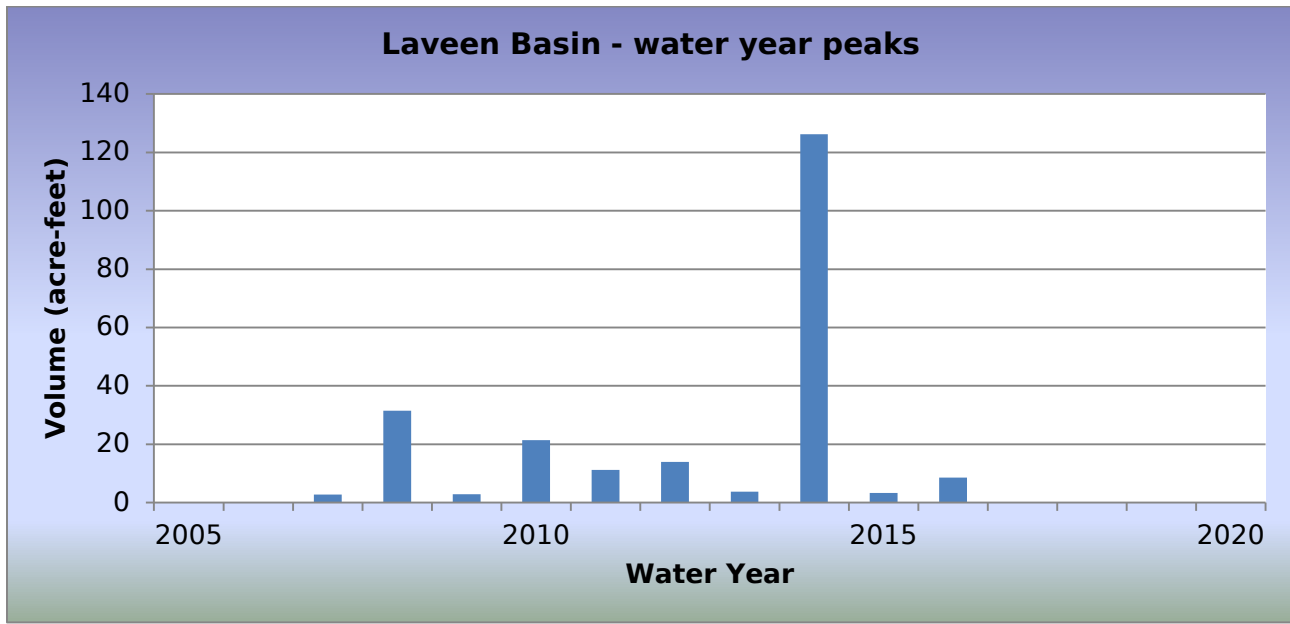
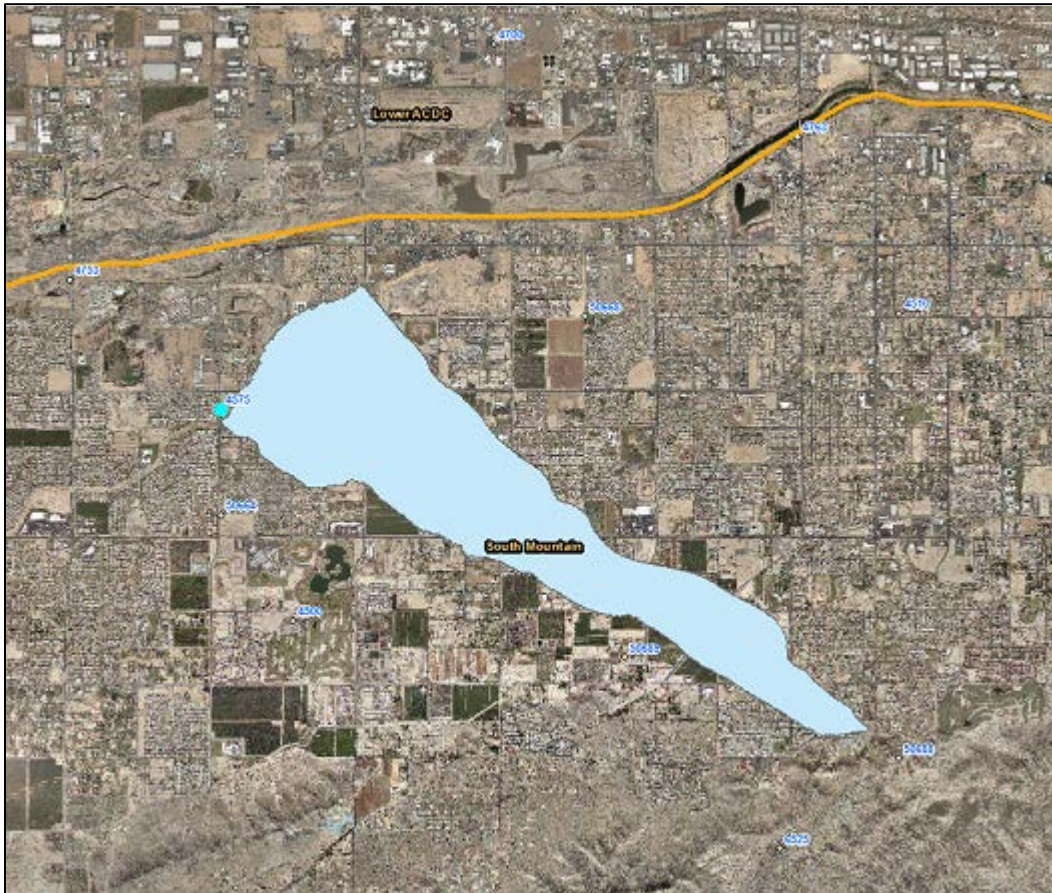
Laveen Basin, ID #4578



Site Data

LOCATION	Located near 43rd Avenue and Southern Avenue
DRAINAGE AREA	Not Determined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S34 T1N R2E
LATITUDE	N 33° 23' 25.2" +33.39033
LONGITUDE	W 112° 09' 02.6" -112.15072
STREAMGAGE INSTALLATION DATE	11/07/2006 - WY 2007
AVAILABLE PERIOD OF RECORD	11/07/2006 - Current
LENGTH OF AVAILABLE POR DATA	9.90 Years 3,616 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.20 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,001.20 feet M.S.L.
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

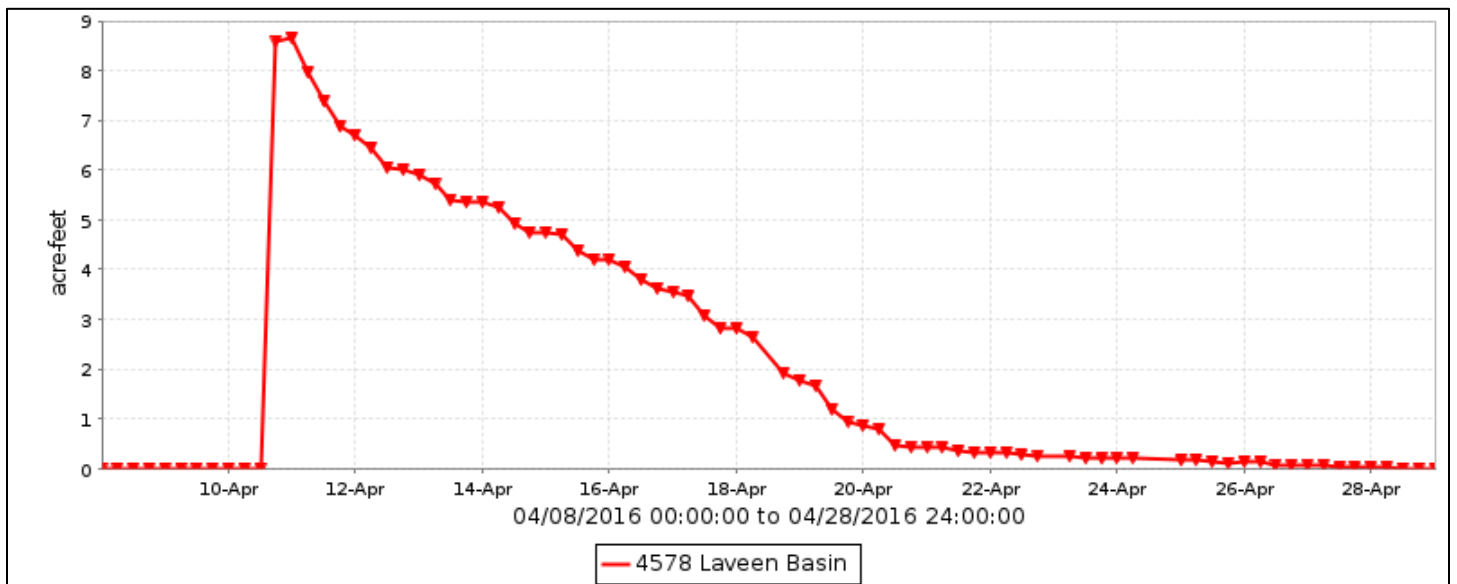
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/07/2015	2.04	1.3	0.9
10/18/2015	2.61	3.1	2.3
01/07/2016	3.49	6.0	4.3
02/01/2016	2.76	3.6	2.6
04/11/2016	4.28	8.6	6.2
07/30/2016	2.69	3.1	2.3
08/21/2016	2.96	4.3	3.1

Hydrograph of peak WY 2016 impoundment event, 04/11/2016



Laveen Basin, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1		1			9							2			
2					9							2			
3					8							1			
4					8										
5					7										
6	2			5	7							1			
7	7			10	6							1			
8	6			11	5										
9	6			9	4										
10	3			5	3		3								
11					2		12								
12					2		11								
13					2		11								
14					1		10								
15					2		10								
16					1		9								
17					1		9					3			
18	2						8					4			
19	8						7								
20	8						5					3			
21	8						1					9			
22	8											8			
23	7											7			
24	7											6			
25	7											5			
26	6											1			
27	5											1			
28	3											1			
29	5														
30	6				---					8					
31	3	---			---		---		---	8		---			
TOTAL	108	2	0	41	77	0	96	0	0	16	57	1			
MEAN	3	0	0	1	3	0	3	0	0	1	2	0			
MAX	9	2	0	11	9	0	12	0	0	9	10	1			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	215	4	0	81	153	0	190	0	0	32	112	2			
WTR YR 2016	TOTAL		398	MEAN		1	MAX		12	MIN		0	AC_FT		790

Laveen Basin, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					4							
2					3						1	
3					3							
4					2							
5					2							
6				2	1							
7	1			5	1							
8	1			6	1							
9	1			4								
10				1			2					
11							8					
12							6					
13							6					
14							5					
15							5					
16							4					
17							3				1	
18	1						3				1	
19	3						1					
20	3						1				1	
21	3										4	
22	2										2	
23	2										2	
24	2										1	
25	1										1	
26	1											
27	1											
28												
29	1											
30	1				---					3		
31		---			---		---		---	2		---
MEAN	1	0	0	1	1	0	1	0	0	0	1	0
MAX	3	0	0	6	4	0	9	0	0	3	4	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	9	MIN	0					

Laveen Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	1.6	0.2	0.2	2.7	0.2	0.2	0.2	0.2	0.2	1.6	0.2
2	0.2	1.5	0.2	0.2	2.7	0.2	0.2	0.2	0.2	0.2	1.6	0.2
3	0.2	1.4	0.2	0.2	2.5	0.2	0.4	0.2	0.2	0.2	1.2	0.2
4	0.2	1.3	0.2	0.2	2.3	0.2	0.6	0.2	0.2	0.2	0.5	0.2
5	0.2	1.2	0.2	0.2	2.2	0.2	0.6	0.2	0.2	0.2	0.9	0.2
6	0.9	1.1	0.2	1.6	2.0	0.2	0.6	0.2	0.2	0.2	1.5	0.2
7	2.0	1.1	0.2	3.2	1.9	0.2	0.6	0.2	0.2	0.2	1.5	0.5
8	1.9	1.0	0.2	3.3	1.8	0.2	0.6	0.2	0.2	0.2	1.4	0.7
9	1.9	0.9	0.2	2.8	1.7	0.2	0.6	0.2	0.2	0.2	1.3	0.7
10	1.5	0.9	0.2	2.0	1.7	0.2	1.6	0.2	0.2	0.2	1.3	0.7
11	0.9	0.8	0.2	1.1	1.7	0.2	4.0	0.2	0.2	0.2	1.2	0.8
12	0.9	0.8	0.2	0.8	1.6	0.2	3.6	0.2	0.2	0.2	1.1	0.8
13	0.6	0.7	0.2	0.2	1.6	0.2	3.4	0.2	0.2	0.2	1.1	0.7
14	0.6	0.7	0.2	0.2	1.6	0.2	3.2	0.2	0.2	0.2	1.1	0.8
15	0.6	0.8	0.2	0.2	1.6	0.2	3.0	0.2	0.2	0.2	1.1	0.8
16	0.6	0.9	0.2	0.2	1.6	0.2	2.9	0.2	0.2	0.2	1.1	0.8
17	0.7	0.7	0.2	0.2	1.6	0.2	2.6	0.2	0.2	0.2	1.6	0.8
18	1.1	0.7	0.2	0.2	0.9	0.2	2.4	0.2	0.2	0.2	1.8	0.7
19	2.6	0.7	0.2	0.2	0.7	0.2	2.1	0.2	0.2	0.2	1.2	0.7
20	2.5	0.7	0.2	0.2	0.7	0.2	1.8	0.2	0.2	0.2	1.6	0.6
21	2.5	0.7	0.2	0.2	0.6	0.2	1.6	0.2	0.2	0.2	2.7	0.7
22	2.4	0.7	0.2	0.2	0.2	0.2	1.4	0.2	0.2	0.2	2.3	0.7
23	2.3	0.7	0.2	0.2	0.2	0.2	1.2	0.2	0.2	0.2	2.1	1.5
24	2.1	0.7	0.2	0.2	0.2	0.2	1.2	0.2	0.2	0.2	1.9	1.4
25	2.0	0.7	0.2	0.2	0.2	0.2	1.1	0.2	0.2	0.2	1.8	1.3
26	1.9	0.7	0.2	0.2	0.2	0.2	1.0	0.2	0.2	0.2	1.6	1.2
27	1.8	0.7	0.2	0.2	0.2	0.2	0.9	0.2	0.2	0.2	1.6	1.1
28	1.7	0.7	0.2	0.2	0.2	0.2	0.8	0.2	0.2	0.2	1.5	1.1
29	1.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.4	0.9
30	1.9	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	2.6	0.2	0.9
31	1.7	---	0.2	0.2	---	0.2	---	0.2	---	2.3	0.2	---
MEAN	1.4	0.9	0.2	0.6	1.3	0.2	1.5	0.2	0.2	0.3	1.4	0.7
MAX	2.6	1.6	0.2	3.5	2.8	0.2	4.3	0.2	0.2	2.7	3.0	1.6
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 2016	MEAN	0.74	MAX	4.28	MIN	0.20						

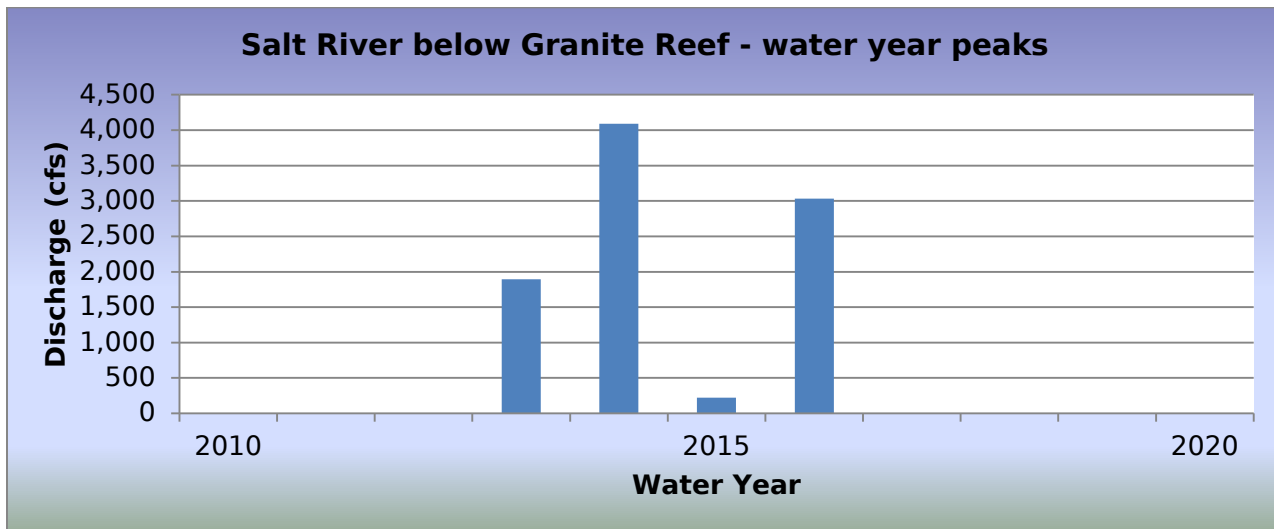
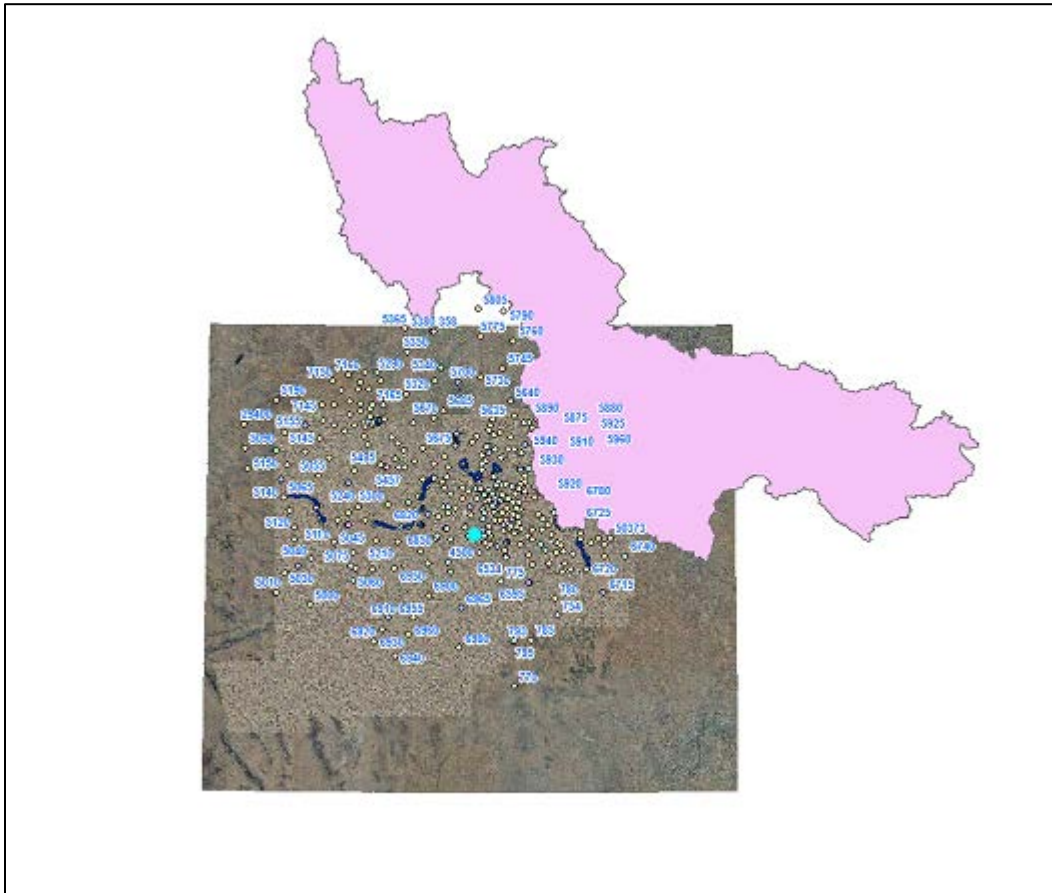
Salt River below Granite Reef Dam, ID #4583



Site Data

LOCATION	Located about 1/2 mile downstream from Granite Reef Diversion structure
DRAINAGE AREA	12,919 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Salt River Pima-Maricopa Indian Community, Arizona
WATERSHED	Lower Verde / Evergreen
SECTION/TOWNSHIP/RANGE	S13 T2N R6E
LATITUDE	N 33° 30' 53.5" +33.5147
LONGITUDE	W 111° 41' 56.4" -111.6990
STREAMGAGE INSTALLATION DATE	04/02/2012 - WY 2012
AVAILABLE PERIOD OF RECORD	04/02/2012 - Current
LENGTH OF AVAILABLE POR DATA	4.50 Years 1,643 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	Undetermined
EXTREME FOR PERIOD OF RECORD	4,090 cfs 2.40 feet 09/27/2014

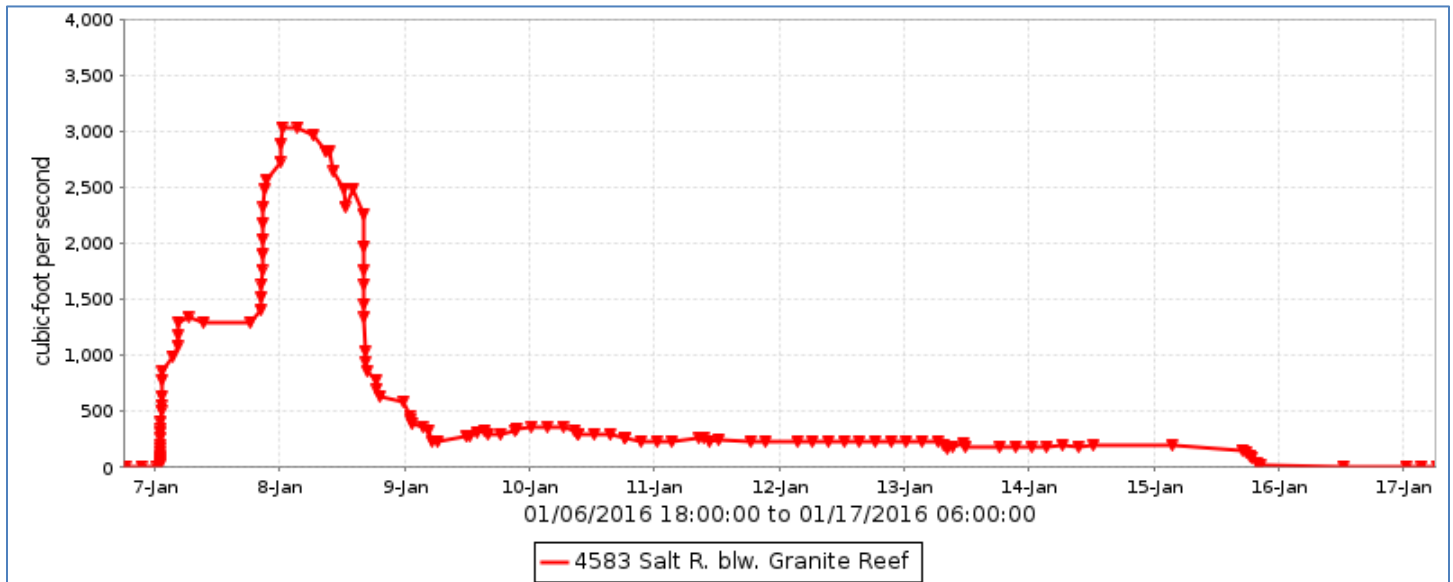
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/08/2016	2.08	3,031
08/02/2016	1.61	1.657

Hydrograph of peak WY 2016 flow event, 01/08/2016



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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											3	75
2					1			3		3	158	79
3					3			5		---	185	77
4	---			2	2			4		---	40	71
5				3	3			7		---	44	70
6				3	1			5		---	45	47
7				1338	2			4		3	49	47
8				2125	1			5		---	56	70
9				302	1			6		3	79	64
10				301	1			4		3	96	66
11				227				5			80	60
12				221	1			6		3	80	70
13				191				4		3	85	70
14				185	1			4		3	85	65
15				150				5		3	96	55
16				5				8	---	3	112	58
17								5	---	3	112	55
18								5		3	107	60
19								5	---	3	101	63
20					1			6	---	3	96	65
21					1			5	---	3	89	62
22								5	---	3	78	52
23								7	---	3	75	65
24					1			6		3	80	66
25								2		3	90	70
26								8	---	3	96	71
27								7	---	3	90	70
28								2	---	3	90	70
29										3	101	61
30					---				---	3	79	59
31		---			---		---		---	3	80	---
TOTAL	0	0	0	5053	19	0	0	136	3	90	2657	1935
MEAN	0	0	0	163	1	0	0	4	0	3	86	64
MAX	0	0	0	3031	7	0	0	22	3	3	1657	85
MIN	0	0	0	0	0	0	0	0	0	3	3	47
AC_FT	0	0	0	10022	38	0	0	269	7	179	5271	3837
WTR YR 2016	TOTAL	9893	MEAN	27	MAX	3031	MIN	0	AC_FT	19623		

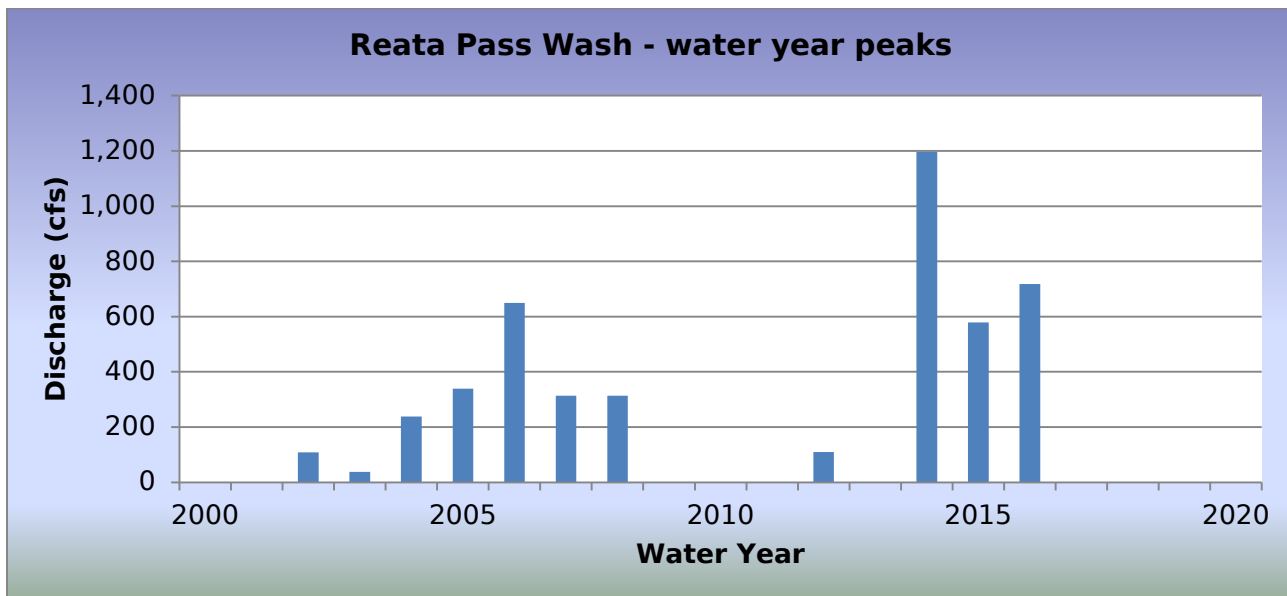
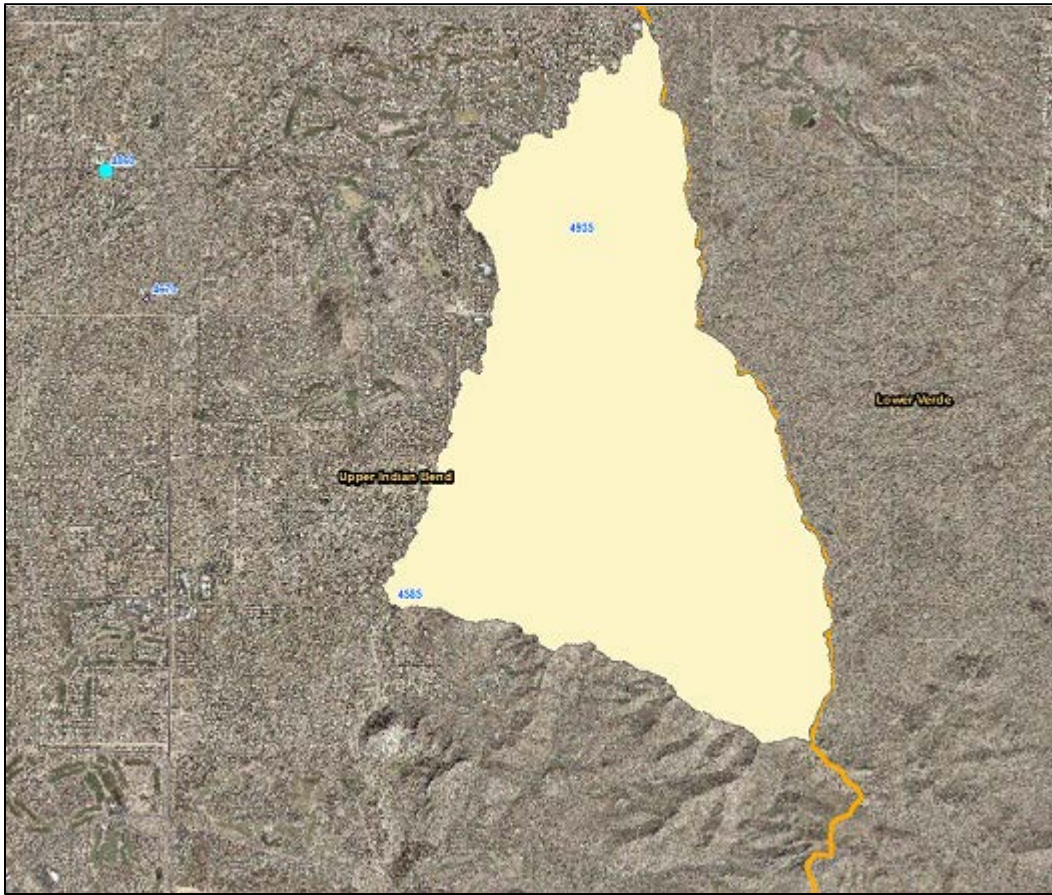
Reata Pass Wash – ID #4588



Site Data

LOCATION	Located on Pinnacle Peak Road about 1.6 miles east of Pima Road
DRAINAGE AREA	7.9 mi ²
STREAM TYPE	Natural stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S17 T4N R5E
LATITUDE	N 33° 41' 52.9" +33.69804
LONGITUDE	W 111° 51' 50.6" -111.86408
STREAMGAGE INSTALLATION DATE	05/15/2001 - WY 2001
AVAILABLE PERIOD OF RECORD	05/15/2001 - Current
LENGTH OF AVAILABLE POR DATA	15.38 Years 5,618 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.30 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	2,172.92 feet NAVD 1988
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

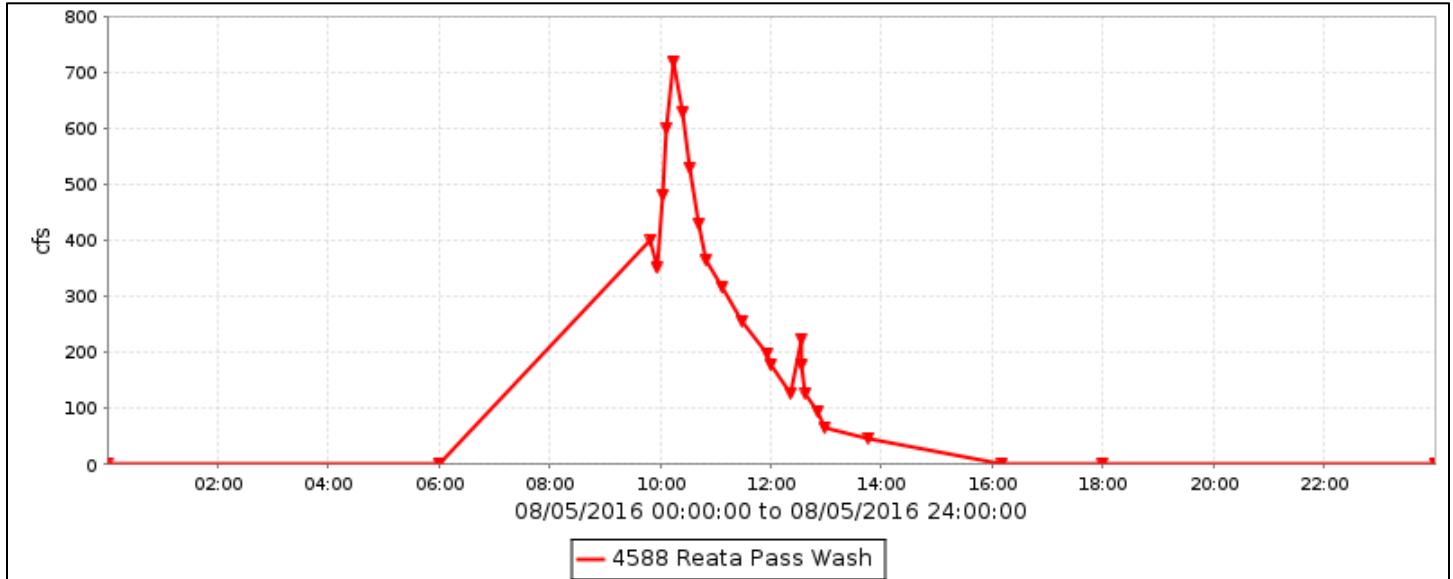
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/07/2016	0.50	58
08/05/2016	1.60	718

Hydrograph of peak WY 2016 flow event, 08/05/2016



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
79	546	1,360	2,730	5,680	8,980

Reata Pass Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4					2							---
5											49	---
6												
7				5								
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	5	2	0	0	0	0	0	49	0
MEAN	0	0	0	0	0	0	0	0	0	0	2	0
MAX	0	0	0	58	30	0	0	0	0	0	718	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	10	4	0	0	0	0	0	98	0
WTR YR 2016	TOTAL	56	MEAN	0	MAX	718	MIN	0	AC_FT	111		

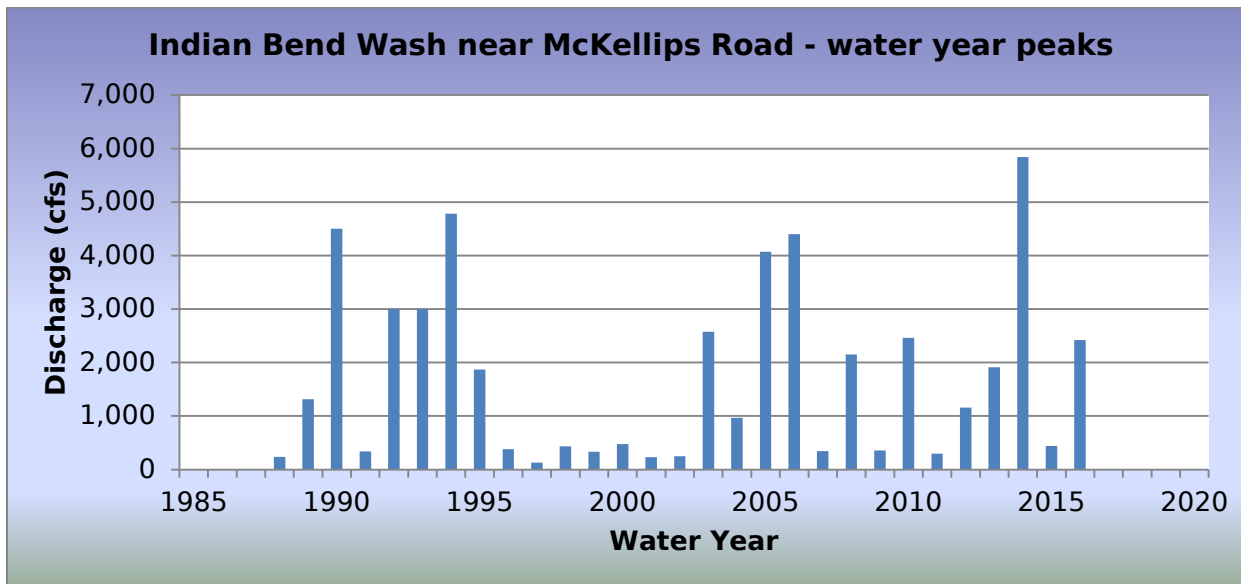
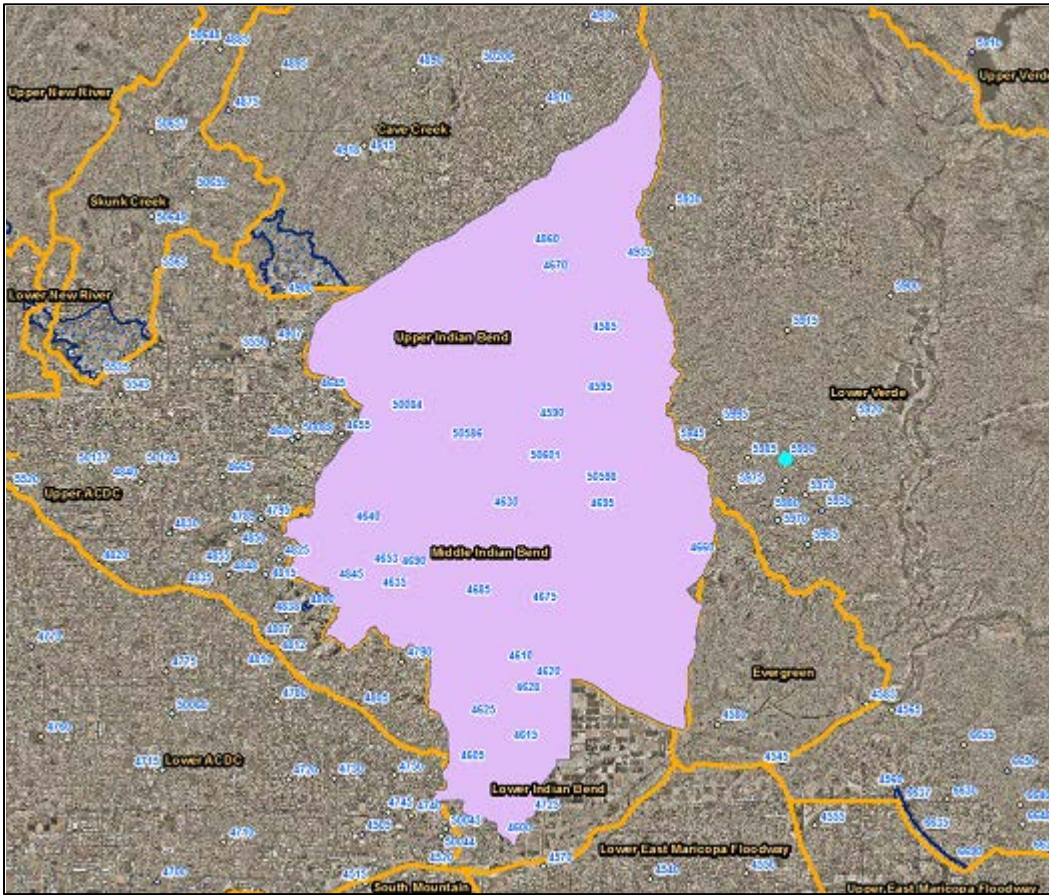
Indian Bend Wash near McKellips Road, ID #4603



Site Data

LOCATION	About 1/3 mile south of McKellips Road
DRAINAGE AREA	101 mi ²
STREAM TYPE	Channelized Natural Ephemeral Stream
JURISDICTION	Tempe, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S11 T1N R4E
LATITUDE	N 33° 26' 57.2" +33.44923
LONGITUDE	W 111° 54' 53.3" -111.91482
STREAMGAGE INSTALLATION DATE	05/21/1985 - WY 1985
AVAILABLE PERIOD OF RECORD	11/10/1987 - Current
LENGTH OF AVAILABLE POR DATA	28.89 Years 10,553 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,173.99 feet Gage NAVD 1988
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,841 cfs 6.90 feet 09/08/2014

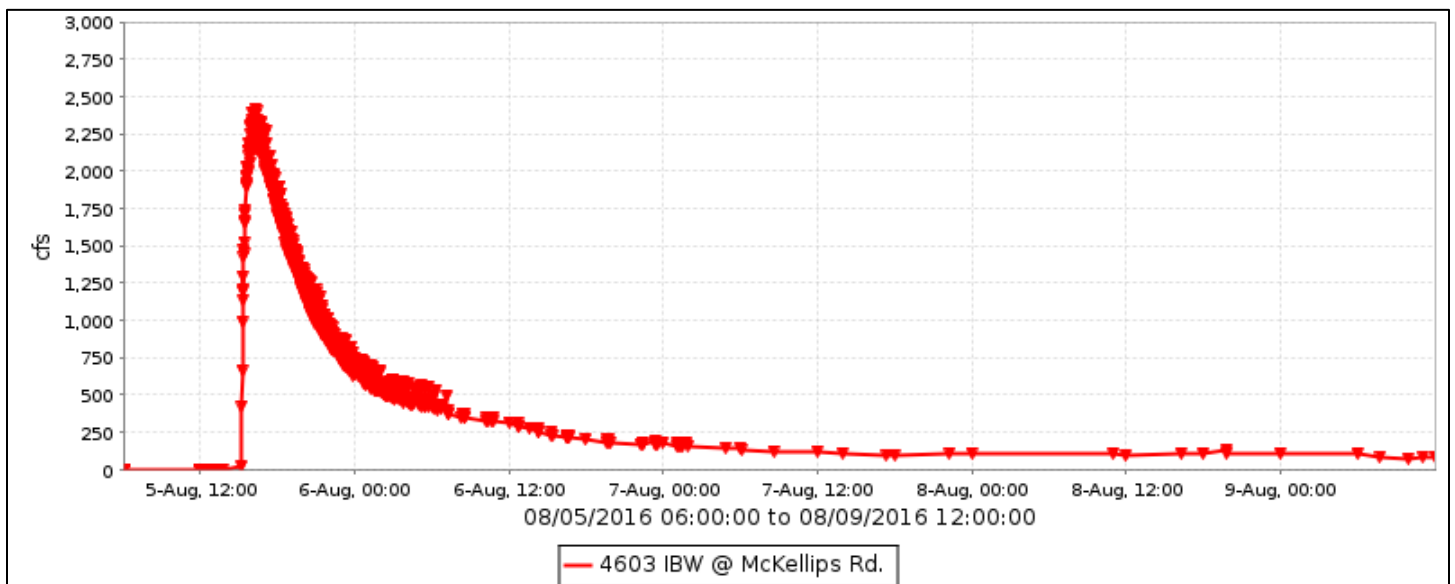
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/19/2015	1.30	182
10/22/2015	1.00	102
01/06/2016	1.10	125
01/08/2016	1.90	443
07/20/2016	1.05	113
07/29/2016	1.72	349
08/05/2016	4.30	2,418
08/09/2016	2.86	1,120

Hydrograph of peak WY 2016 flow event, 08/05/2016



Flood Flow Frequency

Flood Flow Frequency N=29, HEC-WRC computation (based on 29 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
1,010	2,650	4,370	6,560	10,300	14,000

Indian Bend Wash near McKellips Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												30
2											21	13
3											32	
4											40	
5											512	
6				31							331	
7	1			173							126	
8				325							106	
9				128							211	
10				52							166	
11				26							155	
12				11							29	
13				1							17	
14												
15												
16				---								
17				---								
18	26			---						2		
19	79			---						60		
20										69		
21										40	2	
22	12								---	23		39
23									---		23	48
24											24	3
25											8	
26											33	
27											39	15
28											34	32
29										27		
30					---					8		
31		---			---		---		---	---	15	---
TOTAL	118	0	0	746	0	0	0	0	0	229	1925	179
MEAN	4	0	0	24	0	0	0	0	0	7	63	6
MAX	182	0	0	443	0	0	0	0	0	349	2418	163
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	233	0	0	1480	0	0	0	0	0	455	3817	356
WTR YR 2016	TOTAL	3197	MEAN	9	MAX	2418	MIN	0	AC_FT	6341		

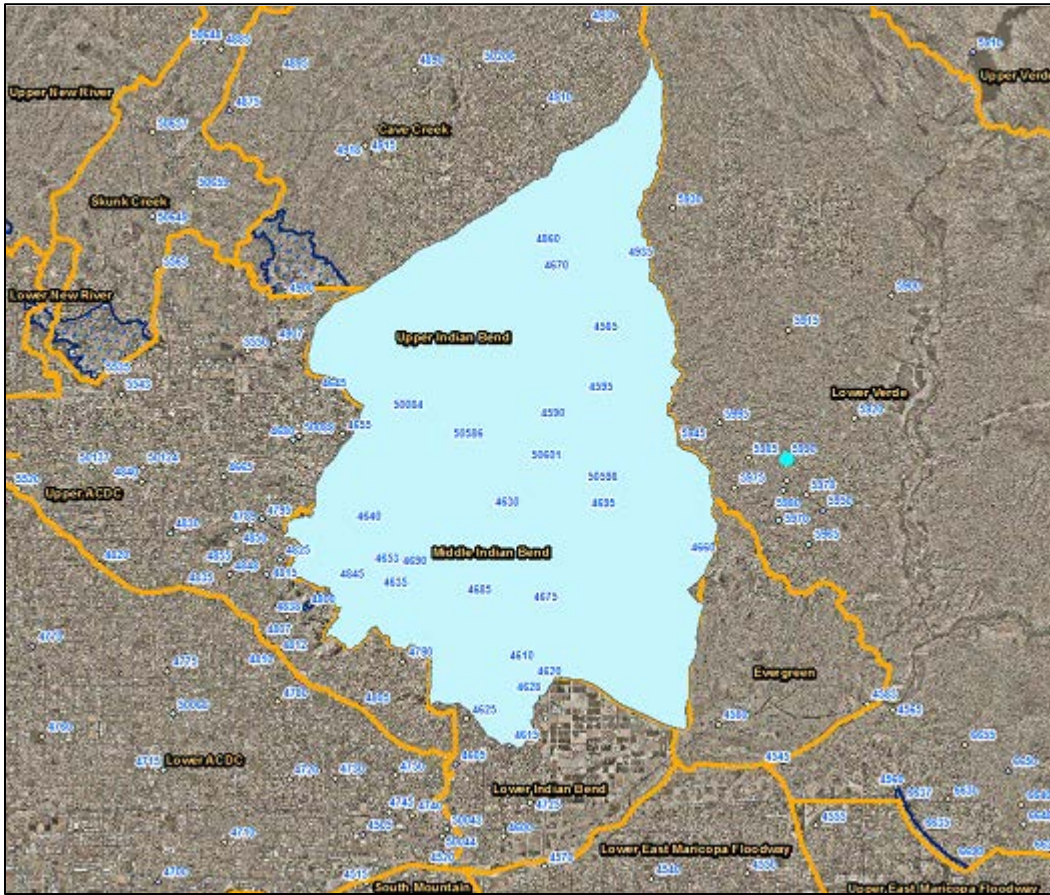
Indian Bend Wash near Indian Bend Road – ID #4613



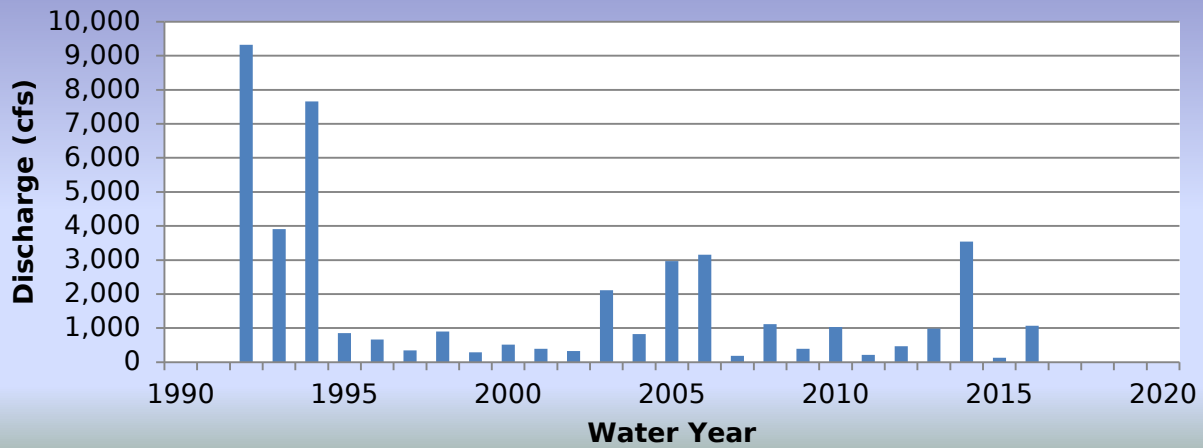
Site Data

LOCATION	About 1/4 mile south of Indian Bend Road
DRAINAGE AREA	88 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S11 T2N R4E
LATITUDE	N 33° 32' 04.0" +33.53444
LONGITUDE	W 111° 54' 51.1" -111.91422
STREAMGAGE INSTALLATION DATE	09/28/1983 - WY 1983
AVAILABLE PERIOD OF RECORD	03/27/1992 - Current
LENGTH OF AVAILABLE POR DATA	24.51 Years 8,954 Days
GAPS (> 2 DAYS) IN RECORD	09/28/1983 - 03/27/1992 07/07/1999 - 01/25/2000
STAGE GAGE ELEVATION	-0.15 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,267.18 feet Gage NAVD 1988
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



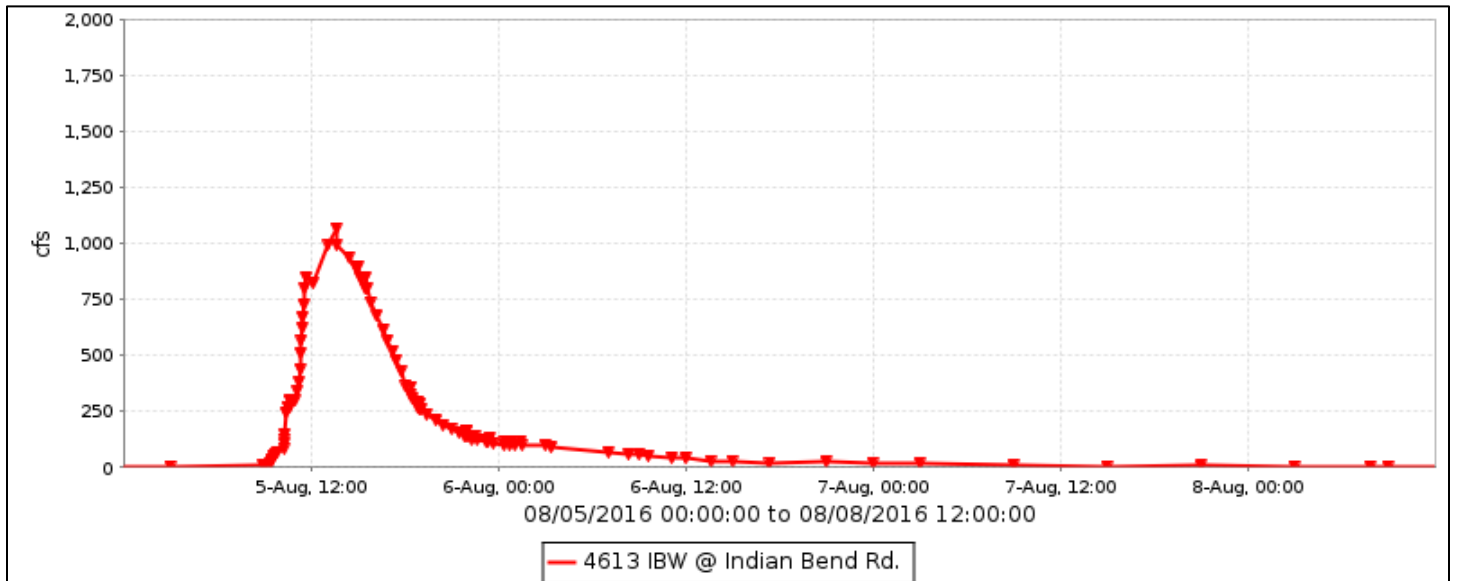
Indian Bend Wash near Indian Bend Road - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	0.65	25
01/06/2016	0.65	25
01/07/2016	1.85	180
08/02/2016	3.91	1,040
08/05/2016	3.94	1,064
08/09/2016	2.77	474

Hydrograph of peak WY 2016 flow event, 08/05/2016



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
909	2,470	4,240	6,700	11,300	16,200

Indian Bend Wash near Indian Bend Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											129	
3											36	
4											3	
5											280	
6				27							50	
7				95							8	
8				74							1	
9				28							54	
10				18								
11				12								
12				2							---	
13											---	
14										---	---	
15										---		
16										---		
17										---		
18												
19												
20	2											
21												
22												5
23										---		1
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	255	0	0	0	0	0	0	563	6
MEAN	0	0	0	8	0	0	0	0	0	0	18	0
MAX	25	0	0	180	1	0	0	0	0	0	1064	44
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	5	0	0	507	0	0	0	0	0	0	1116	12
WTR YR 2016	TOTAL		826	MEAN		2	MAX	1064	MIN	0	AC_FT	1639

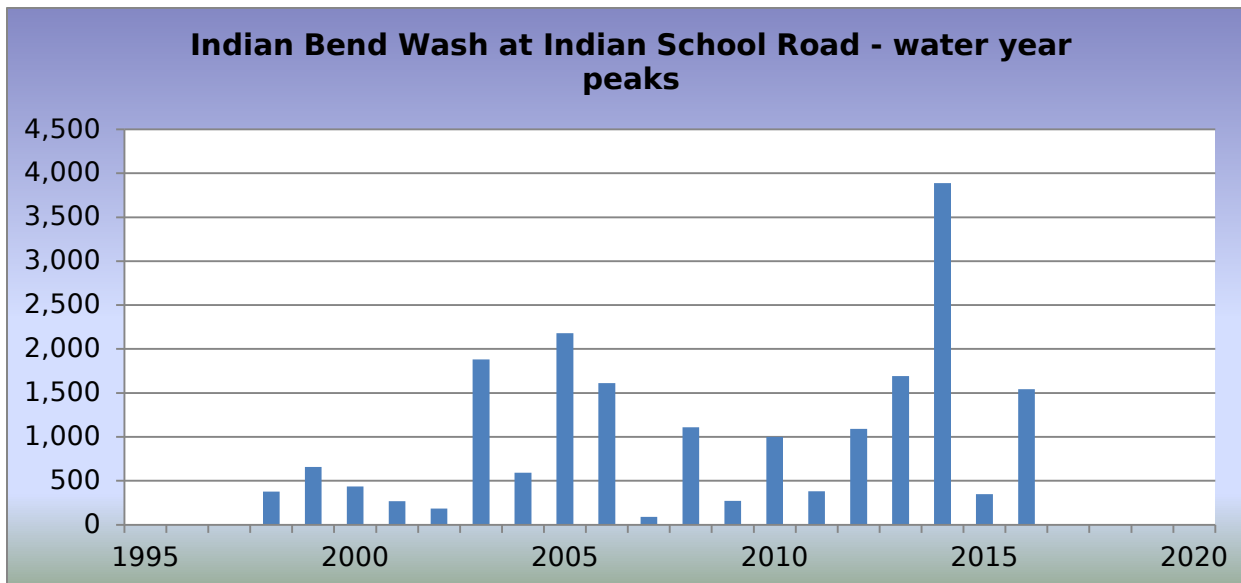
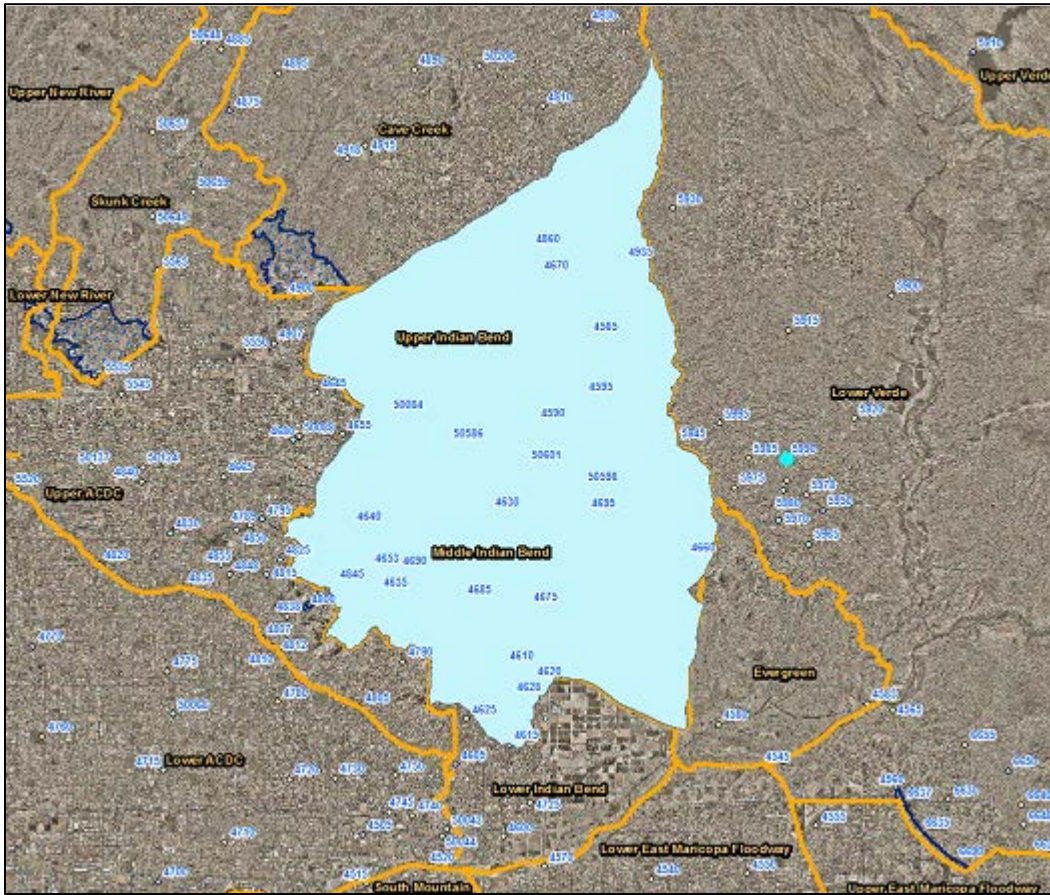
Indian Bend Wash at Indian School Road – ID #4618



Site Data

LOCATION	On Indian School Road west of Hayden Road
DRAINAGE AREA	90 mi ²
STREAM TYPE	Improved Natural Stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S23 T2N R4E
LATITUDE	N 33° 29' 42.2" +33.49505
LONGITUDE	W 111° 54' 40.5" -111.91126
STREAMGAGE INSTALLATION DATE	11/25/1997 - WY 1998
AVAILABLE PERIOD OF RECORD	11/25/1997 - Current
LENGTH OF AVAILABLE POR DATA	18.85 Years 6,885 Days
GAPS (> 2 DAYS) IN RECORD	11/30/2009 - 02/16/2010
STAGE GAGE ELEVATION	0.72 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,233.19 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,887 cfs 5.50 feet 09/08/2014

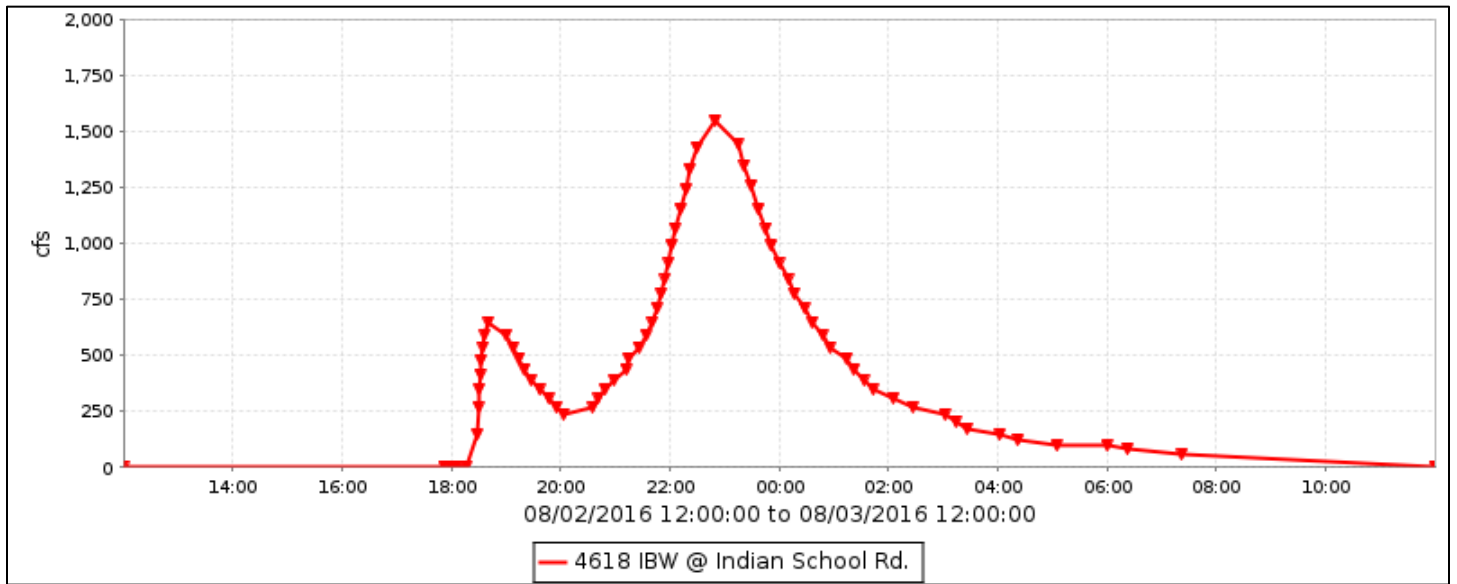
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/29/2016	1.79	336
08/02/2016	3.53	1,543
08/05/2016	3.31	1,327
08/09/2016	3.11	1,148
08/11/2016	1.64	277

Hydrograph of peak WY 2016 flow event, 08/02/2016



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
722	1,620	2,430	3,360	4,800	6,050

Indian Bend Wash at Indian School Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											173	
3											93	
4												
5											358	
6				47							96	
7				283								
8				291								
9				41							134	
10												
11											26	
12												
13												
14												
15												
16												
17												
18												
19												
20												
21											1	
22												
23												
24												
25												
26												
27												
28												
29										23		
30					---					29		
31		---			---		---		---			---
TOTAL	0	0	0	663	0	0	0	0	0	52	881	0
MEAN	0	0	0	21	0	0	0	0	0	2	28	0
MAX	0	0	0	553	0	0	0	0	0	336	1543	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	1314	0	0	0	0	0	103	1748	0
WTR YR 2016	TOTAL	1596	MEAN	4	MAX	1543	MIN	0	AC_FT	3165		

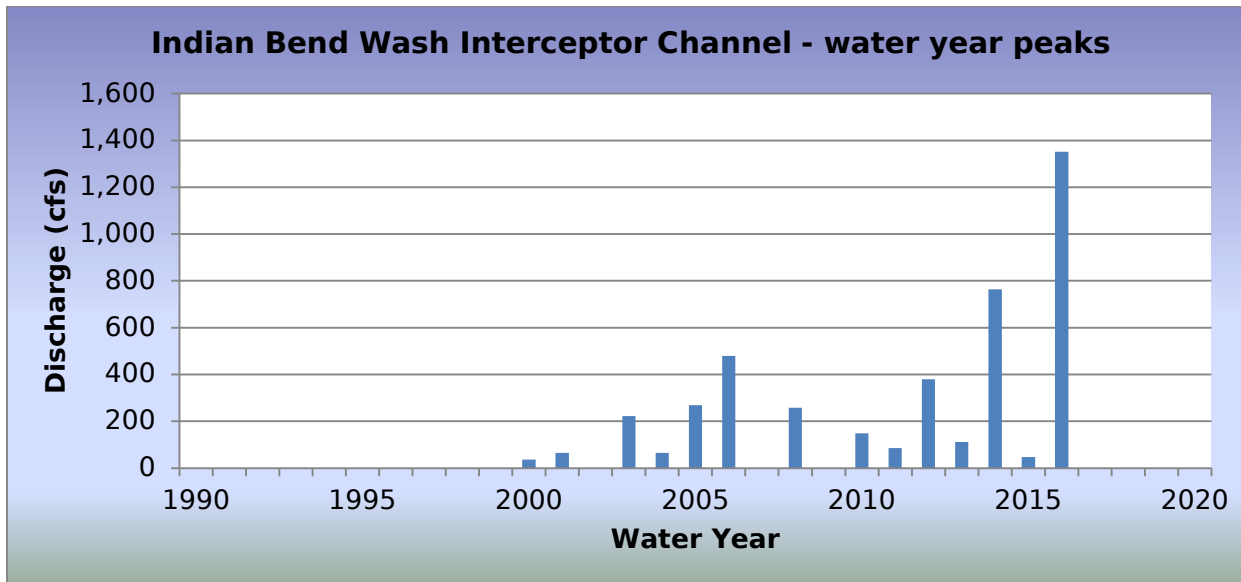
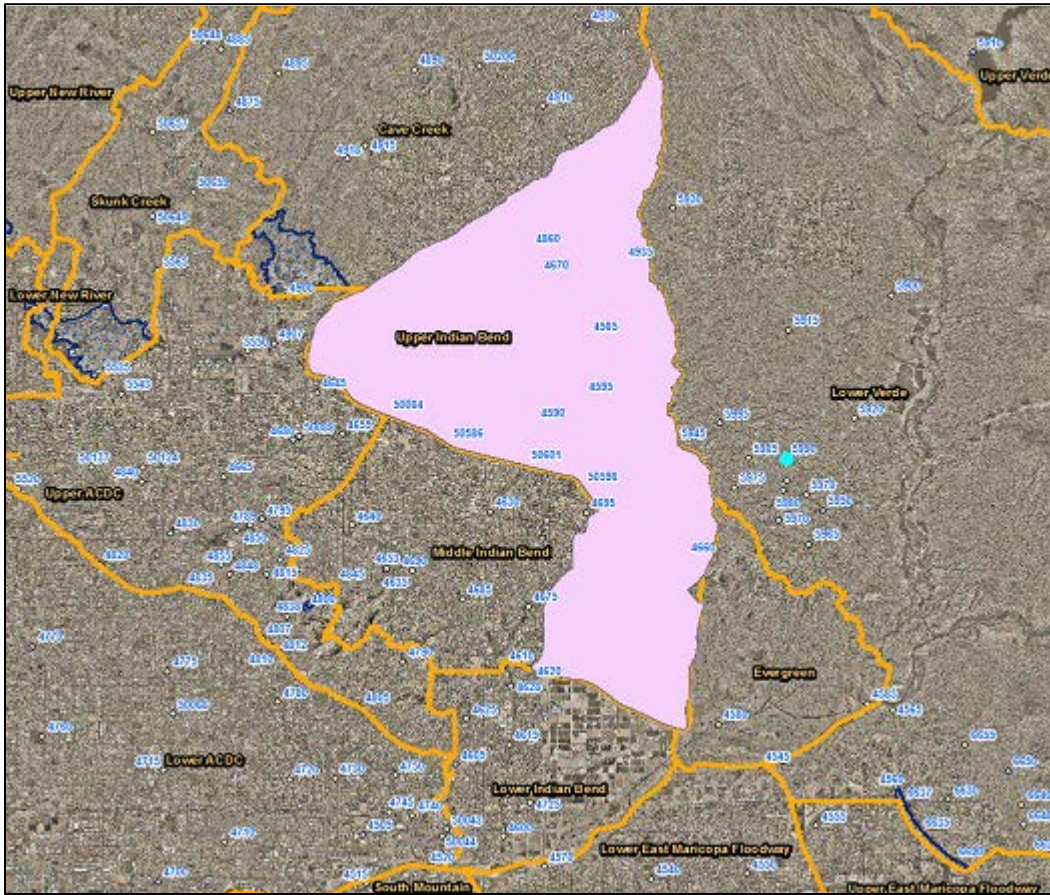
Indian Bend Wash Interceptor Channel – ID #4623



Site Data

LOCATION	Between Pima and Hayden Roads north of the Arizona Canal
DRAINAGE AREA	35 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S12 T2N R4E
LATITUDE	N 33° 31' 59.4" +33.53317
LONGITUDE	W 111° 53' 52.4" -111.89789
STREAMGAGE INSTALLATION DATE	04/21/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	04/21/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.45 Years 8,199 Days
GAPS (> 2 DAYS) IN RECORD	06/16/1999 - 01/11/2000
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,266.47 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,351 cfs 5.43 feet 08/02/2016

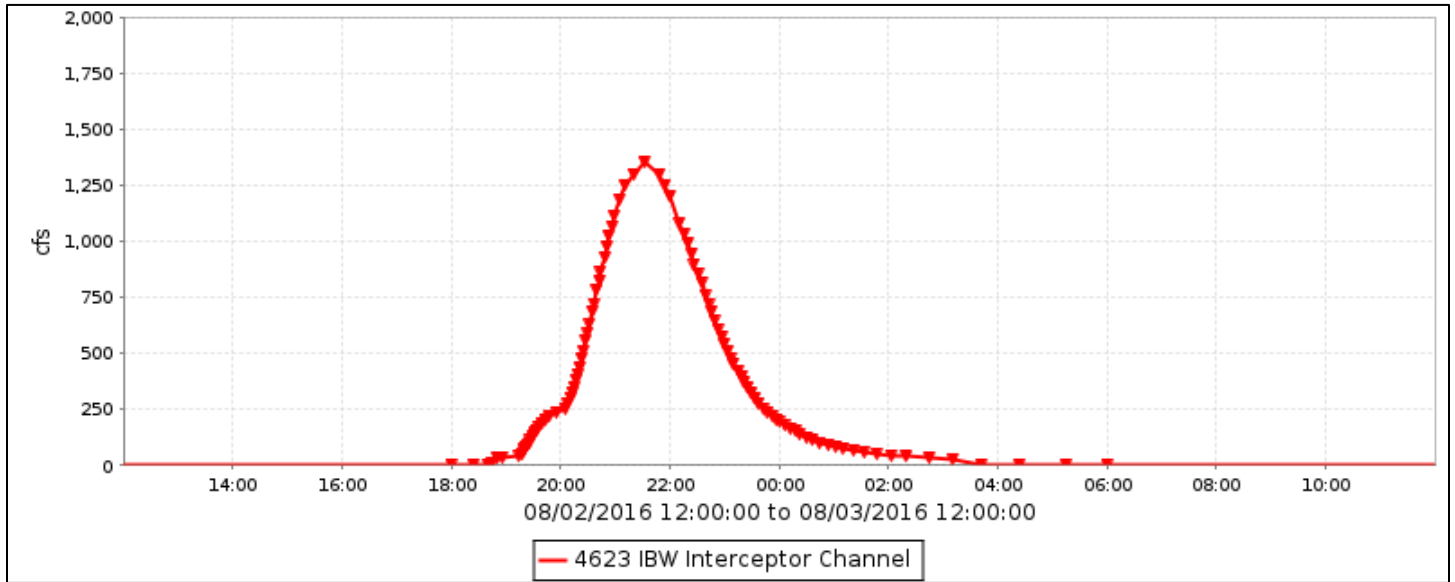
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/07/2016	0.42	28
01/07/2016	0.82	54
08/02/2016	5.43	1,351
08/05/2016	2.84	346

Hydrograph of peak WY 2016 flow event, 08/02/2016



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
42	240	577	1,170	2,580	4,310

Indian Bend Wash Interceptor Channel, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											135	
3											11	
4												
5											55	
6												---
7				10								
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	10	0	0	0	0	0	0	201	0
MEAN	0	0	0	0	0	0	0	0	0	0	6	0
MAX	0	0	0	54	0	0	0	0	0	0	1351	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	19	0	0	0	0	0	0	399	0
WTR YR 2016	TOTAL	211	MEAN	1	MAX	1351	MIN	0	AC_FT	418		

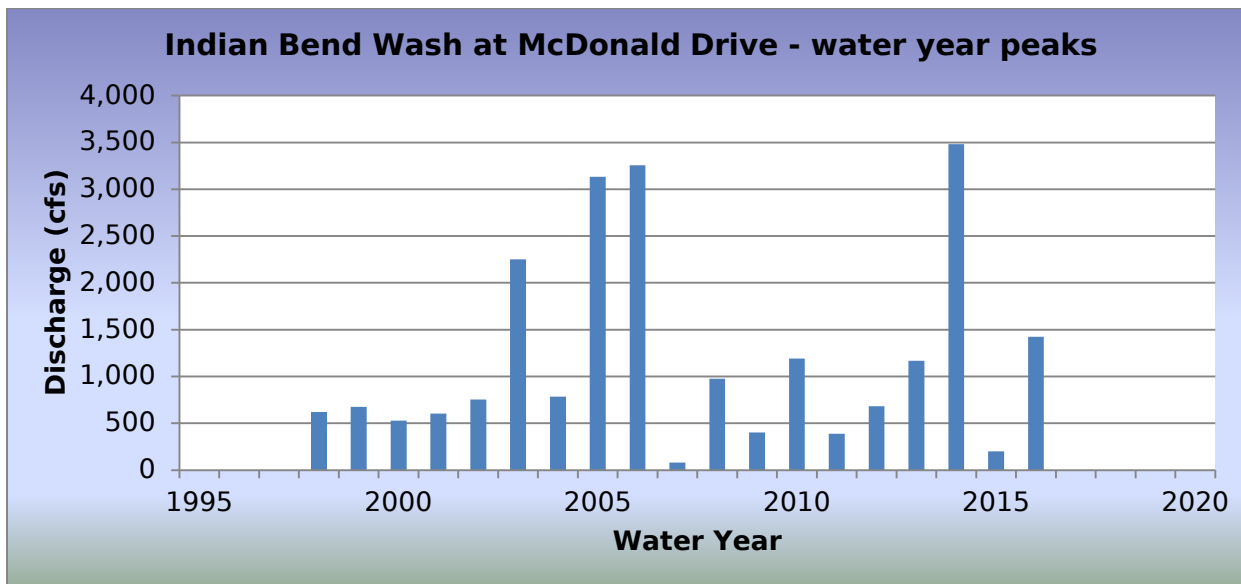
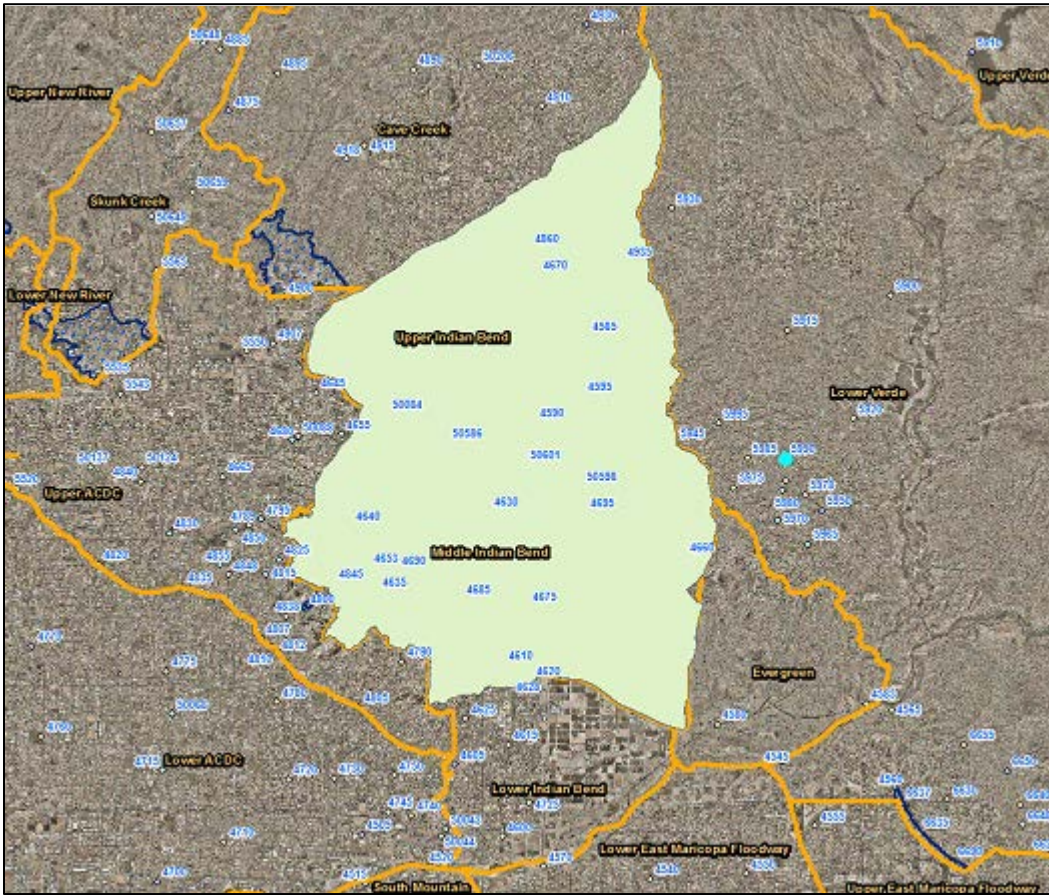
Indian Bend Wash at McDonald Drive – ID #4628



Site Data

LOCATION	On McDonald Drive west of Hayden Road
DRAINAGE AREA	88 mi ²
STREAM TYPE	Engineered Natural Stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S11 T2N R4E
LATITUDE	N 33° 31' 26.7" +33.52407
LONGITUDE	W 111° 54' 35.8" -111.90994
STREAMGAGE INSTALLATION DATE	11/24/1997 - WY 1998
AVAILABLE PERIOD OF RECORD	11/24/1997 - Current
LENGTH OF AVAILABLE POR DATA DATA	18.85 Years 6,886 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	-1.90 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,261.90 feet NAVD 1988
POINT OF ZERO FLOW	-1.9 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,482 cfs 4.03 feet 09/08/2014

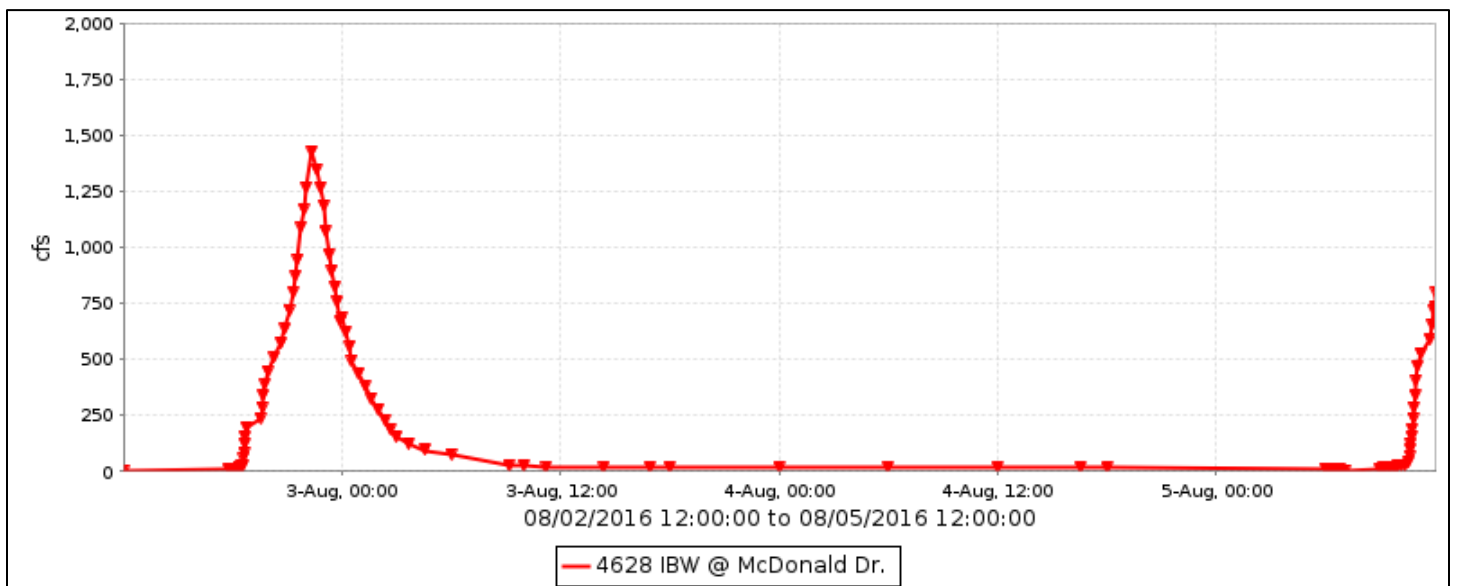
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/06/2016	-0.15	110
01/07/2016	0.28	271
07/29/2016	-1.14	11
08/02/2016	1.97	1,425
08/05/2016	1.55	1,090
08/09/2016	1.52	1,067
08/11/2016	-0.32	67

Hydrograph of peak WY 2016 flow event, 08/02/2016



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
879	1,790	2,600	3,570	5,120	6,510

Indian Bend Wash at McDonald Drive, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											165	
3											82	
4											13	
5											344	
6				34							106	---
7				146							16	
8				128							10	
9				19							130	
10				14							9	
11				12							17	
12				2							12	
13											8	
14												
15												
16												
17												
18												
19												
20	1											
21												
22												
23												
24												
25												
26												
27												
28												
29										1		
30					---					3		
31		---			---		---		---			---
TOTAL	2	4	0	356	0	0	0	0	0	4	912	0
MEAN	0	0	0	11	0	0	0	0	0	0	29	0
MAX	5	1	0	271	0	0	3	1	0	11	1425	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	3	9	0	707	0	0	0	0	0	9	1809	0
WTR YR 2016	TOTAL	1279	MEAN	3	MAX	1425	MIN	0	AC_FT	2537		

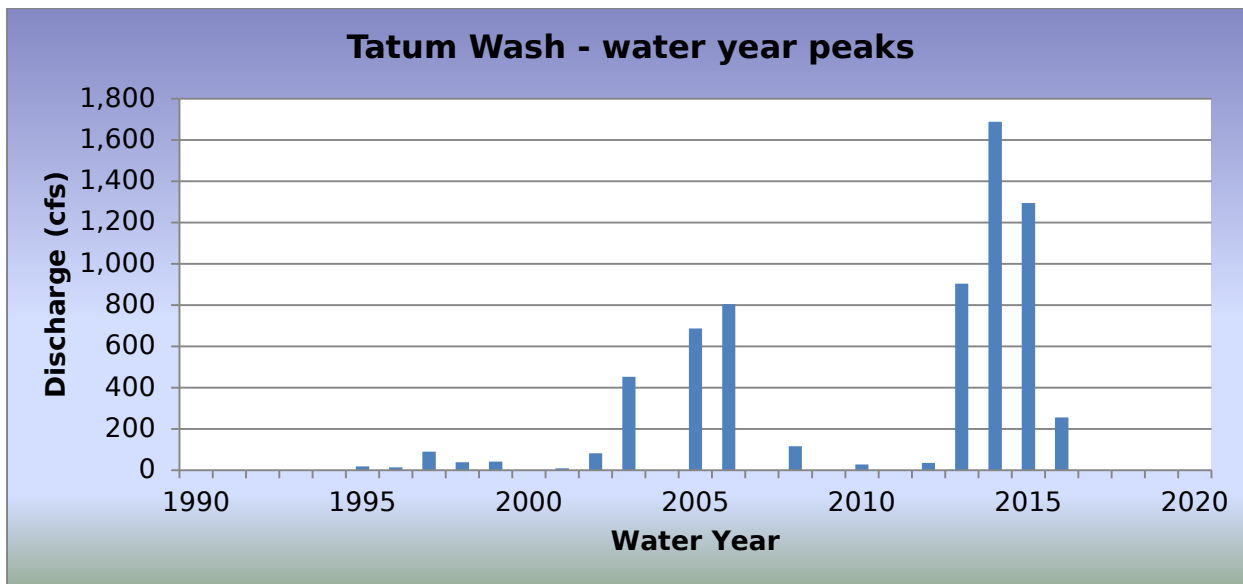
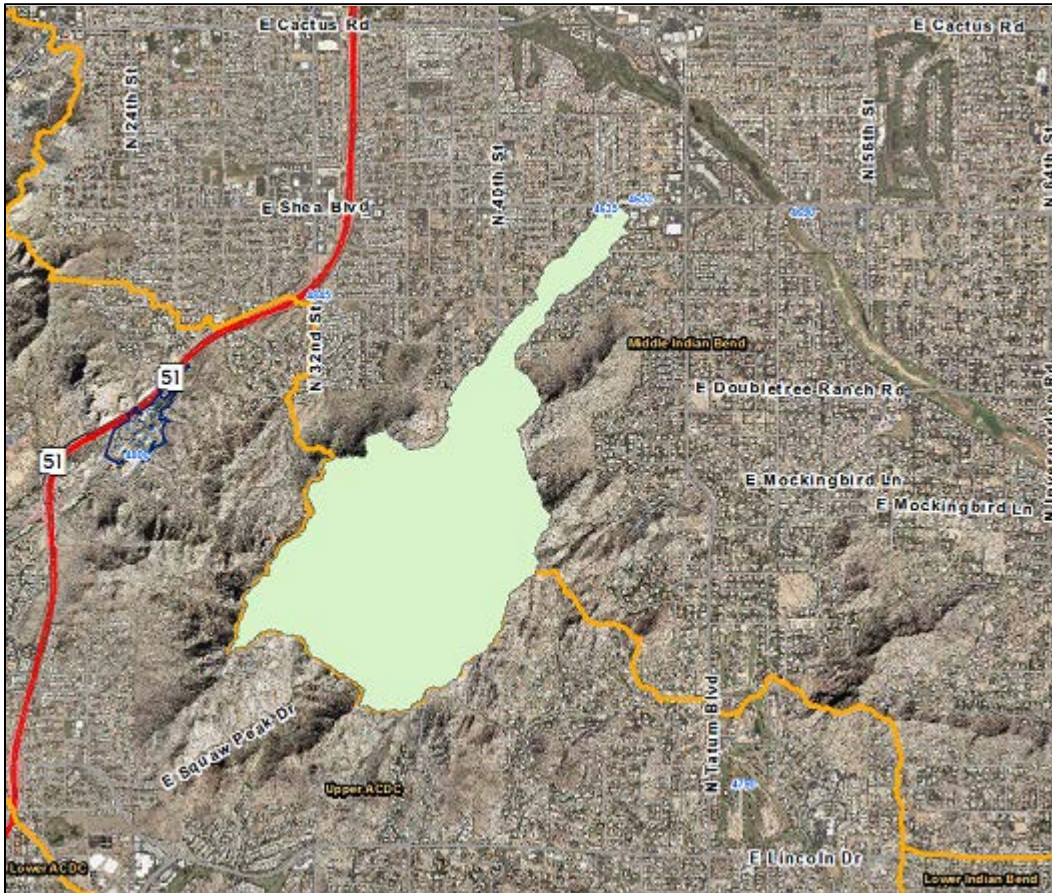
Tatum Wash - ID #4638



Site Data

LOCATION	Located near Shea Boulevard and 44th Street
DRAINAGE AREA	2.17 mi ²
STREAM TYPE	Engineered Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Middle Indian Bend
SECTION/TOWNSHIP/RANGE	S30 T3N R4E
LATITUDE	N 33° 34' 54.1" +33.58169
LONGITUDE	W 111° 59' 04.3" -111.98453
STREAMGAGE INSTALLATION DATE	06/03/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	06/03/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	22.33 Years 8,156 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,688 cfs 3.68 feet 09/08/2014

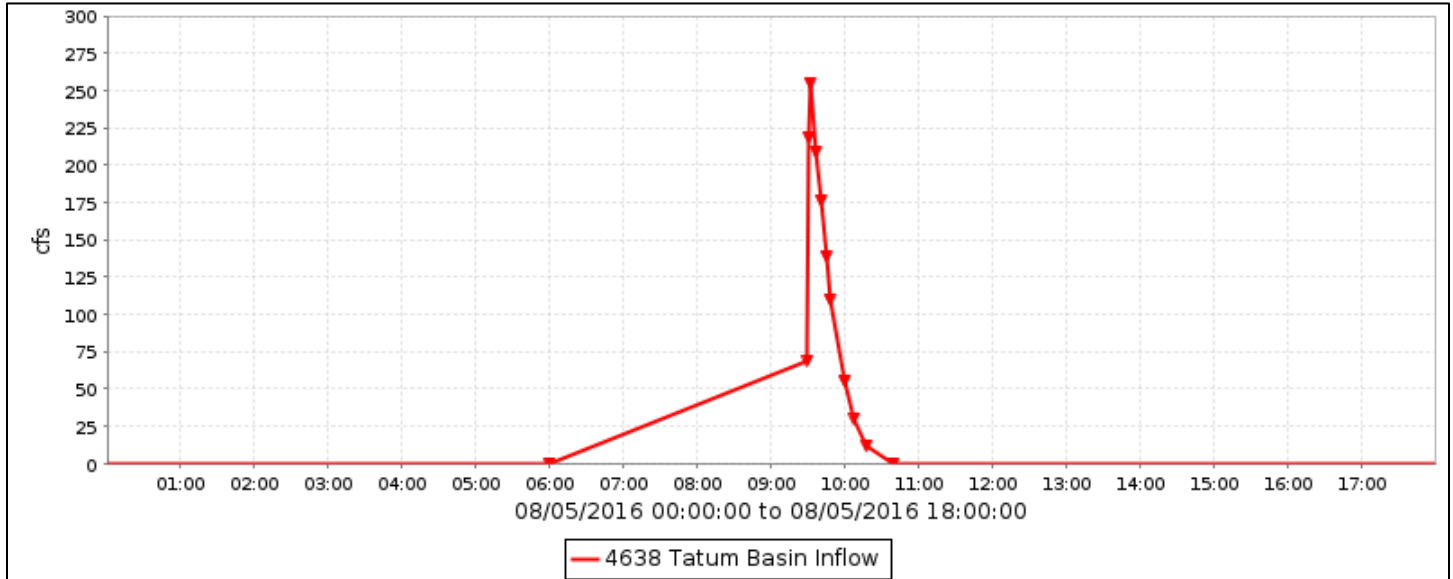
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/18/2015	0.85	176
08/05/2016	1.08	255

Hydrograph of peak WY 2016 flow event, 08/05/2016



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
47	356	945	2,030	4,590	7,710

Tatum Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											4	
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18	2									---		
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	0	0	0	0	0	0	4	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	176	0	0	0	0	0	0	0	0	0	255	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	5	0	0	0	0	0	0	0	0	0	8	0
WTR YR 2016	TOTAL		6	MEAN	0	MAX	255	MIN	0	AC_FT	13	

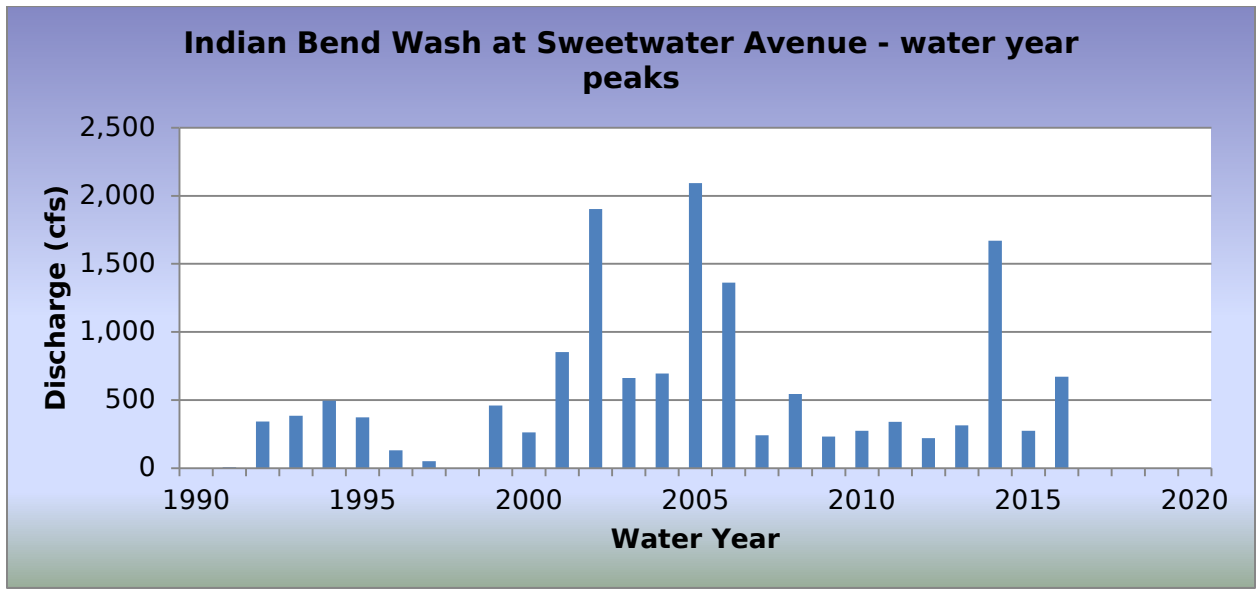
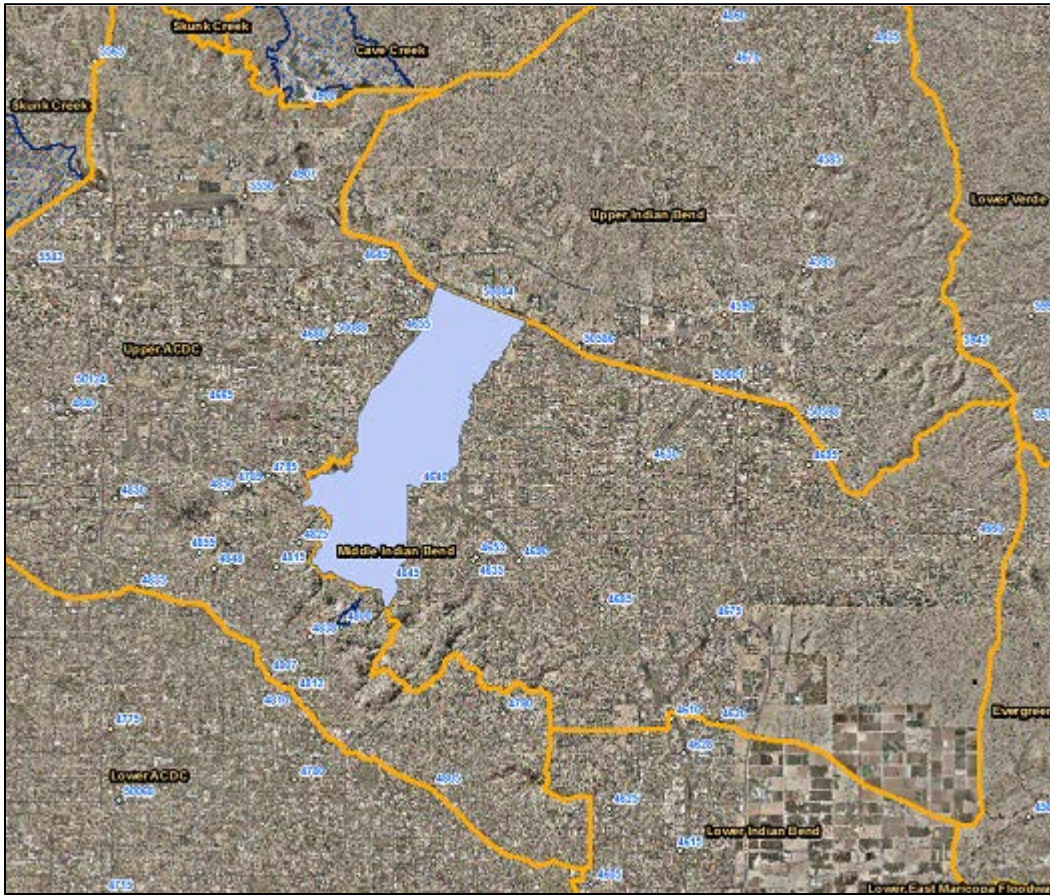
Indian Bend Wash at Sweetwater Avenue – ID #4643



Site Data

LOCATION	Near 36th Street and Sweetwater Ave
DRAINAGE AREA	11.7 mi ²
STREAM TYPE	Channelized Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Middle Indian Bend
SECTION/TOWNSHIP/RANGE	S13 T3N R3E
LATITUDE	N 33° 36' 13.3" +33.60369
LONGITUDE	W 112° 00' 16.0" -112.00445
STREAMGAGE INSTALLATION DATE	12/27/1990 - WY 1991
AVAILABLE PERIOD OF RECORD	03/27/1992 - Current
LENGTH OF AVAILABLE POR DATA DATA	24.51 Years 8,954 Days
GAPS (> 2 DAYS) IN RECORD	04/27/1997 - 11/22/1998
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,387.633 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,093 cfs 4.90 feet 08/02/2005

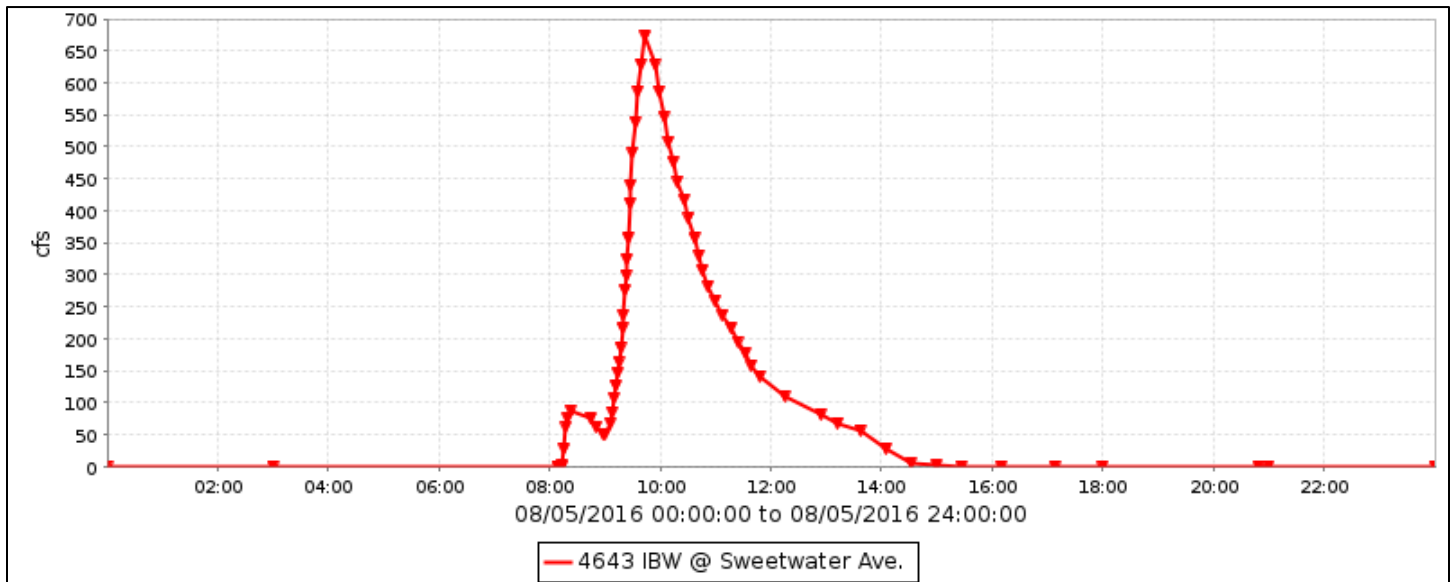
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/18/2015	1.25	109
01/04/2016	1.12	90
01/06/2016	1.40	131
01/07/2016	1.20	101
02/01/2016	0.90	61
04/08/2016	1.00	73
04/10/2016	1.45	139
08/05/2016	3.38	672
08/11/2016	1.06	81
08/23/2016	1.06	81
08/27/2016	0.96	68

Hydrograph of peak WY 2016 flow event, 08/05/2016



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
418	872	1,270	1,720	2,420	3,030
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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					5							
2												
3												
4				9								
5											53	
6				18								
7				13								
8							5					
9												
10							8					
11											4	
12												
13												
14												
15												
16												
17												
18	13											
19												
20												
21												
22												
23											10	
24												
25												
26												
27											3	
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	13	0	0	40	5	0	13	0	0	0	69	0
MEAN	0	0	0	1	0	0	0	0	0	0	2	0
MAX	109	1	0	131	61	0	139	0	0	0	672	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	26	0	0	80	9	0	27	0	0	0	137	0
WTR YR 2016	TOTAL	140	MEAN	0	MAX	672	MIN	0	AC_FT	278		

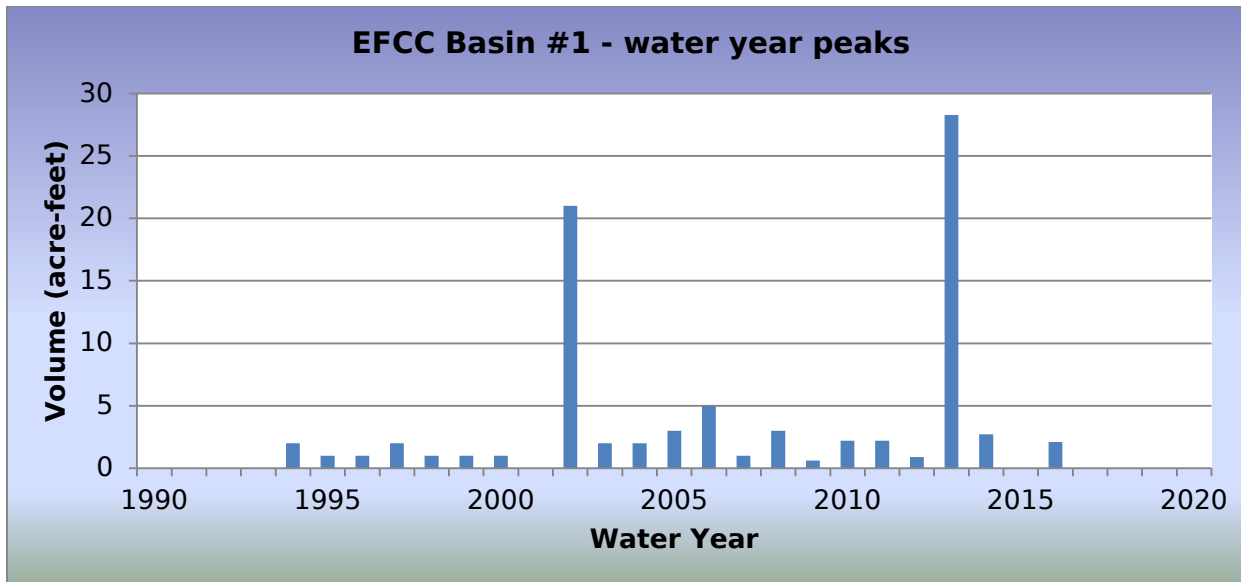
East Fork Cave Creek Basin #1, ID #4648



Site Data

LOCATION	On Beardsley Road east of Cave Creek Road
DRAINAGE AREA	1.18 mi ²
STREAM TYPE	Flood control basin on natural stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S26 T4N R3E
LATITUDE	N 33° 40' 11.3" +33.66981
LONGITUDE	W 112° 01' 31.3" -112.02536
STREAMGAGE INSTALLATION DATE	03/02/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	03/02/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	22.58 Years 8,249 Days
GAPS (> 2 DAYS) IN RECORD	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

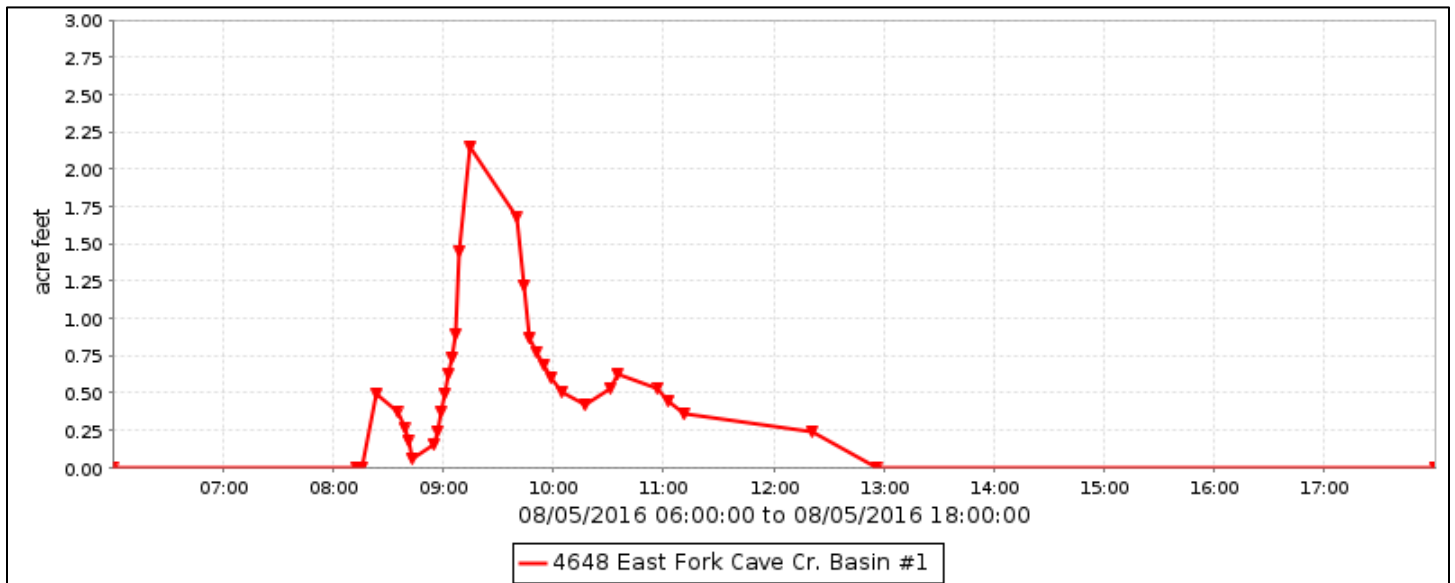
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/18/2015	0.80	0.5	1.0
10/20/2015	0.56	0.3	0.6
01/06/2016	0.53	0.3	0.5
08/05/2016	1.47	2.1	3.7

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



East Fork Cave Creek Basin #1, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3					1							
4					1							
5					1						1	
6				1	1							
7	1				1							
8	1				1							
9					1							
10					1				---			
11					1				---			
12	1				1							
13					1							
14					1							
15					1							
16					1				---			
17					1							
18	1				1							
19					1							
20	1				1							
21					1							
22					1							
23					1							
24					1							
25					1							
26					1							
27					1							
28					1							
29												
30					---							
31		---			---		---		---			---
TOTAL	16	14	15	15	25	9	4	12	0	0	1	0
MEAN	1	0	0	0	1	0	0	0	0	0	0	0
MAX	8	0	0	3	2	0	0	0	0	0	19	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	32	29	30	30	49	19	7	24	1	0	3	0
WTR YR 2016	TOTAL	112	MEAN	0	MAX	19	MIN	0	AC_FT	222		

East Fork Cave Creek Basin #1, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10									---			
11									---			
12												
13												
14												
15												
16									---			
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	1	0	0	0	0	0	0	0	0	0	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	2	MIN	0					

East Fork Cave Creek Basin #1, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.3	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	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	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	0.8	0.2	0.2	0.5	0.3	0.2	0.2	0.2	0.2	0.2	1.5	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 2016	MEAN	0.23	MAX	1.47	MIN	0.23						

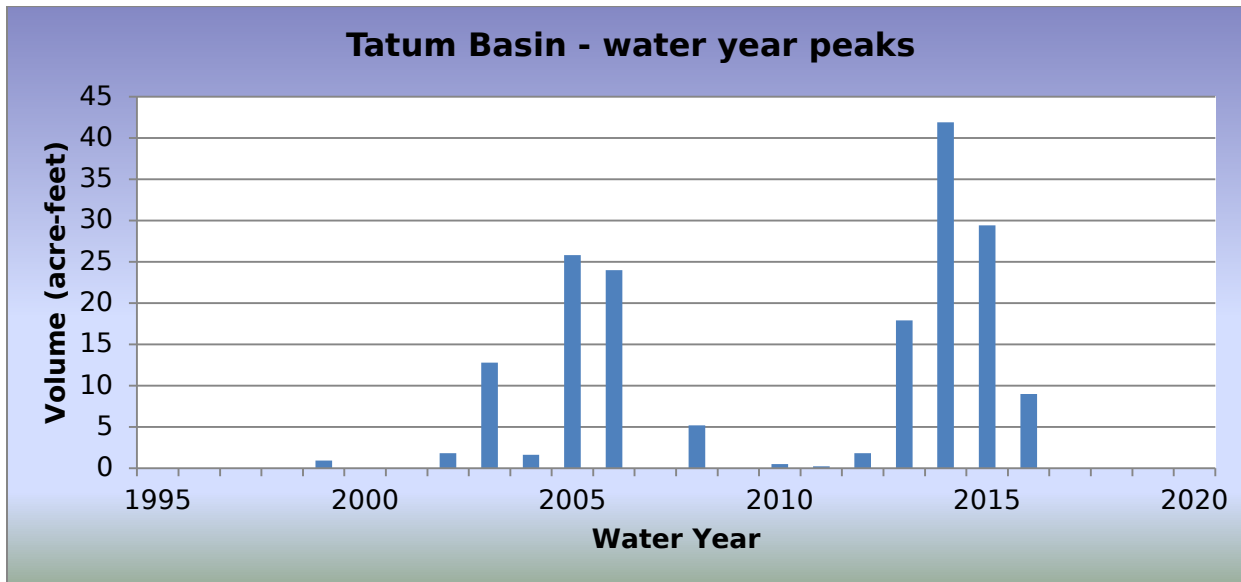
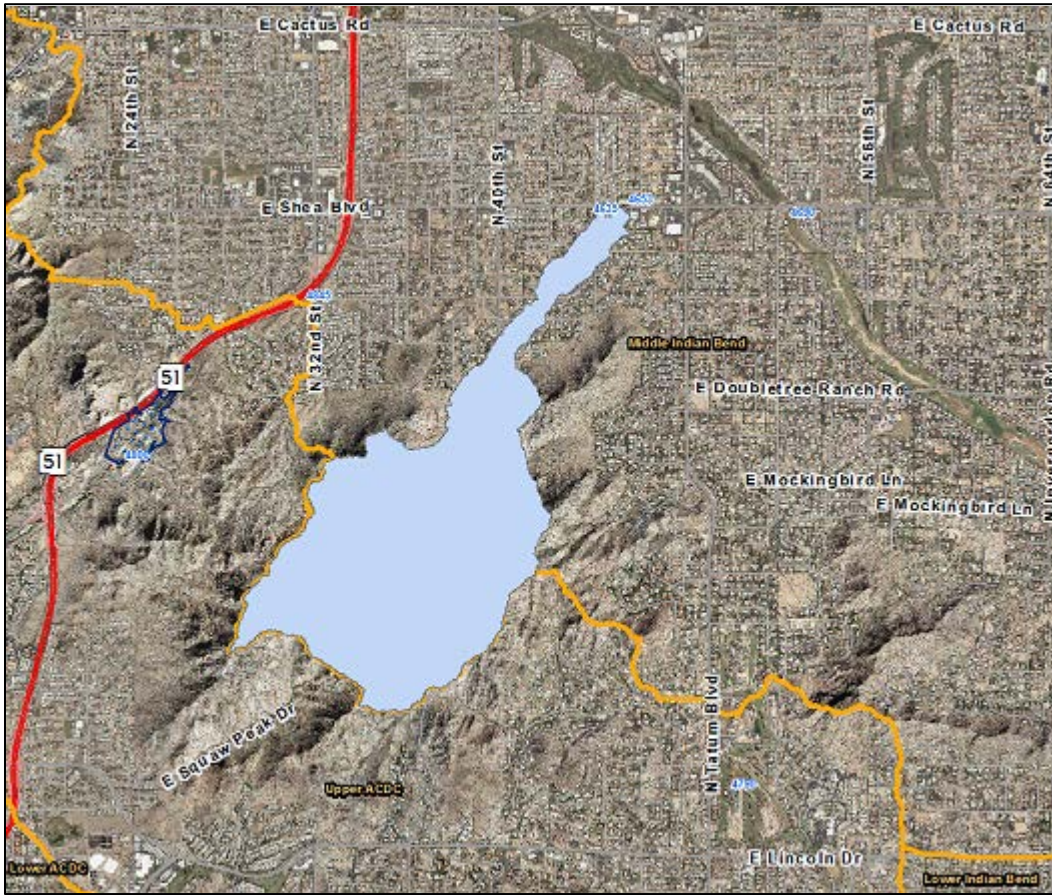
Tatum Wash Basin - ID #4653



Site Data

LOCATION	Located near Shea Boulevard and 44th Street
DRAINAGE AREA	2.17 mi ²
STREAM TYPE	Flood control basin on natural stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Middle Indian Bend
SECTION/TOWNSHIP/RANGE	S30 T3N R4E
LATITUDE	N 33° 34' 56.8" +33.58245
LONGITUDE	W 111° 59' 01.5" -111.98376
STREAMGAGE INSTALLATION DATE	05/08/1998 - WY 1998
AVAILABLE PERIOD OF RECORD	05/08/1998 - Current
LENGTH OF AVAILABLE POR DATA DATA	18.40 Years 6,721 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.05 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,380.60 feet M.S.L.
PZF (LOWER FLAP-GATE)	0.4 feet Gage Height
PZF (UPPER FLAP-GATE)	4.4 feet Gage Height
PZF (UNCONTROLLED INLET TOWER)	11.6 feet Gage Height
SPILLWAY CREST ELEVATION	11.8 feet Gage Height
TOP OF BASIN ELEVATION	13.4 feet Gage Height

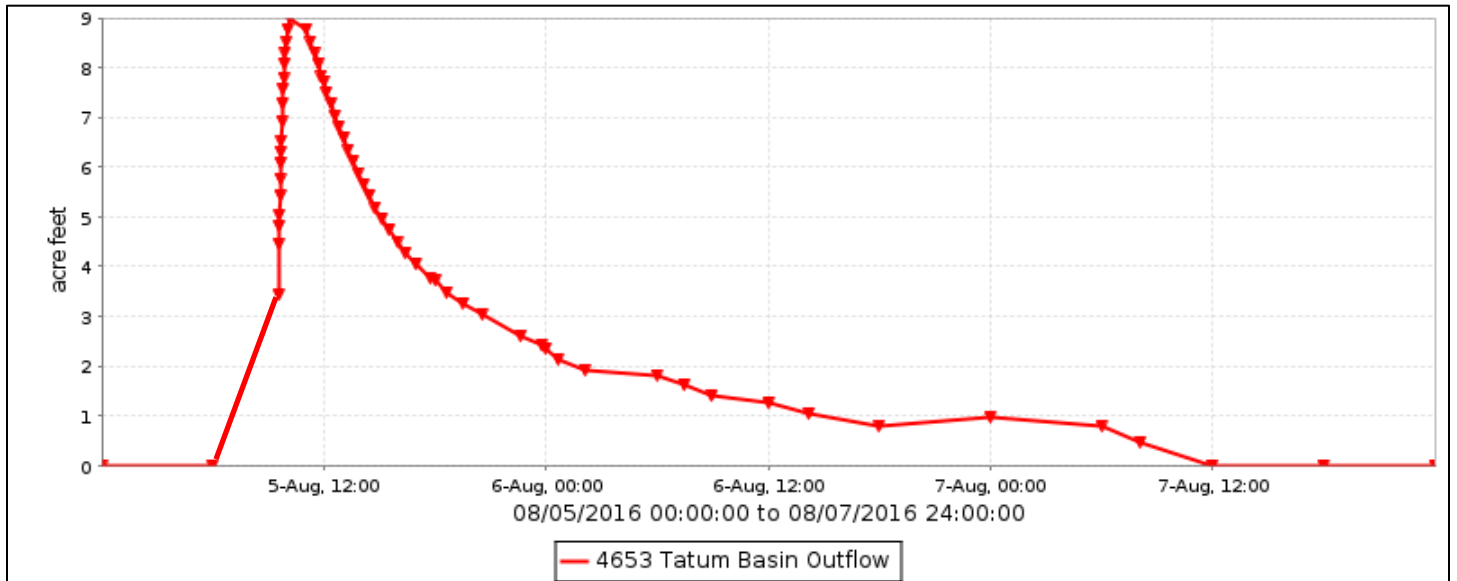
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/18/2015	2.65	6.0	18.4
01/07/2016	1.32	2.9	9.2
08/05/2016	3.96	9.0	27.6

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Tatum Wash Basin, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											4	
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18	2											
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	0	0	0	0	0	0	4	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	17	0	0	0	0	0	0	0	0	0	24	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	4	0	0	0	0	0	0	0	0	0	9	0
WTR YR 2016	TOTAL		7	MEAN	0	MAX	24	MIN	0	AC_FT	13	

Tatum Wash Basin, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											3	
6				1							1	
7				2								
8				1								
9				1								
10												
11												
12												
13												
14												
15												
16												
17												
18	1											
19	3											
20	2											
21	1											
22	1											
23	1											
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	6	0	0	3	0	0	0	0	0	0	9	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	9	MIN	0					

Tatum Wash Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.2	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	1.3	0.1
6	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.1
7	0.1	0.1	0.1	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
8	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	2.6	0.1	0.1	1.3	0.1	0.1	0.1	0.1	0.1	0.1	4.0	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 2016	MEAN	0.07	MAX	3.96	MIN	0.05						

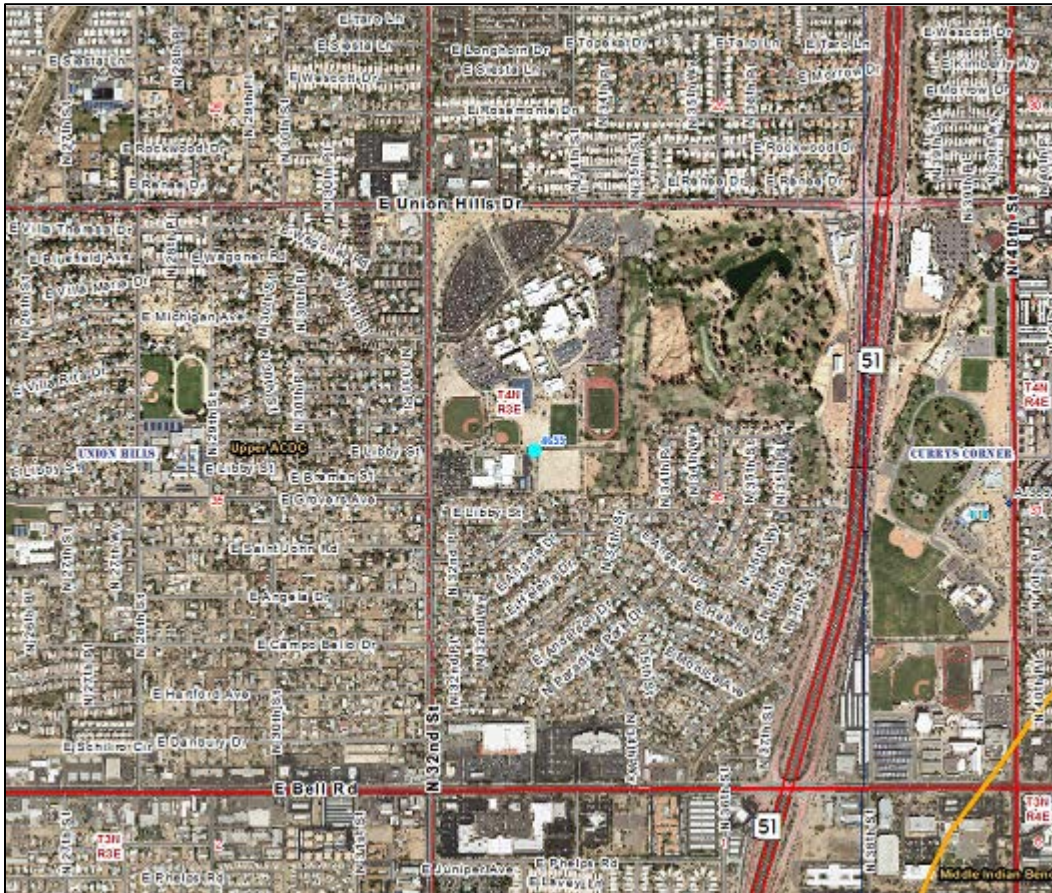
East Fork Cave Creek Basin #4 – ID #4658



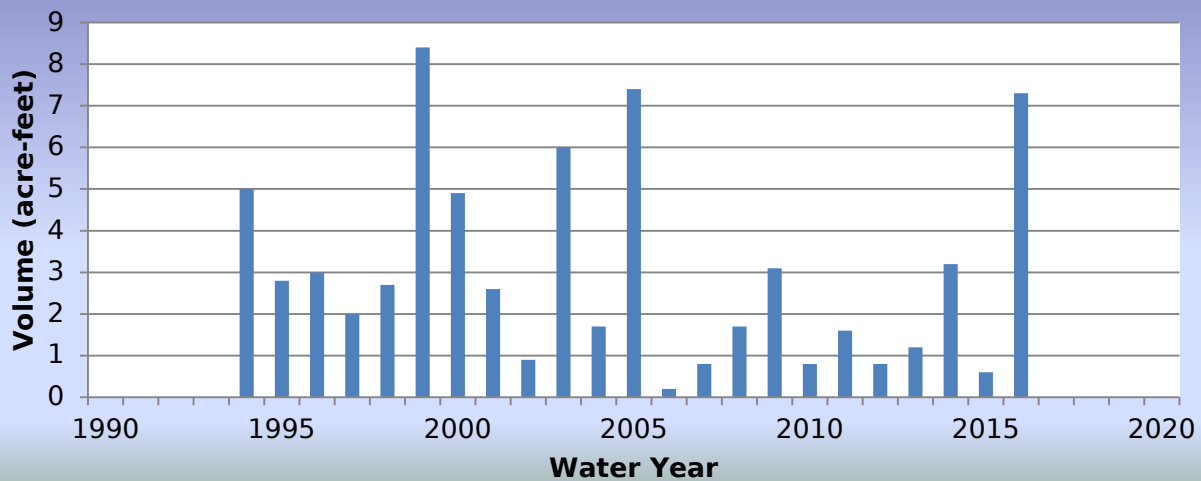
Site Data

LOCATION	Near Paradise Valley Community College
DRAINAGE AREA	0.68 mi ²
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S36 T4N R3E
LATITUDE	N 33° 38' 56.5" +33.64904
LONGITUDE	W 112° 00' 37.5" -112.01041
STREAMGAGE INSTALLATION DATE	01/18/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	01/18/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	22.70 Years 8,292 Days
GAPS (> 2 DAYS) IN RECORD	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)



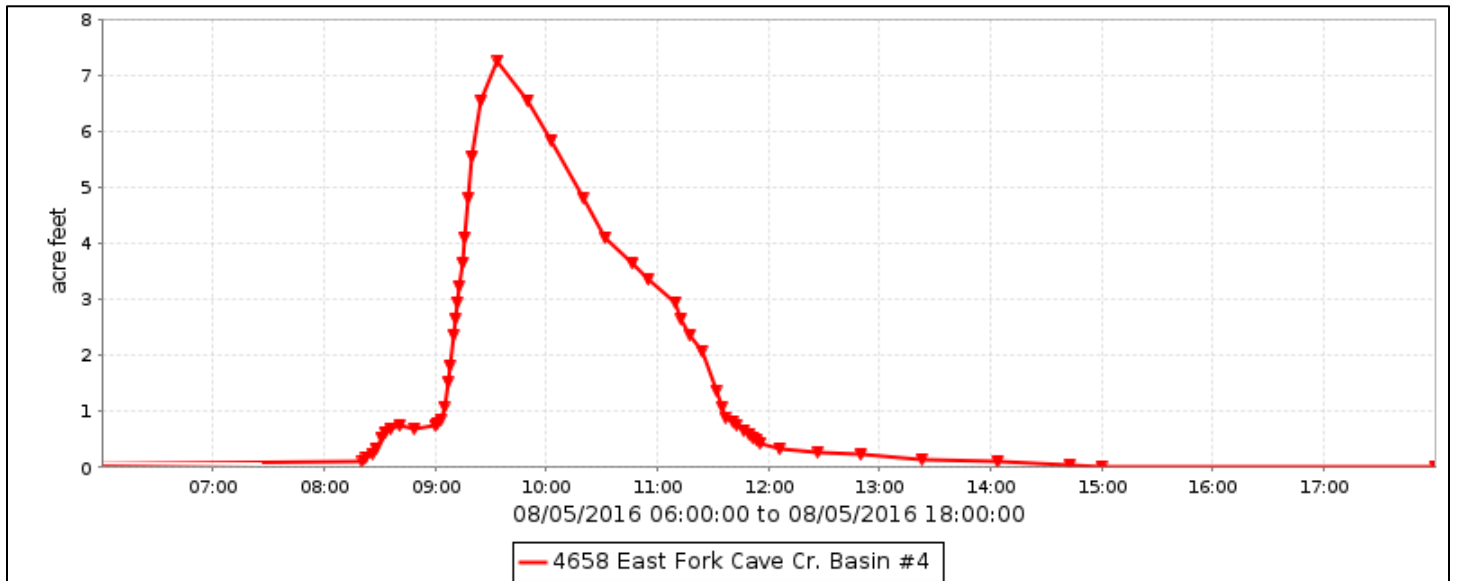
EFCC Basin #4 - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/04/2015	0.75	0.2	0.4
10/06/2015	0.70	0.2	0.3
10/18/2015	2.15	1.3	1.9
01/06/2016	1.65	0.7	1.1
01/07/2016	1.60	0.7	1.1
04/08/2016	0.90	0.3	0.5
04/10/2016	2.25	1.6	2.2
07/31/2016	1.23	0.5	0.7
08/02/2016	0.84	0.3	0.4
08/05/2016	3.48	7.3	9.8
08/23/2016	0.74	0.2	0.2
08/27/2016	0.84	0.3	0.4

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



East Fork Cave Creek Basin #4, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5											6				
6															
7															
8															
9															
10							1								
11															
12										---					
13															
14															
15															
16															
17															
18	1														
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30					---										
31		---			---		---		---			---			
TOTAL	1	0	0	0	0	0	1	0	0	0	6	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	31	0	0	8	0	0	33	0	0	1	65	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	1	0	0	1	0	0	3	0	0	0	12	0			
WTR YR 2016	TOTAL		8	MEAN		0	MAX		65	MIN		0	AC_FT		16

East Fork Cave Creek Basin #4, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											1	
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		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	1	0	0	1	0	0	2	0	0	0	7	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	0	MAX	7	MIN	0						

East Fork Cave Creek Basin #4, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	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	0.7	0.3
6	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.3	0.4	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	0.5	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
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	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	2.1	0.3	0.3	1.6	0.3	0.3	2.2	0.3	0.3	1.2	3.5	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 2016	MEAN	0.30	MAX	3.48	MIN	0.30						

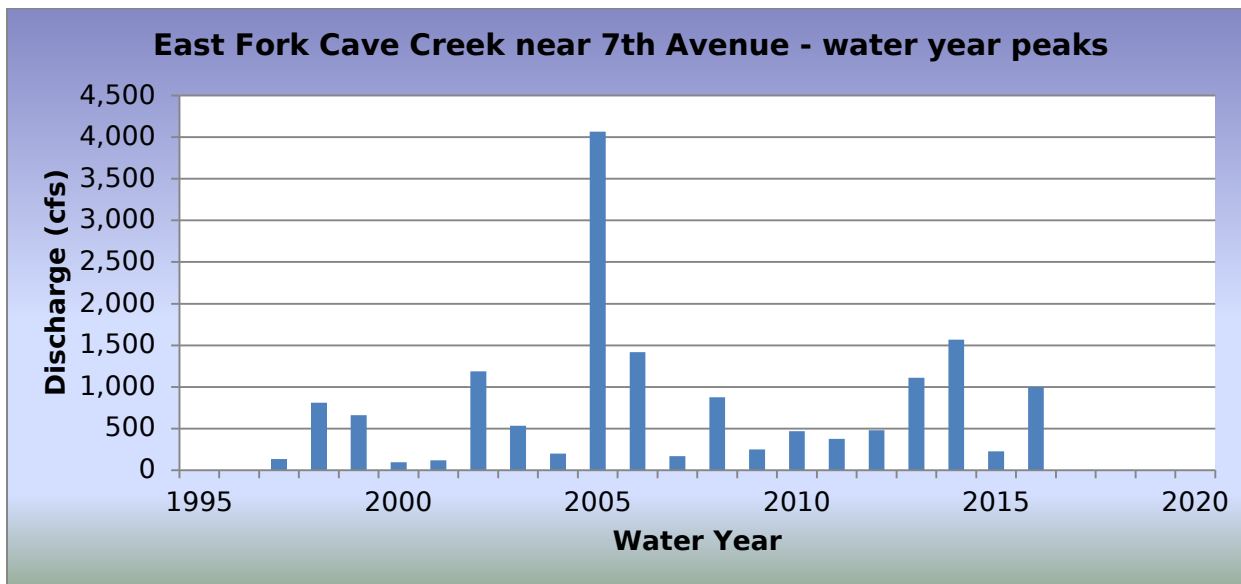
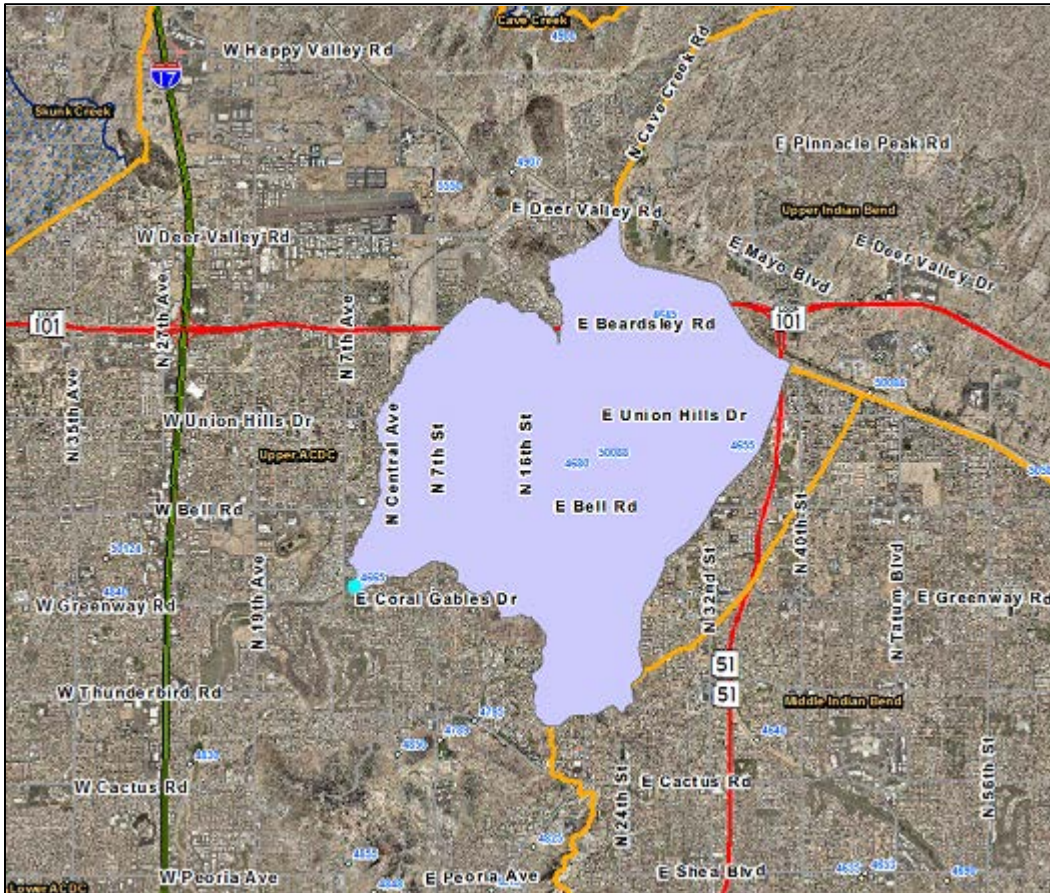
East Fork Cave Creek near 7th Avenue, ID #4668



Site Data

LOCATION	In Moon Valley Park, near Coral Gable Drive and 7th Avenue
DRAINAGE AREA	14.1 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S05 T3N R3E
LATITUDE	N 33° 37' 40.6" +33.62793
LONGITUDE	W 112° 04' 50.7" -112.08076
STREAMGAGE INSTALLATION DATE	05/08/1997 - WY 1997
AVAILABLE PERIOD OF RECORD	05/08/1997 - Current
LENGTH OF AVAILABLE POR DATA DATA	19.40 Years 7,086 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	-0.25 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,341.79 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	4,067 cfs 7.55 feet 08/02/2005

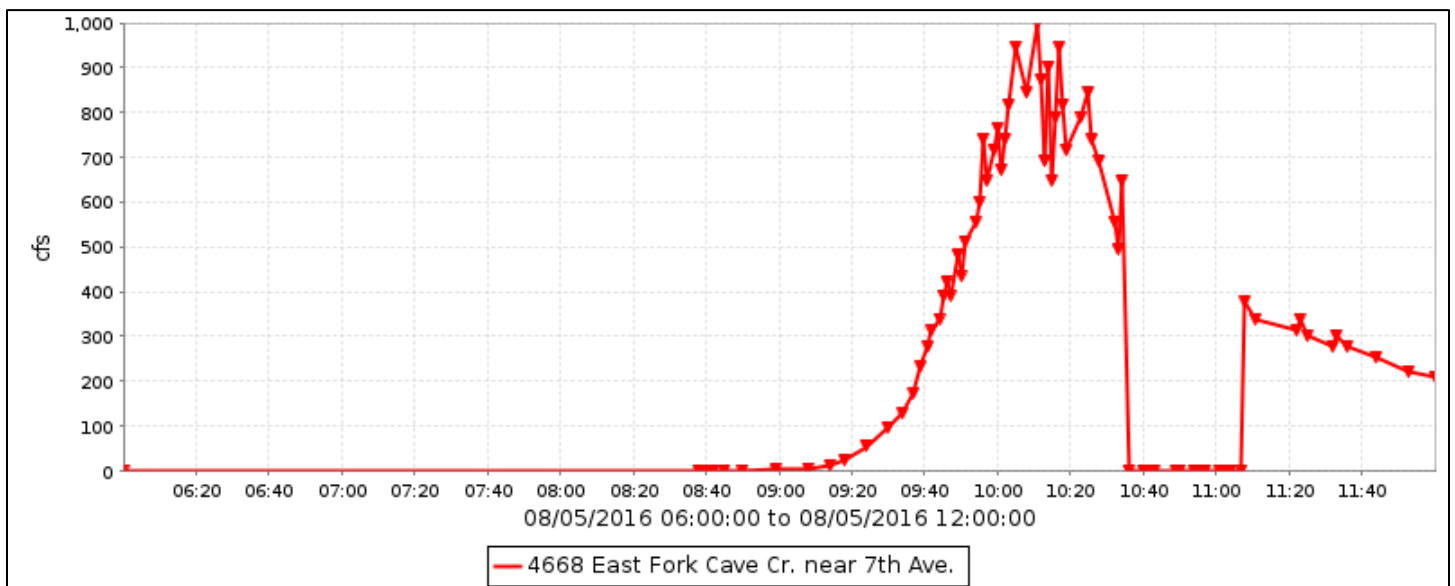
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/18/2015	0.95	23
01/06/2016	1.70	215
01/07/2016	1.40	141
04/08/2016	1.20	100
04/10/2016	1.90	259
08/05/2016	3.78	1,000
08/05/2016	2.22	339

Hydrograph of peak WY 2016 flow event, 08/05/2016



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
492	1,150	1,780	2,560	3,860	5,070
FEMA FIS					
		5,500		8,200	9,400

East Fork Cave Creek near 7th Avenue, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4													
5											45		
6				26									
7				20									
8							9						
9													
10							18						
11													
12													
13													
14													
15													
16													
17													
18	1												
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31		---			---		---		---			---	
TOTAL	1	0	0	46	0	0	28	0	0	0	45	0	
MEAN	0	0	0	1	0	0	1	0	0	0	1	0	
MAX	23	1	0	215	0	0	259	0	0	0	1000	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	3	0	0	91	0	0	55	0	0	0	90	0	
WTR YR 2016	TOTAL		120	MEAN		0	MAX	1000	MIN		0	AC_FT	239

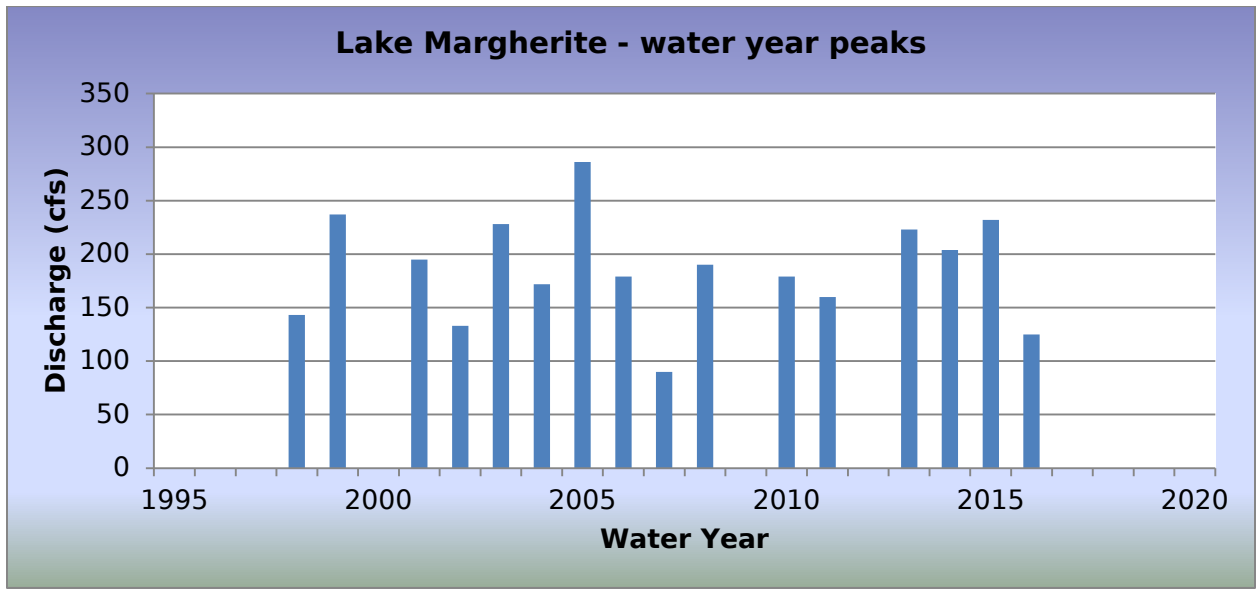
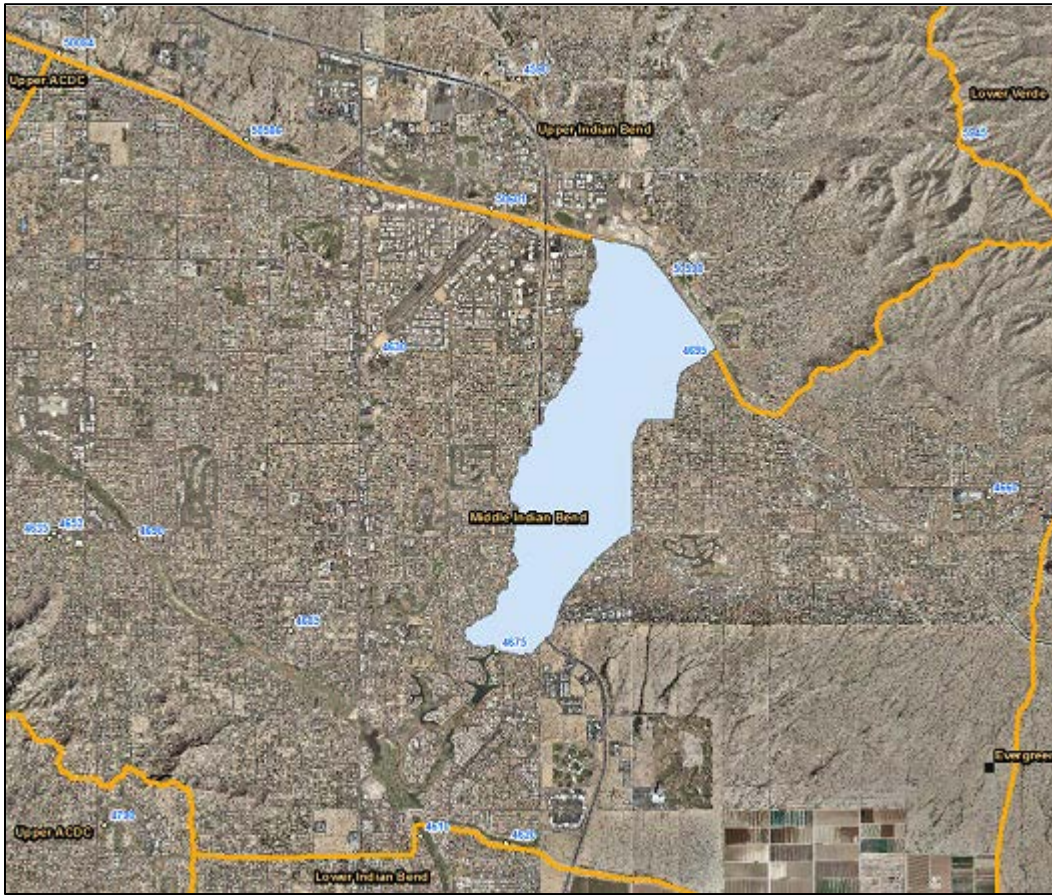
Lake Margherite - ID #4678



Site Data

LOCATION	On Hayden Road about 1/4 mile south of Via Linda
DRAINAGE AREA	4.91 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S36 T3N R4E
LATITUDE	N 33° 33' 49.2" +33.56367
LONGITUDE	W 111° 53' 59.0" -111.89972
STREAMGAGE INSTALLATION DATE	11/24/1997 - WY 1998
AVAILABLE PERIOD OF RECORD	11/24/1997 - Current
LENGTH OF AVAILABLE POR DATA DATA	18.85 Years 6,886 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.80 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,320.65 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	286 cfs 2.03 feet 08/02/2005

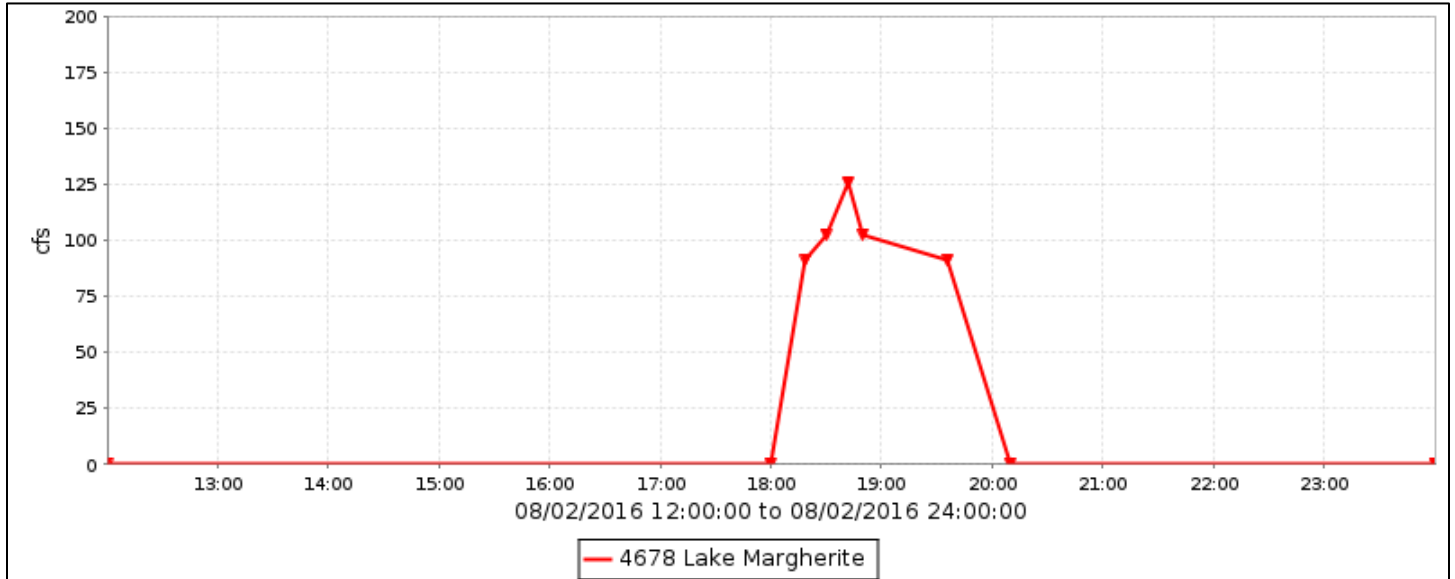
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/02/2016	1.11	125

Hydrograph of peak WY 2016 flow event, 08/02/2016



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
112	359	605	894	1,330	1,690

Lake Margherite, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2											8				
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	8	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	0	0	0	0	0	0	0	0	0	0	125	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 2016	TOTAL		8	MEAN		0	MAX		125	MIN		0	AC_FT		15

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



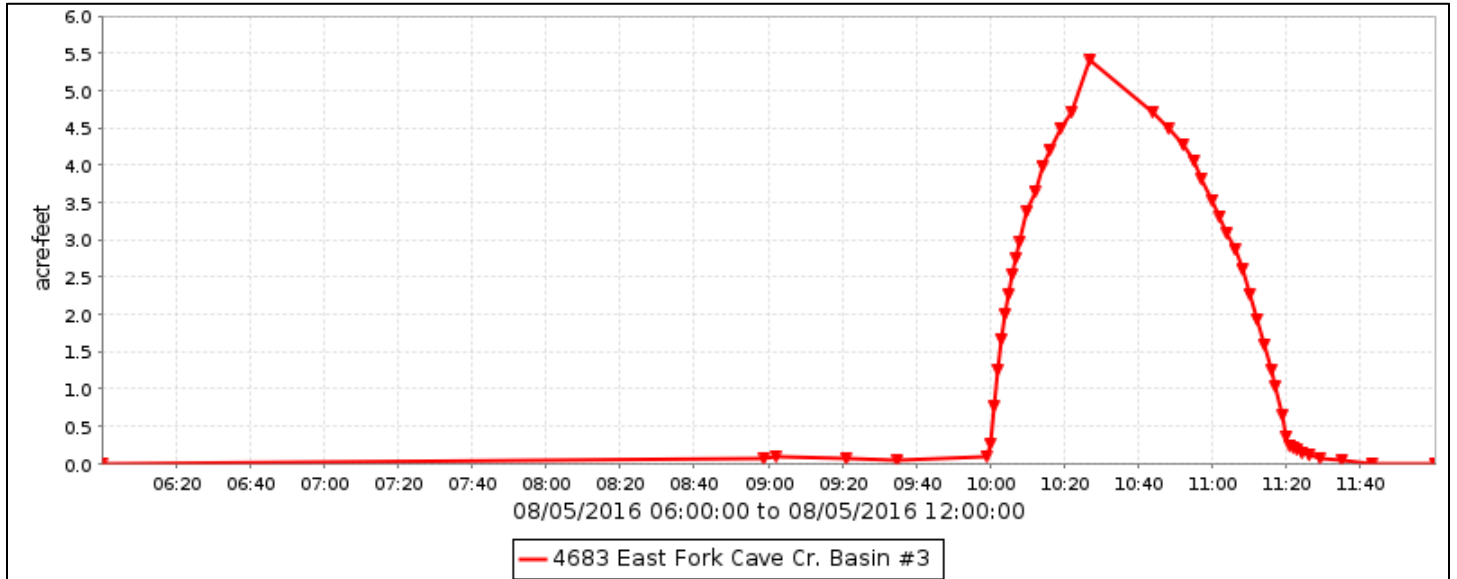
Site Data

LOCATION	Near 20th Street and Grovers Avenue
DRAINAGE AREA	3.52 mi ²
STREAM TYPE	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	09/13/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	22.05 Years 8,054 Days
GAPS (> 2 DAYS) IN RECORD	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

2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/05/2016	3.09	5.4	3.3

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



East Fork Cave Creek Basin #3B, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											14	
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	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	288	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	29	0
WTR YR 2016	TOTAL	14	MEAN	0	MAX	288	MIN	0	AC_FT	29		

East Fork Cave Creek Basin #3B, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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												
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23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	5	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	5	MIN	0					

East Fork Cave Creek Basin #3B, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.3	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	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	3.1	0.1
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
WTR YR 2016	MEAN	0.15	MAX	3.09	MIN	0.15						

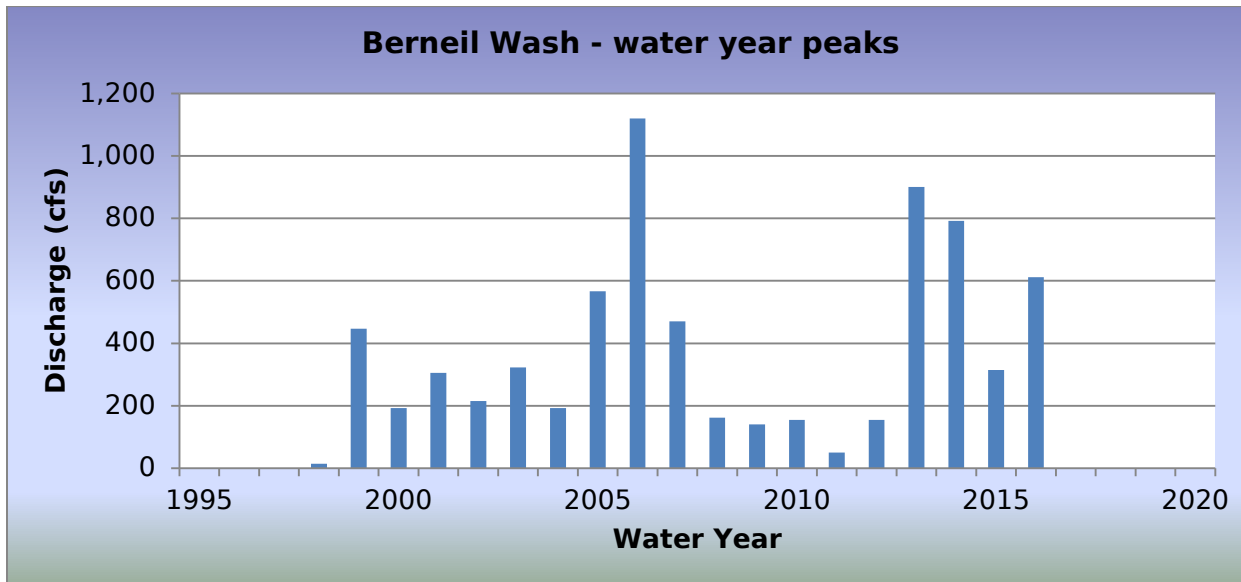
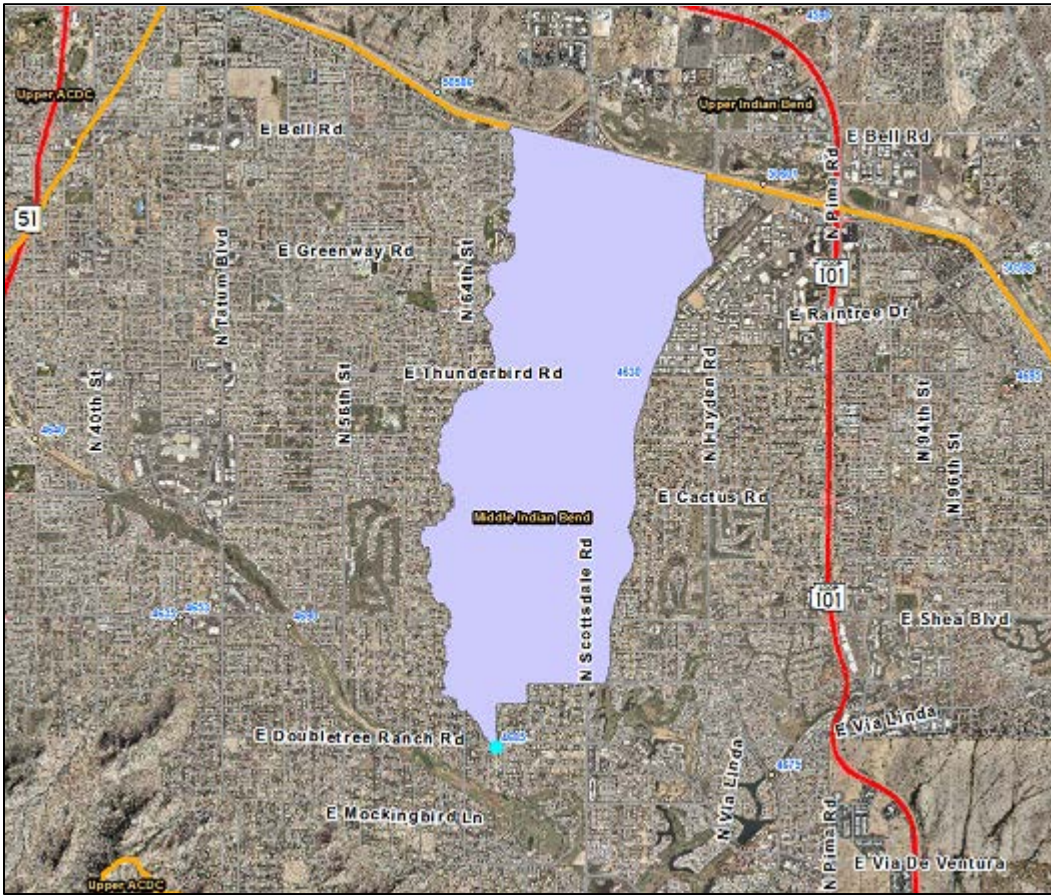
Berneil Wash, ID #4688



Site Data

LOCATION	Near 66th Street and Doubletree Road
DRAINAGE AREA	8.3 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Paradise Valley, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S34 T3N R4E
LATITUDE	N 33° 33' 58.5" +33.56626
LONGITUDE	W 111° 56' 19.6" -111.93878
STREAMGAGE INSTALLATION DATE	07/30/1998 - WY 1998
AVAILABLE PERIOD OF RECORD	07/30/1998 - Current
LENGTH OF AVAILABLE POR DATA	18.17 Years 6,638 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,314.64 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,120 cfs 2.88 feet 08/24/2006

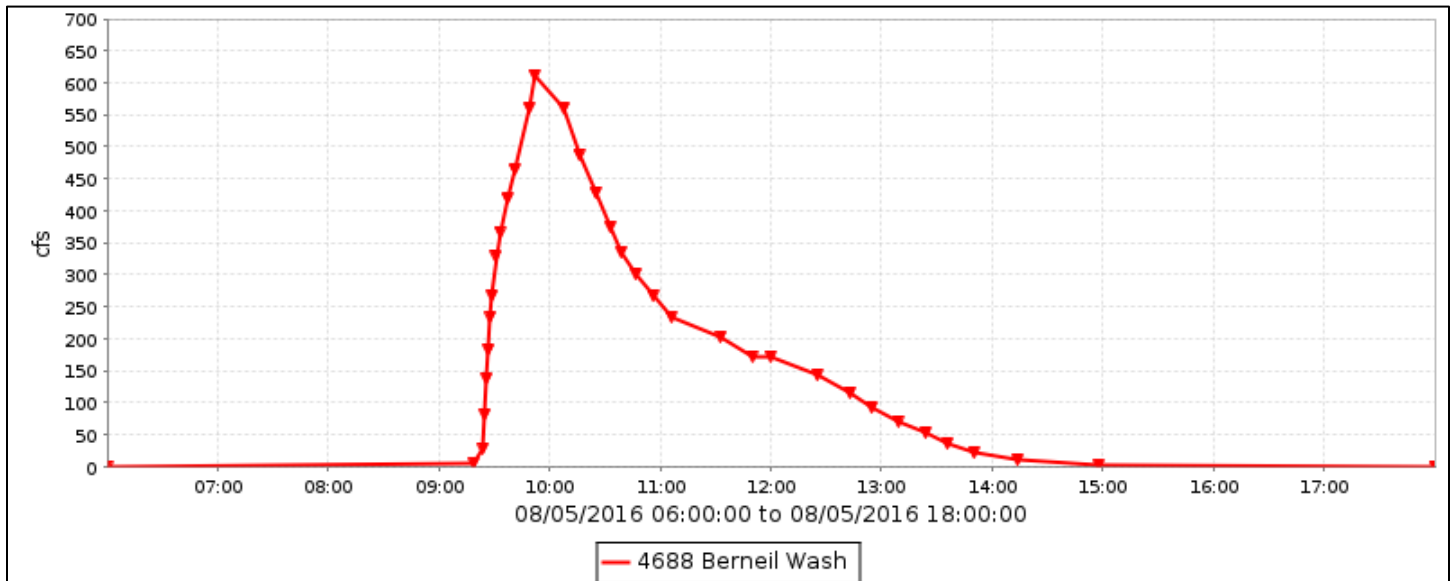
Watershed Map



Berneil Wash, 2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	0.62	84
01/04/2016	0.48	55
01/06/2016	0.70	100
01/07/2016	0.90	154
02/01/2016	0.75	113
06/30/2016	0.59	77
08/02/2016	1.61	396
08/05/2016	2.06	612
08/11/2016	0.55	69

Hydrograph of peak WY 2016 flow event, 08/02/2016



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
299	573	792	1,020	1,360	1,630

Berneil Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					7							
2											15	
3												
4				4								
5				3							47	
6				16								
7				28								
8				1								
9												
10												
11											4	
12												
13												
14												
15												
16												
17												
18	2											
19												
20	5											
21												
22												
23											1	
24												
25												
26												
27												
28												
29												
30					---				4			
31		---		1	---		---		---			---
TOTAL	7	0	0	53	7	0	0	0	4	0	66	0
MEAN	0	0	0	2	0	0	0	0	0	0	2	0
MAX	84	0	0	154	113	0	0	0	77	0	612	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	14	0	0	105	14	0	0	0	9	0	131	0
WTR YR 2016	TOTAL		137	MEAN		0	MAX	612	MIN	0	AC_FT	272

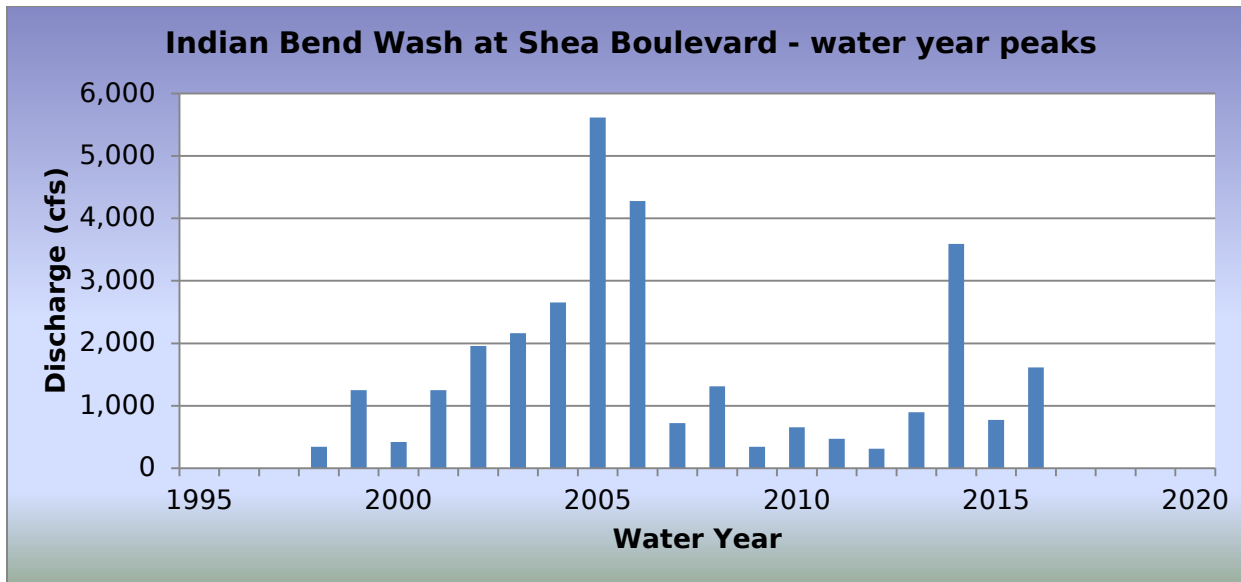
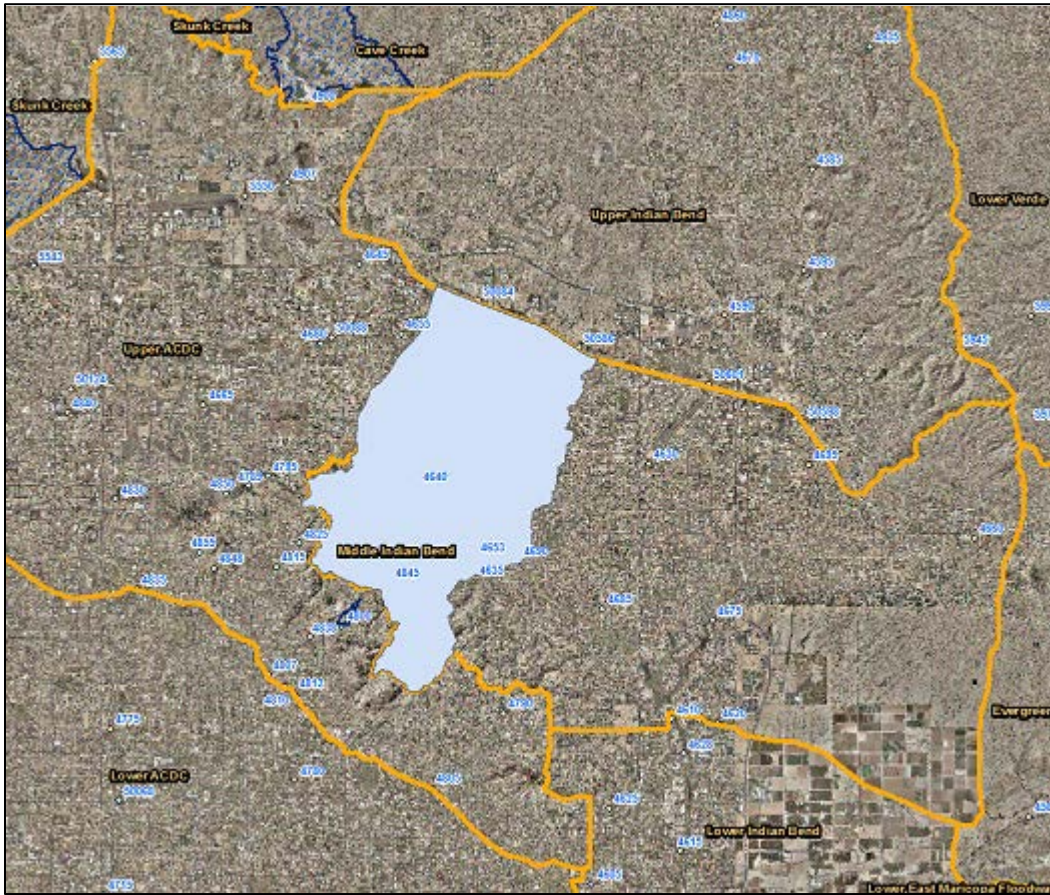
Indian Bend Wash at Shea Boulevard, ID #4693



Site Data

LOCATION	Near 52nd Street and Shea Boulevard
DRAINAGE AREA	24.6 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S29 T3N R4E
LATITUDE	N 33° 34' 53.2" +33.58143
LONGITUDE	W 111° 58' 06.3" -111.96841
STREAMGAGE INSTALLATION DATE	06/09/1998 - WY 1998
AVAILABLE PERIOD OF RECORD	06/09/1998 - Current
LENGTH OF AVAILABLE POR DATA DATA	18.31 Years 6,689 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.35 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,344.26 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,616 cfs 4.68 feet 08/02/2005

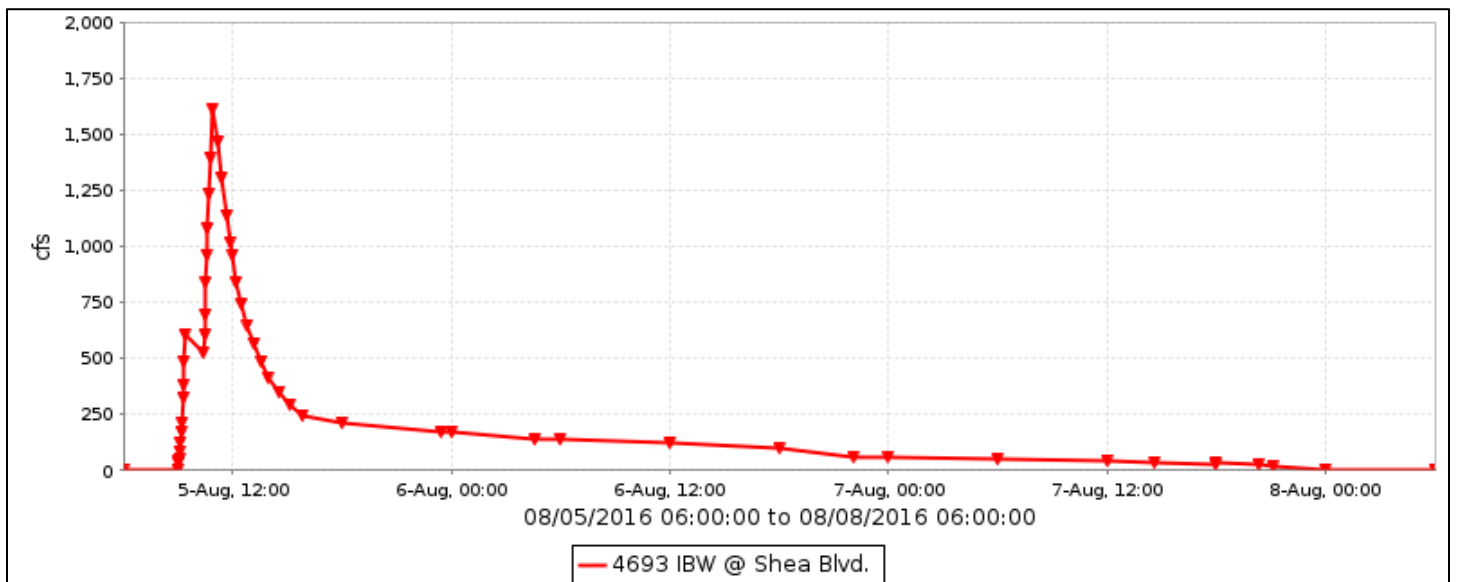
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/04/2015	0.78	38
10/06/2015	1.00	110
10/06/2015	1.12	151
10/18/2015	1.68	436
11/15/2015	0.85	53
01/04/2016	1.30	222
01/06/2016	1.62	402
01/07/2016	1.52	339
01/31/2016	1.30	222
04/08/2016	1.10	142
04/10/2016	1.38	257
06/29/2016	1.37	255
07/20/2016	0.72	34
07/31/2016	0.89	65
08/02/2016	1.34	240
08/05/2016	2.76	1,612
08/09/2016	0.97	96
08/11/2016	1.42	281
08/20/2016	1.09	138
08/23/2016	1.54	348
08/26/2016	0.84	50
08/27/2016	1.09	138

Hydrograph of peak WY 2016 flow event, 08/05/2016



Flood Flow Frequency

Flood Flow Frequency N=28, HEC-WRC computation (based on 28 years of data, USGS and FCDMC data)					
2-year	5-year	10-year	20-year	50-year	100-year
1,200	2,400	3,460	4,680	6,590	8,270

Inidan Bend Wash at Shea Boulevard, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					60							
2											27	
3											8	
4	7			32								
5				68							266	
6	53			147							123	
7	28			131							40	22
8				31			83					
9											21	
10							64				9	
11							34				148	
12							5				83	
13											12	
14			5									
15		3							---			
16		26							---			
17									---			
18	60											
19	90											
20	5								---	11	20	
21									---		17	
22									---			22
23											158	12
24											63	
25											6	
26											30	
27											66	
28											45	
29									6		11	
30					---				20			
31		---		7	---		---		---	18		---
TOTAL	243	30	5	416	61	0	185	0	27	29	1154	48
MEAN	8	1	0	13	2	0	6	0	1	1	37	2
MAX	436	53	18	402	179	0	257	0	255	65	1612	132
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	482	59	10	825	120	0	367	0	53	58	2288	95
WTR YR 2016	TOTAL	2197	MEAN	6	MAX	1612	MIN	0	AC_FT	4358		

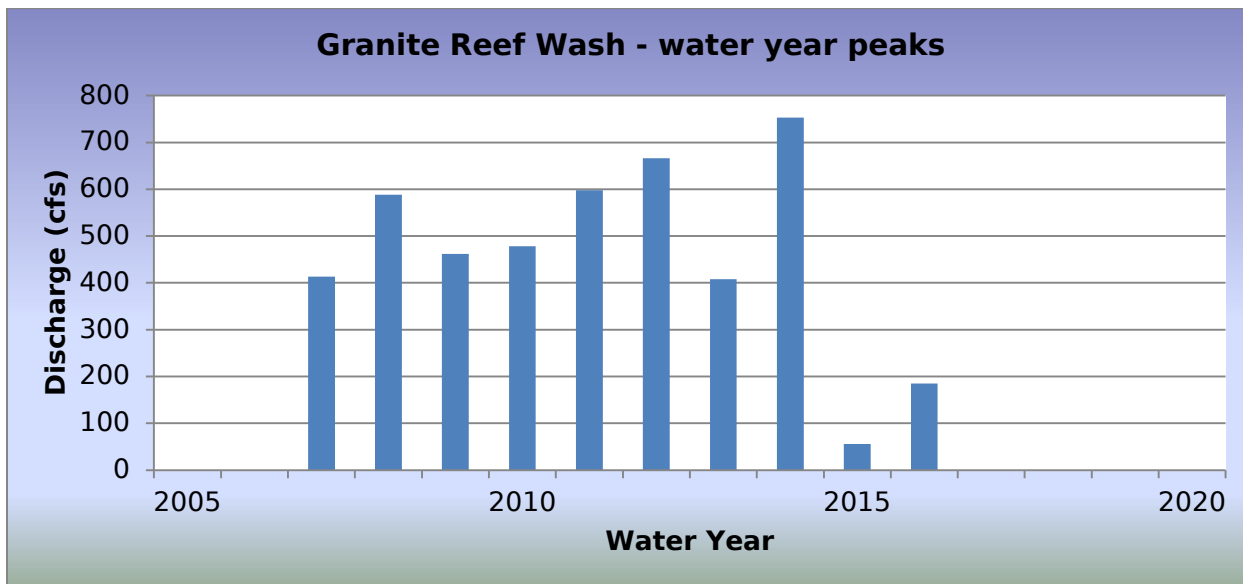
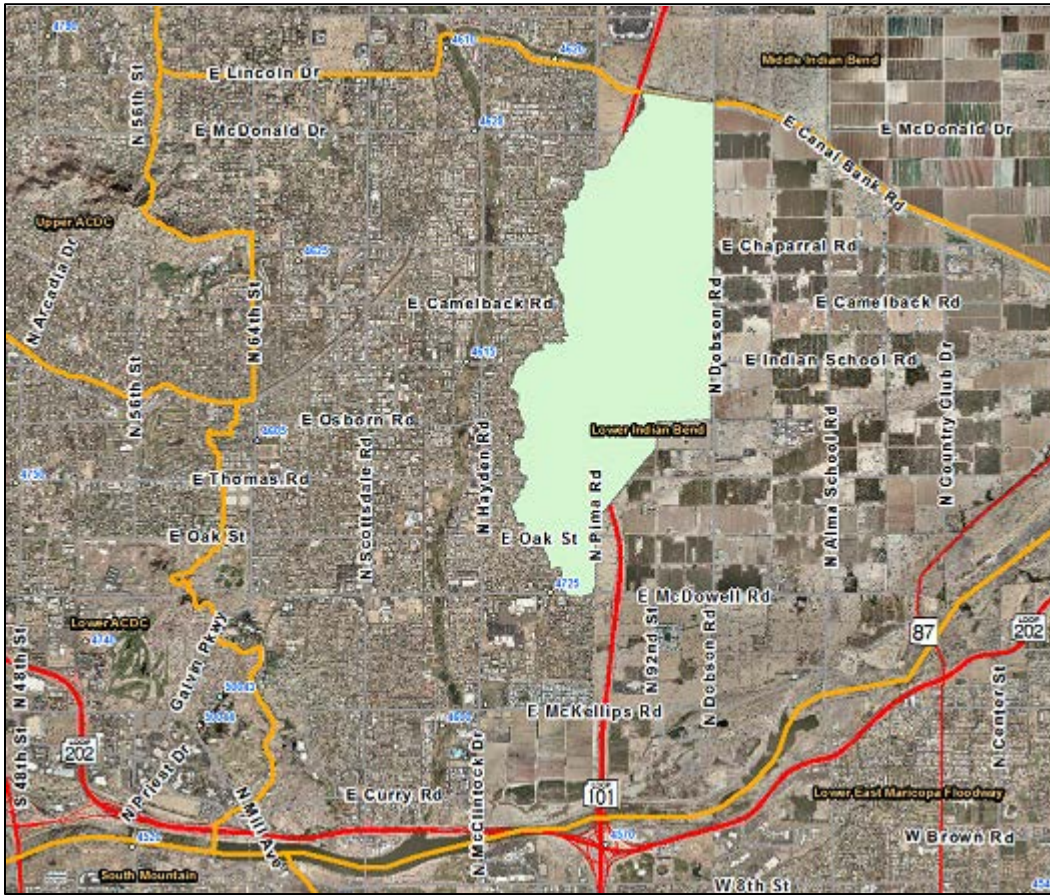
Granite Reef Wash, ID #4728



Site Data

LOCATION	On McDowell Road near Granite Reef Road
DRAINAGE AREA	7.2 mi ²
STREAM TYPE	1-Barrel Culvert
JURISDICTION	Scottsdale, Arizona
WATERSHED	Lower Indian Bend
SECTION/TOWNSHIP/RANGE	S36 T2N R4E
LATITUDE	N 33° 27' 57.6" +33.46599
LONGITUDE	W 111° 53' 54.9" -111.89857
STREAMGAGE INSTALLATION DATE	06/26/2007 - WY 2007
AVAILABLE PERIOD OF RECORD	06/26/2007 - Current
LENGTH OF AVAILABLE POR DATA DATA	9.27 Years 3,385 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.28 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	753 cfs 7.76 feet 09/08/2014

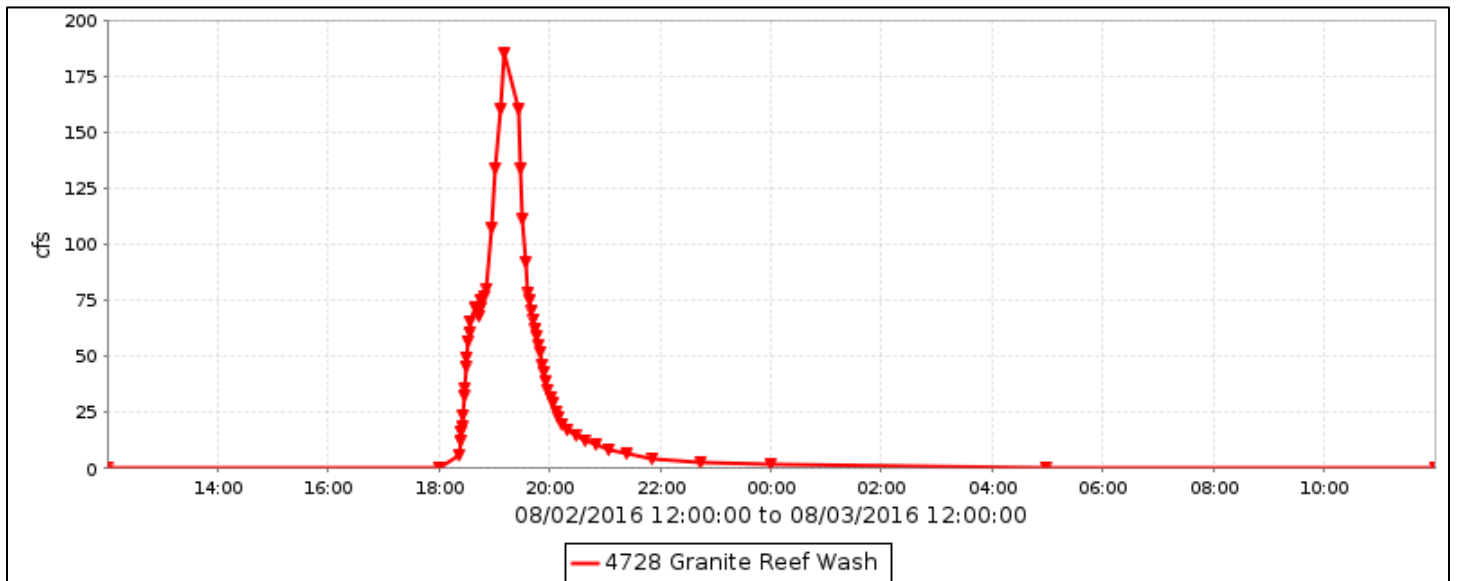
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/17/2015	2.80	33
10/18/2015	2.42	22
10/20/2015	2.65	29
01/04/2016	2.80	33
01/05/2016	2.47	24
01/06/2016	2.55	26
01/07/2016	3.82	65
01/31/2016	2.92	36
04/08/2016	3.17	44
06/29/2016	2.75	31
07/18/2016	2.20	17
07/29/2016	4.07	73
08/02/2016	4.76	185
08/05/2016	2.57	26
08/20/2016	2.55	26
08/21/2016	2.92	36
08/23/2016	2.22	17

Hydrograph of peak WY 2016 flow event, 08/02/2016



Flood Flow Frequency

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

Granite Reef Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1					2										
2											8				
3															
4				3											
5				4							2				
6				2											
7				13											
8							4								
9															
10											1				
11											2				
12															
13															
14			2												
15		1													
16															
17	3														
18	3									1					
19															
20	3										2				
21											2				
22												3			
23											2				
24															
25															
26															
27															
28															
29									1	5					
30					---				1		1				
31		---		1	---		---		---			---			
TOTAL	9	1	2	22	2	0	4	0	2	6	20	10			
MEAN	0	0	0	1	0	0	0	0	0	0	1	0			
MAX	33	8	10	65	33	0	44	0	31	73	185	37			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	18	2	4	44	4	0	9	0	5	13	40	21			
WTR YR 2016	TOTAL		80	MEAN		0	MAX		185	MIN		0	AC_FT		158

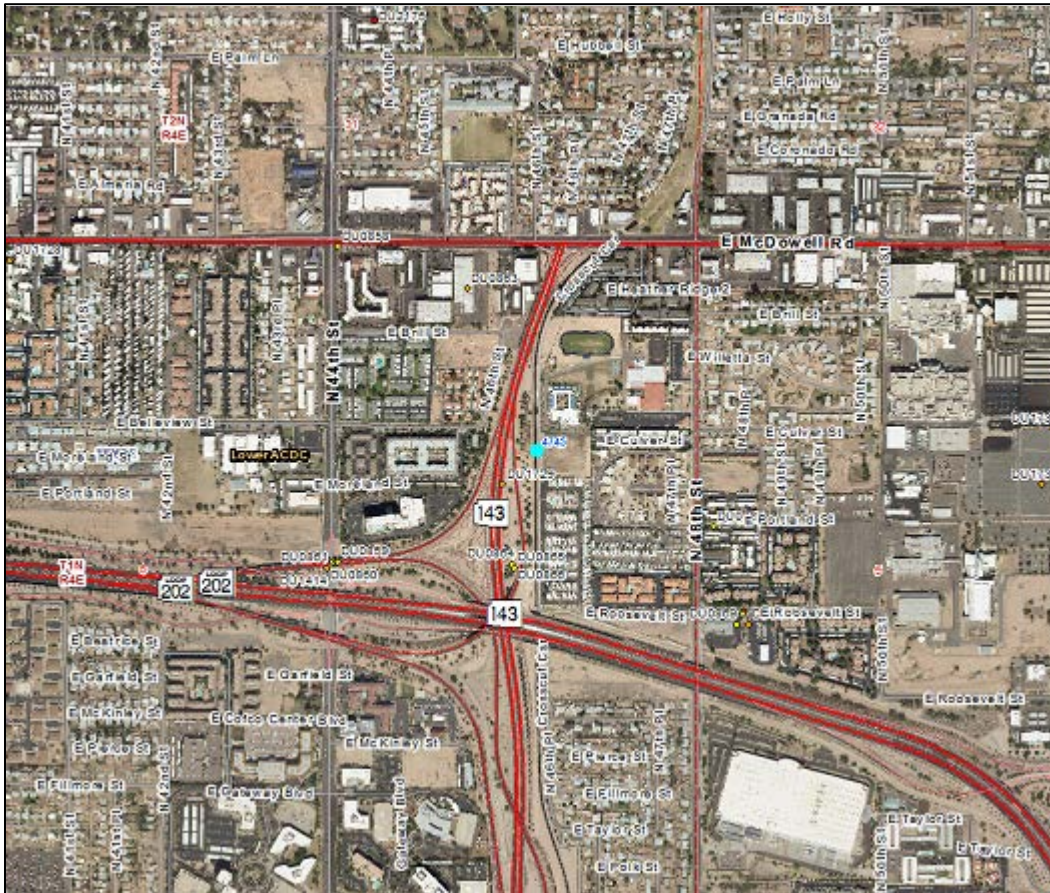
Old Crosscut Canal near McDowell Road, ID #4748



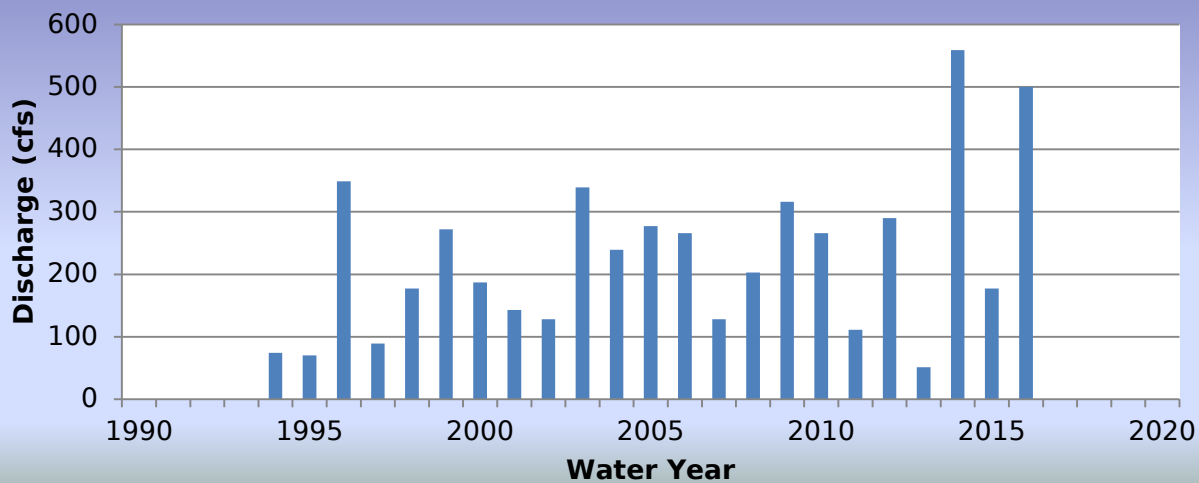
Site Data

LOCATION	Near McDowell Road and SR143
DRAINAGE AREA	Undetermined
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC
SECTION/TOWNSHIP/RANGE	S06 T1N R4E
LATITUDE	N 33° 27' 41.4" +33.46149
LONGITUDE	W 111° 58' 56.1" -111.98224
STREAMGAGE INSTALLATION DATE	07/27/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	07/27/1994 - Current
LENGTH OF AVAILABLE POR DATA DATA	22.18 Years 8,102 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.13 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	559 cfs 2.78 feet 09/08/2014

Location Map (watershed not available)



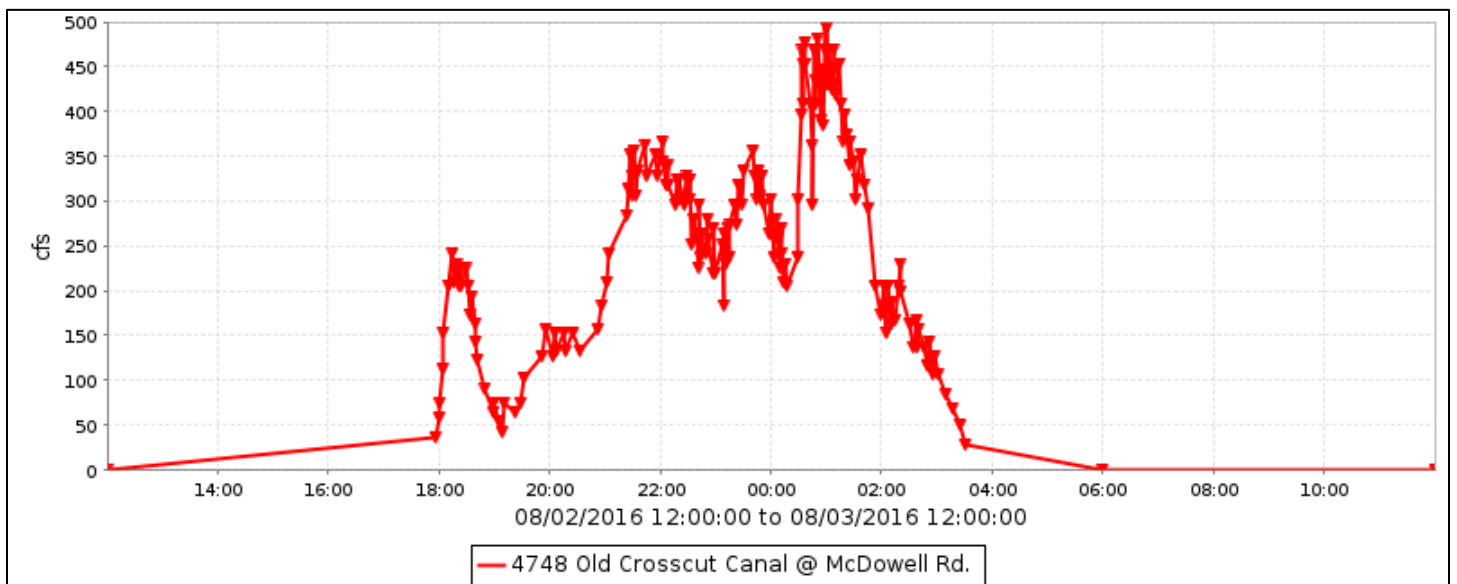
Old Crosscut Canal - water year peaks



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/07/2016	0.80	120
06/30/2016	0.40	69
07/18/2016	0.71	102
07/29/2016	0.91	142
08/02/2016	1.33	230
08/03/2016	2.53	500
08/05/2016	0.46	61
08/11/2016	0.63	84

Hydrograph of peak WY 2016 flow event, 08/03/2016



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								25	---			25
2								25	---		53	25
3		12						25	---		40	26
4		25						25	---			27
5		25						25	---		4	25
6		25						25				25
7		25		28				25				25
8		25		8				25		6		25
9		25						25				25
10		25						25				25
11		25						25	6		2	25
12		25					12	25				25
13		25					25	25				25
14		25					25	25				25
15		25					25	25			13	25
16		25					25	25			25	25
17		25					25	25			25	25
18		25					25	25		8	25	25
19		25					25	25		6	25	25
20		25					25	25			25	25
21		25					25	25			25	25
22		25					25	25			25	25
23		25					25	25			24	25
24		25					25	25			25	25
25		25					25	25			25	25
26		25					25	25			25	25
27		25					25	25			25	25
28		25					25	25			25	25
29							25	25		7	25	25
30							---	25	25	18	25	25
31		---					---	25	---		25	---
TOTAL	0	637	0	36	0	0	462	774	24	27	510	752
MEAN	0	21	0	1	0	0	15	25	1	1	16	25
MAX	0	25	0	120	0	0	25	25	69	142	500	48
MIN	0	0	0	0	0	0	0	24	0	0	0	24
AC_FT	0	1263	0	70	0	0	917	1535	47	54	1012	1492
WTR YR 2016	TOTAL	3222	MEAN	9	MAX	500	MIN	0	AC_FT	6391		

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

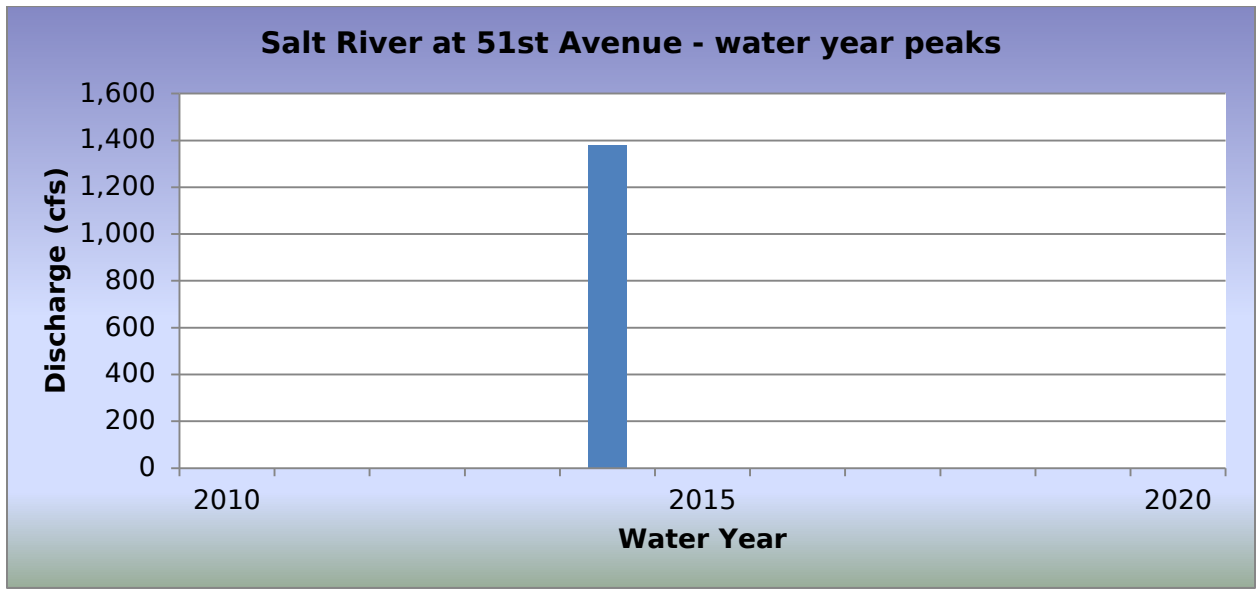
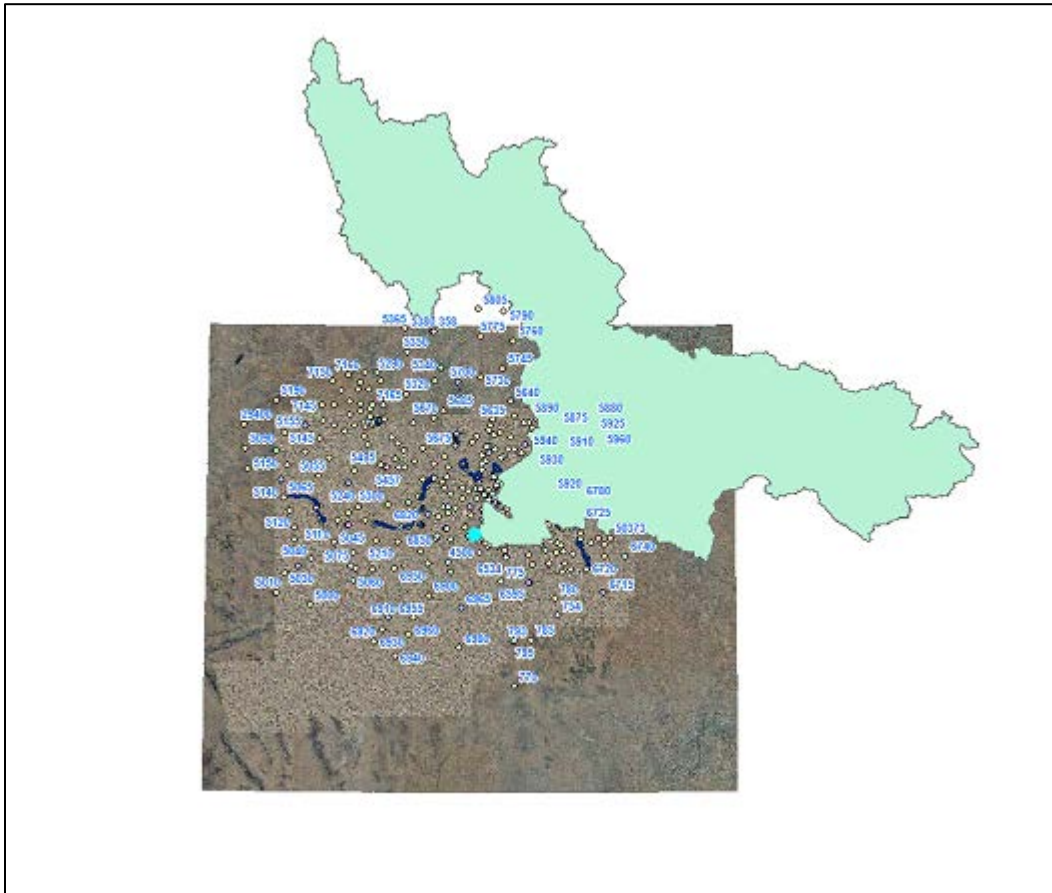
Salt River at 51st Avenue, ID #4753



Site Data

LOCATION	Located at the 51st Avenue crossing of the Salt River
DRAINAGE AREA	13,425 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC
SECTION/TOWNSHIP/RANGE	S29 T1N R2E
LATITUDE	N 33° 24' 15.7" +33.40435
LONGITUDE	W 112° 10' 07.4" -112.16871
STREAMGAGE INSTALLATION DATE	04/27/2011 - WY 2011
AVAILABLE PERIOD OF RECORD	04/27/2011 - Current
LENGTH OF AVAILABLE POR DATA DATA	5.43 Years 1,984 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.60 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,050.00 feet NGVD 1929
POINT OF ZERO FLOW	Undetermined

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There were no recorded runoff events in water year 2016.

