

**ANNUAL HYDROLOGIC
DATA REPORT**

**VOLUME II
SURFACE WATER DATA**

WATER YEAR 1998

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.fcd.maricopa.gov/alert/alert.htm>.

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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 "Annual Hydrologic Data Report, Volume II -- Surface Water Data."

This report includes records on discharge at 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 50 stream gages and 34 flood control storage structures; (2) Depths of stored water at 36 flood control storage structures; and (3) Contents at 35 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 operated by the FCDMC are run cooperatively with the United States Geological Survey (USGS). Although real-time data for these sites are collected by the FCDMC ALERT System 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 1998 were:

<u>USGS Gage Name</u>	<u>FCDMC ID</u>	<u>USGS ID</u>
Gila River near Sacaton, AZ	0783	09478350
Gila River near Maricopa, AZ	0778	09479350
Salt River at Priest Drive	4523	09512165
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
Hassayampa River nr Morristown	5223	09516500
Centennial Wash at SPRR	5103	09517490

In addition to the continuous 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 1998 were:

<u>Gage Site Name</u>	<u>USGS ID</u>
Vekol Wash near Stanfield, AZ	09488650
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

Finally, this year sensors were placed at two dams, Tat Momolikot and Whitlow Ranch Dams, monitored by the Corps of Engineers. Again, these data are collected in real-time by the FCDMC for the purpose of flood monitoring. Please refer to the Los Angeles District office for official data for these sites.

This is the fifth 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 and/or indirect 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 feet 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. In the event that published records require revision, revisions are printed in later reports. Listed in the heading for each gage where records have been revised are all the reports in which revisions have been published for the station and the water years to which the revisions apply (e.g. WY1998: WY1994-95 means that the data for Water Years 1994-1995 were revised in the report for Water Year 1998).

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@mail.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 elevation 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 occurring in any given year has a recurrence interval of 2 years and is referred to as the 2-year flood.

Staff gage is a device located at the gaging station to provide a visual reference to the depth of water at 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.

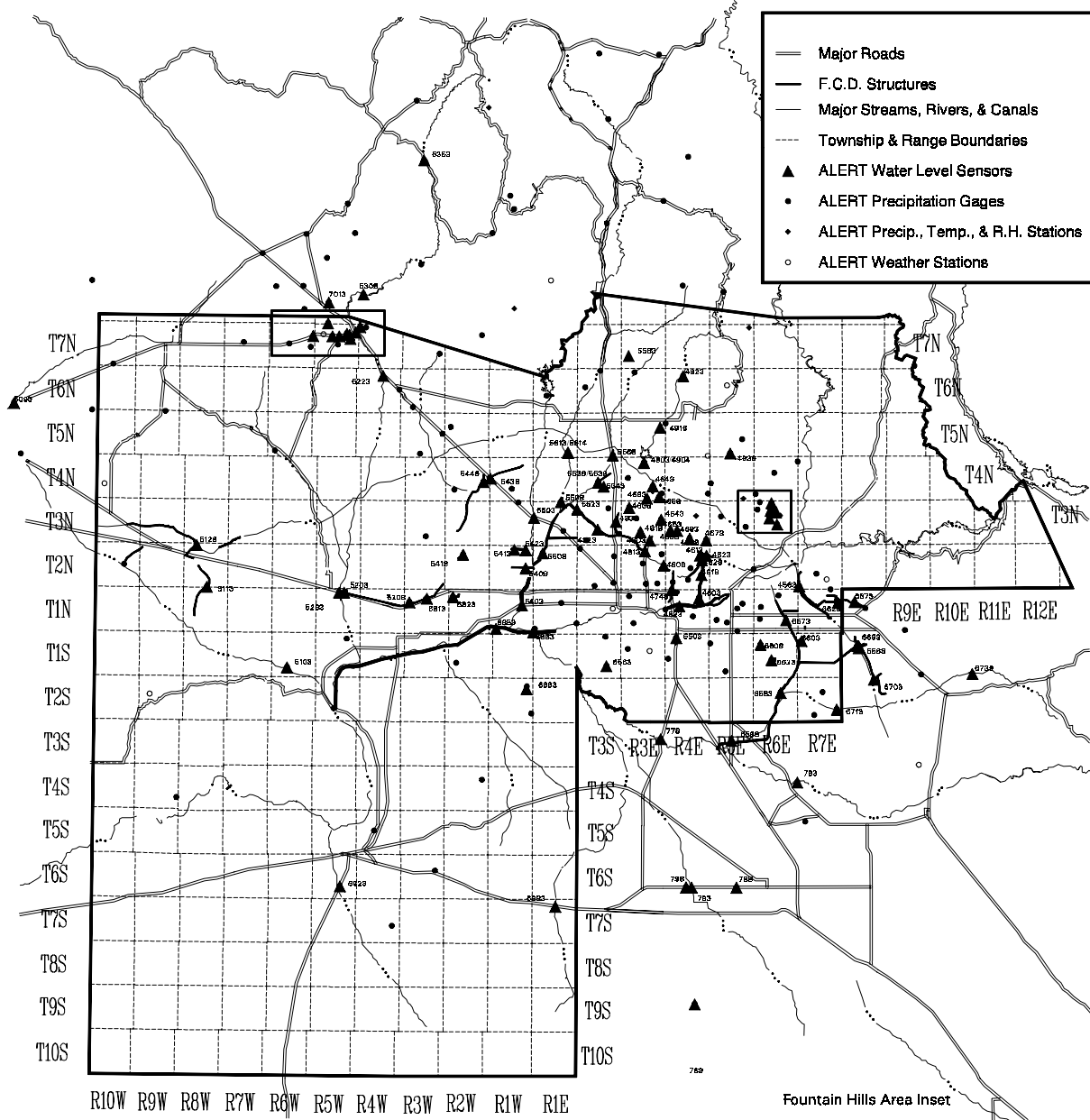
Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge 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, 1998, is called the "1998 water year."

Maricopa County ALERT Water Level Sensor Locations

Legend

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



Created December 31, 1998

Flood Control District of Maricopa County
ALERT System Water Level Sensors WY 1998 -- Sorted by ID#

ID #	Gage Name	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
769	Tat Momolikot Dam	1/21/98	9S-4E-30	32 30 46	111 57 06	1540	1:1,2:1,3:1
778	Gila @ Maricopa Rd	4/9/95	3S-3E-13	33 10 19	112 00 20	1120	1:2
783	Gila R. @ Olberg	4/12/95	4S-6E-12	33 05 15	111 41 11	1290	1:3
788	Santa Cruz @ SR 84	3/16/94	7S-5E-21	32 52 47	111 49 43	1311	1:4
793	Greene Wash @ SR 84	3/23/94	7S-4E-21	32 52 48	111 56 01	1350	1:5
798	Santa Rosa @ SR 84	3/16/94	7S-4E-20	32 52 49	111 56 46	1305	1:6
4523	Salt R. @ Priest Dr.	12/7/93	1N-4E-17	33 26 00	111 57 43	1133	1:7
4563	Spookhill FRS	3/13/84	2N-7E-31	33 28 01	111 40 48	1595	1:8,2:2,3:2
4603	IBW nr McKellips Rd.	5/21/85	1N-4E-11	33 26 58	111 54 58	1187	1:9
4613	IBW @ Indian Bend Rd.	9/28/83	2N-4E-11	33 32 01	111 54 48	1280	1:10
4618	IBW @ Indian School Rd	11/25/97	2N-4E-23	33 29 42	111 54 38	1235	1:11
4623	IBW @ Interceptor	4/21/94	2N-4E-12	33 32 00	111 53 55	1280	1:12
4628	IBW @ McDonald	11/24/97	2N-4E-11	33 31 26	111 54 33	1262	1:13
4638	Tatum Wash @ 40th St.	6/3/94	3N-4E-30	33 34 16	111 59 44	1300	1:14
4638	Tatum Wash Basin Inflow	5/6/98	3N-4E-30	33 34 54	111 59 01	1397	1:15
4643	IBW @ Sweetwater	12/27/90	3N-3E-13	33 36 15	112 00 18	1400	1:16
4648	East Fork CC #1	3/2/94	4N-3E-23	33 40 11	112 01 29	1515	1:17,2:3,3:3
4653	Tatum Wash Basin	5/8/98	3N-4E-30	33 34 57	111 58 58	1394	1:18,2:4,3:4
4658	East Fork CC #4	1/18/94	4N-3E-25	33 38 55	112 00 35	1456	1:19,2:5,3:5
4668	EFCC nr 7th Ave.	5/21/97	3N-3E-5	33 37 40	112 04 49	1325	1:20
4678	Lake Marguerite	11/25/97	3N-4E-36	33 33 49	111 53 56	1325	1:21
4683	East Fork CC #3	9/13/94	4N-3E-34	33 38 45	112 02 19	1456	1:22,2:6,3:6
4688	Berneil Wash	7/30/98	3N-4E-34	33 34 01	111 56 17	1320	1:23
4693	IBW @ Shea	6/9/98	3N-4E-29	33 34 55	111 58 03	1350	1:24
4748	Old X-cut @ McDowell	7/27/94	1N-4E-06	33 27 56	111 58 48	1250	1:25
4803	Dreamy Draw Dam	1/24/84	3N-3E-34	33 33 45	112 01 54	1407	1:26,2:7,3:7
4808	ACDC @ 36th St.	2/24/94	2N-3E-13	33 30 49	111 59 56	1260	1:27
4813	ACDC @ 14th St.	2/9/94	2N-3E-4	33 32 31	112 02 35	1230	1:28
4818	10th Street Wash Basin #1	11/26/96	3N-3E-28	33 34 47	112 03 14	1150	1:29,2:8,3:8
4823	ACDC @ 43rd Ave.	11/14/90	3N-2E-22	33 35 03	112 09 16	1225	1:30-32
4833	Cave Creek @ Cactus	6/27/91	3N-2E-13	33 35 59	112 06 39	1280	1:33
4903	Cave Buttes Outlet	1/25/84	4N-3E-15	33 42 58	112 02 43	1649	1:34
4904	Cave Buttes Pool	1/25/84	4N-3E-15	33 42 58	112 02 43	1649	2:9,3:9
4918	Cave Cr. nr Cave Cr.	5/27/94	5N-3E-12	33 47 28	112 00 05	1800	1:35
4923	Cave Cr. @ Spur Cross	6/16/93	6N-4E-04	33 53 05	111 57 17	2280	1:36
4938	Reata Pass Dam	2/25/93	5N-5E-33	33 44 06	111 50 36	2600	2:10
5093	Centennial @ Wenden	9/16/98	6N-12W-32	33 49 30	113 31 55	1860	1:37
5103	Centennial Railroad	2/9/90	1S-6W-28	33 18 35	112 52 56	850	1:38
5113	Saddleback FRS	12/16/88	2N-10W-34	33 27 55	113 04 21	1177	1:39,2:11,3:10
5128	Harquahala FRS	3/1/94	2N-8W-05	33 32 56	113 05 47	1420	1:40,2:12,3:11
5153	Narrows Dam	9/1/94	4N-12W-04	33 43 58	113 31 49	1960	1:41
5203	Buckeye FRS #1	7/26/83	1N-5W-3	33 27 31	112 45 02	1097	1:42,2:13,3:12
5208	Buckeye FRS #2	11/11/92	1N-3W-07	33 26 26	112 35 47	1150	1:43,2:14,3:13
5223	Hassy R. nr Morristown	5/7/96	6N-4W-03	33 53 05	112 39 42	1830	1:44
5228	Hassy R. @ US 60	3/14/94	7N-5W-12	33 58 13	112 43 31	2035	1:45
5233	Sunset FRS	2/12/89	7N-5W-11	33 57 50	112 44 33	2100	1:46,2:15,3:14

Flood Control District of Maricopa County
ALERT System Water Level Sensors WY 1998 -- Sorted by ID#

ID #	Gage Name	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
5248	Sunnycove FRS	7/31/86	7N-5W-11	33 57 25	112 44 24	2200	1:47,2:16,3:15
5283	Hassy R. @ I-10	11/9/94	1N-5W-03	33 27 27	112 45 43	1035	1:48
5308	Hassy R. @ Box Canyon	11/17/83	8N-4W-7	34 02 41	112 42 32	2245	1:49
5353	Hassy R. @ Wagoner Rd.	9/26/91	11N-3W-9	34 18 38	112 34 05	3785	1:50
5403	Agua Fria @ Buckeye	10/12/88	1N-1W-14	33 26 05	112 19 55	940	1:51
5408	Colter @ El Mirage	6/29/94	2N-1W-13	33 30 28	112 19 24	1025	1:52
5413	Dysart Drain @ LAFB	8/22/96	2N-1W-03	33 32 38	112 20 59	1090	1:53
5418	White Tanks 3	3/12/86	2N-2W-9	33 32 01	112 28 14	1190	1:54,2:17,3:16
5423	Dysart Chnl @ El Mirage	3/7/97	2N-1W-1	33 32 36	112 19 24	1023	1:55
5438	McMicken Floodway	9/3/92	4N-1E-18	33 41 04	112 24 24	1337	1:56
5448	McMicken Dam	3/24/83	4N-2W-24	33 40 38	112 25 23	1361	1:57,2:18,3:17
5503	Agua Fria @ Grand Ave.	4/27/94	3N-1E-18	33 36 26	112 18 16	1125	1:58
5508	New River @ Glendale	3/21/90	3N-1E-8	33 32 14	112 17 00	1050	1:59
5523	ACDC @ 67th Ave.	6/7/90	3N-1E-12	33 37 26	112 12 10	1220	1:60-61
5538	Adobe Dam Outlet	10/28/82	4N-2E-21	33 40 37	112 09 12	1413	1:62
5539	Adobe Dam Pool	10/28/82	4N-2E-21	33 40 37	112 09 12	1413	2:19,3:18
5543	Scatter Wash	9/18/96	4N-2E-27	33 40 09	112 08 25	1340	1:63
5568	Skunk Creek @ I-17	10/26/89	5N-2E-35	33 43 47	112 07 21	1475	1:64
5583	Skunk Cr. nr New R.	6/21/95	7N-3E-29	33 55 34	112 04 56	1854	1:65
5598	New River @ Bell Rd.	4/4/90	3N-1E-3	33 38 18	112 14 27	1200	1:66
5613	New River Outlet	4/15/86	5N-1E-35	33 44 09	112 13 31	1498	1:67
5614	New River Pool	4/15/86	5N-1E-35	33 44 09	112 13 31	1498	2:20,3:19
5968	Stoneridge Dam	12/11/96	3N-6E-22	33 35 41	111 43 57	1710	1:68,2:21,3:20
5973	Sunridge Canyon Dam	2/4/97	3N-6E-16	33 36 23	111 45 01	1932	1:69,2:22,3:21
5978	Golden Eagle Park Dam	12/12/96	3N-6E-10	33 37 08	111 44 04	1722	1:70,2:23,3:22
5983	North Heights Dam	10/11/96	3N-6E-9	33 37 17	111 44 52	1819	1:71,2:24,3:23
5988	Aspen Dam	1/2/97	3N-6E-4	33 37 34	111 44 41	1840	1:72,2:25,3:24
5993	Hesperus Dam	12/18/96	3N-6E-4	33 38 11	111 44 44	1894	1:73,2:26,3:25
6503	Guadalupe FRS	6/29/89	1S-4E-5	33 22 16	111 58 10	1250	1:74,2:27,3:26
6563	South Mountain Fan	6/9/93	1S-2E-26	33 18 56	112 07 59	1420	1:75
6573	EMF @ Broadway	8/10/89	1N-6E-26	33 24 21	111 42 42	1349	1:76
6583	EMF @ Queen Creek Rd.	1/18/89	2S-6E-15	33 15 50	111 43 35	1317	1:77
6598	EMF @ Arizona Ave.	2/10/89	3S-5E-15	33 09 57	111 49 56	1214	1:78
6603	Guadalupe Channel	8/07/98	1S-7E-6	33 21 55	111 40 32	1345	1:79
6608	Freestone Park Basin	12/19/95	1S-6E-8	33 21 28	111 46 19	1450	2:28,3:27
6623	Crossroads Park Basin	12/18/95	1S-6E-21	33 19 39	111 44 40	1270	2:29,3:28
6628	Signal Butte FRS	11/10/87	1N-7E-12	33 26 25	111 35 25	1650	1:80,2:30,3:29
6673	Apache Junction FRS	12/16/81	1N-8E-8	33 26 28	111 33 07	1989	1:81,2:31,3:30
6683	Powerline FRS	12/3/92	1S-8E-9	33 21 22	111 32 14	1580	1:82,2:32,3:31
6688	Vineyard FRS	11/2/83	1S-8E-9	33 21 10	111 32 06	1582	1:83,2:33,3:32
6703	Rittenhouse FRS	9/27/88	2S-8E-2	33 17 22	111 29 49	1580	1:84,2:34,3:33
6707	Queen Ck @ Rittenhouse	9/14/93	2S-7E-25	33 13 50	111 35 41	1400	1:85
6739	Whitlow Ranch Dam	1/8/98	1S-10E-36	33 17 55	111 16 35	2199	1:86,2:35,3:34
6813	Buckeye FRS #3	11/23/92	1N-3W-10	33 26 49	112 33 20	1200	1:87,2:36,3:35
6823	White Tanks 4	1/9/86	1N-2W-5	33 27 04	112 29 40	1044	1:88,2:37,3:36
6853	Gila @ Estrella Pkwy.	12/2/92	1N-1W-31	33 23 19	112 23 33	900	1:89

