FCDMC ALERT SYSTEM
ANNUAL SURFACE WATER REPORT

WATER YEAR 1996

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, and La Paz Counties.

The surface water data contained in this report was collected, compiled and edited by the Flood Warning and Data Collection Branch of the Engineering Division. Data includes 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. Also included starting in this year's report are maximum discharges, pool levels, and storage volumes for flood events of interest at each site. Additionally, a few hydrographs from significant floods are also presented. Furthermore, flood flow frequency tables have been added at sites where information is available either from statistical analysis of gage records or from rainfall-runoff models. These estimates of flood flow frequency do not necessarily correspond to regulatory discharges for the channel reaches near the gage sites. Always refer to official regulatory documents for such discharge information.

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

Revisions to any of these data for any reason will be published in the following years' reports immediately following the data for the current year for the site where the revisions have been made.

Additional copies of this report may be purchased from:

Flood Control District of Maricopa County
2801 W. Durango Street
Phoenix, Arizona 85009
(602) 506-1501

or downloaded from the World Wide Web at **http://www.maricopa.gov/flood/alert/alert.html.**

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INTRODUCTION

The Flood Control District of Maricopa County in cooperation with local, state, and federal agencies collects a large amount of data pertaining to surface water runoff in and around Maricopa County. These data provide a valuable resource for information not otherwise furnished by the traditional sources of this type of material. To make these data readily available to interested parties outside the Flood Control District, the data are published annually in this report entitled "FCDMC ALERT System Annual Surface Water Report."

This report includes records on discharge at uncontrolled stream gages and at flood control storage structures, on depths at flood control storage structures, and on contents at flood control storage structures. Specifically it contains: (1) Discharge records at 41 stream gages and 25 flood control storage structures; (2) Depths of stored water at 28 flood control storage structures; and (3) Contents at 27 flood control storage structures where stage-storage relationships are available. Records included are only a small fraction of those obtained for each site during this water year.

A number of streamflow gages collected by the FCDMC ALERT System are run cooperatively with the United States Geological Survey (USGS). Although real-time data for these sites are collected at the FCDMC for the purposes of flood event monitoring, quality control for the data at these gages lies with the USGS. The official records for these sites are published in the USGS Surface Water Data Reports each water year. The cooperative gages collected jointly for Water Year 1996 were:

USGS Gage Name	FCDMC ID	USGS ID
Vekol Wash near Stanfield, AZ	6983	09488650
Salt River at Priest Drive	4523	09512165
Salt R. Trib. in South Mtn. Park	None	09512200
Cave Cr. below Cottonwood Cr.	4923	09512280
Agua Fria River at El Mirage	5503	09513650
Skunk Creek near Phoenix, AZ	5568	09513860
New River near Glendale, AZ	5508	09513910
Gila River @ Estrella Parkway	6853	09514100
Centennial Wash at SPRR	5103	09517490
Gila River near Sacaton, AZ	0783	09478350
Gila River near Maricopa, AZ	0778	09479350
Hassayampa River nr Morristown	5223	09516500

In addition to the continous cooperative stations, the FCDMC also cooperates with the USGS in the collection of peak discharges at a number of crest stage gage sites. The data for these crest stage gage sites are also published by the USGS in their Surface Water Data Reports each water year.

The cooperative crest stage gage sites for Water Year 1996 were:

Gage Site Name	USGS ID
Tortilla Creek at Tortilla Flat	09501300
Camp Creek near Sunflower	09510170
Rock Creek near Sunflower	09510180
Indian Bend Wash at Shea Blvd	09512090
Agua Fria R. Trib. No. 2	09512700
Deadman Wash near New River	09513820
Waterman Wash near Buckeye	09514200
Hartman Wash near Wickenburg	09515800
Ox Wash near Morristown	09516600
Jackrabbit Wash near Tonapah	09516800
Centennial Wash Trib. nr Wenden	09517200
Tiger Wash near Aguila	09517280
Rainbow Wash Trib. near Buckeye	09519600
Bender Wash near Gila Bend	09519750
Sauceda Wash near Gila Bend	09519760
Military Wash near Sentinel	09520100
Crater Range Wash near Ajo	09520230

This is the third 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. However, there are data resident in archives prior to water year 1994 that may have value to specific individuals. Data are available back to November 1987 for some streamflow sites.

The data are collected as a depth of flow in feet (or stage). The discharge and/or contents is then obtained by applying the stage to a rating curve of stage versus discharge in cubic feet per second (cfs), or stage versus contents in acre-feet (ac-ft). The discharge rating curves have been developed at stream gages by using field surveyed cross sections in a HEC-2 or 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 measurements made at or near the gage site. The discharge rating curves at flood control storage structures were developed by application of the Federal Highway Administration's HY-8 computer model for culvert flow and U.S. Geological Survey methods for 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. The same is similarly true for storage facility contents. The minimum and maximum values are based on instantaneous readings and the volumes for discharge stations are based on accumulations of daily means. Those gages in

section 2, Pool Levels at Storage Facilities, which show a continuous gage height during obvious periods of no storage, do so because the orifice to the pressure transducer is set at that gage height above or below 0.0' gage datum.

All of the data in this report have been reviewed and edited in an attempt to provide the most accurate data possible. A blank or blanks within the data set is an indication that data was 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.

Comments about this report or errors discovered may be forwarded to the Flood Warning and Data Collection Branch using the comment/errata sheet found at the back of this document. Alternately, comments or errors may be sent via Internet e-mail from the FCDMC ALERT System Home Page or directly to twl@poseidon.flood.maricopa.gov.

An index of gage names, numbers, locations, and other descriptors is included following the Definition of Terms in this report.

Additional or more detailed surface water data in hard copy or computer disk format is available for the gages listed in this report. Contact the Flood Control District, Engineering Division, Flood Warning and Data Collection Branch at (602) 506-1501.

DEFINITION OF TERMS

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

Acre-foot (ac-ft) is 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.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic foot per second-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons or 2,445 cubic meters.

Daily mean discharge is the average discharge in cfs for a 24 hour period from midnight to midnight the following day.

Discharge is 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 of a stream at a specified location is that 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.

Drainage basin is a part of the surface of the Earth that is occupied by a drainage system, which consists of a surface stream or body of impounded surface water, together with all tributary surface streams and bodies of impounded surface water.

Flood Elevation Frequency refers to the magnitude (in terms of depth or elevation) and probability of floods at a given flood control impoundment structure. The flood elevation frequency is usually given as a depth or elevatioin of impoundment associated with a given recurrence interval at a particular flood control impoundment structure.

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.

Gage datum is 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 some given point such as a culvert invert elevation.

Gage height is 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.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Instantaneous discharge is the discharge at a particular instant of time.

Maximum Level is the highest pool level recorded or observed at a particular gaging station at a flood control impoundment structure for a given event.

Maximum Storage is the greatest volume of water stored behind or within a flood control impoundment structure for a given event. This occurs at the maximum pool level and is obtained from the stage-storage relation for that maximum level for a particular flood control impoundment structure.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

National Geodetic Vertical Datum of 1929 (NGVD 1929) is 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.

North American Vertical Datum of 1988 (NAVD 1988) is 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 is the maximum instantaneous discharge for a given flood event.

Period of Record 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 over 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) 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) chance of occuring 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 the gage in terms of gage height above the water level measuring instrument.

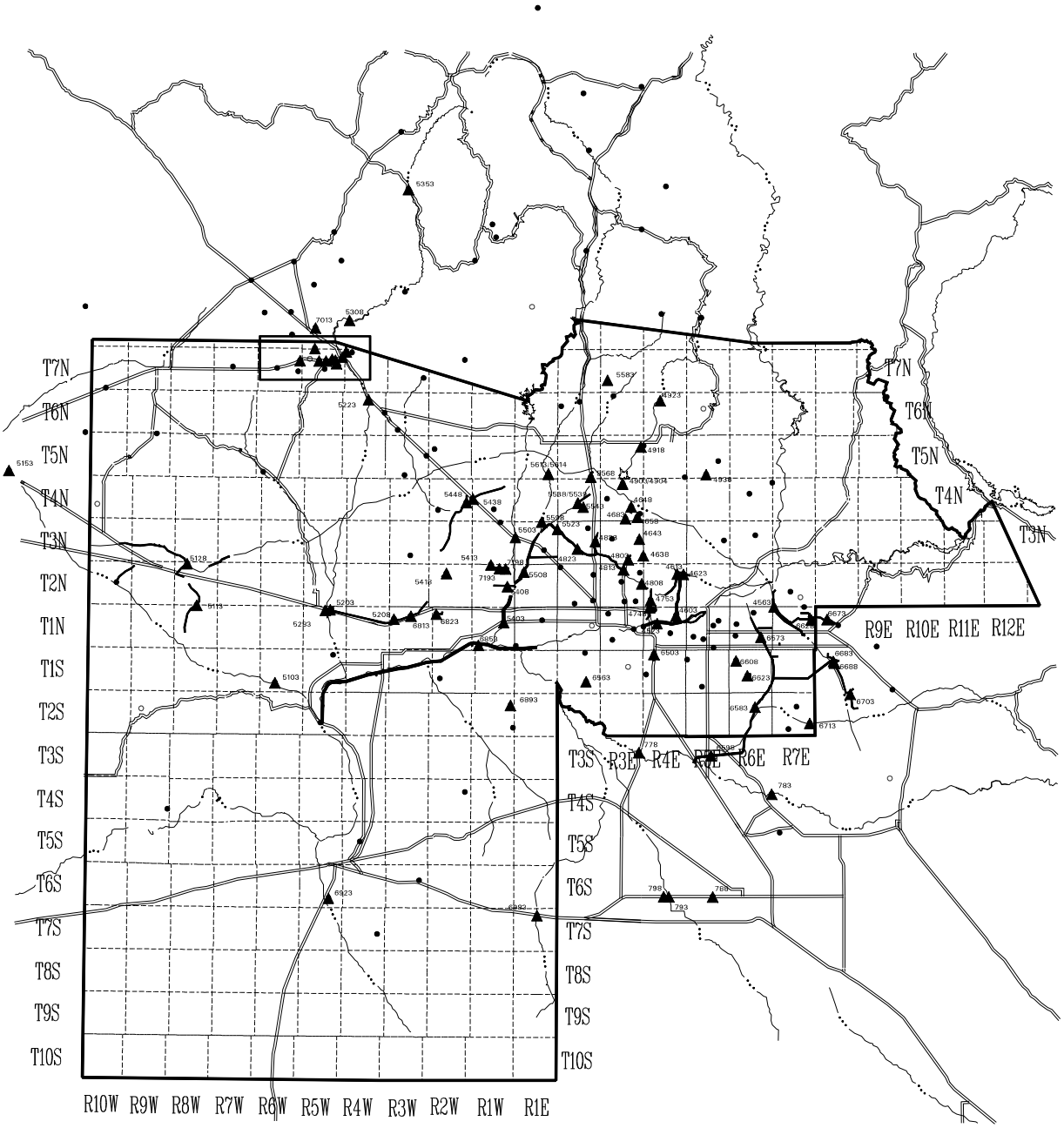
Stage-discharge relation is the relation between gage height (stage) and the volume of water, per unit of time, flowing in a channel.

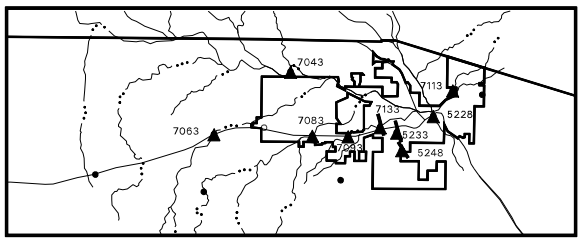
Stage-storage relation is the relation between gage height (stage) and the volume of water stored behind or within a flood control impoundment structure.

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 which includes 9 of the 12 months. Thus, the year ending September 30, 1996, is called the "1996 water year."

Maricopa County
ALERT Water Level Sensor Locations





Wickenburg Area Inset

Legend

- Major Roads
- F.C.D. Structures
- Major Streams, Rivers, & Canals
- Township & Range Boundaries
- ALERT Water Level Sensors
- ALERT Precipitation Gages
- ALERT Weather Stations

Created October 21, 1996

Flood Control District of Maricopa County

ALERT System Water Level Sensors WY 1996 Sorted by ID#

ID #	Gage Name	Sta. Type	Watershed	Repeater	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
778	Gila @ Maricopa Rd	Rain/Stage	Gila /Queen Ck	Signal Peak	4/9/95	3S-3E-13	33 10 16	112 00 21	1120	1:1
783	Gila R. @ Olberg	Rain/Stage	Gila /Queen Ck	Signal Peak	4/12/95	4S-6E-12	33 06 50	111 41 15	1290	1:2
788	Santa Cruz @ SR 84	Rain/Stage	Pinal	Signal Peak	3/16/94	7S-5E-21	32 52 55	111 49 45	1311	1:3
793	Greene Wash @ SR 84	Stage	Pinal	Signal Peak	3/23/94	7S-4E-21	32 52 48	111 56 03	1350	1:4
798	Santa Rosa @ SR 84	Rain/Stage	Pinal	Signal Peak	3/16/94	7S-4E-20	32 52 39	111 56 51	1305	1:5
4523	Salt R. @ Priest Dr.	Stage	C.Creek / Salt	Direct	12/7/93	1N-4E-17	33 26 00	111 57 43	1133	1:6
4563	Spookhill FRS	Rain/Stage	C.Creek / Salt	Thompson Pk	3/13/84	2N-7E-31	33 28 01	111 40 48	1595	1:7,2:1,3:1
4603	IBW @ McKellips Rd.	Rain/Stage	C.Creek / Salt	Thompson Pk	5/21/85	1N-4E-11	33 26 58	111 54 58	1187	1:8
4613	IBW @ Indian Bend Rd.	Rain/Stage	C.Creek / Salt	Thompson Pk	9/28/83	2N-4E-11	33 32 00	111 54 53	1071	1:9
4623	IBW @ Interceptor	Rain/Stage	C.Creek / Salt	Thompson Pk	4/21/94	2N-4E-12	33 31 57	111 53 55	1071	1:10
4638	Tatum Wash @ 40th St.	Rain/Stage	C.Creek / Salt	Thompson Pk	6/3/94	3N-4E-30	33 34 16	111 59 44	1300	1:11-12
4643	IBW @ Sweetwater	Rain/Stage	C.Creek / Salt	Thompson Pk	12/27/90	3N-3E-13	33 36 15	112 00 18	1400	1:13
4648	East Fork CC #1	Rain/Stage	C.Creek / Salt	Direct	3/2/94	4N-3E-23	33 40 05	112 01 15	1515	1:14,2:2,3:2
4658	East Fork CC #4	Rain/Stage	C.Creek / Salt	Direct	1/18/94	4N-3E-25	33 38 31	112 01 01	1456	1:15,2:3,3:3
4683	East Fork CC #3	Rain/Stage	C.Creek / Salt	Direct	9/13/94	4N-3E-34	33 38 44	112 02 24	1456	1:16,2:4,3:4
4748	Old X-cut @ McDowell	Rain/Stage	C.Creek / Salt	Direct	7/27/94	1N-4E-06	33 27 55	111 58 49	1250	1:17
4753	Old X-cut @ Thomas	Stage	C.Creek / Salt	Direct	7/26/94	2N-5W-30	33 29 17	111 54 52	1200	1:18-19
4803	Dreamy Draw Dam	Rain/Stage	C.Creek / Salt	Direct	1/24/84	3N-3E-34	33 33 45	112 01 54	1407	1:20-21,2:5-6,3:5-6
4808	ACDC @ 36th St.	Rain/Stage	C.Creek / Salt	Direct	2/24/94	2N-3E-13	33 30 09	112 00 00	1260	1:22
4813	ACDC @ 14th St.	Rain/Stage	C.Creek / Salt	Direct	2/9/94	2N-3E-4	33 32 31	112 02 35	1230	1:23
4823	ACDC @ 43rd Ave.	Rain/Stage	C.Creek / Salt	White Tanks	11/14/90	3N-2E-22	33 35 03	112 09 16	1225	1:24
4833	Cave Creek @ Cactus	Rain/Stage	C.Creek / Salt	Direct	6/27/91	3N-2E-13	33 35 56	112 07 01	1280	1:25
4903	Cave Buttes Outlet	Rain/Stage	C.Creek / Salt	Direct	1/25/84	4N-3E-15	33 42 58	112 02 43	1649	1:26
4904	Cave Buttes Pool	Rain/Stage	C.Creek / Salt	Direct	1/25/84	4N-3E-15	33 42 58	112 02 43	1649	2:7,3:7
4918	Cave Cr. nr Cave Cr.	Stage	C.Creek / Salt	Thompson Pk	5/27/94	5N-3E-12	33 47 30	112 00 36	1800	1:27
4923	Cave Cr.@ Spur Cross	Rain/Stage	C.Creek / Salt	White Tanks	6/16/93	6N-4E-04	33 53 05	111 57 17	2280	1:28
4938	Reata Pass Dam	Rain/Stage	C.Creek / Salt	Mt. Ord	2/25/93	5N-5E-33	33 44 06	111 50 36	2600	2:8
5103	Centennial Railroad	Rain/Stage	Centennial	White Tanks	2/9/90	1S-6W-28	33 18 35	112 52 56	850	1:29
5113	Saddleback FRS	Rain/Stage	Centennial	White Tanks	12/16/88	2N-10W-34	33 27 55	113 04 21	1177	1:30,2:9,3:8
5128	Harquahala FRS	Rain/Stage	Centennial	Burnt Mtn.	3/1/94	2N-8W-05	33 32 54	113 05 52	1420	1:31,2:10,3:9
5153	Narrows Dam	Rain/Stage	Centennial	Harquahala Mtn.	9/1/94	4N-12W-04	33 43 29	113 30 45	1960	1:32
5203	Buckeye FRS #1	Rain/Stage	Hassayampa	White Tanks	7/26/83	1N-5W-3	33 29 24	112 44 02	1097	1:33,2:11,3:10