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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	1	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 2016	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC_FT	0		

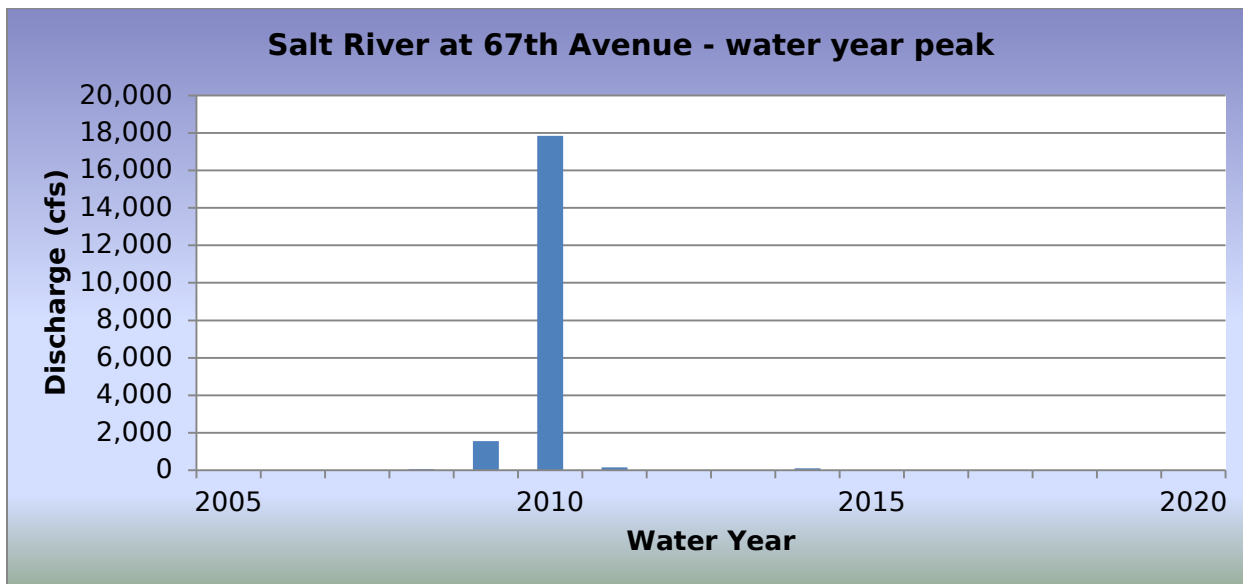
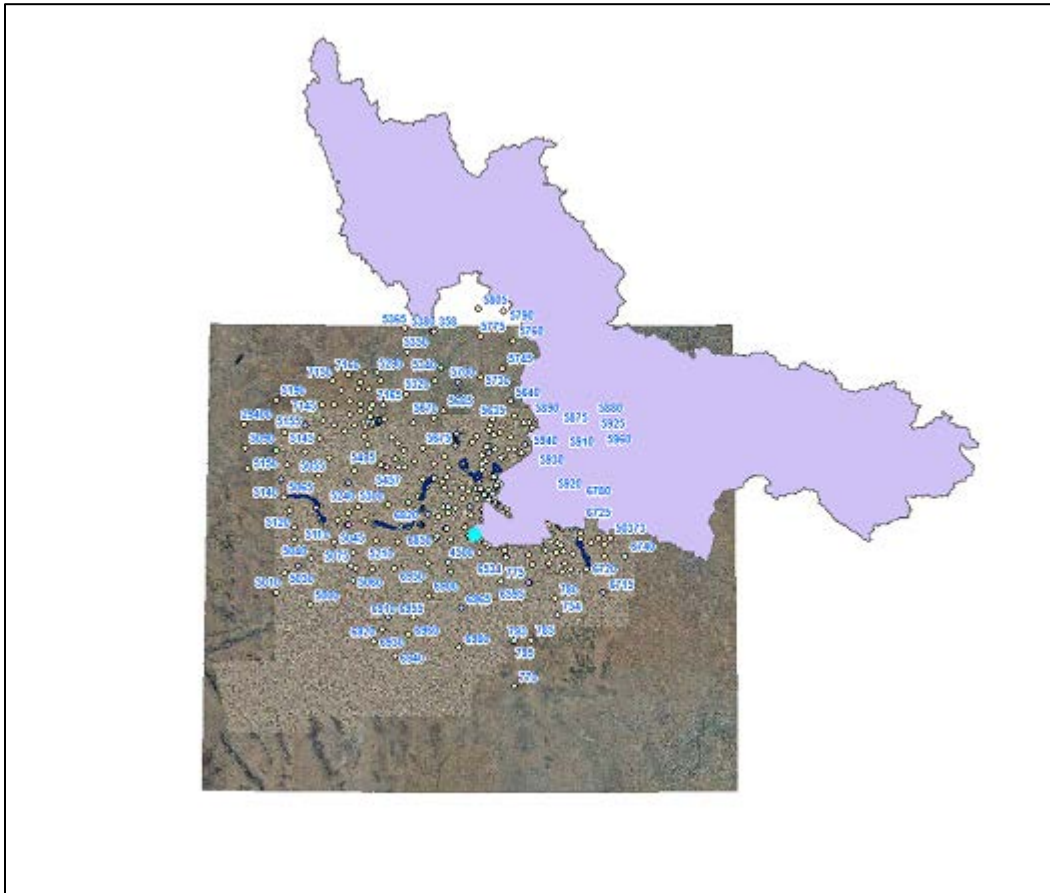
Salt River at 67th Avenue, ID #4758



Site Data

LOCATION	Located at the 67th Avenue crossing of the Salt River
DRAINAGE AREA	13,434 mi ²
STREAM TYPE	Culvert in Channelized Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Salt
SECTION/TOWNSHIP/RANGE	S30 T1N R2E
LATITUDE	N 33° 23' 51.8" +33.39773
LONGITUDE	W 112° 12' 12.6" -112.20351
STREAMGAGE INSTALLATION DATE	07/14/2008 - WY 2008
AVAILABLE PERIOD OF RECORD	07/14/2008 - Current
LENGTH OF AVAILABLE POR DATA	8.22 Years 3,001 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There were no recorded runoff events in water year 2016.

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 2015 to September 2016

DAY	Daily Mean Values												
	OCT	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	1	3	0	0	0	
MIN	---	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0	
WTR YR 2016	TOTAL		0	MEAN		0	MAX	3	MIN		0	AC_FT	1

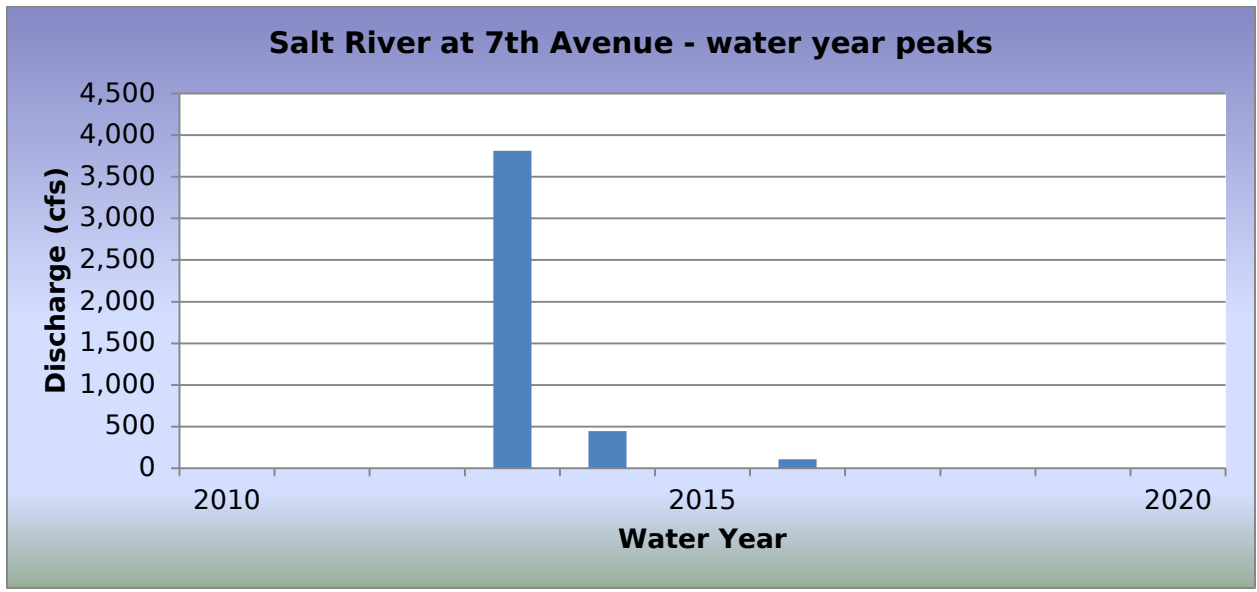
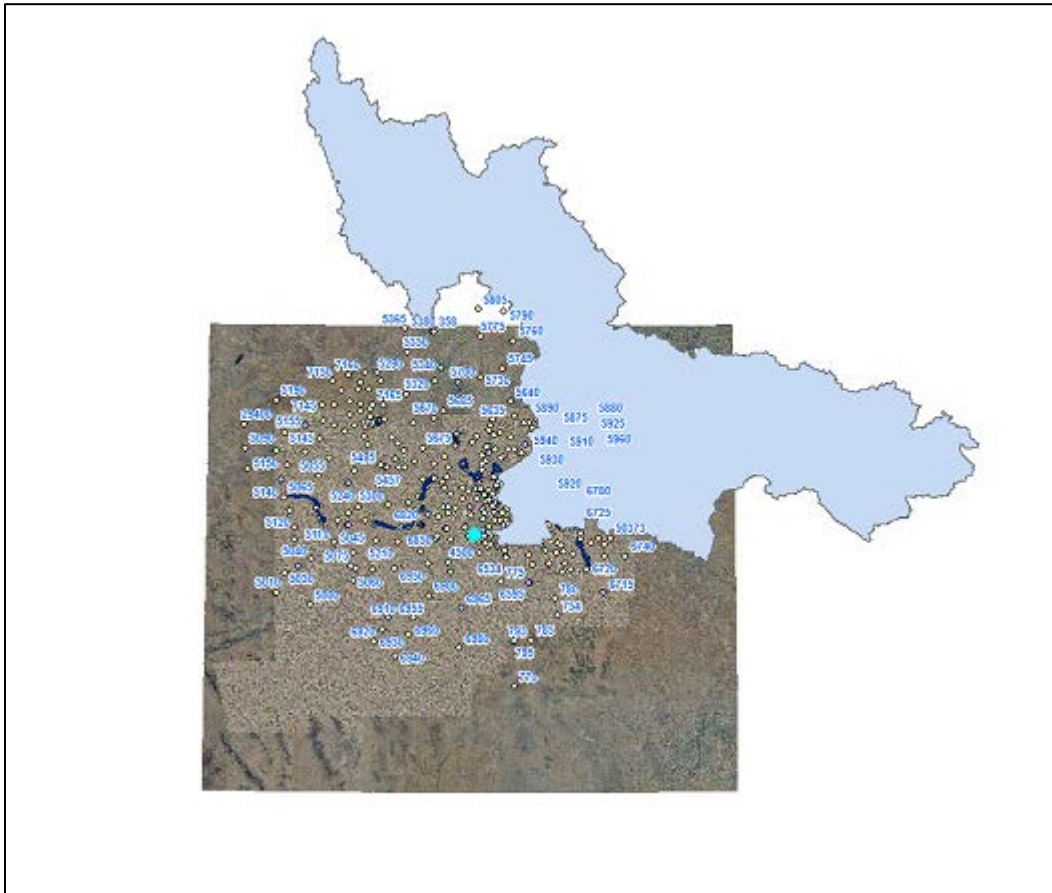
Salt River at 7th Avenue, ID #4763



Site Data

LOCATION	Located on the 7th Avenue Bridge
DRAINAGE AREA	13,223 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC / South Mountain
SECTION/TOWNSHIP/RANGE	S19 T1N R3E
LATITUDE	N 33° 25' 03.1" +33.41752
LONGITUDE	W 112° 04' 57.4" -112.08262
STREAMGAGE INSTALLATION DATE	01/25/2012 - WY 2012
AVAILABLE PERIOD OF RECORD	01/25/2012 - Current
LENGTH OF AVAILABLE POR DATA DATA	4.68 Years 1,711 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	Undetermined
EXTREME FOR PERIOD OF RECORD	7.35 FEET 3,814 CFS 07/21/2013

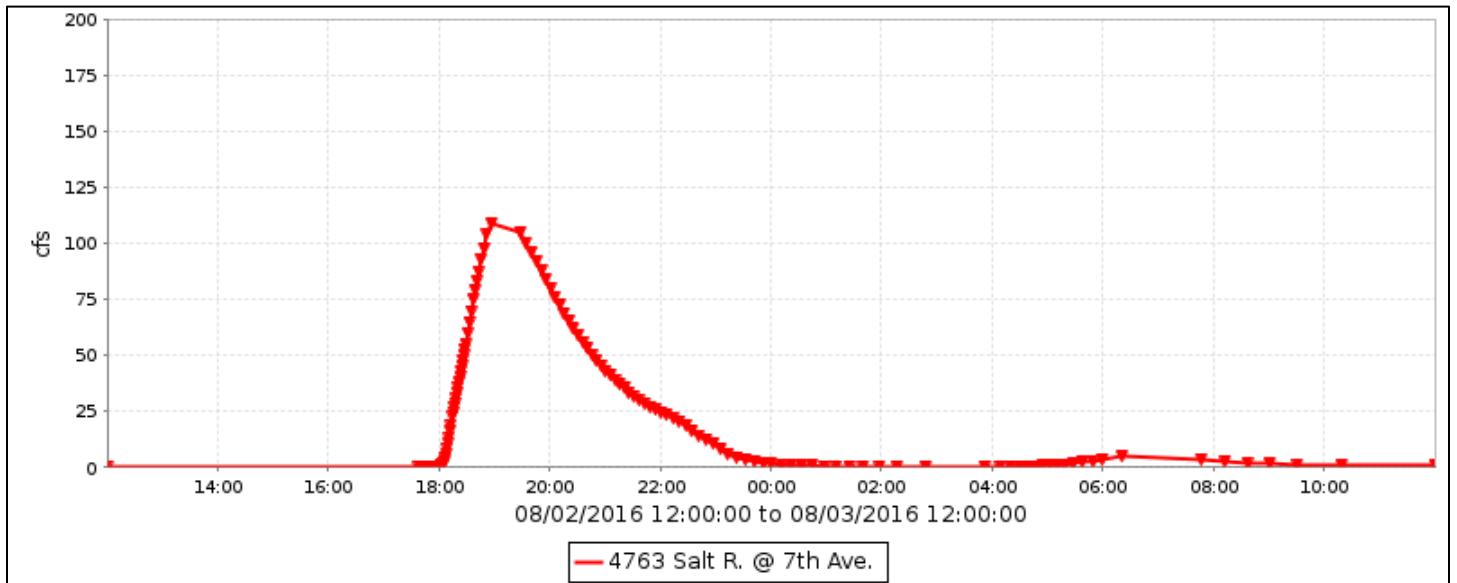
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/02/2016	7.71	108
08/05/2016	4.29	23

Hydrograph of peak WY 2016 flow event



Flood Flow Frequency

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

Salt River at 7th Avenue, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---								---			
2	---								---		11	
3	---				---			---	---		1	
4	---		---		---			---	---			
5	---		---					---	---		3	
6	---		---					---	---		2	
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	17	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	---	0	0	0	---	0	0	---	---	0	108	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	33	0
WTR YR 2016	TOTAL	17	MEAN	0	MAX	108	MIN	0	AC_FT	33		

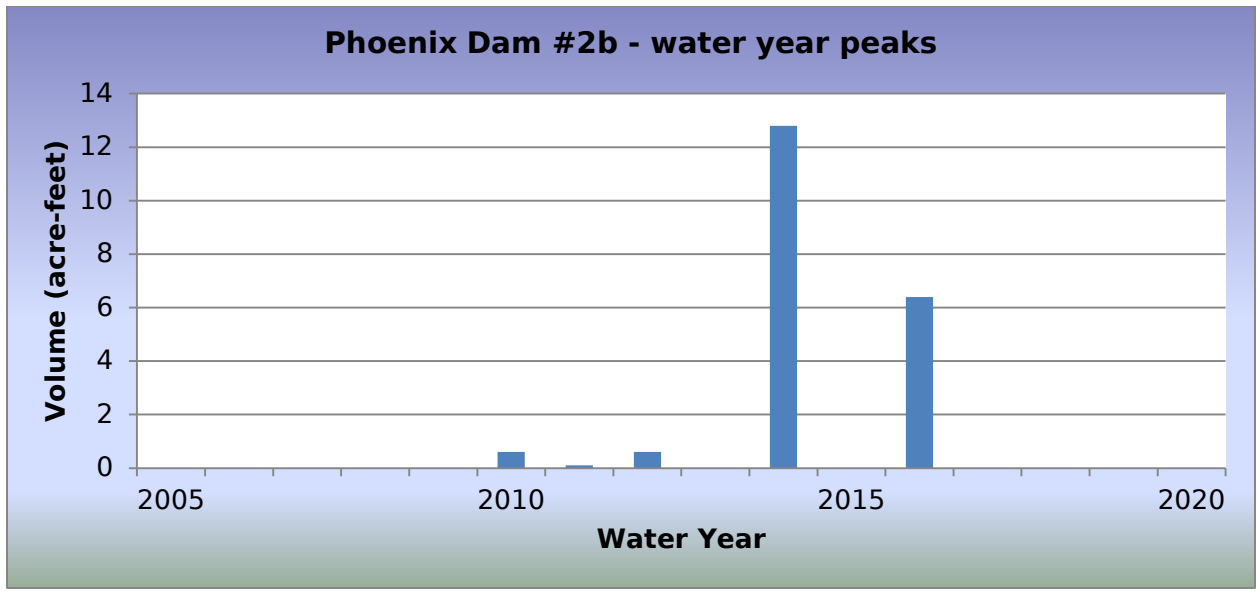
Phoenix Dam #2B, ID #4778



Site Data

LOCATION	On Thunderbird Road east of 7th Street
DRAINAGE AREA	0.60 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S16 T3N R3E
LATITUDE	N 33° 36' 23.8" +33.60660
LONGITUDE	W 112° 03' 28.4" -112.05789
STREAMGAGE INSTALLATION DATE	06/30/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	06/30/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.26 Years 2,650 Days
GAPS (> 2 DAYS) IN RECORD	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

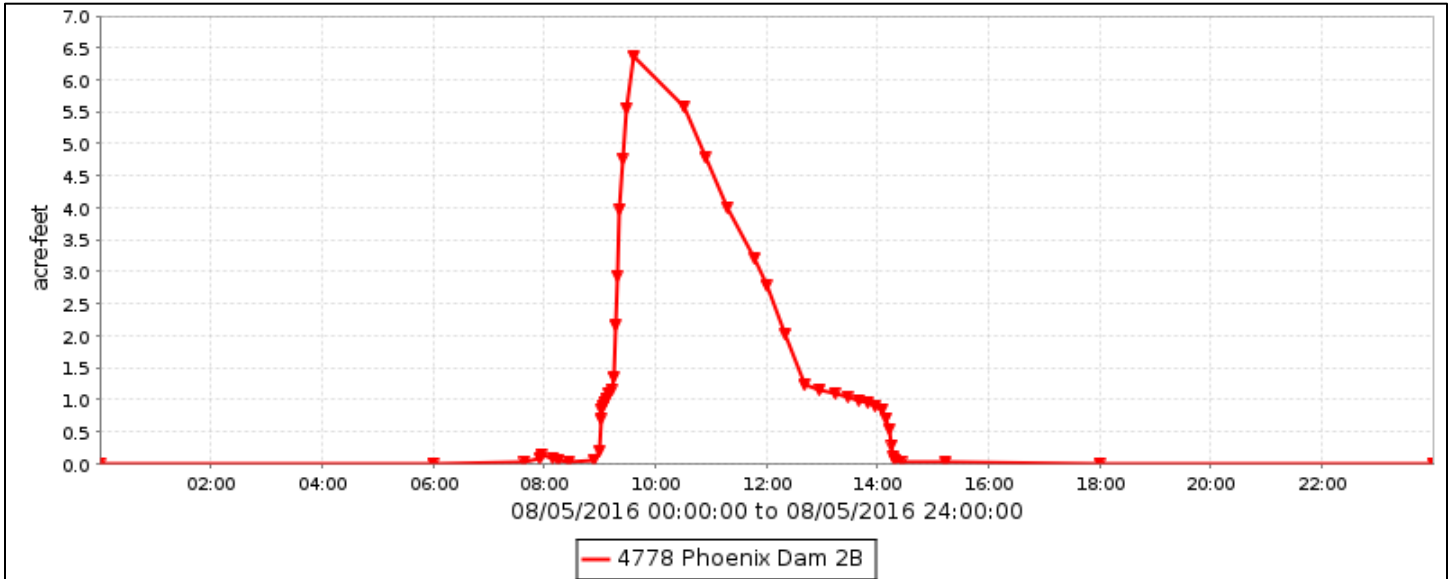
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
04/10/2016	1.92	0.7	1.4
08/05/2016	5.68	6.4	13.3
08/22/2016	2.81	1.0	2.2

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Phoenix Dam #2B, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4													
5											4		
6													
7													
8													
9													
10							1						
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22											1		
23													
24													
25													
26													
27													
28													
29													
30					---								
31		---			---		---		---			---	
TOTAL	0	0	0	0	0	0	1	0	0	0	6	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	
MAX	0	0	0	0	0	0	12	0	0	0	21	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	0	0	0	0	0	0	2	0	0	0	12	0	
WTR YR 2016	TOTAL		7	MEAN		0	MAX	21	MIN		0	AC_FT	14

Phoenix Dam #2B, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											1	
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	1	0	0	0	6	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	6	MIN	0					

Phoenix Dam #2B, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	1.0	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	0.2	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	0.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	5.7	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 2016	MEAN	0.00	MAX	5.68	MIN	0.00						

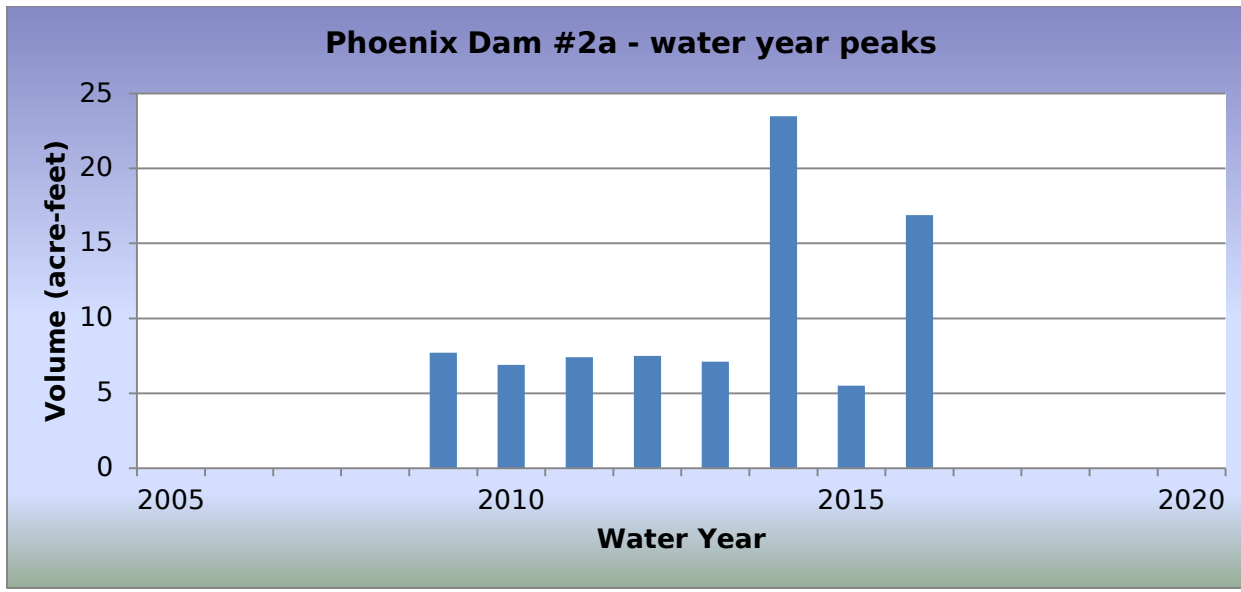
Phoenix Dam #2A, ID #4789



Site Data

LOCATION	On 7th Street south of Thunderbird Road
DRAINAGE AREA	0.75 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S16 T3N R3E
LATITUDE	N 33° 36' 13.2" +33.60366
LONGITUDE	W 112° 03' 52.8" -112.06466
STREAMGAGE INSTALLATION DATE	06/29/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	06/29/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.26 Years 2,651 Days
GAPS (> 2 DAYS) IN RECORD	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

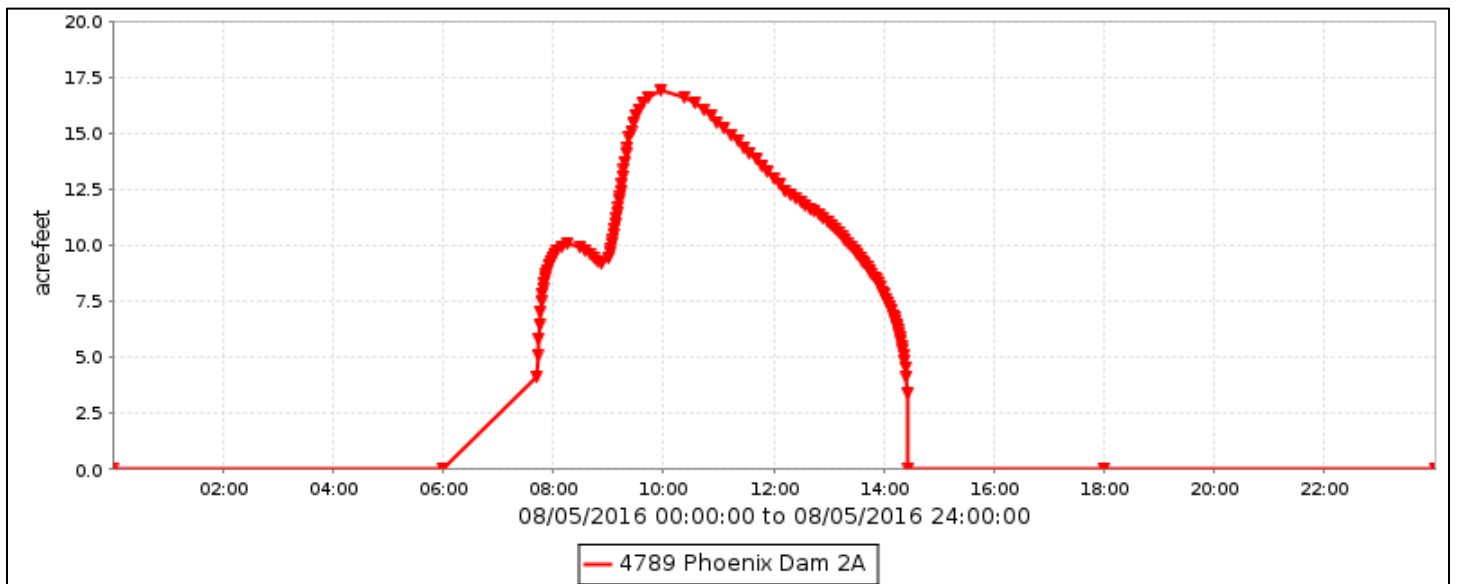
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/06/2016	5.45	8.1	13.6
01/07/2016	1.14	2.5	4.2
04/10/2016	4.38	6.7	11.2
08/05/2016	10.10	16.9	28.2
08/22/2016	8.26	12.1	20.2

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Phoenix Dam #2A, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											7	
6				1								
7												
8												
9												
10							1					
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22											3	
23												
24												
25												
26												
27												
28												
29												
30						---						
31		---				---		---		---		---
TOTAL	0	0	0	1	0	0	1	0	0	0	10	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	21	0	0	19	0	0	0	28	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	2	0	0	1	0	0	0	20	0
WTR YR 2016	TOTAL	12	MEAN	0	MAX	28	MIN	0	AC_FT	24		

Phoenix Dam #2A, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											3	
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22											1	
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	8	0	0	7	0	0	0	17	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	17	MIN	0					

Phoenix Dam #2A, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	2.2	0.0
6	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.1	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	0.2	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	0.9	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
MAX	0.0	0.0	0.0	5.5	0.0	0.0	4.4	0.0	0.0	0.0	10.1	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WTR YR 2016	MEAN	0.01	MAX	10.10	MIN	0.00						

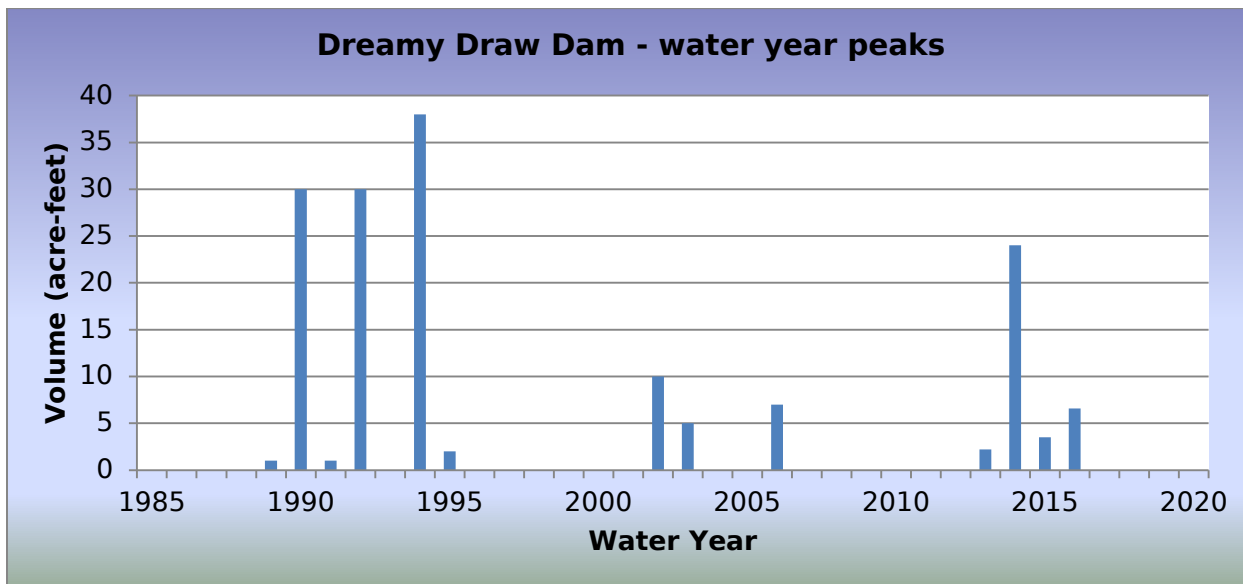
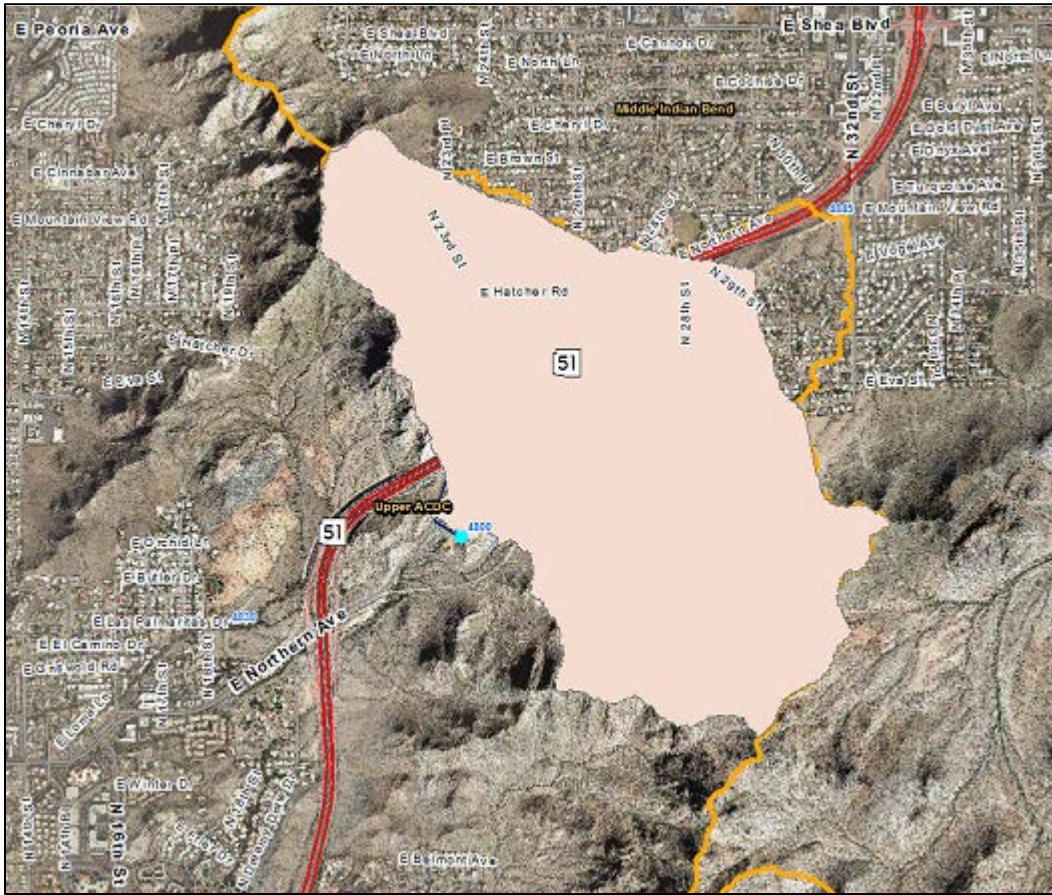
Dreamy Draw Dam, ID #4803



Site Data

LOCATION	Located near Northern Avenue and SR 51
DRAINAGE AREA	1.35 mi ²
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S34 T3N R3E
LATITUDE	N 33° 33' 43.8" +33.56217
LONGITUDE	W 112° 01' 53.7" -112.03159
STREAMGAGE INSTALLATION DATE	01/24/1984 - WY 1984
AVAILABLE PERIOD OF RECORD	08/29/1988 - Current
LENGTH OF AVAILABLE POR DATA	28.09 Years 10,260 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.12 feet Gage Height
STAFF GAGES	9
ZERO GAGE HEIGHT ELEVATION	1,371.46 feet NAVD1988
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	35.50 feet Gage Height
TOP OF DAM ELEVATION	47.04 feet Gage Height

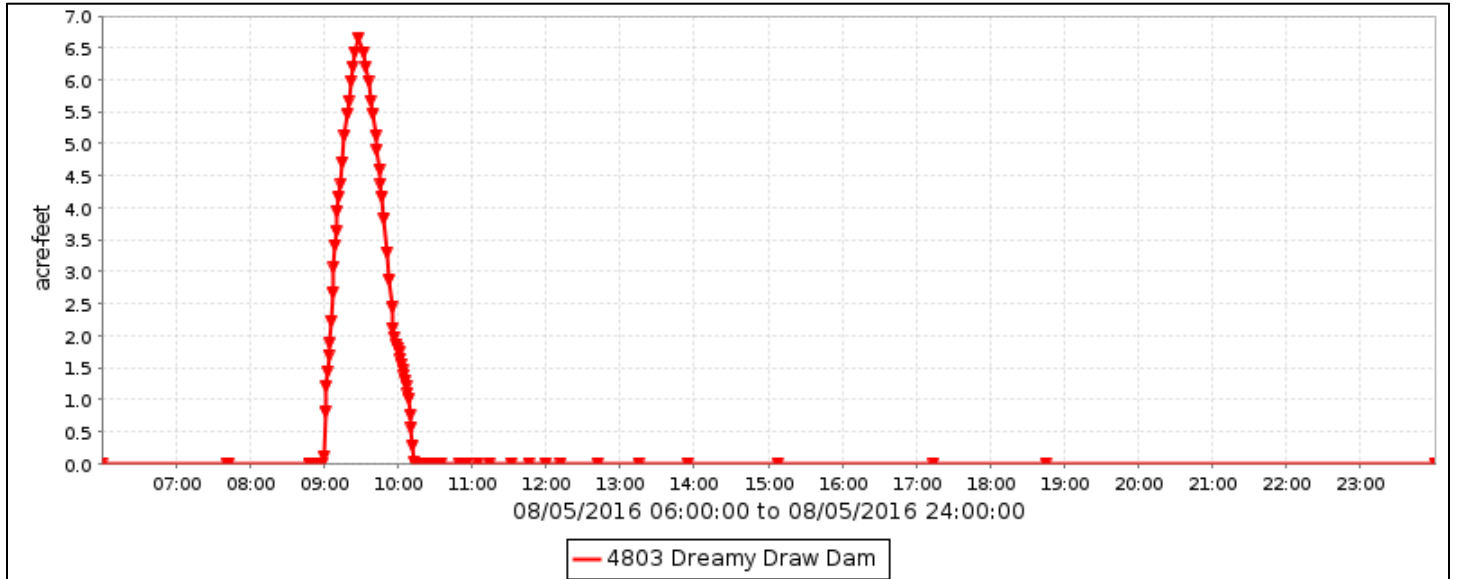
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/18/2015	7.45	0.3	0.1
01/06/2016	2.22	<0.1	0.0
08/05/2016	12.29	6.6	2.2

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Dreamy Draw Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											10	
6				3								
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18	4											
19	3											
20	2											
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31		---			---		---		---			---
TOTAL	9	0	0	3	0	0	0	0	0	0	10	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	107	0	0	27	0	0	0	0	0	0	137	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	18	0	0	6	0	0	0	0	0	0	20	0
WTR YR 2016	TOTAL	22	MEAN	0	MAX	137	MIN	0	AC_FT	44		

Dreamy Draw Dam, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	7	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	7	MIN	0					

Dreamy Draw Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	1.0	0.1
6	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	7.5	0.1	0.1	2.2	0.1	0.1	0.1	0.1	0.1	0.1	12.3	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 2016	MEAN	0.12	MAX	12.29	MIN	0.12						

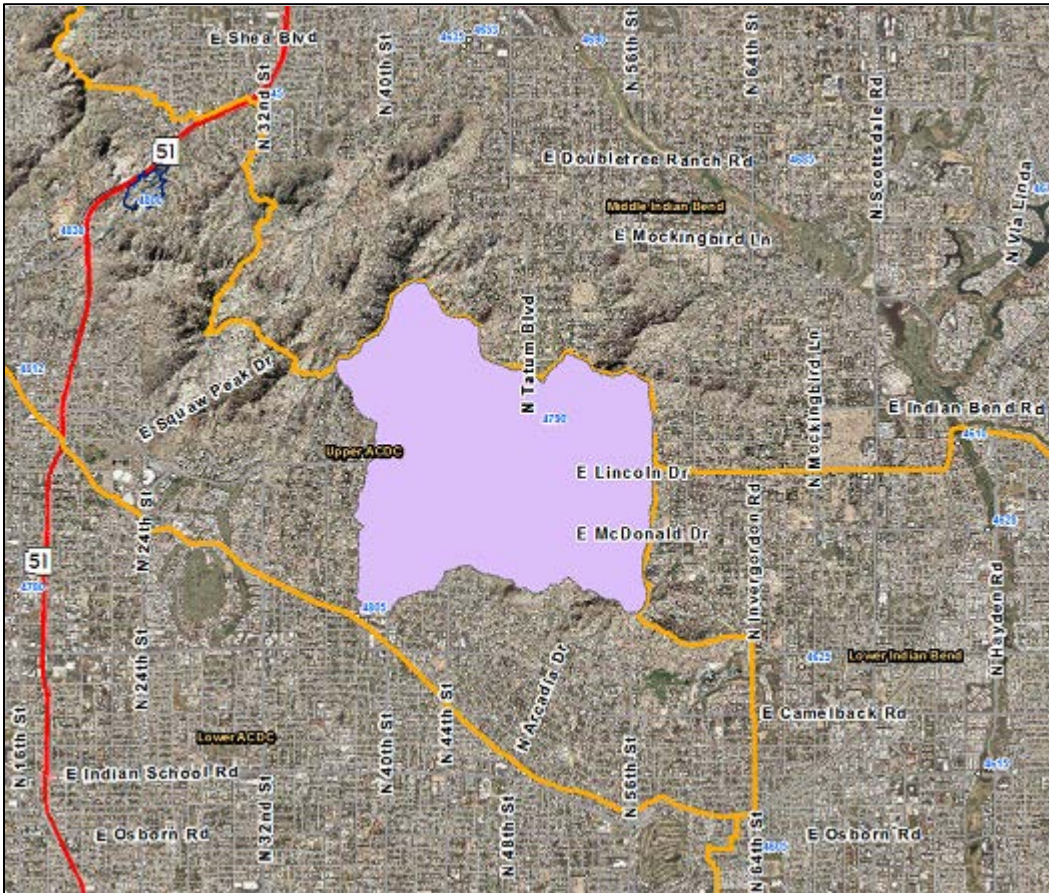
ACDC at 36th Street, ID #4808



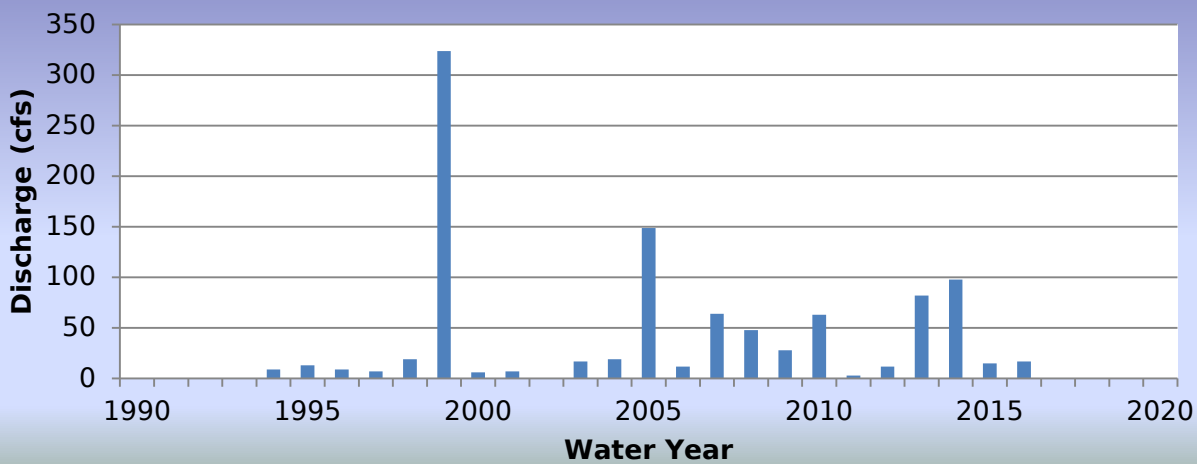
Site Data

LOCATION	At the inlet to the ACDC near 36th Street and Stanford Drive
DRAINAGE AREA	4.8 mi ²
STREAM TYPE	Engineered Basin / Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S13 T2N R3E
LATITUDE	N 33° 30' 49.3" +33.51368
LONGITUDE	W 111° 59' 58.7" -111.99963
STREAMGAGE INSTALLATION DATE	02/24/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	02/24/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.60 Years 8,255 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.12 feet Gage Height
ZERO GAGE HEIGHT ELEVATION	1,235.95 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	324 cfs 7.67 feet 07/14/1999

Watershed Map



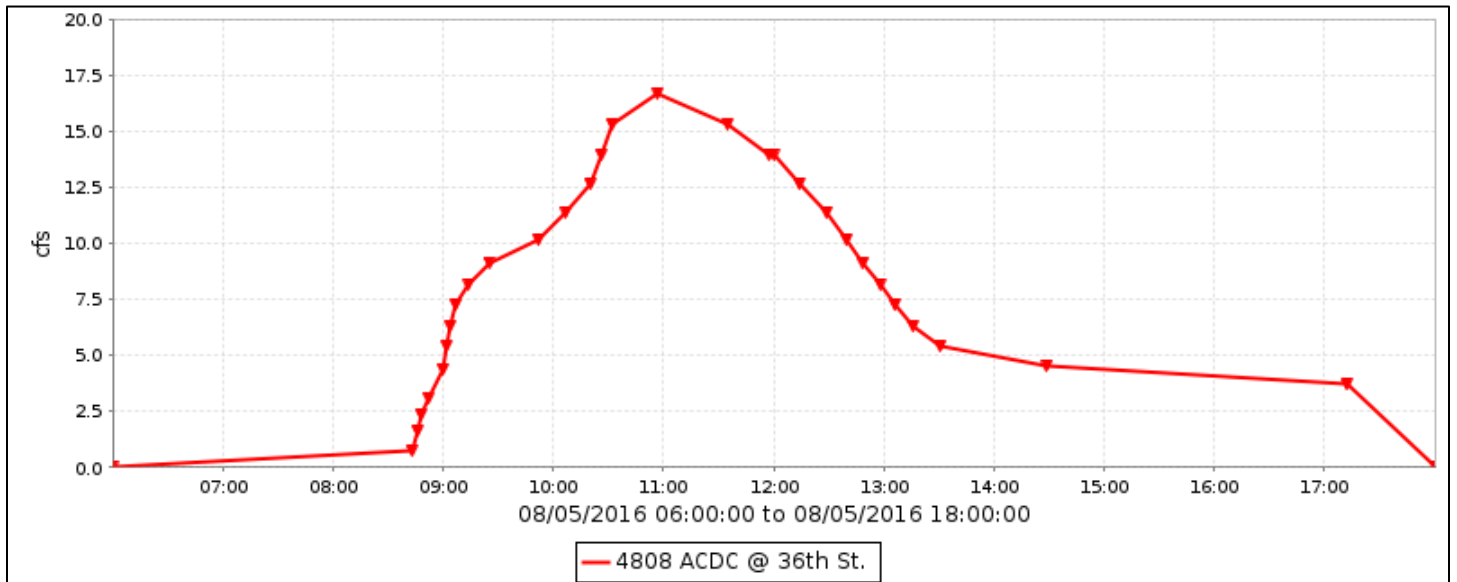
ACDC at 36th Street - water year peaks



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/18/2015	1.64	14
01/07/2016	1.46	11
04/08/2016	0.64	3
04/10/2016	0.49	2
08/02/2016	1.29	9
08/05/2016	1.86	17

Hydrograph of peak WY 2016 flow event



Flood Flow Frequency

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

ACDC at 36th Street, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2											2		
3											2		
4													
5											3		
6													
7				4									
8							1						
9													
10							1						
11													
12													
13													
14													
15													
16													
17													
18	2												
19	1												
20													
21													
22												5	
23												1	
24													
25													
26													
27													
28													
29													
30					---								
31		---			---		---		---			---	
TOTAL	3	0	0	4	0	0	2	0	0	0	7	6	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	
MAX	14	0	0	11	0	0	3	0	0	0	17	24	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	7	0	0	8	0	0	4	0	0	0	13	12	
WTR YR 2016	TOTAL		22	MEAN		0	MAX	24	MIN		0	AC_FT	43

ACDC at 14th Street – ID #4813



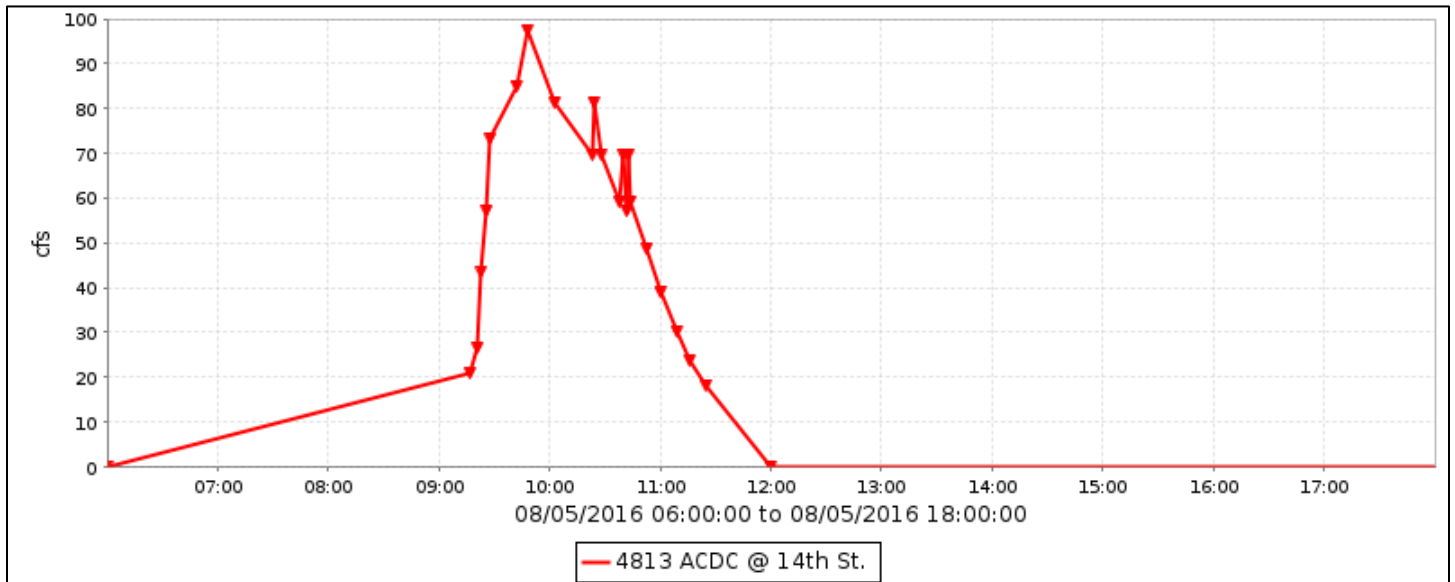
Site Data

LOCATION	Near 14th Street and Orangewood Avenue
DRAINAGE AREA	10.2 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	02/09/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.64 Years 8,270 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.40 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,213.70 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,414 cfs 6.75 feet 09/08/2014

2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/02/2016	1.24	81
08/05/2016	1.37	97

Hydrograph of peak WY 2016 flow event, 08/05/2016



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
104	270	441	659	1,030	1,380

ACDC at 14th Street, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											6	
3												
4												
5											6	
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	12	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	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	25	0
WTR YR 2016	TOTAL	12	MEAN	0	MAX	97	MIN	0	AC_FT	25		

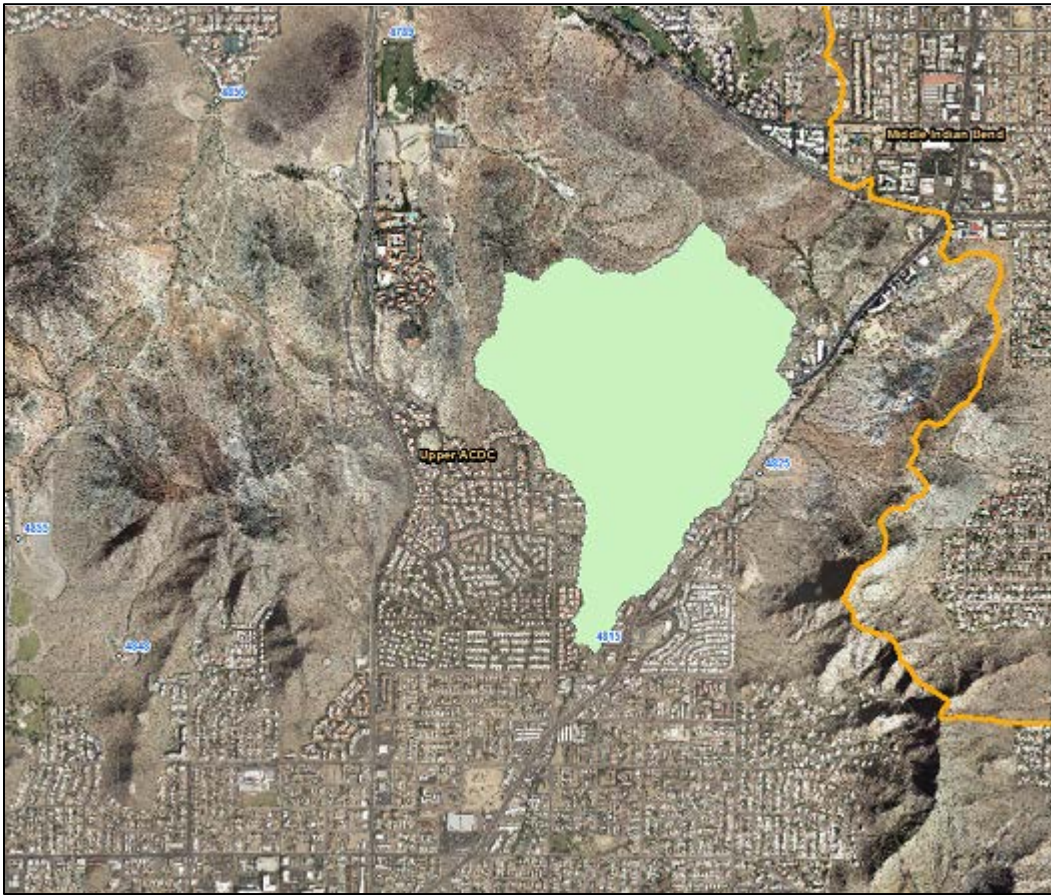
Tenth Street Wash Basin #1, ID #4818



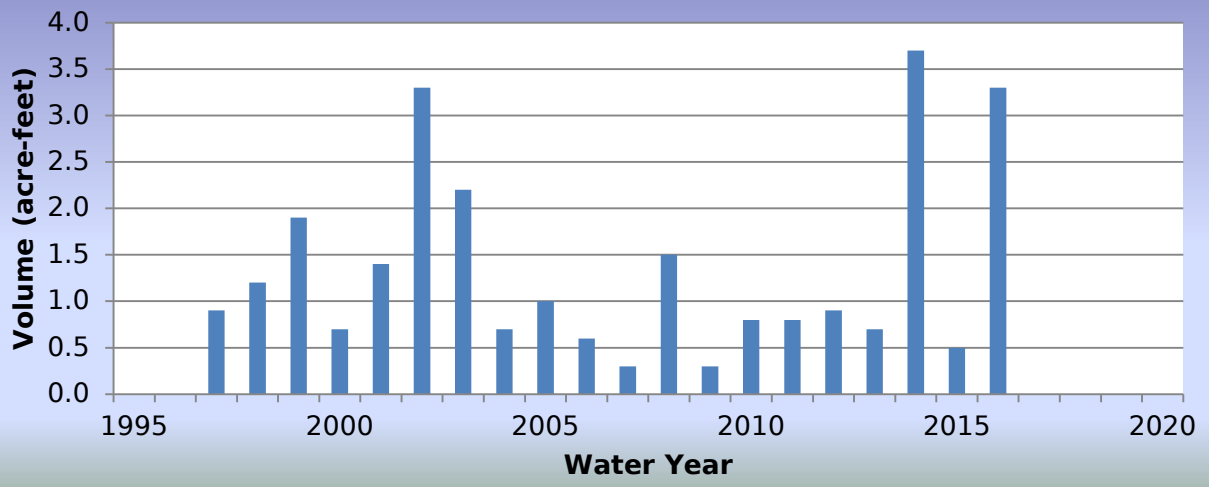
Site Data

LOCATION	Near Cave Creek Road and Peoria Avenue
DRAINAGE AREA	1.2 mi ²
STREAM TYPE	Flood control basin on natural stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S28 T3N R3E
LATITUDE	N 33° 34' 46.8" +33.57969
LONGITUDE	W 112° 03' 17.3" -112.05476
STREAMGAGE INSTALLATION DATE	11/26/1996 - WY 1997
AVAILABLE PERIOD OF RECORD	11/26/1996 - Current
LENGTH OF AVAILABLE POR DATA	19.85 Years 7,249 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.33 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,306.80 Feet M.S.L.
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



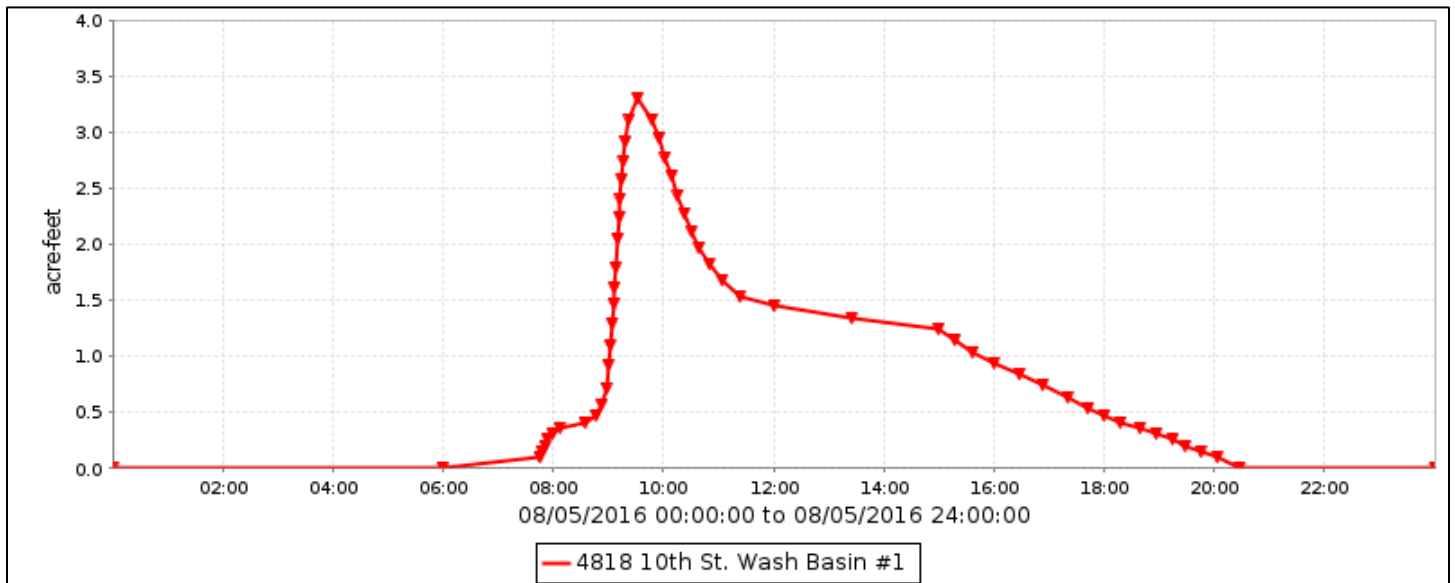
Tenth Street Wash Basin #1 - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/06/2016	0.87	0.3	1.6
04/10/2016	1.67	0.9	4.5
08/05/2016	3.34	3.3	15.5
08/22/2016	1.45	0.7	3.4

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Tenth Street Wash Basin #1, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											7	
6												
7												
8												
9												
10							2					
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22											1	
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	2	0	0	0	8	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	1	0	0	12	0	0	0	32	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	3	0	0	0	16	0
WTR YR 2016	TOTAL	10	MEAN	0	MAX	32	MIN	0	AC_FT	20		

Tenth Street Wash Basin #1, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											1	
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	1	0	0	0	3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	0	MAX	3	MIN	0						

Tenth Street Wash Basin #1, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	1.1	0.3
6	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.3	0.4	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	0.6	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	0.5	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3
MAX	0.3	0.3	0.3	0.9	0.3	0.3	1.7	0.3	0.3	0.3	3.3	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 2016	MEAN	0.33	MAX	3.34	MIN	0.33						

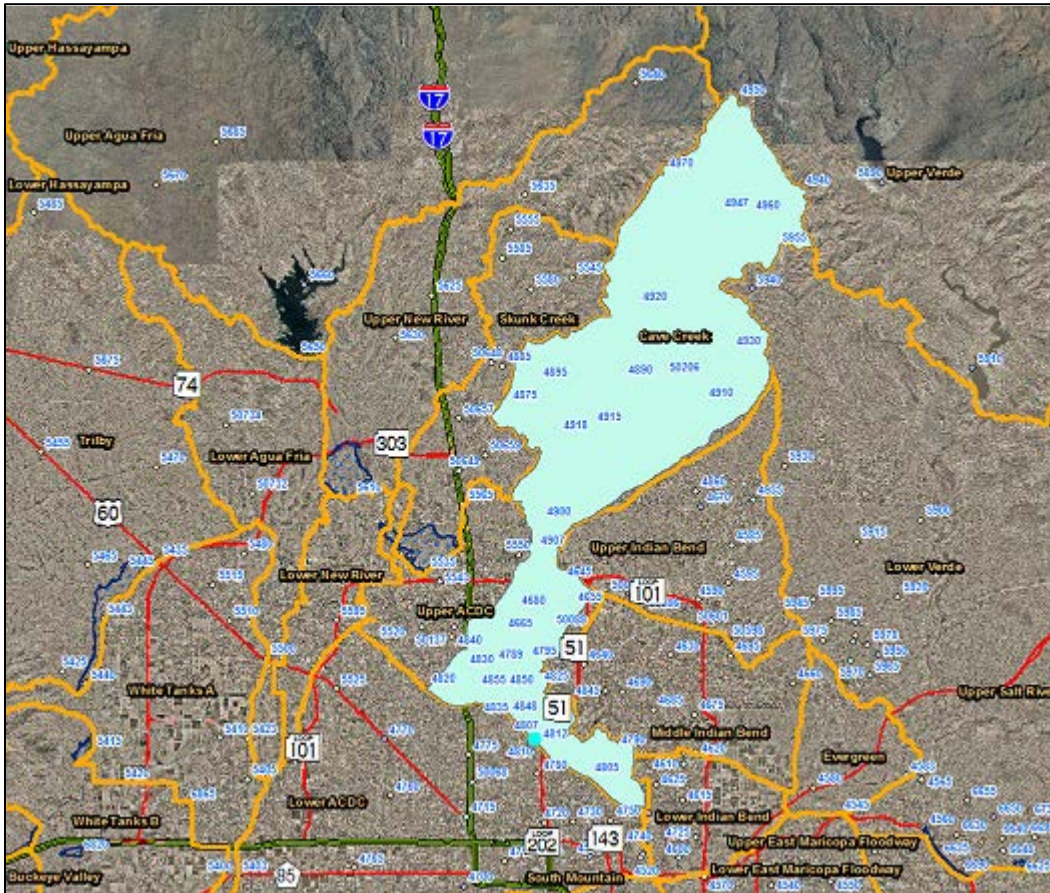
ACDC at 43rd Avenue, ID #4823



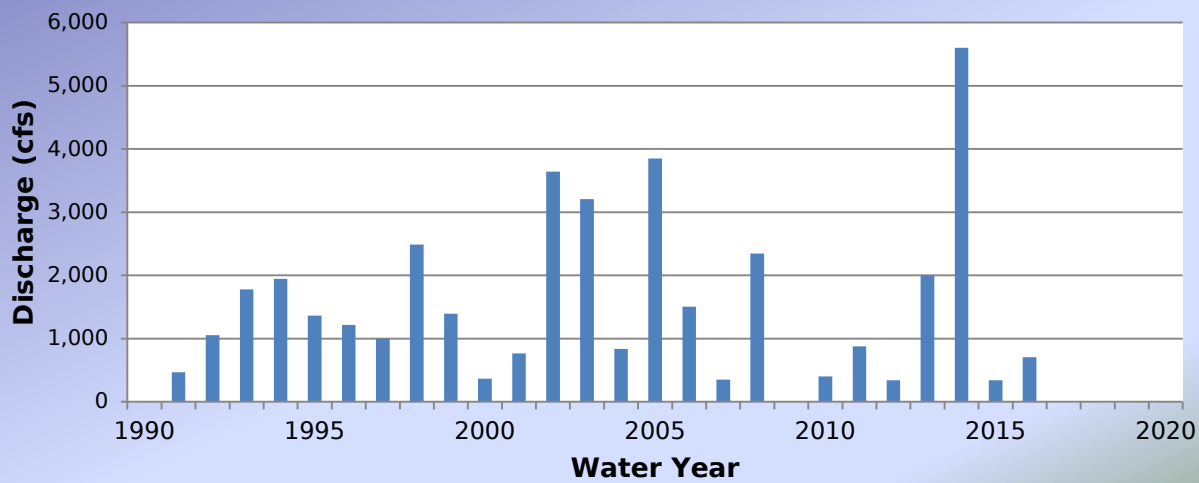
Site Data

LOCATION	Near Peoria and 43rd Avenues
DRAINAGE AREA	56 mi ² below Cave Buttes Dam
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S22 T3N R2E
LATITUDE	N 33° 35' 02.4" +33.58400
LONGITUDE	W 112° 09' 15.2" -112.15422
STREAMGAGE INSTALLATION DATE	11/14/1990 - WY 1991
AVAILABLE PERIOD OF RECORD	11/14/1990 - Current
LENGTH OF AVAILABLE POR DATA	25.88 Years 9,453 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.90 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,198.52 feet M.S.L.
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



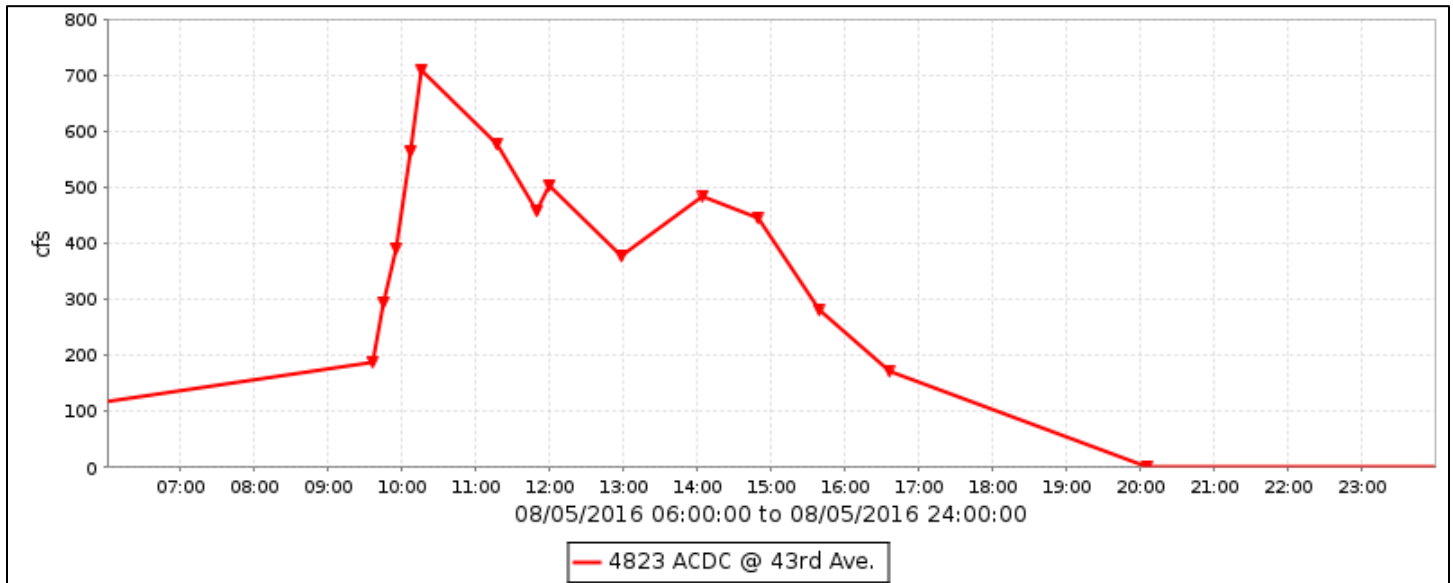
ACDC at 43rd Avenue - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	1.62	456
01/06/2016	1.37	326
08/05/2016	2.02	708

Hydrograph of peak WY 2016 flow event, 08/05/2016



Flood Flow Frequency

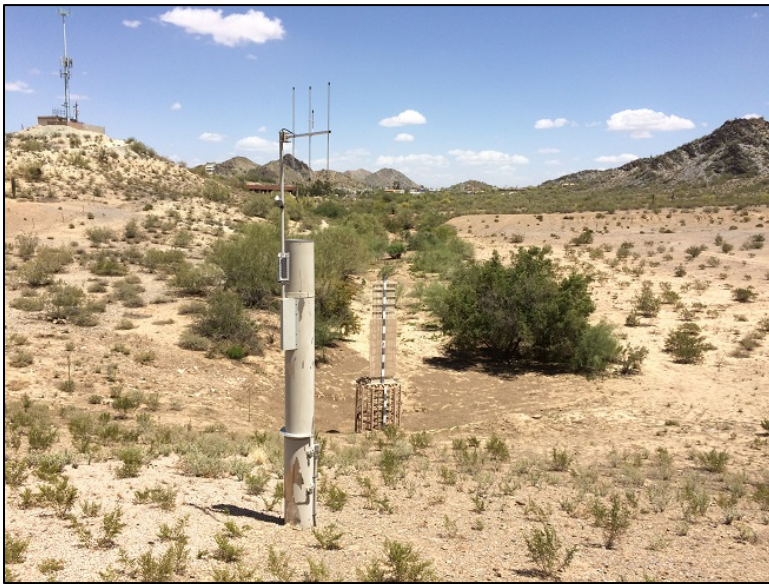
Flood Flow Frequency N=26, HEC-WRC computation (based on 26 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
1,120	2,270	3,260	4,410	6,170	7,720

ACDC at 43rd Avenue, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5				16							160	
6	43			152								
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	43	0	0	168	0	0	0	0	0	0	160	0
MEAN	1	0	0	5	0	0	0	0	0	0	5	0
MAX	456	0	0	326	0	0	0	0	0	0	708	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	85	0	0	333	0	0	0	0	0	0	318	0
WTR YR 2016	TOTAL		371	MEAN	1	MAX	708	MIN	0	AC_FT	736	

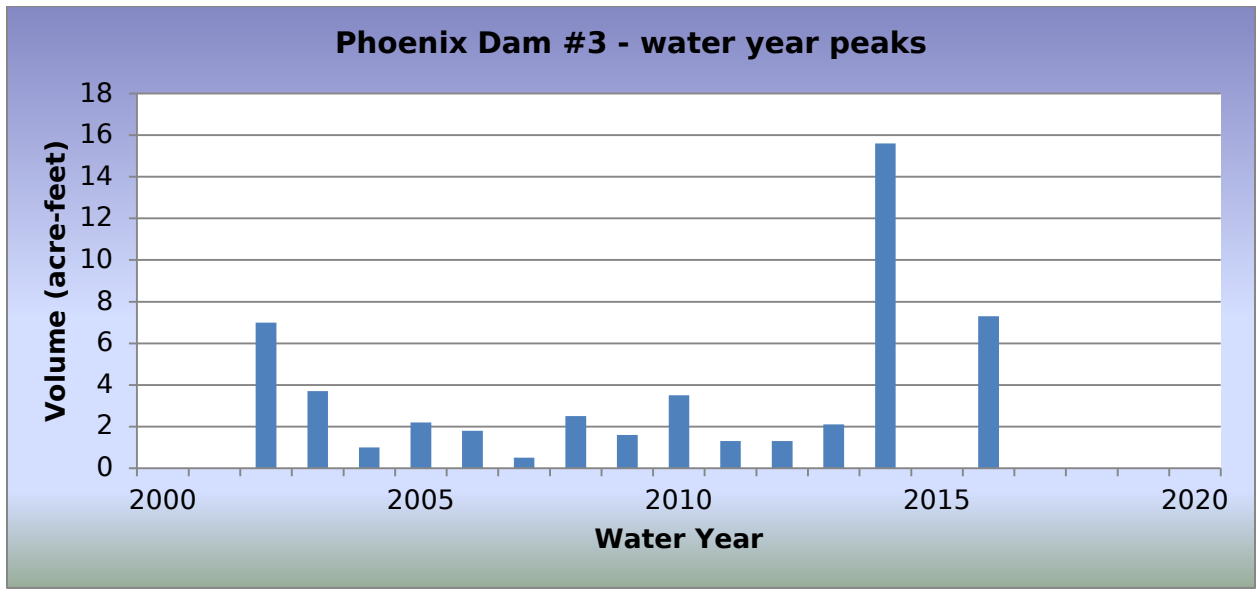
Phoenix Dam #3, ID #4828



Site Data

LOCATION	In the Sunnyslope area of Phoenix, east of Cave Creek Road
DRAINAGE AREA	0.5 mi ²
STREAM TYPE	Dam of Natural Drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S22 T3N R3E
LATITUDE	N 33° 35' 11.6" +33.58656
LONGITUDE	W 112° 02' 48.4" -112.04678
STREAMGAGE INSTALLATION DATE	12/18/2001 - WY 2002
AVAILABLE PERIOD OF RECORD	12/18/2001 - Current
LENGTH OF AVAILABLE POR DATA	14.79 Years 5,401 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.65 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,356.00 feet M.S.L.
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

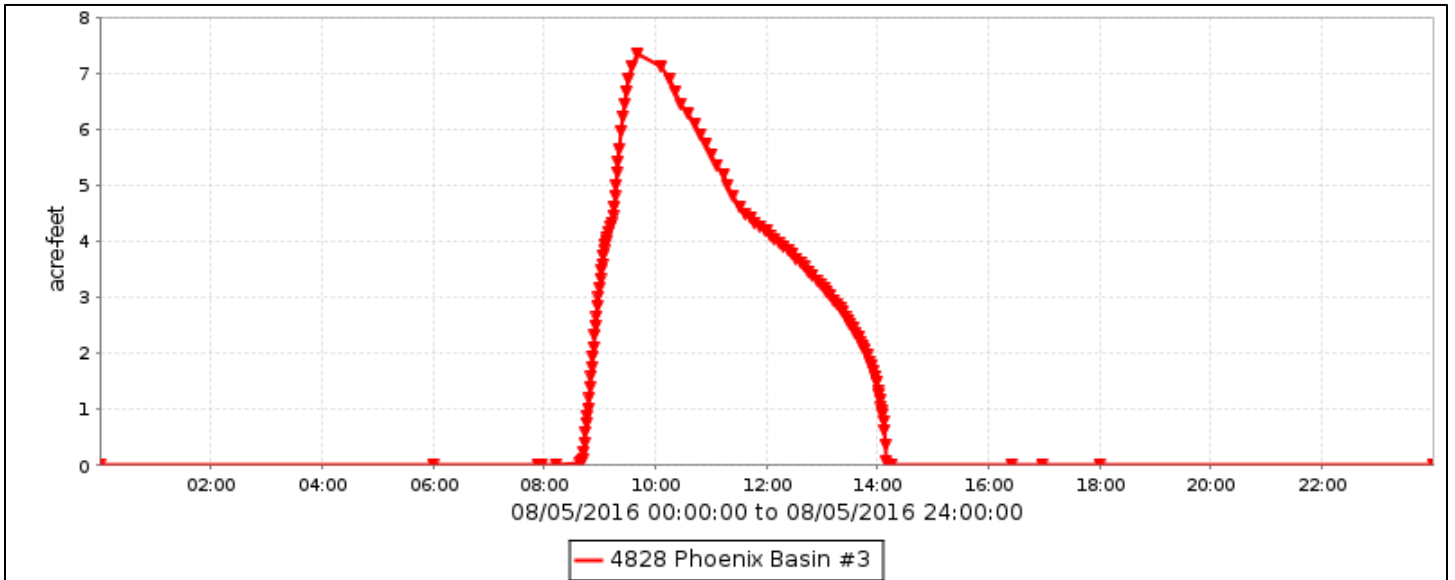
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/05/2016	10.47	7.3	7.5
08/22/2016	2.67	0.6	0.9

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Phoenix Dam #3, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5											10				
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30					---										
31		---			---		---		---			---			
TOTAL	0	0	0	0	0	0	0	0	0	0	11	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	51	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	21	0			
WTR YR 2016	TOTAL		11	MEAN		0	MAX		51	MIN		0	AC_FT		21

Phoenix Dam #3, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											1	
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	7	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	7	MIN	0					

Phoenix Dam #3, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	2.4	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	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	0.7	10.5	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 2016	MEAN	0.65	MAX	10.47	MIN	0.65						

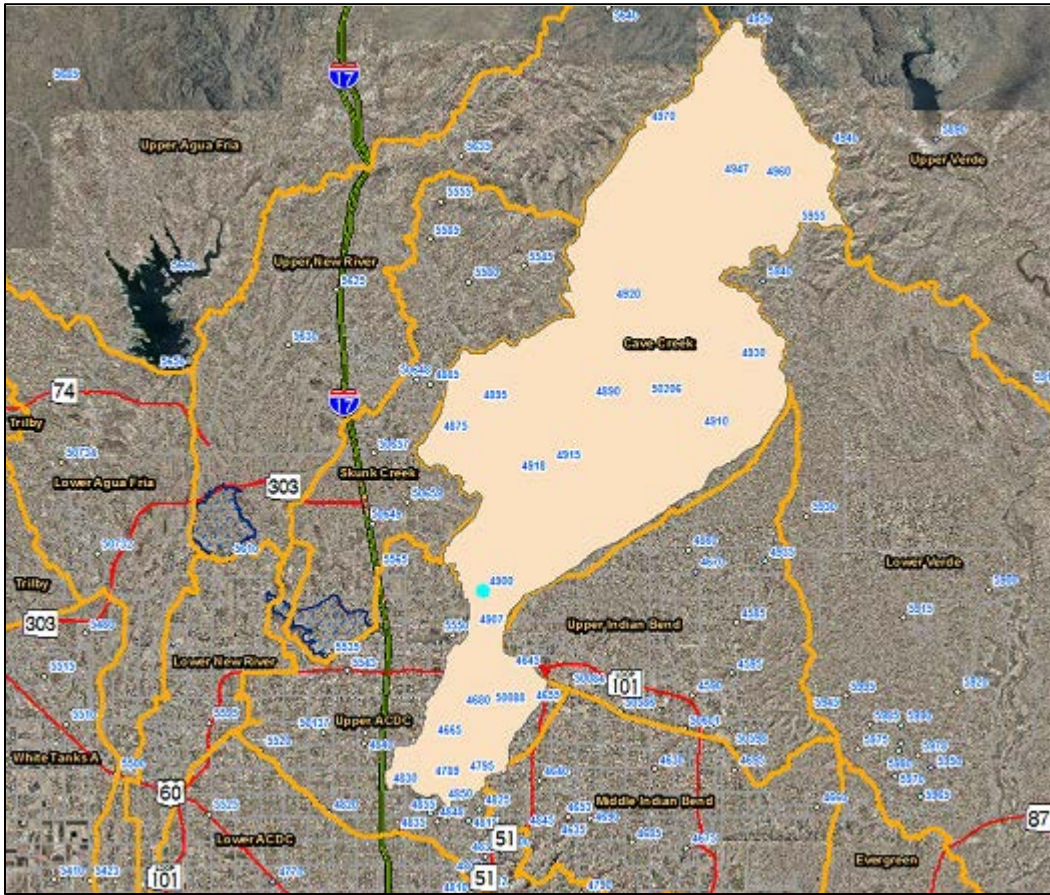
Cave Creek at Cactus Road – ID #4833



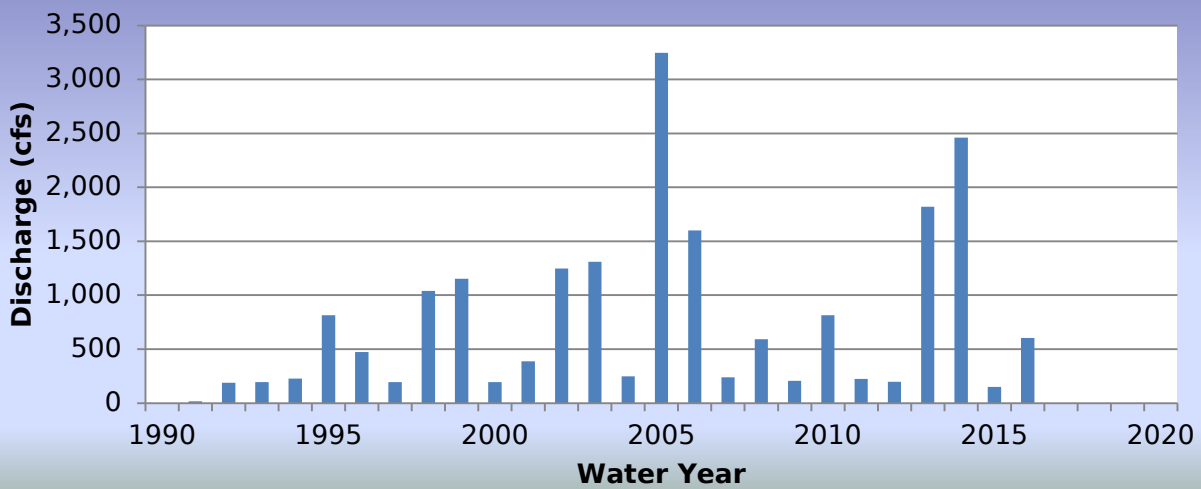
Site Data

LOCATION	Near Cactus Road and 25th Avenue
DRAINAGE AREA	33.6 mi ² below Cave Buttes Dam
STREAM TYPE	Basin / Outlet / Weir
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S13 T3N R2E
LATITUDE	N 33° 35' 58.9" +33.59969
LONGITUDE	W 112° 06' 43.2" -112.11201
STREAMGAGE INSTALLATION DATE	06/27/1991 - WY 1991
AVAILABLE PERIOD OF RECORD	06/27/1991 - Current
LENGTH OF AVAILABLE POR DATA	25.26 Years 9,228 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.80 feet Gage Height
STAFF GAGES	2
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,247 cfs 12.85 feet 08/03/2005

Watershed Map



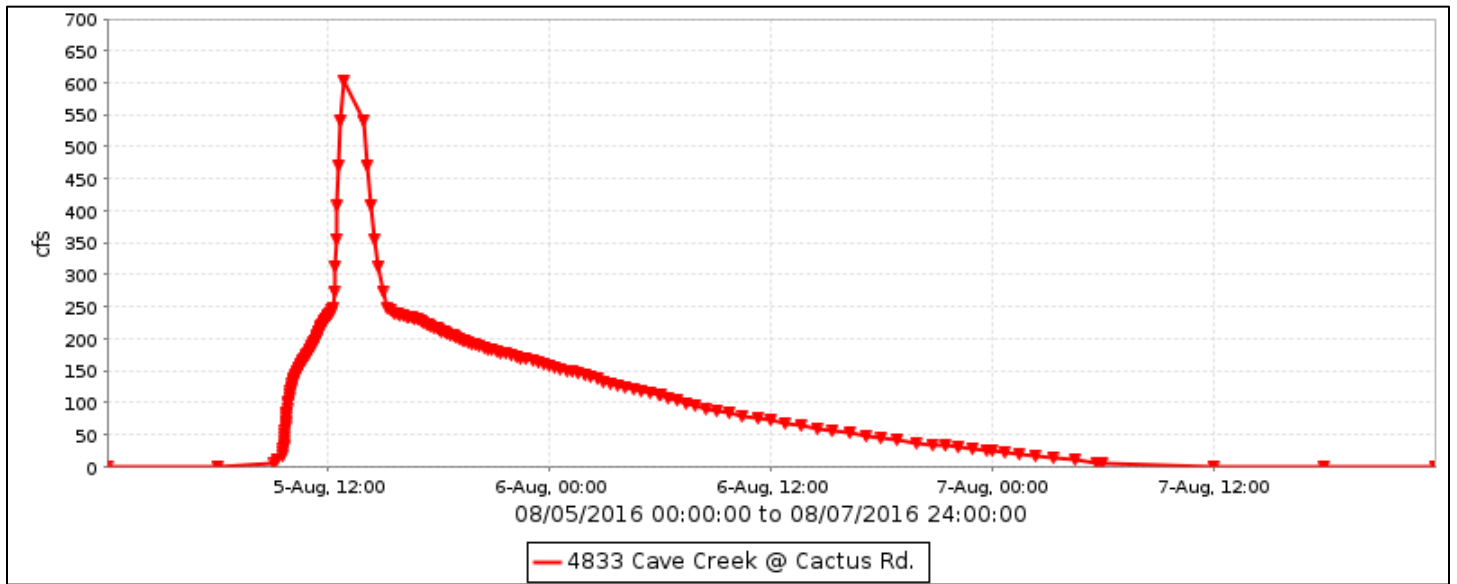
Cave Creek at Cactus - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/06/2016	4.26	123
01/07/2016	4.61	133
04/10/2016	2.79	66
08/05/2016	10.67	603
08/22/2016	2.27	45

Hydrograph of peak WY 2016 flow event, 08/05/2016



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
497	1,130	1,750	2,550	3,910	5,230

Cave Creek at Cactus Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											150	
6				53							80	
7				60							5	
8				43								
9												
10							15					
11							4					
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22											8	
23											11	
24												
25												
26												
27												
28												
29												
30						---						
31		---				---		---		---		---
TOTAL	0	0	0	156	0	0	18	0	0	0	255	0
MEAN	0	0	0	5	0	0	1	0	0	0	8	0
MAX	0	0	0	133	0	0	66	0	0	0	603	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	309	0	0	36	0	0	0	506	0
WTR YR 2016	TOTAL	429	MEAN	1	MAX	603	MIN	0	AC_FT	852		

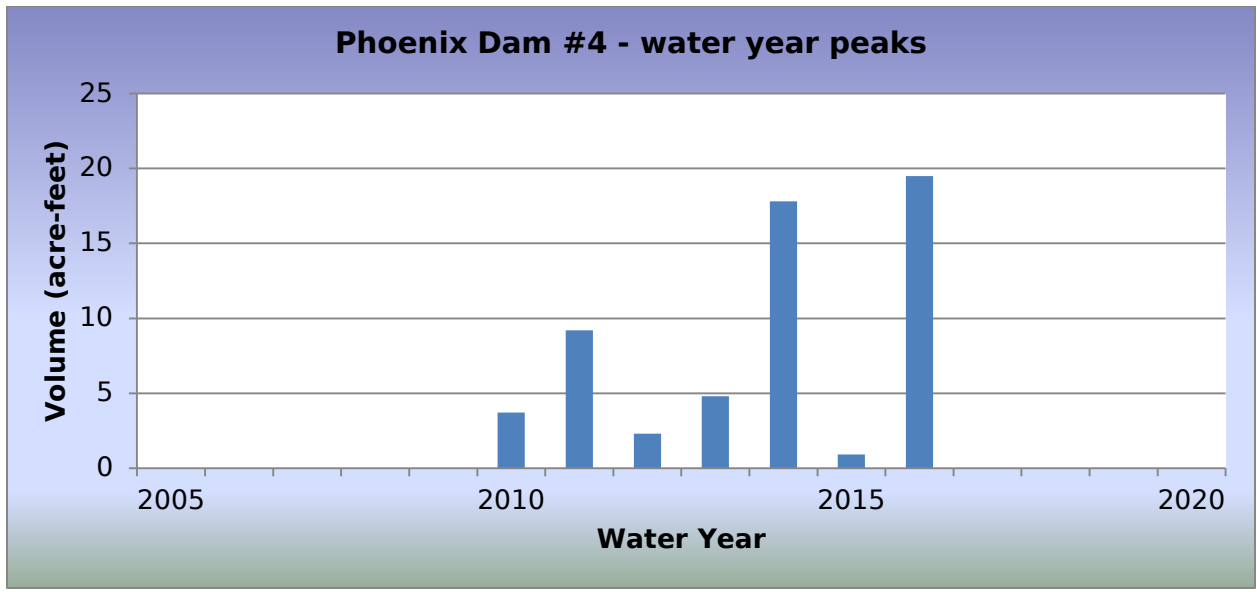
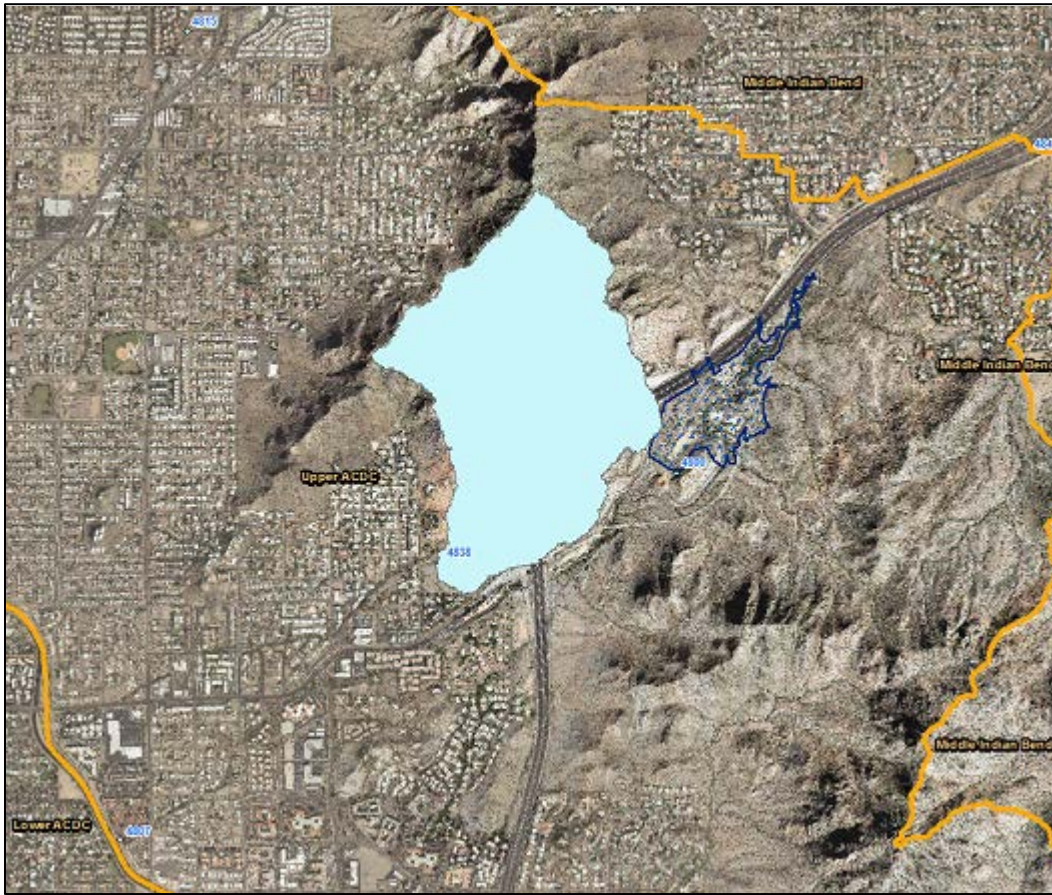
Phoenix Dam #4, ID #4838



Site Data

LOCATION	East of 18th Street north of Northern Avenue
DRAINAGE AREA	0.60 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S34 T3N R3E
LATITUDE	N 33° 33' 30.9" +33.55857
LONGITUDE	W 112° 02' 33.8" -112.04272
STREAMGAGE INSTALLATION DATE	07/06/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	07/06/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.24 Years 2,644 Days
GAPS (> 2 DAYS) IN RECORD	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

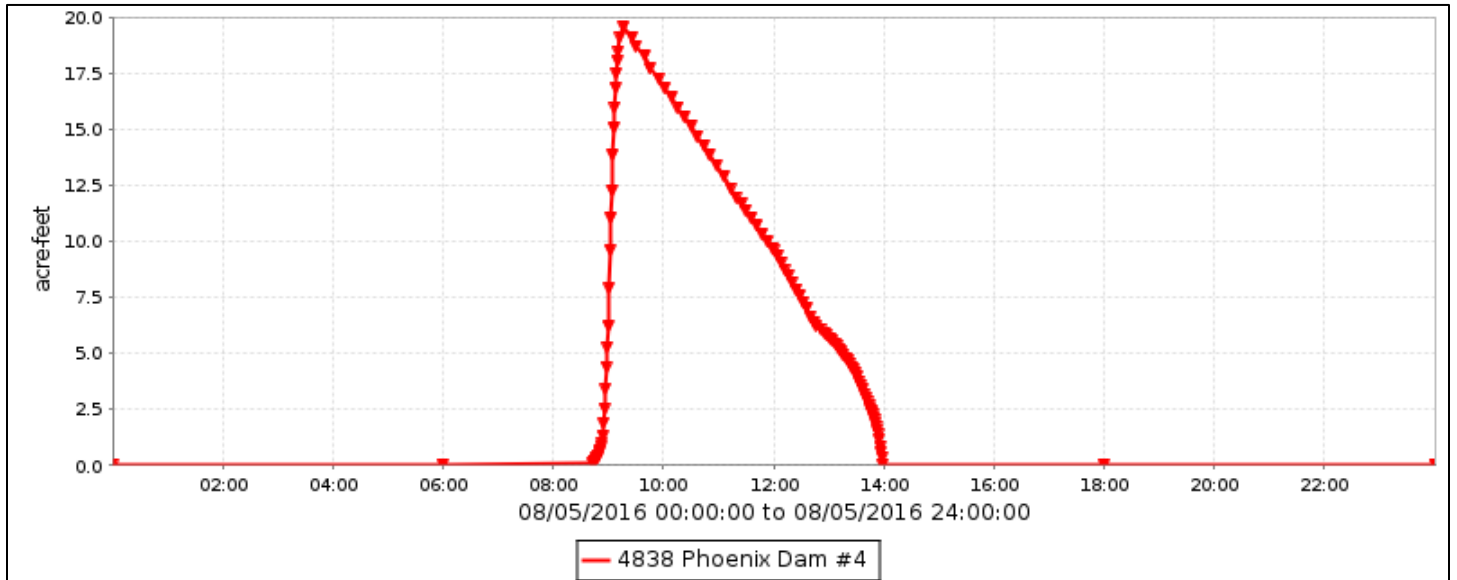
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
04/10/2016	1.76	0.4	1.0
08/05/2016	11.75	19.5	45.5

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Phoenix Dam #4, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5											6				
6															
7															
8															
9															
10															
11															
12															
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	6	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	0	0	0	10	0	0	11	0	0	0	30	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	11	0			
WTR YR 2016	TOTAL		6	MEAN		0	MAX		30	MIN		0	AC_FT		12

Phoenix Dam #4, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											2	
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	20	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	0	MAX	20	MIN	0						

Phoenix Dam #4, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	2.0	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
MAX	0.1	0.1	0.1	1.5	0.1	0.1	1.8	0.1	0.1	0.1	11.8	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 2016	MEAN	0.11	MAX	11.75	MIN	0.10						

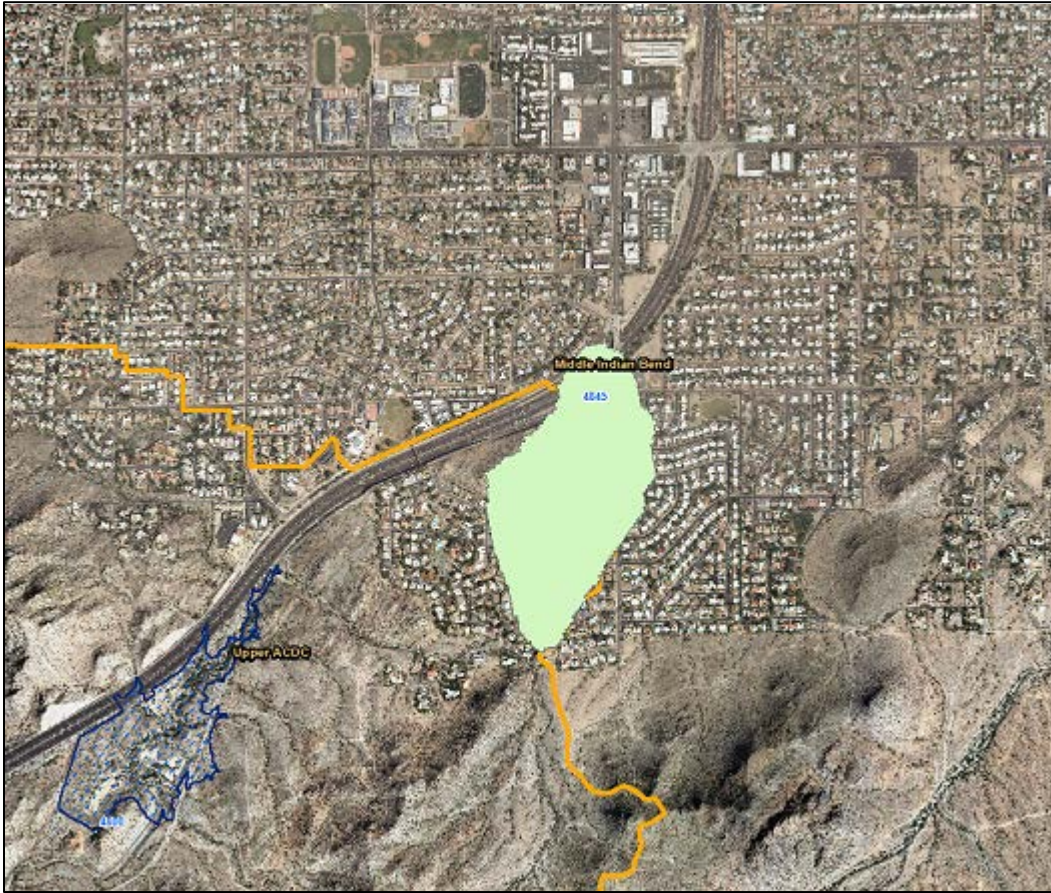
Phoenix Dam #99, ID #4843



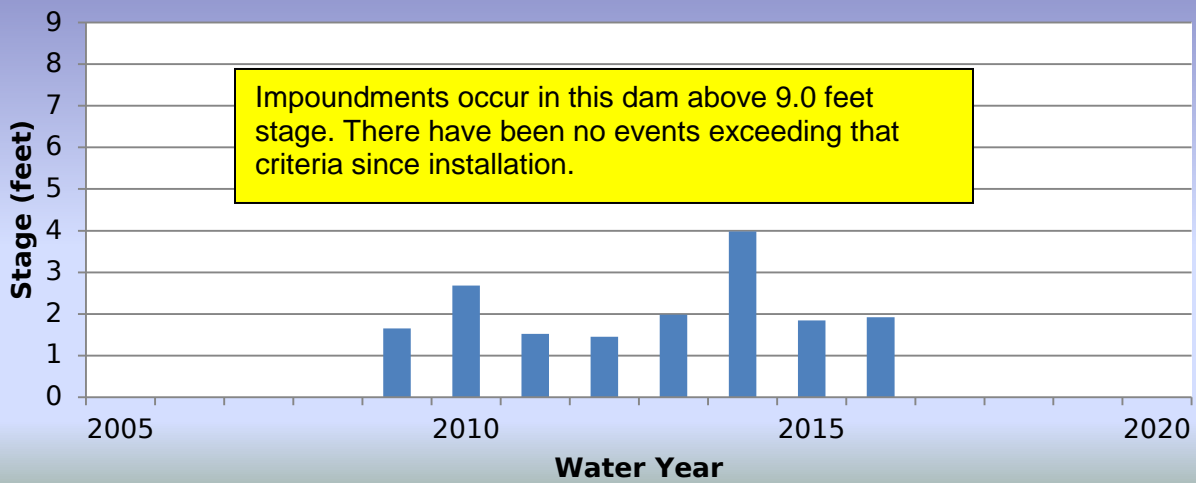
Site Data

LOCATION	Near SR 51 and 32nd Street
DRAINAGE AREA	0.13 mi ²
STREAM TYPE	Dam of natural and local drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S26 T3N R3E
LATITUDE	N 33° 34' 29.1" +33.57476
LONGITUDE	W 112° 00' 51.4" -112.01428
STREAMGAGE INSTALLATION DATE	07/07/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	07/07/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.24 Years 2,643 Days
GAPS (> 2 DAYS) IN RECORD	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



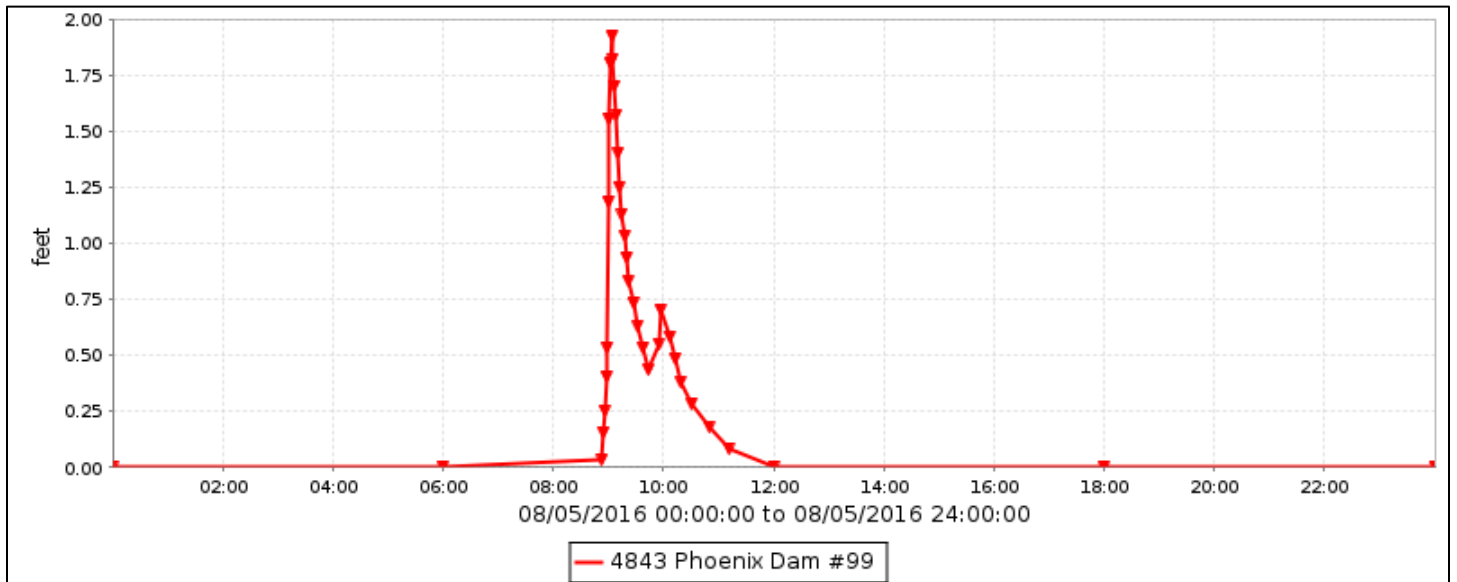
Phoenix Dam #99 - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/18/2015	1.39	0.0	0.0
01/06/2016	1.24	0.0	0.0
01/07/2016	0.79	0.0	0.0
04/10/2016	0.46	0.0	0.0
08/05/2016	1.92	0.0	0.0
08/11/2016	0.70	0.0	0.0
08/23/2016	0.78	0.0	0.0

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Phoenix Dam #99, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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	1	0	0	0	0	0	0	1	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	6	0	0	5	0	0	2	0	0	0	8	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	0	1	0	0	1	0	0	0	1	0			
WTR YR 2016	TOTAL		2	MEAN		0	MAX		8	MIN		0	AC_FT		3

Phoenix Dam #99, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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 2016	MEAN		0	MAX	0	MIN	0					

Phoenix Dam #99, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.1	0.0
6	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.1	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	0.1	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	1.4	0.0	0.0	1.2	0.0	0.0	0.5	0.0	0.0	0.0	1.9	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WTR YR 2016	MEAN	0.00	MAX	1.92	MIN	0.00						

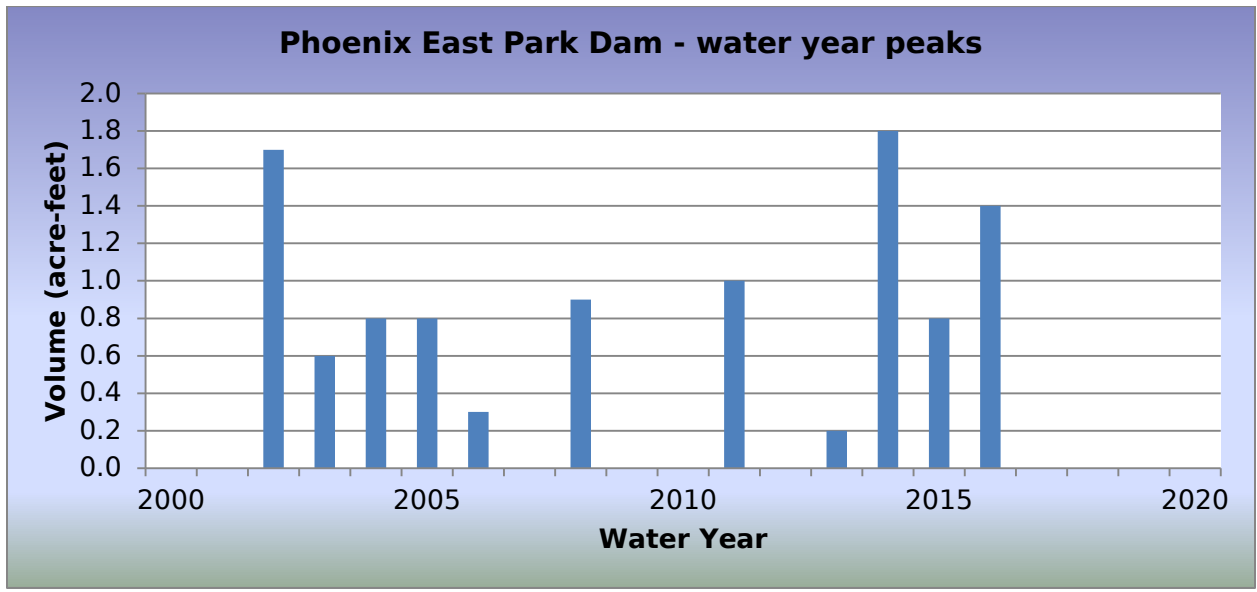
Phoenix East Park Dam, ID #4848



Site Data

LOCATION	Near Peoria and Seventh Avenues
DRAINAGE AREA	0.11 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S29 T3N R3E
LATITUDE	N 33° 34' 45.2" +33.57923
LONGITUDE	W 112° 04' 36.3" -112.07676
STREAMGAGE INSTALLATION DATE	11/28/2001 - WY 2002
AVAILABLE PERIOD OF RECORD	11/28/2001 - Current
LENGTH OF AVAILABLE POR DATA	14.84 Years 5,421 Days
GAPS (> 2 DAYS) IN RECORD	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

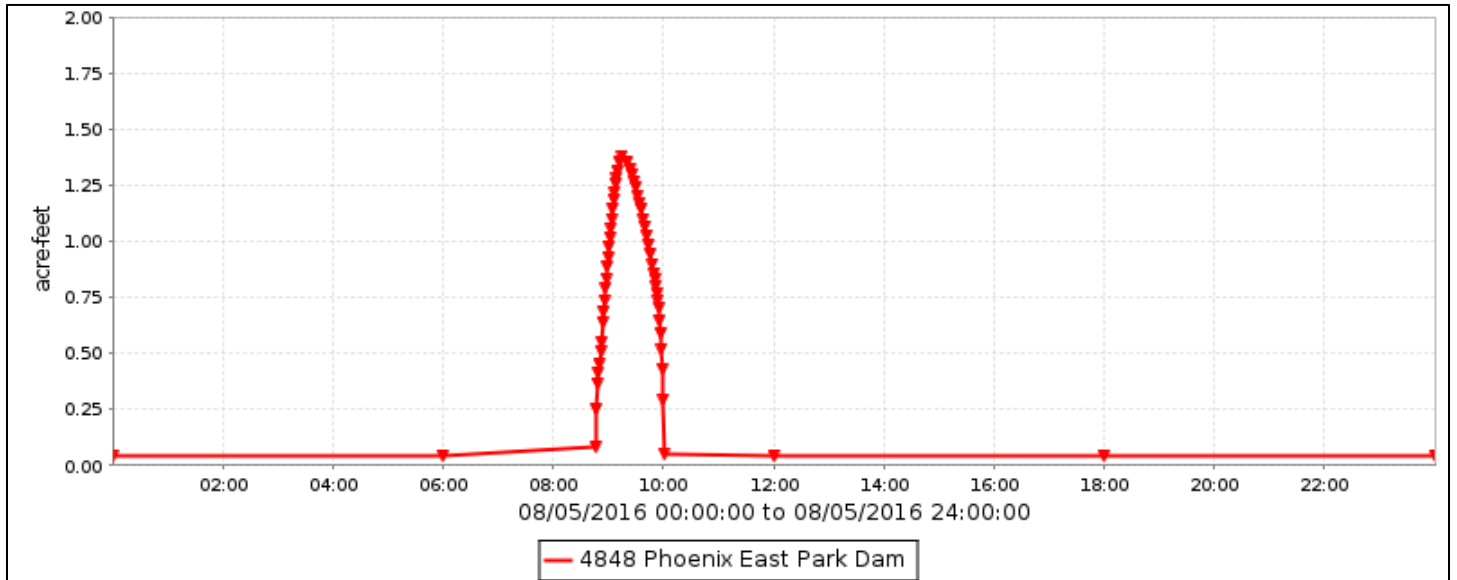
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/05/2016	4.22	1.4	6.6
08/22/2016	2.35	0.9	4.1

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Phoenix East Park Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											2	
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22											1	
23												
24												
25												
26												
27												
28												
29						---						
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	1	10	10	10	10	10	7
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	33	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	1	19	21	20	20	20	13
WTR YR 2016	TOTAL	58	MEAN	0	MAX	33	MIN	0	AC_FT	115		

Phoenix East Park Dam, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

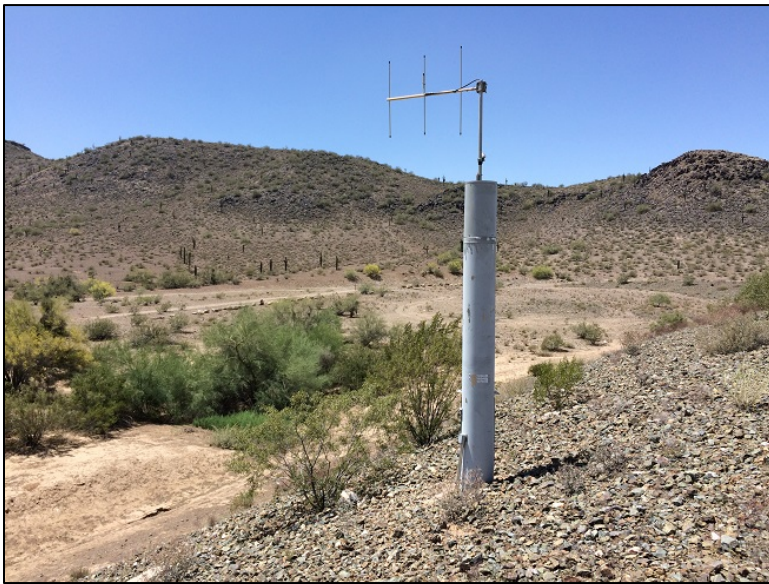
DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
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24												
25												
26												
27												
28												
29						---						
30					---							
31		---			---		---		---			---
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 2016	MEAN	0	MAX	1	MIN	0						

Phoenix East Park Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.2	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	4.2	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 2016	MEAN	0.10	MAX	4.22	MIN	0.10						

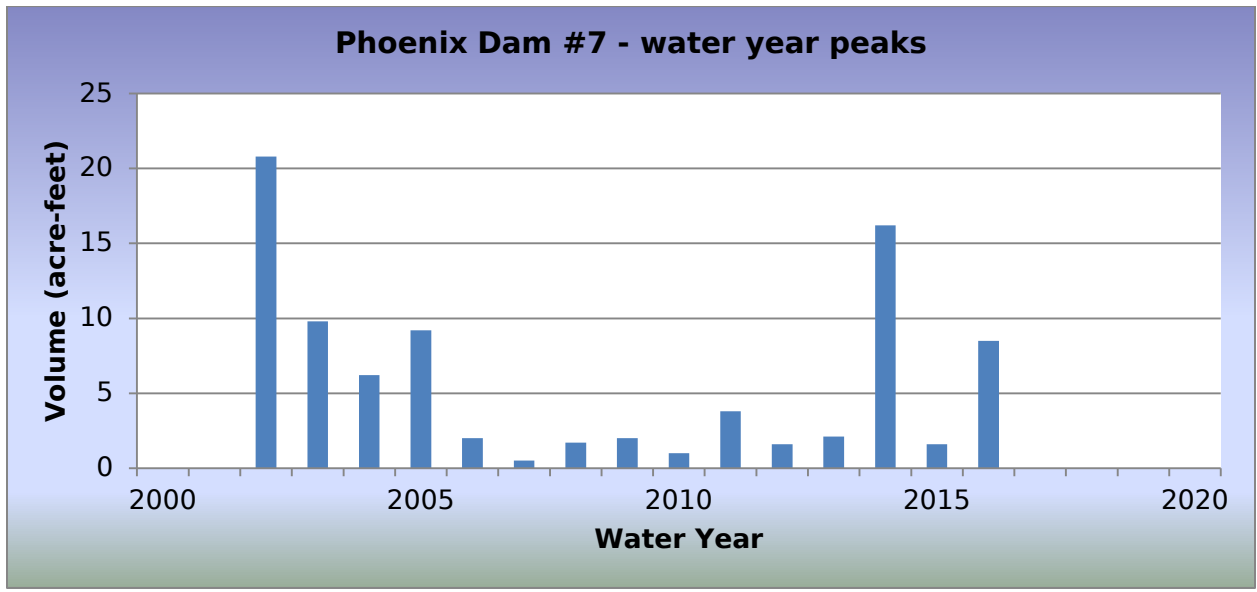
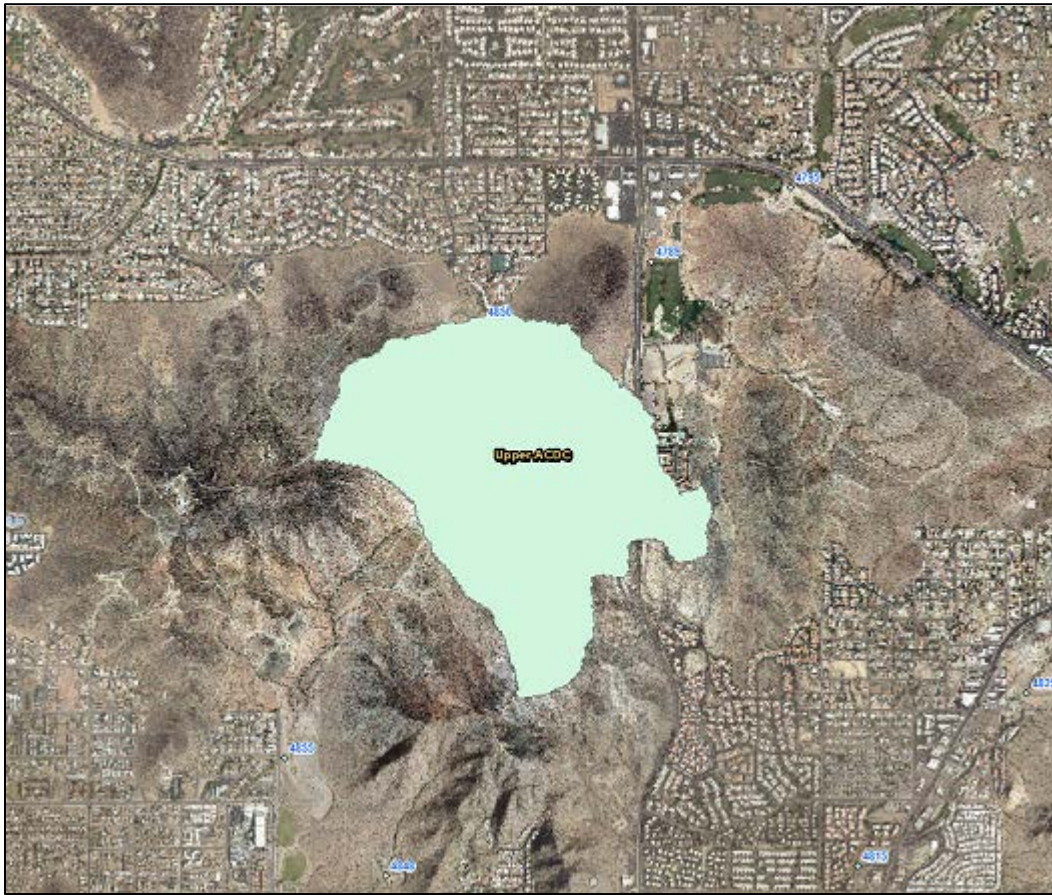
Phoenix Dam #7, ID #4853



Site Data

LOCATION	Located on the north side of North Mountain
DRAINAGE AREA	0.60 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S17 T3N R3E
LATITUDE	N 33° 36' 04.4" +33.60123
LONGITUDE	W 112° 04' 21.5" -112.07264
STREAMGAGE INSTALLATION DATE	12/19/2001 - WY 2002
AVAILABLE PERIOD OF RECORD	12/19/2001 - Current
LENGTH OF AVAILABLE POR DATA	14.78 Years 5,400 Days
GAPS (> 2 DAYS) IN RECORD	01/30/2009 -- 05/11/2009
STAGE GAGE ELEVATION	0.17 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,369.00 feet M.S.L.
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

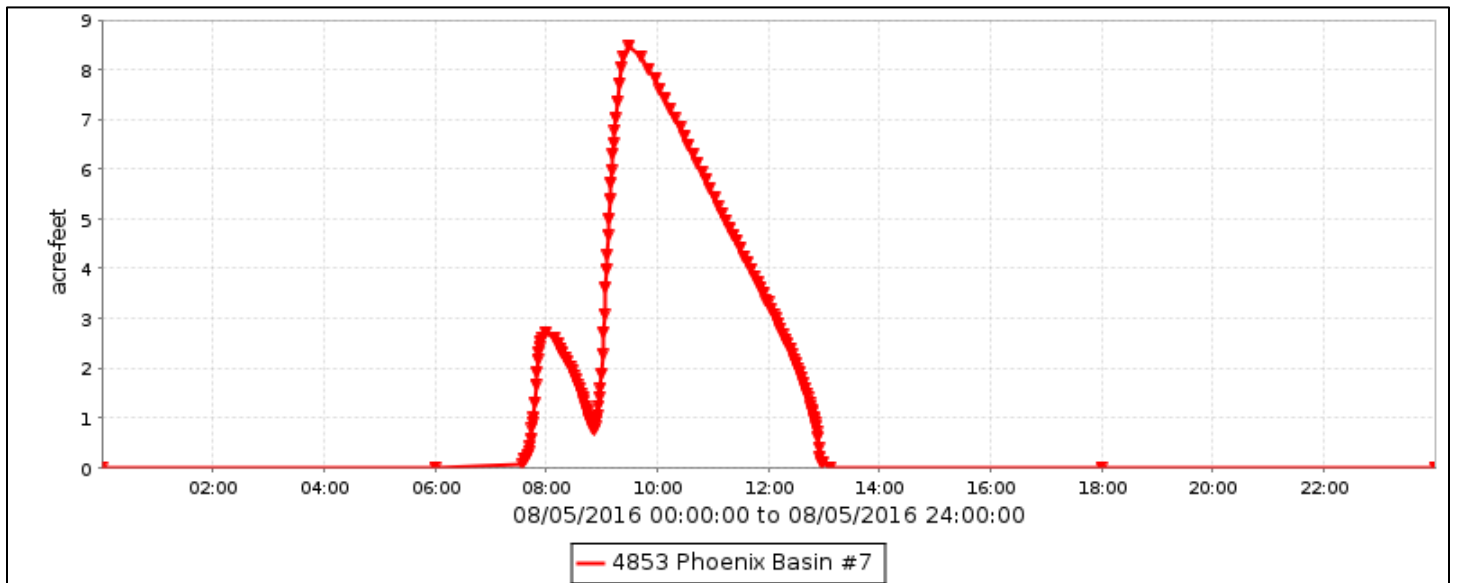
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/06/2016	4.05	1.0	0.9
08/05/2016	10.31	8.5	11.9
08/22/2016	8.86	5.7	8.4
08/23/2016	4.05	1.0	0.9

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Phoenix Dam #7, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											9	
6				1								
7												
8												
9												
10												
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12												
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18												
19												
20												
21												
22											5	
23											2	
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	1	0	0	0	0	0	0	16	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	32	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	2	0	0	0	0	0	0	33	0
WTR YR 2016	TOTAL	17	MEAN	0	MAX	48	MIN	0	AC_FT	35		

Phoenix Dam #7, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											1	
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	1	0	0	0	0	0	0	8	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	8	MIN	0					

Phoenix Dam #7, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	1.7	0.2
6	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	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	1.0	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	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	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	4.0	0.2	0.2	0.2	0.2	0.2	0.2	10.3	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 2016	MEAN	0.18	MAX	10.31	MIN	0.17						

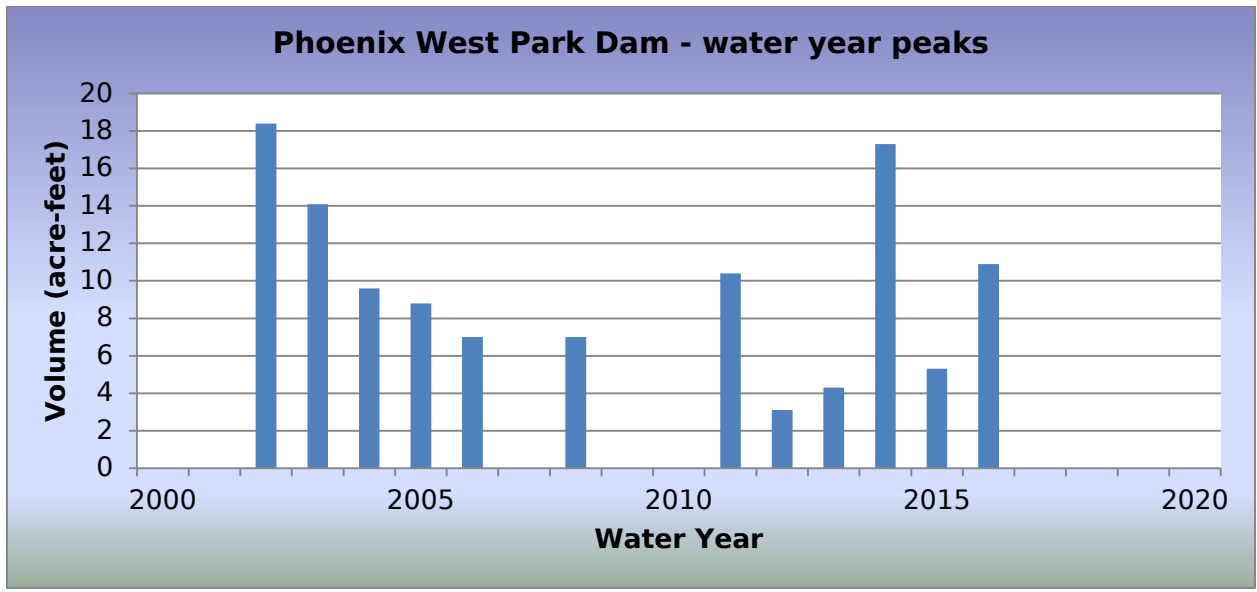
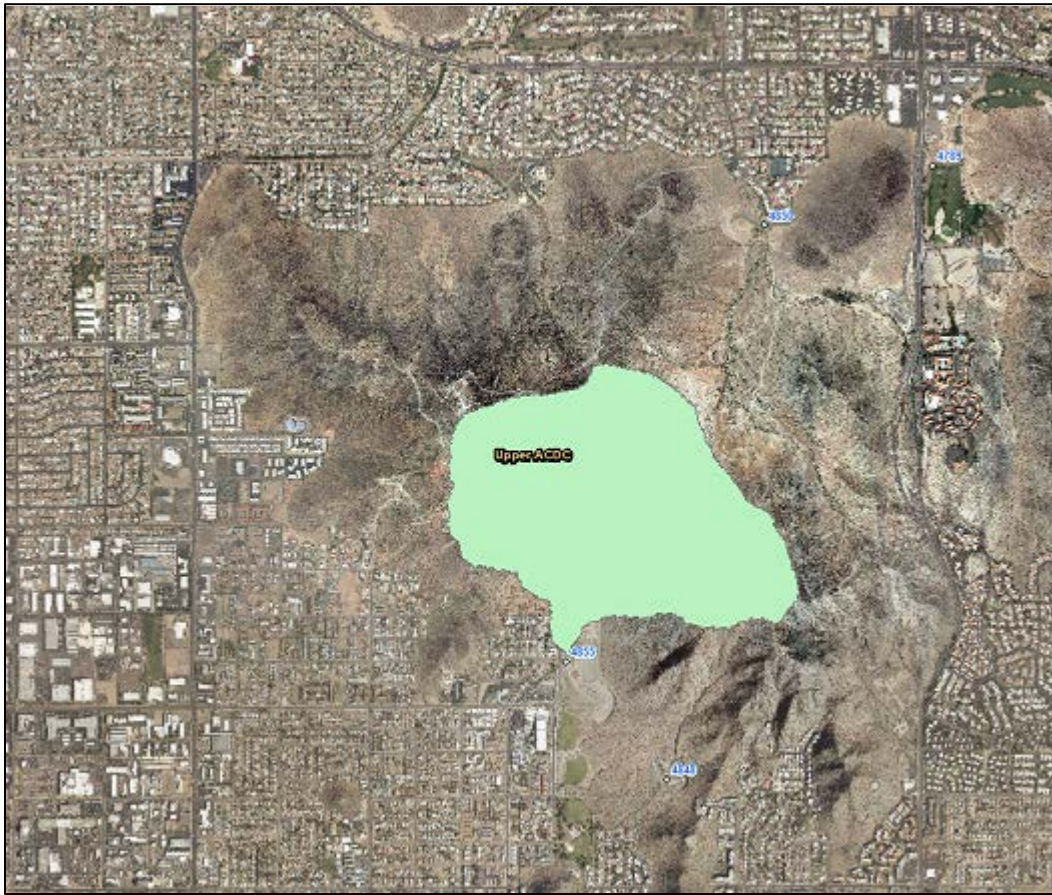
Phoenix West Park Dam, ID #4858



Site Data

LOCATION	Near Peoria and Seventh Avenues
DRAINAGE AREA	0.62 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S22 T3N R3E
LATITUDE	N 33° 35' 02.8" +33.58412
LONGITUDE	W 112° 04' 55.0" -112.08195
STREAMGAGE INSTALLATION DATE	11/29/2001 - WY 2002
AVAILABLE PERIOD OF RECORD	11/29/2001 - Current
LENGTH OF AVAILABLE POR DATA	14.84 Years 5,420 Days
GAPS (> 2 DAYS) IN RECORD	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

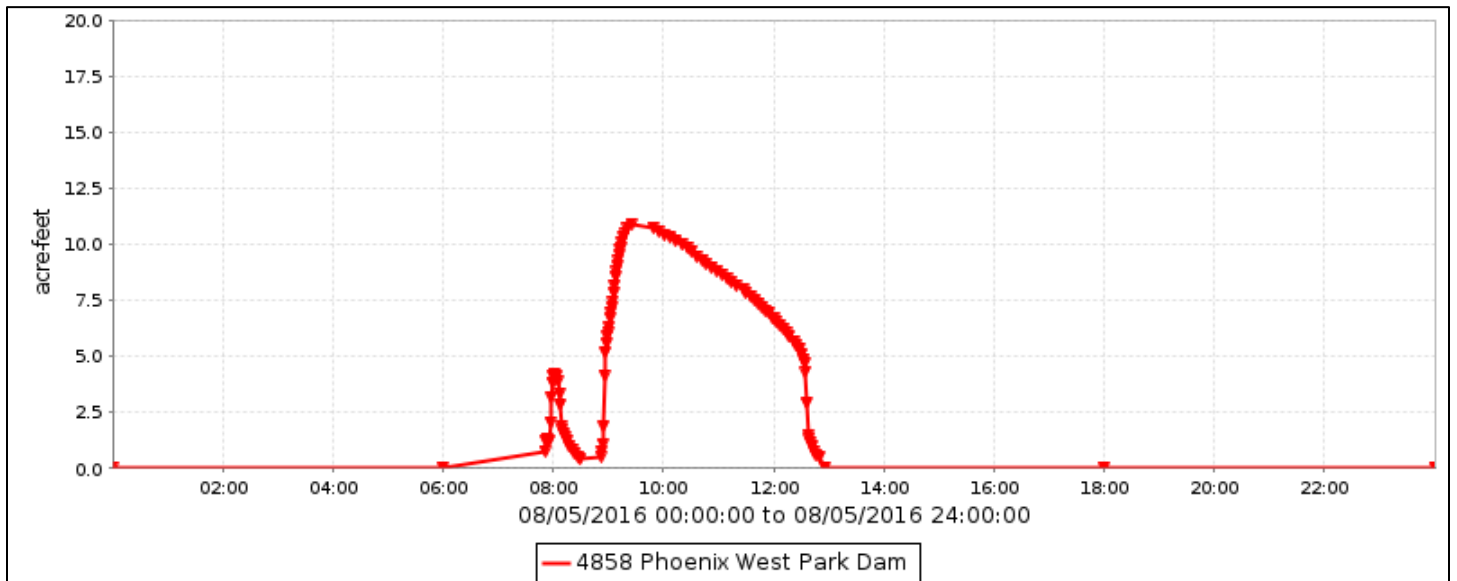
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/06/2016	1.35	2.0	1.8
01/07/2016	1.22	1.8	1.7
08/05/2016	7.21	10.9	9.6
08/22/2016	6.54	9.9	8.7
08/23/2016	4.39	6.6	5.9

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Phoenix West Park Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											6	
6				1								
7				1								
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22											5	
23											1	
24												
25												
26												
27												
28												
29												
30												
31		---			---		---		---			---
TOTAL	0	0	0	2	0	0	0	0	0	0	12	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	8	0	0	0	0	0	0	46	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	3	0	0	0	0	0	0	24	0
WTR YR 2016	TOTAL	14	MEAN	0	MAX	46	MIN	0	AC_FT	28		

Phoenix West Park Dam, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											1	
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22											1	
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	2	0	0	0	0	0	0	11	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	11	MIN		0				

Phoenix West Park Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	1.1	0.2
6	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.4	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	0.8	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	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	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	1.4	0.2	0.2	0.2	0.2	0.2	0.2	7.2	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 2016	MEAN	0.21	MAX	7.21	MIN	0.20						

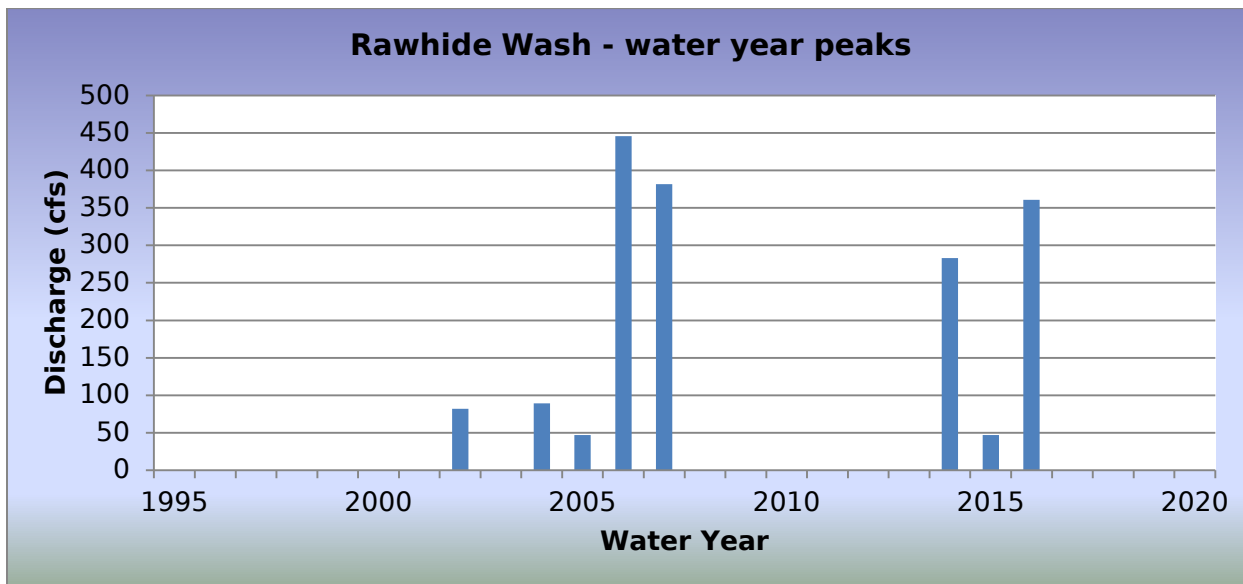
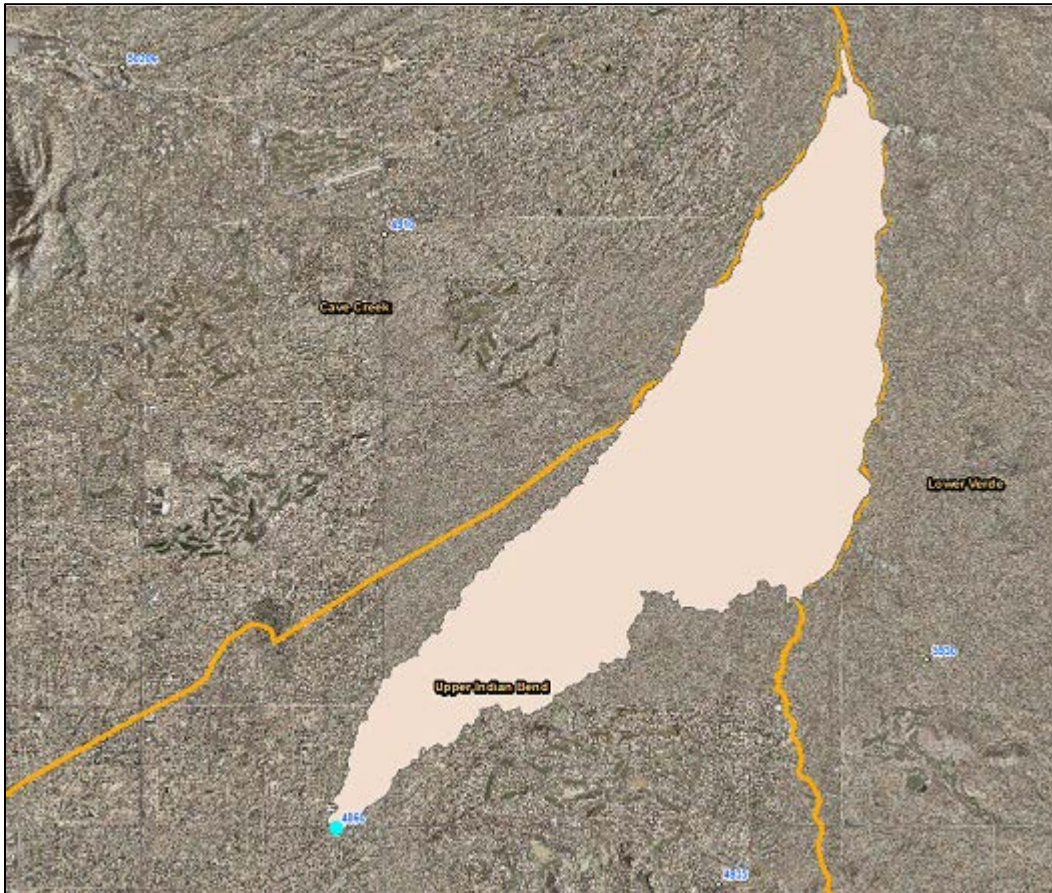
Rawhide Wash, ID #4863



Site Data

LOCATION	On Dynamite Boulevard about 1/4 mile west of Pima Road
DRAINAGE AREA	9.2 mi ²
STREAM TYPE	Natural stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S36 T5N R4E
LATITUDE	N 33° 44' 28.1" +33.74115
LONGITUDE	W 111° 53' 53.3" -111.89814
STREAMGAGE INSTALLATION DATE	07/27/1999 - WY 1999
AVAILABLE PERIOD OF RECORD	07/27/1999 - Current
LENGTH OF AVAILABLE POR DATA	17.18 Years 6,276 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.52 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	446 cfs 2.07 feet 09/09/2006

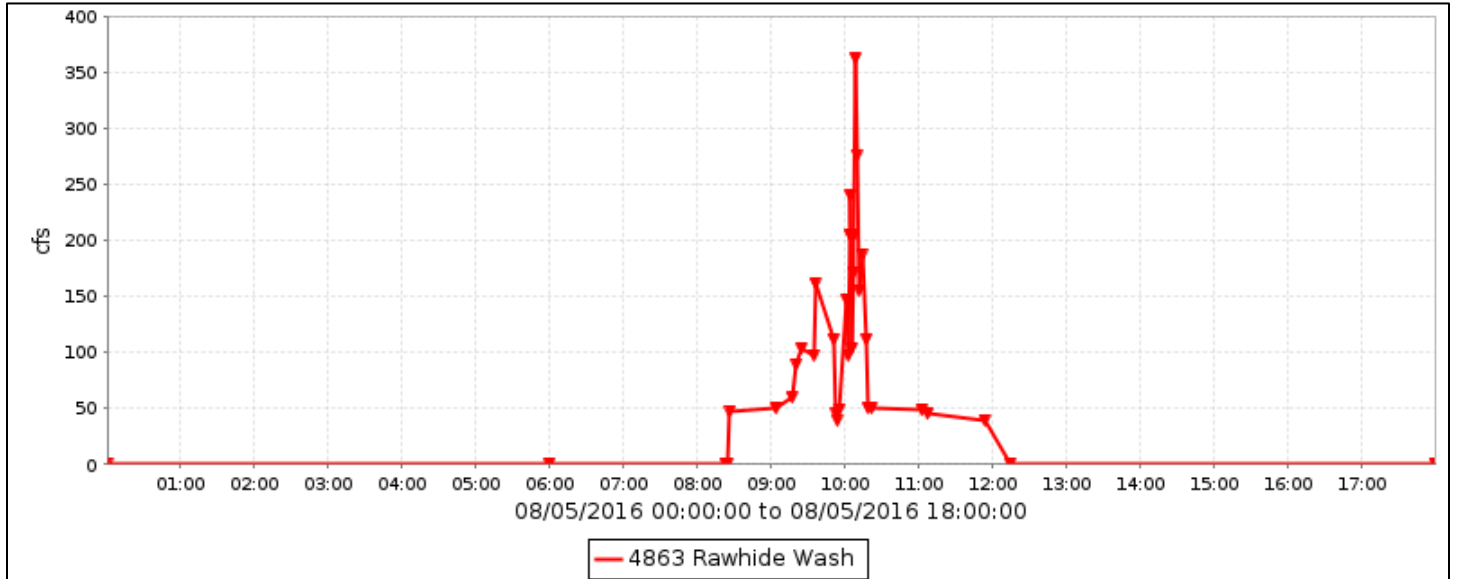
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/05/2016	1.87	361

Hydrograph of peak WY 2016 flow event, 08/05/2016



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---				
2												
3								---				
4				13				38	---			
5								34			11	
6								---				
7								---				
8								---				
9								38				
10								39	---			
11								38	---			
12								36	---			
13								36	---			
14								36				
15								34				
16								40				
17								37				
18								39				
19								36				
20								36				
21								36				
22								---	---			
23								40	---			
24								32	---			
25								38				
26												
27								36				
28								---				
29									---			
30								---	---			
31		---						---		---		---
TOTAL	0	0	0	13	0	0	0	917	0	0	11	0
MEAN	0	0	0	0	0	0	0	31	0	0	0	0
MAX	0	0	0	52	0	0	0	40	0	0	361	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	26	0	0	0	1820	0	0	22	0
WTR YR 2016	TOTAL	941	MEAN	3	MAX	361	MIN	0	AC_FT	1867		

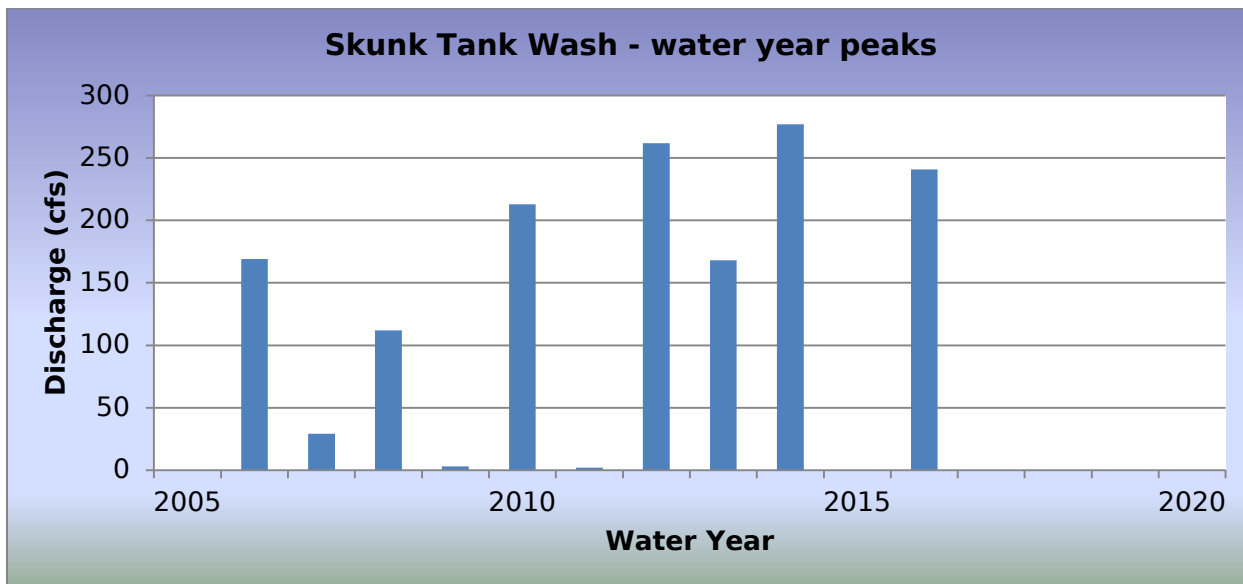
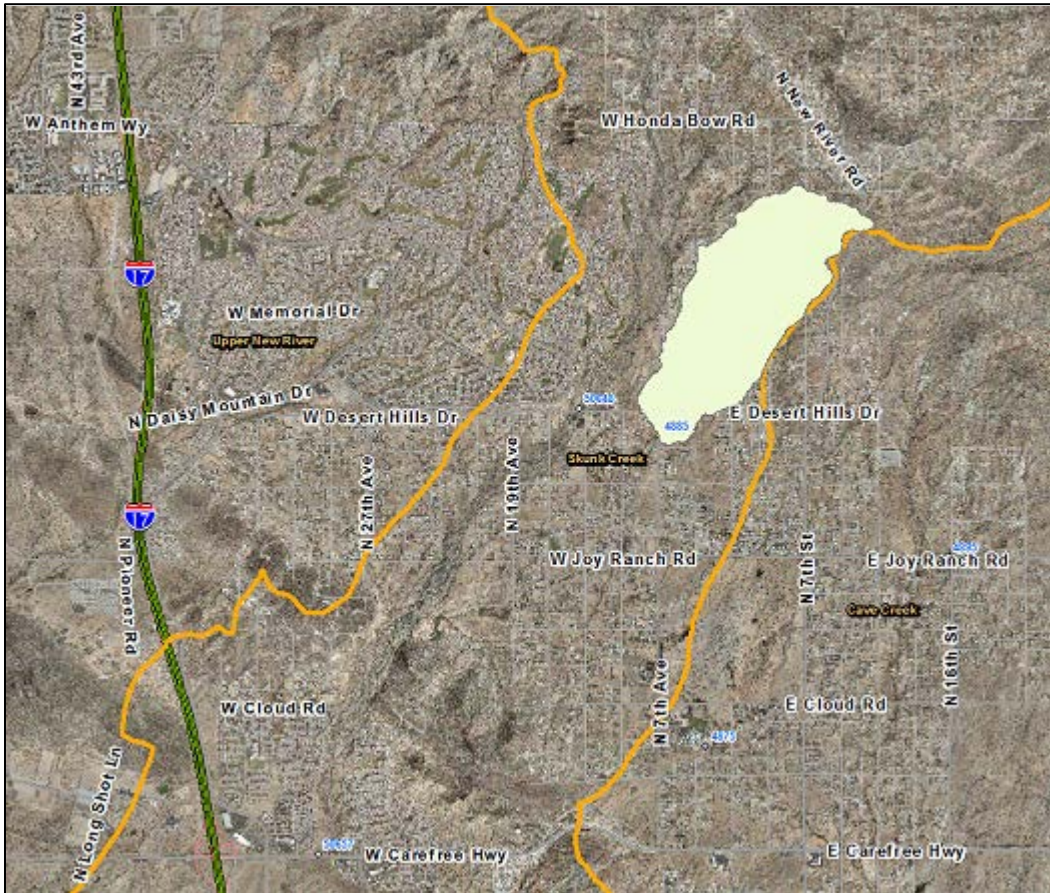
Skunk Tank Wash, ID #4888



Site Data

LOCATION	Located on 7th Avenue about 1/4 mile south of Desert Hills Drive
DRAINAGE AREA	1.5 mi ²
STREAM TYPE	Culvert on natural stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S29 T6N R3E
LATITUDE	N 33° 50' 23.8" +33.83995
LONGITUDE	W 112° 04' 57.8" -112.08271
STREAMGAGE INSTALLATION DATE	03/02/2006 - WY 2006
AVAILABLE PERIOD OF RECORD	03/02/2006 - Current
LENGTH OF AVAILABLE POR DATA	10.58 Years 3,866 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	277 cfs 7.20 feet 08/19/2014

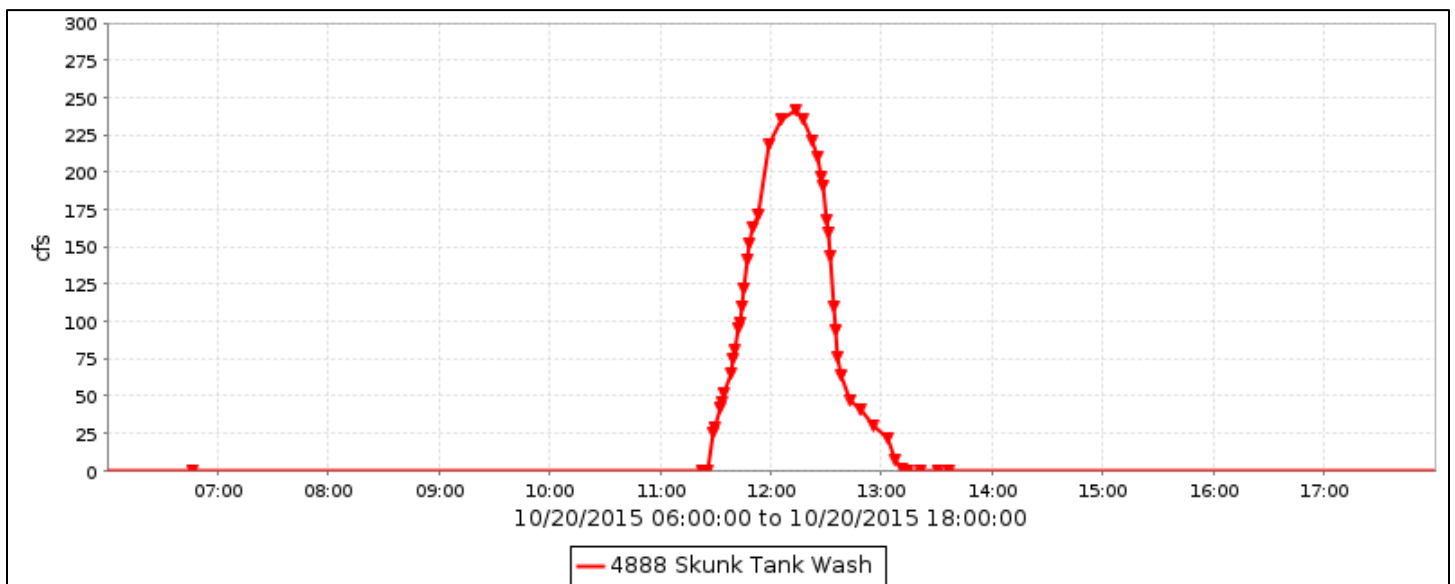
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	1.70	29
10/20/2015	6.60	241
10/21/2015	3.00	68
01/06/2016	2.17	44
08/02/2016	4.96	150
08/20/2016	3.34	79
08/22/2016	2.70	59

Hydrograph of peak WY 2016 flow event, 10/20/2015



Flood Flow Frequency

Flood Flow Frequency N=11, HEC-WRC computation (based on 11 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
57	289	623	1,130	2,110	3,140

Skunk Tank Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2											4		
3													
4												---	
5												---	
6	1			4							---		
7											---		
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20	9										2		
21	1												
22													
23													
24													
25													
26									---				
27									---		2		
28													
29													
30					---								
31		---			---		---		---			---	
TOTAL	10	0	0	4	0	0	0	0	0	0	8	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	
MAX	241	0	0	44	0	0	0	0	0	0	150	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	21	0	0	7	0	0	0	0	0	0	15	0	
WTR YR 2016	TOTAL		22	MEAN		0	MAX	241	MIN		0	AC_FT	43

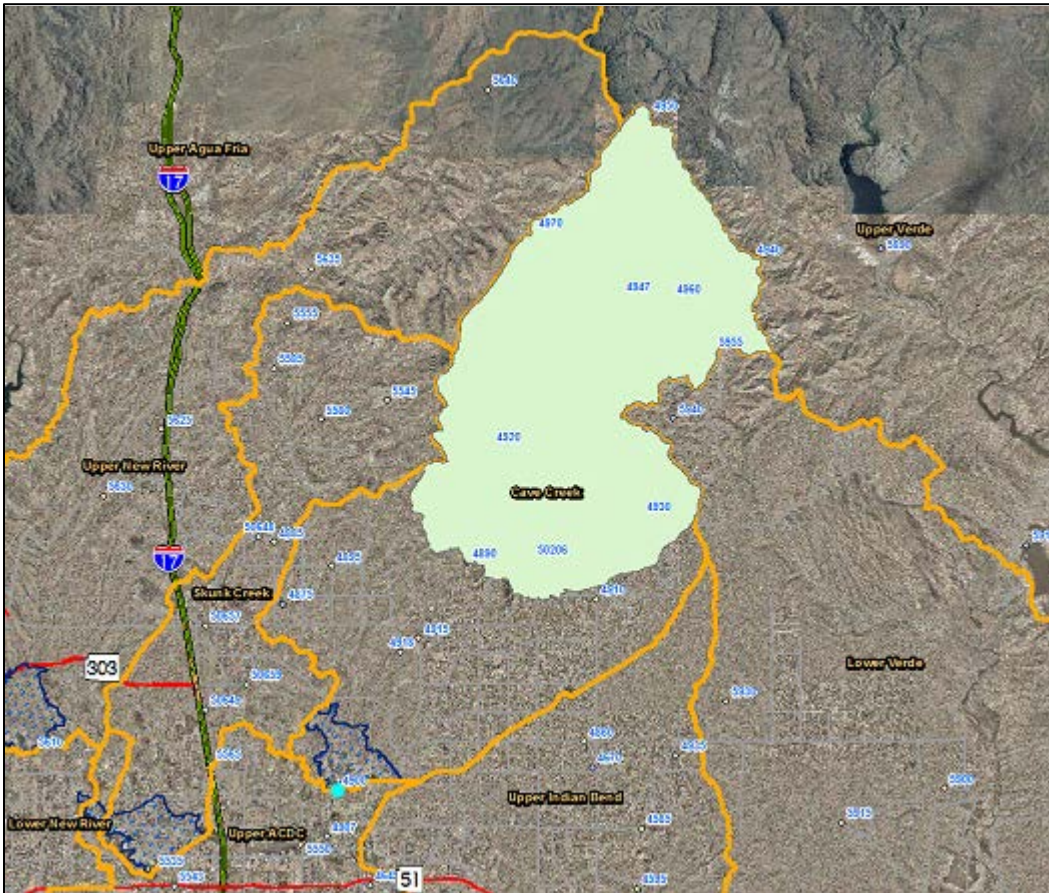
Cave Creek, ID #4893



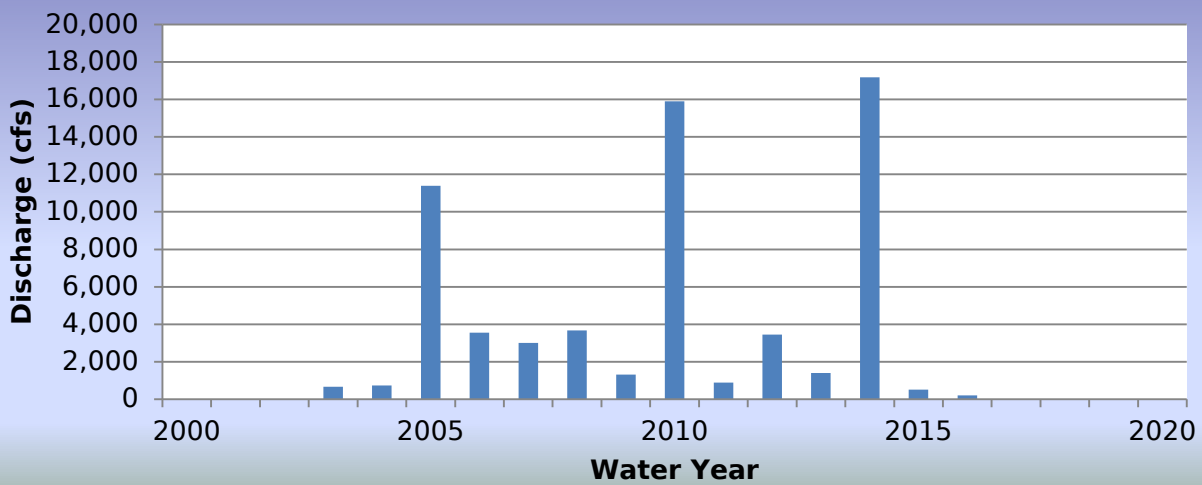
Site Data

LOCATION	In Cave Creek near Rancho Manana
DRAINAGE AREA	115.8 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Cave Creek, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S29 T6N R4E
LATITUDE	N 33° 49' 48.9" +33.83024
LONGITUDE	W 111° 58' 04.0" -111.96778
STREAMGAGE INSTALLATION DATE	05/28/2003 - WY 2002
AVAILABLE PERIOD OF RECORD	05/28/2003 - Current
LENGTH OF AVAILABLE POR DATA	13.35 Years 4,875 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.25 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,989.89 feet NAVD 1988
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



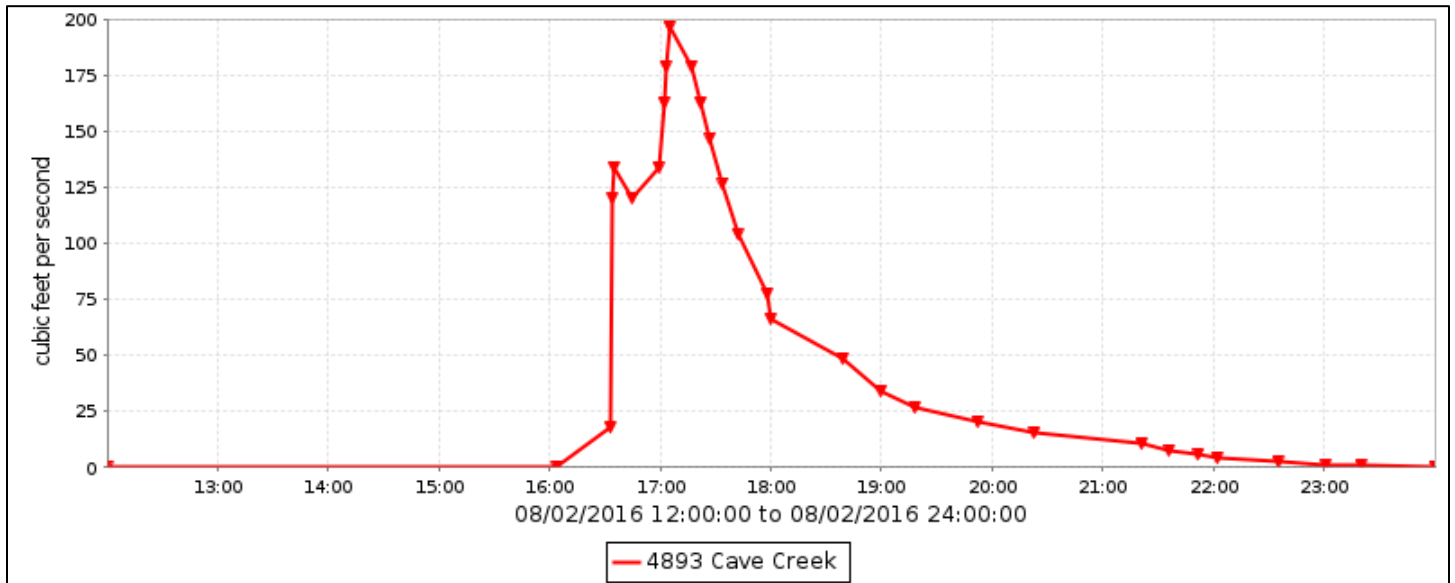
Cave Creek - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/02/2016	2.79	196
08/03/2016	1.91	39
08/05/2016	2.59	162

Hydrograph of peak WY 2016 flow event, 08/02/2016



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
2,020	6,370	11,600	19,100	33,500	48,700

Cave Creek, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						1	1					
2						1	2				13	
3							3				4	
4						1	4					
5							2				16	
6							4					
7							1					
8							3					
9						1	3					
10						1						
11				1			1					
12							3					
13							4					
14							3					
15						1	1					
16						1	2					
17						1	1					
18						1	1					
19						1						
20						1						
21					1	1						
22						1	1					
23						1						
24						1						
25						1						
26					1	1	1					
27					1	1	1					
28					1		1					
29					1							
30					---	1						
31		---			---		---		---	2		---
TOTAL	0	0	0	2	9	22	44	0	0	2	36	1
MEAN	0	0	0	0	0	1	1	0	0	0	1	0
MAX	0	0	0	4	5	13	30	0	0	44	196	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	3	17	44	87	0	0	5	72	3
WTR YR 2016	TOTAL	116	MEAN	0	MAX	196	MIN	0	AC_FT	230		

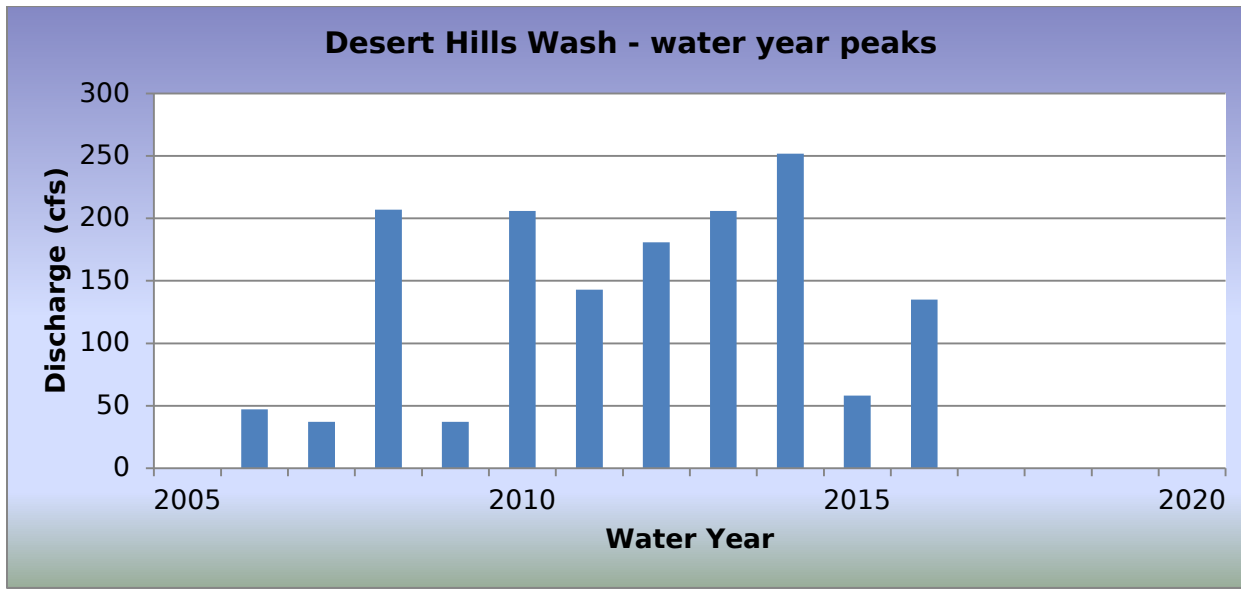
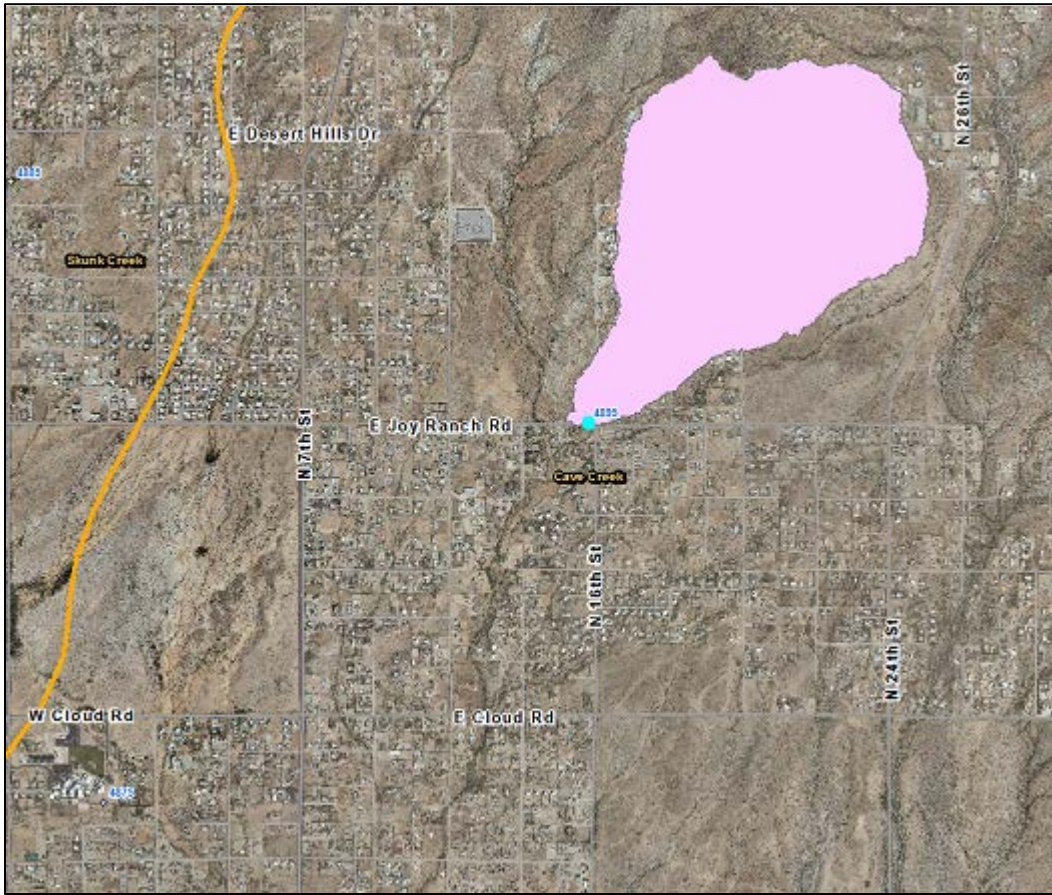
Desert Hills Wash, ID #4898