Flood Control District of Maricopa County
ALERT System Water Level Sensors WY 1998 -- Sorted by ID#

ID #	Gage Name	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
6863	Gila @ 115 th Ave.	11/6/97	1N-1E-31	33 23 24	112 18 28	941	1:90
6893	Estrella Fan	4/30/93	2S-1W-12	33 16 02	112 18 53	1425	1:91
6923	Sauceda Wash	2/28/90	6S-5W-4	32 52 27	112 44 57	726	1:92
6983	Vekol Wash	3/7/90	7S-1E-3	32 50 30	112 14 58	1720	1:93-94
7013	Martinez Creek	11/23/94	8N-5W-17	34 01 44	112 47 30	2300	1:95
7043	Sols Wash nr Matthie	8/4/95	8N-5W-32	33 59 14	112 47 33	2220	1:96
7063	Hartman Wash	7/6/94	7N-5W-12	33 57 45	112 49 42	2488	1:97
7083	Flying E Wash	7/12/94	7N-5W-09	33 57 44	112 46 55	2302	1:98
7093	Casandro Wash	7/12/94	7N-5W-10	33 57 44	112 45 55	2240	1:99
7113	Powder House Wash	5/18/95	7N-4W-06	33 58 50	112 42 59	2120	1:100
7133	Casandro Dam	8/15/96	7N-5W-11	33 57 57	112 45 01	2163	1:101,2:38,3:37

Flood Control District of Maricopa County
ALERT System Water Level Sensors WY 1998 -- Sorted by Name

ID #	Gage Name	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
4813	ACDC @ 14th St.	2/9/94	2N-3E-4	33 32 31	112 02 35	1230	1:28
4808	ACDC @ 36th St.	2/24/94	2N-3E-13	33 30 49	111 59 56	1260	1:27
4823	ACDC @ 43rd Ave.	11/14/90	3N-2E-22	33 35 03	112 09 16	1225	1:30-32
5523	ACDC @ 67th Ave.	6/7/90	3N-1E-12	33 37 26	112 12 10	1220	1:60-61
5538	Adobe Dam Outlet	10/28/82	4N-2E-21	33 40 37	112 09 12	1413	1:62
5539	Adobe Dam Pool	10/28/82	4N-2E-21	33 40 37	112 09 12	1413	2:19,3:18
5403	Agua Fria @ Buckeye	10/12/88	1N-1W-14	33 26 05	112 19 55	940	1:51
5503	Agua Fria @ Grand Ave.	4/27/94	3N-1E-18	33 36 26	112 18 16	1125	1:58
6673	Apache Junction FRS	12/16/81	1N-8E-8	33 26 28	111 33 07	1989	1:81,2:31,3:30
5988	Aspen Dam	1/2/97	3N-6E-4	33 37 34	111 44 41	1840	1:72,2:25,3:24
4688	Berneil Wash	7/30/98	3N-4E-34	33 34 01	111 56 17	1320	1:23
5203	Buckeye FRS #1	7/26/83	1N-5W-3	33 27 31	112 45 02	1097	1:42,2:13,3:12
5208	Buckeye FRS #2	11/11/92	1N-3W-07	33 26 26	112 35 47	1150	1:43,2:14,3:13
6813	Buckeye FRS #3	11/23/92	1N-3W-10	33 26 49	112 33 20	1200	1:87,2:36,3:35
7133	Casandro Dam	8/15/96	7N-5W-11	33 57 57	112 45 01	2163	1:101,2:38,3:37
7093	Casandro Wash	7/12/94	7N-5W-10	33 57 44	112 45 55	2240	1:99
4903	Cave Buttes Outlet	1/25/84	4N-3E-15	33 42 58	112 02 43	1649	1:34
4904	Cave Buttes Pool	1/25/84	4N-3E-15	33 42 58	112 02 43	1649	2:9,3:9
4918	Cave Cr. nr Cave Cr.	5/27/94	5N-3E-12	33 47 28	112 00 05	1800	1:35
4923	Cave Cr. @ Spur Cross	6/16/93	6N-4E-04	33 53 05	111 57 17	2280	1:36
4833	Cave Creek @ Cactus	6/27/91	3N-2E-13	33 35 59	112 06 39	1280	1:33
5093	Centennial @ Wenden	9/16/98	6N-12W-32	33 49 30	113 31 55	1860	1:37
5103	Centennial Railroad	2/9/90	1S-6W-28	33 18 35	112 52 56	850	1:38
5408	Colter @ El Mirage	6/29/94	2N-1W-13	33 30 28	112 19 24	1025	1:52
6623	Crossroads Park Basin	12/18/95	1S-6E-21	33 19 39	111 44 40	1270	2:29,3:28
4803	Dreamy Draw Dam	1/24/84	3N-3E-34	33 33 45	112 01 54	1407	1:26,2:7,3:7
5423	Dysart Chnl @ El Mirage	3/7/97	2N-1W-1	33 32 36	112 19 24	1023	1:55
5413	Dysart Drain @ LAFB	8/22/96	2N-1W-03	33 32 38	112 20 59	1090	1:53
4648	East Fork CC #1	3/2/94	4N-3E-23	33 40 11	112 01 29	1515	1:17,2:3,3:3
4683	East Fork CC #3	9/13/94	4N-3E-34	33 38 45	112 02 19	1456	1:22,2:6,3:6
4658	East Fork CC #4	1/18/94	4N-3E-25	33 38 55	112 00 35	1456	1:19,2:5,3:5
4668	EFCC nr 7th Ave.	5/21/97	3N-3E-5	33 37 40	112 04 49	1325	1:20
6598	EMF @ Arizona Ave.	2/10/89	3S-5E-15	33 09 57	111 49 56	1214	1:78
6573	EMF @ Broadway	8/10/89	1N-6E-26	33 24 21	111 42 42	1349	1:76
6583	EMF @ Queen Creek Rd.	1/18/89	2S-6E-15	33 15 50	111 43 35	1317	1:77
6893	Estrella Fan	4/30/93	2S-1W-12	33 16 02	112 18 53	1425	1:91
7083	Flying E Wash	7/12/94	7N-5W-09	33 57 44	112 46 55	2302	1:98
6608	Freestone Park Basin	12/19/95	1S-6E-8	33 21 28	111 46 19	1450	2:28,3:27
6863	Gila @ 115 th Ave.	11/6/97	1N-1E-31	33 23 24	112 18 28	941	1:90
6853	Gila @ Estrella Pkwy.	12/2/92	1N-1W-31	33 23 19	112 23 33	900	1:89
778	Gila @ Maricopa Rd	4/9/95	3S-3E-13	33 10 19	112 00 20	1120	1:2
783	Gila R. @ Olberg	4/12/95	4S-6E-12	33 05 15	111 41 11	1290	1:3
5978	Golden Eagle Park Dam	12/12/96	3N-6E-10	33 37 08	111 44 04	1722	1:70,2:23,3:22
793	Greene Wash @ SR 84	3/23/94	7S-4E-21	32 52 48	111 56 01	1350	1:5
6603	Guadalupe Channel	8/07/98	1S-7E-6	33 21 55	111 40 32	1345	1:79
6503	Guadalupe FRS	6/29/89	1S-4E-5	33 22 16	111 58 10	1250	1:74,2:27,3:26

Flood Control District of Maricopa County
ALERT System Water Level Sensors WY 1998 -- Sorted by Name

ID #	Gage Name	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
5128	Harquahala FRS	3/1/94	2N-8W-05	33 32 56	113 05 47	1420	1:40,2:12,3:11
7063	Hartman Wash	7/6/94	7N-5W-12	33 57 45	112 49 42	2488	1:97
5308	Hassy R. @ Box Canyon	11/17/83	8N-4W-7	34 02 41	112 42 32	2245	1:49
5283	Hassy R. @ I-10	11/9/94	1N-5W-03	33 27 27	112 45 43	1035	1:48
5228	Hassy R. @ US 60	3/14/94	7N-5W-12	33 58 13	112 43 31	2035	1:45
5353	Hassy R. @ Wagoner Rd.	9/26/91	11N-3W-9	34 18 38	112 34 05	3785	1:50
5223	Hassy R. nr Morristown	5/7/96	6N-4W-03	33 53 05	112 39 42	1830	1:44
5993	Hesperus Dam	12/18/96	3N-6E-4	33 38 11	111 44 44	1894	1:73,2:26,3:25
4613	IBW @ Indian Bend Rd.	9/28/83	2N-4E-11	33 32 01	111 54 48	1280	1:10
4618	IBW @ Indian School Rd	11/25/97	2N-4E-23	33 29 42	111 54 38	1235	1:11
4623	IBW @ Interceptor	4/21/94	2N-4E-12	33 32 00	111 53 55	1280	1:12
4628	IBW @ McDonald	11/24/97	2N-4E-11	33 31 26	111 54 33	1262	1:13
4693	IBW @ Shea	6/9/98	3N-4E-29	33 34 55	111 58 03	1350	1:24
4643	IBW @ Sweetwater	12/27/90	3N-3E-13	33 36 15	112 00 18	1400	1:16
4603	IBW nr McKellips Rd.	5/21/85	1N-4E-11	33 26 58	111 54 58	1187	1:9
4678	Lake Marguerite	11/25/97	3N-4E-36	33 33 49	111 53 56	1325	1:21
7013	Martinez Creek	11/23/94	8N-5W-17	34 01 44	112 47 30	2300	1:95
5448	McMicken Dam	3/24/83	4N-2W-24	33 40 38	112 25 23	1361	1:57,2:18,3:17
5438	McMicken Floodway	9/3/92	4N-1E-18	33 41 04	112 24 24	1337	1:56
5153	Narrows Dam	9/1/94	4N-12W-04	33 43 58	113 31 49	1960	1:41
5598	New River @ Bell Rd.	4/4/90	3N-1E-3	33 38 18	112 14 27	1200	1:66
5508	New River @ Glendale	3/21/90	3N-1E-8	33 32 14	112 17 00	1050	1:59
5613	New River Outlet	4/15/86	5N-1E-35	33 44 09	112 13 31	1498	1:67
5614	New River Pool	4/15/86	5N-1E-35	33 44 09	112 13 31	1498	2:20,3:19
5983	North Heights Dam	10/11/96	3N-6E-9	33 37 17	111 44 52	1819	1:71,2:24,3:23
4748	Old X-cut @ McDowell	7/27/94	1N-4E-06	33 27 56	111 58 48	1250	1:25
7113	Powder House Wash	5/18/95	7N-4W-06	33 58 50	112 42 59	2120	1:100
6683	Powerline FRS	12/3/92	1S-8E-9	33 21 22	111 32 14	1580	1:82,2:32,3:31
6707	Queen Ck @ Rittenhouse	9/14/93	2S-7E-25	33 13 50	111 35 41	1400	1:85
4938	Reata Pass Dam	2/25/93	5N-5E-33	33 44 06	111 50 36	2600	2:10
6703	Rittenhouse FRS	9/27/88	2S-8E-2	33 17 22	111 29 49	1580	1:84,2:34,3:33
5113	Saddleback FRS	12/16/88	2N-10W-34	33 27 55	113 04 21	1177	1:39,2:11,3:10
4523	Salt R. @ Priest Dr.	12/7/93	1N-4E-17	33 26 00	111 57 43	1133	1:7
788	Santa Cruz @ SR 84	3/16/94	7S-5E-21	32 52 47	111 49 43	1311	1:4
798	Santa Rosa @ SR 84	3/16/94	7S-4E-20	32 52 49	111 56 46	1305	1:6
6923	Sauceda Wash	2/28/90	6S-5W-4	32 52 27	112 44 57	726	1:92
5543	Scatter Wash	9/18/96	4N-2E-27	33 40 09	112 08 25	1340	1:63
6628	Signal Butte FRS	11/10/87	1N-7E-12	33 26 25	111 35 25	1650	1:80,2:30,3:29
5583	Skunk Cr. nr New R.	6/21/95	7N-3E-29	33 55 34	112 04 56	1854	1:65
5568	Skunk Creek @ I-17	10/26/89	5N-2E-35	33 43 47	112 07 21	1475	1:64
7043	Sols Wash nr Matthie	8/4/95	8N-5W-32	33 59 14	112 47 33	2220	1:96
6563	South Mountain Fan	6/9/93	1S-2E-26	33 18 56	112 07 59	1420	1:75
4563	Spookhill FRS	3/13/84	2N-7E-31	33 28 01	111 40 48	1595	1:8,2:2,3:2
5968	Stoneridge Dam	12/11/96	3N-6E-22	33 35 41	111 43 57	1710	1:68,2:21,3:20
5248	Sunnycove FRS	7/31/86	7N-5W-11	33 57 25	112 44 24	2200	1:47,2:16,3:15
5973	Sunridge Canyon Dam	2/4/97	3N-6E-16	33 36 23	111 45 01	1932	1:69,2:22,3:21

Flood Control District of Maricopa County
ALERT System Water Level Sensors WY 1998 -- Sorted by Name

ID #	Gage Name	Installed	T-R-S	Latitude	Longitude	Elev.	Page #s
5233	Sunset FRS	2/12/89	7N-5W-11	33 57 50	112 44 33	2100	1:46,2:15,3:14
769	Tat Momolikot Dam	1/21/98	9S-4E-30	32 30 46	111 57 06	1540	1:1,2:1,3:1
4638	Tatum Wash @ 40th St.	6/3/94	3N-4E-30	33 34 16	111 59 44	1300	1:14
4653	Tatum Wash Basin	5/8/98	3N-4E-30	33 34 57	111 58 58	1394	1:18,2:4,3:4
4638	Tatum Wash Basin Inflow	5/6/98	3N-4E-30	33 34 54	111 59 01	1397	1:15
4818	10th Street Wash Basin #1	11/26/96	3N-3E-28	33 34 47	112 03 14	1150	1:29,2:8,3:8
6983	Vekol Wash	3/7/90	7S-1E-3	32 50 30	112 14 58	1720	1:93-94
6688	Vineyard FRS	11/2/83	1S-8E-9	33 21 10	111 32 06	1582	1:83,2:33,3:32
5418	White Tanks 3	3/12/86	2N-2W-9	33 32 01	112 28 14	1190	1:54,2:17,3:16
6823	White Tanks 4	1/9/86	1N-2W-5	33 27 04	112 29 40	1044	1:88,2:37,3:36
6739	Whitlow Ranch Dam	1/8/98	1S-10E-36	33 17 55	111 16 35	2199	1:86,2:35,3:34

SUMMARY OF SIGNIFICANT STREAMFLOW EVENTS

Water Year 1998 saw a relatively high amount of streamflow across the ALERT network including record discharges in the Arizona Canal Diversion Channel (ACDC) and significant flow volumes during the month of February.