Flood Control District of Maricopa County

ALERT System Water Level Sensors WY 1996 Sorted by ID#

ID #	Gage Name	Sta. Type	Watershed	Repeater	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
5208	Buckeye FRS #2	Rain/Stage	Hassayampa	White Tanks	11/11/92	1N-3W-07	33 26 26	112 35 47	1150	1:34,2:12,3:11
5223	Hassy R. nr Morristown	Stage	Hassayampa	White Tanks	5/7/96	6N-4W-03	33 53 06	112 39 41	1830	1:35
5228	Hassy R. @ US 60	Rain/Stage	Hassayampa	White Tanks	3/14/94	7N-5W-12	33 58 22	112 43 40	2035	1:36
5233	Sunset FRS	Rain/Stage	Hassayampa	Yarnell Hill	2/12/89	7N-5W-11	33 57 50	112 44 33	2100	1:37,2:13,3:12
5248	Sunnycove FRS	Rain/Stage	Hassayampa	Yarnell Hill	7/31/86	7N-5W-11	33 57 25	112 44 24	2200	1:38,2:14,3:13
5283	Hassy R. @ I-10	Rain/Stage	Hassayampa	Yarnell Hill	11/9/94	1N-5W-03	33 27 33	112 45 46	1035	1:39
5308	Hassy R. @ Box Canyon	Rain/Stage	Hassayampa	Towers Mtn.	11/17/83	8N-4W-7	33 58 11	112 43 38	2245	1:40-43
5353	Hassy R. @ Wagoner Rd.	Rain/Stage	Hassayampa	Towers Mtn.	9/26/91	11N-3W-9	34 18 38	112 34 05	3785	1:44
5403	Agua Fria @ Buckeye	Rain/Stage	Agua Fria	Direct	10/12/88	1N-1W-14	33 26 05	112 19 55	940	1:45
5408	Colter @ El Mirage	Rain/Stage	Agua Fria	White Tanks	6/29/94	2N-1W-13	33 30 38	112 19 32	1025	1:46
5413	Dysart Drain @ LAFB	Rain/Stage	Agua Fria	Direct	8/22/96	2N-1W-03	33 32 38	112 20 57	1090	1:47
5418	White Tanks 3	Rain/Stage	Agua Fria	Direct	3/12/86	2N-2W-9	33 32 01	112 28 14	1190	1:48,2:15,3:14
5438	McMicken Floodway	Rain/Stage	Agua Fria	Direct	9/3/92	4N-1E-18	33 41 04	112 24 33	1337	1:49
5448	McMicken Dam	Rain/Stage	Agua Fria	Direct	3/24/83	4N-2W-24	33 40 38	112 25 23	1361	1:50,2:16,3:15
5503	Agua Fria @ Grand Ave.	Rain/Stage	Agua Fria	Direct	4/27/94	3N-1E-18	33 36 25	112 18 16	1125	1:51
5508	New River @ Glendale	Rain/Stage	Agua Fria	White Tanks	3/21/90	3N-1E-8	33 32 14	112 17 00	1050	1:52
5523	ACDC @ 67th Ave.	Rain/Stage	Agua Fria	White Tanks	6/7/90	3N-1E-12	33 37 26	112 12 10	1220	1:53-56
5538	Adobe Dam Outlet	Rain/Stage	Agua Fria	Thompson Pk	10/28/82	4N-2E-21	33 40 37	112 09 12	1413	1:57
5539	Adobe Dam Pool	Rain/Stage	Agua Fria	Thompson Pk	10/28/82	4N-2E-21	33 40 37	112 09 12	1413	2:17,3:16
5543	Scatter Wash	Stage	Agua Fria	Thompson Pk	9/18/96	4N-2E-27	33 40 20	112 08 30	1340	1:58
5568	Skunk Creek @ I-17	Rain/Stage	Agua Fria	Direct	10/26/89	5N-2E-35	33 43 47	112 07 21	1475	1:59
5583	Skunk Cr. nr New R.	Stage	Agua Fria	White Tanks	6/21/95	7N-3E-29	33 55 36	112 04 57	1854	1:60
5598	New River @ Bell Rd.	Rain/Stage	Agua Fria	White Tanks	4/4/90	3N-1E-3	33 38 18	112 14 27	1200	1:61-62
5613	New River Outlet	Rain/Stage	Agua Fria	Direct	4/15/86	5N-1E-35	33 44 09	112 13 31	1498	1:63
5614	New River Pool	Rain/Stage	Agua Fria	Direct	4/15/86	5N-1E-35	33 44 09	112 13 31	1498	2:18,3:17
6503	Guadalupe FRS	Rain/Stage	Gila /Queen Ck	Direct	6/29/89	1S-4E-5	33 22 16	111 58 10	1250	1:64,2:19,3:18
6563	South Mountain Fan	Weather	Gila /Queen Ck	White Tanks	6/9/93	1S-2E-26	33 18 57	112 08 05	1420	1:65-66
6573	EMF @ Broadway	Rain/Stage	Gila /Queen Ck	Thompson Pk	8/10/89	1N-6E-26	33 24 21	111 42 42	1349	1:67
6583	EMF @ Queen Creek Rd.	Rain/Stage	Gila /Queen Ck	Thompson Pk	1/18/89	2S-6E-15	33 15 50	111 43 35	1317	1:68
6598	EMF @ Arizona Ave.	Rain/Stage	Gila /Queen Ck	Kings Ranch	2/10/89	3S-5E-15	33 10 53	111 51 50	1214	1:69
6608	Freestone Park Basin	Rain/Stage	Gila/Queen Ck	Thompson Pk	12/19/95	1S-6E-08	33 21 29	111 46 21	1450	2:20,3:19
6623	Crossroads Park Basin	Weather	Gila/Queen Ck	Thompson Pk	12/18/95	1S-6E-21	33 19 40	111 44 49	1270	2:21,3:20

Flood Control District of Maricopa County

ALERT System Water Level Sensors WY 1996 Sorted by ID#

ID #	Gage Name	Sta. Type	Watershed	Repeater	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
6628	Signal Butte FRS	Rain/Stage	Gila /Queen Ck	Kings Ranch	11/10/87	1N-7E-12	33 26 25	111 35 25	1650	1:70,2:22,3:21
6673	Apache Junction FRS	Rain/Stage	Gila /Queen Ck	Kings Ranch	12/16/81	1N-8E-8	33 26 28	111 33 07	1989	1:71,2:23,3:22
6683	Powerline FRS	Rain/Stage	Gila /Queen Ck	Kings Ranch	12/3/92	1S 8E 09	33 21 06	111 32 34	1580	1:72,2:24,3:23
6688	Vineyard FRS	Rain/Stage	Gila /Queen Ck	Thompson Pk	11/2/83	1S-8E-9	33 21 06	111 32 34	1582	1:73,2:25,3:24
6703	Rittenhouse FRS	Rain/Stage	Gila /Queen Ck	Thompson Pk	9/27/88	2S-8E-2	33 17 22	111 30 26	1580	1:74,2:26,3:25
6713	Queen Ck @ Rittenhouse	Rain/Stage	Gila /Queen Ck	Kings Ranch	9/14/93	2S-7E-25	33 13 50	111 35 41	1400	1:75
6813	Buckeye FRS #3	Rain/Stage	Wtrmn/Sauceda	White Tanks	11/23/92	1N-3W-10	33 26 49	112 33 20	1200	1:76,2:27,3:26
6823	White Tanks 4	Rain/Stage	Wtrmn/Sauceda	White Tanks	1/9/86	1N-2W-5	33 27 04	112 29 40	1044	1:77,2:28,3:27
6853	Gila @ Estrella Pkwy.	Stage	Wtrmn/Sauceda	White Tanks	12/2/92	1N-1W-31	33 23 19	112 23 33	900	1:78
6893	Estrella Fan	Weather	Wtrmn/Sauceda	Waterman	4/30/93	2S-1W-12	33 16 08	112 19 15	1425	1:79
6923	Sauceda Wash	Rain/Stage	Wtrmn/Sauceda	White Tanks	2/28/90	6S-5W-04	32 52 27	112 44 57	726	1:80
6983	Vekol Wash	Rain/Stage	Wtrmn/Sauceda	White Tanks	3/7/90	7S-1E-3	32 50 30	112 14 58	1720	1:81
7013	Martinez Creek	Rain/Stage	Hassayampa	Yarnell Hill	11/23/94	8N-5W-17	34 01 44	112 47 30	2300	1:82
7043	Sols Wash nr Matthie	Rain/Stage	Hassayampa	Yarnell Hill	8/4/95	8N-5W-32	33 59 14	112 47 36	2220	1:83
7063	Hartman Wash	Rain/Stage	Hassayampa	Yarnell Hill	7/6/94	7N-5W-12	33 57 47	112 49 40	2488	1:84-86
7083	Flying E Wash	Rain/Stage	Hassayampa	Yarnell Hill	7/12/94	7N-5W-09	33 57 44	112 46 49	2302	1:87-88
7093	Casandro Wash	Rain/Stage	Hassayampa	Yarnell Hill	7/12/94	7N-5W-10	33 57 44	112 45 53	2240	1:89
7113	Powder House Wash	Rain/Stage	Hassayampa	Yarnell Hill	5/18/95	7N-4W-06	33 59 00	112 42 45	2120	1:90
7133	Casandro Dam	Rain/Stage	Hassayampa	Yarnell Hill	8/15/96	7N-5W-11	33 58 04	112 44 49	2163	1:91,2:29,3:28

Flood Control District of Maricopa County

ALERT System Water Level Sensors WY 1996 Sorted by Name

ID #	Gage Name	Sta. Type	Watershed	Repeater	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
4813	ACDC @ 14th St.	Rain/Stage	C.Creek / Salt	Direct	2/9/94	2N-3E-4	33 32 31	112 02 35	1230	1:23
4808	ACDC @ 36th St.	Rain/Stage	C.Creek / Salt	Direct	2/24/94	2N-3E-13	33 30 09	112 00 00	1260	1:22
4823	ACDC @ 43rd Ave.	Rain/Stage	C.Creek / Salt	White Tanks	11/14/90	3N-2E-22	33 35 03	112 09 16	1225	1:24
5523	ACDC @ 67th Ave.	Rain/Stage	Agua Fria	White Tanks	6/7/90	3N-1E-12	33 37 26	112 12 10	1220	1:53-56
5538	Adobe Dam Outlet	Rain/Stage	Agua Fria	Thompson Pk	10/28/82	4N-2E-21	33 40 37	112 09 12	1413	1:57
5539	Adobe Dam Pool	Rain/Stage	Agua Fria	Thompson Pk	10/28/82	4N-2E-21	33 40 37	112 09 12	1413	2:17,3:16
5403	Agua Fria @ Buckeye	Rain/Stage	Agua Fria	Direct	10/12/88	1N-1W-14	33 26 05	112 19 55	940	1:45
5503	Agua Fria @ Grand Ave.	Rain/Stage	Agua Fria	Direct	4/27/94	3N-1E-18	33 36 25	112 18 16	1125	1:51
6673	Apache Junction FRS	Rain/Stage	Gila /Queen Ck	Kings Ranch	12/16/81	1N-8E-8	33 26 28	111 33 07	1989	1:71,2:23,3:22
5203	Buckeye FRS #1	Rain/Stage	Hassayampa	White Tanks	7/26/83	1N-5W-3	33 29 24	112 44 02	1097	1:33,2:11,3:10
5208	Buckeye FRS #2	Rain/Stage	Hassayampa	White Tanks	11/11/92	1N-3W-07	33 26 26	112 35 47	1150	1:34,2:12,3:11
6813	Buckeye FRS #3	Rain/Stage	Wtrmn/Sauceda	White Tanks	11/23/92	1N-3W-10	33 26 49	112 33 20	1200	1:76,2:27,3:26
7133	Casandro Dam	Rain/Stage	Hassayampa	Yarnell Hill	8/15/96	7N-5W-11	33 58 04	112 44 49	2163	1:91,2:29,3:28
7093	Casandro Wash	Rain/Stage	Hassayampa	Yarnell Hill	7/12/94	7N-5W-10	33 57 44	112 45 53	2240	1:89
4903	Cave Buttes Outlet	Rain/Stage	C.Creek / Salt	Direct	1/25/84	4N-3E-15	33 42 58	112 02 43	1649	1:26
4904	Cave Buttes Pool	Rain/Stage	C.Creek / Salt	Direct	1/25/84	4N-3E-15	33 42 58	112 02 43	1649	2:7,3:7
4918	Cave Cr. nr Cave Cr.	Stage	C.Creek / Salt	Thompson Pk	5/27/94	5N-3E-12	33 47 30	112 00 36	1800	1:27
4923	Cave Cr.@ Spur Cross	Rain/Stage	C.Creek / Salt	White Tanks	6/16/93	6N-4E-04	33 53 05	111 57 17	2280	1:28
4833	Cave Creek @ Cactus	Rain/Stage	C.Creek / Salt	Direct	6/27/91	3N-2E-13	33 35 56	112 07 01	1280	1:25
5103	Centennial Railroad	Rain/Stage	Centennial	White Tanks	2/9/90	1S-6W-28	33 18 35	112 52 56	850	1:29
5408	Colter @ El Mirage	Rain/Stage	Agua Fria	White Tanks	6/29/94	2N-1W-13	33 30 38	112 19 32	1025	1:46
6623	Crossroads Park Basin	Weather	Gila/Queen Ck	Thompson Pk	12/18/95	1S-6E-21	33 19 40	111 44 49	1270	2:21,3:20
4803	Dreamy Draw Dam	Rain/Stage	C.Creek / Salt	Direct	1/24/84	3N-3E-34	33 33 45	112 01 54	1407	1:20-21,2:5-6,3:5-6
5413	Dysart Drain @ LAFB	Rain/Stage	Agua Fria	Direct	8/22/96	2N-1W-03	33 32 38	112 20 57	1090	1:47
4648	East Fork CC #1	Rain/Stage	C.Creek / Salt	Direct	3/2/94	4N-3E-23	33 40 05	112 01 15	1515	1:14,2:2,3:2
4683	East Fork CC #3	Rain/Stage	C.Creek / Salt	Direct	9/13/94	4N-3E-34	33 38 44	112 02 24	1456	1:16,2:4,3:4
4658	East Fork CC #4	Rain/Stage	C.Creek / Salt	Direct	1/18/94	4N-3E-25	33 38 31	112 01 01	1456	1:15,2:3,3:3
6598	EMF @ Arizona Ave.	Rain/Stage	Gila /Queen Ck	Kings Ranch	2/10/89	3S-5E-15	33 10 53	111 51 50	1214	1:69
6573	EMF @ Broadway	Rain/Stage	Gila /Queen Ck	Thompson Pk	8/10/89	1N-6E-26	33 24 21	111 42 42	1349	1:67
6583	EMF @ Queen Creek Rd.	Rain/Stage	Gila /Queen Ck	Thompson Pk	1/18/89	2S-6E-15	33 15 50	111 43 35	1317	1:68
6893	Estrella Fan	Weather	Wtrmn/Sauceda	Waterman	4/30/93	2S-1W-12	33 16 08	112 19 15	1425	1:79
7083	Flying E Wash	Rain/Stage	Hassayampa	Yarnell Hill	7/12/94	7N-5W-09	33 57 44	112 46 49	2302	1:86-88