Site Data

LOCATION	Located west of 16th Street, on Joy Ranch Road
DRAINAGE AREA	1.0 mi ²
STREAM TYPE	Culvert on natural stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S28 T6N R3E
LATITUDE	N 33° 49' 41.6" +33.82882
LONGITUDE	W 112° 02' 54.0" -112.04832
STREAMGAGE INSTALLATION DATE	03/02/2006 - WY 2006
AVAILABLE PERIOD OF RECORD	03/02/2006 - Current
LENGTH OF AVAILABLE POR DATA	10.58 Years 3,866 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.55 feet Gage Height
EXTREME FOR PERIOD OF RECORD	252 cfs 4.90 feet 08/19/2014 & 09/08/2014

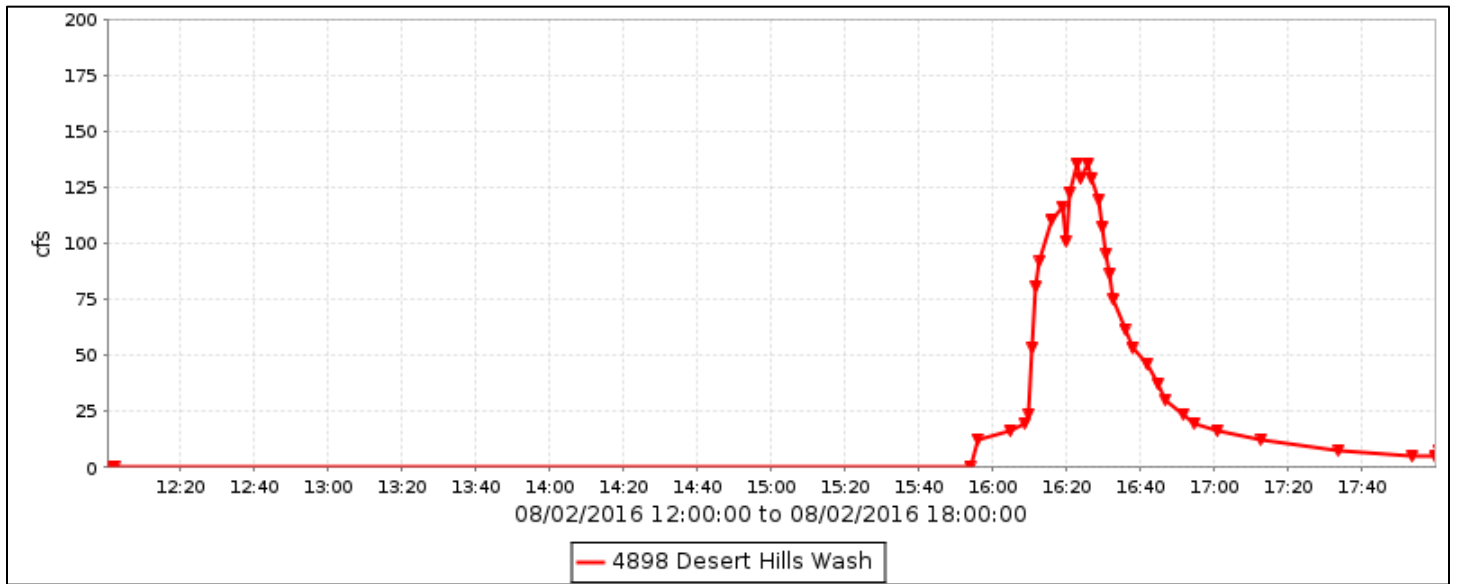
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	2.25	72
01/07/2016	2.40	80
08/02/2016	3.28	135
08/03/2016	1.62	39
08/05/2016	2.35	77

Hydrograph of peak WY 2016 flow event, 08/02/2016



Flood Flow Frequency

Flood Flow Frequency N=11, HEC-WRC computation (based on 11 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
115	210	283	357	459	539

Desert Hills Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											3	
3											2	
4												---
5											2	---
6												
7				4								
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20	2											
21												
22												
23												
24												
25												
26												
27												
28												
29												
30							---					
31		---					---		---			---
TOTAL	2	0	0	4	0	0	0	0	0	0	7	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	72	0	0	80	0	0	0	0	0	0	135	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	5	0	0	7	0	0	0	0	0	0	15	0
WTR YR 2016	TOTAL	13	MEAN	0	MAX	135	MIN	0	AC_FT	27		

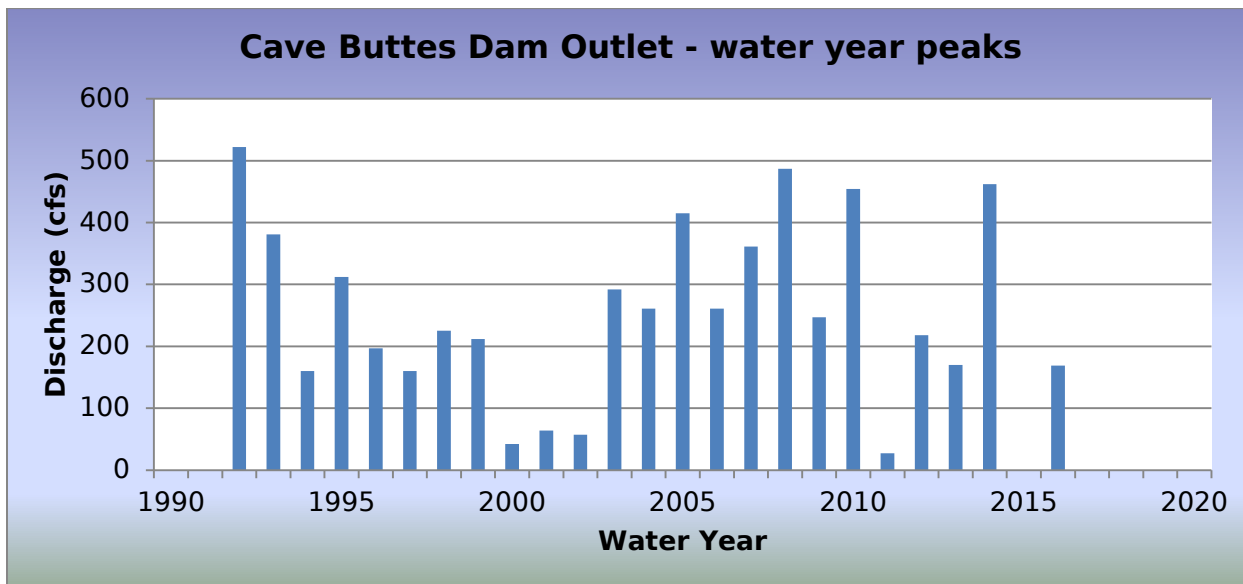
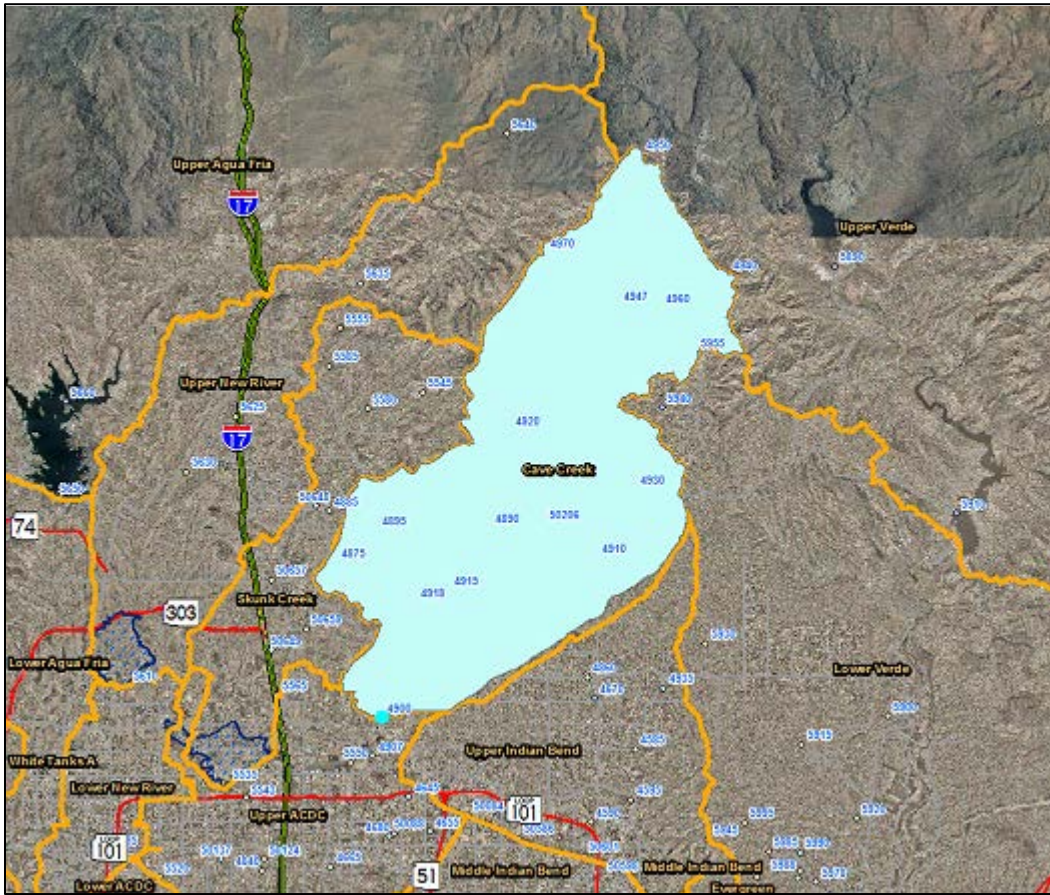
Cave Buttes Dam Outlet, ID #4903



Site Data

LOCATION	Located about 1 mile west of Cave Creek Road and 1/2 mile south of Jomax Road
DRAINAGE AREA	191 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S03 T4N R3E
LATITUDE	N 33° 43' 01.3" +33.71702
LONGITUDE	W 112° 02' 40.2" -112.04451
STREAMGAGE INSTALLATION DATE	01/25/1984 - WY 1984
AVAILABLE PERIOD OF RECORD	07/30/1992 - Current
LENGTH OF AVAILABLE POR DATA	24.17 Years 8,829 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.33 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,556.16 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	522 cfs 6.43 feet 08/24/1992

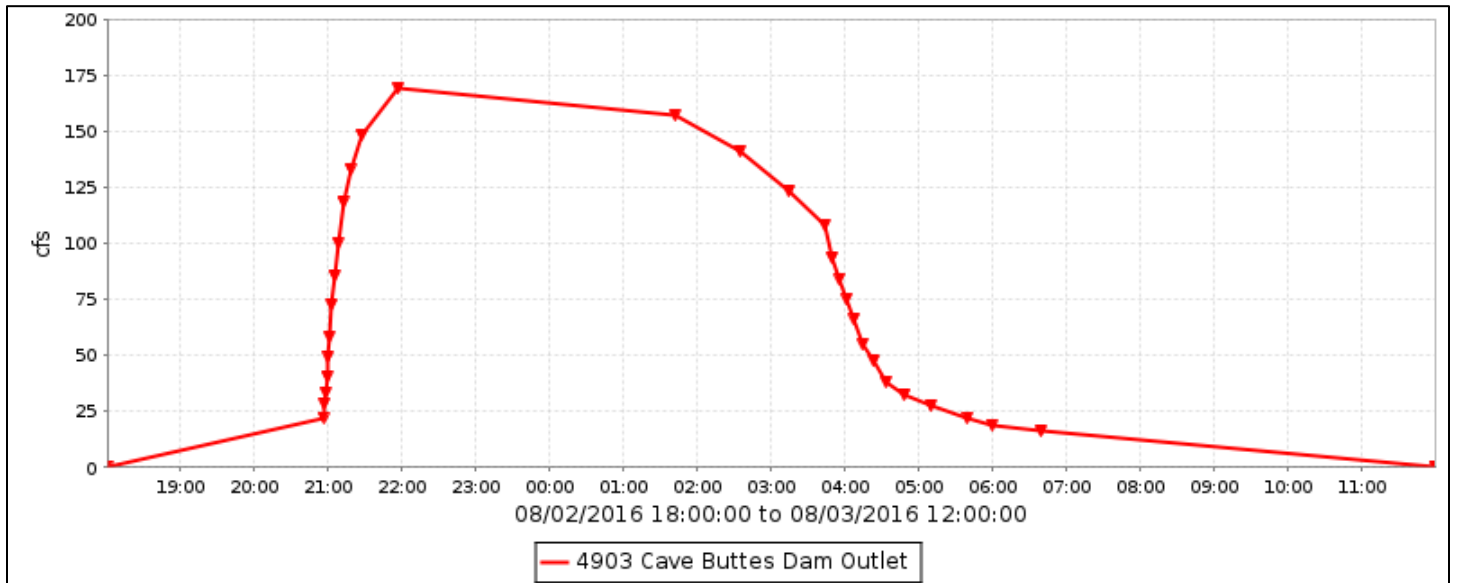
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/02/2016	3.81	169
08/04/2016	1.85	30
08/05/2016	3.02	92

Hydrograph of peak WY 2016 flow event, 08/02/2016



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											20	
3											33	
4											5	
5											20	
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20	8											
21	4											
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	12	0	0	0	0	0	0	0	0	0	78	0
MEAN	0	0	0	0	0	0	0	0	0	0	3	0
MAX	50	0	0	0	0	0	0	0	0	0	169	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	23	0	0	0	0	0	0	0	0	0	155	0
WTR YR 2016	TOTAL	90	MEAN	0	MAX	169	MIN	0	AC_FT	178		

Cave Buttes Dam Pool, ID #4904



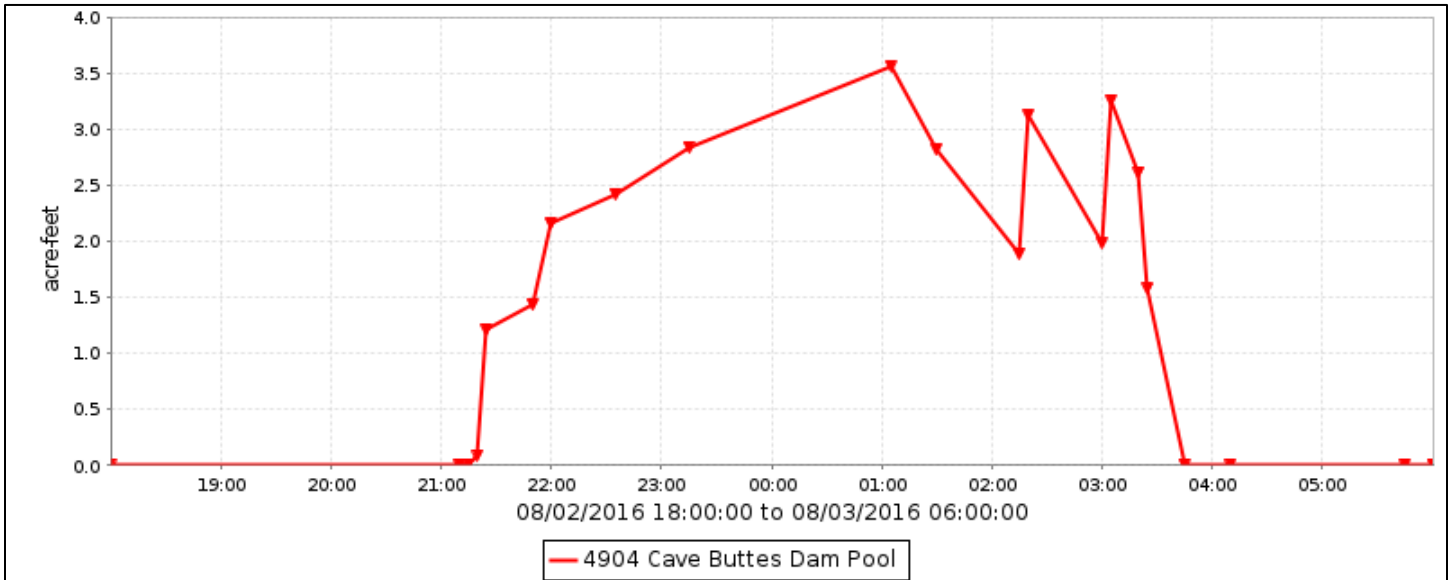
Site Data

LOCATION	Located about 1 mile west of Cave Creek Road and 1/2 mile south of Jomax Road
DRAINAGE AREA	191 mi ²
STREAM TYPE	Dam on natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S03 T4N R3E
LATITUDE	N 33° 43' 01.3" +33.71702
LONGITUDE	W 112° 02' 40.2" -112.04451
STREAMGAGE INSTALLATION DATE	01/25/1984 - WY 1984
AVAILABLE PERIOD OF RECORD	10/01/1987 - Current
LENGTH OF AVAILABLE POR DATA	29.00 Years 10,593 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.90 feet Gage Height
STAFF GAGES	24
ZERO GAGE HEIGHT ELEVATION	1,562.00 feet NAVD 1988
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

2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/03/2016	6.61	3.6	0.0

Hydrograph of peak WY 2016 impoundment event, 08/03/2016



Cave Buttes Dam Pool, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	4	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	0	MAX	4	MIN	0						

Cave Buttes Dam Pool, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	2.3	1.9
3	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.6	1.9
4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
11	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
12	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
13	1.9	1.9	1.9	1.9	1.9	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	1.9
16	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
17	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
18	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
19	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
20	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
21	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
22	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
23	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
25	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
26	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
27	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
28	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
29	1.9	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	1.9	1.9	1.9
MAX	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	6.6	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 2016	MEAN	1.90	MAX	6.61	MIN	1.90						

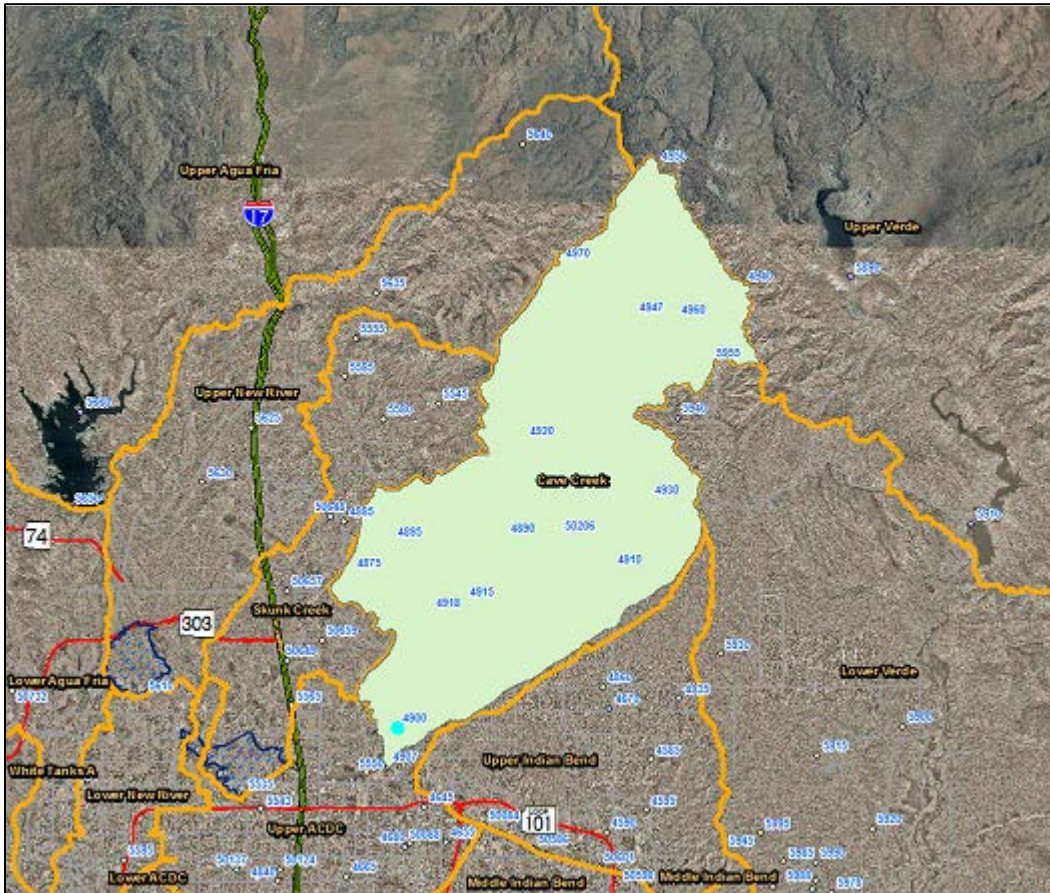
Cave Creek at CAP, ID #4907



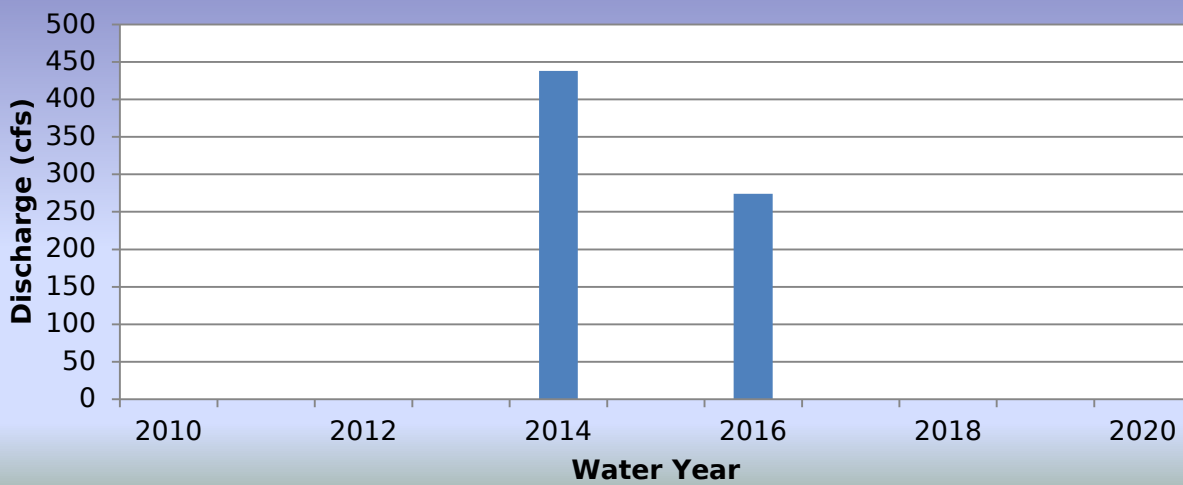
Site Data

LOCATION	Located about 1 mile downstream of Cave Buttes Dam
DRAINAGE AREA	198 mi ²
STREAM TYPE	Concrete Overchute
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S16 T4N R3E
LATITUDE	N 33° 41' 38.0" +33.69389
LONGITUDE	W 112° 03' 04.0" -112.05111
STREAMGAGE INSTALLATION DATE	04/14/2014 - WY 2014
AVAILABLE PERIOD OF RECORD	04/14/2014 - Current
LENGTH OF AVAILABLE POR DATA	2.47 Years 901 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
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



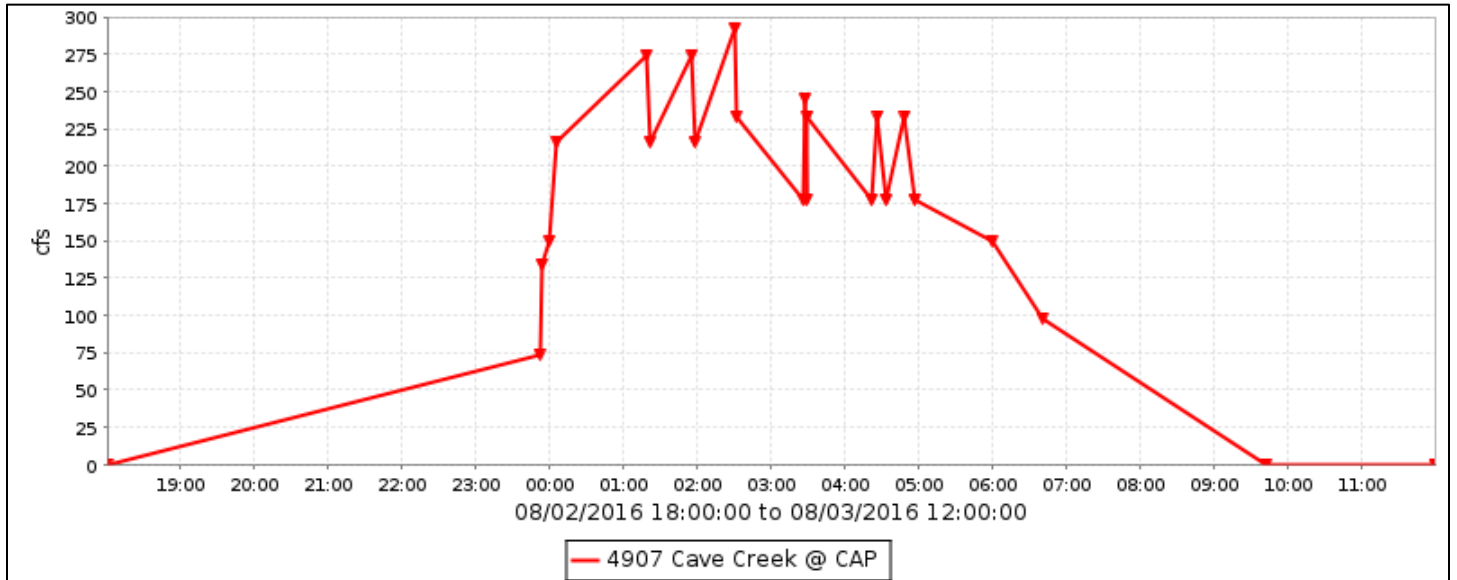
Cave Creek at CAP - water year peaks



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/07/2016	0.54	205
08/03/2016	0.66	274
08/05/2016	0.56	216

Hydrograph of peak WY 2016 flow event, 08/03/2016



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											1	
3											70	
4												
5											73	
6											13	
7				46								
8				5								
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	51	0	0	0	0	0	0	156	0
MEAN	0	0	0	2	0	0	0	0	0	0	5	0
MAX	0	0	0	205	0	0	0	0	0	0	292	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	102	0	0	0	0	0	0	310	0
WTR YR 2016	TOTAL	208	MEAN	1	MAX	292	MIN	0	AC_FT	412		

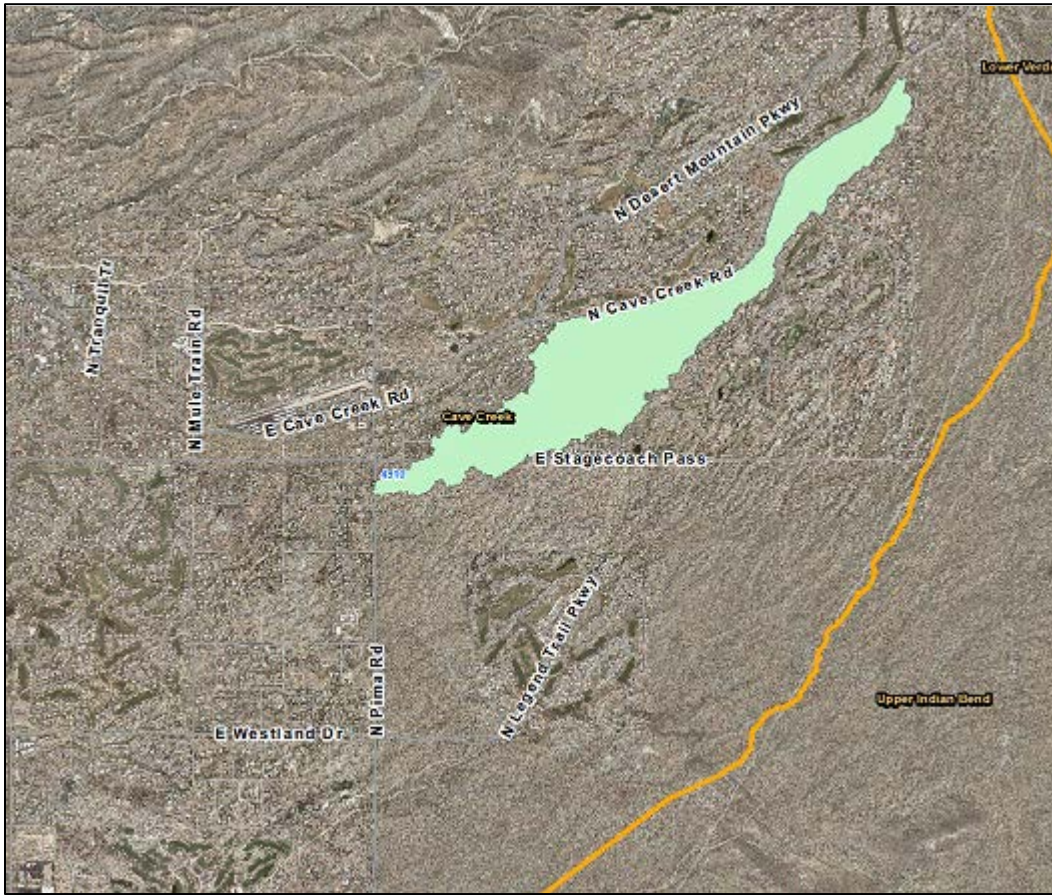
Stagecoach Wash, ID #4913



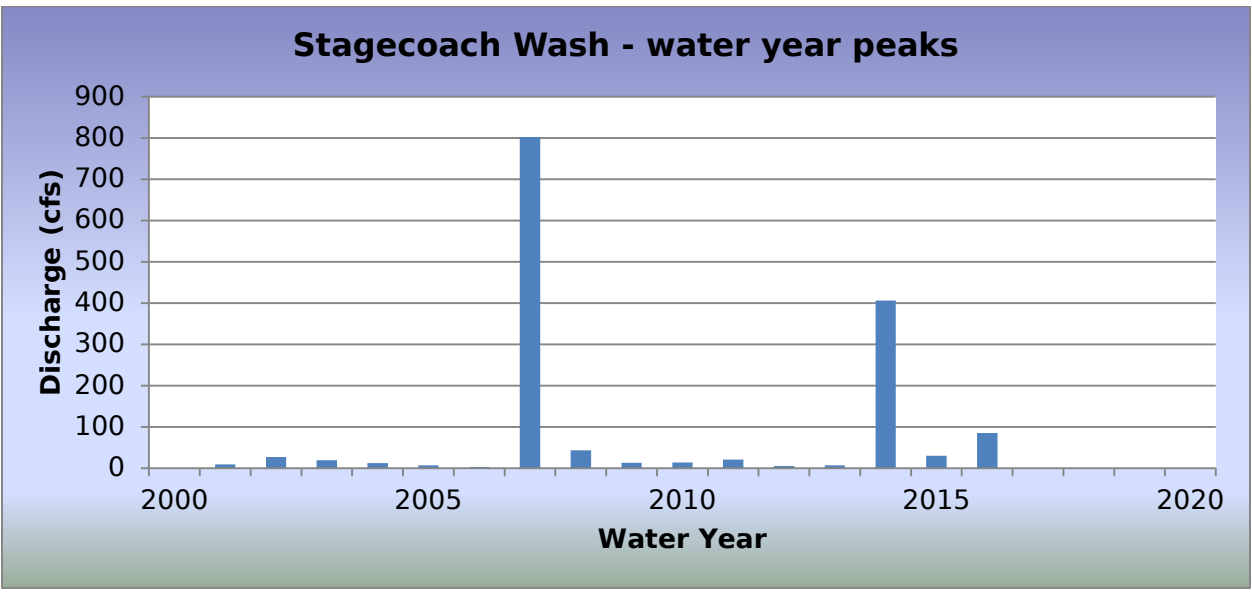
Site Data

LOCATION	On Pima Road about 1/4 miles south of Stagecoach Pass
DRAINAGE AREA	1.12 mi ²
STREAM TYPE	Culvert at natural stream
JURISDICTION	Scottsdale, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S061 T5N R5E
LATITUDE	N 33° 48' 42.8" +33.81190
LONGITUDE	W 111° 53' 28.0" -111.89112
STREAMGAGE INSTALLATION DATE	06/13/2001 - WY 2001
AVAILABLE PERIOD OF RECORD	06/13/2001 - Current
LENGTH OF AVAILABE POR DATA	15.30 Years 5,589 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.59 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,549.00 feet NAVD 1988
POINT OF ZERO FLOW	0.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	802 cfs 5.10 feet 07/31/2007

Watershed Map



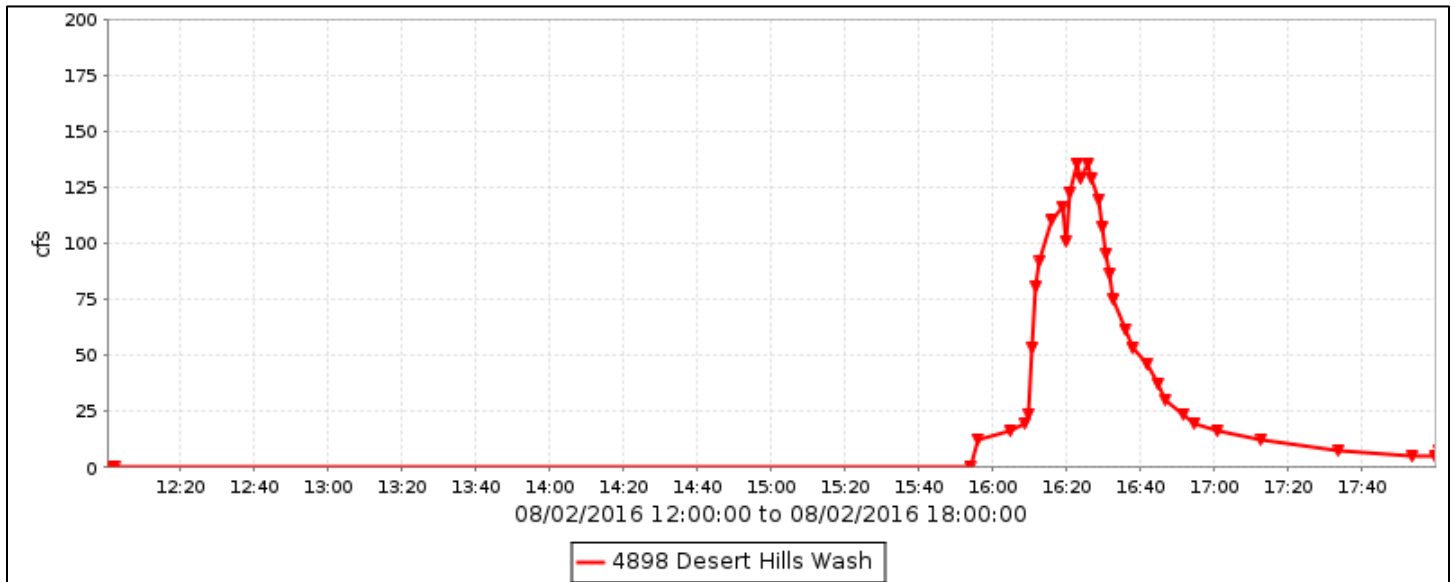
Stagecoach Wash - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	2.04	85

Hydrograph of peak WY 2016 flow event, 08/02/2016



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
21	79	167	318	680	1,150

Stagecoach Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20	1														
21															
22															
23															
24															
25															
26															
27															
28															
29															
30					---										
31		---			---		---		---			---			
TOTAL	1	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	85	0	0	0	0	0	0	0	0	0	0	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	2	0	0	0	0	0	0	0	0	0	0	0			
WTR YR 2016	TOTAL		1	MEAN		0	MAX		85	MIN		0	AC_FT		2

Cave Creek near Cave Creek, ID #4918



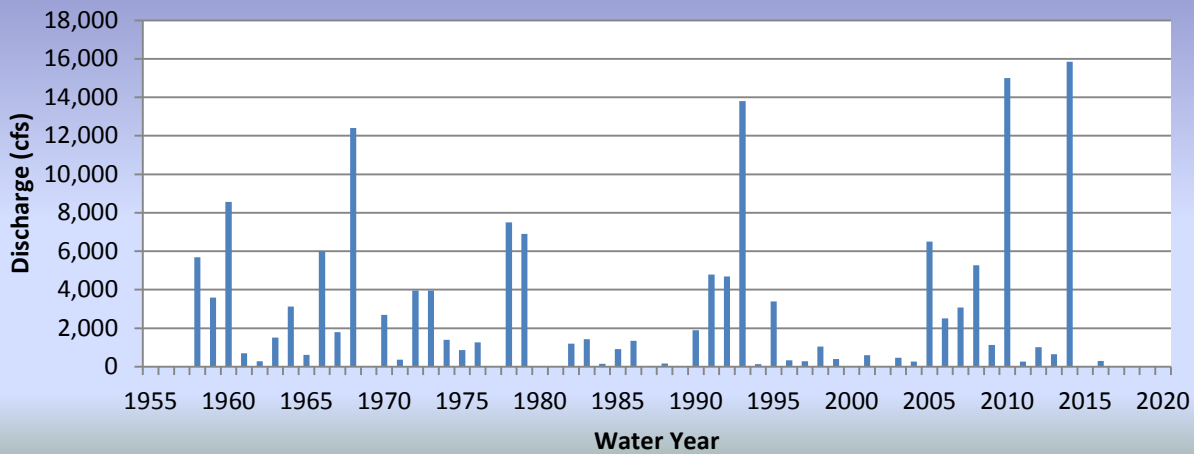
Site Data

LOCATION	About 1 mile south of Carefree Highway
DRAINAGE AREA	123.4 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S12 T5N R3E
LATITUDE	N 33° 47' 09.0" +33.78582
LONGITUDE	W 112° 00' 26.1" -112.00726
STREAMGAGE INSTALLATION DATE	05/27/1994 - WY 1994 (USGS gaged since 1958)
AVAILABLE PERIOD OF RECORD	05/27/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.35 Years 8,163 Days
GAPS (> 2 DAYS) IN RECORD	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	1,802.15 feet NAVD 1988
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



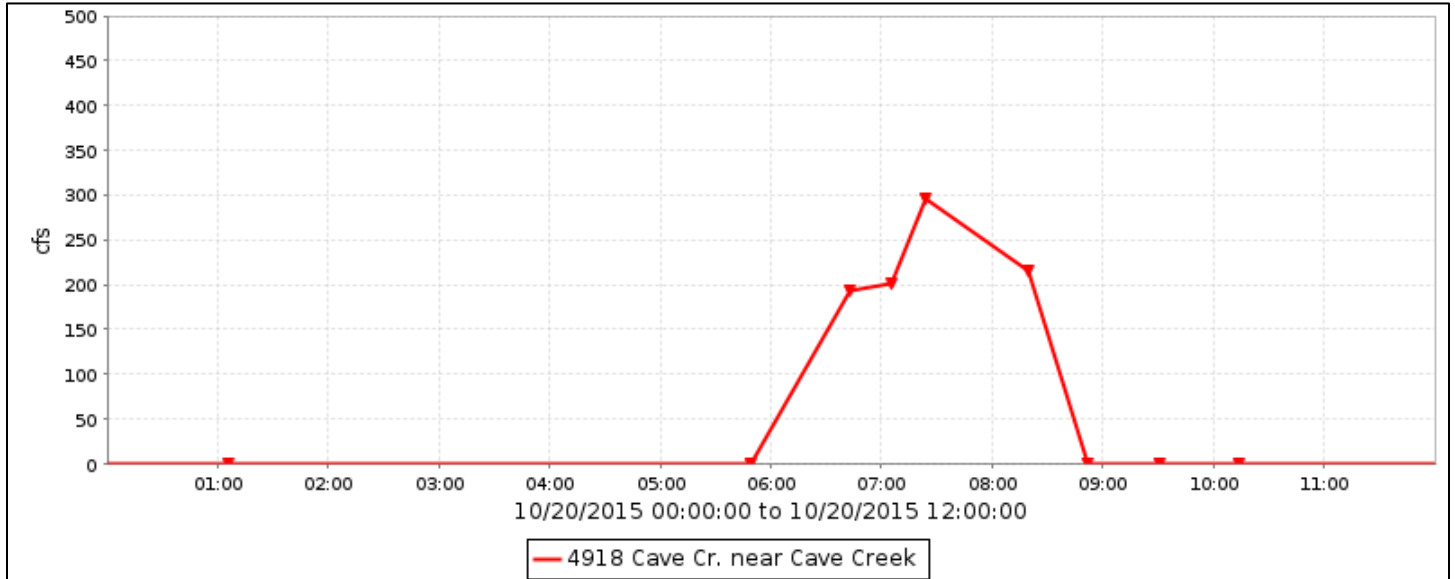
Cave Creek near Cave Creek - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	1.40	295

Hydrograph of peak WY 2016 flow event, 10/20/2015



Flood Flow Frequency

Flood Flow Frequency N=58, HEC-WRC computation (based on 58 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
1,190	3,960	7,290	11,900	20,600	29,500

Cave Creek near Cave Creek, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4												---	
5												---	
6													
7				69									
8				19									
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20	22												
21													
22													
23													
24													
25													
26													
27													
28													
29													
30						---							
31		---				---		---		---		---	
TOTAL	22	0	0	89	0	0	0	0	0	0	0	0	
MEAN	1	0	0	3	0	0	0	0	0	0	0	0	
MAX	295	0	0	243	0	0	0	0	0	0	0	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	43	0	0	176	0	0	0	0	0	0	0	0	
WTR YR 2016	TOTAL		110	MEAN		0	MAX	295	MIN		0	AC_FT	219

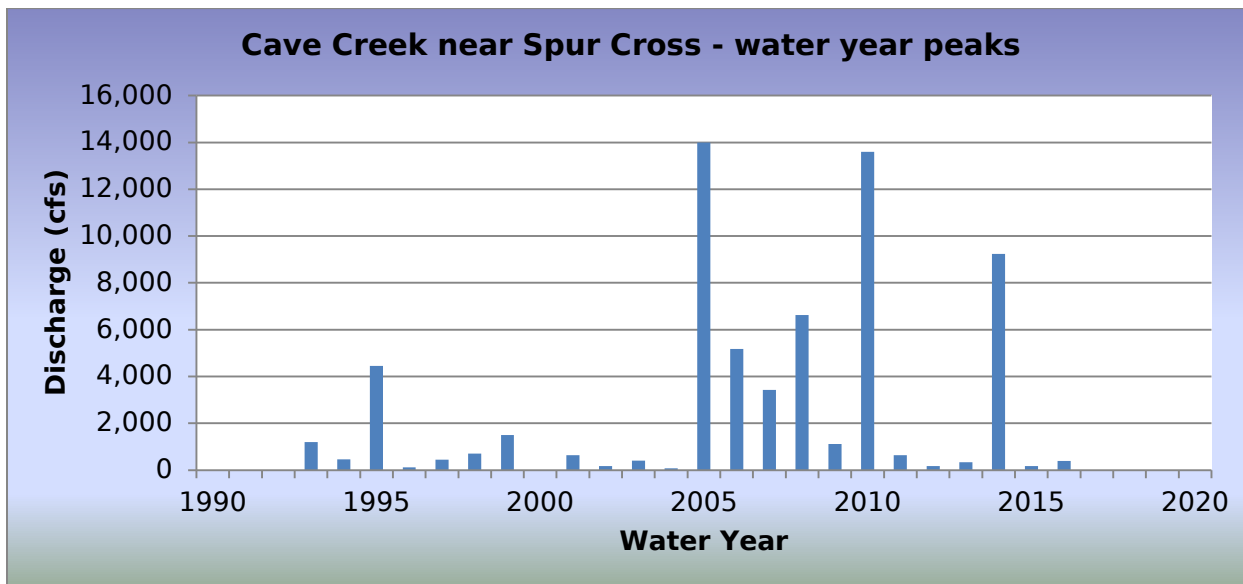
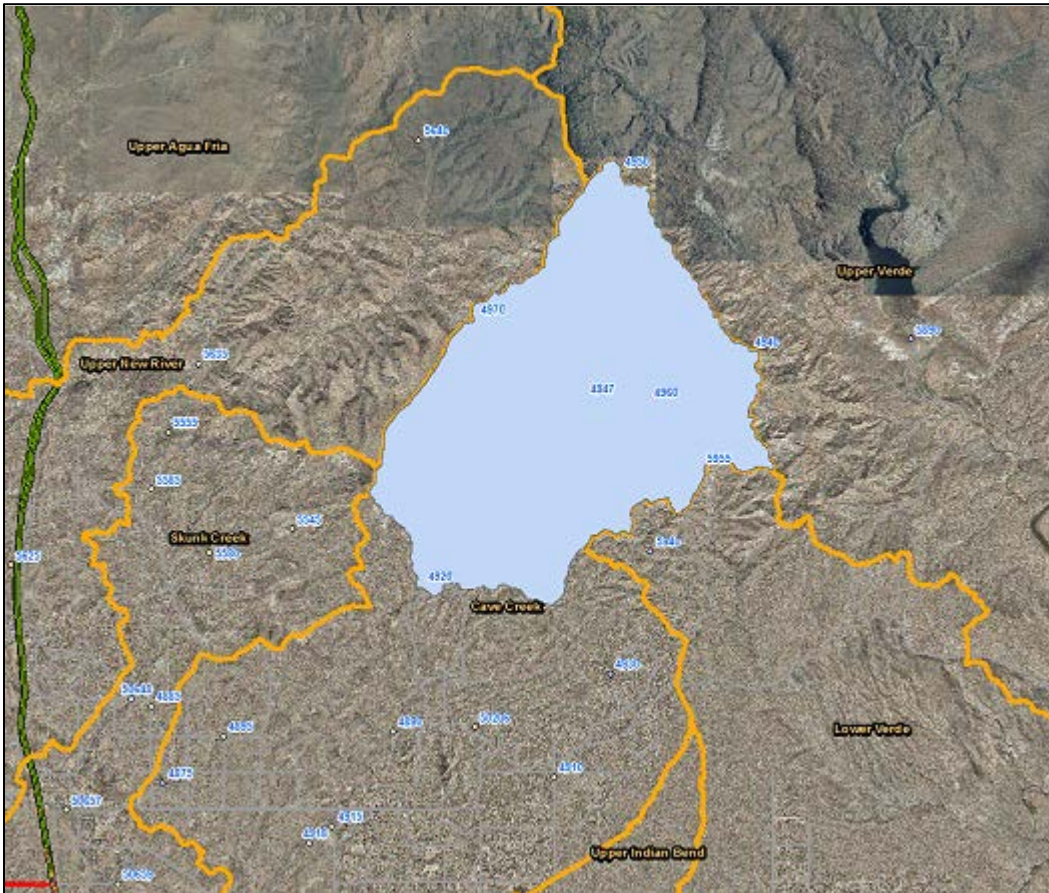
Cave Creek at Spur Cross, ID #4923



Site Data

LOCATION	Near the Spur Cross Conservation Area
DRAINAGE AREA	72.9 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Cave Creek, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S04 T6N R4E
LATITUDE	N 33° 53' 16.6" +33.88793
LONGITUDE	W 111° 57' 12.8" -111.95355
STREAMGAGE INSTALLATION DATE	06/16/1993 - WY 1993
AVAILABLE PERIOD OF RECORD	06/16/1993 - Current
LENGTH OF AVAILABLE POR DATA	23.29 Years 8,508 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.37 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	2.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	14,000 cfs 16.40 feet 09/03/2005

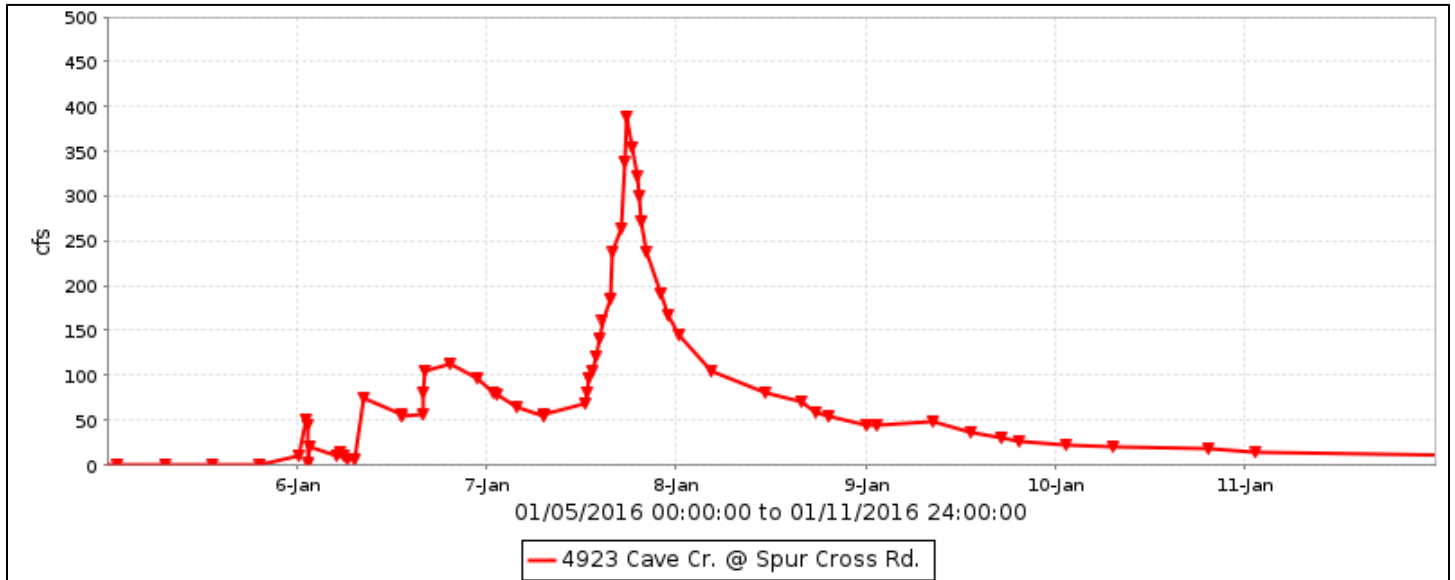
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/15/2015	4.20	112
10/20/2015	4.44	161
01/06/2016	4.20	112
01/07/2016	5.27	388

Hydrograph of peak WY 2016 flow event, 01/07/2016



Flood Flow Frequency

Flood Flow Frequency N=36, HEC-WRC computation (based on 36 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
845	3,230	6,420	11,300	21,000	31,800

Cave Creek at Spur Cross, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---		
2										---		
3										---		
4										---		
5												
6				61						---		
7				139						---		
8				92						---		
9				39						---		
10				20						---		
11				15								
12				14								
13				11								
14				9								
15		1		8					---			
16		1		8					---			
17				8					---			
18	8			7					---			
19	3			7					---			
20	28			7					---			
21	2	1		7					---			
22				7					---			
23				7					---			
24				7					---			
25				7					---			
26									---			
27									---			
28									---			
29												
30					---							
31		---			---		---		---			---
TOTAL	41	4	0	480	0	0	0	0	0	0	0	0
MEAN	1	0	0	15	0	0	0	0	0	0	0	0
MAX	161	10	0	388	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	81	8	0	952	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL		525	MEAN		1	MAX	388	MIN	0	AC_FT	1042

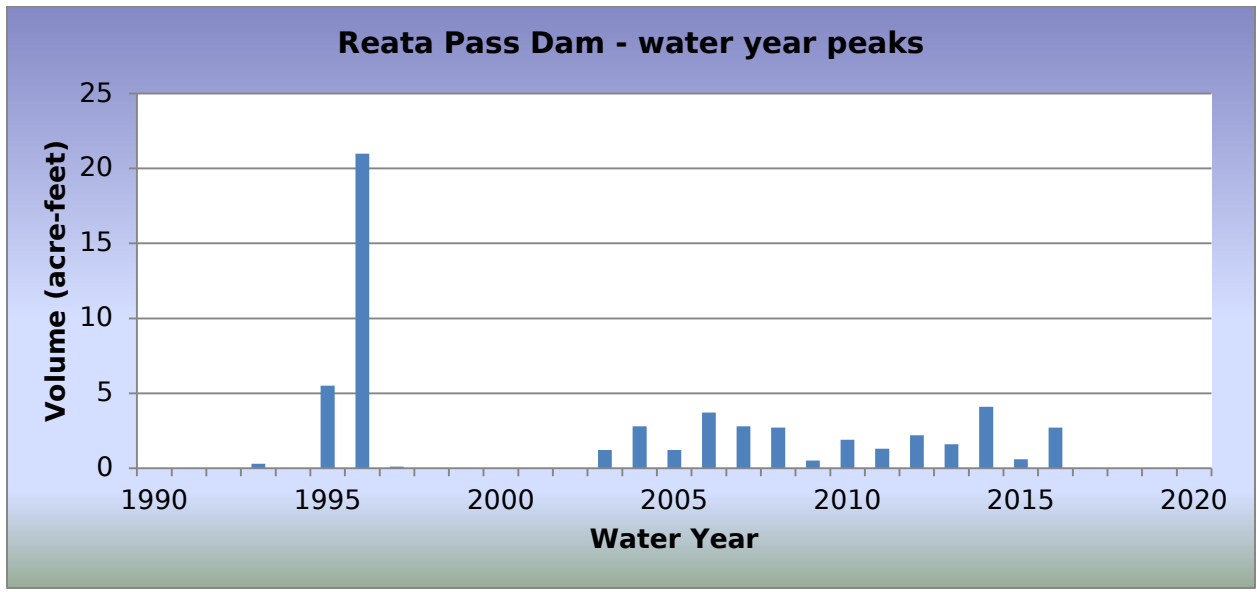
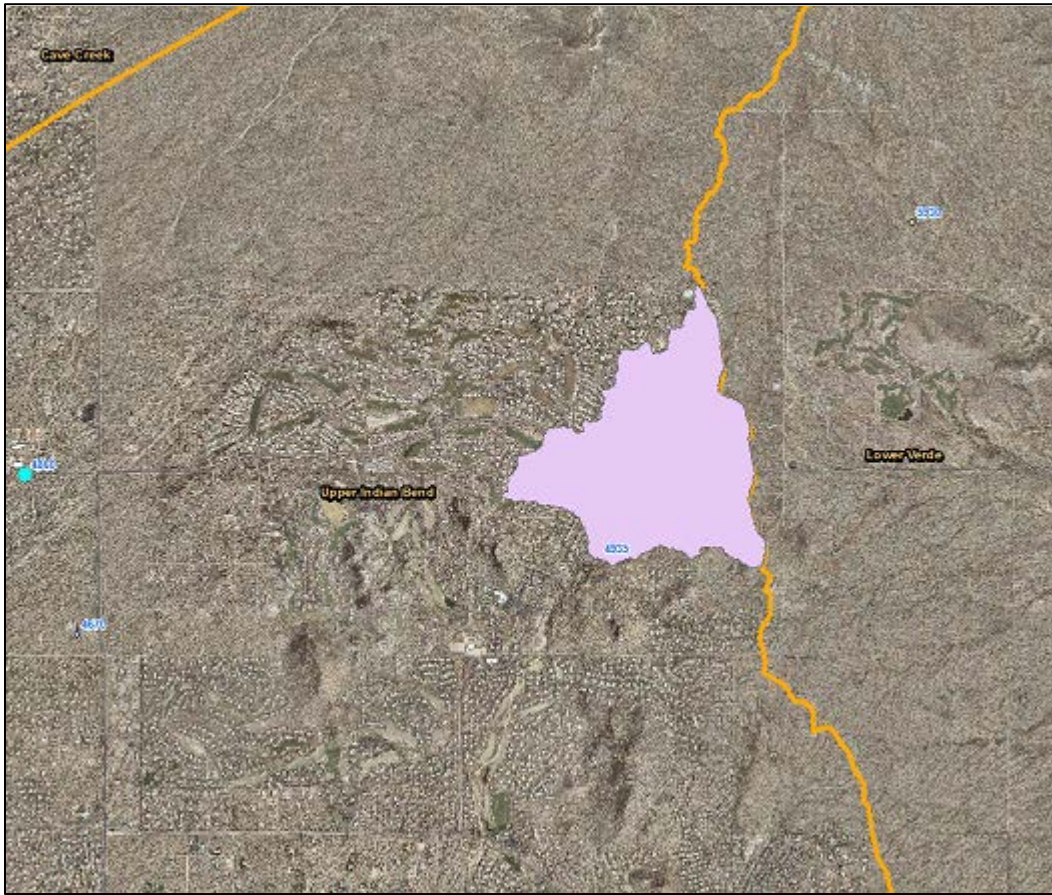
Reata Pass Dam, ID #4938



Site Data

LOCATION	Located south of Dynamite Boulevard and east of Alma School Parkway
DRAINAGE AREA	1.0 mi ²
JURISDICTION	Scottsdale, Arizona
WATERSHED	Upper Indian Bend
SECTION/TOWNSHIP/RANGE	S33 T5N R5E
LATITUDE	N 33° 44' 04.1" +33.73446
LONGITUDE	W 111° 50' 37.0" -111.84362
STREAMGAGE INSTALLATION DATE	10/02/2001 - WY 2002
AVAILABLE PERIOD OF RECORD	10/02/2001 - Current
LENGTH OF AVAILABLE POR DATA	15.00 Years 5,478 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	2,590.15 feet NAVD 1988
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

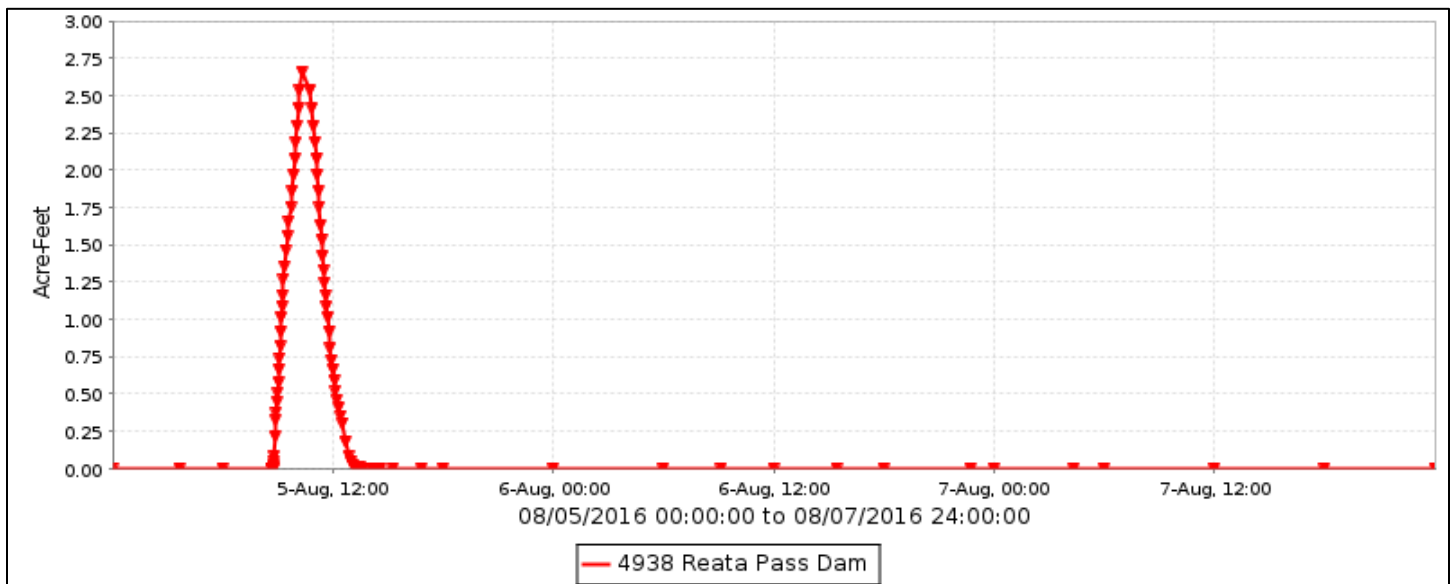
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/20/2015	1.89	0.2	0.8
11/16/2015	1.57	0.0	0.0
01/04/2016	1.44	0.0	0.0
01/06/2016	2.76	0.8	1.7
02/01/2016	2.99	1.0	2.1
08/04/2016	1.32	0.0	0.0
08/05/2016	4.66	2.7	5.4

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



Reata Pass Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1					21								
2					3								
3													
4				1									
5				4							12		
6				16									
7				17									
8				6									
9													
10													
11													
12													
13													
14													
15													
16		2											
17													
18													
19													
20	3												
21	2												
22													
23													
24													
25													
26													
27													
28													
29													
30					---								
31		---		1	---		---		---			---	
TOTAL	5	2	0	44	24	0	0	0	0	0	13	0	
MEAN	0	0	0	1	1	0	0	0	0	0	0	0	
MAX	10	5	0	48	58	0	0	0	0	0	121	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	10	4	0	88	48	0	0	0	0	0	26	0	
WTR YR 2016	TOTAL		88	MEAN		0	MAX	121	MIN		0	AC_FT	175

Reata Pass Dam, volume data

Volume, in Acre-Feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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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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	1	1	0	0	0	0	0	3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	0	MAX	3	MIN	0						

Reata Pass Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	2.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.1	0.1	0.1	0.1	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.1
5	0.1	0.1	0.1	1.4	0.1	0.1	0.1	0.1	0.1	0.1	1.3	0.1
6	0.1	0.1	0.1	2.0	0.1	0.1	0.1	0.1	0.1	0.1	0.7	0.1
7	0.1	0.1	0.1	2.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
8	0.1	0.1	0.1	1.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.6	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	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	1.0	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	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.3	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.2	0.2	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.1
MAX	1.9	1.6	0.1	2.8	3.0	0.1	0.1	0.1	0.1	0.1	4.7	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 2016	MEAN	0.20	MAX	4.66	MIN	0.15						

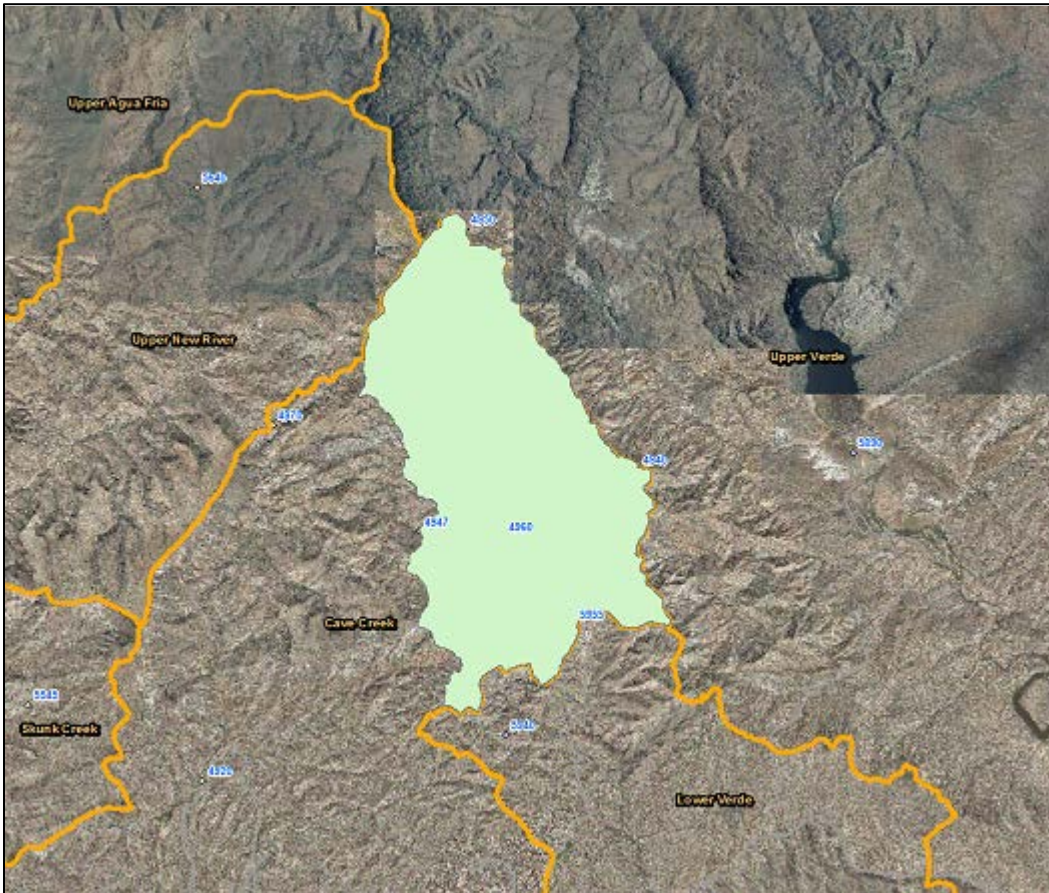
Cave Creek at Ashdale RS, ID #4947



Site Data

LOCATION	About 1 mile west of the Seven Springs Campgrounds
DRAINAGE AREA	33 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S07 T7N R5E
LATITUDE	N 33° 57' 44.2" +33.96228
LONGITUDE	W 111° 52' 33.8" -111.87605
STREAMGAGE INSTALLATION DATE	02/25/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	02/25/2009 - Present
LENGTH OF AVAILABLE POR DATA	7.60 Years 2,775 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	3,250.00 feet NGVD 1929
POINT OF ZERO FLOW	0.3 feet Gage Height

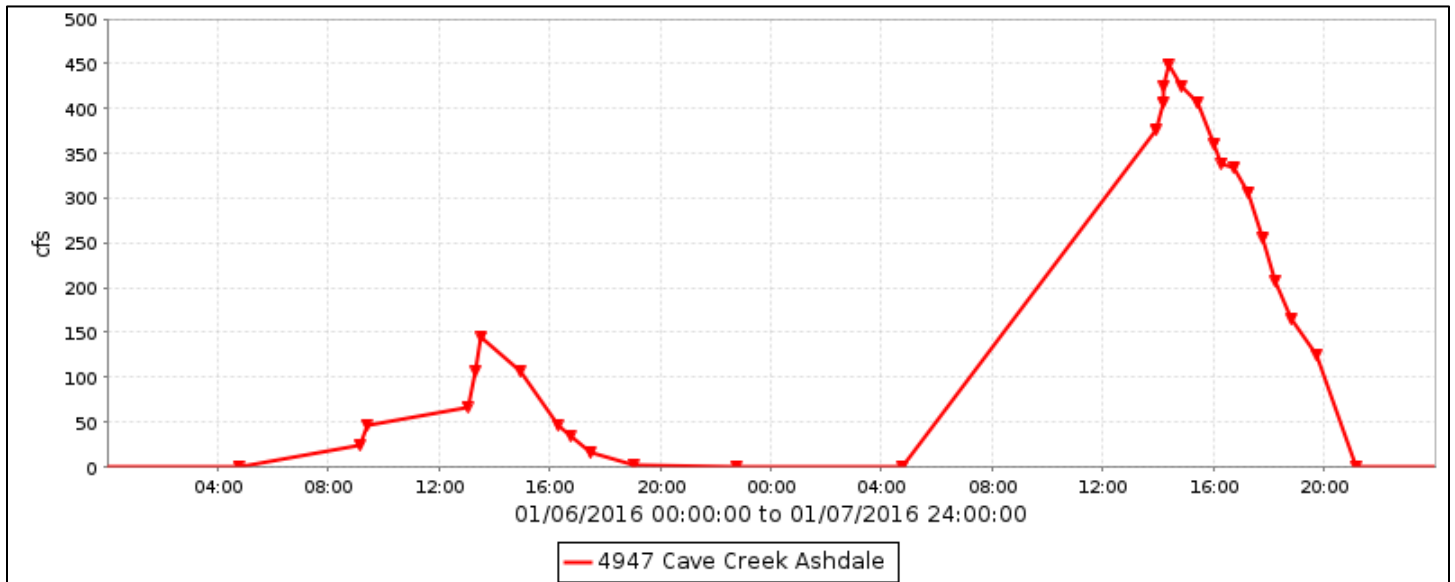
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/06/2016	1.84	144
01/07/2016	2.86	449

Hydrograph of peak WY 2016 flow event, 01/07/2016



Flood Flow Frequency

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

Cave Creek at Ashdale RS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6				27								
7				85								
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	112	0	0	0	0	0	0	0	0
MEAN	0	0	0	4	0	0	0	0	0	0	0	0
MAX	0	0	0	449	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	222	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL		112	MEAN	0	MAX	449	MIN	0	AC_FT		222

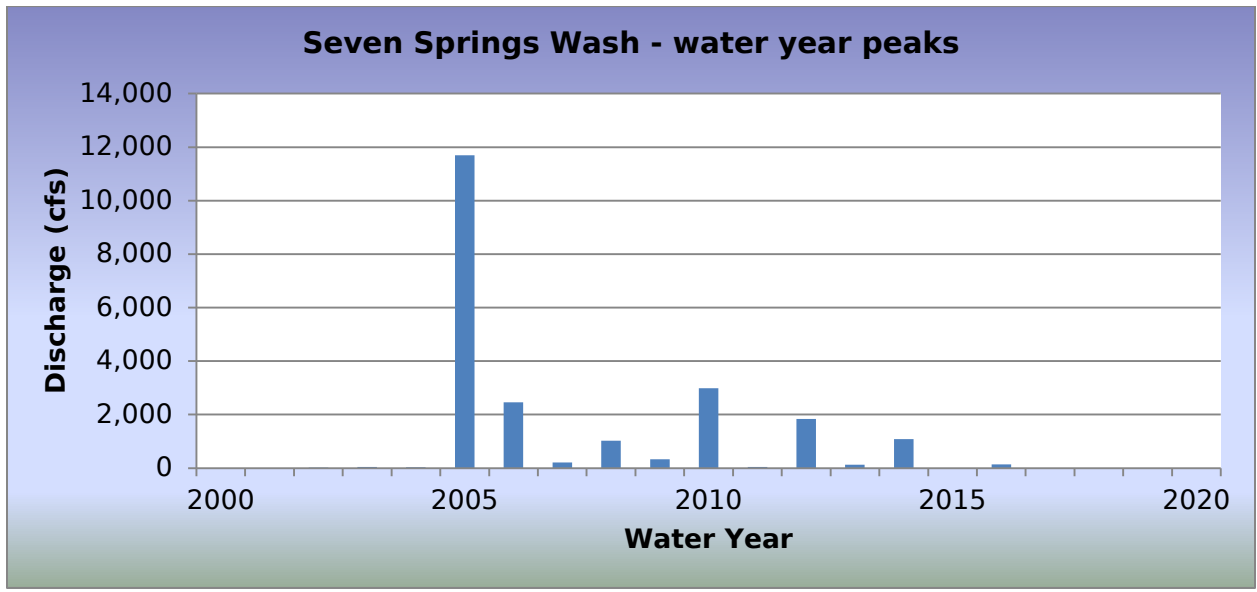
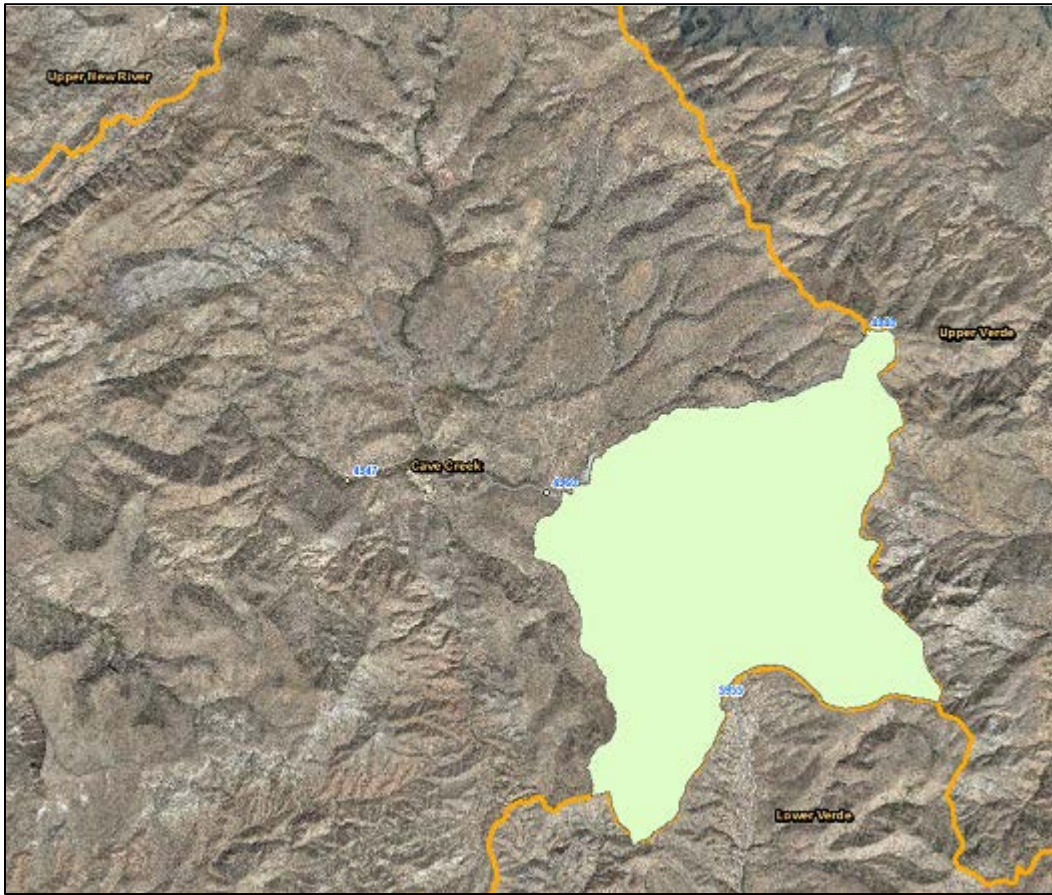
Seven Springs Wash, ID #4963



Site Data

LOCATION	On Seven Springs Road near Forest Road 254
DRAINAGE AREA	7.9 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County
WATERSHED	Cave Creek
SECTION/TOWNSHIP/RANGE	S09 T7N R5E
LATITUDE	N 33° 57' 37.3" +33.96035
LONGITUDE	W 111° 50' 37.0" -111.84361
STREAMGAGE INSTALLATION DATE	03/12/2002 - WY 2002
AVAILABLE PERIOD OF RECORD	03/12/2002 - Current
LENGTH OF AVAILABLE POR DATA	14.56 Years 5,317 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.10 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	3,481.32 feet NAVD 1988
POINT OF ZERO FLOW	-0.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	11,700 cfs 10.68 feet 09/03/2005

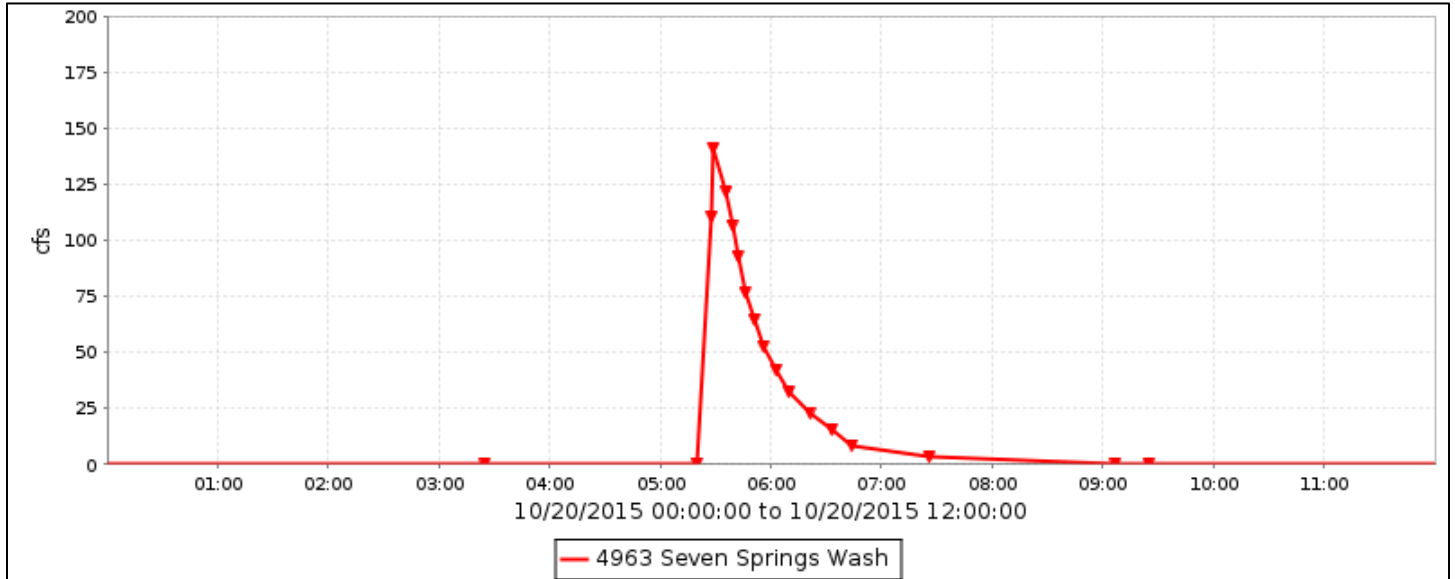
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	2.45	141
01/07/2016	2.20	103

Hydrograph of peak WY 2016 flow event, 10/20/2015



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
261	1,630	4,170	9,020	21,300	37,500

NOTE: These results are based on very limited data.

Seven Springs Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												---
6												
7				17								
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20	3											
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31		---			---		---		---			---
TOTAL	3	0	0	17	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	0	0	0	0	0	0	0	0
MAX	141	0	0	103	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	7	0	0	34	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL		21	MEAN	0	MAX	141	MIN	0	AC_FT		41

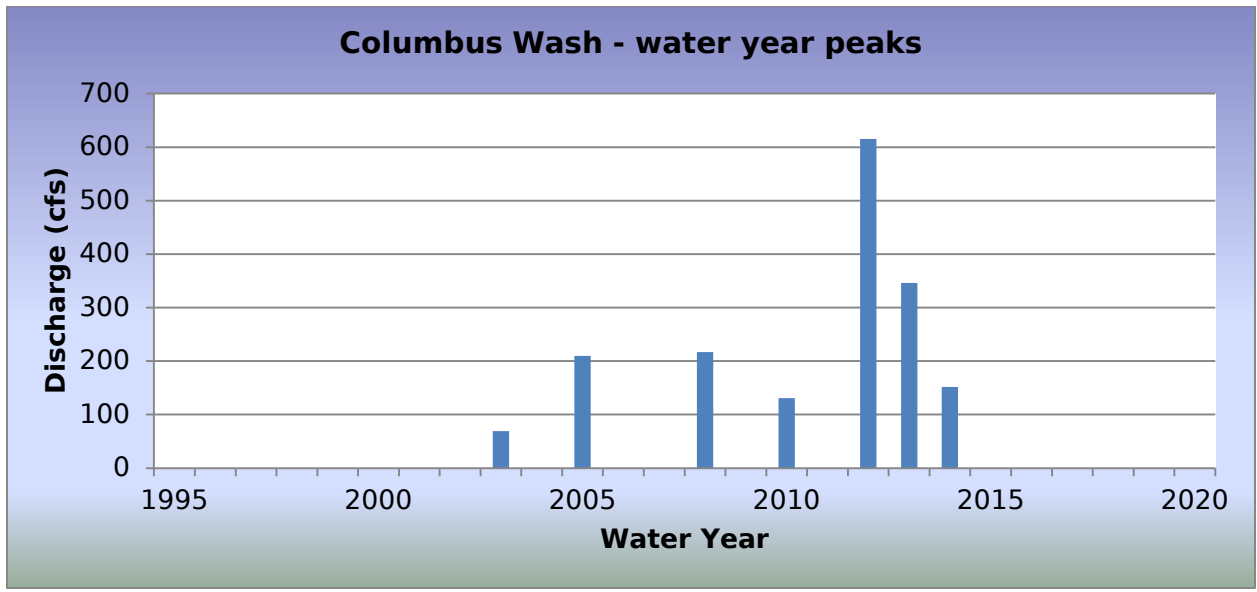
Columbus Wash - ID #5013



Site Data

LOCATION	Located at the east edge of Yuma County in the Hyder Valley
DRAINAGE AREA	25.4 mi ²
STREAM TYPE	Encroached Natural Stream
JURISDICTION	Yuma County, Arizona
WATERSHED	Lower Gila
SECTION/TOWNSHIP/RANGE	S06 T4S R10W
LATITUDE	N 33° 06' 45.7" +33.11268
LONGITUDE	W 113° 20' 22.1" -113.33946
STREAMGAGE INSTALLATION DATE	09/22/1999 - WY 1999
AVAILABLE PERIOD OF RECORD	09/22/1999 - Current
LENGTH OF AVAILABLE POR DATA	17.03 Years 6,219 Days
GAPS (> 2 DAYS) IN RECORD	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	700.00 feet NAVD 1988
POINT OF ZERO FLOW	1.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	615 cfs 2.45 feet 09/04/2012

Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
No Runof Events		

Hydrograph of peak WY 2016 flow event

There were no runoff events during Water Year 2016.

Flood Flow Frequency

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

Columbus Wash, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
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17			---												
18			---												
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20		---	---												
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23		---													
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

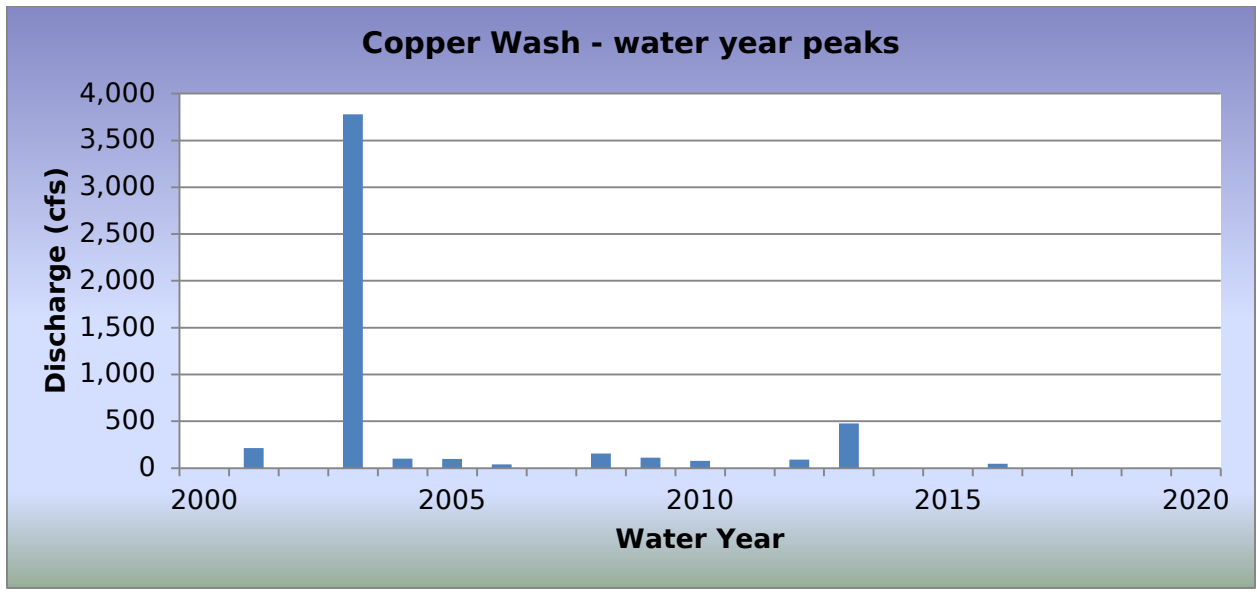
Copper Wash, ID #5033



Site Data

LOCATION	Located in western Maricopa County near the Hyder Valley
DRAINAGE AREA	6.6 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Gila
SECTION/TOWNSHIP/RANGE	S33 T2S R10W
LATITUDE	N 33° 12' 20.0" +33.20557
LONGITUDE	W 113° 17' 05.4" -113.28483
STREAMGAGE INSTALLATION DATE	02/20/2001 - WY 2001
AVAILABLE PERIOD OF RECORD	02/20/2001 - Current
LENGTH OF AVAILABLE POR DATA	15.61 Years 5,702 Days
GAPS (> 2 DAYS) IN RECORD	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 NAVD 1988
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,780 cfs 5.69 feet 08/27/2003

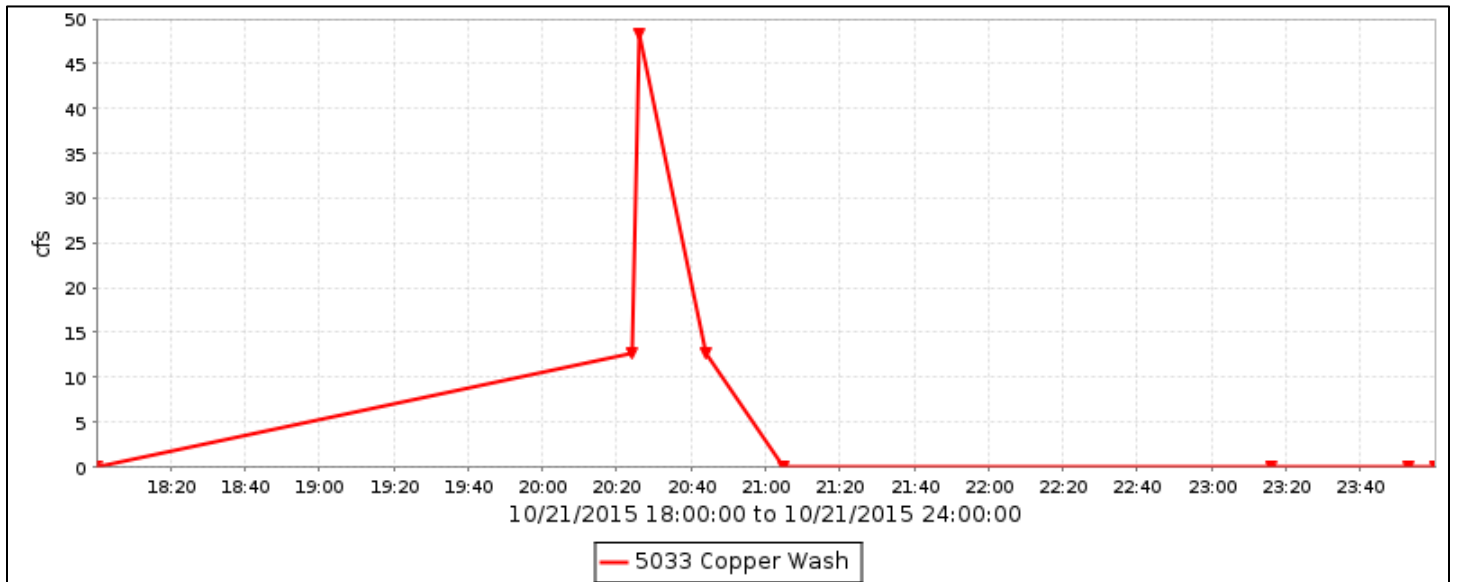
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/21/2015	1.39	48

Hydrograph of peak WY 2016 flow event, 10/21/2015



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
82	264	513	911	1,790	2,860

NOTE: These results are based on very limited data.

Copper Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
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18			---												
19			---												
20		---	---												
21	1	---													
22		---													
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25															
26															
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28															
29															
30					---										
31		---			---		---		---			---			
TOTAL	1	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	48	0	0	0	0	0	0	0	0	0	0	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	2	0	0	0	0	0	0	0	0	0	0	0			
WTR YR 2016	TOTAL		1	MEAN		0	MAX		48	MIN		0	AC_FT		2

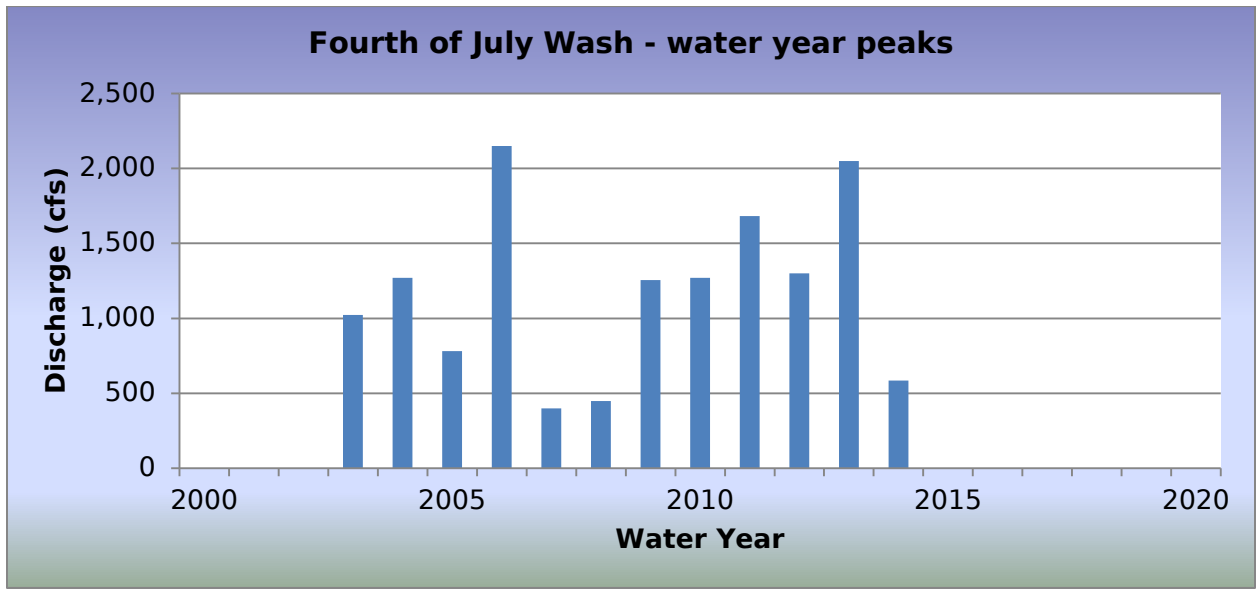
Fourth of July Wash, ID #5043



Site Data

LOCATION	Western Maricopa County about 20 miles west of Arlington
DRAINAGE AREA	3.7 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Gila
SECTION/TOWNSHIP/RANGE	S01 T2S R9W
LATITUDE	N 33° 16' 39.5" +33.27763
LONGITUDE	W 113° 07' 47.1" -113.12976
STREAMGAGE INSTALLATION DATE	03/14/2002 - WY 2002
AVAILABLE PERIOD OF RECORD	03/14/2002 - Current
LENGTH OF AVAILABLE POR DATA	14.55 Years 5,315 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,110.00 feet NAVD 1988
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



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
No Runoff		

Hydrograph of peak WY 2016 flow event

There were no runoff event recorded in Water Year 2016.

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
879	1,530	2,000	2,460	3,060	3,520

NOTE: These results are based on very limited data.

Fourth of July Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

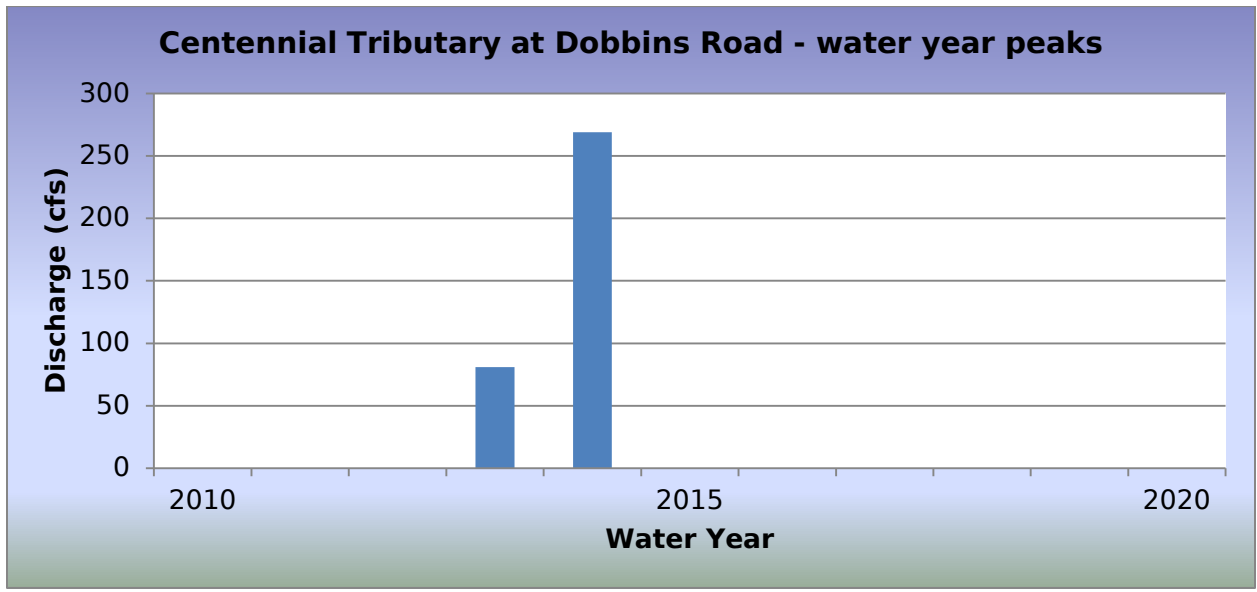
Centennial Tributary at Dobbins Road, ID #5049



Site Data

LOCATION	Located near the intersection of Dobbins Road and 435th Avenue
DRAINAGE AREA	2.47 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S05 T1S R7W
LATITUDE	N 33° 21' 49.1" +33.36364
LONGITUDE	W 112° 59' 35.6" -112.99321
STREAMGAGE INSTALLATION DATE	09/26/2012 - WY 2012
AVAILABLE PERIOD OF RECORD	10/01/2012 - Current
LENGTH OF AVAILABLE POR DATA	4.00 Years 1,461 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.20 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	269 cfs 2.82 feet 03/01/2014

Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
No Runof Events		

Hydrograph of peak WY 2016 flow event

There were no runoff events during Water Year 2016.

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 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

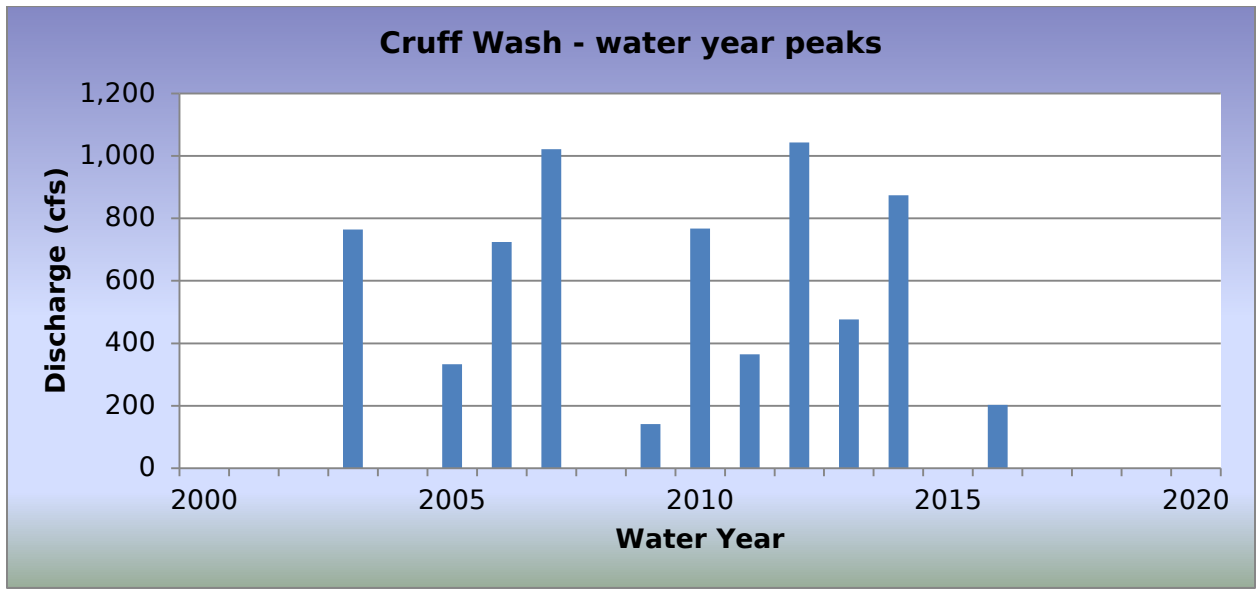
Cruff Wash, ID #5078



Site Data

LOCATION	Located about 7 miles west of Old US80 south of Agua Caliente Road
DRAINAGE AREA	13.2 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S20 T2S R6W
LATITUDE	N 33° 15' 04.0" +33.25111
LONGITUDE	W 112° 52' 54.5" -112.88180
STREAMGAGE INSTALLATION DATE	05/14/2002 - WY 2002
AVAILABLE PERIOD OF RECORD	05/14/2002 - Current
LENGTH OF AVAILABLE POR DATA	14.38 Years 5,254 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.33 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	937.91 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,043 cfs 4.13 feet 08/21/2012

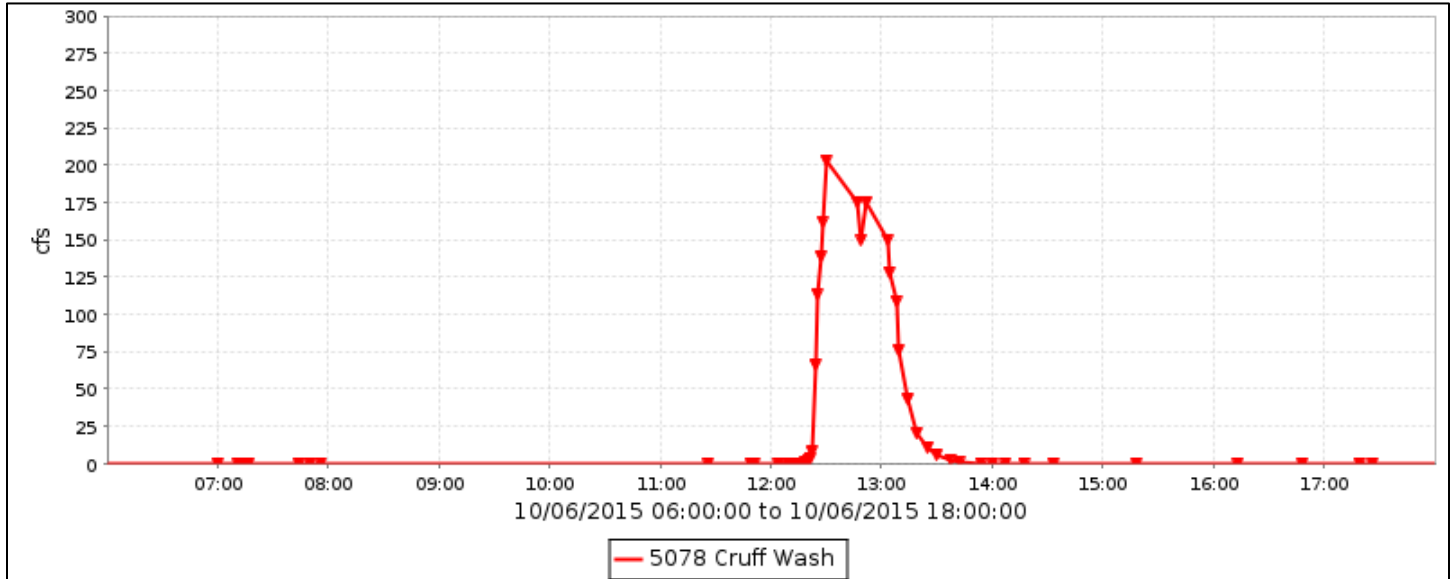
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	2.58	203
10/20/2015	1.76	11

Hydrograph of peak WY 2016 flow event



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
367	802	1,150	1,520	2,030	2,430

NOTE: These results are based on very limited data.

Cruff Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6	6											
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29												
30					---							
31		---			---		---		---			---
TOTAL	6	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	203	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	12	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL	6	MEAN	0	MAX	203	MIN	0	AC_FT	12		

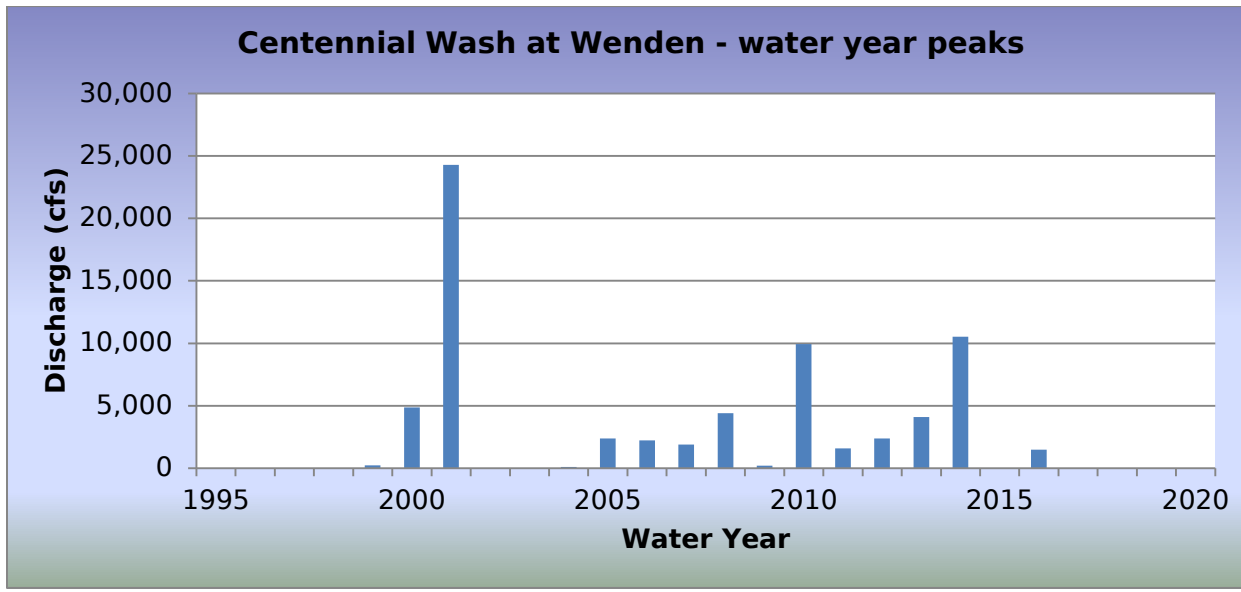
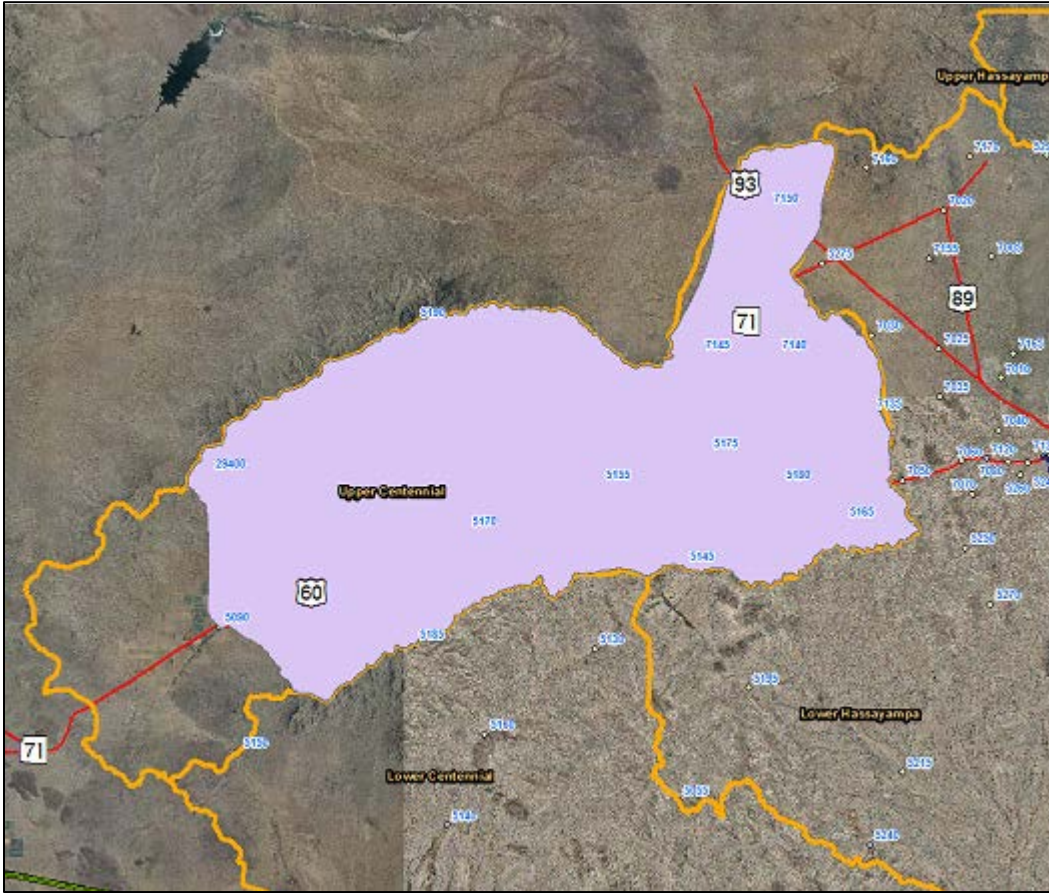
Centennial Wash at Wenden, ID #5093



Site Data

LOCATION	In La Paz County on the eastern side of Wenden
DRAINAGE AREA	586 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	La Paz County
WATERSHED	Upper Centennial
SECTION/TOWNSHIP/RANGE	S32 T6N R12W
LATITUDE	N 33° 49' 27.2" +33.82423
LONGITUDE	W 113° 32' 01.3" -113.53368
STREAMGAGE INSTALLATION DATE	09/16/1998 - WY 1998
AVAILABLE PERIOD OF RECORD	09/16/1998 - Current
LENGTH OF AVAILABLE POR DATA	18.04 Years 6,590 Days
GAPS (> 2 DAYS) IN RECORD	12/01/2002 - 07/07/2004
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,858.64 feet NAVD 1988
POINT OF ZERO FLOW	-1.7 feet Gage Height
EXTREME FOR PERIOD OF RECORD	24,250 cfs 7.82 feet 10/22/2000

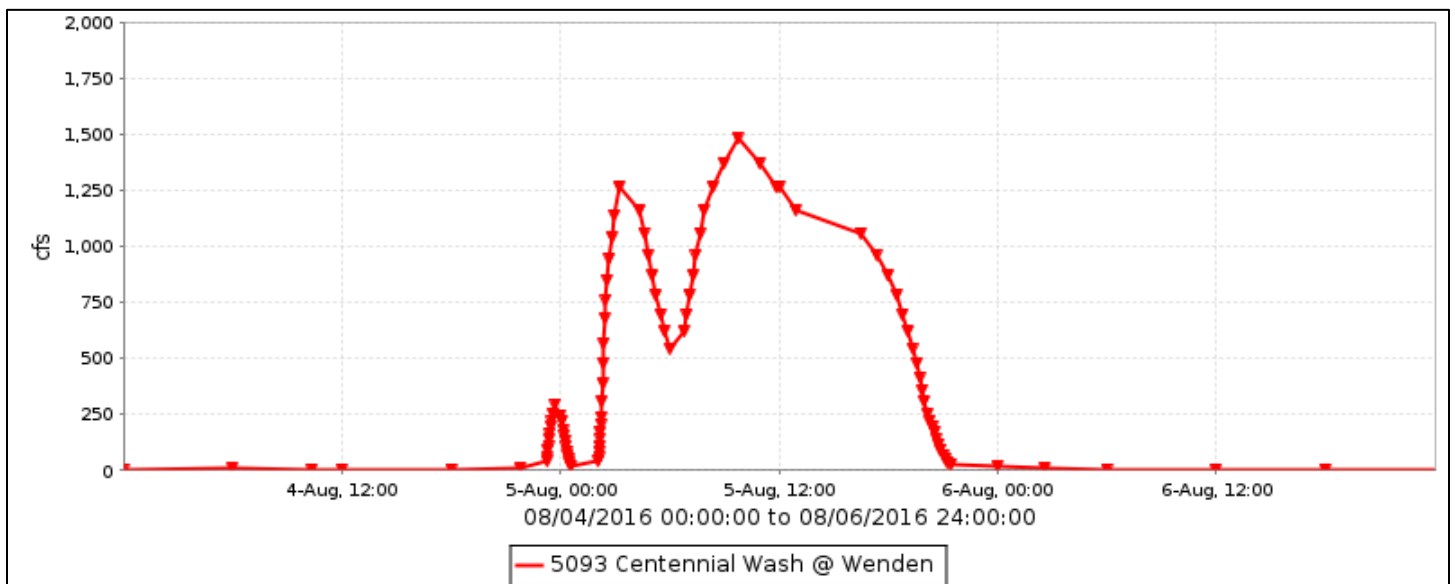
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/21/2015	0.74	103
01/08/2016	0.31	27
08/04/2016	1.40	292
08/05/2016	2.82	1,482
08/11/2016	2.12	777
08/18/2016	1.45	318
08/19/2016	1.85	564
08/24/2016	1.05	177

Hydrograph of peak WY 2016 flow event, 08/05/2016



Flood Flow Frequency

Flood Flow Frequency N=18, HEC-WRC computation (based on 18 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
1,280	6,710	14,500	26,200	48,700	71,500

NOTE: These results are based on very limited data.

Centennial Wash at Wenden, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											---	
3											2	
4											9	
5											798	
6				8							2	
7				22								
8				15								
9												
10											2	
11											70	
12												
13												
14												
15												
16												
17												
18											114	
19											66	
20												
21	7											
22	6											
23												
24									---		30	---
25									---			---
26									---			
27									---			
28									---			
29												
30					---							
31		---			---		---		---			---
TOTAL	13	0	0	45	0	0	0	0	0	0	1039	0
MEAN	0	0	0	1	0	0	0	0	0	0	36	0
MAX	103	0	0	27	0	0	0	0	0	18	1482	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	25	0	0	90	0	0	0	0	0	0	2061	0
WTR YR 2016	TOTAL	1097	MEAN	3	MAX	1482	MIN	0	AC_FT	2177		

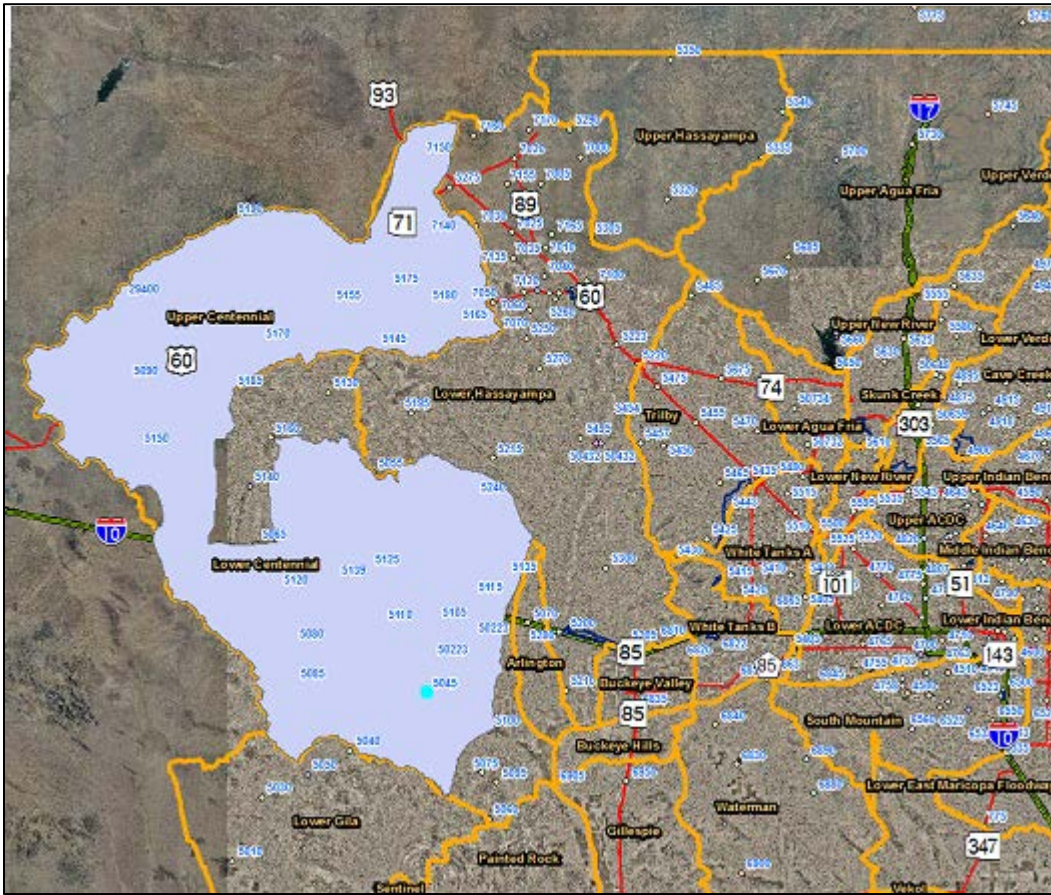
Centennial Wash at SPRR, ID #5103



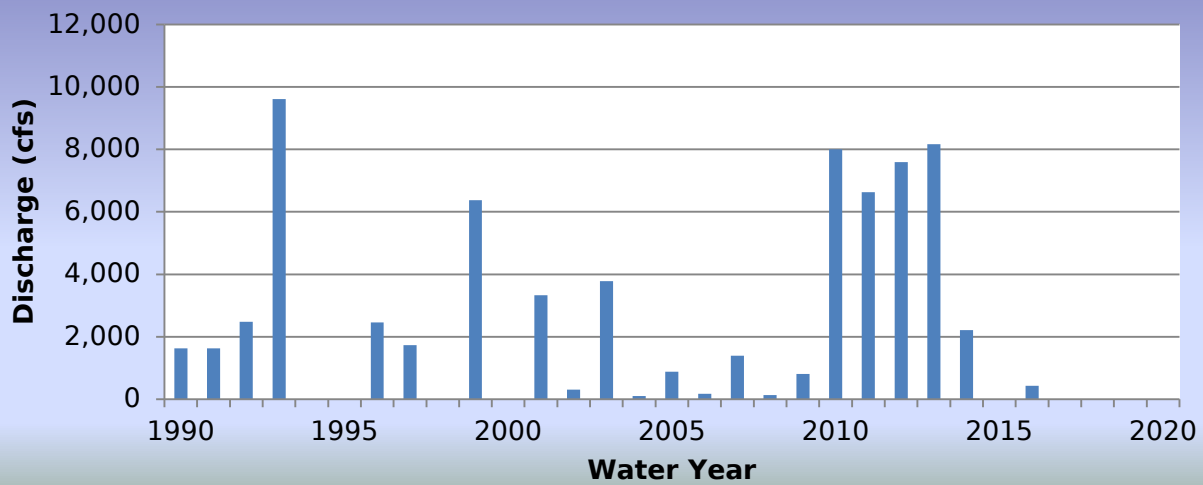
Site Data

LOCATION	Located about 6 miles west of Arlington
DRAINAGE AREA	1,817 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S28 T1S R6W
LATITUDE	N 33° 18' 35.6" +33.30986
LONGITUDE	W 112° 52' 58.4" -112.88289
STREAMGAGE INSTALLATION DATE	02/09/1990 - WY 1990
AVAILABLE PERIOD OF RECORD	02/09/1990 - Current
LENGTH OF AVAILABLE POR DATA	26.64 Years 9,731 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	3.16 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	839.44 feet NAVD 1988
POINT OF ZERO FLOW	2.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	9,616 cfs 9.10 feet 02/08/1993
EXTREME OUTSIDE PERIOD OF RECORD	15,600 cfs 09/02/1984

Watershed Map



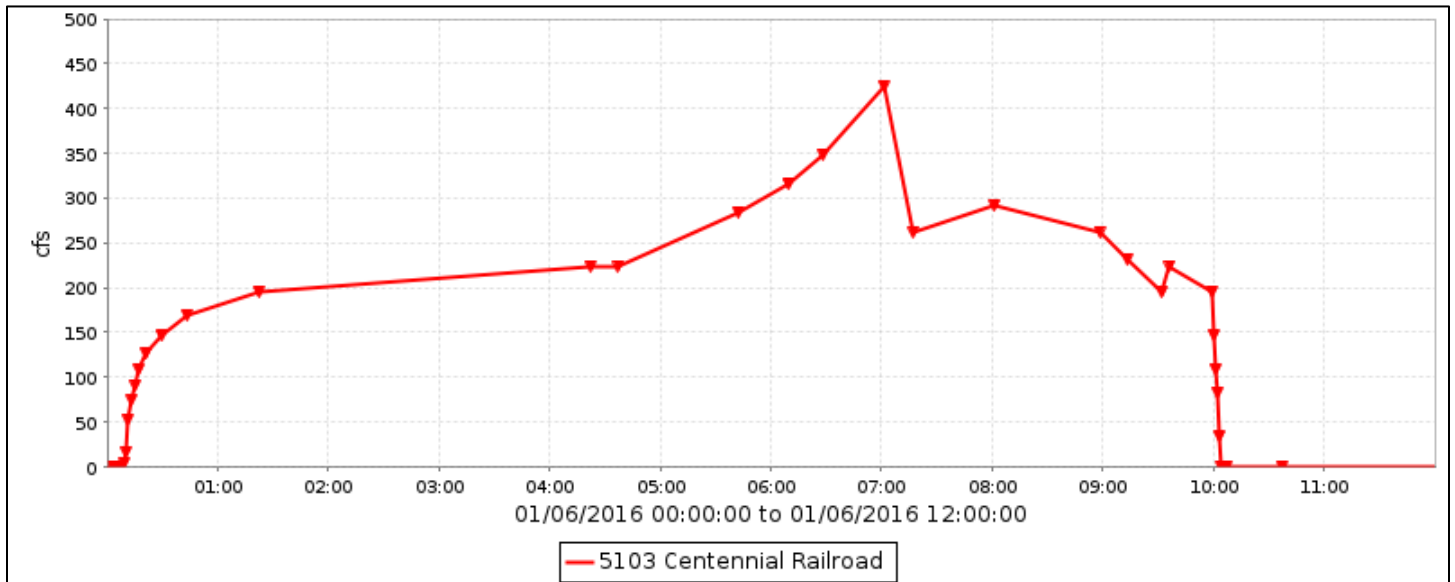
Centennial at UPRR - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/06/2016	6.31	425

Hydrograph of peak WY 2016 flow event, 01/06/2016



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
1,140	4,410	8,270	13,400	22,200	30,300

NOTE: These results are based on very limited data.

Centennial Wash at SPRR, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4												---	
5												---	
6				96									
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31		---					---			---		---	
TOTAL	0	0	0	96	0	0	0	0	0	0	0	0	
MEAN	0	0	0	3	0	0	0	0	0	0	0	0	
MAX	0	0	0	425	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	191	0	0	0	0	0	0	0	0	
WTR YR 2016	TOTAL		96	MEAN		0	MAX	425	MIN		0	AC_FT	191

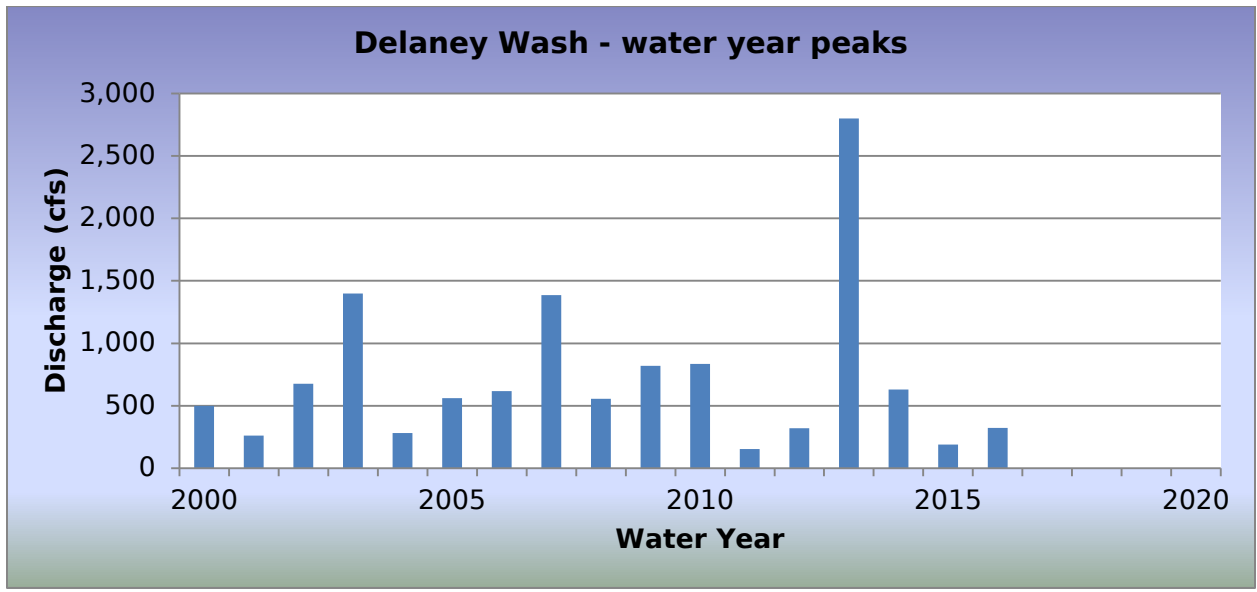
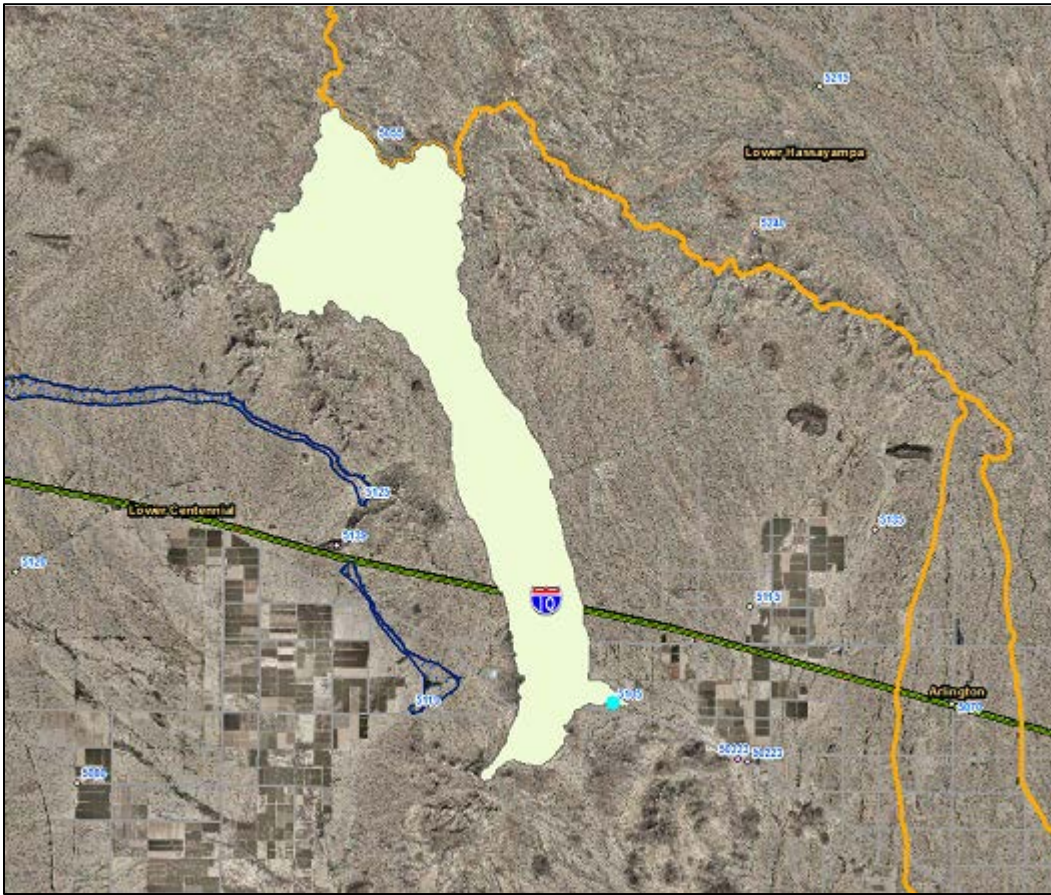
Delaney Wash - ID #5108



Site Data

LOCATION	Near Salome Road and 427th Avenue
DRAINAGE AREA	49 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S34 T2N R7W
LATITUDE	N 33° 28' 08.3" +33.46897
LONGITUDE	W 112° 58' 10.4" -112.96955
STREAMGAGE INSTALLATION DATE	12/22/1999 - WY 2000
AVAILABLE PERIOD OF RECORD	12/22/1999 - Current
LENGTH OF AVAILABLE POR DATA	16.78 Years 6,128 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.11 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,112.03 feet NAVD 1988
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,800 cfs 8.06 feet 09/09/2013

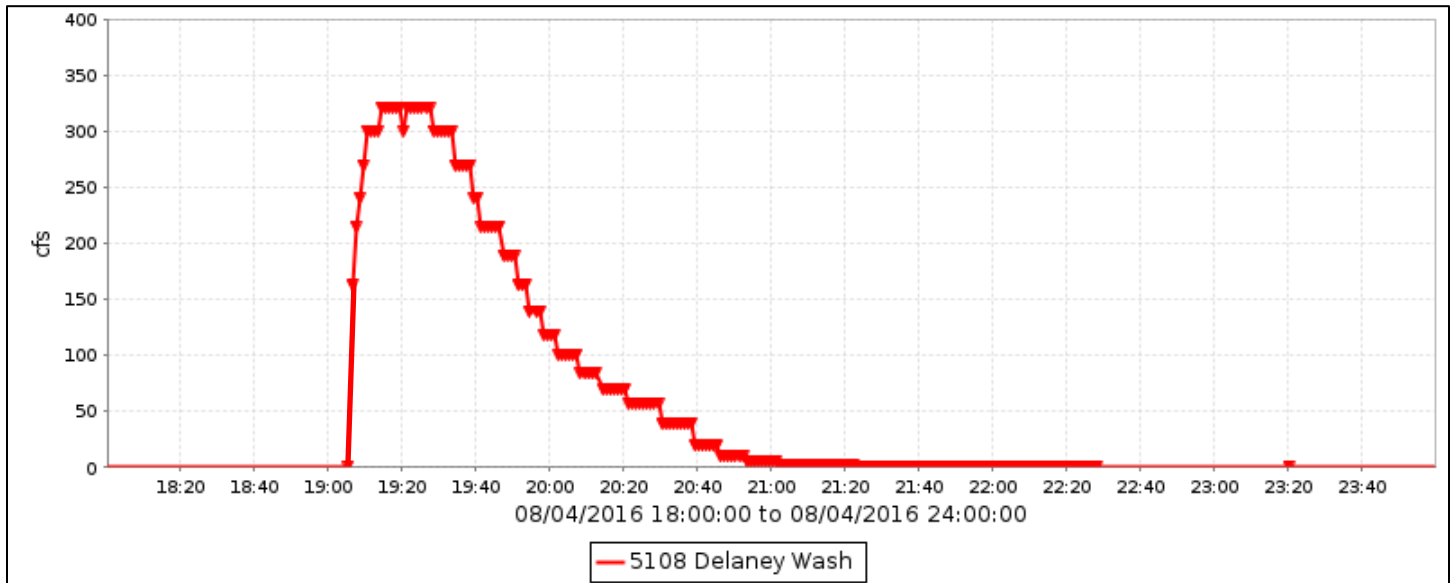
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/06/2016	1.71	83
08/02/2016	2.31	214
08/04/2016	2.71	321

Hydrograph of peak WY 2016 flow event, 08/04/2016



Flood Flow Frequency

Flood Flow Frequency N=17, HEC-WRC computation (based on 17 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
538	1,030	1,450	1,930	2,680	3,340

NOTE: These results are based on very limited data.

Delaney Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2											8		
3													
4											15	---	
5												---	
6				4									
7													
8													
9													
10													
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21											---		
22													
23													
24													
25													
26													
27													
28													
29													
30							---						
31		---					---		---			---	
TOTAL	0	0	0	4	0	0	0	0	0	0	22	0	
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	
MAX	0	0	0	83	0	0	0	0	0	0	321	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	0	0	0	9	0	0	0	0	0	0	45	0	
WTR YR 2016	TOTAL		27	MEAN		0	MAX	321	MIN		0	AC_FT	54

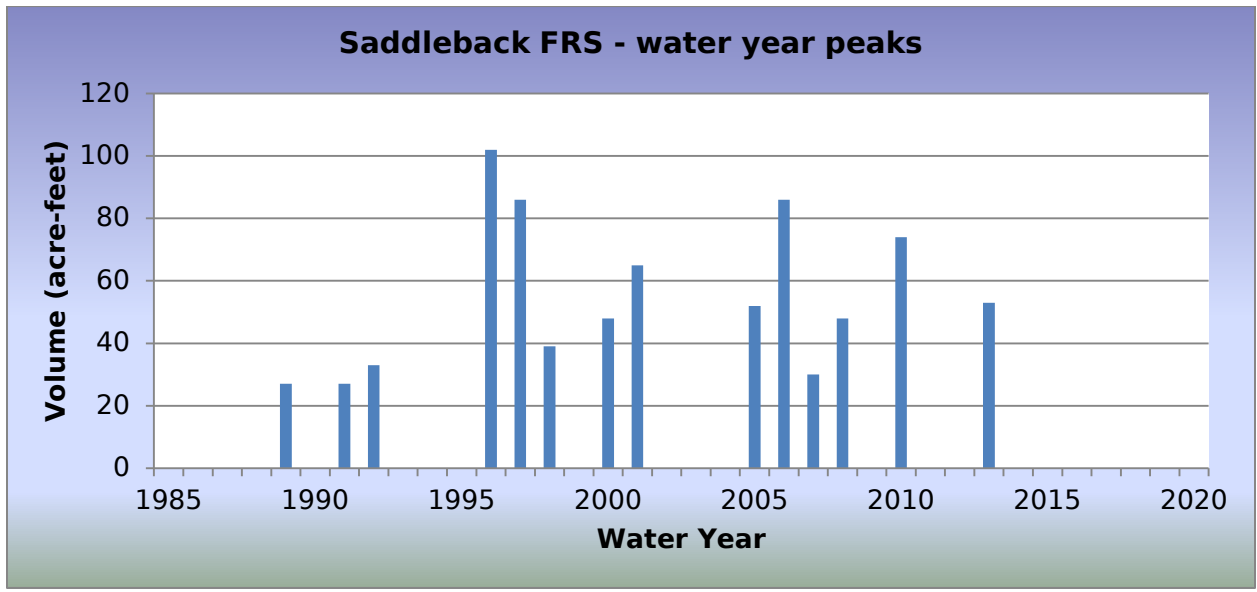
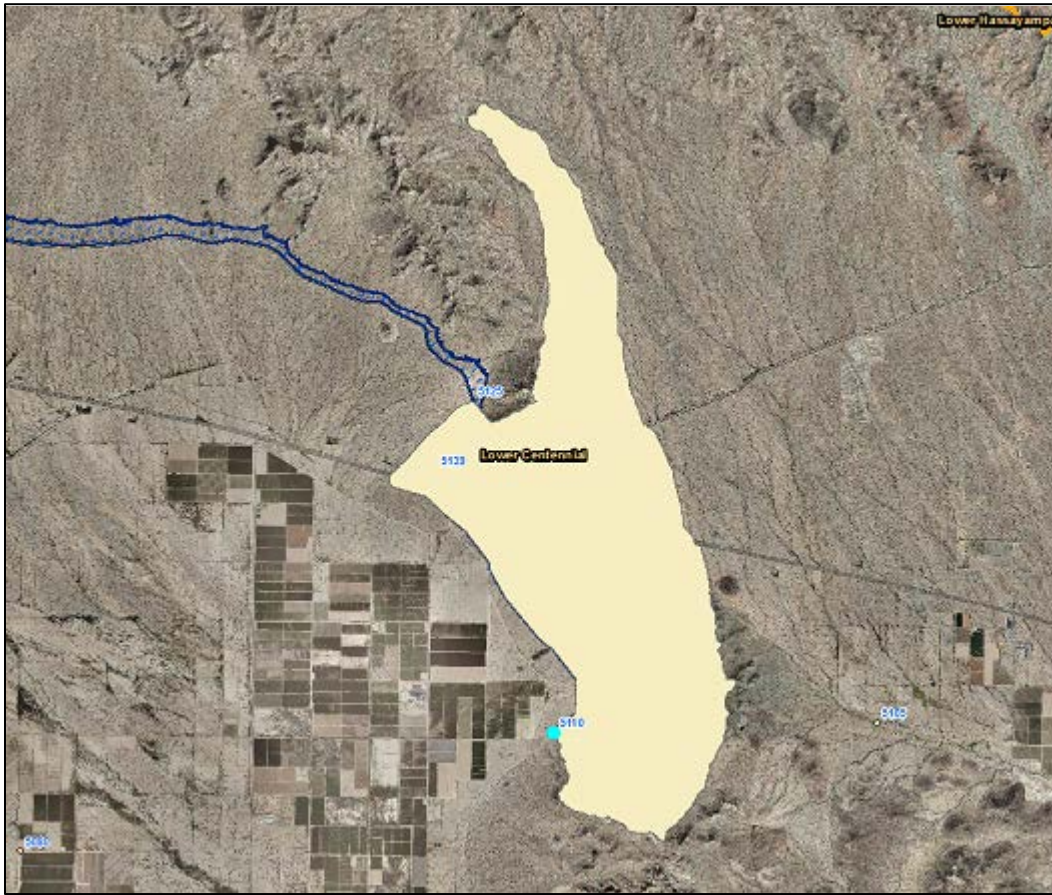
Saddleback FRS, ID #5113



Site Data

LOCATION	Located south of I-10 along Courthouse Road
DRAINAGE AREA	29.6 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S34 T2N R8W
LATITUDE	N 33° 27' 59.8" +33.46660
LONGITUDE	W 113° 04' 21.3" -113.07258
STREAMGAGE INSTALLATION DATE	12/16/1988 - WY 1989
AVAILABLE PERIOD OF RECORD	12/16/1988 - Current
LENGTH OF AVAILABLE POR DATA	27.79 Years 10,151 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.30 feet Gage Height
STAFF GAGES	3
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,178.93 feet NAVD 1988
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	No Spillway
TOP OF DAM ELEVATION	16.0 feet Gage Height

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

There were no impoundments recorded in Water Year 2016.

Saddleback FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5															
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

Saddleback FRS, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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		---			---		---		---			---
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 2016	MEAN	0	MAX	0	MIN	0						

Saddleback FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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 2016	MEAN	0.30	MAX	0.30	MIN	0.30						

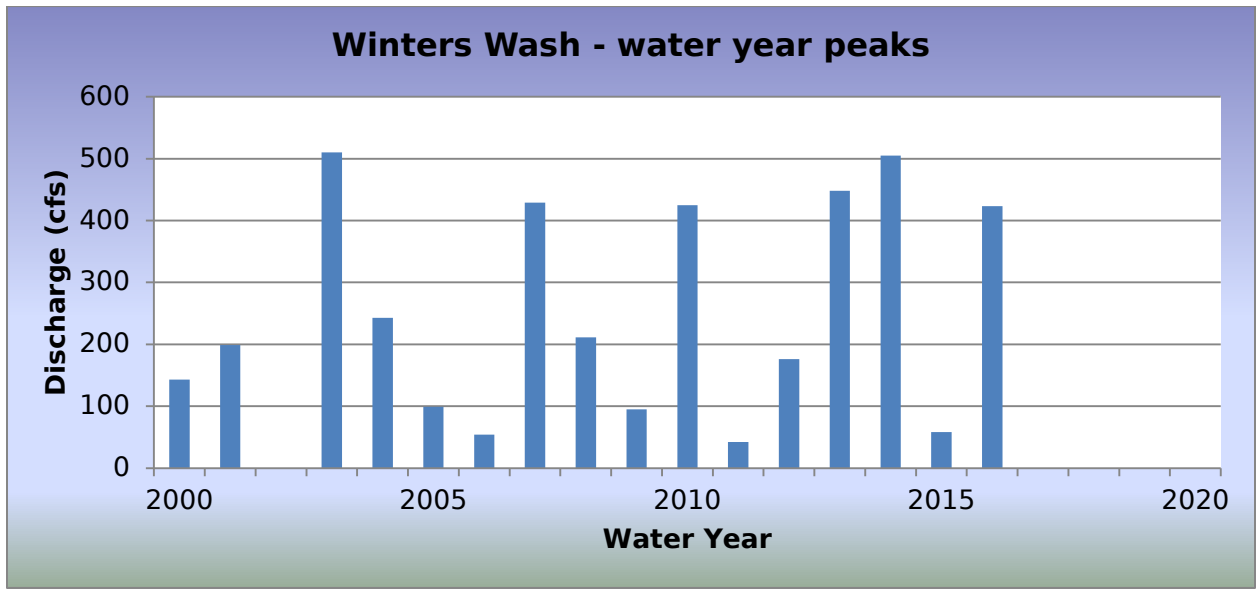
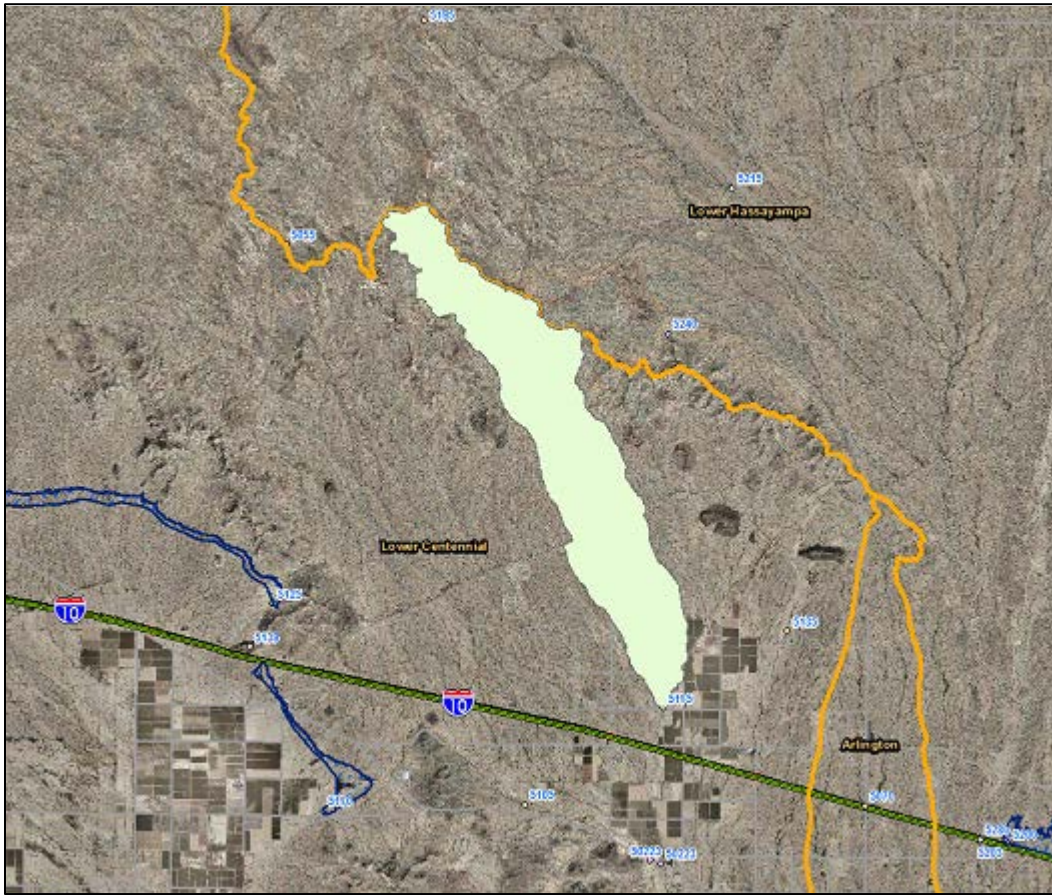
Winters Wash, ID #5118



Site Data

LOCATION	Located north of Camelback Road and west of 395th Avenue
DRAINAGE AREA	27.8 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S18 T2N R6W
LATITUDE	N 33° 30' 31.5" +33.50876
LONGITUDE	W 112° 54' 44.0" -112.91222
STREAMGAGE INSTALLATION DATE	07/11/2000 - WY 2000
PERIOD OF AVAILABLE DATA RECORD	07/11/2000 - Current
LENGTH OF AVAILABLE POR DATA	16.22 Years 5,926 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.51 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,120.00 feet NAVD 1988
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	510 cfs 3.30 feet 07/29/2003

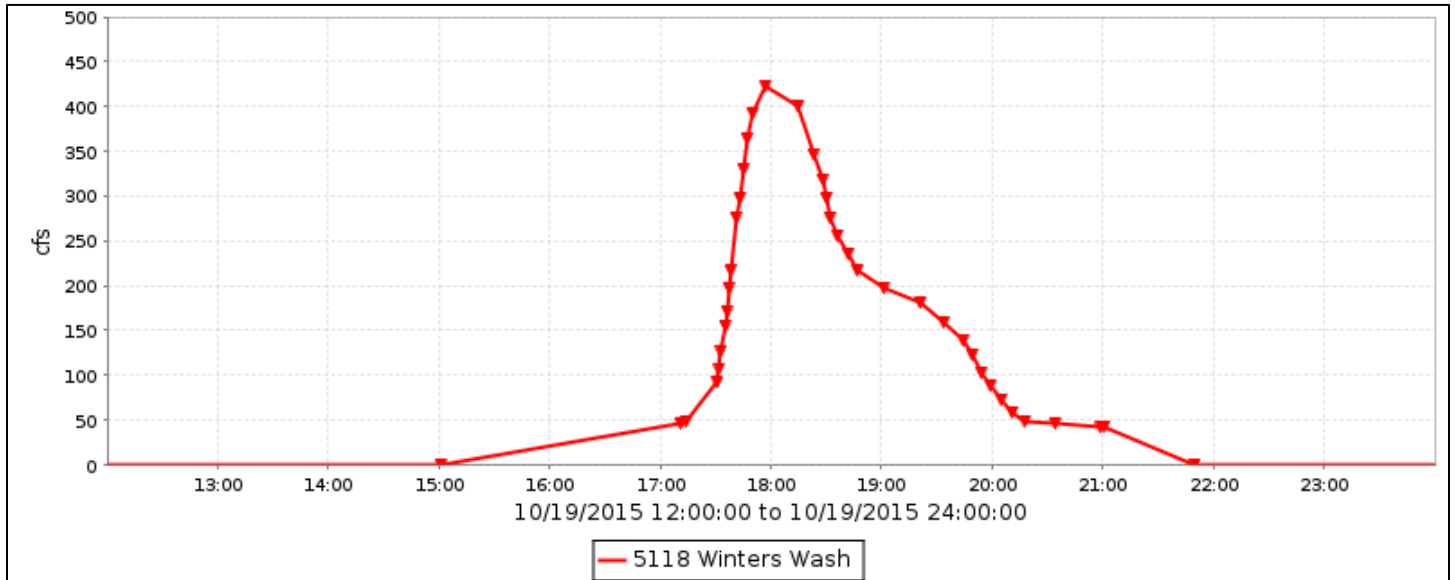
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	1.04	55
10/19/2015	2.98	423
10/20/2015	0.88	47
01/06/2016	1.44	115

Hydrograph of peak WY 2016 flow event, 10/19/2015



Flood Flow Frequency

Flood Flow Frequency N=17, HEC-WRC computation (based on 17 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
184	377	535	707	955	1,160

NOTE: These results are based on very limited data.

Winters Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												---
5												---
6	3			11								
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19	31											
20	5											
21												
22												
23												
24												
25												
26										---		
27										---		
28												
29												
30												
31												
TOTAL	39	0	0	11	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	0	0	0	0	0
MAX	423	0	0	115	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	77	0	0	22	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL	50	MEAN	0	MAX	423	MIN	0	AC_FT	99		

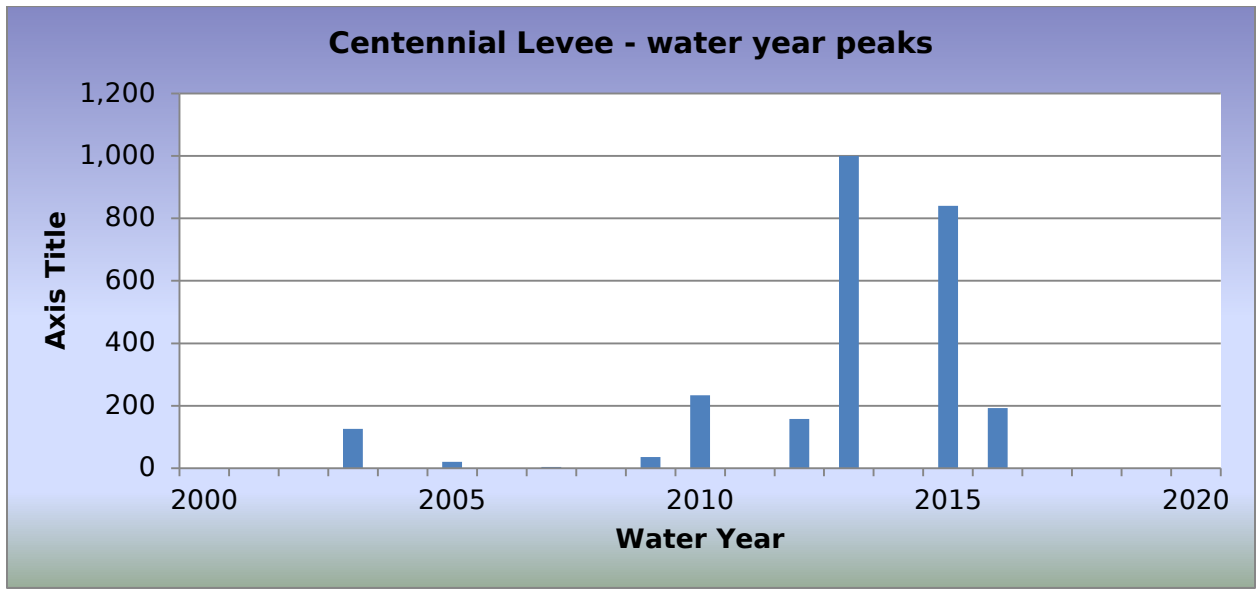
Centennial Levee, ID #5123



Site Data

LOCATION	Located in western Maricopa County, southwest of Salome Road and I-10
DRAINAGE AREA	Undetermined
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	07/09/2003 - Current
LENGTH OF AVAILABLE POR DATA	13.23 Years 4,833 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.65 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,261.00 feet NAVD 1988
POINT OF ZERO FLOW	0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,000 cfs 4.50 feet 09/09/2013

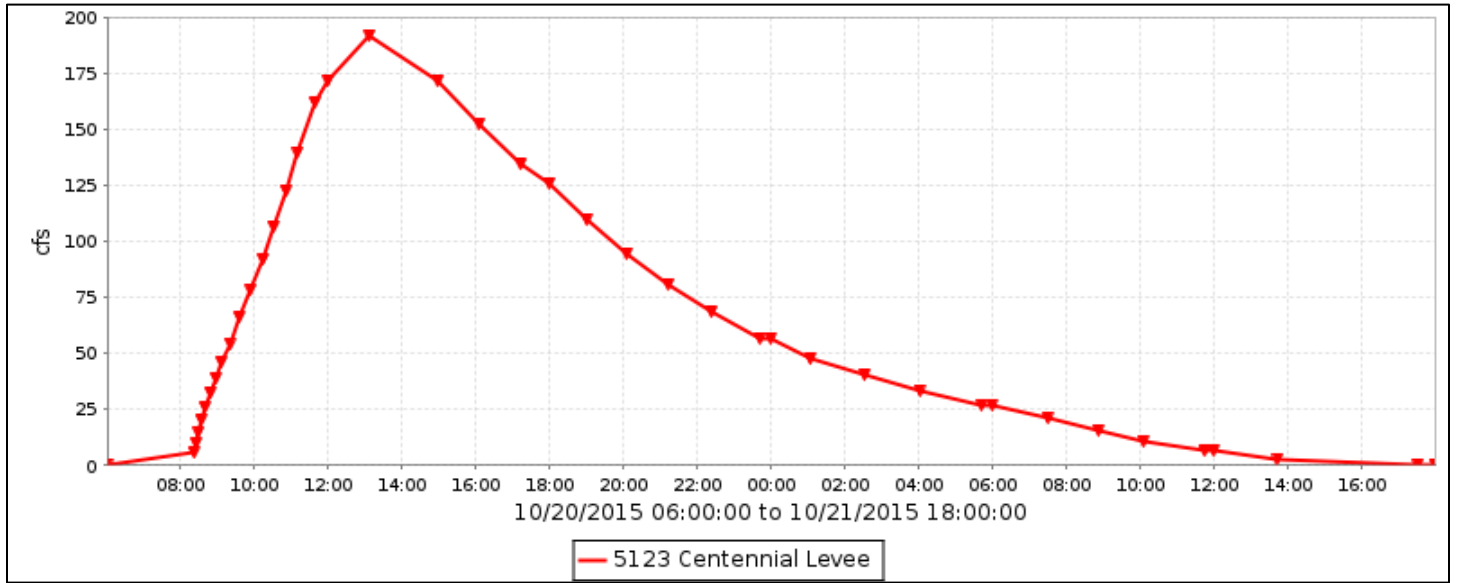
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/20/2015	2.52	192

Hydrograph of peak WY 2016 flow event, 10/20/2015



Flood Flow Frequency

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

Centennial Levee, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	78											
21	16											
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---		---	---		---		---			---
TOTAL	94	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	0	0	0	0	0	0	0	0	0	0	0
MAX	192	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	187	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL	94	MEAN	0	MAX	192	MIN	0	AC_FT	187		

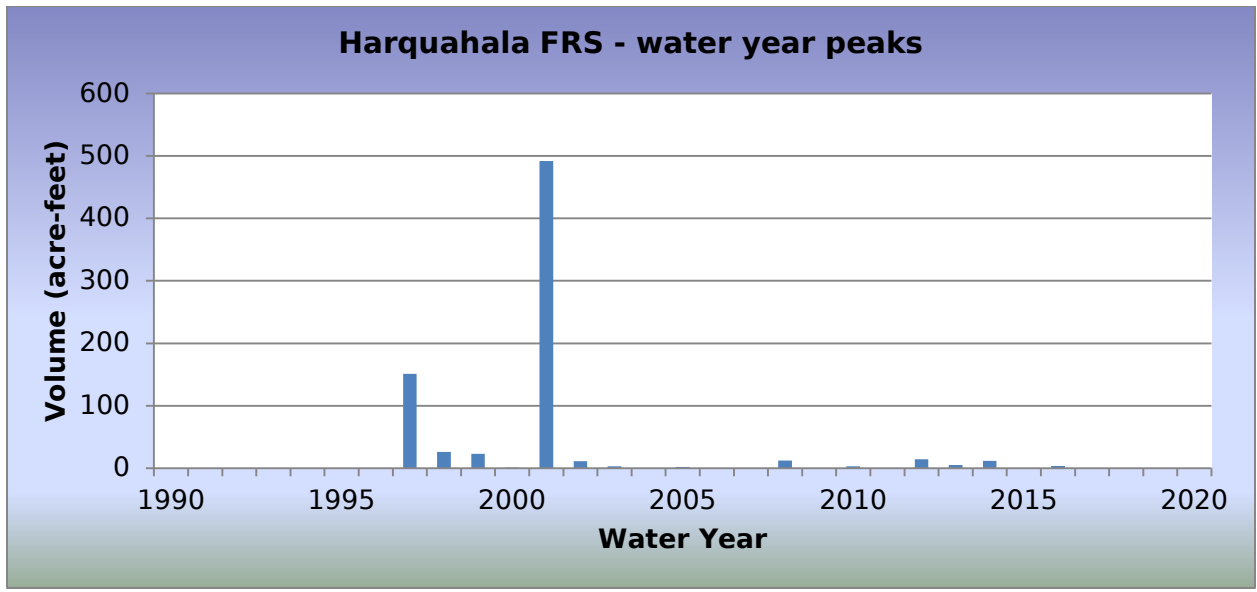
Harquahala FRS, ID #5128



Site Data

LOCATION	Located northeast of I-10 and Salome Highway interchange
DRAINAGE AREA	102.3 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S05 T2N R8W
LATITUDE	N 33° 32' 55.3" +33.54868
LONGITUDE	W 113° 05' 51.8" -113.09772
STREAMGAGE INSTALLATION DATE	03/01/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	03/01/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.59 Years 8,250 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.38 feet Gage Height
STAFF GAGES	7
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,374.89 feet NAVD 1988
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

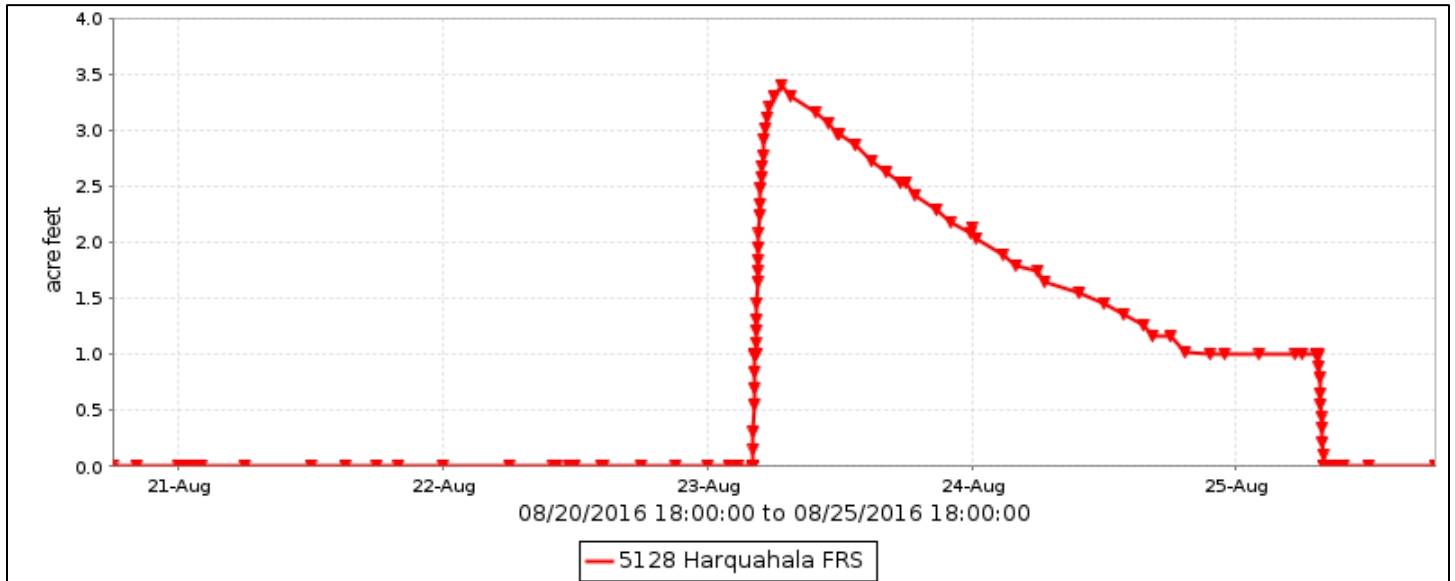
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/03/2016	2.09	0.0	0.0
08/23/2016	8.59	3.4	0.1

Hydrograph of peak WY 2016 impoundment event, 08/23/2016



Harquahala FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5															
6															
7															
8															
9															
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23															
24															
25															
26															
27															
28															
29															
30					---										
31		---			---		---		---			---			
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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

Harquahala FRS, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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											2	
24											1	
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	3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	3	MIN	0					

Harquahala FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4
4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.9	0.4
5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.8	0.4
6	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	1.6	0.4
7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.5	0.4
8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.4	0.4
9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.4	0.4
10	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3	0.4
11	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	0.4
12	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	0.4
13	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	0.4
14	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	0.4
15	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0	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	0.8	0.4
21	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.8	0.4
22	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.6	0.4
23	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	6.8	0.4
24	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	6.6	0.4
25	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2.3	0.4
26	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
27	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
28	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
29	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
30	0.4	0.4	0.4	0.4	---	0.4	0.4	0.4	0.4	0.4	0.4	0.4
31	0.4	---	0.4	0.4	---	0.4	---	0.4	---	0.4	0.4	---
MEAN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.4	0.4
MAX	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	8.6	0.4
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 2016	MEAN	0.47	MAX	8.59	MIN	0.38						

Tiger Wash, ID #5163



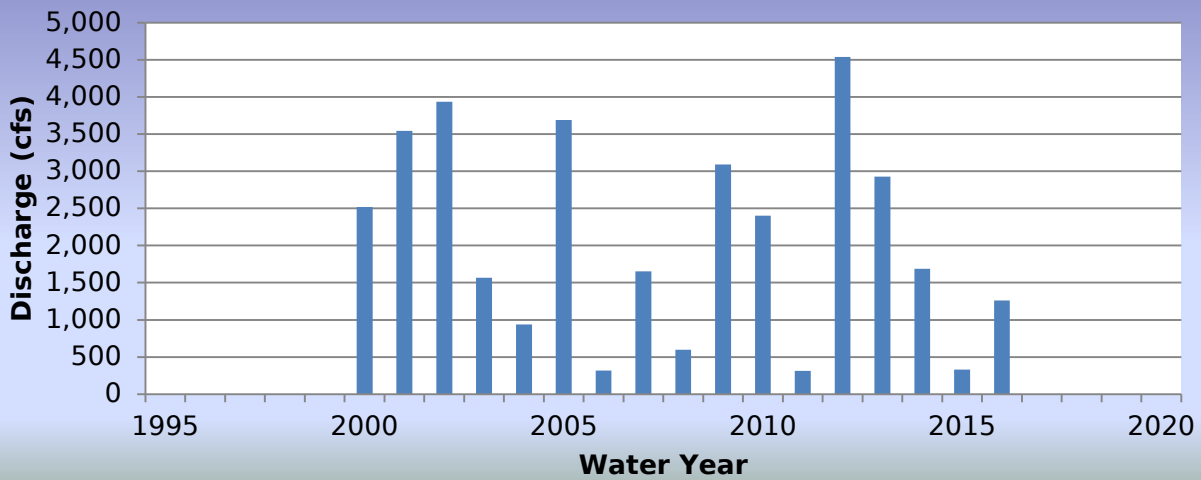
Site Data

LOCATION	Near Eagle Eye Road about 10 miles north of Salome Road
DRAINAGE AREA	85 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Centennial
SECTION/TOWNSHIP/RANGE	S26 T5N R10W
LATITUDE	N 33° 44' 30.3" +33.74175
LONGITUDE	W 113° 16' 42.8" -113.27855
STREAMGAGE INSTALLATION DATE	09/15/1999 - WY 1999
AVAILABLE PERIOD OF RECORD	09/15/1999 - Current
LENGTH OF AVAILABLE POR DATA	17.05 Years 6,226 Days
GAPS (> 2 DAYS) IN RECORD	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 NAVD 1988
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



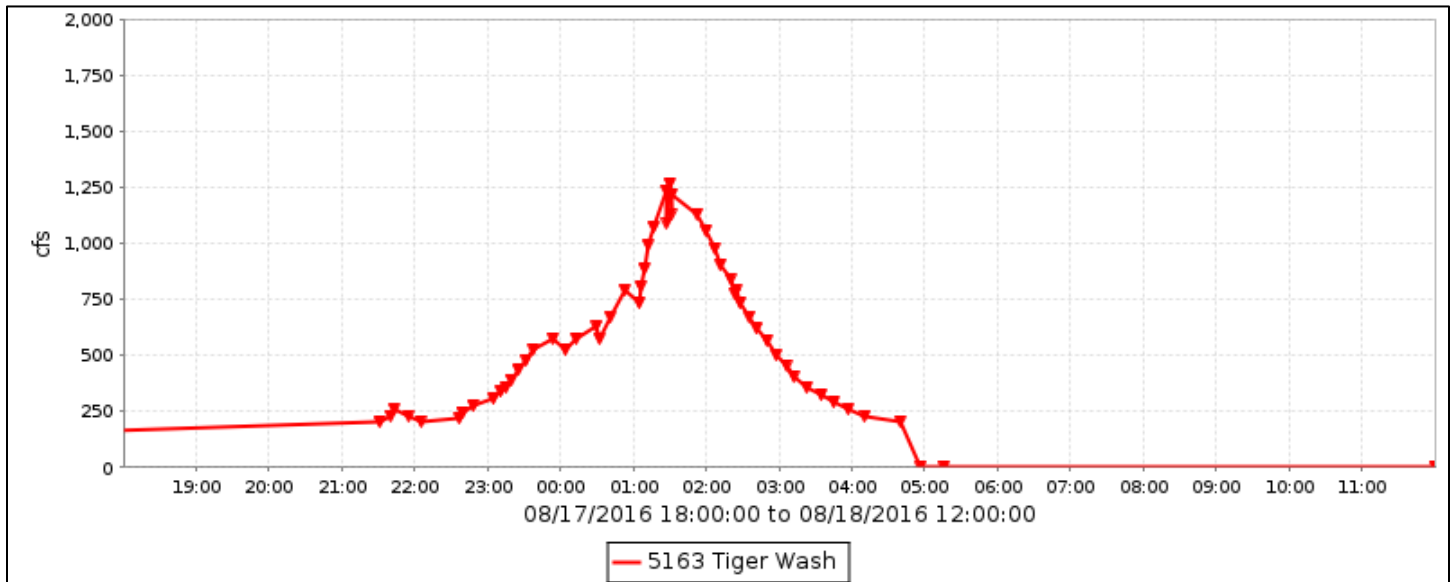
Tiger Wash - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	5.21	304
08/18/2016	6.85	1,260

Hydrograph of peak WY 2016 flow event, 08/18/2016



Flood Flow Frequency

Flood Flow Frequency N=44, HEC-WRC computation (based on 44 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
1,110	2,940	4,580	6,400	9,020	11,100

NOTE: These results are based on very limited data.

Tiger Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4													
5													
6	35												
7													
8													
9													
10													
11													
12													
13													
14							---						
15													
16													
17											32		
18											126		
19													
20													
21													
22													
23													
24												---	
25												---	
26													
27							---						
28													
29													
30							---						
31												---	
TOTAL	35	0	0	0	0	0	0	0	0	0	158	0	
MEAN	1	0	0	0	0	0	0	0	0	0	5	0	
MAX	304	0	0	0	0	0	0	0	0	0	1260	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	69	0	0	0	0	0	0	0	0	0	314	0	
WTR YR 2016	TOTAL		193	MEAN		1	MAX	1260	MIN		0	AC_FT	383

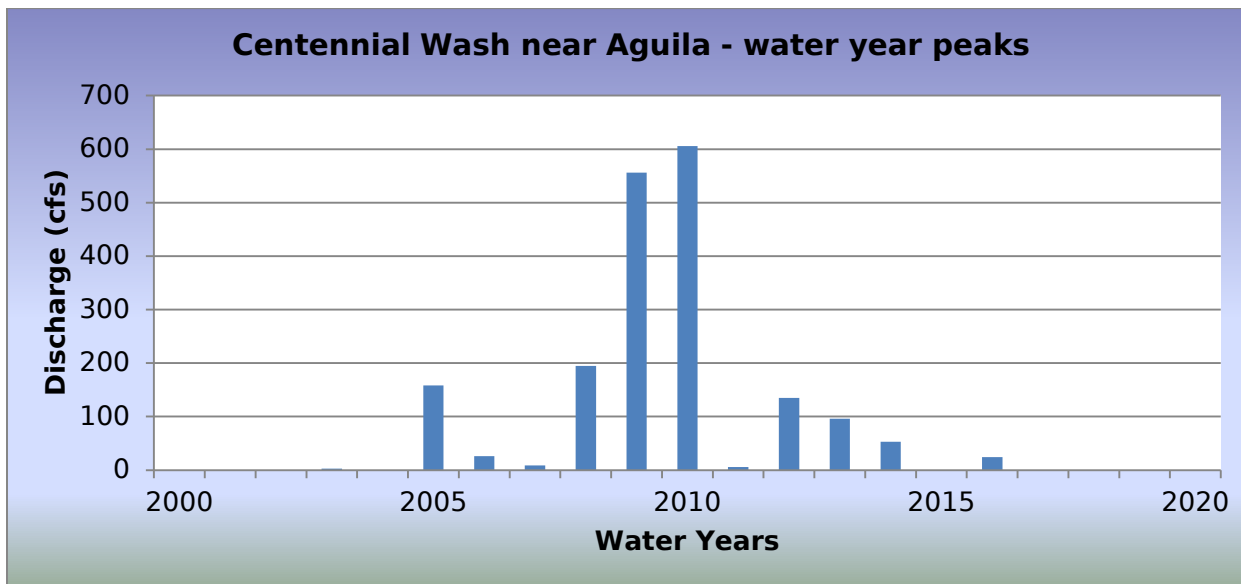
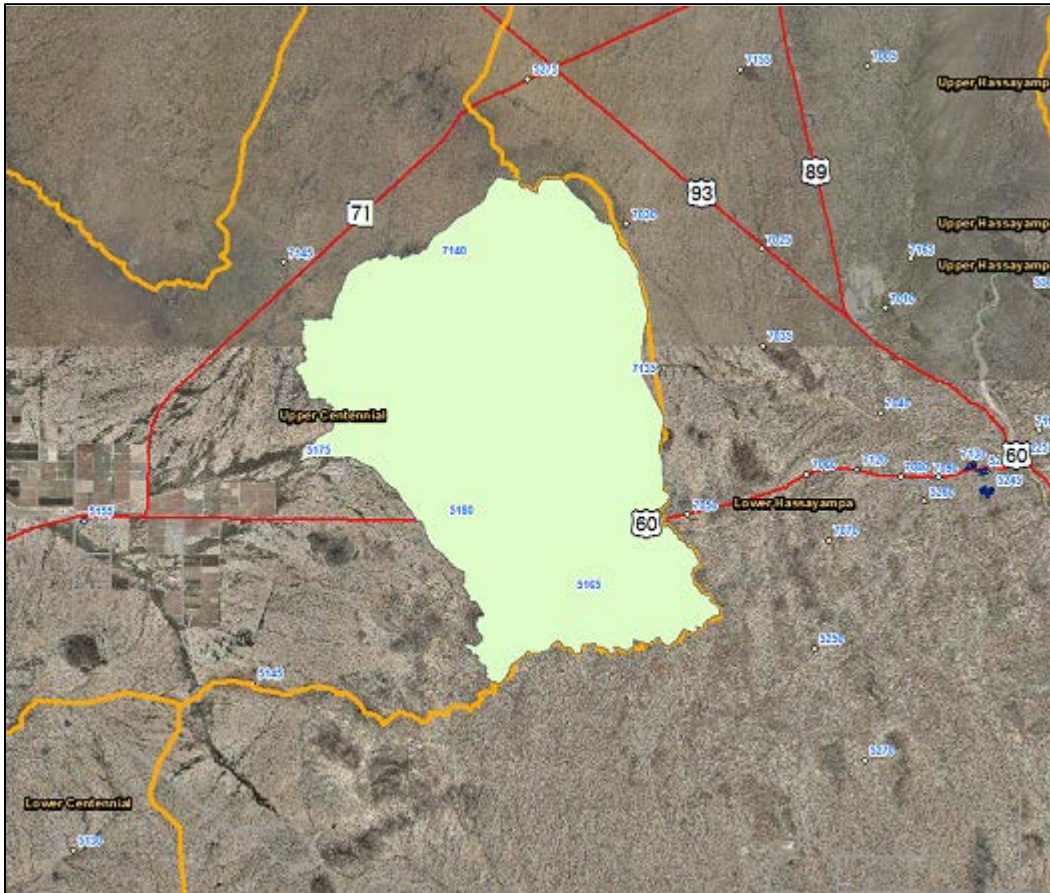
Centennial Wash near Aguila, ID #5178



Site Data

LOCATION	Along the Arizona and California Railroad east of SR 71
DRAINAGE AREA	Undetermined
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	06/05/2001 - Current
LENGTH OF AVAILABLE POR DATA	15.32 Years 5,597 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	2,272.84 feet NAVD 1988
POINT OF ZERO FLOW	-0.5 feet Gage Height
EXTREME FOR PERIOD OF RECORD	606 cfs 3.37 feet 01/21/2010

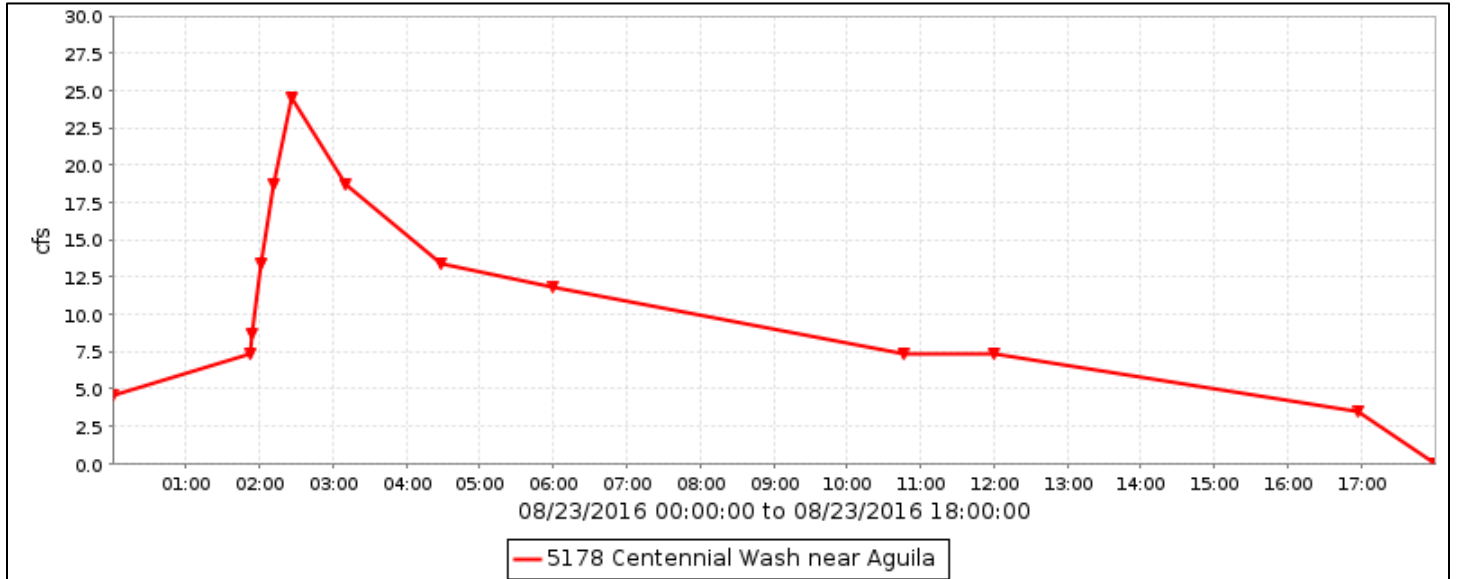
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/22/2016	0.50	20
08/23/2016	0.58	24

Hydrograph of peak WY 2016 flow event, 08/23/2016



Flood Flow Frequency

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

Centennial Wash near Aguila, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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											4	
23											8	
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	12	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	24	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	24	0
WTR YR 2016	TOTAL	12	MEAN	0	MAX	24	MIN	0	AC_FT	24		

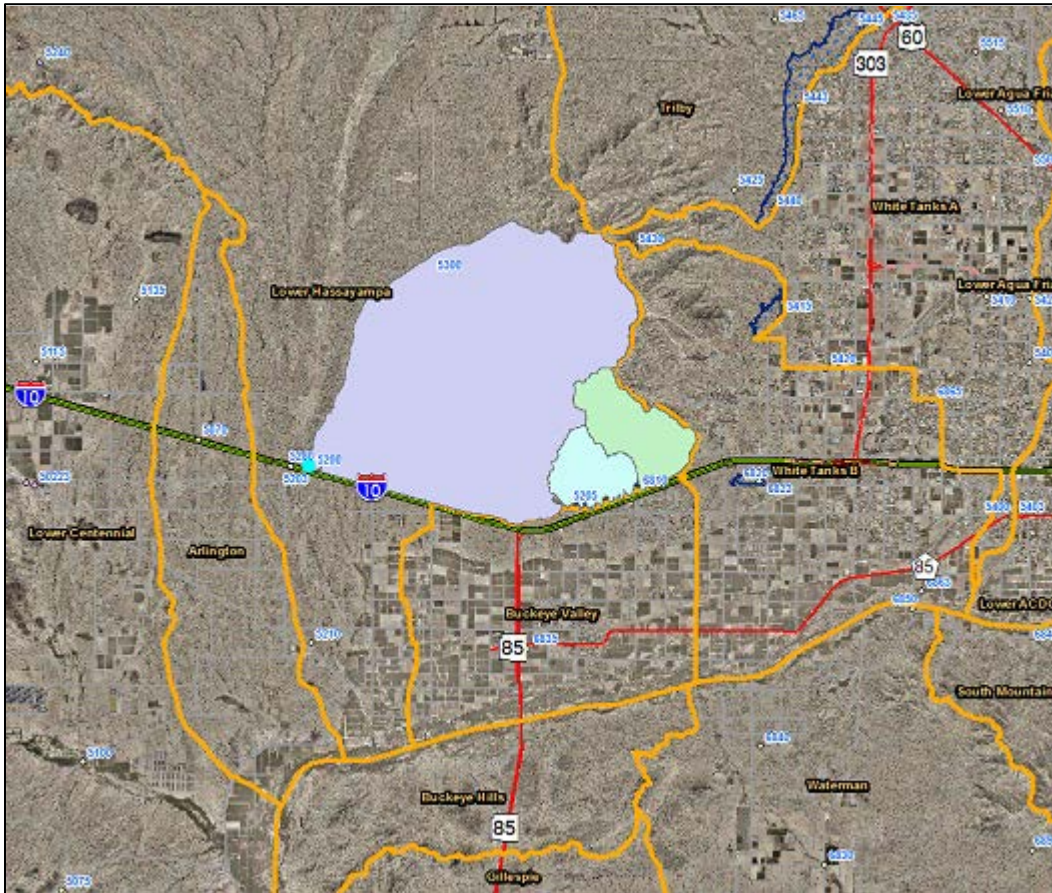
Buckeye FRS #1, ID #5203



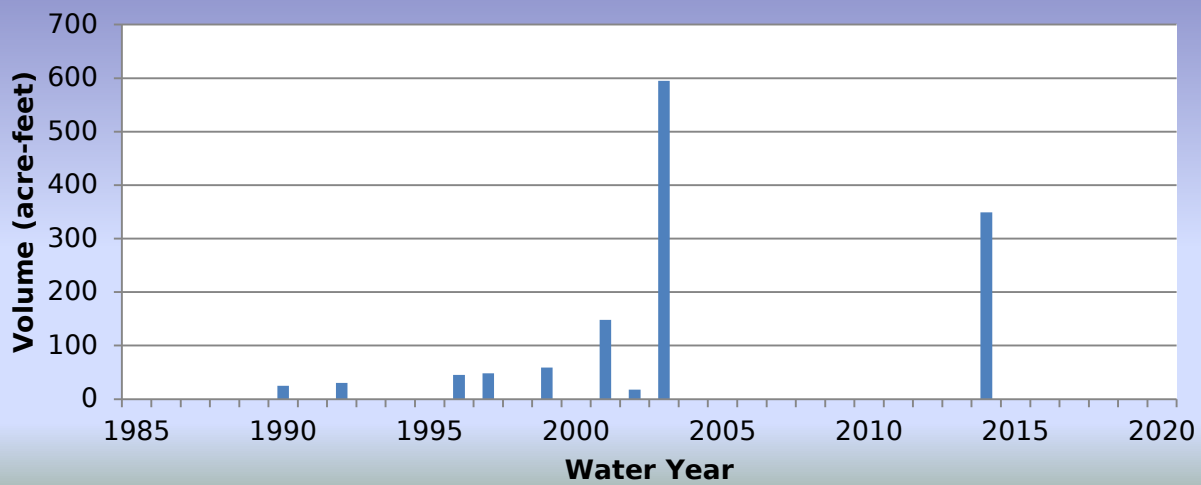
Site Data

LOCATION	Located near I-10 and the Hassayampa River
DRAINAGE AREA	74 mi ² Excluding structures 2 and 3
STREAM TYPE	Dam of natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
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	11/23/1987 - Current
LENGTH OF AVAILABLE POR DATA	28.86 Years 10,540 Days
GAPS (> 2 DAYS) IN RECORD	01/21/2010 - 03/01/2010
STAGE GAGE ELEVATION	-2.30 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,062.10 feet NAVD 1988
POINT OF ZERO FLOW (UNCONTROLLED OUTLET)	-2.49 feet Gage Height
SPILLWAY ELEVATION	18.7 feet Gage Height
TOP OF DAM ELEVATION	27.5 feet Gage Height

Watershed Map



Buckeye #1 FRS - water year peaks



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

There was no impoundment recorded during Water Year 2016.