The winter season was heavily influenced by the effects of the very strong El Niño. These effects were felt especially during February when streamflow occurred at various locations on the 4th, 9th-10th, 15th, 17th, 20th, and the 24th-25th. During the end of March there were two additional flood events. The result of the repeated floods in February was the persistence of water in many streams and flood control structures for many days on end. The ACDC at 67th Avenue had some level of discharge for nearly the entire month of February as well as a week spanning the end March and beginning of April. The New River Dam and New River at Bell experienced similar periods of prolonged discharges. The New River below the confluence of Skunk Creek and the ACDC began to look like a perennial stream. Indian Bend Wash also flowed for many days in February and March as a result of repeated storms. The wet winter conditions even resulted in small releases from Salt River Project dams over Granite Reef Dam into the normally dry Salt River bed through Phoenix in the first and second weeks of April. Eventually though the desert returned and May and June proved typically dry.

While the summer monsoon started with a bang in early July, it generally fizzled through the remainder of the season. The first storm and flood occurred on July 6 when record discharges were recorded on the ACDC. At the 43rd Avenue gaging station, a peak discharge of 2,500 cfs was recorded while at 67th Avenue a peak discharge of 2,150 cfs was recorded. These both are the highest recorded discharges since publication of data began in Water Year 1994. Another generally less significant flood followed the very next day. While the ACDC had fairly uninspiring peak discharges, Vekol Wash had its maximum discharge for the year of 1,230 cfs. Other significant events during the monsoon included an impoundment of almost 10 percent capacity at Vineyard FRS on July 23rd, about a 5-year discharge at Hartman Wash on August 12th, and on August 25th on Saucedo Wash.

The significant flows and/or impoundments recorded by the FCDMC for Water Year 1998 are summarized in the following table.

Maximum Flows and Impoundments for Water Year 1998 at Selected FCDMC Water Level Sensor Locations

Location	Discharge (cfs)	Stage (feet)	Contents (ac-ft)	Contents (%full)	Date
ACDC @ 14 th Street	160	1.75			7/6/98
ACDC @ 43 rd Ave	2,500	3.08			7/6/98
ACDC @ 67 th Ave	2,150	6.05			7/6/98
Casandro Dam	12	3.34	10.3	7.2	8/12/98
Casandro Wash	150	1.46			8/12/98
Cave Creek at Cactus Road	1,040	11.18			7/6/98
Cave Creek near Cave Creek	1,040	2.88			3/29/98
Dysart Channel @ El Mirage Road	280	3.00			2/17/98
East Fork Cave Creek near 7 th Avenue	810	4.36			7/6/98
Freestone Park Retention Basin		8.80	18	8.3	8/16/98
Gila River @ 115 th Ave	5,000	7.57			4/13/98
Hartman Wash	1,120	3.08			8/12/98
Hassayampa River at Box Canyon	1,250	5.22			3/29/98
Indian Bend Wash at McDonald Drive	620	1.12			2/15/98
Indian Bend Wash near McKellips Road	430	1.88			2/5/98
New River Dam	590	9.42	439	1.0	3/29/98
Powder House Wash	210	0.73			8/11/98
Sauceda Wash	1,320	4.66			8/25/98
Skunk Creek near New River Road	150	1.90			7/23/98
Sunset FRS	20	5.36	6	7.0	8/13/98
Tenth Street Wash Basin #1	15	1.95	1.22	5.6	8/15/98
Vekol Wash	1,230	4.65			7/7/98
Vineyard FRS	43	2.83	323	9.1	7/22/98

Flood Control District Of Maricopa County ALERT System
Computation Of Continuous Records Of Streamflow

Station Number: 769 **Name:** Tat Momolikot Dam

Drainage Area: 1,780 mi²

Period of Record: FCDMC 1/21/98 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Refer to the U.S. Army Corps of Engineers, Los Angeles District for official data at this site.

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

Drainage Area: 19,915 mi²

See *USGS Water-Data Report AZ-98-1* 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

Drainage Area: 18,674 mi²

See *USGS Water-Data Report AZ-98-1* 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

Drainage Area: Undetermined

Period of Record: 03/16/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 9	270	Feb. 26	100
Dec. 10	100		

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1				1		9						
2				49			14				1	
3				39			1				1	
4				5	5							
5				5	1			1				
6				8						2		
7								2		18		
8			20		1			3		21		
9			71		140				1	24		
10			86		47					3	4	
11			17		2						1	
12				25		1						
13	20			7								
14	28			3				3			6	
15	2				1						31	
16					41						60	
17					54						48	
18					2						10	
19											6	
20												
21					6						2	
22					1					9		
23			28	3								
24			10									
25			45		13					13		
26			53		91	3						
27			43		5	19						
28			9		7					20		
29			5							6		
30			2			1						
31						15						

TOTAL	50	0	389	145	417	49	15	9	1	118	170	0
MEAN	2	0	13	5	15	2	1	0	0	4	5	0
MAX	38	0	101	68	269	30	30	10	6	46	64	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	100	0	771	288	828	96	31	18	1	233	338	0

WTR YR 1998	TOTAL		1363	MEAN	4	MAX	269	MIN	0	AC_FT	2703	

Note: Many 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
Drainage Area: Undetermined
Period of Record: 03/23/94 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:
 Minimum flow recorded by gage is about 40 cfs at 0.1 ft gage height.

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 9	130	Feb. 20	50

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

TOTAL	0	0	0	0	48	0	0	0	0	0	0	0
MEAN	0	0	0	0	2	0	0	0	0	0	0	0
MAX	0	0	0	0	130	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	95	0	0	0	0	0	0	0

WTR YR 1998	TOTAL		48	MEAN	0	MAX	130	MIN	0	AC_FT	95	

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 798 **Name:** Santa Rosa @ SR 84
Drainage Area: Undetermined (1,780 mi² is controlled by Tat Momolikot Dam)
Period of Record: 03/16/94 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

No flow above gage during Water Year 1998.
 Minimum flow recorded by gage is about 325 cfs at -0.14 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 1998	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

Drainage Area: 13,223 mi²

See *USGS Water-Data Report AZ-98-1* for data for this site.

Flood Flow Frequency (source: Table 2-4 from <i>Study for Modified Roosevelt Dam</i>)				
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

Drainage Area: 13.6 mi²

Period of Record: Nov. 1987 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:*

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 9	16	Feb. 20	18
Mar. 30	15	Aug. 1	34

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1						1	2				12	
2											4	
3												
4					3							
5					4							
6												
7												
8					2							
9					10							
10				1	5							
11				1	4							
12					1							
13												
14												
15					6							
16					6							
17					5							
18					7							
19					5							
20					7							
21					9							
22					5							
23	6				4							
24	3				5							
25	1				8							
26					6	1						
27					5							
28					4							
29												
30						9						
31						8				1		
TOTAL	11	0	0	2	111	20	2	0	0	1	16	0
MEAN	0	0	0	0	4	1	0	0	0	0	1	0
MAX	11	0	0	4	18	15	5	0	0	31	34	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	22	0	0	4	221	40	4	0	0	1	31	0
WTR YR 1998	TOTAL	163	MEAN	0	MAX	34	MIN	0	AC_FT	324		

* Outflow controlled by gated outlet below 11.5 ft gage height.

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 nr McKellips Rd.
Drainage Area: 101 mi²
Period of Record: Nov. 1987 to current year
Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 5	450	Feb. 15	240
Feb. 25	170	Mar. 27	240

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							10				1	
2							8				1	
3							2				1	
4					84		1				1	
5					160		1					
6					28		1					9
7			3		8					4		5
8		2	1		11					2		1
9		1			82					1		3
10		1		8	46							3
11				13	18							1
12				20	2						3	
13				15								
14		1		14		1				1		1
15		1		9	90	1				1	2	1
16		1			43					1		1
17		1			21					3		2
18		1			76					1		2
19					24							2
20					7							2
21					4							2
22			39							11		5
23			28							1		1
24			5		5					1		
25		1	1		91					1		1
26		1	1		17	9						2
27		2				88						1
28		1				19				1		2
29		1				32				2		
30						37				1		
31						14				1		

TOTAL	0	16	79	80	821	201	22	0	0	34	13	48
MEAN	0	1	3	3	29	6	1	0	0	1	0	2
MAX	0	5	65	31	431	240	16	0	0	87	100	16
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	32	156	158	1628	399	44	0	0	68	26	96

WTR YR 1998	TOTAL	1314	MEAN	4	MAX	431	MIN	0	AC_FT	2607		

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 (FEMA 9/95)		
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
Drainage Area: approximately 88 mi² (including area east of Pima Rd from Interceptor Channel)
Period of Record: USGS -- 1961-1984; FCDMC -- Nov. 1987 to current water year
Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	470	Feb. 15	580
Feb. 24	480	Mar. 26	900
Mar. 29	480		

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1							26					
2							33					
3							20					
4					160		1					
5					101							
6					27							
7					7							
8					24							
9					150							
10					75							
11					28							
12					14							
13												
14												
15					193							
16					39							
17					52							
18					133							
19					28							
20					22							
21					27							
22			89									
23			16									
24					100							
25					140							
26					28	228						
27					11	123						
28						26						
29						209						
30						46						
31						31						
TOTAL	0	0	105	0	1360	663	80	0	0	0	0	0
MEAN	0	0	3	0	49	21	3	0	0	0	0	0
MAX	0	0	330	0	581	900	39	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	208	0	2697	1315	158	0	0	0	0	0
WTR YR 1998	TOTAL	2207	MEAN	6	MAX	900	MIN	0	AC_FT	4378		

Flood Flow Frequency (FEMA 9/95)		
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

Note: Variable tall grass in this channel reach creates significant uncertainty for flows below about 2 ft gage height (which includes all peaks in WY 1998). See also flows at 4628 about 1 mile downstream.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4618 **Name:** IBW @ Indian School

Drainage Area: approximately 90 mi² *

Period of Record: 11/25/97 to current water year**

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	370	Feb. 9	110
Feb. 15	380	Feb. 18	120
Feb. 24	210	Mar. 26	290

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												
2												
3												
4					99							
5					66							
6												
7												
8												
9					38							
10					6							
11												
12												
13												
14												
15					76							
16					1							
17												
18					46							
19												
20												
21												
22			4									
23												
24					21							
25					74							
26					1	58						
27						27						
28												
29						21						
30												
31												
TOTAL	---	0	4	0	429	108	0	0	0	0	0	0
MEAN	---	0	0	0	15	3	0	0	0	0	0	0
MAX	---	0	35	0	379	285	0	0	0	0	0	0
MIN	---	0	0	0	0	0	0	0	0	0	0	0
AC_FT	---	0	9	0	852	213	0	0	0	0	0	0

WTR YR 1998 TOTAL 541 MEAN 1 MAX 379 MIN 0 AC_FT 1074

* Note: Gage is located on "low flow" bypass channel which begins at McDonald Drive. Inflows from the east of IBW south of McDonald are not recorded by this station.

** Gage installed 11/25/97.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4623 **Name:** IBW Interceptor

Drainage Area: 35 mi²

Period of Record: 04/21/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

No flow during Water Year 1998.

	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 1998	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC_FT	0	

Flood Flow Frequency (HEC-1 for IBW FDS 1997)
Magnitude and Probability of Instantaneous Peak Flow
Discharge, in cfs, for Indicated Recurrence Interval
100-year
8,000

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4628 **Name:** IBW @ McDonald

Drainage Area: approximately 88 mi²

Period of Record: 11/24/97 to current year*

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	550	Feb. 15	620
Feb. 24	450	Mar. 26	570

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1							1					
2							9					
3												
4					147							
5					97							
6					7							
7												
8					4							
9					71							
10					38							
11												
12												
13												
14												
15					136							
16					27							
17					13							
18					77							
19					6							
20												
21												
22			30									
23			2									
24					71							
25					105							
26					9	130						
27						67						
28						10						
29						71						
30						42						
31						5						

TOTAL	---	0	32	0	810	324	10	0	0	0	0	0
MEAN	---	0	1	0	29	10	0	0	0	0	0	0
MAX	---	0	80	0	621	565	17	0	0	0	0	0
MIN	---	0	0	0	0	0	0	0	0	0	0	0
AC_FT	---	0	63	0	1607	642	20	0	0	0	0	0

WTR YR 1998	TOTAL	1176	MEAN	3	MAX	621	MIN	0	AC_FT	2332		

* Gage installed 11/24/97.

Flood Flow Frequency
Should be essentially identical to FFF at 4613, IBW @ Indian Bend

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4638 **Name:** Tatum Wash @ 40th
Drainage Area: 1.82 mi²
Period of Record: 06/03/94 to 05/06/98 when moved to Tatum Wash Basin inlet channel
Revised Records: WY1996: WY1995
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

Day **Peak Discharge (cfs)**

Feb. 24 40

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
24					4							
TOTAL	0	0	0	0	4	0	0	---	---	---	---	---
MEAN	0	0	0	0	0	0	0	---	---	---	---	---
MAX	0	0	0	0	38	0	0	---	---	---	---	---
MIN	0	0	0	0	0	0	0	---	---	---	---	---
AC_FT	0	0	0	0	9	0	0	---	---	---	---	---
WTR YR 1998	TOTAL		4	MEAN	0	MAX	38	MIN		0	AC_FT	9

Flood Flow Frequency (HEC-1 for Tatum Wash Detention Basin Analysis, 1995)
Magnitude and Probability of Instantaneous Peak Flow
Discharge, in cfs, for Indicated Recurrence Interval
100-year
2,200

Flood Control District Of Maricopa County ALERT System Computation Of Continuous Records Of Streamflow

Station Number: 4638 **Name:** Tatum Wash Basin Inflow
Drainage Area: 2.17 mi²
Period of Record: 05/06/98 to current year; previously from 6/03/94 to 05/06/98 called
Tatum Wash @ 40th Street located approximately 1 mile upstream
Discharge, in cfs, Water Year October 1997 to September 1998

No flow at this location since installation in Water Year 1998.

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

WTR YR 1998	TOTAL		0	MEAN		0	MAX		0	MIN		0

Note: Gage installed at this location 5/6/98. Moved from Tatum Wash @ 40th Street.

Flood Flow Frequency (Report on Hydrology of Tatum Wash, 1995)			
Magnitude and Probability of Instantaneous Peak Flow			
Discharge, in cfs, for Indicated Recurrence Interval			
2-year	10-year	50-year	100-year
335	850	1,800	2,300

Flood Control District Of Maricopa County ALERT System Computation Of Continuous Records Of Streamflow

Station Number: 4643 **Name:** IBW @ Sweetwater

Drainage Area: 9.2 mi²

Period of Record: 12/27/90 to current year*

Discharge, in cfs, Water Year October 1997 to September 1998

Gage out of service during all of Water Year 1998:

Note: Gage removed due to bridge and roadway construction on 04/25/1997. Site to be reinstalled as soon as construction allows.

Flood Flow Frequency (FEMA 9/95)		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
2,000	3,500	6,000

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4648 **Name:** E.Fork CC #1

Drainage Area: 1.18 mi²

Period of Record: 03/02/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

No outflows during Water Year 1998 except on following days:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	8	July 6	14

Daily Mean Values

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

TOTAL	0	0	0	0	2	0	0	0	0	2	0	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	0	0	0	0	8	0	0	0	0	14	0	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	0	0	4	0	0	0	0	4	0	0			

WTR YR 1998	TOTAL		4	MEAN		0	MAX		14	MIN		0	AC_FT		8

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System Computation Of Continuous Records Of Streamflow

Station Number: 4653 **Name:** Tatum Wash Basin

Drainage Area: 2.17 mi²

Period of Record: 05/08/98 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

No outflow at this location since installation in Water Year 1998.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	---	---	---	---	---	---	---	0	0	0	0	0
MEAN	---	---	---	---	---	---	---	0	0	0	0	0
MAX	---	---	---	---	---	---	---	0	0	0	0	0
AC_FT	---	---	---	---	---	---	---	0	0	0	0	0
MIN	---	---	---	---	---	---	---	0	0	0	0	0
WTR YR 1998	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC_FT	0	

Note: Gage installed 5/8/98. Also, basin discharges from principle outlet assume inlet control. Tailwater conditions in outlet storm drain unknown.