Flood Control District of Maricopa County

ALERT System Water Level Sensors WY 1996 Sorted by Name

ID #	Gage Name	Sta. Type	Watershed	Repeater	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
6608	Freestone Park Basin	Rain/Stage	Gila/Queen Ck	Thompson Pk	12/19/95	1S-6E-08	33 21 29	111 46 21	1450	2:20,3:19
6853	Gila @ Estrella Pkwy.	Stage	Wtrmn/Sauceda	White Tanks	12/2/92	1N-1W-31	33 23 19	112 23 33	900	1:78
778	Gila @ Maricopa Rd	Rain/Stage	Gila /Queen Ck	Signal Peak	4/9/95	3S-3E-13	33 10 16	112 00 21	1120	1:1
783	Gila R. @ Olberg	Rain/Stage	Gila /Queen Ck	Signal Peak	4/12/95	4S-6E-12	33 06 50	111 41 15	1290	1:2
793	Greene Wash @ SR 84	Stage	Pinal	Signal Peak	3/23/94	7S-4E-21	32 52 48	111 56 03	1350	1:4
6503	Guadalupe FRS	Rain/Stage	Gila /Queen Ck	Direct	6/29/89	1S-4E-5	33 22 16	111 58 10	1250	1:64,2:19,3:18
5128	Harquahala FRS	Rain/Stage	Centennial	Burnt Mtn.	3/1/94	2N-8W-05	33 32 54	113 05 52	1420	1:31,2:10,3:9
7063	Hartman Wash	Rain/Stage	Hassayampa	Yarnell Hill	7/6/94	7N-5W-12	33 57 47	112 49 40	2488	1:84-85
5308	Hassy R. @ Box Canyon	Rain/Stage	Hassayampa	Towers Mtn.	11/17/83	8N-4W-7	33 58 11	112 43 38	2245	1:40-43
5283	Hassy R. @ I-10	Rain/Stage	Hassayampa	Yarnell Hill	11/9/94	1N-5W-03	33 27 33	112 45 46	1035	1:39
5228	Hassy R. @ US 60	Rain/Stage	Hassayampa	White Tanks	3/14/94	7N-5W-12	33 58 22	112 43 40	2035	1:36
5353	Hassy R. @ Wagoner Rd.	Rain/Stage	Hassayampa	Towers Mtn.	9/26/91	11N-3W-9	34 18 38	112 34 05	3785	1:44
5223	Hassy R. nr Morristown	Stage	Hassayampa	White Tanks	5/7/96	6N-4W-03	33 53 06	112 39 41	1830	1:35
4613	IBW @ Indian Bend Rd.	Rain/Stage	C.Creek / Salt	Thompson Pk	9/28/83	2N-4E-11	33 32 00	111 54 53	1071	1:9
4623	IBW @ Interceptor	Rain/Stage	C.Creek / Salt	Thompson Pk	4/21/94	2N-4E-12	33 31 57	111 53 55	1071	1:10
4603	IBW @ McKellips Rd.	Rain/Stage	C.Creek / Salt	Thompson Pk	5/21/85	1N-4E-11	33 26 58	111 54 58	1187	1:8
4643	IBW @ Sweetwater	Rain/Stage	C.Creek / Salt	Thompson Pk	12/27/90	3N-3E-13	33 36 15	112 00 18	1400	1:13
7013	Martinez Creek	Rain/Stage	Hassayampa	Yarnell Hill	11/23/94	8N-5W-17	34 01 44	112 47 30	2300	1:82
5448	McMicken Dam	Rain/Stage	Agua Fria	Direct	3/24/83	4N-2W-24	33 40 38	112 25 23	1361	1:50,2:16,3:15
5438	McMicken Floodway	Rain/Stage	Agua Fria	Direct	9/3/92	4N-1E-18	33 41 04	112 24 33	1337	1:49
5153	Narrows Dam	Rain/Stage	Centennial	Harquahala Mtn.	9/1/94	4N-12W-04	33 43 29	113 30 45	1960	1:32
5598	New River @ Bell Rd.	Rain/Stage	Agua Fria	White Tanks	4/4/90	3N-1E-3	33 38 18	112 14 27	1200	1:61-62
5508	New River @ Glendale	Rain/Stage	Agua Fria	White Tanks	3/21/90	3N-1E-8	33 32 14	112 17 00	1050	1:52
5613	New River Outlet	Rain/Stage	Agua Fria	Direct	4/15/86	5N-1E-35	33 44 09	112 13 31	1498	1:63
5614	New River Pool	Rain/Stage	Agua Fria	Direct	4/15/86	5N-1E-35	33 44 09	112 13 31	1498	2:18,3:17
4748	Old X-cut @ McDowell	Rain/Stage	C.Creek / Salt	Direct	7/27/94	1N-4E-06	33 27 55	111 58 49	1250	1:17
4753	Old X-cut @ Thomas	Stage	C.Creek / Salt	Direct	7/26/94	2N-5W-30	33 29 17	111 54 52	1200	1:18-19
7113	Powder House Wash	Rain/Stage	Hassayampa	Yarnell Hill	5/18/95	7N-4W-06	33 59 00	112 42 45	2120	1:90
6683	Powerline FRS	Rain/Stage	Gila /Queen Ck	Kings Ranch	12/3/92	1S 8E 09	33 21 06	111 32 34	1580	1:72,2:24,3:23
6713	Queen Ck @ Rittenhouse	Rain/Stage	Gila /Queen Ck	Kings Ranch	9/14/93	2S-7E-25	33 13 50	111 35 41	1400	1:75
4938	Reata Pass Dam	Rain/Stage	C.Creek / Salt	Mt. Ord	2/25/93	5N-5E-33	33 44 06	111 50 36	2600	2:8
6703	Rittenhouse FRS	Rain/Stage	Gila /Queen Ck	Thompson Pk	9/27/88	2S-8E-2	33 17 22	111 30 26	1580	1:74,2:26,3:25

Flood Control District of Maricopa County

ALERT System Water Level Sensors WY 1996 Sorted by Name

ID #	Gage Name	Sta. Type	Watershed	Repeater	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
5113	Saddleback FRS	Rain/Stage	Centennial	White Tanks	12/16/88	2N-10W-34	33 27 55	113 04 21	1177	1:30,2:9,3:8
4523	Salt R. @ Priest Dr.	Stage	C.Creek / Salt	Direct	12/7/93	1N-4E-17	33 26 00	111 57 43	1133	1:6
788	Santa Cruz @ SR 84	Rain/Stage	Pinal	Signal Peak	3/16/94	7S-5E-21	32 52 55	111 49 45	1311	1:3
798	Santa Rosa @ SR 84	Rain/Stage	Pinal	Signal Peak	3/16/94	7S-4E-20	32 52 39	111 56 51	1305	1:5
6923	Sauceda Wash	Rain/Stage	Wtrmn/Sauceda	White Tanks	2/28/90	6S-5W-04	32 52 27	112 44 57	726	1:80
5543	Scatter Wash	Stage	Agua Fria	Thompson Pk	9/18/96	4N-2E-27	33 40 20	112 08 30	1340	1:58
6628	Signal Butte FRS	Rain/Stage	Gila /Queen Ck	Kings Ranch	11/10/87	1N-7E-12	33 26 25	111 35 25	1650	1:70,2:22,3:21
5583	Skunk Cr. nr New R.	Stage	Agua Fria	White Tanks	6/21/95	7N-3E-29	33 55 36	112 04 57	1854	1:60
5568	Skunk Creek @ I-17	Rain/Stage	Agua Fria	Direct	10/26/89	5N-2E-35	33 43 47	112 07 21	1475	1:59
7043	Sols Wash nr Matthie	Rain/Stage	Hassayampa	Yarnell Hill	8/4/95	8N-5W-32	33 59 14	112 47 36	2220	1:83
6563	South Mountain Fan	Weather	Gila /Queen Ck	White Tanks	6/9/93	1S-2E-26	33 18 57	112 08 05	1420	1:65-66
4563	Spookhill FRS	Rain/Stage	C.Creek / Salt	Thompson Pk	3/13/84	2N-7E-31	33 28 01	111 40 48	1595	1:7,2:1,3:1
5248	Sunnycove FRS	Rain/Stage	Hassayampa	Yarnell Hill	7/31/86	7N-5W-11	33 57 25	112 44 24	2200	1:38,2:14,3:13
5233	Sunset FRS	Rain/Stage	Hassayampa	Yarnell Hill	2/12/89	7N-5W-11	33 57 50	112 44 33	2100	1:37,2:13,3:12
4638	Tatum Wash @ 40th St.	Rain/Stage	C.Creek / Salt	Thompson Pk	6/3/94	3N-4E-30	33 34 16	111 59 44	1300	1:11-12
6983	Vekol Wash	Rain/Stage	Wtrmn/Sauceda	White Tanks	3/7/90	7S-1E-3	32 50 30	112 14 58	1720	1:81
6688	Vineyard FRS	Rain/Stage	Gila /Queen Ck	Thompson Pk	11/2/83	1S-8E-9	33 21 06	111 32 34	1582	1:73,2:25,3:24
5418	White Tanks 3	Rain/Stage	Agua Fria	Direct	3/12/86	2N-2W-9	33 32 01	112 28 14	1190	1:48,2:15,3:14
6823	White Tanks 4	Rain/Stage	Wtrmn/Sauceda	White Tanks	1/9/86	1N-2W-5	33 27 04	112 29 40	1044	1:77,2:28,3:27

SUMMARY OF SIGNIFICANT STREAMFLOW EVENTS

Water Year 1996 was generally a rather dry year all around the State of Arizona including Maricopa County. However, a few storms were intense enough to generate runoff. The winter event of most significance occurred on November 1st. This storm produced the largest peak discharges and impoundments for the year at a number of sites including on the Arizona Canal Diversion Channel (ACDC), Cave Creek, and South Mountain Fan. The peak discharge on the ACDC at the 67th Avenue bridge of 1,692 cfs was the largest peak discharge recorded at this site since the installation of the gage in June of 1990.

The summer monsoon also produced several storms of note which produced streamflow monitored by the Flood Control District's ALERT System. The first occurred on July 15th when thunderstorms hit the central western part of Maricopa County. The result was small impoundments at the Buckeye #1 Flood Retarding Structure and the Saddleback Flood Retarding Structure. The second occurred on July 25th when an intense local thunderstorm produced a relatively large flash flood on the Hassayampa River. This flood was very short in duration rising from zero flow to over 7,500 cfs at Box Canyon in under one hour. On September 2nd heavy rain hit the eastern part of the County. The East Maricopa Floodway experienced a flood of over 3,800 cfs in its upper reaches near Broadway Road. The runoff was great enough to flow all the way into the Gila River from north Mesa. This storm and runoff event primed the watersheds behind the Rittenhouse and Vineyard Flood Retarding Structures for another event on the 11th of September when they were fill to about 5 percent of their capacities. The event of the 11th also produced significant flooding in the Wickenburg area. All washes in and around Wickenburg experienced runoff while the newly dedicated Casandro Dam filled to over 10 percent of its storage capacity.

These and other significant flows and/or impoundements for Water Year 1996 are summarized in the following table.

Maximum Flows and Impoundments for Water Year 1996 at Selected FCDMC Water Level Sensor Locations

Location	Discharge (cfs)	Stage (feet)	Contents (ac-ft)	Contents (%full)	Date
East Maricopa Floodway @ Broadway Road	3,840				9/2/96
East Maricopa Floodway @ Queen Creek Rd.	1,610				9/2/96
East Maricopa Floodway @ Arizona Avenue	630				9/2/96
Vineyard FRS	60	3.4	195	6.2	9/14/96
Rittenhouse FRS	105	9.7	150	4.5	9/11/96
Signal Butte FRS		4.9	11	0.8	8/28/96
South Mountain Fan	350				11/1/95
Indian Bend Wash at Sweetwater Road	130				2/1/96 & 7/25/96
Indian Bend Wash near Indian Bend Road	670				9/2/96
Indian Bend Wash at McKellips Road	380				9/2/96
Cave Creek near Cave Creek	330				9/7/96
Cave Buttes Dam	180	12.8	289	0.6	11/2/95
Cave Creek at Cactus Road	470				11/1/95
East Fork Cave Creek Basin #4	45	2.7	3	4.1	2/1/96
ACDC @ 14th Street	50				7/25/96
ACDC @ 43rd Ave	1,030				11/1/95
ACDC @ 67th Ave	1,690				11/1/95
Dysart Drain at Luke Air Force Base	195				9/2/96
Hassayampa River at Wagoner Road	140				9/5/96
Hassayampa River at Box Canyon	7,550				7/25/96
Hassayampa River at US 60	4,920				7/25/96
Flying E Wash	300				9/11/96
Casandro Wash	35				9/10/96
Hartman Wash	45				9/11/96
Casandro Dam	15	5.8	15	10.5	9/11/96
Sols Wash near Matthie	120				7/28/96
Sunset FRS		7.2	11	12.8	9/11/96
Sunnycove FRS		7.1	4	1.9	9/11/96
Buckeye FRS #1	100	1.5	45	0.6	7/15/96
Saddleback FRS	90	2.5	102	1.5	7/15/96

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 778 **Name:** Gila @ Maricopa Rd

USGS Gage: Gila River near Maricopa, AZ, ID# 09479350

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 783 **Name:** Gila R. @ Olberg

USGS Gage: Gila River near Sacaton, AZ, ID# 09478350

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 788 **Name:** Santa Cruz @ SR 84
Period of Record: 03/16/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
July 15	76	Sept. 4	124

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					11	43	1			21		
2					16	41				7		14
3						14						47
4						42						63
5												66
6												48
7												39
8				18		30						8
9						36				21		
10				20						44		
11										34		
12									10		32	
13				6					43			
14				30		10			36			
15				20	21				7	49		35
16					14					49		28
17									25	39		
18						34				39		
19					5					7		
20			6		38							
21			32									
22												
23	11											
24	46			20								
25	17			43								
26	42		20	45	37							
27	41			42	35							
28	45			13								
29	6				6							
30					---							
31		---			---	24	---		---			---
TOTAL	209	0	57	254	182	274	1	0	120	308	32	348
MEAN	7	0	2	8	6	9	0	0	4	10	1	12
MAX	48	0	43	46	49	48	0	0	47	76	43	124
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	414	0	114	505	362	543	1	0	238	612	63	691

WTR YR 1996 TOTAL 1786 MEAN 5 MAX 124 MIN 0 AC_FT 3542

Note: Most flows due to irrigation return water.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 793 **Name:** Greene Wash @ SR 84
Period of Record: 03/23/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow above gage during Water Year 1996.
Minimum flow recorded by gage is about 40 cfs at 1.2 ft gage height.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 798 **Name:** Santa Rosa @ SR 84
Period of Record: 03/16/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow above gage during Water Year 1996.
Minimum flow recorded by gage is about 325 cfs at 2.3 ft gage height.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4523 **Name:** Salt R. @ Priest Dr.

USGS Gage: Salt River at Priest Drive, ID# 09512165

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Flow Frequency				
Magnitude and Probability of Instantaneous Peak Flow				
Discharge, in cfs, for Indicated Recurrence Interval				
5-year	10-year	20-year	50-year	100-year
20,500	55,000	90,000	140,000	169,000

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4563 **Name:** Spookhill FRS
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996 assuming gate fully open:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	13	Feb. 2	15
July 14	13	Sept. 2	45

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		2										
2		13			4							39
3		2										41
4												39
5												38
6												36
7												34
8												33
9												31
10												30
11												30
12												30
13												29
14										2		29
15										5		28
16												26
17												26
18												25
19												23
20												24
21												23
22												22
23												18
24												14
25												5
26					7					5		
27												
28											5	
29												
30					---							
31		---			---		---		---			---
TOTAL	0	17	0	0	11	0	0	0	0	12	5	672
MEAN	0	1	0	0	0	0	0	0	0	0	0	22
MAX	0	13	0	0	15	0	0	0	0	13	9	45
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	33	0	0	22	0	0	0	0	23	9	1333

WTR YR 1996 TOTAL 716 MEAN 2 MAX 45 MIN 0 AC_FT 1421

Note: This structure has a manual gated outlet. Discharges are based on the assumption that the gate is fully open. This was not the case for many of these impoundments, especially during Sept. 1996. Therefore, mean daily flows and acre-footage are overreported. See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4603 **Name:** IBW @ McKellips Rd.
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	150	Nov. 29	76
Mar. 14	94	July 26	173
Aug. 18	278	Sept. 2	380
Sept. 4	288	Sept. 11	241

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8	10	6									
2	5	50										162
3	1	3										132
4												152
5												17
6		13										2
7		3										1
8		2										
9										9		
10												
11												23
12												
13						1						2
14						20						
15						12						
16												
17												
18											9	
19											65	
20												
21												
22												
23												
24												
25		(1)								7		
26										19		
27		38										
28		42										
29		65										
30		56			---							
31		---			---		---		---			---
TOTAL	14	284	6	0	0	32	0	0	0	35	74	492
MEAN	0	9	0	0	0	1	0	0	0	1	2	16
MAX	13	150	22	0	0	94	0	0	0	173	278	380
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	29	563	13	0	0	64	0	0	0	70	147	977

WTR YR 1996 TOTAL 939 MEAN 3 MAX 380 MIN 0 AC_FT 1862

(1) Gage down due to plugged bubbler line from 11/25-27/1995. Consequently, some low flow data was missed.

See also the USGS Water-Data Report for Indian Bend Wash @ Curry Road, USGS gage ID# 09512162, located approximately 1/2 mile downstream.

Flood Flow Frequency		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
4,000	14,000	20,000

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4613 **Name:** IBW @ Indian Bend

Period of Record: USGS -- 1961-1984; FCDMC -- Nov. 1987 to current water year

Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 2	541	Feb. 2	285
July 26	148	Sept. 2	666

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					9							
2		122			64							151
3												13
4												
5												
6												
7												
8												
9												7
10												18
11												20
12												13
13												20
14												16
15												18
16												18
17												18
18												18
19												20
20												18
21												18
22												21
23												10
24												
25												
26					7					32		
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	122	0	0	79	0	0	0	0	32	0	418
MEAN	0	4	0	0	3	0	0	0	0	1	0	14
MAX	0	541	0	0	285	0	0	0	0	148	0	666
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	242	0	0	157	0	0	0	0	63	0	829

WTR YR 1996 TOTAL 651 MEAN 2 MAX 666 MIN 0 AC_FT 1291

Flood Flow Frequency		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
3,500	12,000	17,000

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4623 **Name:** IBW Interceptor
Period of Record: 04/21/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4638 **Name:** Tatum Wash @ 40th
Period of Record: 06/03/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow during Water Year 1996 except for the following day:

Day	Discharge
July 26*	13**

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	0	0	0	0	0	0	0	0	4	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	13	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	7	0	0

WTR YR 1996 TOTAL 4 MEAN 0 MAX 13 MIN 0 AC_FT 7

* Date of event interpreted from precipitation record at site. Gage down due to instrument failure.
** Maximum taken from high water marks on staff gage.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4638 **Name:** Tatum Wash @ 40th
Period of Record: 06/03/94 to current year
Discharge, in cfs, Water Year October 1994 to September 1995 -- REVISED

No flow during Water Year 1995 except on following day:

Day	Peak Discharge (cfs)
Sept. 28	17

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	17
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 1995 TOTAL 0 MEAN 0 MAX 17 MIN 0 AC_FT 0

Revisions due to reevaluation of instrument base value. Instrument diaphragm found to be 0.1 ft higher than previously believed.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4643 **Name:** IBW @ Sweetwater
Period of Record: 12/27/90 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	3	Feb. 1	130
Feb. 26	1	July 15	1
July 25	130	Aug. 18	2
Sept. 2	85	Sept. 11	55

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					6							
2												8
3												
4												
5												
6												
7												
8												
9												
10												
11												2
12												
13												
14												
15												
16												
17												
18												
19											1	
20												
21												
22												
23												
24												
25										10		
26										3		
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	6	0	0	0	0	13	1	11
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	3	0	0	130	0	0	0	0	130	2	85
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	0	0	11	0	0	0	0	26	1	22

WTR YR 1996 TOTAL 31 MEAN 0 MAX 130 MIN 0 AC_FT 61

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4648 **Name:** E.Fork CC #1
Period of Record: 03/02/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No outflows during Water Year 1996 except on following days:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Feb. 1	10	July 14	13
July 25	5	Sept.	2

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	0	0	0	1	0	0	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	10	0	0	0	0	13	0	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	2	0	0	0	0	1	0	0

WTR YR 1996 TOTAL 2 MEAN 0 MAX 13 MIN 0 AC_FT 3

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4658 **Name:** E.Fork CC #4
Period of Record: 01/18/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows greater than 10 cfs during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	16	Feb. 1	45
Feb. 25	20	July 9	21
July 14	28	July 25	24
Aug. 14	11	Aug. 29	12
Sept. 25	25		

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	6	0	0	57	11	0	0	0	15	5	10
MEAN	0	0	0	0	2	0	0	0	0	0	0	0
MAX	0	16	0	10	45	7	0	0	0	28	12	26
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	11	0	0	113	21	0	0	0	31	10	20

WTR YR 1996 TOTAL 104 MEAN 0 MAX 45 MIN 0 AC_FT 206

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4683 **Name:** E.Fork CC #3
Period of Record: 07/27/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

* Flows up to about the 2-year are passed beneath the detention basin via storm drains.