Buckeye FRS #1, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	4	1	0	2	0	0	0	0	3	2	2	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	8	2	0	4	0	0	0	0	5	4	3	2
WTR YR 2016	TOTAL	14	MEAN	0	MAX	0	MIN	0	AC_FT	29		

Buckeye FRS #1, volume data

Station Number: 44007 Name: Buckeye FRS #1 Slave

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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 2016	MEAN		0	MAX	0	MIN	0					

Buckeye FRS #1, stage data

Station Number: 4400 Name: Buckeye FRS #1 Slave

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
2	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
3	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
4	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	---
5	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	---
6	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
7	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
8	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
9	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
10	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
11	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
12	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
13	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
14	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
15	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
16	---	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
17	---	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
18	---	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
19	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
20	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
21	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
22	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
23	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
24	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
25	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
26	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	---	-2.3	-2.3	-2.3
27	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	---	-2.3	-2.3	-2.3
28	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
29	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
30	---	-2.3	-2.3	-2.3	---	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
31	---	---	-2.3	-2.3	---	-2.3	---	-2.3	---	-2.3	-2.3	---
MEAN	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
MAX	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
MIN	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
WTR YR 2016	MEAN	-2.30	MAX	-2.30	MIN	-2.30						

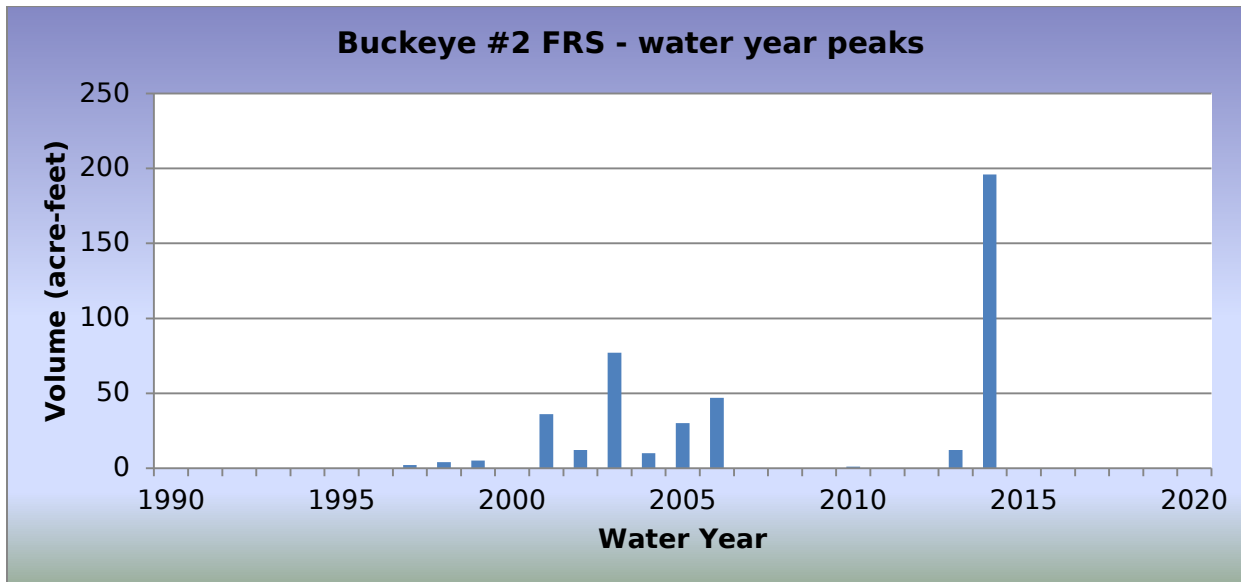
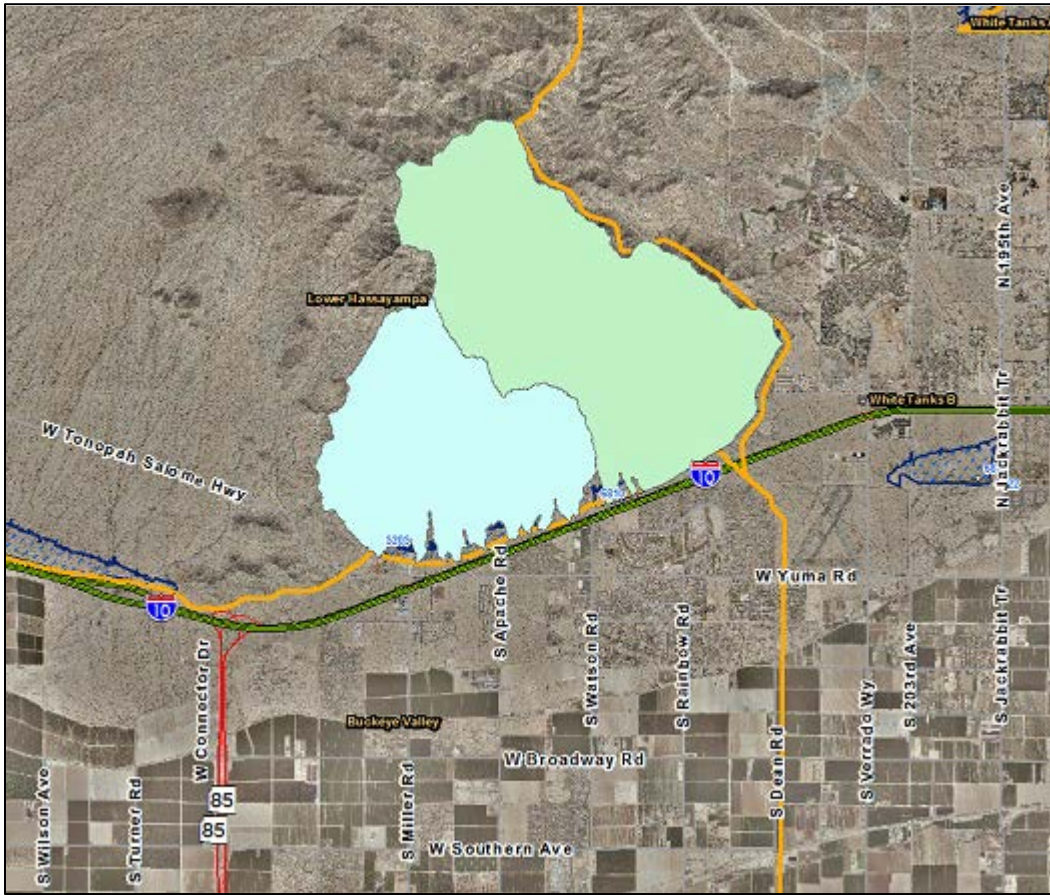
Buckeye FRS #2, ID #5208



Site Data

LOCATION	Located north of I-10 near Miller Road
DRAINAGE AREA	5.7 mi ² Excluding structure 3
STREAM TYPE	Dam of natural drainage
JURISDICTION	Buckeye, Arizona
WATERSHED	Lower Hassyampa
SECTION/TOWNSHIP/RANGE	S07 T1N R3W
LATITUDE	N 33° 26' 22.3" +33.43954
LONGITUDE	W 112° 35' 47.4" -112.59650
STREAMGAGE INSTALLATION DATE	11/11/1992 - WY 1993
AVAILABLE PERIOD OF RECORD	11/11/1992 - Current
LENGTH OF AVAILABLE POR DATA	23.89 Years 8,725 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	-1.39 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,098.17 feet NAVD 1988
POINT OF ZERO FLOW	-1.54 feet Gage Height
SPILLWAY ELEVATION	15.0 feet Gage Height
TOP OF DAM ELEVATION	20.43 feet Gage Height

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

There was no impoundment recorded during Water Year 2016.

Buckeye FRS #2, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5															
6															
7												2			
8															
9															
10															
11															
12															
13															
14							---								
15							---								
16							---								
17							---								
18							---								
19							---								
20															
21															
22															
23															
24															
25															
26															
27															
28															
29										1					
30					---					5					
31		---			---		---		---	1		---			
TOTAL	0	0	0	0	0	0	0	0	0	6	0	2			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	4	0	0	0	0	0	2	0	0	15	0	56			
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	3			
WTR YR 2016	TOTAL		8	MEAN		0	MAX		56	MIN		0	AC_FT		16

Buckeye FRS #2, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	8
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	0	MAX	8	MIN	0						

Buckeye FRS #2, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
2	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
3	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
5	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
6	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
7	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3
8	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
9	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
10	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
11	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
12	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
13	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-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	-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	-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
19	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	---	-1.4	-1.4	-1.4	-1.4	-1.4
20	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
21	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
22	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
23	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
24	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
25	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
26	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
27	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
28	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
29	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3	-1.4	-1.4
30	-1.4	-1.4	-1.4	-1.4	---	-1.4	-1.4	-1.4	-1.4	-1.0	-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	-1.0	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3	-1.4	-1.4	-0.0	-1.4	1.5
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 2016	MEAN	-1.39	MAX	1.49	MIN	-1.39						

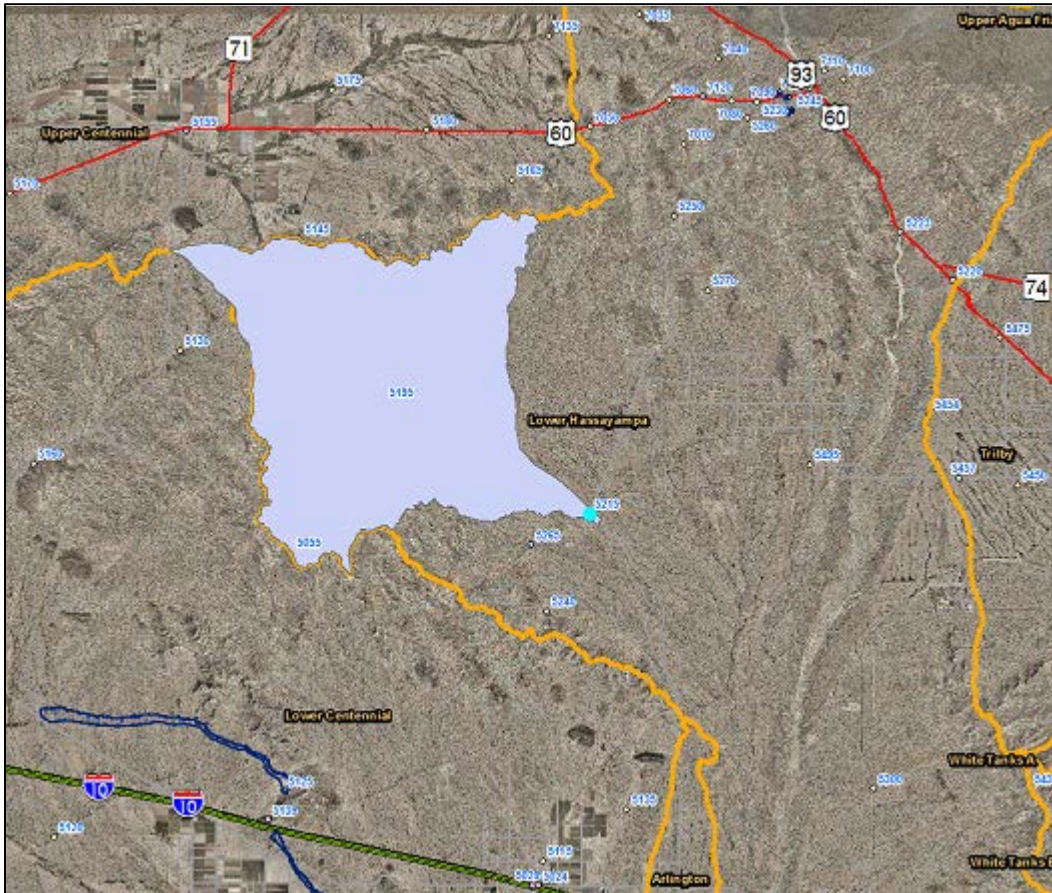
Jackrabbit Wash, ID #5218



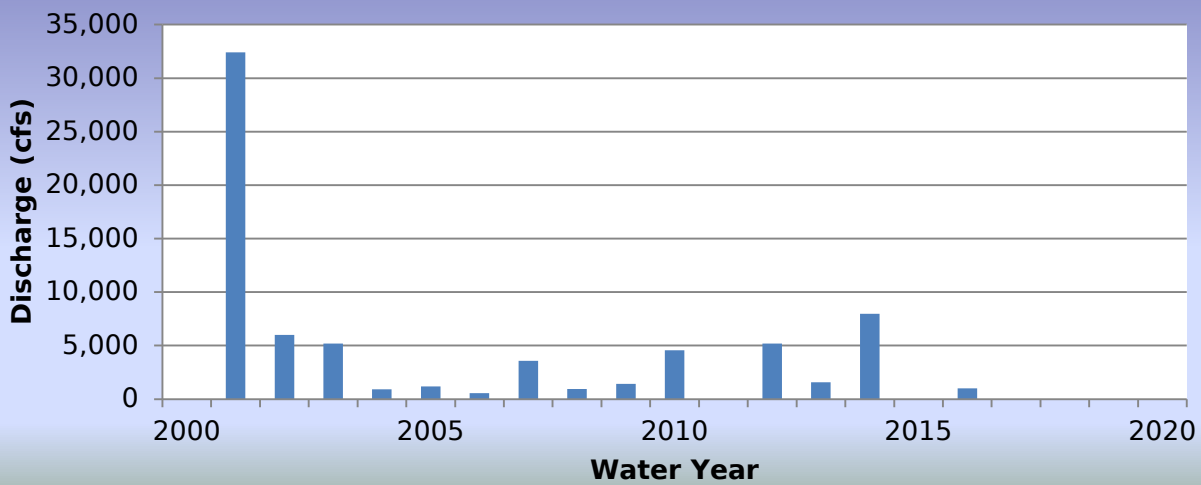
Site Data

LOCATION	Located near the intersection of Vulture Mine and Wickenburg Roads
DRAINAGE AREA	120 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S04 T4N R6W
LATITUDE	N 33° 42' 55.6" +33.71543
LONGITUDE	W 112° 52' 54.4" -112.88179
STREAMGAGE INSTALLATION DATE	10/31/2000 - WY 2001
AVAILABLE PERIOD OF RECORD	10/31/2000 - Current
LENGTH OF AVAILABLE POR DATA	15.92 Years 5,814 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.30 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,686.80 feet NAVD 1988
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



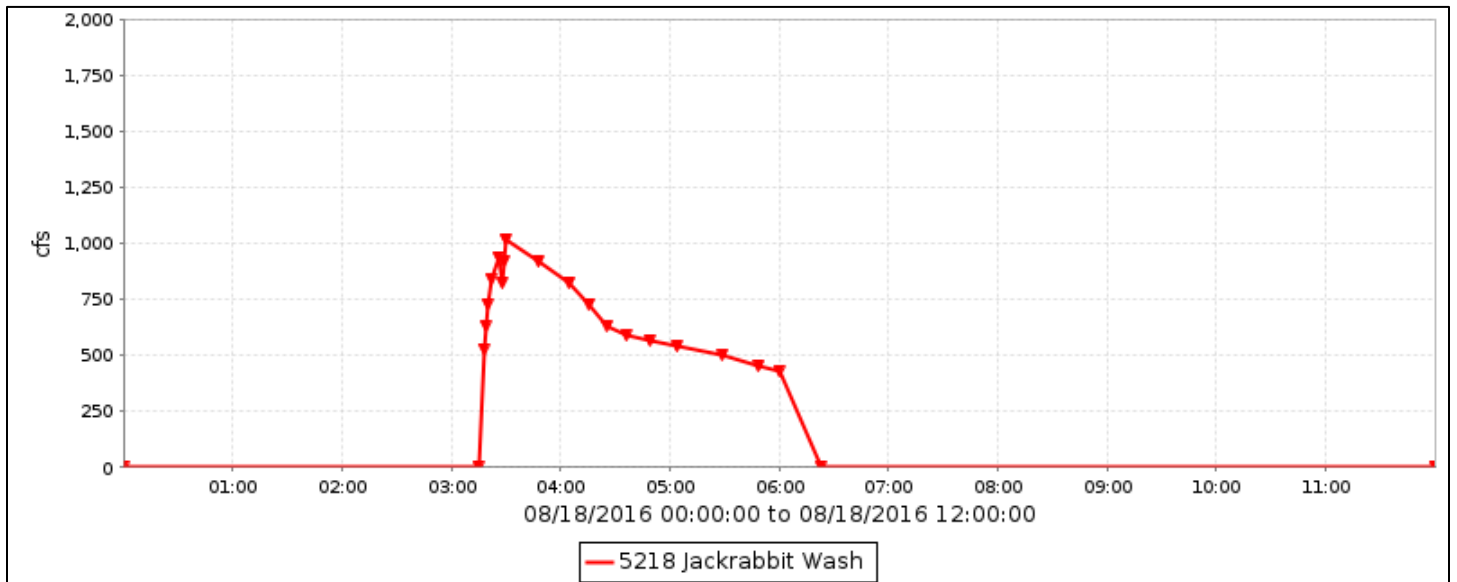
Jackrabbit Wash - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/16/2016	3.33	1,012
08/20/2016	3.25	934
08/29/2016	2.50	487
09/07/2016	3.08	772

Hydrograph of peak WY 2016 flow event, 08/18/2016



Flood Flow Frequency

Flood Flow Frequency N=43, HEC-WRC computation (based on 43 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
1,040	4,920	10,200	17,800	32,100	46,300

NOTE: These results are based on very limited data.

Jackrabbit Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												82
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18											83	
19												
20											65	
21												
22												
23												
24												
25	---											
26												
27												
28												
29						---					19	
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	168	82
MEAN	0	0	0	0	0	0	0	0	0	0	5	3
MAX	0	0	0	0	0	0	0	0	0	0	1012	772
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	333	163
WTR YR 2016	TOTAL		250	MEAN	1	MAX	1012	MIN	0	AC_FT	496	

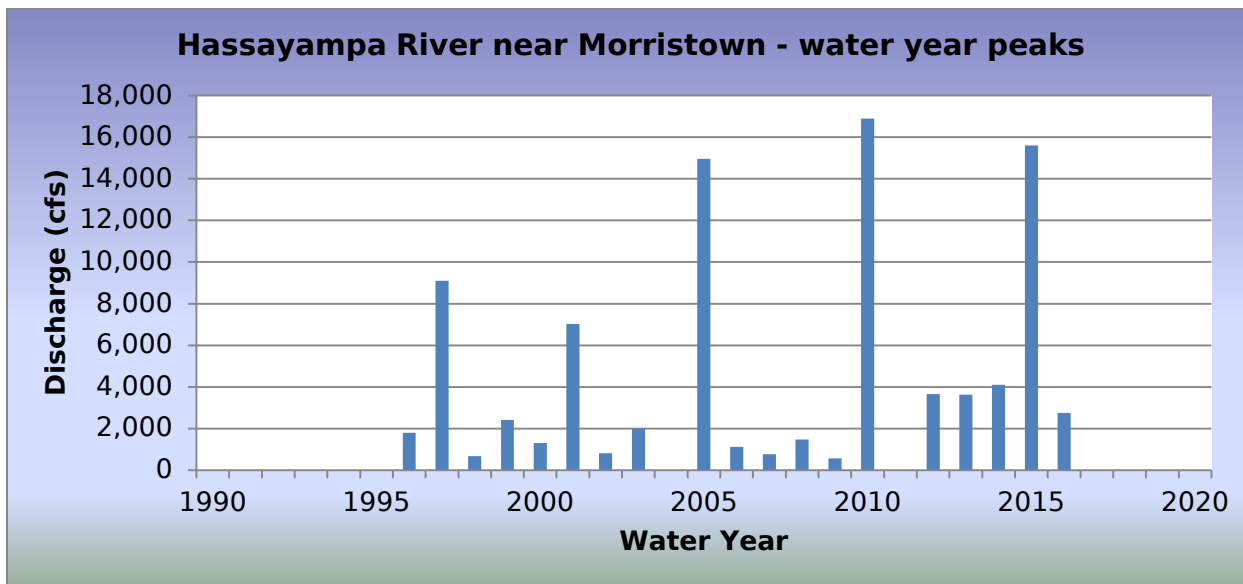
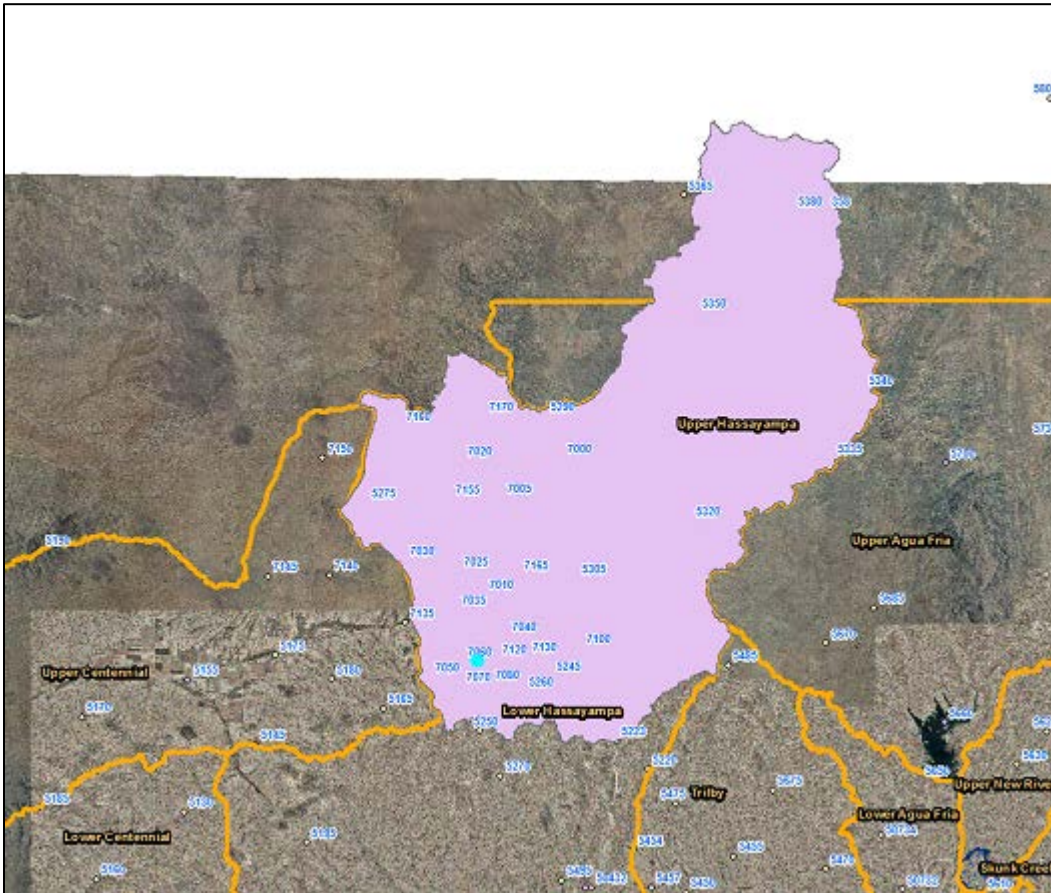
Hassayampa River near Morristown, ID #5223



Site Data

LOCATION	Located about 6 miles south of Wickenburg
DRAINAGE AREA	796 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S03 T6N R4W
LATITUDE	N 33° 53' 05.3" +33.88481
LONGITUDE	W 112° 39' 42.3" -112.66174
STREAMGAGE INSTALLATION DATE	05/07/1996 - WY 1996
AVAILABLE PERIOD OF RECORD	05/07/1996 - Current
LENGTH OF AVAILABLE POR DATA	20.40 Years 7,452 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	7.25 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
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

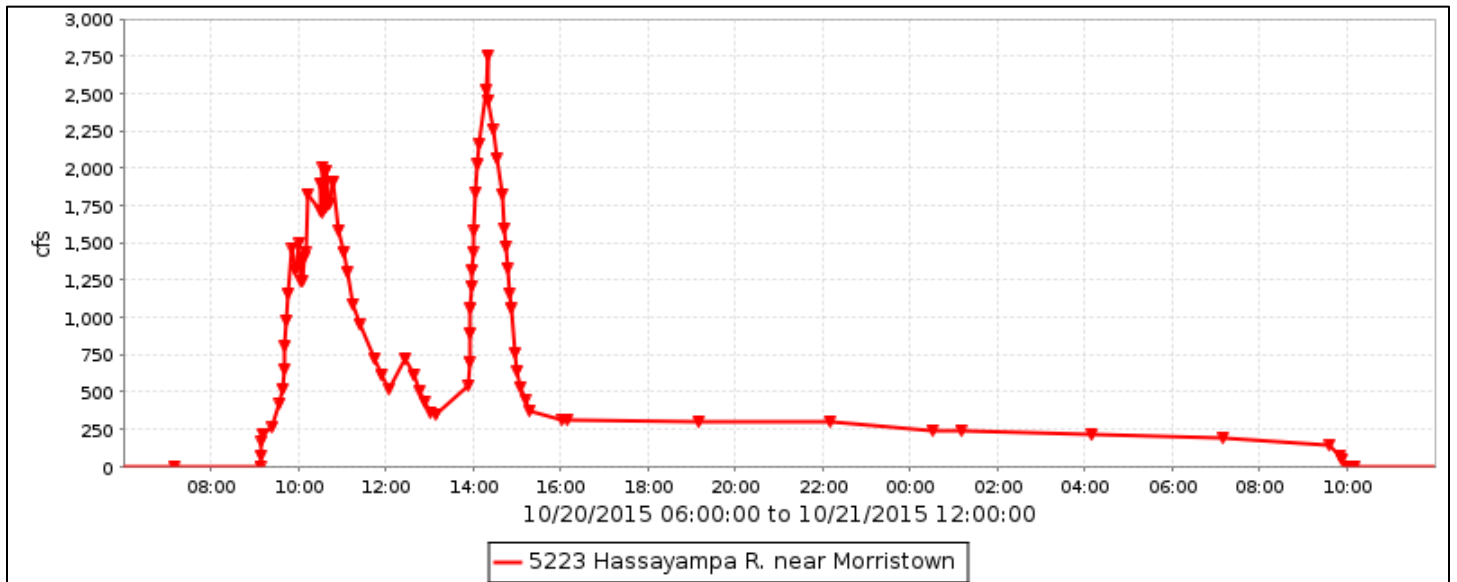
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/19/2015	7.82	152
10/20/2015	10.26	2,750
10/21/2015	8.20	337
08/20/2016	8.81	845
08/22/2016	7.64	91

Hydrograph of peak WY 2016 flow event, 10/20/2015



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
3,080	9,710	15,600	21,900	30,200	36,200

NOTE: These results are based on very limited data.

Hassayampa River near Morrystown, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	10											
20	381										43	
21	147										137	
22	70								---		53	
23									---		11	
24									---			
25									---			
26									---			
27										---		
28									---	---		
29									---			
30					---							
31		---			---		---		---	---		---
TOTAL	607	0	0	0	0	0	0	0	0	0	244	0
MEAN	20	0	0	0	0	0	0	0	0	0	8	0
MAX	2750	0	0	0	0	0	0	0	0	0	845	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1205	0	0	0	0	0	0	0	0	0	485	0
WTR YR 2016	TOTAL		852	MEAN	2	MAX	2750	MIN	0	AC_FT	1689	

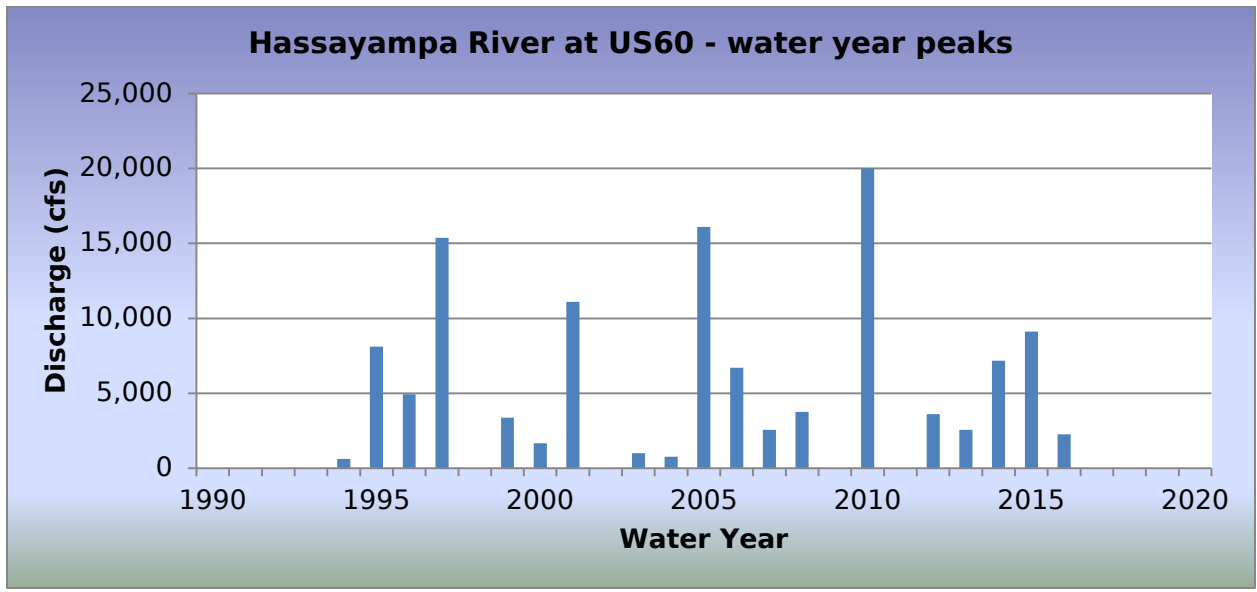
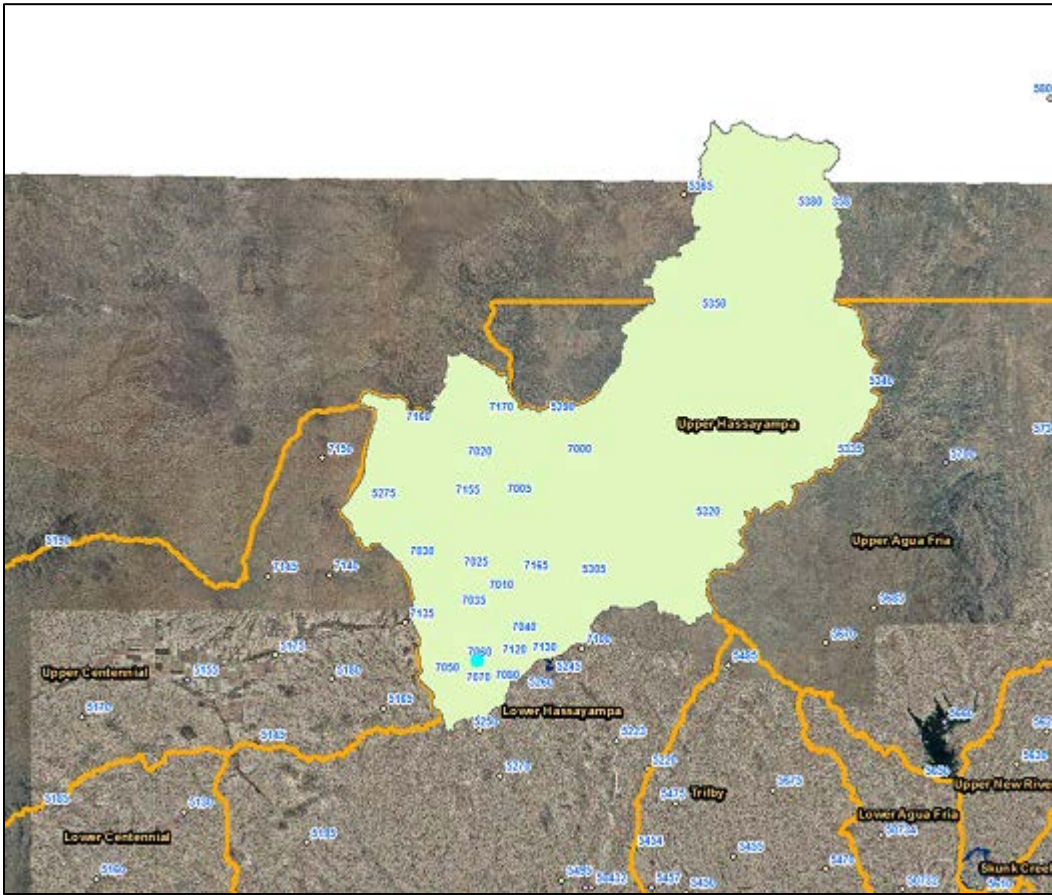
Hassayampa River at US60, ID #5228



Site Data

LOCATION	US 60 crossing of the Hassayampa River
DRAINAGE AREA	711 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S12 T7N R5W
LATITUDE	N 33° 58' 13.2" +33.97032
LONGITUDE	W 112° 43' 37.3" -112.72704
STREAMGAGE INSTALLATION DATE	03/14/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	03/14/1994 - 10/01/2010
LENGTH OF AVAILABLE POR DATA	22.30 Years 8,145 Days
GAPS (> 2 DAYS) IN RECORD	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 NAVD 1988
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

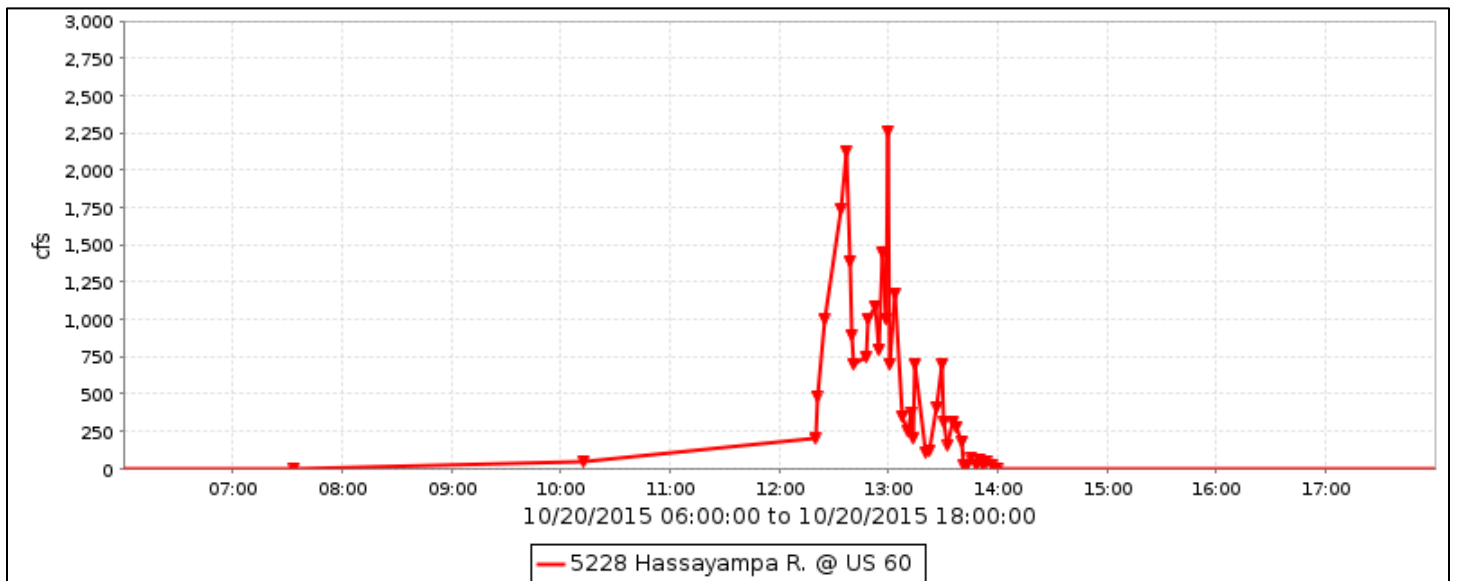
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	2.05	2,262
10/21/2015	1.35	696
05/08/2016	1.73	1,453
08/02/2016	1.97	2,045
08/04/2016	0.98	183
08/20/2016	1.73	1,453

Hydrograph of peak WY 2016 flow event, 10/20/2015



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
2,740	10,700	19,700	31,100	49,500	65,500

NOTE: These results are based on very limited data.

Hassayampa River at US60, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2											85		
3													
4											5		
5													
6													
7													
8								45					
9													
10							4						
11							15						
12													
13													
14													
15													
16													
17													
18													
19													
20	47										96		
21	6										6		
22													
23													
24													
25													
26													
27													
28				---									
29				---									
30				---	---								
31		---		---	---		---		---			---	
TOTAL	53	0	0	0	0	0	19	45	0	0	191	0	
MEAN	2	0	0	0	0	0	1	1	0	0	6	0	
MAX	2262	0	0	0	0	0	200	1453	0	0	2045	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	106	0	0	0	0	0	38	90	0	0	380	0	
WTR YR 2016	TOTAL		310	MEAN		1	MAX	2262	MIN		0	AC_FT	614

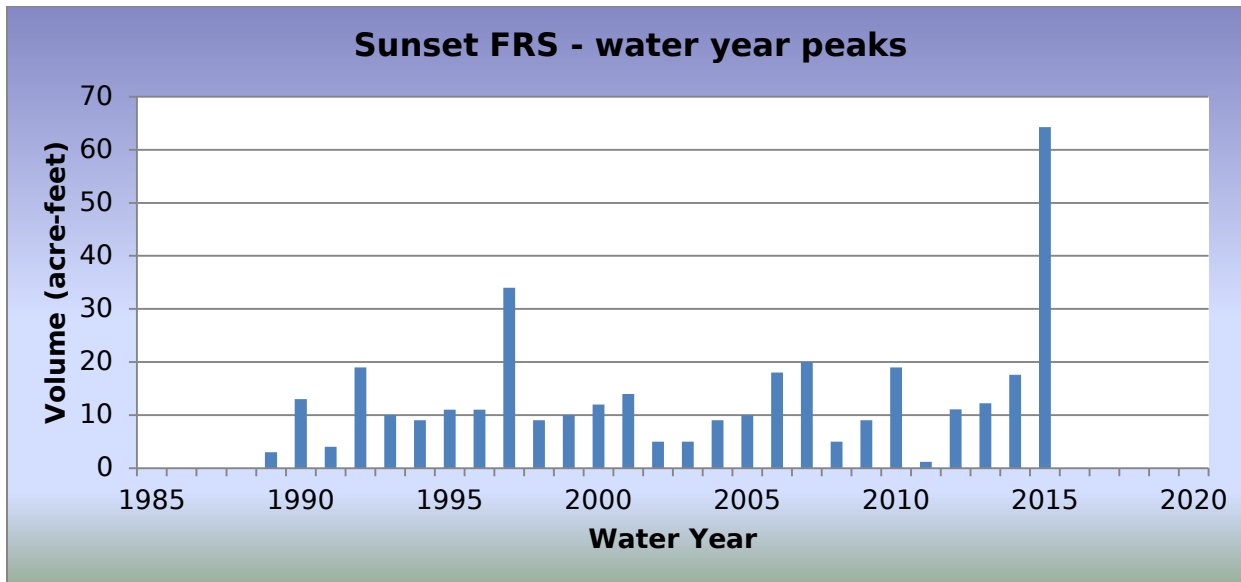
Sunset FRS, ID #5233



Site Data

LOCATION	In Wickenburg near US 60 and Mariposa Drive
DRAINAGE AREA	0.95 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S11 T7N R5W
LATITUDE	N 33° 57' 53.7" +33.96491
LONGITUDE	W 112° 44' 32.6" -112.74238
STREAMGAGE INSTALLATION DATE	02/12/1989 - WY 1989
AVAILABLE PERIOD OF RECORD	02/12/1989 - Current
LENGTH OF AVAILABLE POR DATA	27.63 Years 10,093 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	7
ZERO GAGE HEIGHT ELEVATION	2,114.01 feet NAVD 1988
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

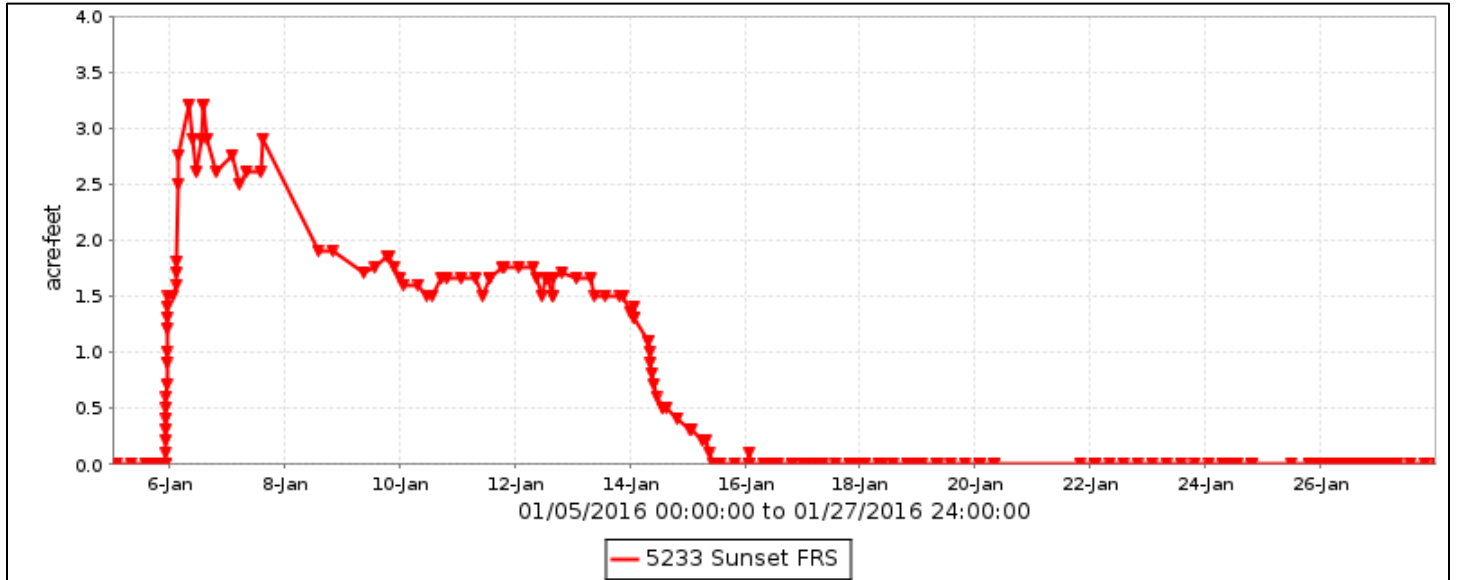
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/20/2015	3.80	1.8	2.2
11/15/2015	2.95	1.0	0.9
01/06/2016	4.40	3.2	4.2
08/08/2016	2.59	0.6	0.8

Hydrograph of peak WY 2016 impoundment event, 01/06/2016



Sunset FRS, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5				1								
6				17								
7				17								
8				17								
9				17								
10				16								
11				16								
12				16								
13				16								
14				14								
15		2		12								
16		14		9								
17		13		7								
18		12		7								
19		6		7								
20	9	1		7								
21	16			7								
22	16			7								
23	15			8								
24	14			7								
25	14			6								
26	13			2								
27	10											
28	5											
29												
30				---	---							
31		---		---	---		---		---			---
TOTAL	112	48	0	234	0	0	0	0	0	0	0	0
MEAN	4	2	0	8	0	0	0	0	0	0	0	0
MAX	17	15	0	18	0	0	0	0	0	0	14	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	222	96	0	464	0	0	0	0	0	0	1	0
WTR YR 2016	TOTAL		395	MEAN	1	MAX	18	MIN	0	AC_FT	783	

Sunset FRS, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6				3								
7				3								
8				2								
9				2								
10				2								
11				2								
12				2								
13				2								
14				1								
15												
16		1										
17												
18												
19												
20	1											
21	1											
22	1											
23	1											
24	1											
25	1											
26												
27												
28												
29												
30				---	---							
31		---		---	---		---		---			---
MEAN	0	0	0	1	0	0	0	0	0	0	0	0
MAX	2	1	0	3	0	0	0	0	0	0	1	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	3	MIN	0					

Sunset FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	4.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	4.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	4.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
9	0.1	0.1	0.1	3.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	3.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	3.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	3.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	3.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	2.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.4	0.1	2.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	2.8	0.1	1.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	2.5	0.1	1.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	2.1	0.1	1.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	1.6	0.1	1.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	2.0	0.8	0.1	1.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	3.4	0.3	0.1	1.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	3.5	0.1	0.1	1.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	3.2	0.1	0.1	1.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	2.9	0.1	0.1	1.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	2.7	0.1	0.1	1.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	2.3	0.1	0.1	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	2.0	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.2	0.1	0.1	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	---	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.8	0.4	0.1	1.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	3.8	3.0	0.1	4.4	0.1	0.1	0.1	0.1	0.1	0.1	2.6	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 2016	MEAN	0.33	MAX	4.40	MIN	0.10						

Sunnycove FRS, ID #5248



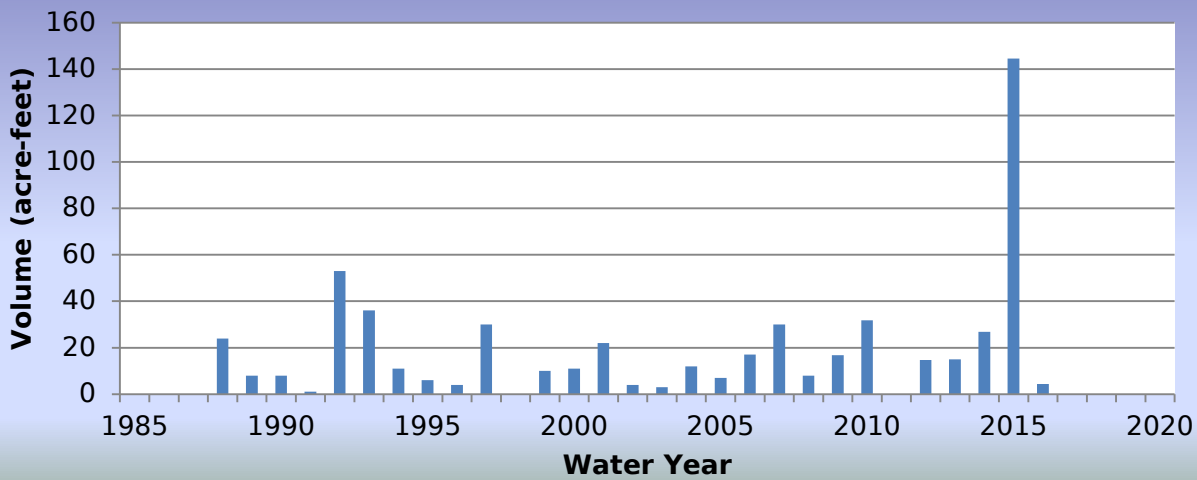
Site Data

LOCATION	In Wickenburg south of US 60 near the cemetery
DRAINAGE AREA	1.35 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S11 T7N R5W
LATITUDE	N 33° 57' 26.1" +33.95725
LONGITUDE	W 112° 44' 23.2" -112.73978
STREAMGAGE INSTALLATION DATE	07/01/1986 - WY 1986
AVAILABLE PERIOD OF RECORD	12/16/1988 - Current
LENGTH OF AVAILABLE POR DATA	27.79 Years 10,151 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	10
ZERO GAGE HEIGHT ELEVATION	2,135.10 feet NAVD 1988
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



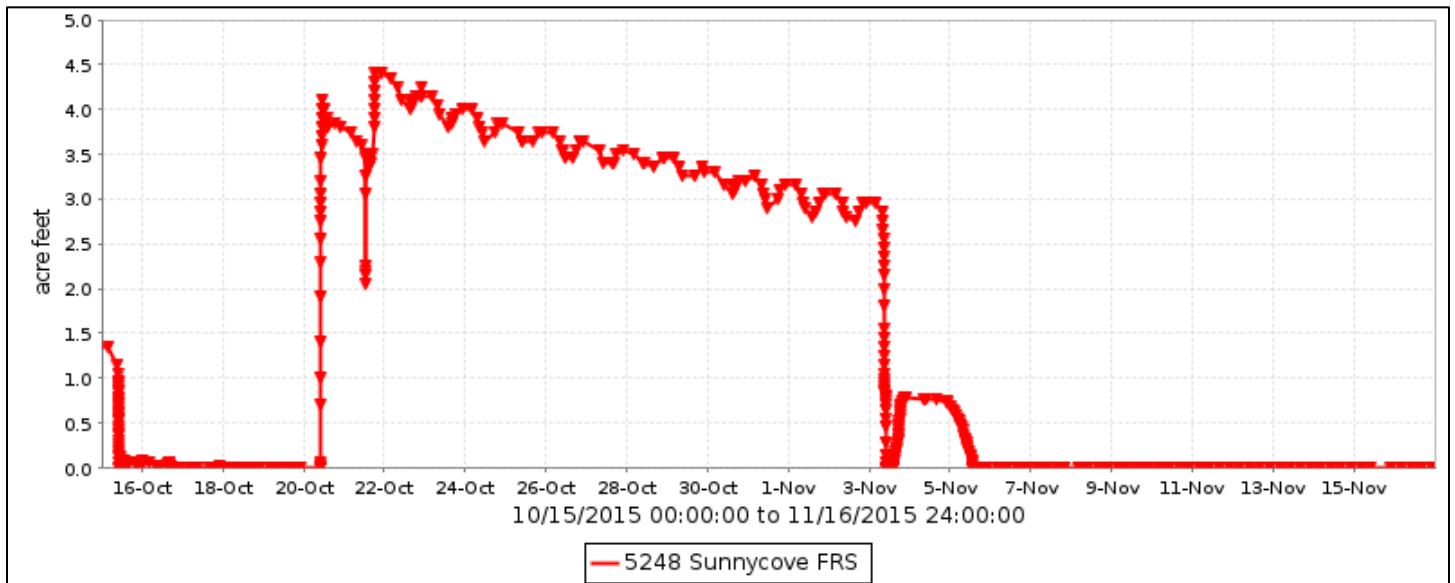
Sunnycove FRS - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/20/2015	7.10	4.1	1.9
10/22/2015	7.40	4.4	2.1
01/06/2016	5.75	2.8	1.3
08/01/2016	5.04	1.0	0.6
08/02/2016	5.01	1.0	0.6

Hydrograph of peak WY 2016 impoundment event, 10/22/2015



Sunnycove FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	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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18															
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

Sunnycove FRS, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1	3										2
2	1	3										2
3	1	1										2
4	1	1										1
5	1											1
6	1			2								1
7	1			2								1
8	1			2								
9	1			2								
10	1			2								
11	1			2								
12	1			2								
13	1			1								
14	1			1								
15	1			1								
16				1								
17				1								
18				1								
19				1								
20	2											
21	4											
22	4											
23	4											
24	4											
25	4						---					
26	4						---					
27	4						---					
28	3						---					
29	3											
30	3						---					
31	3	---					---	---		---		---
MEAN	2	0	0	1	0	0	0	0	0	0	0	0
MAX	4	3	0	3	0	0	0	0	0	2	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	4	MIN		0				

Sunnycove FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0
2	4.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0
3	4.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0
4	4.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
5	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0
6	4.4	0.1	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0
7	4.3	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0
8	4.3	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0
9	4.3	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
10	4.3	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
11	4.3	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
12	4.3	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
13	4.3	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
14	4.2	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
15	2.5	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
16	1.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.8	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.7	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.4	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	4.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	6.7	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	6.6	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	6.5	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	6.4	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	6.2	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	6.1	---	0.0	0.0	---	0.0	---	0.0	---	0.5	0.0	---
MEAN	4.6	0.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
MAX	7.4	6.2	0.0	5.8	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0
MIN	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WTR YR 2016	MEAN	0.73	MAX	7.40	MIN	0.00						

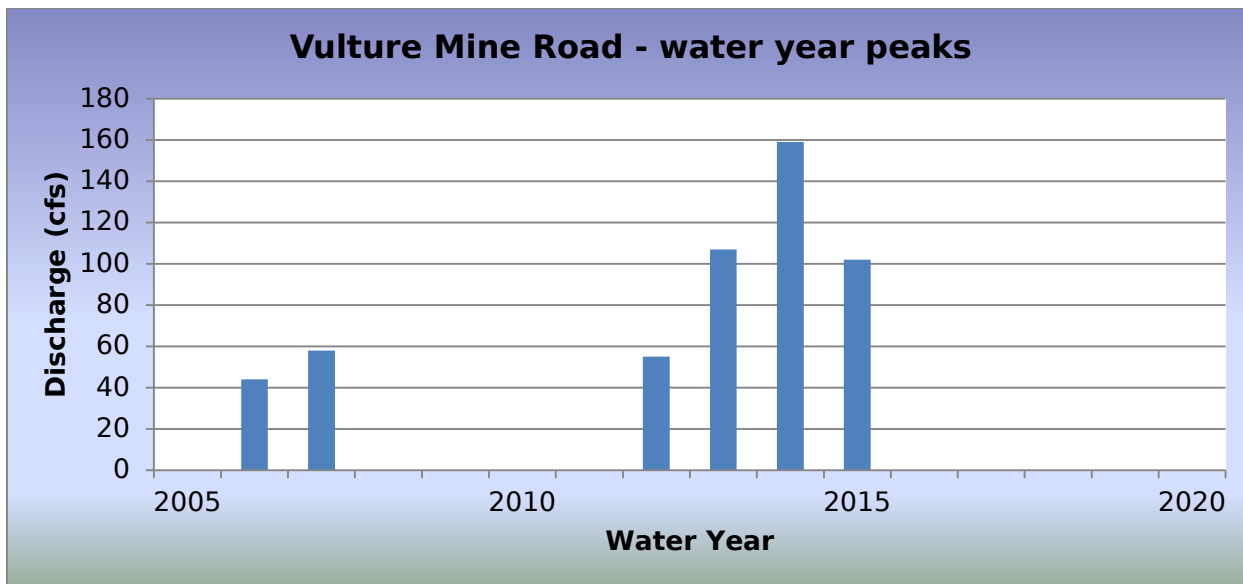
Vulture Mine Road, ID #5263



Site Data

LOCATION	At Vulture Mine Road and Steinway Drive
DRAINAGE AREA	Not Determined
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	10/25/2005 - Current
LENGTH OF AVAILABLE POR DATA	10.93 Years 3,994 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.35 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	1.53 feet Gage Height
EXTREME FOR PERIOD OF RECORD	159 cfs 3.58 feet 08/03/2014

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no recorded flow during Water Year 2016.

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 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5															
6															
7															
8															
9															
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24															
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	4	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 2016	TOTAL		0	MEAN		0	MAX		4	MIN		0	AC_FT		0

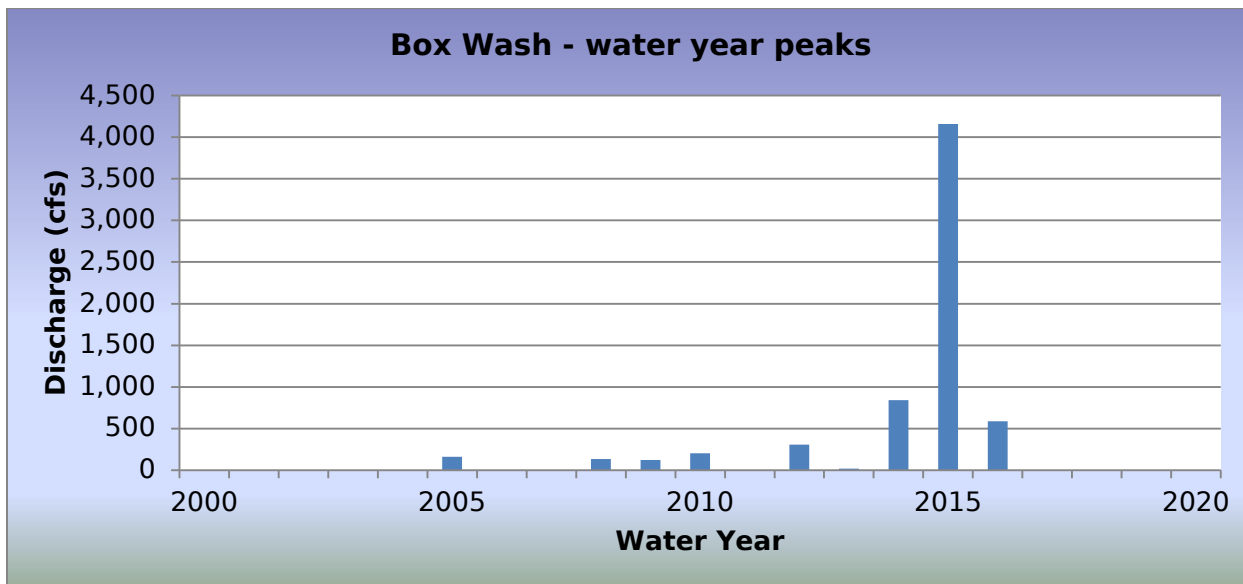
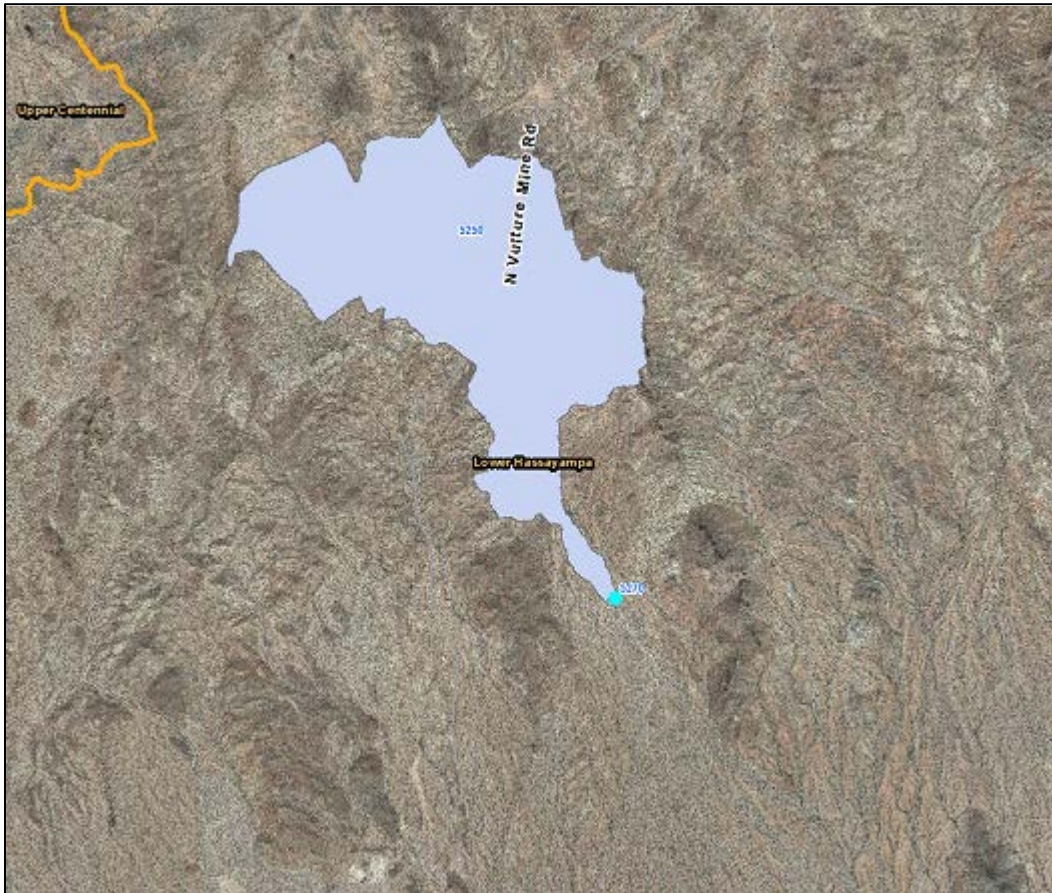
Box Wash, ID #5273



Site Data

LOCATION	Located about 3 miles northwest of Vulture Mine
DRAINAGE AREA	5.9 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S20 T6N R5W
LATITUDE	N 33° 50' 57.4" +33.84927
LONGITUDE	W 112° 47' 56.8" -112.79911
STREAMGAGE INSTALLATION DATE	03/11/2003 - WY 2003
AVAILABLE PERIOD OF RECORD	03/11/2003 – Current
LENGTH OF AVAILABLE POR DATA	13.56 Years 4,953 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.23 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,255.00 feet NAVD 1988
POINT OF ZERO FLOW	-0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	4,160 cfs 5.65 feet 07/18/2015

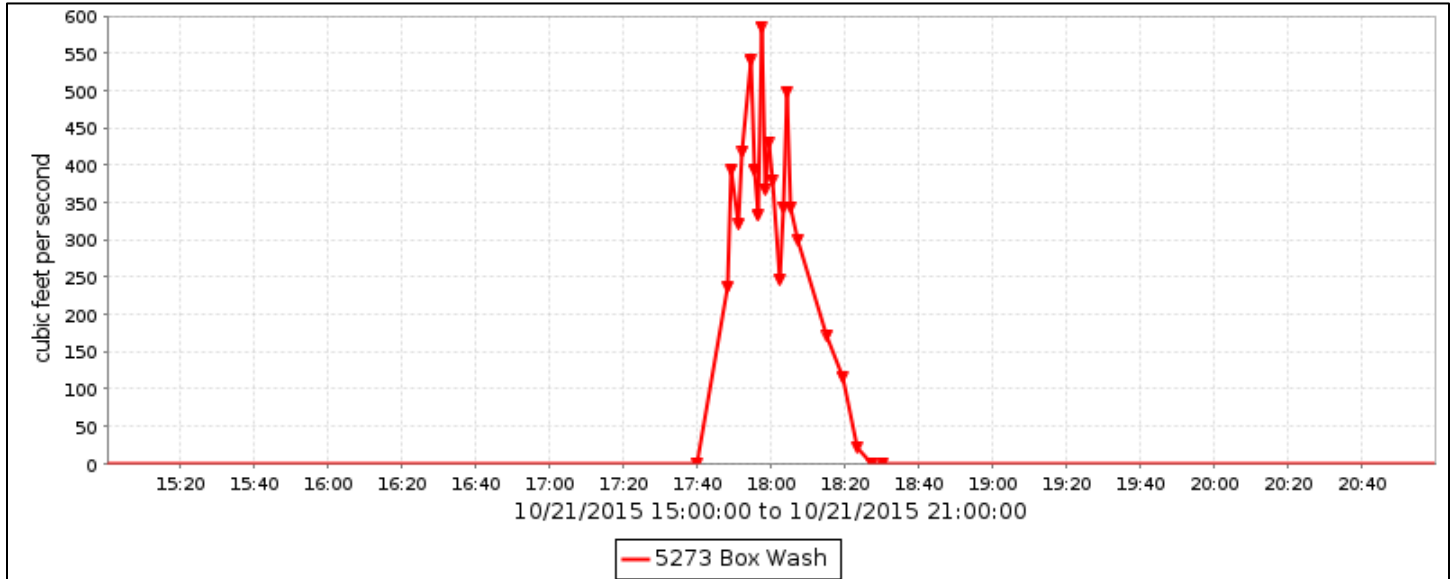
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/21/2015	1.76	585
07/31/2016	1.47	425

Hydrograph of peak WY 2016 flow event, 10/21/2015



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
50	540	1,680	4,060	10,400	18,800

NOTE: These results are based on very limited data.

Box Wash, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
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17												
18												
19												
20												
21	8											
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---	6		---
TOTAL	8	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	585	0	0	0	0	0	0	0	0	425	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	15	0	0	0	0	0	0	0	0	11	0	0
WTR YR 2016	TOTAL	13	MEAN	0	MAX	585	MIN	0	AC_FT	26		

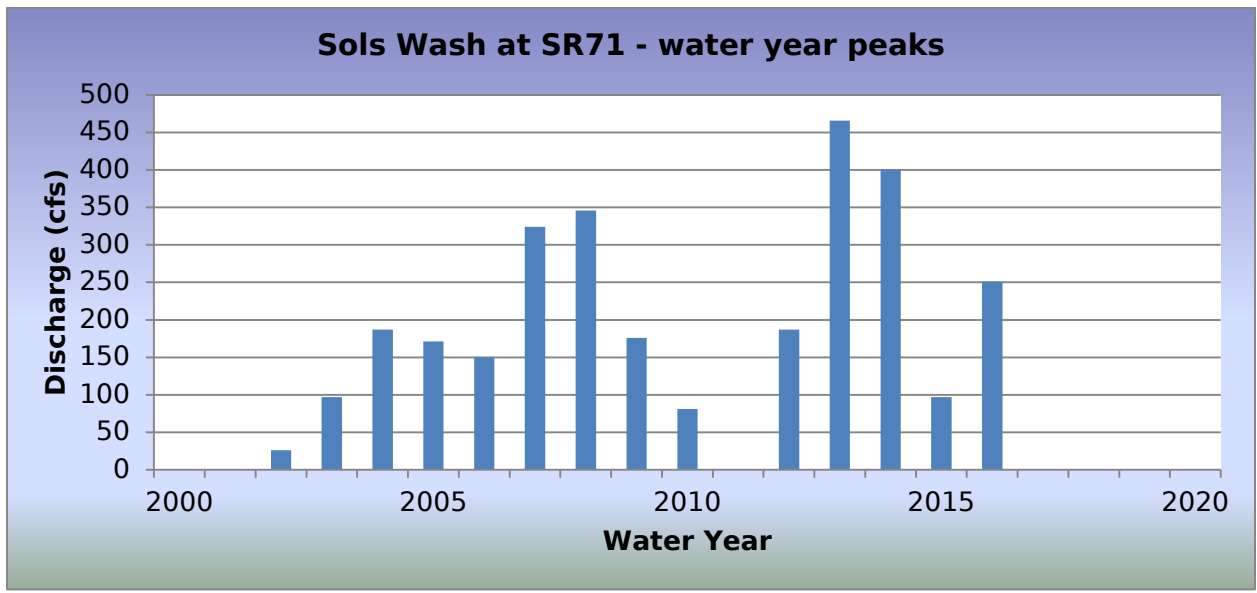
Sols Wash at SR71, ID #5276



Site Data

LOCATION	Located 1/2 mile west of US93 on SR71
DRAINAGE AREA	10 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	09/12/2001 - Current
LENGTH OF AVAILABLE POR DATA	15.05 Years 5,498 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.30 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	2,735.91 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	466 cfs 2.20 feet 09/10/2013

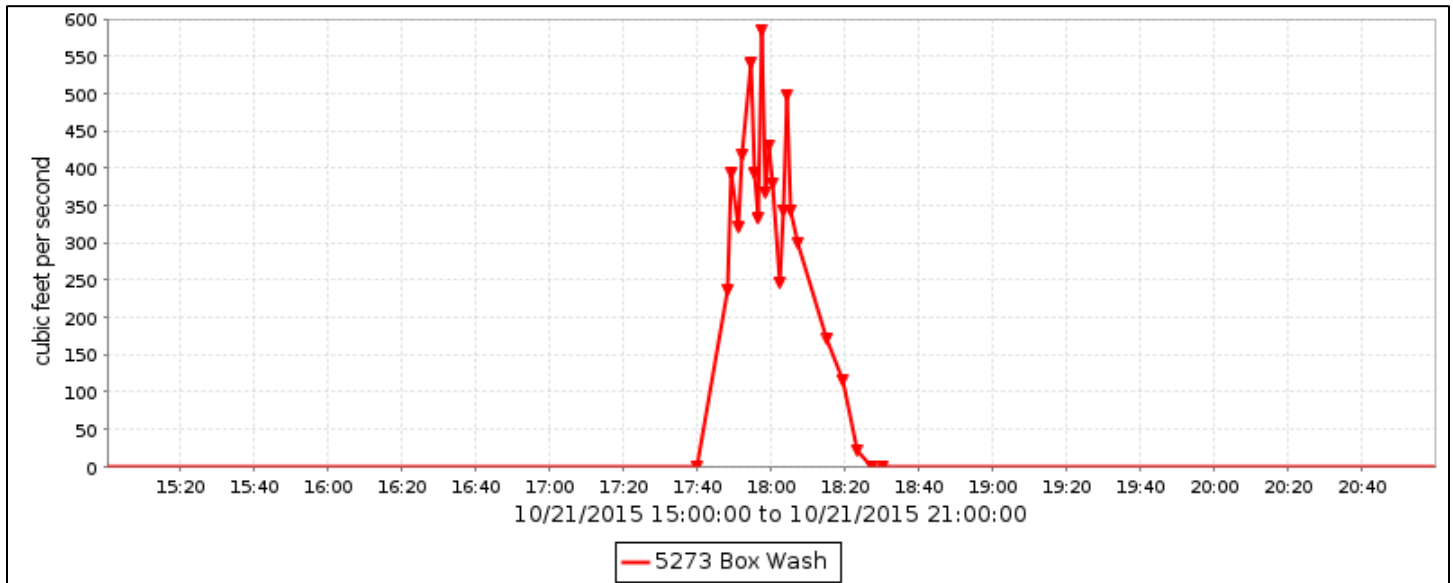
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/19/2015	0.92	127
10/20/2015	0.52	48
08/22/2016	1.47	251

Hydrograph of peak WY 2016 flow event, 10/19/2015



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
177	294	381	469	592	689

NOTE: These results are based on very limited data.

Sols Wash at SR71, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	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	4												
20	9							---					
21								---					
22											8		
23													
24													
25													
26													
27													
28													
29													
30													
31													
TOTAL	13	0	0	0	0	0	0	0	0	0	8	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	
MAX	127	0	0	0	0	0	0	0	0	0	251	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	25	0	0	0	0	0	0	0	0	0	16	0	
WTR YR 2016	TOTAL		21	MEAN		0	MAX	251	MIN		0	AC_FT	41

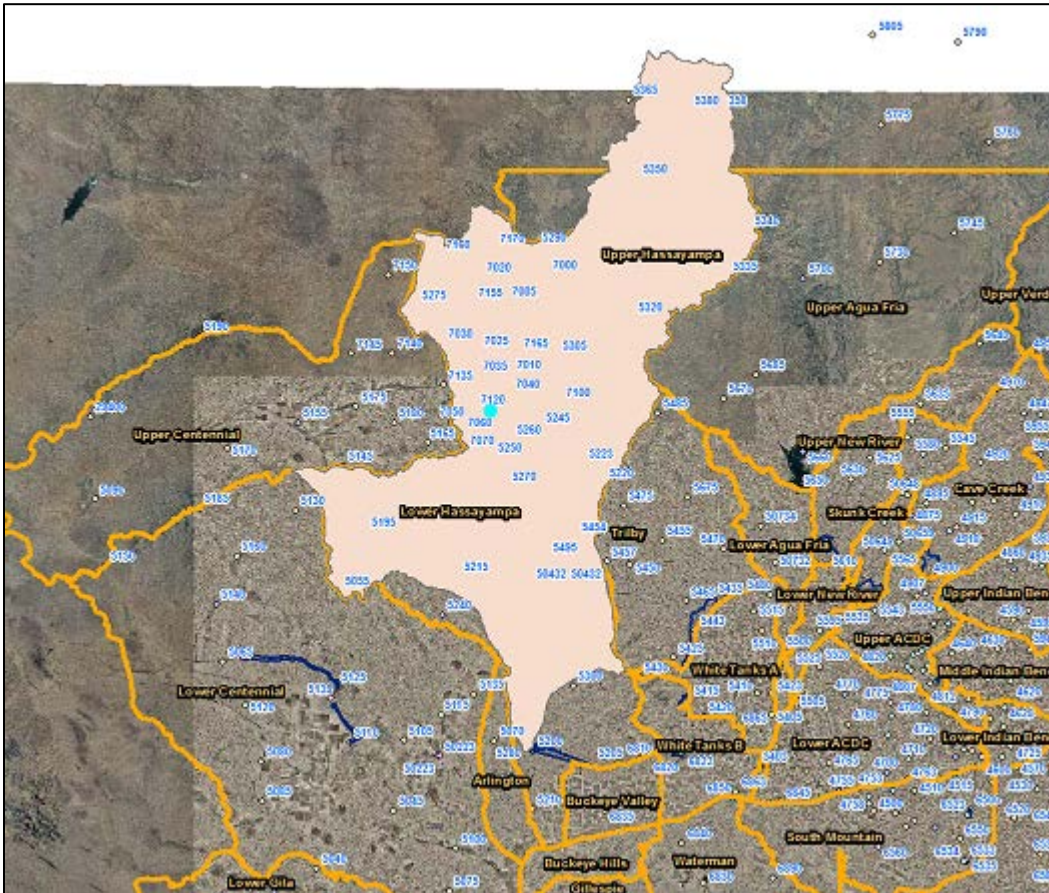
Hassayampa River at I-10, ID #5283



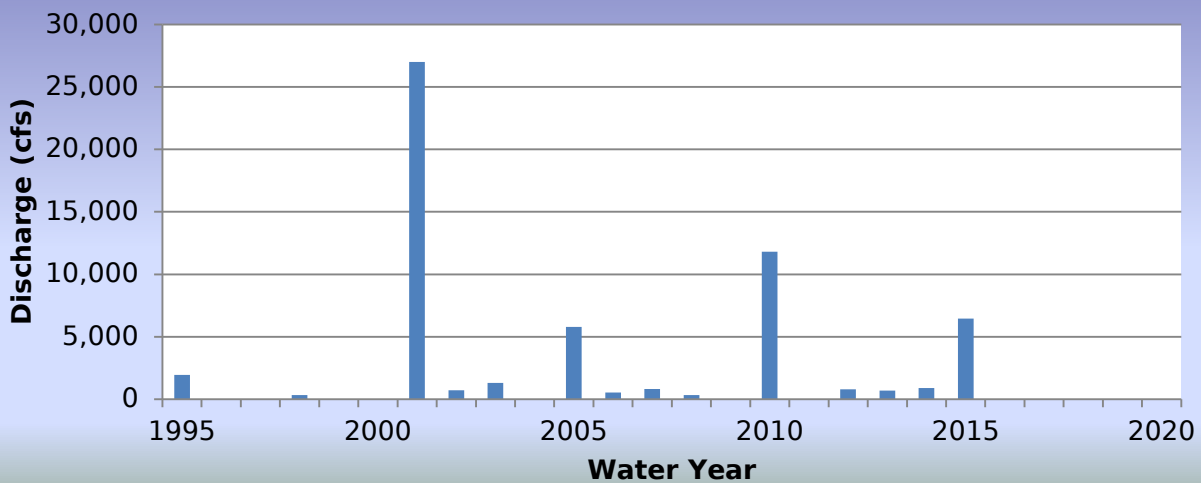
Site Data

LOCATION	Located on the eastbound I-10 bridge
DRAINAGE AREA	1,450 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S03 T1N R5W
LATITUDE	N 33° 27' 28.2" +33.45782
LONGITUDE	W 112° 45' 40.7" -112.76139
STREAMGAGE INSTALLATION DATE	11/09/1994 - WY 1995
AVAILABLE PERIOD OF RECORD	11/09/1994 - Current
LENGTH OF AVAILABLE POR DATA	21.89 Years 7,997 Days
GAPS (> 2 DAYS) IN RECORD	02/15/2011 - 01/30/2012
STAGE GAGE ELEVATION	2.402 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	3
ZERO GAGE HEIGHT ELEVATION	1,018.722 feet NAVD 1988
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



Hassayampa River at I-10 - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
No runoff events		

Hydrograph of peak WY 2016 flow event

No runoff events recorded in Water Year 2016.

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
541	2,500	5,700	11,400	25,400	43,700

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 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3						9							
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	9	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	
MAX	0	0	0	0	0	36	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	18	0	0	0	0	0	0	
WTR YR 2016	TOTAL		9	MEAN		0	MAX	36	MIN		0	AC_FT	18

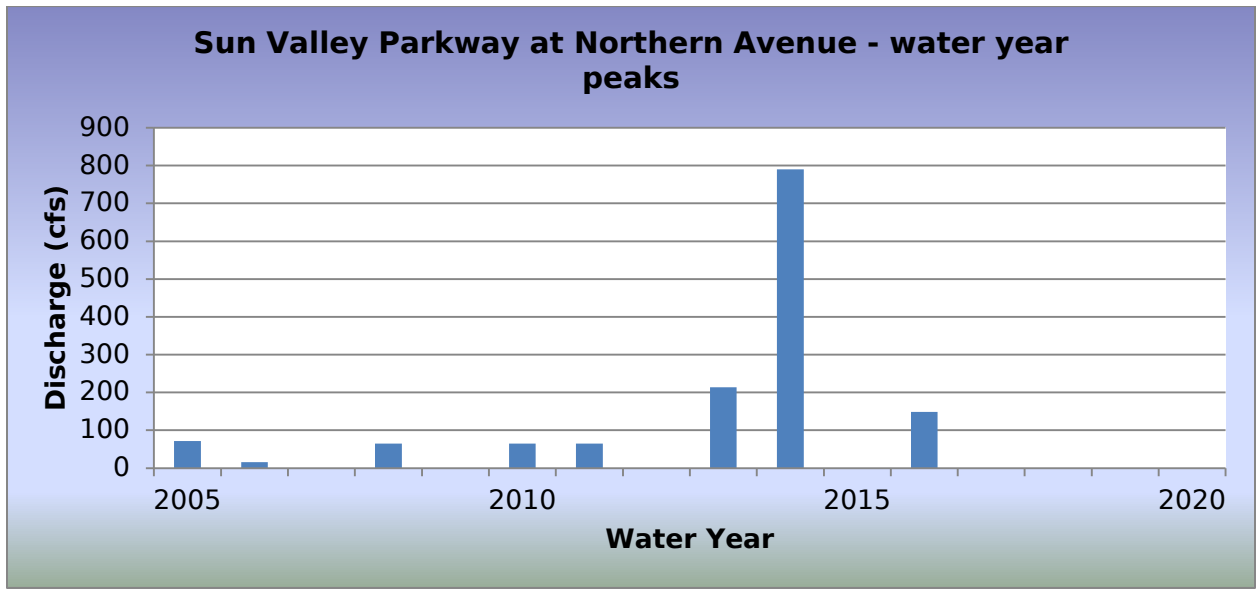
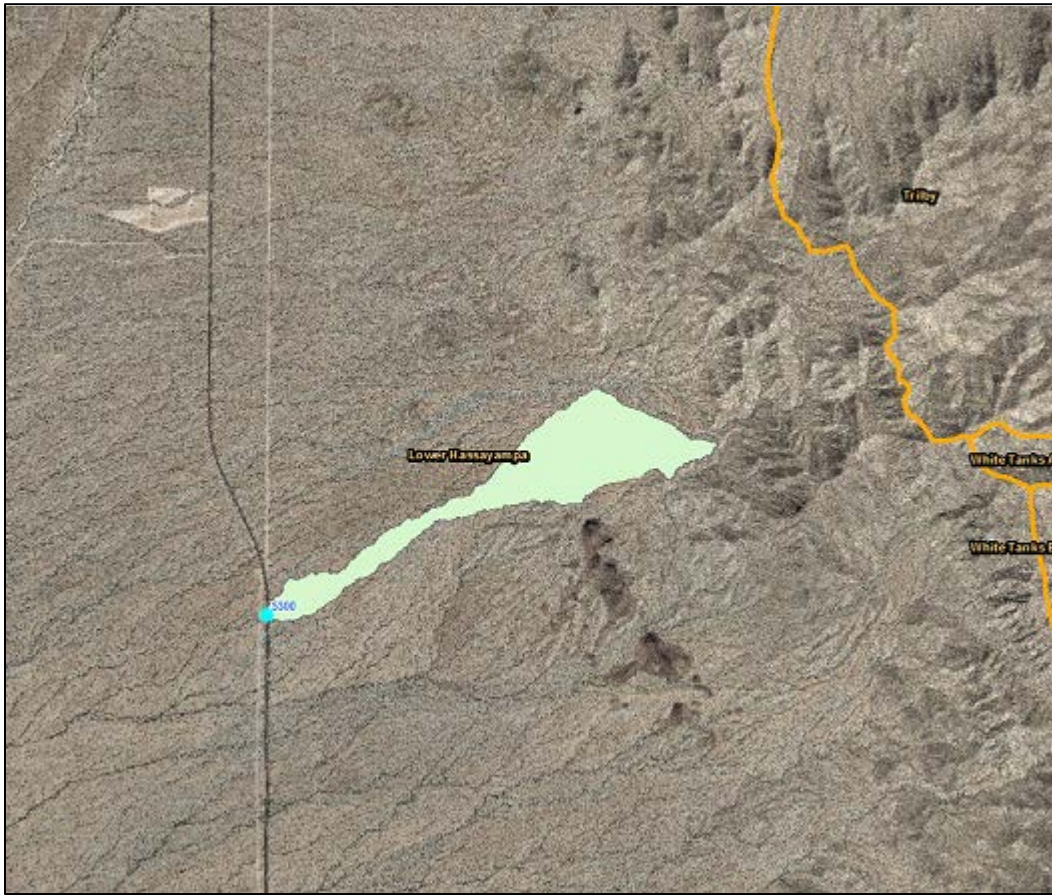
Sun Valley Parkway at Northern Avenue, ID #5303



Site Data

LOCATION	On Sun Valley Parkway near the Northern Avenue alignment
DRAINAGE AREA	1.4 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S32 T3N R4W
LATITUDE	N 33° 33' 12.4" +33.55345
LONGITUDE	W 112° 40' 40.9" -112.67803
STREAMGAGE INSTALLATION DATE	08/02/2005 - WY 2005
AVAILABLE PERIOD OF RECORD	08/02/2005 - Current
LENGTH OF AVAILABLE POR DATA	10.91 Years 3,986 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.0 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	214 cfs 0.90 feet 09/10/2013

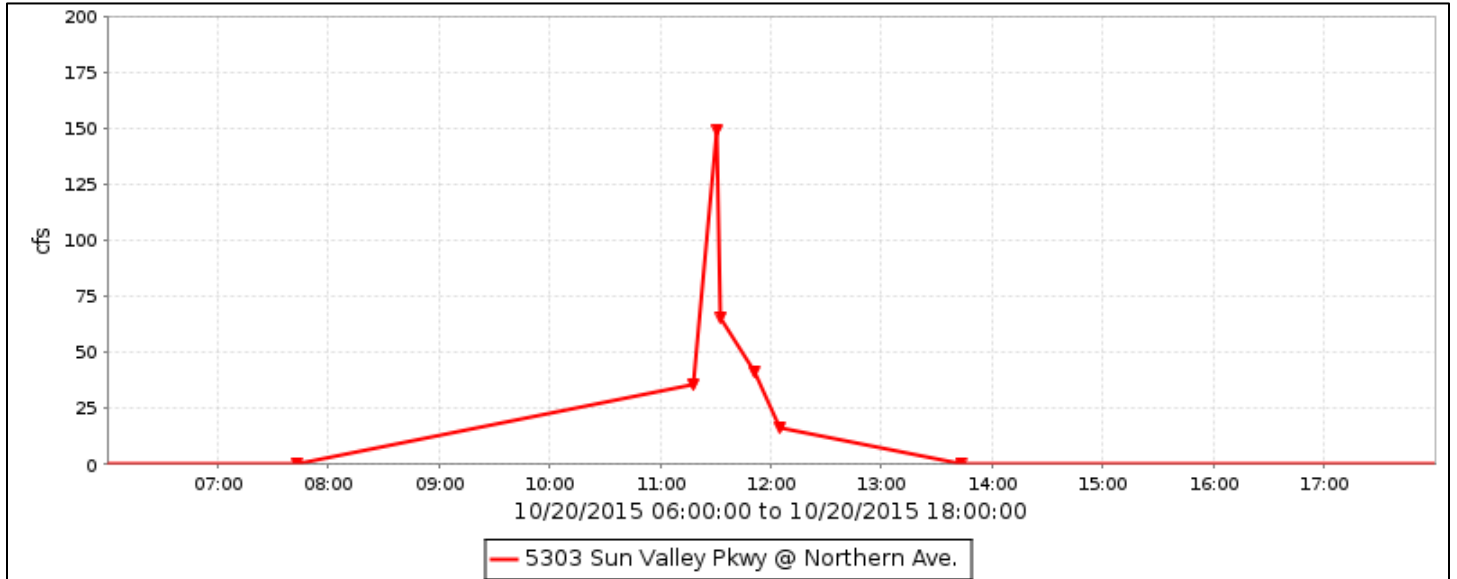
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/20/2015	0.72	149

Hydrograph of peak WY 2016 flow event



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 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4													
5		---											
6		---											
7		---											
8		---											
9		---											
10													
11													
12													
13													
14													
15	---												
16	---												
17													
18													
19													
20	3												
21													
22													
23													
24													
25													
26													
27													
28													
29													
30					---								
31		---			---		---		---			---	
TOTAL	3	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	
MAX	149	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	6	0	0	0	0	0	0	0	0	0	0	0	
WTR YR 2016	TOTAL		3	MEAN		0	MAX	149	MIN		0	AC_FT	6

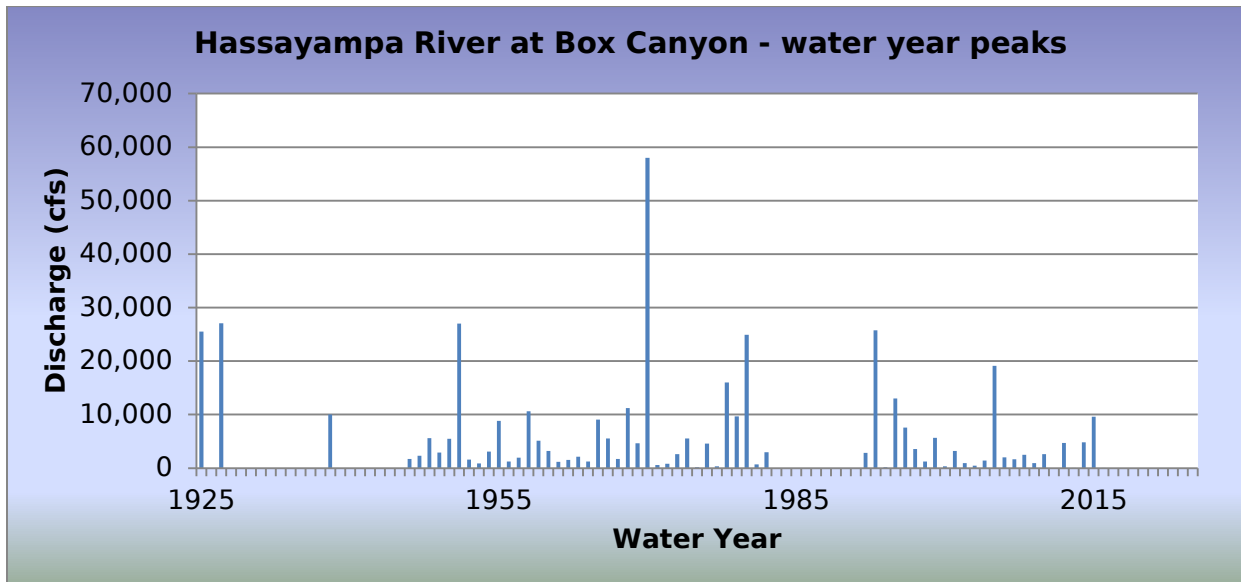
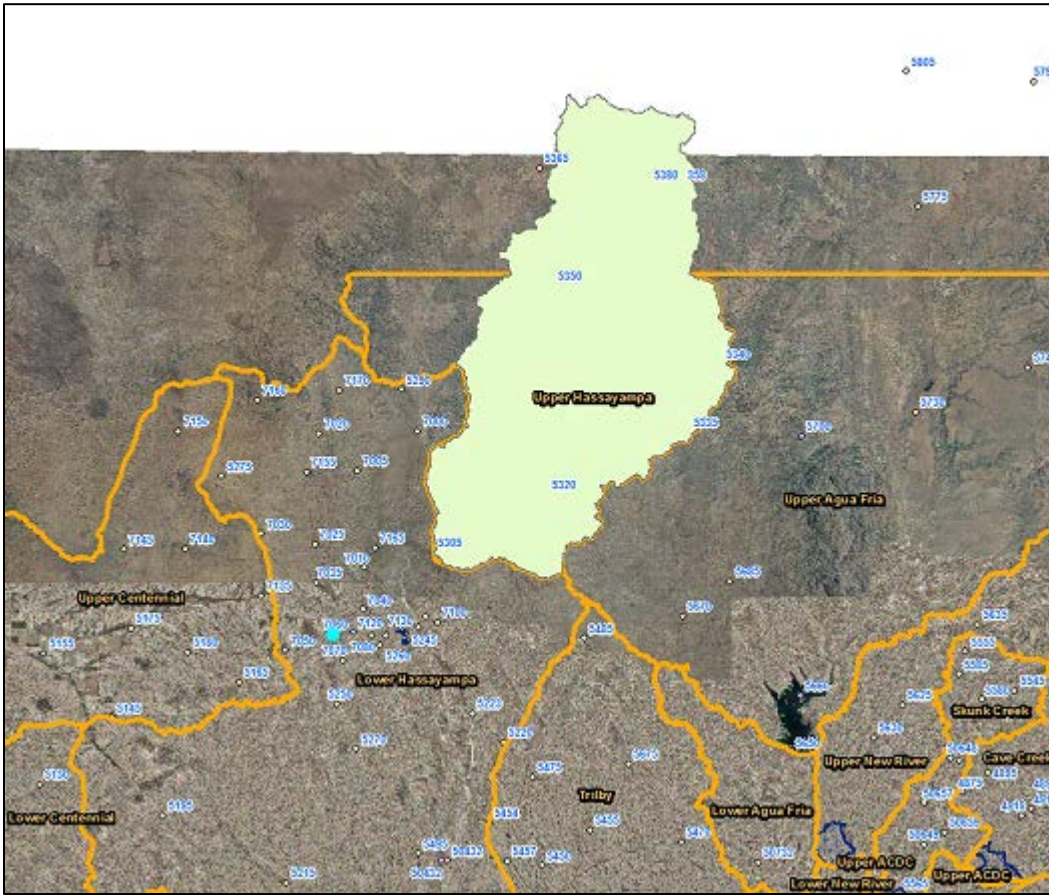
Hassayampa River at Box Canyon, ID #5308



Site Data

LOCATION	Northeast of Wickenburg
DRAINAGE AREA	417 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S07 T8N R4W
LATITUDE	N 34° 02' 42.3" +34.04508
LONGITUDE	W 112° 42' 36.5" -112.71013
STREAMGAGE INSTALLATION DATE	11/17/1983 - WY 1984
AVAILABLE PERIOD OF RECORD	10/16/1991 - Current
LENGTH OF AVAILABLE POR DATA	24.96 Years 9,117 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	3.15 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	2,236.13 feet M.S.L.
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

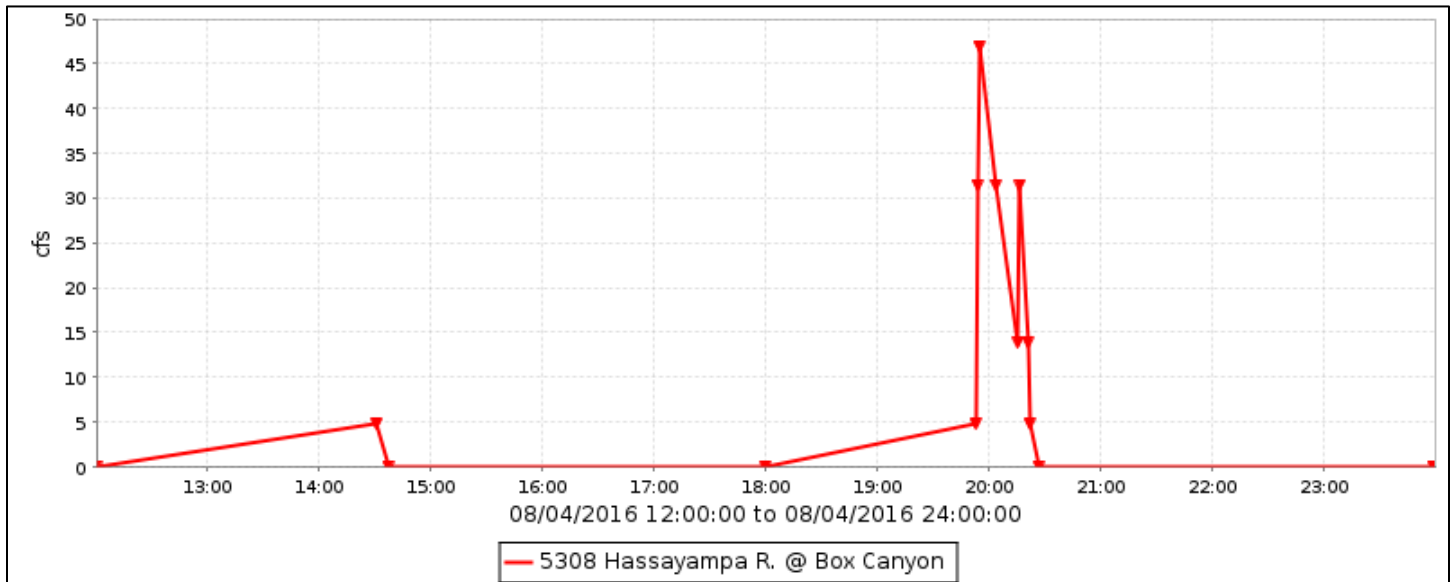
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/04/2016	3.59	47

Hydrograph of peak WY 2016 flow event



Flood Flow Frequency

Flood Flow Frequency N=66, HEC-WRC computation (based on 66 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
3,250	10,200	18,000	28,100	45,600	62,200

NOTE: These results are based on available data.

Hassayampa River at Box Canyon, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	---												
2	---												
3	---												
4	---										1		
5													
6										---			
7													
8													
9													
10													
11													
12													
13													
14													
15													
16	---												
17	---												
18	---												
19													
20	6												
21													
22													
23					---								
24					---								
25					---								
26													
27													
28													
29													
30					---								
31		---			---		---		---			---	
TOTAL	7	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	291	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	13	0	0	0	0	0	0	0	0	0	2	0	
WTR YR 2016	TOTAL		8	MEAN		0	MAX	291	MIN		0	AC_FT	15

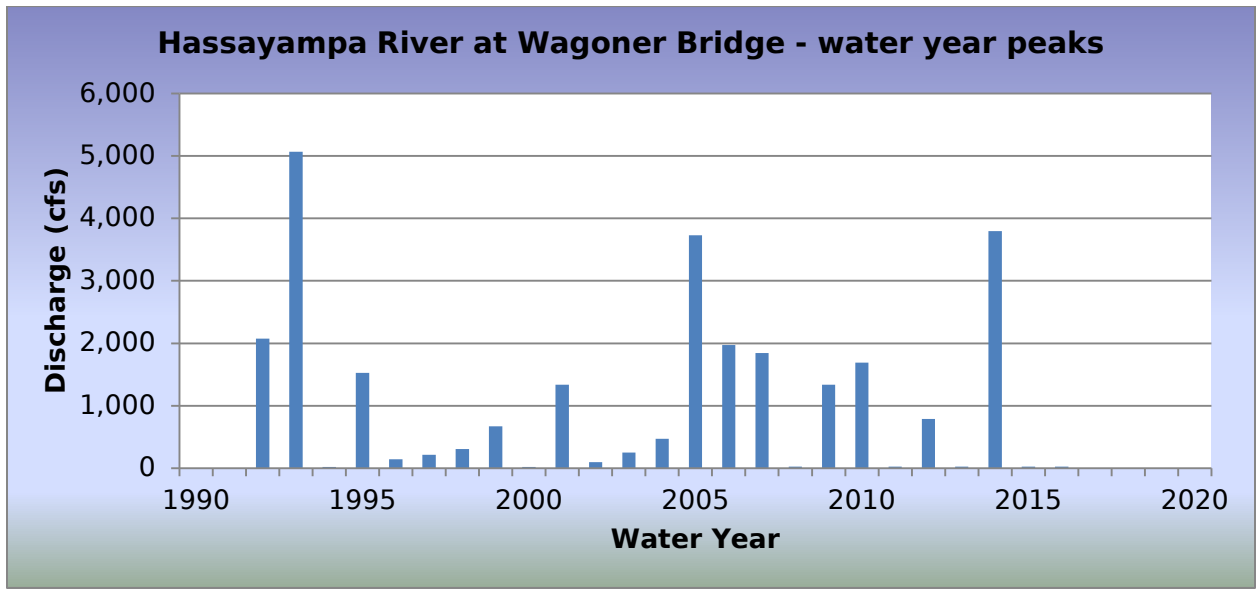
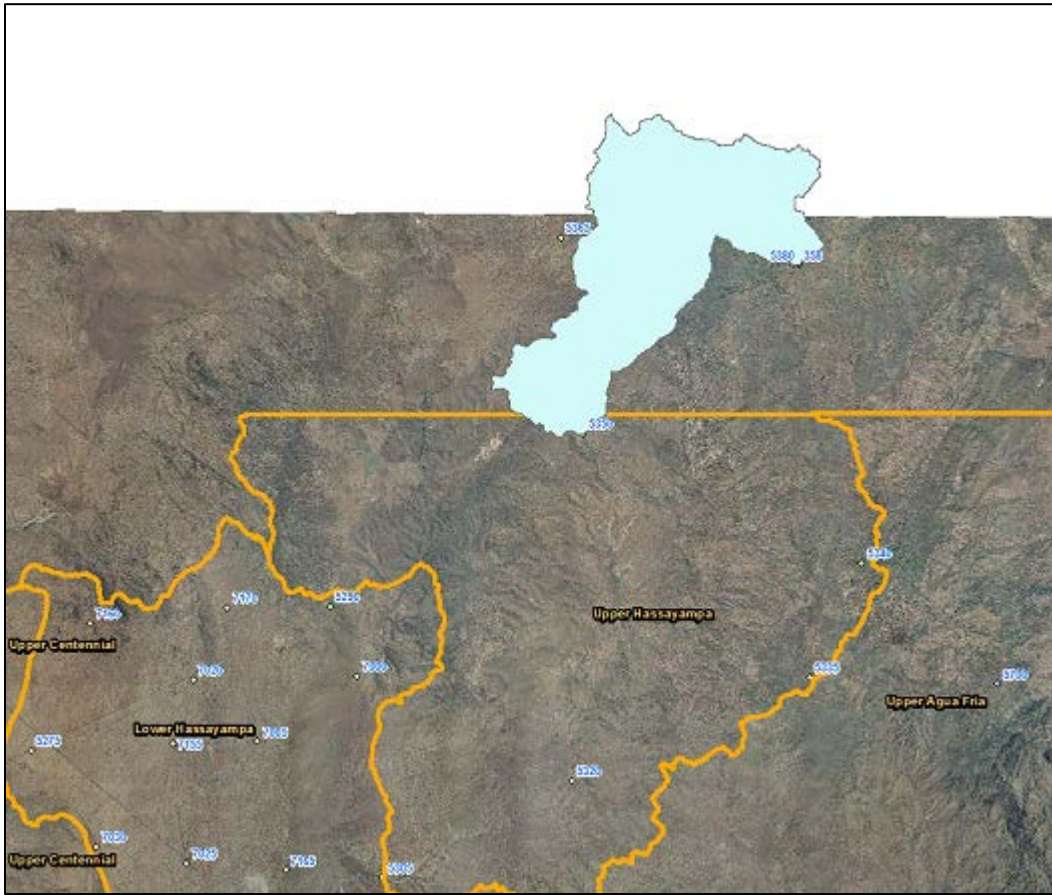
Hassayampa River at Wagoner, ID #5352



Site Data

LOCATION	Located on the Wagoner Road bridge crossing of the Hassayampa River
DRAINAGE AREA	78 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Upper Hassayampa
SECTION/TOWNSHIP/RANGE	S09 T11N R3W
LATITUDE	N 34° 18' 36.5" +34.31016
LONGITUDE	W 112° 34' 07.6" -112.56879
STREAMGAGE INSTALLATION DATE	12/19/1983 - WY 1984
AVAILABLE PERIOD OF RECORD	11/27/1991 - Current
LENGTH OF AVAILABLE POR DATA	24.85 Years 9.075 Days
GAPS (> 2 DAYS) IN RECORD	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	3,741.05 feet NAVD 1988
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



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded in Water Year 2016.

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
403	1,830	3,830	6,870	12,900	19,300

NOTE: These results are based on very limited data.

Hassayampa River at Wagoner, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

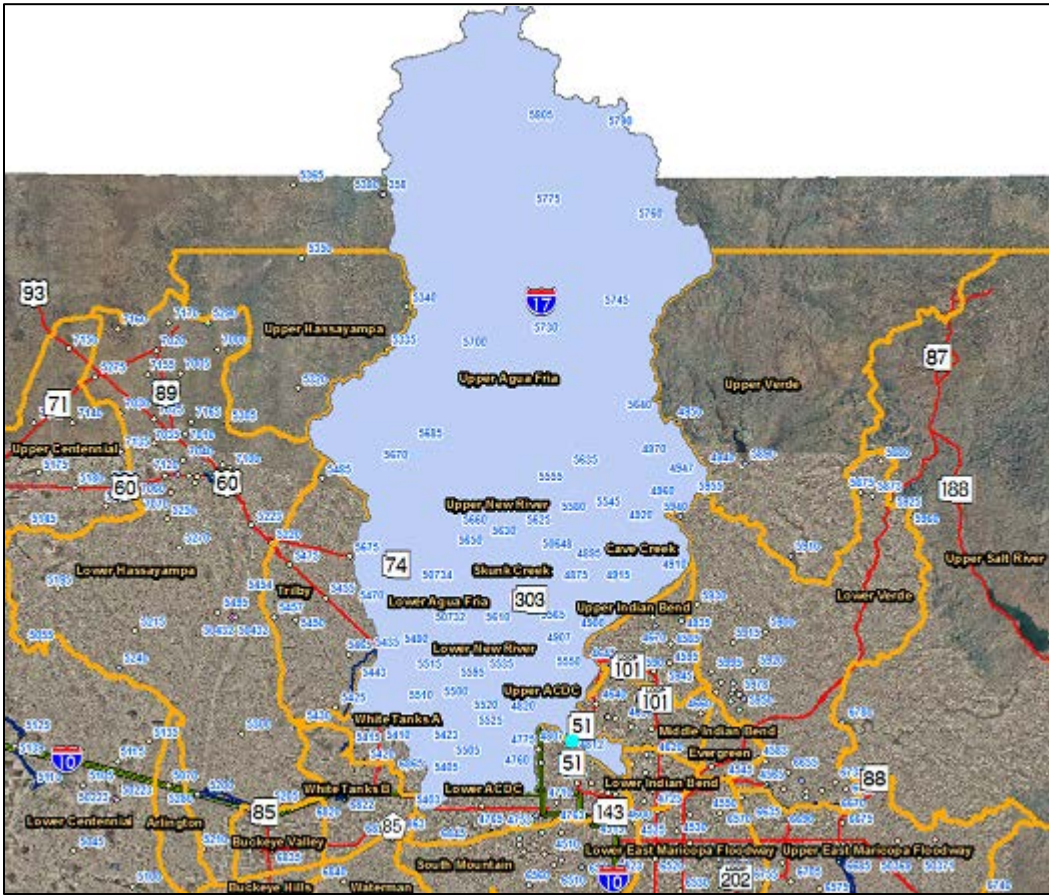
Agua Fria River at Buckeye Road, ID #5403



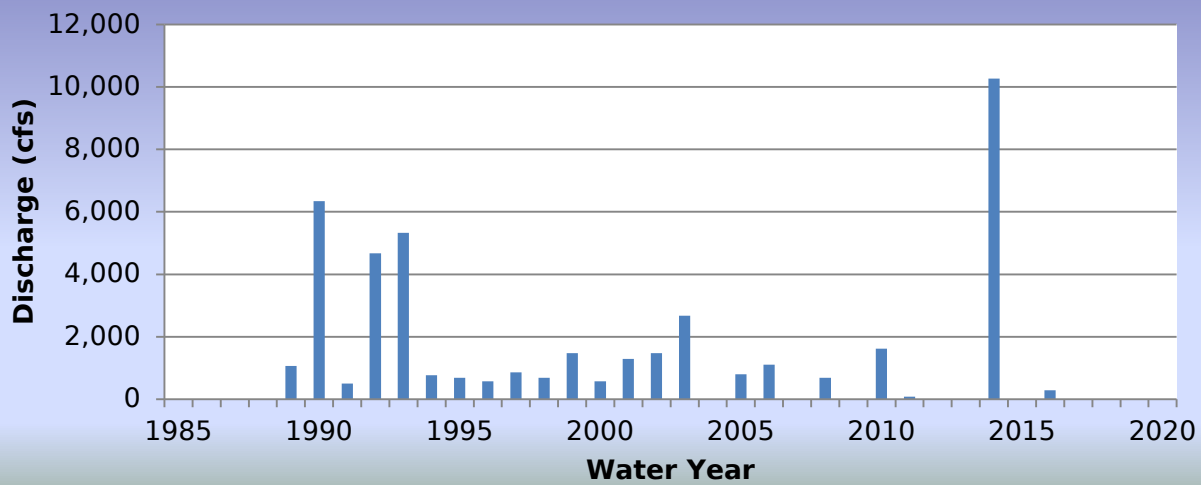
Site Data

LOCATION	On Buckeye Road east of Dysart Road
DRAINAGE AREA	2,241 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Avondale, Arizona
WATERSHED	White Tanks A / Lower ACDC
SECTION/TOWNSHIP/RANGE	S14 T1N R1W
LATITUDE	N 33° 26' 06.3" +33.43501
LONGITUDE	W 112° 19' 55.8" -112.33254
STREAMGAGE INSTALLATION DATE	10/12/1988 - WY 1989
AVAILABLE PERIOD OF RECORD	10/12/1988 - Current
LENGTH OF AVAILABLE POR DATA	27.97 Years 10,216 Days
GAPS (> 2 DAYS) IN RECORD	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 NAVD 1988
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



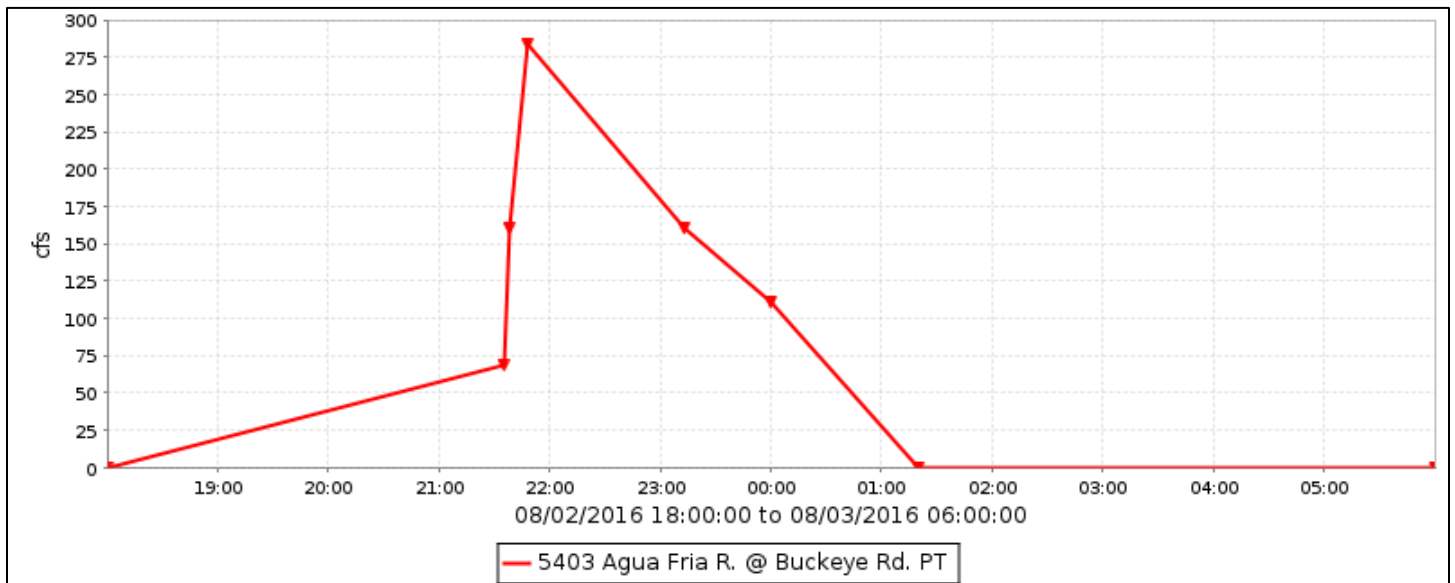
Agua Fria River at Buckeye Road - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/02/2016	0.63	284

Hydrograph of peak WY 2016 flow event, 08/02/2016



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											23	
3											6	
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	29	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	284	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	58	0
WTR YR 2016	TOTAL	29	MEAN	0	MAX	284	MIN	0	AC_FT	58		

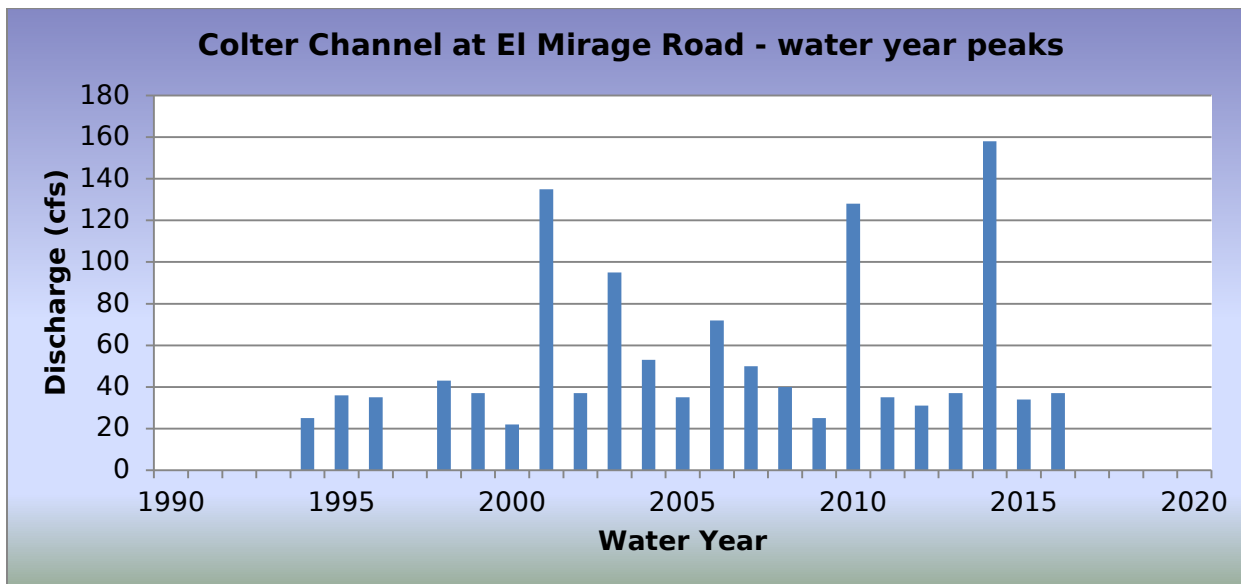
Colter Channel, ID #5408



Site Data

LOCATION	Located on El Mirage Road north of Camelback Road
DRAINAGE AREA	3.5 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	White Tanks A
SECTION/TOWNSHIP/RANGE	S13 T2N R1W
LATITUDE	N 33° 30' 41.1" +33.51141
LONGITUDE	W 112° 19' 25.6" -112.32376
ARIZONA STATE PLANE	E 575915 N 913851
USGS QUAD SHEET	El Mirage 7.5-Minute
STREAMGAGE INSTALLATION DATE	06/29/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	06/29/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.26 Years 8,130 Days
GAPS (> 2 DAYS) IN RECORD	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	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	158 cfs 1.52 feet 09/08/2014

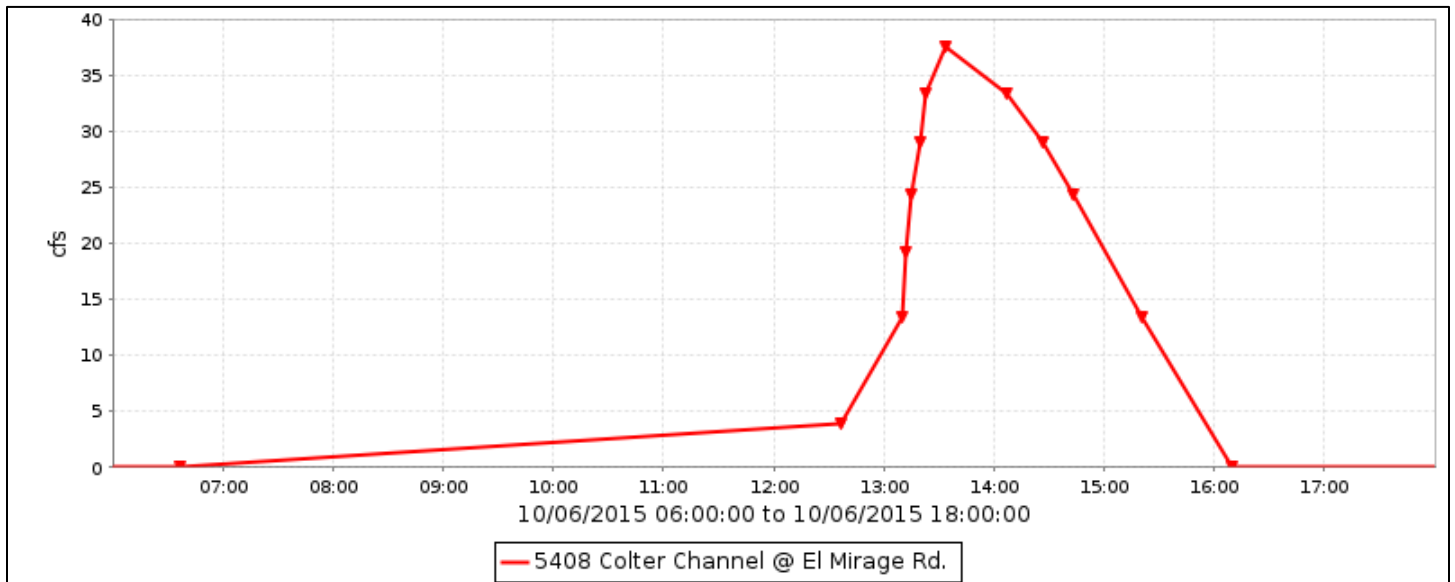
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	0.75	37
10/20/2015	0.35	19
08/05/2016	0.39	21
08/09/2016	0.54	28

Hydrograph of peak WY 2016 flow event, 10/06/2015



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
43	71	94	120	161	197

NOTE: These results are based on very limited data.

Colter Channel, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2							2						
3													
4												---	
5											2	---	
6	3												
7													
8													
9											2		
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20	2												
21													
22													
23													
24													
25													
26													
27													
28													
29													
30							---						
31		---					---		---			---	
TOTAL	5	0	0	0	0	0	2	0	0	0	4	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	
MAX	37	0	0	0	0	0	21	0	0	0	28	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	10	0	0	0	0	0	3	0	0	0	8	0	
WTR YR 2016	TOTAL		11	MEAN		0	MAX	37	MIN		0	AC_FT	22

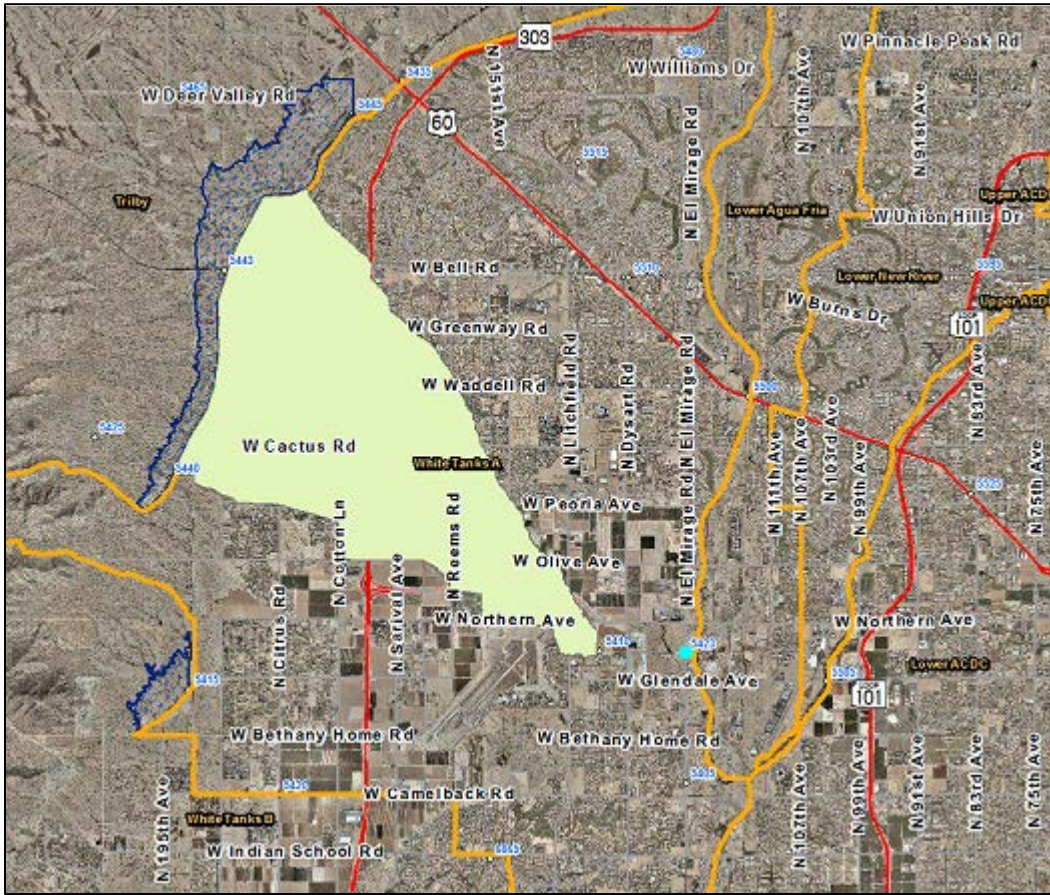
Dysart Drain at LAFB, ID #5413



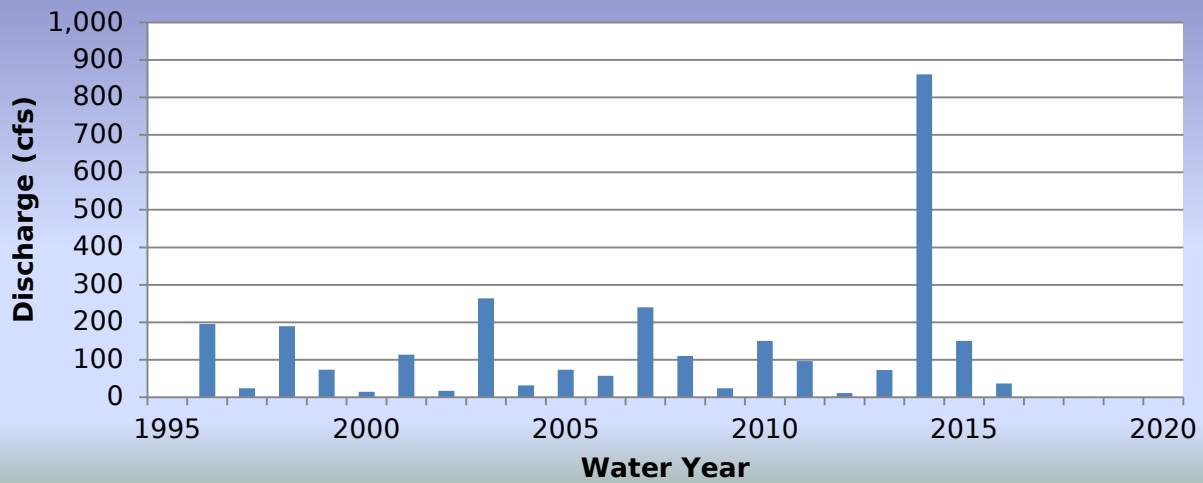
Site Data

LOCATION	On Dysart Drain about 1/3 mile east of Litchfield Road
DRAINAGE AREA	24.3 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Glendale, Arizona
WATERSHED	White Tanks A
SECTION/TOWNSHIP/RANGE	S03 T2N R1W
LATITUDE	N 33° 32' 38.3" +33.54397
LONGITUDE	W 112° 20' 57.8" -112.34940
STREAMGAGE INSTALLATION DATE	08/22/1996 - WY 1996
AVAILABLE PERIOD OF RECORD	08/22/1996 - Current
LENGTH OF AVAILABLE POR DATA	20.11 Years 7,345 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	862 cfs 4.30 feet 09/08/2014

Watershed Map



Dysart Drain at LAFB - water year peaks

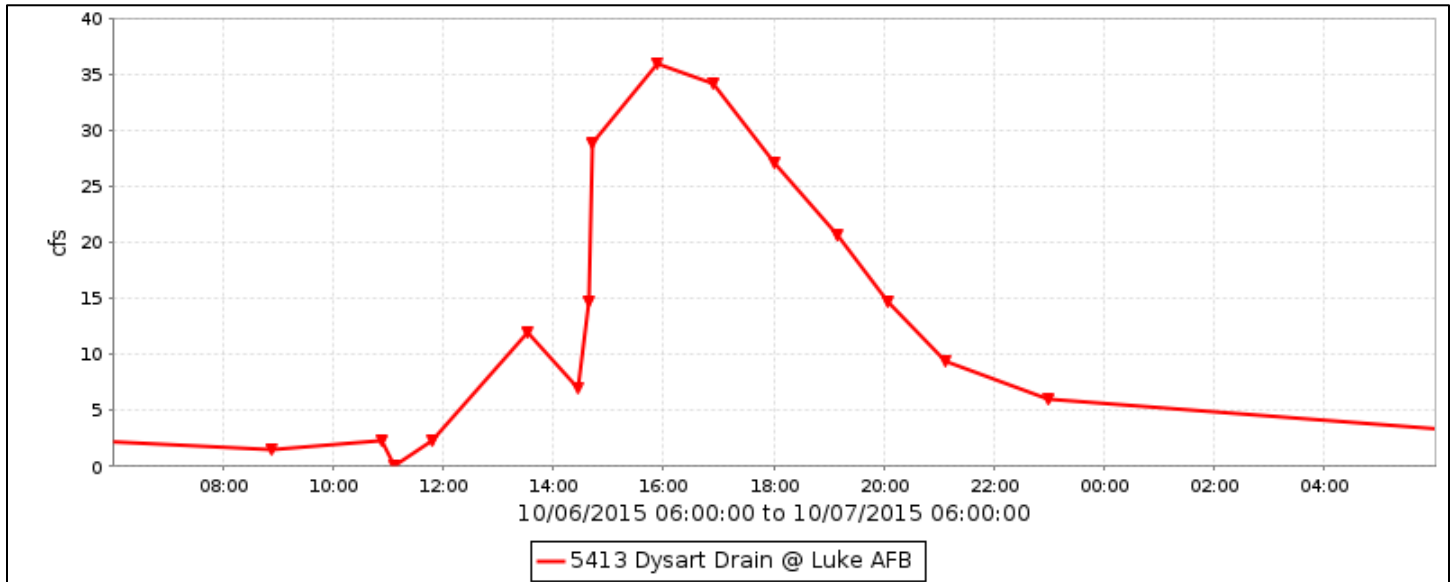


2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	0.80	36

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

Hydrograph of peak WY 2016 flow event, 10/06/2015



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
76	188	302	447	697	938

NOTE: These results are based on very limited data.

Dysart Drain at LAFB, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1	2	---	13			12	11	1	1	1	
2	1	2	---	12		7	11	11	1	2	1	
3	3	3	10	14		11	13	11	1	1	1	
4	2	4	14	15		15	9	5	1	1		---
5	3	3	15	14		15	8	1	1	1		---
6	10	3	14	18		12	9	1	1	1		
7	4	3	13	16		10	10	2	1	1		
8	3	3	14	13		9	10	1	1	1		
9	2	3	12	11		11	11	1	1	1		
10	2	3	14	11		14	13	1	1	1		
11	2	3	14	13		12	12	1	1	1		
12	2	3	14	15		15	13	1	1	1		
13	2	2	15	13		15	11	1	1	1		
14	3	3	13	12		12	9	1	1	1		
15	3	4	13	14		10	8	1	1	1		
16	2	4	15	14		12	10	1	1	1		
17	2	3	13	13		9	11	1	1	1		
18	2	3	14	14		9	12	1	1	1		
19	3	2	14	13		9	10	1	1	1		
20	4	3	13	13		10	8	1	1	1		
21	3	3	13	13		9	10	1	1	1		
22	2	3	14	14		12	10	1	1	1		
23	2	3	13	12		15	9	1	1	1		
24	3	3	12	11		15	10	1	1	1		
25	3	2	14	11		10	10	1	1	1		
26	3	3	13	11		11	10	1	1	1		
27	2	4	13	13		10	12	1	---	1		
28	2	3	15	14		10	11	1	1	1		
29	2	4	14	13		10	11	1	1	1		
30	3	4	16		---	12	11	1	1	1		
31	2	---	15		---	10	---	1	---	1		---
TOTAL	83	91	396	386	0	342	315	74	39	40	4	0
MEAN	3	3	14	12	0	11	10	2	1	1	0	0
MAX	36	6	17	28	0	18	15	14	1	2	1	0
MIN	0	0	0	0	0	0	7	1	1	1	0	0
AC_FT	165	180	785	766	0	678	625	147	76	80	8	0
WTR YR 2016	TOTAL	1769	MEAN	5	MAX	36	MIN	0	AC_FT	3510		

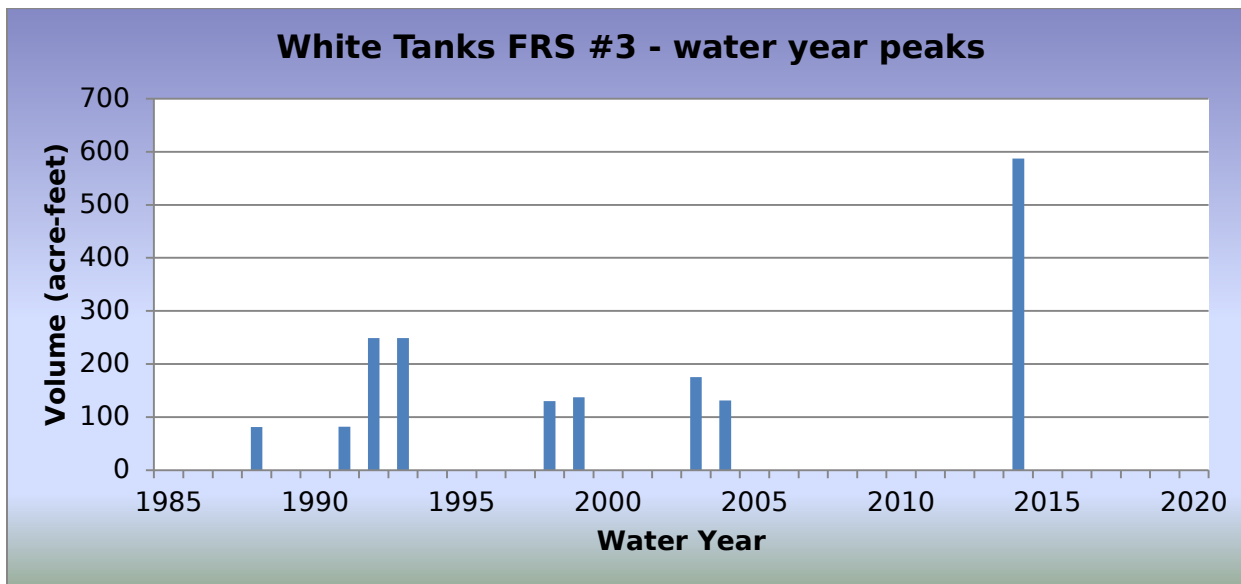
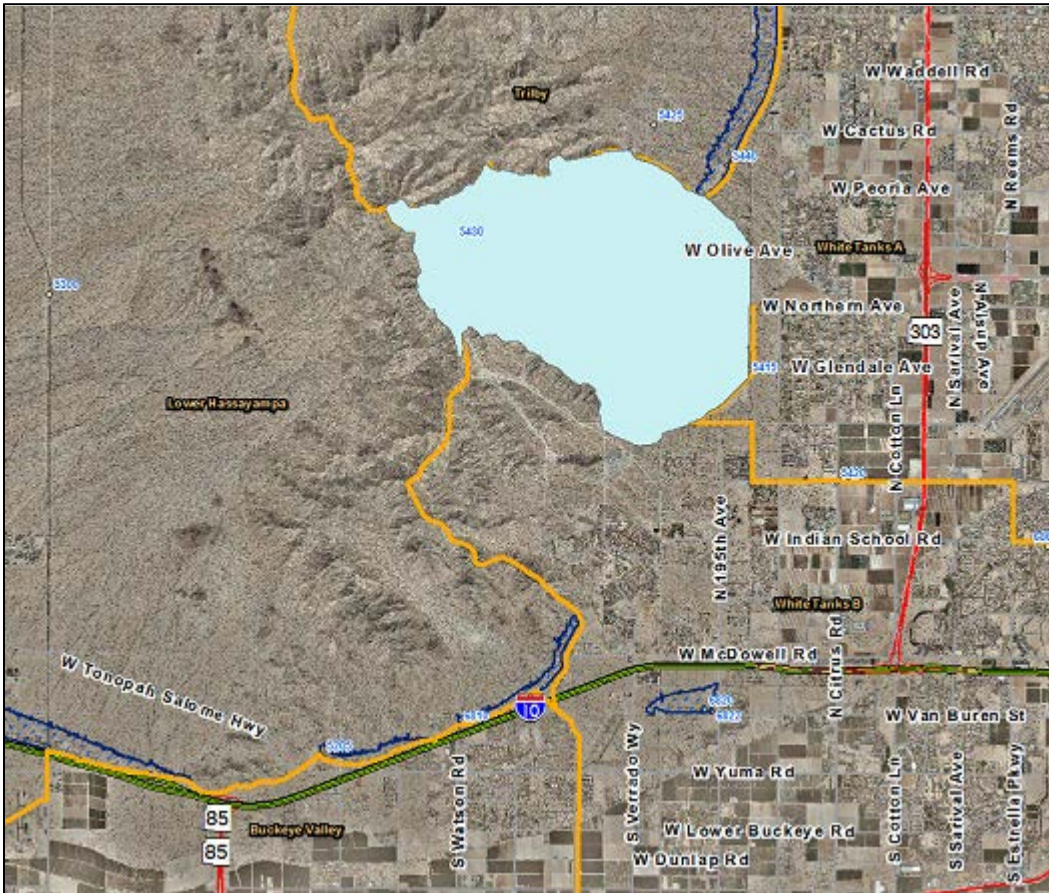
White Tanks FRS #3, ID #5418



Site Data

LOCATION	Located on the eastern foothills of the White Tank Mountains, north of Northern Avenue
DRAINAGE AREA	20.5 mi ²
STREAM TYPE	Impounding of natural drainage
JURISDICTION	Maricopa County, Arizona
WATERSHED	White Tanks B
SECTION/TOWNSHIP/RANGE	S09 T2N R2W
LATITUDE	N 33° 31' 56.0" +33.53322
LONGITUDE	W 112° 28' 19.2" -112.47199
STREAMGAGE INSTALLATION DATE	03/12/1986 - WY 1986
AVAILABLE PERIOD OF RECORD	01/01/1988 - Current
LENGTH OF AVAILABLE POR DATA	28.75 Years 10,501 Days
GAPS (> 2 DAYS) IN RECORD	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 NAVD 1988
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



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

There were no impoundments recorded in Water Year 2016.

White Tanks FRS #3, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	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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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

White Tanks FRS #3, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
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18												
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20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
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 2016	MEAN	0	MAX	0	MIN	0						

White Tanks FRS #3, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	1.5
16	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
17	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
19	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
20	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
21	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
22	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
23	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
24	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
25	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
26	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
27	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
28	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
29	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
30	1.5	1.5	1.5	1.5	---	1.5	1.5	1.5	1.5	1.5	1.5	1.5
31	1.5	---	1.5	1.5	---	1.5	---	1.5	---	1.5	1.5	---
MEAN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MAX	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MIN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
WTR YR 2016	MEAN	1.50	MAX	1.50	MIN	1.50						

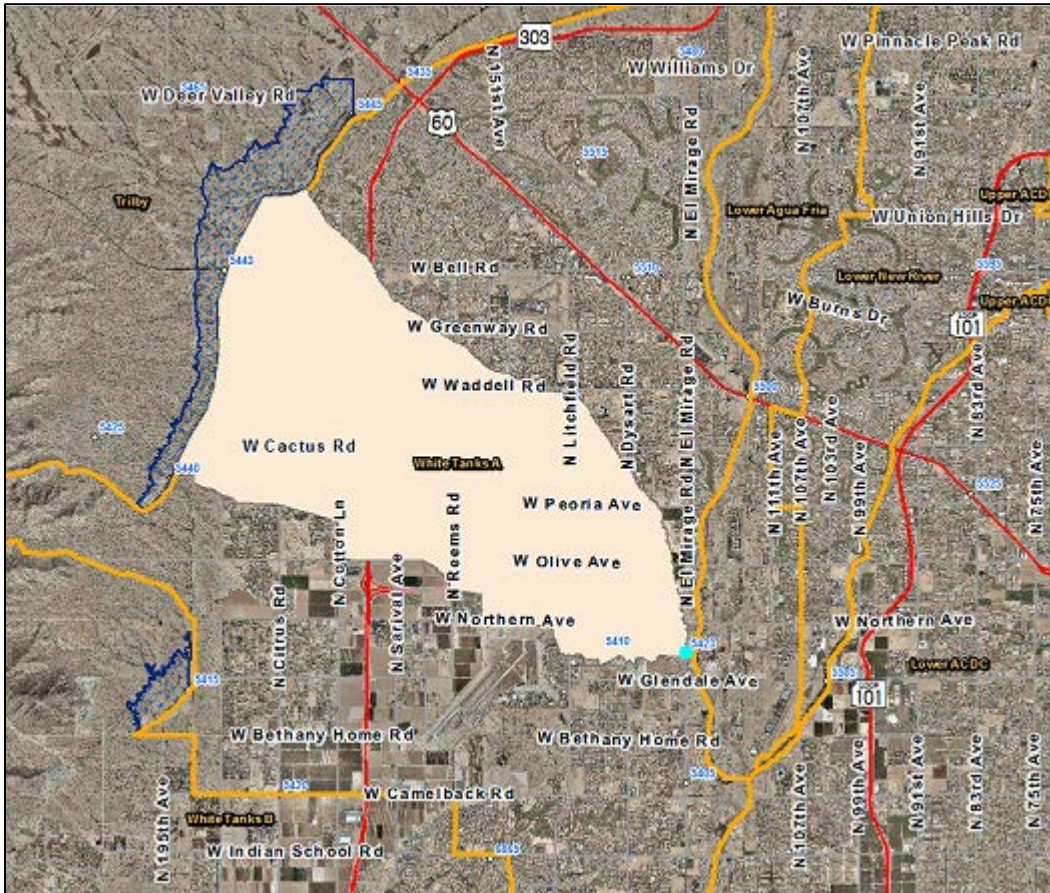
Dysart Drain at El Mirage Road, ID #5423



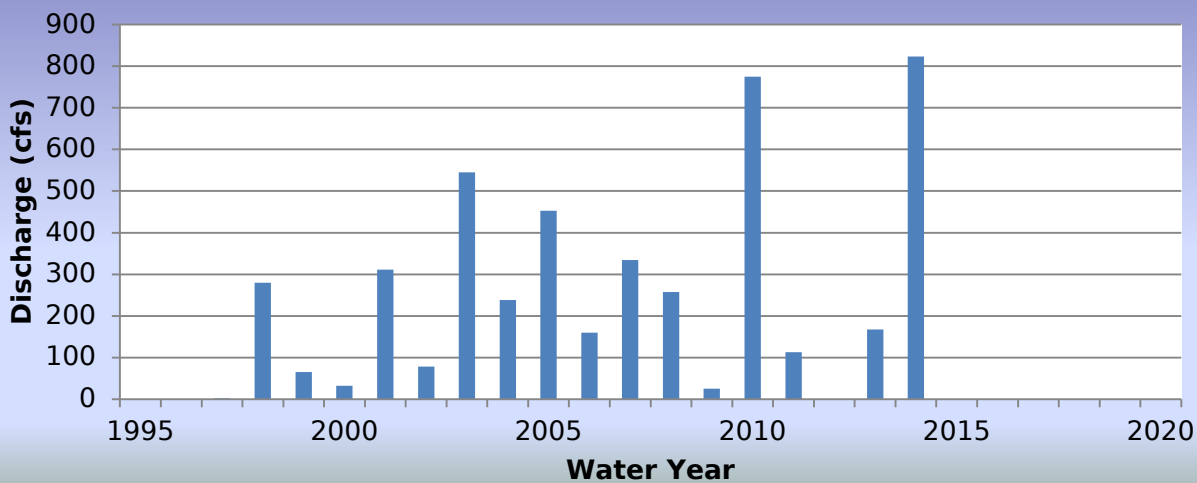
Site Data

LOCATION	On El Mirage Road about mid-way between Glendale and Northern Avenues
DRAINAGE AREA	34.7 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Glendale, Arizona
WATERSHED	White Tanks A
SECTION/TOWNSHIP/RANGE	S016 T2N R1W
LATITUDE	N 33° 32' 37.1" +33.54370
LONGITUDE	W 112° 19' 26.6" -112.32399
STREAMGAGE INSTALLATION DATE	03/07/1997 - WY 1997
AVAILABLE PERIOD OF RECORD	03/07/1997 - Current
LENGTH OF AVAILABLE POR DATA	19.57 Years 7,148 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,052.20 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	823 cfs 5.30 feet 09/08/2014

Watershed Map



Dysart Drain at El Mirage Road - water year peaks



2016 Events

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

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

Hydrograph of peak WY 2016 flow event

No runoff recorded during Water Year 2016.

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
71	328	682	1,210	2,220	3,250

NOTE: These results are based on very limited data.

Dysart Drain at El Mirage Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	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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17															
18															
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20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30					---										
31		---	---		---		---		---			---			
TOTAL	0	0	0	0	0	0	0	0	---	0	0	0			
MEAN	0	0	0	0	0	0	0	0	---	0	0	0			
MAX	1	---	---	---	0	0	0	---	---	---	---	---			
MIN	---	---	0	0	0	0	0	0	---	0	0	0			
AC_FT	0	0	0	0	0	0	0	0	---	0	0	0			
WTR YR 2016	TOTAL		0	MEAN		0	MAX		1	MIN		0	AC_FT		0

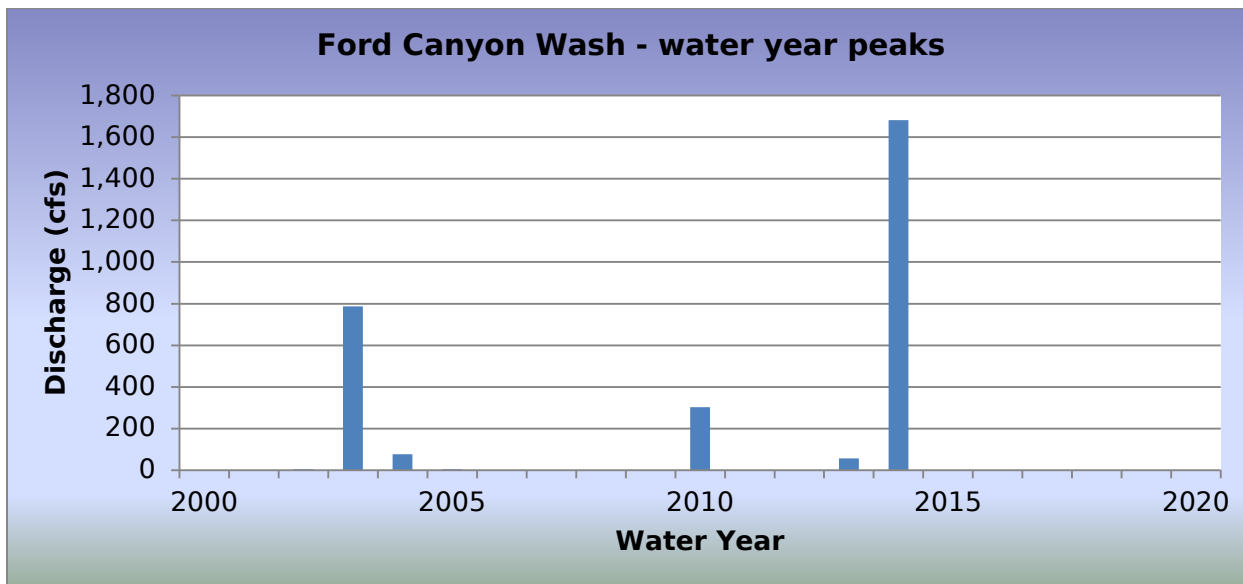
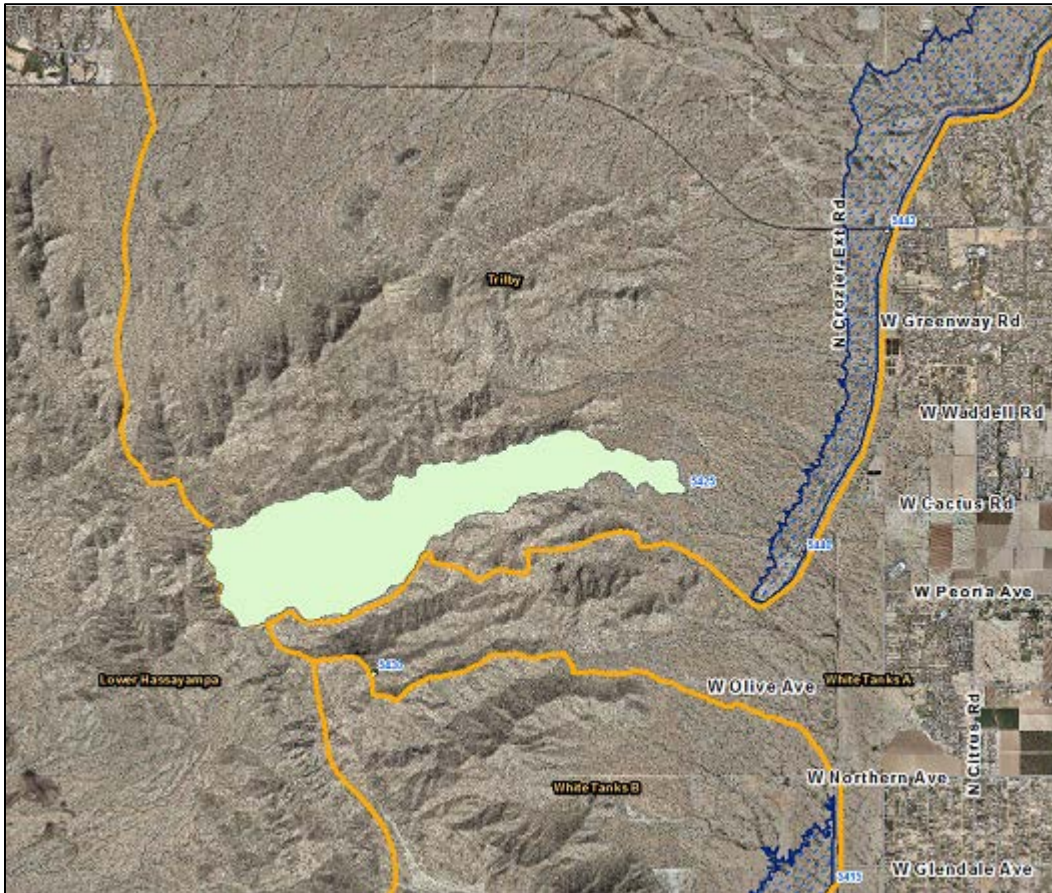
Ford Canyon Wash, ID #5428



Site Data

LOCATION	Located in the north part of White Tanks Regional Park
DRAINAGE AREA	4.3 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	White Tanks B
SECTION/TOWNSHIP/RANGE	S18 T3N R2W
LATITUDE	N 33° 35' 47.3" +33.59648
LONGITUDE	W 112° 29' 57.3" -112.49925
STREAMGAGE INSTALLATION DATE	02/05/2002 - WY 2002
AVAILABLE PERIOD OF RECORD	02/05/2002 - Current
LENGTH OF AVAILABLE POR DATA	14.65 Years 5,352 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.72 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,468.00 feet NAVD 1988
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



2016 Events

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

Hydrograph of peak WY 2016 flow event

No runoff recorded during Water Year 2016.

Flood Flow Frequency

Flood Flow Frequency Based on HEC-1 Analysis, June 2002					
2-year	5-year	10-year	25-year	50-year	100-year
200	390	690	1,740	1,875	1,960

Ford Canyon Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	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															
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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	1	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	1	0	0	0	0	0	0	0	1			
WTR YR 2016	TOTAL		1	MEAN		0	MAX		1	MIN		0	AC_FT		2

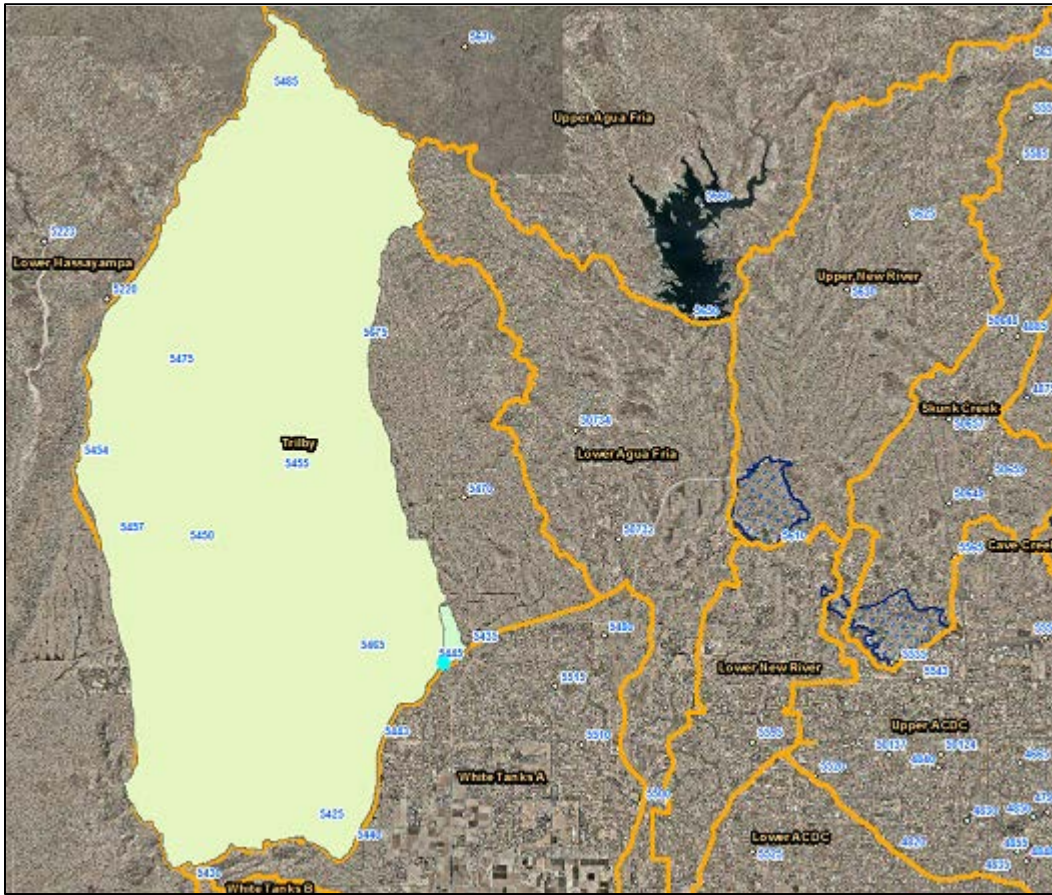
McMicken Floodway, ID #5438



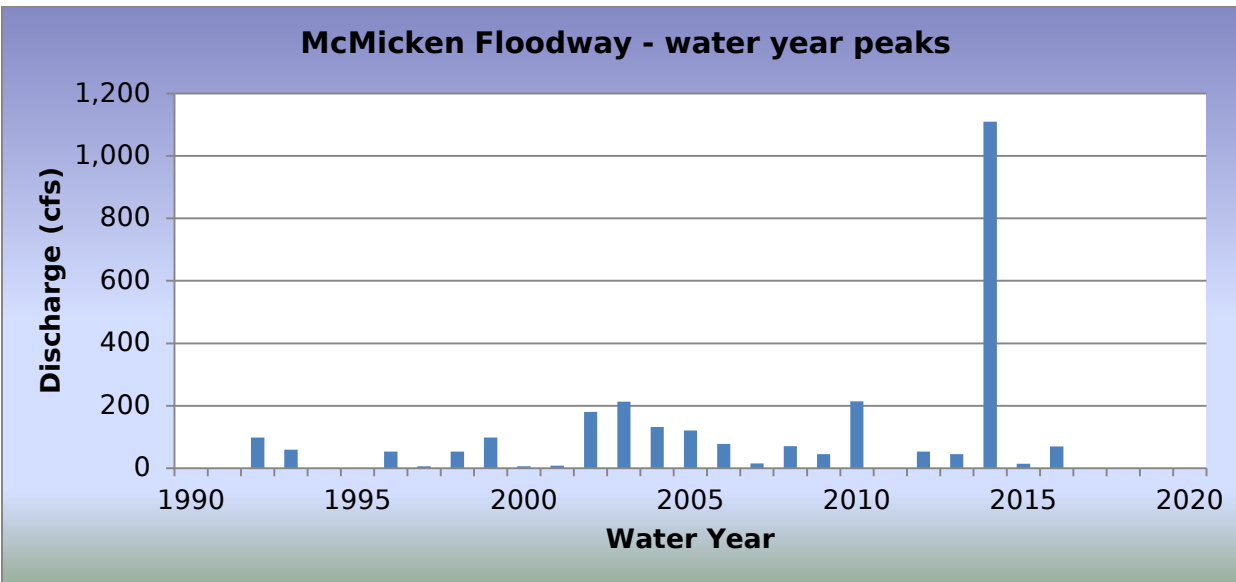
Site Data

LOCATION	Near the intersection of 163rd and Grand Avenues
DRAINAGE AREA	305 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Surprise, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S18 T4N R1W
LATITUDE	N 33° 41' 07.2" +33.68532
LONGITUDE	W 112° 24' 31.1" -112.40864
STREAMGAGE INSTALLATION DATE	05/19/1992 - WY 1992
AVAILABLE PERIOD OF RECORD	05/19/1992 - Current
LENGTH OF AVAILABLE POR DATA	24.37 Years 8,901 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	1,323.17 feet M.S.L.
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



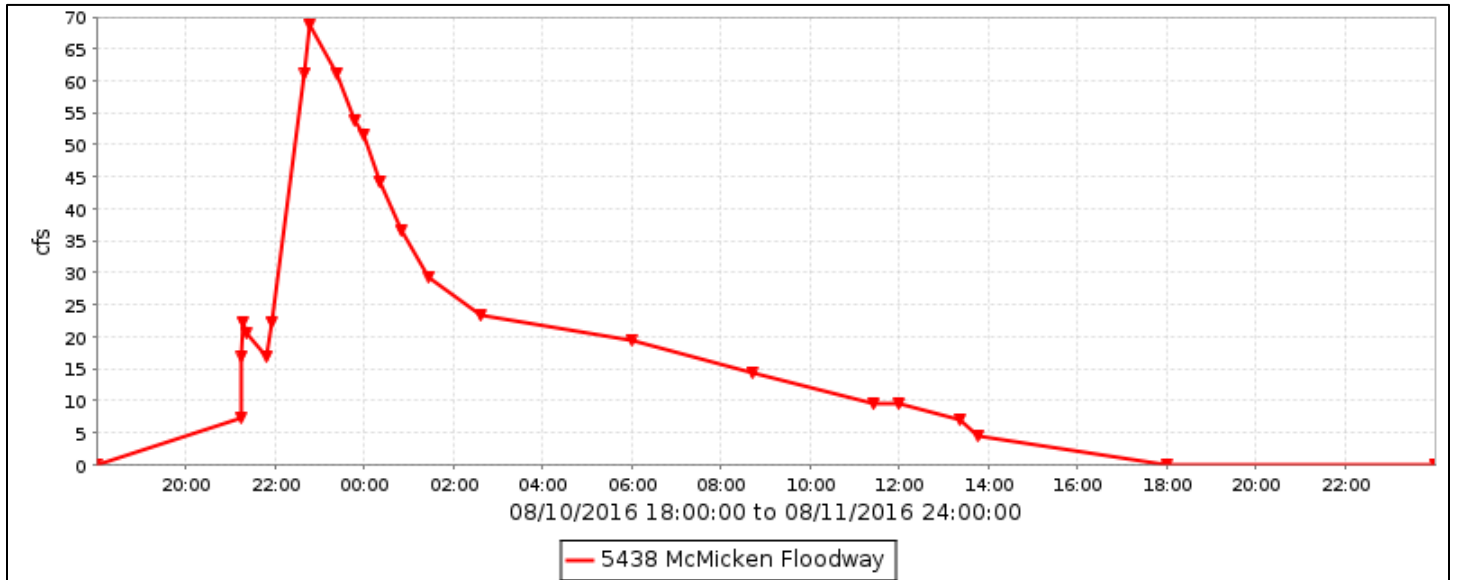
McMicken Floodway - water year peaks



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/07/2016	0.55	18
08/04/2016	1.18	61
08/10/2016	1.28	69
08/22/2016	0.60	21

Hydrograph of peak WY 2016 flow event, 08/10/2016



Flood Flow Frequency

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

McMicken Floodway, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4											10	---
5											10	---
6												
7				4								
8												
9												
10											5	
11											13	
12												
13												
14												
15												
16												
17												
18												
19												
20												
21	7											
22	3										1	
23												
24												
25												
26									---			
27												
28												
29												1
30					---							
31		---			---		---		---			---
TOTAL	10	0	0	5	0	0	0	0	0	0	39	1
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	21	0	0	18	0	0	0	0	0	0	69	6
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	19	0	0	9	0	0	0	0	0	0	77	3
WTR YR 2016	TOTAL	54	MEAN	0	MAX	69	MIN	0	AC_FT	108		

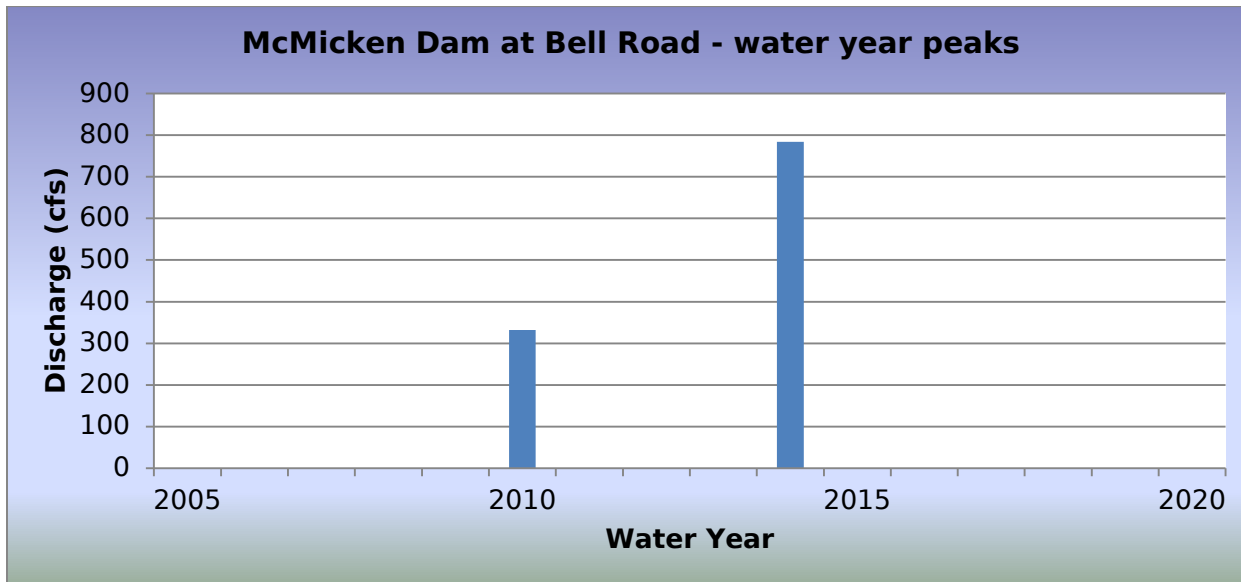
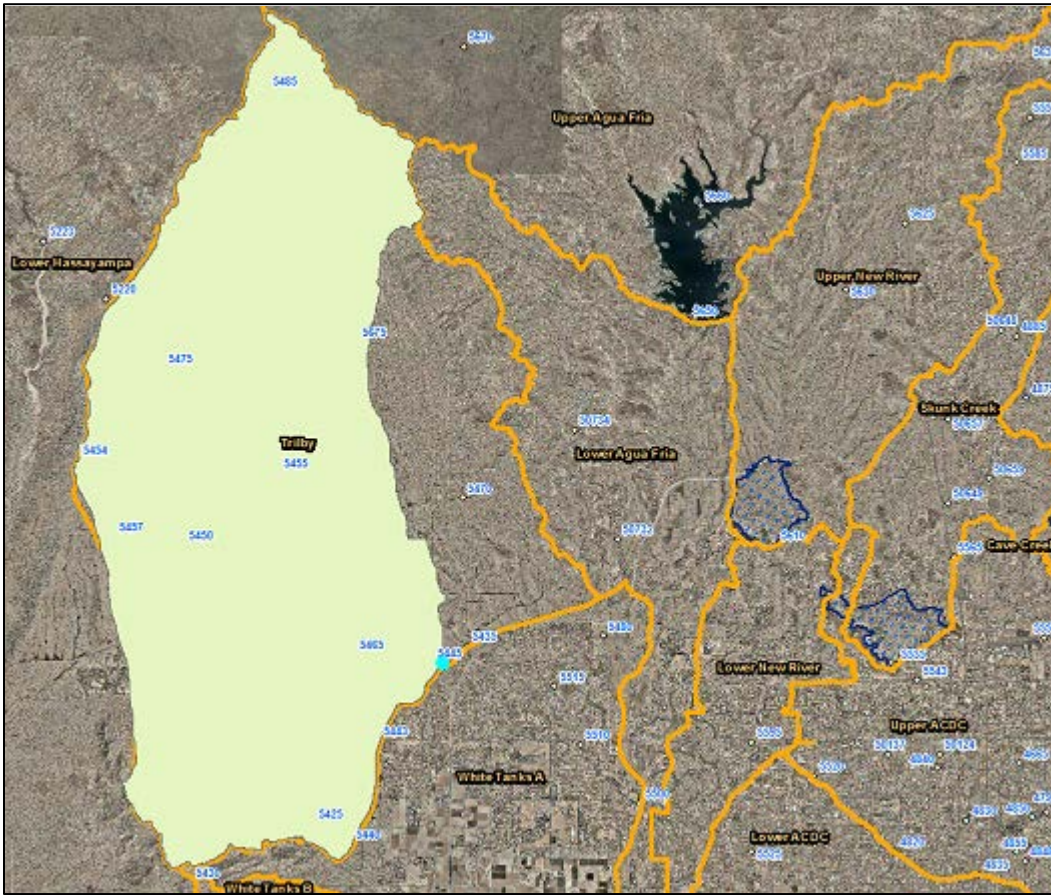
McMicken Dam at Bell Road, ID #5443



Site Data

LOCATION	Located on the south side of McMicken Dam at Bell Road
DRAINAGE AREA	247 mi ² at outlet gage
STREAM TYPE	Dam Pool Pass-through
JURISDICTION	Surprise, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S03 T3N R2W
LATITUDE	N 33° 38' 17.6" +33.63823
LONGITUDE	W 112° 27' 41.1" -112.46141
STREAMGAGE INSTALLATION DATE	03/04/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	03/04/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.58 Years 2,768 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.35 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded in Water Year 2016.

Flood Flow Frequency

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

McMicken Floodway, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2			---												
3															
4												---			
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

McMicken Dam, ID #5448



Site Data

LOCATION	Gage is located about 3 miles north of Bell Road
DRAINAGE AREA	257.9 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Surprise, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S24 T4N R2W
LATITUDE	N 33° 40' 37.2" +33.67699
LONGITUDE	W 112° 25' 24.3" -112.42342
STREAMGAGE INSTALLATION DATE	03/20/1983 - WY 1983
AVAILABLE PERIOD OF RECORD	02/18/1988 - Current
LENGTH OF AVAILABLE POR DATA	28.62 Years 10,453 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.60 feet Gage Height
STAFF GAGES	3
ZERO GAGE HEIGHT ELEVATION	1,336.00 feet NAVD 1988
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

2016 Events

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

Hydrograph of peak WY 2016 impoundment event

There were no impoundments recorded in Water Year 2016.

McMicken Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1										---					
2															
3															
4															
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

McMicken Dam, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---		
2												
3												
4												
5												
6		---										
7		---								---		
8										---		
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27										---		
28											---	
29											---	
30					---					---	---	
31		---			---		---		---	---		---
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 2016	MEAN		0	MAX	0	MIN	0					

McMicken Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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
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	0.0	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
7	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
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
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
16	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
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
26	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	---	1.6	1.6
27	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	---	1.6	1.6
28	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	---	1.6	1.6
29	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	---	1.6	1.6
30	1.6	1.6	1.6	1.6	---	1.6	1.6	1.6	---	---	1.6	1.6
31	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 2016	MEAN	1.60	MAX	1.60	MIN	1.60						

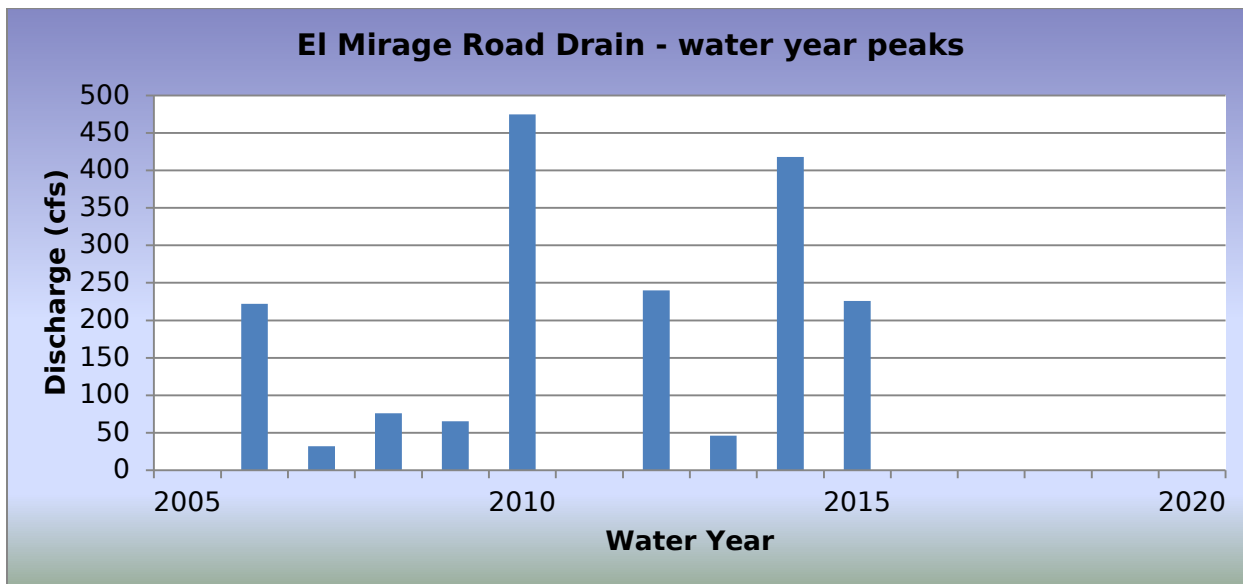
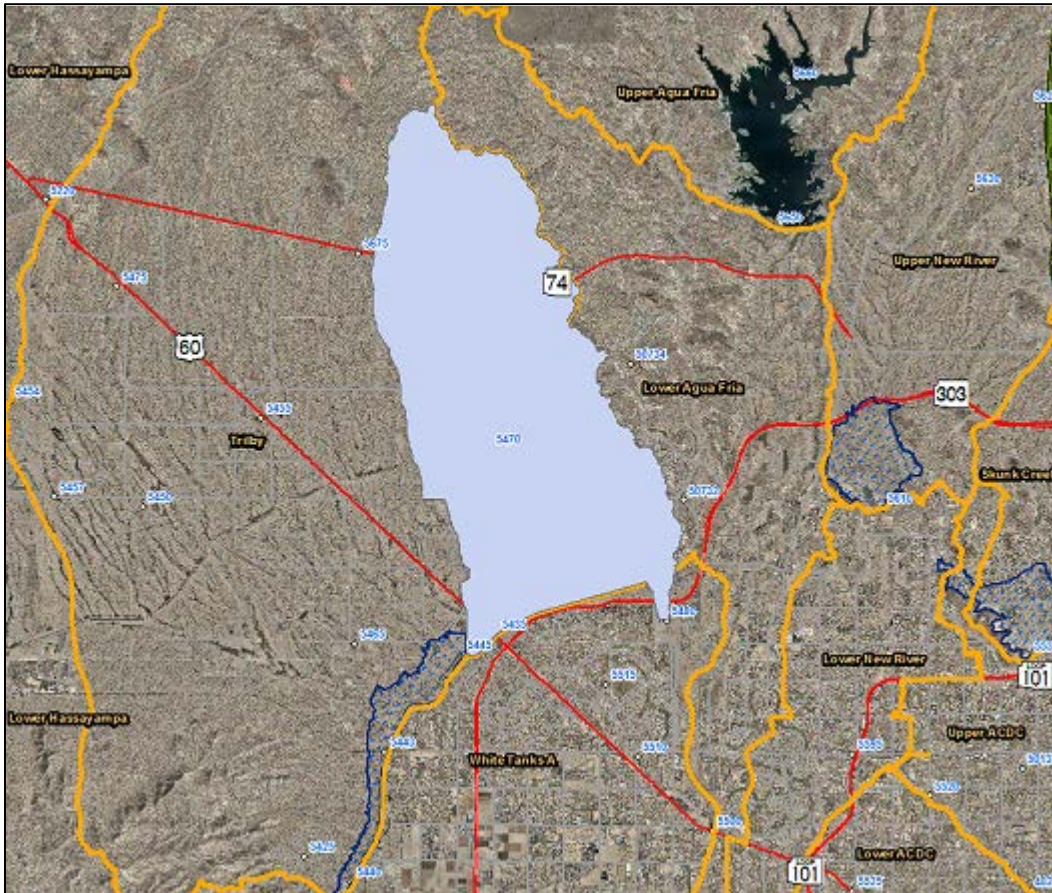
El Mirage Road Drain, ID #5483



Site Data

LOCATION	Located near El Mirage Road south of Loop 303
DRAINAGE AREA	70.3 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Surprise, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S14 T4N R1W
LATITUDE	N 33° 41' 26.6" +33.69072
LONGITUDE	W 112° 19' 40.9" -112.32804
STREAMGAGE INSTALLATION DATE	02/16/2006 - WY 2006
AVAILABLE PERIOD OF RECORD	02/16/2006 - Current
LENGTH OF AVAILABLE POR DATA	10.62 Years 3,880 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	475 cfs 3.36 feet GH 01/21/2010

Watershed Map



2016 Events

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

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

Hydrograph of peak WY 2016 flow event

No runoff recorded during Water Year 2016.

Flood Flow Frequency

Flood Flow Frequency N=11, HEC-WRC computation (based on 11 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
72	331	673	1,160	2,070	2,980

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 2015 to September 2016

DAY	Daily Mean Values														
	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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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

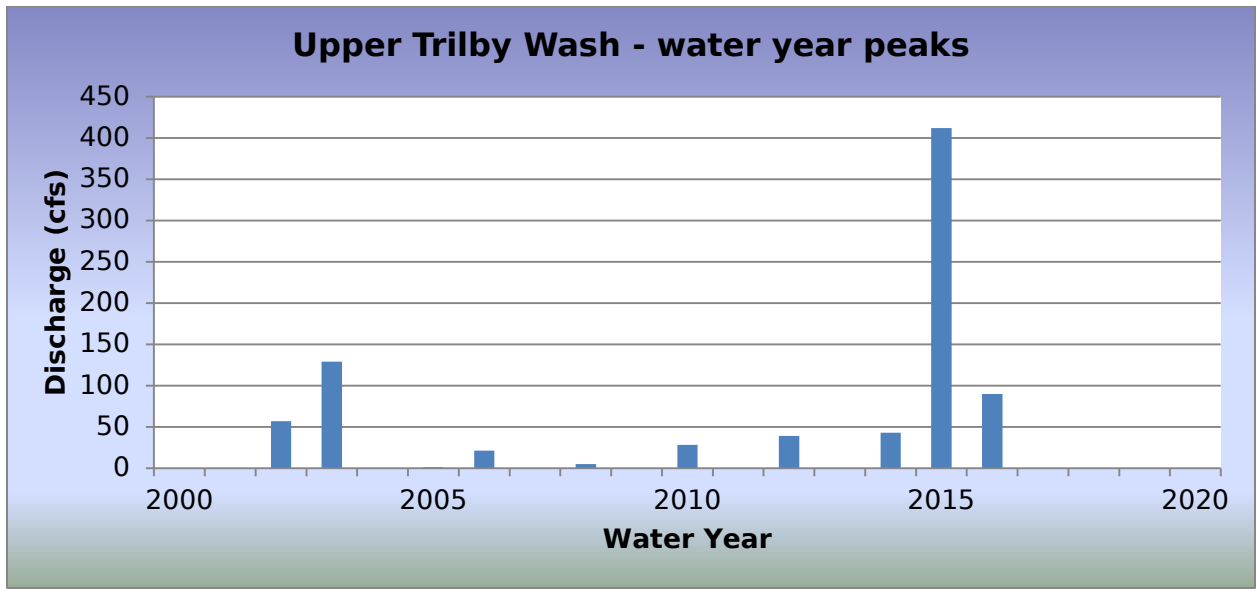
Upper Trilby Wash, ID #5488



Site Data

LOCATION	Located about 3 miles north of Castle Hot Springs Road
DRAINAGE AREA	3.0 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S12 T7N R3W
LATITUDE	N 33° 57' 37.5" +33.96042
LONGITUDE	W 112° 31' 45.3" -112.52925
STREAMGAGE INSTALLATION DATE	09/26/2001 - WY 2001
AVAILABLE PERIOD OF RECORD	09/26/2001 - Current
LENGTH OF AVAILABLE POR DATA	15.01 Years 5,484 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.90 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	3,030.06 feet NAVD 1988
POINT OF ZERO FLOW	0.8 feet Gage Height
EXTREME FOR PERIOD OF RECORD	412 cfs 2.40 feet 07/18/2015

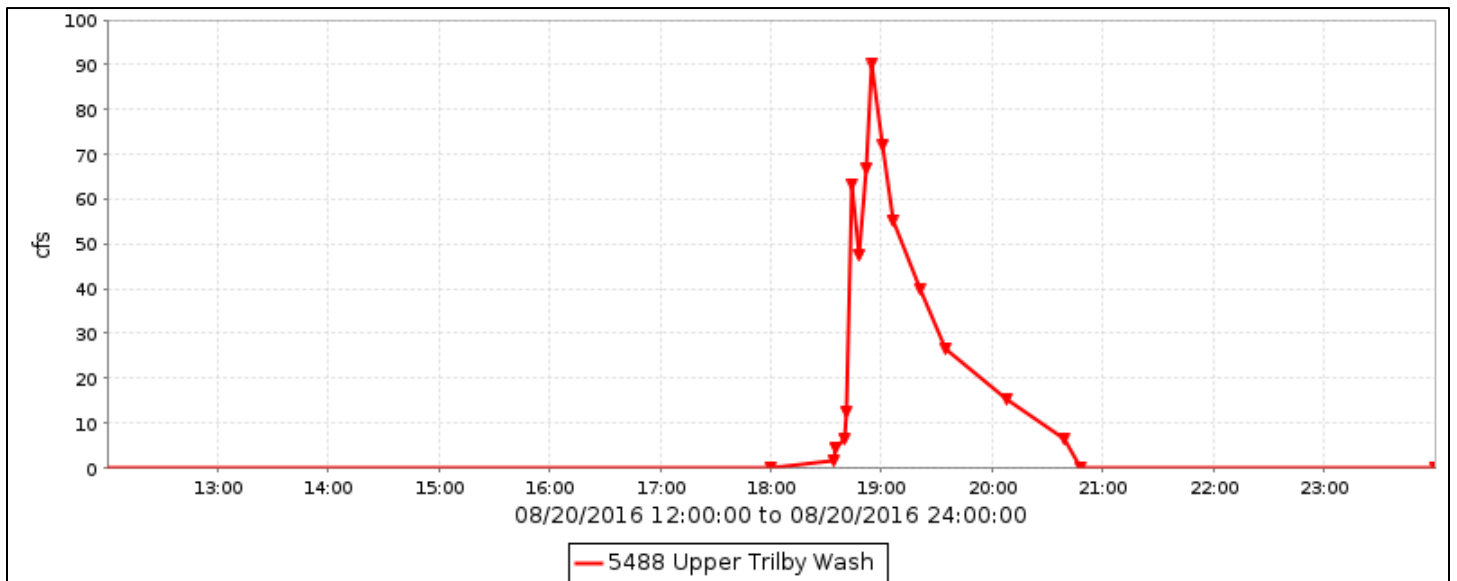
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/21/2015	1.52	71
07/01/2016	1.25	29
08/08/2016	1.35	43
08/09/2016	1.10	12
08/09/2016	1.30	36
08/11/2016	1.30	36
08/12/2016	1.53	72
08/20/2016	1.63	90
08/24/2016	1.23	27

Hydrograph of peak WY 2016 flow event, 08/20/2016



Flood Flow Frequency

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

Upper Trilby Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										1		
2												
3												
4												---
5												---
6												
7												
8											7	
9											2	
10												
11											2	
12											2	
13												
14												
15												
16												
17												
18												
19												
20											3	
21	2											
22												
23												
24											1	
25												
26									---			
27									---			
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	2	0	0	0	0	0	0	0	0	1	17	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	71	0	0	0	0	0	0	0	0	29	90	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	3	0	0	0	0	0	0	0	0	2	34	0
WTR YR 2016	TOTAL	20	MEAN	0	MAX	90	MIN	0	AC_FT	39		

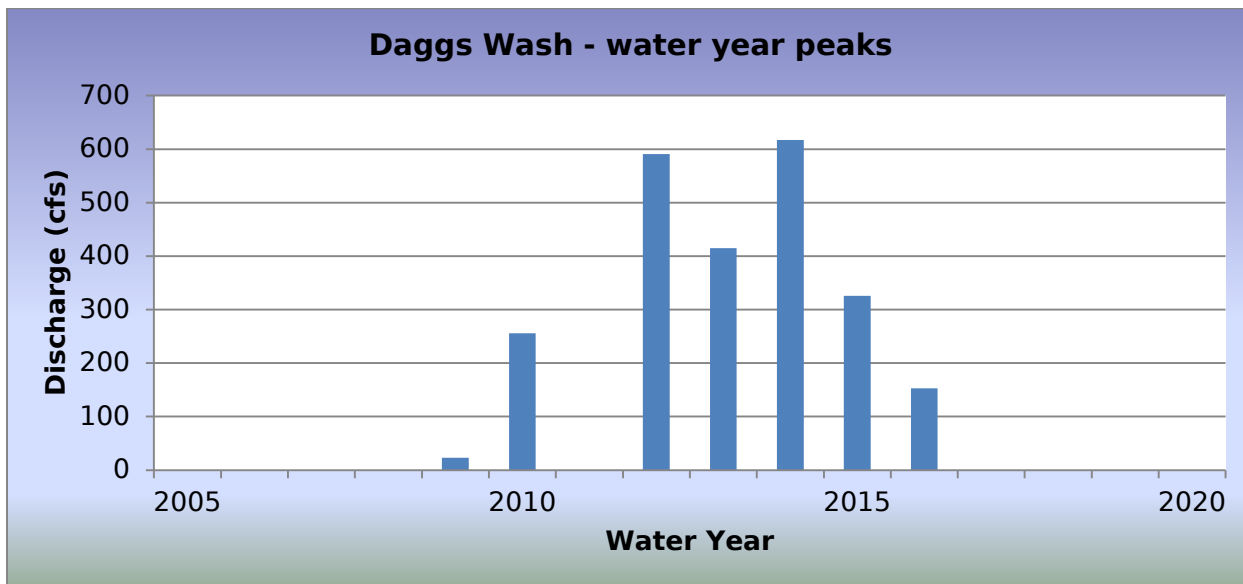
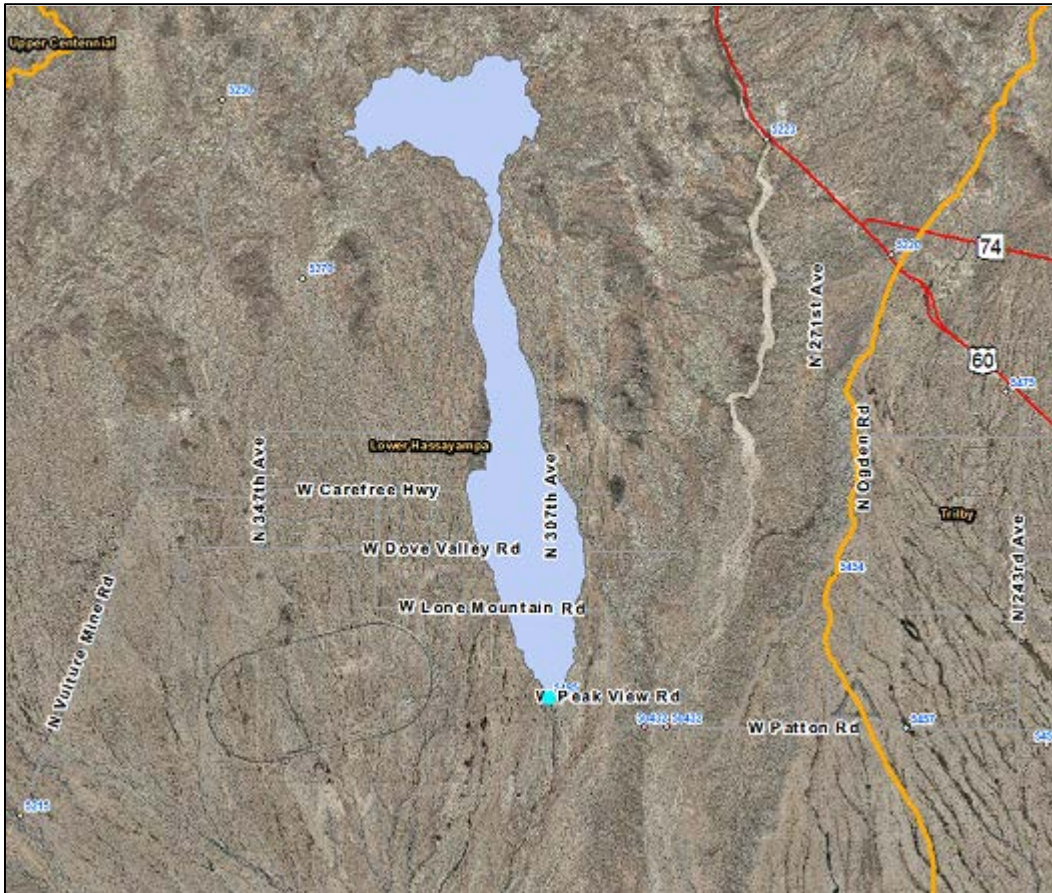
Daggs Wash, ID #5498



Site Data

LOCATION	Near 307th Avenue and Peak View Road
DRAINAGE AREA	13.3 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S25 T5N R5W
LATITUDE	N 33° 44' 45.2" +33.74590
LONGITUDE	W 112° 43' 30.2" -112.72506
STREAMGAGE INSTALLATION DATE	11/08/2007 - WY 2008
AVAILABLE PERIOD OF RECORD	11/08/2007 - Current
LENGTH OF AVAILABLE POR DATA	8.90 Years 3,250 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,668.62 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	617 cfs 2.10 feet Gage Height 08/19/2014

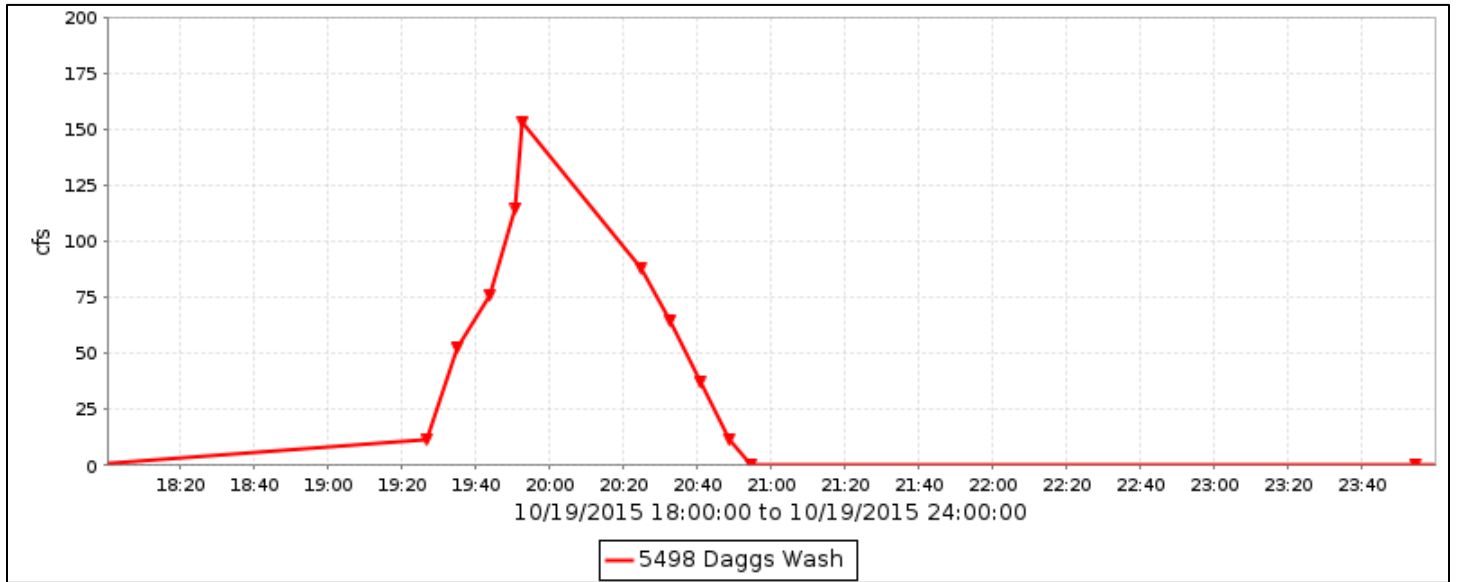
Watershed Maps



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/21/2015	1.52	71
07/01/2016	1.25	29

Hydrograph of peak WY 2016 flow event, 10/21/2015



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 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4												---	
5												---	
6													
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19	5												
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25													
26										---			
27										---			
28													
29													
30						---							
31		---			---		---		---			---	
TOTAL	5	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	153	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	11	0	0	0	0	0	0	0	0	0	0	0	
WTR YR 2016	TOTAL		5	MEAN		0	MAX	153	MIN		0	AC_FT	11

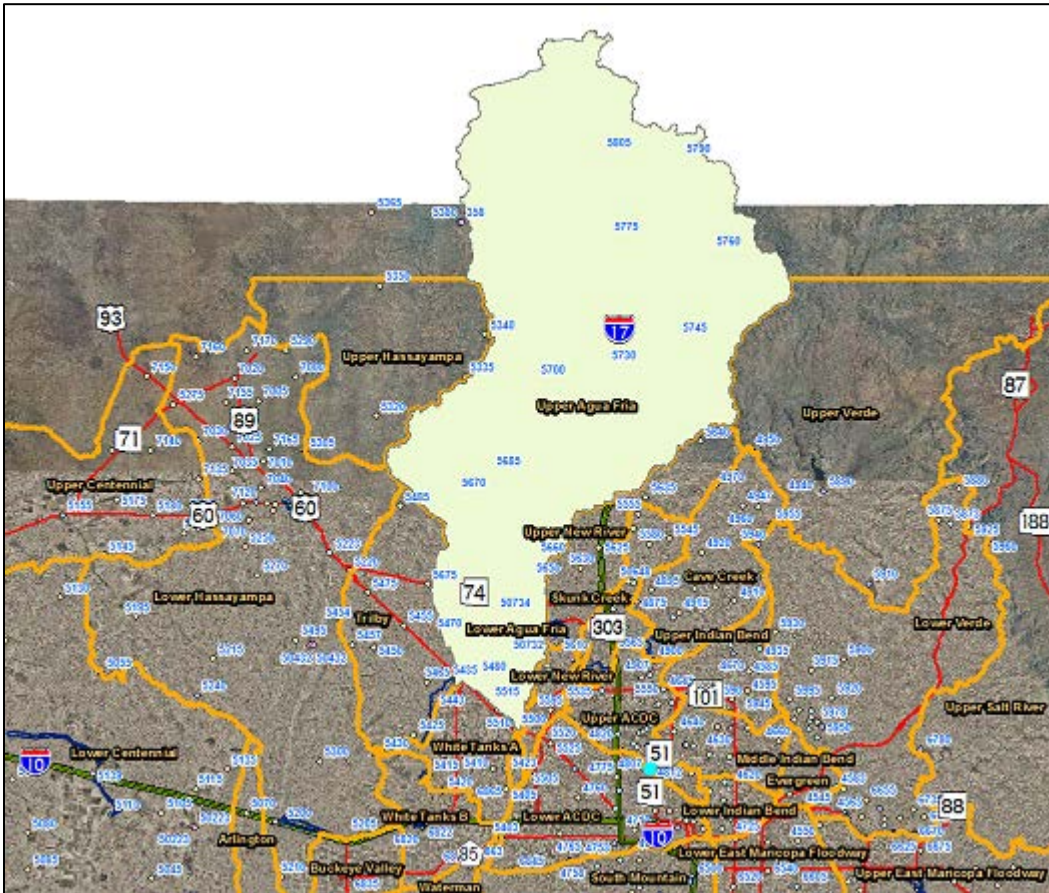
Agua Fria River at Grand Avenue, ID #5503



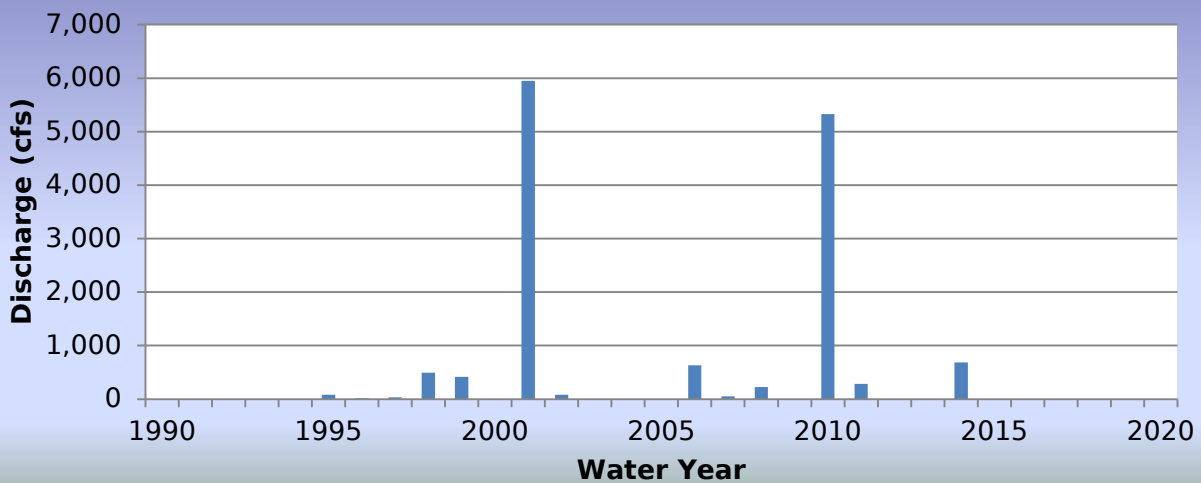
Site Data

LOCATION	On Grand Avenue west of 113th Avenue
DRAINAGE AREA	1,628 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	El Mirage, Arizona
WATERSHED	White Tanks A / Lower Agua Fria
SECTION/TOWNSHIP/RANGE	S18 T3N R1E
LATITUDE	N 33° 36' 26.6" +33.60739
LONGITUDE	W 112° 18' 20.6" -112.30571
STREAMGAGE INSTALLATION DATE	04/27/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	04/27/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.43 Years 8,193 Days
GAPS (> 2 DAYS) IN RECORD	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



Agua Fria River at Grand Ave - water year peaks



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/21/2015	1.52	71
07/01/2016	1.25	29

Hydrograph of peak WY 2016 flow event

There was no runoff recorded during Water Year 2016.