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

Drainage Area: 0.68 mi²

Period of Record: 01/18/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows for impoundments greater than 2.0 ft during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	39	Feb. 15	38
July 6	42		

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

TOTAL	0	0	14	7	59	23	14	2	0	13	9	6			
MEAN	0	0	0	0	2	1	0	0	0	0	0	0			
MAX	0	0	20	9	39	19	17	5	0	42	16	8			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	29	14	117	45	28	4	0	25	18	12			

WTR YR 1998	TOTAL		147	MEAN		0	MAX		42	MIN		0	AC_FT		292

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4668 **Name:** EFCC nr 7th Ave

Drainage Area: 14.1 mi²

Period of Record: 05/21/97 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Maximum flow during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	430	Feb. 15	170
July 6	810	July 7	150

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												1
2												2
3												
4					79							
5					28							
6					1					44	2	
7										34		
8			12		9					7		
9			3		19					1		
10			2	2	8							
11			1	3								
12				2			2			1		
13				1								
14						1						
15					26	6					3	
16					3	2					3	
17					12	2				4		
18					8	2				3		
19					1							
20					4							
21			3		3							
22			15									
23			2									
24			2		13							
25			1		23							
26					2	16						
27						4						
28						6						
29						6						
30						4						
31												
TOTAL	0	0	40	7	236	49	3	0	0	96	13	3
MEAN	0	0	1	0	8	2	0	0	0	3	0	0
MAX	0	0	41	9	427	38	6	0	0	810	35	6
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	79	15	469	98	5	0	0	190	25	6

WTR YR 1998 TOTAL 447 MEAN 1 MAX 810 MIN 0 AC_FT 886

Flood Flow Frequency (FEMA 9/95)		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
2,300	6,300	8,900

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4678 **Name:** Lake Marguerite
Drainage Area: Undetermined
Period of Record: 11/25/97 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

Maximum flows during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>				<u>Day</u>	<u>Peak Discharge (cfs)</u>						
Feb. 15	140*				Mar. 26	140*						
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	---	0	0	0	0	0	0	0	0	0	0	0
MEAN	---	0	0	0	0	0	0	0	0	0	0	0
MAX	---	0	0	0	143*	143*	0	0	0	0	0	0
MIN	---	0	0	0	0	0	0	0	0	0	0	0
AC_FT	---	0	0	0	0	0	0	0	0	0	0	0
WTR YR 1998	TOTAL	0		MEAN	0	MAX	143*	MIN	0	AC_FT	0	

* Instrument failed. Maximums from high water marks at the gage. Therefore, no volumes or mean flows reported. Also, note that about 60 cfs pass the gage before detection due to the elevation of the instrument.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4683 **Name:** E.Fork CC #3
Drainage Area: 3.52 mi² (1.86 mi² controlled by EFCC #1 and EFCC #4)
Period of Record: 07/27/94 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows greater than 10 cfs during Water Year 1998:

Day Peak Discharge (cfs)

July 6 19

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4					2							
5												
6										1		
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
TOTAL	0	0	0	0	2	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	19	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	4	0	0	0	0	3	0	0
WTR YR 1998	TOTAL		3	MEAN	0	MAX	19	MIN	0	AC_FT	7	

* Flows up to about the 2-year are passed beneath the detention basin via storm drains. Also, the events during WY 1998 appear to have been caused by local flow from the area immediate to the gage only.

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4688 **Name:** Berneil Wash
Drainage Area: approximately 9.5 mi² (significant split flows at Mt. View & 64th St and Mt. View & Miller Road)
Period of Record: 7/30/98 to current year*
 Discharge, in cfs, Water Year October 1997 to September 1998

Flow occurred only on following day during Water Year 1998:*

<u>Day</u>	<u>Peak Discharge (cfs)</u>														
Aug. 17	14														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
TOTAL	---	---	---	---	---	---	---	---	---	0	0	0			
MEAN	---	---	---	---	---	---	---	---	---	0	0	0			
MAX	---	---	---	---	---	---	---	---	---	0	14	0			
MIN	---	---	---	---	---	---	---	---	---	0	0	0			
AC_FT	---	---	---	---	---	---	---	---	---	0	1	0			
WTR YR 1998	TOTAL		0	MEAN		0	MAX		14	MIN		0	AC_FT		1

* Gage installed 7/30/98.

Note: Daily mean for Aug. 17 rounds to zero cfs. Therefore not shown.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4693 **Name:** IBW @ Shea

Drainage Area: 24.6 mi²

Period of Record: 6/9/98 to current year*

Discharge, in cfs, Water Year October 1997 to September 1998

Maximum flows of interest during Water Year 1998:*

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
July 6	340	Aug. 15	180

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6										22		
7										15		
8												
9												
10												
11												1
12												
13												
14												
15											9	
16											24	
17										2		
18										1		
19												
20												
21												
22												4
23												
24										2	2	
25												
26												
27												
28											2	
29												6
30												3
31												
TOTAL	---	---	---	---	---	---	---	---	0	42	37	14
MEAN	---	---	---	---	---	---	---	---	0	1	1	0
MAX	---	---	---	---	---	---	---	---	0	339	179	37
MIN	---	---	---	---	---	---	---	---	0	0	0	0
AC_FT	---	---	---	---	---	---	---	---	0	84	74	27
WTR YR 1998	TOTAL	93	MEAN	0	MAX	339	MIN	0	AC_FT	185		

* Gage installed 06/09/98.

Flood Flow Frequency					
(based on HECWRC implementation of Bulletin 17B, n = 14 for crest stage gage, 09512090, operated by USGS about 500 ft upstream of Shea Blvd.)					
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
820	1,810	2,730	3,840	5,630	7,260

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 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	110	Feb. 9	120
Feb. 15	180	July 22	120

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1			36				14					
2			37				3					
3			36			10						
4			33		39	13						
5			26		10	14						
6			4		3	25		9		2		9
7			19			25		12				4
8					19	13	9	12				
9					25	26	25	12				
10			9	14	1	27	25	13				
11			3	3		28	25	3				
12					2	30	27					
13						28	12	22				
14		12				30	15	29				
15		9			25	28	9	30				
16		13				16	25	31				
17		25			17	22	25	30			4	
18		25	9		26	25	26	32				
19		25	19		3	25	28	34		3		
20		25	28		11	13	26	32		3		
21		25	28		4	25	25	34				
22		26	33			13	3	32		9		1
23		26	4			13		31				
24		28			7	3	12	19				
25		27										
26		28				12		9				
27		26						16				
28		26				6						
29		27				13		9				
30		36				4		3				
31												
TOTAL	0	410	327	17	192	490	337	454	0	17	4	14
MEAN	0	14	11	1	7	16	11	15	0	1	0	0
MAX	0	39	78	48	177	84	57	36	0	124	71	57
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	814	649	34	380	973	668	901	0	33	8	28
WTR YR 1998	TOTAL	2263	MEAN	6	MAX	177	MIN	0	AC_FT	4488		

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4803 **Name:** Dreamy Draw Dam

Drainage Area: 1.3 mi²

Period of Record: Nov. 1987 to current year

Revised Records: WY1996: WY1995

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 24	90	Mar. 26	80
Aug. 15	50		

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												
2							1					
3												
4					6							
5					1							
6												
7										1		
8												
9					2							
10												
11												
12												
13												
14												
15					4						1	
16												
17					2							
18					2							
19												
20					1							
21			1		1							
22			4									
23			1									
24					7							
25					2							
26					1	6						
27						1						
28						1						
29						3						
30						1						
31												
TOTAL	0	0	6	0	33	11	1	0	0	1	2	0
MEAN	0	0	0	0	1	0	0	0	0	0	0	0
MAX	0	0	17	0	92	79	1	0	0	2	47	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	13	0	66	23	2	0	0	2	3	0
WTR YR 1998	TOTAL		55	MEAN	0	MAX	92	MIN	0	AC_FT	108	

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

Drainage Area: 4.82 mi²

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

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

Day Peak Discharge (cfs)

Mar. 26 19

Daily Mean Values

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

TOTAL	0	0	3	1	12	8	1	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	3	3	7	19	3	0	0	2	0	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	6	1	23	16	2	0	0	1	0	1

WTR YR 1998 TOTAL 26 MEAN 0 MAX 19 MIN 0 AC_FT 51

Flood Flow Frequency for inflow to sediment basin (HEC-1 for ACDC ADMS)		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
2-year	10-year	100-year
590	2,510	5,410

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

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

Drainage Area: 10.2 mi²

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

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	90	July 6	160

Daily Mean Values

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

TOTAL	0	0	0	0	98	2	0	0	0	23	0	0
MEAN	0	0	0	0	4	0	0	0	0	1	0	0
MAX	0	0	0	0	93	24	0	0	0	155	21	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	195	3	0	0	0	45	1	0

WTR YR 1998	TOTAL	123	MEAN	0	MAX	155	MIN	0	AC_FT	243		

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4818 **Name:** 10 St.Wash Basin #1

Drainage Area: 1.21 mi²

Period of Record: 11/26/96 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	15	Feb. 15	12
July 6	9	Aug. 15	15

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>			
1															
2															
3															
4					5										
5															
6										1					
7										1					
8															
9															
10															
11															
12															
13															
14															
15					2						1				
16											1				
17															
18															
19															
20															
21															
22			1												
23															
24					1										
25															
26						1									
27															
28															
29															
30															
31															
TOTAL	0	0	1	0	9	1	0	0	0	2	2	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	0	0	3	1	15	10	0	0	0	9	15	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	1	0	17	3	0	0	0	3	5	0			
WTR YR 1998	TOTAL		15	MEAN		0	MAX		15	MIN		0	AC_FT		29

Note: Up to 300 cfs may bypass the basin in Tenth Street Wash.

Flood Control District Of Maricopa County ALERT System

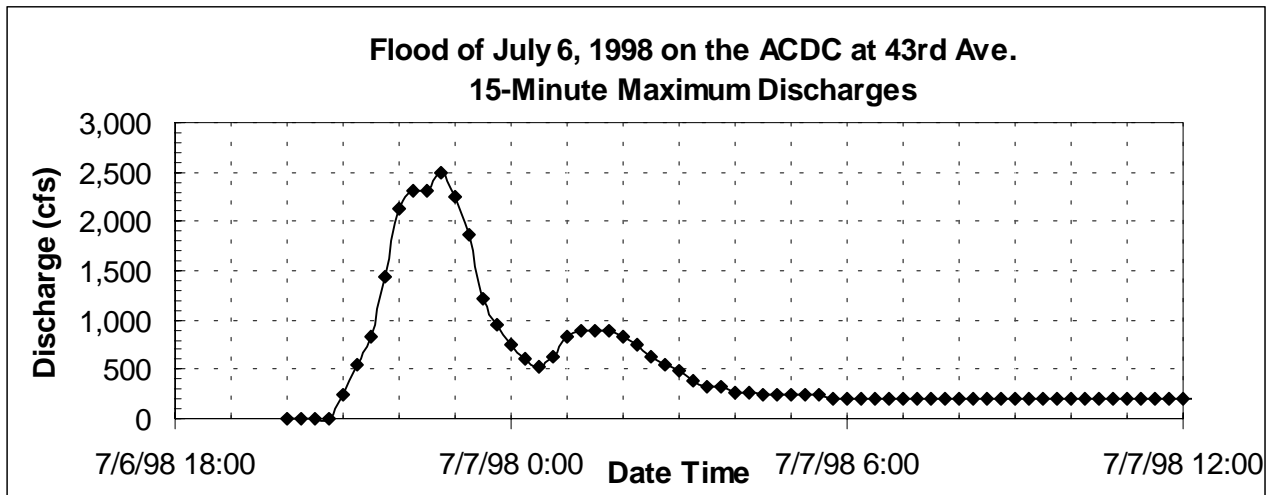
Computation Of Continuous Records Of Streamflow

Station Number: 4823 **Name:** ACDC @ 43 Av
Drainage Area: 56 mi² below Cave Buttes Dam
Period of Record: 12/17/91 to current year
Revised Records: WY1998: WY1997
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	850	Feb. 15	790
Mar. 26	520	July 6	2,490*
July 7	620	Sept. 11	570

* Highest recorded flow since installation.



Continued on following page

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4823 **Name:** ACDC @ 43 Av (cont.)

Drainage Area: 56 mi² below Cave Buttes Dam

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

Revised Records: WY1998: WY1997

Discharge, in cfs, Water Year October 1997 to September 1998

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4					288							
5					82							
6										159		
7			9							237		
8										3		
9					14							
10												
11												40
12												
13												
14												
15					150							
16												
17					36							
18					11							
19												
20												
21												
22			13									
23												
24					101							
25					25							
26						154						
27												
28												
29						21						
30						76						
31												
TOTAL	0	0	21	0	707	251	0	0	0	399	0	40
MEAN	0	0	1	0	25	8	0	0	0	13	0	1
MAX	0	0	230	0	854	517	0	0	0	2489	0	569
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	42	0	1403	498	0	0	0	791	0	80
WTR YR 1998	TOTAL	1418	MEAN	4	MAX	2489*	MIN	0	AC_FT	2813		

Note: Minimum flow recorded by gage 230 cfs.

* Highest recorded flow since installation.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4823 **Name:** ACDC @ 43 Av
Drainage Area: 56 mi² below Cave Buttes Dam
Period of Record: 12/17/91 to current year
 Discharge, in cfs, Water Year October 1996 to September 1997 -- REVISED

Peak flows of interest during Water Year 1997:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 27	250	Sept. 11	1,000

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												165
12												14
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27					44							
28												
29												
30												
31												

TOTAL	0	0	0	0	44	0	0	0	0	0	0	179
MEAN	0	0	0	0	2	0	0	0	0	0	0	6
MAX	0	0	0	0	250	0	0	0	0	0	0	1000
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	87	0	0	0	0	0	0	355

WTR YR 1997	TOTAL	223	MEAN	1	MAX	1000	MIN	0	AC_FT	442		

Revised due to error in low end of rating curve after datum change in WY 1997.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4833 **Name:** Cave Creek @ Cactus

Drainage Area: 33.6 mi² below Cave Buttes Dam

Period of Record: 06/21/91 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows above weir (10 ft gage height) during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	580	July 6	1,040

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							32					
2							19					
3							3					
4					176							1
5					201					1		
6					94					15		
7			7		14					225		
8			5		24					143	1	
9			1		129					76		
10			2	1	102					46		
11			1	3	87					27		14
12				1	34					14		4
13					10					7		1
14					3					5		
15					185	2				3		
16					232	1				2	31	
17					165					2	5	
18					229					9	1	
19					154					7		
20					74					4		
21					43					2		
22			86		15							1
23			40		3							
24			5		44							
25			1		192							
26					201	73						
27					53	68						
28					2	25						
29						135						
30						206						
31						93						

TOTAL	0	0	147	5	2466	602	54	0	0	587	39	24
MEAN	0	0	5	0	88	19	2	0	0	19	1	1
MAX	0	0	117	4	577	225	44	0	0	1040	44	39
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	292	10	4892	1194	107	0	0	1165	78	47

WTR YR 1998	TOTAL	3925	MEAN	11	MAX	1040	MIN	0	AC_FT	7786		

Note: Receeding limbs of hydrographs greatly affected by clogging of 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. Weir flow begins into main channel above 10 ft gage height.