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4748 **Name:** Old Xcut @ McDowell
Period of Record: 07/27/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	70	Nov. 6	25
Feb. 1	24	Feb. 25	38
July 7	103	July 14	49
July 20	349*	July 23	103
July 25	86	Aug. 18	52
Sept. 4	24	Sept. 6	58

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		8			2							
2		3										
3												
4												1
5		2										
6		9										4
7										21		2
8												
9												
10												
11												
12												
13												
14										12		
15												
16												19
17												
18											4	
19											2	
20										44		
21										64		
22										82		
23										35		
24												
25					1					13		
26					4					2		
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	22	0	0	8	0	0	0	0	273	5	26
MEAN	0	1	0	0	0	0	0	0	0	9	0	1
MAX	0	70	0	0	38	0	0	0	0	349*	52	75
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	44	0	0	15	0	0	0	0	542	11	51

WTR YR 1996 TOTAL 334 MEAN 1 MAX 349* MIN 0 AC_FT 663

* Maximum flow was released by Salt River Project from the Arizona Canal upstream.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4753 **Name:** Old Xcut @ Thomas
Period of Record: 07/26/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak discharges of interest greater than 50 cfs during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	57	Jan. 15	54
July 7	161	July 20	435*
July 22	134	July 25	68
Aug. 18	68	Sept. 4	67
Sept. 6	53		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		6			2							2
2		22										4
3		9										1
4												5
5	5											2
6												4
7										42		2
8												2
9												2
10												2
11												2
12												2
13												2
14										3		2
15				13								1
16												1
17												2
18			11								5	2
19			22								6	2
20			22							73		2
21			22							104		2
22			22							110		2
23			22							57		2
24			22									3
25			22							6		2
26			21							3		2
27			14									2
28												2
29											2	2
30					---						2	2
31		---			---		---		---		2	---
TOTAL	5	37	200	13	2	0	0	0	0	398	16	65
MEAN	0	1	6	0	0	0	0	0	0	13	1	2
MAX	37	57	26	54	28	0	0	0	0	435*	68	67
MIN	0	0	0	0	0	0	0	0	0	0	0	1
AC_FT	11	74	396	25	3	0	0	0	0	788	33	128

WTR YR 1996 TOTAL 735 MEAN 2 MAX 435* MIN 0 AC_FT 1458

Note: Instrument lowered 1.26 ft on 8/29/96 into nearly constant low flow.

* Maximum flow was released by Salt River Project from the Arizona Canal upstream.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4753 **Name:** Old Xcut @ Thomas
Period of Record: 07/26/94 to current year
Discharge, in cfs, Water Year October 1994 to September 1995 -- REVISED

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			21			36					0	
2			21			34		11				
3			22			37		19				
4			8			43		19				
5					12	49		19				
6					37	56		20				
7			3	15	37	50		20				
8					38	49		21				
9					56	49	6	21				
10					49	15		21				
11					35			21				
12				10	38			21				
13					56			22				
14					55			21			3	
15					49			22				
16			11		50			22				
17			19		64			22				
18			19		77			22				
19			19		63			21			2	
20			19		64			20			5	
21			19		78			21				
22			19		66			20				
23			19		46			20				
24					71			21				
25			4		74			20				
26					70			20				
27					66			20				
28					42			20				15
29					---			20				
30		1			---			19				
31		---			---		---		---			---
TOTAL	0	1	223	25	1293	418	6	585	0	0	11	16
MEAN	0	0	7	1	46	13	0	19	0	0	0	1
MAX	0	20	44	49	78	56	40	23	0	0	59	76
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	442	50	2565	829	13	1161	0	0	21	31

WTR YR 1995 TOTAL 2577 MEAN 7 MAX 78 MIN 0 AC_FT 5112

Revisions to Water Year 1995 data due to errors discovered in rating for the temporary construction dam after event of 9/28/95. Important because this had been reported as the maximum flow event for WY 95. With revision this peak was approximately the same as events in Feb. of 1995.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4803 **Name:** Dreamy Draw Dam
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows occurred on following days during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	9	Nov. 7	7
Feb. 1	49	July 16	17

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		1			2							
2		2										
7		1										
TOTAL	0	2	0	0	2	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	9	0	0	49	0	0	0	0	17	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	4	0	0	4	0	0	0	0	1	0	0

WTR YR 1996 TOTAL 5 MEAN 0 MAX 49 MIN 0 AC_FT 9

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4803 **Name:** Dreamy Draw Dam
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1994 to September 1995 -- REVISED

Peak outflows occurred on following days during Water Year 1995:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Jan. 5	4	Aug. 19	80
Aug. 20	27	Sept. 27	127

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
19											2	
20											2	
27												2
28												6
TOTAL	0	0	0	0	0	0	0	0	0	0	4	9
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	4	0	0	0	0	0	0	80	127
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	17

WTR YR 1995 TOTAL 13 MEAN 0 MAX 127 MIN 0 AC_FT 26

Data revised to reflect change in instrument datum on 4/19/95. Rating curve shifted -1.28 feet to correct data from 4/19/95 to 9/30/95.

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4808 **Name:** ACDC @ 36 St

Period of Record: 02/24/94 to current year

Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	9	Nov. 6	2
Feb. 1	2	Feb. 25	3
Mar. 14	2	July 7	1
July 16	2	July 25	6
Sept. 2	3		

Daily Mean Values

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

WTR YR 1996 TOTAL 9 MEAN 0 MAX 9 MIN 0 AC_FT 17

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4813 **Name:** ACDC @ 14 St

Period of Record: 02/09/94 to current year

Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Oct. 8	26	Nov. 1	27
Feb. 1	31	Apr. 13	19*
July 7	24	July 9	29
July 10	45	July 25	50
Aug. 29	10	Sept. 2	13

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7	4			4							
2	4	3										1
3												
4												
5												
6												
7										4		
8	8											
9										7		
10										8		
11												
12												
13							4					
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25										4		
26										7		
27												
28												
29											1	
30					---						4	
31		---			---		---		---			---
TOTAL	19	7	0	0	4	0	4	0	0	29	5	1
MEAN	1	0	0	0	0	0	0	0	0	1	0	0
MAX	26	27	0	0	31	0	19	0	0	50	10	13
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	37	14	0	0	8	0	7	0	0	58	9	2

WTR YR 1996 TOTAL 68 MEAN 0 MAX 50 MIN 0 AC_FT 135

Note: Flows on Oct. 1 and 2 on recession limb of flow from 9/28/95.

* Dry weather flow.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4823 **Name:** ACDC @ 43 Av

Period of Record: 12/17/91 to current year

Discharge, in cfs, Water Year October 1995 to September 1996

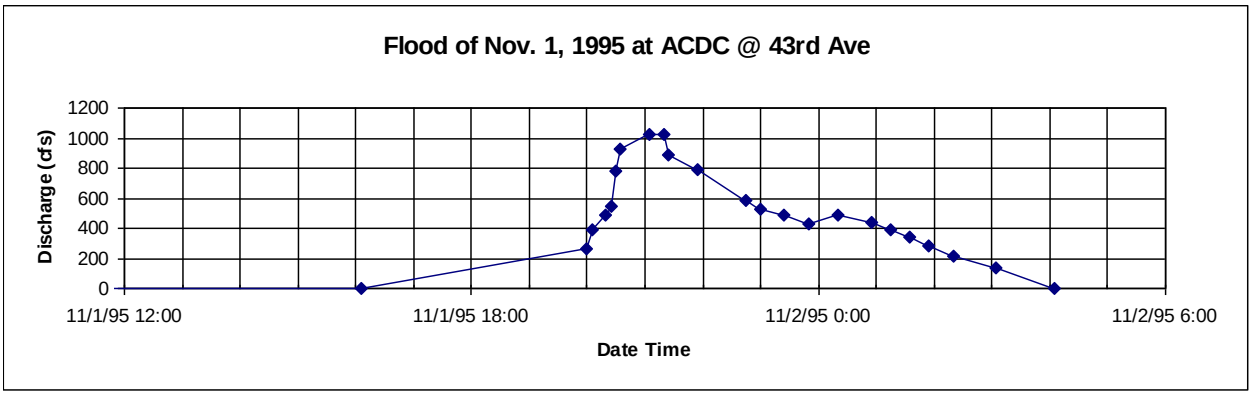
Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	1,028	Feb. 1	561
July 14	464	July 25	752
Aug. 14	464	Aug. 29	218
Sept. 6	218	Sept. 11	612

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		118			74							
2		52			29							
6												13
11												158
14										22	24	
15										85		
25										53		
26										6		
29											10	
30					---						1	
TOTAL	0	169	0	0	103	0	0	0	0	167	35	171
MEAN	0	6	0	0	4	0	0	0	0	5	1	6
MAX	0	1028	0	0	561	0	0	0	0	752	464	612
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	336	0	0	205	0	0	0	0	331	70	339

WTR YR 1996 TOTAL 645 MEAN 2 MAX 1028 MIN 0 AC_FT 1280



Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4833 **Name:** Cave Creek @ Cactus
Period of Record: 06/21/91 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	473	Nov. 6	17
Feb. 1	172	Feb. 26	49
Mar. 14	7	July 16	238
July 26	82	Aug. 15	161
Aug. 30	33	Sept. 2	83
Sept. 7	84	Sept. 11	184
Sept. 13	119		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69*	35			42							
2	6*	231			72							45
3		195			7							40
4		73										7
5		17										1
6		11										1
7		5										43
8		1										30
9												7
10												23
11												109
12												65
13												101
14						2				4	14	87
15						1				185	127	46
16										180	24	26
17										132		14
18										61		7
19										30		
20										11		
21										1		
22												
23												
24												
25										1		
26					30					67		
27					4					35		
28										16		
29										7		
30					---					3	18	
31		---			---		---		---		1	---
TOTAL	75	567	0	0	155	3	0	0	0	733	184	653
MEAN	2	19	0	0	5	0	0	0	0	24	6	22
MAX	134	473	0	0	172	7	0	0	0	238	161	184
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	149	1125	0	0	307	6	0	0	0	1454	364	1295

WTR YR 1996 TOTAL 2370 MEAN 6 MAX 473 MIN 0 AC_FT 4701

Note: Receeding limbs of hydrographs greatly affected by clogging of the outlet orifice. Therefore, low flows for falling hydrographs may be unrealistically high. See downstream stations 4823 and 5523 for a better representation of the falling limbs.

* Flows on Oct. 1 and 2 from recession limb of event of 9/28/95.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4903 **Name:** Cave Buttes Outlet
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 2	171	Aug. 15	197
July 15	163	Sept. 2	132
Sept. 7	140	Sept. 11	47

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		17										
2		162										45
3		18										
4												
5												
6												1
7												46
8												
9												
10												
11												17
12												13
13												28
14										6	21	
15										99	93	
16										19		
17										6		
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	197	0	0	0	0	0	0	0	131	114	150
MEAN	0	7	0	0	0	0	0	0	0	4	4	5
MAX	0	171	0	0	0	0	0	0	0	163	197	140
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	391	0	0	0	0	0	0	0	260	226	298

WTR YR 1996 TOTAL 592 MEAN 2 MAX 197 MIN 0 AC_FT 1175

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4918 **Name:** Cave Cr nr Cave Cr
Period of Record: USGS ID# 09512300 -- 05/17/58 to 09/30/67;
1968-1994 (annual peaks only)
FCDMC -- 05/27/94 to current year

Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	254	Sept. 2	147
Aug. 14	291	Sept. 7	332

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		11										
2												29
6												15
7												49
14											25	
15											16	
TOTAL	0	11	0	0	0	0	0	0	0	0	40	93
MEAN	0	0	0	0	0	0	0	0	0	0	1	3
MAX	0	254	0	0	0	0	0	0	0	0	291	332
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	21	0	0	0	0	0	0	0	0	80	185

WTR YR 1996 TOTAL 144 MEAN 0 MAX 332 MIN 0 AC_FT 286

Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	20-year	50-year	100-year
1,510	4,690	8,020	12,200	18,900	24,900

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4923 **Name:** Cave Cr.@ SpurCross

USGS Gage: Cave Creek below Cottonwood Creek, ID# 09512280

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	25-year	50-year	100-year
1,000	3,000	5,000	8,200	12,000	15,800

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5103 **Name:** Centennial Railroad

USGS Gage: Centennial Wash at SPRR, near Arlington, ID# 09517490

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5113 **Name:** Saddleback FRS
Period of Record: 12/16/88 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No outflows except on following day during Water Year 1996:

Day	Peak Discharge (cfs)
July 15	93

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
15										21		
TOTAL	0	0	0	0	0	0	0	0	0	21	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	0	0	0	0	0	0	0	93	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	42	0	0

WTR YR 1996 TOTAL 21 MEAN 0 MAX 93 MIN 0 AC_FT 42

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5128 **Name:** Harquahala FRS
Period of Record: 03/01/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No outflow during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5153 **Name:** Narrows Dam
Period of Record: 09/01/94 to 05/09/96*
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
Nov. 1	83

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		10										
2		24										
TOTAL	0	34	0	0	0	0	0	---	---	---	---	---
MEAN	0	1	0	0	0	0	0	---	---	---	---	---
MAX	0	83	0	0	0	0	0	---	---	---	---	---
MIN	0	0	0	0	0	0	0	---	---	---	---	---
AC_FT	0	68	0	0	0	0	0	---	---	---	---	---

WTR YR 1996 TOTAL 34 MEAN 0 MAX 83 MIN 0 AC_FT 68

* Gage out of service due removal of instrument by irrigation district. This site will be down until a new location is permitted.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5203 **Name:** Buckeye FRS #1
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
July 15	103*

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
15										31		
16										6		
TOTAL	0	0	0	0	0	0	0	0	0	37	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	0	0	0	0	0	0	0	103*	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	74	0	0

WTR YR 1996 TOTAL 37 MEAN 0 MAX 103* MIN 0 AC_FT 74

* Maximum from high water marks observed on morning of 07/15/1996.

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5208 **Name:** Buckeye FRS #2
Period of Record: 11/11/92 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
Aug. 29	11
Sept. 5	14

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	0	0	0	1	4	0	0	0	0	2	2
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	2	1	3	0	0	0	0	11	14
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	1	8	0	0	0	0	3	4

WTR YR 1996 TOTAL 8 MEAN 0 MAX 14 MIN 0 AC_FT 16

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5223 **Name:** Hassy nr Morristown

USGS Gage: Hassayampa River near Morristown, ID# 09516500

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	20-year	50-year	100-year
2,820	9,850	17,700	27,800	44,600	59,900

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5228 **Name:** Hassayampa @ US 60
Period of Record: 03/14/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

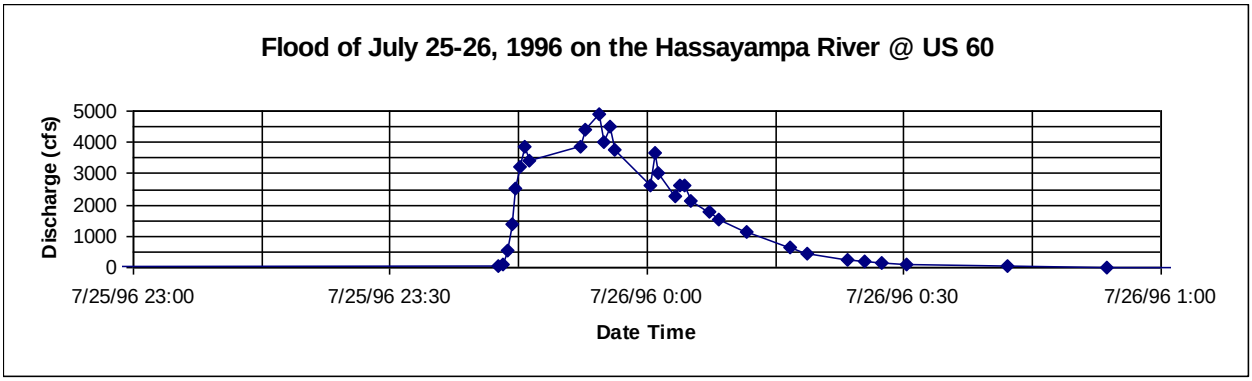
Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
July 24	4,923	Sept. 10	112

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
10												4
11												2
25										40		
26										27		
TOTAL	0	0	0	0	0	0	0	0	0	68	0	5
MEAN	0	0	0	0	0	0	0	0	0	2	0	0
MAX	0	0	0	0	0	0	0	0	0	4923	1	112
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	134	1	11

WTR YR 1996 TOTAL 73 MEAN 0 MAX 4923 MIN 0 AC_FT 146

Note: This gage location is a wide mobile sand bed channel. Therefore, data reliability is considered poor. See also gage 5308 upstream and USGS gage Hassayampa River near Morristown, 09516500, downstream for additional data. However, annual peak for 1996 considered fair due to observations of minimal bed change after July event.



Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5233 **Name:** Sunset FRS
Period of Record: 02/12/89 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996 assumming outlet gate fully open:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	12	July 26	11
Feb. 26	10	July 28	14
Mar. 14	12	Sept. 5	11
Sept. 11	23		

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	34	0	0	17	49	0	0	0	67	17	278
MEAN	0	1	0	0	1	2	0	0	0	2	1	9
MAX	0	12	0	0	10	12	0	0	0	14	9	23
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	67	0	0	33	97	0	0	0	132	34	552

WTR YR 1996 TOTAL 461 MEAN 1 MAX 23 MIN 0 AC_FT 915

Note: Outflow based on assumption that the outlet gate is fully open. See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5248 **Name:** Sunnycove FRS
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996 assumming outlet gate fully open:

Day	Peak Discharge (cfs)
Sept. 11	29

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	0	0	0	0	0	0	0	0	0	0	282
MEAN	0	0	0	0	0	0	0	0	0	0	0	9
MAX	0	0	0	0	0	0	0	0	0	0	0	29
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	0	560

WTR YR 1996 TOTAL 282 MEAN 1 MAX 29 MIN 0 AC_FT 560

Note: Outflow based on assumption that the outlet gate is fully open. See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5283 **Name:** Hassayampa R @ I-10
Period of Record: 11/09/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Note: This location has a mobile sand bed with multiple channels. Therefore, data reliability should be considered poor. For example, for the event of July 15, outflows from Buckeye FRS #1 missed the gage. See also USGS gage Hassayampa River near Arlington, 09517000, for additional data.

Flood Flow Frequency				
Magnitude and Probability of Instantaneous Peak Flow				
Discharge, in cfs, for Indicated Recurrence Interval				
5-year	10-year	25-year	50-year	100-year
7,500	13,000	23,500	34,500	49,300

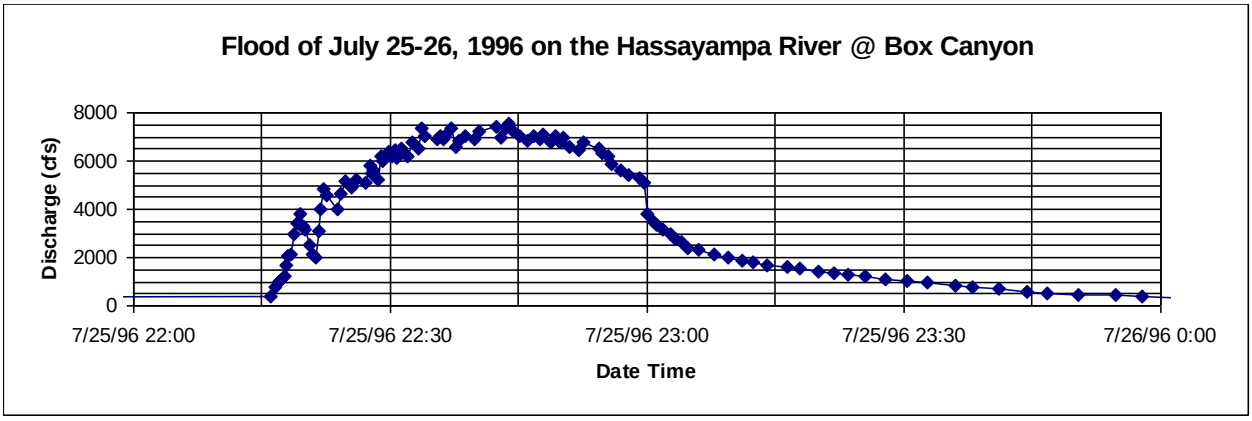
Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5308 **Name:** Hassy @ Box Canyon
Period of Record: USGS ID# 09515500 -- 1925, 1927, 1937, 1938 (annual peaks only); 1946-1982; FCDMC -- Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
July 25	7,548	Aug. 19	152
Sept. 5	206		



Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	20-year	50-year	100-year
4,030	12,400	21,600	33,700	54,700	74,800

Continued on following page.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5308 **Name:** Hassy @ Box Canyon (continued)
Period of Record: USGS ID# 09515500 -- 1925, 1927, 1937, 1938 (annual peaks only); 1946-1982; FCDMC -- Nov. 1987 to current year

Discharge, in cfs, Water Year October 1995 to September 1996

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											4	12
2											4	1
3											4	1
4											3	1
5											3	38
6											3	
7											4	3
8											3	
9											4	
10											3	
11											2	
12											3	
13											3	
14											2	
15											3	
16											3	
17											2	
18											2	
19											31	
20											1	
21											1	
22											1	
23											1	
24											1	
25										230	1	
26										23	1	
27										6	1	
28										6	5	
29										6	2	
30					---					6	2	
31		---			---		---		---	5	2	---
TOTAL	0	0	5	8	7	8	8	8	8	287	107	56
MEAN	0	0	0	0	0	0	0	0	0	9	3	2
MAX	0	0	0	0	0	0	0	0	0	7548	152	206
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	10	16	15	16	15	16	15	570	213	112

WTR YR 1996 TOTAL 502 MEAN 1 MAX 7548 MIN 0 AC_FT 996

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5308 **Name:** Hassy @ Box Canyon
Period of Record: USGS ID# 09515500 -- 1925, 1927, 1937, 1938 (annual peaks only); 1946-1982; FCDMC -- Nov. 1987 to current year
Discharge, in cfs, Water Year October 1994 to September 1995 -- REVISED

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					73	248	41					
2					76	244	32					
3					75	234	28					
4					77	225	27					
5				325	66	212	23					
6				57	56	2502	21					
7				22	50	258	18					
8				10	44	233	18					
9				3	37	219	15					
10				2	40	217	12					
11				1	28	258	7					
12				10	26	334	3					
13				24	25	257	3					
14				23	878	247	3					
15				19	4316	235	2					
16				16	119	232	2					
17				15	138	230	6					
18				15	131	221	6					
19				12	129	213	7					
20				9	140	213	9					
21				10	149	203	6					
22				9	159	197	1					
23				9	176	173						
24				7	214	149						
25				8	194	118	1					
26				539	197	102						
27				130	201	86						
28				82	219	72						
29				85	---	65						
30				82	---	55						
31		---		77	---	49	---		---			---
TOTAL	0	0	0	1602	8032	8301	291	0	0	0	0	0
MEAN	0	0	0	52	287	268	10	0	0	0	0	0
MAX	0	0	0	1414	13016	6974	48	0	0	0	0	2
MIN	0	0	0	0	22	40	0	0	0	0	0	0
AC_FT	0	0	0	3177	15932	16466	577	0	0	0	0	0

WTR YR 1995 TOTAL 18227 MEAN 50 MAX 13016 MIN 0 AC_FT 36152

Revisions based upon surveys following the winter 1995 flooding. Comparisons of revised hydrographs using the rating developed from the 1995 survey data to data collected by the USGS at the Morristown gage (09516500) shows strong agreement for all flows subsequent to the large flood on Jan. 8, 1993 (estimated peak at Box Canyon Q = 25,600 cfs).

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5308 **Name:** Hassy @ Box Canyon
Period of Record: USGS ID# 09515500 -- 1925, 1927, 1937, 1938 (annual peaks only); 1946-1982; FCDMC -- Nov. 1987 to current year
Discharge, in cfs, Water Year October 1993 to September 1994 -- REVISED

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		(1)--										
2		---										
3		---										20
4		---										
5		---										
6		---										
7		---										
8		---			21							
9		---			14				(2)--			
10		---							---			
11		---							---			
12		---							---			
13		---							---			
14		---							---			
15		---							---			
16		---							---			
17		---							---			
18		---										
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	35	0	0	0	0	0	0	20
MEAN	0	0	0	0	1	0	0	0	0	0	0	1
MAX	0	0	0	0	66	0	0	0	0	0	0	175
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	70	0	0	0	0	0	0	40

WTR YR 1994 TOTAL 56 MEAN 0 MAX 175 MIN 0 AC_FT 110

(1) Gage out of service 11/1-11/18 due to channel scour.
(2) Gage out of service 6/9-6/17 due to radio difficulties.

Revisions based upon surveys following the winter 1995 flooding. Comparisons of revised hydrographs using the rating developed from the 1995 survey data to data collected by the USGS at the Morristown gage (09516500) shows strong agreement for all flows subsequent to the large flood on Jan. 8, 1993 (estimated peak at Box Canyon Q = 25,600 cfs).

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5353 **Name:** Hassy @ Wagoner Rd
Period of Record: 09/26/91 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
July 14	83
Aug. 18	50
Sept. 5	143

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5												25
6												16
7												24
8												13
14										11		
18											1	
19											2	
TOTAL	0	0	0	0	0	0	0	0	0	11	3	78
MEAN	0	0	0	0	0	0	0	0	0	0	0	3
MAX	0	0	0	0	0	0	0	0	0	83	50	143
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	7	155

WTR YR 1996 TOTAL 93 MEAN 0 MAX 143 MIN 0 AC_FT 184

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5403 **Name:** Agua Fria @ Buckeye
Period of Record: 10/12/88 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow except on following days during Water Year 1996:

Day	Peak Discharge (cfs)
Nov. 2	575
Aug. 15	12
Sept. 11	575

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
2		187										
11												90
15											1	
TOTAL	0	187	0	0	0	0	0	0	0	0	1	90
MEAN	0	6	0	0	0	0	0	0	0	0	0	3
MAX	0	575	0	0	0	0	0	0	0	0	12	575
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	372	0	0	0	0	0	0	0	0	2	179

WTR YR 1996 TOTAL 279 MEAN 1 MAX 575 MIN 0 AC_FT 553

Note: Severe drop due to rocks along the downstream side of the Buckeye Road bridge as well as two channels for lower flows introduce considerable error into the rating for flows less than about 3,500 cfs. The multiple channels also mean some lower flows are missed by the gage.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5408 **Name:** Colter @ El Mirage
Period of Record: 06/29/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow except on following days during Water Year 1996:

Day	Peak Discharge (cfs)
Aug. 14	12
Sept. 11	35

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
11												14
14											1	
TOTAL	0	0	0	0	0	0	0	0	0	0	1	14
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	12	35
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	1	27

WTR YR 1996 TOTAL 14 MEAN 0 MAX 35 MIN 0 AC_FT 28

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5413 **Name:** Dysart Drain @ LAFB
Period of Record: 08/22/96 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
July 15	195*
Aug. 31	25
Sept. 2	195

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	6
2	---	---	---	---	---	---	---	---	---	---	---	13
3	---	---	---	---	---	---	---	---	---	---	---	1
31	---	---	---	---	---	---	---	---	---	---	2	---
TOTAL	---	---	---	---	---	---	---	---	---	---	2	19
MEAN	---	---	---	---	---	---	---	---	---	---	0	1
MAX	---	---	---	---	---	---	---	---	---	---	25	195
MIN	---	---	---	---	---	---	---	---	---	---	0	0
AC_FT	---	---	---	---	---	---	---	---	---	---	4	39

WTR YR 1996 TOTAL 21 MEAN 0 MAX 195 MIN 0 AC_FT 42

Note: Gage installed and began operation on 08/22/1996.

* Peak estimated using Manning's equation with data from survey of channel and high water marks before installation of gage.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5418 **Name:** White Tanks #3 FRS
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No outflow during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5438 **Name:** McMicken Floodway
Period of Record: 09/03/92 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
July 15	53
Aug. 18	7

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
14										2		
15										12		
18											1	
TOTAL	0	0	0	0	0	0	0	0	0	14	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	53	7	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	28	2	0

WTR YR 1996 TOTAL 15 MEAN 0 MAX 53 MIN 0 AC_FT 30

Note: Flows during water year 1996 generated below McMicken Dam. No outflow occurred from McMicken Dam into the floodway during water year 1996. See gage ID# 5448.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5448 **Name:** McMicken Dam
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No outflow during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5503 **Name:** Agua Fria @ Grand

USGS Gage: Agua Fria at El Mirage, ID# 09513650

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5508 **Name:** NewRiver @ Glendale

USGS Gage: New River near Glendale, AZ, ID# 09513910

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Control District Of Maricopa County ALERT System

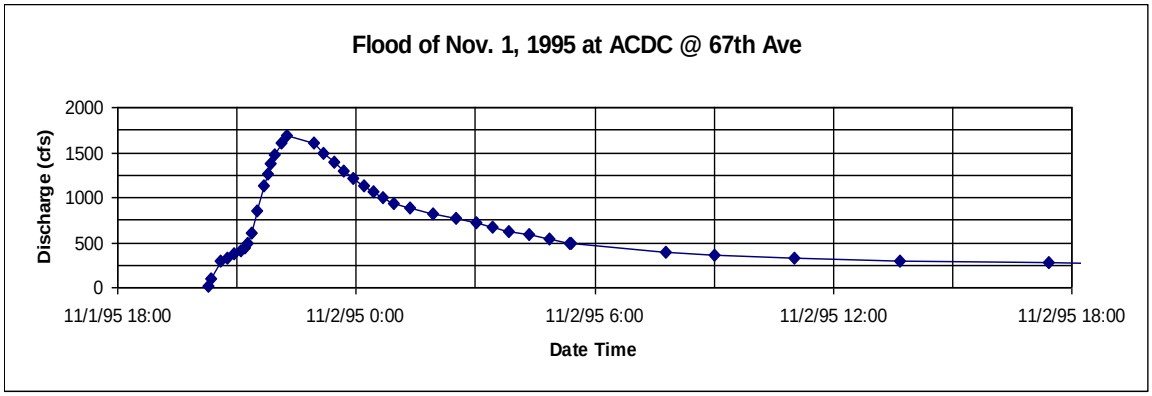
Computation Of Continuous Records Of Streamflow

Station Number: 5523 **Name:** ACDC @ 67 Av
Period of Record: 06/07/90 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	1,692*	July 15	697
Feb. 2	604	Aug. 15	604
Mar. 14	196	Sept. 11	895

* Maximum for period of record.



Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	25-year	50-year	100-year
1,900	4,500	7,700	13,500	20,600	29,000

Continued on following page.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5523 **Name:** ACDC @ 67 Av (continued)
Period of Record: 06/07/90 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	177	12	11	122	3					6	22
2	33	433	13	11	159	2					8	24
3	14	210	12	11	30						5	31
4	11	78	13	11	11							22
5	10	33	12	11	8	1						10
6	9	32	12	11	4							49
7	8	20	12	10	7					7		118
8	9	14	12	10	7					3		32
9	13	13	12	10	2					121		15
10	13	13	12	10	5					25		11
11	13	13	12	11	4					6		368
12	13	12	11	10	1					22		89
13	13	12	11	10	4	5	4					39
14	13	13	11	10		83	5			9	98	26
15	13	13	12	10		18				304	144	20
16	13	13	12	10		1				103	103	17
17	13	13	11	10	1					79	20	15
18	13	13	11	10	1					5	1	13
19	13	13	12	10								11
20	13	13	13	10								8
21	12	13	13	10	1							2
22	13	12	12	10								1
23	13	12	12	10	3							
24	12	13	12	10								
25	11	12	12	10						27		
26	11	12	12	10	73					195		
27	11	12	12	10	19					30		
28	11	12	12	10	5					20		
29	11	12	11	10						14		
30	11	12	11	10	---					8	123	
31	11	---	11	10	---		---		---	1	36	---
TOTAL	473	1271	370	320	468	112	10	0	0	978	544	942
MEAN	15	42	12	10	16	4	0	0	0	32	18	31
MAX	152	1692*	13	11	604	196	18	0	2	697	604	895
MIN	8	11	11	9	0	0	0	0	0	0	0	0
AC_FT	937	2521	733	635	928	223	20	0	0	1940	1080	1869

WTR YR 1996 TOTAL 5488 MEAN 15 MAX 1692* MIN 0 AC_FT 10886

* Maximum for period of record.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5523 **Name:** ACDC @ 67 Av

Period of Record: 06/07/90 to current year

Discharge, in cfs, Water Year October 1993 to September 1994 -- REVISED

Peak flows of interest during Water Year 1994:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Oct. 6	1,380	Nov. 15	519
Sept. 2	1,626		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1											137
3	1											150
4						1						39
5												67
6	317											20
7	274				4	26					3	13
8	165				43	29					3	9
9	108				13	1					1	3
10	27										1	
11	7	8						13				5
12		1						7			3	14
13		48										44
14		106										74
15		278										17
16	2	189										11
17	23	72										9
18	13	13								19		3
19						6				16		
20						33				1		
21												15
22												13
23												
24								1				
25				5		20		32				
26						104		3				
27						11	13					
28						1	1		2	3		
29					---	2			2	26		
30					---	3				1		
31		---		1	---	1	---		---			---
TOTAL	939	715	0	6	60	240	14	55	5	67	11	643
MEAN	30	24	0	0	2	8	0	2	0	2	0	21
MAX	1380	519	0	14	72	257	22	90	13	70	12	1626
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	1862	1418	0	12	119	476	28	110	10	133	23	1275

WTR YR 1994 TOTAL 2755 MEAN 8 MAX 1626 MIN 0 AC_FT 5465

Revisions to Water Year 1994 and 1995 data based upon reevaluation of instrument installation level in May 1992. Base value of the pressure transducer found to be 0.2 feet lower than previously indicated.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5523 **Name:** ACDC @ 67 Av
Period of Record: 06/07/90 to current year
Discharge, in cfs, Water Year October 1994 to September 1995 -- REVISED

Peak flows of interest during Water Year 1995:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Jan. 5	499	Mar. 6	407
Aug. 21	1,062	Sept. 28	1,520

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			7	7	8	6	12	10	11	15	11	14
2			7	5	5	9	13	10	11	15	13	13
3			7	6	4	7	13	9	13	15	14	13
4			7	21	3	8	13	8	13	14	14	13
5			21	260	3	9	13	6	13	14	14	13
6			88	206	2	212	13	3	13	14	14	13
7			14	253		190	12	2	13	14	14	22
8			10	235		241	11	1	14	14	15	14
9			5	204		179	11	7	13	14	15	13
10			3	159		45	10	8	13	13	15	13
11			3	55		27	11	7	13	13	15	12
12		2	6	29		148	11	4	14	14	25	11
13			4	16	2	197	13	1	14	17	18	11
14			4	12	8	115	12		13	14	15	10
15	84		5	10	5	31	12		14	15	86	10
16	64		4	8	162	18	12		14	20	32	10
17	29		4	16	235	13	19	4	15	15	24	10
18	7		4	10	247	13	17	4	15	15	21	10
19			3	8	225	12	17	5	14	15	21	10
20			3	8	162	11	19	8	14	15	187	10
21			3	7	68	12	17	8	13	15	353	10
22			6	6	31	12	15	8	13	15	63	10
23			104	2	19	11	13	9	13	15	42	10
24			59	2	8	11	13	9	13	15	34	9
25			42	8		11	13	10	14	14	24	9
26			220	22		10	13	9	14	12	22	10
27			37	89		10	12	10	14	12	20	10
28		3	16	200	3	11	10	10	14	11	19	453
29		7	12	179	---	11	8	10	15	11	18	332
30		8	16	73	---	11	8	10	15	11	16	223
31		---	8	20	---	11	---	10	---	11	15	---
TOTAL	184	20	736	2138	1203	1612	383	202	406	439	1209	1320
MEAN	6	1	24	69	43	52	13	7	14	14	39	44
MAX	213	8	313	499	257	407	20	10	15	25	1062	1520
MIN	0	0	2	2	0	2	7	0	11	10	11	9
AC_FT	365	39	1460	4240	2386	3197	759	401	805	871	2398	2618

WTR YR 1995 TOTAL 9851 MEAN 27 MAX 1520 MIN 0 AC_FT 19539

Note: Low flows at this location have been influenced by backwater effects from a periodically reconstructed rockpile footbridge across the low flow channel downstream. Flows below 100 cfs are therefore potentially overestimated.