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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												---
5												---
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7								---				---
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25												
26										---		
27										---		
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	3	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	1
WTR YR 2016	TOTAL	1	MEAN	0	MAX	3	MIN	0	AC_FT	2		

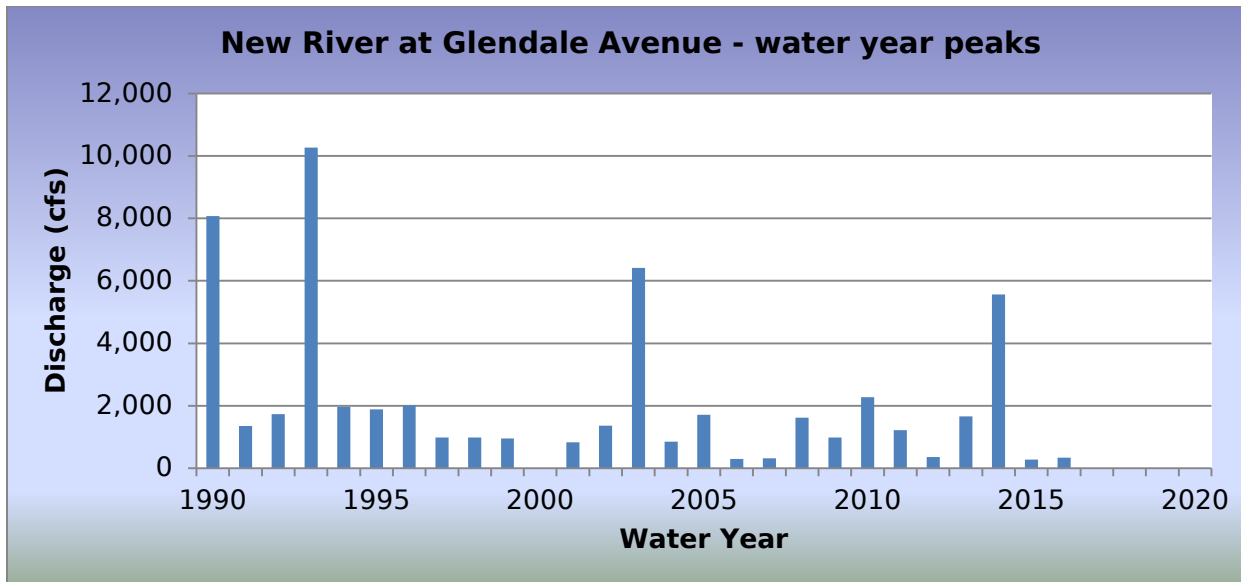
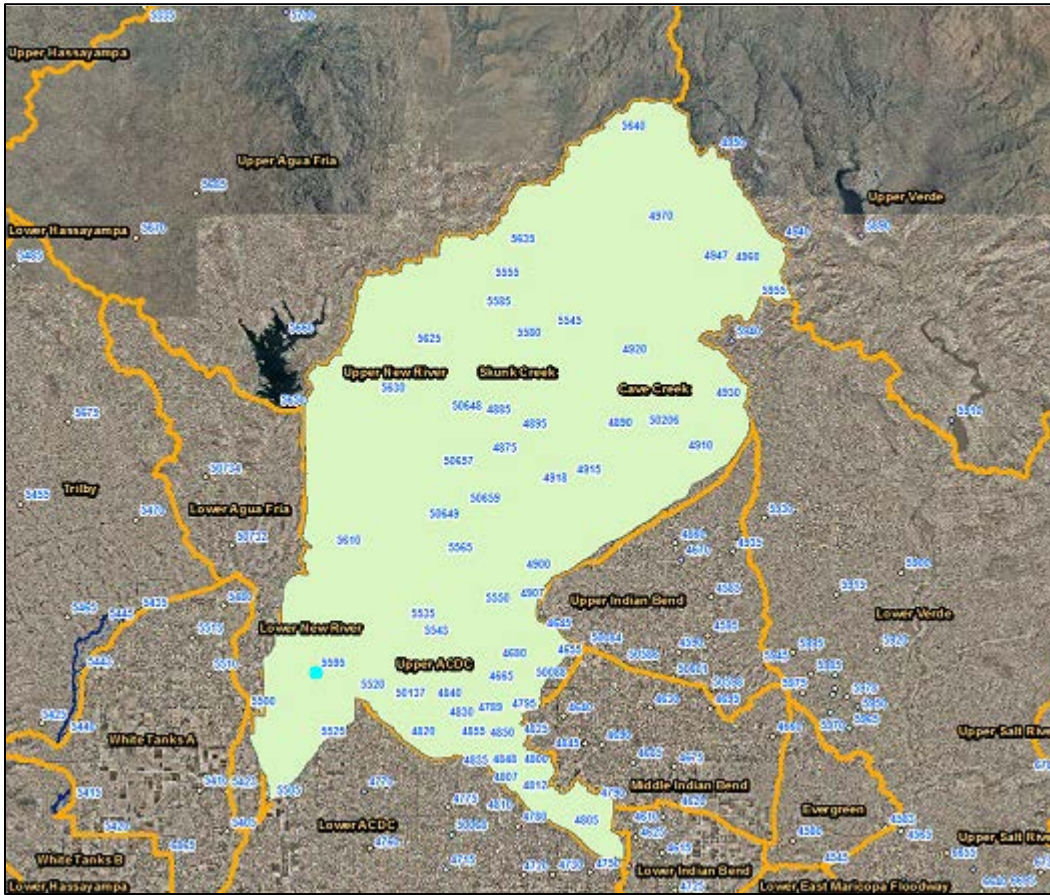
New River at Glendale Avenue, ID #5508



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	03/21/1990 - Current
LENGTH OF AVAILABLE POR DATA	26.53 Years 9,691 Days
GAPS (> 2 DAYS) IN RECORD	08/23/2006 - 03/07/2007
TRANSDUCER GAGE ELEVATION	2.50 feet Gage Height
STAGE GAGE TYPE	RADAR Sensor
RADAR GAGE ELEVATION	20.75 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,043.98 feet M.S.L.
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

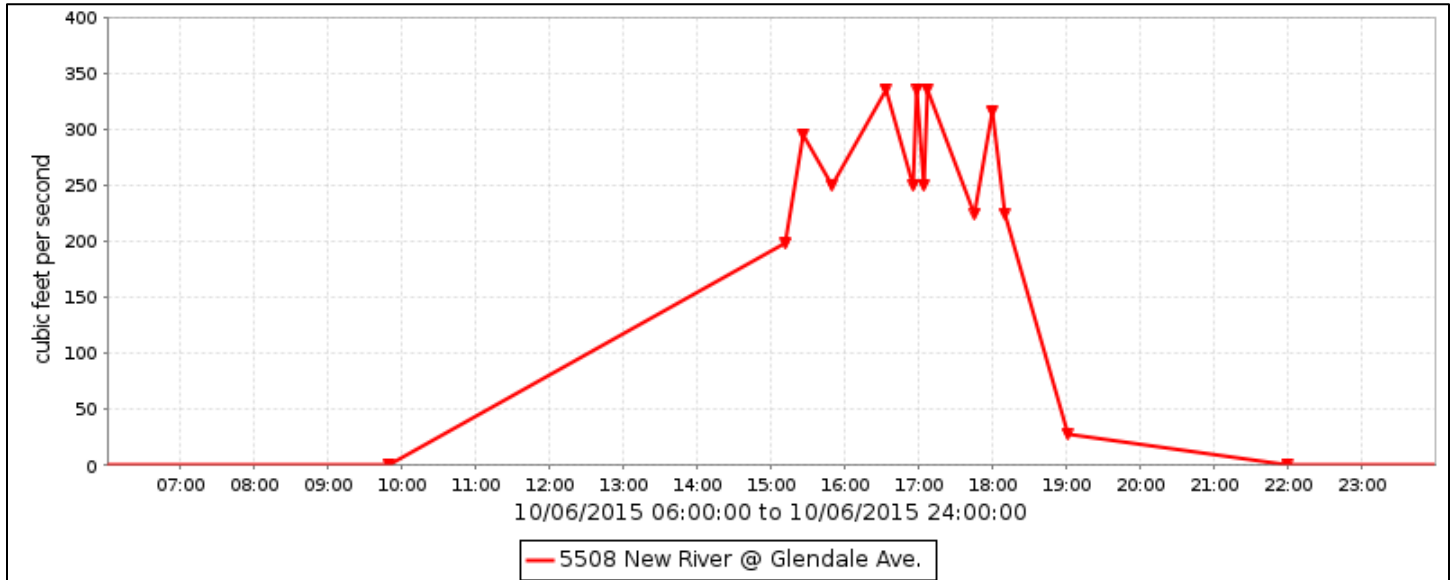
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	0.45	335
10/21/2015	0.40	294

Hydrograph of peak WY 2016 flow event



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
1,710	5,470	10,100	16,800	30,000	44,200

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

NOTE(2): New River Dam upstream limits the peak discharge from the upper portion of the watershed.

New River at Glendale Avenue, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3						---						
4						---						
5												
6	47											
7						---						
8						---						
9						---						
10						---						
11						---						
12						---						
13						---						
14						---						
15						---						
16						---						
17	---					---						
18	---					---						
19						---						
20	65					---						
21	113					---						
22						---						
23						---						
24												
25												
26									---			
27									---	---		
28												
29												
30						---						
31		---				---		---		---		---
TOTAL	225	0	0	0	0	0	0	0	0	0	0	0
MEAN	7	0	0	0	0	0	0	0	0	0	0	0
MAX	335	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	445	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL	225	MEAN	1	MAX	335	MIN	0	AC_FT	445		

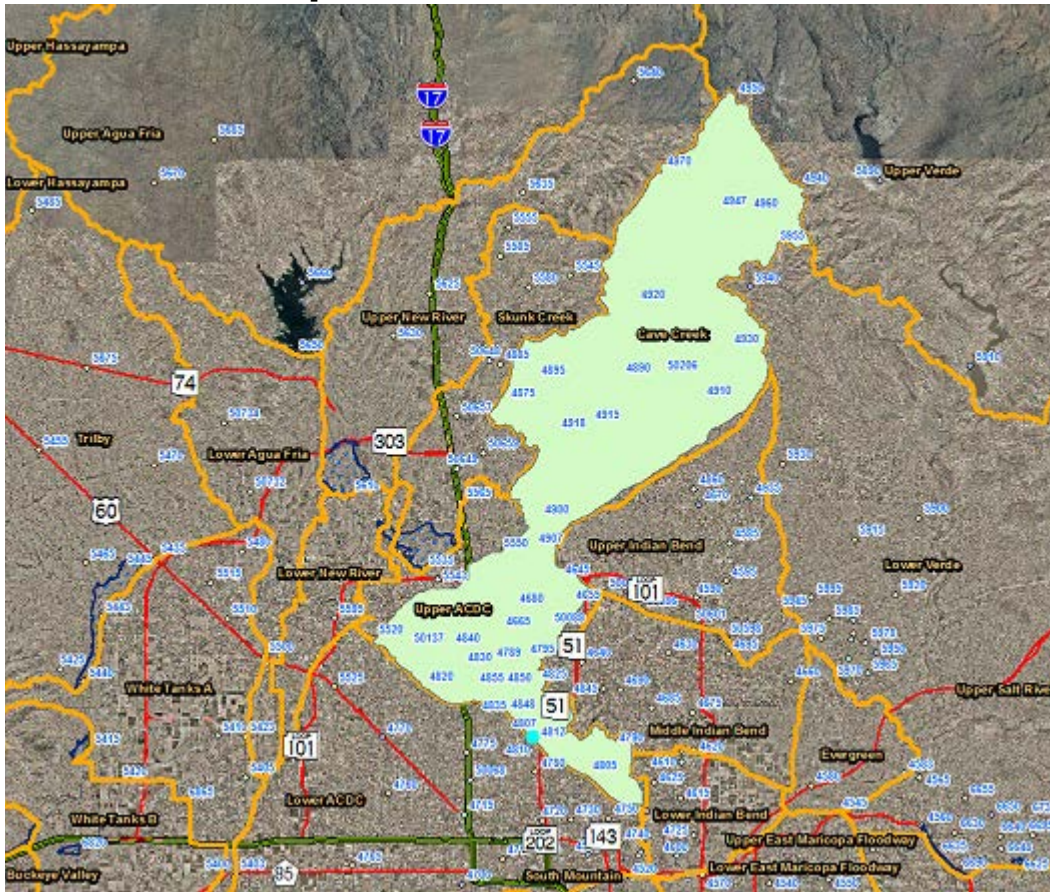
Arizona Canal Diversion Channel at 67th Avenue, ID #5523



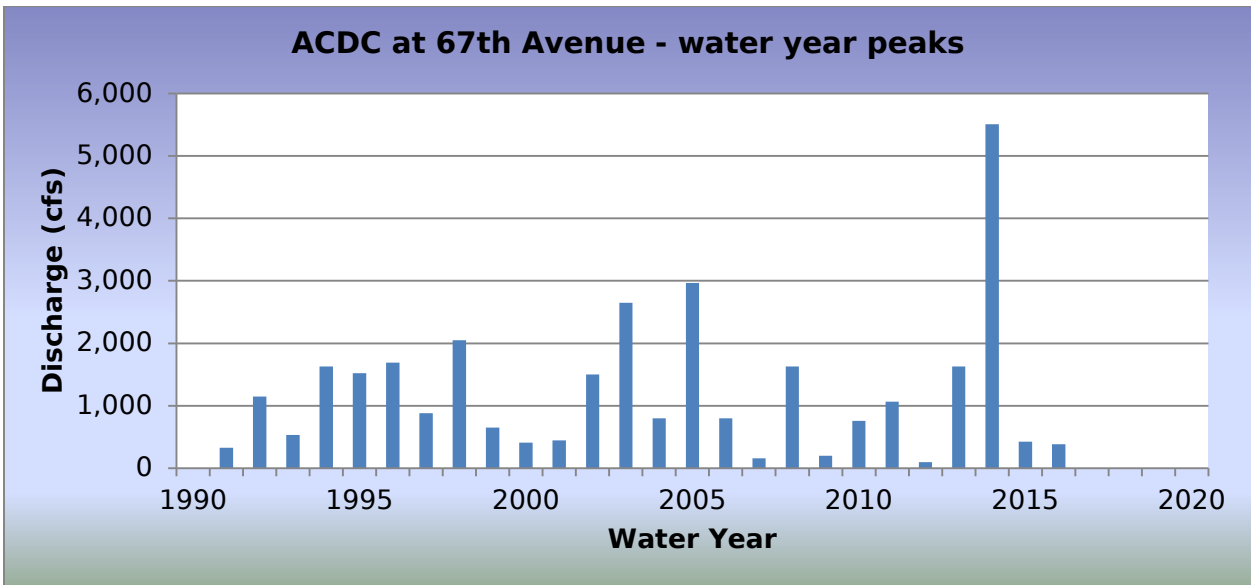
Site Data

LOCATION	On 67th Avenue south of Greenway Road
DRAINAGE AREA	86 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	06/07/1990 - Current
LENGTH OF AVAILABLE POR DATA	26.32 Years 9,613 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	4
ZERO GAGE HEIGHT ELEVATION	1,187.25 feet M.S.L.
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



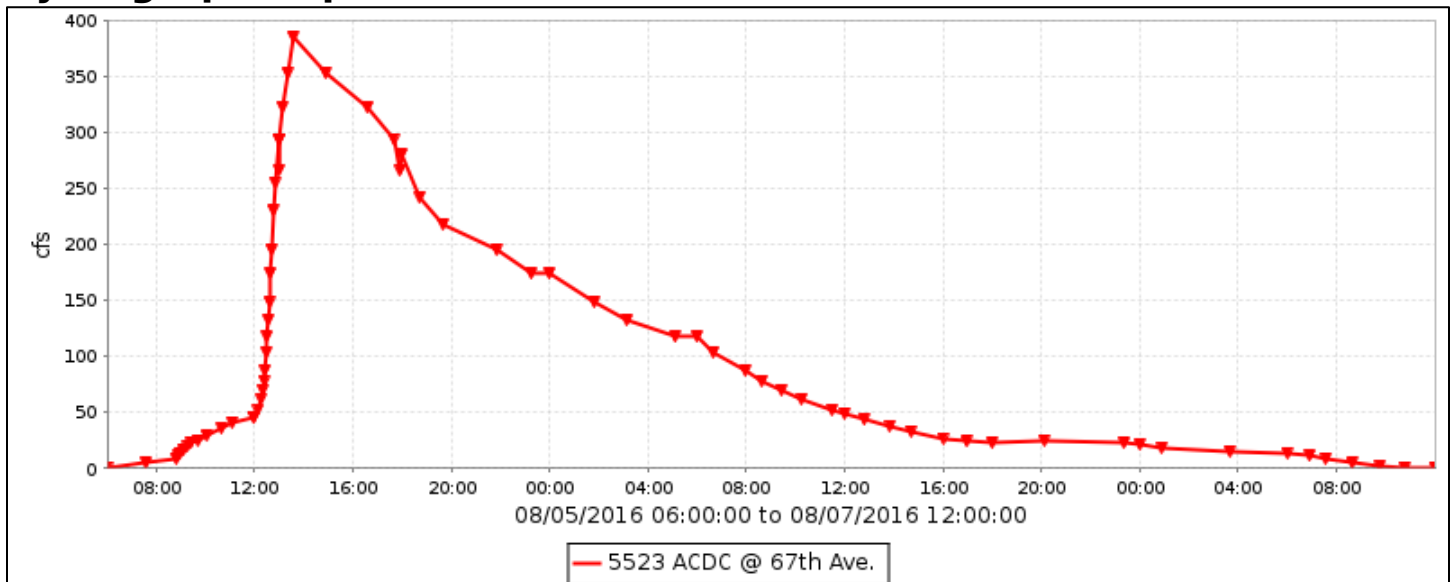
ACDC at 67th Avenue - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	2.70	208
10/18/2015	2.60	186
10/20/2015	2.50	165
11/16/2015	1.95	85
01/05/2016	2.25	124
01/06/2016	2.95	271
02/01/2016	2.05	96
04/08/2016	1.11	30
04/10/2016	2.52	169
08/03/2016	1.61	58
08/05/2016	3.33	384
08/23/2016	1.91	82
08/25/2016	2.01	91

Hydrograph of peak WY 2016 flow event. 08/05/2016



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
862	1,870	2,730	3,700	5,150	6,370

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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					39							
2											1	
3											27	
4				5							1	---
5				60							136	---
6	62			168							71	
7	38			111							6	2
8				58			11					
9												
10							44					
11							40				2	
12												
13												
14												
15		9										
16		34										
17												
18	24											
19	64											
20	56										1	
21	23										6	
22											2	3
23											53	16
24											6	5
25											29	
26											7	
27												
28												
29												
30												
31		---		1	---		---		---			---
TOTAL	267	43	0	402	39	0	94	0	0	0	347	27
MEAN	9	1	0	13	1	0	3	0	0	0	11	1
MAX	208	85	0	271	96	0	169	0	0	0	384	38
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	530	85	0	797	78	0	187	0	0	0	688	53
WTR YR 2016	TOTAL	1219	MEAN	3	MAX	384	MIN	0	AC_FT	2418		

Adobe Dam Outlet, ID #5538



Site Data

LOCATION	Near 43rd Avenue and Deer Valley Drive
DRAINAGE AREA	89.6 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S21 T4N R2E
LATITUDE	N 33° 40' 38.0" +33.67670
LONGITUDE	W 112° 09' 14.3" -112.15397
STREAMGAGE INSTALLATION DATE	10/28/1982 - WY 1983
AVAILABLE PERIOD OF RECORD	08/03/1990 - Current
LENGTH OF AVAILABLE POR DATA	26.16 Years 9,556 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,328.52 feet M.S.L.
POINT OF ZERO FLOW	-0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,193 cfs 11.39 feet 08/16/1990

2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
No runoff		0

Hydrograph of peak WY 2016 flow event

There were no runoff events recorded in Water Year 2016.

Flood Flow Frequency

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

Adobe Dam Outlet, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

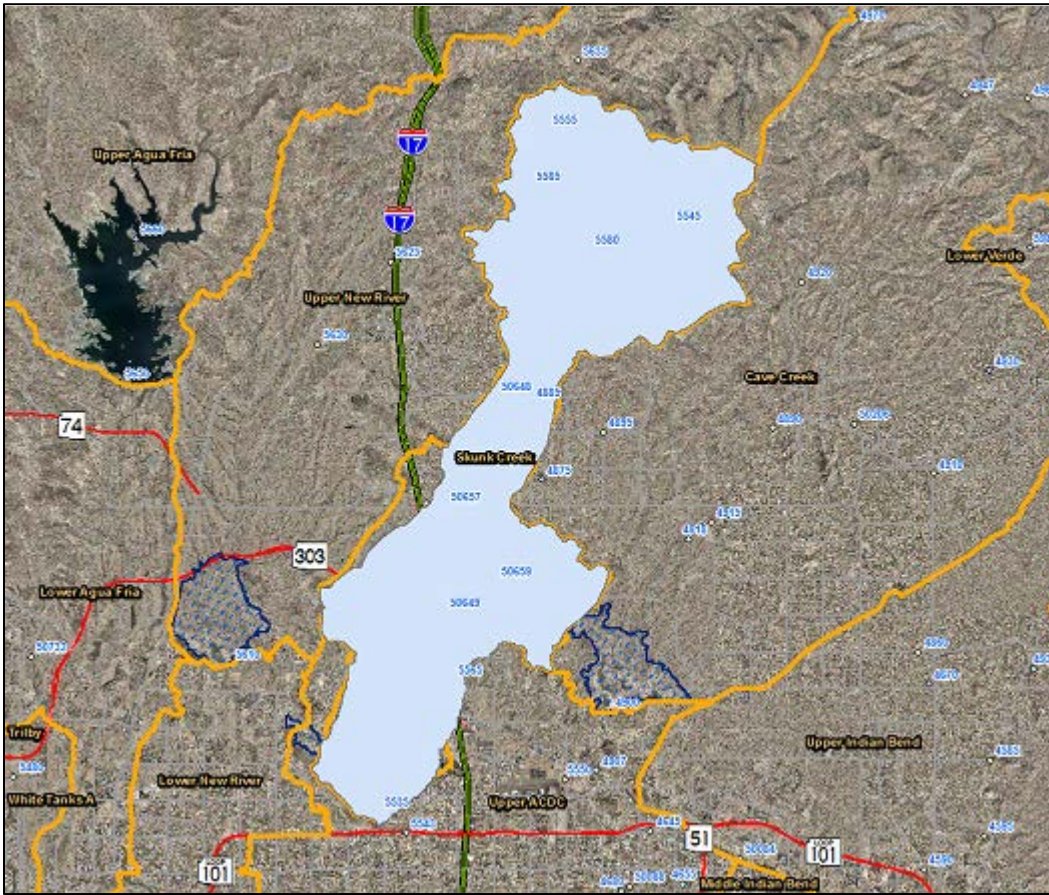
Adobe Dam Pool, ID #5539



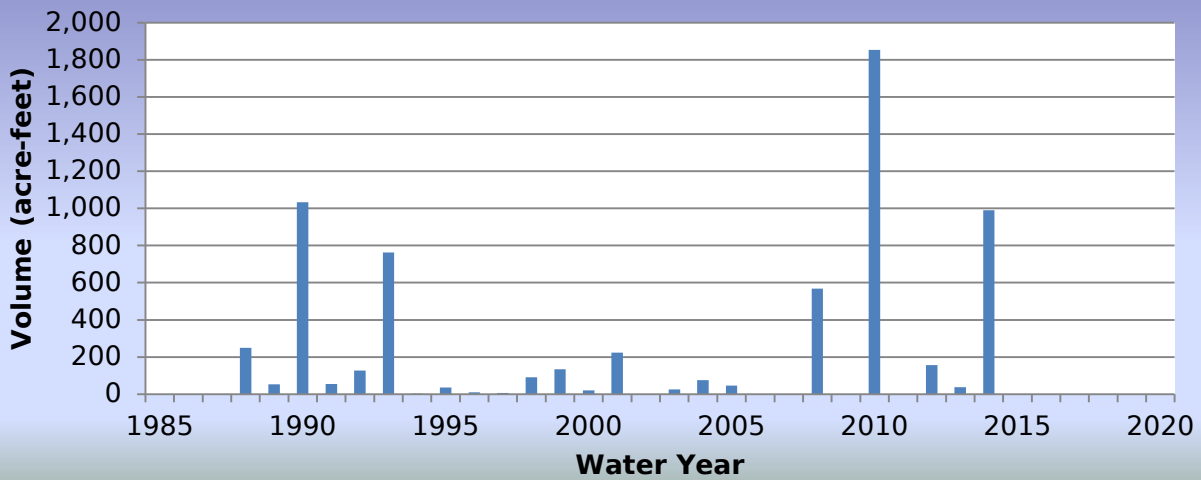
Site Data

LOCATION	Near 43rd Avenue and Deer Valley Drive
DRAINAGE AREA	89.6 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S21 T4N R2E
LATITUDE	N 33° 40' 38.0" +33.67670
LONGITUDE	W 112° 09' 14.3" -112.15397
STREAMGAGE INSTALLATION DATE	10/28/1982 - WY 1983
AVAILABLE PERIOD OF RECORD	08/30/1988 - Current
LENGTH OF AVAILABLE POR DATA	28.09 Years 10,259 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.85 Feet Gage Height
STAFF GAGES	14
ZERO GAGE HEIGHT ELEVATION	1,339.81 feet NAVD 1988
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



Adobe Dam Pool - water year peaks



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

No impoundments recorded during Water Year 2016.

Adobe Dam Pool, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	52											
21	19											
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	2	0	0	0	0	0	0	0	0	0	0	0
MAX	178	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 2016	MEAN	0	MAX	178	MIN	0						

Adobe Dam Pool, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
12	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
13	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
14	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
15	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
16	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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
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	4.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
21	3.5	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	2.9	2.9	2.9
24	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
25	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
26	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
27	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
28	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
29	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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	2.8	2.8	2.8	2.9	2.8	2.9	2.8	2.9	2.9	2.9	2.9
MAX	7.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
MIN	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
WTR YR 2016	MEAN	2.86	MAX	7.45	MIN	2.85						

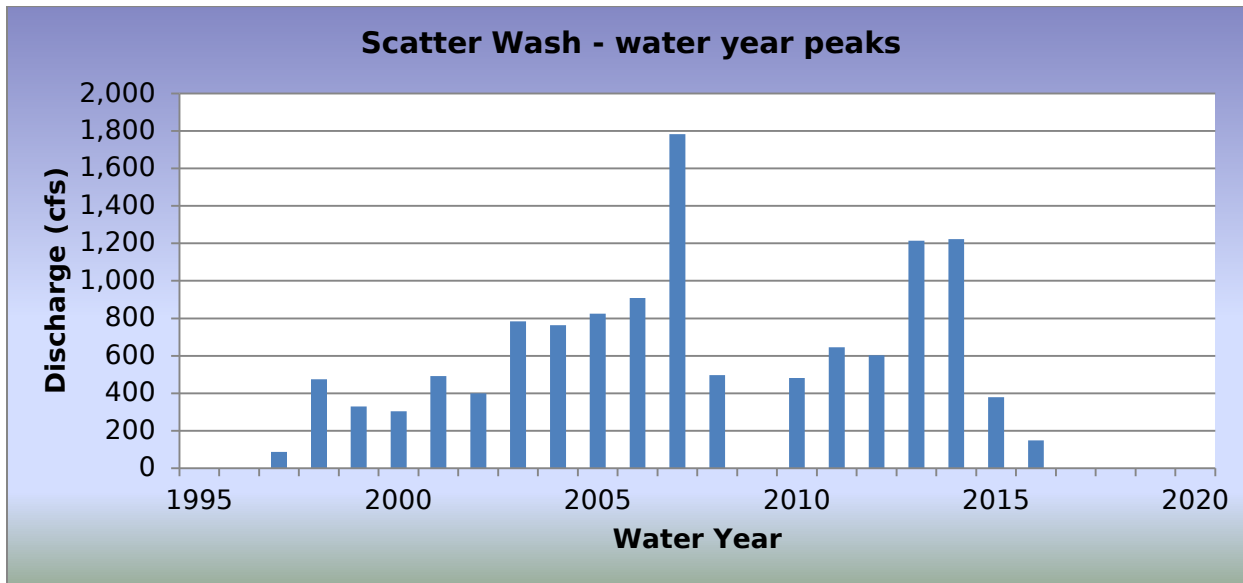
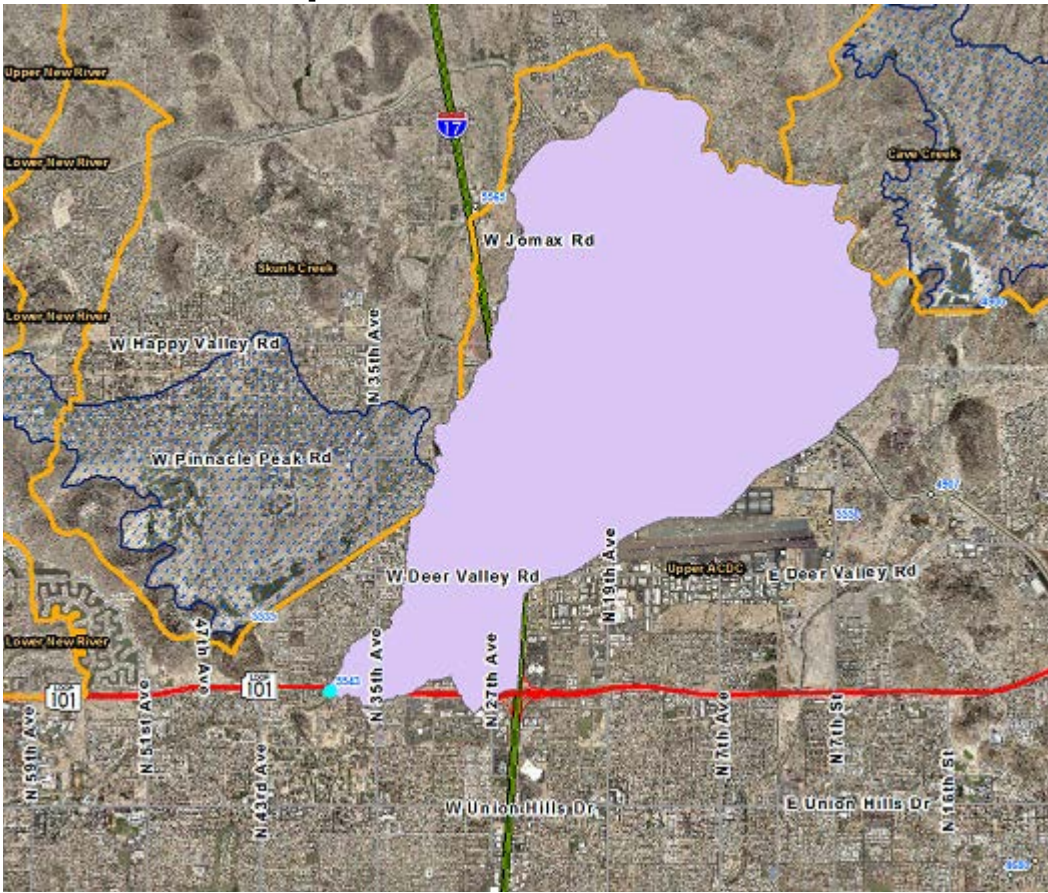
Scatter Wash, ID #5543



Site Data

LOCATION	Located west of 35th Avenue on eastbound Beardsley Road
DRAINAGE AREA	12.4 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Upper ACDC
SECTION/TOWNSHIP/RANGE	S27 T4N R2E
LATITUDE	N 33° 40' 08.2" +33.66893
LONGITUDE	W 112° 08' 29.8" -112.14160
STREAMGAGE INSTALLATION DATE	09/18/1996 - WY 1996
AVAILABLE PERIOD OF RECORD	09/18/1996 - Current
LENGTH OF AVAILABLE POR DATA	20.04 Years 7,318 Days
GAPS (> 2 DAYS) IN RECORD	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	1,329.78 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,784 cfs 3.42 feet 07/25/2007

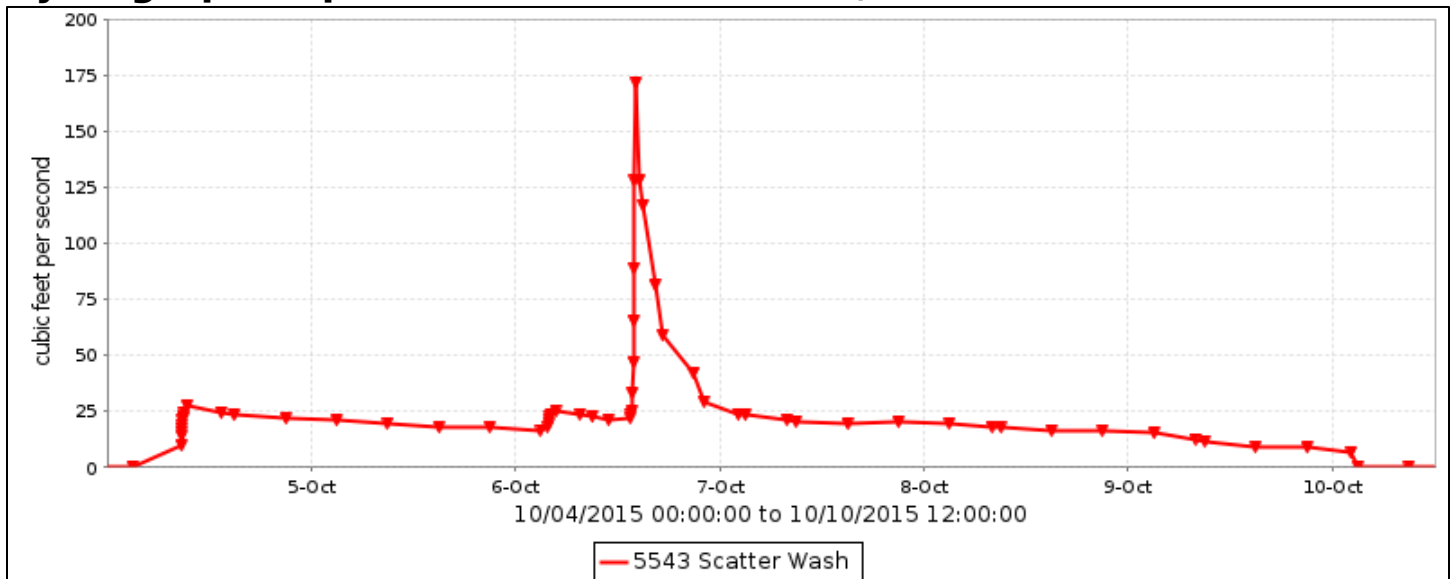
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	1.99	171
10/18/2015	1.59	50
11/15/2015	1.54	42
01/06/2016	1.89	128
01/07/2016	1.94	148
02/01/2016	1.52	39
04/08/2016	1.74	81
04/10/2016	1.64	59
08/02/2016	1.14	21
08/05/2016	1.82	103
08/10/2016	1.69	69
08/20/2016	1.89	128
08/26/2016	1.74	81
08/26/2016	1.34	24

Hydrograph of peak WY 2016 flow event, 10/06/2015



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
528	951	1,260	1,550	1,940	2,230

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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					25							
2					18						2	
3				2	5						18	
4	15			10							6	
5	19			26							24	
6	42			59							19	
7	21			60							14	7
8	18			24			26				4	12
9	12			20			19					7
10	1			11			25				17	
11				7			21				17	
12				8			19				7	
13				8			13					
14				8			7					
15		6		8			6					
16		25		8			4					
17	11	18		7								
18	24	9		7								
19	21	3		7								
20	21			7							12	
21	20			7							20	
22	17			7							13	7
23	6			7							27	10
24				7							19	9
25				7							13	6
26				7							18	
27				7							17	
28				7							11	
29				7							7	
30				1	---						6	
31		---			---		---		---		3	---
TOTAL	248	62	0	354	48	0	140	0	0	0	295	58
MEAN	8	2	0	11	2	0	5	0	0	0	10	2
MAX	171	42	0	148	39	0	81	0	0	0	128	18
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	492	122	0	701	96	0	277	0	0	0	586	115
WTR YR 2016	TOTAL	1204	MEAN	3	MAX	171	MIN	0	AC_FT	2389		

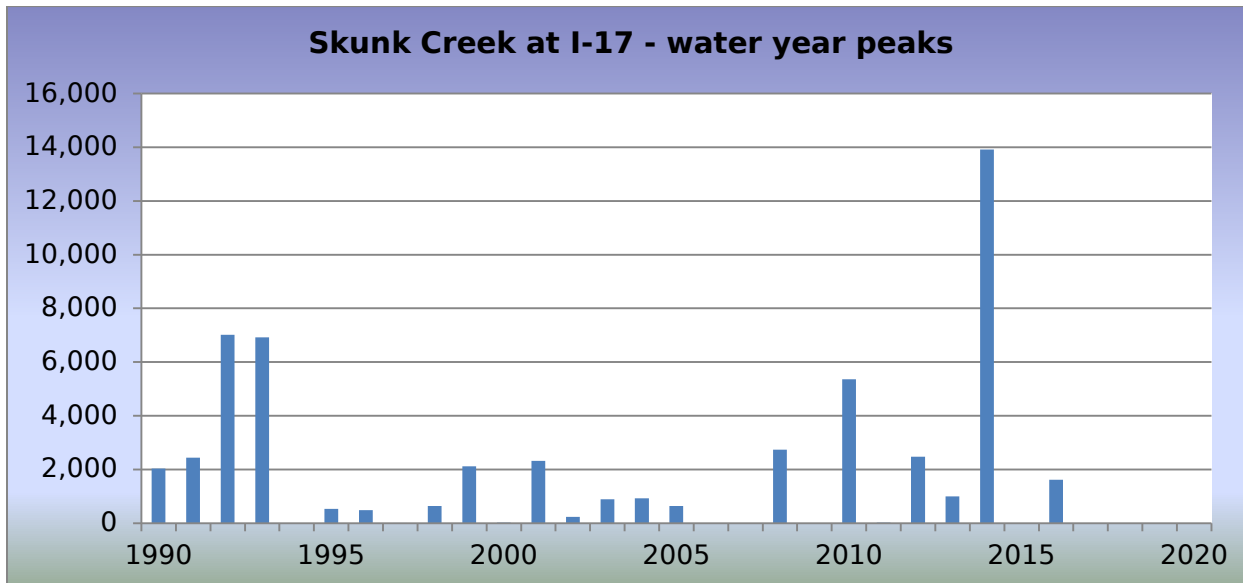
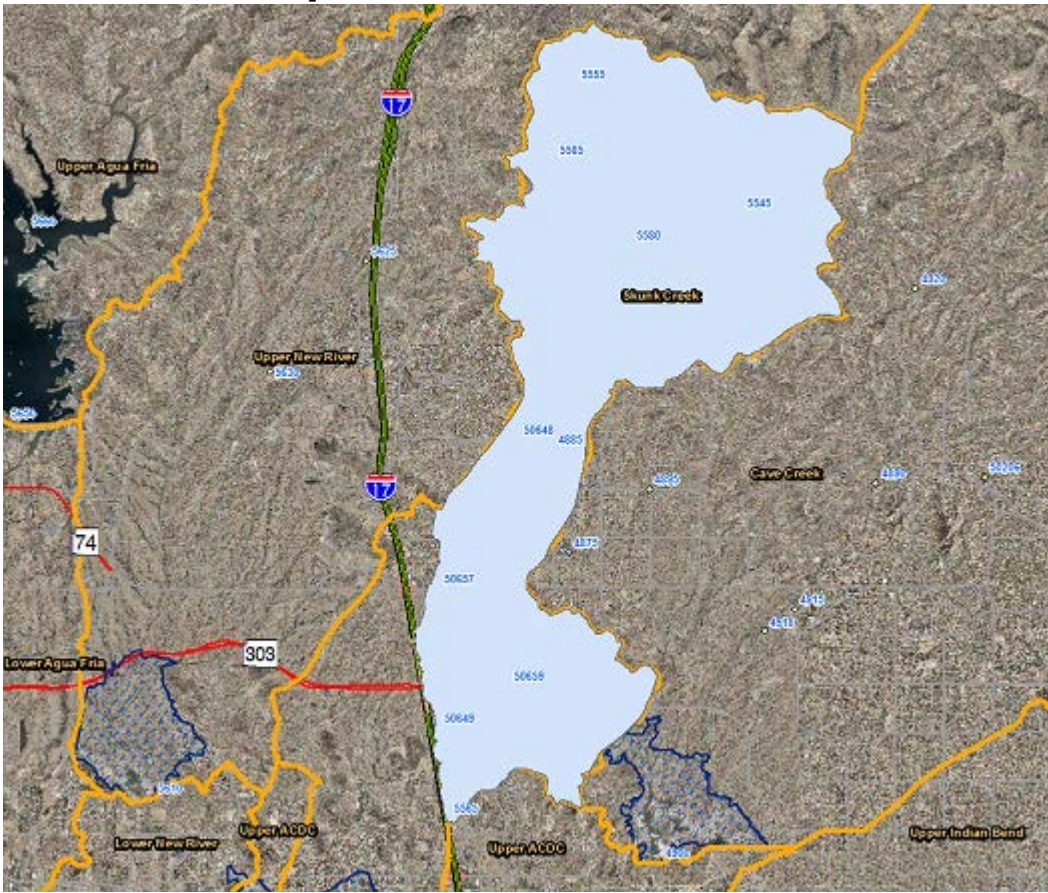
Skunk Creek at I-17, ID #5568



Site Data

LOCATION	Located south of Jomax Road on I-17
DRAINAGE AREA	64.7 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Phoenix, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S35 T5N R2E
LATITUDE	N 33° 43' 48.3" +33.73007
LONGITUDE	W 112° 07' 11.1" -112.11976
STREAMGAGE INSTALLATION DATE	10/26/1989 - WY 1990
AVAILABLE PERIOD OF RECORD	08/11/1990 - Current
LENGTH OF AVAILABLE POR DATA	26.14 Years 9,548 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.23 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	4
ZERO GAGE HEIGHT ELEVATION	1,471.50 feet M.S.L.
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

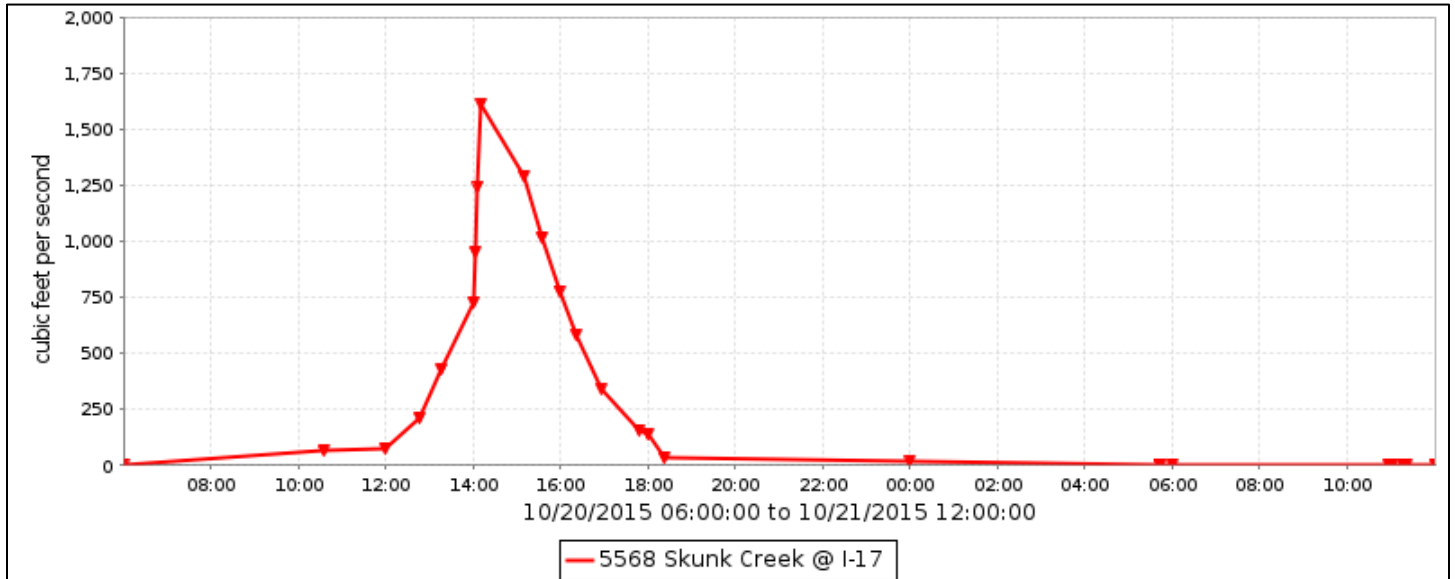
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	2.81	1,613

Hydrograph of peak WY 2016 flow event, 10/20/2015



Flood Flow Frequency

Flood Flow Frequency N=57, HEC-WRC computation (based on 57 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
867	3,690	7,150	11,800	19,700	27,000

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

Skunk Creek at I-17, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	184											
21	4											
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	188	0	0	0	0	0	0	0	0	0	0	0
MEAN	6	0	0	0	0	0	0	0	0	0	0	0
MAX	1613	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	373	1	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL	188	MEAN	1	MAX	1613	MIN	0	AC_FT	373		

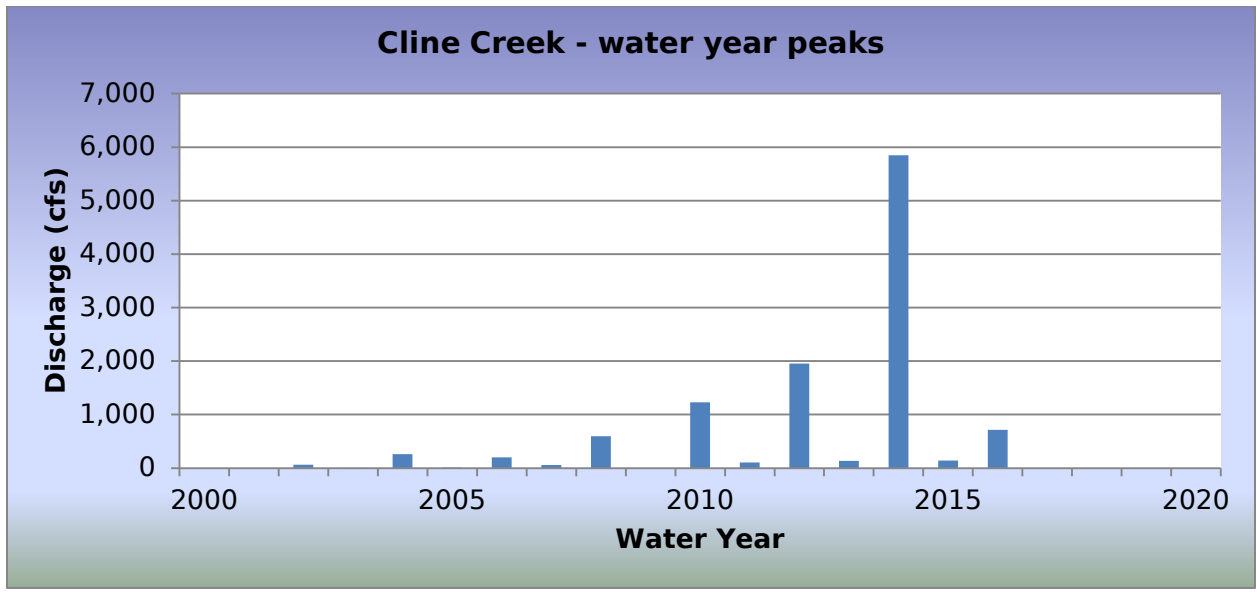
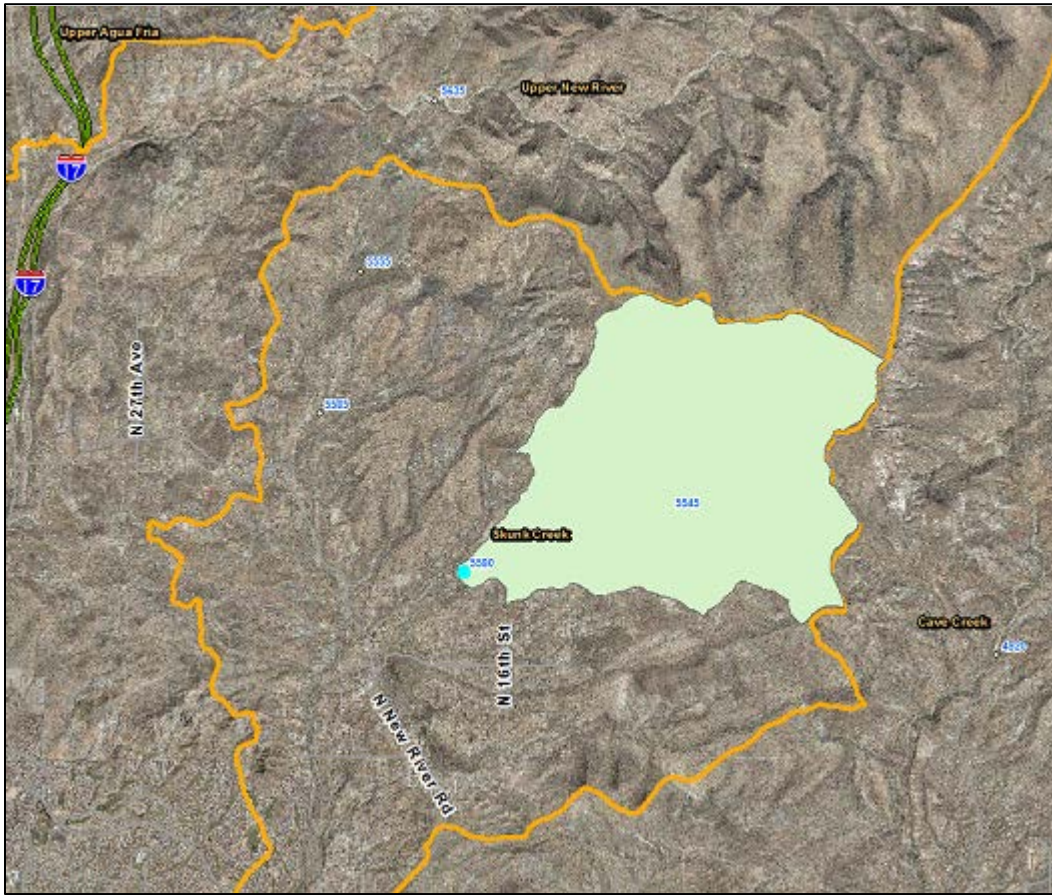
Cline Creek, ID #5583



Site Data

LOCATION	Located about 1 mile north of Circle Mountain Road just off 12th Street
DRAINAGE AREA	10.8 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Skunk Creek
SECTION/TOWNSHIP/RANGE	S33 T7N R3E
LATITUDE	N 33° 54' 03.5" +33.90097
LONGITUDE	W 112° 03' 17.9" -112.05497
STREAMGAGE INSTALLATION DATE	11/20/2001 - WY 2002
AVAILABLE PERIOD OF RECORD	11/20/2001 - Current
LENGTH OF AVAILABLE POR DATA	14.86 Years 5,429 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.95 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,171.07 feet NAVD 1988
POINT OF ZERO FLOW	-0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,850 cfs 8.15 feet 08/19/2014

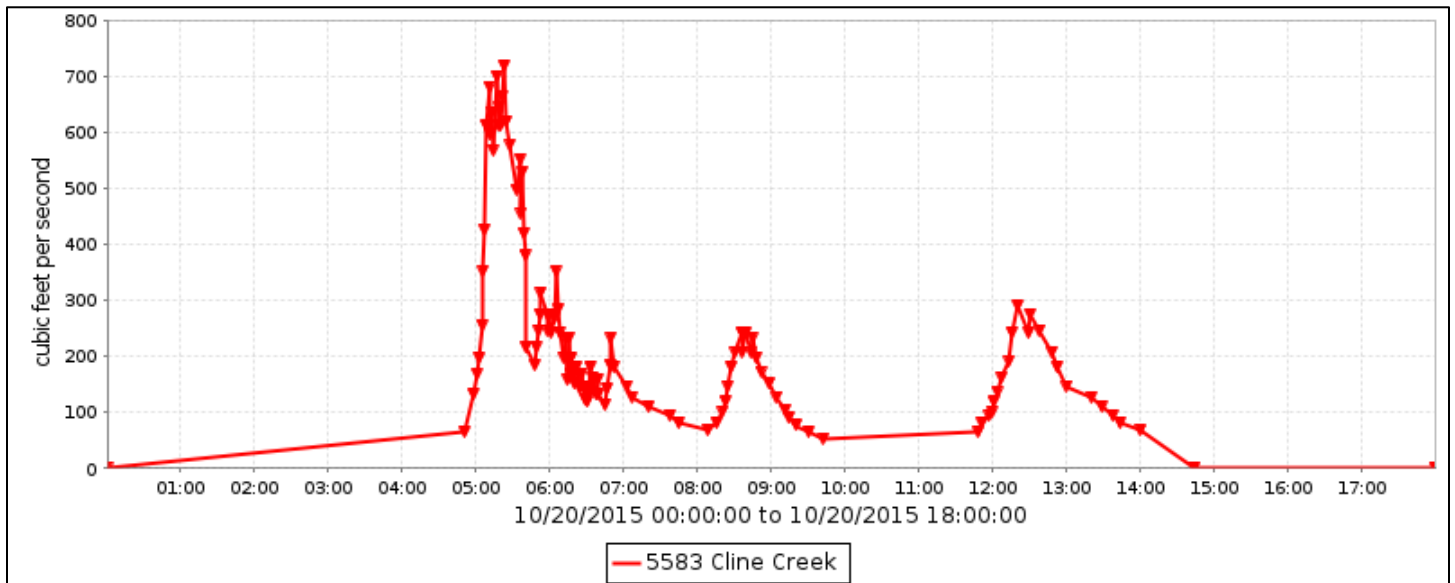
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	3.56	717
10/21/2015	2.98	519
08/27/2016	1.14	61

Hydrograph of peak WY 2016 flow event, 10/20/2015



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
156	963	2,350	4,790	10,300	16,900

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

Cline Creek, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	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	61												
21	32												
22	21												
23													
24													
25													
26													
27											4		
28													
29													
30					---								
31		---			---		---		---			---	
TOTAL	114	0	0	0	0	0	0	0	0	0	4	0	
MEAN	4	0	0	0	0	0	0	0	0	0	0	0	
MAX	717	0	0	0	0	0	0	0	0	0	61	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	225	0	0	0	0	0	0	0	0	0	7	0	
WTR YR 2016	TOTAL		117	MEAN		0	MAX	717	MIN		0	AC_FT	233

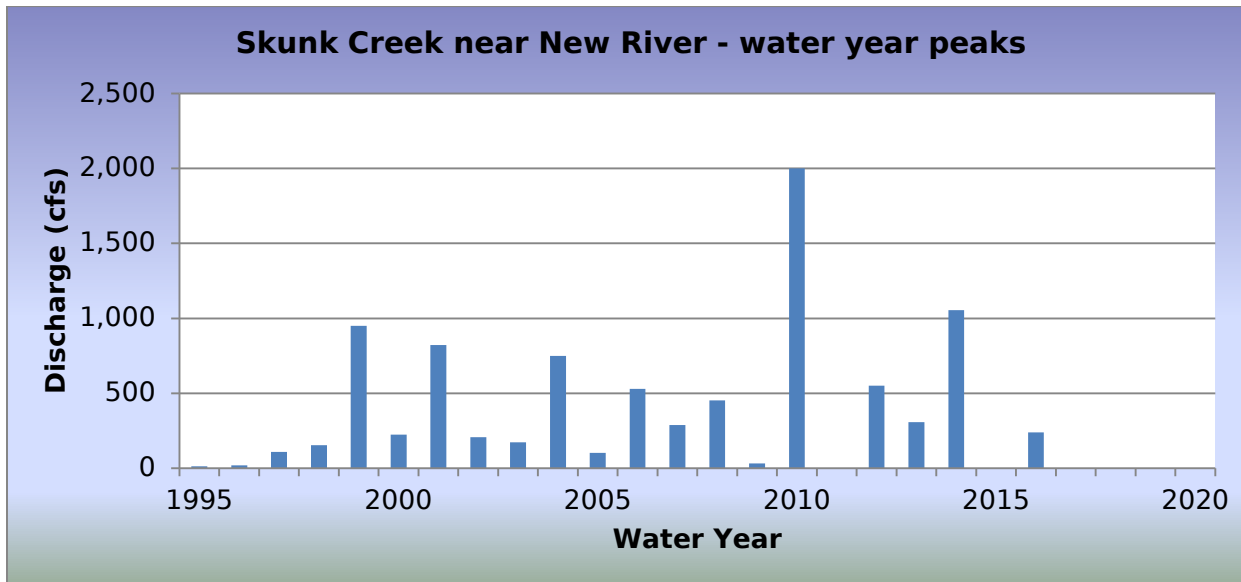
Skunk Creek near New River, ID #5588



Site Data

LOCATION	Located south of the Fig Spring Road crossing of Skunk Creek
DRAINAGE AREA	4 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	06/21/1995 - Current
LENGTH OF AVAILABLE POR DATA	21.28 Years 7,773 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.14 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,188.04 feet NAVD 1988
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,000 cfs 4.29 feet 01/21/2010

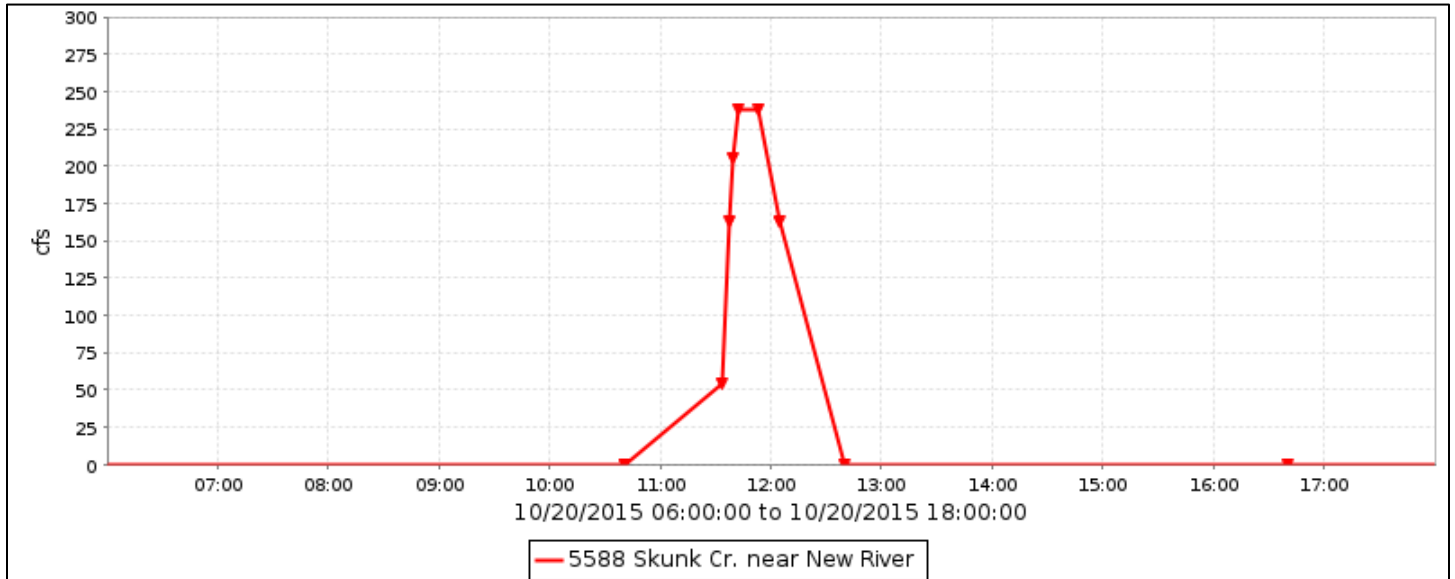
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	1.92	238
08/02/2016	1.50	100

Hydrograph of peak WY 2016 flow event, 10/20/2015



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
202	722	1,310	2,050	3,290	4,400

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 2015 to September 2016

DAY	Daily Mean Values											
	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	8											
21												
22												
23									---			
24					---				---			
25					---				---			
26					---				---			
27					---				---			
28					---				---			
29					---				---			
30					---				---			
31		---			---		---		---			---
TOTAL	8	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	238	0	0	0	0	0	0	0	0	0	100	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	17	0	0	0	0	0	0	0	0	0	3	0
WTR YR 2016	TOTAL	10	MEAN	0	MAX	238	MIN	0	AC_FT	20		

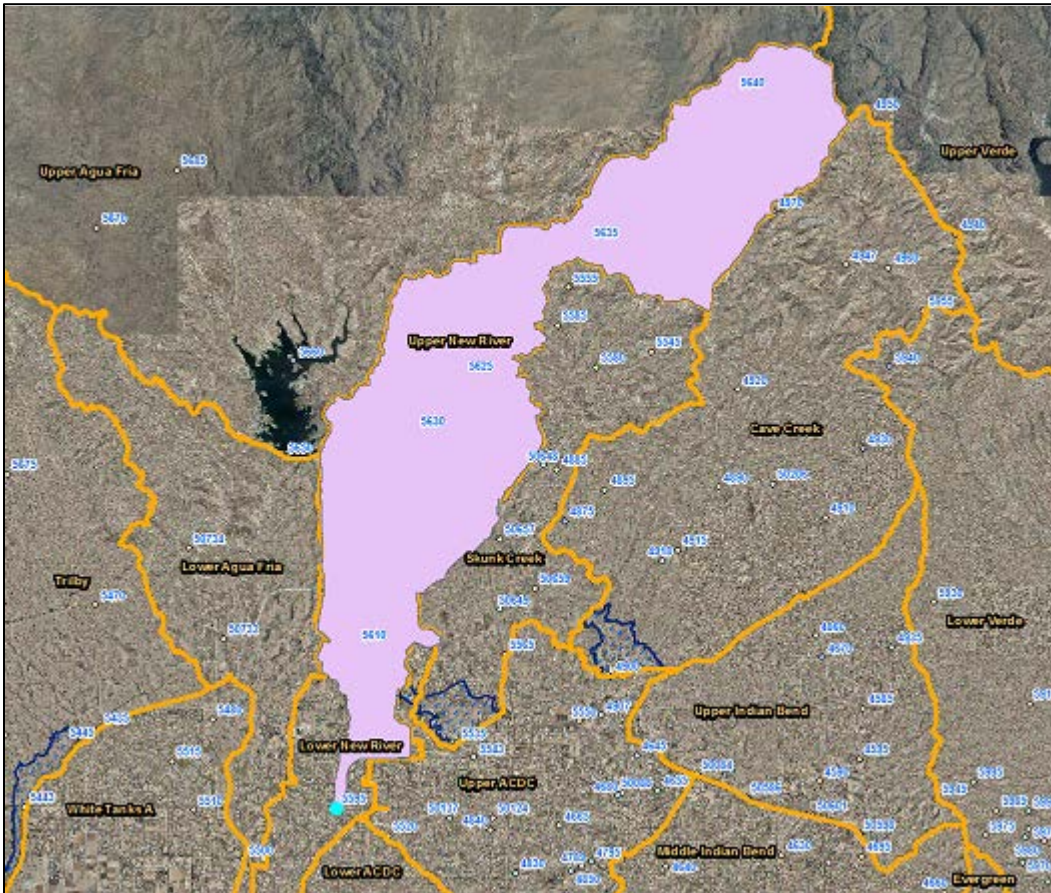
New River at Bell Road, ID #5598



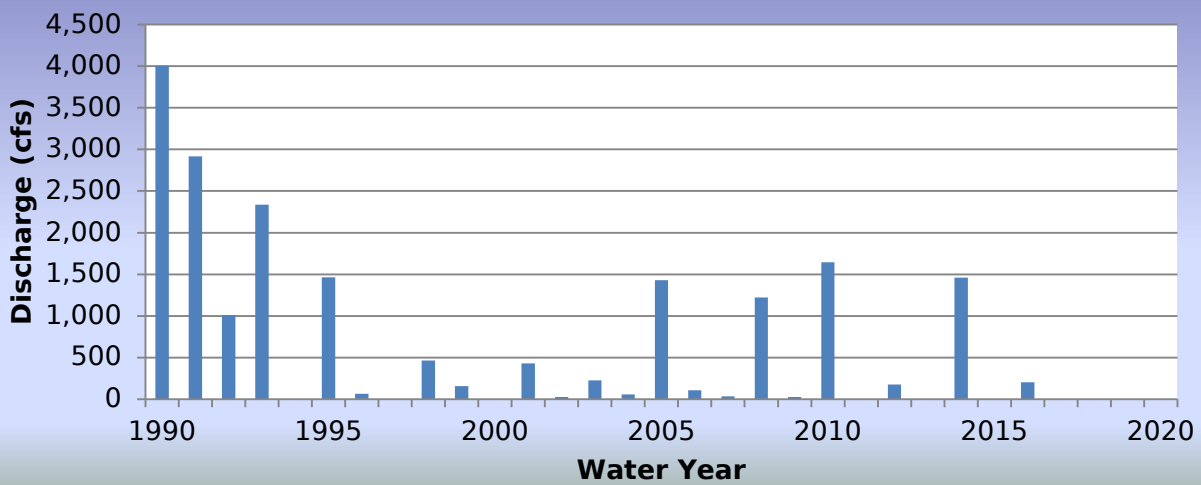
Site Data

LOCATION	On Bell Road west of Loop 101
DRAINAGE AREA	185 mi ²
STREAM TYPE	Channelized Natural Stream
JURISDICTION	Peoria, Arizona
WATERSHED	Lower New River
SECTION/TOWNSHIP/RANGE	S03 T3N R1E
LATITUDE	N 33° 38' 16.6" +33.63795
LONGITUDE	W 112° 14' 22.5" -112.23959
STREAMGAGE INSTALLATION DATE	04/04/1990 - WY 1990
AVAILABLE PERIOD OF RECORD	04/04/1990 - Current
LENGTH OF AVAILABLE POR DATA	26.49 Years 9,677 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	1,192.02 feet NAVD 1988
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



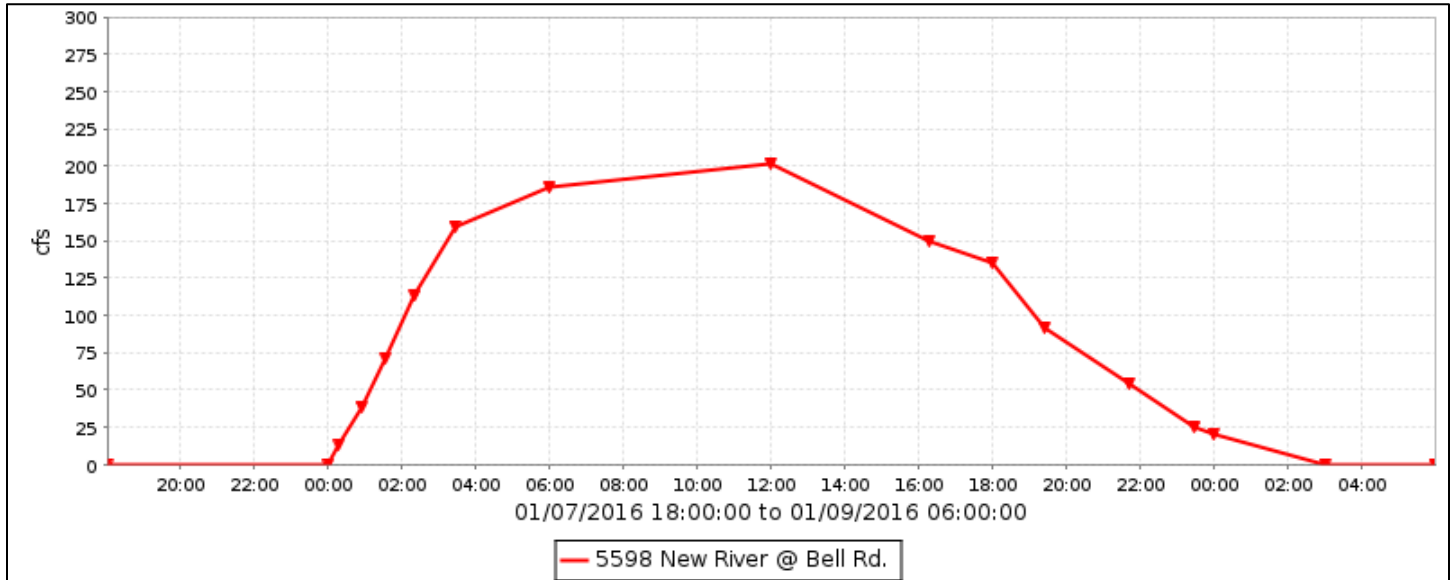
New River at Bell Road - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/08/2016	0.70	201

Hydrograph of peak WY 2016 flow event, 01/08/2016



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
236	1,470	3,720	7,940	18,400	31,900

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 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4													
5													
6													
7													
8				140									
9				3									
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	143	0	0	0	0	0	0	0	0	
MEAN	0	0	0	5	0	0	0	0	0	0	0	0	
MAX	0	0	0	201	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	283	0	0	0	0	0	0	0	0	
WTR YR 2016	TOTAL		143	MEAN		0	MAX	201	MIN		0	AC_FT	283

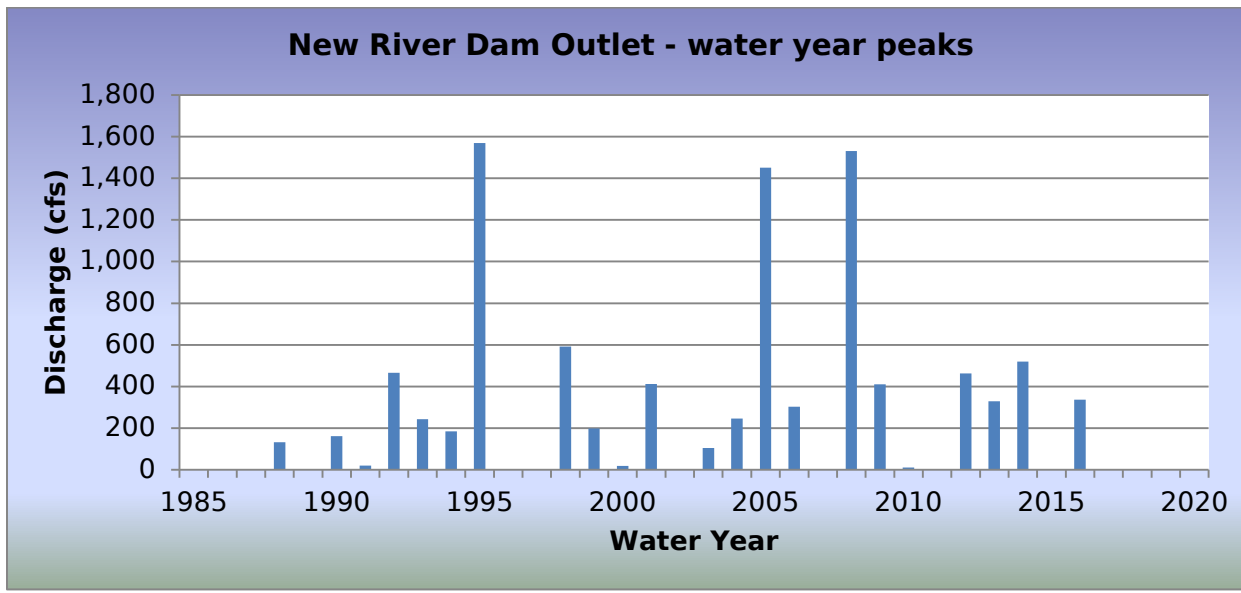
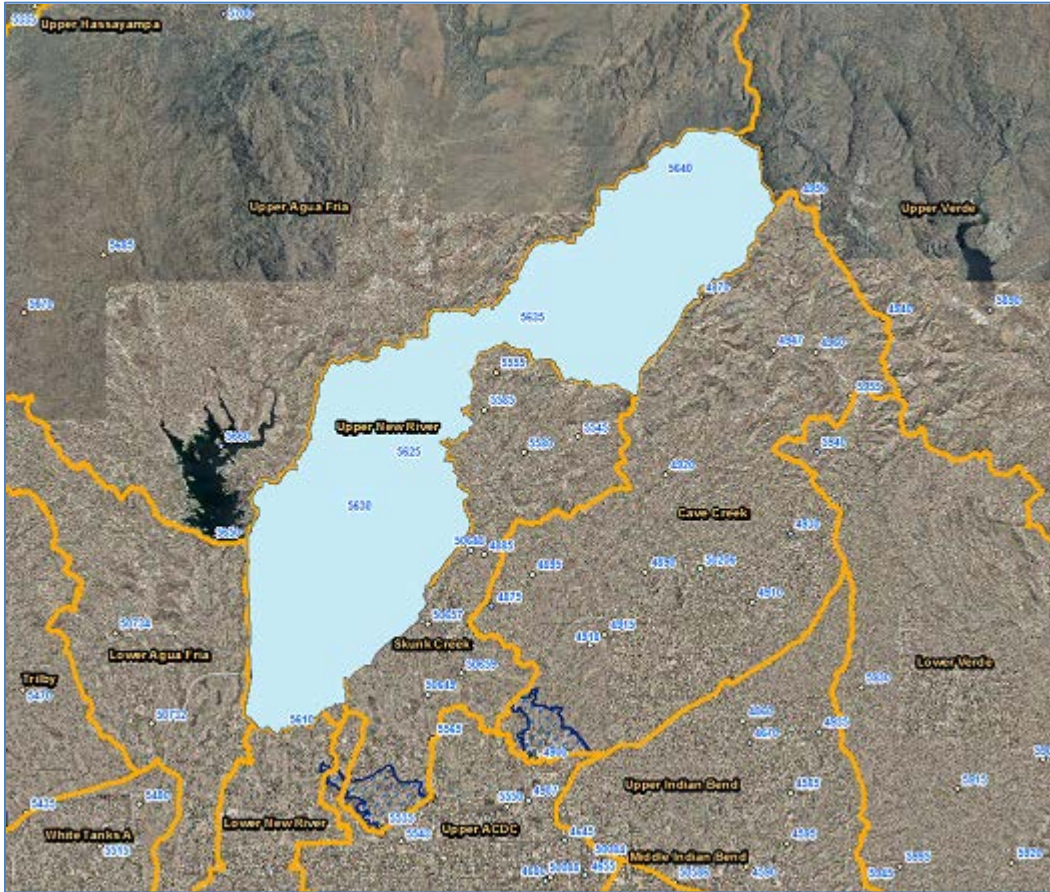
New River Dam Outlet, ID #5613



Site Data

LOCATION	Near 75th Avenue north of Jomax Road
DRAINAGE AREA	164 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	08/30/1988 - Current
LENGTH OF AVAILABLE POR DATA	28.09 Years 10,259 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.48 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,376.07 feet M.S.L.
POINT OF ZERO FLOW	1.6 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,570 cfs 9.36 feet 02/15/1995

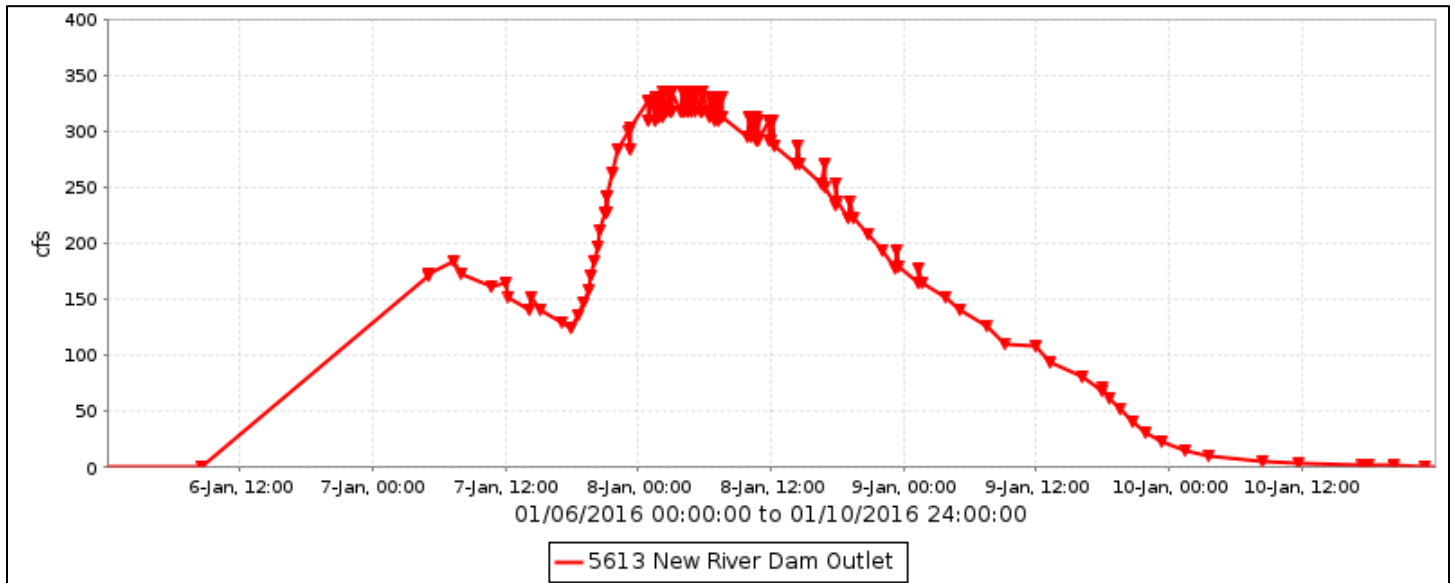
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/20/2015	3.18	26
10/21/2015	4.38	169
01/08/2016	5.44	336

Hydrograph of peak WY 2016 flow event, 01/08/2016



Flood Flow Frequency

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

New River Dam Outlet, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												---
5												---
6												
7				140								
8				280								
9				105								
10				6								
11												
12												
13												
14					---							
15					---							
16					---							
17					---							
18												
19												
20	5											
21	21											
22	76											
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	103	0	0	531	0	0	0	0	0	0	0	0
MEAN	3	0	0	17	0	0	0	0	0	0	0	0
MAX	169	0	0	336	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	204	0	0	1053	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL		634	MEAN	2	MAX	336	MIN	0	AC_FT	1257	

New River Dam Pool, ID #5614



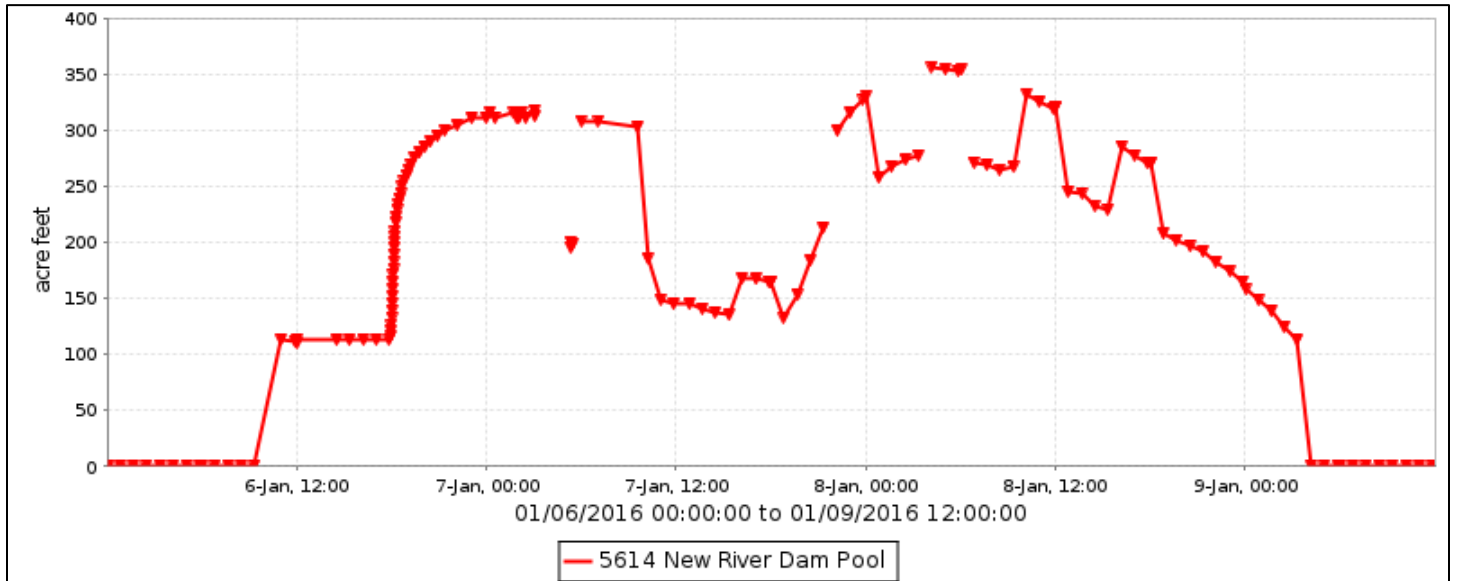
Site Data

LOCATION	Near 75th Avenue north of Jomax Road
DRAINAGE AREA	164 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	08/30/1988 - Current
LENGTH OF AVAILABLE POR DATA	28.09 Years 10,259 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.85 feet Gage Height
STAFF GAGES	21
ZERO GAGE HEIGHT ELEVATION	1,391.50 feet NAVD 1988
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

2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	7.09	317	0.7

Hydrograph of peak WY 2016 impoundment event



New River Dam Pool, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												---
5												---
6				103								
7				231								
8				266								
9				24								
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	20	0	0	0	0	0	0	0	0
MAX	0	0	0	356	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	2	MAX	356	MIN	0						

New River Dam Pool, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	---
5	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	3.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
7	2.9	2.9	2.9	5.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
8	2.9	2.9	2.9	6.1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
9	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
10	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
11	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
12	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
13	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
14	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
15	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
16	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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	2.9	2.9	2.9
24	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
25	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
26	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
27	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
28	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
29	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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	3.1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
MAX	2.9	2.9	2.9	7.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
MIN	2.9	2.9	2.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
WTR YR 2016	MEAN	2.90	MAX	7.87	MIN	1.95						

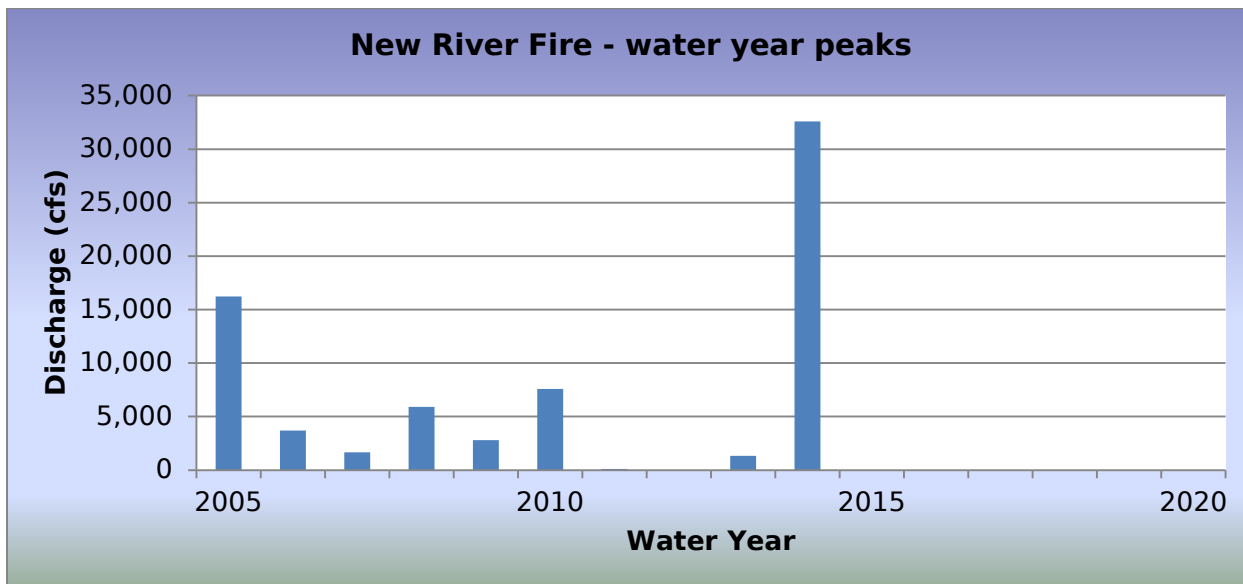
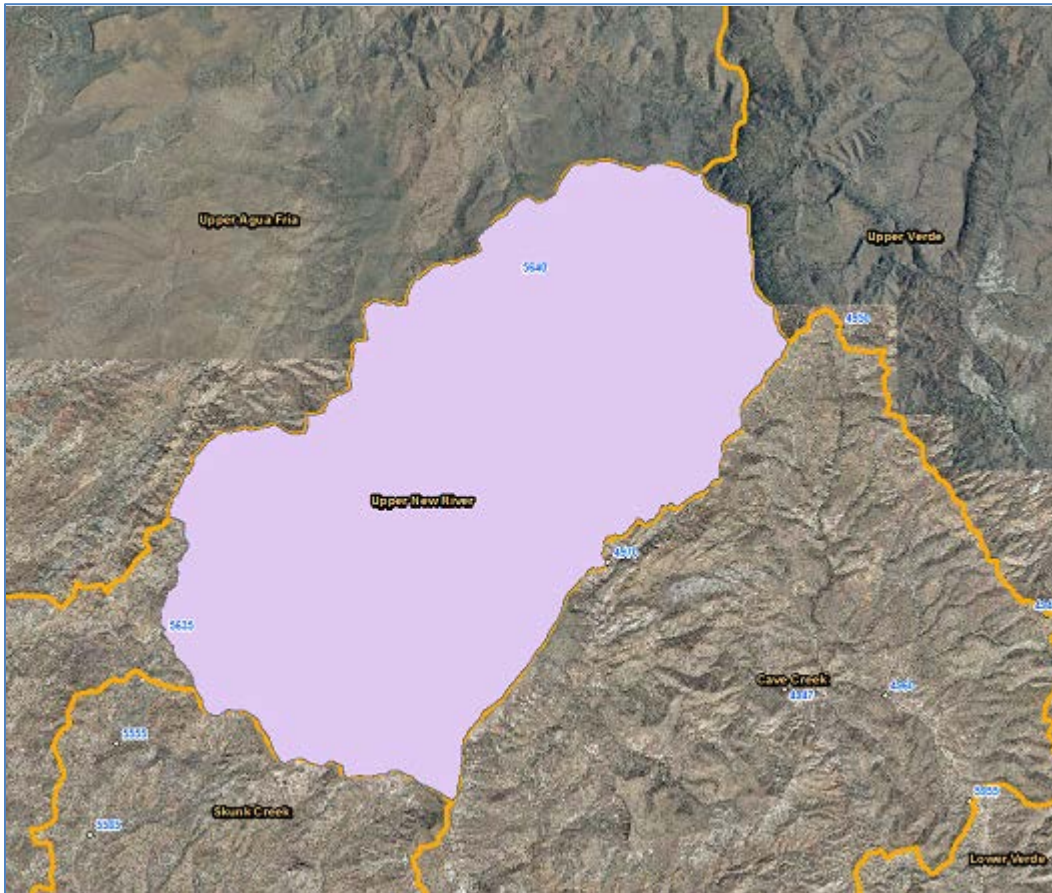
New River Fire, ID #5638



Site Data

LOCATION	North of Table Mesa Road about 4 miles east of I-17
DRAINAGE AREA	62 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Upper New River
SECTION/TOWNSHIP/RANGE	S04 T7N R3E
LATITUDE	N 33° 58' 33.1" +33.97585
LONGITUDE	W 112° 03' 38.3" -112.06063
STREAMGAGE INSTALLATION DATE	07/18/2005 - WY 2005
AVAILABLE PERIOD OF RECORD	07/20/2005 - Current
LENGTH OF AVAILABLE POR DATA	11.21 Years 4,093 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,468.93 feet NAVD 1988
POINT OF ZERO FLOW	-2.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	32,584 cfs 11.0 feet 08/19/2014

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded in Water Year 2016.

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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
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30					---										
31		---			---		---		---			---			
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	0	0	0	0	0	0	0	0	0	0	0	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0			
WTR YR 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

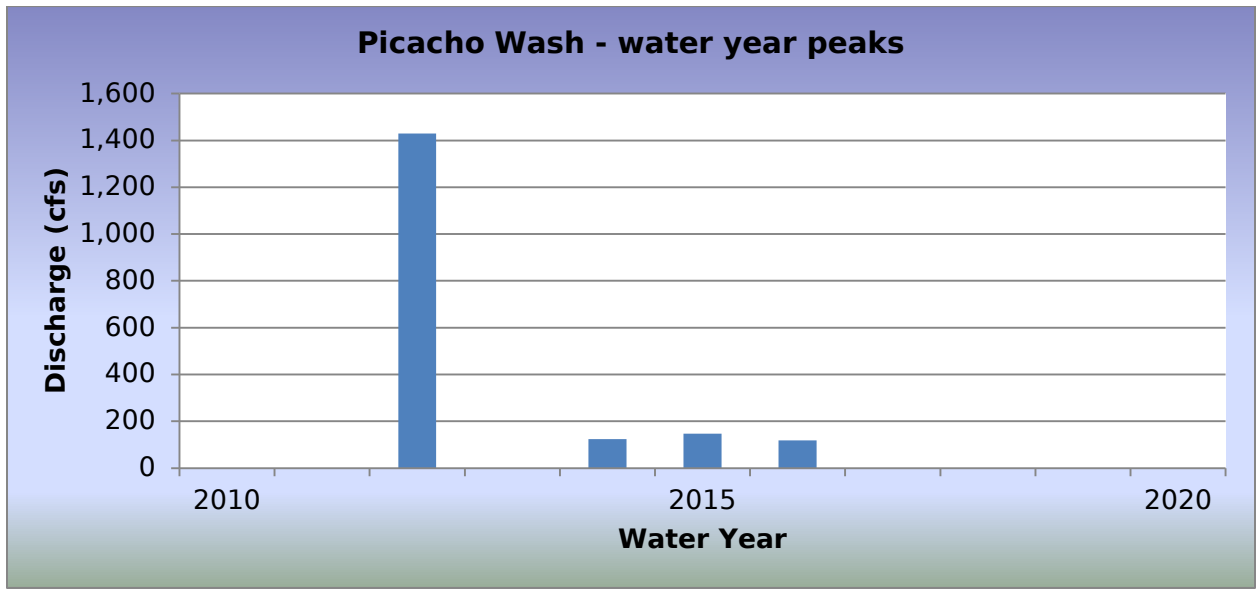
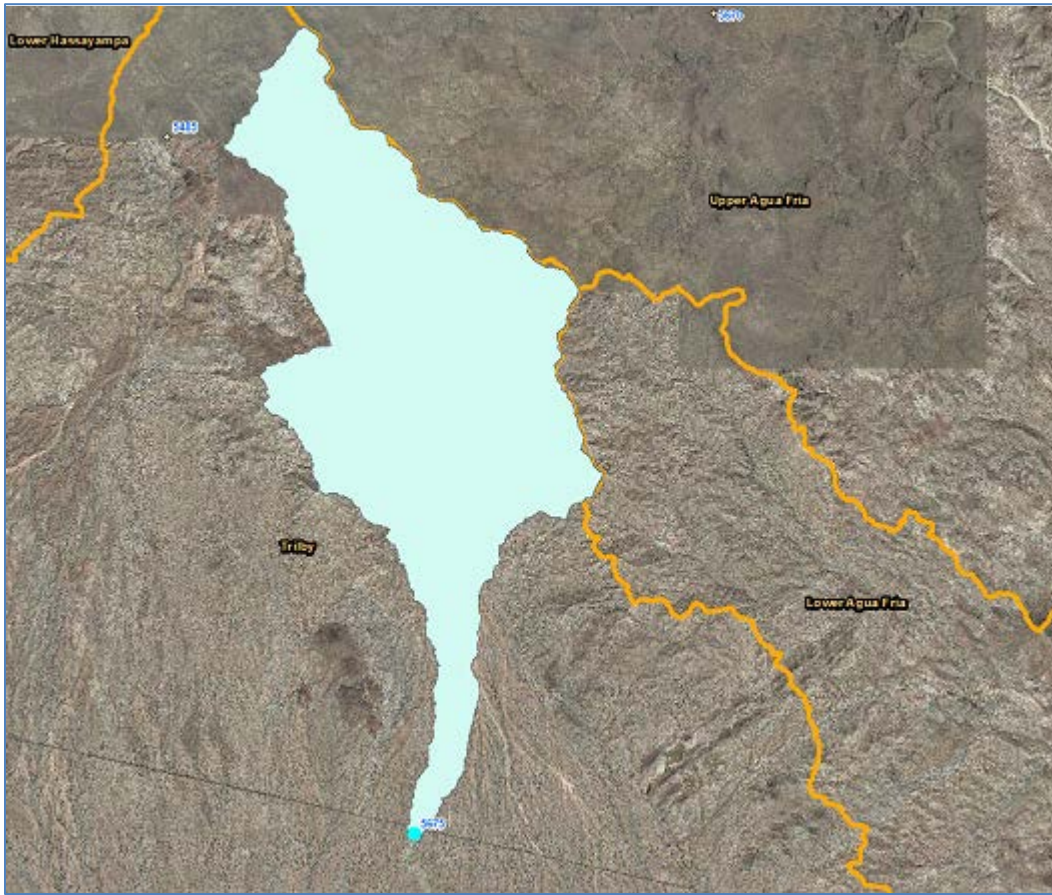
Picacho Wash, ID #5678



Site Data

LOCATION	Located near milepost 10 on SR74
DRAINAGE AREA	17.8 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Trilby
SECTION/TOWNSHIP/RANGE	S28 T6N R2W
LATITUDE	N 33° 50' 08.3" +33.83563
LONGITUDE	W 112° 28' 32.1" -112.47557
ARIZONA STATE PLANE	E 530364 N 1032224
USGS QUAD SHEET	Hieroglyphic Mountains SW 7.5-Minute
STREAMGAGE INSTALLATION DATE	04/11/2012 - WY 2012
AVAILABLE PERIOD OF RECORD	04/11/2012 - Current
LENGTH OF AVAILABLE POR DATA	4.47 Years 1,634 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.98 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,962.000 feet NAVD 1988
POINT OF ZERO FLOW	0.1 feet
EXTREME FOR PERIOD OF RECORD	1,429 cfs 3.53 feet 08/16/2012

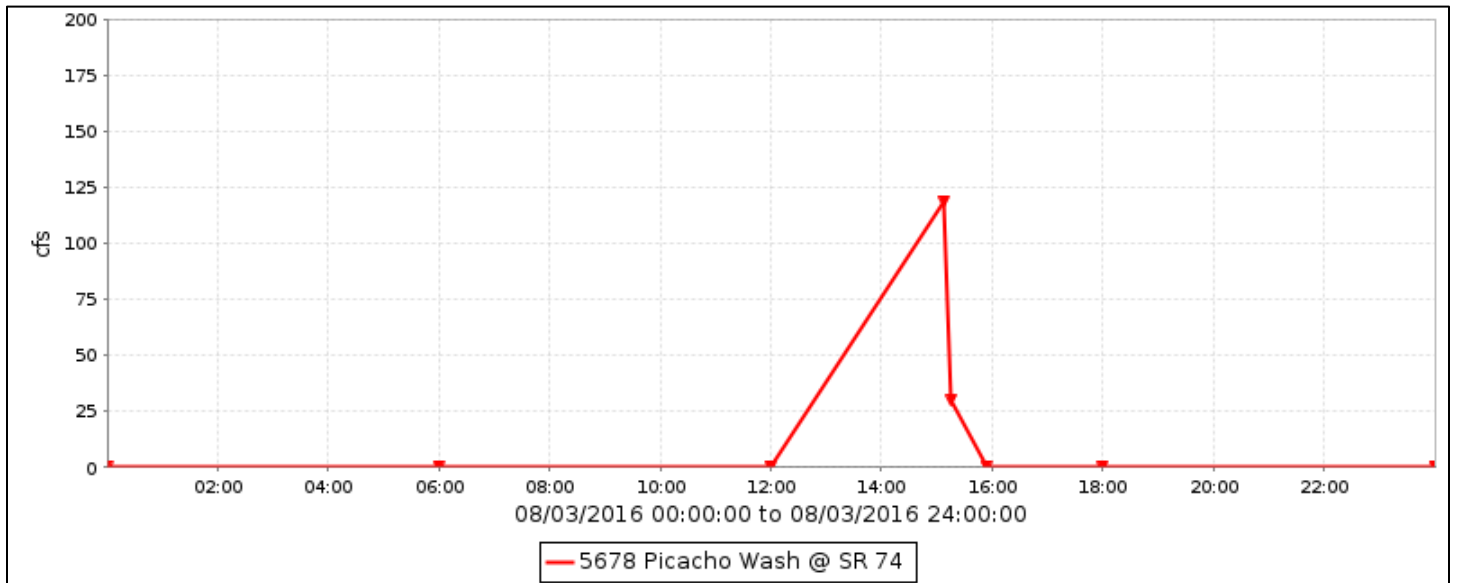
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/20/2015	1.18	55
08/03/2016	1.30	118

Hydrograph of peak WY 2016 flow event, 08/03/2016



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3											1	
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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	55	0	0	0	0	0	0	0	0	0	118	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1	0	0	0	0	0	0	0	0	0	3	0
WTR YR 2016	TOTAL		2	MEAN	0	MAX	118	MIN	0	AC_FT		4

Sycamore Creek Fire, ID #5871/5873



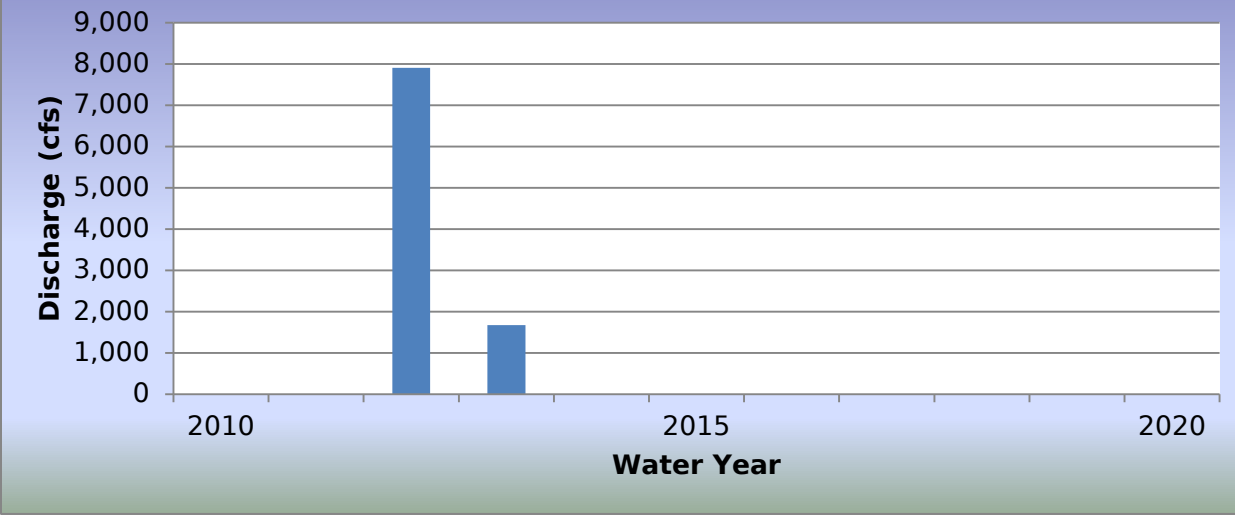
Site Data

LOCATION	Located near town of Sunflower, Arizona
DRAINAGE AREA	20.2 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S25 T7N R8E
LATITUDE	N 33° 55' 58.2" +33.93283
LONGITUDE	W 111° 28' 46.0" -111.47944
STREAMGAGE INSTALLATION DATE	06/26/2012 - WY 2012
AVAILABLE PERIOD OF RECORD	06/26/2012 - Current
LENGTH OF AVAILABLE POR DATA	4.27 Years 1,558 Days
GAPS (> 2 DAYS) IN RECORD	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	0.00 feet Gage Height
POINT OF ZERO FLOW	Undetermined
EXTREME FOR PERIOD OF RECORD	7,906 cfs 11.96 feet gage height 08/16/2012

Location Map



Sycamore Creek Fire - water year peaks



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded during Water Year 2016.

Flood Flow Frequency

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

Sycamore Creek Fire, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values													
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1														
2														
3														
4														
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT	0

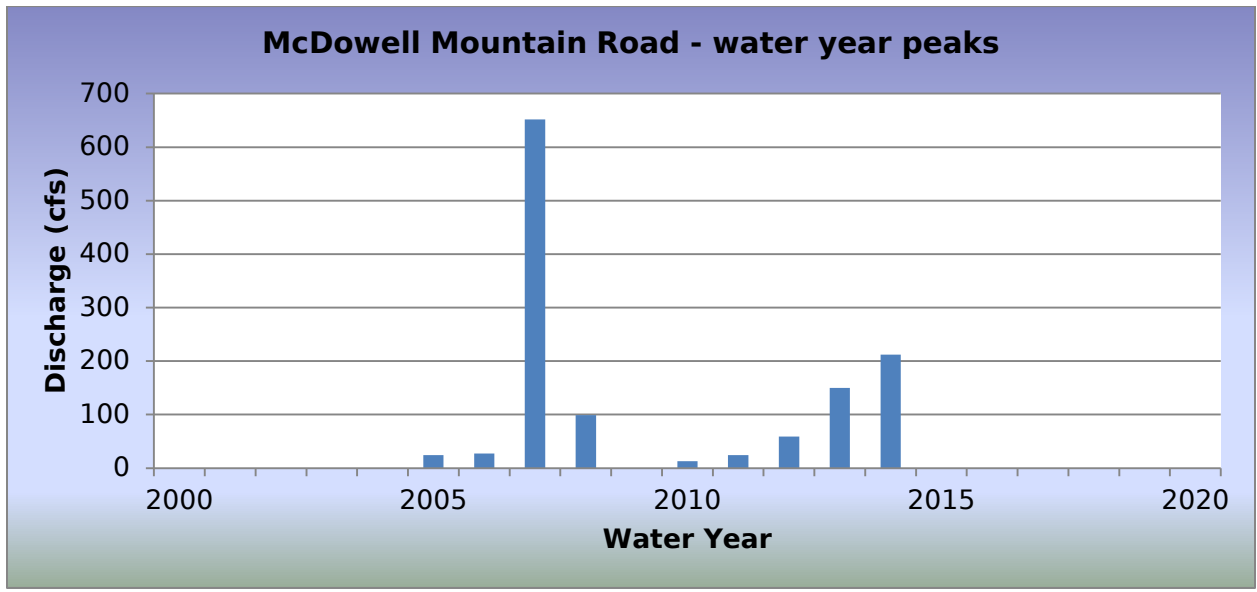
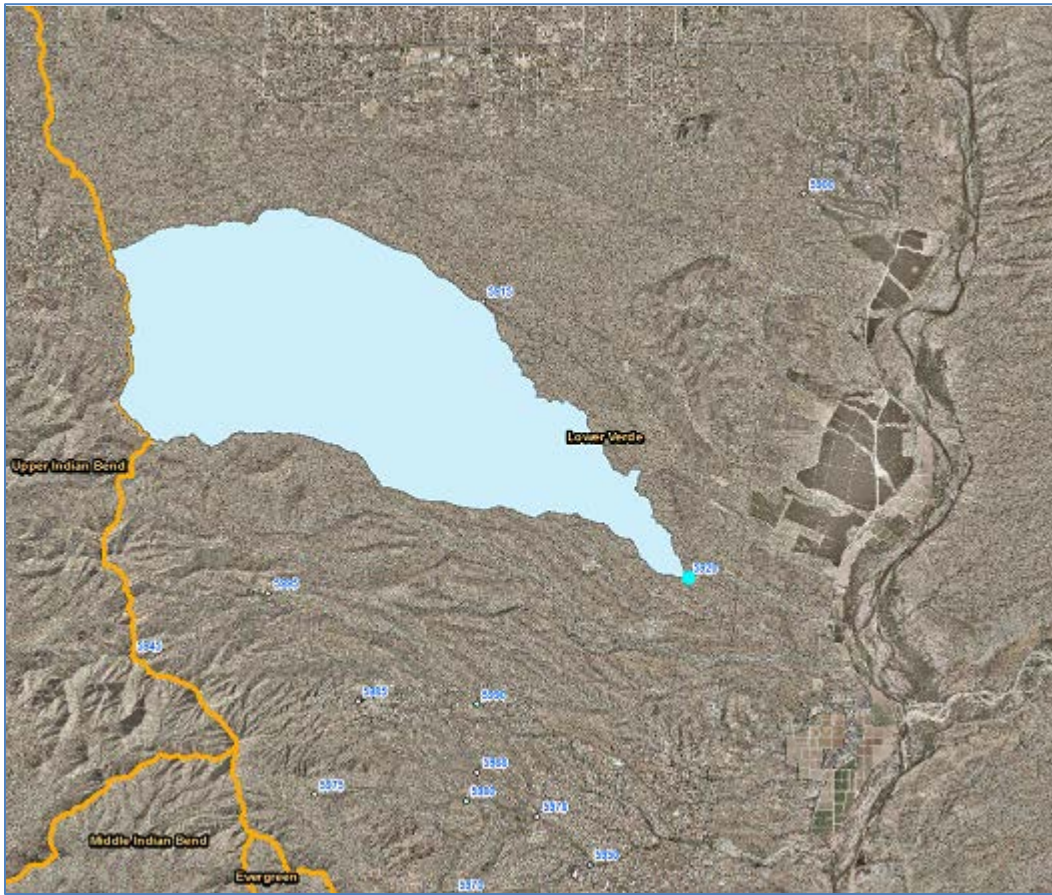
McDowell Mountain Road, ID #5923



Site Data

LOCATION	Located in the southeast part of McDowell Mountain Park
DRAINAGE AREA	11.9 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S26 T4N R6E
LATITUDE	N 33° 39' 24.1" +33.65667
LONGITUDE	W 111° 42' 22.8" -111.70634
STREAMGAGE INSTALLATION DATE	05/18/2004 - WY 2004
AVAILABLE PERIOD OF RECORD	05/18/2004 - Current
LENGTH OF AVAILABLE POR DATA	12.37 Years 4,519 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	-0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	652 cfs 1.77 feet 07/23/2007

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

No runoff recorded during Water Year 2016.

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
31	120	246	447	874	1,370

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

McDowell Mountain Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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2												
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29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	1	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	3	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL		1	MEAN	0	MAX	0	MIN	0	AC_FT		3

Stoneridge Dam, ID #5968



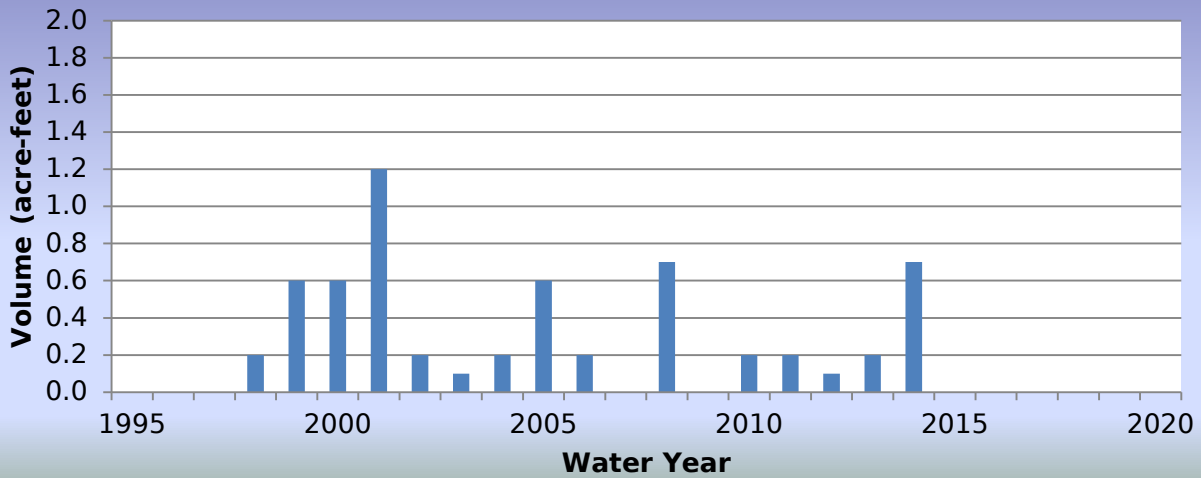
Site Data

LOCATION	About 1/2 mile north of Shea Boulevard, west of Fountain Hills Boulevard
DRAINAGE AREA	0.86 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S22 T3N R6E
LATITUDE	N 33° 35' 40.1" +33.59448
LONGITUDE	W 111° 44' 00.0" -111.73332
STREAMGAGE INSTALLATION DATE	12/11/2006 - WY 2007
AVAILABLE PERIOD OF RECORD	12/11/1996 - Current
LENGTH OF AVAILABLE POR DATA	19.55 Years 7,142 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.87 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,678.86 feet M.S.L.
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	23.8 feet Gage Height
TOP OF DAM ELEVATION	31.1 feet Gage Height

Watershed Map



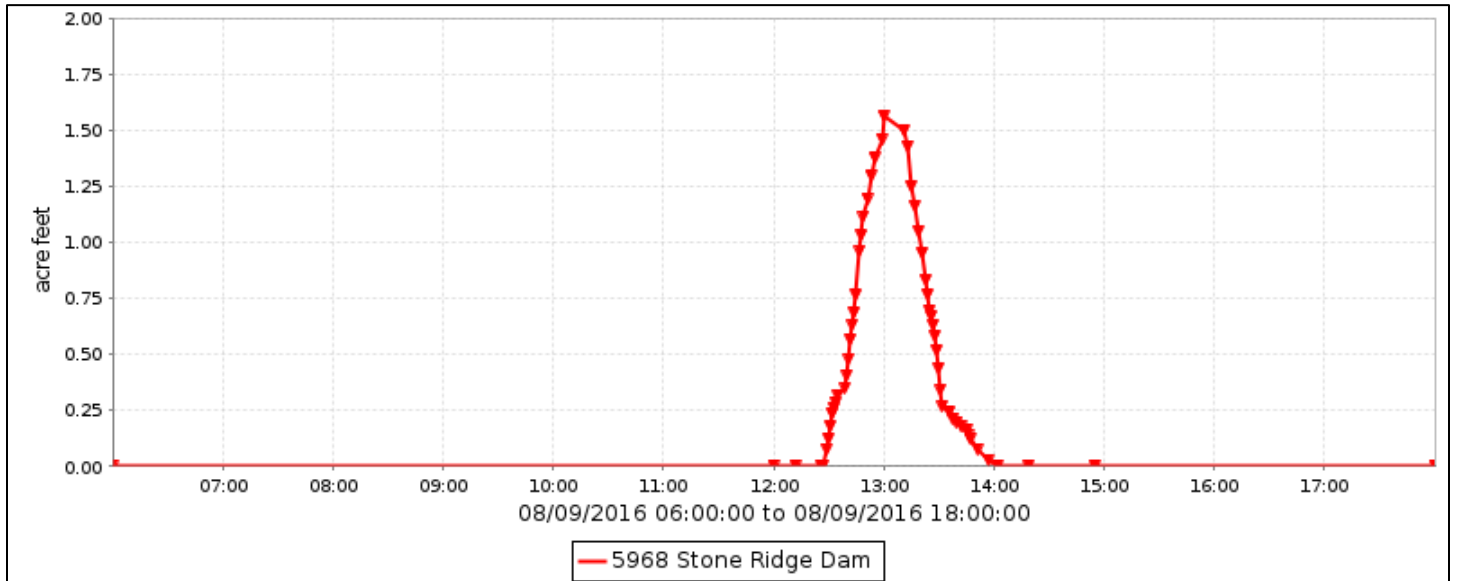
Stoneridge Dam - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/09/2016	6.33	1.6	2.4

Hydrograph of peak WY 2016 impoundment event, 08/09/2016



Stoneridge Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4		---													
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9											2				
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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	52	8			
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	1			
WTR YR 2016	TOTAL		3	MEAN		0	MAX		52	MIN		0	AC_FT		6

Stoneridge Dam, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	0	MAX	2	MIN	0						

Stoneridge Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
3	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
4	0.9	---	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	0.9
10	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
11	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
12	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
13	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
14	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
15	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
16	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
17	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
18	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
19	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
20	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
21	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
22	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
23	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
24	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
25	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
26	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
27	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
28	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
29	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
30	0.9	0.9	0.9	0.9	---	0.9	0.9	0.9	0.9	0.9	0.9	0.9
31	0.9	---	0.9	0.9	---	0.9	---	0.9	---	0.9	0.9	---
MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
MAX	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	6.3	1.4
MIN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
WTR YR 2016	MEAN	0.87	MAX	6.33	MIN	0.87						

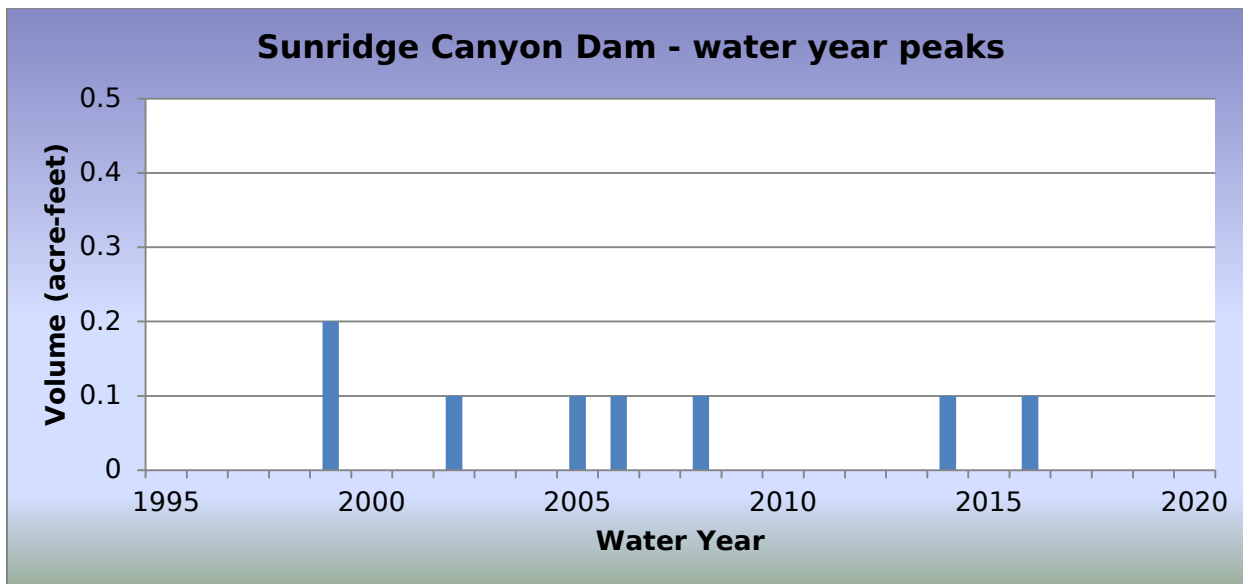
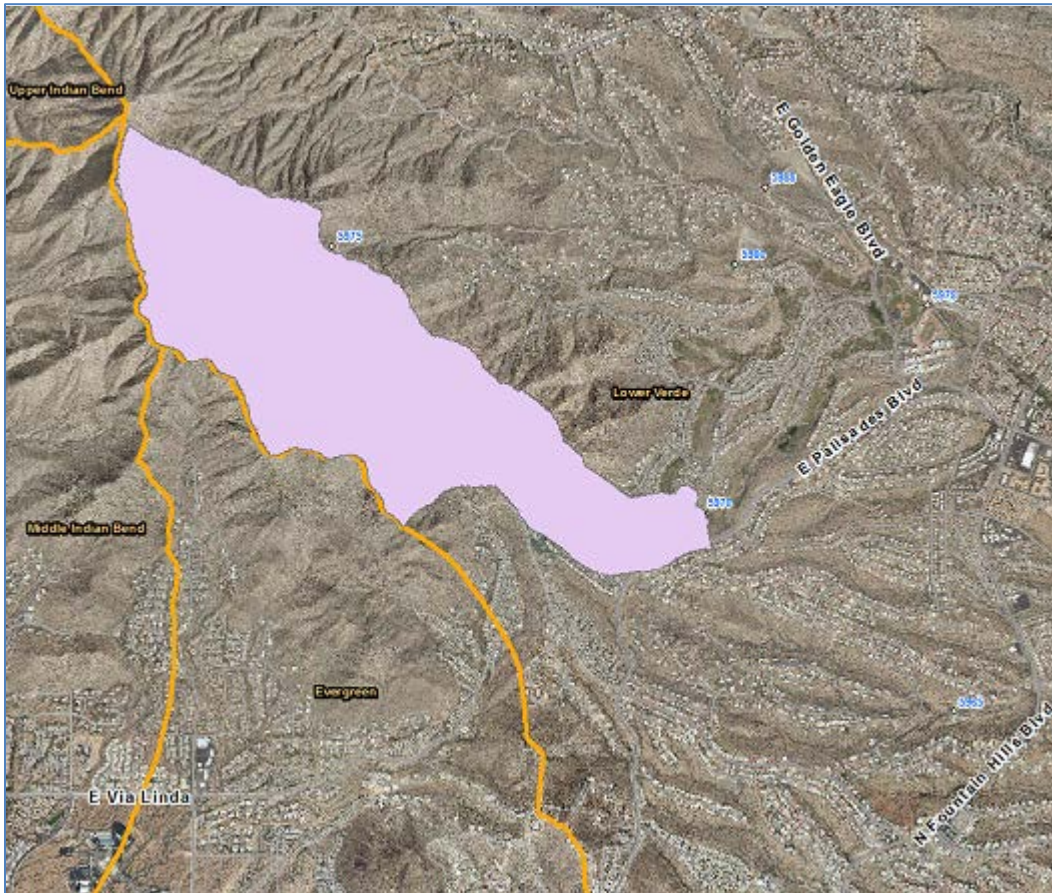
Sunridge Canyon Dam, ID #5973



Site Data

LOCATION	Near the Sunridge Canyon Golf Course
DRAINAGE AREA	1.60 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S16 T3N R6E
LATITUDE	N 33° 36' 23.1" +33.60641
LONGITUDE	W 111° 45' 04.0" -111.75112
STREAMGAGE INSTALLATION DATE	02/04/1997 - WY 1997
AVAILABLE PERIOD OF RECORD	02/04/1997 - Current
LENGTH OF AVAILABLE POR DATA	19.66 Years 7,179 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.36 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,884.66 feet M.S.L.
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	40.1 feet Gage Height
TOP OF DAM ELEVATION	47.7 feet Gage Height

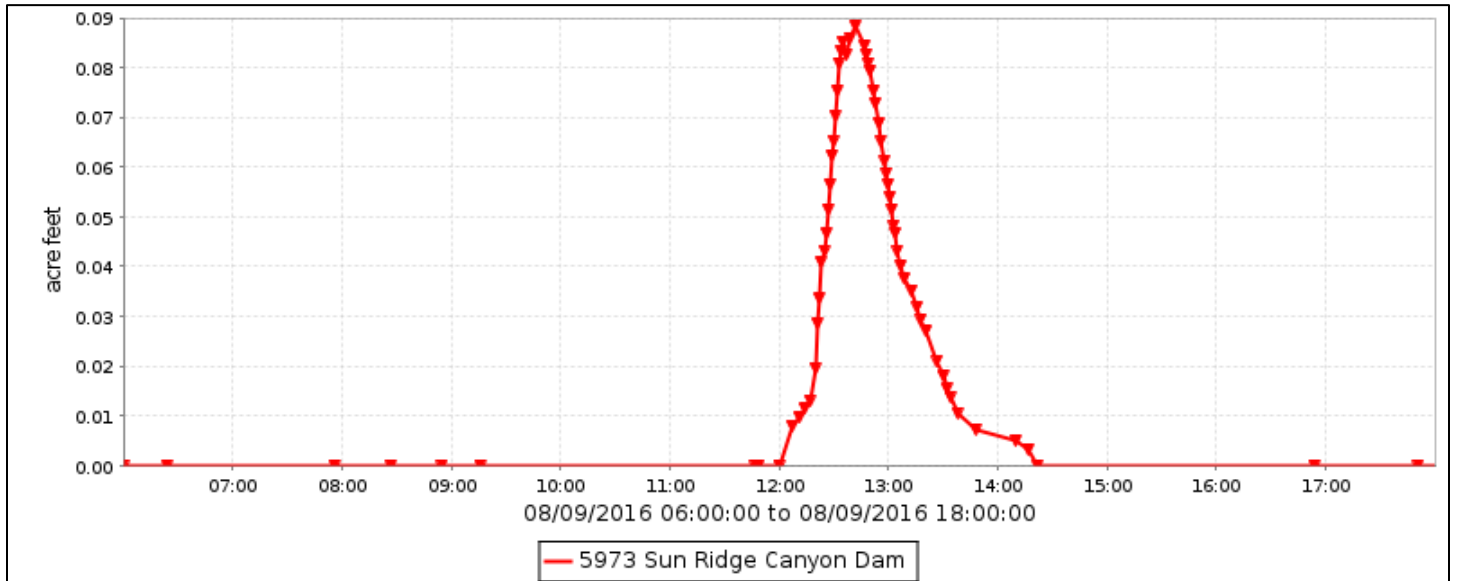
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/09/2016	6.64	0.1	0.2

Hydrograph of peak WY 2016 impoundment event, 08/09/2016



Sunridge Canyon Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
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28															
29															
30					---										
31		---			---		---		---			---			
TOTAL	0	0	0	0	0	0	0	0	0	0	6	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	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	0	12	0			
WTR YR 2016	TOTAL		6	MEAN		0	MAX		123	MIN		0	AC_FT		12

Sunridge Canyon Dam, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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 2016	MEAN		0	MAX	0	MIN	0					

Sunridge Canyon Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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
2	1.4	1.4	1.4	---	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
6	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	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
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	1.4	1.4	1.4	1.4	1.4	1.4	1.4
13	1.4	1.4	1.4	1.4	1.4	1.4	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	1.4
15	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
16	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
17	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
18	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
19	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
20	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
21	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
22	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
23	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
24	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
25	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
26	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
27	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
28	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
29	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
30	1.4	1.4	1.4	1.4	---	1.4	1.4	1.4	1.4	1.4	1.4	1.4
31	1.4	---	1.4	1.4	---	1.4	---	1.4	---	1.4	1.4	---
MEAN	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
MAX	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	6.6	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 2016	MEAN	1.36	MAX	6.64	MIN	1.36						

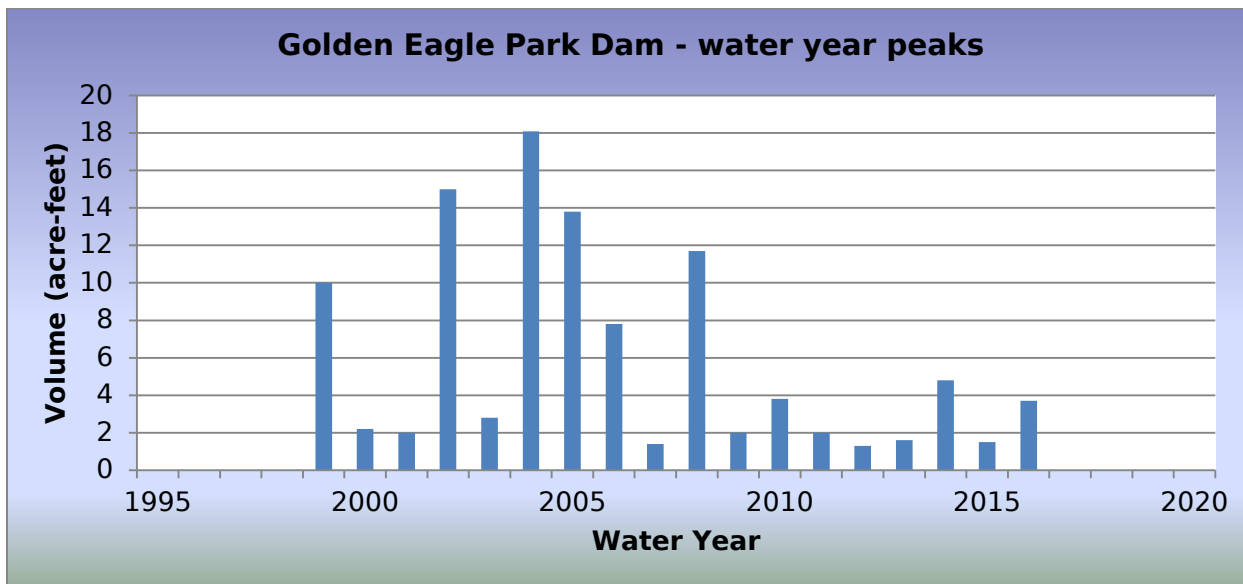
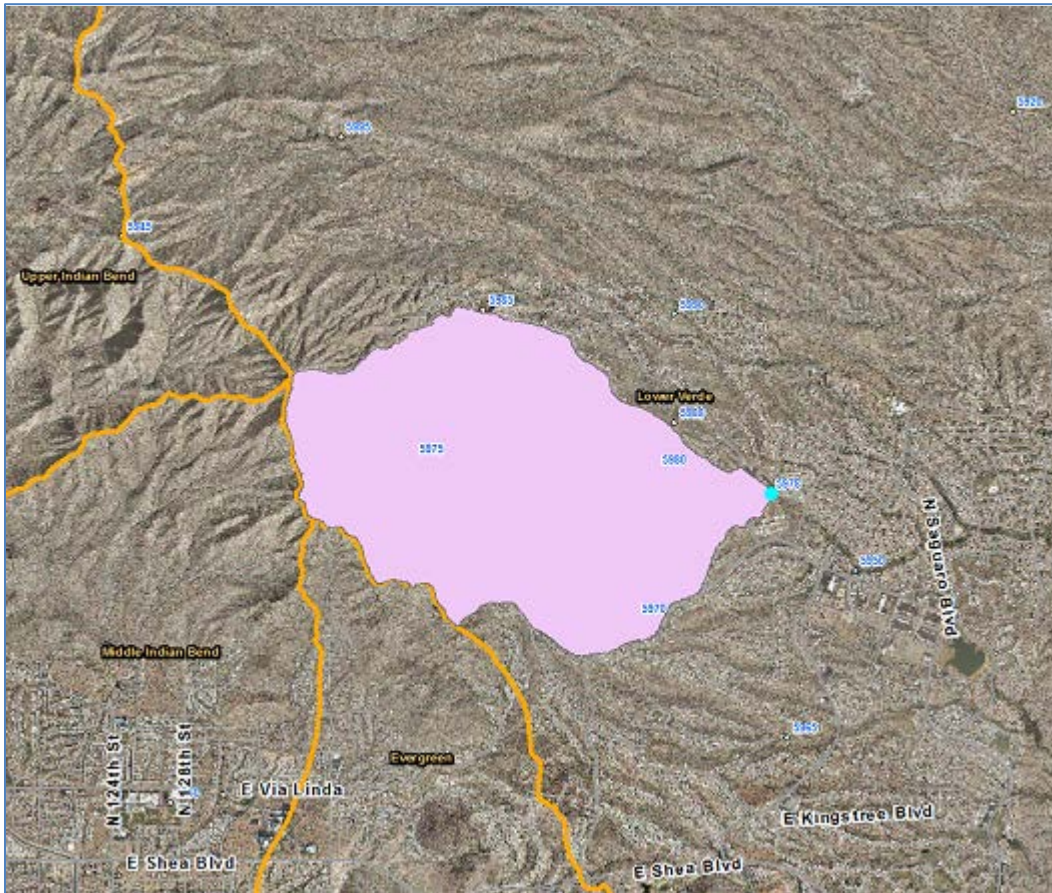
Golden Eagle Park Dam, ID #5978



Site Data

LOCATION	In Golden Eagle Park, near Fountain Hills High School
DRAINAGE AREA	7.13 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S09 T3N R6E
LATITUDE	N 33° 37' 07.7" +33.61880
LONGITUDE	W 111° 44' 06.2" -111.73507
STREAMGAGE INSTALLATION DATE	12/12/1996 - WY 1997
PERIOD OF AVAILABLE DATA RECORD	12/12/1996 - Current
LENGTH OF AVAILABLE POR	19.80 Years 7,233 Days
GAPS (> 2 DAYS) IN RECORD	05/01/2000 - 03/05/2001 (station was located on inflow wash due to construction)
STAGE GAGE ELEVATION	2.56 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,694.60 feet M.S.L.
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

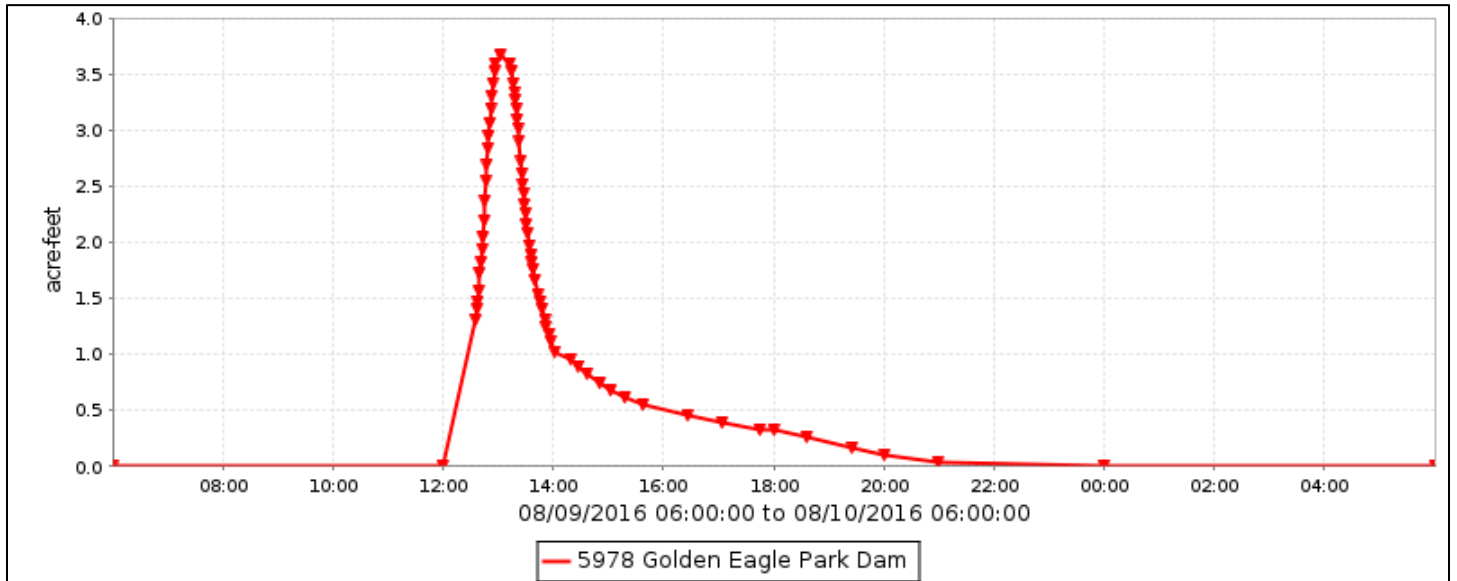
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	5.15	1.7	1.9
08/09/2016	7.89	3.7	4.0

Hydrograph of peak WY 2016 impoundment event, 08/09/2016



Golden Eagle Park Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				121								
8				2								
9										58		
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	124	0	0	0	0	0	0	59	0
MEAN	0	0	0	4	0	0	0	0	0	0	2	0
MAX	0	0	0	372	0	0	0	0	0	0	633	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	245	0	0	0	0	0	0	116	0
WTR YR 2016	TOTAL	182	MEAN	0	MAX	633	MIN	0	AC_FT	362		

Golden Eagle Park Dam, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				1								
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30						---						
31		---				---		---		---		---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	2	0	0	0	0	0	0	4	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	4	MIN	0					

Golden Eagle Park Dam, stage data

Station Number: 5978 Name: Golden Eagle Park Da

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
7	2.6	2.6	2.6	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.0	2.6
10	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
11	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
12	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
13	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
14	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
15	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
17	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
18	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
19	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
20	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
21	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
22	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
23	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
24	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
25	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
26	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
27	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
28	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
29	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
30	2.6	2.6	2.6	2.6	---	2.6	2.6	2.6	2.6	2.6	2.6	2.6
31	2.6	---	2.6	2.6	---	2.6	---	2.6	---	2.6	2.6	---
MEAN	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
MAX	2.6	2.6	2.6	5.1	2.6	2.6	2.6	2.6	2.6	2.6	7.9	2.6
MIN	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
WTR YR 2016	MEAN	2.56	MAX	7.89	MIN	2.56						

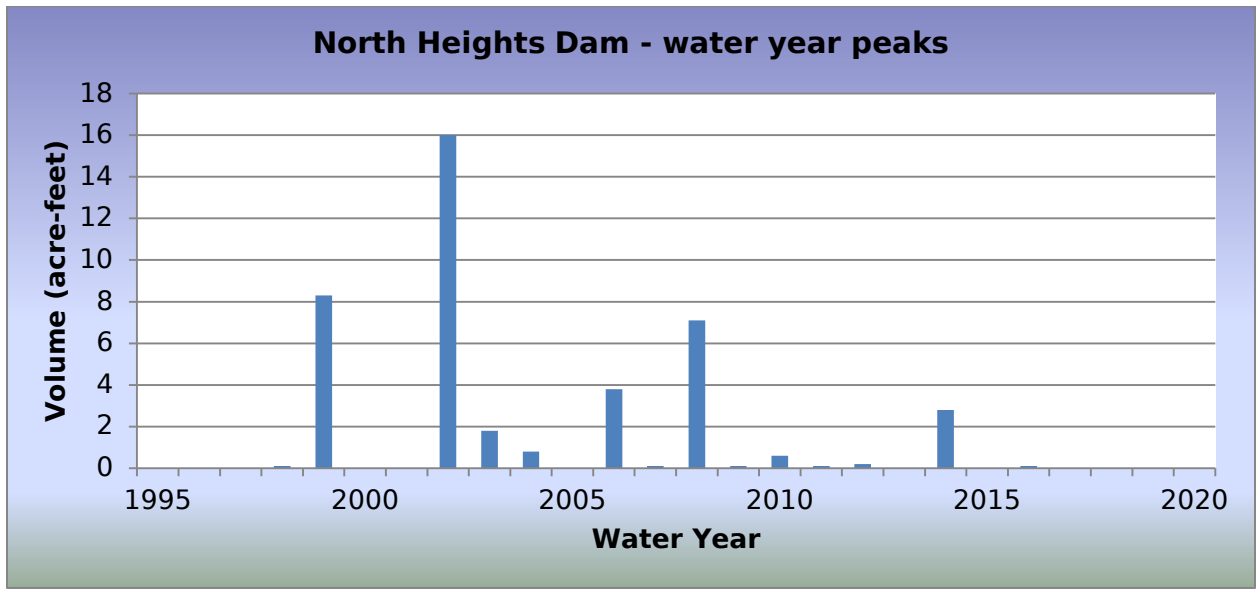
North Heights Dam, ID #5983



Site Data

LOCATION	Upstream from Golden Eagle Park Dam, to the north and west
DRAINAGE AREA	2.13 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S09 T3N R6E
LATITUDE	N 33° 37' 16.7" +33.62131
LONGITUDE	W 111° 44' 55.3" -111.74868
STREAMGAGE INSTALLATION DATE	10/11/1996 - WY 1997
AVAILABLE PERIOD OF RECORD	10/11/1996 - Current
LENGTH OF AVAILABLE POR DATA	19.97 Years 7,295 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.25 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,778.97 feet M.S.L.
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	31.8 feet Gage Height
TOP OF DAM ELEVATION	39.8 feet Gage Height

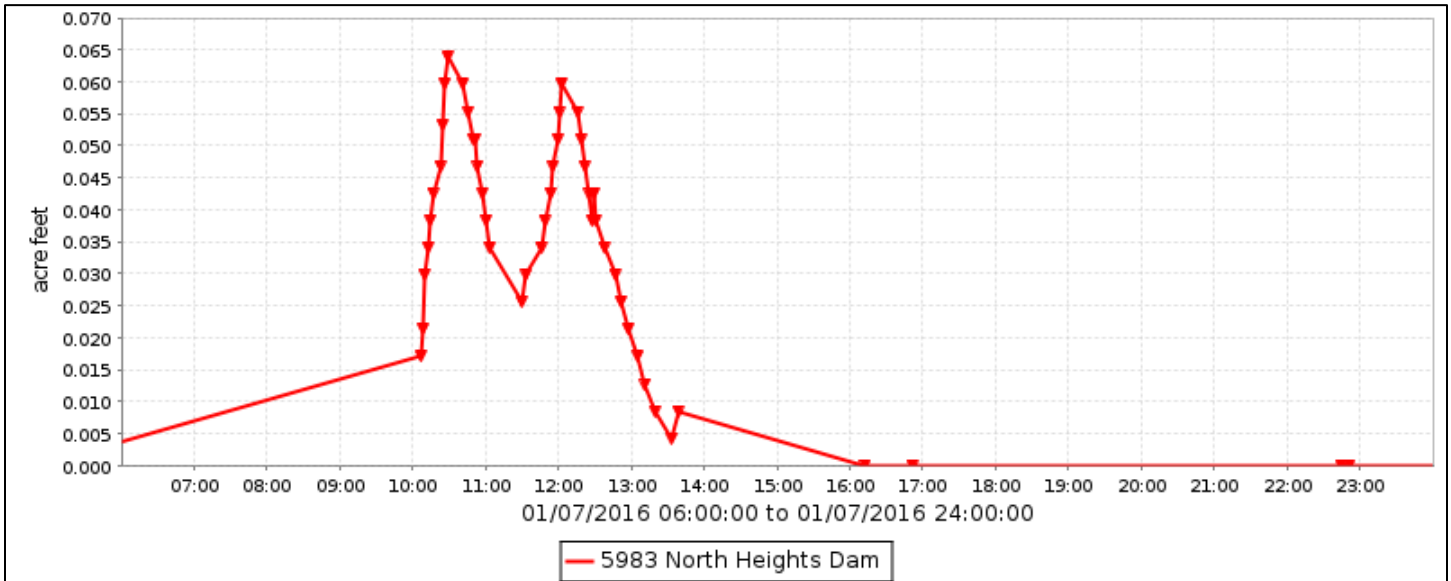
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	1.80	0.1	0.1

Hydrograph of peak WY 2016 impoundment event, 01/07/2016



North Heights Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2							5						
3													
4													
5													
6													
7				4								---	
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	4	0	0	5	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	
MAX	0	0	0	38	0	0	26	0	0	0	0	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	0	0	0	9	0	0	10	0	0	0	0	0	
WTR YR 2016	TOTAL		9	MEAN		0	MAX	38	MIN		0	AC_FT	19

North Heights Dam, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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 2016	MEAN	0	MAX	0	MIN	0						

North Heights Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.4	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.3	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	0.4	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
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.3	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	0.2	1.8	0.2	0.2	1.2	0.2	0.2	0.2	0.2	0.2
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
WTR YR 2016	MEAN	0.25	MAX	1.80	MIN	0.25						

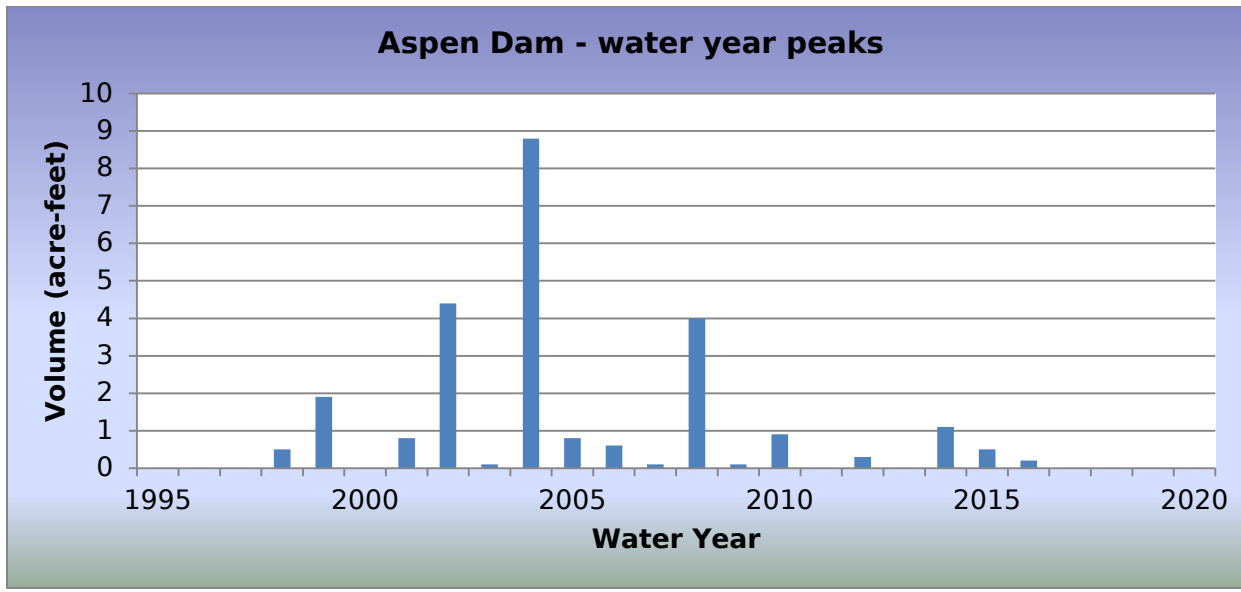
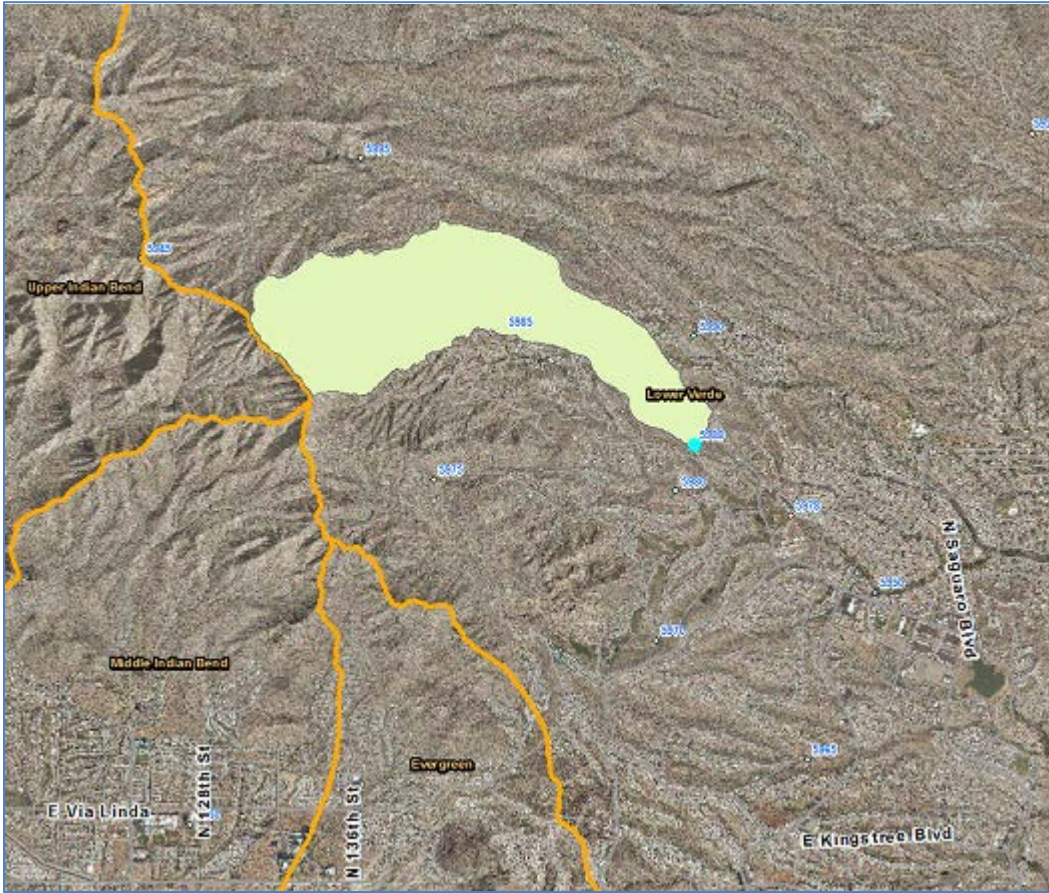
Aspen Dam, ID #5988



Site Data

LOCATION	Near Aspen Drive and Golden Eagle Boulevard
DRAINAGE AREA	2.02 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	01/02/1997 - Current
LENGTH OF AVAILABLE POR DATA	19.75 Years 7,212 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.24 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,808.61 feet M.S.L.
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

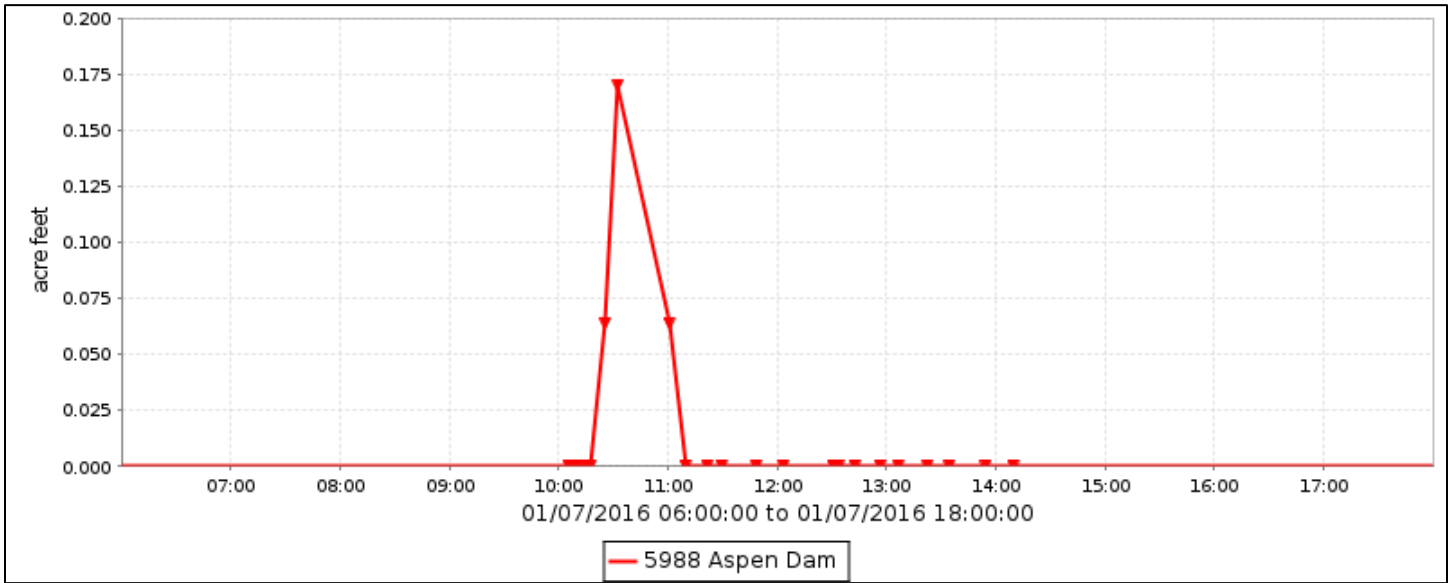
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	1.80	0.1	0.1

Hydrograph of peak WY 2016 impoundment event, 01/07/2016



Aspen Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				3								
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	3	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	23	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	5	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL		3	MEAN	0	MAX	23	MIN	0	AC_FT		5

Aspen Dam, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	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 2016	MEAN	0	MAX	0	MIN	0						

Aspen Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	1.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
WTR YR 2016	MEAN	0.24	MAX	1.59	MIN	0.24						

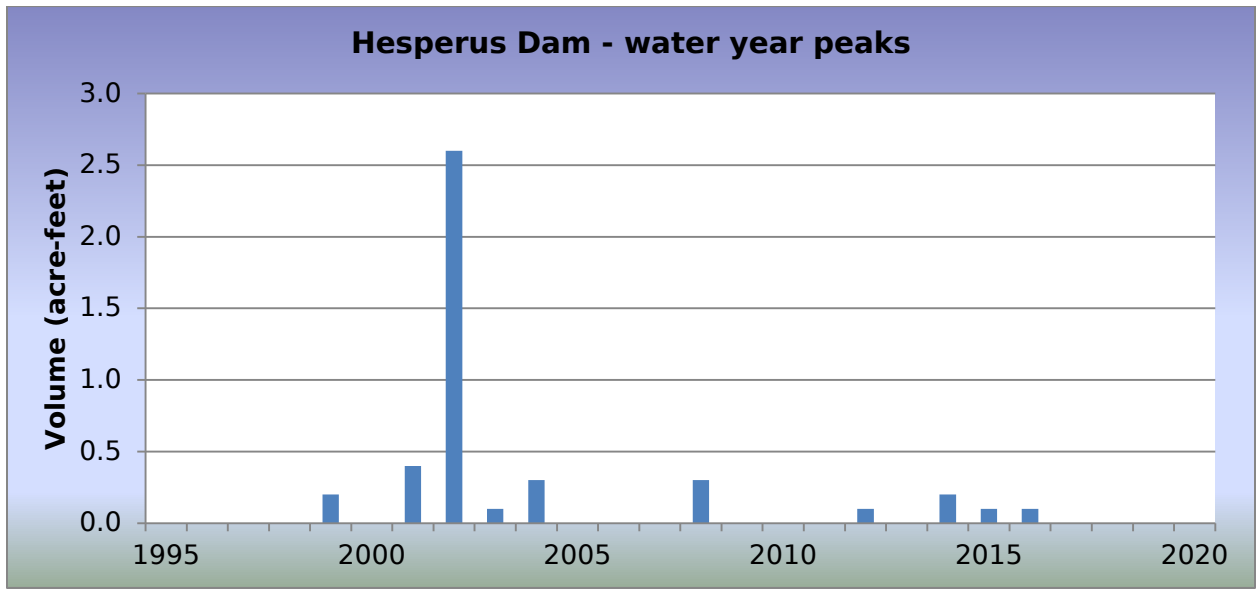
Hesperus Dam, ID #5993



Site Data

LOCATION	East of Golden Eagle Boulevard off of Richwood Avenue
DRAINAGE AREA	2.91 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Fountain Hills, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S04 T3N R6E
LATITUDE	N 33° 38' 11.8" +33.63661
LONGITUDE	W 111° 44' 47.6" -111.74656
STREAMGAGE INSTALLATION DATE	12/18/1996 - WY 1997
AVAILABLE PERIOD OF RECORD	12/18/1996 - Current
LENGTH OF AVAILABLE POR DATA	19.79 Years 7,227 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.03 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,851.88 feet M.S.L.
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	37.1 feet Gage Height
TOP OF DAM ELEVATION	42.3 feet Gage Height

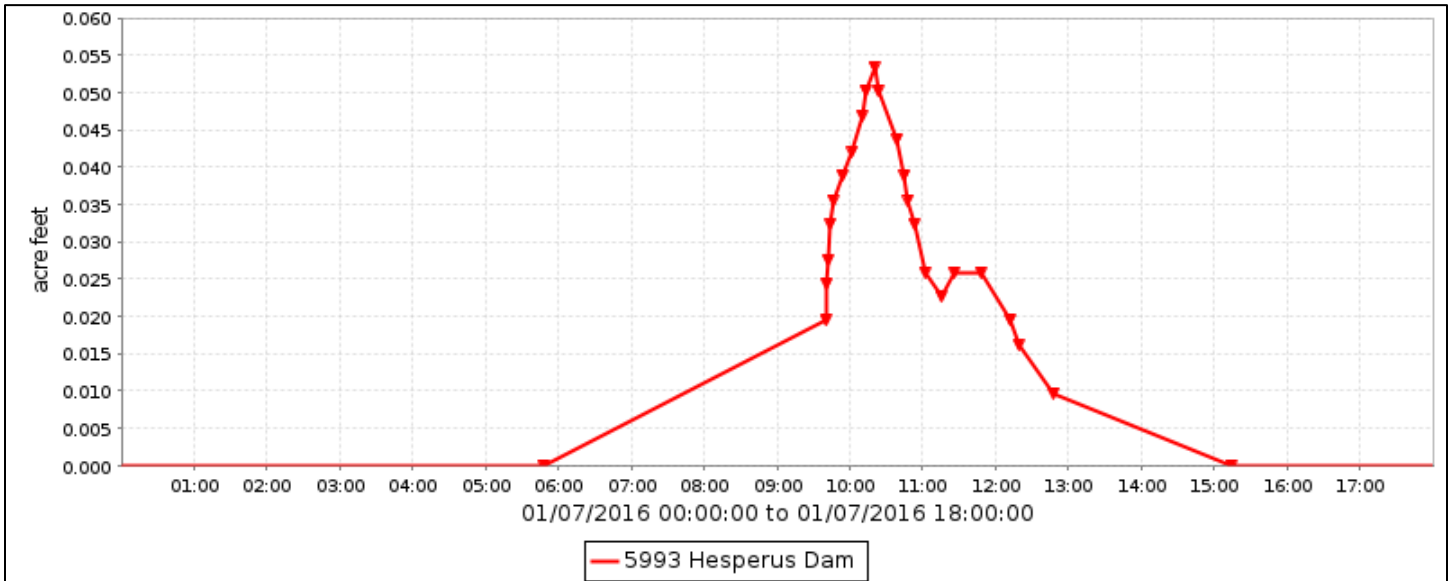
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	2.68	0.1	0.0

Hydrograph of peak WY 2016 impoundment event, 01/07/2016



Hesperus Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				9								
8												
9										1		
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	9	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	53	0	0	0	0	0	0	30	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	18	0	0	0	0	0	0	1	0
WTR YR 2016	TOTAL	10	MEAN	0	MAX	53	MIN	0	AC_FT	19		

Hesperus Dam, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
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13												
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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 2016	MEAN	0	MAX	0	MIN	0						

Hesperus Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7	1.0	1.0	1.0	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
15	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
17	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
21	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
23	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
26	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
27	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
28	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
29	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30	1.0	1.0	1.0	1.0	---	1.0	1.0	1.0	1.0	1.0	1.0	1.0
31	1.0	---	1.0	1.0	---	1.0	---	1.0	---	1.0	1.0	---
MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MAX	1.0	1.0	1.0	2.7	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.0
MIN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WTR YR 2016	MEAN	1.03	MAX	2.68	MIN	1.03						

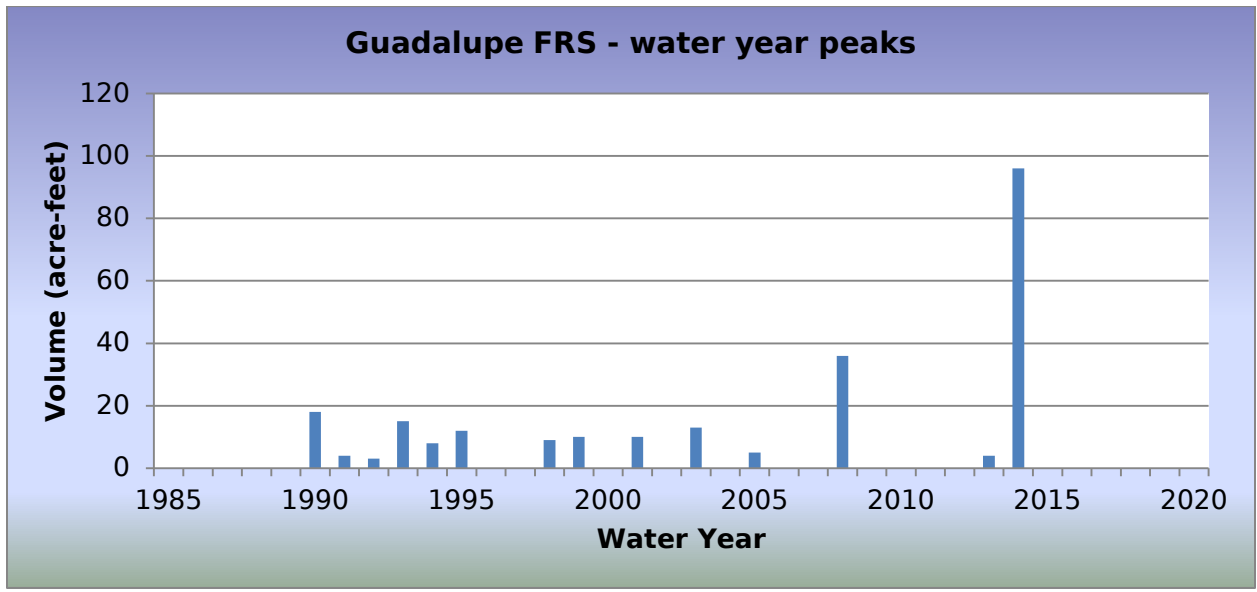
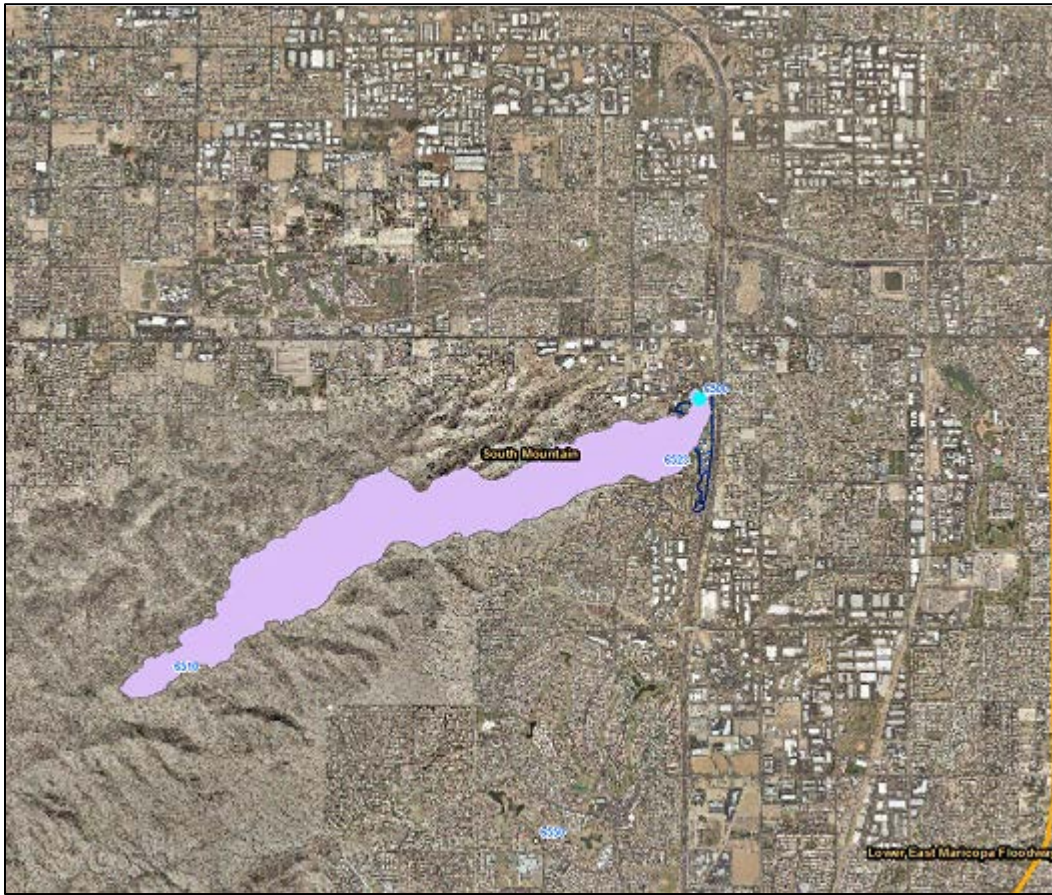
Guadalupe FRS, ID #6503



Site Data

LOCATION	Located west of I-10 and south of Baseline Road
DRAINAGE AREA	1.87 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S05 T1S R4E
LATITUDE	N 33° 22' 19.0" +33.37194
LONGITUDE	W 111° 58' 13.7" -111.97047
STREAMGAGE INSTALLATION DATE	06/29/1989 - WY 1989
AVAILABLE PERIOD OF RECORD	06/29/1989 - Current
LENGTH OF AVAILABLE POR DATA	27.26 Years 9,956 Days
GAPS (> 2 DAYS) IN RECORD	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



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

There were no recorded impoundments during Water Year 2016.

Guadalupe FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	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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22															
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

Guadalupe FRS, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
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11												
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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 2016	MEAN	0	MAX	0	MIN	0						

Guadalupe FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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 2016	MEAN	0.26	MAX	0.26	MIN	0.26						

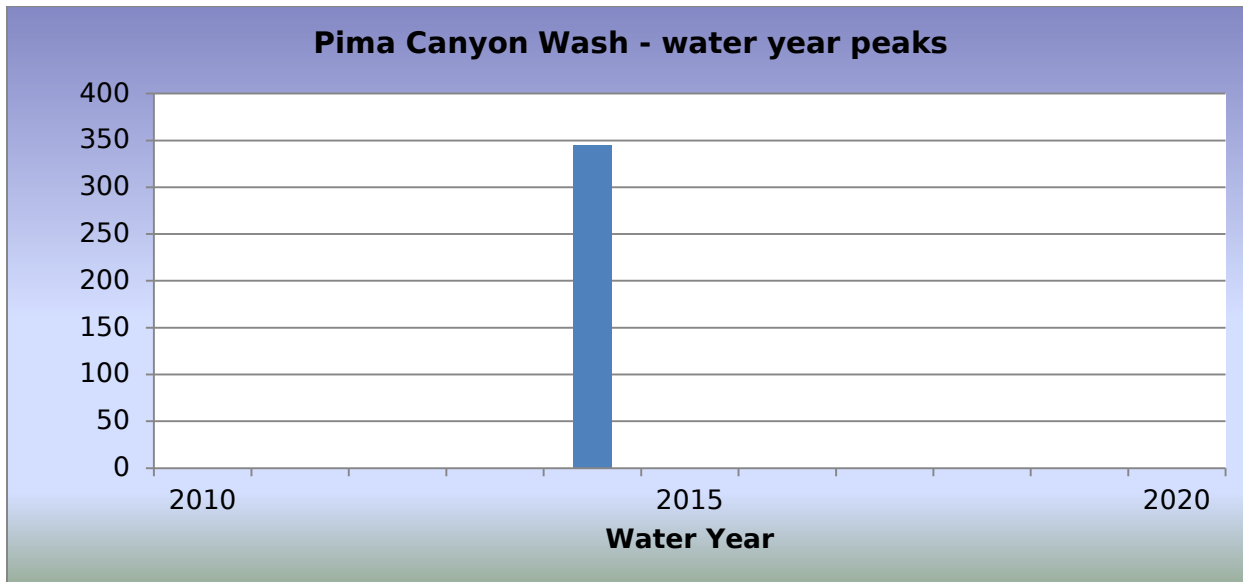
Pima Canyon Wash, ID #6523



Site Data

LOCATION	Located near 48th Street and Guadalupe Road
DRAINAGE AREA	1.51 mi ²
STREAM TYPE	Culvert
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S05 T1S R4E
LATITUDE	N 33° 21' 54.1" +33.36504
LONGITUDE	W 111° 58' 30.4" -111.97512
STREAMGAGE INSTALLATION DATE	04/15/2014 - WY 2014
AVAILABLE PERIOD OF RECORD	04/15/2014 - Current
LENGTH OF AVAILABLE POR DATA	2.46 Years 900 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.69 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	345 cfs 6.52 feet Gage Height 09/08/2014

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded during Water Year 2016.