Flood Flow Frequency for inflow to sediment basin (HEC-1 for ACDC ADMS)		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
2-year	10-year	100-year
2,225	5,750	14,240

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 4903 **Name:** Cave Buttes Outlet

Drainage Area: 191 mi² at Cave Buttes Dam

Period of Record: Nov. 1987 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	180	Feb. 15	220
Feb. 17	190	Feb. 25	230
Mar. 29	200		

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												
2												
3												
4					105							
5					115							
6												
7												
8												
9												
10					49							
11					16							
12												
13												
14												
15					167						9	
16					120						52	
17					37							
18					103							
19					8							
20					7							
21												
22			31		3							
23			1		11							
24					21							
25					201							
26					79	17						
27						9						
28						8						
29						174						
30						71						
31						8						
TOTAL	0	0	31	0	1041	286	0	0	0	0	61	0
MEAN	0	0	1	0	37	9	0	0	0	0	2	0
MAX	0	0	106	0	225	201	0	0	0	0	150	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	62	0	2066	567	0	0	0	0	120	0
WTR YR 1998	TOTAL	1419	MEAN	4	MAX	225	MIN	0	AC_FT	2815		

Note: This is the outflow from Cave Buttes Dam. 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

Drainage Area: 121 mi²

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 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	230	Feb. 10	240
Feb. 15	480	Feb. 25	520
Mar. 29	1,040*	Aug. 15	580

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4					59							
5					4							
6												
7												
8												
9					24							
10					92							
11												
12												
13												
14												
15					197						33	
16					2						154	
17												
18												
19												
20												
21												
22												
23												
24					27							
25					173							
26												
27												
28												
29						738*						
30												
31												

TOTAL	0	0	0	0	579	738*	0	0	0	0	187	0
MEAN	0	0	0	0	21	24*	0	0	0	0	6	0
MAX	0	0	0	0	515	1040*	0	0	0	0	578	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	1149	1464*	0	0	0	0	371	0

WTR YR 1998	TOTAL	1504*	MEAN	4	MAX	1040*	MIN	0	AC_FT	2984*		

* Maximum for 3/29/98 event from crest-stage gage. Therefore, mean daily flow and ac-ft estimated.

Flood Flow Frequency					
(based on HECWRC implementation of Bulletin 17B, n = 38)					
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
1,420	4,420	7,670	11,900	18,900	25,600

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

Drainage Area: 82.7 mi²

See *USGS Water-Data Report AZ-98-1* for data for this site.

Flood Flow Frequency (based on HECWRC implementation of Bulletin 17B, n = 18)					
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
970	2,970	5,260	8,370	14,000	19,700

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5093 **Name:** Centennial @ Wenden
Drainage Area: 586 mi² excluding area diverted from Sols Wash at Sols Tank
Period of Record: 9/16/98 to current year*
 Discharge, in cfs, Water Year October 1997 to September 1998

No flow since installation during Water Year 1998.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	---	---	---	---	---	---	---	---	---	---	---	0
MEAN	---	---	---	---	---	---	---	---	---	---	---	0
MAX	---	---	---	---	---	---	---	---	---	---	---	0
MIN	---	---	---	---	---	---	---	---	---	---	---	0
AC_FT	---	---	---	---	---	---	---	---	---	---	---	0
WTR YR 1998	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC_FT		0

* Gage installed 9/16/98.

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

Drainage Area: 1,817 mi²

See *USGS Water-Data Report AZ-98-1* for data for this site.

Flood Flow Frequency (based on HECWRC implementation of Bulletin 17B, n = 12)					
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
830	4,510	10,600	21,200	45,200	74,400

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5113 **Name:** Saddleback FRS
Drainage Area: 29.6 mi² excluding area brought in from Harquahala FRS
Period of Record: 12/16/88 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows occurred only on following day during Water Year 1998:
Day Peak Discharge (cfs)

Sept. 9 15

DAY	Daily Mean Values														
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1															
2															
3															
4															
5															
6															
7															
8															
9												1			
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
TOTAL	0	0	0	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	15			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	0	0	0	0	0	0	0	0	0	1			
WTR YR 1998	TOTAL		1	MEAN		0	MAX		15	MIN		0	AC_FT		1

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

Drainage Area: 102.3 mi²

Period of Record: 03/01/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

No ungated outflow occurred during Water Year 1998.

	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 1998	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

Drainage Area: 684 mi²

Period of Record: 09/01/94 to 05/09/96; 04/29/97 to 03/12/98*

Discharge, in cfs, Water Year October 1997 to September 1998

No outflows of during Water Year 1998.*

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

WTR YR 1998	TOTAL	0		MEAN	0		MAX	0		MIN	0	

* Gage removed after demolition of dam following dam failure on September 26, 1997.

Flood Control District Of Maricopa County ALERT System Computation Of Continuous Records Of Streamflow

Station Number: 5203 **Name:** Buckeye FRS #1
Drainage Area: 74 mi² without area from Buckeye FRS #2 and #3
Period of Record: Nov. 1987 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

No outflow during Water Year 1998 except on following day:

<u>Day</u>	<u>Peak Discharge (cfs)</u>												
Feb. 8													1
	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	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	1	0	0	0	0	0	0	0	0
MIN	0	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	0
WTR YR 1998	TOTAL		0	MEAN	0	MAX	1	MIN	0	AC_FT	0		0

Note: Because of local drawdown effects at the gage on the principle outlet, discharges for stages below about 1 foot gage height are approximate. 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

Drainage Area: 5.7 mi² without area from Buckeye FRS #3

Period of Record: 11/11/92 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows greater than 10 cfs during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 24	31	Aug. 11	18

Daily Mean Values

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

TOTAL	0	0	1	0	10	0	0	0	0	0	10	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	3	0	31	0	0	0	0	0	18	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	1	0	19	0	0	0	0	0	20	0

WTR YR 1998	TOTAL	20	MEAN	0	MAX	31	MIN	0	AC_FT	41		

Note: Because of local drawdown effects at the gage on the principle outlet, discharges for stages below about 1 foot gage height are approximate. 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 Morrystown

USGS Gage: Hassayampa River near Morrystown, ID# 09516500

Drainage Area: 796 mi²

See *USGS Water-Data Report AZ-98-1* for data for this site.

Flood Flow Frequency (based on HECWRC implementation of Bulletin 17B, n = 44, expected probability shown since it plots graphically closer to the observed data)					
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
2,920	10,200	18,400	29,200	47,500	64,700

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5228 **Name:** Hassayampa @ US 60

Drainage Area: 711 mi²

Period of Record: 03/14/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>											
Mar. 29	600*											
	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 1998	TOTAL		0	MEAN	0	MAX	600*	MIN		0	AC_FT	0

* Maximum estimated from high water marks. Therefore, no mean values or volumes given. Gage separated from low flow channel most of year.

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 and comparative flood flow frequency for this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5233 **Name:** Sunset FRS

Drainage Area: 0.95 mi² (from Wickenburg ADMS)

Period of Record: 02/12/89 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998 assumming outlet gate fully open:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Aug. 12	19	Aug. 13	20

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

TOTAL	95	0	238	207	362	189	163	19	0	59	110	5
MEAN	3	0	8	7	13	6	5	1	0	2	4	0
MAX	22	0	15	14	17	13	13	11	0	13	20	13
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	187	0	473	411	718	375	322	38	0	117	219	10

WTR YR 1998 TOTAL 1448 MEAN 4 MAX 22 MIN 0 AC_FT 2871

Note: Outflow based on assumption that the outlet gate is fully open. See also Pool Level and Storage Volume Data. Impoundment in first week of Oct. remaining from 09/26/97 event.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5248 **Name:** Sunnycove FRS

Drainage Area: 0.98 mi² (from Wickenburg ADMS)

Period of Record: Nov. 1987 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998 assuming outlet gate fully open:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Aug. 12	21	Aug. 13	22

Daily Mean Values

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

TOTAL	0	0	0	0	0	0	0	0	0	0	34	0			
MEAN	0	0	0	0	0	0	0	0	0	0	1	0			
MAX	0	0	0	0	0	0	0	0	0	0	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	68	0			

WTR YR 1998	TOTAL		34	MEAN		0	MAX		22	MIN		0	AC_FT		68

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

Drainage Area: approximately 1,450 mi²

Period of Record: 11/09/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 9	330*	Feb. 15	290*
Mar. 29	160*		

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>			
1															
2															
3															
4															
5															
6															
7															
8					23										
9					152										
10															
11															
12															
13															
14															
15					18										
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29						8									
30						8									
31															

TOTAL	0	0	---	---	193	16	0	0	0	0	0	0			
MEAN	0	0	---	---	7	1	0	0	0	0	0	0			
MAX	0	0	---	---	333*	155*	0	0	0	0	0	0			
MIN	0	0	---	---	0	0	0	0	0	0	0	0			
AC_FT	0	0	---	---	382	32	0	0	0	0	0	0			

WTR YR 1998	TOTAL		209	MEAN		1	MAX		333*	MIN		0	AC_FT		414

* Peak flows estimated from combination of PT and crest stage gage readings which indicated two-dimensional flow in multiple channels for these events. Volumes and means considered gross estimations. Data reliability should be considered very poor.

Note: This location has a mobile sand bed with multiple channels. Therefore, data reliability should be considered poor.

Flood Flow Frequency					
(from R.W. Cruff analysis of 1995 based on shape of Hassayampa near Arlington relation)					
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
2,500	8,000	15,000	32,000	51,000	75,000

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5308 **Name:** Hassy @ Box Canyon
Drainage Area: 416 mi²
Period of Record: USGS ID# 09515500 -- 1925, 1927, 1937, 1938 (annual peaks only); 1946-1982; FCDMC -- Nov. 1987 to current year
Revised Records: WY1996: WY1994-95. WY1997: WY1996
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 15	580	Mar. 29	1,250

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						73	346					
2						70	407					
3						61	391					
4					32	57	335					
5					59	57	342					
6					33	57	329					
7					12	66	323					
8					16	68	302					
9					216	60	293					
10					148	54	290					
11					92	51	291					
12					68	46	305					
13					54	49	344					
14					41	57	293					
15					191	62	273					
16					114	70	250					
17					102	83	225					
18					153	83	115					
19					136	83						
20					118	86						
21					143	70						
22					115	60						
23					102	51						
24					101	54						
25					174	49						
26					127	103						
27					108	182						
28					94	170						
29						742						
30						463						
31						370						

TOTAL	0	0	0	0	2547	3608	5456	0	0	0	0	0
MEAN	0	0	0	0	91	116	182	0	0	0	0	0
MAX	0	0	0	0	583	1254	473	0	0	0	0	0
MIN	0	0	0	0	0	43	0	0	0	0	0	0
AC_FT	0	0	0	0	5052	7157	10821	0	0	0	0	0

WTR YR 1998	TOTAL	11611	MEAN	32	MAX	1254	MIN	0	AC_FT	23030		

Note: Streamflow continued after April 18. Channel scoured very low during the prolonged flows and/or as a result of the March 29 flood. Consequently, many days of low flow not recorded by gage. As of May 1998 about 180 cfs pass below the instrument before detection.

Flood Flow Frequency					
(based on HECWRC implementation of Bulletin 17B, n = 46)					
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
4,020	12,200	21,200	32,900	53,000	72,200

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5353 **Name:** Hassy @ Wagoner Rd

Drainage Area: 78 mi²

Period of Record: 09/26/91 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Apr. 1	310	Apr. 3	210
Apr. 12	180	July 5	100

DAY	Daily Mean Values*											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	1	1	2	1	1	199				11	14
2	14	1	1	2	1	1	233				9	12
3	14	1	1	2	1	1	182				8	13
4	7	1	1	2	8	2	183				9	15
5	1	1	1	2	1	3	151			6	12	12
6	1	1	1	1	1	9	139				12	15
7	1	1	1	1	1	31	133				9	12
8	1	1	2	1	2	14	126				12	11
9	1	1	1	1	2	11	118				12	13
10	1	1	1	2	1	8	117				11	12
11	1	1	1	1	1	8	120				13	13
12	1	1	1	1	1	9	136				15	10
13	1	1	1	1	1	11	121				19	9
14	1	1	1	1	1	14	96				13	7
15	1	1	1	1	9	29	85			4	13	8
16	1	1	1	1	1	25	37			12	14	10
17	1	1	1	1	1	20				11	16	7
18	1	1	1	1	1	25				13	14	8
19	1	1	1	1	1	22				15	11	8
20	1	1	1	1	1	11				16	9	9
21	1	1	2	1	1	7				16	9	10
22	1	1	4	1	1	6				17	9	11
23	1	1	2	1	1	6				22	10	9
24	1	1	1	1	1	6				16	12	9
25	1	1	1	1	2	7				11	18	9
26	1	1	1	1	1	21				9	13	11
27	1	1	1	1	1	35				10	10	9
28	1	1	2	1	1	65				14	10	9
29	1	1	2	1		157				15	9	10
30	1	1	2	1		162				12	9	9
31	1		2	1		160				13	13	

TOTAL	76	30	42	42	47	887	2175	0	0	231	364	312
MEAN	2	1	1	1	2	29	72	0	0	7	12	10
MAX	14	1	12	4	40	167	305	0	0	102	140	25
MIN	1	1	1	1	1	1	0	0	0	0	0	1
AC_FT	150	60	84	84	93	1760	4313	0	0	458	722	618

WTR YR 1998	TOTAL	4206	MEAN	12	MAX	305	MIN	0	AC_FT	8342		

***Note:** From 10/1/97 to 7/15/98 the instrument was a pressure transducer at this location that was often buried by sand and separated from the normal low base flow. Typically this base flow is on the order of 1-10 cfs. The instrument was changed to an acoustic sensor located on the bridge deck on 7/15/98. The acoustic sensor has proved to be highly influenced by temperature. No adequate solution was reached during WY 1998. Therefore, the mean daily flows shown here should be considered gross estimations.

Flood Flow Frequency (based on HECWRC implementation of Bulletin 17B, n = 12)					
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
595	1,590	2,580	3,780	5,730	7,490

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5403 **Name:** Agua Fria @ Buckeye
Drainage Area: 2,241 mi², 1,459 mi² controlled by New Waddell Dam, 191 mi² by Cave Buttes Dam, 90 mi² by Adobe Dam, and 164 mi² by New River Dam, 247 mi² by McMicken Dam

Period of Record: 10/12/88 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest occurred on following day during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 15	500	Feb. 18	680
Feb. 24	410	Mar. 30	460

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1							2					
2												
3												
4					11							
5					89							
6												
7										10		
8										3		
9					37							
10												
11												
12												
13												
14												
15					95							
16					190							
17					121							
18					586							
19					166							
20												
21												
22												
23												
24					71							
25					71							
26					115							
27					24							
28												
29						42						
30						380						
31						112						
TOTAL	0	0	0	0	1576	533	2	0	0	13	0	0
MEAN	0	0	0	0	56	17	0	0	0	0	0	0
MAX	0	0	0	0	679	456	12	0	0	78	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	3126	1058	5	0	0	26	0	0
WTR YR 1998	TOTAL	2125	MEAN	6	MAX	679	MIN	0	AC_FT	4214		

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

Drainage Area: 3.48 mi²

Period of Record: 06/29/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows greater than 30 cfs during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 15	36	Feb. 17	31
Sept. 11	43		

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												
2												
3												
4					7							
5					9							
6					1							
7			5							2	1	
8											3	
9					8							
10					1							
11												15
12												4
13												
14												
15					16							
16					2							
17					7							
18					16							
19					2					1		
20										1		
21												
22												
23												
24					1							
25												
26												
27												
28												
29												
30						8						
31												
TOTAL	0	0	5	0	71	8	0	0	0	4	3	19
MEAN	0	0	0	0	3	0	0	0	0	0	0	1
MAX	0	0	10	0	36	10	0	0	0	16	22	43
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	10	0	140	16	0	0	0	8	7	38
WTR YR 1998	TOTAL		110	MEAN	0	MAX	43	MIN	0	AC_FT	219	

Flood Flow Frequency (HEC-1 for Colter Channel Design Analysis)
Magnitude and Probability of Instantaneous Peak Flow
Discharge, in cfs, for Indicated Recurrence Interval
100-year
1,040

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5413 **Name:** Dysart Drain @ LAFB

Drainage Area: 52 mi²

Period of Record: 08/22/96 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

Day Peak Discharge (cfs)

Feb. 17 190

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								1				
2												
3												
4					8							
5					2				1			
6									1			
7			2							1		
8												
9					3							
10							1					
11							1		1			3
12												
13									1			
14												
15					8							
16												
17					34							
18					24							
19												
20										1		
21								1				
22			1									
23												
24					2							
25												
26												
27												
28												
29												
30												
31												

TOTAL	0	0	3	0	82	0	4	2	3	2	1	3
MEAN	0	0	0	0	3	0	0	0	0	0	0	0
MAX	0	0	11	0	189	2	6	3	2	19	17	27
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	5	0	162	1	7	3	6	4	1	6

WTR YR 1998	TOTAL		99	MEAN	0	MAX	189	MIN	0	AC_FT		196

Note: Many days of positive mean daily flows due to irrigation tailwater.