Revisions to Water Year 1994 and 1995 data based upon reevaluation of instrument installation level in May 1992. Base value of the pressure transducer found to be 0.2 feet lower than previously indicated.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5538 **Name:** Adobe Dam Outlet
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
Nov. 2	77
Aug. 15	62
Sept. 6	10

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		2										
2		31										
3		9										
4		1										
15											26	
16											2	
TOTAL	0	43	0	0	0	0	0	0	0	0	28	0
MEAN	0	1	0	0	0	0	0	0	0	0	1	0
MAX	0	77	0	0	0	0	0	0	0	0	62	10
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	86	0	0	0	0	0	0	0	0	55	1

WTR YR 1996 TOTAL 71 MEAN 0 MAX 77 MIN 0 AC_FT 141

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5543 **Name:** Scatter Wash
Period of Record: 09/18/96 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow since installation

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	---	---	---	---	---	---	---	---	---	---	---	0
MEAN	---	---	---	---	---	---	---	---	---	---	---	0
MAX	---	---	---	---	---	---	---	---	---	---	---	210*
MIN	---	---	---	---	---	---	---	---	---	---	---	0
AC_FT	---	---	---	---	---	---	---	---	---	---	---	0

WTR YR 1996 TOTAL 0 MEAN 0 MAX 210* MIN 0 AC_FT 0

Note: Gage installed on 09/18/1996.

* Maximum from high water observed on 9/11/96 during gage installation preparation.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5568 **Name:** Skunk Creek @ I-17

USGS Gage: Skunk Creek near Phoenix, AZ, ID# 09513860

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	25-year	50-year	100-year
1,000	6,500	8,000	13,000	18,000	25,000

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5583 **Name:** Skunk Cr. nr New R.
Period of Record: 06/21/95 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
Feb. 26	2
Sept. 10	18

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
10												1
26					1							
27					2							
TOTAL	0	0	0	0	3	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	2	0	0	0	0	0	0	18
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	6	0	0	0	0	0	0	3

WTR YR 1996 TOTAL 4 MEAN 0 MAX 18 MIN 0 AC_FT 9

Flood Flow Frequency		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
1,730	2,500	3,650

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5598 **Name:** New River @ Bell
Period of Record: 04/04/90 to current year*
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
Aug. 14	41
Sept. 6	64

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
6												1
14											1	
TOTAL	0	0	0	0	0	0	0	0	0	0	1	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	41	64
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	1	2

WTR YR 1996 TOTAL 2 MEAN 0 MAX 64 MIN 0 AC_FT 3

* USGS period of record: water years 1963, 1965-67 (annual maximums only), 1968-1984, June 1990-Sept. 1993. Also, FCDMC gage out from 10/01/93 to 05/12/94 during construction of new bridge.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5598 **Name:** New River @ Bell

Period of Record: 04/04/90 to current year*

Discharge, in cfs, Water Year October 1994 to September 1995 -- REVISED

Peak flows of interest during Water Year 1995:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Jan. 6	1,461	Feb. 16	1,369

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5				580								
6				1138		65						
7				519		320						
8				214		136						
9				65		38						
10				7		2						
11												
12						229						
13						376						
14						188						
15					775	53						
16					1072							
17					484							
18					180							
19					81							
20					21							
21												
22												
23												
24												
25												
26				284								
27				712								
28				426								
29				185	---							
30				47	---							
31		---		27	---		---		---			---
TOTAL	0	0	0	4204	2613	1406	0	0	0	0	0	0
MEAN	0	0	0	136	93	45	0	0	0	0	0	0
MAX	0	0	0	1461	1369	482	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	8338	5182	2789	0	0	0	0	0	0

WTR YR 1995 TOTAL 8223 MEAN 23 MAX 1461 MIN 0 AC_FT 16310

Water Year 1995 data was revised to compensate for observed draw down of the water surface around the pier on which the pressure transducer was mounted. The pressure transducer was subsequently moved upstream out of the draw down area.

* USGS period of record: water years 1963, 1965-67 (annual maximums only), 1968-1984, June 1990-Sept. 1993. Also, FCDMC gage out from 10/01/93 to 05/12/94 during construction of new bridge.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5613 **Name:** New River Outlet
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6503 **Name:** Guadalupe FRS
Period of Record: 06/29/89 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

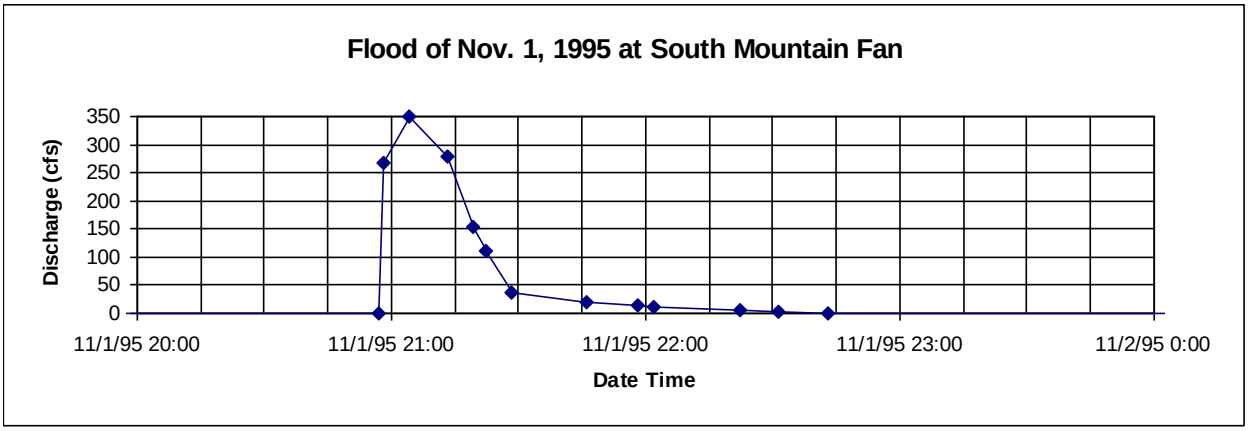
Station Number: 6563 **Name:** South Mountain Fan
Period of Record: 06/09/93 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
Nov. 1	349

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	6	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	349	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	12	0	0	0	0	0	0	0	0	0	0

WTR YR 1996 TOTAL 6 MEAN 0 MAX 349 MIN 0 AC_FT 12



Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	25-year	50-year	100-year
295	720	1,020	1,700	2,210	2,720

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6563 **Name:** South Mountain Fan
Period of Record: 06/09/93 to current year
Discharge, in cfs, Water Year October 1994 to September 1995 -- REVISED

Peak flows of interest during Water Year 1995:

Day	Peak Discharge (cfs)
Sept. 28	121

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	121
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	2

WTR YR 1996 TOTAL 1 MEAN 0 MAX 121 MIN 0 AC_FT 2

Revisions based on newly computed rating curve.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6573 **Name:** EMF @ Broadway
Period of Record: 08/10/89 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

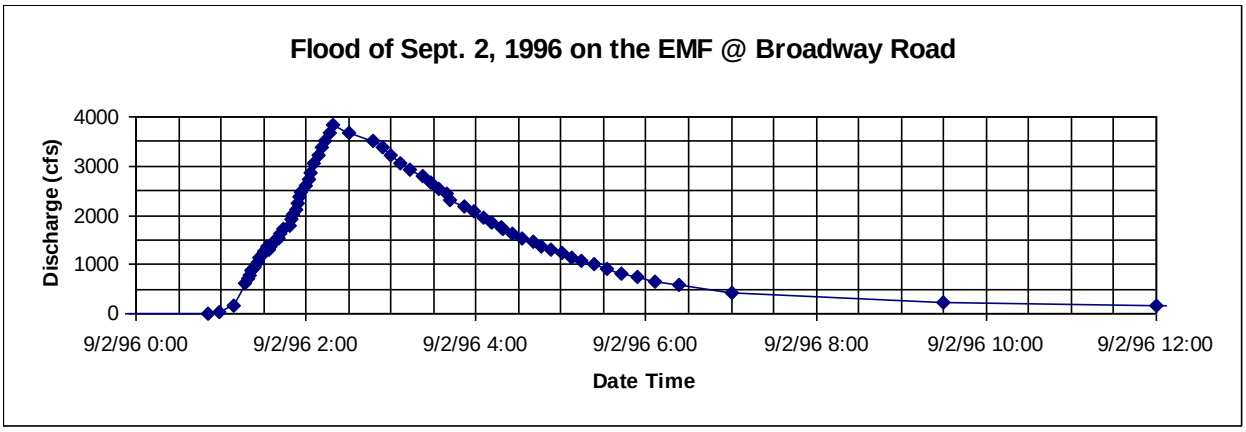
Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
Sept 2	3,837

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
2												565
TOTAL	0	0	0	0	0	0	0	0	0	0	0	565
MEAN	0	0	0	0	0	0	0	0	0	0	0	19
MAX	0	0	0	0	0	0	0	0	0	0	0	3837
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	1121

WTR YR 1996 TOTAL 565 MEAN 2 MAX 3837 MIN 0 AC_FT 1121



Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6583 **Name:** EMF @ Queen Creek
Period of Record: 01/18/89 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

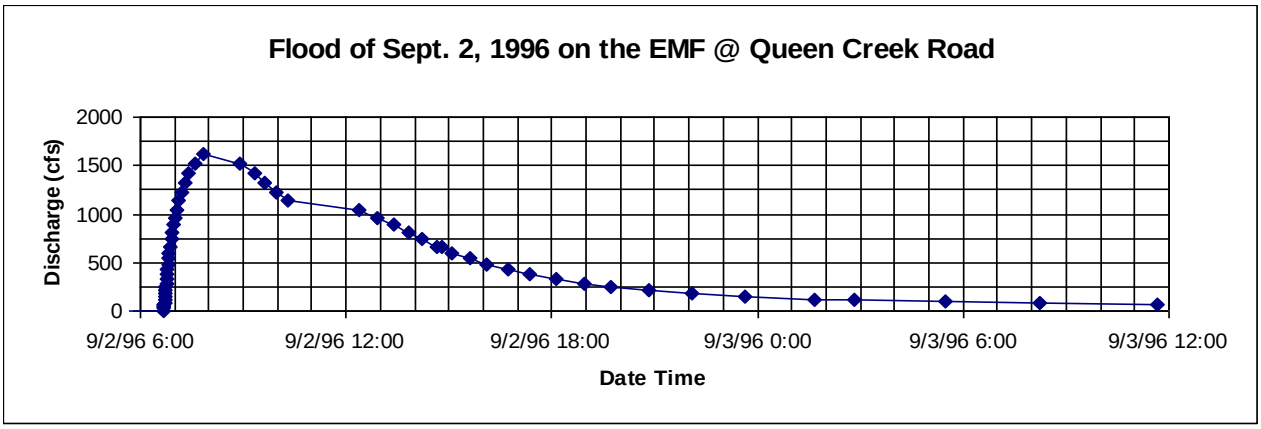
Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Feb. 3	80	Sept. 2	1,613
Sept. 14	155		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2					19							516
3					78							100
4					55							76
5					21							60
6												49
7												38
8												30
9												22
10												16
11												9
12												13
13												36
14												100
15												77
16												60
17												45
18												33
19												25
20												26
21												14
22												3
23												1
TOTAL	0	0	0	0	173	0	0	0	0	0	0	1347
MEAN	0	0	0	0	6	0	0	0	0	0	0	45
MAX	0	0	0	0	80	0	0	0	0	0	0	1613
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	344	0	0	0	0	0	0	2673

WTR YR 1996 TOTAL 1521 MEAN 4 MAX 1613 MIN 0 AC_FT 3016


Flood of Sept. 2, 1996 on the EMF @ Queen Creek Road
Discharge (cfs)
2000
1500
1000
500
0
9/2/96 6:00
9/2/96 12:00
9/2/96 18:00
9/3/96 0:00
9/3/96 6:00
9/3/96 12:00
Date Time

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6598 **Name:** EMF @ Arizona Ave.
Period of Record: 02/10/89 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Sept. 2	632	Sept. 15	93

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												142
3												76
4												45
5												32
6												25
7												19
8												12
9												10
10												
11												
12												
13												
14												
15												38
16												40
17												36
18												32
19												31
20												1
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	538
MEAN	0	0	0	0	0	0	0	0	0	0	0	18
MAX	0	0	0	0	0	0	0	0	0	0	0	632
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	1068

WTR YR 1996 TOTAL 538 MEAN 1 MAX 632 MIN 0 AC_FT 1068

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6628 **Name:** Signal Butte FRS
Period of Record: 11/10/87 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No outflow during Water Year 1996.*

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

* No outflow through the principle outlet. However, some impoundment was experienced during Water Year 1996. See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6673 **Name:** Apache Jct. FRS
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Aug. 22	15	Aug. 27	22
Aug. 28	16		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
22											1	
23											1	
27											2	
28											6	
29											2	
30					---						1	
TOTAL	0	0	0	0	0	0	0	0	0	0	13	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	22	0
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	27	0

WTR YR 1996 TOTAL 13 MEAN 0 MAX 22 MIN 0 AC_FT 27

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6683 **Name:** Powerline FRS
Period of Record: 12/03/92 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov.2	7	Feb. 1	9
July 9	8	July 14	13
Aug. 11	6	Aug. 27	9
Sept. 2	18		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					2							
2												14
3												11
4												5
5												3
6												1
7												
8												
9										1		
10												
11											1	1
12												2
13												5
14										1		7
15										1		5
16												3
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27											1	
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	2	0	0	0	0	3	2	58
MEAN	0	0	0	0	0	0	0	0	0	0	0	2
MAX	0	7	0	0	9	0	0	0	0	13	9	18
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	0	0	4	0	0	0	0	6	5	116

WTR YR 1996 TOTAL 66 MEAN 0 MAX 18 MIN 0 AC_FT 131

Note: Outflows from Vineyard FRS backup through the Powerline outlet pipe and record on gage. Therefore, some “outflows” may represent backwater from Vineyard FRS outflows. See data for Station 6688. See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6688 **Name:** Vineyard FRS
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Feb. 1	2	July 15	7
Sept. 2	56	Sept. 14	62

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												46
3												53
4												46
5												33
6												32
7												27
8												18
9												11
10												7
11												5
12												15
13												37
14										1		60
15										5		50
16										3		38
17												26
18												18
19												12
20												7
21												5
22												3
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
TOTAL	0	0	0	0	0	0	0	0	0	9	0	550
MEAN	0	0	0	0	0	0	0	0	0	0	0	18
MAX	0	0	0	0	2	0	0	0	0	7	0	62
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	1	0	0	0	0	18	0	1090

WTR YR 1996 TOTAL 559 MEAN 2 MAX 62 MIN 0 AC_FT 1109

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6703 **Name:** Rittenhouse FRS
Period of Record: 09/27/88 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 2	13	Feb. 1	5
July 9	53	July 26	5
Aug. 8	8	Sept. 2	96
Sept. 5	77	Sept. 11	104*
Sept. 13	84		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					1							
2		2			2							
3												
4												
5												
6												
7												
8												
9										24	1	
10										1		
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26										1		
27												
28												
29												
30					---							
31		---			---		---		---			--
TOTAL	0	2	0	0	3	0	0	0	0	25	2	504

MEAN	0	0	0	0	0	0	0	0	0	1	0	17
MAX	0	13	0	0	5	0	0	0	0	53	8	104*
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	5	0	0	6	0	0	0	0	50	4	999

WTR YR 1996 TOTAL 536 MEAN 1 MAX 104* MIN 0 AC_FT 1063

* Maximum from high water marks surveyed on 9/13/96.

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6713 **Name:** Queen Ck.@ Rittenhouse
Period of Record: 09/14/93 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow above gage during Water Year 1996.
Minimum flow recorded by gage is about 105 cfs at 1.4 ft gage height.