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 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

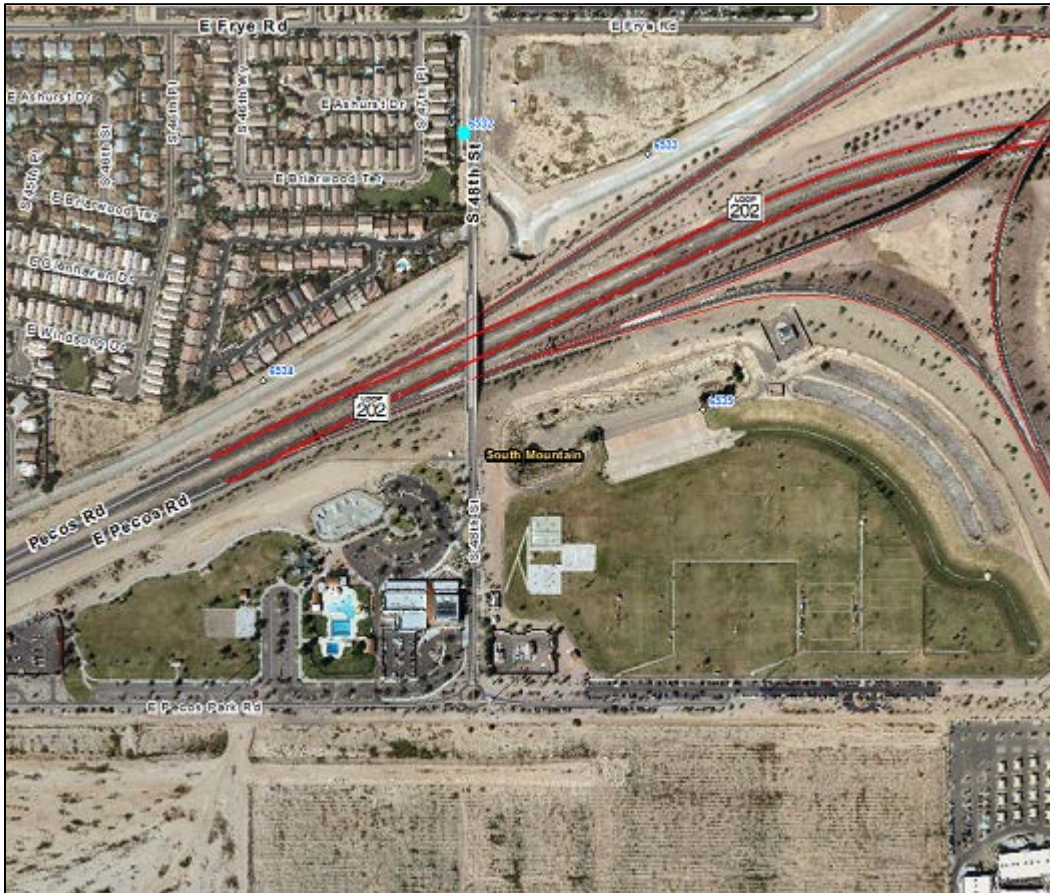
Pecos North Inflow, ID #6532



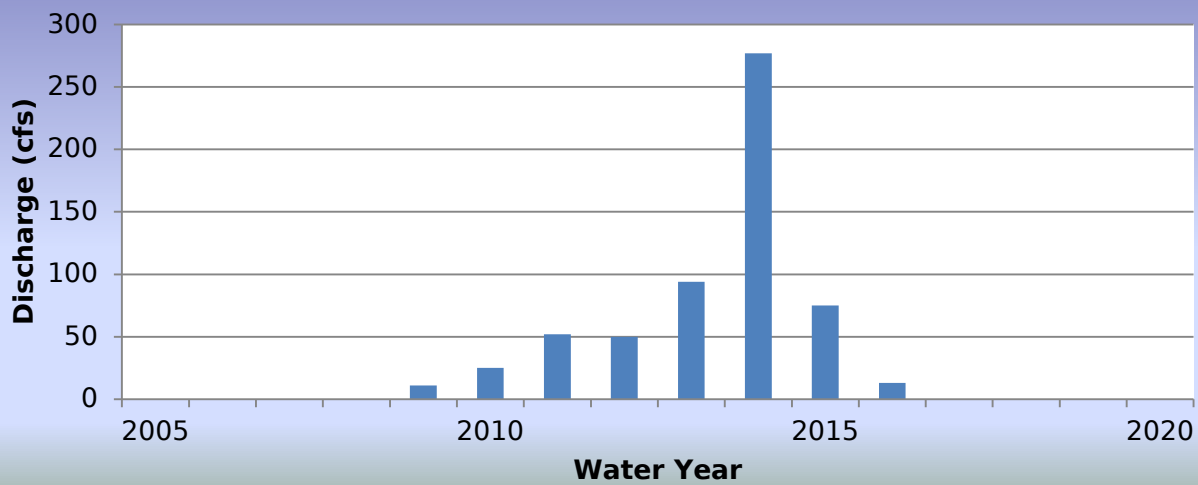
Site Data

LOCATION	Located on 48th Street south of Frye Road
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S31 T1S R4E
LATITUDE	N 33° 17' 49.0" +33.29695
LONGITUDE	W 111° 58' 49.8" -111.98051
STREAMGAGE INSTALLATION DATE	01/21/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	01/21/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.69 Years 2,810 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.06 feet Gage Height
EXTREME FOR PERIOD OF RECORD	277 cfs 3.12 feet Gage Height 09/08/2014

Location Map (watershed not defined)



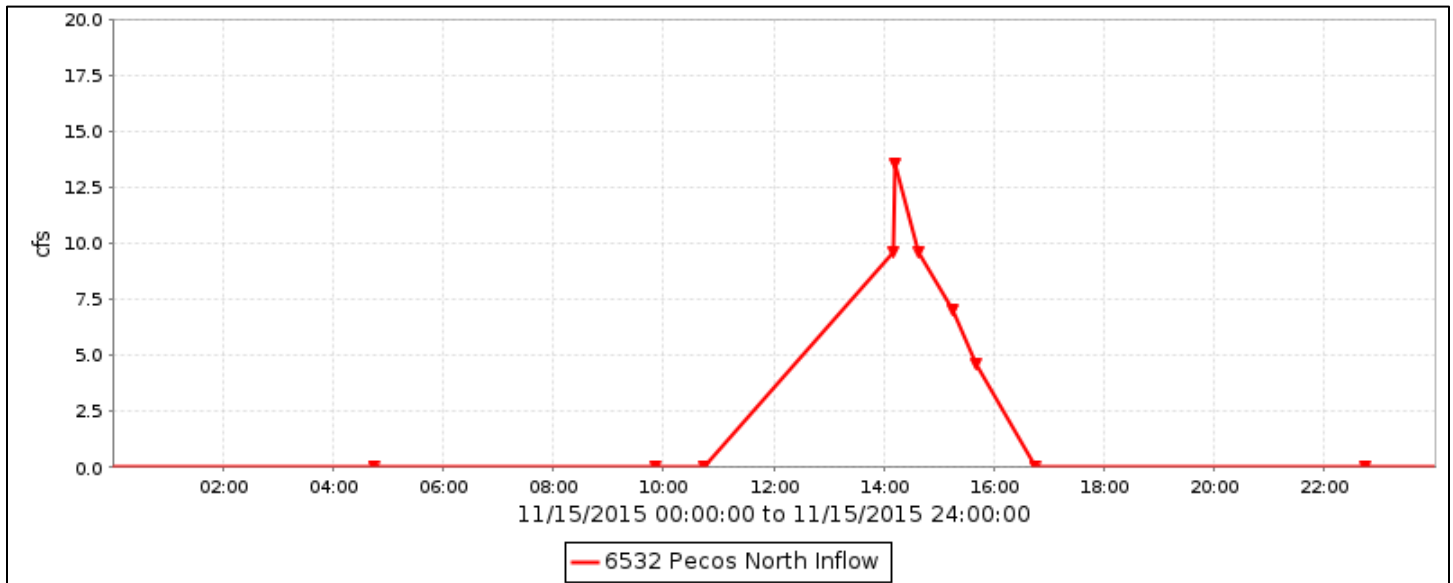
Pecos Inflow North - water year peaks



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
11/15/2015	0.68	13

Hydrograph of peak WY 2016 flow event, 11/15/2015



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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		1										
16			---									
17			---									
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29	---											
30	---				---							
31	---	---			---		---		---			---
TOTAL	0	1	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	13	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	2	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL	1	MEAN	0	MAX	13	MIN	0	AC_FT	2		

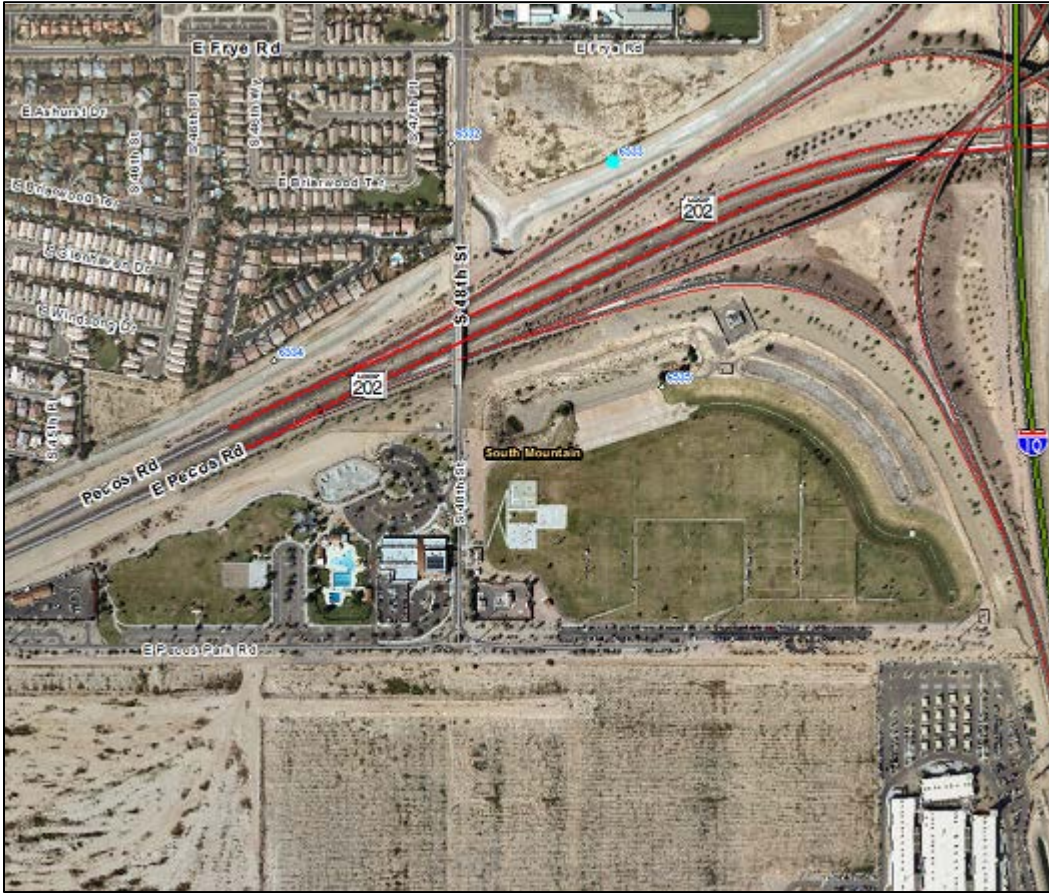
Pecos East Inflow, ID #6533



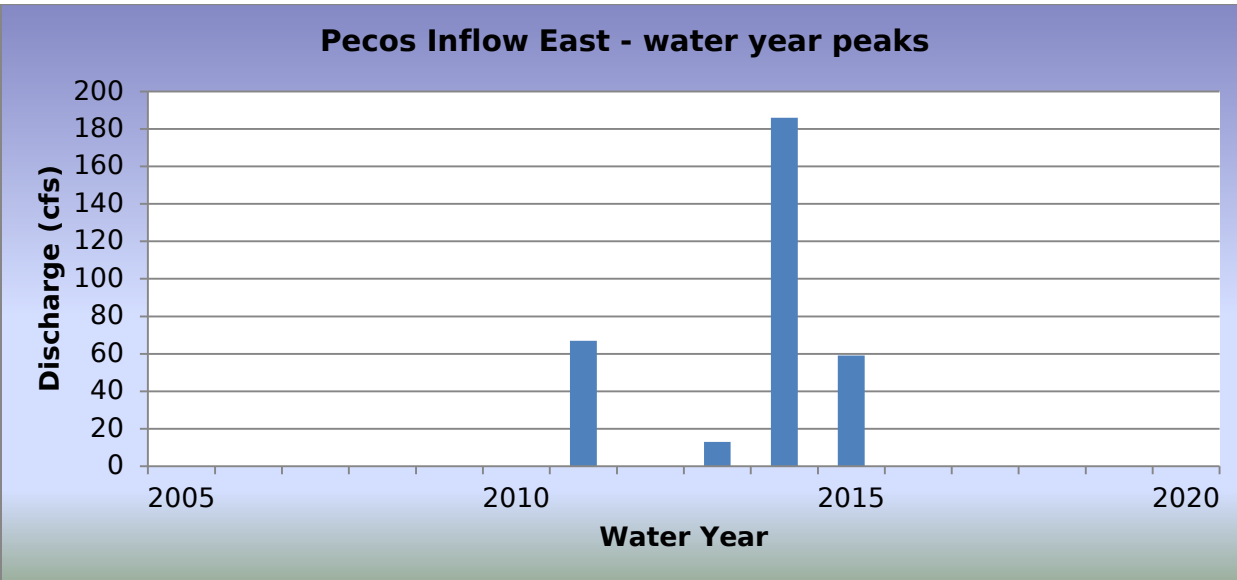
Site Data

LOCATION	Located east of 48th Street on the north side of SR 202L
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S32 T1S R4E
LATITUDE	N 33° 17' 47.9" +33.29663
LONGITUDE	W 111° 58' 41.5" -111.97820
STREAMGAGE INSTALLATION DATE	01/21/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	01/21/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.69 Years 2,810 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.73 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
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



Pecos Inflow East - water year peaks



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded during Water Year 2016.

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 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

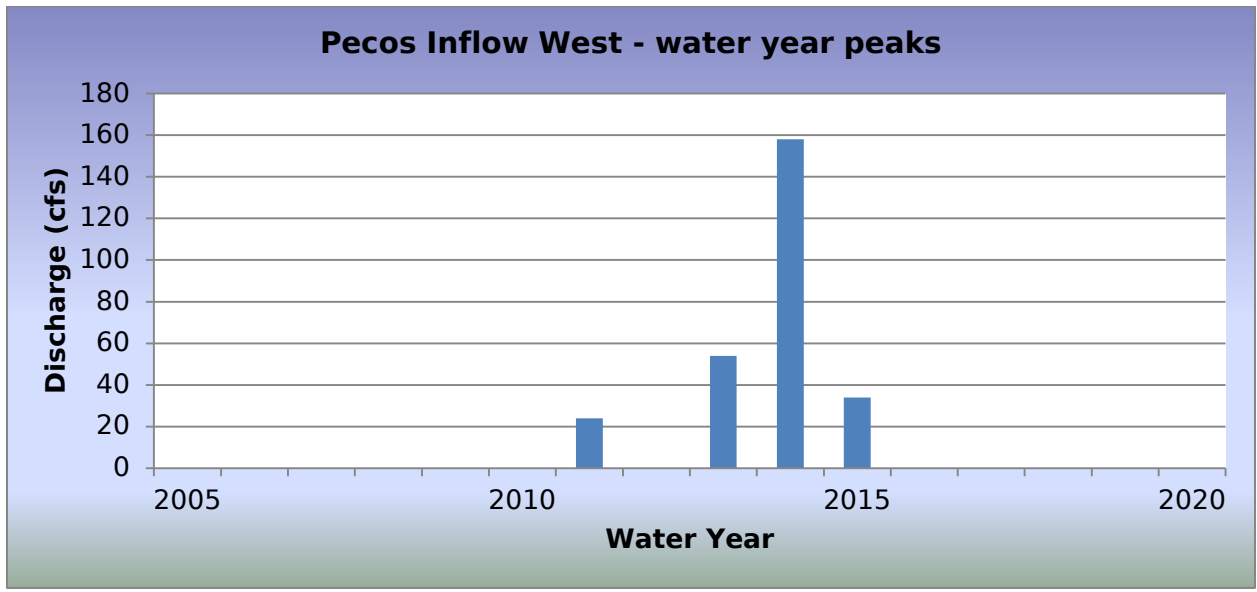
Pecos West Inflow, ID #6534



Site Data

LOCATION	Located west of 48th Street and north of SR 202L
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S31 T1S R4E
LATITUDE	N 33° 17' 39.3" +33.29425
LONGITUDE	W 111° 58' 58.7" -111.98298
STREAMGAGE INSTALLATION DATE	01/21/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	01/21/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.69 Years 2,810 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.75 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
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



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded during Water Year 2016.

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 2015 to September 2016

DAY	Daily Mean Values												
	OCT	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	15	
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	1	
WTR YR 2016	TOTAL		0	MEAN		0	MAX	15	MIN		0	AC_FT	1

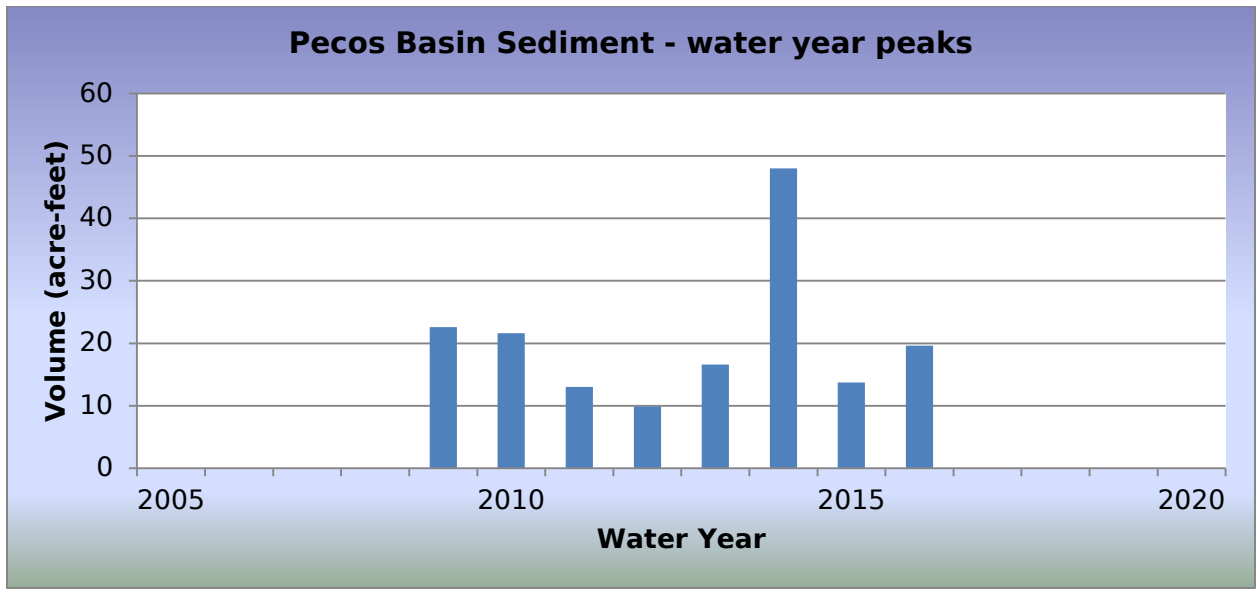
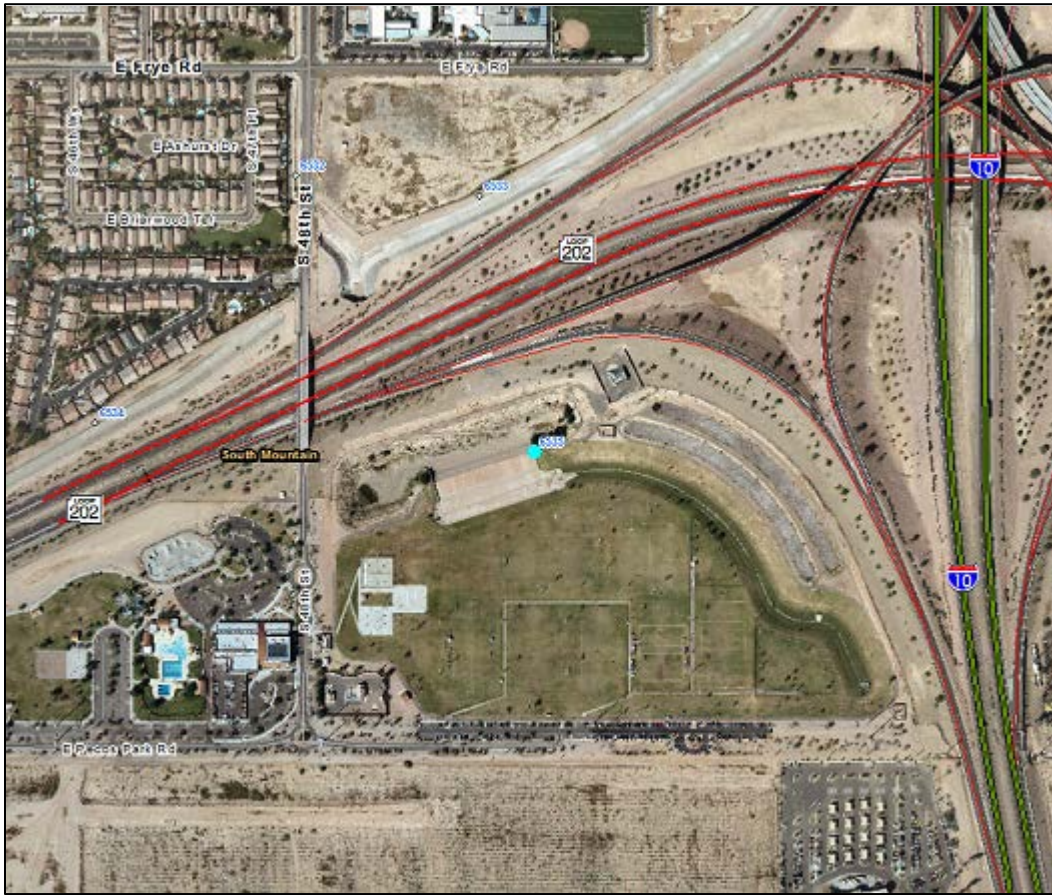
Pecos Sediment Basin, ID #6537



Site Data

LOCATION	In Pecos Park near 48th Street and Loop 202
DRAINAGE AREA	5.0 mi²
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	01/06/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.73 Years 2,825 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.48 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,140.00 feet M.S.L.
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

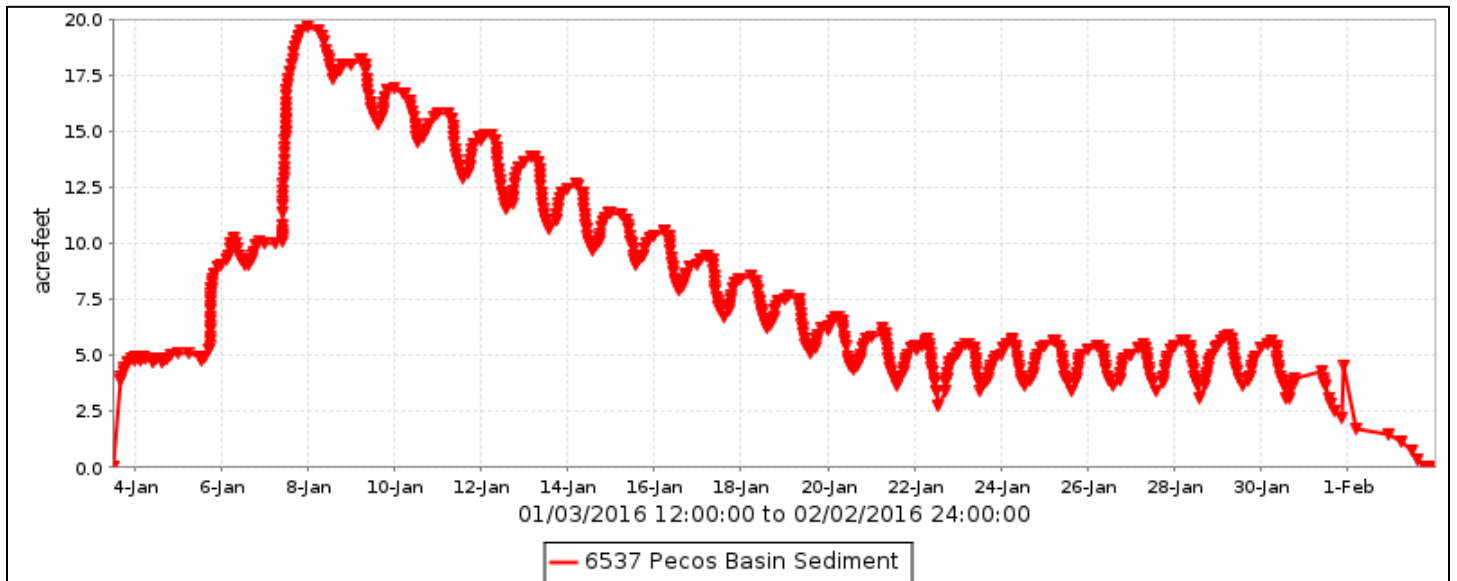
Location Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/08/2016	9.16	19.6	42.7
06/30/2016	2.75	5.1	11.2
07/19/2016	6.08	12.1	26.4
08/23/2016	2.02	3.6	8.0
09/02/2016	5.78	11.4	24.9

Hydrograph of peak WY 2016 impoundment event, 01/08/2016



Pecos Sediment Basin, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												1
3												
4												
5												
6												
7				11								
8				21								
9				18								
10				17								
11				13								
12				10								
13				6								
14				3								
15												
16												
17												
18												
19										2		
20										1		
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	100	0	0	0	0	0	3	0	1
MEAN	0	0	0	3	0	0	0	0	0	0	0	0
MAX	0	0	0	22	0	0	0	0	0	6	0	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	198	0	0	0	0	0	6	0	1
WTR YR 2016	TOTAL	104	MEAN	0	MAX	22	MIN	0	AC_FT	206		

Pecos Sediment Basin, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					2					4	6	3
2					1					2	6	11
3				1							5	10
4				5							5	9
5				6							4	8
6				10							2	8
7				14							1	7
8				19							1	6
9				17							1	5
10				16							1	5
11				14							1	4
12				13							1	3
13				12								2
14				11								2
15				10								2
16				9								2
17				8								2
18				7						2		2
19				6						11		2
20				6						11		2
21				5						10		2
22				4						9		3
23				5						8	1	3
24				5						7		3
25				5						7		2
26				5						6		3
27				5						6		3
28				5						5		2
29				5						5		2
30				4	---					5	7	2
31		---		3	---		---		---	7		---
MEAN	0	0	0	8	0	0	0	0	0	3	1	4
MAX	0	0	0	20	2	0	0	0	5	12	7	11
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		1	MAX	20	MIN		0				

Pecos Sediment Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.5	1.5	1.5	1.9	1.5	1.5	1.5	1.5	2.3	3.3	2.5
2	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.8	3.1	5.4
3	1.5	1.5	1.5	1.8	1.5	1.5	1.5	1.5	1.5	1.5	2.8	5.0
4	1.5	1.5	1.5	2.6	1.5	1.5	1.5	1.5	1.5	1.5	2.5	4.7
5	1.5	1.5	1.5	3.1	1.5	1.5	1.5	1.5	1.5	1.5	2.2	4.3
6	1.5	1.5	1.5	4.9	1.5	1.5	1.5	1.5	1.5	1.5	1.9	4.0
7	1.5	1.5	1.5	7.0	1.5	1.5	1.5	1.5	1.5	1.5	1.7	3.8
8	1.5	1.5	1.5	8.7	1.5	1.5	1.5	1.5	1.5	1.5	1.6	3.4
9	1.5	1.5	1.5	8.1	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.9
10	1.5	1.5	1.5	7.7	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.6
11	1.5	1.5	1.5	7.1	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.3
12	1.5	1.5	1.5	6.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.0
13	1.5	1.5	1.5	6.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
14	1.5	1.5	1.5	5.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7
15	1.5	1.5	1.5	5.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
16	1.5	1.5	1.5	4.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
17	1.5	1.5	1.5	4.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
18	1.5	1.5	1.5	3.9	1.5	1.5	1.5	1.5	1.5	2.0	1.5	1.8
19	1.5	1.5	1.5	3.4	1.5	1.5	1.5	1.5	1.5	5.7	1.5	1.8
20	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	5.5	1.5	1.8
21	1.5	1.5	1.5	2.7	1.5	1.5	1.5	1.5	1.5	5.1	1.5	1.7
22	1.5	1.5	1.5	2.5	1.5	1.5	1.5	1.5	1.5	4.7	1.5	1.9
23	1.5	1.5	1.5	2.5	1.5	1.5	1.5	1.5	1.5	4.3	1.6	1.9
24	1.5	1.5	1.5	2.6	1.5	1.5	1.5	1.5	1.5	3.9	1.5	2.0
25	1.5	1.5	1.5	2.6	1.5	1.5	1.5	1.5	1.5	3.6	1.5	1.8
26	1.5	1.5	1.5	2.5	1.5	1.5	1.5	1.5	1.5	3.2	1.5	1.9
27	1.5	1.5	1.5	2.5	1.5	1.5	1.5	1.5	1.5	3.0	1.5	1.9
28	1.5	1.5	1.5	2.6	1.5	1.5	1.5	1.5	1.5	2.7	1.5	1.8
29	1.5	1.5	1.5	2.6	1.5	1.5	1.5	1.5	1.5	2.6	1.5	1.8
30	1.5	1.5	1.5	2.4	---	1.5	1.5	1.5	2.5	3.9	1.5	1.8
31	1.5	---	1.5	2.1	---	1.5	---	1.5	---	3.5	1.5	---
MEAN	1.5	1.5	1.5	4.0	1.5	1.5	1.5	1.5	1.5	2.6	1.7	2.5
MAX	1.5	1.5	1.5	9.2	1.7	1.5	1.5	1.5	2.8	6.1	3.6	5.8
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 2016	MEAN	1.90	MAX	9.16	MIN	1.48						

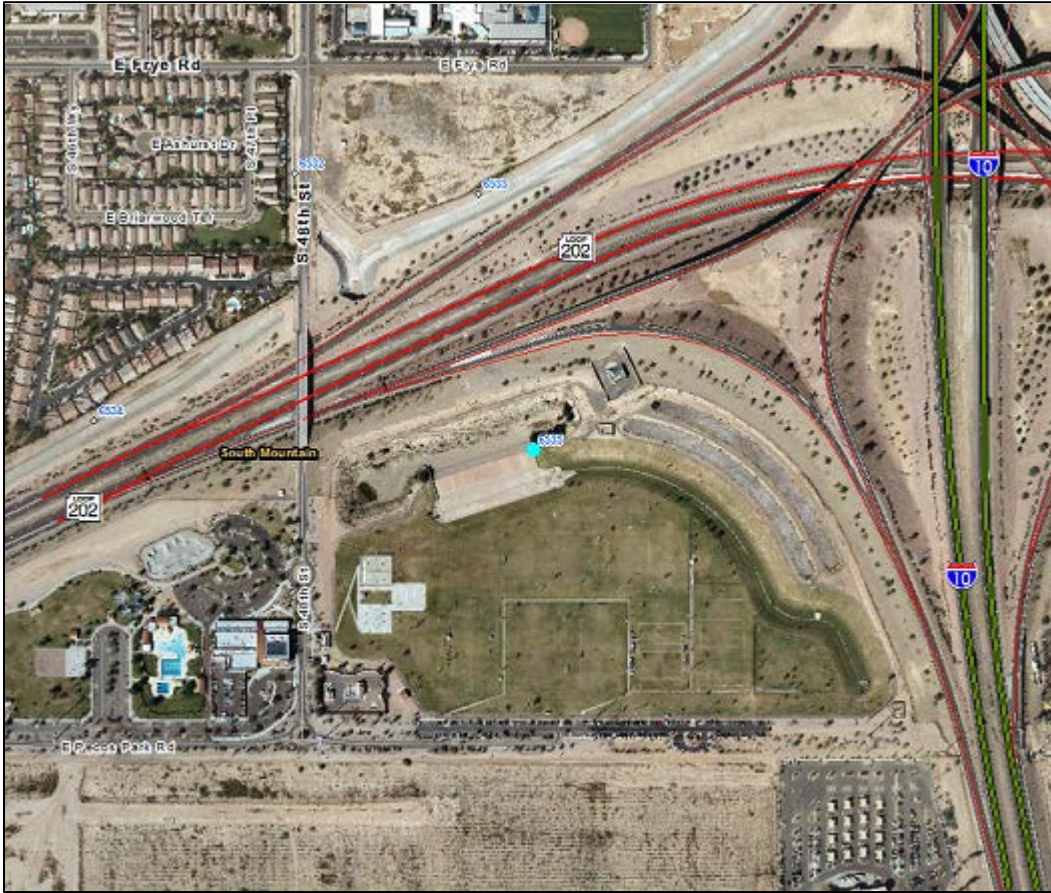
Pecos Basin Pool, ID #6538



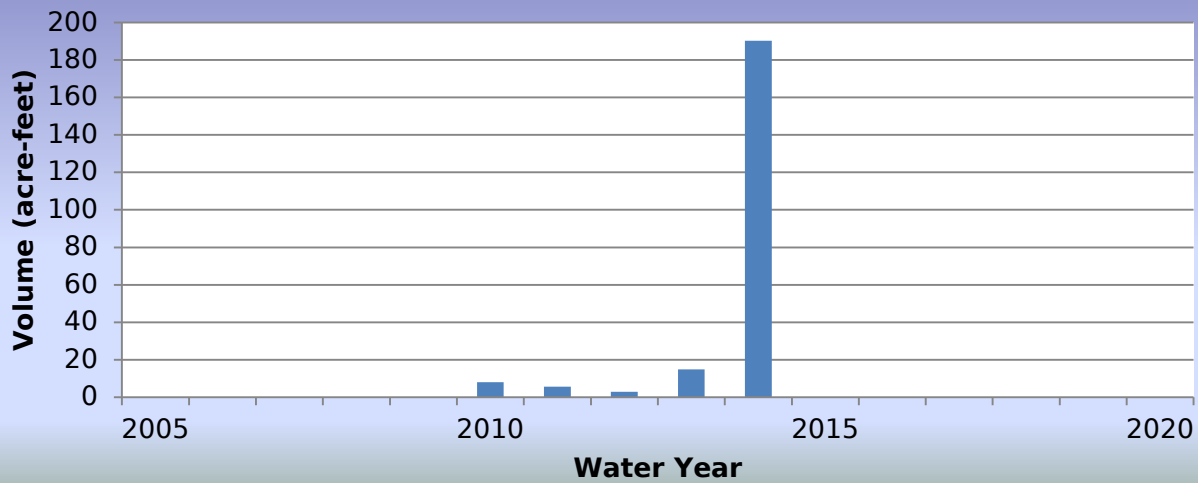
Site Data

LOCATION	In Pecos Park near 48th Street and Loop 202
DRAINAGE AREA	5.0 mi ²
STREAM TYPE	Engineered Drainage System
JURISDICTION	Phoenix, Arizona
WATERSHED	South Mountain
SECTION/TOWNSHIP/RANGE	S32 T1S R4E
LATITUDE	N 33° 17' 38.3" +33.29369
LONGITUDE	W 111° 58' 39.0" -111.97751
STREAMGAGE INSTALLATION DATE	01/06/2009 - WY 2009
AVAILABLE PERIOD OF RECORD	01/06/2009 - Current
LENGTH OF AVAILABLE POR DATA	7.73 Years 2,825 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	6.05 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,140.00 feet M.S.L.
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



Pecos Basin Pool - water year peaks



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

There were no recorded impoundments during Water Year 2016.

Pecos Basin Pool, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

Pecos Basin Pool, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	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 2016	MEAN	0	MAX	0	MIN	0						

Pecos Basin Pool, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
4	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
6	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
10	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
11	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
12	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
13	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
14	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
15	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
16	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
17	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
18	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
19	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
20	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
21	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
22	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
23	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
24	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
25	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
26	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
27	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
28	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
29	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
30	6.0	6.0	6.0	6.0	---	6.0	6.0	6.0	6.0	6.0	6.0	6.0
31	6.0	---	6.0	6.0	---	6.0	---	6.0	---	6.0	6.0	---
MEAN	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
MAX	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
MIN	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
WTR YR 2016	MEAN	6.05	MAX	6.05	MIN	6.05						

South Mountain Fan, ID #6563



Site Data

LOCATION	Located in the western part of South Mountain Park
DRAINAGE AREA	2.1 mi²
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	06/09/1993 - Current
LENGTH OF AVAILABLE POR DATA	23.31 Years 8,515 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.05 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,276.74 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,586 cfs 3.85 feet 08/12/2014

2016 Events

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

Hydrograph of peak WY 2016 flow event

No runoff recorded during Water Year 2016.

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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	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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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

East Maricopa Floodway at Broadway Road, ID #6573



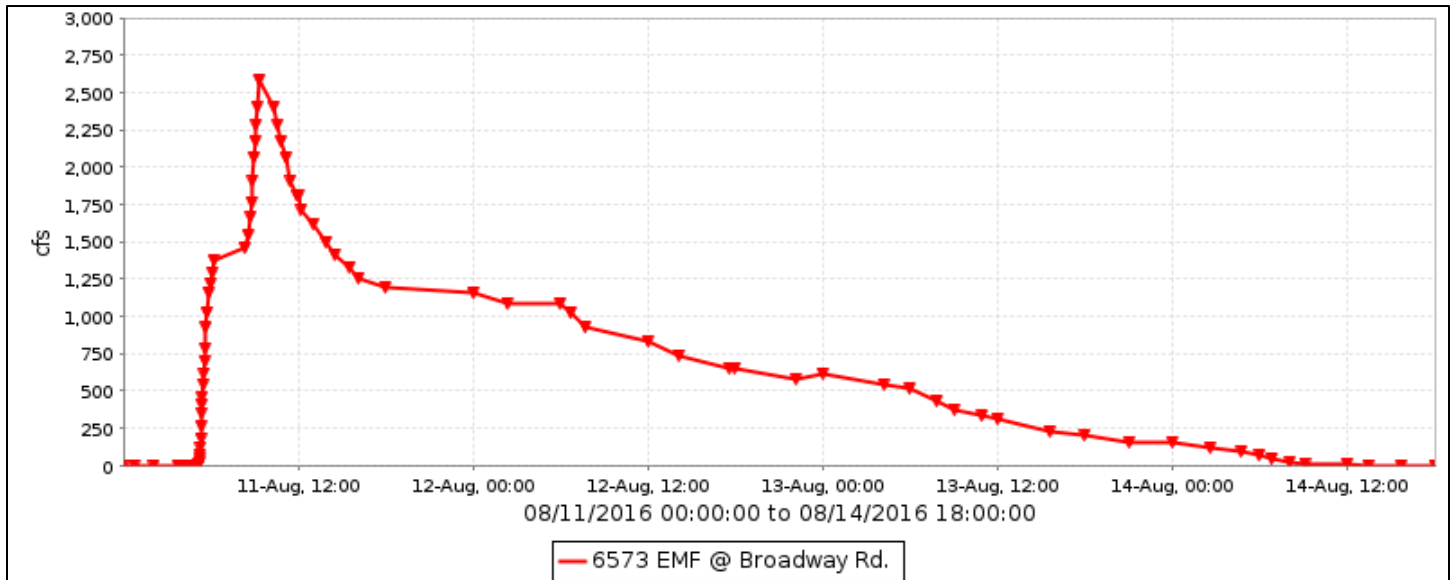
Site Data

LOCATION	Located about 1,000 feet south of Broadway Road, east of Higley Road
DRAINAGE AREA	15.4 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	09/03/1990 - Current
LENGTH OF AVAILABLE POR DATA	26.08 Years 9,525 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	-3.97 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	4,292 cfs 5.08 feet GH 09/07/2012

2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/07/2016	1.94	697
08/03/2016	1.89	656
08/09/2016	1.16	232
08/11/2016	3.94	2,578

Hydrograph of peak WY 2016 flow event, 08/11/2016



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
726	1,760	2,720	3,850	5,620	7,180

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

EMF at Broadway Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3											453	
4											193	
5											15	
6				127								
7				255								
8				74								
9				3							56	
10											1	
11											1146	
12											867	
13											370	
14											41	
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30							---					
31		---					---		---			---
TOTAL	0	0	0	459	0	0	0	0	0	0	3143	0
MEAN	0	0	0	15	0	0	0	0	0	0	101	0
MAX	0	0	0	697	0	0	0	0	0	0	2578	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	911	0	0	0	0	0	0	6234	0
WTR YR 2016	TOTAL	3602	MEAN	10	MAX	2578	MIN	0	AC_FT	7145		

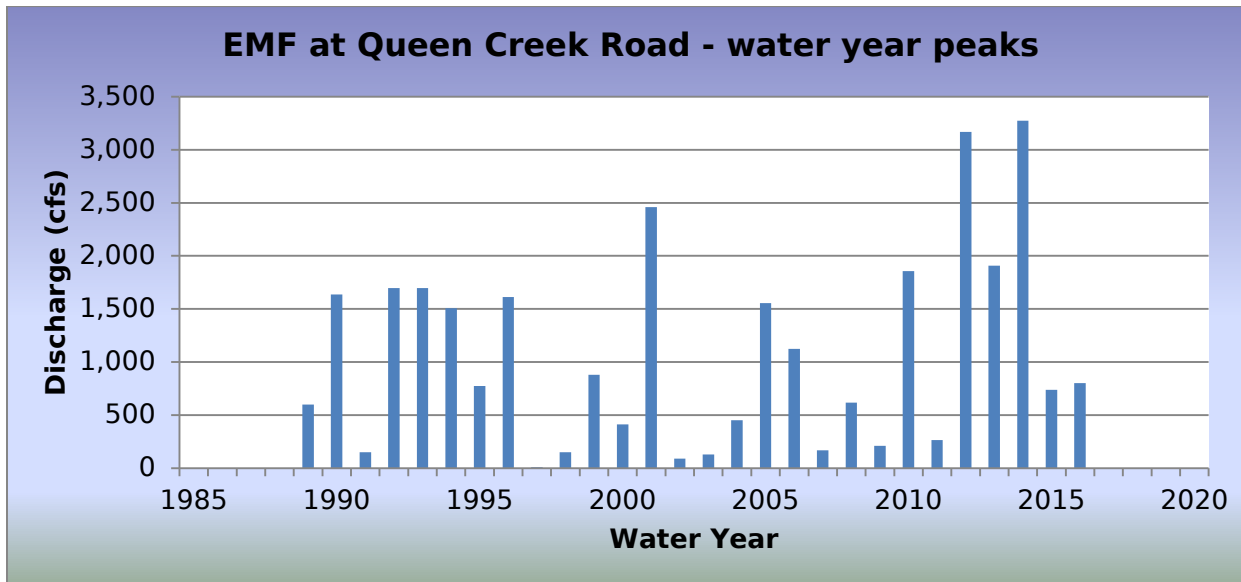
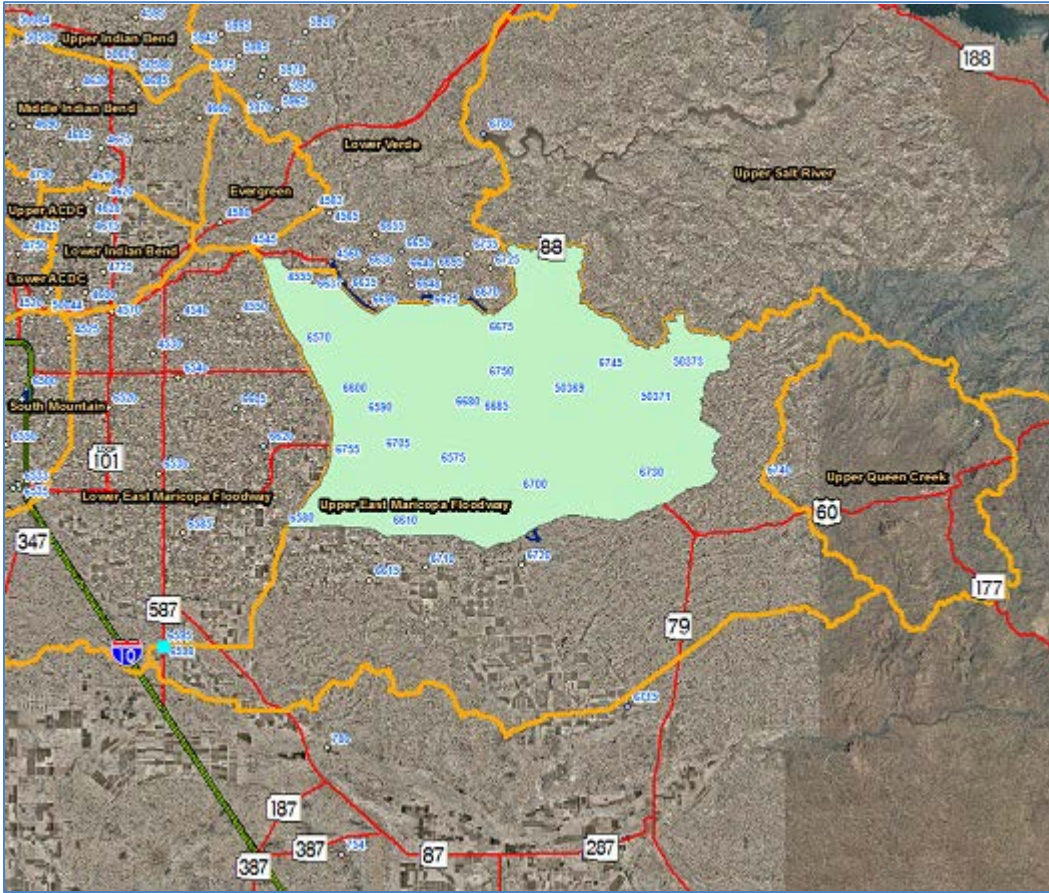
East Maricopa Floodway at Queen Creek Road, ID #6583



Site Data

LOCATION	West of the Higley and Queen Creek Roads intersection
DRAINAGE AREA	105 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	01/18/1989 - current
LENGTH OF AVAILABLE POR DATA	27.70 Years 10,118 Days
GAPS (> 2 DAYS) IN RECORD	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	1,303.51 feet M.S.L.
POINT OF ZERO FLOW	-1.6 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,274 cfs 4.96 feet 09/08/2014

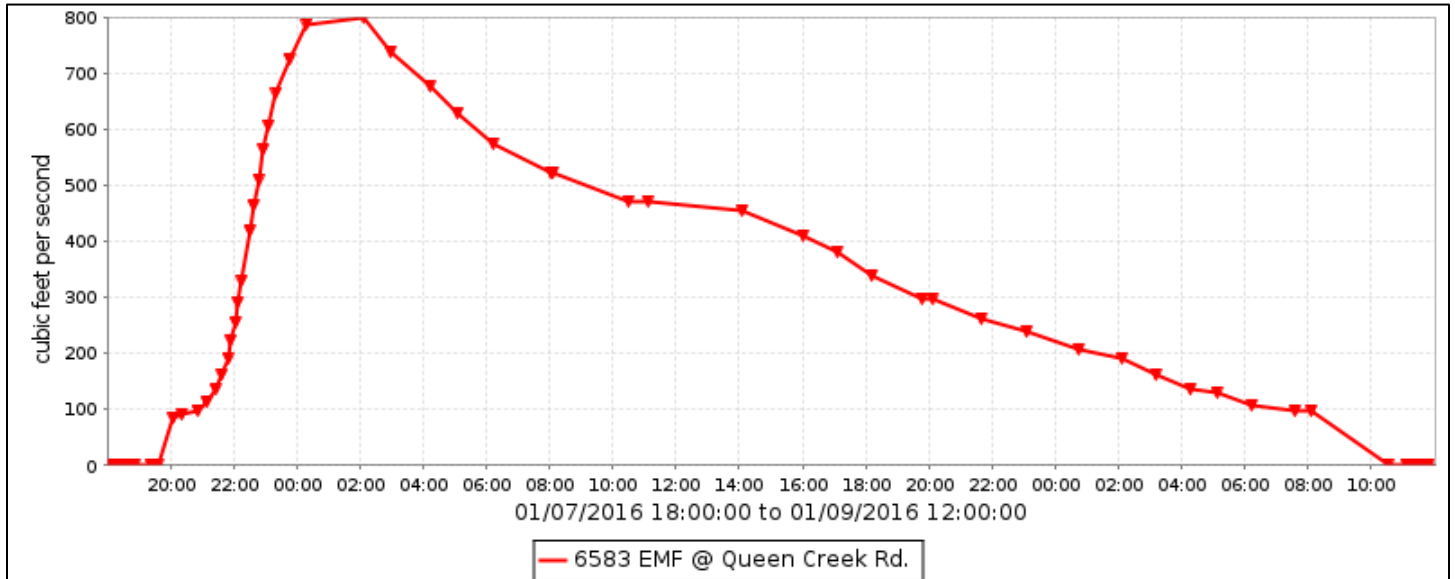
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/08/2016	2.26	800
08/09/2016	1.78	520

Hydrograph of peak WY 2016 flow event, 01/08/2016



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
706	1,810	2,820	3,970	5,690	7,130

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

EMF at Queen Creek Road, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				52								
8				499								
9				63							126	
10											161	
11											58	
12											6	
13												
14										1		
15												
16						---						
17						---						
18						---						
19						---						
20						---						
21												
22												
23												
24												
25												
26												
27												
28												
29												
30						---						
31		---				---		---		---		---
TOTAL	0	0	0	614	0	0	0	0	0	1	351	0
MEAN	0	0	0	20	0	0	0	0	0	0	11	0
MAX	0	0	0	800	0	0	0	0	0	33	520	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	1218	0	0	0	0	0	2	696	0
WTR YR 2016	TOTAL	966	MEAN	3	MAX	800	MIN	0	AC_FT	1916		

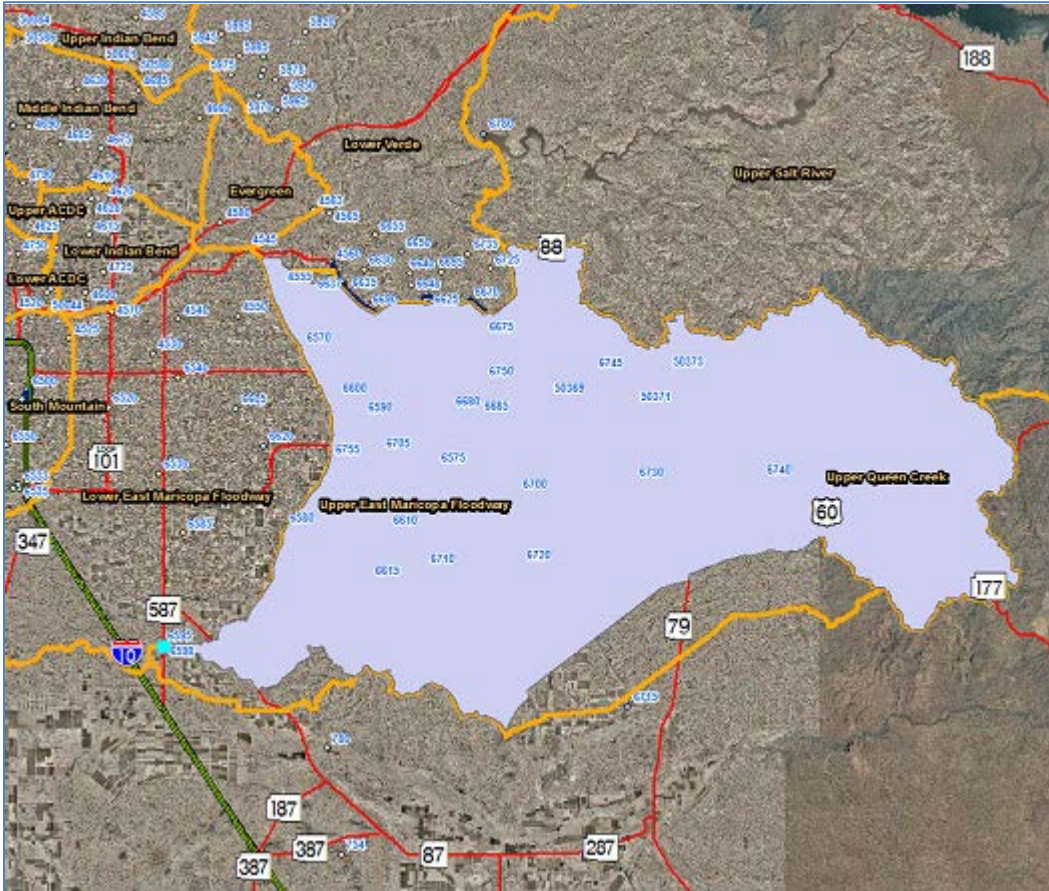
East Maricopa Floodway at Arizona Avenue, ID #6598



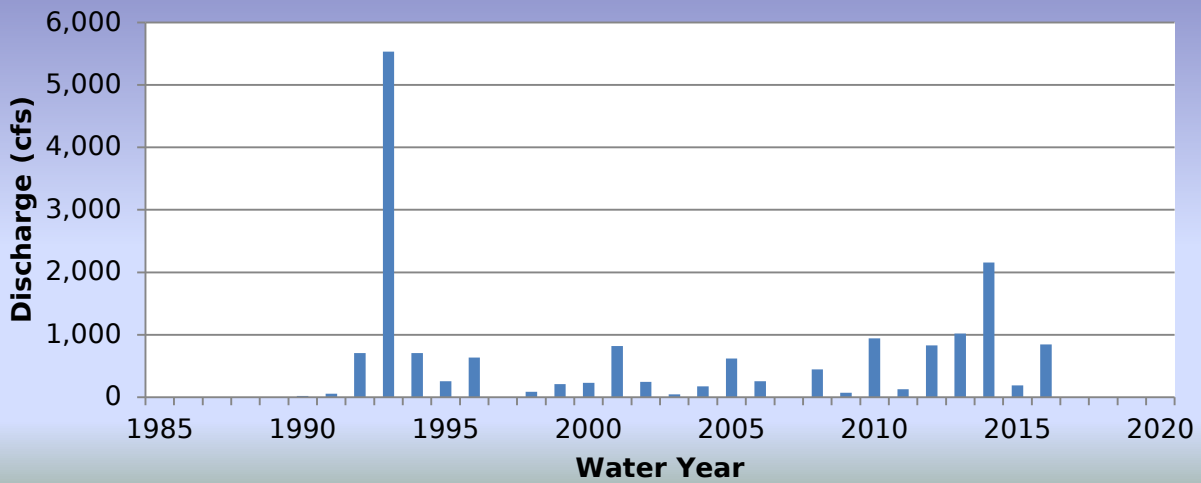
Site Data

LOCATION	On Arizona Avenue (SR 587) about 2 miles south of Sun Lakes
DRAINAGE AREA	668 mi ² (including Queen Creek)
STREAM TYPE	Engineered Channel
JURISDICTION	Gila River Indian Community
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S16 T3S R5E
LATITUDE	N 33° 10' 07.8" +33.16882
LONGITUDE	W 111° 50' 27.7" -111.84102
STREAMGAGE INSTALLATION DATE	02/10/1989 - WY 1989
AVAILABLE PERIOD OF RECORD	02/10/1989 - Current
LENGTH OF AVAILABLE POR DATA	27.64 Years 10,095 Days
GAPS (> 2 DAYS) IN RECORD	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



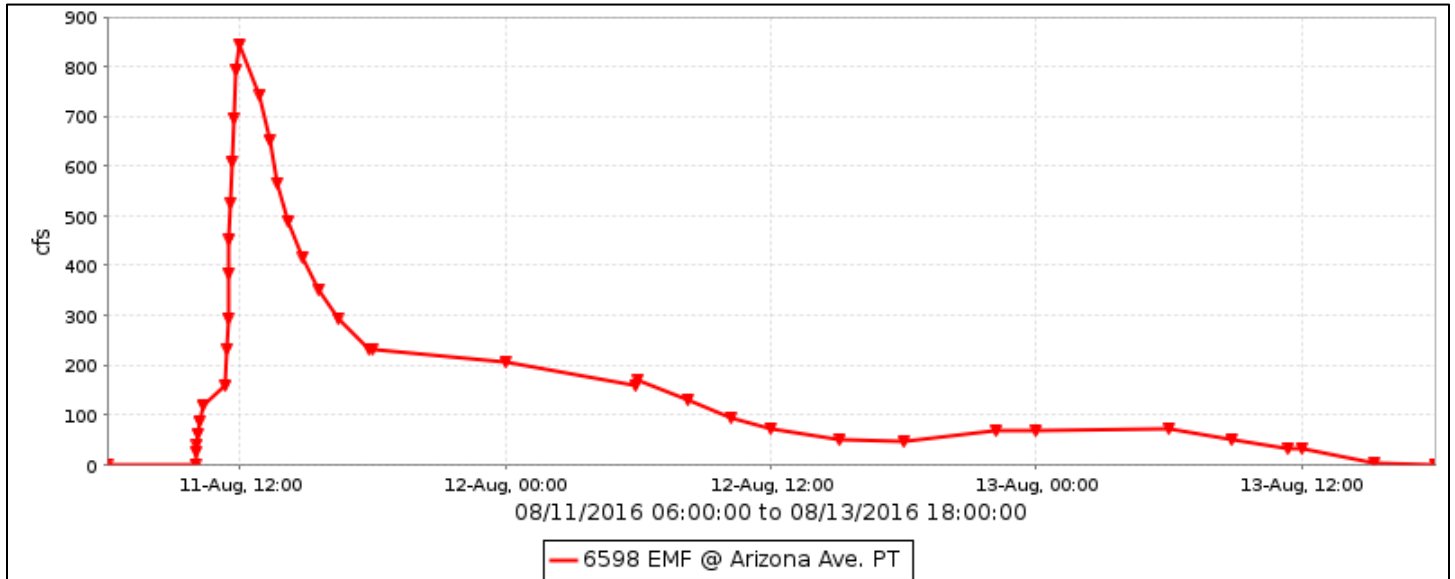
EMF at Arizona Avenue - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/03/2016	1.09	353
08/11/2016	1.69	842

Hydrograph of peak WY 2016 flow event, 08/11/2016



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
270	848	1,510	2,420	4,050	5,680

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

EMF at Arizona Avenue, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---										
2											6	
3											147	
4											46	
5											30	
6												
7												
8				320								
9				378								
10				182								
11											203	
12											113	
13											36	
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29	---											
30	---				---							
31	---	---			---		---		---			---
TOTAL	0	0	0	880	0	0	0	0	0	0	579	0
MEAN	0	0	0	28	0	0	0	0	0	0	19	0
MAX	0	0	0	511	0	0	0	0	0	0	842	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	1746	0	0	0	0	0	0	1148	0
WTR YR 2016	TOTAL	1459	MEAN	4	MAX	842	MIN	0	AC_FT	2895		

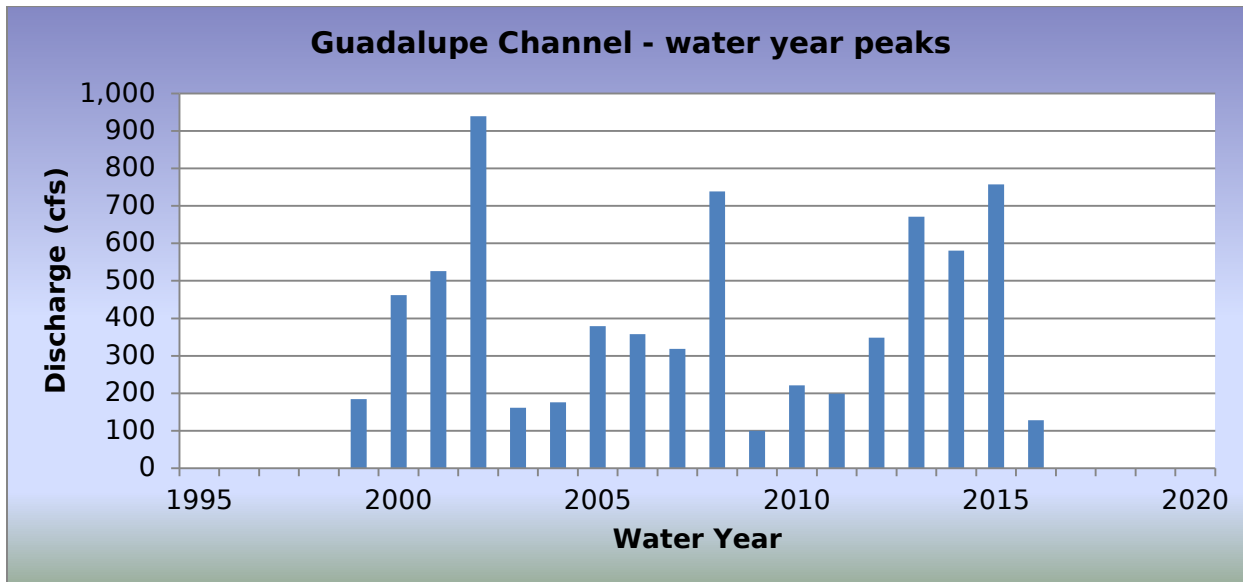
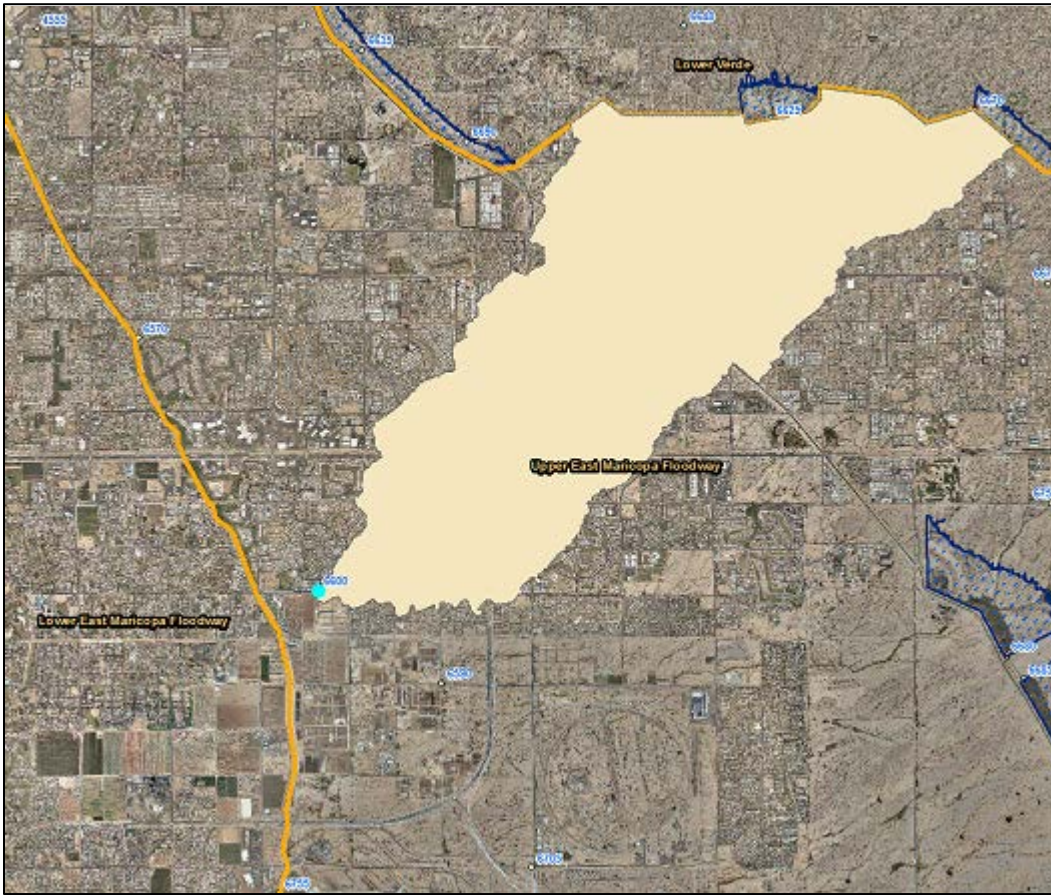
Guadalupe Road Channel, ID #6603



Site Data

LOCATION	On Guadalupe Road between Power and Sossaman Roads
DRAINAGE AREA	18.6 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Mesa, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S06 T1S R7E
LATITUDE	N 33° 21' 54.8" +33.36523
LONGITUDE	W 111° 40' 34.4" -111.67621
STREAMGAGE INSTALLATION DATE	08/07/1998 - WY 1998
AVAILABLE PERIOD OF RECORD	08/07/1998 - Current
LENGTH OF AVAILABLE POR DATA	18.15 Years 6,630 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,344.20 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	940 cfs 2.88 feet 07/23/2002

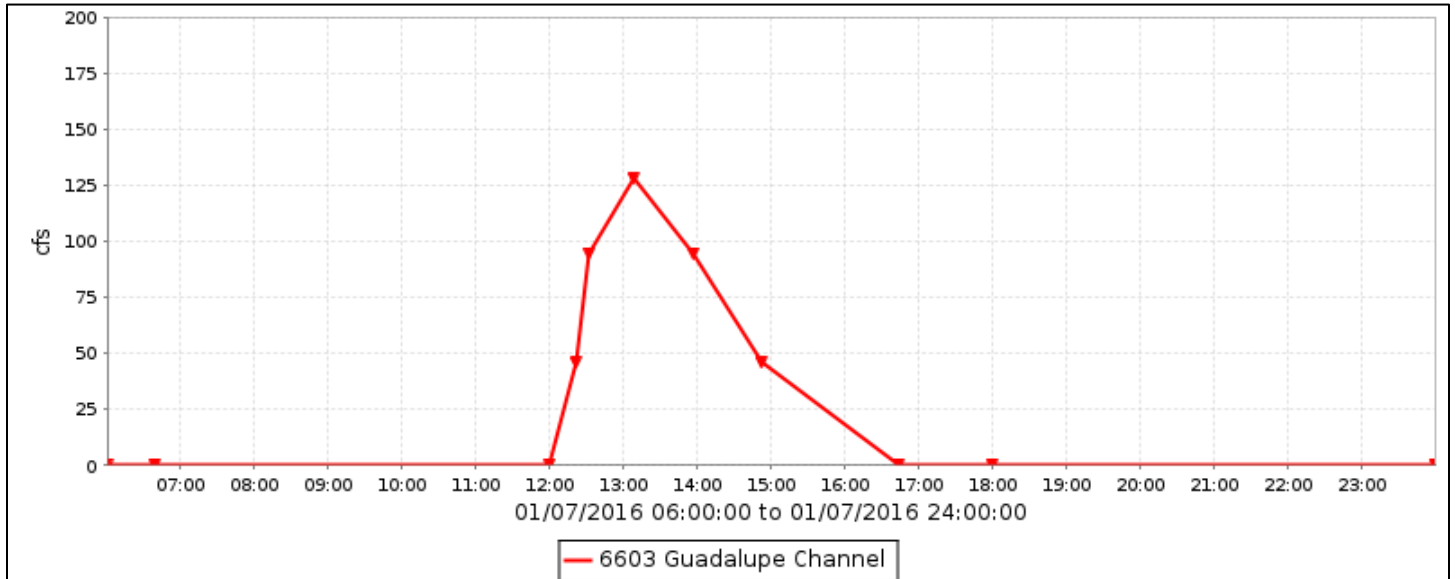
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/07/2016	0.89	128

Hydrograph of peak WY 2016 flow event, 01/07/2016



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
320	563	751	947	1,220	1,450

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

Guadalupe Road Channel, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4													
5													
6						---							
7				14									
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	14	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	128	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	28	0	0	0	0	0	0	0	0	
WTR YR 2016	TOTAL		14	MEAN		0	MAX	128	MIN		0	AC_FT	28

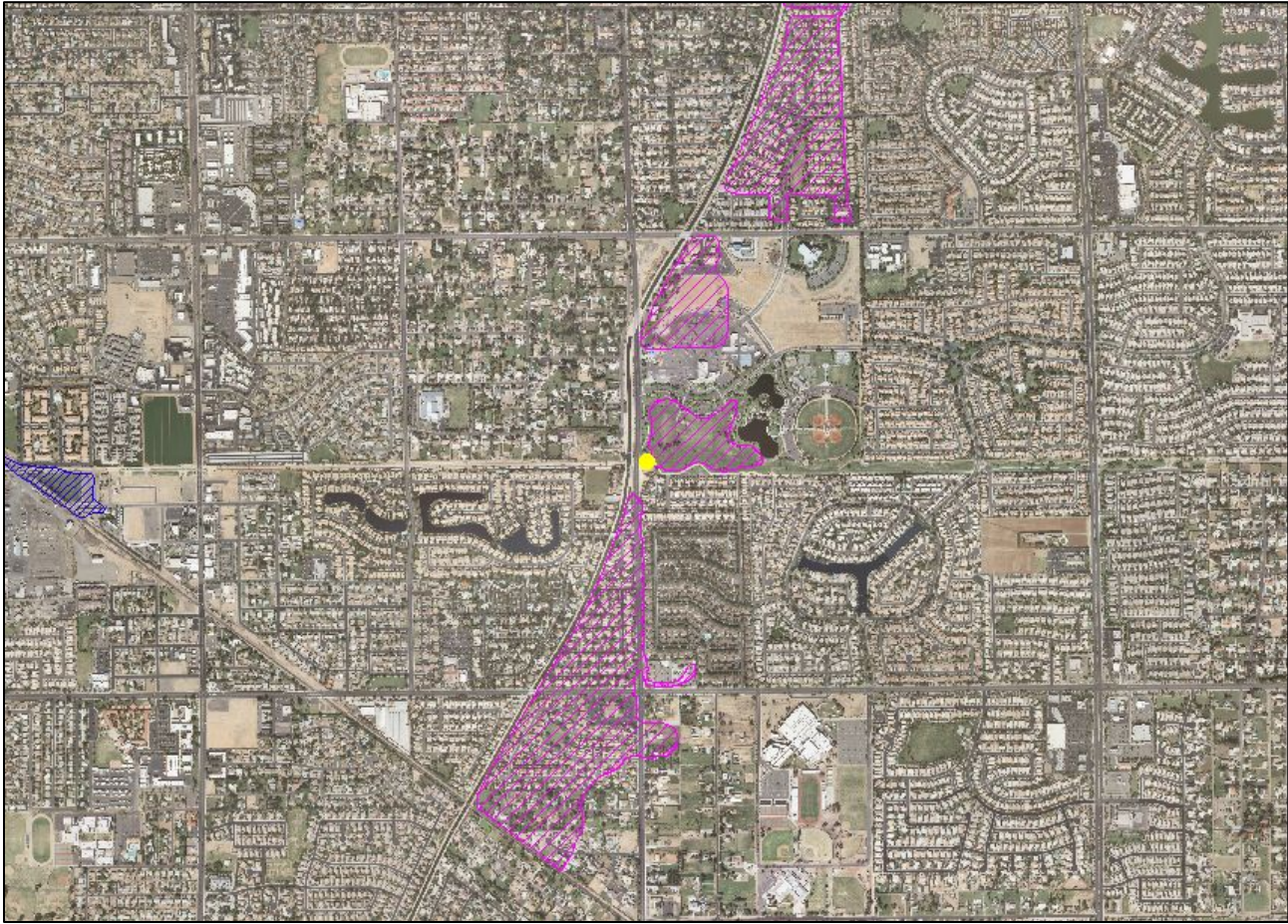
Freestone Basin, ID #6608



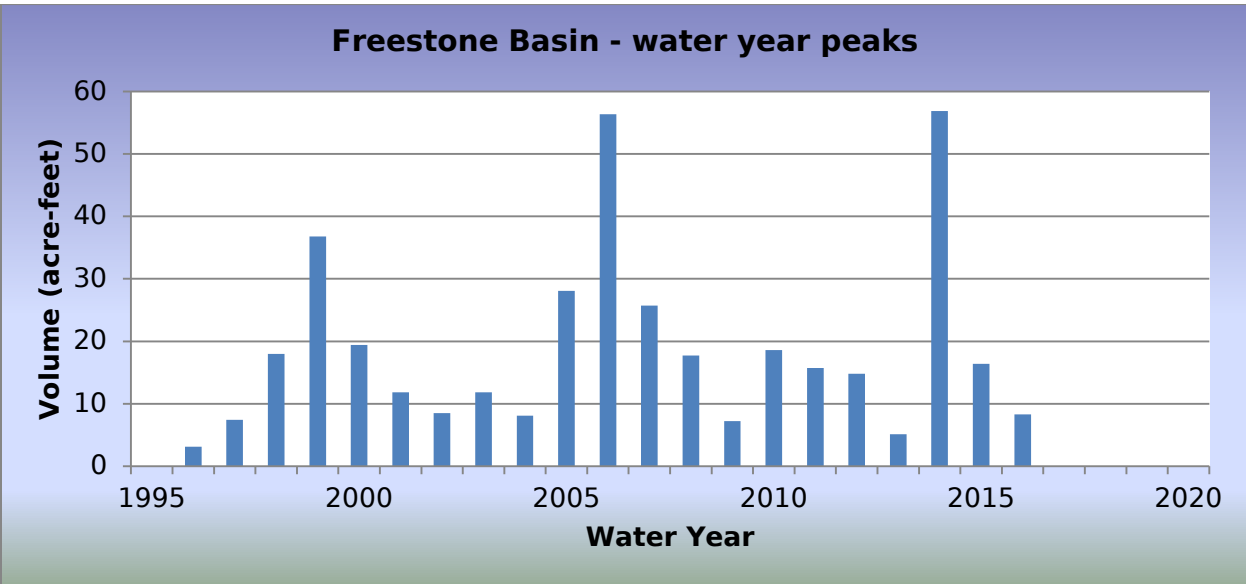
Site Data

LOCATION	Near Lindsay Road south of Guadalupe Road
DRAINAGE AREA	2.2 mi ²
STREAM TYPE	Flood control basin
JURISDICTION	Gilbert, Arizona
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S08 T1S R6E
LATITUDE	N 33° 21' 26.4" +33.35734
LONGITUDE	W 111° 46' 21.9" -111.77274
STREAMGAGE INSTALLATION DATE	12/19/1995 - WY 1996
AVAILABLE PERIOD OF RECORD	12/19/1995 - Current
LENGTH OF AVAILABLE POR DATA	20.79 Years 7,592 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.83 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,217.49 feet M.S.L.
POINT OF ZERO FLOW	None - Pump Control
SPILLWAY CREST ELEVATION	None
TOP OF BASIN ELEVATION	25.0 feet Gage Height

Location Map



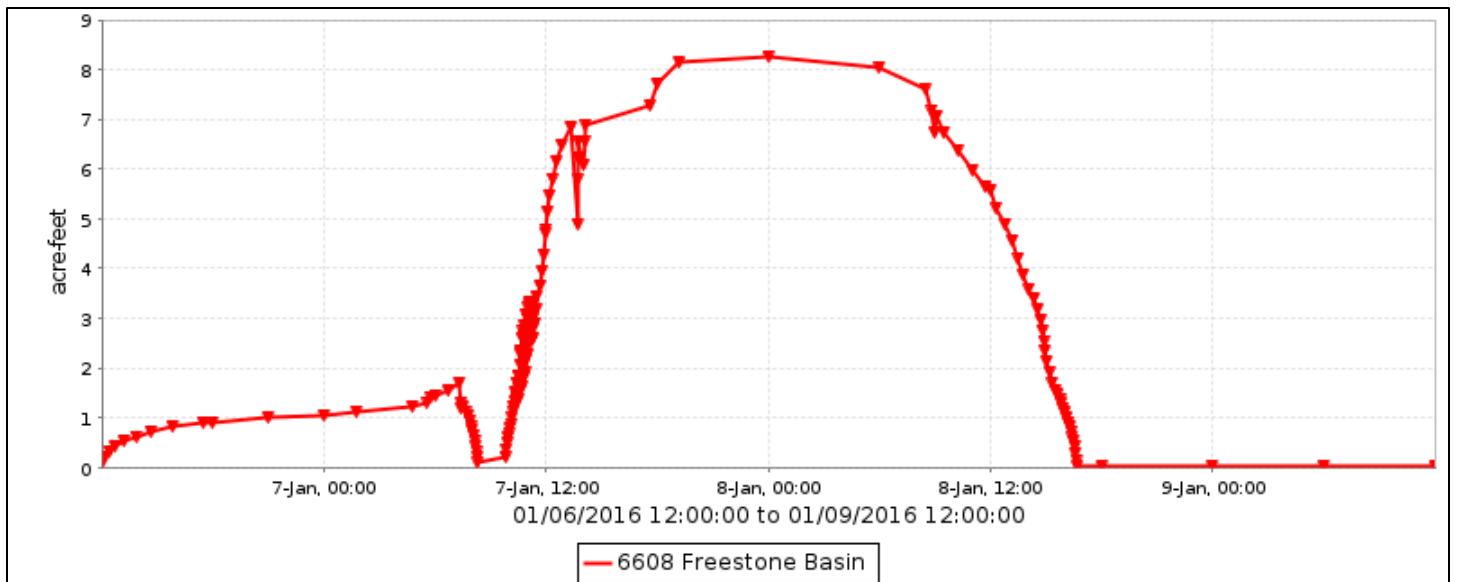
Freestone Basin - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/17/2015	4.55	1.7	2.6
11/16/2015	5.27	3.2	3.7
12/14/2015	4.38	1.5	2.3
01/06/2016	5.85	4.9	4.6
01/07/2016	6.77	8.3	6.0
08/03/2016	4.75	2.1	2.9
08/04/2016	6.10	5.7	5.0
08/11/2016	4.38	1.5	2.3
08/23/2016	4.43	1.4	2.3
09/06/2016	4.23	1.4	2.1

Hydrograph of peak WY 2016 impoundment event, 01/07/2016



Freestone Basin, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											1	
2											1	
3											3	1
4				1						1	2	1
5				1								1
6				2							1	1
7				4							1	
8				5			1				1	
9											1	
10							1			1	1	
11							1			1	1	1
12			1				1				1	
13			1				1				1	
14			1				1				1	
15		1	1				1				1	
16		1										
17	1											
18	1											
19												
20												
21											1	
22											1	
23									1			
24									1			
25									1	1		
26									1			
27									1			
28											1	
29									1			
30					---				1	1		
31		---			---		---		---	1		---
MEAN	0	0	0	1	0	0	0	0	0	0	1	0
MAX	2	3	2	8	1	0	2	0	1	2	6	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	8	MIN	0					

Freestone Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.9	2.9	2.9	3.0	2.9	2.9	2.8	2.8	3.0	3.4	2.9
2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.9	3.4	2.9
3	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	3.2	4.5	3.5
4	2.9	2.9	2.9	3.2	2.9	2.9	2.9	2.8	2.9	3.4	4.2	3.8
5	2.9	2.9	2.9	4.0	2.9	2.9	2.9	2.8	2.9	3.0	2.9	4.0
6	2.9	2.9	2.9	4.4	2.9	2.9	2.9	2.8	2.9	2.9	3.5	3.2
7	2.9	2.9	2.9	5.3	2.9	2.9	2.9	2.8	2.9	2.9	3.9	2.9
8	2.9	2.9	2.9	5.2	2.9	2.9	3.3	2.8	3.2	2.9	3.2	2.9
9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	3.0	2.9	3.5	2.9
10	2.9	2.9	2.9	2.9	2.9	2.9	3.2	2.8	3.1	3.4	3.2	3.2
11	2.9	2.9	2.9	2.9	2.9	2.9	3.9	2.8	2.9	3.3	3.9	3.3
12	2.9	2.9	3.5	2.9	2.9	2.9	3.9	2.8	2.9	2.9	3.3	3.0
13	2.9	2.9	3.5	2.9	2.9	2.9	3.8	2.8	3.1	2.9	3.4	2.9
14	2.9	2.9	3.9	2.9	2.9	2.9	3.8	2.8	2.9	2.9	3.8	2.9
15	2.9	3.6	3.5	2.9	2.9	2.9	3.3	2.8	2.9	2.9	3.5	2.9
16	3.0	3.9	2.9	2.9	2.9	2.9	2.9	2.8	3.0	2.9	3.0	2.9
17	3.6	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.9	3.1	3.0	3.1
18	3.4	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.9	3.0	2.9	2.9
19	3.0	2.9	3.1	2.9	2.9	2.9	2.9	2.8	3.0	2.9	2.9	3.0
20	2.9	2.9	3.1	2.9	2.9	2.9	2.9	2.8	3.2	3.0	3.2	2.9
21	2.9	2.9	2.9	2.9	2.9	2.9	3.1	2.8	3.0	3.0	3.6	2.9
22	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	3.1	2.9	3.2	3.0
23	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	3.4	2.9	3.1	3.0
24	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	3.4	3.0	3.0	2.9
25	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	3.4	3.3	2.9	2.9
26	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	3.3	2.9	2.9	2.9
27	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	3.2	3.1	3.2	2.9
28	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	3.0	3.0	3.6	2.9
29	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	3.3	2.9	3.1	2.9
30	2.9	2.9	2.9	2.9	---	2.9	2.8	2.8	3.2	3.6	2.9	2.9
31	2.9	---	2.9	2.9	---	2.9	---	2.8	---	3.7	2.9	---
MEAN	2.9	2.9	3.0	3.1	2.9	2.9	3.0	2.8	3.0	3.0	3.3	3.0
MAX	4.5	5.3	4.6	6.8	3.4	3.1	4.5	2.8	4.0	4.5	6.2	4.2
MIN	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.9	2.9	2.9
WTR YR 2016	MEAN	2.99	MAX	6.77	MIN	2.83						

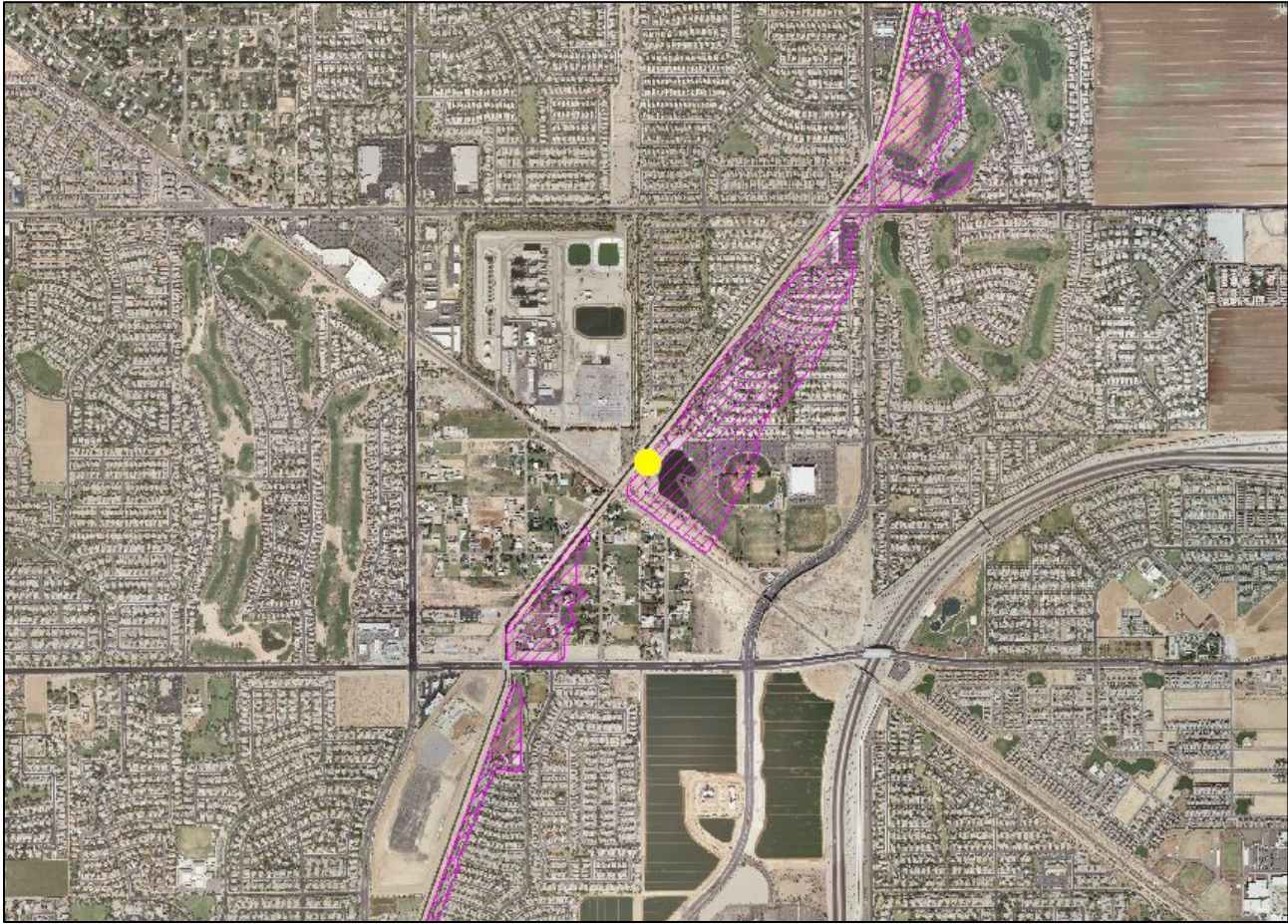
Crossroads Park Basin, ID #6623



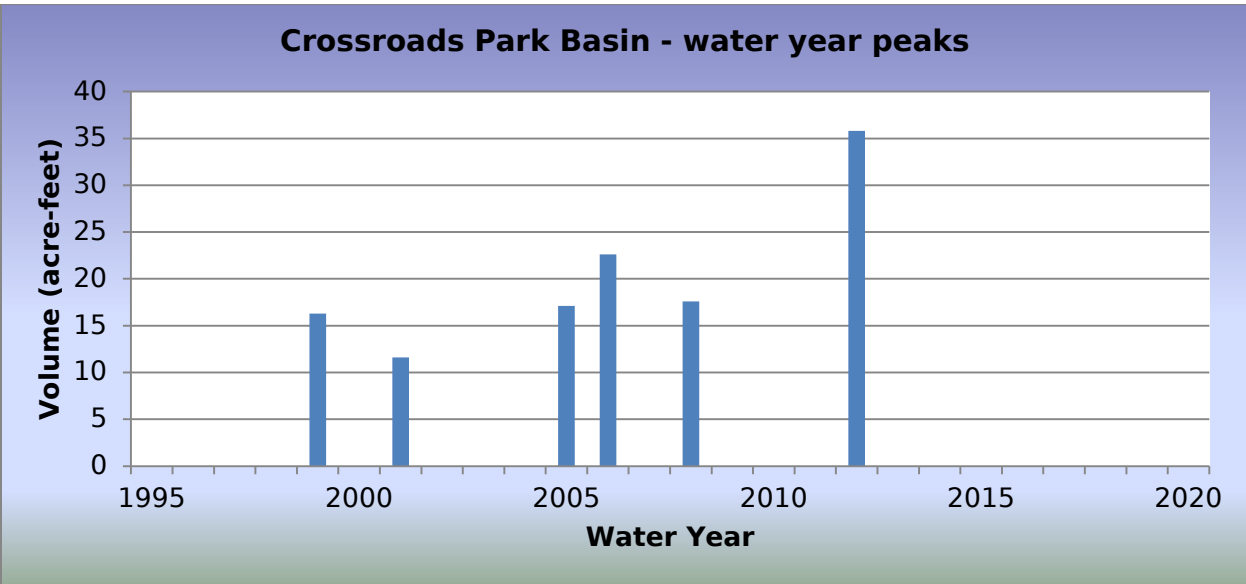
Site Data

LOCATION	Near Greenfield and Ray Roads
DRAINAGE AREA	15.7 mi ²
STREAM TYPE	Flood control basin
JURISDICTION	Gilbert, Arizona
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S21 T1S R6E
LATITUDE	N 33° 19' 39.7" +33.32770
LONGITUDE	W 111° 44' 47.9" -111.74665
STREAMGAGE INSTALLATION DATE	12/18/1995 - WY 1996
AVAILABLE PERIOD OF RECORD	12/18/1995 - Current
LENGTH OF AVAILABLE POR DATA	20.79 Years 7,593 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	1.33 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,246.67 feet M.S.L.
POINT OF ZERO FLOW	None - Pump Control
SPILLWAY CREST ELEVATION	None
TOP OF BASIN ELEVATION	23.3 feet Gage Height

Location Map



Crossroads Park Basin - water year peaks



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

There were no impoundments above the base lake level recorded in Water Year 2016.

Crossroads Park, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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 2016	MEAN	0	MAX	0	MIN	0						

Crossroads Park Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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
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	1.3	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	1.4	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
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	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
18	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
19	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
20	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
21	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
22	1.3	1.3	1.4	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	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
25	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
26	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
27	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
28	1.3	1.3	1.4	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
31	---	---	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	1.4	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 2016	MEAN	1.33	MAX	1.40	MIN	1.33						

Signal Butte FRS, ID #6628



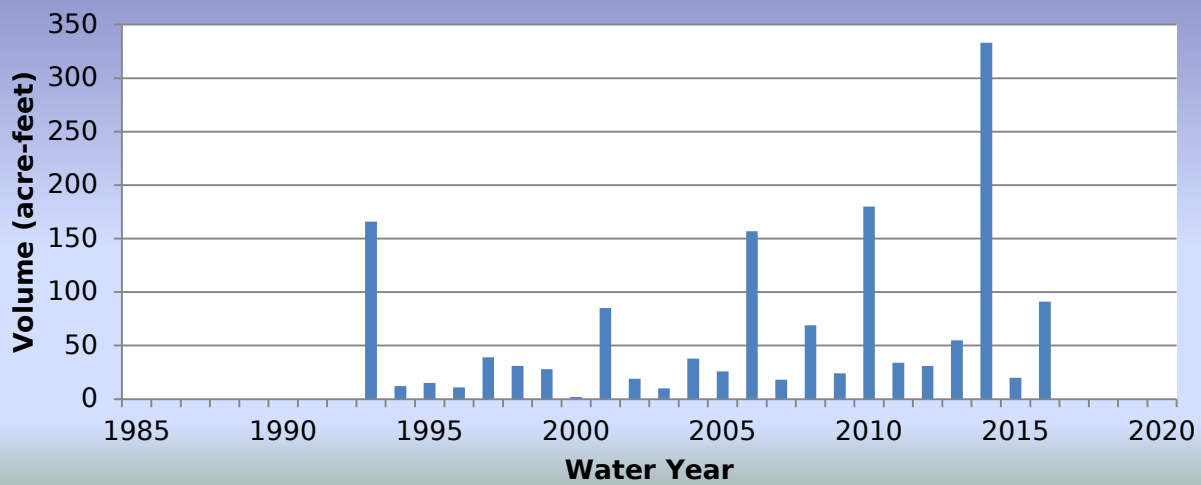
Site Data

LOCATION	Located north of Brown Road between Meridian and Signal Butte Roads
DRAINAGE AREA	16.4 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S12 T1N R7E
LATITUDE	N 33° 26' 24.2" +33.44005
LONGITUDE	W 111° 35' 25.1" -111.59031
STREAMGAGE INSTALLATION DATE	11/10/1987 - WY 1988
AVAILABLE PERIOD OF RECORD	11/10/1987 - Current
LENGTH OF AVAILABLE POR DATA	28.89 Years 10,553 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	-0.25 feet Gage Height
STAFF GAGES	8
ZERO GAGE HEIGHT ELEVATION	1,687.39 feet NAVD 1988
POINT OF ZERO FLOW (GATED OUTLET)	0.0 feet Gage Height
POINT OF ZERO FLOW (UNGATED OUTLET)	15.4 feet Gage Height
SPILLWAY ELEVATION	26.9 feet Gage Height
TOP OF DAM ELEVATION	37.0 feet Gage Height

Watershed Map



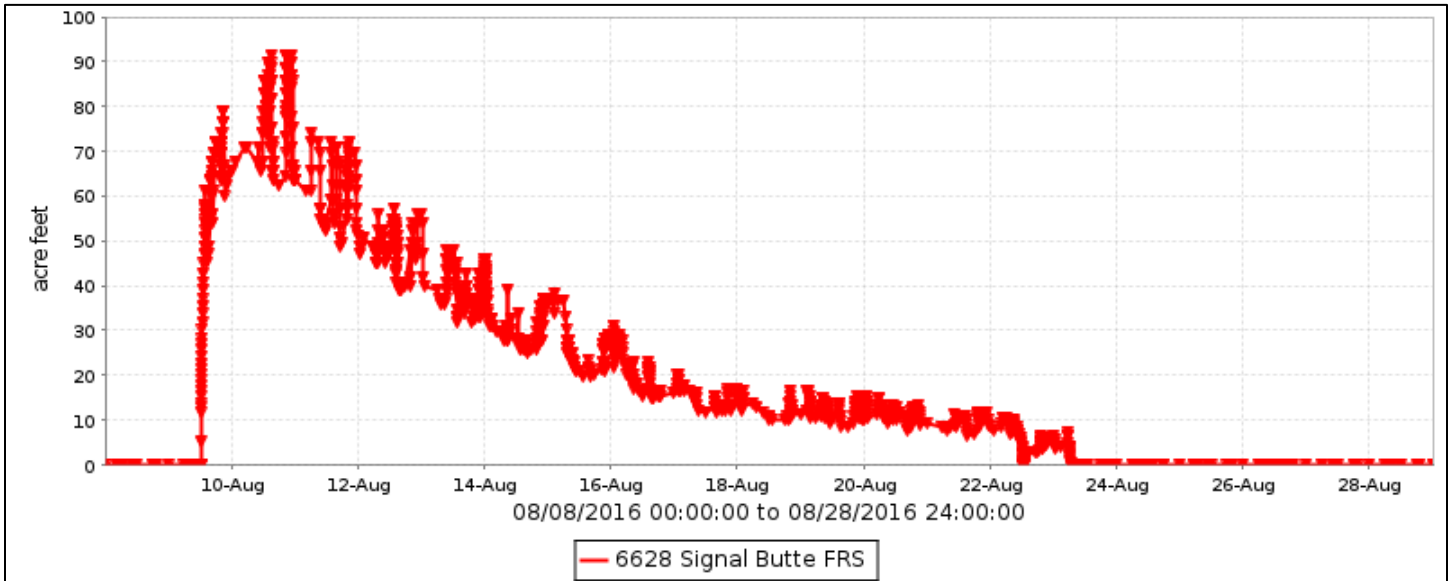
Signal Butte FRS - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	3.07	9.0	0.5
07/29/2016	2.29	3.0	0.3
08/10/2016	8.01	91.0	5.6

Hydrograph of peak WY 2016 impoundment event, 08/10/2016



Signal Butte FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

Signal Butte FRS, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				3								
8				6								
9				4							29	
10				3							71	
11				2							63	
12				1							47	
13											39	
14											30	
15											27	
16											19	
17											14	
18											12	
19											11	
20											11	
21											9	
22											6	
23											1	
24												
25												
26												
27												
28												
29												
30						---				2		
31		---				---		---				---
MEAN	0	0	0	1	0	0	0	0	0	0	13	0
MAX	0	0	0	9	0	0	0	0	0	3	91	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		1	MAX	91	MIN	0					

Signal Butte FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	1.4	-0.2
2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	1.3	-0.2
3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	1.2	-0.2
4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	1.0	-0.2
5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.8	-0.2
6	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.6	-0.2
7	-0.2	-0.2	-0.2	1.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.4	-0.2
8	-0.2	-0.2	-0.2	2.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.2	-0.2
9	-0.2	-0.2	-0.2	2.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	3.3	-0.2
10	-0.2	-0.2	-0.2	2.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	7.2	-0.2
11	-0.2	-0.2	-0.2	2.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	6.8	-0.2
12	-0.2	-0.2	-0.2	0.9	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	6.1	-0.2
13	-0.2	-0.2	-0.2	-0.1	-0.2	-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	-0.2	-0.2	-0.2	-0.2	-0.2	5.0	-0.2
15	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	4.7	-0.2
16	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	4.1	-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	3.5	-0.2
19	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	3.4	-0.2
20	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	3.4	-0.2
21	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	3.2	-0.2
22	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	2.7	-0.2
23	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	1.0	-0.2
24	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.4	-0.2
25	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.1	-0.2
26	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.1	-0.2
27	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.0	-0.2
28	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.2
29	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.0	-0.2	-0.2
30	-0.2	-0.2	-0.2	-0.2	---	-0.2	-0.2	-0.2	-0.2	1.9	-0.2	-0.2
31	-0.2	---	-0.2	-0.2	---	-0.2	---	-0.2	---	1.6	-0.2	---
MEAN	-0.2	-0.2	-0.2	0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	2.3	-0.2
MAX	-0.2	-0.2	-0.2	3.1	-0.2	-0.2	-0.2	-0.2	-0.2	2.3	8.0	-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 2016	MEAN	0.01	MAX	8.01	MIN	-0.25						

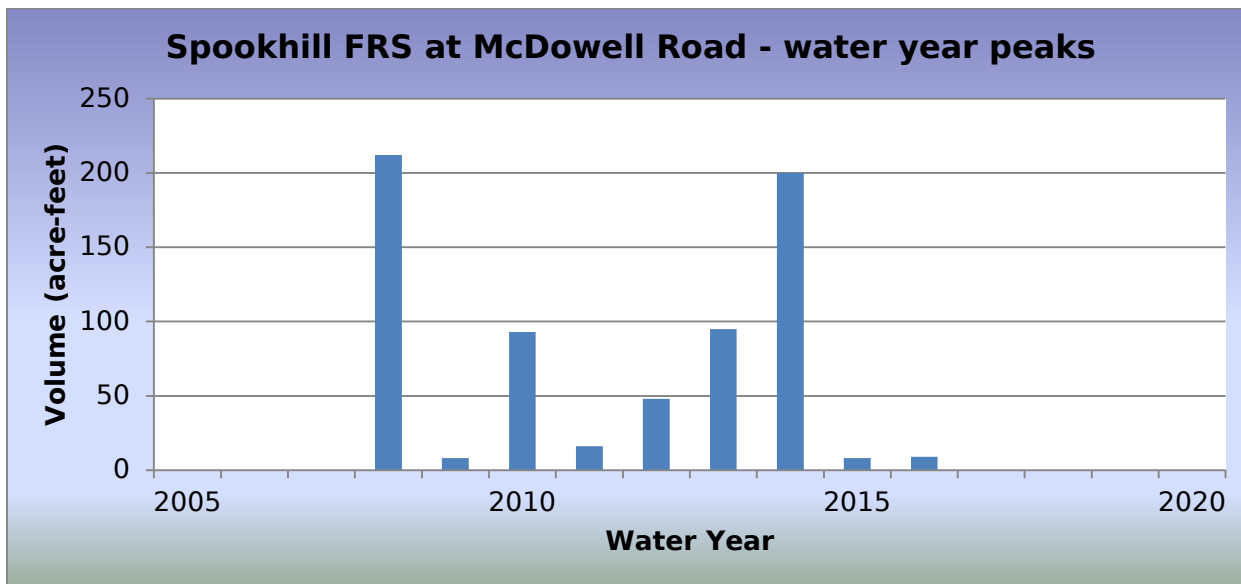
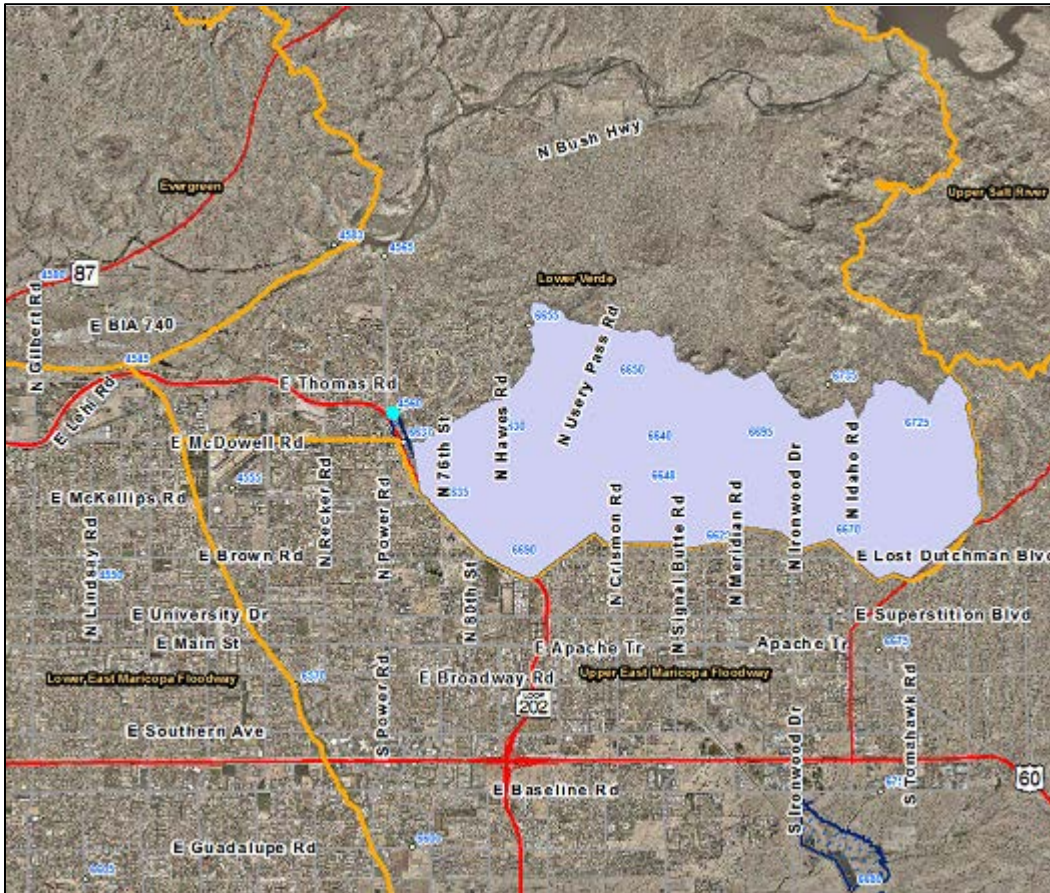
Spookhill FRS at McDowell Road, ID #6637



Site Data

LOCATION	Located at McDowell Road and the Loop 202
DRAINAGE AREA	13.6 mi ² at outlet gage
STREAM TYPE	Engineered Channel / Levee / Dam
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S06 T1N R7E
LATITUDE	N 33° 27' 57.4" +33.46594
LONGITUDE	W 111° 40' 42.0" -111.67834
STREAMGAGE INSTALLATION DATE	06/19/2008 - WY 2008
AVAILABLE PERIOD OF RECORD	06/19/2008 - Current
LENGTH OF AVAILABLE POR DATA	8.28 Years 3,026 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,569.50 feet NAVD 1988
POINT OF ZERO FLOW	0.00 feet Gage Height
DAM ELEVATIONS AS RELATED TO GAGE HEIGHT AT THIS SITE	
PRINCIPAL OUTLET ELEVATION	-1.4 feet Gage Height
OVERALL MINIMUM FREEWAY LEVEE ELEVATION	12.8 feet Gage Height
McDOWELL ROAD MINIMUM FREEWAY LEVEE ELEVATION	12.8 feet Gage Height
SPILLWAY ELEVATION	14.4 feet Gage Height

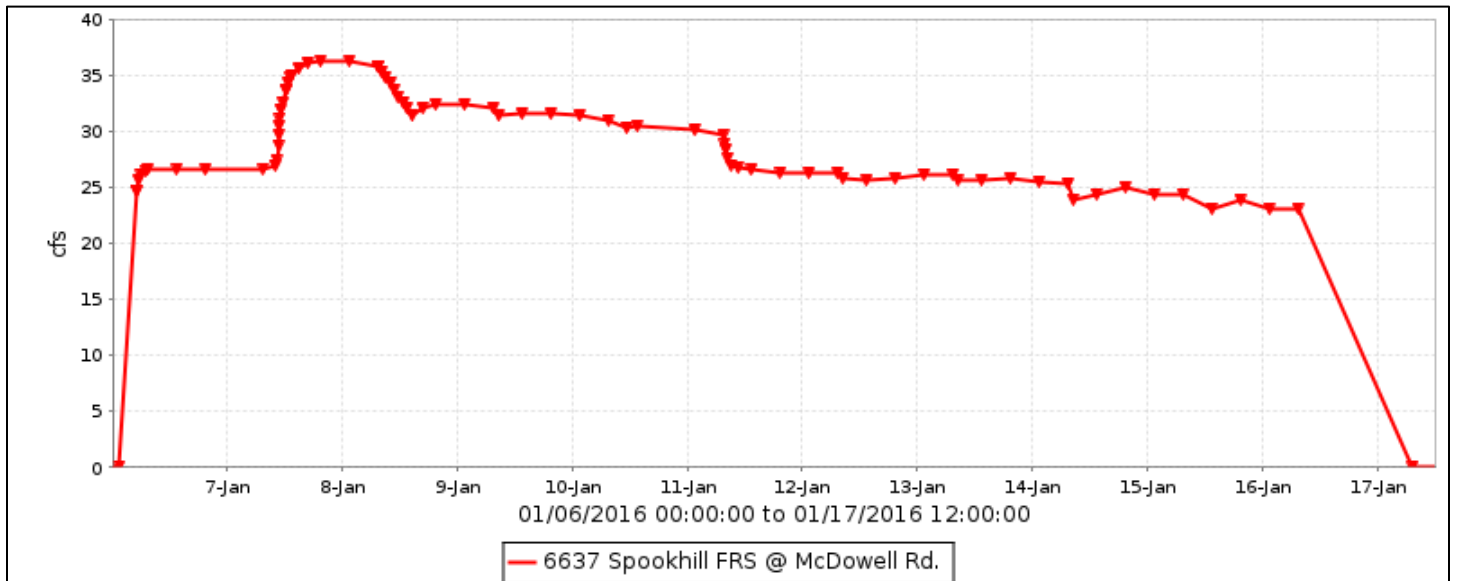
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	2.08	9.0	0.4
08/10/2016	1.89	7.9	0.3

Hydrograph of peak WY 2016 impoundment event, 01/07/2016



Spookhill FRS at McDowell Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6				21								
7				31								
8				34								
9				32							15	
10				31							32	
11				28							17	
12				26								
13				26								
14				25								
15				24								
16		12		23								
17		25		7								
18		10										
19												
20												
21												
22								---				
23								---	---			
24								---				
25												
26								---				
27												
28								---				
29												
30					---			---				
31		---			---		---	---	---			---
TOTAL	0	47	0	307	0	0	0	0	0	0	65	0
MEAN	0	2	0	10	0	0	0	0	0	0	2	0
MAX	0	25	0	36	0	0	0	0	0	0	35	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	92	0	609	0	0	0	0	0	0	128	0
WTR YR 2016	TOTAL	418	MEAN	1	MAX	36	MIN	0	AC_FT	830		

Spookhill FRS at McDowell Road, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6				1								
7				5								
8				6								
9				4							2	
10				3							5	
11				1								
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22								---				
23								---	---			
24								---				
25												
26								---				
27												
28								---				
29												
30								---	---			
31		---					---	---	---			---
MEAN	0	0	0	1	0	0	0	0	0	0	0	0
MAX	0	0	0	9	0	0	0	0	0	0	8	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	9	MIN	0					

Spookhill FRS at McDowell Road, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
10	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
11	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
12	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.1	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
23	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
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
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
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	---	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	---	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
MAX	0.0	0.2	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WTR YR 2016	MEAN	0.03	MAX	2.08	MIN	0.00						

Spookhill FRS at McKellips Road, ID #6638



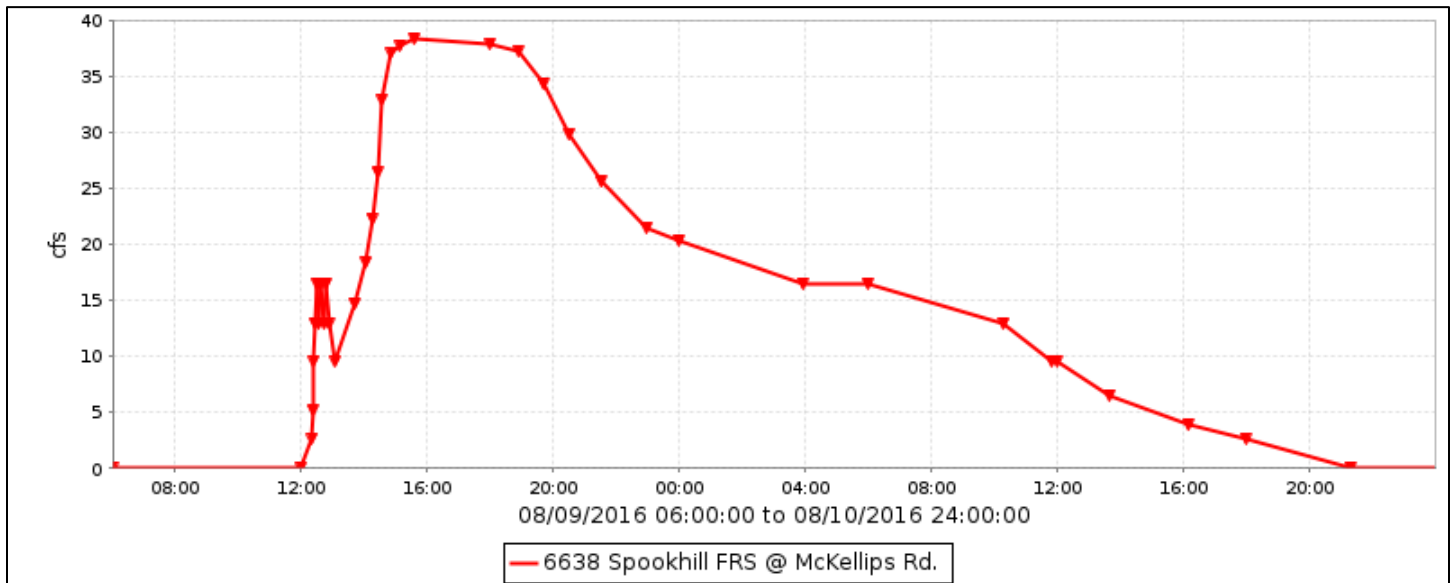
Site Data

LOCATION	Located at McKellips Road and the Loop 202
DRAINAGE AREA	13.6 mi ² at outlet gage
STREAM TYPE	Engineered Channel / Levee / Dam
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S07 T1N R7E
LATITUDE	N 33° 27' 04.7" +33.45131
LONGITUDE	W 111° 40' 03.4" -111.66761
STREAMGAGE INSTALLATION DATE	06/19/2008 - WY 2008
AVAILABLE PERIOD OF RECORD	06/19/2008 - Current
LENGTH OF AVAILABLE POR DATA	8.28 Years 3,026 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.25 feet Gage Height
STAFF GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,570.40 feet NAVD 1988
POINT OF ZERO FLOW	0.00 feet Gage Height
DAM ELEVATIONS AS RELATED TO GAGE HEIGHT AT THIS SITE	
PRINCIPAL OUTLET ELEVATION	-2.3 feet Gage Height
OVERALL MINIMUM FREEWAY LEVEE ELEVATION	11.9 feet Gage Height
McKELLIPS ROAD MINIMUM FREEWAY LEVEE ELEVATION	12.6 feet Gage Height
SPILLWAY ELEVATION	13.5 feet Gage Height

2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	1.08	8.2	0.3
08/09/2016	1.56	12.4	0.5

Hydrograph of peak WY 2016 impoundment event, 08/09/2016



Spookhill FRS at McKellips Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				13								
8				13								
9											14	
10											11	
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	26	0	0	0	0	0	0	25	0
MEAN	0	0	0	1	0	0	0	0	0	0	1	0
MAX	0	4	0	25	0	0	0	0	0	0	38	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	0	51	0	0	0	0	0	0	49	0
WTR YR 2016	TOTAL	51	MEAN	0	MAX	38	MIN	0	AC_FT	101		

Spookhill FRS at McKellips Road, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				4								
8				6								
9				1							5	
10											5	
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	4	0	8	0	0	0	0	0	0	12	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	12	MIN	0					

Spookhill FRS at McKellips Road, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	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	0.3	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
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	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	0.0	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
29	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.0	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
MAX	0.2	0.5	0.2	1.1	0.2	0.2	0.2	0.2	0.2	0.2	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 2016	MEAN	0.26	MAX	1.56	MIN	0.23						

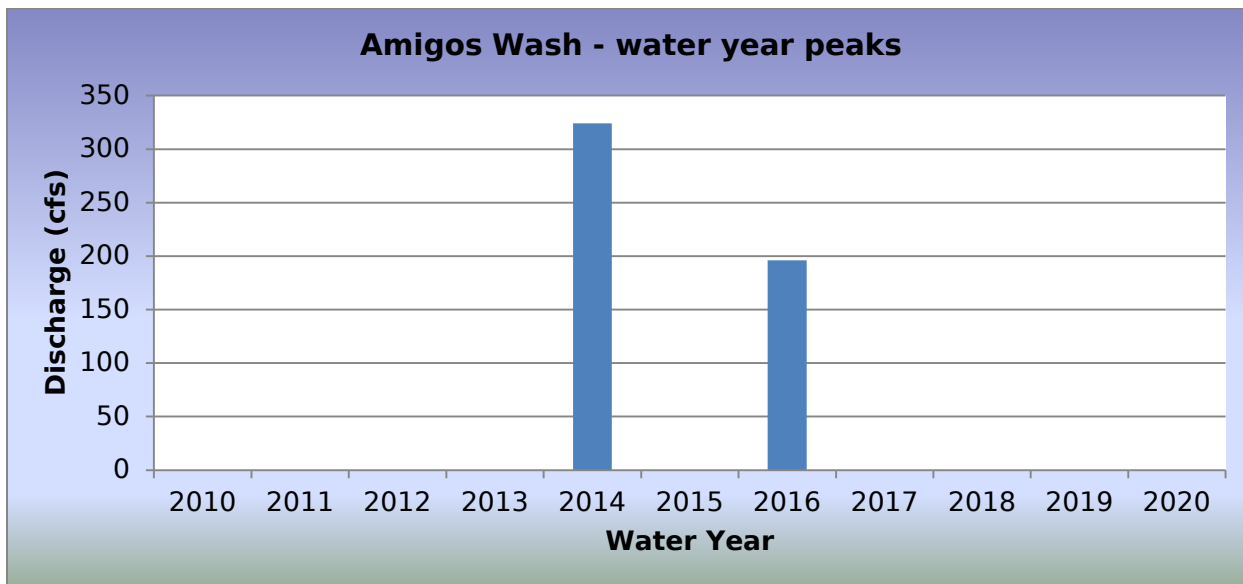
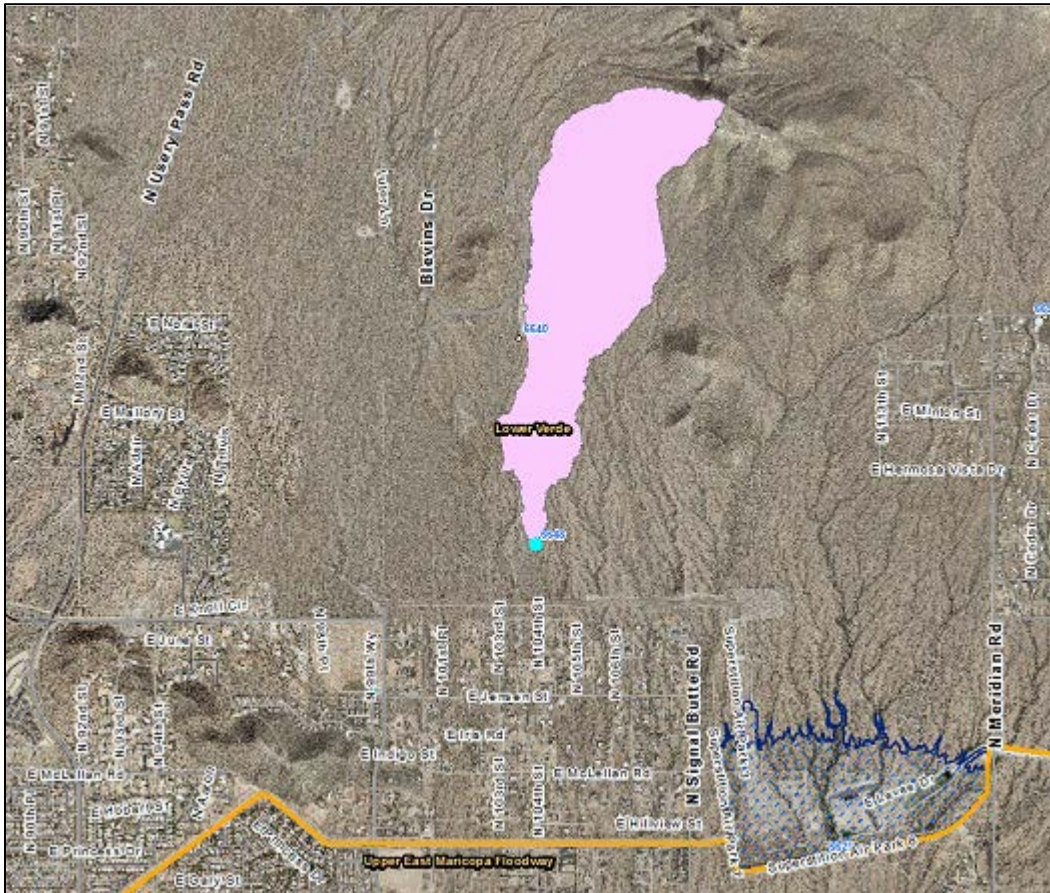
Amigos Wash, ID #6648



Site Data

LOCATION	Located in Usery Mountain Park, northeast of the intersection of McKellips and Crismon Roads
DRAINAGE AREA	0.47 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S01 T1N R7E
LATITUDE	N 33° 27' 16.8" +33.45467
LONGITUDE	W 111° 36' 24.4" -111.60677
STREAMGAGE INSTALLATION DATE	01/09/2013 - WY 2013
AVAILABLE PERIOD OF RECORD	01/09/2013 - Current
LENGTH OF AVAILABLE POR DATA	3.73 Years 1,361 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.75 feet Gage Height
STAFF GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,784.00 feet NAVD 1988
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	324 cfs 1.54 feet 09/27/2014

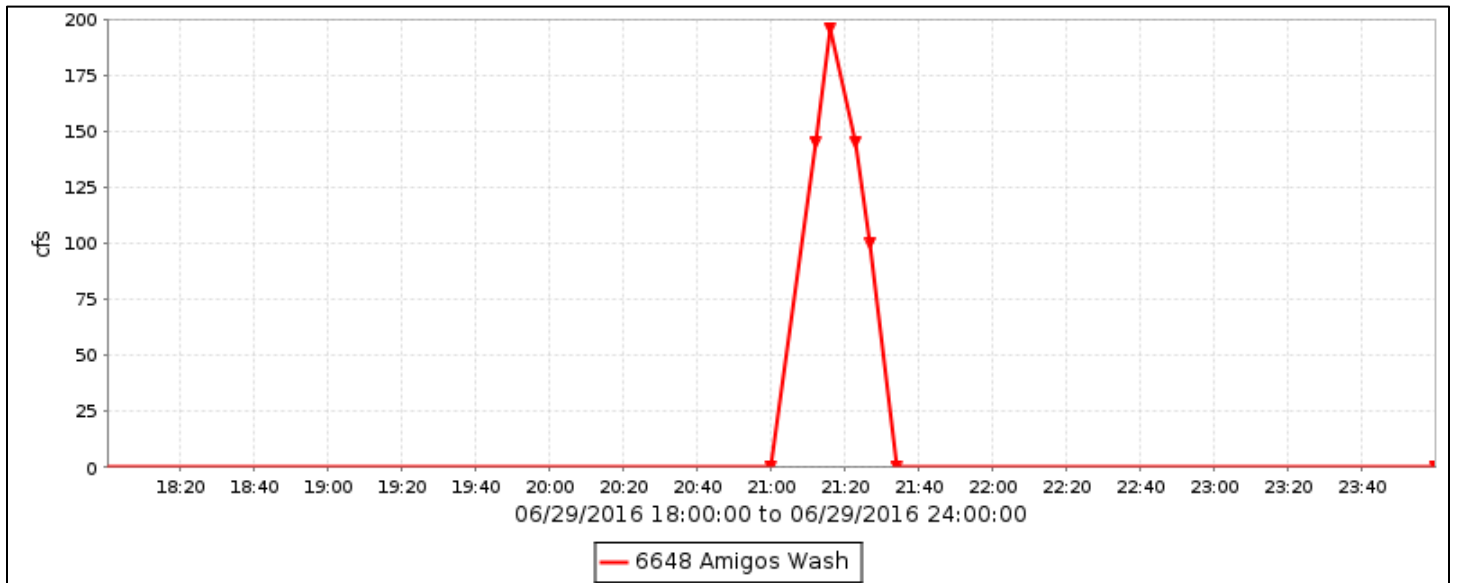
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
06/29/2016	1.27	196

Hydrograph of peak WY 2016 flow event



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 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29									2						
30					---										
31		---			---		---		---			---			
TOTAL	0	0	0	0	0	0	0	0	2	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	196	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	4	0	0	0			
WTR YR 2016	TOTAL		2	MEAN		0	MAX		196	MIN		0	AC_FT		4

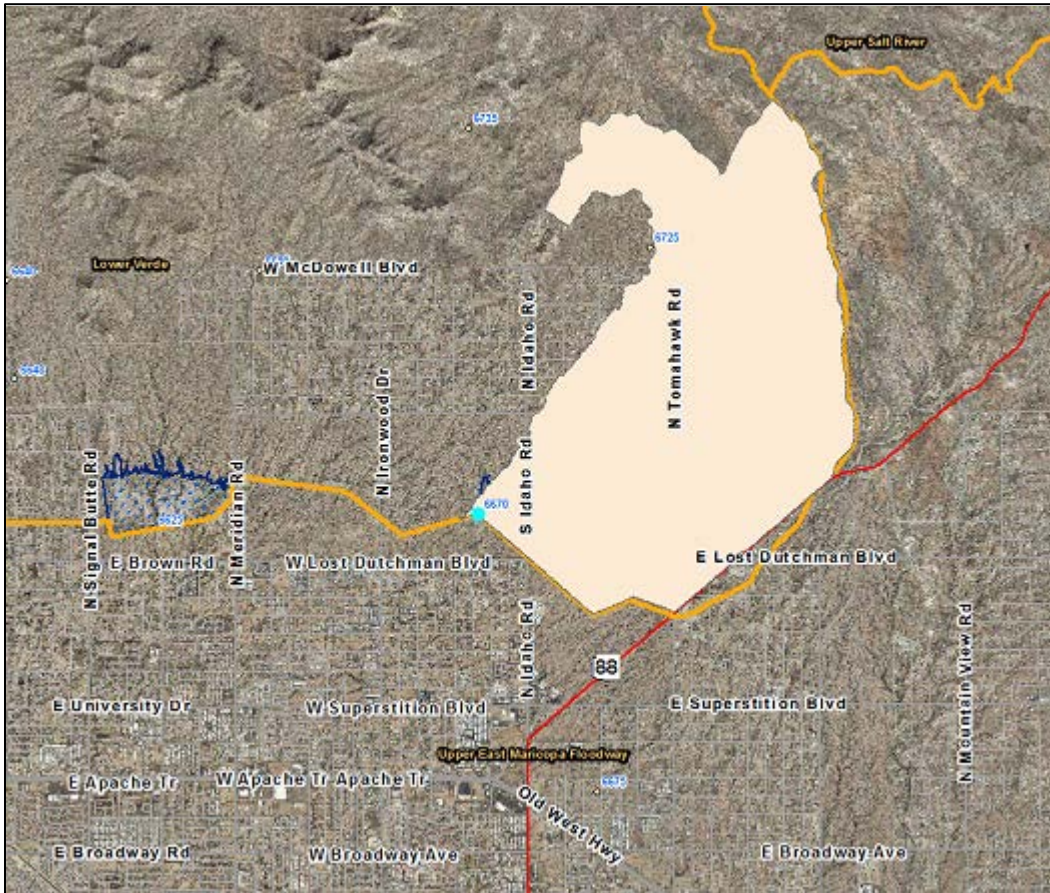
Apache Junction FRS, ID #6673



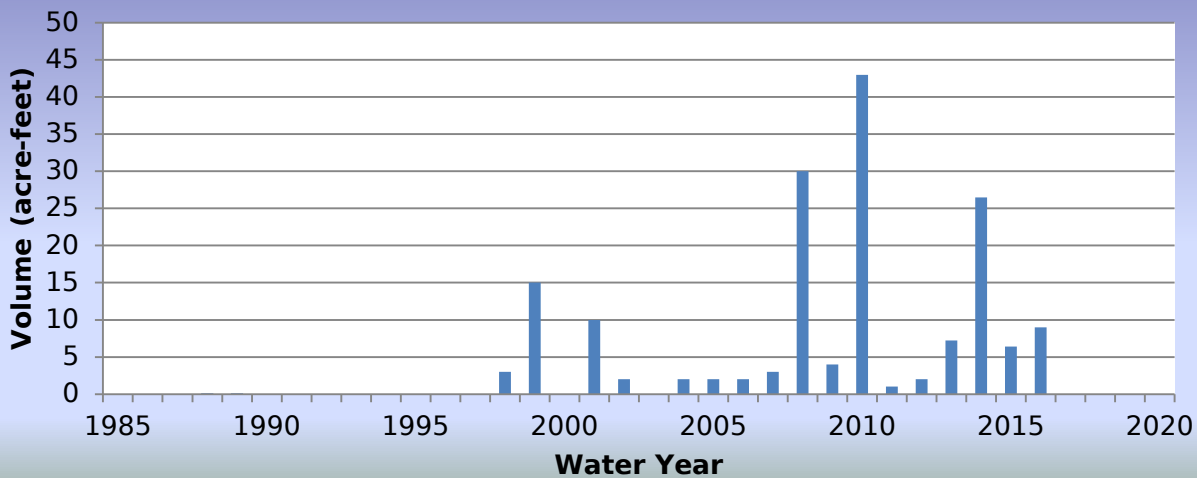
Site Data

LOCATION	Located near Idaho Road and Lost Dutchman Boulevard
DRAINAGE AREA	5.8 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Apache Junction, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S08 T1N R8E
LATITUDE	N 33° 26' 29.2" +33.44143
LONGITUDE	W 111° 33' 06.4" -111.55178
STREAMGAGE INSTALLATION DATE	09/15/1988 - WY 1988
AVAILABLE PERIOD OF RECORD	09/15/1988 - Current
LENGTH OF AVAILABLE POR DATA	28.04 Years 10,243 Days
GAPS (> 2 DAYS) IN RECORD	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 NAVD 1988
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



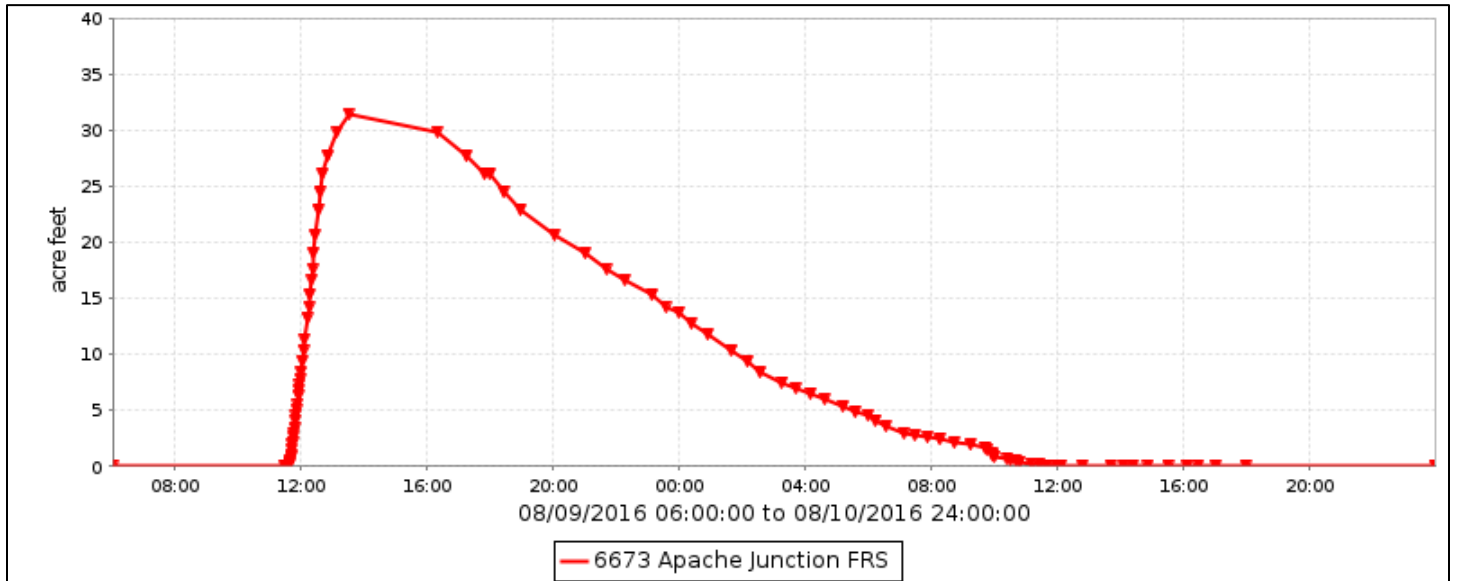
Apache Junction FRS - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/29/2016	0.81	0.0	0.0
08/09/2016	5.94	31.4	4.7

Hydrograph of peak WY 2016 impoundment event, 08/09/2016



Apache Junction FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5															
6															
7															
8															
9											4				
10											1				
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	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	0	9	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	9	0			
WTR YR 2016	TOTAL		4	MEAN		0	MAX		9	MIN		0	AC_FT		9

Apache Junction FRS, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9											12	
10											3	
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	31	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	0	MAX	31	MIN	0						

Apache Junction FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.2	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	2.8	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.8	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	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	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	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.8	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 2016	MEAN	0.14	MAX	5.94	MIN	0.13						

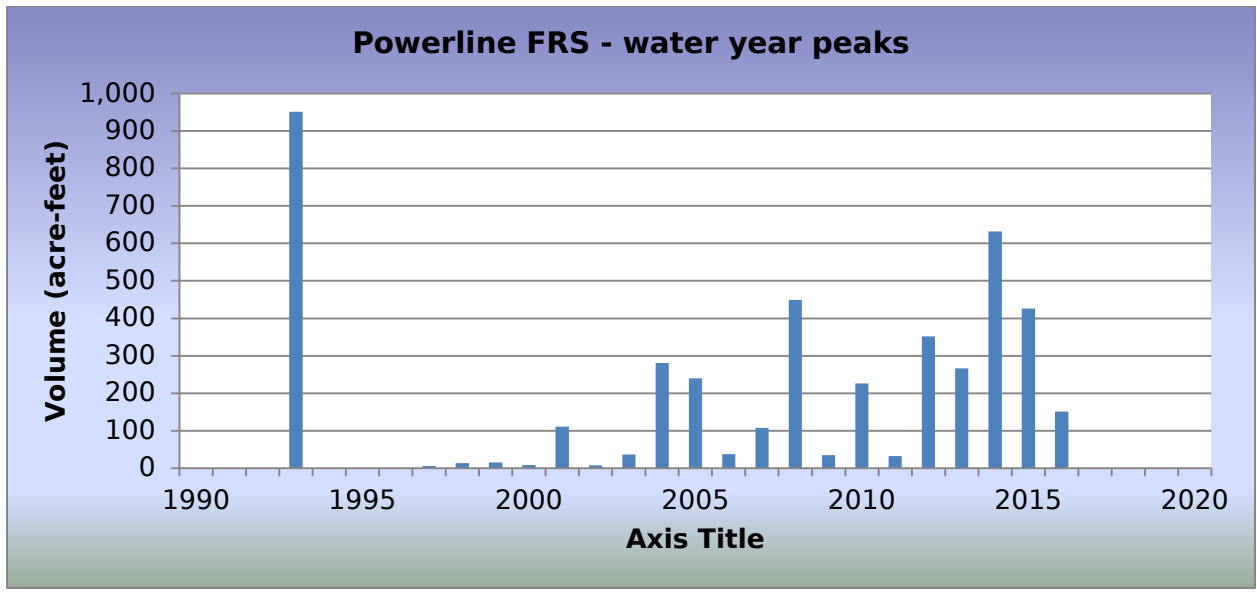
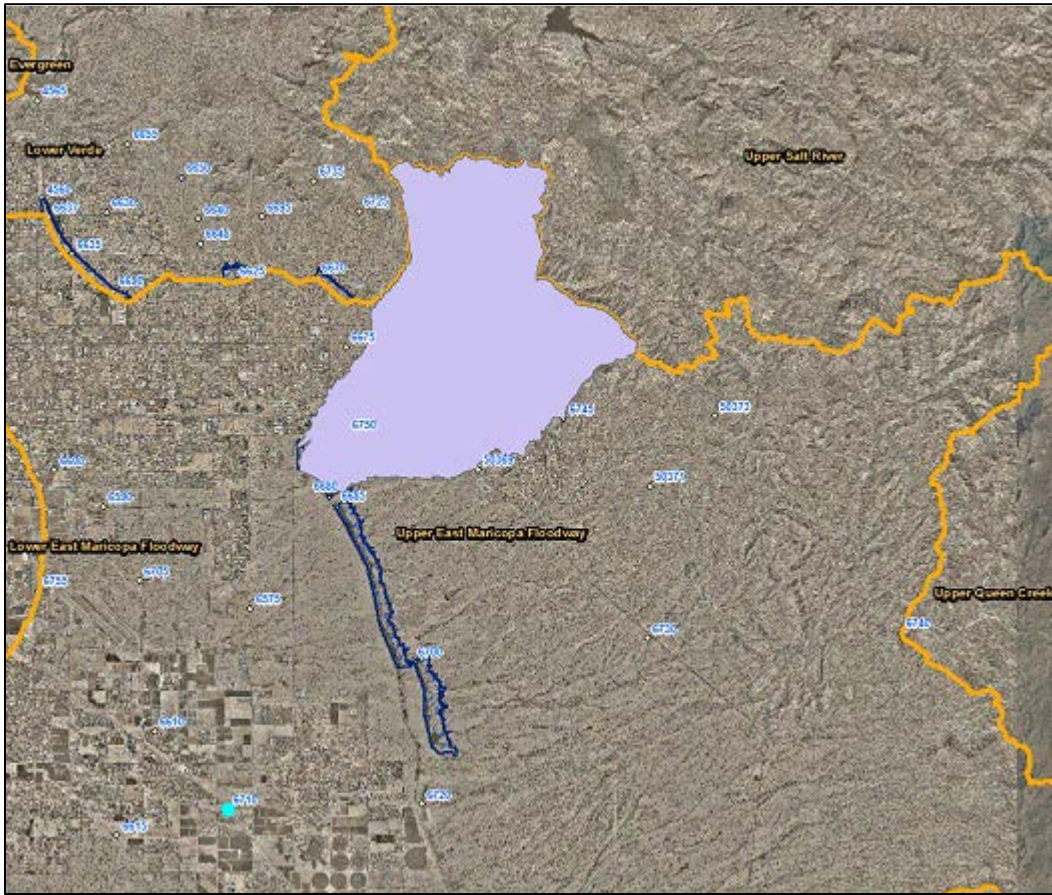
Powerline FRS, ID #6683



Site Data

LOCATION	Located south of Apache Junction east of Ironwood Road
DRAINAGE AREA	46.2 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Pinal County, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S09 T1S R8E
LATITUDE	N 33° 21' 16.7" +33.35463
LONGITUDE	W 111° 32' 45.5" -111.54598
STREAMGAGE INSTALLATION DATE	12/02/1992 - WY 1993
AVAILABLE PERIOD OF RECORD	12/02/1992 - Current
LENGTH OF AVAILABLE POR DATA	23.83 Years 8,704 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	5
ZERO GAGE HEIGHT ELEVATION	1,563.82 feet NAVD 1988
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

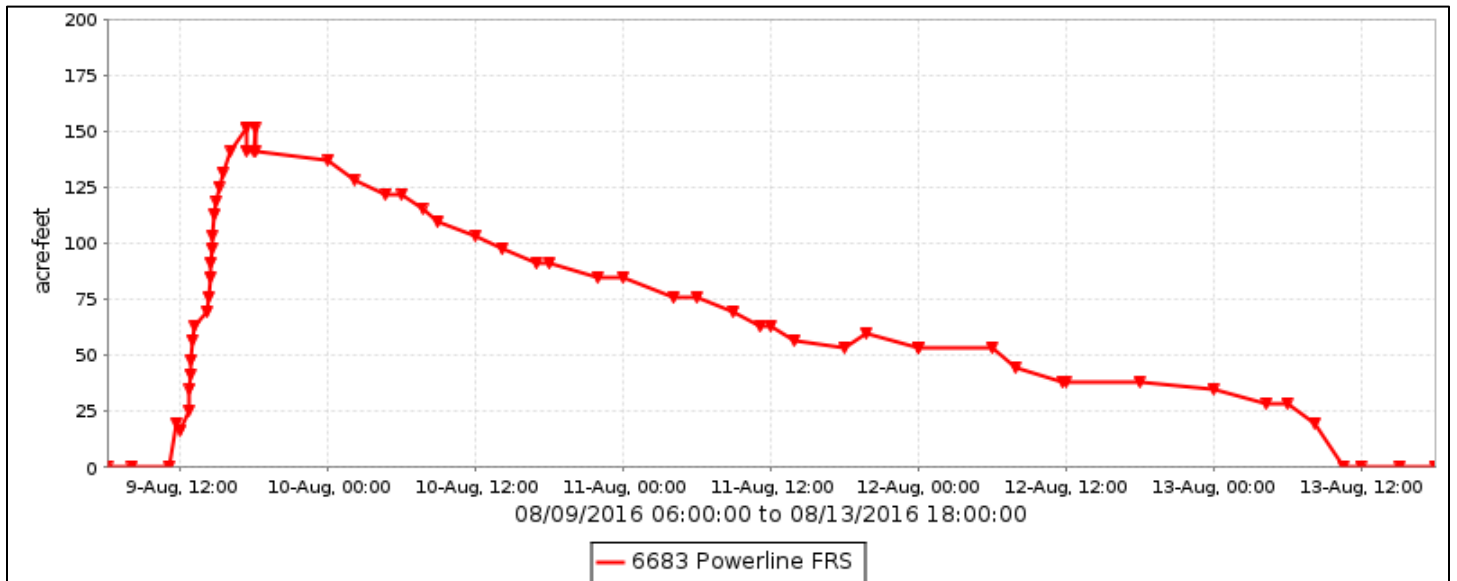
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	1.95	124.3	1.9
08/09/2016	2.30	151.1	2.5

Hydrograph of peak WY 2016 impoundment event, 08/09/2016



Powerline FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---										
2												
3												
4												
5												
6												
7				7								
8				---								
9				7							12	
10				4							21	
11											13	
12											9	
13											3	
14												
15												
16												
17												
18												
19												
20												
21		---										
22												
23												
24												
25												
26												
27												
28												
29	---											
30	---				---							
31	---	---			---		---		---			---
TOTAL	0	0	0	53	0	0	0	0	0	0	58	0
MEAN	0	0	0	2	0	0	0	0	0	0	2	0
MAX	0	0	0	25	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	106	0	0	0	0	0	0	114	0
WTR YR 2016	TOTAL	111	MEAN	0	MAX	31	MIN	0	AC_FT	220		

Powerline FRS, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---										
2												
3												
4												
5												
6												
7				38								
8				---								
9				37							60	
10				17							108	
11											67	
12											44	
13											13	
14												
15												
16												
17												
18												
19												
20												
21		---										
22												
23												
24												
25												
26												
27												
28												
29	---											
30	---				---							
31	---	---			---		---		---			---
MEAN	0	0	0	8	0	0	0	0	0	0	9	0
MAX	0	0	0	124	0	0	0	0	0	0	151	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	2	MAX	151	MIN	0						

Powerline FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	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	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	1.0	0.2
10	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	1.7	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.1	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	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	0.2	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
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
31	---	---	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	0.2	0.3	0.2
MAX	0.2	0.2	0.2	1.9	0.2	0.2	0.2	0.2	0.2	0.2	2.3	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 2016	MEAN	0.22	MAX	2.30	MIN	0.20						

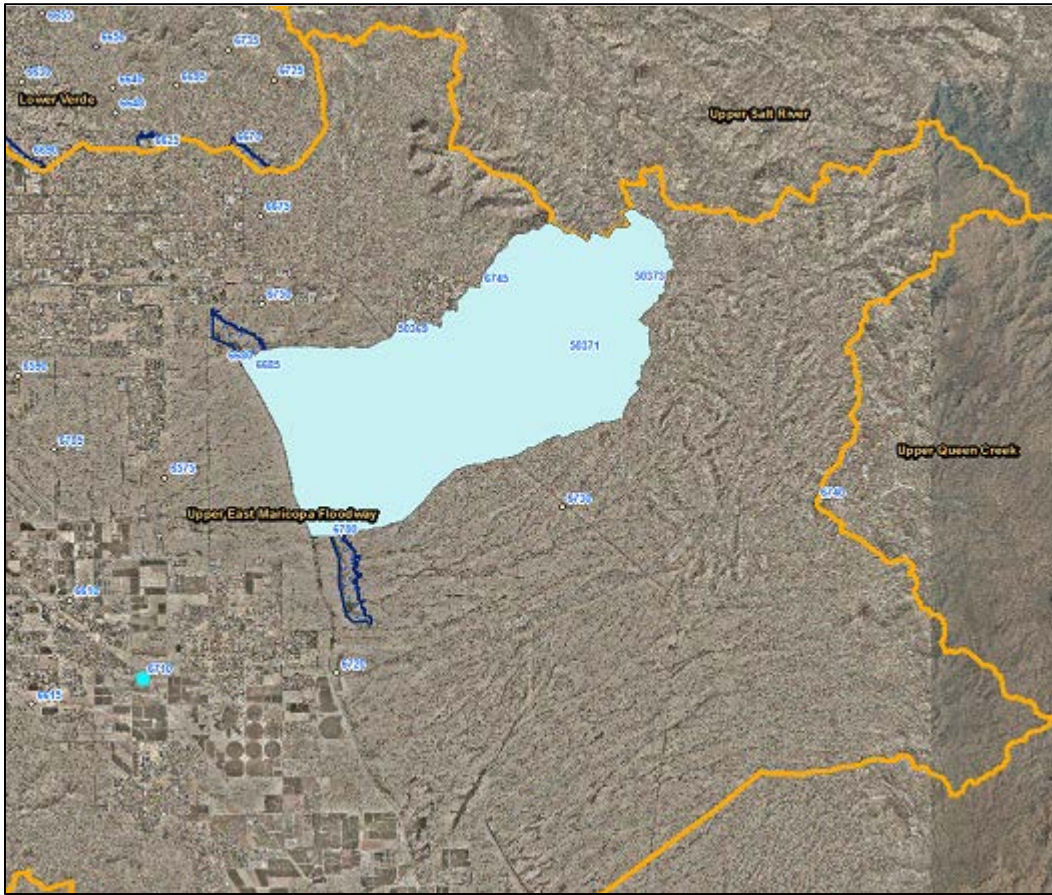
Vineyard FRS, ID #6688



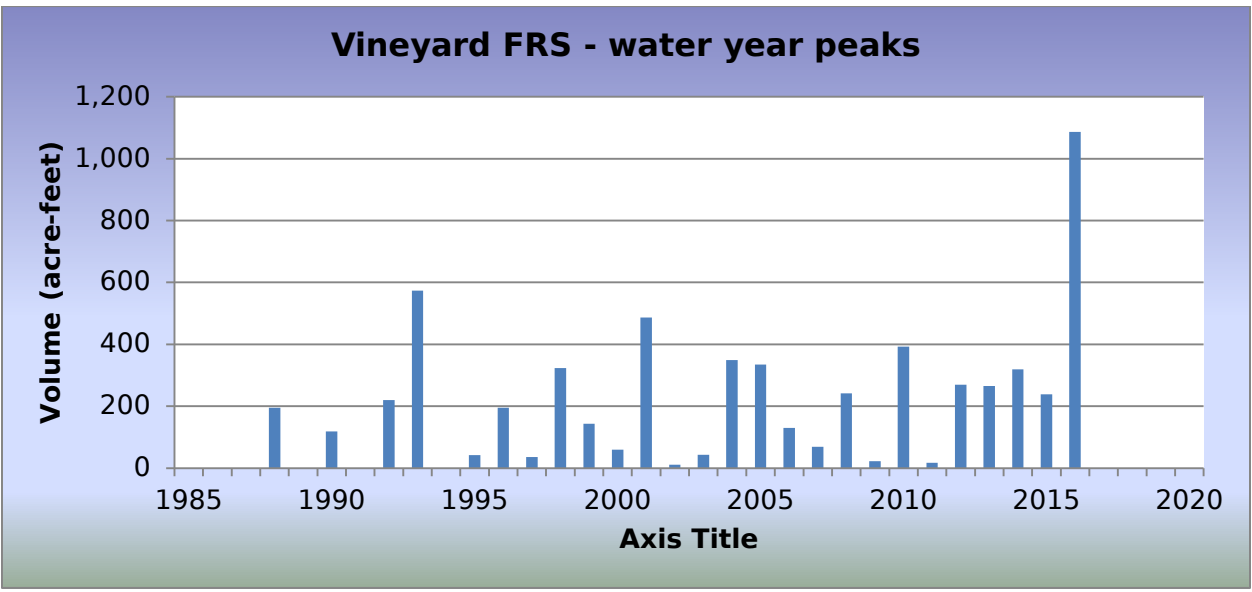
Site Data

LOCATION	Located south of Apache Junction east of Ironwood Road
DRAINAGE AREA	53.7 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Pinal County, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S09 T1S R8E
LATITUDE	N 33° 21' 03.3" +33.35091
LONGITUDE	W 111° 32' 34.2" -111.54282
STREAMGAGE INSTALLATION DATE	11/02/1983 - WY 1984
AVAILABLE PERIOD OF RECORD	11/09/1987 - Current
LENGTH OF AVAILABLE POR DATA	28.90 Years 10,554 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	5
ZERO GAGE HEIGHT ELEVATION	1,564.20 feet NAVD 1988
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



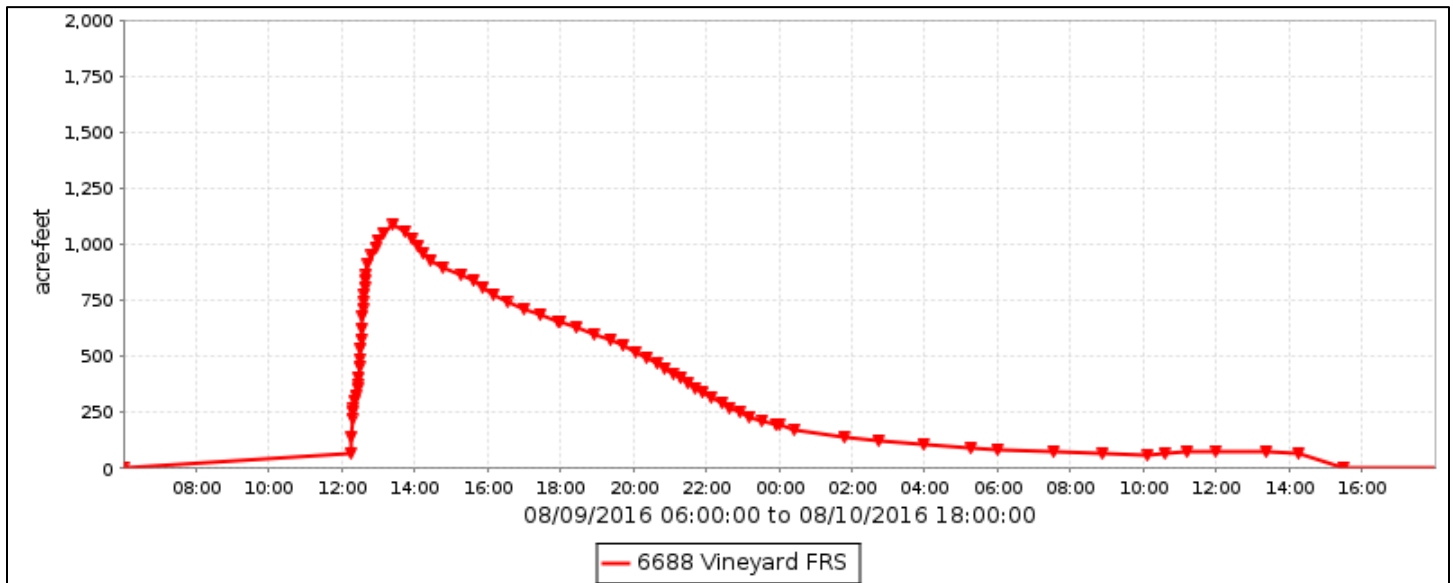
Vineyard FRS - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	2.72	498	10.6
08/09/2016	4.73	1,086	23.1

Hydrograph of peak WY 2016 impoundment event, 08/09/2016



Vineyard FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				8								
8				29								
9				15						27		
10				8						3		
11				5								
12				2								
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	66	0	0	0	0	0	0	30	0
MEAN	0	0	0	2	0	0	0	0	0	0	1	0
MAX	0	0	0	40	0	0	0	0	0	0	100	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	132	0	0	0	0	0	0	59	0
WTR YR 2016	TOTAL	96	MEAN	0	MAX	100	MIN	0	AC_FT	191		

Vineyard FRS, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				107								
8				388								
9				232							308	
10				143							60	
11				84								
12				33								
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30						---						
31		---				---		---		---		---
MEAN	0	0	0	32	0	0	0	0	0	0	12	0
MAX	0	0	0	498	0	0	0	0	0	0	1086	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		4	MAX	1086	MIN	0					

Vineyard FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	2.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	1.4	0.2	0.2	0.2	0.2	0.2	0.2	1.6	0.2
10	0.2	0.2	0.2	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2
11	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
MAX	0.2	0.2	0.2	2.7	0.2	0.2	0.2	0.2	0.2	0.2	4.7	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 2016	MEAN	0.22	MAX	4.73	MIN	0.20						

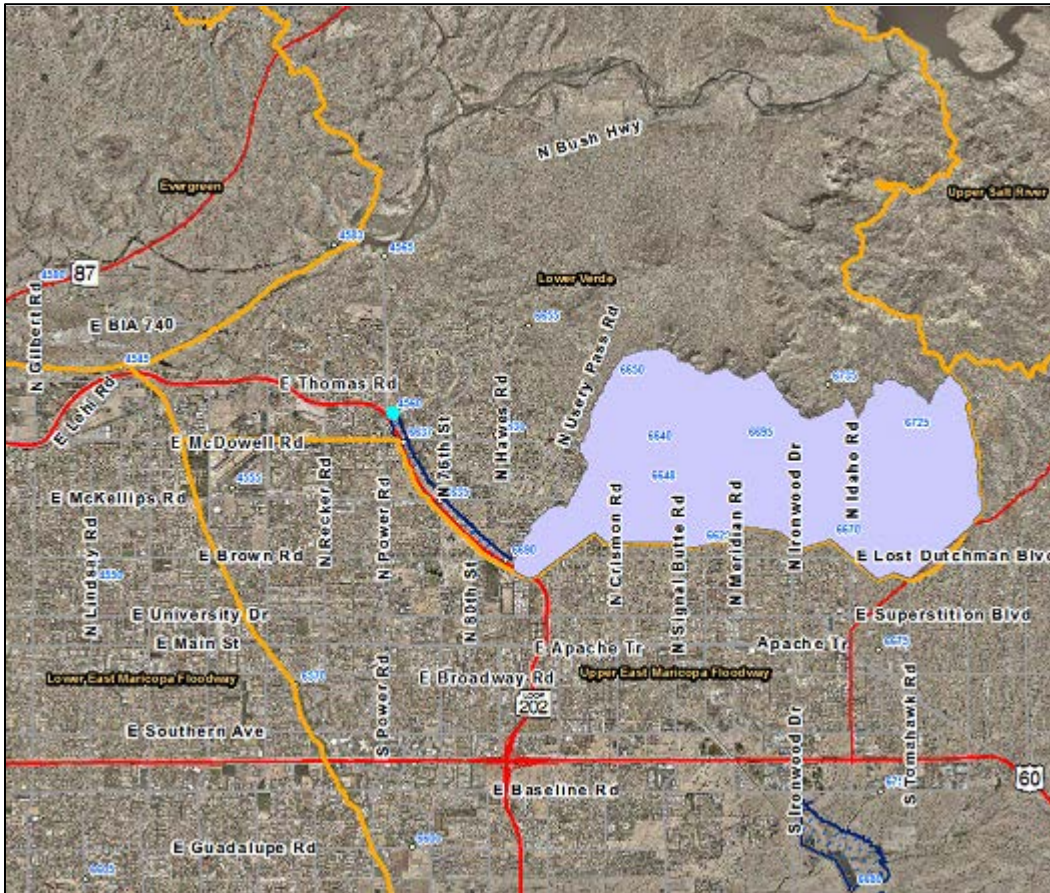
Spookhill FRS at Brown Road, ID #6693



Site Data

LOCATION	Located at Brown Road and SR 202L
DRAINAGE AREA	13.6 mi ² at outlet gage
STREAM TYPE	Engineered Channel / Levee / Dam
JURISDICTION	Mesa, Arizona
WATERSHED	Lower Verde
SECTION/TOWNSHIP/RANGE	S16 T1N R7E
LATITUDE	N 33° 26' 11.9" +33.43664
LONGITUDE	W 111° 38' 52.8" -111.64799
STREAMGAGE INSTALLATION DATE	06/04/2008 - WY 2008
AVAILABLE PERIOD OF RECORD	06/04/2008 - Current
LENGTH OF AVAILABLE POR DATA	8.33 Years 3,041 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.27 feet Gage Height
STAFF GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,571.75 feet NAVD 1988
POINT OF ZERO FLOW	0.00 feet Gage Height
DAM ELEVATIONS AS RELATED TO GAGE HEIGHT AT THIS SITE	
PRINCIPAL OUTLET ELEVATION	-3.65 feet Gage Height
OVERALL MINIMUM FREEWAY LEVEE ELEVATION	10.55 feet Gage Height
BROWN ROAD MINIMUM FREEWAY LEVEE ELEVATION	13.25 feet Gage Height
SPILLWAY ELEVATION	12.15 feet Gage Height

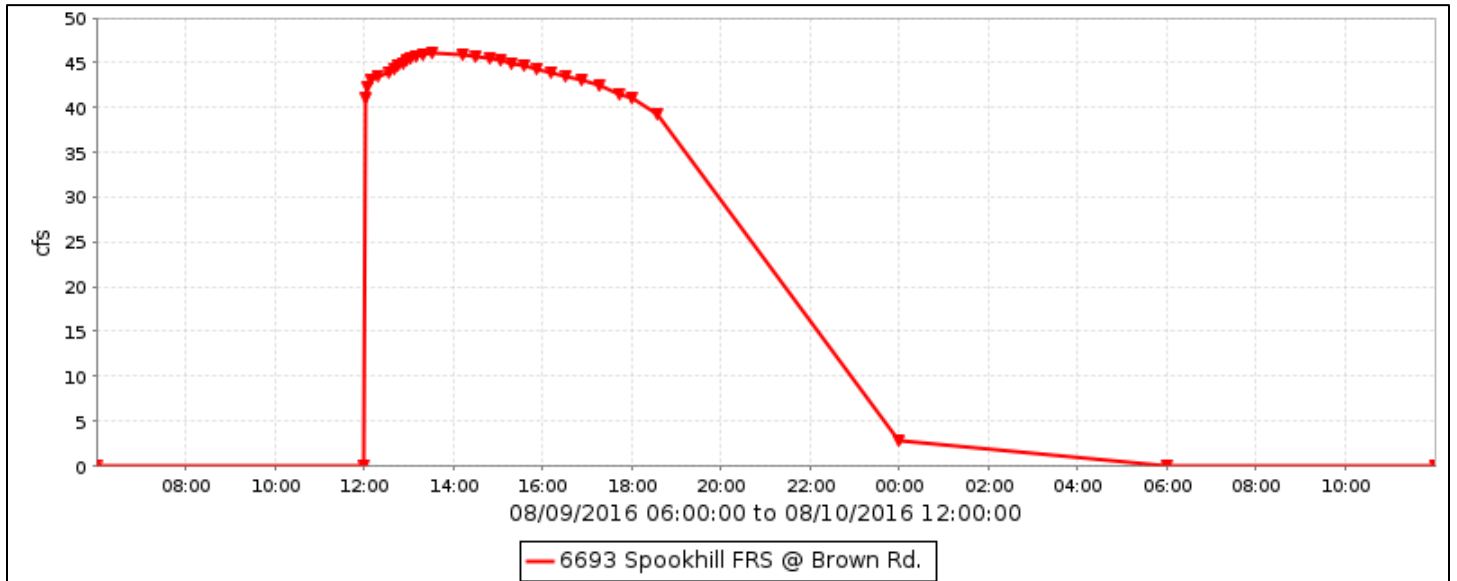
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/07/2016	0.77	28.7	1.2
08/09/2016	1.71	61.6	2.5

Hydrograph of peak WY 2016 impoundment event, 08/09/2016



Spookhill FRS at Brown Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				29								
8				19								
9											21	
10											1	
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	47	0	0	0	0	0	0	22	0
MEAN	0	0	0	2	0	0	0	0	0	0	1	0
MAX	0	0	0	43	0	0	0	0	0	0	46	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	93	0	0	0	0	0	0	43	0
WTR YR 2016	TOTAL	69	MEAN	0	MAX	46	MIN	0	AC_FT	136		

Spookhill FRS at Brown Road, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				14								
8				7								
9											14	
10											3	
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	1	0	0	0	0	0	0	1	0
MAX	0	0	0	29	0	0	0	0	0	0	62	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	62	MIN	0					

Spookhill FRS at Brown Road, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.5	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	0.5	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
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	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
16	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	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
23	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	0.0	---	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
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
29	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	---	0.3	0.3	0.3	0.3
31	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	0.8	0.3	0.3	0.3	0.3	0.3	0.3	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 2016	MEAN	0.27	MAX	1.71	MIN	0.27						

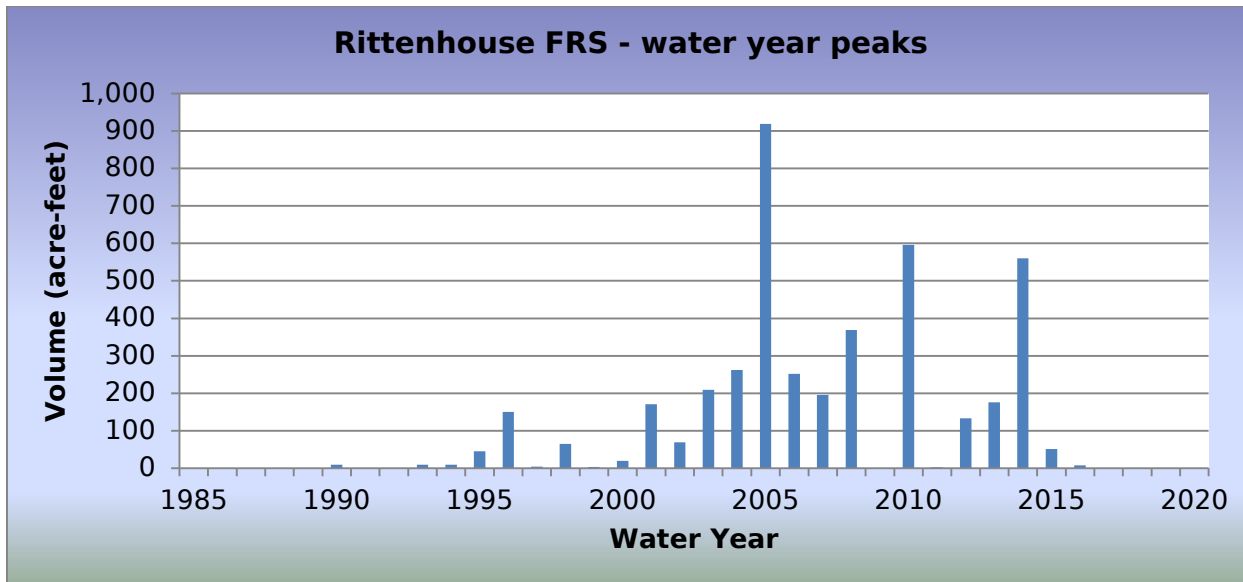
Rittenhouse FRS, ID #6703



Site Data

LOCATION	East of town of Queen Creek in Pinal County
DRAINAGE AREA	47.1 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Pinal County
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S02 T2S R8E
LATITUDE	N 33° 17' 20.3" +33.28896
LONGITUDE	W 111° 30' 23.7" -111.50659
STREAMGAGE INSTALLATION DATE	09/27/1988 - WY 1988
AVAILABLE PERIOD OF RECORD	09/27/1988 - Current
LENGTH OF AVAILABLE POR DATA	28.01 Years 10,231 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.25 feet Gage Height
STAFF GAGES	4
ZERO GAGE HEIGHT ELEVATION	1,579.00 feet NAVD 1988
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

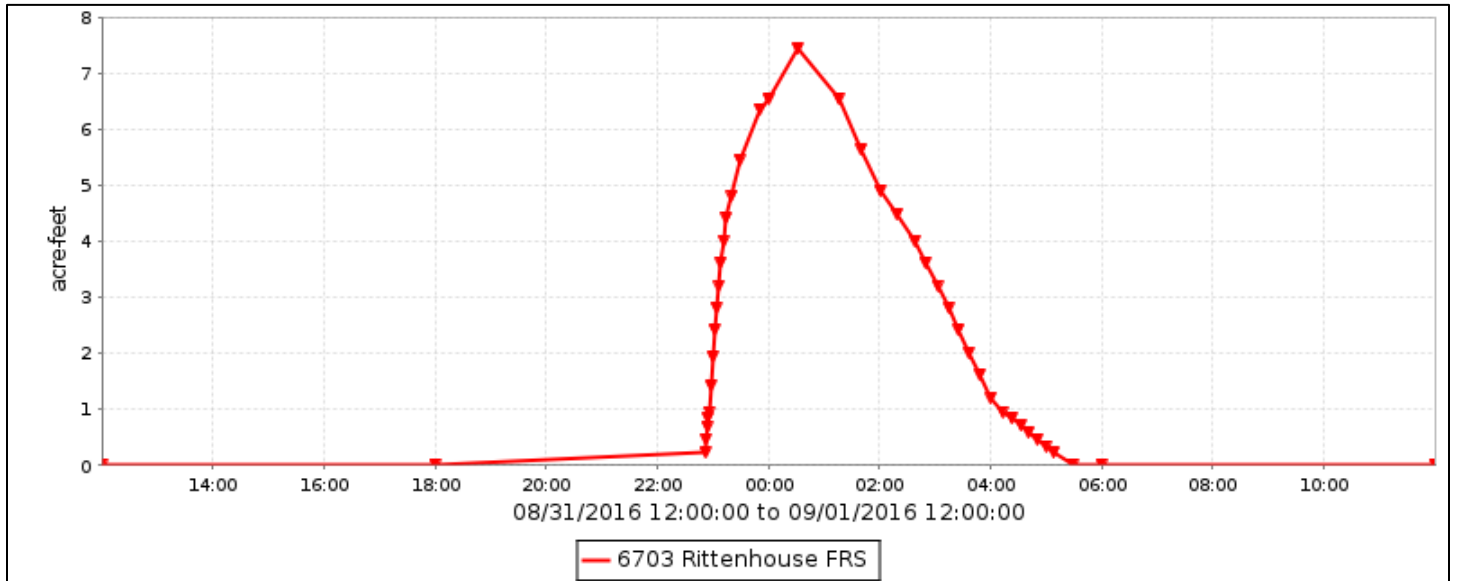
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/06/2016	2.05	5.4	0.1
01/07/2016	0.65	0.6	0.0
09/01/2016	2.27	7.4	0.2

Hydrograph of peak WY 2016 impoundment event, 09/01/2016



Rittenhouse FRS, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---										3
2												
3												
4												
5												
6				4								
7				1								
8				2								
9												
10												
11												
12												
13												
14												
15												
16											1	
17												
18												
19												
20												
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22												
23												
24												
25												
26												
27												
28												
29												
30	---				---							
31	---	---			---		---		---		1	---
TOTAL	0	0	0	7	0	0	0	0	0	0	1	3
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	22	0	0	0	0	0	0	23	25
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	14	0	0	0	0	0	0	3	7
WTR YR 2016	TOTAL	12	MEAN	0	MAX	25	MIN	0	AC_FT	23		

Rittenhouse FRS, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---										1
2												
3												
4												
5												
6				1								
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	5	0	0	0	0	0	0	6	7
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	7	MIN	0					

Rittenhouse FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.6
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.3	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	0.3	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	0.2	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	0.2
30	---	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	---
MEAN	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
MAX	0.2	0.2	0.2	2.0	0.2	0.2	0.2	0.2	0.2	0.2	2.1	2.3
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 2016	MEAN	0.25	MAX	2.27	MIN	0.25						

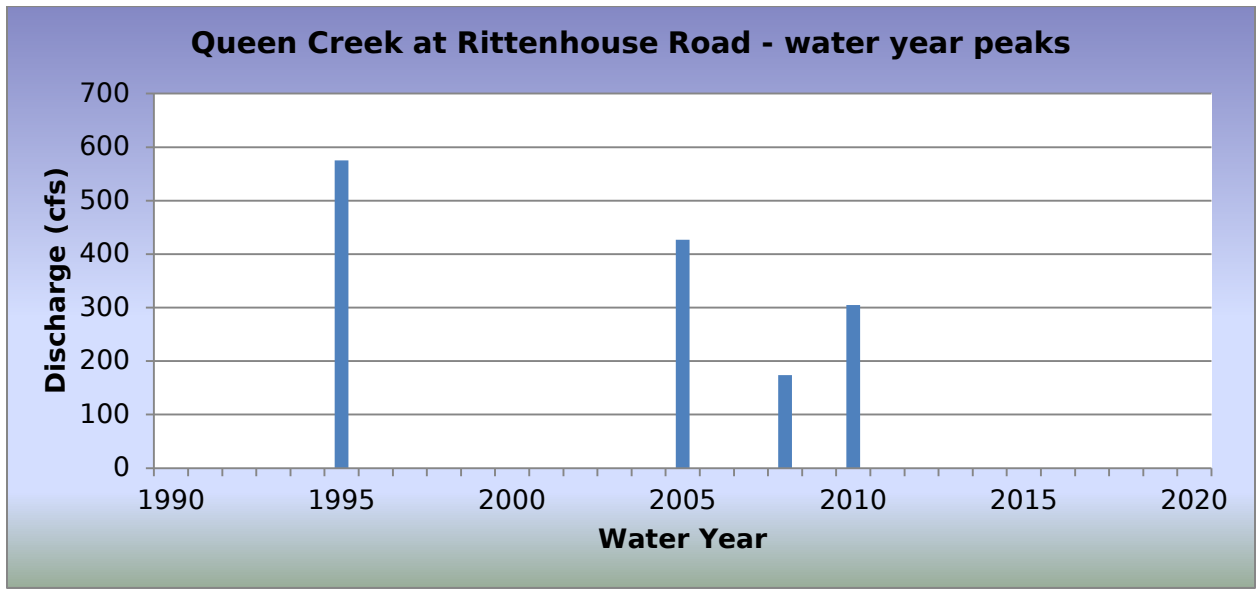
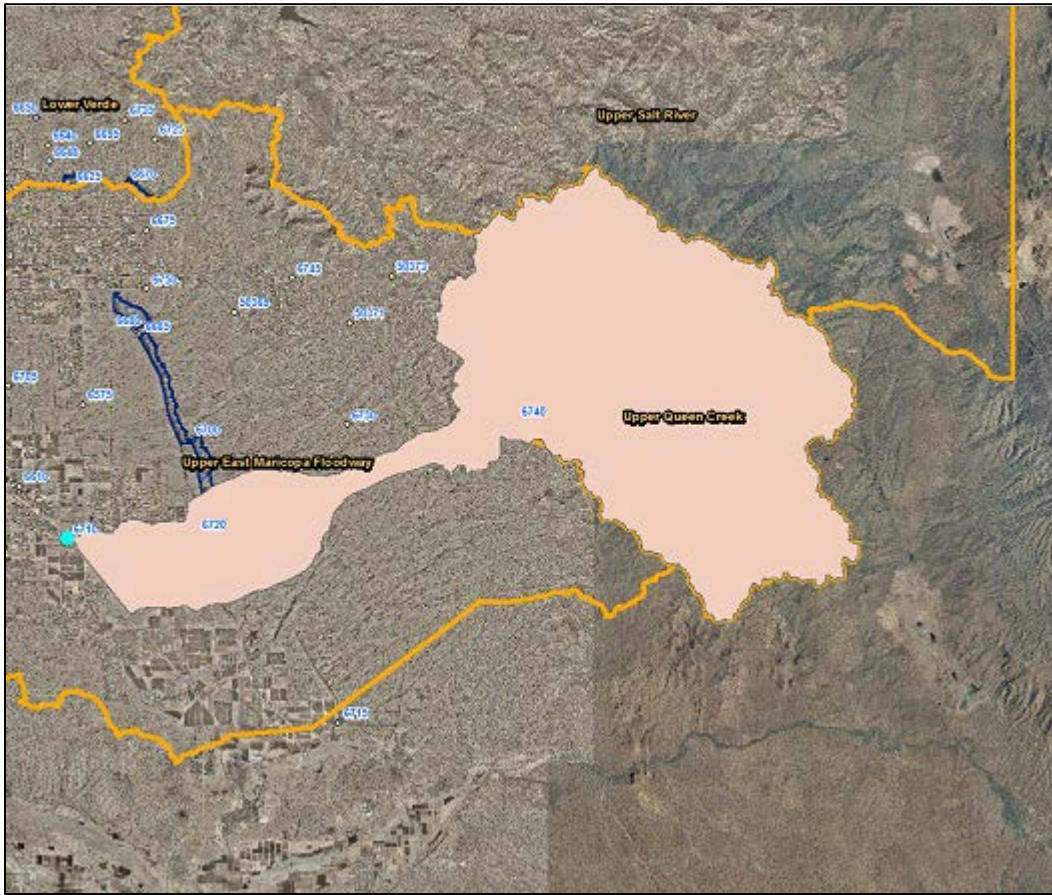
Queen Creek at Rittenhouse Road, ID #6707



Site Data

LOCATION	At the Queen Creek crossing of Rittenhouse Road
DRAINAGE AREA	236 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Queen Creek, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S25 T2S R7E
LATITUDE	N 33° 13' 48.9" +33.23025
LONGITUDE	W 111° 35' 39.4" -111.59428
STREAMGAGE INSTALLATION DATE	09/14/1993 - WY 1993
AVAILABLE PERIOD OF RECORD	09/14/1993 - Current
LENGTH OF AVAILABLE POR DATA	23.05 Years 8,418 Days
GAPS (> 2 DAYS) IN RECORD	05/28/2014 - 06/29/2014
STAGE GAGE ELEVATION	2.10 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,438.06 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	575 cfs 2.25 feet 01/06/1995

Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
06/29/2016	1.27	196

Hydrograph of peak WY 2016 flow event

There was no runoff recorded during Water Year 2016.

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 2015 to September 2016

DAY	Daily Mean Values													
	OCT	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	1	1	1	1	1	1	1	1	0	1	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	0	0		
MIN	0	0	0	0	0	0	0	0	0	0	0	0		
AC_FT	2	1	1	2	2	2	2	1	0	2	1	1		
WTR YR 2016	TOTAL		9	MEAN		0	MAX		0	MIN		0	AC_FT	18

Powerline Floodway, ID #6708



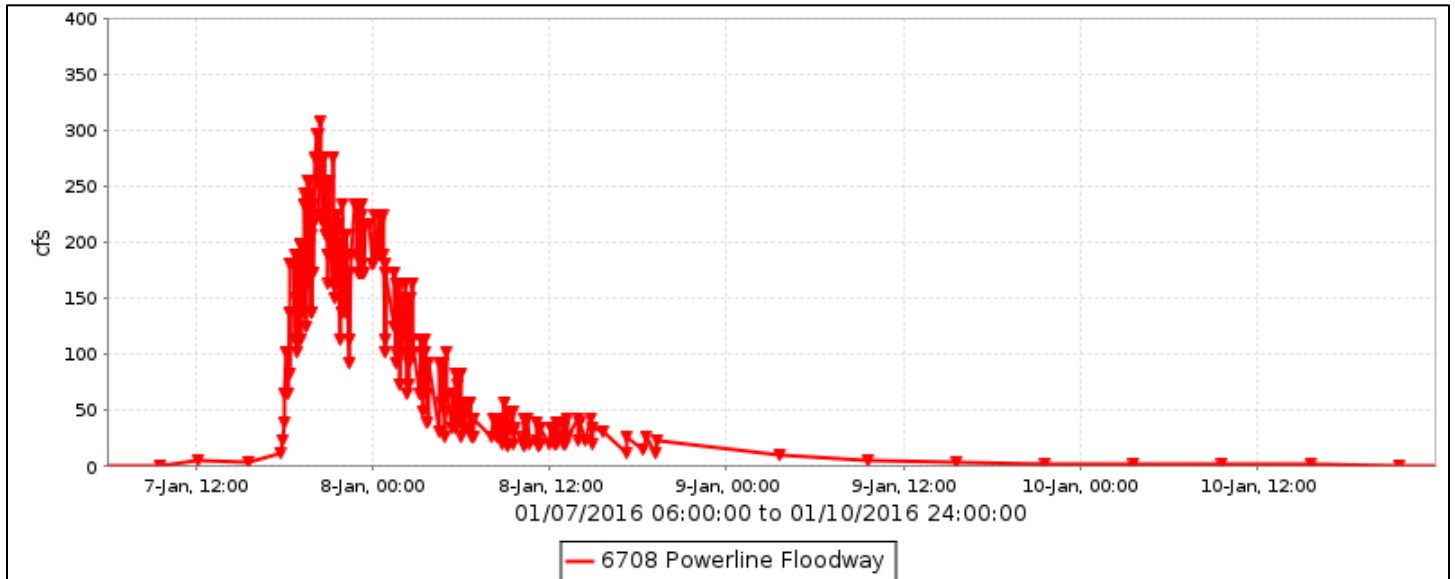
Site Data

LOCATION	Located near Ellsworth and Ray Roads
DRAINAGE AREA	Not Determined
STREAM TYPE	Engineered Channel
JURISDICTION	Mesa, Arizona
WATERSHED	Lower East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S28 T1S R7E
LATITUDE	N 33° 19' 16.4" +33.32123
LONGITUDE	W 111° 38' 09.9" -111.63609
STREAMGAGE INSTALLATION DATE	02/13/2008 - WY 2008
AVAILABLE PERIOD OF RECORD	02/13/2008 - Current
LENGTH OF AVAILABLE POR DATA	8.63 Years 3,153 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,077 cfs 4.70 feet 09/04/2012

2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
12/17/2015	1.20	72
01/07/2016	2.35	308
08/09/2016	1.22	76

Hydrograph of peak WY 2016 flow event, 01/07/2016



Flood Flow Frequency

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

Powerline Floodway, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---		
2									---	---		
3									---	---		
4									---	---		
5									---	---		
6				2					---			
7				50					---			
8				51					---			
9				8					---		17	
10				2					---		3	
11									---			
12									---			
13									---			
14									---			
15									---			
16									---			
17			6						---			
18									---			
19									---			
20									---			
21									---			
22									---			
23									---			
24									---			
25									---			
26								---	---			
27									---			
28								---	---			
29									---			
30					---			---	---			
31		---			---		---	---	---			---
TOTAL	0	0	6	114	0	0	0	0	0	0	20	0
MEAN	0	0	0	4	0	0	0	0	0	0	1	0
MAX	0	0	72	308	0	0	0	0	0	0	76	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	11	226	0	0	0	0	0	0	40	0
WTR YR 2016	TOTAL		139	MEAN	0	MAX	308	MIN	0	AC_FT	276	

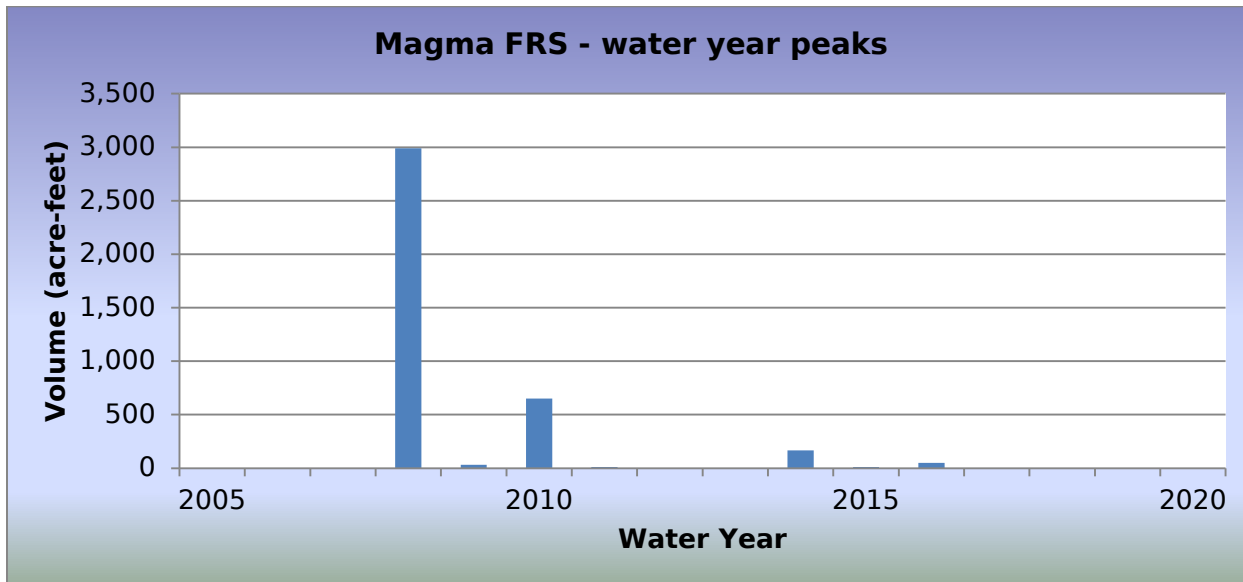
Magma FRS, ID #6718



Site Data

LOCATION	Located east of Hunt Highway along Arizona Farms Road
DRAINAGE AREA	20.6 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Florence, Arizona
WATERSHED	Gila / Queen Creek
SECTION/TOWNSHIP/RANGE	S35 T3S R9E
LATITUDE	N 33° 07' 11.2" +33.11978
LONGITUDE	W 111° 24' 08.9" -111.40248
STREAMGAGE INSTALLATION DATE	11/15/2007 - WY 2008
AVAILABLE PERIOD OF RECORD	11/15/2007 - Current Day
LENGTH OF AVAILABLE POR RECORD	8.88 Years 3,243 Days
GAPS (> 2 DAYS) IN RECORD	04/12/2012 - 11/03/2013
STAGE GAGE ELEVATION	1,601.30 feet NAVD 1988
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,601.00 feet NAVD 1988
POINT OF ZERO FLOW	1,601.00 feet NAVD 1988
SPILLWAY ELEVATION	1,623.20 feet NAVD 1988
TOP OF DAM ELEVATION	1,628.30 feet NAVD 1988
NORMAL DRAWDOWN RATE	-0.25 feet per hour

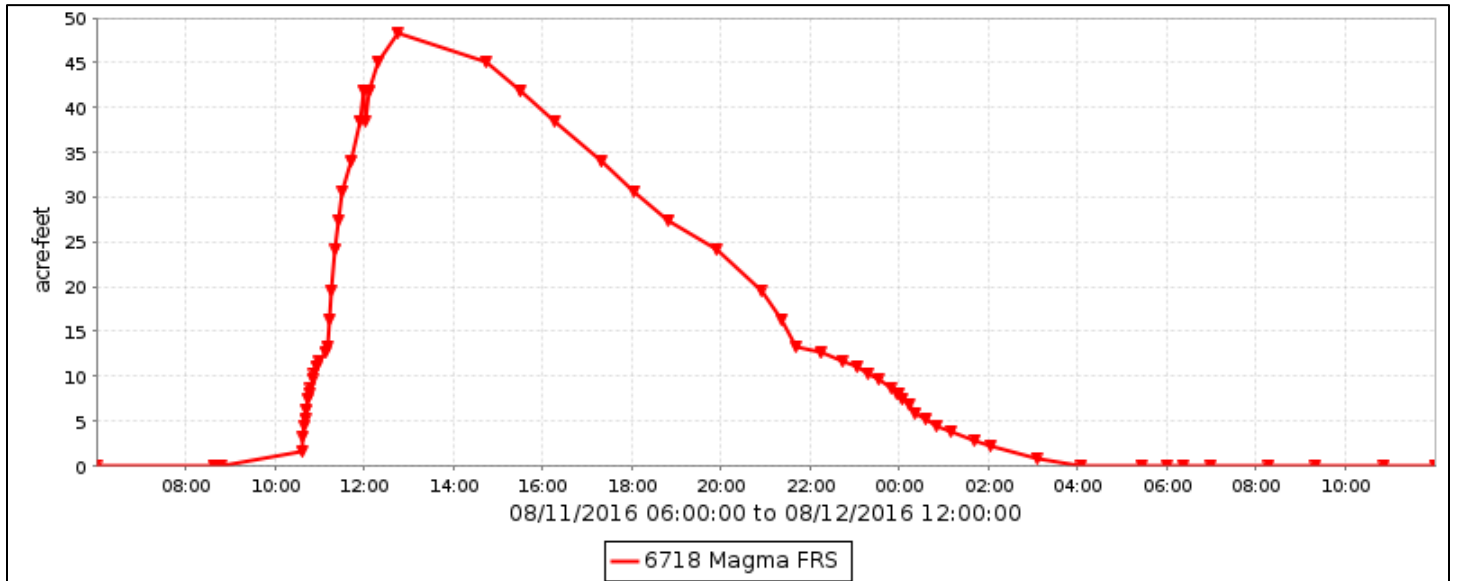
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/11/2016	1605.07	48.3	3.6

Hydrograph of peak WY 2016 impoundment event, 09/01/2016



Magma FRS, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11											21	
12											3	
13												
14												
15												
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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	24	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	3	0	0	0	0	0	0	0	0	45	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	0	0	0	0	0	0	0	0	47	0
WTR YR 2016	TOTAL	24	MEAN	0	MAX	45	MIN	0	AC_FT	48		

Magma FRS, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11											17	
12											1	
13												
14												
15												
16												
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19												
20												
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23												
24												
25												
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	0	48	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	48	MIN	0					

Magma FRS, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
2	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
3	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
4	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
5	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
6	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
7	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
8	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
9	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
10	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
11	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1603.	1601.
12	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
13	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
14	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
15	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
16	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
17	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
18	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
19	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
20	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
21	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
22	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
23	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
24	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
25	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
26	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
27	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
28	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
29	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
30	1601.	1601.	1601.	1601.	---	1601.	1601.	1601.	1601.	1601.	1601.	1601.
31	1601.	---	1601.	1601.	---	1601.	---	1601.	---	1601.	1601.	---
MEAN	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
MAX	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1605.	1601.
MIN	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.	1601.
WTR YR 2016	MEAN	1601.	MAX	1605.	MIN	1601.						