Flood Flow Frequency
(HEC-1 for White Tanks ADMS modified for Dysart Channel Design Analysis)
Magnitude and Probability of Instantaneous Peak Flow
Discharge, in cfs, for Indicated Recurrence Interval
100-year
2,340

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5418 **Name:** White Tanks #3 FRS
Drainage Area: 20.5 mi² (White Tanks ADMS)
Period of Record: Nov. 1987 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

No outflows during Water Year 1998.*

	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 1998 TOTAL			47	MEAN		0	MAX		64	MIN		0	AC_FT	94

* Gated outlet assumed closed. See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5423 **Name:** Dysart Chnl @ El Mir

Drainage Area: 58.2 mi²

Period of Record: 06/23/94 to 12/26/95;03/07/97 to current year.*

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 15	60	Feb. 17	280
Sept. 11	50		

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												
2												
3												
4					12							
5					1							
6												
7										1	1	
8												
9					3							
10												
11												4
12												
13												
14												
15					13							
16												
17					49							
18					38							
19												
20												
21												
22												
23												
24					1							
25												
26												
27												
28												
29												
30												
31												

TOTAL	0	0	0	0	115	0	0	0	0	1	1	4
MEAN	0	0	0	0	4	0	0	0	0	0	0	0
MAX	0	1	1	0	278	1	0	0	0	28	34	53
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	1	0	0	229	0	0	0	0	1	2	8

WTR YR 1998	TOTAL	122	MEAN	0	MAX	278	MIN	0	AC_FT	241		

* Gage reinstalled 03/07/1997 on new Dysart Channel. Previously on old Dysart Drain about 1,000 feet upstream of El Mirage Road.

Flood Flow Frequency
(HEC-1 for White Tanks ADMS modified for Dysart Channel Design Analysis)
Magnitude and Probability of Instantaneous Peak Flow
Discharge, in cfs, for Indicated Recurrence Interval
100-year
4,020

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5438 **Name:** McMicken Floodway

Drainage Area: approximately 305 mi²

Period of Record: 09/03/92 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 17	50	Aug. 8	30

Daily Mean Values

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

TOTAL	0	0	3	0	74	0	1	0	0	0	7	0
MEAN	0	0	0	0	3	0	0	0	0	0	0	0
MAX	0	0	7	0	53	0	6	0	0	0	33	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	6	0	147	0	3	0	0	0	15	0

WTR YR 1998	TOTAL	86	MEAN	0	MAX	53	MIN	0	AC_FT	170		

Note: Flows during Water Year 1998 generated below McMicken Dam. No outflow occurred from McMicken Dam into the floodway during Water Year 1998. See also gage ID# 5448.

Flood Flow Frequency		
(FEMA 9/95, "at confluence with McMicken Dam")		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
2,610	4,280	5,090

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5448 **Name:** McMicken Dam

Drainage Area: 247 mi²

Period of Record: Nov. 1987 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

No outflow during Water Year 1998.

	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 1998	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

Drainage Area: 1,628 mi² of which 1,433 mi² is controlled by New Waddel Dam

See *USGS Water-Data Report AZ-98-1* 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

Drainage Area: 600 mi² of which 191 mi² is controlled by Cave Buttes Dam, 164 mi² by New River Dam, and 90 mi² by Adobe Dam

See *USGS Water-Data Report AZ-98-1* for data for this site.

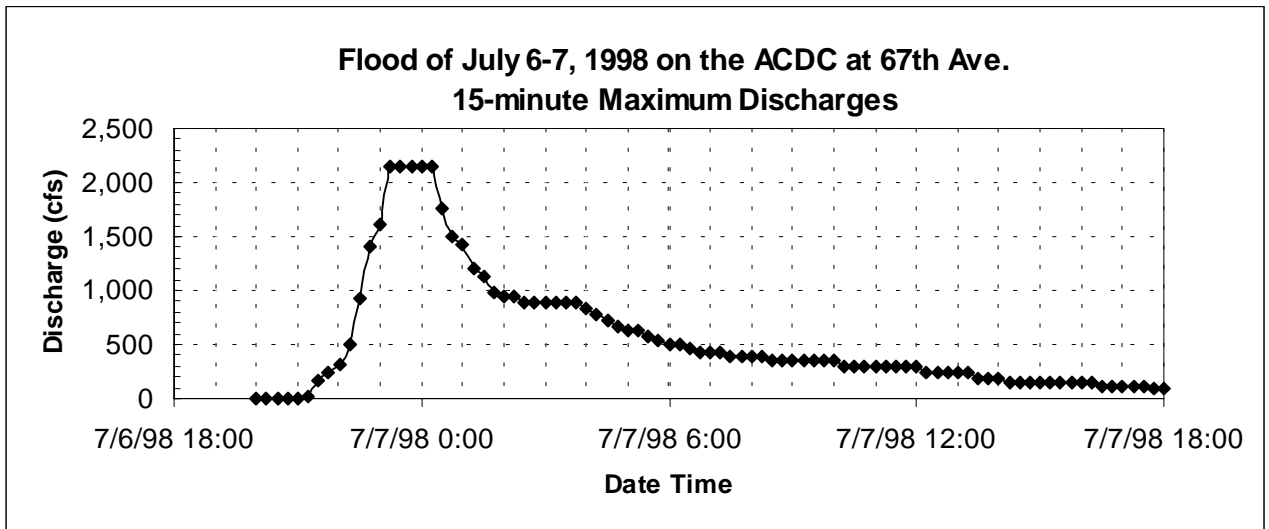
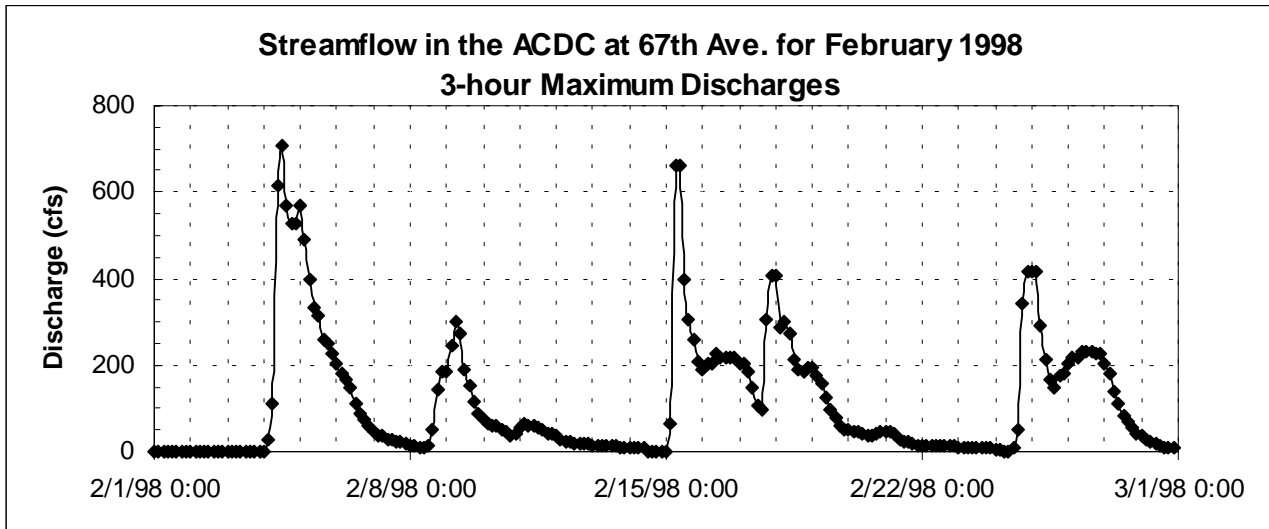
Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5523 **Name:** ACDC @ 67 Av
Drainage Area: 86 mi² at confluence with Skunk Creek
Period of Record: 06/07/90 to current year
Revised Records: WY1996: WY1994-95.
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	710	Feb. 15	660
Mar. 26	530	July 6	2,150*



Continued on the following page.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5523 **Name:** ACDC @ 67 Av (cont.)

Drainage Area: 86 mi² at confluence with Skunk Creek

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

Revised Records: WY1996: WY1994-95.

Discharge, in cfs, Water Year October 1997 to September 1998

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1					1	38					
2							21					
3			1	4			9					2
4				11	362		2					15
5				11	286					7		4
6				1	101	1		2		134	4	7
7		1	76		23	8		1		426		6
8			24		60			1		96	11	2
9			8		152					17		
10			1	26	47					12		6
11		4	1	18	48					10		96
12		4		4	19		17			9		13
13					11		4			3	1	
14		6			3	1		2				
15		1			267	17						
16				4	211	7					64	5
17				1	198					1	18	
18					218	4				19	3	
19					91					1		
20			7		39							
21	1		3		23			3				
22	12		141		13			1		2		11
23			54		8							3
24			13		137							
25			5		198	1					2	
26					217	207						
27					80	74						
28					14	44						
29						90						
30						213						
31						83						
TOTAL	14	15	334	81	2826	753	91	11	0	737	104	170
MEAN	0	1	11	3	101	24	3	0	0	24	3	6
MAX	21	16	225	83	709	529	77	10	0	2152*	128	358
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	28	30	663	160	5606	1493	180	22	1	1461	206	337

WTR YR 1998 TOTAL 5136 MEAN 14 MAX 2152* MIN 0 AC_FT 10187

* Maximum discharge for period of record.

Flood Flow Frequency (computed from USACE design information)					
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

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5538 **Name:** Adobe Dam Outlet

Drainage Area: 89.6 mi² at Adobe Dam

Period of Record: Nov. 1987 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	140	Feb. 15	280
Feb. 18	300	Feb. 25	100

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>								
1																				
2																				
3																				
4					49															
5					28															
6					2															
7										1										
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15					127															
16					23															
17					27															
18					167															
19					9															
20					1															
21																				
22																				
23																				
24																				
25					50															
26					8															
27					1															
28																				
29																				
30																				
31																				

TOTAL	0	0	0	0	495	0	0	0	0	1	0	0								
MEAN	0	0	0	0	18	0	0	0	0	0	0	0								
MAX	0	0	0	0	303	0	0	0	0	6	0	0								
MIN	0	0	0	0	0	0	0	0	0	0	0	0								
AC_FT	0	0	0	0	981	0	0	0	0	1	0	0								

WTR YR 1998	TOTAL		495		MEAN		1		MAX		303		MIN		0		AC_FT		983	

See also Pool Level and Storage Volume data for Adobe Dam.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5543 **Name:** Scatter Wash

Drainage Area: 18.1 mi²

Period of Record: 09/18/96 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows greater than 1.0 ft gage height during Water Year 1998:												
<u>Day</u>	<u>Peak Discharge (cfs)</u>				<u>Day</u>	<u>Peak Discharge (cfs)</u>						
July 6	430				July 7	480						
Sept. 11	440											
Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							2					
2												
3												
4					*							
5												
6										42		
7										194	4	
8										13	3	
9											1	
10												
11												90
12												1
13												
14												
15					133						9	
16											8	
17					45	1						
18					29							
19												
20												
21												
22												
23												
24					35							
25					36							
26						57						
27						1						
28					2	16						
29						19						
30						7						
31												
TOTAL	1	1	1	1	401	102	3	1	1	250	26	92
MEAN	0	0	0	0	14	3	0	0	0	8	1	3
MAX	0	0	0	0	208	242	7	0	0	475	186	444
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	2	2	2	2	795	203	6	2	2	497	52	183
WTR YR 1998	TOTAL	881		MEAN	2		MAX	475	MIN	0	AC_FT	1747

* Event peak from high water marks for 2/4/98 = 150 cfs. No mean values reported.

Flood Flow Frequency
(Channel Design Analysis)
Magnitude and Probability of Instantaneous Peak Flow
Discharge, in cfs, for Indicated Recurrence Interval
100-year
6,100

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

Drainage Area: 64.9 mi²

See *USGS Water-Data Report AZ-98-1* for data for this site.

Flood Flow Frequency (based on HECWRC implementation of Bulletin 17B, n = 38, station skew used based on examination of observed data plots)					
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
1,070	3,960	7,100	11,000	17,300	22,800

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5583 **Name:** Skunk Cr. nr New R.

Drainage Area: approximately 4 mi²

Period of Record: 06/21/95 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows greater than 1.0 ft gage height during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 15	70	Mar. 26	50
July 23	150		

Daily Mean Values

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

TOTAL	0	0	1	0	34	32	6	0	0	7	0	0
MEAN	0	0	0	0	1	1	0	0	0	0	0	0
MAX	0	0	9	5	67	51	12	0	0	154	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	3	1	67	64	13	0	0	14	0	0

WTR YR 1998	TOTAL		82	MEAN	0	MAX	154	MIN	0	AC_FT	162	

Flood Flow Frequency (FEMA 9/95)		
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
Drainage Area: 185 mi² of which 164 mi² are controlled by New River Dam
Period of Record: 04/04/90 to current year*
Revised Records: WY1996: WY1995
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows greater than 0.75 ft gage height during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 15	280	Feb. 18	270
Feb. 25	240	Mar. 29	470

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1							70					
2							31					
3							28					
4							8					
5												
6					2					6		
7										4		
8												
9												
10					115							
11					99							
12					41							
13					4							
14												
15					116							
16					198							
17					121							
18					233							
19					151							
20					100							
21					53							
22					37							
23					15							
24												
25					129							
26					157							
27					90	5						
28					37	67						
29						331						
30						264						
31						144						
TOTAL	0	0	0	0	1698	811	136	0	0	11	0	0
MEAN	0	0	0	0	61	26	5	0	0	0	0	0
MAX	0	0	0	0	283	465	117	0	0	117	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	3368	1608	270	0	0	22	0	0

WTR YR 1998 TOTAL 2656 MEAN 7 MAX 465 MIN 0 AC_FT 5268

* 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.

Note: Most flows represent outflow from New River Dam.