Day	Peak Discharge (cfs)
July 14	65*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	65*	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 1996 TOTAL 0 MEAN 0 MAX 65* MIN 0 AC_FT 0

* Estimated from high water marks below instrument at 1.2 ft gage height. Therefore, no volume (ac-ft) or mean flow data available.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6813 **Name:** Buckeye FRS #3
Period of Record: 11/23/92 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Feb. 1	5	Mar. 14	3
July 14	18	Aug. 14	4
Aug. 29	3	Sept. 4	34
Sept. 5	7		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					1							
4												4
5												1
14						1				1		
15										2		
29											1	
30					---						1	
TOTAL	0	0	0	0	1	1	0	0	0	3	2	5
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	5	3	0	0	0	18	4	34
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	2	1	0	0	0	6	4	10

WTR YR 1996 TOTAL 11 MEAN 0 MAX 34 MIN 0 AC_FT 22

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6823 **Name:** White Tanks #4 FRS
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No outflow during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6853 **Name:** Gila @ Estrella Pky

USGS Gage: Gila River at Estrella Parkway, ID# 09514100

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Flow Frequency				
Magnitude and Probability of Instantaneous Peak Flow				
Discharge, in cfs, for Indicated Recurrence Interval				
5-year	10-year	20-year	50-year	100-year
20,000	50,000	84,000	170,000	217,000

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6893 **Name:** Estrella Fan

Period of Record: 04/30/93 to current year

Discharge, in cfs, Water Year October 1995 to September 1996

No flow during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	25-year	50-year	100-year
278	541	809	1,279	1,607	1,953

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6923 **Name:** Sauceda Wash
Period of Record: 02/28/90 to current year**
Discharge, in cfs, Water Year October 1995 to September 1996

No flow recorded during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

* Possible multiple events missed in July and August due to failure of gage. See also USGS crest stage gage, 09519760, data for this site.

** USGS maintained a crest stage gage at this location from 11/27/63 to 09/30/79. In 1990 a joint USGS/FCDMC continuous station was installed. The USGS continuous station was discontinued 10/01/94. Since Water Year 1995, the continuous station has been operated by FCDMC and the crest stage gage by the USGS.

Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	25-year	50-year	100-year
500	1,800	2,600	4,000	5,800	8,200

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6983 **Name:** Vekol Wash

USGS Gage: Vekol Wash near Stanfield, AZ, ID# 09488650

See *USGS Water-Data Report AZ-96-1* for data for this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7013 **Name:** Martinez Creek
Period of Record: 11/23/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Aug. 27	199	Aug. 29	14
Aug. 30	14	Aug. 31	14
Sept. 5	192	Sept. 7	42
Sept. 8	60	Sept. 9	102
Sept. 10	138	Sept. 13	60

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												3
6												
7												4
8												5
9												9
10												8
11												18
12												
13												1
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27											5	
28											1	
29											1	
30					---						7	
31		---			---		---		---		2	---
TOTAL	0	0	0	0	0	0	0	0	0	0	16	50
MEAN	0	0	0	0	0	0	0	0	0	0	1	2
MAX	0	0	0	0	0	0	0	0	0	0	199	192
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	31	99

WTR YR 1996 TOTAL 66 MEAN 0 MAX 199 MIN 0 AC_FT 130

Note: Flows below 3,000 cfs are considered approximate at best due to multiple channel configuration of Martinez Creek in this area.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7043 **Name:** Sols Wsh nr Matthie
Period of Record: 08/04/95 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)
July 28	119
Sept. 10	79

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
10												4
28										4		
TOTAL	0	0	0	0	0	0	0	0	0	4	0	4
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	119	0	79
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	7	0	8

WTR YR 1996 TOTAL 7 MEAN 0 MAX 119 MIN 0 AC_FT 15

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7063 **Name:** Hartman Wash
Period of Record: 07/06/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow except on following day during Water Year 1996:

Day	Peak Discharge (cfs)
Sept. 11	46

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	46
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	2

WTR YR 1996 TOTAL 1 MEAN 0 MAX 46 MIN 0 AC_FT 2

Note: Gage relocated to upstream right bank of bridge on 1/25/96.

See also USGS crest stage gage, 09515800, data at this location. Period of record for USGS crest gage: Water Years 1964-1979 and 1992 to current year.

Flood Flow Frequency					
Magnitude and Probability of Instantaneous Peak Flow					
Discharge, in cfs, for Indicated Recurrence Interval					
2-year	5-year	10-year	25-year	50-year	100-year
220	1,100	1,800	3,900	4,400	6,600

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7063 **Name:** Hartman Wash
Period of Record: 07/06/94 to current year
Discharge, in cfs, Water Year October 1994 to September 1995 -- REVISED

No flow except on following day during Water Year 1995:

Day	Peak Discharge (cfs)
Aug. 14	779*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	779*	0
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	6**	0

WTR YR 1995 TOTAL 3 MEAN 0 MAX 779* MIN 0 AC_FT 6****

* Maximum from USGS crest stage gage as reported in *Water Data Report -AZ-95-1*

** Total of daily means and ac-ft for Aug. and Water Year 1995 underestimated since they are derived from the hydrograph collected by the ALERT instrument. The peak of this hydrograph was much lower than that estimated at the USGS crest stage gage.

See also USGS crest stage gage, 09515800, data at this location. Period of record for USGS crest gage: Water Years 1964-1979 and 1992 to current year.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7083 **Name:** Flying E Wash
Period of Record: 07/12/94 to present year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak flows of interest during Water Year 1996:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Nov. 1	26	July 28	10
Sept. 11	297*		

Daily Mean Values

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		1										
5												2
10												4
11												6
28										3		
TOTAL	0	1	0	0	0	0	0	0	0	3	0	11
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	26	0	0	0	0	0	0	0	10	9	297*
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	2	0	0	0	0	0	0	0	5	0	22

WTR YR 1996 TOTAL 15 MEAN 0 MAX 297* MIN 0 AC_FT 30

* Estimated from high water marks at the gage.

Flood Flow Frequency		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
1,000	4,500	6,500

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7083 **Name:** Flying E Wash
Period of Record: 07/12/94 to present year
Discharge, in cfs, Water Year October 1994 to September 1995 -- REVISED

Peak flows of interest during Water Year 1995:

Day	Peak Discharge (cfs)	Day	Peak Discharge (cfs)
Jan. 25	55	Feb. 14	119
Aug. 15	41		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4				3								
5				5								
6												
7												
8												
9												
10												
11												
12												
13												
14					6							
15					2						6	
16												
17												
18												
19												
20												
21												
22												
23												
24												
25			3	4								
26				7								
27				1								
28												
29					---							
30					---							
31		---			---		---		---			---
TOTAL	0	0	3	19	9	0	0	0	0	0	6	0
MEAN	0	0	0	1	0	0	0	0	0	0	0	0
MAX	0	0	12	55	119	0	0	0	0	0	41	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	5	38	18	0	0	0	0	0	13	0

WTR YR 1995 TOTAL 37 MEAN 0 MAX 119 MIN 0 AC_FT 74

Revisions due to reevaluation of instrument base value. Instrument diaphragm found 0.1 feet higher than previously believed.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7083 **Name:** Flying E Wash
Period of Record: 07/12/94 to present year
Discharge, in cfs, Water Year October 1993 to September 1994 -- REVISED

Peak flows of interest during Water Year 1994:

Day	Peak Discharge (cfs)
Sept. 20	51

Daily Mean Values

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

WTR YR 1994 TOTAL 8 MEAN 0 MAX 51 MIN 0 AC_FT 16

(1) Gage installed and began operation on 7/12/1994.

Revisions due to reevaluation of elevation of instrument. Instrument diaphragm found to be 0.1 feet higher than previously believed.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7093 **Name:** Casandro Wash
Period of Record: 07/12/94 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No flow except on following day during Water Year 1996:

Day	Peak Discharge (cfs)
Sept. 10	35

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	35
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	2

WTR YR 1996 TOTAL 1 MEAN 0 MAX 35 MIN 0 AC_FT 2

Flood Flow Frequency		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
50	500	800

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7113 **Name:** Powder House Wash
Period of Record: 05/18/95 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

No significant flow during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC_FT 0

* Flow occured during event of 9/11/96. However, water did not reach the instrument due to the very small magnitude of the flow (< 5 cfs).

Flood Flow Frequency		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
300	1,300	1,900

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7133 **Name:** Casandro Dam
Period of Record: 08/15/96 to current year
Discharge, in cfs, Water Year October 1995 to September 1996

Peak outflow occurred on the following day during Water Year 1996:

Day	Peak Discharge (cfs)
Sept. 11	15

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	---	---	---	---	---	---	---	---	---	---	0	12
MEAN	---	---	---	---	---	---	---	---	---	---	0	0
MAX	---	---	---	---	---	---	---	---	---	---	0	15
MIN	---	---	---	---	---	---	---	---	---	---	0	0
AC_FT	---	---	---	---	---	---	---	---	---	---	0	23

WTR YR 1996 TOTAL 12 MEAN 0 MAX 15 MIN 0 AC_FT 23

Note: Gage installed and began operation on 08/15/1996.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 4563 **Name:** Spookhill FRS
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)
Sept. 2	5.6

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2	0.6	0.8	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	4.7
3	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	4.7
4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	4.3
5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	3.9
6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	3.6
7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	3.3
8	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	3.1
9	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.9
10	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.7
11	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.6
12	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.7
13	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.6
14	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	2.5
15	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	2.3
16	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.2
17	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.1
18	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
19	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
20	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
21	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
22	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.6
23	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
24	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0
25	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8
26	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
27	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
28	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6
29	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
30	0.6	0.6	0.6	0.6	---	0.6	0.6	0.6	0.6	0.6	0.6	0.6
31	0.6	---	0.6	0.6	---	0.6	---	0.6	---	0.6	0.6	---
MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.2
MAX	0.6	0.9	0.6	0.6	1.0	0.6	0.6	0.6	0.6	0.8	0.7	5.6
MIN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

WTR YR 1996 MEAN 0.77 MAX 5.6 MIN 0.6

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 4648 **Name:** E.Fork CC #1
Period of Record: 03/02/94 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Feb. 1	0.95	July 14	1.10
July 25	0.63	Sept. 2	0.20

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	0.9	0.1	0.1	0.1	0.1	1.1	0.1	0.2
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 1996 MEAN 0.10 MAX 1.1 MIN 0.1

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 4658 **Name:** E.Fork CC #4
Period of Record: 01/18/94 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Nov. 1	1.30	Feb. 1	2.72
Feb. 25	1.55	July 9	1.63
July 14	2.03	July 25	1.77
Sept. 2	1.88	Sept. 11	1.88

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.2	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.1	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.4
3	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
4	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
6	0.0	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0
10	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.4
12	0.0	0.0	0.0	0.0	0.1	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	0.3	0.0	0.0	0.0	0.1	0.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.0
16	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
17	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0
18	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0
19	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
21	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0
26	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.0
27	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0
28	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.4	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	0.2	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	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0
MAX	0.0	1.3	0.0	0.9	2.7	0.7	0.0	0.0	0.0	2.0	1.0	1.9
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 1996 MEAN 0.03 MAX 2.7 MIN 0.0

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 4683 **Name:** E.Fork CC #3
Period of Record: 09/13/94 to current year
Depth, in feet, Water Year October 1995 to September 1996

No significant impoundment during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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 1996 MEAN 0.2 MAX 0.2 MIN 0.2

* Flows up to about the 2-year are passed beneath the detention basin via storm drains.

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 4803 **Name:** Dreamy Draw Dam
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Nov. 1	1.12	Nov. 7	1.03
Feb. 1	3.32	July 16	1.66

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	1.1	0.0	0.0	3.3	0.0	0.0	0.0	0.0	1.7	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.00 MAX 3.3 MIN 0.0

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 4803 **Name:** Dreamy Draw Dam
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1994 to September 1995 -- REVISED

Maximum impoundments of interest during Water Year 1995:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Dec. 25	1.15	Dec. 26	1.03
Jan. 5	1.95	Aug. 19	5.03
Aug. 20	2.25	Sept. 27	10.30

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.1	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	0.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
28	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	1.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1995 MEAN 0.01 MAX 10.3 MIN 0.0

Revision to instrument datum did not affect depth of water recorded.

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 4904 **Name:** Cave Buttes Dam
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Nov. 2	12.78	July 15	8.84
Aug. 15	10.87	Sept. 2	6.48
Sept. 7	6.93		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2	2.0	10.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
3	2.0	2.5	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	3.3
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	2.2
14	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.8	2.0
15	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.9	5.5	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	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1
MAX	2.0	12.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	8.8	10.9	6.9
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 1996 MEAN 2.04 MAX 12.8 MIN 2.0

See also Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 4938 **Name:** Reata Pass Dam
Period of Record: 02/25/93 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Aug. 14	1.75	Aug. 29	7.20*
Sept. 11	1.95		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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	0.4	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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	0.6	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	1.5	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	0.2	0.1
MAX	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2*	2.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.02 MAX 7.2* MIN 0.0

Note: Gage readings from 8/29-9/27/1996 suspect due to instrument failure. Therefore, daily mean values also suspect. Also, mean depths for 10/1-2/1995 are from the recession limb of the 9/28/95 event.

* Maximum from observations of high water marks on staff gage.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5113 **Name:** Saddleback FRS
Period of Record: 12/16/88 to current year
Depth, in feet, Water Year October 1995 to September 1996

No impoundments during Water Year 1996 except on the following day:

Day	Maximum Level (ft)
July 15	2.50

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	2.5	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 1996 MEAN 0.30 MAX 2.5 MIN 0.3

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5128 **Name:** Harquahala FRS
Period of Record: 03/01/94 to current year
Depth, in feet, Water Year October 1995 to September 1996

No impoundments during Water Year 1996 except on the following days:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Nov. 1	1.25	Aug. 14	1.25

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
MAX	0.8	1.2	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	0.8
MIN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

WTR YR 1996 MEAN 0.76 MAX 1.2 MIN 0.8

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5203 **Name:** Buckeye FRS #1
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

No impoundment during Water Year 1996 except on following day:

Day	Maximum Level (ft)
July 15	1.5*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.4	-2.5	-2.5
MAX	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	1.5*	-2.5	-2.5
MIN	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5

WTR YR 1996 MEAN -2.48 MAX 1.5* MIN -2.5

Note: Instrument 2.48 ft below gage datum at invert elevation of principle outlet which is located in a depressed drop box type inlet structure. Gage datum of 0.0 feet is taken to be the point at the top of the drop box which is level with the ground around the inlet structure. See also Surface Water Streamflow and Storage Volume Data.

* Maximum from high water marks observed on morning of 07/15/1996.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5208 **Name:** Buckeye FRS #2
Period of Record: 11/11/92 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Aug. 29	-0.31	Sept. 5	-0.09

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	-1.3	-1.4	-1.2	-1.4	-1.4	-1.4	-1.4	-0.3	-0.1
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 1996 MEAN -1.39 MAX -0.1 MIN -1.4

Note: Instrument 1.39 ft below gage datum at invert elevation of principle outlet which is located in a depressed drop box type inlet structure. Gage datum of 0.0 feet is taken to be the point at the top of the drop box which is level with the ground around the inlet structure. See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5233 **Name:** Sunset FRS
Period of Record: 02/12/89 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Mar. 14	2.08	July 28	2.58
Sept. 11	7.20		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.7	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.2	0.7
2	0.7	1.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.7
3	0.7	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
4	0.7	1.1	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.2
6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
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	0.8
11	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	6.2
12	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	6.5
13	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	6.5
14	0.7	0.7	0.7	0.7	0.7	1.8	0.7	0.7	0.7	0.7	0.7	6.5
15	0.7	0.7	0.7	0.7	0.7	1.6	0.7	0.7	0.7	0.7	0.7	6.5
16	0.7	0.7	0.7	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	5.4
17	0.7	0.7	0.7	0.7	0.7	1.2	0.7	0.7	0.7	0.7	0.7	4.2
18	0.7	0.7	0.7	0.7	0.7	0.9	0.7	0.7	0.7	0.7	0.7	4.2
19	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	4.2
20	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	4.2
21	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	4.2
22	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	4.2
23	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	4.2
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.5
25	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7
26	0.7	0.7	0.7	0.7	0.9	0.7	0.7	0.7	0.7	1.4	0.7	0.7
27	0.7	0.7	0.7	0.7	1.1	0.7	0.7	0.7	0.7	1.2	0.7	0.7
28	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	2.4	0.7	0.7
29	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	0.7	0.7
30	0.7	0.7	0.7	0.7	---	0.7	0.7	0.7	0.7	1.6	0.7	0.7
31	0.7	---	0.7	0.7	---	0.7	---	0.7	---	1.4	0.7	---
MEAN	0.7	0.8	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.9	0.7	2.7
MAX	0.7	1.9	0.7	0.7	1.3	2.1	0.7	0.7	0.7	2.6	1.2	7.2
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 1996 MEAN 0.90 MAX 7.2 MIN 0.7

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5248 **Name:** Sunnycove FRS
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundment of interest during Water Year 1996:

Day	Maximum Level (ft)
Sept. 11	7.13

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	5.7
12	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	5.0
13	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	4.8
14	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	4.8
15	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	4.6
16	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
17	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
18	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
19	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
20	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
21	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
22	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
23	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
24	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	1.5	1.5	1.5	1.5	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	1.5	---	1.5	1.5	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	1.5	1.5	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.1
MAX	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	7.1
MIN	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.66 MAX 7.1 MIN 0.0

Note: Instrument moved and gage datum redefined on 2/16/1996.

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5418 **Name:** White Tanks #3 FRS
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

No impoundment above gage during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.00 MAX 0.0 MIN 0.0

* Significant storage volume exists below the instrument level due to the borrow pits behind the dam. The storage volume behind the dam at the instrument level is 74 acre-feet.

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5448 **Name:** McMicken Dam
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

No significant impoundment during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.00 MAX 0.0 MIN 0.0

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5539 **Name:** Adobe Dam
Period of Record: Nov. 1987 to present
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Nov. 2	1.76	Aug. 15	1.95

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.01 MAX 2.0 MIN 0.0

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5614 **Name:** New River Dam
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

No significant impoundment during Water Year 1996.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
MAX	2.9	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 1996 MEAN 2.9 MAX 2.9 MIN 2.9

See also Surface Water Streamflow and Storage Volume Data.