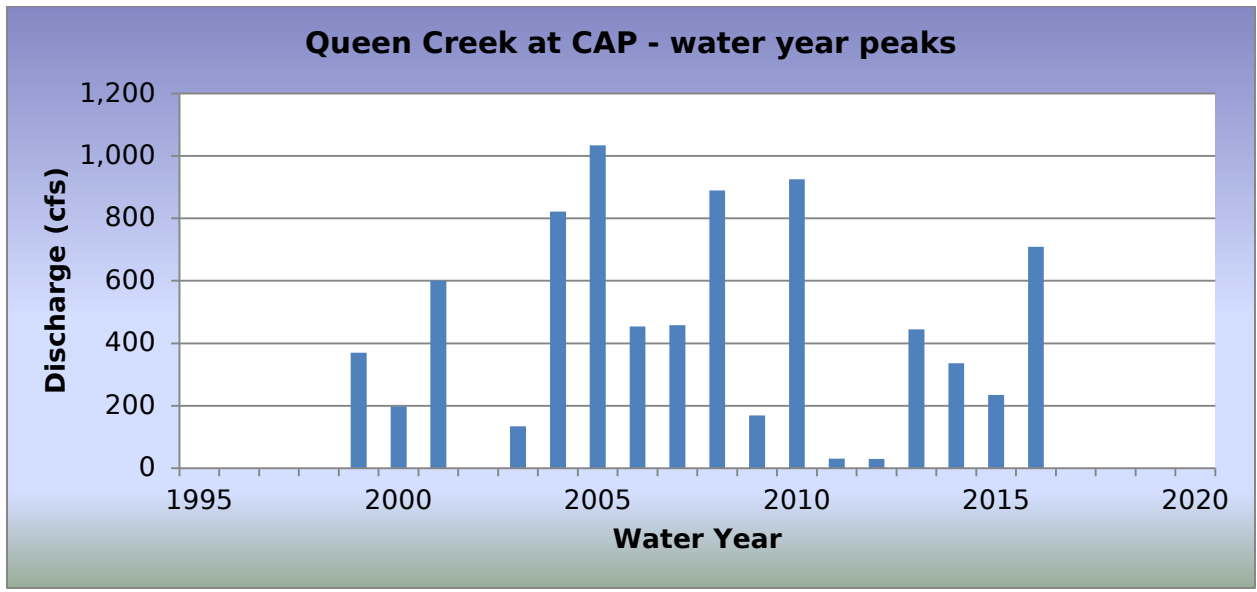
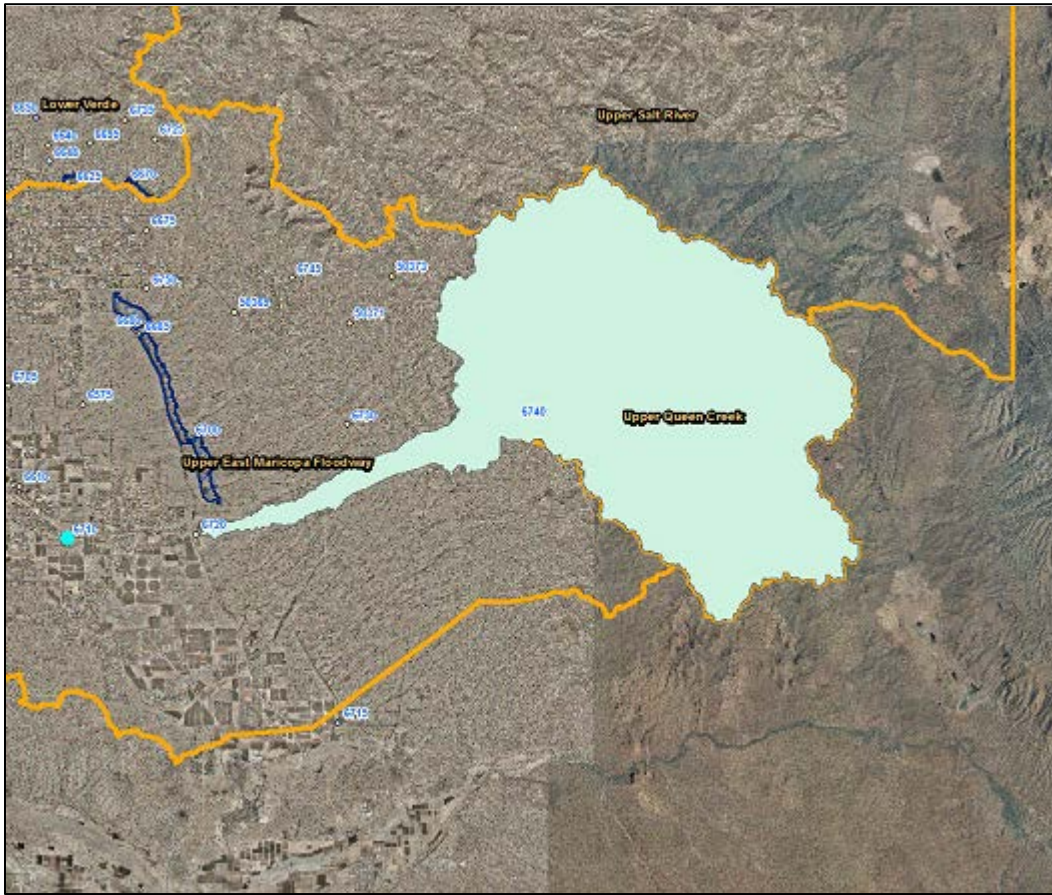
Queen Creek at CAP, ID #6723



Site Data

LOCATION	Located in Pinal County at the CAP crossing and the Sonoqui Dike
DRAINAGE AREA	256 mi ²
STREAM TYPE	Dike across natural stream
JURISDICTION	Pinal County, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S26 T2S R8E
LATITUDE	N 33° 13' 55.8" +33.23216
LONGITUDE	W 111° 30' 11.3" -111.50314
STREAMGAGE INSTALLATION DATE	01/14/1999 - WY 1999
AVAILABLE PERIOD OF RECORD	01/14/1999 - Current
LENGTH OF AVAILABLE POR DATA	17.71 Years 6,470 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,043 cfs 10.15 feet 02/12/2005

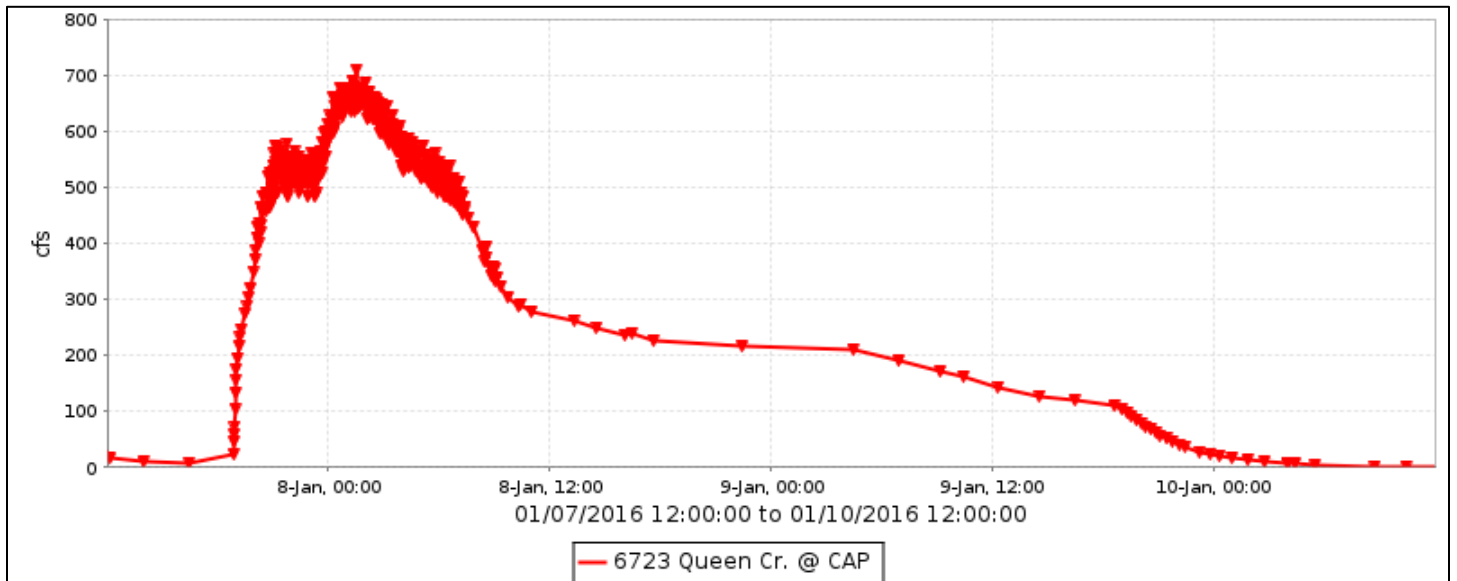
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/06/2016	3.15	214
01/08/2016	6.15	709
08/02/2016	2.65	123
08/04/2016	3.77	305
09/01/2016	1.35	41

Hydrograph of peak WY 2016 flow event, 01/08/2016



Flood Flow Frequency

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

Queen Creek at CAP, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												10
2											10	
3											20	
4											122	
5											18	
6				42								
7				160								
8				362								
9				148								
10				3								
11									---			
12									---			
13									---			
14												
15												
16												
17												
18												
19									---			
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---		3	---
TOTAL	0	0	0	715	0	0	0	0	0	0	173	10
MEAN	0	0	0	23	0	0	0	0	0	0	6	0
MAX	0	0	0	709	0	0	0	0	0	0	305	41
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	1418	0	0	0	0	0	0	344	19
WTR YR 2016	TOTAL	898	MEAN	2	MAX	709	MIN	0	AC_FT	1781		

Whitlow Ranch Dam, ID #6739



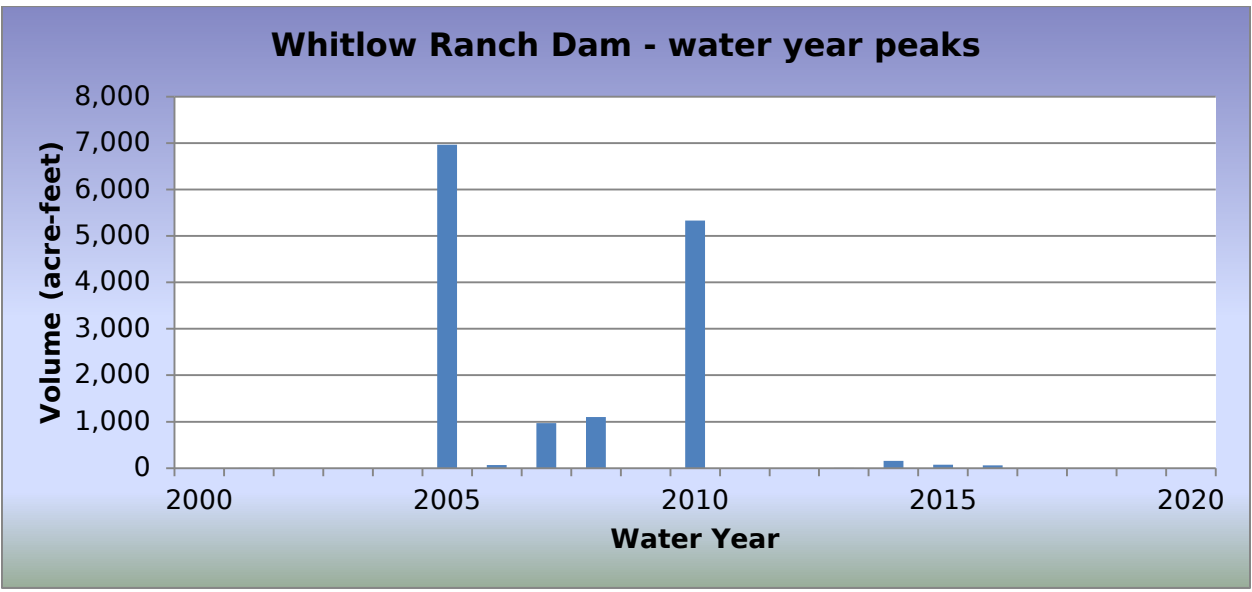
Site Data

LOCATION	East of Apache Junction near Queen Valley
DRAINAGE AREA	143 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Pinal County, Arizona
WATERSHED	Queen Creek
SECTION/TOWNSHIP/RANGE	S36 T1S R10E
LATITUDE	N 33° 17' 56.6" +33.29906
LONGITUDE	W 111° 16' 32.8" -111.27579
STREAMGAGE INSTALLATION DATE	08/02/2000 - WY 2000
AVAILABLE PERIOD OF RECORD	08/02/2000 - Current
LENGTH OF AVAILABLE POR DATA	16.16 Years 5,904 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	3.30 feet Gage Height
STAFF GAGES	28
ZERO GAGE HEIGHT ELEVATION	2,056.00 feet M.S.L.
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	110.0 feet Gage Height
TOP OF DAM ELEVATION	143.0 feet Gage Height

Watershed Map



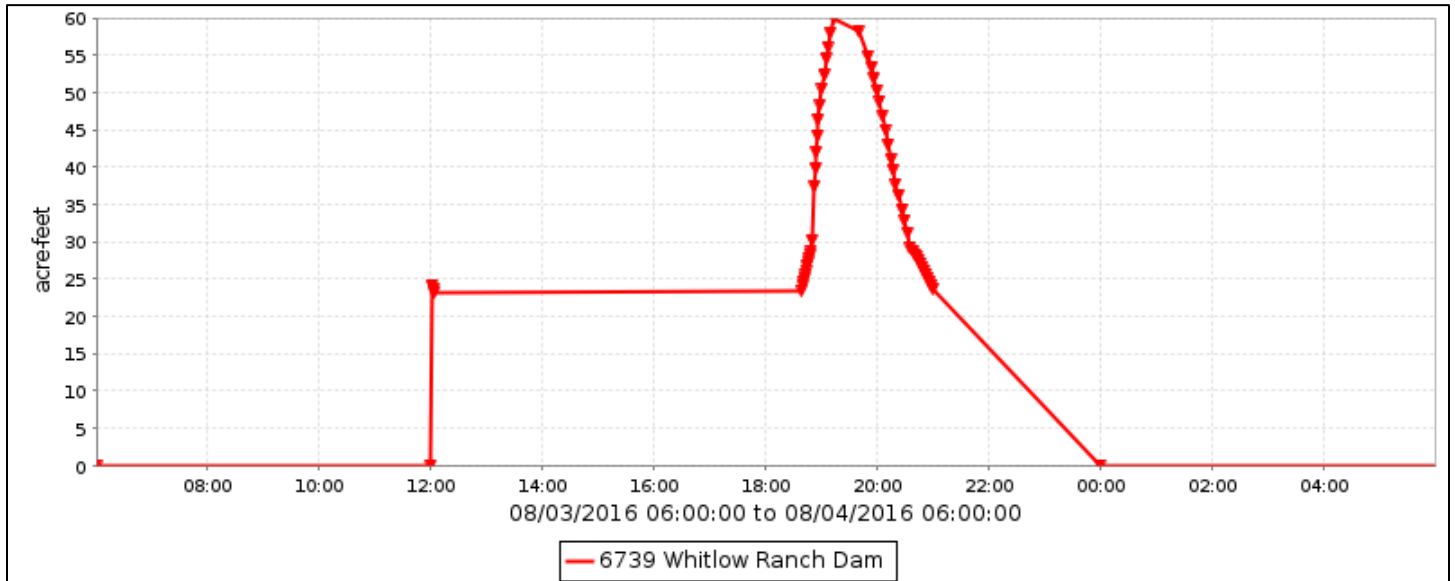
Whitlow Ranch Dam - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/03/2016	15.08	60	0.6
08/05/2016	13.72	27	0.2

Hydrograph of peak WY 2016 impoundment event, 08/03/2016



Whitlow Ranch Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3											160	
4										---		
5											62	
6											332	
7	---			146							---	
8				43								
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	189	0	0	0	0	0	0	1007	0
MEAN	0	0	0	6	0	0	0	0	0	0	32	0
MAX	0	0	0	392	0	0	0	0	0	0	362	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	375	0	0	0	0	0	0	1997	0
WTR YR 2016	TOTAL	1196	MEAN	3	MAX	392	MIN	0	AC_FT	2371		

Whitlow Ranch Dam, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3											14	
4										---		
5											5	
6											27	
7	---			36							---	
8				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	1	0	0	0	0	0	0	3	0
MAX	0	0	0	116	0	0	0	0	0	0	60	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	116	MIN	0					

Whitlow Ranch Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
3	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.2	13.0
4	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	---	13.0	13.0
5	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.0
6	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.6	13.0
7	---	13.0	13.0	14.2	13.0	13.0	13.0	13.0	13.0	13.0	---	13.0
8	13.0	13.0	13.0	13.3	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
10	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
11	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
12	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
13	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
14	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
15	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
16	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
17	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
18	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	---	13.0	13.0
19	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	---	13.0	13.0
20	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
21	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
22	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
23	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
24	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	---	13.0	13.0	13.0
25	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
26	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
27	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	---	13.0	13.0	13.0
28	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
29	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
30	13.0	13.0	13.0	13.0	---	13.0	13.0	13.0	---	13.0	13.0	13.0
31	13.0	---	13.0	13.0	---	13.0	---	13.0	---	13.0	13.0	---
MEAN	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.0
MAX	13.0	13.0	13.0	17.0	13.0	13.0	13.0	13.0	13.0	13.0	15.1	13.0
MIN	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
WTR YR 2016	MEAN	13.01	MAX	17.04	MIN	13.00						

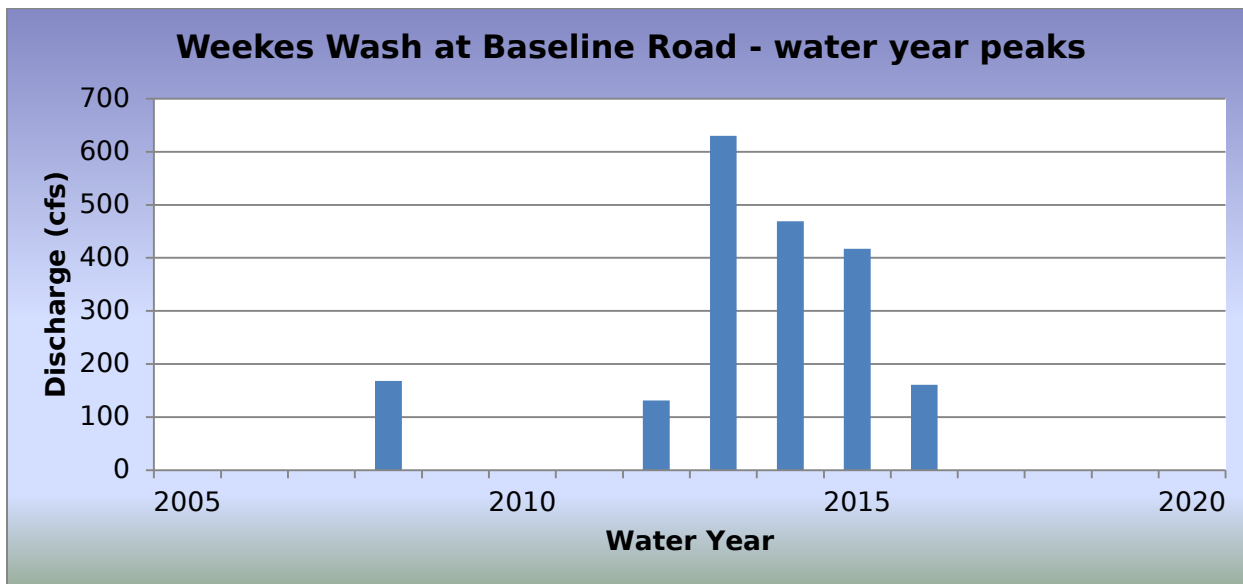
Weekes Wash at Baseline Road, ID #6753



Site Data

LOCATION	Baseline Road between Idaho and Tomahawk Roads
DRAINAGE AREA	11.9 mi ²
STREAM TYPE	Engineered channel of natural stream
JURISDICTION	Apache Junction, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S04 T1S R8E
LATITUDE	N 33° 22' 43.7" +33.37881
LONGITUDE	W 111° 32' 15.1" -111.53752
STREAMGAGE INSTALLATION DATE	05/27/2008 - WY 2008
AVAILABLE PERIOD OF RECORD	05/27/2008 - Current
LENGTH OF AVAILABLE POR DATA	8.35 Years 3,049 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height

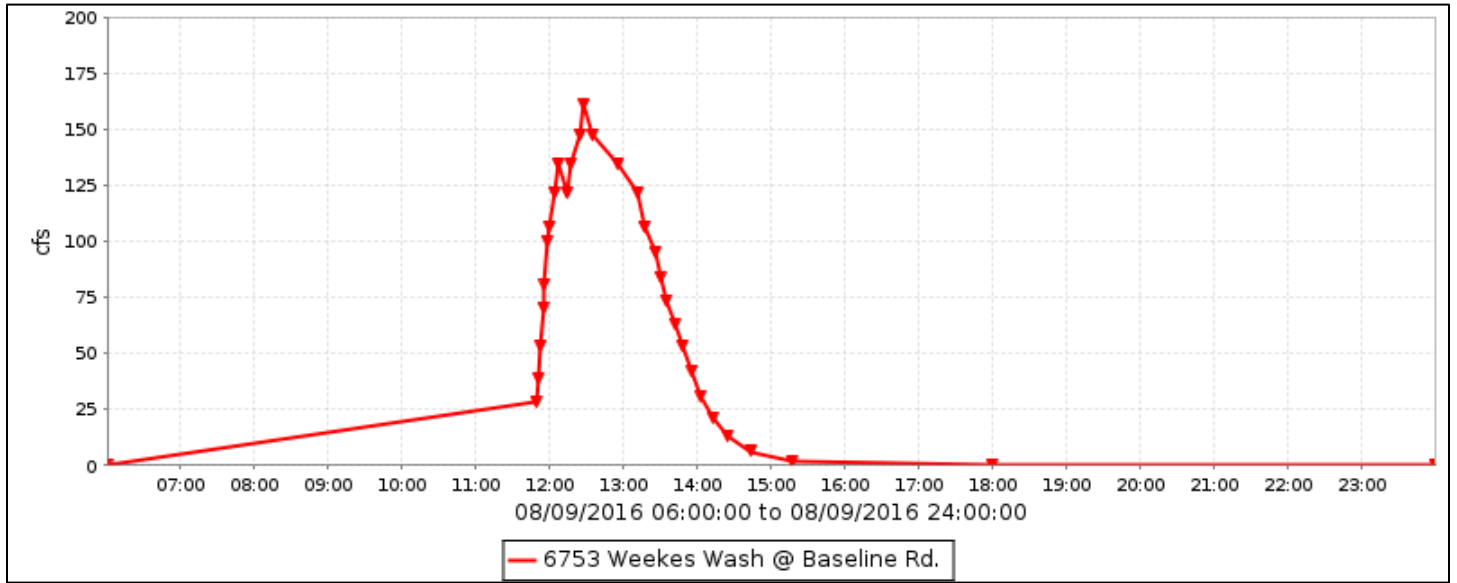
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/09/2016	1.77	161

Hydrograph of peak WY 2016 flow event, 08/09/2016



Flood Flow Frequency

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

Weekes Wash at Baseline Road, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---										
2												
3												
4												
5												
6												
7				2								
8												
9										11		
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	2	0	0	0	0	0	0	11	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	17	0	0	0	0	0	0	161	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	4	0	0	0	0	0	0	22	0
WTR YR 2016	TOTAL	13	MEAN	0	MAX	161	MIN	0	AC_FT	26		

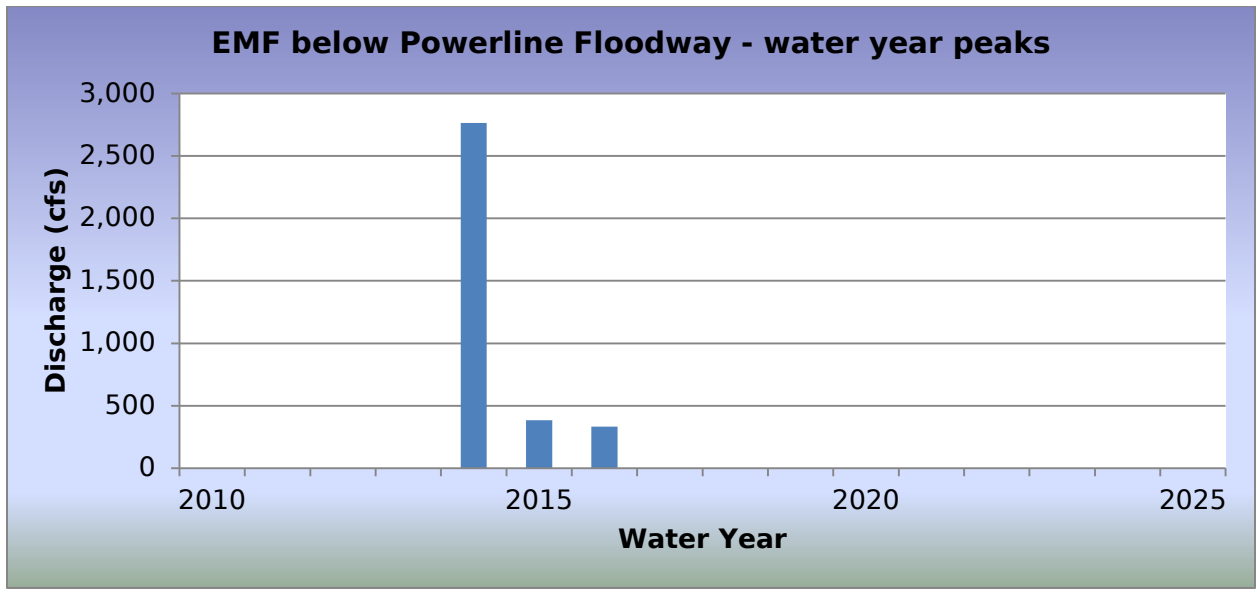
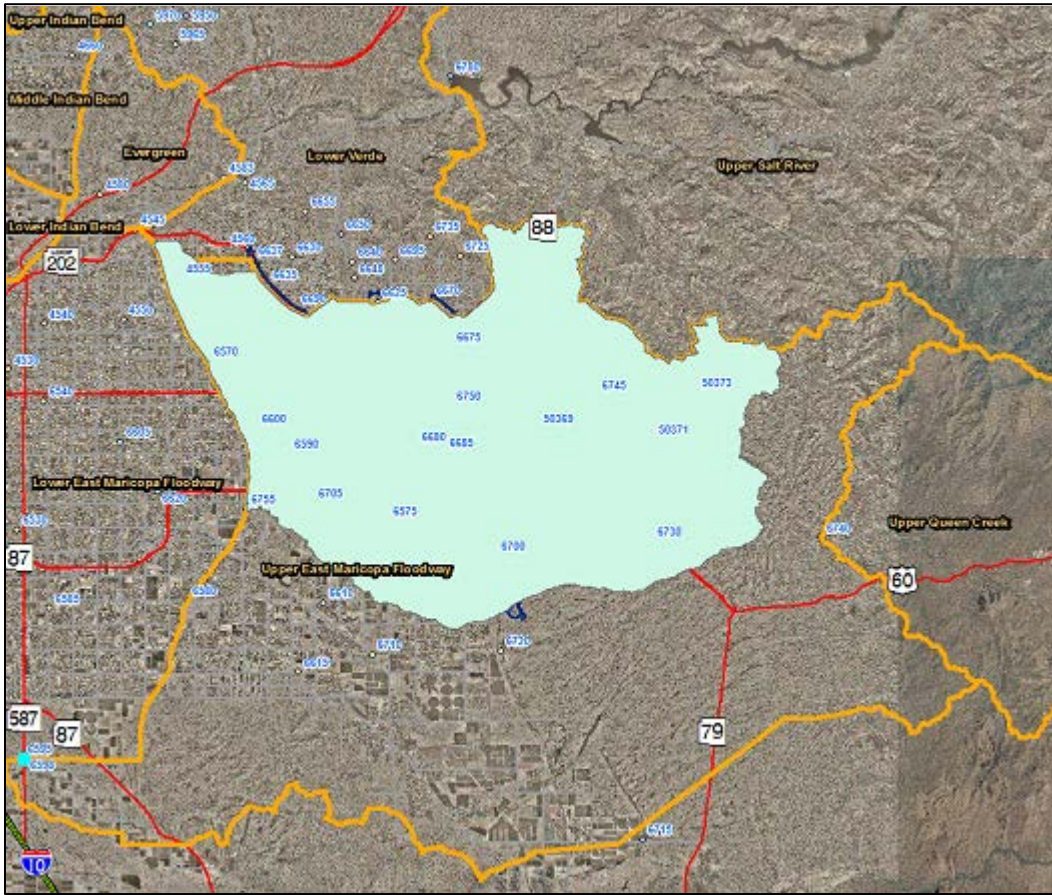
East Maricopa Fldwy below Powerline Floodway, ID #6758



Site Data

LOCATION	Located about 1/3 mile downstream from Powerline Floodway
DRAINAGE AREA	257 mi ²
STREAM TYPE	Concrete Lined Channel
JURISDICTION	Mesa, Arizona
WATERSHED	Lower EMF
SECTION/TOWNSHIP/RANGE	S30 T1S R7E
LATITUDE	N 33° 19' 01.7" +33.31715
LONGITUDE	W 111° 41' 03.3" -111.68424
STREAMGAGE INSTALLATION DATE	04/15/2014 - WY 2014
AVAILABLE PERIOD OF RECORD	04/15/2014 - Current
LENGTH OF AVAILABLE POR DATA	2.46 Years 808 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,765 cfs 4.98 feet 09/08/2014

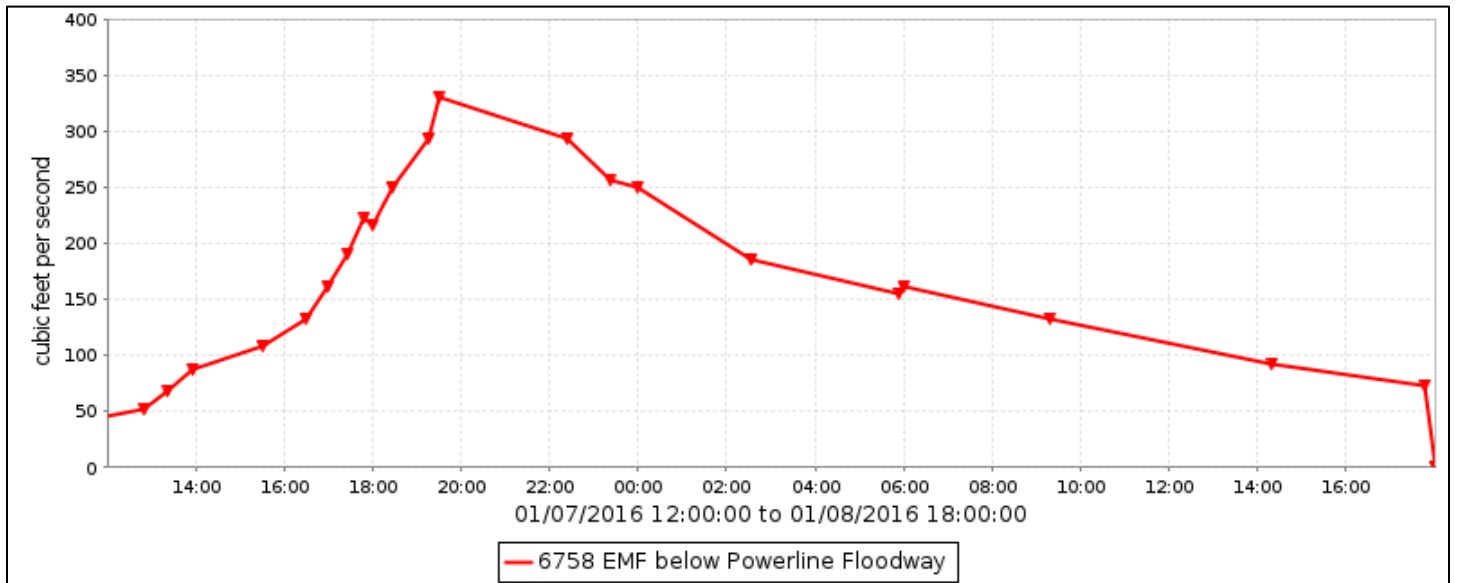
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/07/2016	1.49	331
08/09/2016	1.30	260

Hydrograph of peak WY 2016 flow event, 01/07/2016



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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7				97								
8				117								
9										52		
10										8		
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	214	0	0	0	0	0	0	60	0
MEAN	0	0	0	7	0	0	0	0	0	0	2	0
MAX	0	0	0	331	0	0	0	0	0	0	260	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	424	0	0	0	0	0	0	120	0
WTR YR 2016	TOTAL		274	MEAN	1	MAX	331	MIN	0	AC_FT	544	

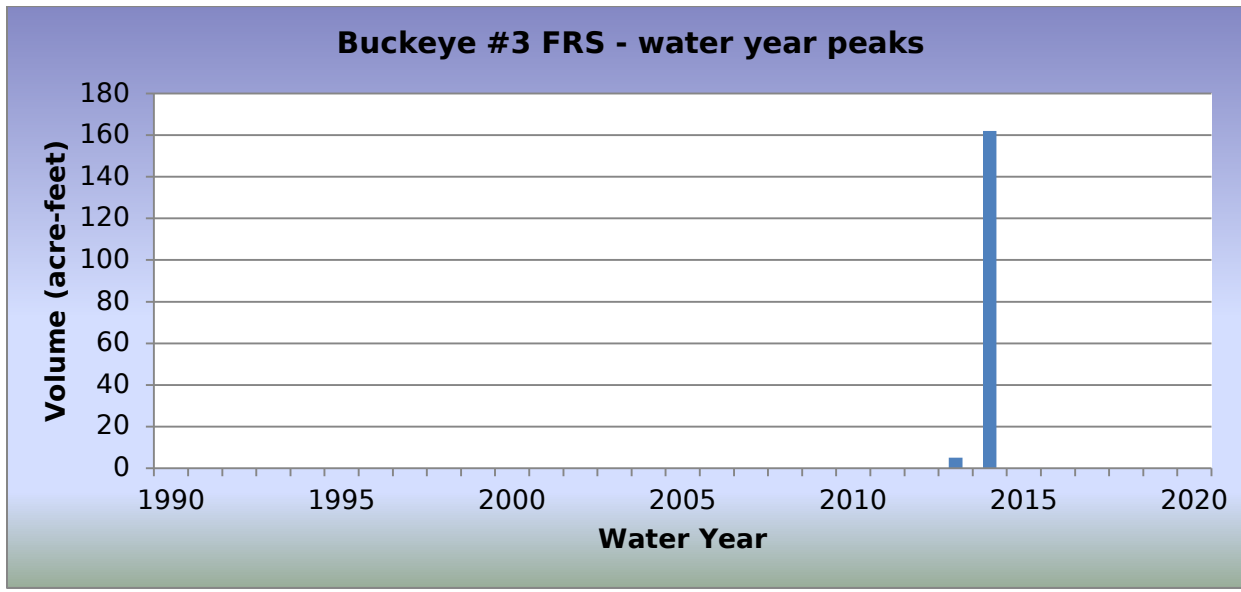
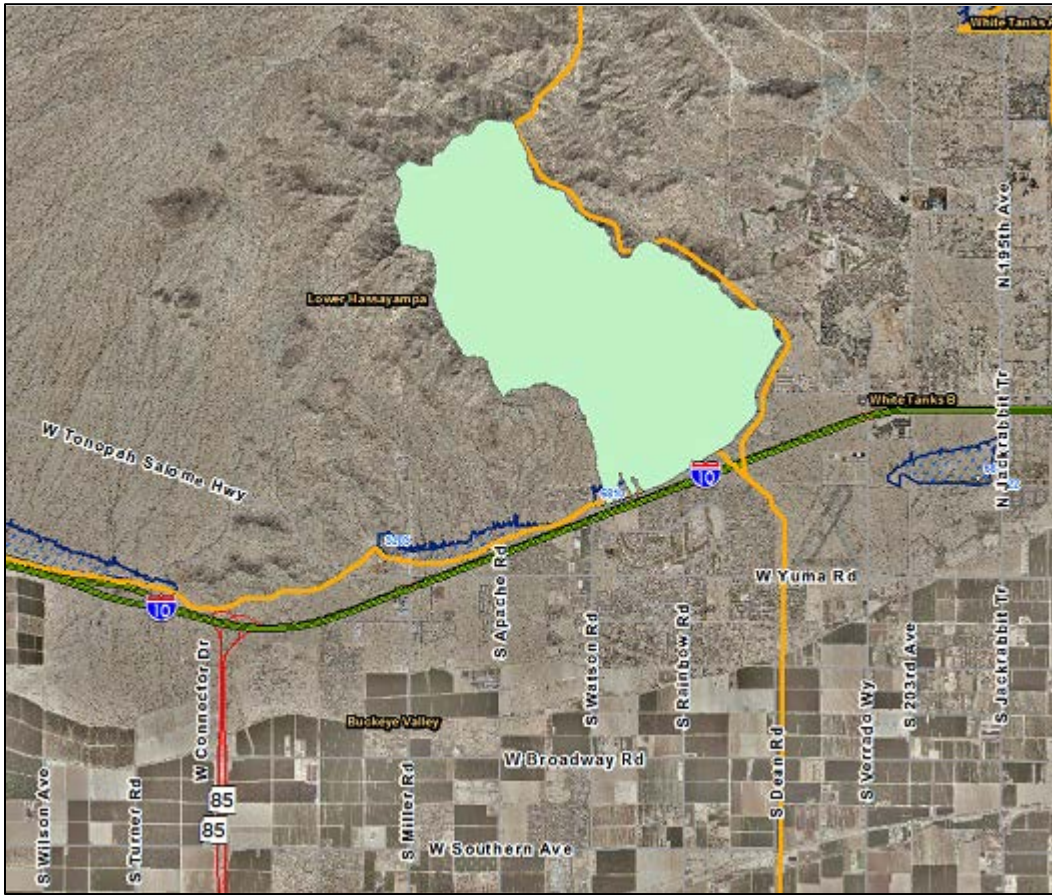
Buckeye FRS #3, ID #6813



Site Data

LOCATION	Located north of I-10 near Watson Road
DRAINAGE AREA	9.3 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Buckeye, Arizona
WATERSHED	Lower Hassyampa
SECTION/TOWNSHIP/RANGE	S10 T1N R3W
LATITUDE	N 33° 26' 49.5" +33.44707
LONGITUDE	W 112° 33' 21.4" -112.55593
STREAMGAGE INSTALLATION DATE	11/23/1992 - WY 1993
AVAILABLE PERIOD OF RECORD	11/23/1992 - Current
LENGTH OF AVAILABLE POR DATA	23.85 Years 8,713 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	-4.08 feet Gage Height
STAFF GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,151.07 Feet NAVD 1988
POINT OF ZERO FLOW	-4.18 feet Gage Height
SPILLWAY ELEVATION	14.00 feet Gage Height
TOP OF DAM ELEVATION	20.30 feet Gage Height

Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/03/2016	15.08	60	0.6
08/05/2016	13.72	27	0.2

There were no impoundments recorded during Water Year 2016.

Buckeye FRS #3, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	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															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29										1					
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	4	0	0	2	0	0	0	0	0	7	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	1	4	0			
WTR YR 2016	TOTAL		3	MEAN		0	MAX		8	MIN		0	AC_FT		5

Buckeye FRS #3, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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 2016	MEAN	0	MAX	0	MIN	0						

Buckeye FRS #3, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	-4.0	-4.1
11	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.0	-4.1
12	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
13	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
14	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
15	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
16	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
17	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
18	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
19	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
20	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
21	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
22	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
23	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
24	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
25	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
26	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
27	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
28	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
29	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.0	-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	-3.8	-4.1	-4.0	-4.0	-4.1	-4.1	-4.1	-4.1	-4.1	-3.4	-3.2	-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 2016	MEAN	-4.08	MAX	-3.16	MIN	-4.08						

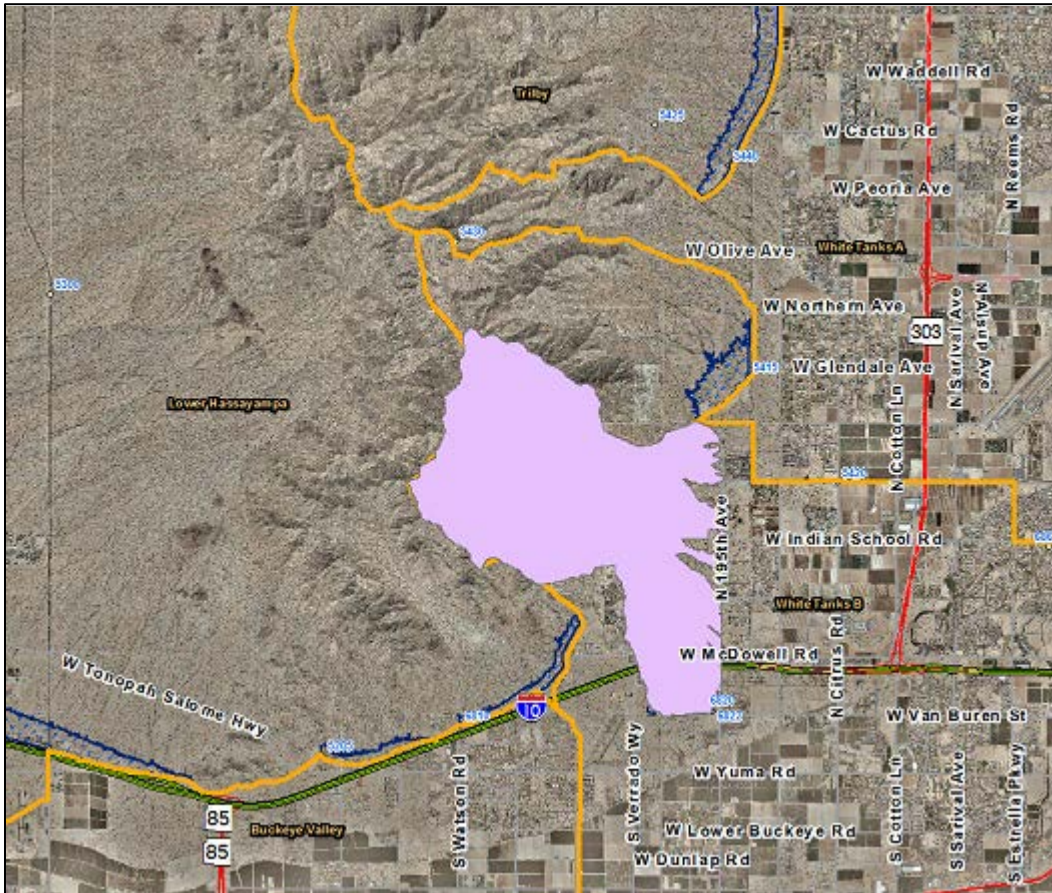
White Tanks FRS #4, ID #6823



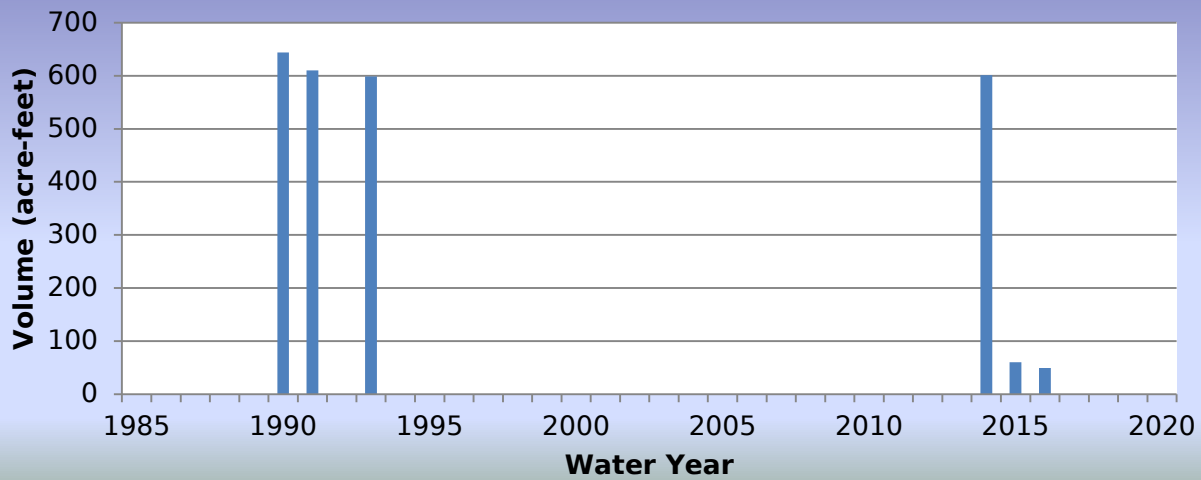
Site Data

LOCATION	Located south of I-10 and west of Jackrabbit Trail
DRAINAGE AREA	18.6 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Buckeye, Arizona
WATERSHED	White Tanks B
SECTION/TOWNSHIP/RANGE	S05 T1N R2W
LATITUDE	N 33° 27' 05.2" +33.45145
LONGITUDE	W 112° 29' 57.6" -112.48268
STREAMGAGE INSTALLATION DATE	01/09/1986 - WY 1986
AVAILABLE PERIOD OF RECORD	10/01/1987 - Current
LENGTH OF AVAILABLE POR DATA	29.00 Years 10,593 Days
GAPS (> 2 DAYS) IN RECORD	06/01/2011 - 11/16/2011
6822 ZERO GH ELEVATION	1,041.07 feet NAVD88
6823 ZERO GH ELEVATION	1,032.50 feet NAVD88
STAFF GAGE ZERO GH ELEVATION	1039.80 feet NAVD88
STAFF GAGES	3
PZF (EAST GATED OUTLET)	1,040.82 feet NAVD88
PZF (WEST GATED OUTLET)	1,043.53 feet NAVD88
SPILLWAY ELEV. (EAST SPILLWAY CREST)	1,051.40 feet NAVD88
SPILLWAY ELEV. (WEST SPILLWAY CREST)	1,051.50 feet NAVD88
TOP OF DAM ELEVATION	1,056.00 feet NAVD88

Watershed Map



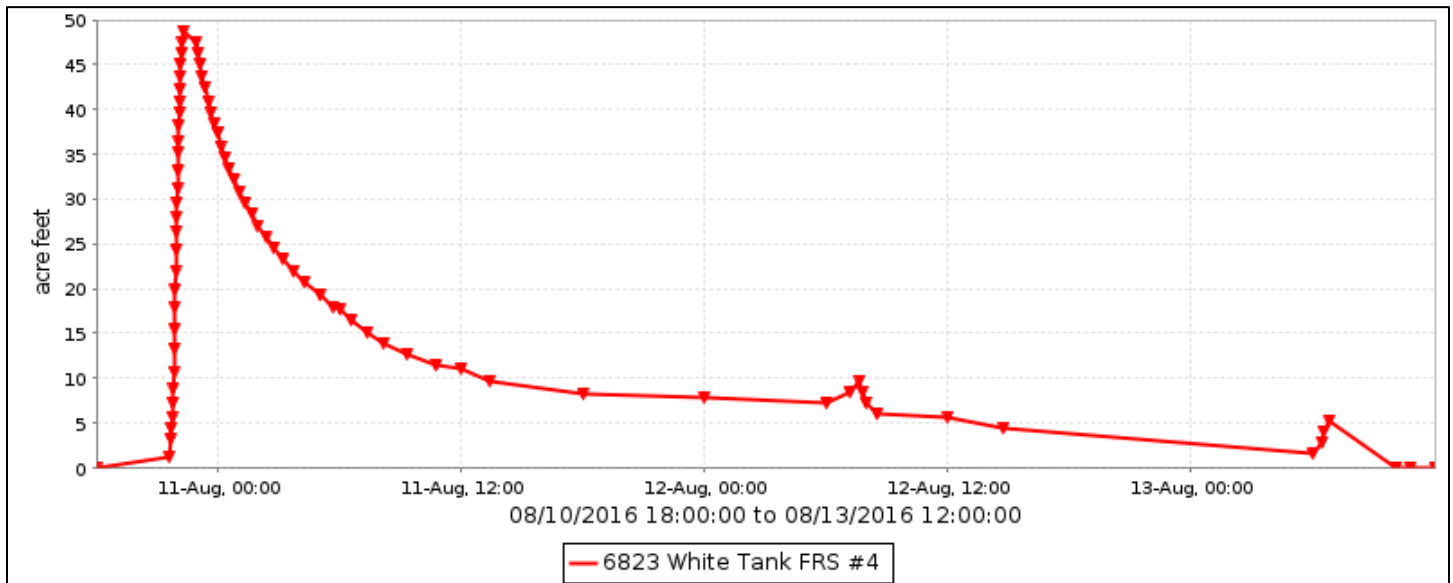
White Tanks FRS #4 - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/10/2016	3.86	49	0.1

Hydrograph of peak WY 2016 flow event, 08/10/2016



White Tanks FRS #4, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values													
	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		---			---		---		---			---		
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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT	0

White Tanks FRS #4, volume data

Volume, in acre feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												---
5												---
6				22								
7		---		25								
8		---		23								
9				20								
10				17							4	
11				15							14	
12				13							6	
13				11							2	
14				10								
15				8								
16				6								
17				5								
18				4								
19				2								
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30						---						
31		---				---		---		---		---
MEAN	0	0	0	6	0	0	0	0	0	0	1	0
MAX	0	0	0	27	0	0	1	0	0	0	49	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		1	MAX	49	MIN	0					

White Tanks FRS #4, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	---
5	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	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	---	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	---	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
11	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0
12	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
13	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
14	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
MAX	0.0	0.0	0.0	2.1	0.0	0.0	0.1	0.0	0.0	0.0	3.9	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WTR YR 2016	MEAN	0.04	MAX	3.86	MIN	0.00						

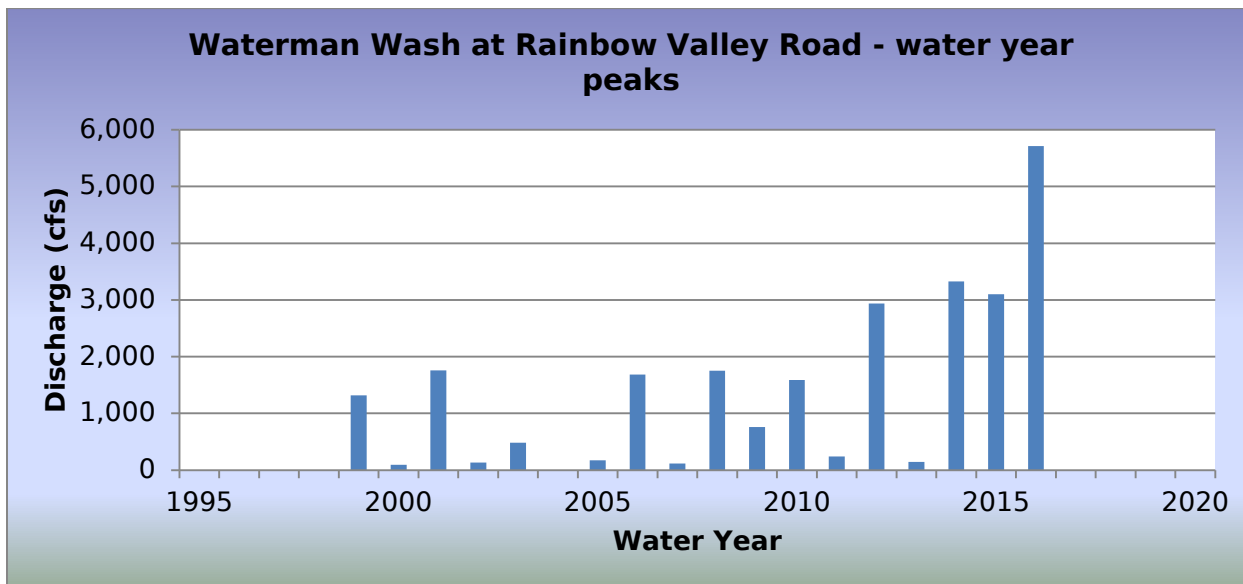
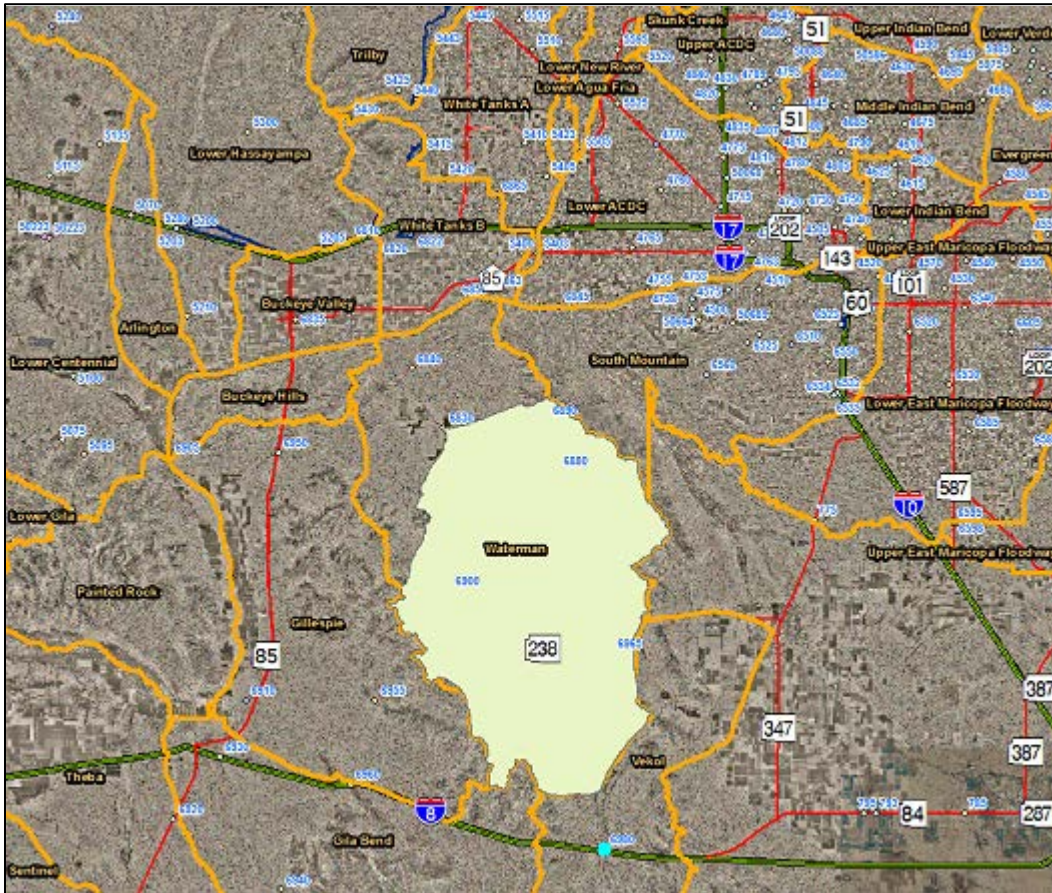
Waterman Wash at Rainbow Valley Road, ID #6833



Site Data

LOCATION	At Rainbow Valley Road and Queen Creek Road
DRAINAGE AREA	362 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Goodyear, Arizona
WATERSHED	Waterman
SECTION/TOWNSHIP/RANGE	S10 T2S R2W
LATITUDE	N 33° 15' 42.2" +33.26173
LONGITUDE	W 112° 26' 38.5" -112.44404
STREAMGAGE INSTALLATION DATE	03/18/1999 - WY 1999
AVAILABLE PERIOD OF RECORD	03/18/1999 - Current
LENGTH OF AVAILABLE POR DATA	17.54 Years 6,407 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.00 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,010.26 feet NAVD 1988
POINT OF ZERO FLOW	1.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,713 cfs 10.82 feet 07/30/2016

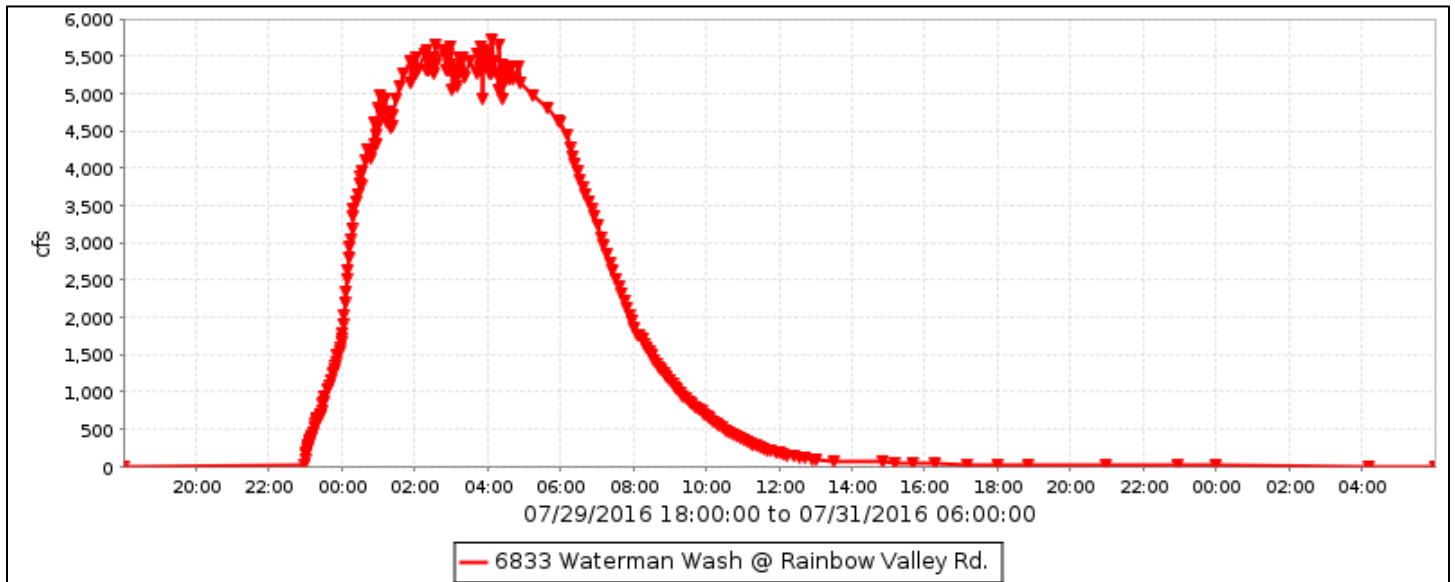
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/30/2016	10.82	5,713
08/11/2016	2.29	116

Hydrograph of peak WY 2016 flow event, 07/30/2016



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
697	2,220	3,980	6,340	10,600	14,800

NOTE: These results are based on very limited data.

Waterman Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												---
5												---
6												
7												
8												
9												
10												
11											10	
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29										35		
30					---					1660		
31		---			---		---		---	2		---
TOTAL	0	0	0	0	0	0	0	0	0	1697	10	0
MEAN	0	0	0	0	0	0	0	0	0	55	0	0
MAX	0	0	0	0	0	0	0	0	0	5713	116	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	3366	21	0
WTR YR 2016	TOTAL	1708	MEAN	5	MAX	5713	MIN	0	AC_FT	3387		

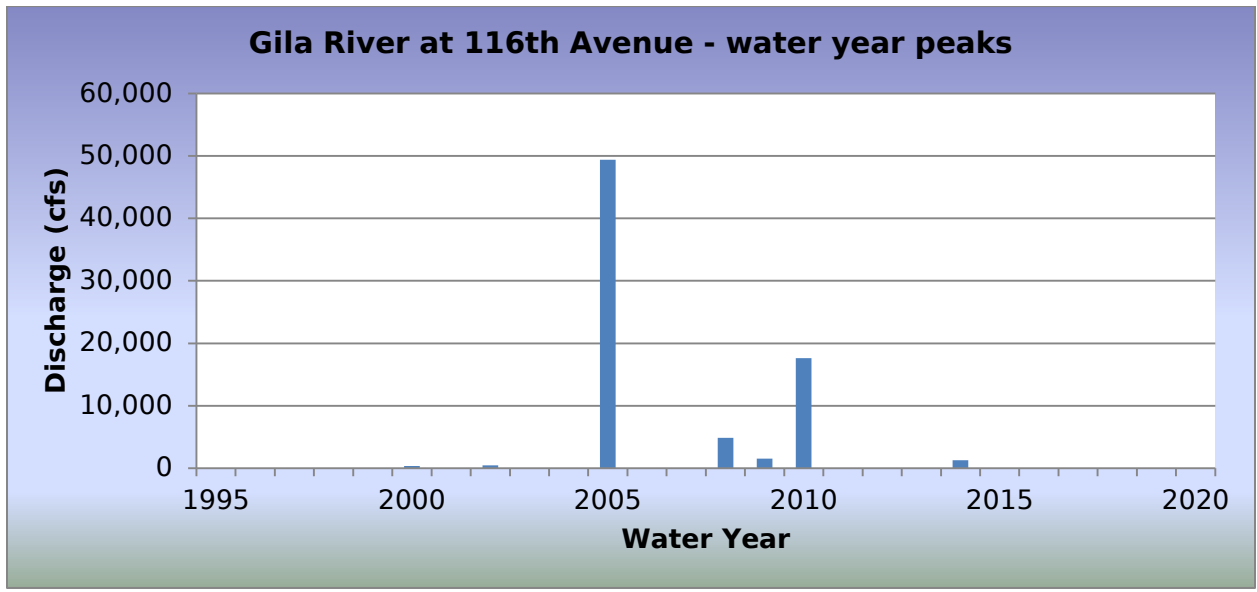
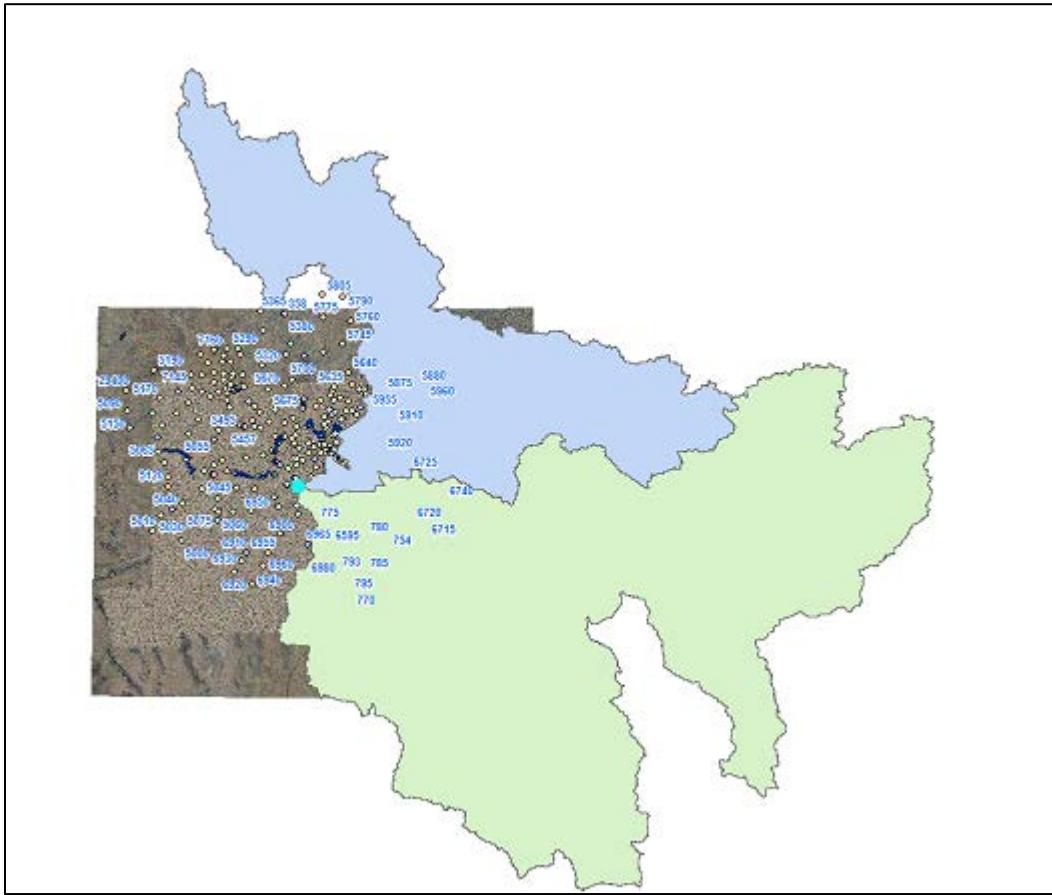
Gila River at 116th Avenue, ID #6848



Site Data

LOCATION	Located on the Avondale Boulevard bridge crossing of the Gila River
DRAINAGE AREA	43,300 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Avondale, Arizona
WATERSHED	Lower ACDC / South Mountain
SECTION/TOWNSHIP/RANGE	S36 T1N R1W
LATITUDE	N 33° 22' 58.2" +33.38282
LONGITUDE	W 112° 18' 29.2" -112.30812
STREAMGAGE INSTALLATION DATE	12/16/1998 - WY 1999
AVAILABLE PERIOD OF RECORD	12/16/1998 - Current
LENGTH OF AVAILABLE POR DATA	17.79 Years 6,499 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.15 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	927.14 feet M.S.L.
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



2016 Events

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

Hydrograph of peak WY 2016 flow event

There were no runoff events recorded in Water Year 2016.

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 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1								---							
2															
3															
4															
5						---									
6															
7															
8															
9															
10															
11															
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13															
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

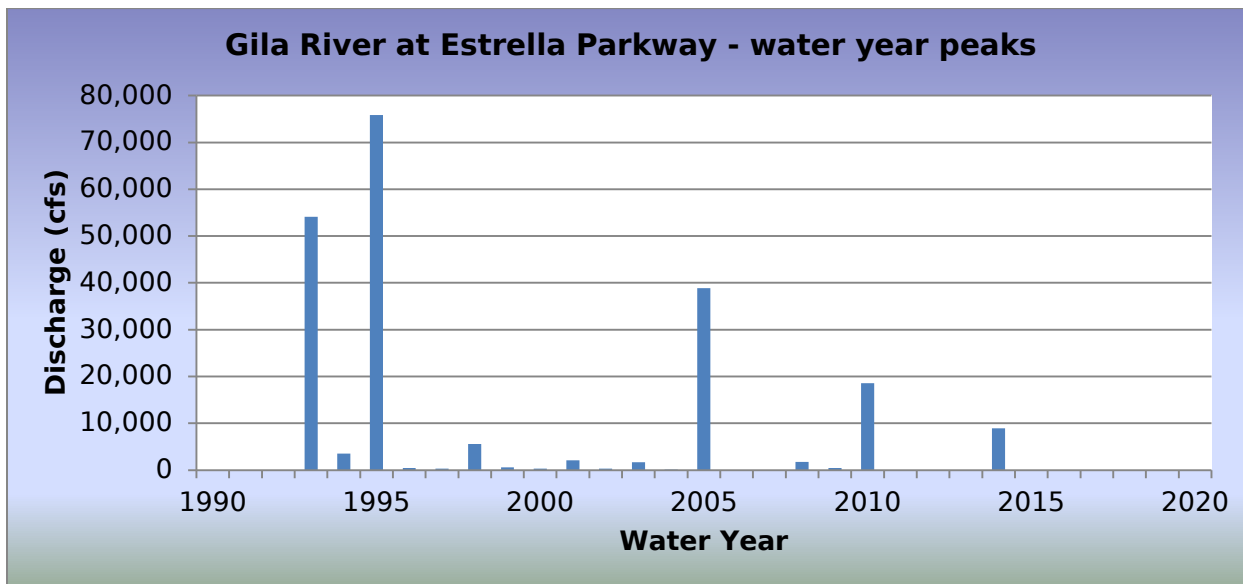
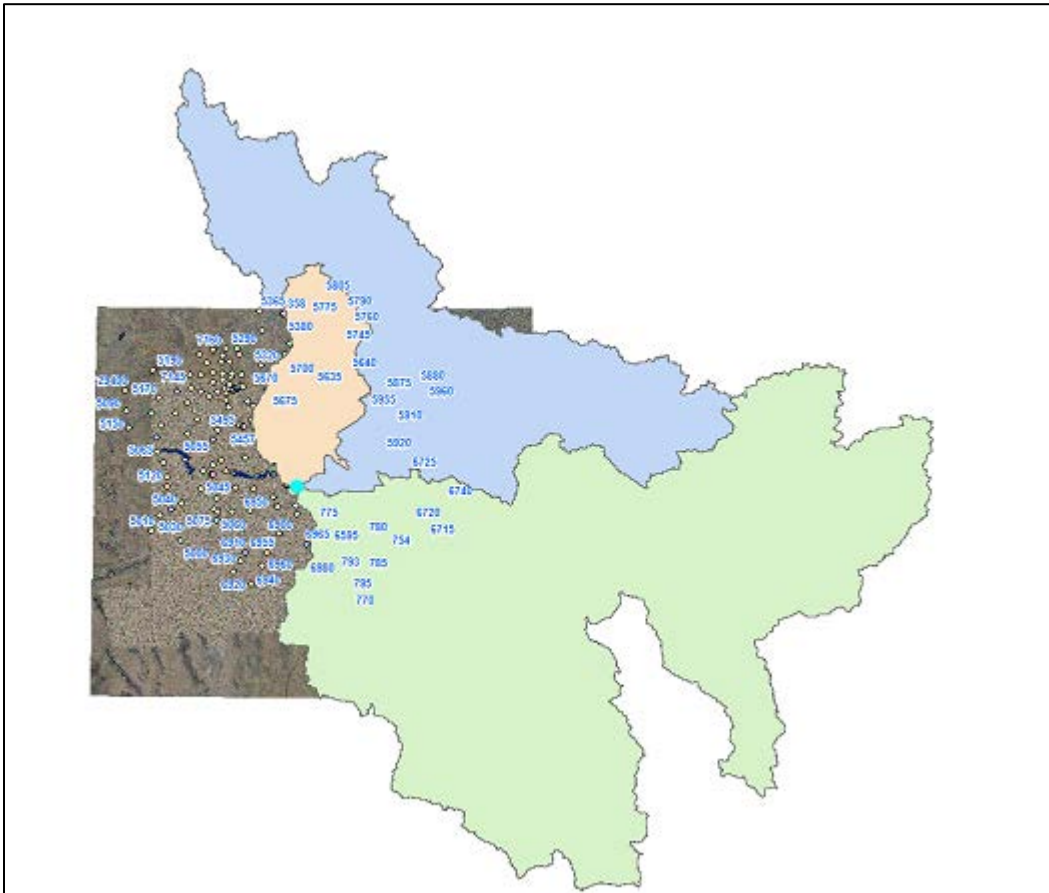
Gila River at Estrella Parkway, ID #6853



Site Data

LOCATION	Located at Estrella Parkway crossing of the Gila River
DRAINAGE AREA	45,585 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Goodyear, Arizona
WATERSHED	Waterman
SECTION/TOWNSHIP/RANGE	S31 T1N R1W
LATITUDE	N 33° 23' 20.6" +33.38908
LONGITUDE	W 112° 23' 32.9" -112.39248
STREAMGAGE INSTALLATION DATE	12/02/1992 - WY 1993
AVAILABLE PERIOD OF RECORD	12/02/1992 - Current
LENGTH OF AVAILABLE POR DATA	23.83 Years 8,704 Days
GAPS (> 2 DAYS) IN RECORD	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	883.11 feet M.S.L.
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



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded during Water Year 2016.

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 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4												---			
5		---										---			
6	---														
7	---														
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25										---					
26										---					
27															
28															
29															
30					---										
31		---			---		---		---			---			
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	0	0	0	0	0	0	0	0	0	0	0	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0			
WTR YR 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

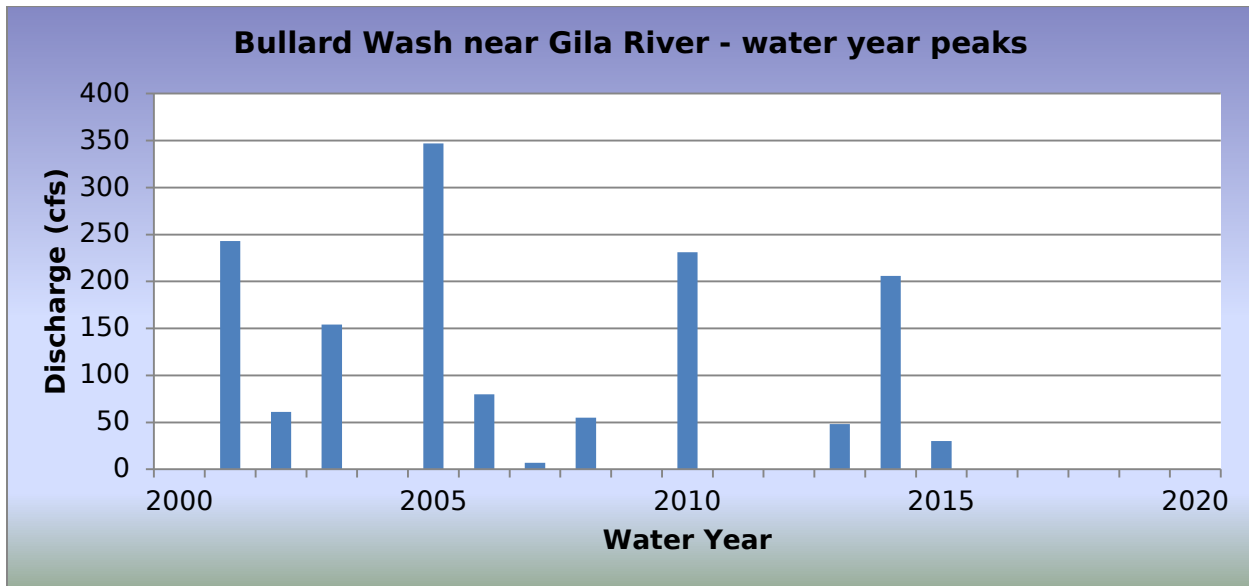
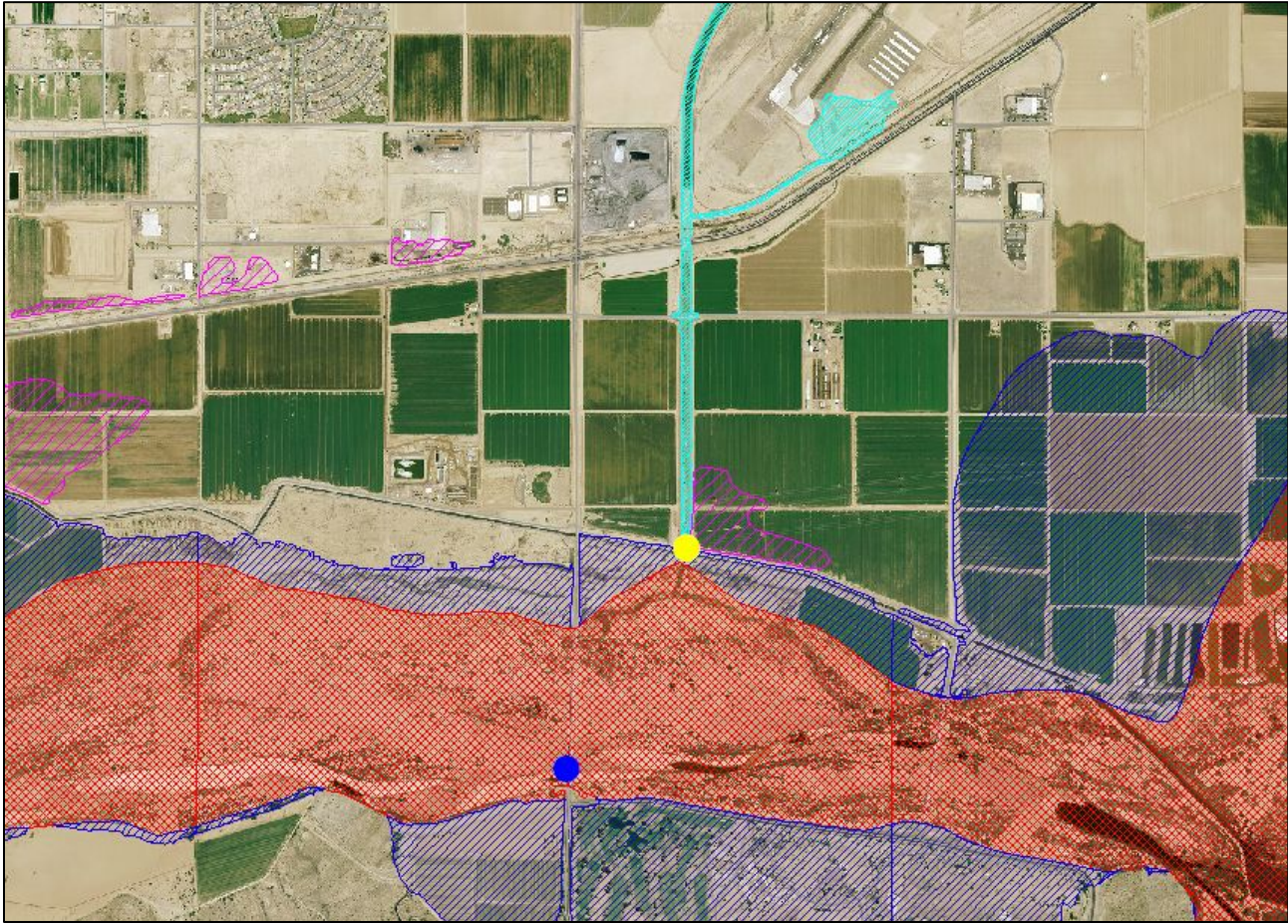
Bullard Wash at Gila River, ID #6863



Site Data

LOCATION	Located north of the Gila River and east of Estrella Parkway
DRAINAGE AREA	44.7 mi ²
STREAM TYPE	Engineered Channel
JURISDICTION	Goodyear, Arizona
WATERSHED	White Tanks A
SECTION/TOWNSHIP/RANGE	S29 T1N R1W
LATITUDE	N 33° 23' 51.1" +33.39754
LONGITUDE	W 112° 23' 13.6" -112.38712
STREAMGAGE INSTALLATION DATE	03/30/2000 - WY 2000
PERIOD OF AVAILABLE DATA RECORD	03/30/2000 - Current
LENGTH OF AVAILABLE POR DATA	16.51 Years 6,029 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.19 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	906.50 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	347 cfs 1.29 feet 08/02/2005

Location Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There were no runoff events recorded in Water Year 2016.

Flood Flow Frequency

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

Bullard Wash at Gila River, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
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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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

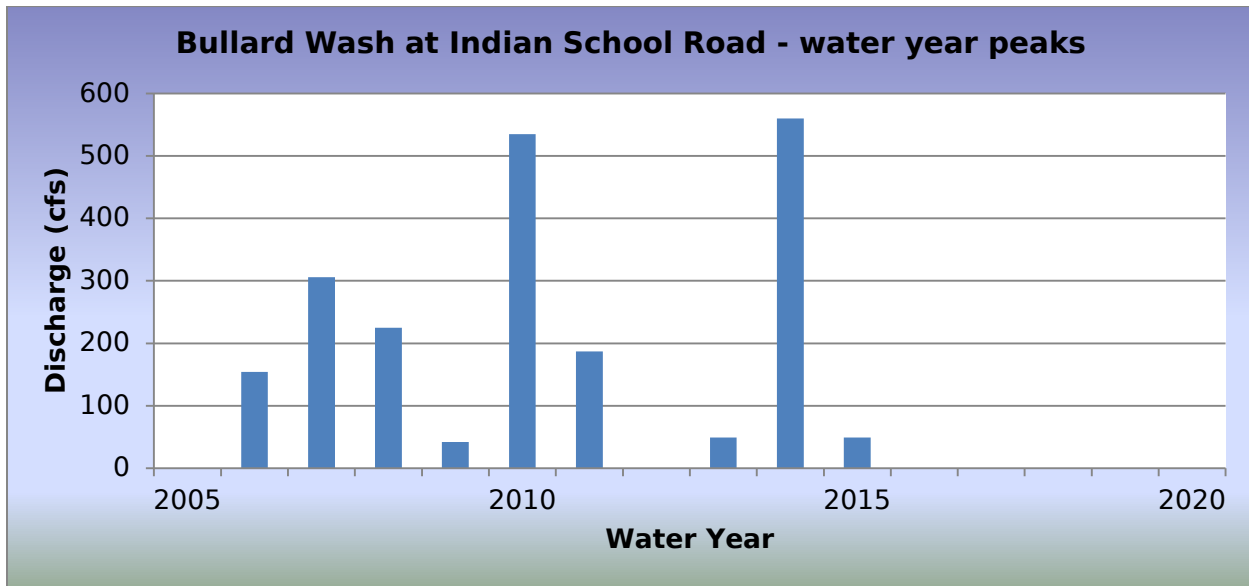
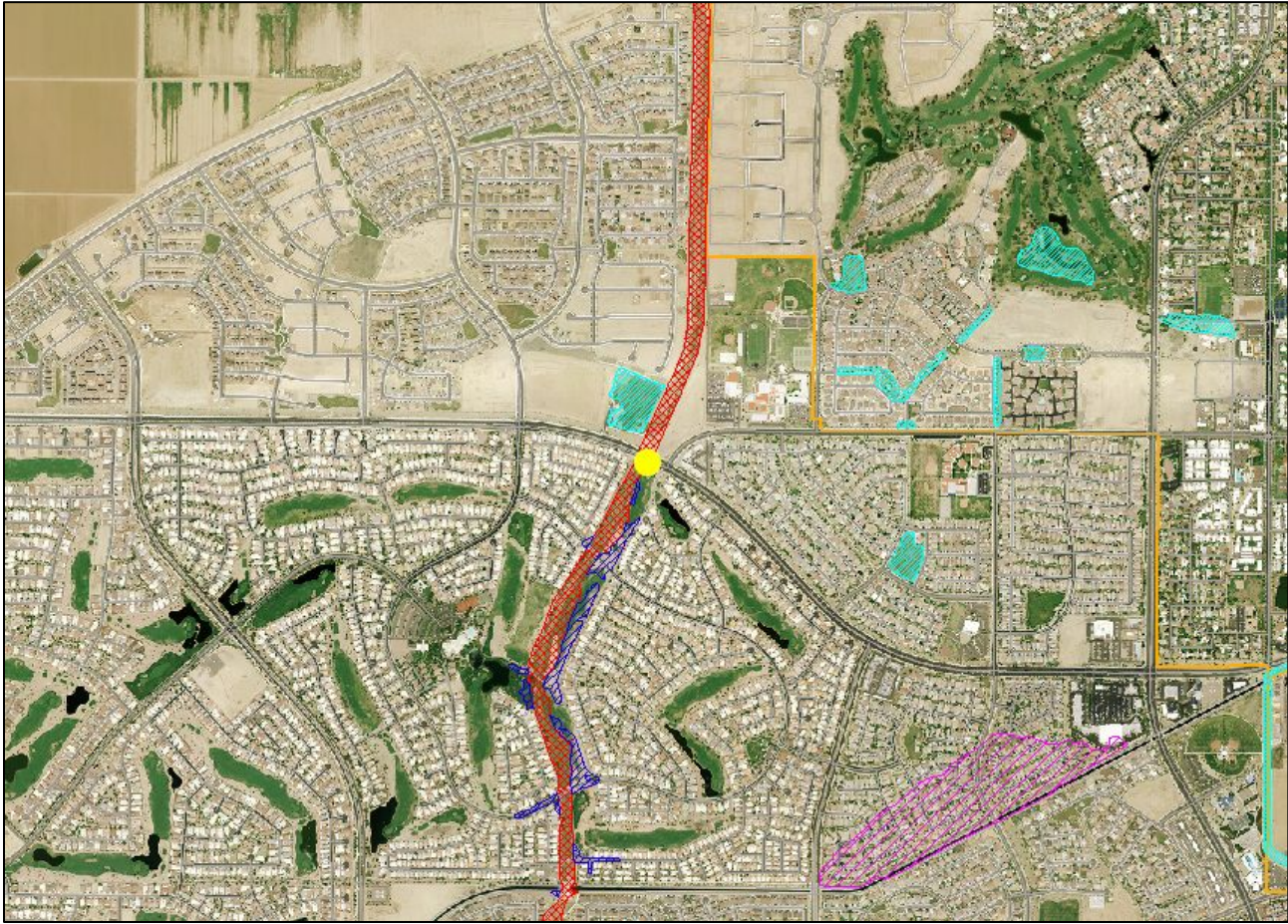
Bullard Wash at Indian School Road, ID #6868



Site Data

LOCATION	Located near Indian School Road and Wigwam Boulevard
DRAINAGE AREA	14.6 mi ²
STREAM TYPE	Channelized natural stream
JURISDICTION	Goodyear, Arizona
WATERSHED	White Tanks A
SECTION/TOWNSHIP/RANGE	S29 T2N R1W
LATITUDE	N 33° 29' 32.7" +33.49242
LONGITUDE	W 112° 22' 54.1" -112.38168
STREAMGAGE INSTALLATION DATE	06/27/2006 - WY 2006
AVAILABLE PERIOD OF RECORD	06/27/2006 - Current
LENGTH OF AVAILABLE POR DATA	10.26 Years 3,749 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	560 cfs 2.68 feet 09/27/2014

Location Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There were no runoff events recorded in Water Year 2016.

Flood Flow Frequency

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

Bullard Wash at Indian School Road, ID #6868

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2											3				
3															
4											1	---			
5												---			
6															
7															
8															
9															
10															
11											3				
12															
13															
14															
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16															
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22															
23															
24										---					
25										---					
26										---					
27															
28															
29															
30					---										
31		---			---		---		---			---			
TOTAL	1	0	0	0	0	0	0	0	0	0	9	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	3	0	0	0	0	0	0	0	0	0	20	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	1	0	0	0	0	0	0	0	0	0	17	0			
WTR YR 2016	TOTAL		9	MEAN		0	MAX		20	MIN		0	AC_FT		18

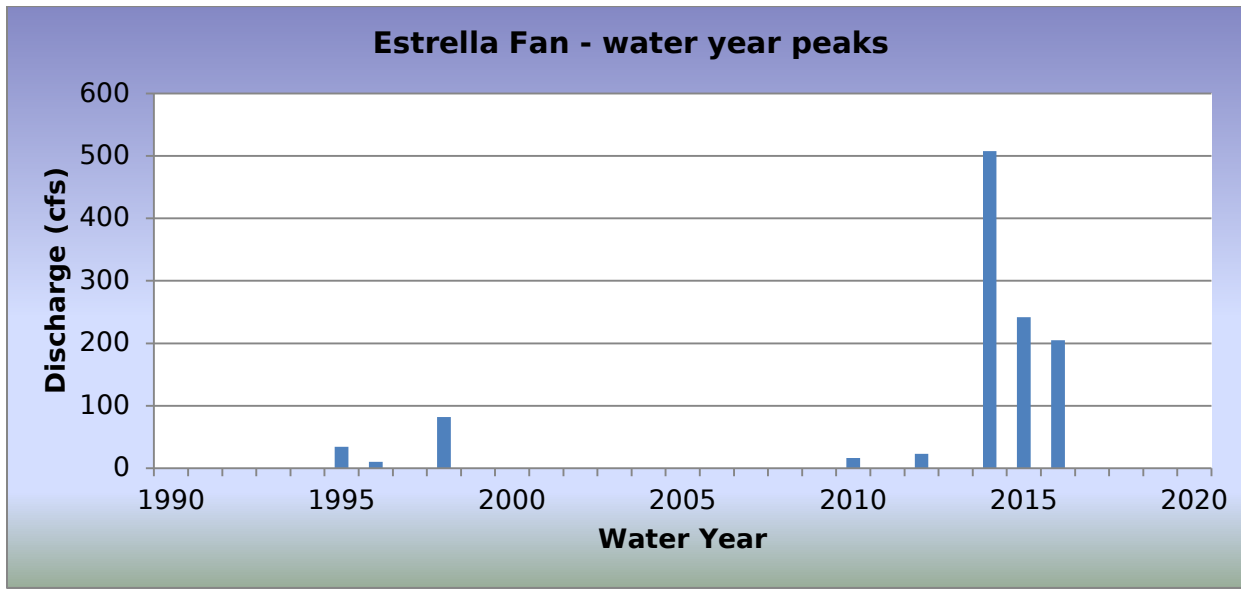
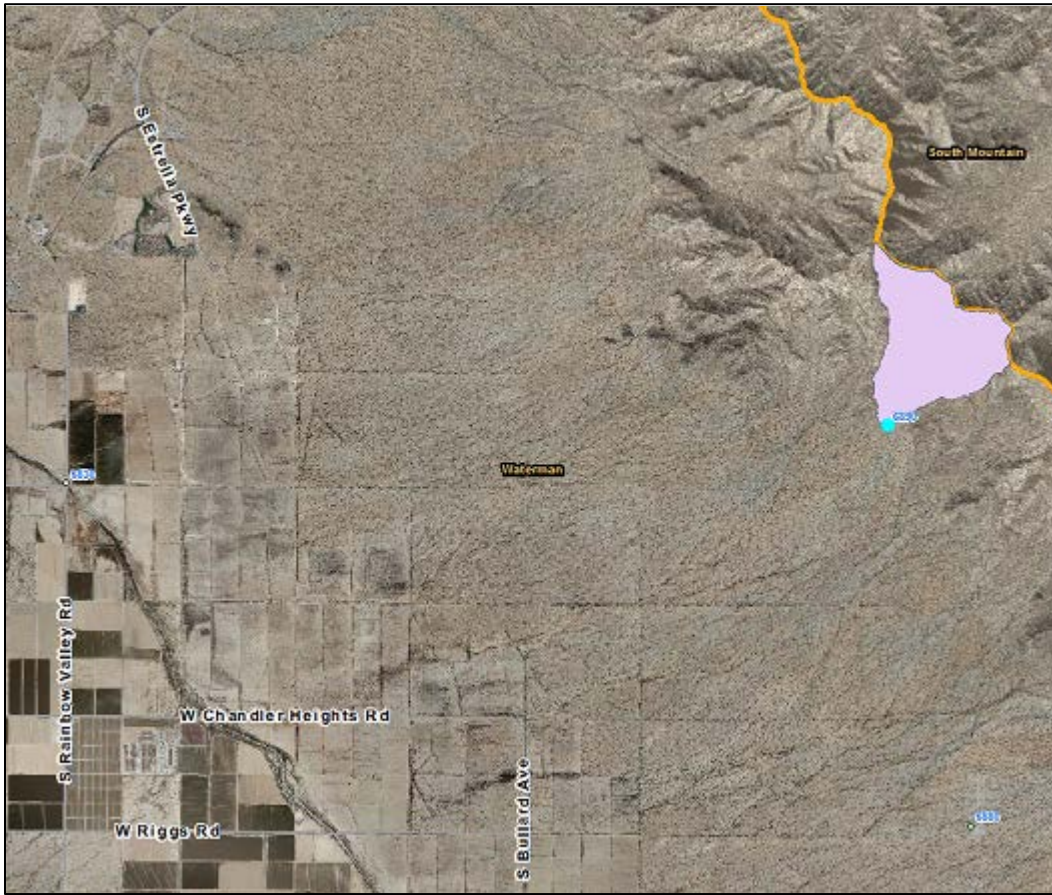
Estrella Fan, ID #6893



Site Data

LOCATION	Located in northwest part of the Estrella Mountains
DRAINAGE AREA	1.0 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Goodyear, Arizona
WATERSHED	Waterman
SECTION/TOWNSHIP/RANGE	S12 T2S R1W
LATITUDE	N 33° 16' 10.1" +33.26949
LONGITUDE	W 112° 19' 15.3" -112.32091
STREAMGAGE INSTALLATION DATE	04/30/1993 - WY 1993
AVAILABLE PERIOD OF RECORD	04/30/1993 - Current
LENGTH OF AVAILABLE POR DATA	23.42 Years 8,555 Days
GAPS (> 2 DAYS) IN RECORD	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	1,447.80 feet NAVD 1988
POINT OF ZERO FLOW	0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	508 cfs 1.60 feet 09/08/2014

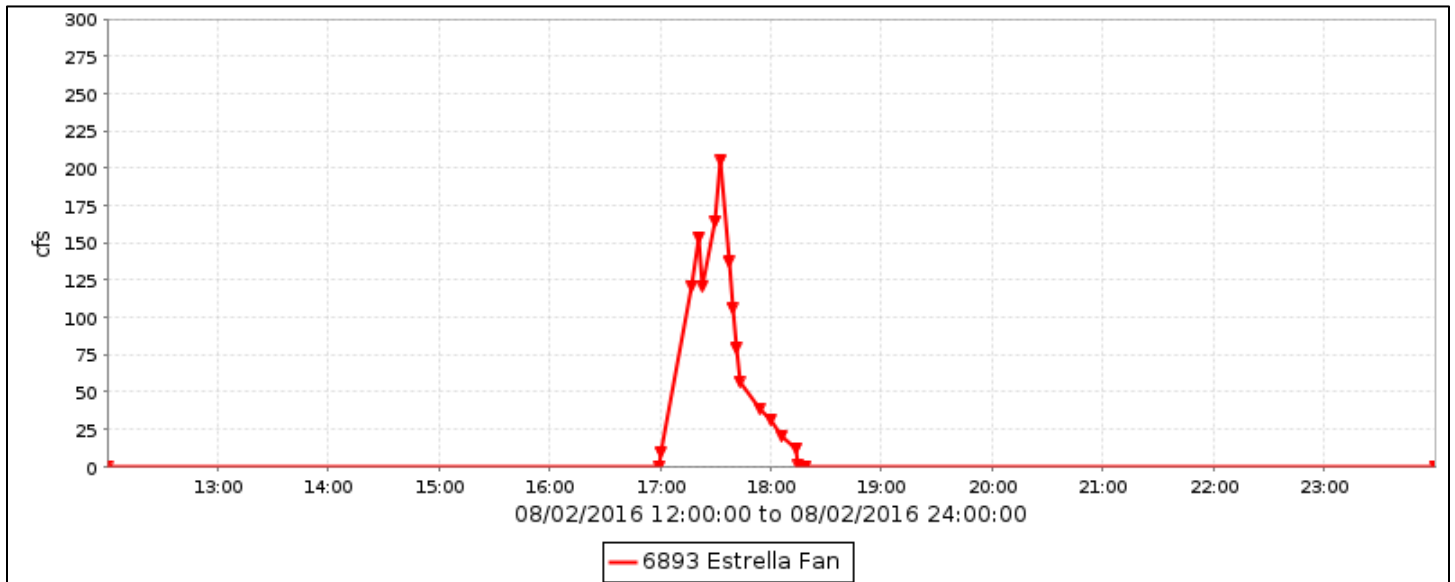
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
08/02/2016	1.07	205

Hydrograph of peak WY 2016 flow event, 08/02/2016



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 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											3	
3												
4			---									
5			---									
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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	205	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	7	0
WTR YR 2016	TOTAL		3	MEAN	0	MAX	205	MIN	0	AC_FT		7

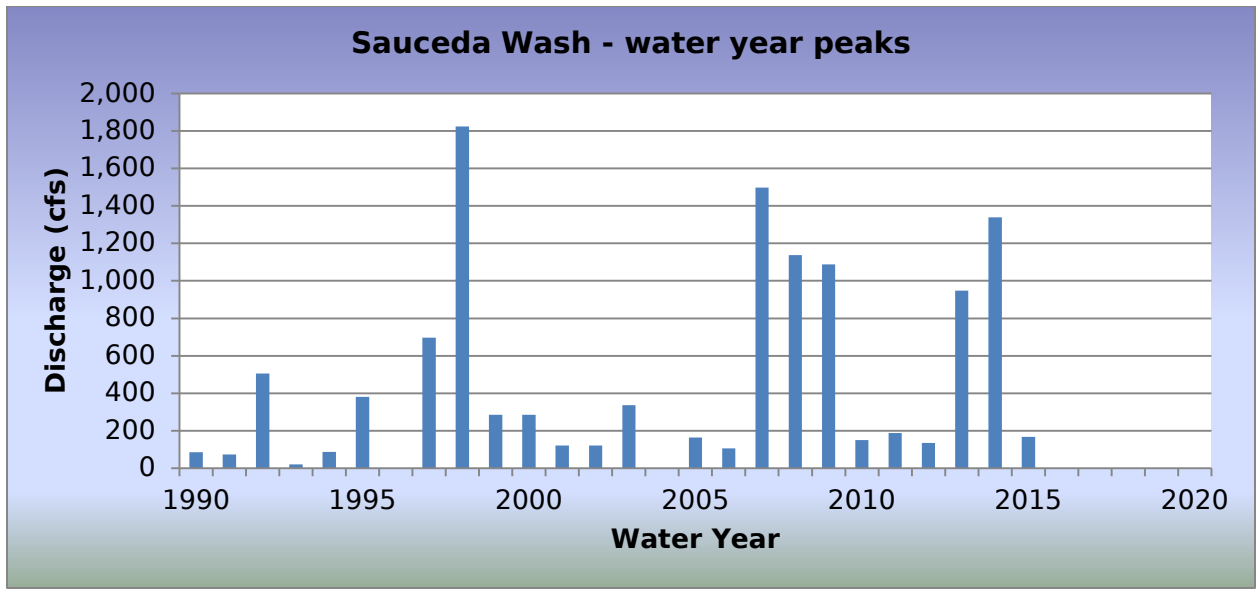
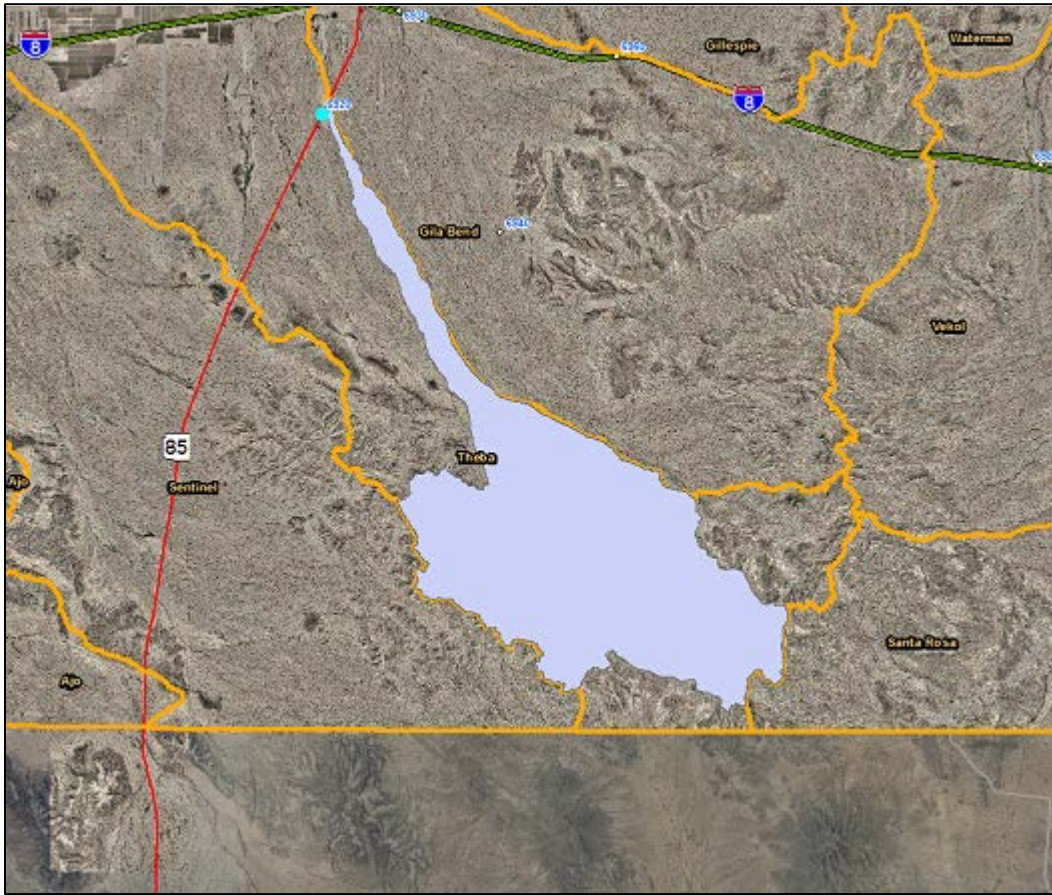
Sauceda Wash, ID #6923



Site Data

LOCATION	About 5 miles south of Gila Bend on SR 85
DRAINAGE AREA	126 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Theba
SECTION/TOWNSHIP/RANGE	S27 T6S R5W
LATITUDE	N 32° 52' 49.6" +32.88044
LONGITUDE	W 112° 45' 15.4" -112.75427
STREAMGAGE INSTALLATION DATE	02/28/1990 - WY 1990
AVAILABLE PERIOD OF RECORD	02/28/1990 - Current
LENGTH OF AVAILABLE POR DATA	26.59 Years 9,712 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.14 feet Gage Height
STAFF GAGES	2
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	842.01 feet NAVD 1988
POINT OF ZERO FLOW	1.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,825 cfs 4.66 feet 08/25/1998

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded in Water Year 2016.

Flood Flow Frequency

Flood Flow Frequency N=44, HEC-WRC computation (based on 44 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
378	1,150	2,000	3,090	4,960	6,740

NOTE: These results are based on limited data.

Sauceda Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4												---			
5												---			
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29															
30					---										
31		---			---		---		---			---			
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	0	0	0	0	0	0	0	0	0	0	0	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	0	0	0	0	0	0	0	0	0	0			
WTR YR 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

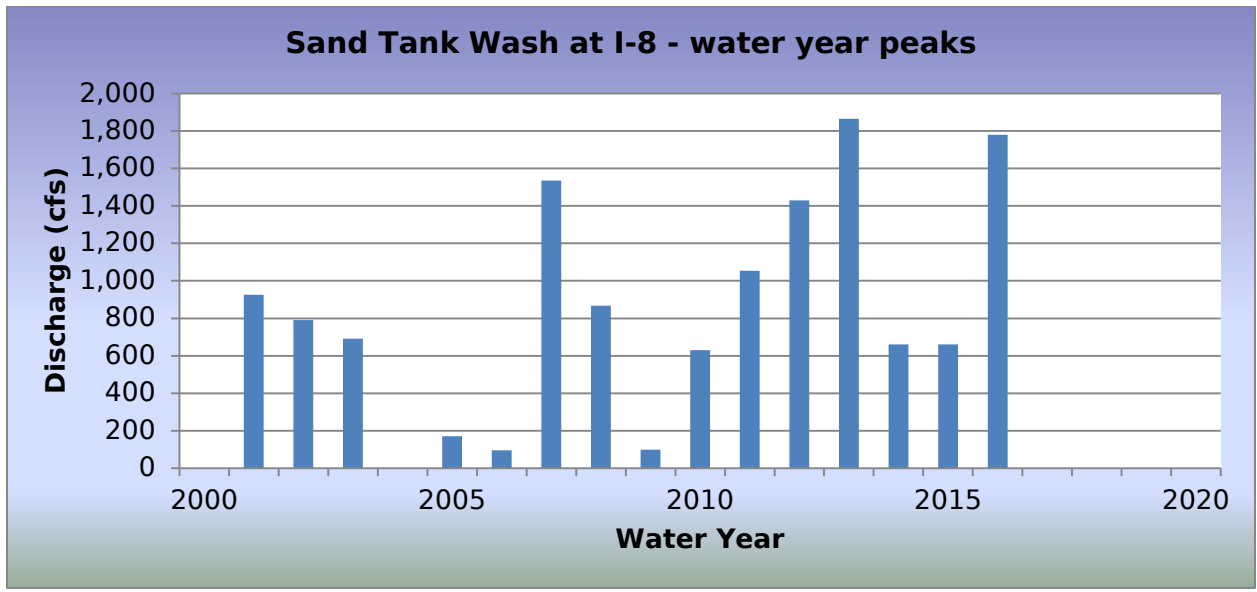
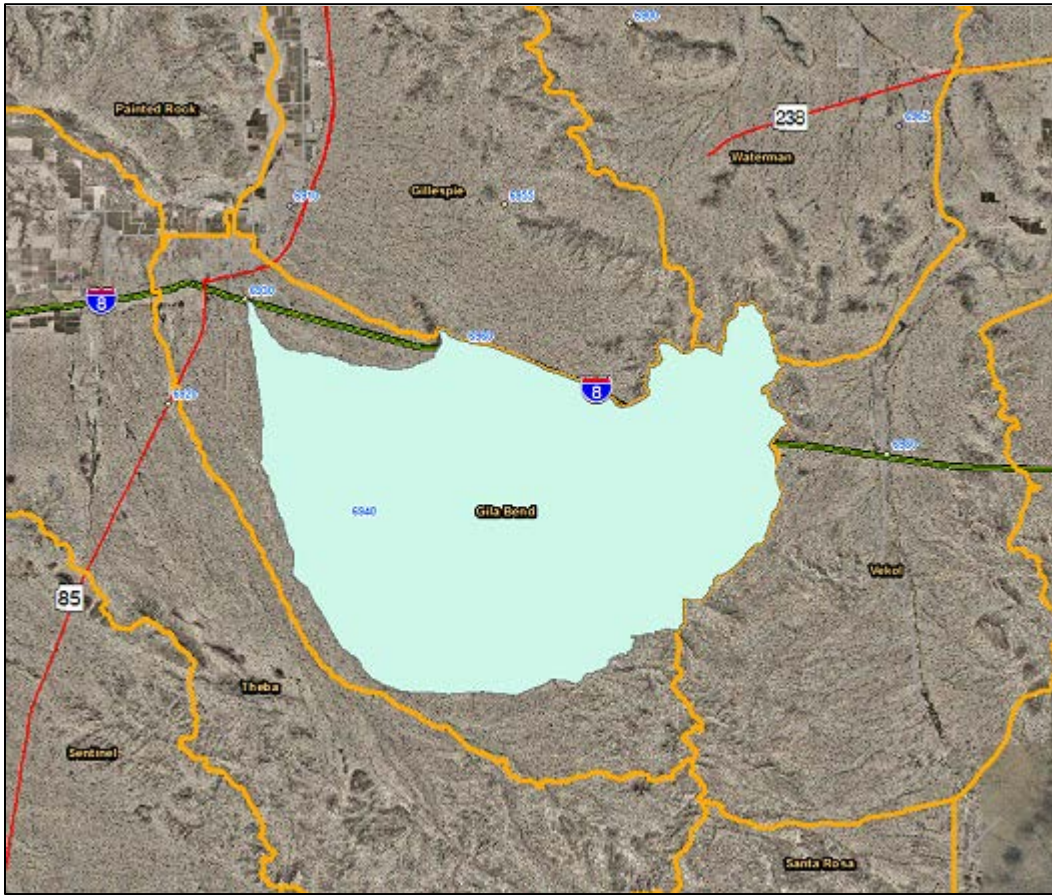
Sand Tank Wash at I-8, ID #6933



Site Data

LOCATION	Located in Gila Bend along I-8
DRAINAGE AREA	185 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Gila Bend, Arizona
WATERSHED	Gila Bend
SECTION/TOWNSHIP/RANGE	S06 T6S R4W
LATITUDE	N 32° 55' 59.1" +32.93310
LONGITUDE	W 112° 42' 20.8" -112.70579
STREAMGAGE INSTALLATION DATE	05/31/2001 - WY 2001
AVAILABLE PERIOD OF RECORD	05/31/2001 - Current
LENGTH OF AVAILABLE POR DATA	15.34 Years 5,602 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.30 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	760.48 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	1,866 cfs 4.75 feet 08/26/2013

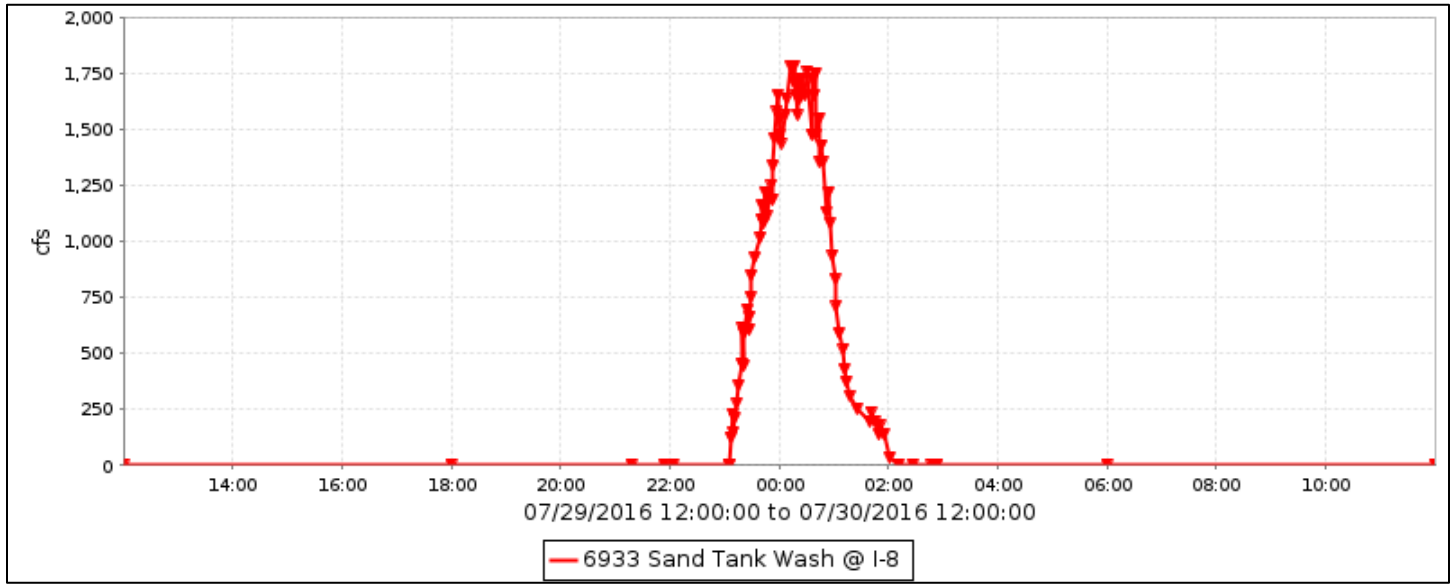
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/30/2016	4.64	1,781
09/07/2016	3.61	1,059

Hydrograph of peak WY 2016 flow event, 07/30/2016



Flood Flow Frequency

Flood Flow Frequency N=17, HEC-WRC computation (based on 17 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
637	1,390	2,000	2,630	3,480	4,150

NOTE: These results are based on very limited data.

Sand Tank Wash at I-8, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												22
8												
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24												
25												
26												
27												
28												
29										30		
30					---					78		
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	108	0	22
MEAN	0	0	0	0	0	0	0	0	0	3	0	1
MAX	0	0	0	0	0	0	0	0	0	1781	0	1059
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	215	0	44
WTR YR 2016	TOTAL	130	MEAN	0	MAX	1781	MIN	0	AC_FT	259		

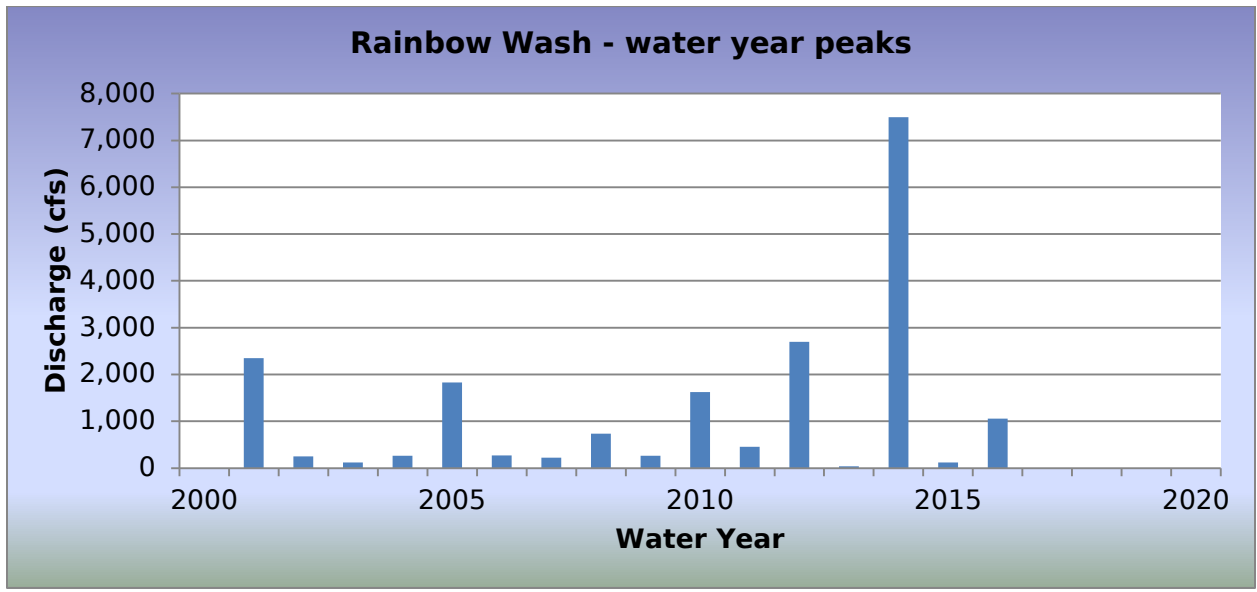
Rainbow Wash, ID #6953



Site Data

LOCATION	Located on SR85 about 10 miles south of Buckeye
DRAINAGE AREA	17.6 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Gillespie
SECTION/TOWNSHIP/RANGE	S23 T2S R4W
LATITUDE	N 33° 14' 08.0" +33.23556
LONGITUDE	W 112° 38' 21.0" -112.63917
STREAMGAGE INSTALLATION DATE	11/06/2000 - WY 2001
AVAILABLE PERIOD OF RECORD	11/06/2000 - Current
LENGTH OF AVAILABLE POR DATA	15.90 Years 5,808 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.07 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	900.06 feet NAVD 1988
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	7,500 cfs 8.20 feet 09/08/2014

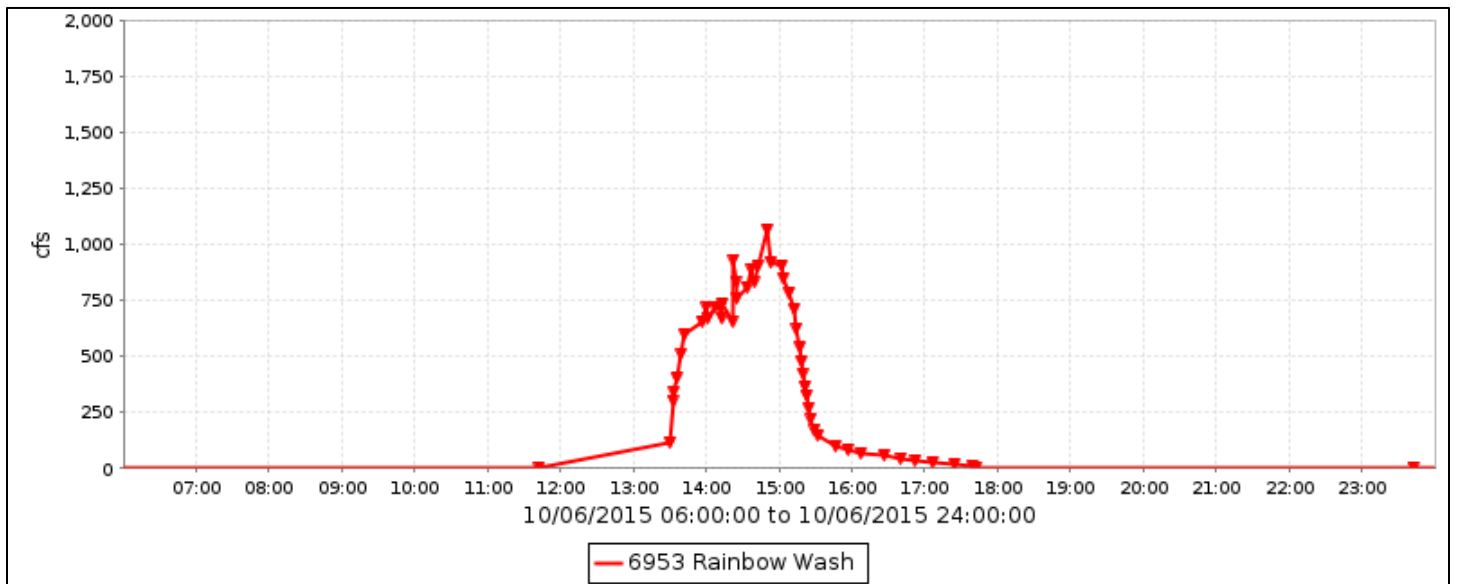
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/06/2015	3.17	1,060
10/29/2015	0.40	18
01/07/2016	0.80	59
07/01/2016	2.74	790
09/07/2016	2.14	468

Hydrograph of peak WY 2016 flow event, 10/06/2015



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
520	1,690	3,120	5,200	9,220	13,500

NOTE: These results are based on very limited data.

Rainbow Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										53		
2												
3												
4												
5												
6	62											
7				7								30
8												
9												
10												
11												
12												
13												
14												
15												
16		1										
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29	1											
30					---							
31		---			---		---		---			---
TOTAL	63	1	0	7	0	0	0	0	0	53	0	30
MEAN	2	0	0	0	0	0	0	0	0	2	0	1
MAX	1060	6	0	59	0	0	0	0	0	790	0	468
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	125	3	0	13	0	0	0	0	0	106	0	59
WTR YR 2016	TOTAL		154	MEAN	0	MAX	1060	MIN	0	AC_FT		306

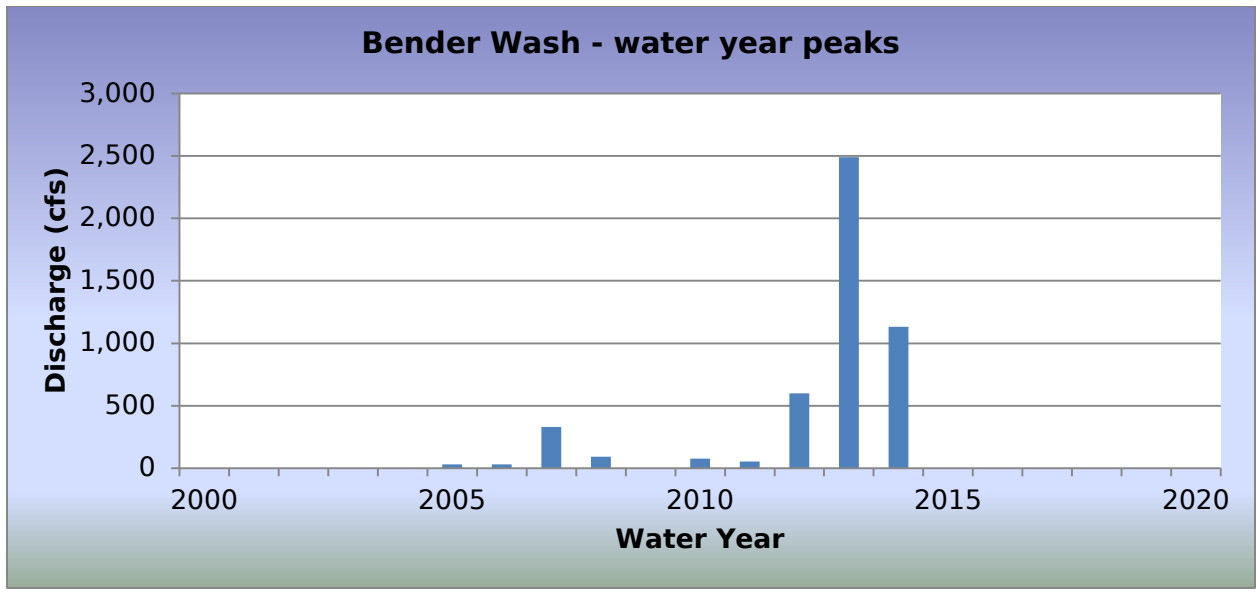
Bender Wash, ID #6963



Site Data

STATUS	Out of service due to construction.
LOCATION	Located about 8 miles east of Gila Bend on I-8
DRAINAGE AREA	68.6 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Maricopa County, Arizona
WATERSHED	Lower Gila
SECTION/TOWNSHIP/RANGE	S15 T6S R3W
LATITUDE	N 32° 54' 24.2" +32.90673
LONGITUDE	W 112° 33' 05.7" -112.55159
STREAMGAGE INSTALLATION DATE	05/12/2004 - WY 2004
AVAILABLE PERIOD OF RECORD	05/12/2004 - Current
LENGTH OF AVAILABLE POR DATA	12.39 Years 4,525 Days
GAPS (> 2 DAYS) IN RECORD	10/06/2015 - Present
STAGE GAGE ELEVATION	None
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	2.8 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



2016 Events

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

Hydrograph of peak WY 2016 flow event

There was no runoff recorded in Water Year 2016. Station was out of service for most of Water Year 2016, from October 6, 2015 to current day.

Flood Flow Frequency

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

NOTE: These results are based on limited data.

Bender Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	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	---	---	---	---	---	---	---	---	---	---	---			
MEAN	0	---	---	---	---	---	---	---	---	---	---	---			
MAX	0	---	---	---	---	---	---	---	---	---	---	---			
MIN	0	---	---	---	---	---	---	---	---	---	---	---			
AC_FT	0	---	---	---	---	---	---	---	---	---	---	---			
WTR YR 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT		0

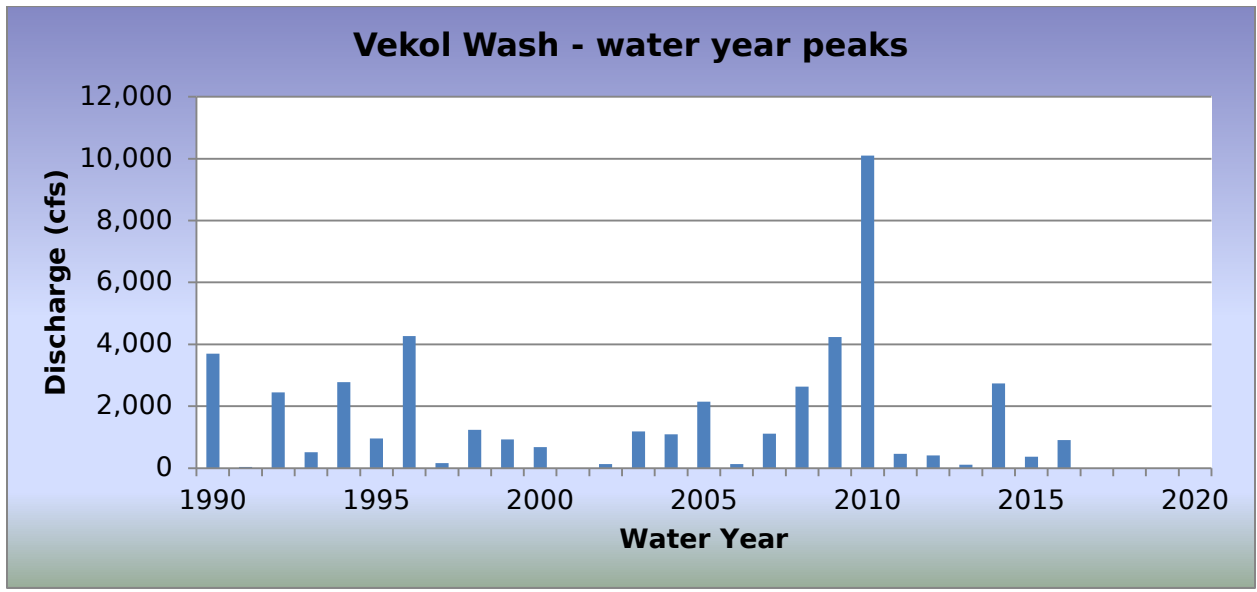
Vekol Wash, ID #6983



Site Data

LOCATION	Near I-8 and Vekol Valley Road
DRAINAGE AREA	150 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	03/07/1990 - Current
LENGTH OF AVAILABLE POR DATA	26.57 Years 9,705 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	3.23 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	1,719.89 feet NAVD 1988
POINT OF ZERO FLOW	3.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	10,100 cfs 10.10 feet 08/27/2010

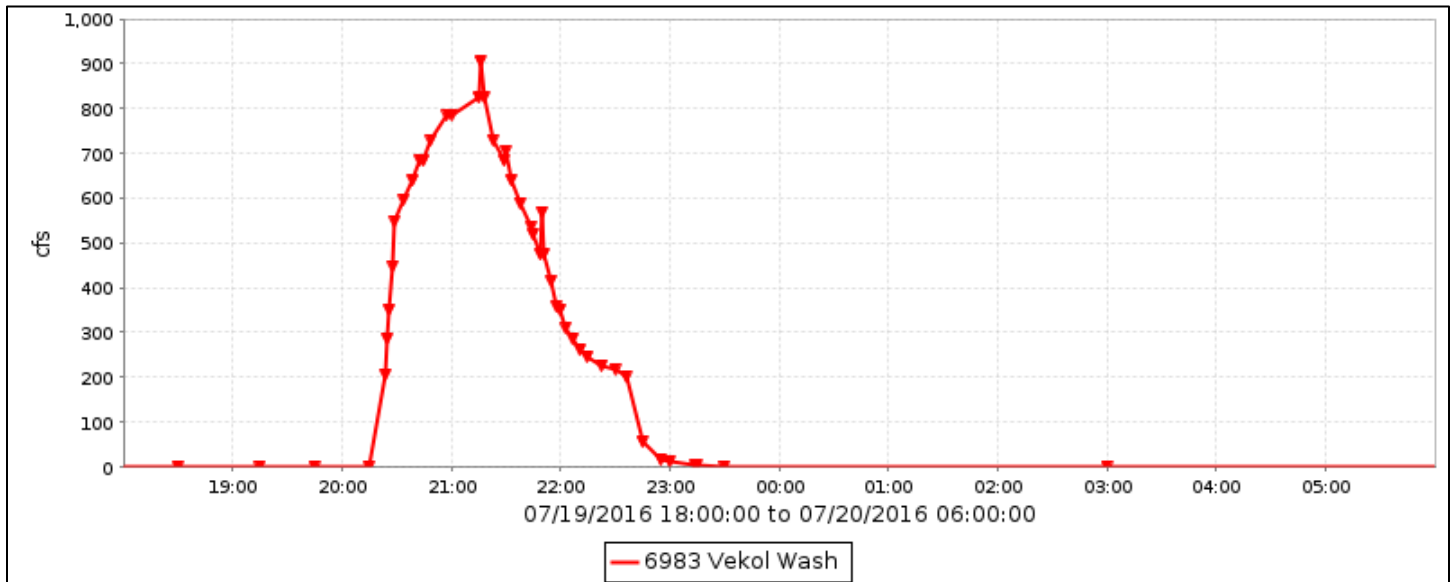
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
01/07/2016	5.36	441
07/19/2016	6.27	904
08/09/2016	4.57	212

Hydrograph of peak WY 2016 flow event, 07/19/2016



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
911	2,560	4,270	6,430	10,000	13,400

NOTE: These results are based on very limited data.

Vekol Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1							---						
2							---				---		
3							---				---		
4					---						---		
5											---		
6											---		
7				33		---							
8						---							
9						---					6		
10											---		
11											---		
12											---		
13											---		
14									---				
15									---	---			
16									---	---			
17									---	---			
18									---	---			
19									---	51			
20									---	---			
21									---	---	4		
22									---	---			
23									---	---			
24		---							---	---			
25									---	---			
26									---	---			
27									---	---			
28									---	---			
29		---				---			---	---			
30					---	---			---	---			
31		---			---		---		---	---		---	
TOTAL	0	0	0	33	0	0	0	0	0	52	10	0	
MEAN	0	0	0	1	0	0	0	0	0	2	0	0	
MAX	0	0	0	441	0	0	0	0	0	904	212	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	0	0	0	66	0	0	0	0	0	102	19	0	
WTR YR 2016	TOTAL		94	MEAN		0	MAX	904	MIN		0	AC_FT	187

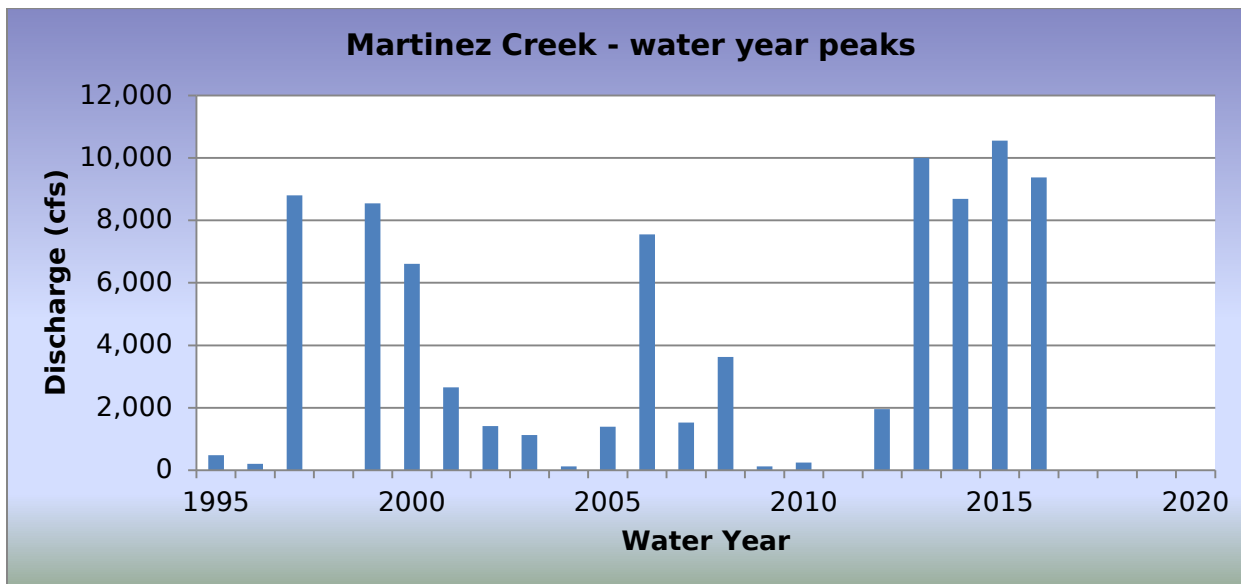
Martinez Creek, ID #7013



Site Data

LOCATION	About a mile northwest of the Scenic Loop Road and US 93 intersection
DRAINAGE AREA	105 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S20 T8N R5W
LATITUDE	N 34° 01' 41.8" +34.02828
LONGITUDE	W 112° 47' 32.1" -112.79224
STREAMGAGE INSTALLATION DATE	11/23/1994 - WY 1995
AVAILABLE PERIOD OF RECORD	11/23/1994 - Current
LENGTH OF AVAILABLE POR DATA	21.86 Years 7,983 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.80 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	2,305.81 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	10,562 cfs 11.42 feet 07/18/2015

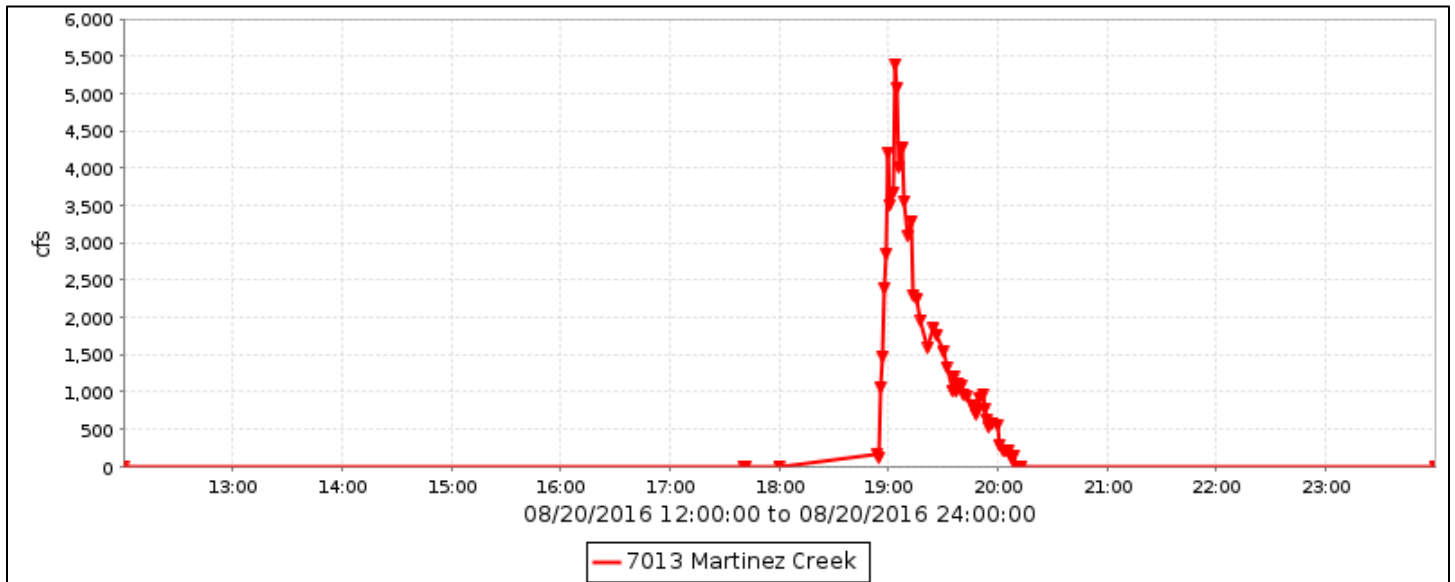
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	11.10	8,550
08/02/2016	11.24	9,377
08/20/2016	8.57	5,391

Hydrograph of peak WY 2016 flow event, 08/20/2016



Flood Flow Frequency

Flood Flow Frequency N=22, HEC-WRC computation (based on 22 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
1,750	6,700	12,700	20,900	35,300	49,200

NOTE: These results are based on very limited data.

Martinez Creek, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1								---					
2											230		
3								---					
4						---		---					
5						---		---					
6						---		---					
7						---		---					
8								---					
9													
10													
11													
12													
13								---					
14								---					
15								---					
16													
17													
18													
19													
20	355										86		
21													
22													
23						---							
24						---							
25													
26													
27						---							
28													
29													
30						---		---					
31						---		---		---		---	
TOTAL	355	0	0	0	0	0	0	0	0	0	316	0	
MEAN	11	0	0	0	0	0	0	0	0	0	10	0	
MAX	8550	0	0	0	0	0	0	0	0	0	9377	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	705	0	0	0	0	0	0	0	0	0	626	0	
WTR YR 2016	TOTAL		671	MEAN		2	MAX	9377	MIN		0	AC_FT	1331

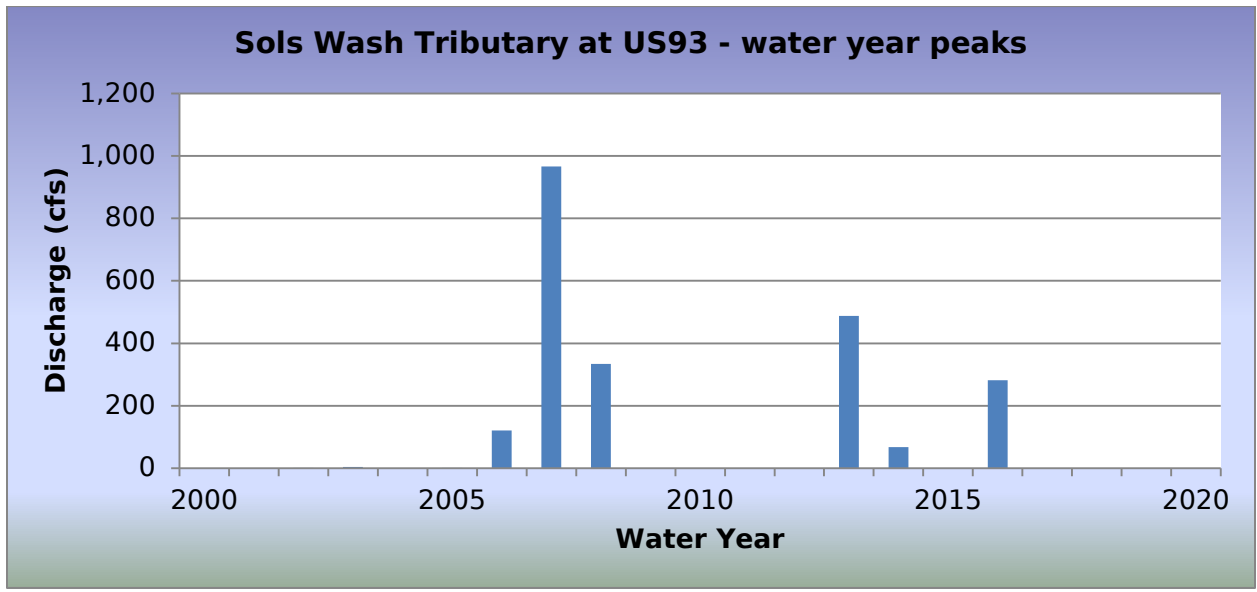
Sols Tributary at US93, ID #7028



Site Data

LOCATION	Located west of US93 near mile post 191
DRAINAGE AREA	6.5 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	01/30/2002 - Current
LENGTH OF AVAILABLE POR DATA	14.67 Years 5,358 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.07 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,580.00 feet M.S.L.
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	967 cfs 3.40 feet 07/25/2007

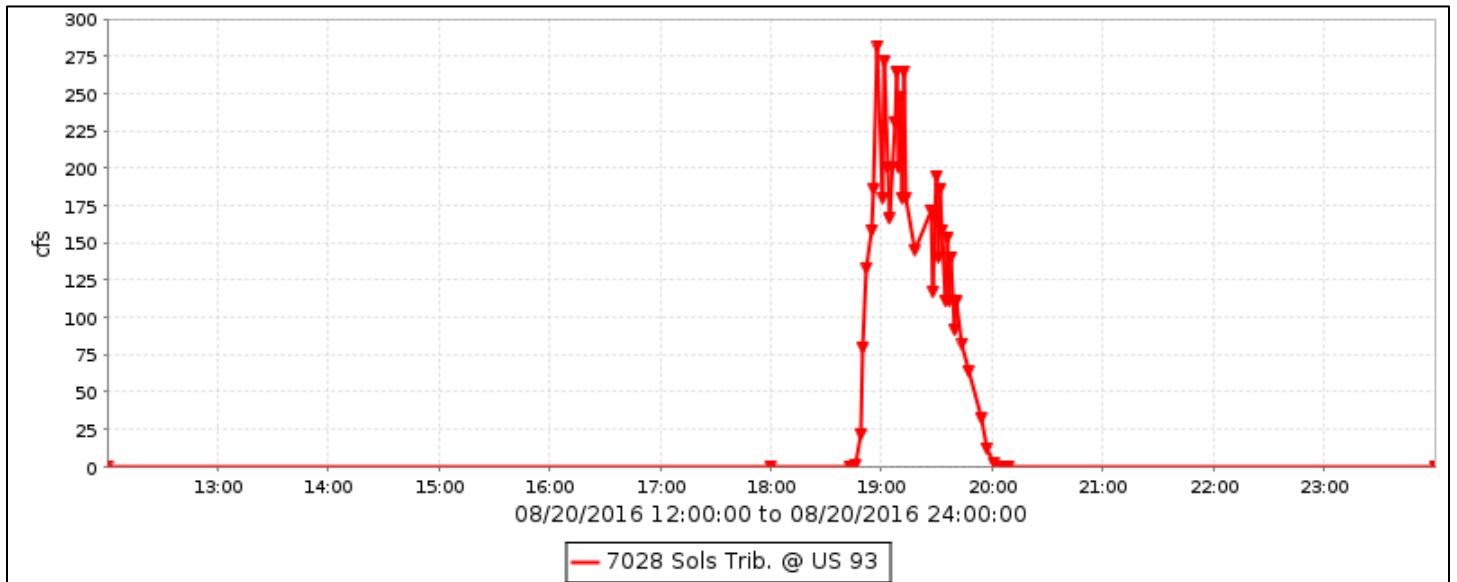
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/23/2016	1.82	282

Hydrograph of peak WY 2016 flow event, 08/20/2016



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 2015 to September 2016

DAY	Daily Mean Values												
	OCT	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											7		
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	282	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	14	0	
WTR YR 2016	TOTAL		7	MEAN		0	MAX	282	MIN		0	AC_FT	14

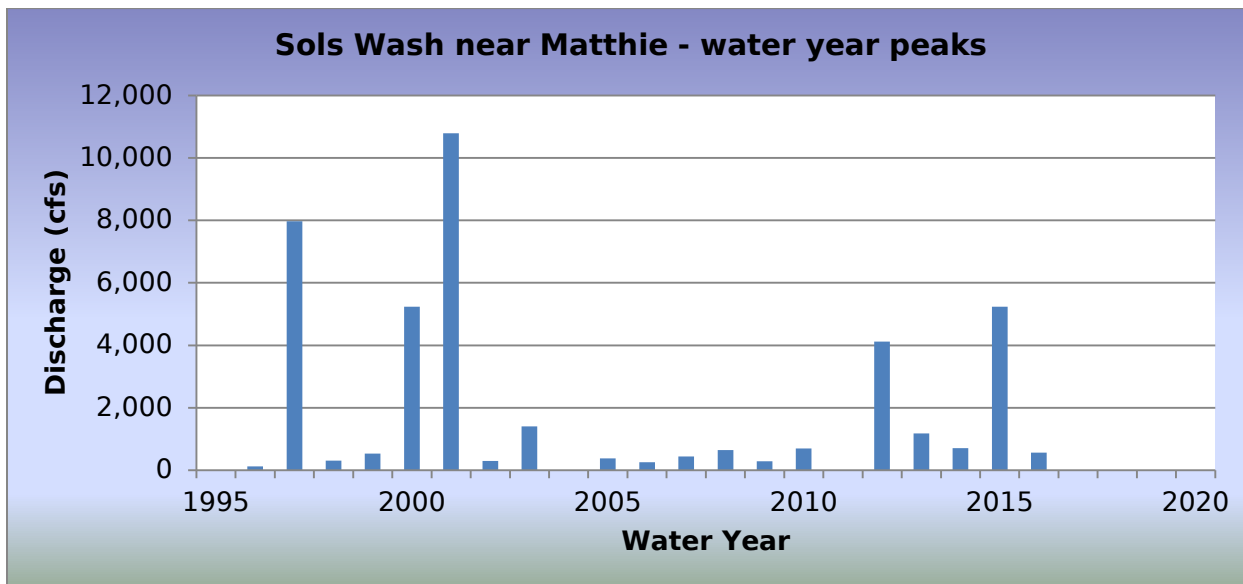
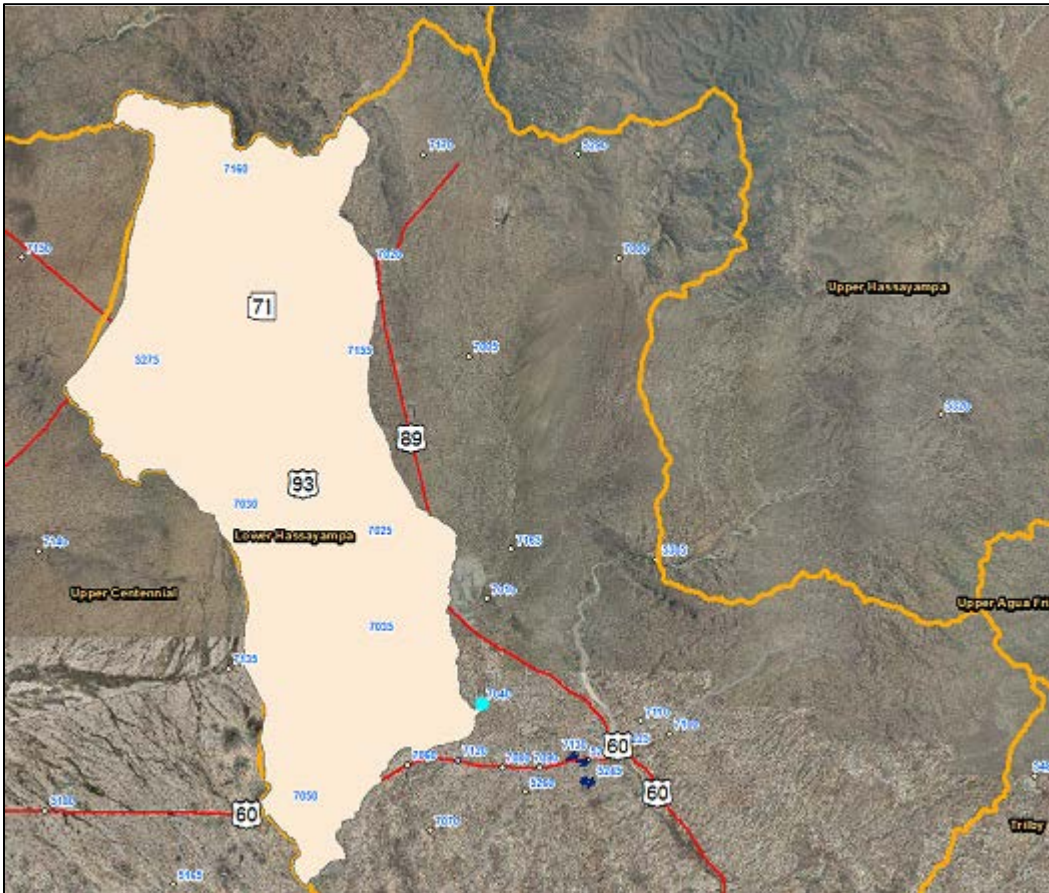
Sols Wash near Matthie, ID #7043



Site Data

LOCATION	Located along the railroad about 1 mile west of Vulture Mine Road
DRAINAGE AREA	121 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S32 T8N R5W
LATITUDE	N 33° 59' 14.8" +33.98743
LONGITUDE	W 112° 47' 34.7" -112.79296
STREAMGAGE INSTALLATION DATE	08/04/1995 - WY 1995
AVAILABLE PERIOD OF RECORD	08/04/1995 - Current
LENGTH OF AVAILABLE POR DATA	21.16 Years 7,729 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.36 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,230.64 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	10,792 cfs 5.15 feet 10/21/2000

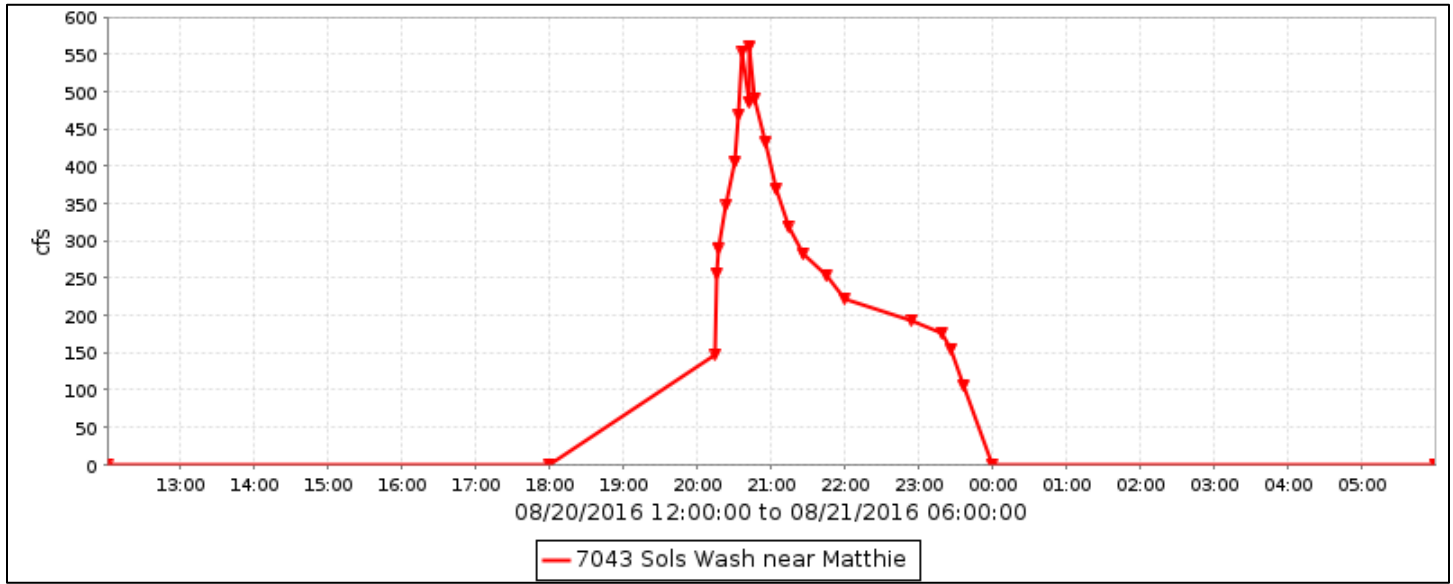
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/31/2016	1.05	234
08/20/2016	1.79	559

Hydrograph of peak WY 2016 flow event, 08/20/2016



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
654	2,240	4,400	7,780	15,100	23,600

NOTE: These results are based on very limited data.

Sols Wash near Matthie, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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		---									42	
21												
22												
23										---		
24										---		
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---	11		---
TOTAL	0	0	0	0	0	0	0	0	0	11	42	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	234	559	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	82	0
WTR YR 2016	TOTAL	53	MEAN	0	MAX	559	MIN	0	AC_FT	105		

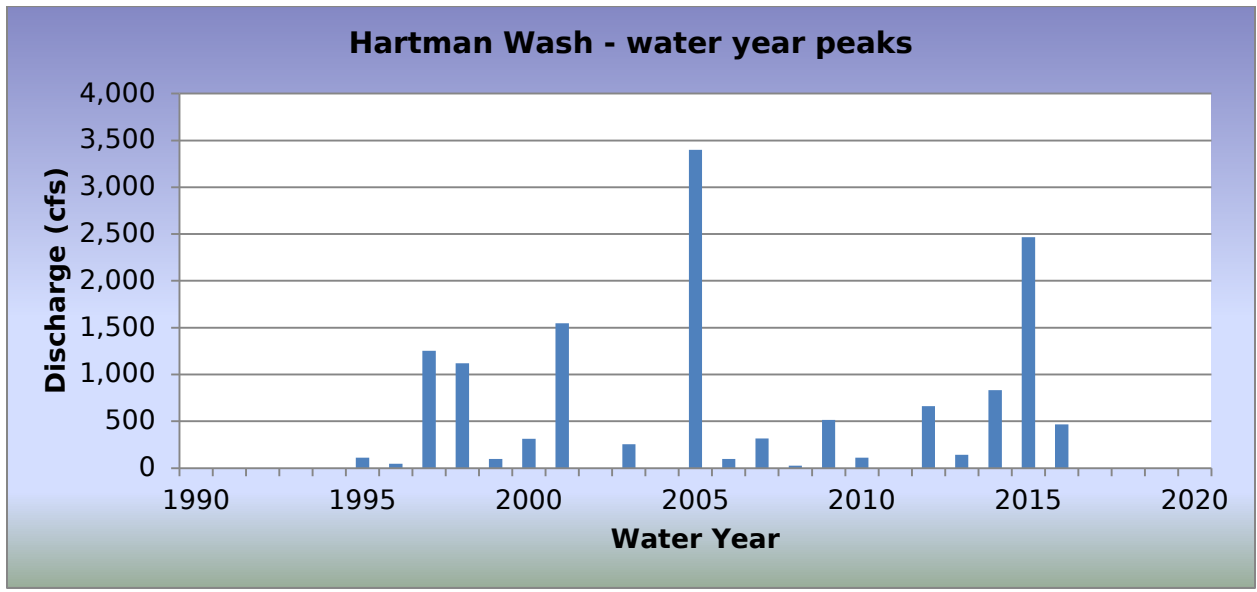
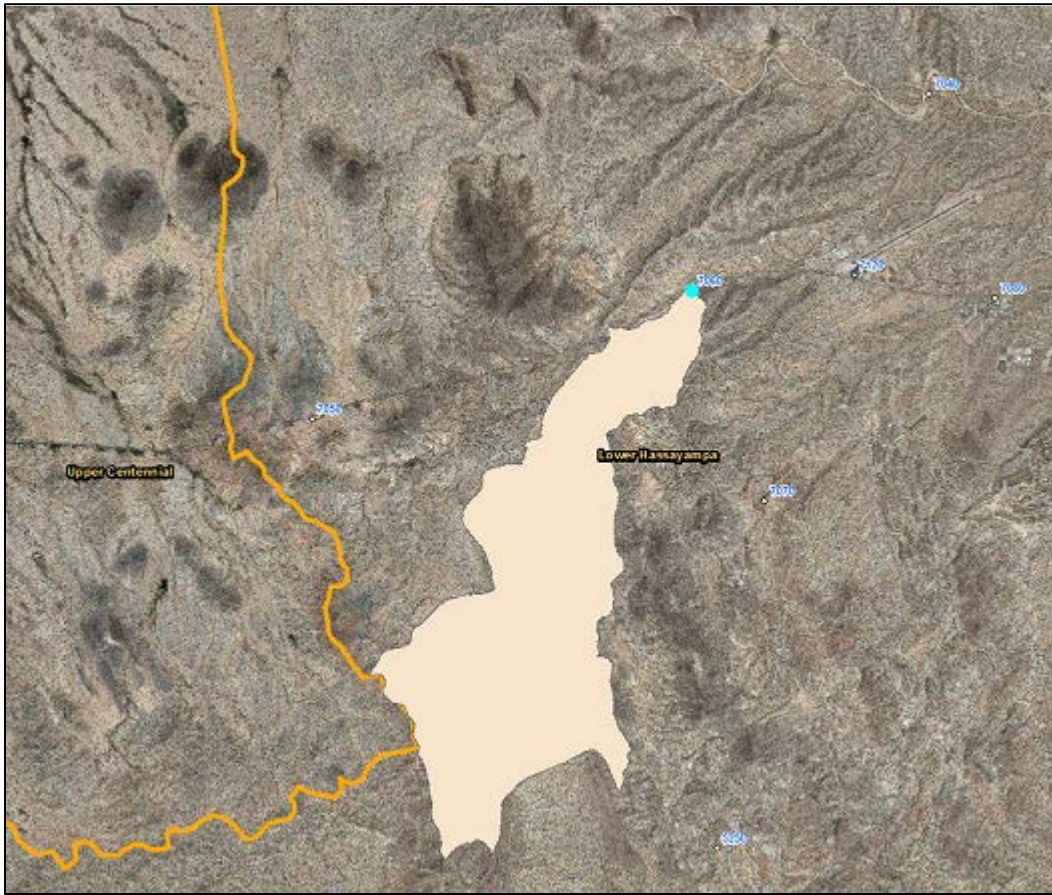
Hartman Wash, ID #7063



Site Data

LOCATION	About 3 miles west of Vulture Mine Road on US 60
DRAINAGE AREA	5.4 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S15 T7N R6W
LATITUDE	N 33° 57' 46.0" +33.96277
LONGITUDE	W 112° 49' 40.7" -112.82798
STREAMGAGE INSTALLATION DATE	07/06/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	07/06/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.24 Years 8,123 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.05 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	3
ZERO GAGE HEIGHT ELEVATION	2,459.61 feet NAVD 1988
POINT OF ZERO FLOW	-0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	3,400 cfs 7.94 feet 07/30/2005

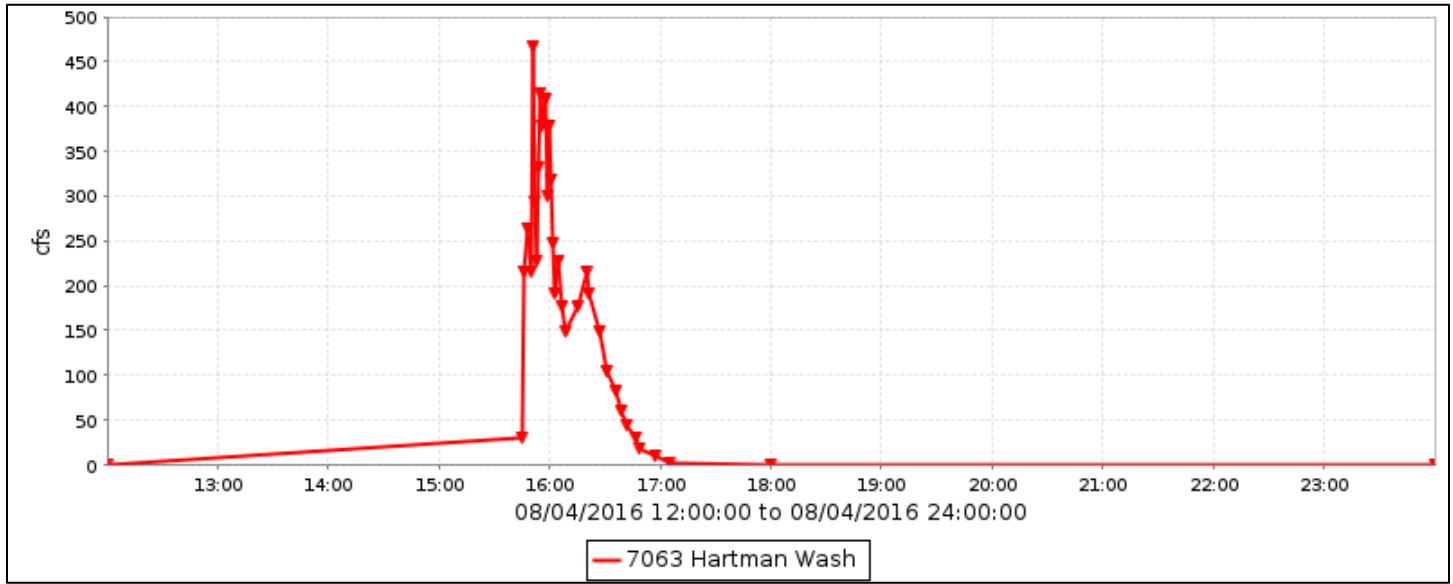
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/31/2016	2.02	392
08/04/2016	2.22	467

Hydrograph of peak WY 2016 flow event, 08/04/2016



Flood Flow Frequency

Flood Flow Frequency N=43, HEC-WRC computation (based on 43 years of data)					
2-year	5-year	10-year	20-year	50-year	100-year
247	1,050	2,030	3,320	5,510	7,500

NOTE: These results are based on very limited data.

Hartman Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---						
2						---						
3						---						
4						---					8	
5						---					2	
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		---				---	---		---	7		---
TOTAL	0	0	0	0	0	0	0	0	0	7	10	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	392	467	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	21	0
WTR YR 2016	TOTAL	18	MEAN	0	MAX	467	MIN	0	AC_FT	36		

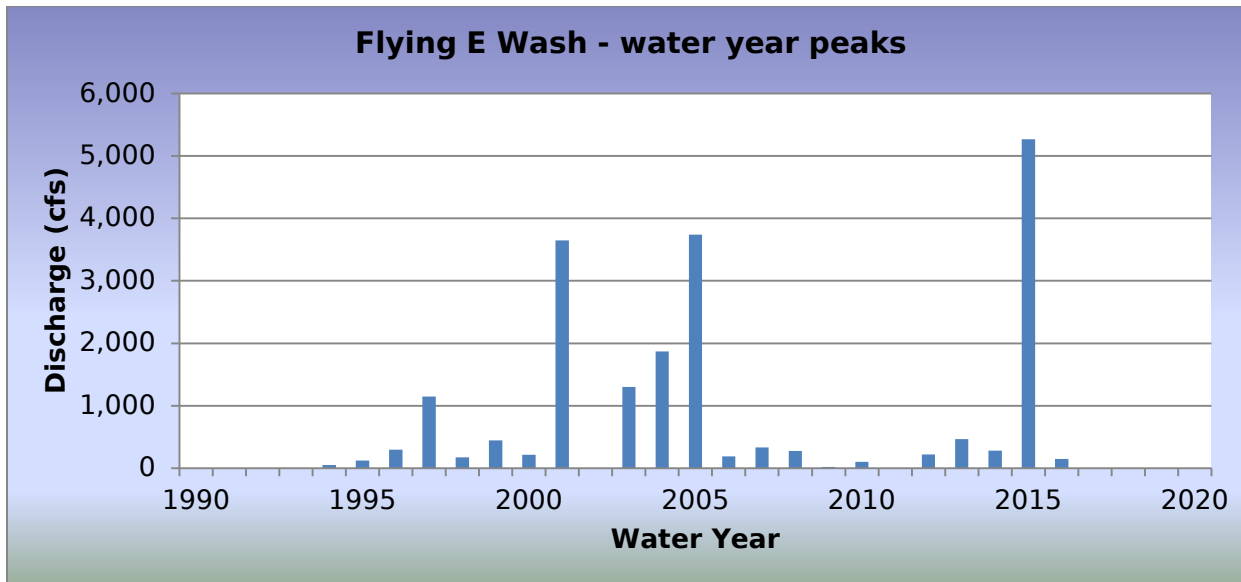
Flying E Wash, ID #7083



Site Data

LOCATION	About 1 mile west of Vulture Mine Road on US 60
DRAINAGE AREA	8.5 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S09 T7N R5W
LATITUDE	N 33° 57' 44.0" +33.96223
LONGITUDE	W 112° 46' 58.5" -112.78291
STREAMGAGE INSTALLATION DATE	07/12/1994 - WY 1994
AVAILABLE PERIOD OF RECORD	07/12/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.22 Years 8,117 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.45 feet Gage Height
STAFF GAGES	1
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,283.10 feet NAVD 1988
POINT OF ZERO FLOW	0.4 feet Gage Height
EXTREME FOR PERIOD OF RECORD	5,267 cfs 7.07 feet 07/18/2015

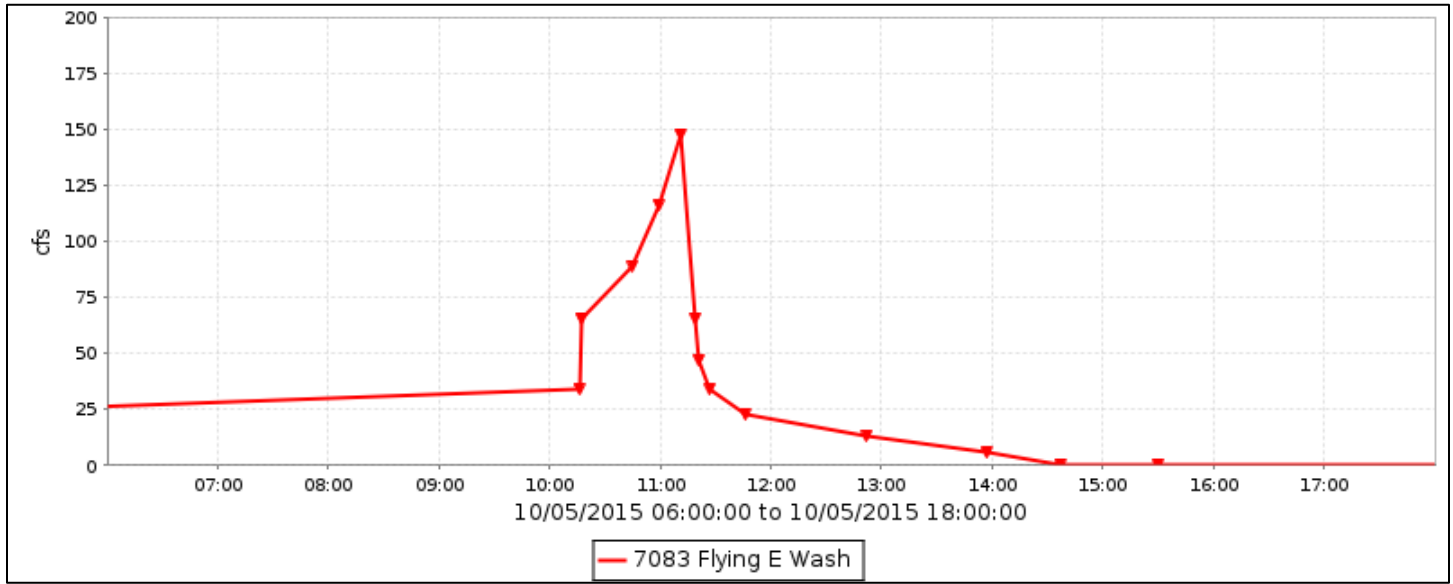
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/05/2015	1.38	147
07/31/2016	1.12	75

Hydrograph of peak WY 2016 flow event, 10/05/2015



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
305	1,110	2,170	3,800	7,120	10,800

NOTE: These results are based on very limited data.

Flying E Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4													
5	6												
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24									---				
25													
26													
27													
28													
29										1			
30					---								
31		---			---		---		---	2		---	
TOTAL	6	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	147	0	0	0	0	0	0	0	0	75	0	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	13	0	0	0	0	0	0	0	0	4	0	0	
WTR YR 2016	TOTAL		9	MEAN		0	MAX	147	MIN		0	AC_FT	17

Casandro Wash, ID #7093



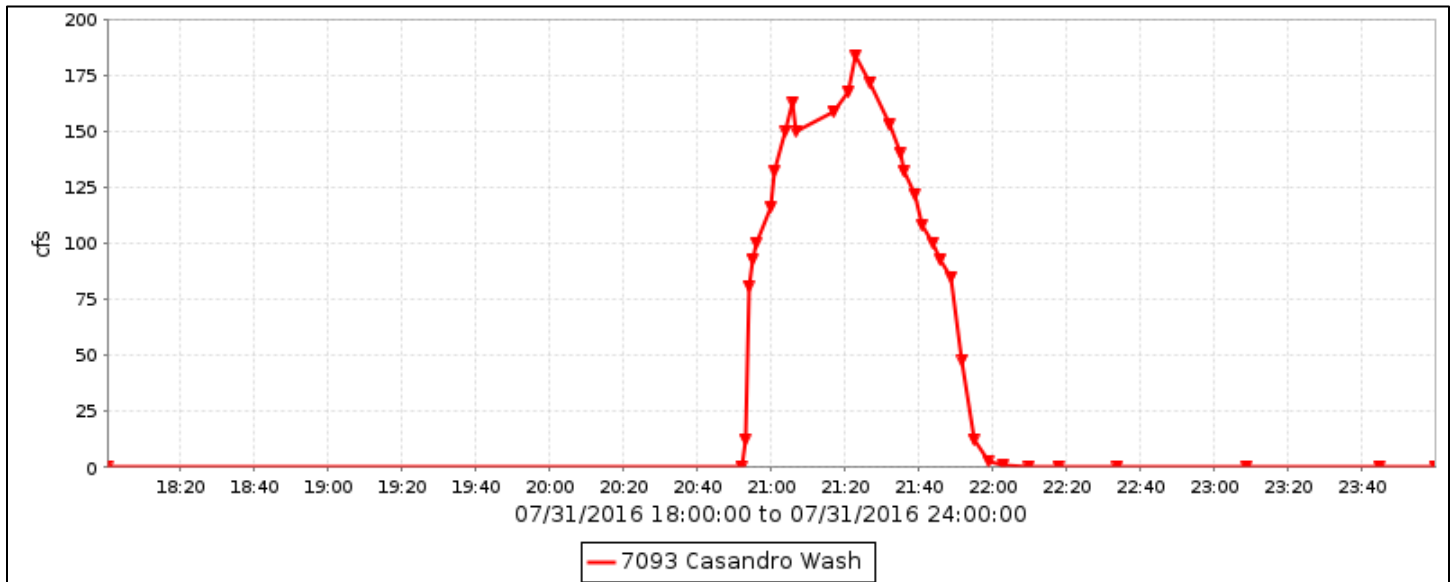
Site Data

LOCATION	Located near the intersection of Lazy Fox Road and US 60
DRAINAGE AREA	3.7 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	07/12/1994 - Current
LENGTH OF AVAILABLE POR DATA	22.22 Years 8,117 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.73 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	1.23 feet Gage Height
EXTREME FOR PERIOD OF RECORD	668 cfs 8.00 feet 07/18/2015

2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
07/25/2016	2.00	85
07/29/2016	2.03	87
07/31/2016	3.20	184

Hydrograph of peak WY 2016 flow event, 07/31/2016



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
112	294	470	680	1,010	1,310

NOTE: These results are based on very limited data.

Casandro Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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										1		
30					---							
31		---			---		---		---	6		---
TOTAL	0	0	0	0	0	0	0	0	0	7	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	184	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	14	0	0
WTR YR 2016	TOTAL		7	MEAN	0	MAX	184	MIN	0	AC_FT		14

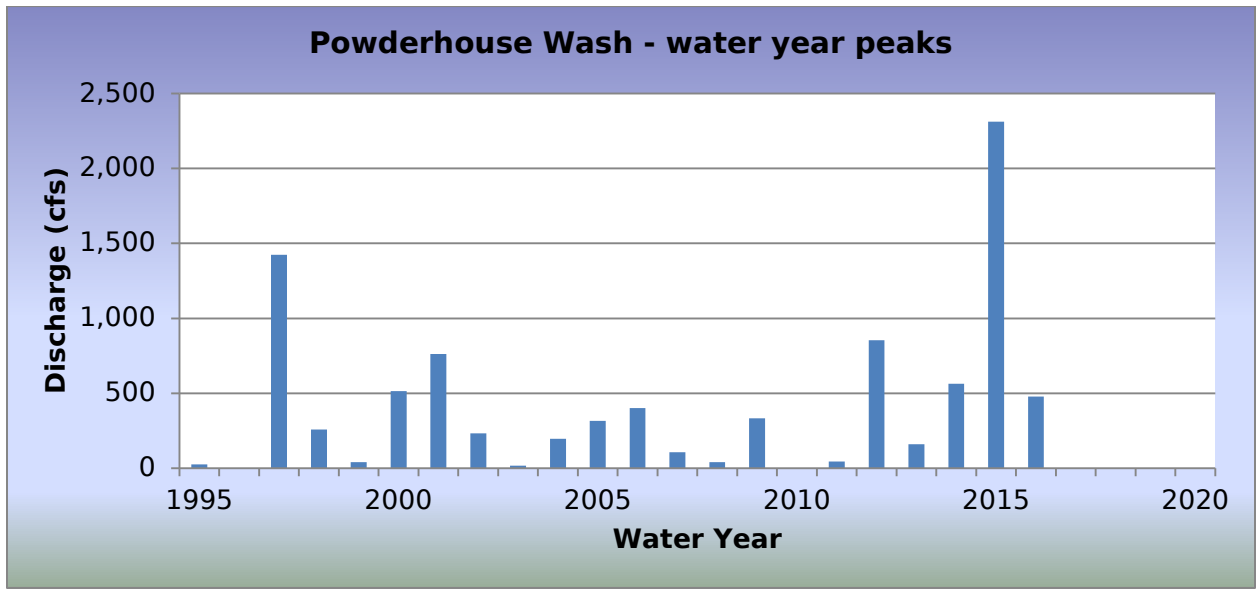
Powder House Wash, ID #7113



Site Data

LOCATION	In Wickenburg, north of Constellation Road
DRAINAGE AREA	1.8 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S06 T7N R4W
LATITUDE	N 33° 58' 51.0" +33.98083
LONGITUDE	W 112° 43' 02.3" -112.71732
STREAMGAGE INSTALLATION DATE	05/18/1995 - WY 1995
AVAILABLE PERIOD OF RECORD	05/18/1995 - Current
LENGTH OF AVAILABLE POR DATA	21.37 Years 7,807 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	2
ZERO GAGE HEIGHT ELEVATION	2,133.71 feet NAVD 1988
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	2,312 cfs 2.42 feet 07/18/2015

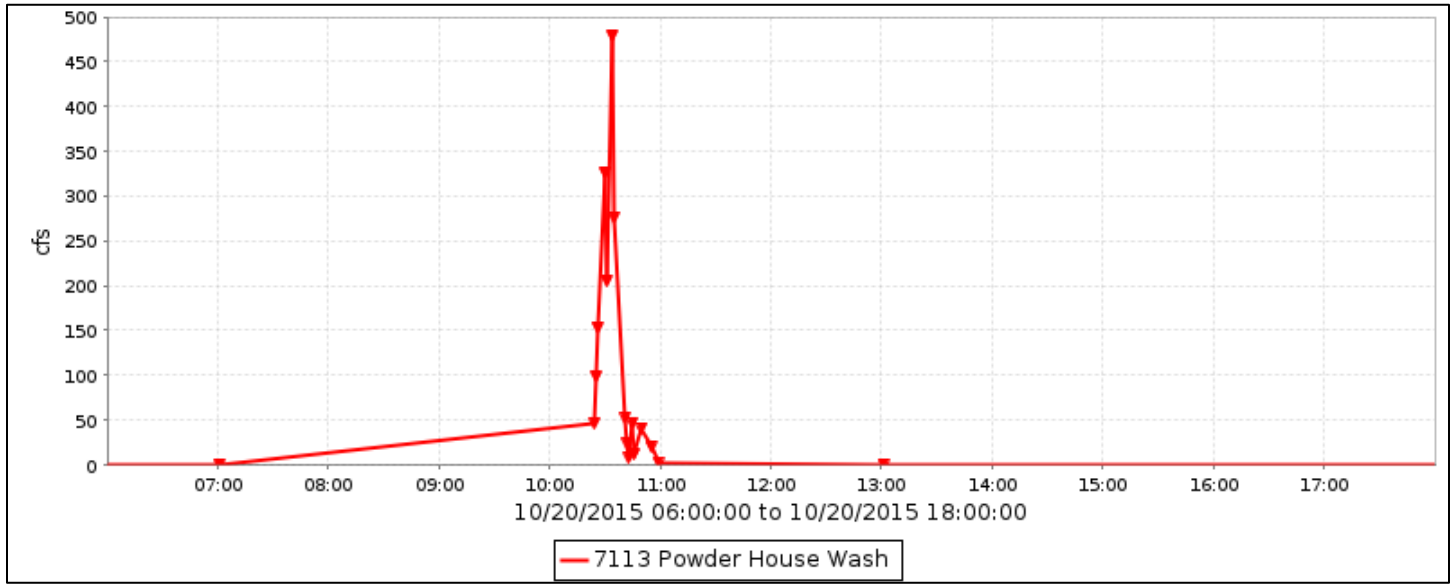
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/20/2015	1.08	478

Hydrograph of peak WY 2016 flow event, 10/20/2015



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
185	666	1,230	1,980	3,300	4,560

NOTE: These results are based on very limited data.