Flood Flow Frequency					
(based on R. W. Cruff analysis, 1995)					
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
1,920	6,510	11,700	21,200	30,500	41,800

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5613 **Name:** New River Outlet

Drainage Area: 164 mi² at New River Dam

Period of Record: Nov. 1987 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 5	160	Feb. 10	240
Feb. 15	350	Feb. 18	330
Feb. 25	280	Mar. 29	590

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1						19	111					
2						7	65					
3						4	59					
4						3	36					
5					92	1	14					
6					66		7					
7					7		4					
8					3		3					
9					25		2					
10					210							
11					130							
12					54							
13					8							
14					4							
15					208							
16					224							
17					146							
18					291							
19					191							
20					131							
21					87							
22					58							
23					20							
24					19							
25					228							
26					193							
27					119	82						
28					63	107						
29						497						
30						346						
31						204						

TOTAL	0	0	0	0	2578	1270	302	0	0	0	0	0
MEAN	0	0	0	0	92	41	10	0	0	0	0	0
MAX	0	0	0	0	350	591	157	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	5114	2519	599	0	0	0	0	0

WTR YR 1998	TOTAL	4150	MEAN	11	MAX	591	MIN	0	AC_FT	8232		

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5968 **Name:** StoneRidge Dam

Drainage Area: 0.86 mi²

Period of Record: 12/11/96 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows greater than 0.75 ft gage height during Water Year 1998:

Day Peak Discharge (cfs)

Feb. 24 16

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2							2					
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17					4							
18					4							
19					4							
20					4							
21					4							
22					4							
23					4							
24					2							
25					4							
26						2						
27						4						
28						1						
29						1						
30												
31												
TOTAL	0	0	0	0	35	8	2	0	0	0	0	0
MEAN	0	0	0	0	1	0	0	0	0	0	0	0
MAX	0	0	0	0	16	6	4	0	0	0	0	4
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	70	15	4	0	0	0	0	0
WTR YR 1998	TOTAL	45	MEAN	0	MAX	16	MIN	0	AC_FT	90		

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5973 **Name:** SunRidge Canyon Dam

Drainage Area: 1.6 mi²

Period of Record: 02/04/97 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:

Day Peak Discharge (cfs)

Feb. 24 33

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

TOTAL	0	0	0	0	12	82	18	0	0	0	0	0
MEAN	0	0	0	0	0	3	1	0	0	0	0	0
MAX	0	0	0	0	33	21	18	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	24	163	36	0	0	0	0	0

WTR YR 1998	TOTAL	112	MEAN	0	MAX	33	MIN	0	AC_FT	223		

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5978 **Name:** GoldenEaglePark Dam
Drainage Area: 7.13 mi² of which 2.02 mi², 2.13 mi², and 1.6 mi² are controlled by Aspen, North Heights, and Sunridge Canyon Dams respectively

Period of Record: 12/12/96 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows above 3 ft gage height during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 4	92	Feb. 15	84
Feb. 24	110		

Daily Mean Values

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

TOTAL	0	0	30	4	123	45	8	0	0	0	1	0
MEAN	0	0	1	0	4	1	0	0	0	0	0	0
MAX	0	0	70	16	110	52	72	0	0	0	23	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	60	8	244	89	15	0	0	0	3	0

WTR YR 1998	TOTAL		211	MEAN		1	MAX	110	MIN	0	AC_FT	418

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5983 **Name:** North Heights Dam

Drainage Area: 2.13 mi²

Period of Record: 10/11/96 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows greater than 50 cfs during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Dec. 8	55	Mar. 26	51

Daily Mean Values

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

TOTAL	0	0	30	0	108	41	15	0	0	2	0	0
MEAN	0	0	1	0	4	1	1	0	0	0	0	0
MAX	0	0	55	0	49	51	46	0	0	3	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	60	0	215	81	30	0	0	3	0	0

WTR YR 1998	TOTAL		196	MEAN	1	MAX	55	MIN	0	AC_FT	389	

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5988 **Name:** Aspen Dam

Drainage Area: 2.02 mi²

Period of Record: 01/02/97 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Dec. 7	25	Feb. 4	30

Daily Mean Values

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

TOTAL	0	0	3	0	10	3	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0			
MAX	0	0	25	0	30	10	0	0	0	0	0	0			
MIN	0	0	0	0	0	0	0	0	0	0	0	0			
AC_FT	0	0	6	0	21	6	0	0	0	0	0	0			

WTR YR 1998	TOTAL		17	MEAN		0	MAX		30	MIN		0	AC_FT		33

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 5993 **Name:** Hesperus Dam

Drainage Area: 2.91 mi²

Period of Record: 12/18/96 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows greater than 1.5 ft gage height during Water Year 1998:

Day Peak Discharge (cfs)

Mar. 26 19

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4					1							
5												
6												
7												
8			1		1							
9												
10					6							
11												
12												
13												
14												
15					2							
16												
17												
18												
19												
20												
21												
22												
23												
24					6							
25												
26						2						
27												
28												
29												
30												
31												
TOTAL	0	0	1	0	16	2	0	0	0	0	0	0
MEAN	0	0	0	0	1	0	0	0	0	0	0	0
MAX	0	0	17	0	16	19	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	2	0	32	4	0	0	0	0	0	0
WTR YR 1998	TOTAL	19	MEAN	0	MAX	19	MIN	0	AC_FT	38		

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

Drainage Area: 1.87 mi²

Period of Record: 06/29/89 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

No outflow during Water Year 1998.*

	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 1998	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC_FT	0	

* Gated outlet assumed closed. 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
Drainage Area: 1.98 mi²
Period of Record: 06/09/93 to current year
Revised Records: WY1996: WY1995
 Discharge, in cfs, Water Year October 1997 to September 1998

No flow during Water Year 1998:

	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 1998	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC_FT	0
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Flood Flow Frequency (based on HEC-1 analysis, 1997)					
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
300	650	990	1,500	2,000	2,400

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6573 **Name:** EMF @ Broadway

Drainage Area: 15.4 mi²

Period of Record: 08/10/89 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 9	440	Aug. 1	320

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1											76	
2											4	
3												
4					24							
5					3							
6												
7												
8					11							
9					149							
10												
11				1								
12												
13												
14												
15					2							
16												
17												
18					6						1	
19												
20					2							
21					1							
22												
23												
24					2							
25					1							
26												
27												
28												
29												
30						3						
31												

TOTAL	0	0	0	1	202	3	0	0	0	0	80	0
MEAN	0	0	0	0	7	0	0	0	0	0	3	0
MAX	0	0	0	4	441	13	0	0	0	0	315	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	2	401	5	0	0	0	0	159	0

WTR YR 1998	TOTAL	286	MEAN	1	MAX	441	MIN	0	AC_FT	567		

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6583 **Name:** EMF @ Queen Creek

Drainage Area: 104.6 mi²

Period of Record: 01/18/89 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows greater than 1.0 ft gage height during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 9	60	Mar. 30	150

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						3	29					
2						1	19					
3						1	13					
4							9					
5												
6					6							
7					3							
8			1									
9					23							
10					31							
11					13							
12					4							
13				1	1							
14				2								
15												
16					11							
17					15							
18					13							
19					10							
20					10							
21					10							
22					14							
23					6							
24					3					2		
25					19							
26					18							
27					11							
28					5							
29												
30						65						
31						66						

TOTAL	0	0	1	3	227	137	69	0	0	2	0	0
MEAN	0	0	0	0	8	4	2	0	0	0	0	0
MAX	0	0	3	3	61	151	33	0	0	7	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	2	7	449	272	137	0	0	5	0	0

WTR YR 1998 TOTAL 440 MEAN 1 MAX 151 MIN 0 AC_FT 872

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6598 **Name:** EMF @ Arizona Ave.

Drainage Area: 214 mi² at Hunt Hwy 8 mi upstream

Period of Record: 02/10/89 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 10	50	Feb. 11	50
Apr. 1	90	Apr. 2	50

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1						5	41					
2							34					
3							18					
4					17							
5												
6												
7												
8												
9												
10					10							
11					45							
12					34							
13					21							
14												
15												
16												
17												
18												
19					16							
20					6							
21												
22					1							
23												
24												
25												
26												
27					15							
28					17							
29												
30												
31												

TOTAL	0	0	0	0	183	5	92	0	0	0	0	0
MEAN	0	0	0	0	7	0	3	0	0	0	0	0
MAX	0	0	0	0	51	0	86	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	362	11	183	0	0	0	0	0

WTR YR 1998	TOTAL		280	MEAN	1	MAX	86	MIN	0	AC_FT	556	

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6603 **Name:** Guadalupe Channel
Drainage Area: 13.7 mi² (discharge under US 60 limited to 1,800 cfs; drainage area downstream of US 60 about 1.5 mi² (1.2 mi² east of Sossamon Road & south of US 60)
Period of Record: 08/07/98 to current year*
 Discharge, in cfs, Water Year October 1997 to September 1998

No flow above instrument since installation during Water Year 1998.**

	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	---	---	---	---	---	---	---	---	---	---	0	0
MEAN	---	---	---	---	---	---	---	---	---	---	0	0
MAX	---	---	---	---	---	---	---	---	---	---	0	0
MIN	---	---	---	---	---	---	---	---	---	---	0	0
AC_FT	---	---	---	---	---	---	---	---	---	---	0	0
WTR YR 1998			TOTAL	0	MEAN	0	MAX	0	MIN	0	AC_FT	0

* Gage installed 8/7/98.

** About 50 cfs passes station before detected by instrument.

Flood Flow Frequency (from design sheets)
Magnitude and Probability of Instantaneous Peak Flow
Discharge, in cfs, for Indicated Recurrence Interval
100-year
2,400

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6628 **Name:** Signal Butte FRS
Drainage Area: 16.4 mi² not including area from Apache Junction FRS
Period of Record: 11/10/87 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

No outflow during Water Year 1998.*

	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 1998	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 1998. 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

Drainage Area: 5.8 mi²

Period of Record: Nov. 1987 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows greater than 20 cfs during Water Year 1998:

Day Peak Discharge (cfs)

Feb. 24 21

Daily Mean Values

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

TOTAL	2	0	1	0	40	6	0	0	0	0	1	0
MEAN	0	0	0	0	1	0	0	0	0	0	0	0
MAX	14	0	7	0	21	13	0	0	0	0	6	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	3	0	3	0	80	12	0	0	0	0	1	0

WTR YR 1998	TOTAL		50	MEAN	0	MAX	21	MIN	0	AC_FT	99	

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

Drainage Area: 49.9 mi²

Period of Record: 12/03/92 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:

Day Peak Discharge (cfs)

Feb. 4

6

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1												
2												
3												
4					2							
5					2							
6												
7												
8												
9					1							
10												
11												
12												
13												
14												
15					2							
16					2							
17												
18												
19												
20												
21					1							
22			2		1							
23												
24					1							
25												
26												
27												
28												
29												
30												
31												

TOTAL	0	0	2	0	12	0	0	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	4	0	6	0	0	0	0	2	3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	4	0	23	0	0	0	0	2	1	0

WTR YR 1998 TOTAL 15 MEAN 0 MAX 6 MIN 0 AC_FT 30

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

Drainage Area: 57.8 mi²

Period of Record: Nov. 1987 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:

Day Peak Discharge (cfs)

July 22

43

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1						2						
2												
3												
4												
5												
6												
7												
8												
9												
10					2							
11					2							
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22										15		
23										28		
24										16		
25					4					10		
26					7					5		
27					5					3		
28					3					2		
29										1		
30										1		
31												

TOTAL	0	0	0	0	23	2	0	0	0	81	1	0
MEAN	0	0	0	0	1	0	0	0	0	3	0	0
MAX	0	0	0	0	7	2	0	0	0	43	1	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	46	5	0	0	0	161	1	0

WTR YR 1998 TOTAL 107 MEAN 0 MAX 43 MIN 0 AC_FT 213

Note: Instrument elevation at 6 ft gage height for period 02/02/98 to 02/25/98. Therefore, no data less than 6 ft recorded during this time. Multiple events missed. Probable events occurred on 2/4, 2/9, 2/15, 2/17, 2/20, and 2/24. Data shown for 2/10-11 estimated from field observations. See also #6703.

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

Drainage Area: 51.3 mi²

Period of Record: 09/27/88 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows greater than 3.0 ft gage height during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Feb. 9	56	Feb. 15	78
Feb. 18	37	Feb. 24	50

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												
2												
3												
4					5							
5												
6												
7												
8					4							
9					35							
10					4							
11					1							
12												
13												
14												
15					53							
16					21							
17					2							
18					28							
19					7							
20					8							
21					15							
22			11		2							
23										1		
24					16							
25					26							
26					3							
27					1	1						
28												
29												
30						9						
31												
TOTAL	0	0	11	0	232	10	0	0	0	1	0	0
MEAN	0	0	0	0	8	0	0	0	0	0	0	0
MAX	0	0	28	0	78	21	0	0	0	2	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	21	0	461	19	0	0	0	2	0	0
WTR YR 1998	TOTAL		254	MEAN	1	MAX	78	MIN	0	AC_FT	504	

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6707* **Name:** Queen Ck. @ Rittenhouse
Period of Record: 09/14/93 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

No flow above gage during Water Year 1998.
 Minimum flow recorded by gage is about 105 cfs at 1.4 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 1998	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC_FT	0	

* Gage ID number changed during Water Year 1997 from 6713 to 6707 to mitigate radio interference problems.

Flood Control District Of Maricopa County ALERT System
Computation Of Continuous Records Of Streamflow

Station Number: 6738 **Name:** Whitlow Ranch Dam
Drainage Area: 143 mi²
Period of Record: FCDMC 1/8/98 to current year

Refer to U.S. Army Corps of Engineers, Los Angeles District for official data at this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6813 **Name:** Buckeye FRS #3

Drainage Area: 9.3 mi²

Period of Record: 11/23/92 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:

Day Peak Discharge (cfs)

Aug. 11 44

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1												
2												
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8												
9												
10												
11											5	
12											4	
13												
14												
15					1							
16												
17					1							
18												
19												
20												
21												
22												
23												
24					1							
25												
26												
27												
28												
29												
30												
31												

TOTAL	0	0	0	0	4	0	0	0	0	0	9	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	7	0	0	0	0	0	44	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	9	0	0	0	0	0	18	1

WTR YR 1998	TOTAL	14	MEAN	0	MAX	44	MIN	0	AC_FT	28
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Note: Because of local drawdown effects at the gage on the principle outlet, discharges for stages below about 1 foot gage height are approximate. 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
Drainage Area: 18.6 mi² (White Tanks ADMS)
Period of Record: Nov. 1987 to current year
 Discharge, in cfs, Water Year October 1997 to September 1998

No outflow during Water Year 1998.

	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 1998	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

Drainage Area: 45,585 mi²

See *USGS Water-Data Report AZ-98-1* for data for this site.

Flood Flow Frequency (source: Table 2-4 from Study for Modified Roosevelt Dam)				
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: 6863 **Name:** Gila River @ 115th Ave.

Drainage Area: approximately 43,300 mi²

Period of Record: 11/6/97 to current year*

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Apr. 3	2,100	Apr. 13	5,000

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1			97	83	92	115	153	126	109	122	100	101
2			94	84	81	150	1303	123	105	121	99	98
3			95	86	80	145	1947	129	98	121	101	92
4			93	89	99	150	1678	126	102	121	98	100
5			91	91	105	155	1436	117	103	115	98	107
6		89	91	82	98	155	1324	120	106	125	100	101
7		100	104	81	99	136	1215	121	98	129	100	106
8		107	135	79	100	143	602	117	99	124	102	110
9		111	125	80	119	104	241	115	98	124	100	99
10		107	123	83	105	95	186	114	103	125	108	104
11		102	123	96	127	90	152	116	104	121	105	115
12		105	124	97	118	91	1247	115	108	117	107	108
13		120	126	95	102	91	3266	113	110	118	103	110
14		120	106	95	99	91	3876	112	114	118	97	112
15		120	92	93	113	93	2681	110	119	115	97	103
16		120	86	93	109	97	1235	110	120	105	99	104
17		120	85	92	115	95	374	111	120	96	110	98
18		120	85	92	118	109	182	112	121	95	102	97
19		120	85	94	118	109	150	109	124	94	101	108
20		103	88	94	103	91	141	103	125	112	100	128
21		99	92	108	103	98	135	104	124	92	100	143
22		106	95	93	108	133	130	109	121	93	99	139
23		113	94	91	127	143	125	107	121	100	100	142
24		109	90	92	123	150	121	106	131	100	103	138
25		96	84	95	121	156	111	112	117	99	102	130
26		97	80	94	113	161	111	147	120	97	101	126
27		98	88	91	107	160	115	144	123	100	104	134
28		93	87	90	106	150	116	141	125	104	101	118
29		97	91	90		150	118	147	128	98	99	102
30		95	89	91		146	124	121	129	100	101	99
31			86	90		135		105		100	103	

TOTAL	---	3047	3024	2806	3008	3886	24592	3665	3425	3402	3141	3373
MEAN	---	102	98	91	107	125	820	118	114	110	101	112
MAX	---	142	170	136	161	209	4962	169	151	146	140	171
MIN	---	59	54	52	58	56	80	77	74	67	69	67
AC_FT	---	6044	5998	5565	5967	7709	48777	7269	6793	6748	6229	6690

WTR YR 1998	TOTAL	57369	MEAN	164	MAX	4962	MIN	52	AC_FT	113789		

* Gage installed 11/6/97.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

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

Drainage Area: 1.0 mi²

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

Revised Records: WY1997: WY 1996

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Jan. 10	20	Sept. 11	80

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------

1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												21
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

TOTAL	0	0	0	0	0	0	0	0	0	0	0	21
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	18	0	0	0	0	0	0	0	82
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	41

WTR YR 1998 TOTAL 2 MEAN 0 MAX 82 MIN 0 AC_FT 41

Flood Flow Frequency (HEC-1 analysis, 1997)					
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
310	860	1,280	1,800	2,250	2,710

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6923 **Name:** Sauceda Wash

Drainage Area: 126 mi²

Period of Record: 02/28/90 to current year*

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998.**

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Oct. 22	430	Feb. 9	500
Aug. 12	310	Aug. 25	1,320***

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
9					49							
12											14	
22	20											
23	8											
24												
25											207	
TOTAL	28	0	0	0	49	0	0	0	0	0	221	0
MEAN	1	0	0	0	2	0	0	0	0	0	7	0
MAX	426	0	0	0	501	0	0	0	0	0	1320***	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	55	0	0	0	97	0	0	0	0	0	438	0

WTR YR 1998 TOTAL 298 MEAN 1 MAX 1825 MIN 0 AC_FT 591

* 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.