Flood Elevation Frequency					
Magnitude and Probability of Elevation of Impoundment					
Elevation, in gage height (ft), for Indicated Recurrence Interval					
2-year	5-year	10-year	25-year	50-year	100-year
7.4	12.4	31	40	46.9	53.9

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6503 **Name:** Guadalupe FRS
Period of Record: 06/29/89 to current year
Depth, in feet, Water Year October 1995 to September 1996

No significant impoundment during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.00 MAX 0.0 MIN 0.0

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6608 **Name:** Freestone Basin
Period of Record: 12/19/96 to current year
Depth, in feet, Water Year October 1995 to September 1996

Rainfall produced impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
July 11	5.07	Aug. 29	5.82
Sept. 2	6.40		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.1	1.2	0.1	0.7	0.8	0.8	1.5	4.1	4.2
2	---	---	---	0.1	1.0	0.1	0.8	1.0	0.9	2.9	2.3	6.0
3	---	---	---	0.0	0.2	0.1	0.8	1.0	0.9	3.4	2.9	5.1
4	---	---	---	0.0	0.7	0.1	0.8	1.0	0.9	3.6	3.5	2.6
5	---	---	---	0.0	0.3	0.1	0.9	1.1	2.3	2.1	4.0	1.2
6	---	---	---	0.0	0.3	0.1	0.5	0.5	4.0	2.7	4.1	1.1
7	---	---	---	0.1	0.6	0.1	0.8	0.5	3.4	3.7	3.2	1.3
8	---	---	---	0.0	0.7	0.1	0.9	0.8	3.1	3.7	3.3	1.3
9	---	---	---	0.1	0.6	0.8	0.5	0.3	3.1	4.5	3.5	1.3
10	---	---	---	0.1	0.6	0.9	0.3	0.4	3.1	5.0	3.7	1.3
11	---	---	---	0.1	0.6	0.9	0.7	0.8	3.3	5.0	3.9	1.2
12	---	---	---	0.1	0.6	0.6	0.8	1.0	2.3	2.1	4.0	0.7
13	---	---	---	0.1	0.2	0.4	1.1	0.8	4.2	2.5	4.1	0.9
14	---	---	---	0.0	0.1	0.9	1.2	0.8	4.6	3.4	4.1	1.1
15	---	---	---	0.0	0.1	1.0	0.8	0.9	4.6	2.1	4.2	1.1
16	---	---	---	0.1	0.1	0.6	0.3	1.2	4.5	3.1	3.2	1.1
17	---	---	---	0.1	0.1	0.7	0.6	1.3	3.0	3.4	4.0	1.1
18	---	---	---	0.2	0.1	0.6	0.8	1.0	3.0	3.6	4.4	1.1
19	---	---	0.0	0.3	0.1	0.1	0.4	1.0	3.3	2.0	4.6	0.9
20	---	---	0.0	0.1	0.1	0.1	0.2	1.0	3.8	3.1	3.1	1.0
21	---	---	0.0	0.2	0.1	0.3	0.5	0.4	2.8	3.6	3.0	1.1
22	---	---	0.0	0.2	0.1	0.4	0.7	0.8	4.5	3.9	3.6	1.1
23	---	---	0.0	0.1	0.1	0.7	0.9	0.9	5.3	2.3	2.7	1.1
24	---	---	0.0	0.1	0.1	0.7	1.4	0.4	3.8	3.1	3.1	1.1
25	---	---	0.0	0.1	0.1	0.7	1.2	0.8	3.1	3.7	3.5	1.1
26	---	---	0.0	0.1	1.2	0.7	1.3	0.9	3.5	3.5	3.1	1.1
27	---	---	0.0	0.1	0.7	0.7	0.6	0.9	1.5	3.1	3.5	1.1
28	---	---	0.1	0.1	0.1	0.8	0.8	1.0	2.8	3.6	5.5	1.1
29	---	---	0.1	0.1	0.1	0.3	0.4	0.9	3.4	3.8	4.0	1.2
30	---	---	0.1	0.1	---	0.6	0.4	0.6	3.6	3.9	2.3	0.7
31	---	---	0.1	0.1	---	0.7	---	0.6	---	4.0	3.9	---
MEAN	---	---	0.0	0.1	0.4	0.5	0.7	0.8	3.1	3.3	3.6	1.5
MAX	---	---	0.3	0.8	1.5	1.3	1.6	1.5	5.3	5.4	5.8	6.4
MIN	---	---	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1

WTR YR 1996 MEAN 1.18 MAX 6.4 MIN 0.0

Note: Gage installed and began operation on 12/19/1996. Also, many days of impoundment due to irrigation tailwater. See also Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6623 **Name:** Crossroads Park
Period of Record: 12/18/96 to current year
Depth, in feet, Water Year October 1995 to September 1996

No significant impoundment during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
MAX	---	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
MIN	---	---	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

WTR YR 1996 MEAN 1.33 MAX 1.3 MIN 1.3

Note: Gage installed and began operation on 12/18/1996. See also Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6628 **Name:** Signal Butte FRS
Period of Record: 11/10/87 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Aug. 23	2.75	Aug. 28	4.90
Sept. 2	2.78		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.7	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	2.4
2	0.5	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.5
3	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	2.4
4	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
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	0.7	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
26	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.8	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	3.3	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	2.9	---
MEAN	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0
MAX	0.9	0.1	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.2	4.9	2.8
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 1996 MEAN 0.16 MAX 4.9 MIN 0.0

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6673 **Name:** Apache Jct. FRS
Period of Record: Nov. 1987 to present
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
Aug. 22	2.06	Aug.27	3.36
Aug. 28	2.26		

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.4	0.2
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

WTR YR 1996 MEAN 0.18 MAX 3.4 MIN 0.2

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6683 **Name:** Powerline FRS
Period of Record: 12/03/92 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
July 14	1.00	Sept. 2	1.65

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.3	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	1.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
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	0.3
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.5
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
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	0.3
MAX	0.2	0.4	0.2	0.2	0.6	0.2	0.2	0.2	0.2	1.0	0.6	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 1996 MEAN 0.21 MAX 1.6 MIN 0.2

Note: Impoundments shown 9/12-15/1996 result from backwater from the Powerline Floodway flows out of Vineyard FRS (gage ID# 6688). See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6688 **Name:** Vineyard FRS
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
July 15	1.08	Sept. 2	3.20
Sept. 14	3.40		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.1	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	2.7
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	3.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	3.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	2.5
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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	0.1	0.0	1.4
MAX	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	1.1	0.0	3.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.12 MAX 3.4 MIN 0.0

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6703 **Name:** Rittenhouse FRS
Period of Record: 09/27/88 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
July 9	3.90	Sept. 2	8.40
Sept. 5	5.85	Sept. 11	9.70*
Sept. 13	6.70		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	6.6
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
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	0.1	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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	3.3
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	0.1	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	0.1	0.0	1.4
MAX	0.0	1.5	0.0	0.0	0.8	0.0	0.0	0.0	0.0	3.9	1.1	9.7*
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.12 MAX 9.7* MIN 0.0

* Maximum from high water marks surveyed on 9/13/96.

See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6813 **Name:** Buckeye FRS #3
Period of Record: 11/23/92 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)	Day	Maximum Level (ft)
July 14	-2.20	Sept. 4	-1.05

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-3.3	-4.1	-4.1	-4.1	-4.0	-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	-3.7
5	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.0
6	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
7	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
8	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
10	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
11	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
12	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
13	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
14	-4.1	-4.1	-4.1	-4.1	-4.1	-4.0	-4.1	-4.1	-4.1	-4.0	-4.0	-4.1
15	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-3.9	-4.1	-4.1
16	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
17	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
18	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
19	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
20	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
21	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
22	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
23	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
24	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
25	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
26	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
27	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
28	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
29	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
30	-4.1	-4.1	-4.1	-4.1	---	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
31	-4.1	---	-4.1	-4.1	---	-4.1	---	-4.1	---	-4.1	-4.1	---
MEAN	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
MAX	-4.1	-4.1	-4.1	-4.1	-3.5	-3.8	-4.1	-4.1	-4.1	-2.2	-3.7	-1.1
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 1996 MEAN -4.08 MAX -1.1 MIN -4.1

Note: Instrument 4.08 ft below gage datum at invert elevation of principle outlet which is located in a depressed drop box type inlet structure. Gage datum of 0.0 feet is taken to be the point at the top of the drop box which is level with the ground around the inlet structure. See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6823 **Name:** White Tanks #4 FRS
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1995 to September 1996

No impoundment above gage during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1996 MEAN 0.00 MAX 0.0 MIN 0.0

* Significant storage volume exists below the instrument level due to the large borrow pits behind the dam. The storage volume behind the dam at the instrument level is 585 acre-feet. See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 7133 **Name:** Casandro Dam
Period of Record: 08/15/96 to current year
Depth, in feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Level (ft)
Sept. 11	5.8

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	---	---	---	---	---	---	---	---	-0.1	0.0
MAX	---	---	---	---	---	---	---	---	---	---	-0.1	5.8
MIN	---	---	---	---	---	---	---	---	---	---	-0.1	-0.1

WTR YR 1996 MEAN -0.07 MAX 5.8 MIN -0.1

Note: Instrument located 0.08 ft below outlet invert which is taken as 0.00 ft gage datum. Also, the gage was installed and began operation on 08/15/1996. See also Surface Water Streamflow and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 4562 **Name:** Spookhill FRS Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

* Storage rating curve begins at 11.5 feet gage height. At 12.0 feet the rating shows 149 ac-ft of storage. See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 4647 **Name:** E.Fork CC #1 Cap
Period of Record: 03/02/94 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No storage during Water Year 1996 except on following days:

Day	Maximum Storage (ac-ft)	(% full)	Day	Maximum Storage (ac-ft)	(% full)
Feb. 1	1	1.2	July 14	1	1.2

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

WTR YR 1996 MEAN 0 MAX 1 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 4657 **Name:** E.Fork CC #4 Cap
Period of Record: 01/18/94 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)	Day	Maximum Storage (ac-ft)	(% full)
Nov. 1	1	1.4	Feb. 1	3	4.1
Feb. 25	1	1.4	July 9	1	1.4
July 14	1	1.4	July 25	1	1.4
Sept. 2	1	1.4	Sept. 11	1	1.4

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

WTR YR 1996 MEAN 0 MAX 3 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 4682 **Name:** E.Fork CC #3 Cap
Period of Record: 09/13/94 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

* Flows up to about the 2-year are passed beneath the detention basin via storm drains.

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 4802 **Name:** Dreamy Draw Dam Cap
Period of Record: Nov. 1987 to current year
Volume, in acre-feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 4802 **Name:** Dreamy Draw Dam Cap
Period of Record: Nov. 1987 to current year
Volume, in acre-feet, Water Year October 1994 to September 1995 -- REVISED

No significant storage during Water Year 1995 except on following day:

Day	Maximum Storage (ac-ft)	(% full)
Sept. 27	2	1

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1995 MEAN 0 MAX 2 MIN 0

Data revised to reflect raising of instrument datum of 1.28 feet. Capacity rating shifted -1.28 ft to compensate.

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 4902 **Name:** Cave Buttes Dam Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)	Day	Maximum Storage (ac-ft)	(% full)
Nov. 2	289	0.6	July 15	115	0.2
Aug. 15	193	0.4	Sept. 2	45	0.1
Sept. 7	58	0.1			

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		10										
2		195										5
3		2										
4												
5												
6												
7												10
8												
9												
10												
11												
12												
13												
14										1	14	
15										36	57	
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	7	0	0	0	0	0	0	0	1	2	1
MAX	0	289	0	0	0	0	0	0	0	115	193	58
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1996 MEAN 1 MAX 289 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5112 **Name:** Saddleback FRS Cap
Period of Record: 12/16/88 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No storage during Water Year 1996 except on following day:

Day	Maximum Storage (ac-ft)	(% full)
July 15	102	1.5

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
15										20		
MEAN	0	0	0	0	0	0	0	0	0	1	0	0
MAX	0	0	0	0	0	0	0	0	0	102	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1996 MEAN 0 MAX 102 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5127 **Name:** Harquahala FRS Cap
Period of Record: 03/01/94 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5202 **Name:** Buckeye FRS #1 Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996 except on following day:

Day	Maximum Storage (ac-ft)	(% full)
July 15	45*	0.6

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
15										8		
16										2		
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	45*	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1996 MEAN 0 MAX 45* MIN 0

* Estimated from high water marks observed on morning of 07/15/1996.

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5207 **Name:** Buckeye FRS #2 Cap
Period of Record: 11/11/92 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

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

WTR YR 1996 MEAN 0 MAX 1 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5232 **Name:** Sunset FRS Cap
Period of Record: 02/12/89 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)	Day	Maximum Storage (ac-ft)	(% full)
July 28	1	1.2	Sept. 11	11	12.8

Daily Mean Values

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

WTR YR 1996 MEAN 0 MAX 11 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5247 **Name:** Sunnycove FRS Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

Maximum storage during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)
Sept. 11	4	1.9

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	4
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1996 MEAN 0 MAX 4 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5417 **Name:** White Tanks #3 Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No impoundment above gage during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

* Significant storage volume exists below the instrument level due to the borrow pits behind the dam. The storage volume behind the dam at the instrument level is 74 acre-feet. See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5447 **Name:** McMicken Dam Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5537 **Name:** Adobe Dam Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)	Day	Maximum Storage (ac-ft)	(% full)
Nov.2	5	<0.1	Aug. 15	6	<0.1
Sept. 6	1	<0.1			

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	5	0	0	0	0	0	0	0	0	6	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1996 MEAN 0 MAX 6 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 5612 **Name:** New River Dam Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6502 **Name:** Guadalupe FRS Cap
Period of Record: 06/29/89 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6608 **Name:** Freestone Basin
Period of Record: 12/19/1995 to current year
Volume, in acre-feet, Water Year October 1995 to September 1996

Rainfall produced impoundments of interest during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)	Day	Maximum Storage (ac-ft)	(% full)
July 11	1.1	0.5	Aug. 29	2.2	1.1
Sept. 2	3.1	1.5			

Daily Mean Values

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

WTR YR 1996 MEAN 0 MAX 3 MIN 0

Note: Gage installed and began operation on 12/19/1995. Also, many days of storage from irrigation tailwater. See also Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6623 **Name:** Crossroads Park
Period of Record: 12/18/1995 to current year
Volume, in acre-feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	0	0	0	0	0	0	0	0	0	0
MAX	---	---	0	0	0	0	0	0	0	0	0	0
MIN	---	---	0	0	0	0	0	0	0	0	0	0

WTR YR 1996 MEAN 0 MAX 0 MIN 0

Note: Gage installed and began operation on 12/18/1995. See also Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6627 **Name:** Signal Butte FRS Cap
Period of Record: 11/10/87 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)	Day	Maximum Storage (ac-ft)	(% full)
Aug. 23	4	0.3	Aug. 28	11	0.8
Sept. 2	4	0.3			

Daily Mean Values

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

WTR YR 1996 MEAN 0 MAX 11 MIN 0

Note: Storage on 10/1-4/1995 from recession of 9/28/1995 event. See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6672 **Name:** Apache Jct. FRS Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6682 **Name:** Powerline FRS Cap
Period of Record: 12/03/92 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6687 **Name:** Vineyard FRS Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)	Day	Maximum Storage (ac-ft)	(% full)
Sept. 2	169	5.4	Sept. 14	195	6.2

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												133
3												156
4												124
5												67
6												61
7												39
8												12
9												3
10												
11												
12												9
13												84
14												188
15												145
16												87
17												33
18												12
19												4
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30					---							
31		---			---		---		---			---
MEAN	0	0	0	0	0	0	0	0	0	0	0	39
MAX	0	0	0	0	0	0	0	0	0	0	0	195
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1996 MEAN 3 MAX 195 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6702 **Name:** Rittenhouse FRS Cap
Period of Record: 09/27/88 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

Maximum impoundments of interest during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)	Day	Maximum Storage (ac-ft)	(% full)
Sept. 2	60	1.8	Sept. 11	150*	4.5

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												26
3												
4												
5												
6												
7												
8												
9												
10												
11												23
12												17
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	2
MAX	0	0	0	0	0	0	0	0	0	0	0	150*
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1996 MEAN 0 MAX 150* MIN 0

* Maximum from high water marks surveyed on 9/13/96.

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6812 **Name:** Buckeye FRS #3 Cap
Period of Record: 11/23/92 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No significant storage during Water Year 1996.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6822 **Name:** White Tanks #4 Cap
Period of Record: Nov. 1987 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

No impoundment above gage during Water Year 1996.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 1996 MEAN 0 MAX 0 MIN 0

* Significant storage volume exists below the instrument level due to the large borrow pits behind the dam. The storage volume behind the dam at the instrument level is 585 acre-feet. See also Surface Water Streamflow and Pool Level Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 7132 **Name:** Casandro Dam Cap
Period of Record: 08/15/1996 to current year
Volume, in acre feet, Water Year October 1995 to September 1996

Maximum storage impounded during Water Year 1996:

Day	Maximum Storage (ac-ft)	(% full)
Sept. 11	15	10.5

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	---	---	---	---	---	---	---	---	0	0
MAX	---	---	---	---	---	---	---	---	---	---	0	15
MIN	---	---	---	---	---	---	---	---	---	---	0	0

WTR YR 1996 MEAN 0 MAX 15 MIN 0

Note: Gage installed and began operation on 08/15/1996. See also Surface Water Streamflow and Pool Level Data.

Comment/Errata Sheet

Comments about this report or errors discovered may be forwarded to the Flood Warning and Data Collection Branch using this Comment/Errata sheet. Simply fold this sheet over in half so that the address labels are on the outside, tape closed, add a stamp and place in the mail.

Comments:

Errors (please include page numbers, gage names or IDs, and dates whenever possible):

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Flood Warning and Data Collection Branch
2801 W. Durango Street
Phoenix, Arizona 85009

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