Powder House Wash, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20	3												
21													
22													
23													
24													
25													
26													
27													
28													
29													
30					---								
31		---			---		---		---			---	
TOTAL	3	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	
MAX	478	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	6	0	0	0	0	0	0	0	0	0	0	0	
WTR YR 2016	TOTAL		3	MEAN		0	MAX	478	MIN		0	AC_FT	6

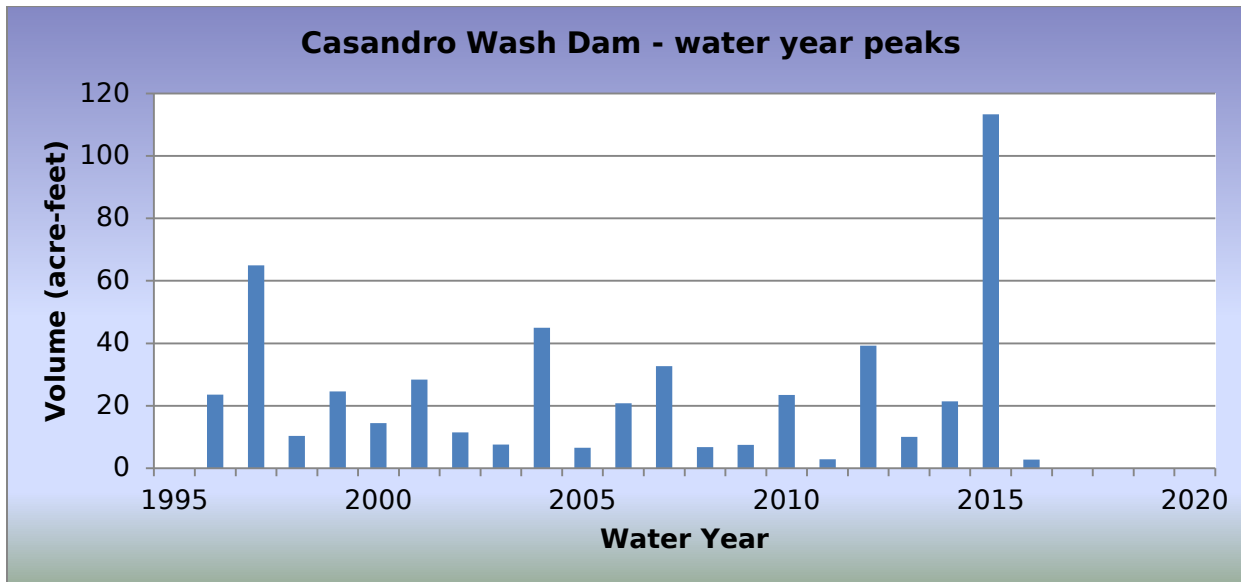
Casandro Dam, ID #7133



Site Data

LOCATION	In Wickenburg north and west of US 60 and Mariposa Avenue
DRAINAGE AREA	1.2 mi ²
STREAM TYPE	Dam of natural drainage
JURISDICTION	Wickenburg, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S11 T7N R5W
LATITUDE	N 33° 58' 02.8" +33.96744
LONGITUDE	W 112° 44' 54.7" -112.74853
STREAMGAGE INSTALLATION DATE	08/15/1996 - WY 1996
AVAILABLE PERIOD OF RECORD	08/15/1996 - Current
LENGTH OF AVAILABLE POR DATA	20.13 Years 7,352 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.19 feet Gage Height
STAFF GAGES	5
ZERO GAGE HEIGHT ELEVATION	2,136.66 feet NAVD 1988
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

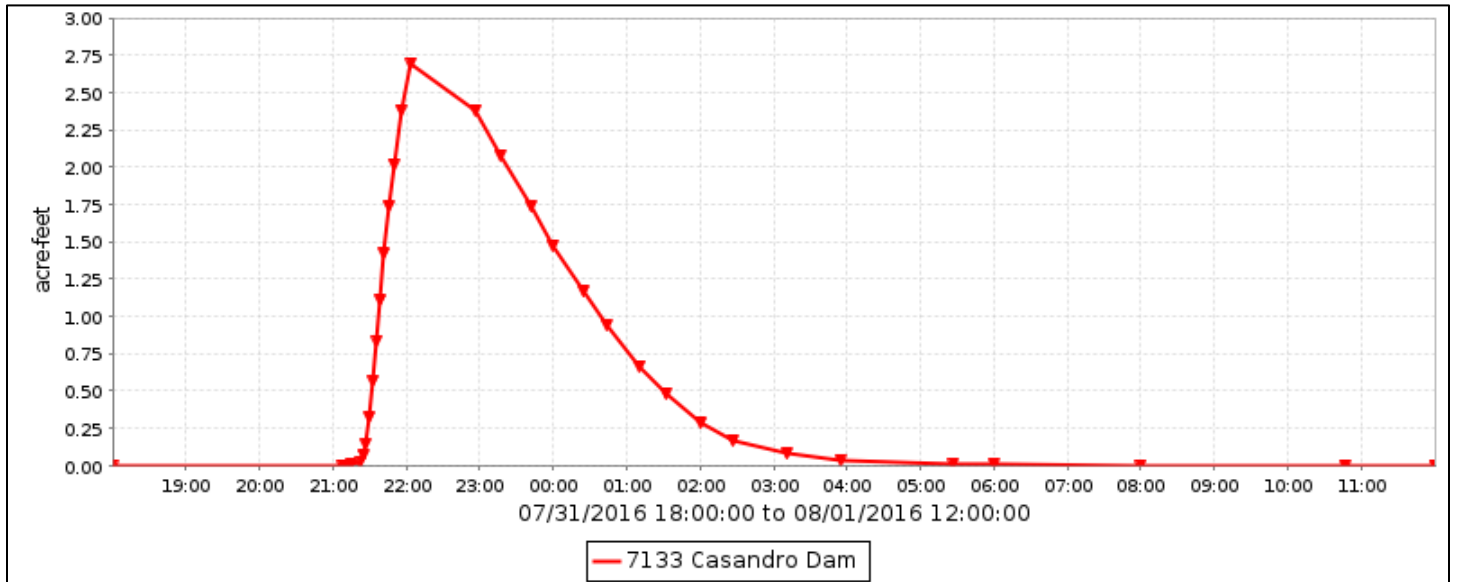
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/31/2016	3.66	2.7	2.1

Hydrograph of peak WY 2016 impoundment event, 07/31/2016



Casandro Dam, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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									---			
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---	1		---
TOTAL	0	0	0	0	0	0	0	0	0	1	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	1	0	0	0	0	0	0	0	0	13	11	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	3	0
WTR YR 2016	TOTAL		3	MEAN	0	MAX	13	MIN	0	AC_FT		6

Casandro Dam, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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23												
24									---			
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	3	1	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN	0	MAX	3	MIN	0						

Casandro Dam, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.6	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	0.3	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
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.5	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.7	2.6	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 2016	MEAN	0.19	MAX	3.66	MIN	0.19						

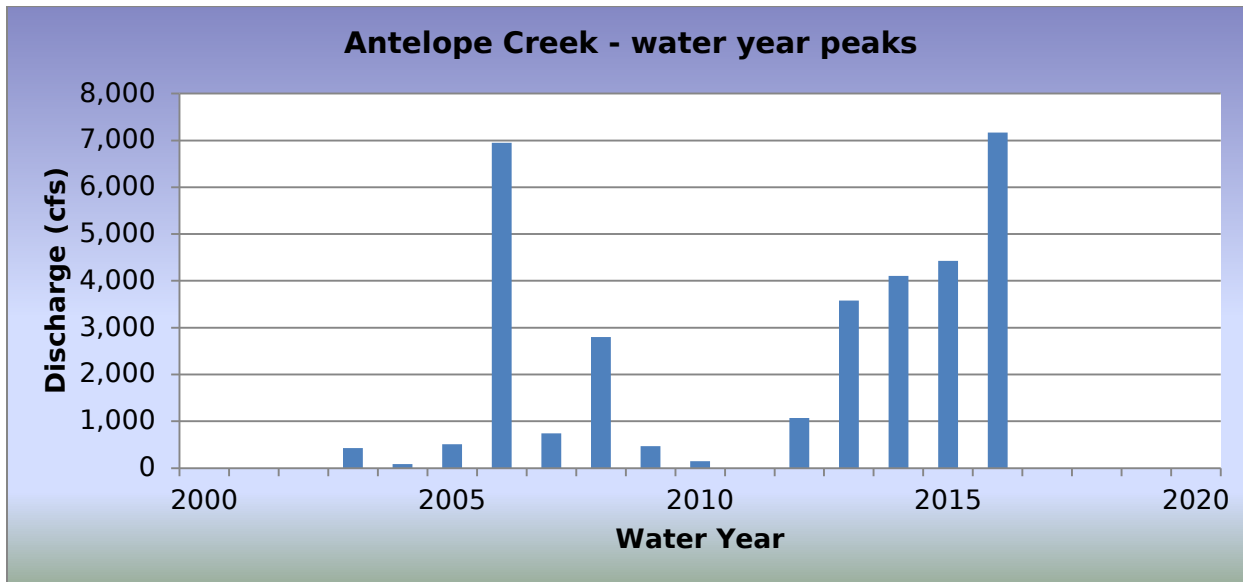
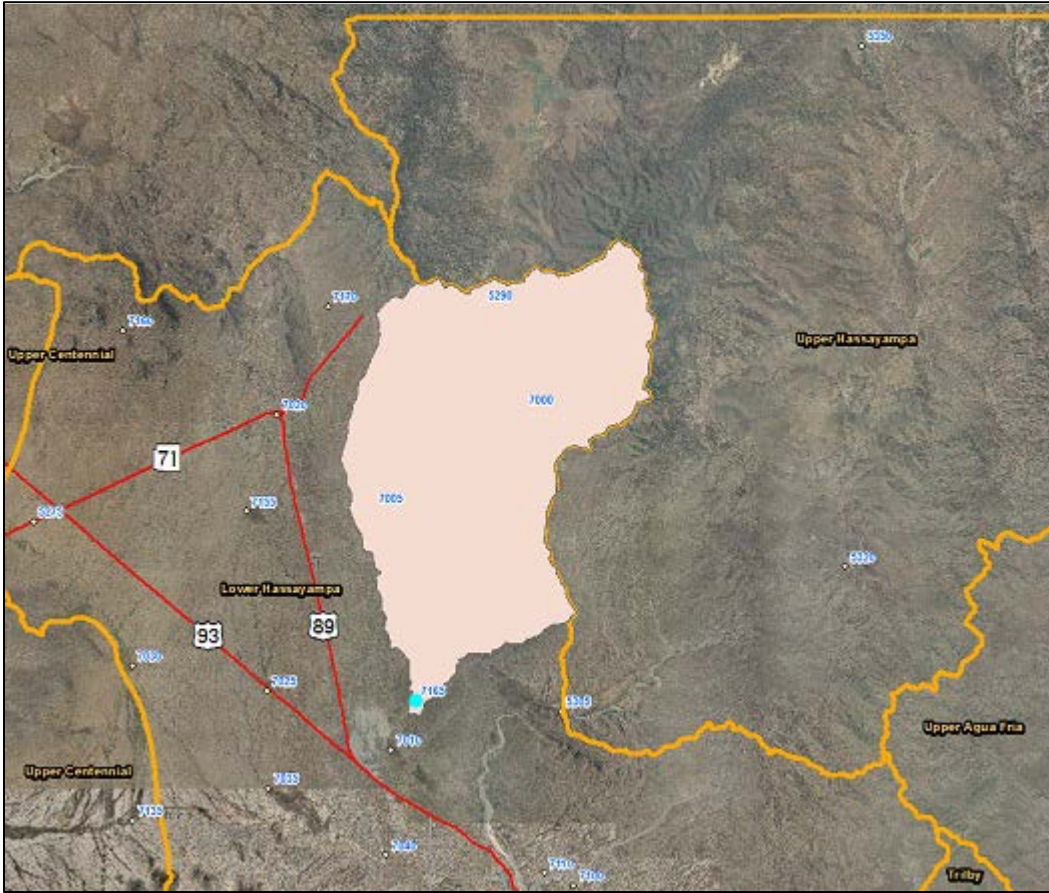
Antelope Creek, ID #7168



Site Data

LOCATION	Located about 1.5 miles upstream from Martinez Creek (7013)
DRAINAGE AREA	62 mi ²
STREAM TYPE	Natural Stream
JURISDICTION	Yavapai County, Arizona
WATERSHED	Lower Hassayampa
SECTION/TOWNSHIP/RANGE	S09 T8N R5W
LATITUDE	N 34° 02' 55.6" +34.04877
LONGITUDE	W 112° 46' 45.7" -112.77937
STREAMGAGE INSTALLATION DATE	07/09/2003 - WY 2003
AVAILABLE PERIOD OF RECORD	07/09/2003 - Current
LENGTH OF AVAILABLE POR DATA	13.23 Years 4,833 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.77 feet Gage Height
STAFF GAGES	0
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	2,406.00 feet NAVD 1988
POINT OF ZERO FLOW	1.4 feet Gage Height
EXTREME FOR PERIOD OF RECORD	7,169 cfs 5.42 feet 10/20/2015

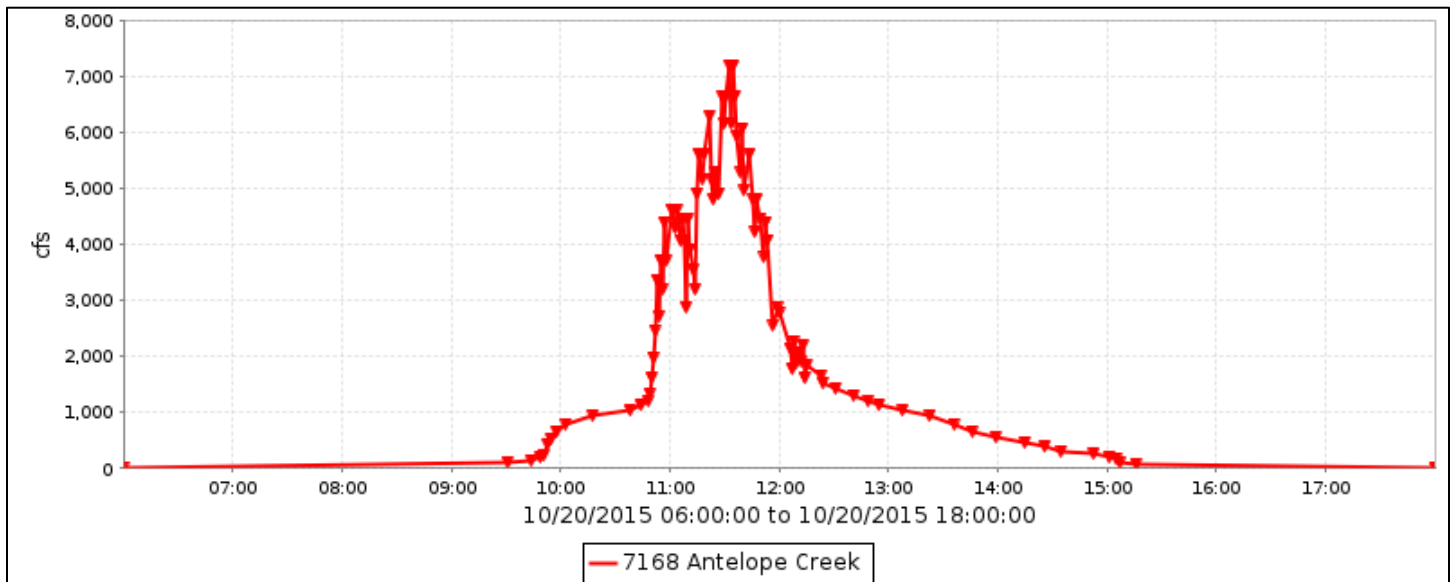
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Discharge (cfs)
10/05/2015	2.18	194
10/20/2015	5.42	7,169
07/31/2016 (gage failure)	4.30 (estimate)	2,800
08/04/2016	2.82	704
08/20/2016	3.10	1,042
08/22/2016	2.92	838

Hydrograph of peak WY 2016 flow event, 10/20/2015



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
1,090	3,770	6,980	11,400	19,400	27,300

NOTE: These results are based on very limited data.

Antelope Creek, runoff data

Discharge, in cfs, Water Year October 2015 to September 2016

DAY	Daily Mean Values												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4											30		
5	19												
6													
7		---											
8		---											
9													
10		---											
11		---											
12													
13													
14													
15													
16													
17													
18													
19													
20	391										54		
21													
22											56		
23													
24													
25					---								
26					---								
27					---								
28					---								
29													
30					---								
31		---			---		---		---			---	
TOTAL	410	0	0	0	0	0	0	0	0	0	140	0	
MEAN	13	0	0	0	0	0	0	0	0	0	5	0	
MAX	7169	0	0	0	0	0	0	0	0	0	1042	0	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	
AC_FT	813	0	0	0	0	0	0	0	0	0	278	0	
WTR YR 2016	TOTAL		550	MEAN		2	MAX	7169	MIN		0	AC_FT	1091

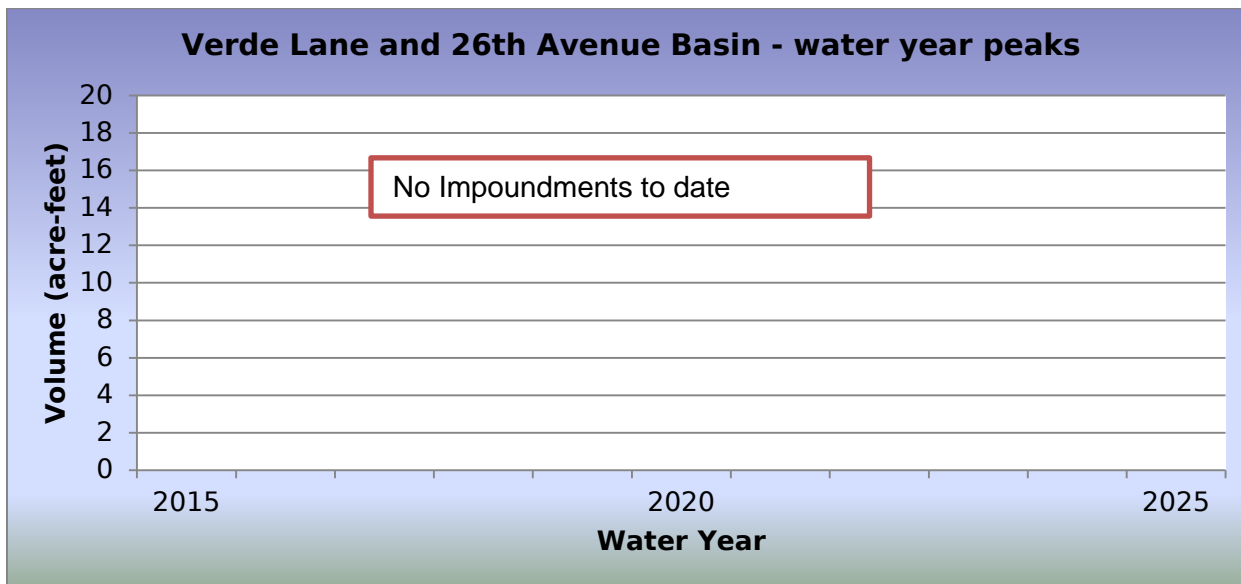
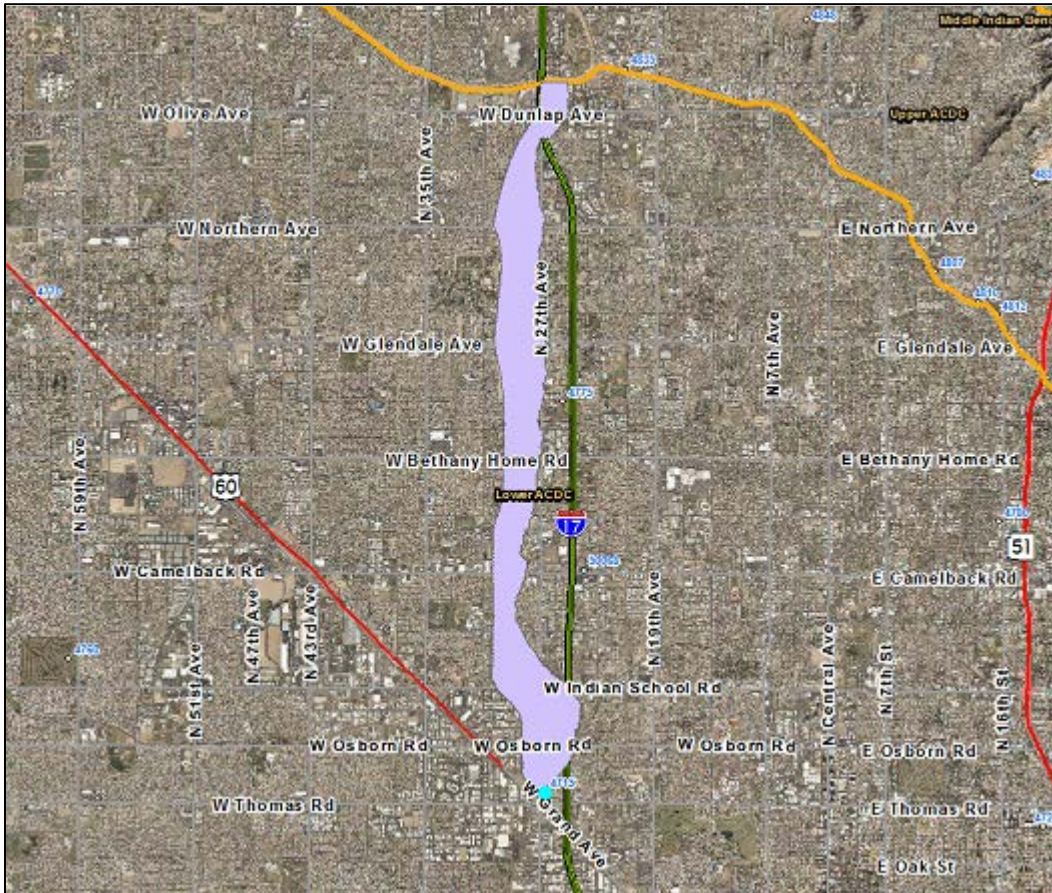
Grand Avenue at 27th Avenue Basin, ID #03807



Site Data

LOCATION	Located near north and east of Thomas Road and 27th Ave
DRAINAGE AREA	Undetermined
STREAM TYPE	Flood control basin
JURISDICTION	Phoenix, Arizona
WATERSHED	Lower ACDC
SECTION/TOWNSHIP/RANGE	S25 T2N R2E
LATITUDE	N 33° 28' 54.8" +33.48189
LONGITUDE	W 112° 06' 58.6" -112.11627
STREAMGAGE INSTALLATION DATE	10/06/2015 - WY 2016
AVAILABLE PERIOD OF RECORD	10/06/2015 - Current
LENGTH OF AVAILABLE POR DATA	0.99 Years 357 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	4.22 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	8.6 feet Gage Height

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

No impoundments were recorded during Water Year 2016.

Grand Avenue at 27th Avenue Basin, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

Grand Avenue at 27th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---											
2	---											
3	---											
4	---											
5	---											
6	14											
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	3	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 2016	MEAN		0	MAX	15	MIN	0					

Grand Avenue at 27th Avenue Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2	---	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
3	---	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
4	---	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
5	---	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
6	5.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
7	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
9	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
10	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
11	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
12	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
13	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
14	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
15	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
16	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
17	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
18	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
19	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
20	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
21	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
22	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
23	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
24	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
25	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
26	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
27	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
28	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
29	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
30	4.2	4.2	4.2	4.2	---	4.2	4.2	4.2	4.2	4.2	4.2	4.2
31	4.2	---	4.2	4.2	---	4.2	---	4.2	---	4.2	4.2	---
MEAN	4.4	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
MAX	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.5	4.2
MIN	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
WTR YR 2016	MEAN	4.22	MAX	4.47	MIN	4.20						

Phoenix Zoo Dam #3, ID #04307



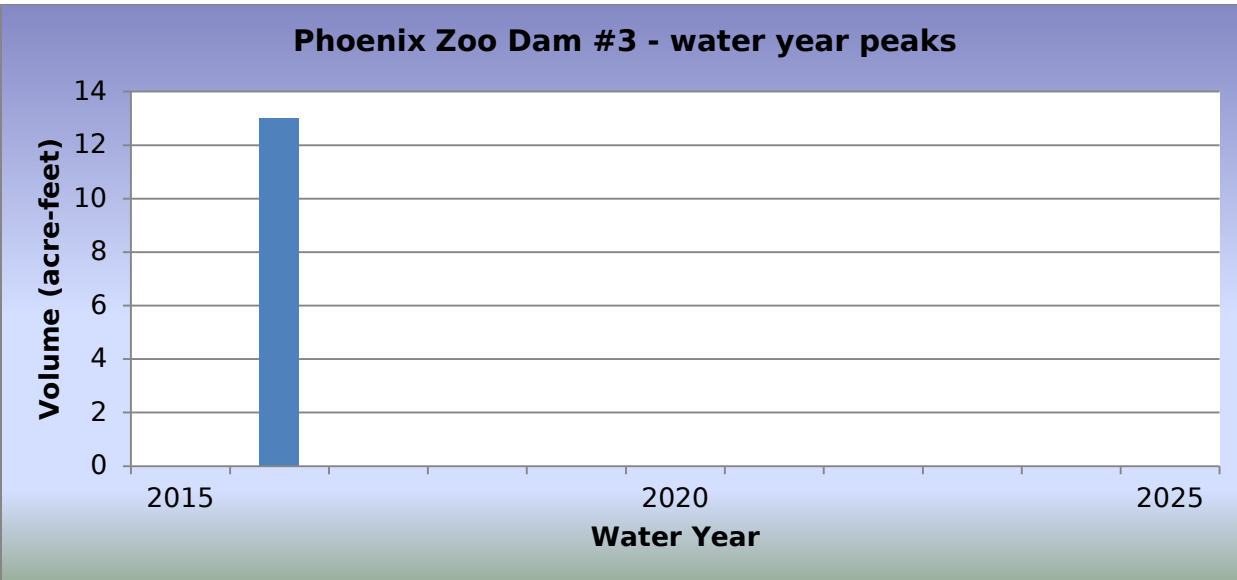
Site Data

LOCATION	Located in Papago Park on the north side of the Phoenix Zoo property.
DRAINAGE AREA	0.04 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	04/25/2016 - Current
LENGTH OF AVAILABLE POR DATA	0.43 Years 159 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	8.90 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
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

Watershed Map



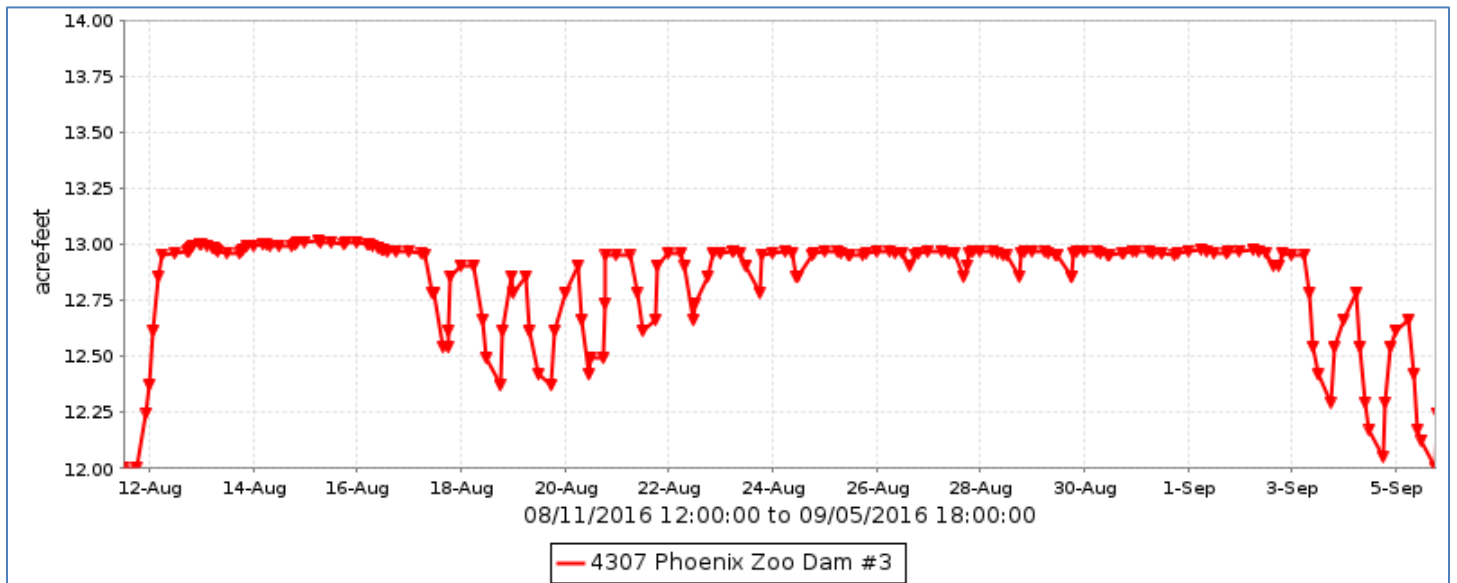
Phoenix Zoo Dam #3 - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/30/2016	10.07	13.01	N/A
08/02/2016	9.97	13.01	N/A
08/12/2016	9.90	13.00	N/A
08/15/2016	10.07	13.01	N/A

Hydrograph of peak WY 2016 impoundment event, 2 occurrences



Phoenix Zoo Dam #3, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

Phoenix Zoo Dam #3, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	13	13	12	13	13
2	---	---	---	---	---	---	---	13	13	12	13	13
3	---	---	---	---	---	---	---	13	13	12	13	13
4	---	---	---	---	---	---	---	13	13	12	12	12
5	---	---	---	---	---	---	---	12	13	12	12	12
6	---	---	---	---	---	---	---	12	13	13	12	12
7	---	---	---	---	---	---	---	12	13	13	12	12
8	---	---	---	---	---	---	---	12	13	13	12	12
9	---	---	---	---	---	---	---	13	13	13	12	12
10	---	---	---	---	---	---	---	13	13	13	12	12
11	---	---	---	---	---	---	---	13	13	13	12	12
12	---	---	---	---	---	---	---	13	13	13	13	12
13	---	---	---	---	---	---	---	13	13	13	13	13
14	---	---	---	---	---	---	---	12	13	13	13	13
15	---	---	---	---	---	---	---	12	13	13	13	13
16	---	---	---	---	---	---	---	12	13	13	13	13
17	---	---	---	---	---	---	---	12	13	13	13	13
18	---	---	---	---	---	---	---	12	13	13	13	13
19	---	---	---	---	---	---	---	12	12	13	13	13
20	---	---	---	---	---	---	---	13	12	13	13	13
21	---	---	---	---	---	---	---	13	12	13	13	13
22	---	---	---	---	---	---	---	13	12	13	13	13
23	---	---	---	---	---	---	---	13	12	13	13	13
24	---	---	---	---	---	---	---	13	12	13	13	13
25	---	---	---	---	---	---	13	13	13	13	13	13
26	---	---	---	---	---	---	12	13	13	13	13	13
27	---	---	---	---	---	---	12	13	13	13	13	13
28	---	---	---	---	---	---	12	13	13	13	13	13
29	---	---	---	---	---	---	12	13	13	13	13	13
30	---	---	---	---	---	---	13	13	13	13	13	13
31	---	---	---	---	---	---	---	12	---	13	13	---
MEAN	---	---	---	---	---	---	13	13	13	13	13	13
MAX	---	---	---	---	---	---	13	13	13	13	13	13
MIN	---	---	---	---	---	---	12	12	12	12	12	12
WTR YR 2016	MEAN	13	MAX	13	MIN	12						

Phoenix Zoo Dam #3, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	9.3	9.1	9.0	9.5	9.5
2	---	---	---	---	---	---	---	9.8	9.3	8.9	9.8	9.4
3	---	---	---	---	---	---	---	9.7	9.4	8.9	9.3	9.2
4	---	---	---	---	---	---	---	9.4	9.4	8.9	9.0	9.1
5	---	---	---	---	---	---	---	9.1	9.5	9.0	9.0	9.1
6	---	---	---	---	---	---	---	9.0	9.5	9.3	8.9	9.0
7	---	---	---	---	---	---	---	9.0	9.5	9.4	8.9	9.1
8	---	---	---	---	---	---	---	9.0	9.6	9.2	8.9	9.1
9	---	---	---	---	---	---	---	9.4	9.6	9.3	9.0	9.1
10	---	---	---	---	---	---	---	9.7	9.4	9.3	8.9	9.1
11	---	---	---	---	---	---	---	9.9	9.3	9.3	8.9	9.1
12	---	---	---	---	---	---	---	9.6	9.3	9.3	9.4	9.1
13	---	---	---	---	---	---	---	9.2	9.4	9.3	9.6	9.1
14	---	---	---	---	---	---	---	9.0	9.4	9.3	9.8	9.1
15	---	---	---	---	---	---	---	8.9	9.2	9.3	10.0	9.1
16	---	---	---	---	---	---	---	8.9	9.2	9.3	9.7	9.2
17	---	---	---	---	---	---	---	8.9	9.2	9.3	9.3	9.2
18	---	---	---	---	---	---	---	8.9	9.2	9.4	9.2	9.2
19	---	---	---	---	---	---	---	8.9	9.1	9.5	9.1	9.2
20	---	---	---	---	---	---	---	9.2	9.0	9.5	9.2	9.3
21	---	---	---	---	---	---	---	9.4	9.0	9.3	9.2	9.3
22	---	---	---	---	---	---	---	9.5	8.9	9.1	9.3	9.3
23	---	---	---	---	---	---	---	9.4	8.9	9.4	9.3	9.4
24	---	---	---	---	---	---	---	9.6	9.0	9.5	9.4	9.4
25	---	---	---	---	---	---	9.2	9.7	9.6	9.6	9.4	9.4
26	---	---	---	---	---	---	9.0	9.5	9.9	9.6	9.4	9.4
27	---	---	---	---	---	---	9.0	9.2	9.7	9.3	9.4	9.4
28	---	---	---	---	---	---	9.0	9.2	9.2	9.3	9.4	9.4
29	---	---	---	---	---	---	9.0	9.2	9.3	9.8	9.4	9.5
30	---	---	---	---	---	---	9.2	9.1	9.1	9.6	9.4	9.6
31	---	---	---	---	---	---	---	9.1	---	9.3	9.4	---
MEAN	---	---	---	---	---	---	9.2	9.3	9.3	9.3	9.3	9.2
MAX	---	---	---	---	---	---	9.3	10.0	10.0	10.1	10.1	9.7
MIN	---	---	---	---	---	---	8.9	8.9	8.9	8.9	8.9	8.9
WTR YR 2016	MEAN	9.27	MAX	10.07	MIN	8.90						

Phoenix Zoo Dam #5, ID #04407



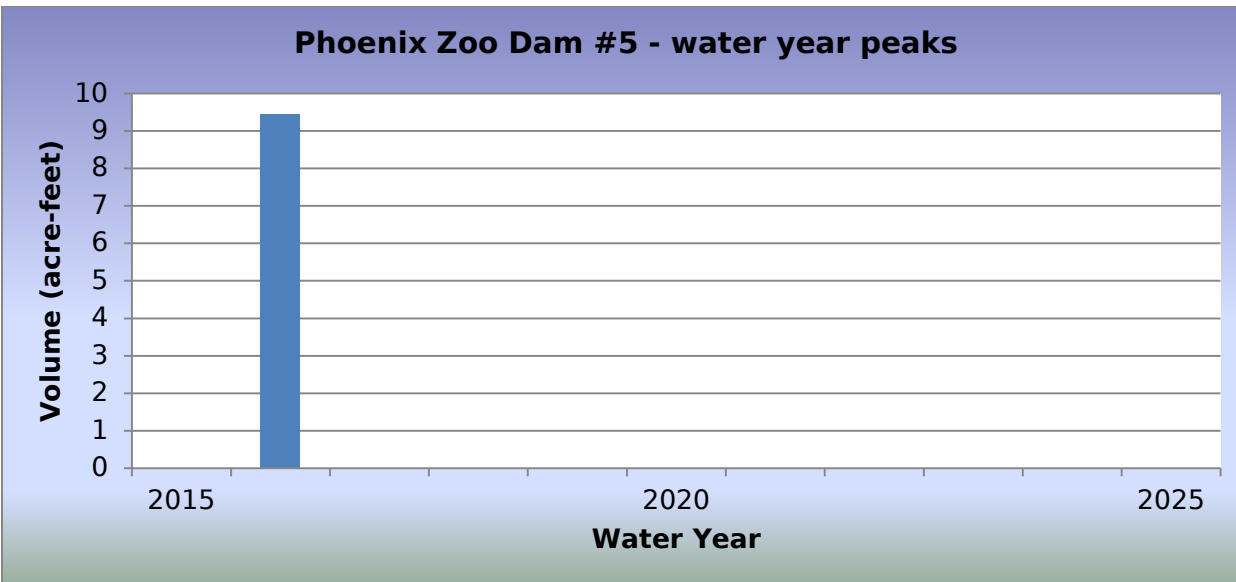
Site Data

LOCATION	Located within the Phoenix Zoo property at the southwest corner.
DRAINAGE AREA	0.23 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	04/28/2016 - Current
LENGTH OF AVAILABLE POR DATA	0.43 Years 156 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	7.75 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,204.50 feet MSL
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

Watershed Map



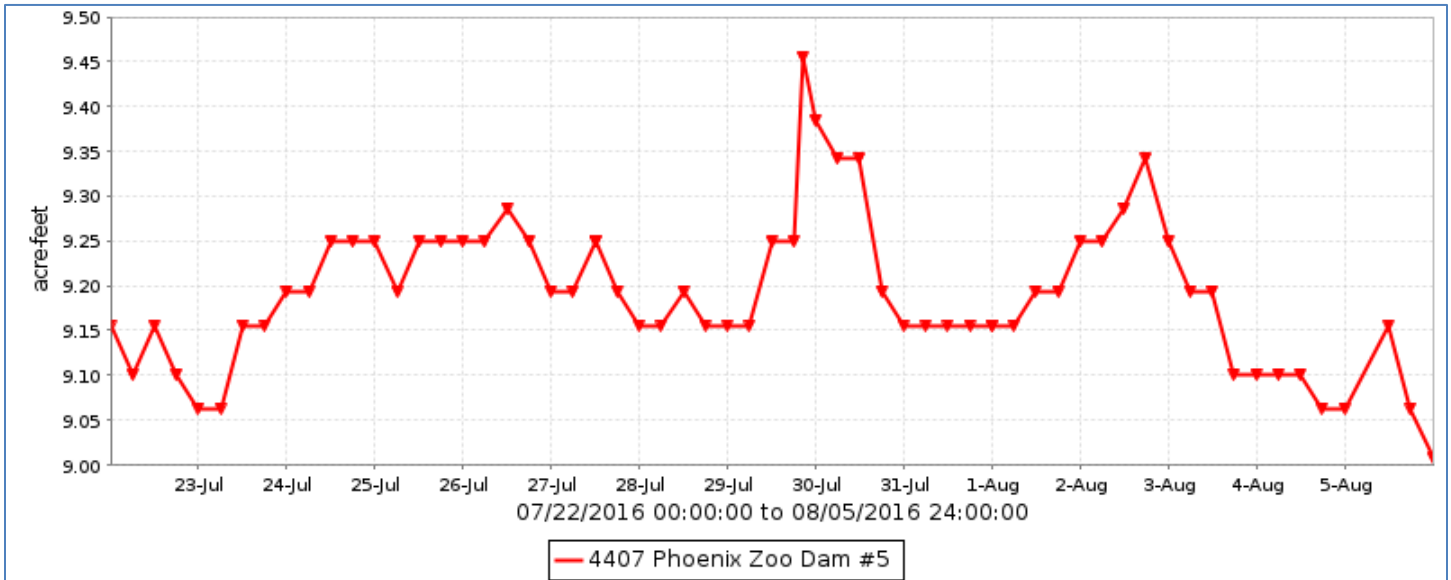
Phoenix Zoo Dam #5 - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
07/29/2016	8.63	9.45	N/A

Hydrograph of peak WY 2016 impoundment event, 07/29/2016



Phoenix Zoo Dam #5, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

Phoenix Zoo Dam #5, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	9	9	9	9	9
2	---	---	---	---	---	---	---	9	9	9	9	9
3	---	---	---	---	---	---	---	9	9	9	9	9
4	---	---	---	---	---	---	---	9	9	9	9	9
5	---	---	---	---	---	---	---	9	9	9	9	9
6	---	---	---	---	---	---	---	9	9	9	9	9
7	---	---	---	---	---	---	---	9	9	9	9	9
8	---	---	---	---	---	---	---	9	9	9	9	9
9	---	---	---	---	---	---	---	9	9	9	9	9
10	---	---	---	---	---	---	---	9	9	9	9	9
11	---	---	---	---	---	---	---	9	9	9	9	9
12	---	---	---	---	---	---	---	9	9	9	9	9
13	---	---	---	---	---	---	---	9	9	9	9	9
14	---	---	---	---	---	---	---	9	9	9	9	9
15	---	---	---	---	---	---	---	9	9	9	9	9
16	---	---	---	---	---	---	---	9	9	9	9	9
17	---	---	---	---	---	---	---	9	9	9	9	9
18	---	---	---	---	---	---	---	9	9	9	9	9
19	---	---	---	---	---	---	---	9	9	9	9	9
20	---	---	---	---	---	---	---	9	9	9	9	9
21	---	---	---	---	---	---	---	9	9	9	9	9
22	---	---	---	---	---	---	---	9	9	9	9	9
23	---	---	---	---	---	---	---	9	9	9	9	9
24	---	---	---	---	---	---	---	9	9	9	9	9
25	---	---	---	---	---	---	---	9	9	9	9	9
26	---	---	---	---	---	---	---	9	9	9	9	9
27	---	---	---	---	---	---	---	9	9	9	9	9
28	---	---	---	---	---	---	9	9	9	9	9	9
29	---	---	---	---	---	---	9	9	9	9	9	9
30	---	---	---	---	---	---	9	9	9	9	9	9
31	---	---	---	---	---	---	---	9	---	9	9	---
MEAN	---	---	---	---	---	---	9	9	9	9	9	9
MAX	---	---	---	---	---	---	9	9	9	9	9	9
MIN	---	---	---	---	---	---	9	9	9	9	9	9
WTR YR 2016	MEAN	9	MAX	9	MIN	9						

Phoenix Zoo Dam #5, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	8.4	8.4	8.4	8.5	8.4
2	---	---	---	---	---	---	---	8.4	8.4	8.4	8.5	8.4
3	---	---	---	---	---	---	---	8.5	8.4	8.4	8.5	8.5
4	---	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.4
5	---	---	---	---	---	---	---	8.4	8.4	8.3	8.4	8.4
6	---	---	---	---	---	---	---	8.3	8.5	8.4	8.4	8.4
7	---	---	---	---	---	---	---	8.3	8.5	8.5	8.4	8.4
8	---	---	---	---	---	---	---	8.3	8.5	8.5	8.4	8.4
9	---	---	---	---	---	---	---	8.3	8.5	8.5	8.4	8.4
10	---	---	---	---	---	---	---	8.4	8.5	8.5	8.4	8.4
11	---	---	---	---	---	---	---	8.4	8.5	8.5	8.4	8.4
12	---	---	---	---	---	---	---	8.4	8.5	8.5	8.4	8.4
13	---	---	---	---	---	---	---	8.4	8.5	8.5	8.5	8.4
14	---	---	---	---	---	---	---	8.4	8.5	8.5	8.5	8.4
15	---	---	---	---	---	---	---	8.3	8.5	8.5	8.5	8.4
16	---	---	---	---	---	---	---	8.3	8.5	8.5	8.5	8.4
17	---	---	---	---	---	---	---	8.3	8.5	8.5	8.5	8.4
18	---	---	---	---	---	---	---	8.3	8.5	8.5	8.4	8.4
19	---	---	---	---	---	---	---	8.3	8.5	8.5	8.4	8.4
20	---	---	---	---	---	---	---	8.3	8.5	8.5	8.4	8.4
21	---	---	---	---	---	---	---	8.4	8.4	8.5	8.4	8.5
22	---	---	---	---	---	---	---	8.4	8.4	8.5	8.4	8.5
23	---	---	---	---	---	---	---	8.4	8.4	8.5	8.4	8.5
24	---	---	---	---	---	---	---	8.4	8.4	8.5	8.4	8.5
25	---	---	---	---	---	---	---	8.4	8.5	8.5	8.4	8.5
26	---	---	---	---	---	---	---	8.4	8.6	8.5	8.4	8.5
27	---	---	---	---	---	---	---	8.4	8.6	8.5	8.4	8.4
28	---	---	---	---	---	---	8.3	8.4	8.5	8.5	8.4	8.4
29	---	---	---	---	---	---	8.3	8.4	8.5	8.5	8.4	8.4
30	---	---	---	---	---	---	8.3	8.4	8.5	8.6	8.4	8.5
31	---	---	---	---	---	---	---	8.4	---	8.5	8.4	---
MEAN	---	---	---	---	---	---	8.3	8.4	8.5	8.5	8.4	8.4
MAX	---	---	---	---	---	---	8.3	8.5	8.6	8.6	8.6	8.5
MIN	---	---	---	---	---	---	8.3	8.2	8.3	8.3	8.4	8.4
WTR YR 2016	MEAN	8.36	MAX	8.63	MIN	8.25						

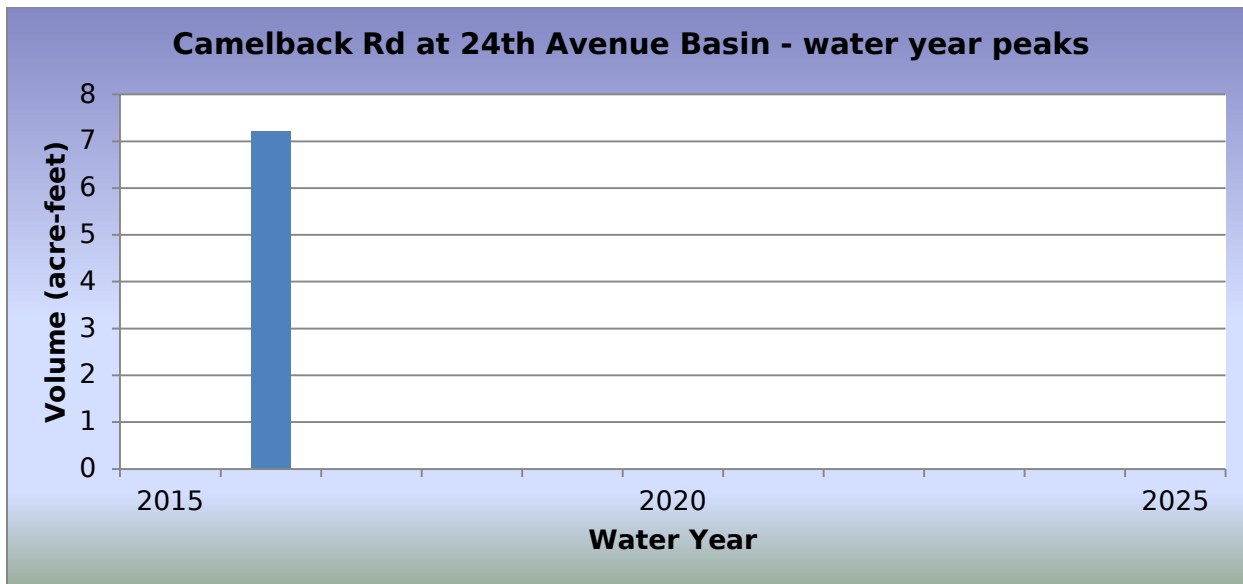
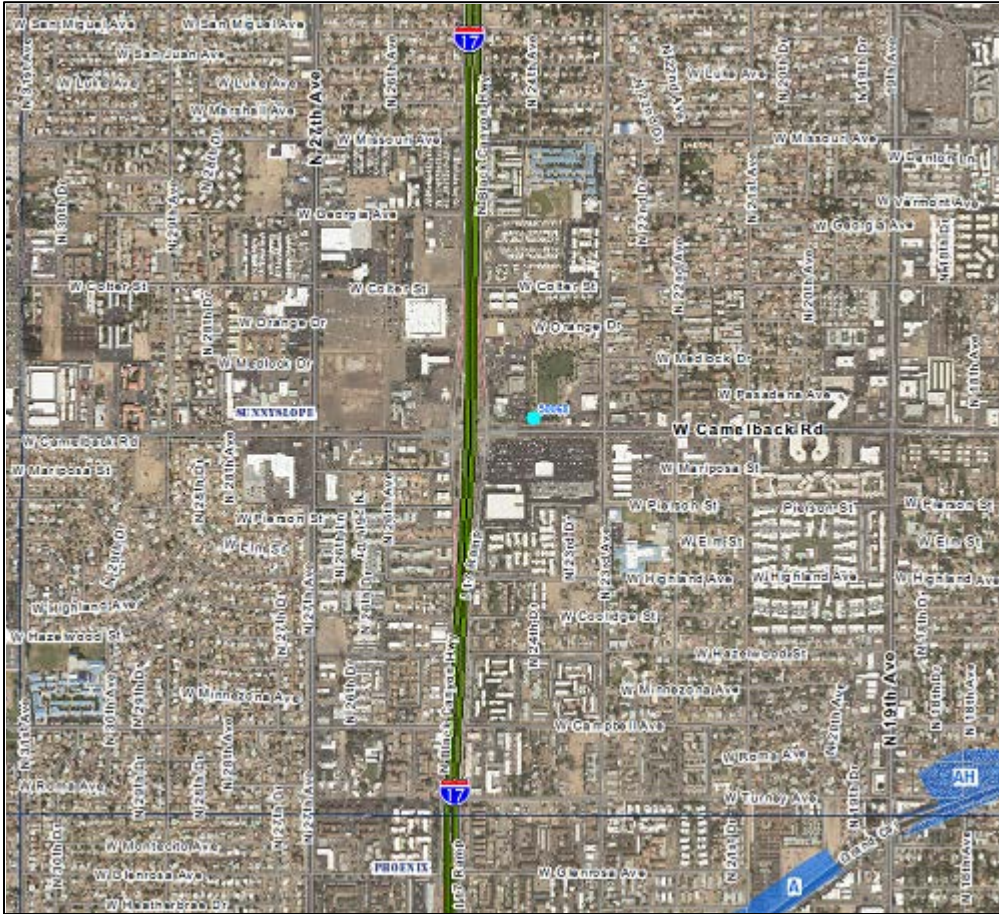
Camelback Road at 24th Avenue Basin, ID #06807



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	10/01/2015 - Current
LENGTH OF AVAILABLE POR DATA	1.00 Years 366 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.50 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	6.4 feet Gage Height

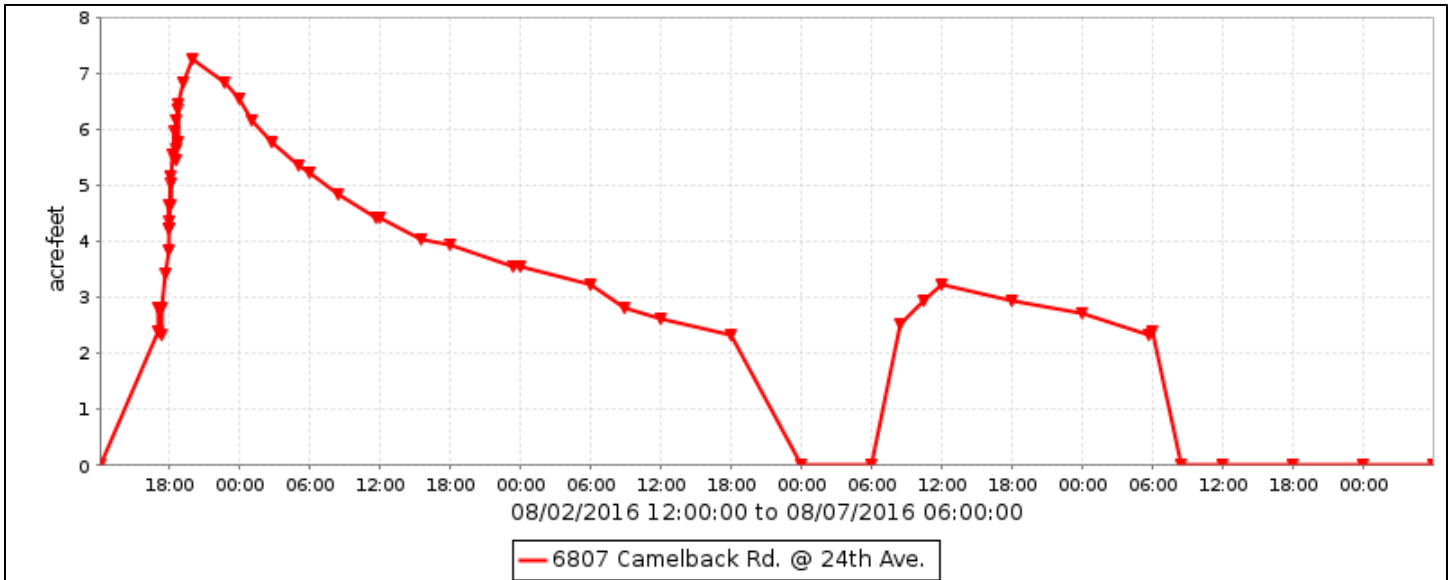
Location Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
08/02/2016	1.80	7.23	27.7

Hydrograph of peak WY 2016 impoundment event, 08/02/2016



Camelback Road at 24th Avenue Basin, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

Camelback Road at 24th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---											
2	---										2	
3	---										5	
4	---										3	
5	---										2	
6	---										1	
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	1	0	0	0	0	0	0	0	0	0	0	0
MAX	2	0	0	0	0	0	0	0	0	0	7	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	7	MIN	0					

Camelback Road at 24th Avenue Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
3	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.2
4	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
5	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
6	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
7	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
11	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
12	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
13	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
14	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
16	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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	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	1.8	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 2016	MEAN	0.50	MAX	1.80	MIN	0.48						

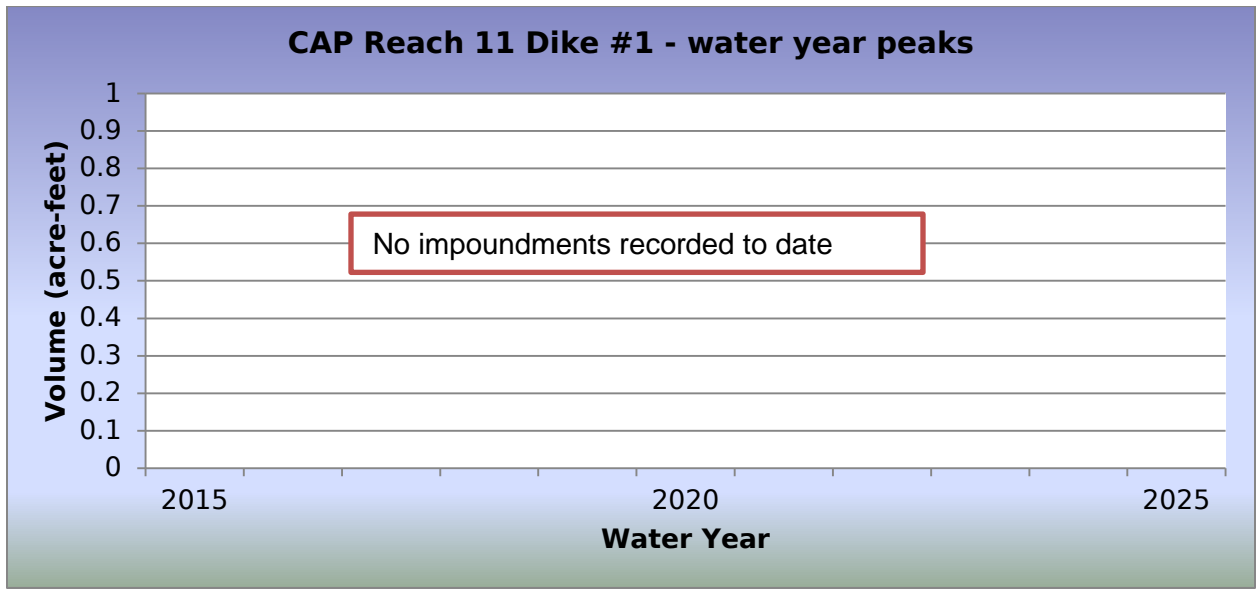
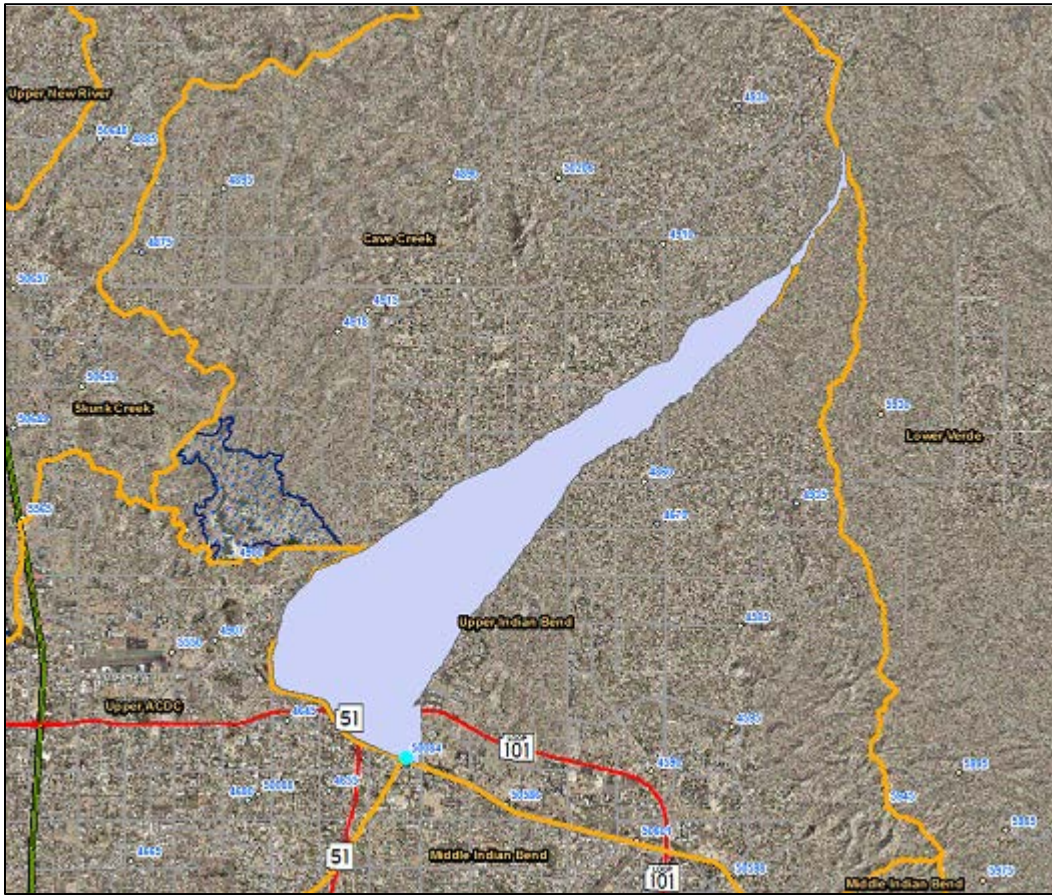
CAP Reach #11 Dike #1, ID #08407



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	07/19/2016 - Current
LENGTH OF AVAILABLE POR DATA	0.20 Years 73 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	32.0 feet Gage Height

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

No impoundments were recorded during Water Year 2016.

CAP Reach 11 Dike #1, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

CAP Reach 11 Dike #1, volume data

Volume, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	MEAN	---	MAX	---	MIN	---						

CAP Reach 11 Dike #1, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	0.0	0.0
2	---	---	---	---	---	---	---	---	---	---	0.0	0.0
3	---	---	---	---	---	---	---	---	---	---	0.0	0.0
4	---	---	---	---	---	---	---	---	---	---	0.0	0.0
5	---	---	---	---	---	---	---	---	---	---	0.0	0.0
6	---	---	---	---	---	---	---	---	---	---	0.0	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	0.0
8	---	---	---	---	---	---	---	---	---	---	0.0	0.0
9	---	---	---	---	---	---	---	---	---	---	0.0	0.0
10	---	---	---	---	---	---	---	---	---	---	0.0	0.0
11	---	---	---	---	---	---	---	---	---	---	0.0	0.0
12	---	---	---	---	---	---	---	---	---	---	0.0	0.0
13	---	---	---	---	---	---	---	---	---	---	0.0	0.0
14	---	---	---	---	---	---	---	---	---	---	0.0	0.0
15	---	---	---	---	---	---	---	---	---	---	0.0	0.0
16	---	---	---	---	---	---	---	---	---	---	0.0	0.0
17	---	---	---	---	---	---	---	---	---	---	0.0	0.0
18	---	---	---	---	---	---	---	---	---	---	0.0	0.0
19	---	---	---	---	---	---	---	---	---	0.3	0.0	0.0
20	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
21	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
22	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
23	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
24	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
25	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
26	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
27	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
28	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
29	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
30	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
31	---	---	---	---	---	---	---	---	---	0.0	0.0	---
MEAN	---	---	---	---	---	---	---	---	---	0.5	0.0	0.0
MAX	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
MIN	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
WTR YR 2016	MEAN	0.67	MAX	0.00	MIN	0.00						

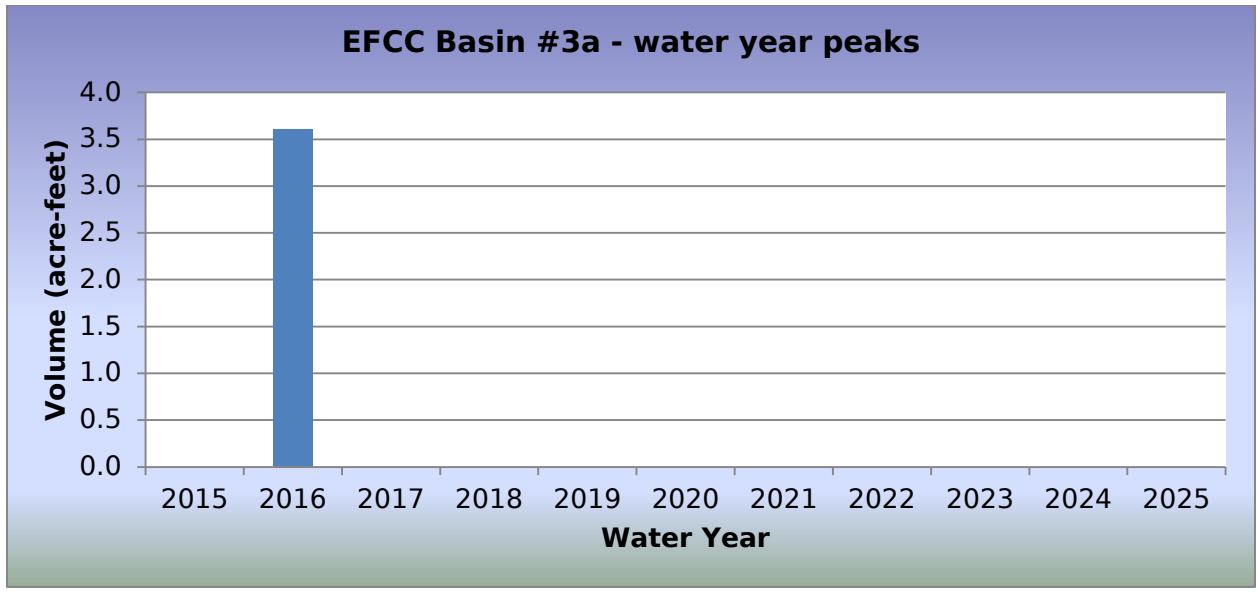
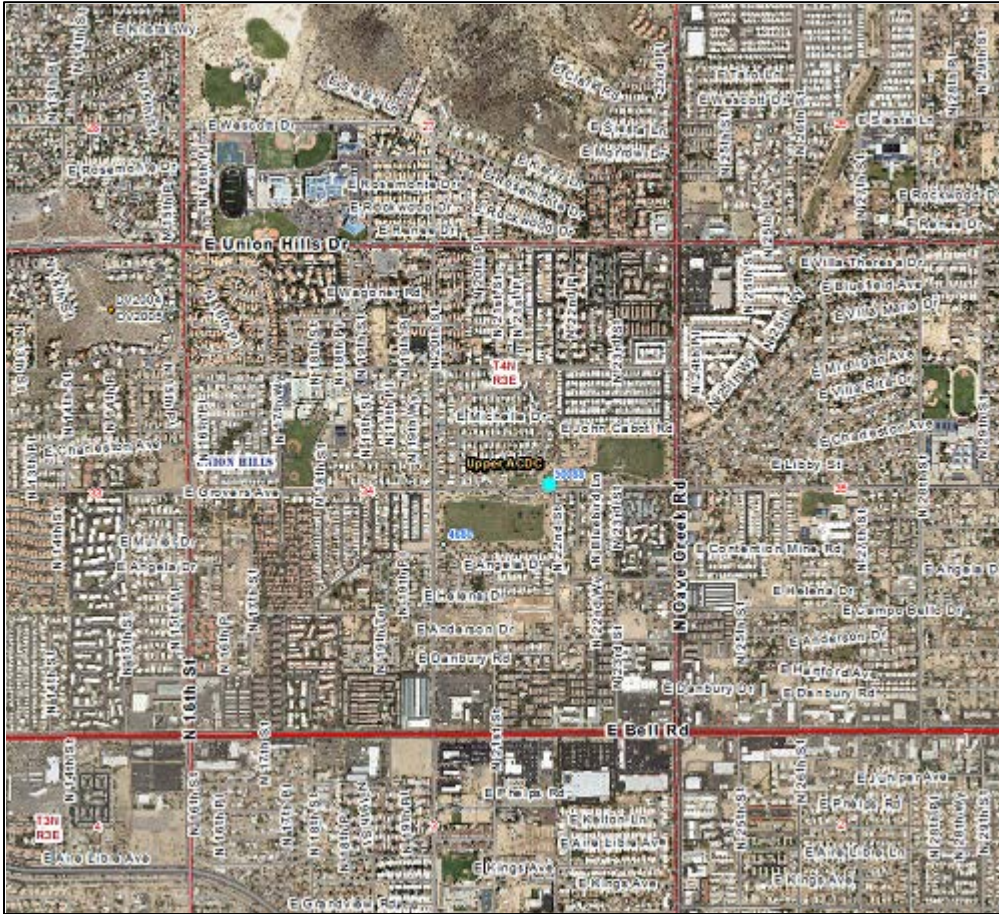
East Fork Cave Creek Basin #3A, ID #08807



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	10/14/2015 - Current
LENGTH OF AVAILABLE POR DATA	0.96 Years 352 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	14.3 feet Gage Height

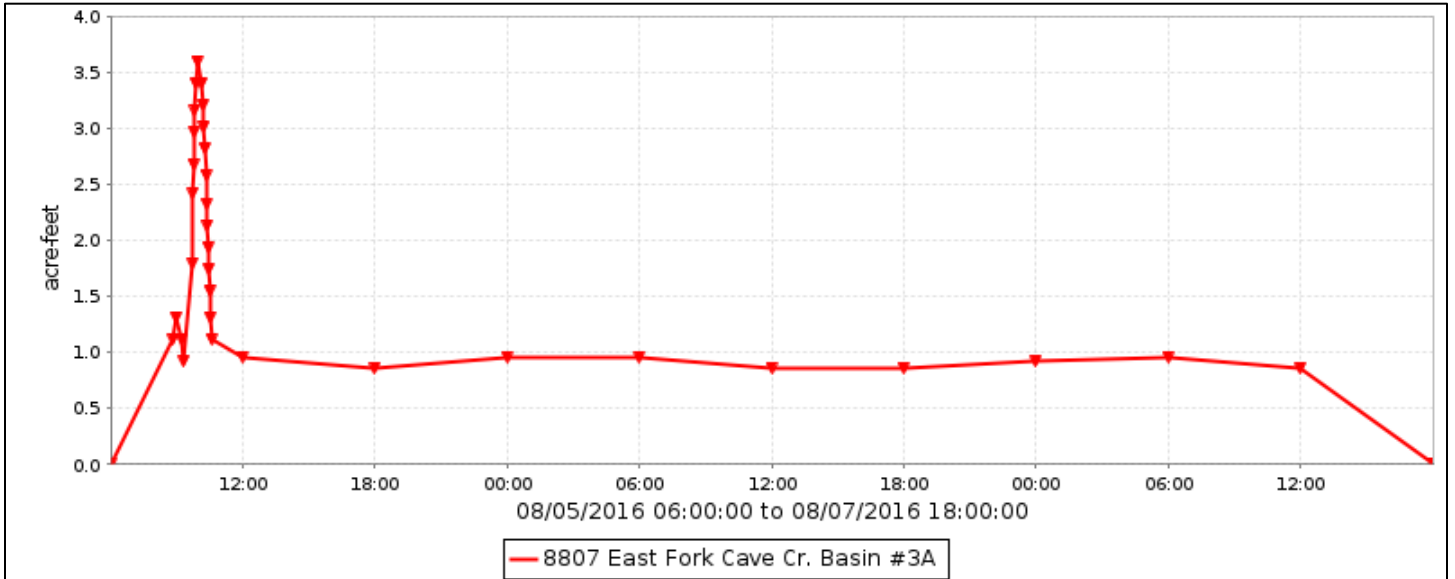
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/06/2016	1.07	1.2	1.0
01/07/2016	1.09	1.2	1.1
08/05/2016	2.29	3.6	3.1

Hydrograph of peak WY 2016 impoundment event, 08/05/2016



EFCC Basin #3A, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	---														
2	---														
3	---														
4	---														
5	---										18				
6	---			1							26				
7	---			6							20				
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	7	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	32	0	0	0	0	0	0	73	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	0	13	0	0	0	0	0	0	127	0			
WTR YR 2016	TOTAL		71	MEAN		0	MAX		73	MIN		0	AC_FT		140

EFCC Basin #3A, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---											
2	---											
3	---											
4	---											
5	---										1	
6	---										1	
7	---										1	
8	---											
9	---											
10	---											
11	---											
12	---											
13	---											
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26									---			
27									---			
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	1	0	0	0	0	0	0	4	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	4	MIN	0					

EFCC Basin #3A, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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
2	---	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
4	---	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	0.9	0.8
6	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8
7	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8
8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
9	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
11	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
12	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
13	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
14	0.4	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
27	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8
28	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
29	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30	0.8	0.8	0.8	0.8	---	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31	0.8	---	0.8	0.8	---	0.8	---	0.8	---	0.8	0.8	---
MEAN	0.5	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	1.1	0.8	0.8	0.8	0.8	0.8	0.8	2.3	0.8
MIN	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
WTR YR 2016	MEAN	0.77	MAX	2.29	MIN	0.00						

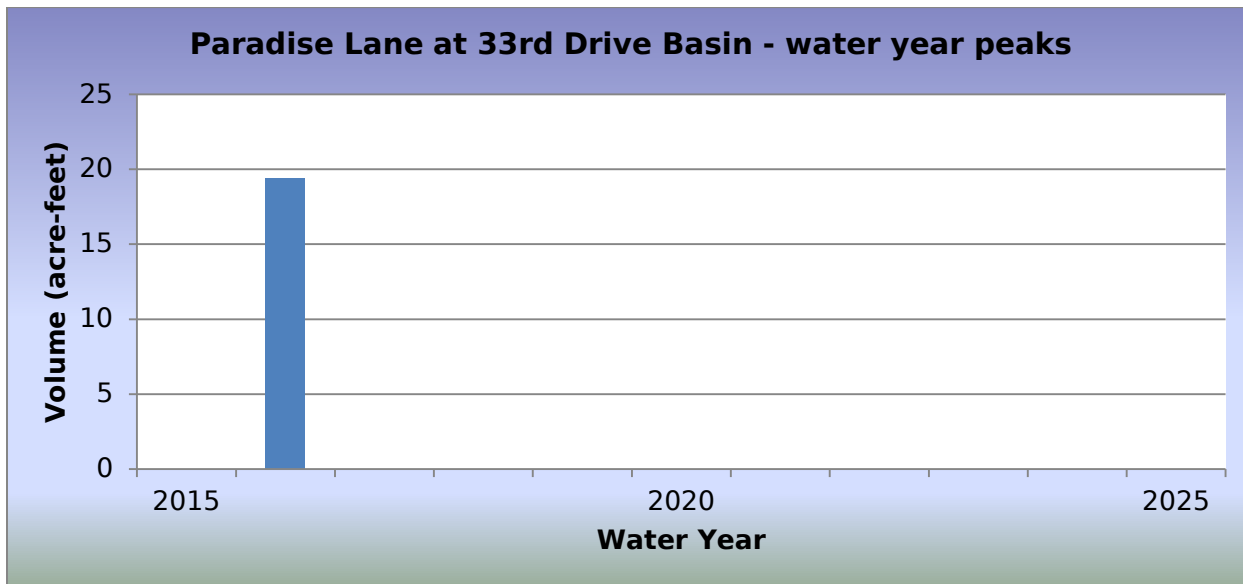
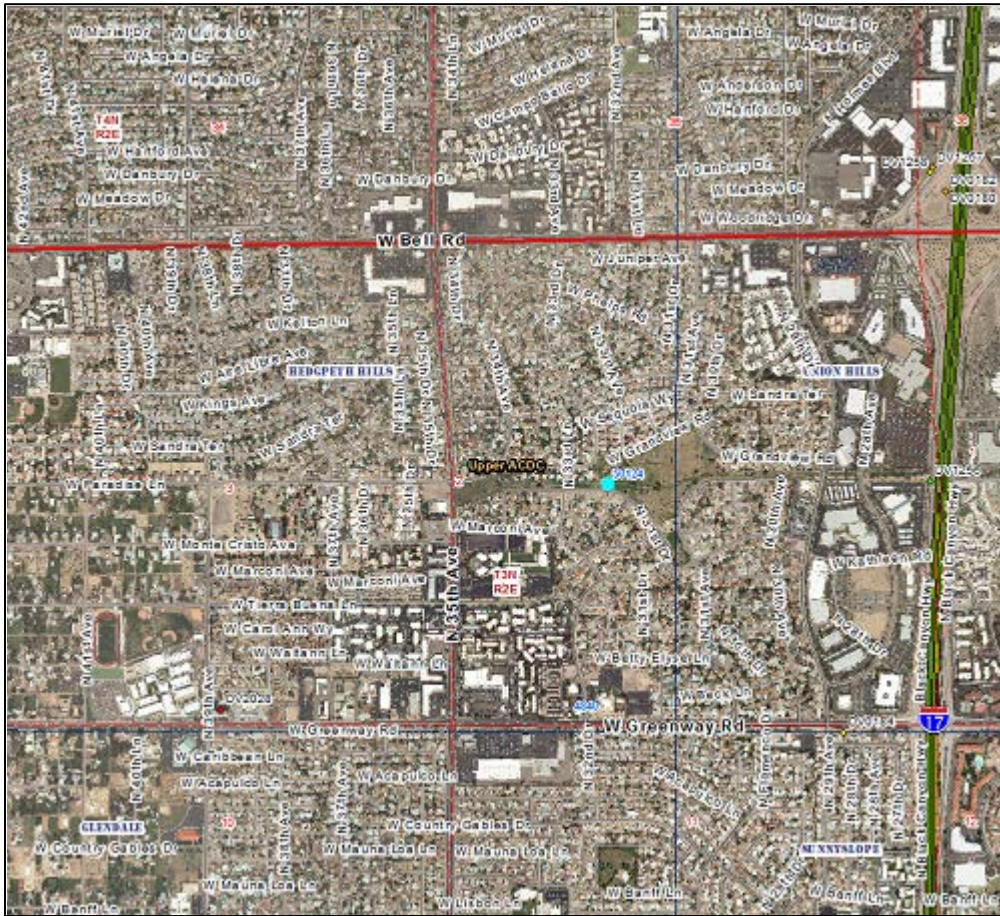
Paradise Lane at 33rd Drive Basin, ID #12407



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	10/08/2015 - Current
LENGTH OF AVAILABLE POR DATA	0.98 Years 359 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.49 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	4.9 feet Gage Height

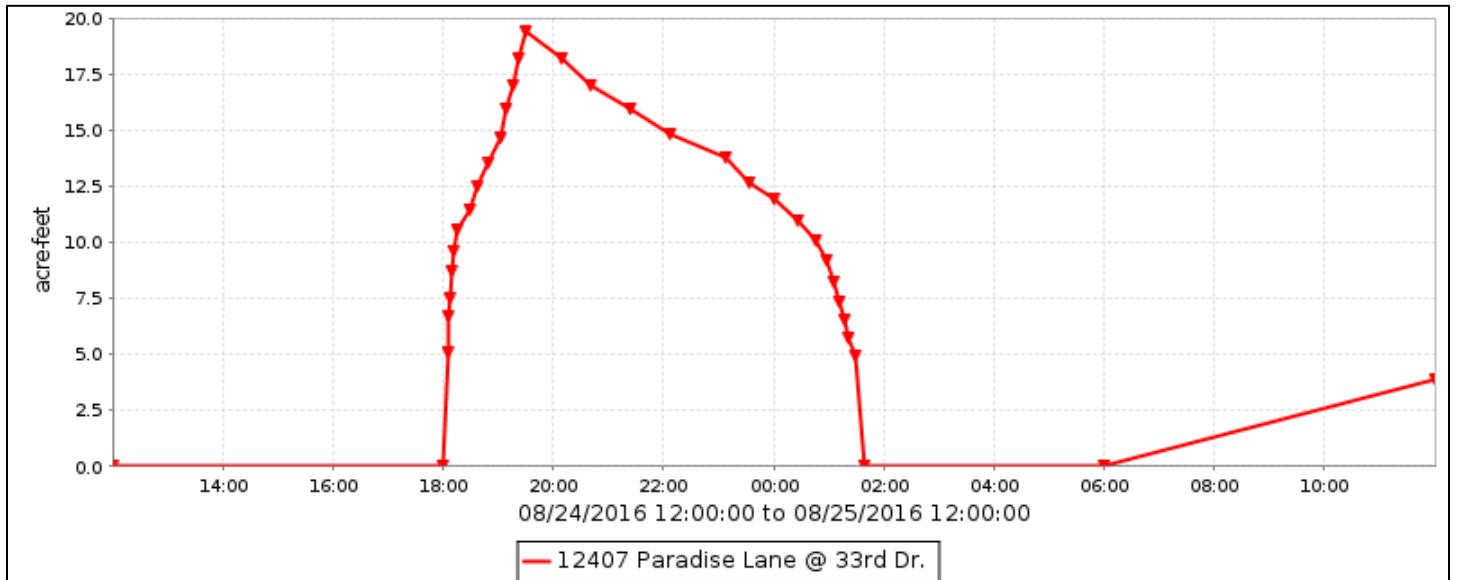
Location Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/18/2015	1.26	9.6	11.4
10/20/2015	0.98	7.0	8.3
01/06/2016	2.08	18.2	21.5
01/07/2016	1.93	16.4	19.4
01/31/2016	1.41	11.0	11.9
06/29/2016	0.81	5.7	6.7
08/05/2016	1.91	16.2	19.2
08/23/2016	1.06	7.8	9.2
08/24/2016	2.18	19.4	22.9
08/26/2016	1.18	8.9	10.5

Hydrograph of peak WY 2016 impoundment event, 08/24/2016



Paradise Lane at 33rd Drive Basin, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	---				4										
2	---														
3	---														
4	---														
5	---										8				
6	---			14											
7	---			14								1			
8				2											
9	---														
10	---														
11	---														
12															
13															
14															
15															
16															
17															
18	5														
19															
20	5														
21															
22															
23											1				
24											4				
25											5				
26											4				
27															
28															
29															
30					---										
31		---		1	---		---		---			---			
TOTAL	10	0	0	30	4	0	0	0	1	0	23	1			
MEAN	0	0	0	1	0	0	0	0	0	0	1	0			
MAX	16	0	0	19	17	0	0	0	11	0	20	9			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	20	0	0	60	8	0	0	0	1	0	45	1			
WTR YR 2016	TOTAL		68	MEAN		0	MAX		20	MIN		0	AC_FT		135

Paradise Lane at 33rd Drive Basin, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---				3							
2	---											
3	---											
4	---											
5	---										5	
6	---			11								
7	---			9								
8	---			1								
9	---											
10	---											
11	---											
12												
13												
14												
15												
16												
17												
18	3											
19												
20	2											
21												
22												
23												
24											4	
25											3	
26											2	
27												
28												
29												
30												
31		---		1	---		---		---			---
MEAN	0	0	0	1	0	0	0	0	0	0	0	0
MAX	10	0	0	18	13	0	0	0	6	0	19	4
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	19	MIN	0					

Paradise Lane at 33rd Drive, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.5	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
4	---	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	0.8	0.5
6	---	0.5	0.5	1.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7	---	0.5	0.5	1.2	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
10	---	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
12	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
13	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
14	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
16	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18	0.7	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	0.6	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	0.8	0.5
25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5
26	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5
27	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30	0.5	0.5	0.5	0.5	---	0.5	0.5	0.5	0.5	0.5	0.5	0.5
31	0.5	---	0.5	0.5	---	0.5	---	0.5	---	0.5	0.5	---
MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MAX	1.3	0.5	0.5	2.1	1.6	0.5	0.5	0.5	0.8	0.5	2.2	0.7
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 2016	MEAN	0.50	MAX	2.18	MIN	0.49						

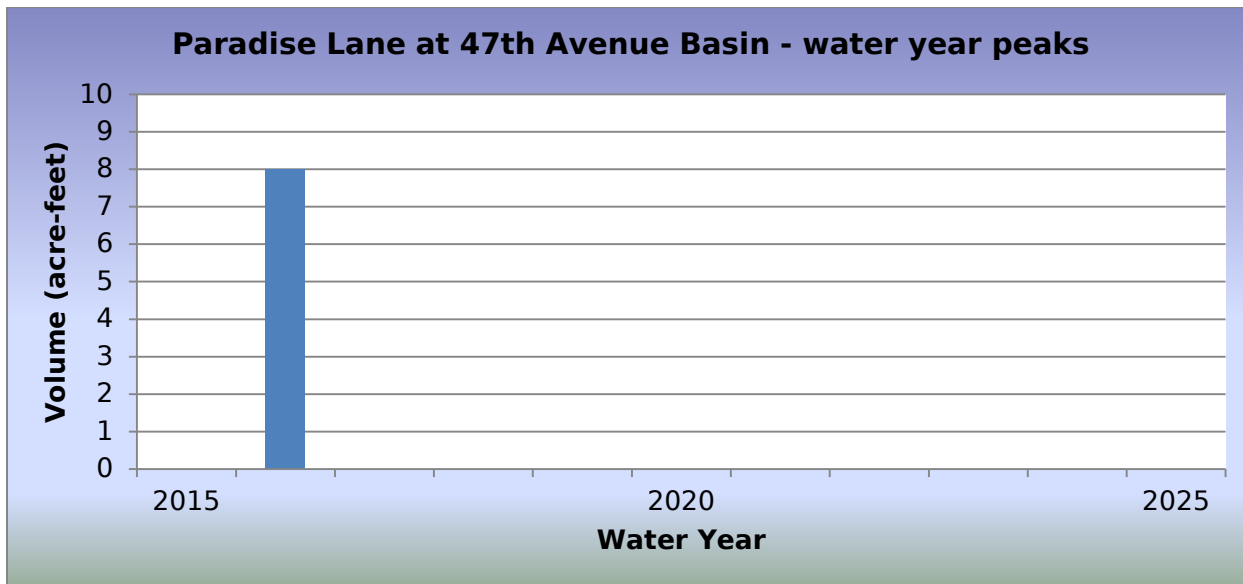
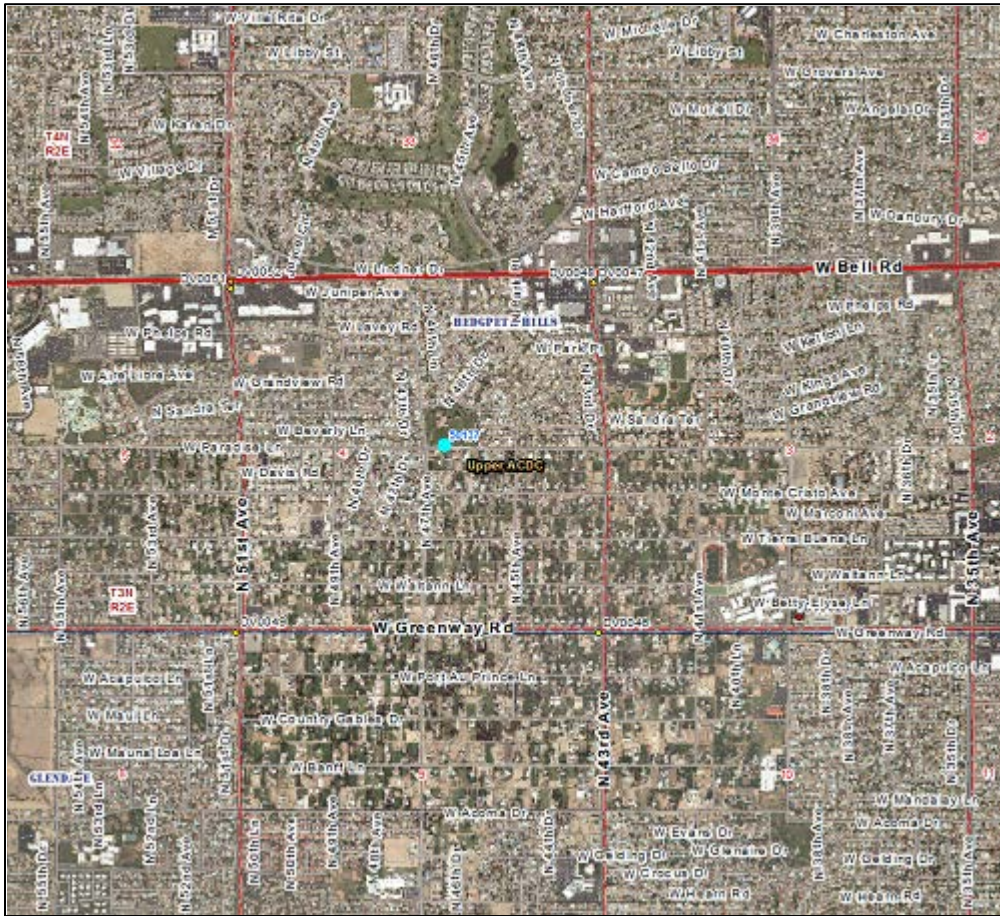
Paradise Lane at 47th Avenue Basin, ID #13707



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	10/08/2015 - Current
LENGTH OF AVAILABLE POR DATA	0.98 Years 359 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE TYPE	Pressure Transducer
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	4.5 feet Gage Height

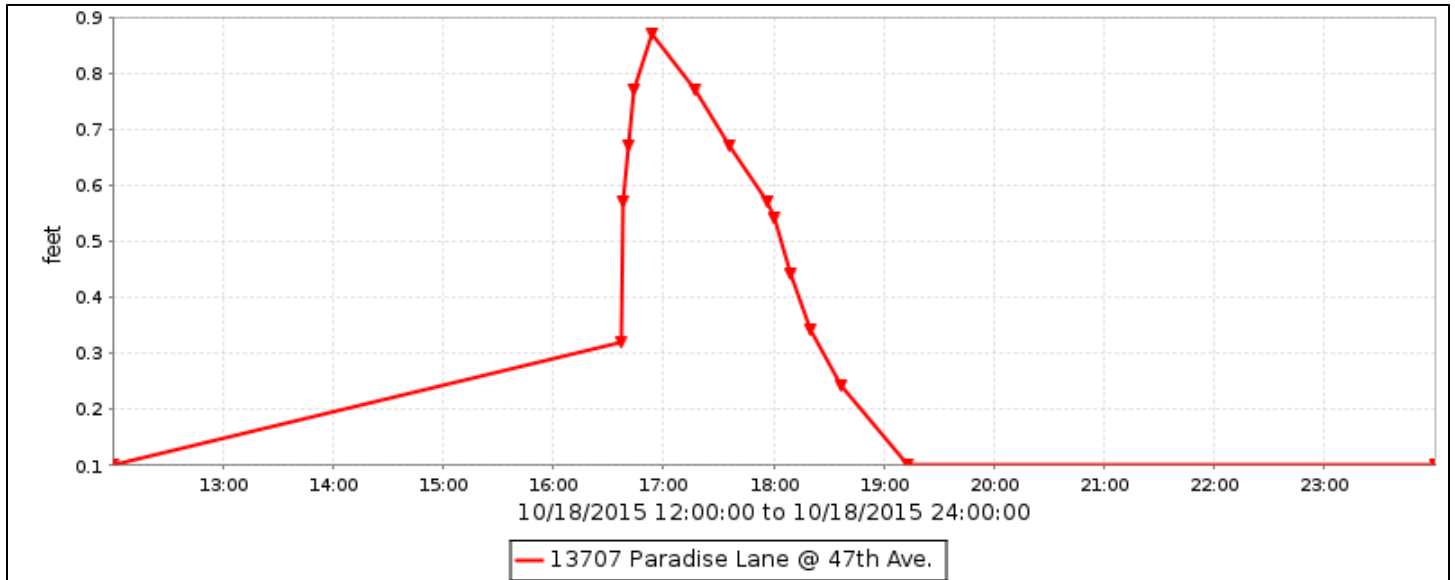
Location Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/18/2015	0.87	8.0	19.3

Hydrograph of peak WY 2016 impoundment event, 10/18/2015



Paradise Lane at 47th Avenue Basin, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

Paradise Lane at 47th Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	1											
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	8	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 2016	MEAN	0	MAX	8	MIN	0						

Paradise Lane at 47th Avenue Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	---	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
6	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	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	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
WTR YR 2016	MEAN	0.10	MAX	0.87	MIN	0.10						

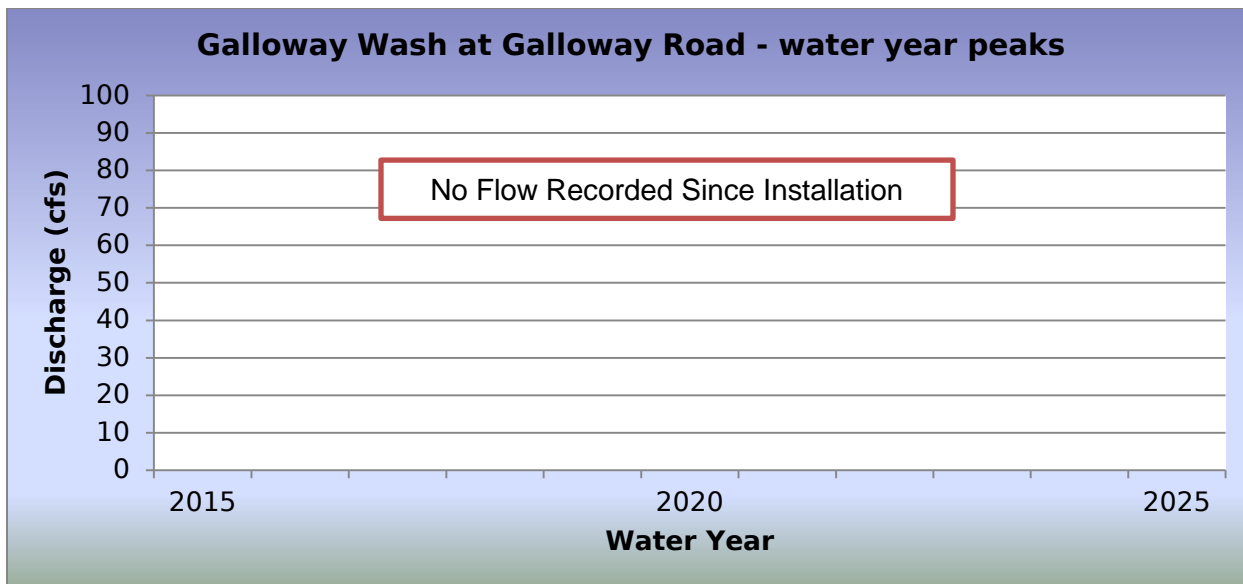
Galloway Wash at Galloway Road, ID #20607



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	08/16/2016 - Current
LENGTH OF AVAILABLE POR DATA	0.13 Years 46 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.15 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	2,285.00 feet NAVD88
POINT OF ZERO FLOW	0.1 feet Gage Height
EXTREME FOR PERIOD OF RECORD	No Events Recorded

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There were no runoff events recorded in Water Year 2016.

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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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
MEAN	---	---	---	---	---	---	---	---	---	---	0	0
MAX	---	---	---	---	---	---	---	---	---	---	0	0
MIN	---	---	---	---	---	---	---	---	---	---	0	0
AC_FT	---	---	---	---	---	---	---	---	---	---	0	0
WTR YR 2016	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC_FT	0		

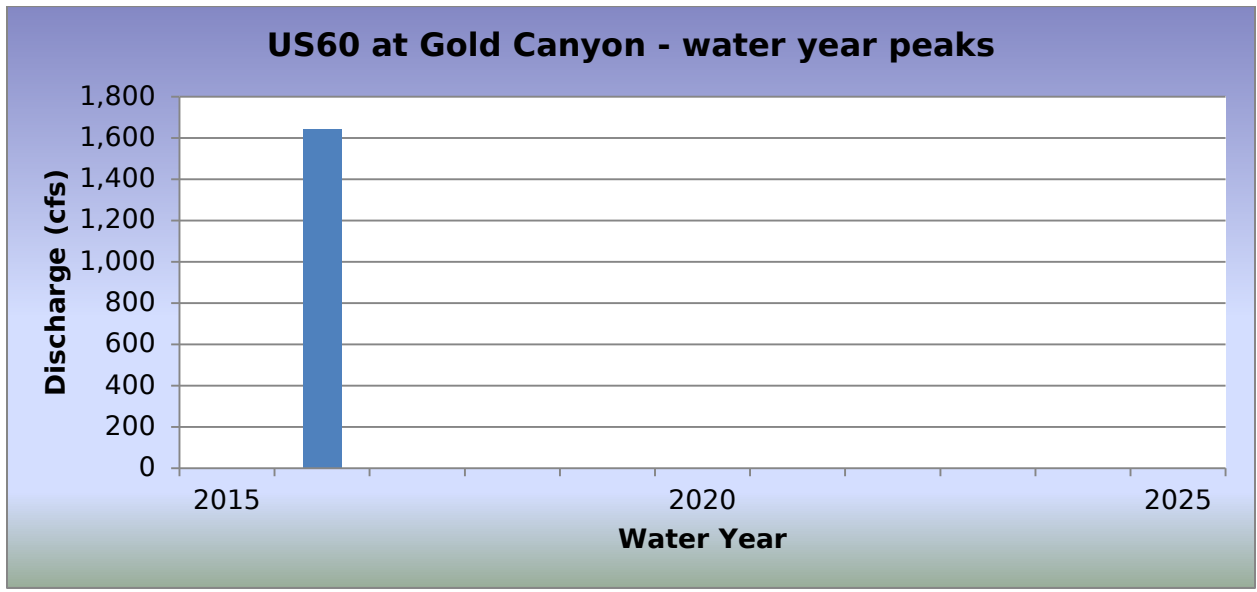
US60 at Gold Canyon, ID #36907



Site Data

LOCATION	Located near Superstition Mountain Drive and US60 in Gold Canyon
DRAINAGE AREA	9.25 mi ²
STREAM TYPE	Natural wash flows at a culvert
JURISDICTION	Pinal County, Arizona
WATERSHED	Upper East Maricopa Floodway
SECTION/TOWNSHIP/RANGE	S07 T1S R9E
LATITUDE	N 33° 21' 53.5" +33.36486
LONGITUDE	W 111° 28' 32.8" -111.47579
STREAMGAGE INSTALLATION DATE	05/11/2016 - WY 2016
AVAILABLE PERIOD OF RECORD	05/11/2016 - Current
LENGTH OF AVAILABLE POR DATA	0.39 Years 143 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.10 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	No Events Recorded

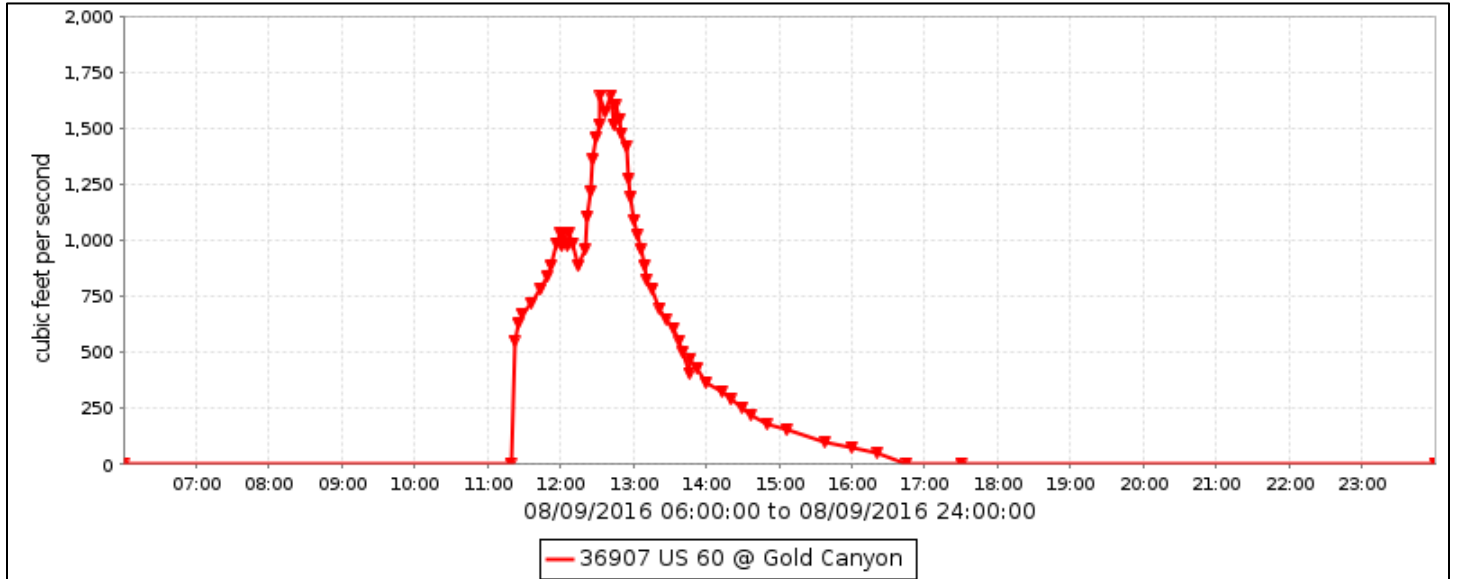
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/09/2016	4.06	1,644

Hydrograph of peak WY 2016 flow event



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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---				
2	---	---	---	---	---	---	---	---				
3	---	---	---	---	---	---	---	---				
4	---	---	---	---	---	---	---	---				
5	---	---	---	---	---	---	---	---				
6	---	---	---	---	---	---	---	---				
7	---	---	---	---	---	---	---	---				
8	---	---	---	---	---	---	---	---				
9	---	---	---	---	---	---	---	---			120	
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	120	0
MEAN	---	---	---	---	---	---	---	0	0	0	4	0
MAX	---	---	---	---	---	---	---	0	0	0	1644	0
MIN	---	---	---	---	---	---	---	0	0	0	0	0
AC_FT	---	---	---	---	---	---	---	0	0	0	237	0
WTR YR 2016	TOTAL	120	MEAN	0	MAX	1644	MIN	0	AC_FT	237		

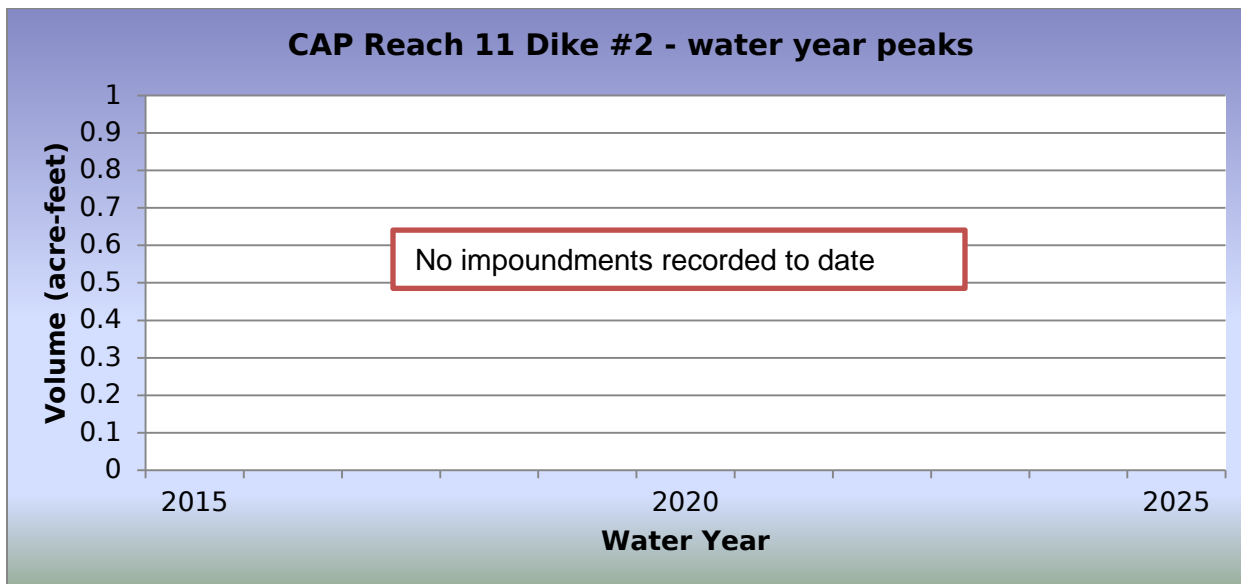
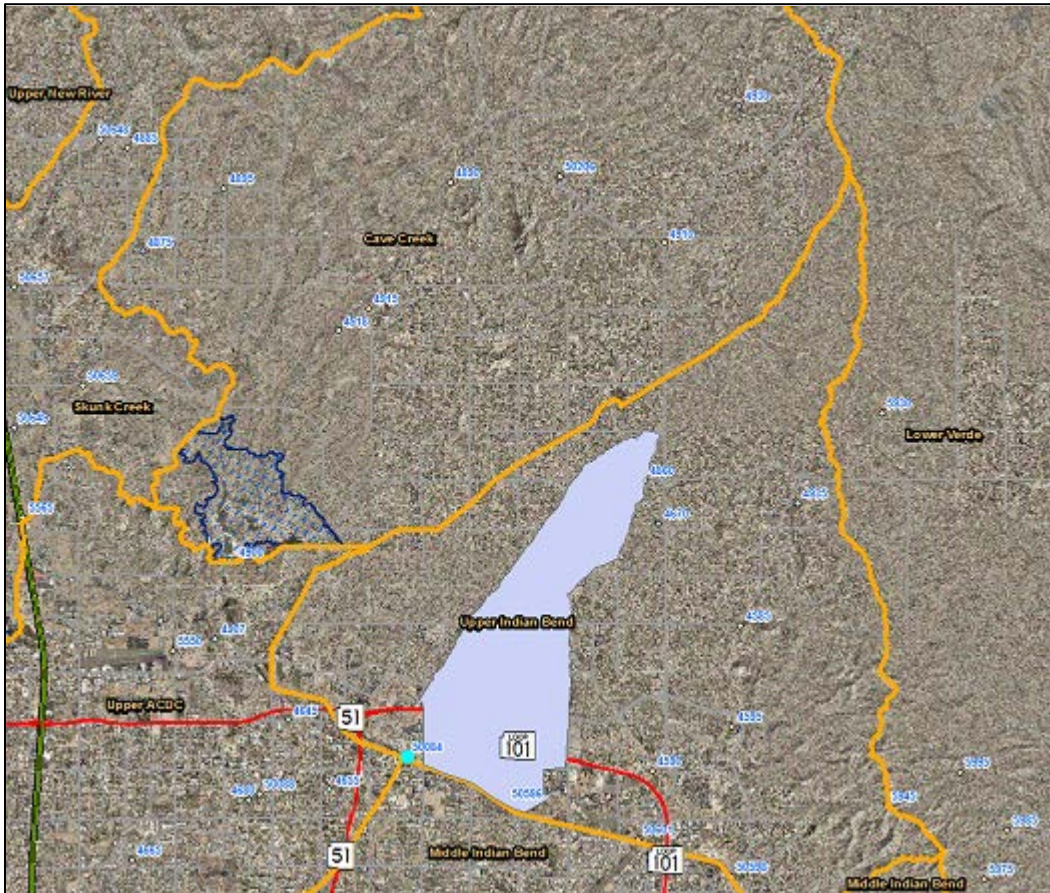
CAP Reach #11, Dike #2, ID #58607



Site Data

LOCATION	Near the 60 th 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	07/19/2016 - Current
LENGTH OF AVAILABLE POR DATA	0.20 Years 73 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	29.0 feet Gage Height

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

No impoundments were recorded during Water Year 2016.

CAP Reach 11 Dike #2, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---	---	---	---	---	---
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28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

CAP Reach 11 Dike #2, volume data

Volume, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	MEAN	---	MAX	---	MIN	---						

CAP Reach 11 Dike #2, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	0.0	0.0
2	---	---	---	---	---	---	---	---	---	---	0.0	0.0
3	---	---	---	---	---	---	---	---	---	---	0.0	0.0
4	---	---	---	---	---	---	---	---	---	---	0.0	0.0
5	---	---	---	---	---	---	---	---	---	---	0.0	0.0
6	---	---	---	---	---	---	---	---	---	---	0.0	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	0.0
8	---	---	---	---	---	---	---	---	---	---	0.0	0.0
9	---	---	---	---	---	---	---	---	---	---	0.0	0.0
10	---	---	---	---	---	---	---	---	---	---	0.0	0.0
11	---	---	---	---	---	---	---	---	---	---	0.0	0.0
12	---	---	---	---	---	---	---	---	---	---	0.0	0.0
13	---	---	---	---	---	---	---	---	---	---	0.0	0.0
14	---	---	---	---	---	---	---	---	---	---	0.0	0.0
15	---	---	---	---	---	---	---	---	---	---	0.0	0.0
16	---	---	---	---	---	---	---	---	---	---	0.0	0.0
17	---	---	---	---	---	---	---	---	---	---	0.0	0.0
18	---	---	---	---	---	---	---	---	---	---	0.0	0.0
19	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
20	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
21	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
22	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
23	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
24	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
25	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
26	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
27	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
28	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
29	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
30	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
31	---	---	---	---	---	---	---	---	---	0.0	0.0	---
MEAN	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
MAX	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
MIN	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
WTR YR 2016	MEAN	0.00	MAX	0.00	MIN	0.00						

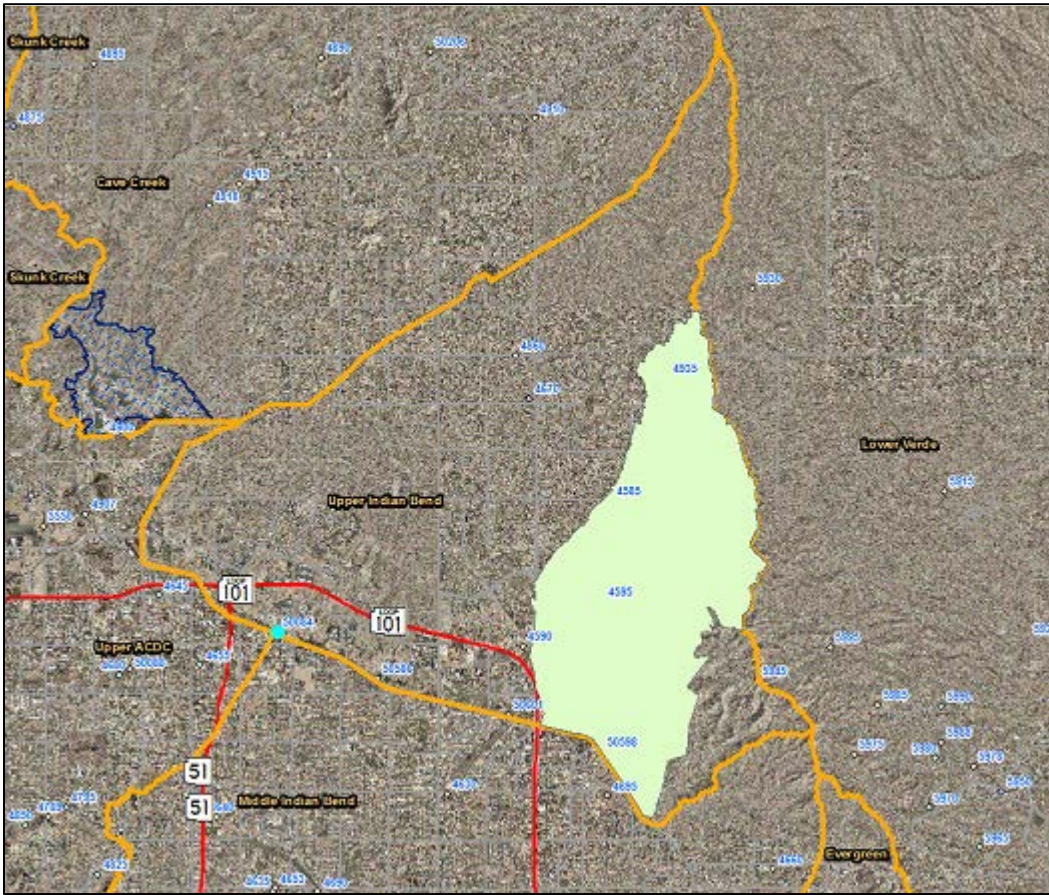
CAP Reach #11, Dike #4, ID #59807



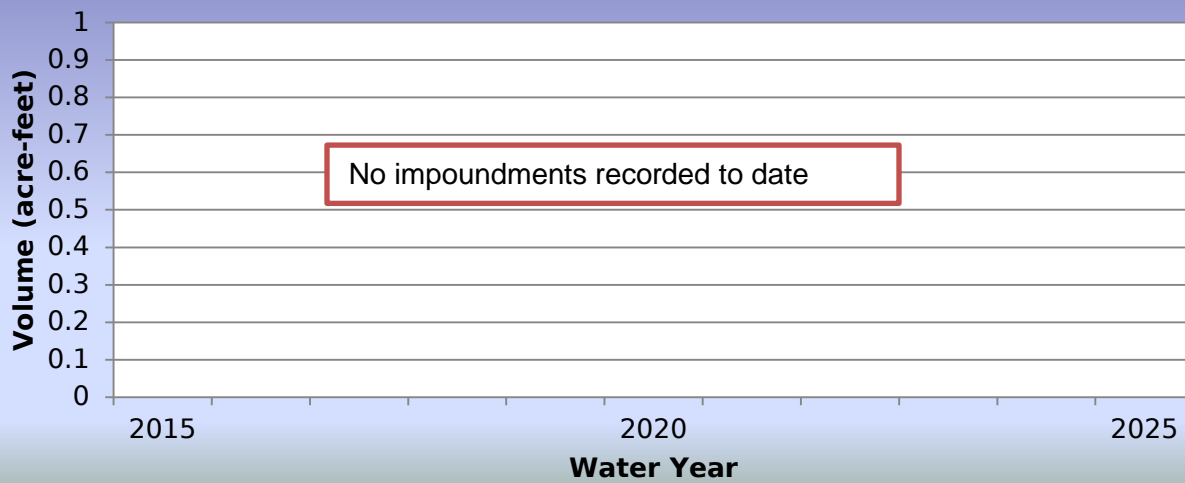
Site Data

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	07/19/2016 - Current
LENGTH OF AVAILABLE POR DATA	0.20 Years 73 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	32.0 feet Gage Height

Watershed Map



CAP Reach 11 Dike #4 - water year peaks



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

No impoundments were recorded during Water Year 2016.

CAP Reach 11 Dike #4, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

CAP Reach 11 Dike #4, volume data

Volume, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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4	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
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17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
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24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	MEAN	---	MAX	---	MIN	---						

CAP Reach 11 Dike #4, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	0.0	0.0
2	---	---	---	---	---	---	---	---	---	---	0.0	0.0
3	---	---	---	---	---	---	---	---	---	---	0.0	0.0
4	---	---	---	---	---	---	---	---	---	---	0.0	0.0
5	---	---	---	---	---	---	---	---	---	---	0.0	0.0
6	---	---	---	---	---	---	---	---	---	---	0.0	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	0.0
8	---	---	---	---	---	---	---	---	---	---	0.0	0.0
9	---	---	---	---	---	---	---	---	---	---	0.0	0.0
10	---	---	---	---	---	---	---	---	---	---	0.0	0.0
11	---	---	---	---	---	---	---	---	---	---	0.0	0.0
12	---	---	---	---	---	---	---	---	---	---	0.0	0.0
13	---	---	---	---	---	---	---	---	---	---	0.0	0.0
14	---	---	---	---	---	---	---	---	---	---	0.0	0.0
15	---	---	---	---	---	---	---	---	---	---	0.0	0.0
16	---	---	---	---	---	---	---	---	---	---	0.0	0.0
17	---	---	---	---	---	---	---	---	---	---	0.0	0.0
18	---	---	---	---	---	---	---	---	---	---	0.0	0.0
19	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
20	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
21	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
22	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
23	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
24	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
25	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
26	---	---	---	---	---	---	---	---	---	0.0	---	0.0
27	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
28	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
29	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
30	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
31	---	---	---	---	---	---	---	---	---	0.0	0.0	---
MEAN	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
MAX	---	---	---	---	---	---	---	---	---	0.0	0.1	0.0
MIN	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
WTR YR 2016	MEAN	0.00	MAX	0.05	MIN	0.00						

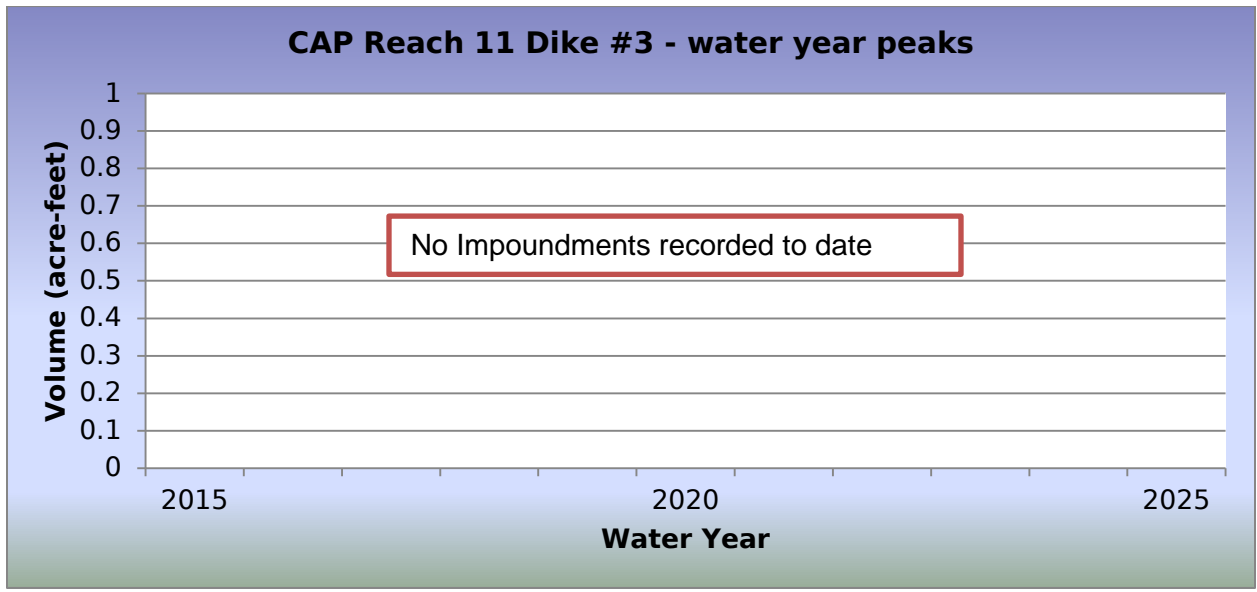
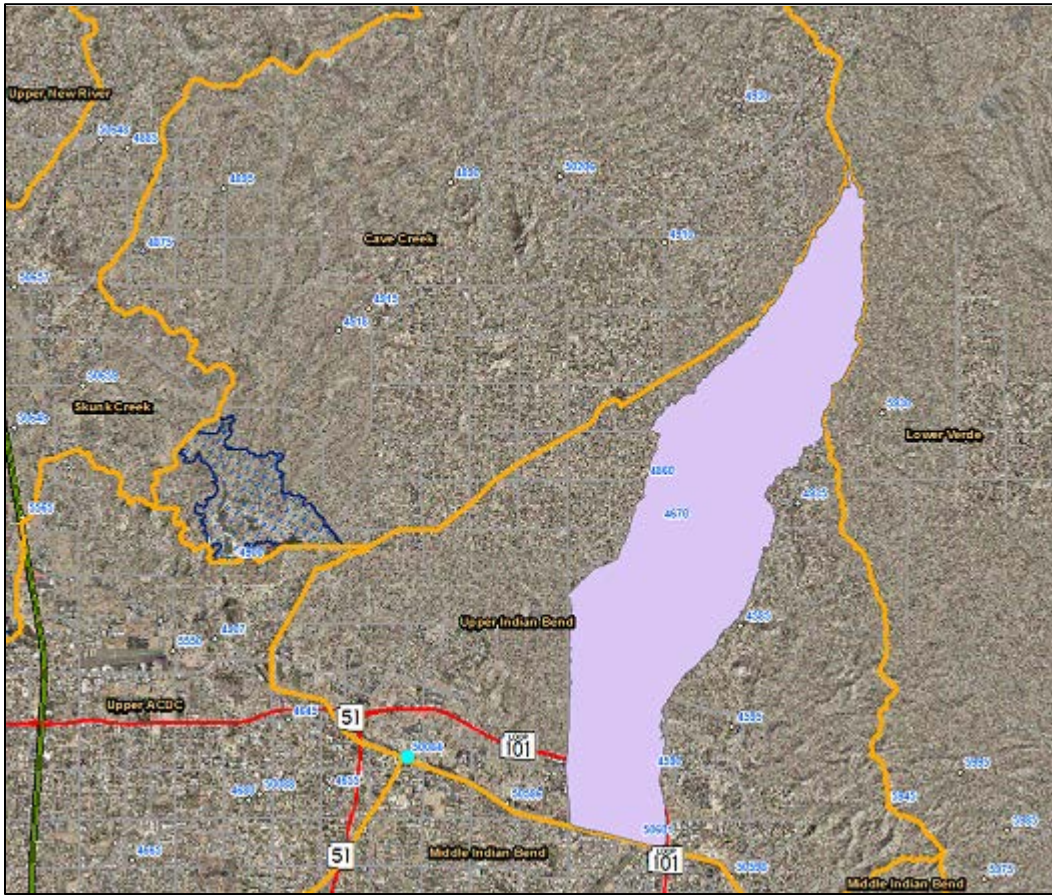
CAP Reach #11, Dike #3, ID #60107



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	07/19/2016 - Current
LENGTH OF AVAILABLE POR DATA	0.20 Years 73 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	29.0 feet Gage Height

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

No impoundments were recorded during Water Year 2016.

CAP Reach 11 Dike #3, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

CAP Reach 11 Dike #3, volume data

Volume, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	MEAN	---	MAX	---	MIN	---	---	---	---	---	---	---

CAP Reach 11 Dike #3, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	0.0	0.0
2	---	---	---	---	---	---	---	---	---	---	0.0	0.0
3	---	---	---	---	---	---	---	---	---	---	0.0	0.0
4	---	---	---	---	---	---	---	---	---	---	0.0	0.0
5	---	---	---	---	---	---	---	---	---	---	0.0	0.0
6	---	---	---	---	---	---	---	---	---	---	0.0	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	0.0
8	---	---	---	---	---	---	---	---	---	---	0.0	0.0
9	---	---	---	---	---	---	---	---	---	---	0.0	0.0
10	---	---	---	---	---	---	---	---	---	---	0.0	0.0
11	---	---	---	---	---	---	---	---	---	---	0.0	0.0
12	---	---	---	---	---	---	---	---	---	---	0.0	0.0
13	---	---	---	---	---	---	---	---	---	---	0.0	0.0
14	---	---	---	---	---	---	---	---	---	---	0.0	0.0
15	---	---	---	---	---	---	---	---	---	---	0.0	0.0
16	---	---	---	---	---	---	---	---	---	---	0.0	0.0
17	---	---	---	---	---	---	---	---	---	---	0.0	0.0
18	---	---	---	---	---	---	---	---	---	---	0.0	0.0
19	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
20	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
21	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
22	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
23	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
24	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
25	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
26	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
27	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
28	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
29	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
30	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
31	---	---	---	---	---	---	---	---	---	0.0	0.0	---
MEAN	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
MAX	---	---	---	---	---	---	---	---	---	0.0	0.1	0.0
MIN	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0
WTR YR 2016	MEAN	0.00	MAX	0.10	MIN	0.00						

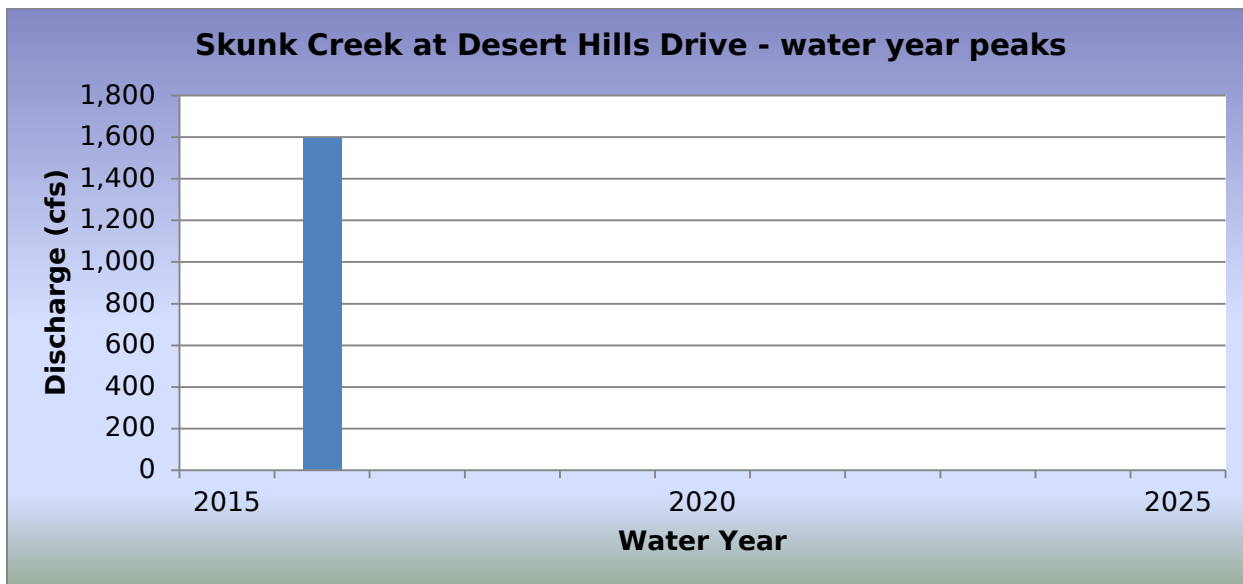
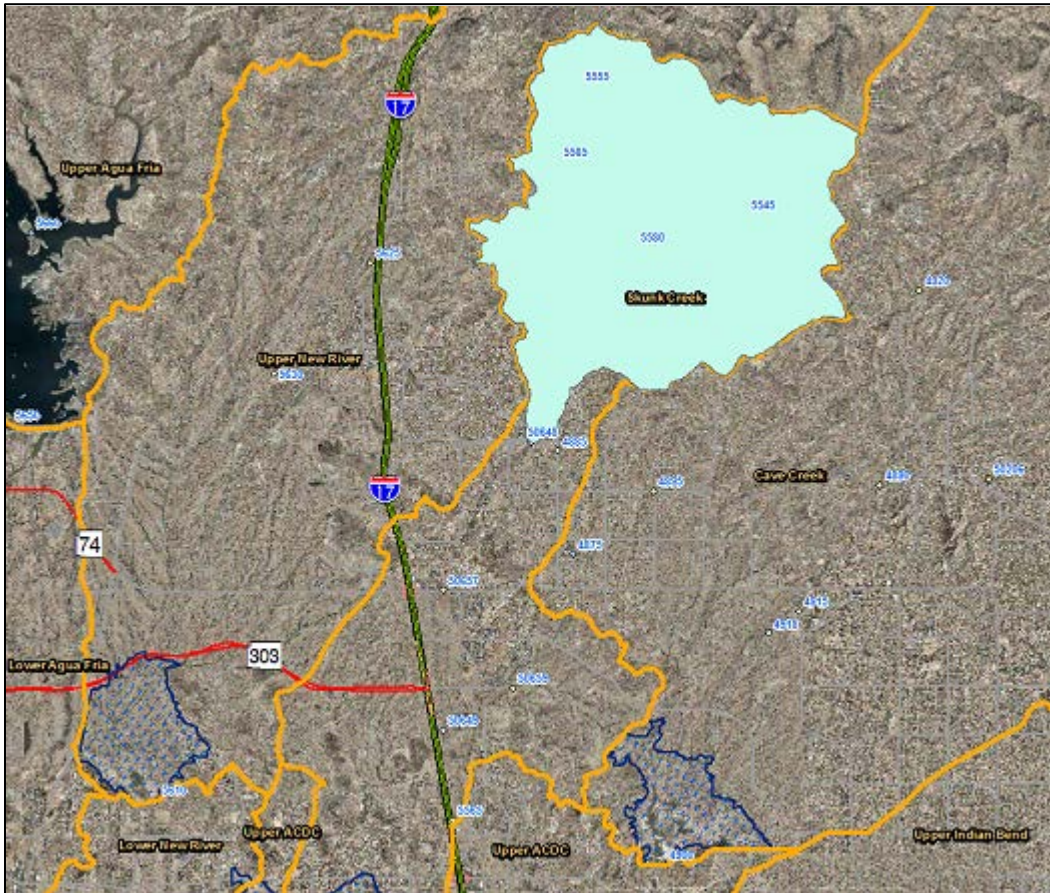
Skunk Creek at Desert Hills Drive, ID #64807



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	07/23/2015 - Current
LENGTH OF AVAILABLE POR DATA	1.19 Years 436 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.02 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.0 feet Gage Height
EXTREME FOR PERIOD OF RECORD	None Recorded

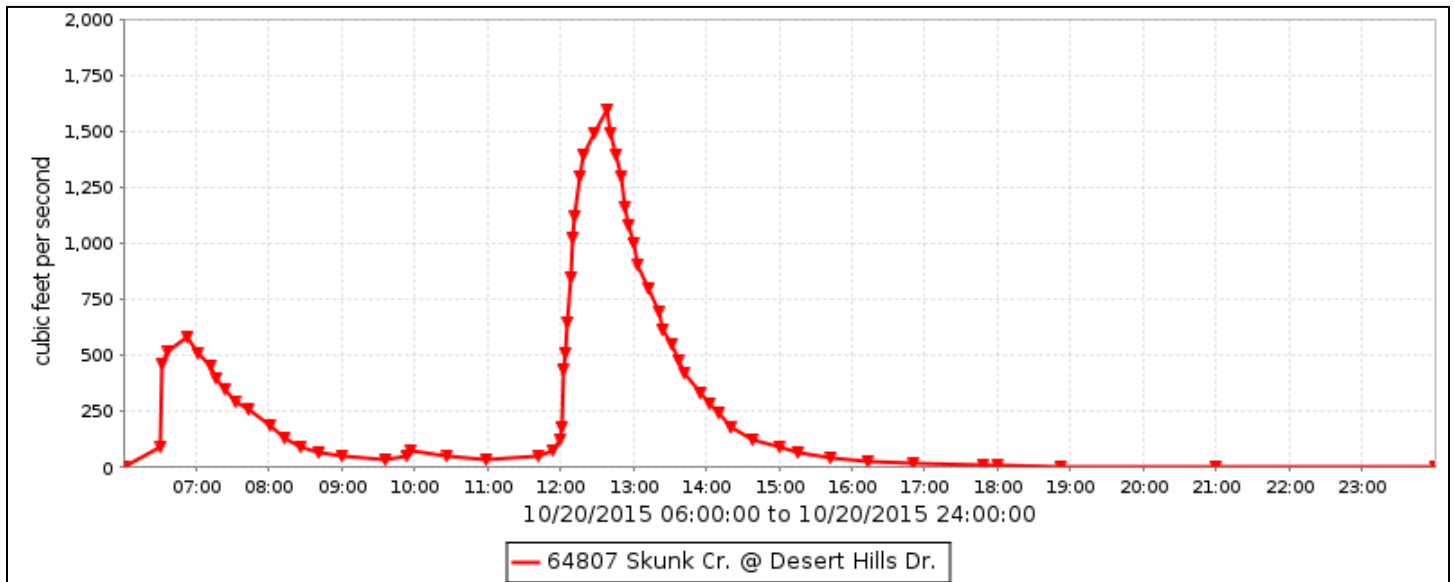
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/20/2015	3.88	1,593
10/21/2015	2.54	505
01/06/2015	1.91	184
01/07/2016	1.76	108

Hydrograph of peak WY 2016 flow event, 10/20/2015



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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6	1			14								
7				7								
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20	124											
21	18											
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	143	0	0	21	0	0	0	0	0	0	0	0
MEAN	5	0	0	1	0	0	0	0	0	0	0	0
MAX	1593	0	0	184	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	284	0	0	43	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL	165	MEAN	0	MAX	1593	MIN	0	AC_FT	327		

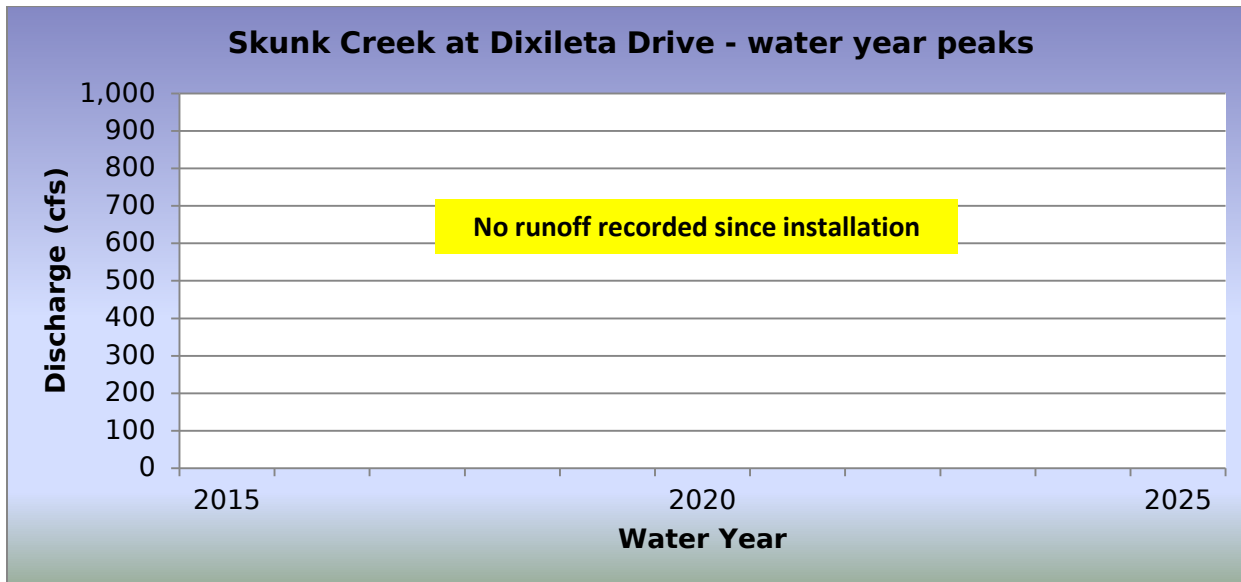
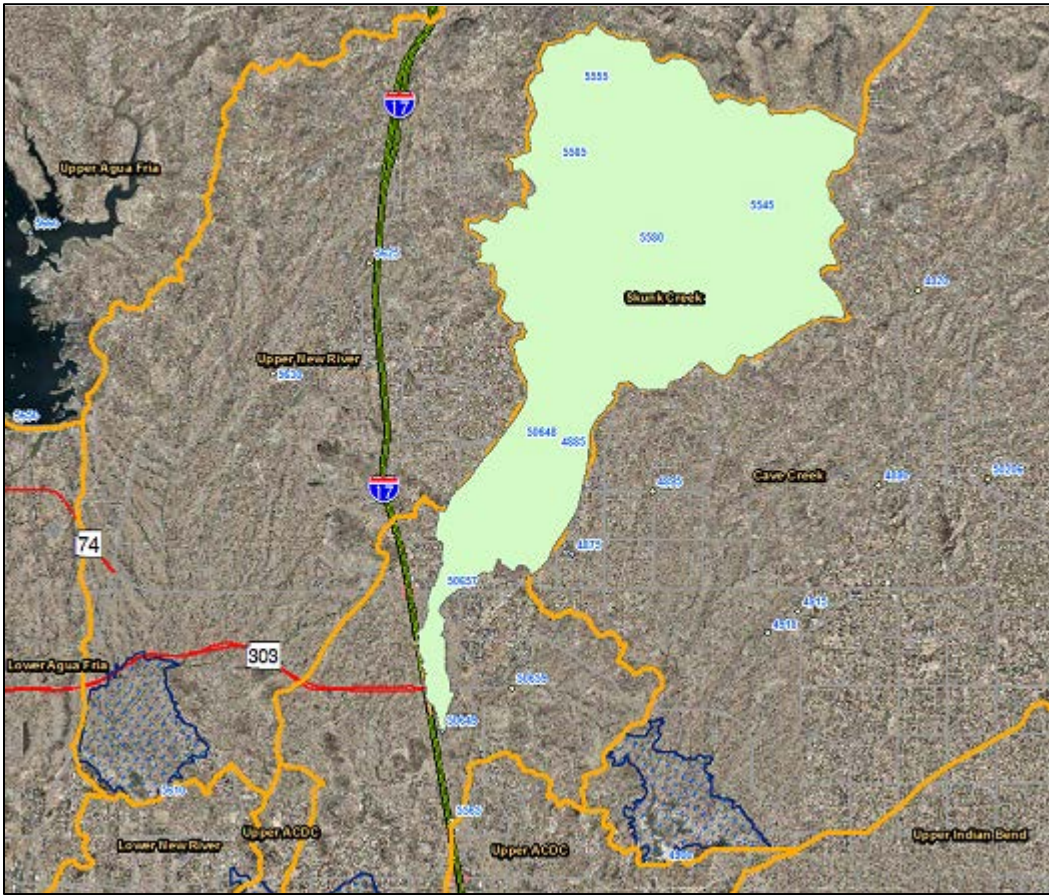
Skunk Creek at Dixileta Drive, ID #64907



Site Data

LOCATION	Located on Dixileta Drive about 1/4 mile east of I-17
DRAINAGE AREA	50 mi ²
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	01/11/2016 - Current
LENGTH OF AVAILABLE POR DATA	0.72 Years 264 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.20 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	1.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	None Recorded

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 flow event

There were no runoff events recorded in Water Year 2016.

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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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
MEAN	---	---	---	0	0	0	0	0	0	0	0	0
MAX	---	---	---	0	0	0	0	0	0	0	0	0
MIN	---	---	---	0	0	0	0	0	0	0	0	0
AC_FT	---	---	---	0	0	0	0	0	0	0	0	0
WTR YR 2016	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC_FT	0	

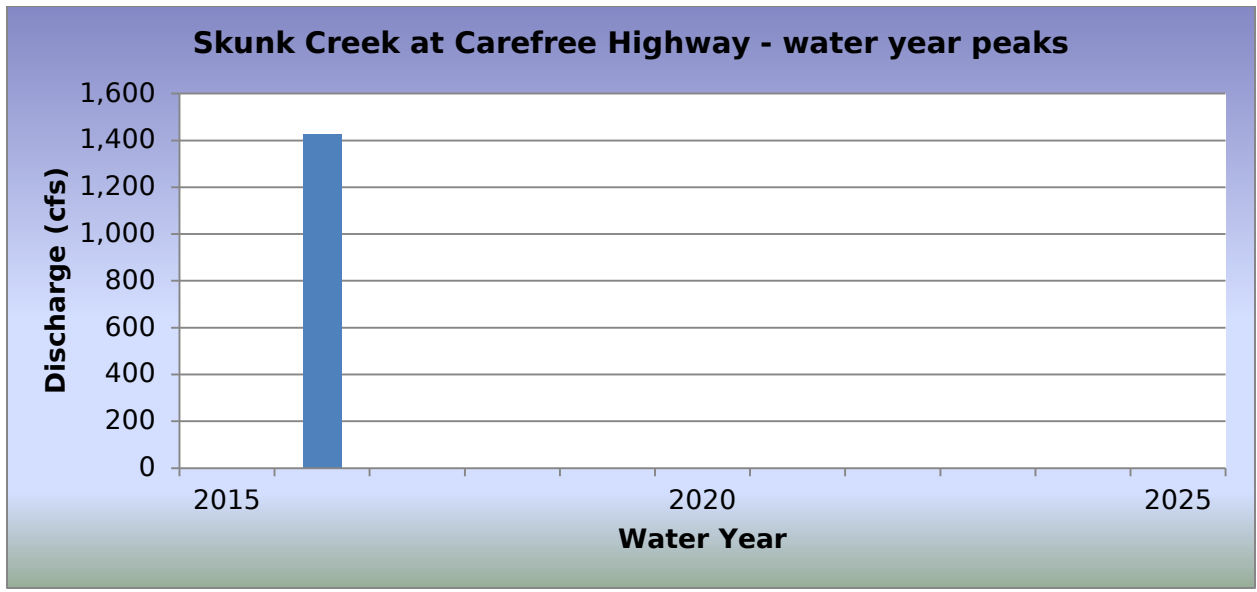
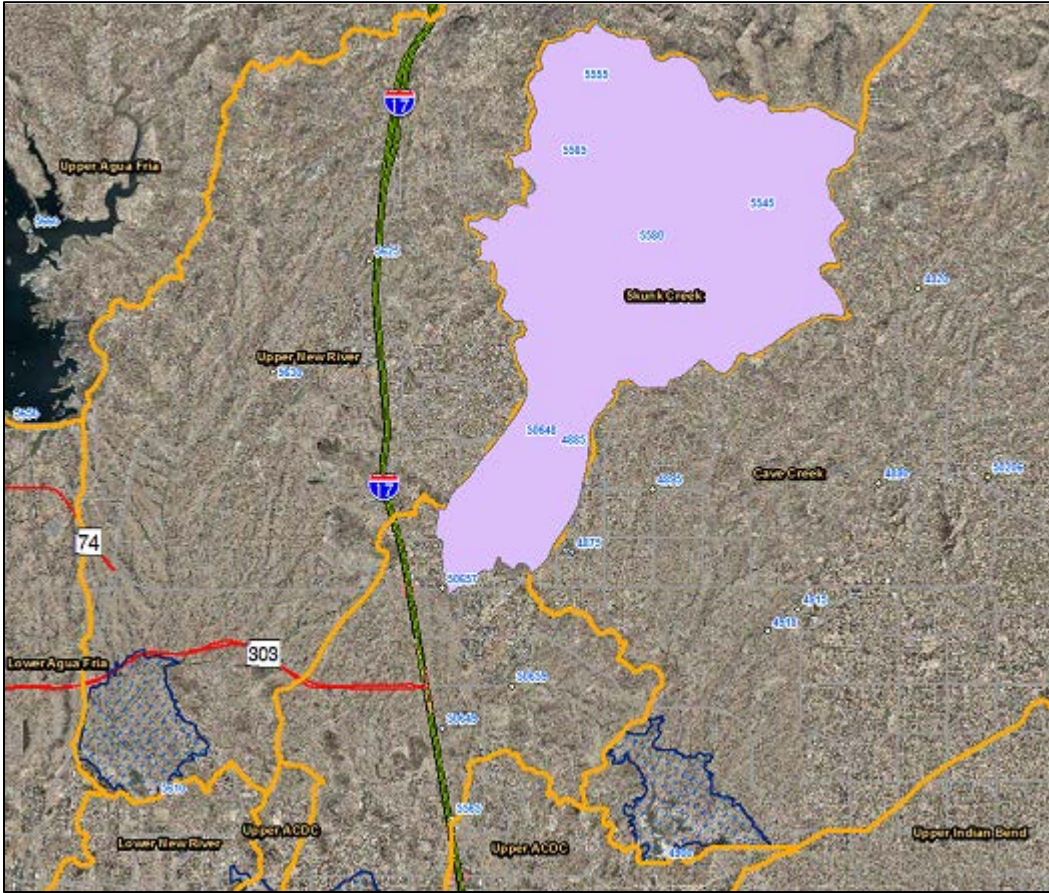
Skunk Creek at Carefree Highway, ID #65707



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	08/19/2015 - Current
LENGTH OF AVAILABLE POR DATA	1.12 Years 409 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	1.49 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	1
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	None Recorded

Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
10/06/2015	2.61	559
10/20/2015	3.50	1,428
01/06/2016	3.23	1,105
01/07/2016	3.06	930
08/02/2016	3.49	1,415
08/03/2016	2.67	602
08/05/2016	2.54	513

Hydrograph of peak WY 2016 flow event

The peak runoff event was missed due to sensor malfunction.

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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2											181	
3			---							---	136	
4			---							---	22	
5			---							---	139	
6	100		---	383						---		
7				368								
8				90								
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21	---											
22												
23												
24												
25												
26												
27												
28												
29												
30						---						
31		---				---		---		---		---
TOTAL	100	0	0	840	0	0	0	0	0	0	478	0
MEAN	3	0	0	27	0	0	0	0	0	0	15	0
MAX	559	0	0	1105	0	0	0	0	0	0	1415	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	198	0	0	1667	0	0	0	0	0	0	947	0
WTR YR 2016	TOTAL	1418	MEAN	4	MAX	1415	MIN	0	AC_FT	2812		

NOTE: Gage failed to record the event of October 20, 2015, which was the largest of the water year.

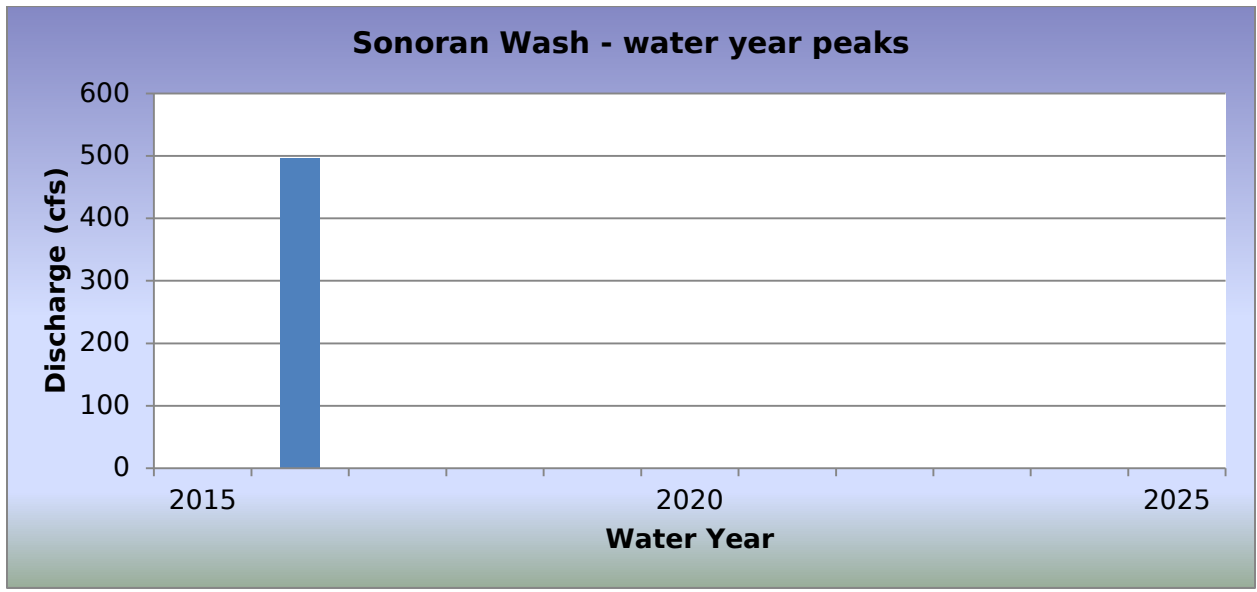
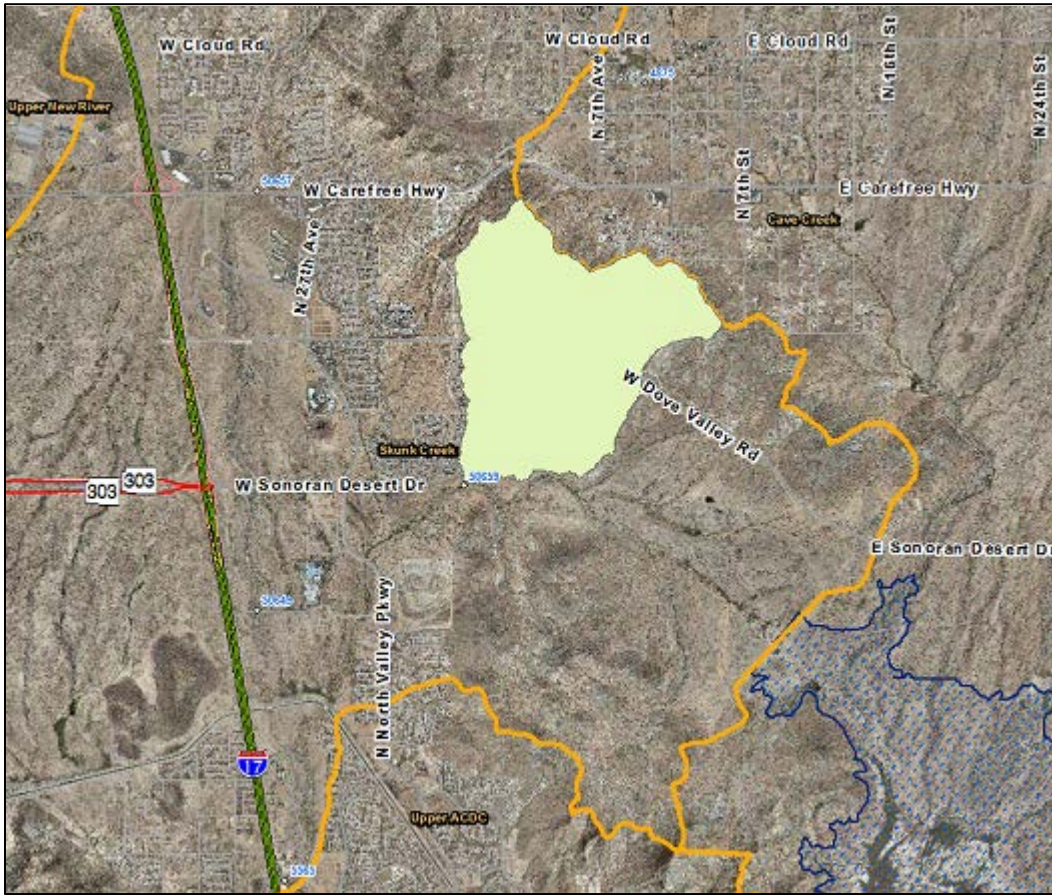
Sonoran Wash, ID #65907



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	10/13/2015 - Current
LENGTH OF AVAILABLE POR DATA	0.97 Years 354 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.53 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.3 feet Gage Height
EXTREME FOR PERIOD OF RECORD	No Events Recorded to Date

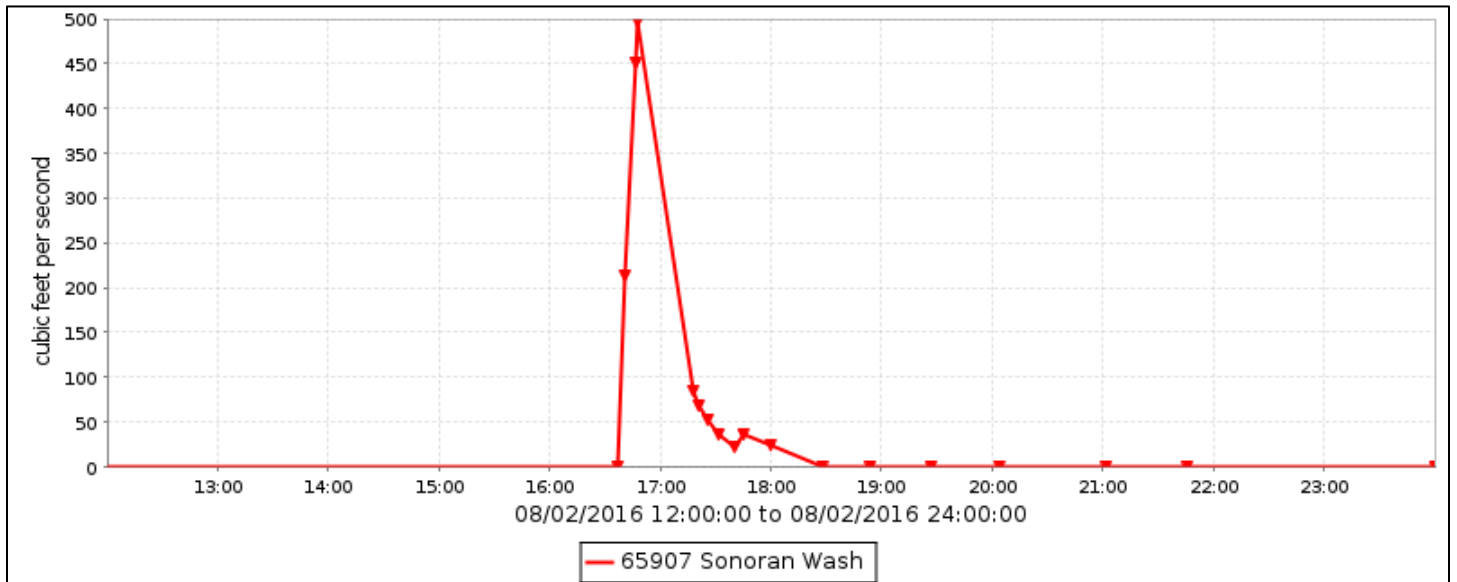
Watershed Map



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
08/02/2016	2.82	496

Hydrograph of peak WY 2016 flow event, 08/02/2016



Flood Flow Frequency

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

Sonoran Wash, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---					16						
2	---					16					13	
3	---					16						
4	---					16						
5	---					16						
6	---					16						
7	---					16						
8	---					16						
9	---					16						
10	---					8						
11	---											
12	---											
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28					12							
29					16							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	28	152	0	0	0	0	13	0
MEAN	0	0	0	0	1	5	0	0	0	0	0	0
MAX	0	0	0	0	16	16	0	0	0	0	496	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	56	301	0	0	0	0	26	0
WTR YR 2016	TOTAL	193	MEAN	1	MAX	496	MIN	0	AC_FT	383		

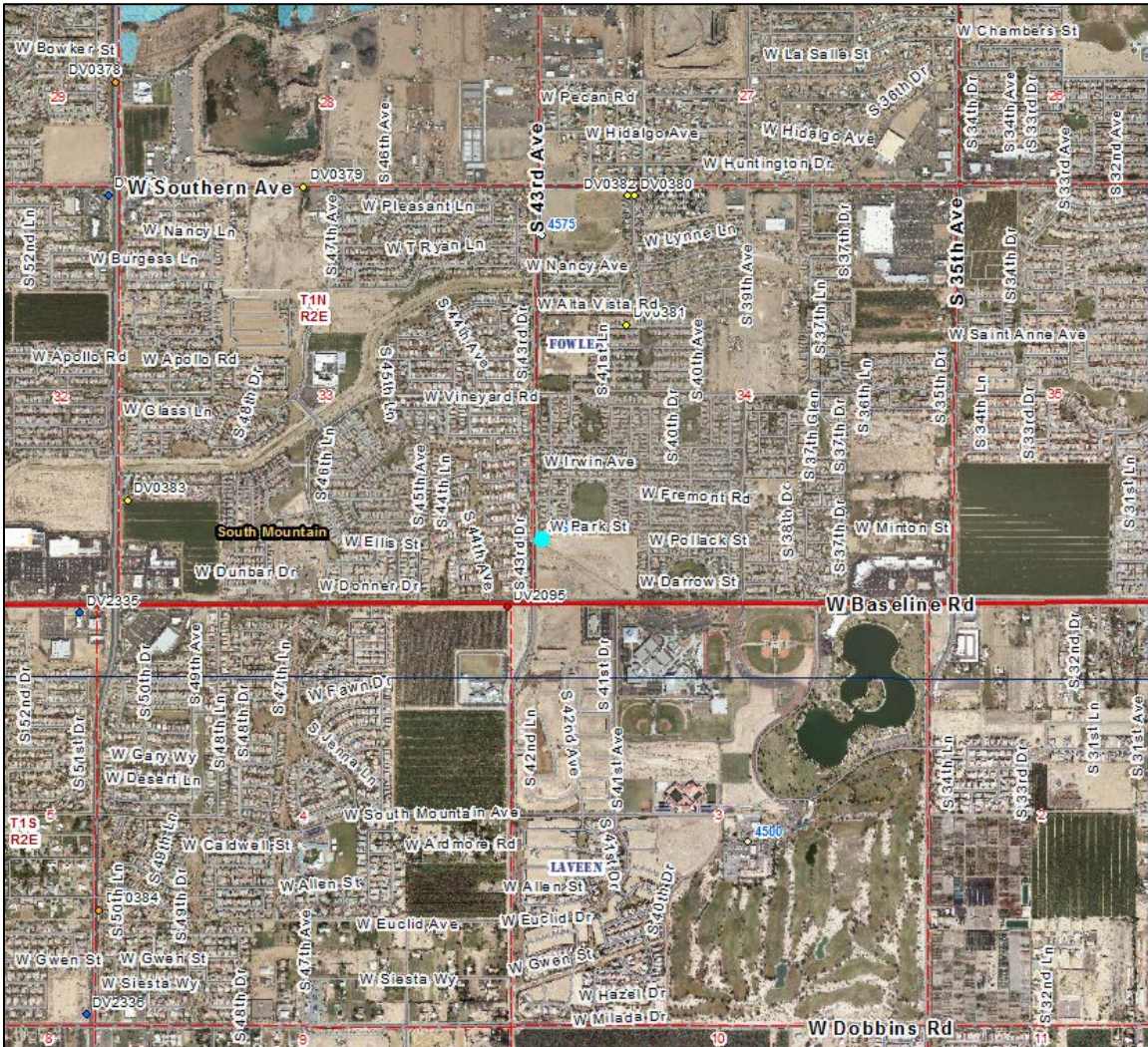
Baseline Road at 43rd Avenue Basin, ID #66407



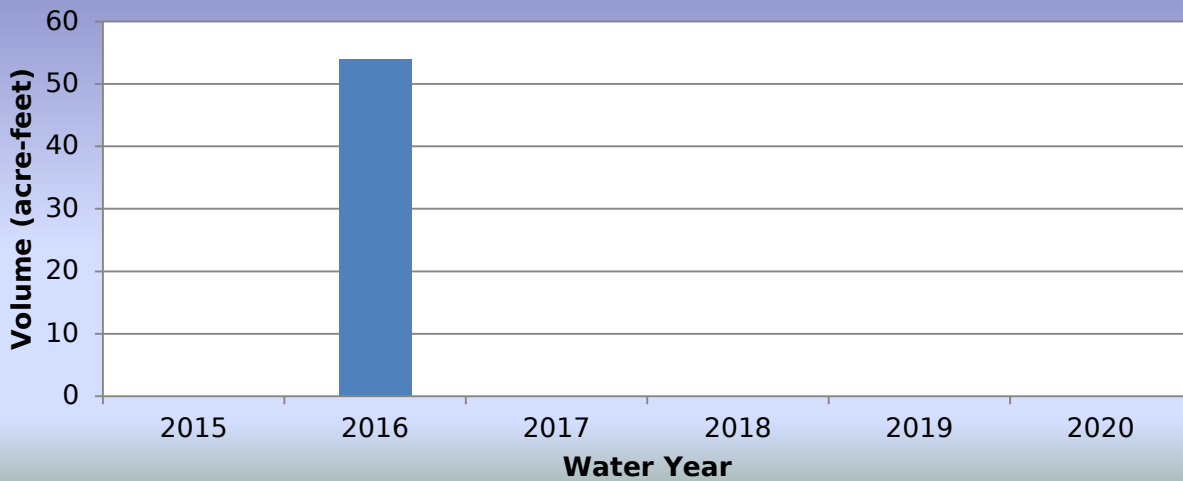
Site Data

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	10/01/2015 - Current
LENGTH OF AVAILABLE POR DATA	1.00 Years 366 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	1,023.670 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



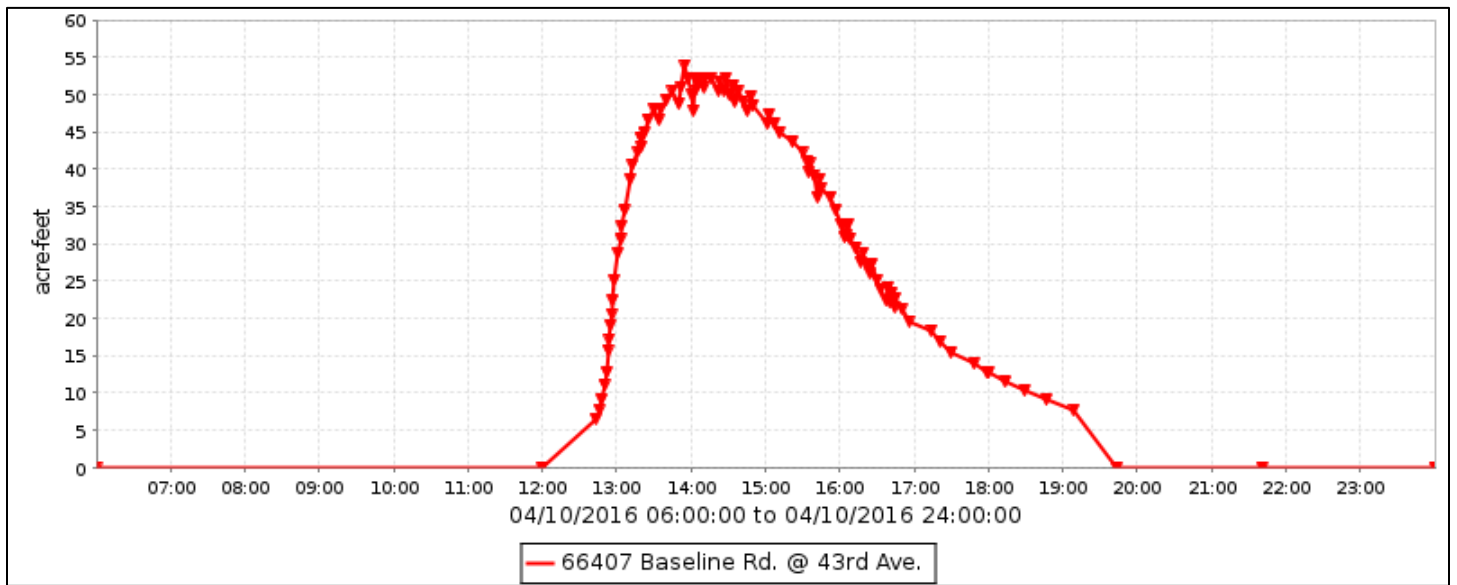
Baseline Road at 43rd Avenue Basin - water year peaks



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
01/06/2016	1.26	15.4	12.0
01/07/2016	2.08	25.4	19.8
04/10/2016	4.43	53.9	42.2
07/29/2016	1.88	22.9	17.9
08/05/2016	1.59	19.4	15.1
08/20/2016	1.06	12.9	10.1

Hydrograph of peak WY 2016 impoundment event



Baseline Road at 43rd Avenue Basin, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR 2016	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC_FT	---		

Baseline Road at 43rd Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5											2	
6				6								
7				9								
8				1								
9												
10	---						8					
11												
12												
13												
14												
15												
16												
17												
18												
19	---											
20											2	
21												
22												
23												
24	---											
25	---											
26	---											
27												
28												
29										2		
30					---							
31		---			---		---		---			---
MEAN	0	0	0	1	0	0	0	0	0	0	0	0
MAX	0	0	0	25	0	0	54	0	0	23	19	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	54	MIN	0					

Baseline Road at 43rd Avenue Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	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	0.3	0.2
6	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.3	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	0.8	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
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	0.2	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
25	---	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
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	0.3	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	2.1	0.2	0.2	4.4	0.2	0.2	1.9	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 2016	MEAN	0.21	MAX	4.43	MIN	0.20						

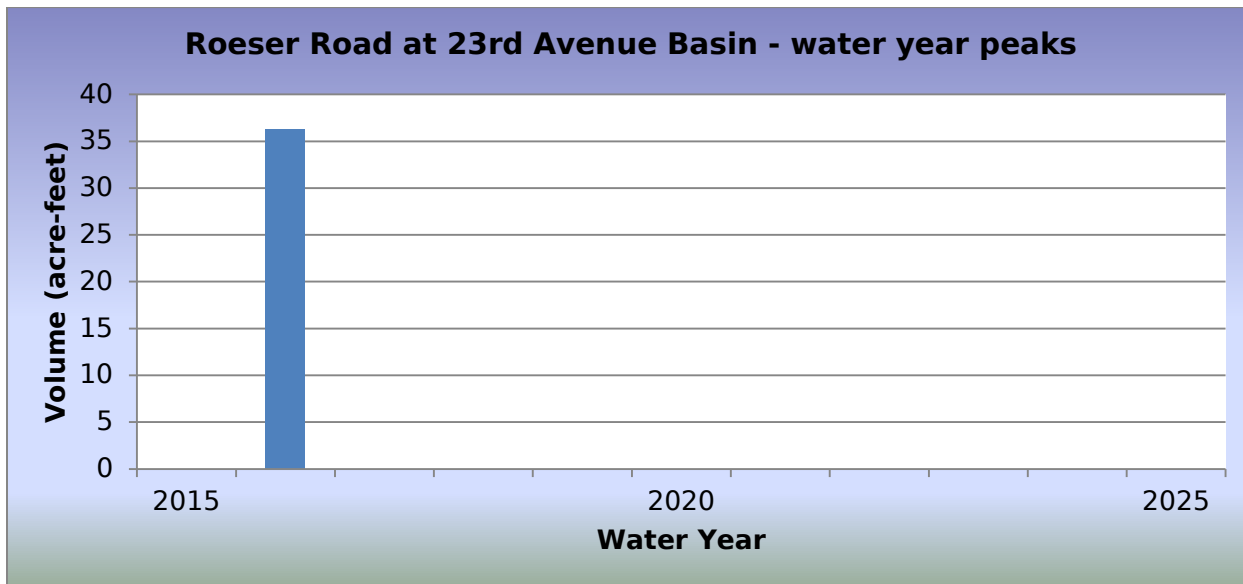
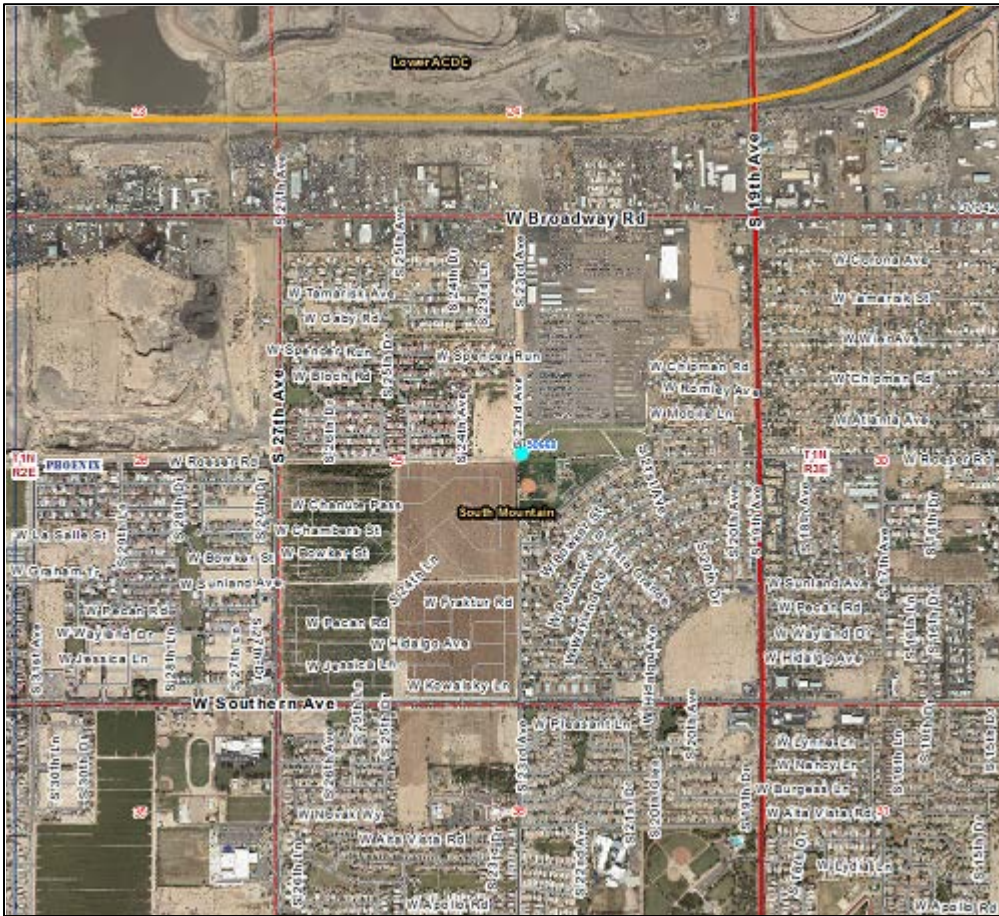
Roeser Road at 23rd Avenue Basin, ID #66807



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	10/01/2015 - Current
LENGTH OF AVAILABLE POR DATA	1.00 Years 366 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.20 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	10.5 feet Gage Height

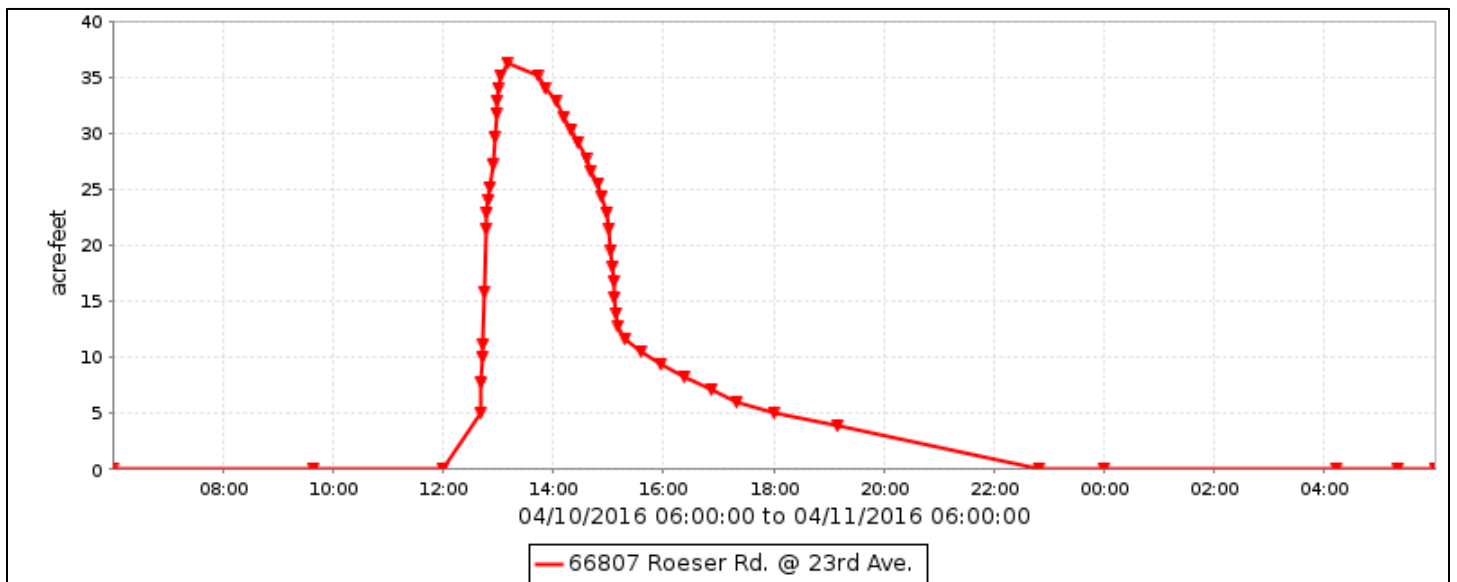
Watershed Map



2016 Events

Date of Peak	Peak Gage Height (feet)	Peak Volume (ac-ft)	Percent Spillway Capacity
10/06/2015	1.72	19.5	14.3
10/16/2015	1.72	19.5	14.3
10/18/2015	2.79	31.7	23.2
10/20/2015	1.94	22.0	15.1
10/21/2015	2.26	25.7	18.8
11/15/2015	1.14	13.0	9.5
01/04/2016	1.74	19.7	14.5
01/05/2016	1.34	15.2	11.2
01/06/2016	1.59	18.0	13.2
01/07/2016	1.87	21.2	15.5
01/31/2016	1.96	22.2	16.3
04/10/2016	3.19	36.3	26.6
07/29/2016	2.16	24.5	17.9
08/05/2016	1.64	18.6	13.6
08/09/2016	1.62	18.4	13.5
08/10/2016	1.07	12.2	9.0
08/20/2016	1.72	19.5	14.3

Hydrograph of peak WY 2016 impoundment event, 04/10/2016



Roeser Road at 23rd Avenue Basin, runoff data

Discharge, in fee, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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	---	---	---	---	---	---	---
MEAN	---	---	---	0	0	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC_FT	---	---	---	0	0	---	---	---	---	---	---	---
WTR YR 2016	TOTAL		0	MEAN	0	MAX	---	MIN	---	AC_FT		0

Roeser Road at 23rd Avenue Basin, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					3							
2												
3												
4				3								
5				5						1		
6	5			7								
7	2			7								
8				4								
9				4						4		
10				2			5			1		
11										1		
12												
13												
14												
15		3										
16	3											
17												
18	4											
19	2											
20	4									2		
21	4											
22												4
23												2
24												
25												
26												
27												
28												
29										2		
30					---							
31		---		1	---		---		---			---
MEAN	1	0	0	1	0	0	0	0	0	0	0	0
MAX	32	13	0	22	17	0	36	0	0	25	20	17
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 2016	MEAN		0	MAX	36	MIN	0					

Roeser Road at 23rd Avenue Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.3	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	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
6	0.5	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2
10	0.2	0.2	0.2	0.3	0.2	0.2	0.6	0.2	0.2	0.2	0.3	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	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.4	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	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
21	0.5	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	0.4
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	0.3	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	0.3	---	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	0.2	0.2	0.2
MAX	2.8	1.1	0.2	2.0	1.5	0.2	3.2	0.2	0.2	2.2	1.7	1.5
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 2016	MEAN	0.21	MAX	3.19	MIN	0.20						

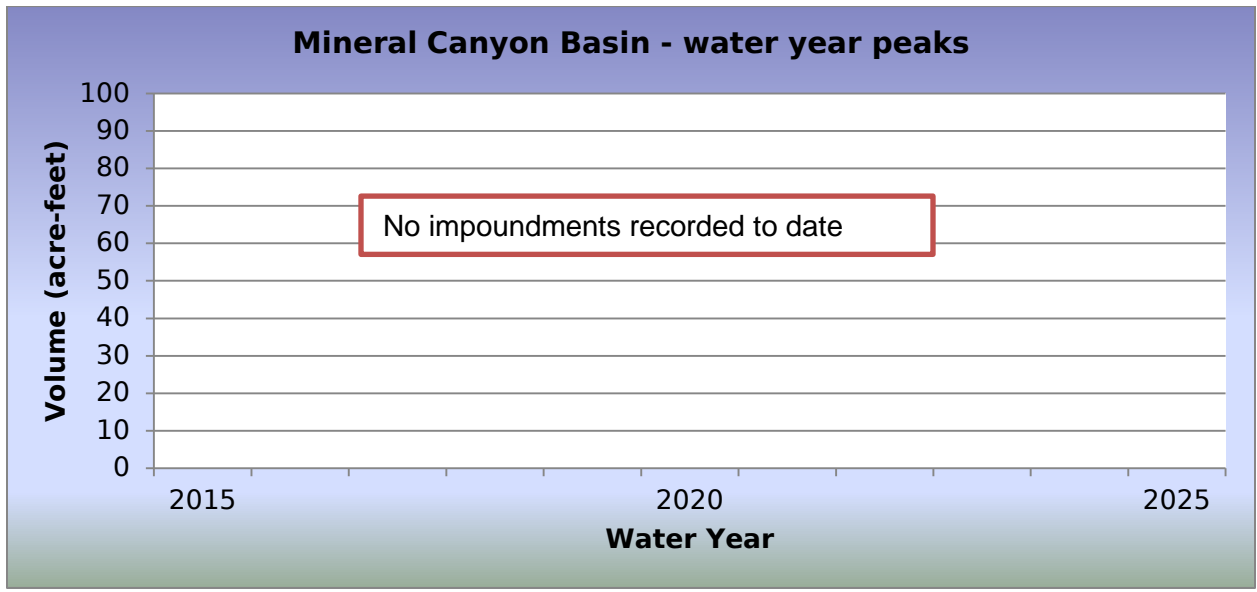
Mineral Canyon Basin, ID #68807



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 T15 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
PERIOD OF AVAILABLE DATA RECORD	09/10/2015 - Current
LENGTH OF AVAILABLE POR RECORD	1.06 Years 387 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	2.00 feet Gage Height
STAFF GAGES	0
ZERO GAGE HEIGHT ELEVATION	0.00 feet Gage Height
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY CREST ELEVATION	No spillway
TOP OF BASIN ELEVATION	28.5 feet Gage Height

Watershed Map



2016 Events

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

Hydrograph of peak WY 2016 impoundment event

No impoundments were recorded during Water Year 2016.

Mineral Canyon Basin, runoff data

Discharge, in cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values													
	OCT	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 2016	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC_FT	0

Mineral Canyon Basin, volume data

Volume, in acre-feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	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 2016	MEAN	0	MAX	0	MIN	0						

Mineral Canyon Basin, stage data

Depth, in feet, Water Year October 2015 to September 2016

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
11	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
12	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
13	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
14	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
15	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
16	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
17	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
18	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
19	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
20	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
21	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
22	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
23	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
24	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
25	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
26	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
27	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
28	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
29	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
30	2.0	2.0	2.0	2.0	---	2.0	2.0	2.0	2.0	2.0	2.0	2.0
31	2.0	---	2.0	2.0	---	2.0	---	2.0	---	2.0	2.0	---
MEAN	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MAX	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MIN	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
WTR YR 2016	MEAN	2.00	MAX	2.00	MIN	2.00						

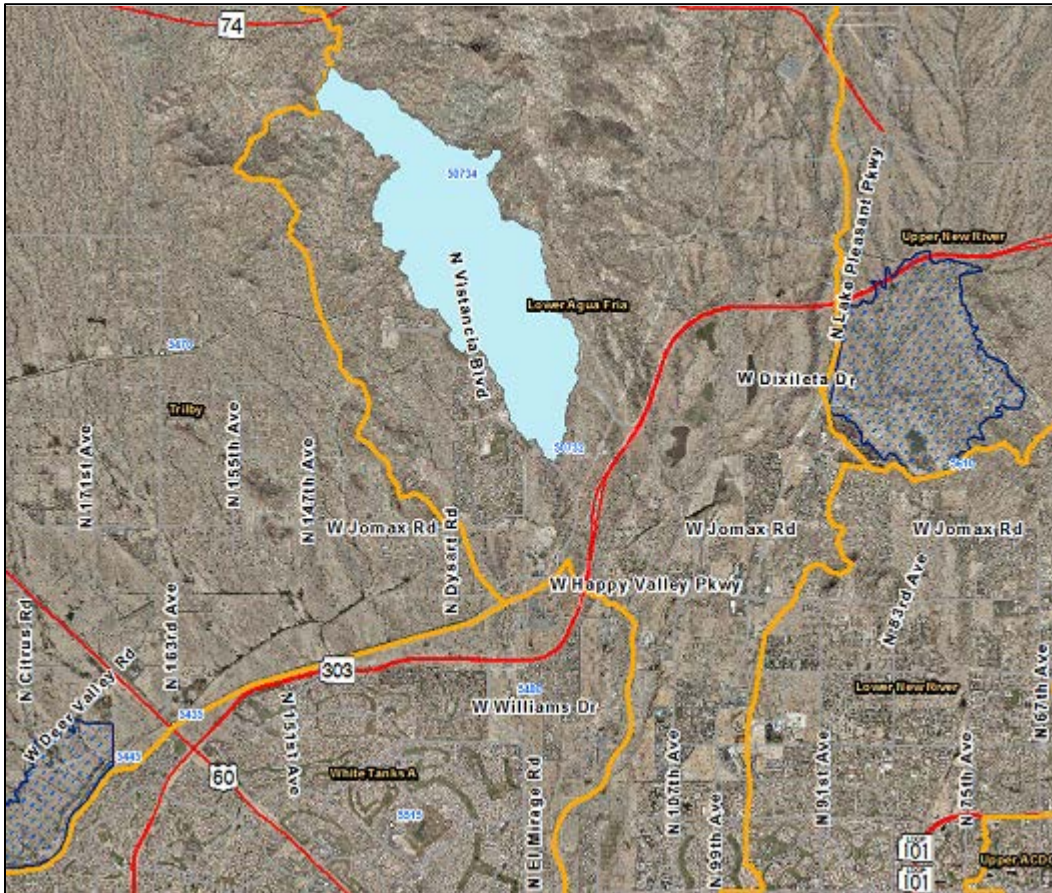
Twin Buttes Wash, ID #73207



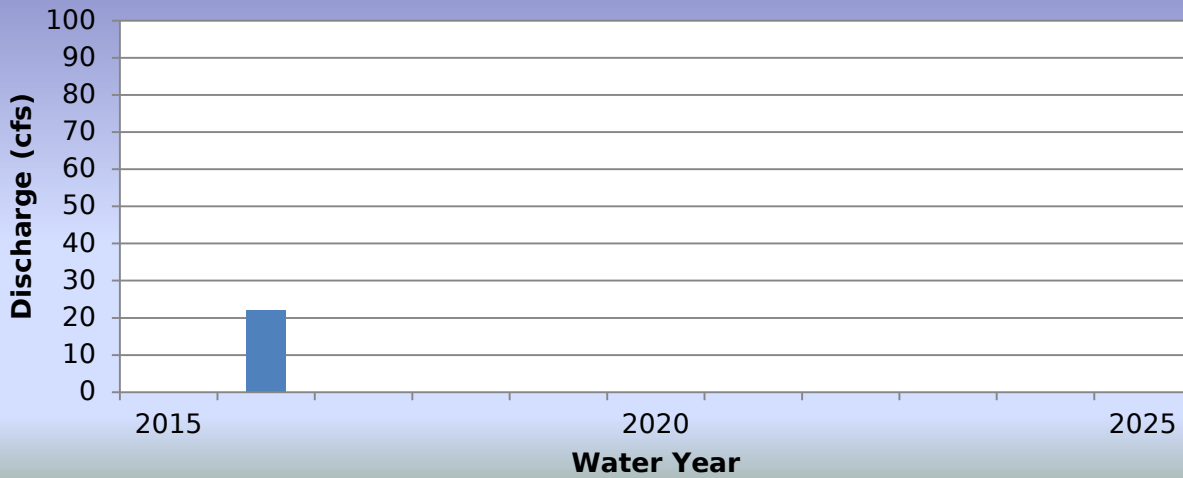
Site Data

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	12/09/2015 - Current
LENGTH OF AVAILABLE POR DATA	0.81 Years 297 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE ELEVATION	0.75 feet Gage Height
STAFF GAGES	None
CREST STAGE GAGES	None
ZERO GAGE HEIGHT ELEVATION	1,346.359 feet NAVD88
POINT OF ZERO FLOW	0.2 feet Gage Height
EXTREME FOR PERIOD OF RECORD	No Events Recorded

Watershed Map



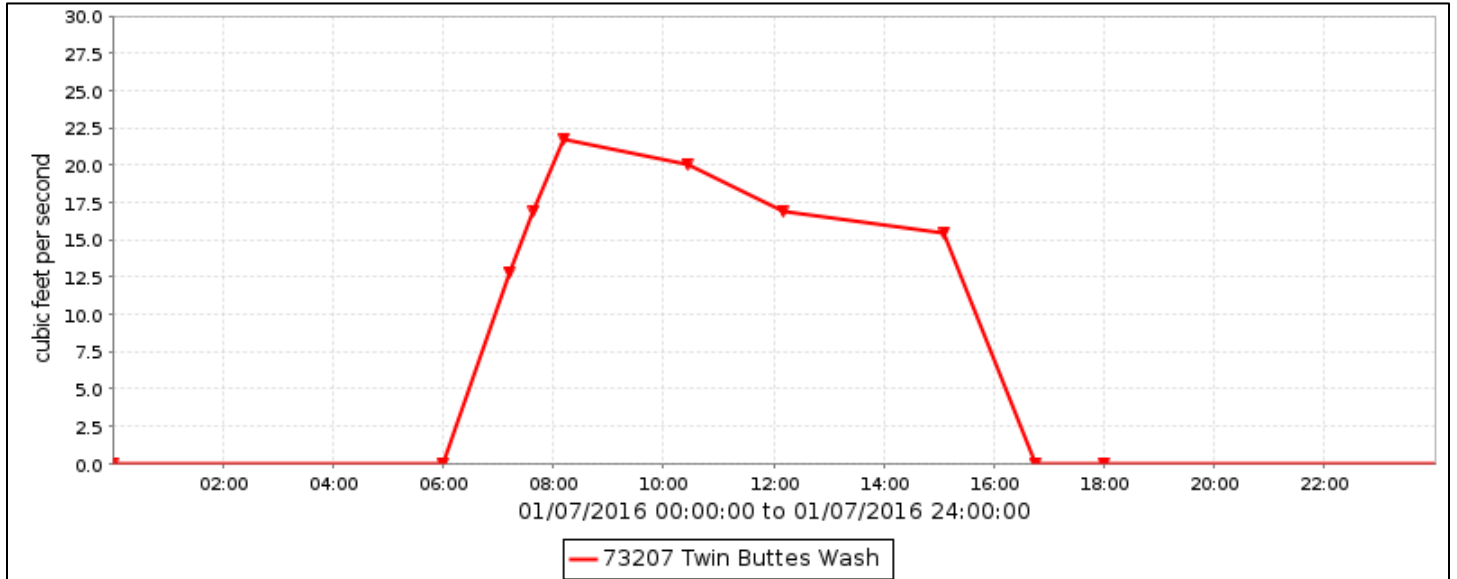
Twin Buttes Wash - water year peaks



2016 Events

Date of Peak	Peak Gage Height	Peak Discharge (cfs)
01/07/2016	0.96	22
03/02/2016	0.88	17

Hydrograph of peak WY 2016 flow event, 01/07/2016



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 cub, Water Year October 2015 to September 2016

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	---	---	---												
2	---		---			6									
3	---	---	---												
4	---		---												
5	---	---	---												
6	---	---	---												
7	---	---	---	7											
8	---	---	---												
9	---	---													
10	---	---													
11	---	---													
12	---	---													
13	---	---													
14	---	---													
15	---	---													
16	---	---													
17	---														
18	---	---													
19	---	---													
20	---	---													
21	---	---													
22	---	---													
23	---	---													
24	---	---													
25	---	---													
26	---	---													
27	---	---													
28	---	---													
29	---	---													
30	---	---					---								
31	---	---					---		---			---			
TOTAL	---	0	0	7	0	6	0	0	0	0	0	0			
MEAN	---	0	0	0	0	0	0	0	0	0	0	0			
MAX	---	0	0	22	0	17	0	0	0	0	0	0			
MIN	---	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	---	0	0	14	0	12	0	0	0	0	0	0			
WTR YR 2016	TOTAL		13	MEAN		7	MAX		22	MIN		0	AC_FT		26

End of Report