** See also USGS crest stage gage, 09519760, data for this site.

*** Peak discharge as computed by USGS for this event assuming partial blockage of culverts due to debris observed following the event. Unobstructed peak discharge = 1830 cfs.

Flood Flow Frequency					
(based on HECWRC implementation of Bulletin 17B, n = 25, station skew used based on examination of observed data plots)					
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
530	1,640	2,610	3,640	5,020	6,040

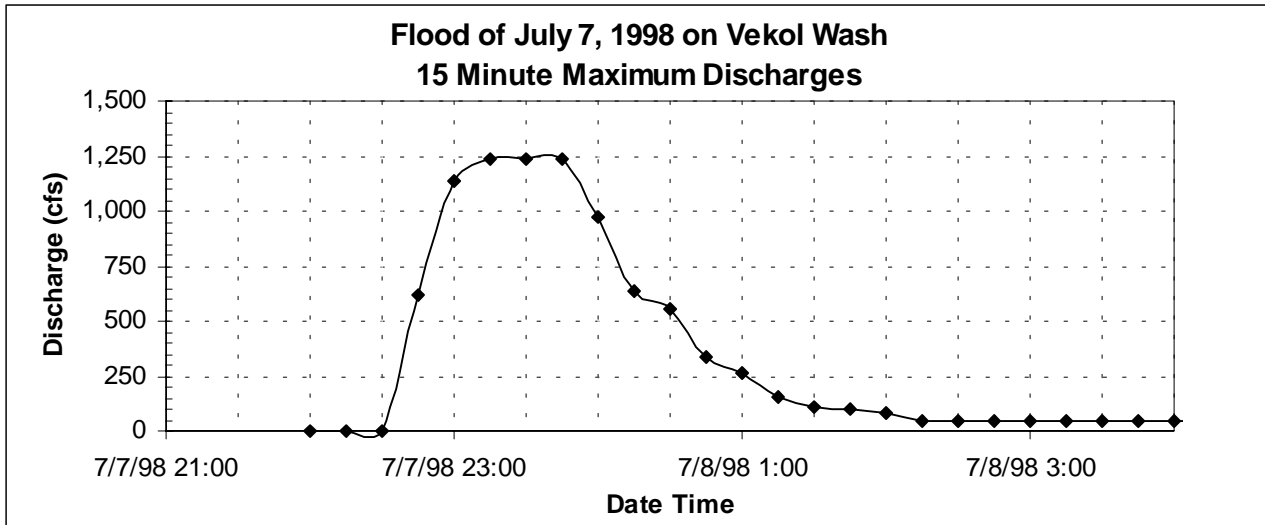
Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6983 **Name:** Vekol Wash
Drainage Area: 150 mi²
Period of Record: USGS ID# 09488650 -- 1990-1996; USGS continuous station discontinued Sept. 1996; FCDMC -- continuous station 03/07/90 to current year*
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:*

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
July 7	1,230		



* See also USGS crest stage gage, 09488650, Oct. 1996 to current year.

Flood Flow Frequency					
(based on regional equations for Region 13 as shown in USGS WSP 2433)					
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
1,600	3,660	5,700	9,030	12,000	15,600

Continued on following page.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 6983 **Name:** Vekol Wash (cont.)
Drainage Area: 150 mi²
Period of Record: USGS ID# 09488650 -- 1990-1996; USGS continuous station discontinued Sept. 1996; FCDMC -- continuous station 03/07/90 to current year*
 Discharge, in cfs, Water Year October 1997 to September 1998

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												25
5										1		
6												21
7										61		1
8					2					32		
9					78							1
10											6	
11												9
12												
13												
14											9	
15												
16												
17												
18												
19												
20												
21												
22										6		
23										2		
24												
25												
26												
27												
28												
29												
30												
31												
TOTAL	0	0	0	0	80	0	0	0	0	102	15	57
MEAN	0	0	0	0	3	0	0	0	0	3	0	2
MAX	0	0	0	0	257	0	0	0	0	1234	126	269
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	159	0	0	0	0	203	29	113
WTR YR 1998	TOTAL	254	MEAN	1	MAX	1234	MIN	0	AC_FT	504		

* See also USGS crest stage gage, 09488650, Oct. 1996 to current year.

Flood Control District Of Maricopa County ALERT System Computation Of Continuous Records Of Streamflow

Station Number: 7013 **Name:** Martinez Creek

Drainage Area: 109 mi²

Period of Record: 11/23/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

No flows above instrument during Water Year 1998.*

	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 1998	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC_FT	0		

* About 820 cfs pass below the instrument following significant scour of the channel after the 9/26/97 flood.

Note: Flows below 3,000 cfs are considered approximate at best due to multiple channel configuration of Martinez Creek in this area. Even above 3,000 cfs the rating is still considered poor due to the expanding downstream reach, mobile bed conditions, and the angle of attack of flow at the gage.

Flood Flow Frequency					
(based on R. W. Cruff analysis, 1995 combining FEMA, 1994 and Box Canyon relation shape)					
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
1,520	5,000	9,220	18,000	27,400	32,000

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7043 **Name:** Sols Wsh nr Matthie

Drainage Area: 121 mi²

Period of Record: 08/04/95 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flow of interest during Water Year 1998:*

Day Peak Discharge (cfs)

Aug. 12 300

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
12											57			
TOTAL	0	0	0	0	0	0	0	0	0	0	57	0		
MEAN	0	0	0	0	0	0	0	0	0	0	2	0		
MAX	0	0	0	0	0	0	0	0	0	0	299	0		
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	114	0		
WTR YR 1998	TOTAL		57	MEAN		0	MAX		299	MIN		0	AC_FT	114

* About 220 cfs pass below the instrument following significant scour of the channel after the 9/26/97 flood.

Flood Flow Frequency (FEMA 9/95)		
Magnitude and Probability of Instantaneous Peak Flow		
Discharge, in cfs, for Indicated Recurrence Interval		
10-year	50-year	100-year
4,800	9,800	12,250

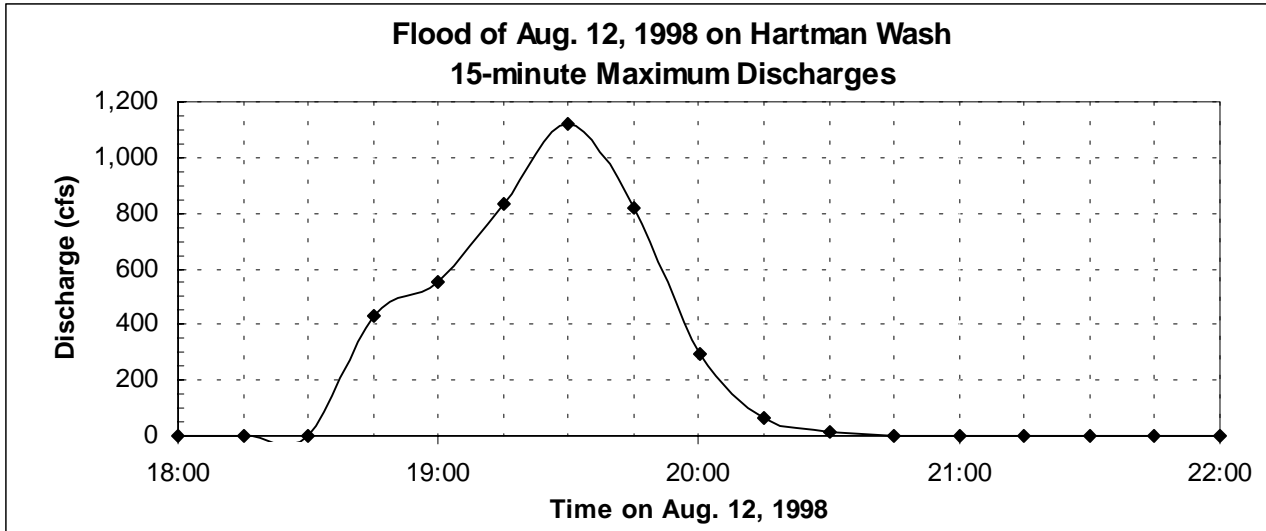
Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7063 **Name:** Hartman Wash
Drainage Area: 5.4 mi²
Period of Record: 07/06/94 to current year
Revised Records: WY1996: WY1995
Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
July 21	290	Aug. 8	220
Aug. 12	1,120		



DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
8												2
12												29
21											4	
TOTAL	0	0	0	0	0	0	0	0	0	4	31	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	294	1120	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	8	61	0
WTR YR 1998	TOTAL		35	MEAN	0	MAX	1120	MIN	0	AC_FT	69	

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 (based on HECWRC implementation of Bulletin 17B, n = 24, station skew used based on examination of observed data plots)					
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
200	1,020	1,890	2,840	4,110	4,990

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7083 **Name:** Flying E Wash
Drainage Area: 8.5 mi² (4 mi² partially controlled by 3 stock tanks)
Period of Record: 07/12/94 to present year
Revised Records: WY1996: WY1994-95
 Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Aug. 7	50	Aug. 12	170

Daily Mean Values

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

TOTAL	0	0	13	2	12	0	0	0	0	2	4	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	42	32	39	0	0	0	0	42	171	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	25	4	24	0	0	0	0	3	7	0

WTR YR 1998 TOTAL 32 MEAN 0 MAX 171 MIN 0 AC_FT 64

Flood Flow Frequency (based on Wickenburg ADMS HEC-1 and R. W. Cruff, 1995 graphical extension)					
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
890	2,200	3,490	4,770	5,860	6,940

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7093 **Name:** Casandro Wash

Drainage Area: 0.61 mi²

Period of Record: 07/12/94 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

No flow except on following day during Water Year 1998:
Day **Peak Discharge (cfs)**

Aug. 12 150*

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12											2*	
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
TOTAL	0	0	0	0	0	0	0	0	0	0	2	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	151*	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	5	0
WTR YR 1998	TOTAL	2*	MEAN	0	MAX	151*	MIN	0	AC_FT	5*		

* Maximum estimated from high water marks at gage. Hydrograph estimated from data at 7133.

Flood Flow Frequency					
(based on FEMA, 9/95 and R. W. Cruff, 1995 graphical extension)					
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
5	20	50	200	500	800

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Streamflow

Station Number: 7113 **Name:** Powder House Wash

Drainage Area: 1.8 mi²

Period of Record: 05/18/95 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak flows of interest during Water Year 1998:

<u>Day</u>	<u>Peak Discharge (cfs)</u>	<u>Day</u>	<u>Peak Discharge (cfs)</u>
Aug. 11	210	Aug. 12	130

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												2
11												5
12												25
13												6
24												2
25												3
31												1
TOTAL	0	0	0	0	0	0	0	0	0	0	41	2
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	0	211	12
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC_FT	0	0	0	0	0	0	0	0	0	0	81	4
WTR YR 1998	TOTAL	43	MEAN	0	MAX	211	MIN	0	AC_FT	85		

Flood Flow Frequency (FEMA, 9/95)		
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

Drainage Area: 1.3 mi²

Period of Record: 08/15/96 to current year

Discharge, in cfs, Water Year October 1997 to September 1998

Peak outflows of interest during Water Year 1998:

Day Peak Discharge (cfs)

Aug. 12 12

Daily Mean Values

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

TOTAL	0	0	0	0	0	0	0	0	0	0	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	12	0		
MIN	0	0	0	0	0	0	0	0	0	0	0	0		
AC_FT	0	0	0	0	0	0	0	0	0	0	7	0		

WTR YR 1998	TOTAL		3	MEAN		0	MAX		12	MIN		0	AC_FT	7

See also Pool Level and Storage Volume Data.

Flood Control District Of Maricopa County ALERT System
Computation Of Continuous Records Of Reservoir Depths

Station Number: 769 **Name:** Tat Momolikot Dam
Drainage Area: 1,780 mi²
Period of Record: 1/21/98 to current year

Refer to U.S. Army Corps of Engineers, Los Angeles District for official data for this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 4563 **Name:** Spookhill FRS
Drainage Area: 13.6 mi²
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998.

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 9	2.37	Feb. 20	2.19
Mar. 30	2.09	Aug. 1	4.69

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	1.8	0.6
2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6
3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
4	0.6	0.6	0.6	0.6	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6
5	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
9	0.6	0.6	0.6	0.6	1.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
10	0.6	0.6	0.6	0.6	1.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
11	0.6	0.6	0.6	0.6	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6
12	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
13	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
14	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15	0.6	0.6	0.6	0.6	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
16	0.6	0.6	0.6	0.6	1.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
17	0.6	0.6	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6
18	0.6	0.6	0.6	0.6	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
19	0.6	0.6	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6
20	0.6	0.6	0.6	0.6	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
21	0.6	0.6	0.6	0.6	1.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
22	0.6	0.6	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6
23	1.0	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
24	0.6	0.6	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6
25	0.6	0.6	0.6	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26	0.6	0.6	0.6	0.6	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
27	0.6	0.6	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6
28	0.6	0.6	0.6	0.6	0.8	0.6	0.6	0.6	0.6	0.6	0.6	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
30	0.6	0.6	0.6	0.6	---	1.5	0.6	0.6	0.6	0.6	0.6	0.6
31	0.6	---	0.6	0.6	---	1.3	---	0.6	---	0.7	0.6	---
MEAN	0.6	0.6	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6
MAX	1.6	0.6	0.6	0.7	2.4	2.1	0.9	0.6	0.6	4.3	4.7	0.6
MIN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

WTR YR 1998 MEAN 0.62 MAX 4.69 MIN 0.59

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
Drainage Area: 1.18 mi²
Period of Record: 03/02/94 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 4	0.82	July 6	1.20

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	0.1	0.1	0.1	0.1	0.8	0.1	0.1	0.1	0.1	1.2	0.1	0.1
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
WTR YR 1998	MEAN	0.10	MAX	1.20	MIN	0.10						

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: 4653 **Name:** Tatum Wash Basin

Drainage Area: mi²

Period of Record: 05/08/98 to current year*

Depth, in feet, Water Year October 1997 to September 1998

No impoundments since installation during Water Year 1998:*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	---	---	---	---	---	0.1	0.1	0.1	0.1	0.1
MAX	---	---	---	---	---	---	---	0.1	0.1	0.1	0.1	0.1
MIN	---	---	---	---	---	---	---	0.1	0.1	0.1	0.1	0.1
WTR YR 1998	MEAN	0.05	MAX	0.05	MIN	0.05						

* Gage installed 5/8/98.

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
Drainage Area: 0.68 mi²
Period of Record: 01/18/94 to current year
 Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 4	2.50	Feb. 15	2.45
July 6	2.62		

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.9	0.0	0.2	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.2	0.2	0.0
7	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0
8	0.0	0.0	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0
9	0.0	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0
10	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
11	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
12	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.1	0.0
16	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.0
17	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.1	0.2	0.0
18	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.2	0.1	0.0
19	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.0
20	0.0	0.0	0.0	0.0	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
23	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
24	0.0	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0
26	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.1	0.0
27	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.3	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.2	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.1	---	0.0	---	0.0	0.0	---
MEAN	0.0	0.0	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	1.5	0.8	2.5	1.5	1.4	0.5	0.0	2.6	1.3	0.8
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 1998 MEAN 0.05 MAX 2.62 MIN 0.00

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
Drainage Area: 3.52 mi² (1.86 mi² controlled by EFCC #1 and EFCC #4)
Period of Record: 09/13/94 to current year
 Depth, in feet, Water Year October 1997 to September 1998

Impoundment occurred on following day during Water Year 1998:*

<u>Day</u>	<u>Maximum Level (ft)</u>
July 6	0.65

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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
MAX	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.6	0.2	0.2
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
WTR YR 1998	MEAN	0.15	MAX	0.65	MIN	0.15						

* Flows up to about the 2-year are passed beneath the detention basin via storm drains. Also, the events during WY 1998 appear to have been caused by local flow from the area immediate to the gage only.

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
Revised Records: WY1996: WY1995
Drainage Area: 1.3 mi²
 Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 24	5.96	Mar. 26	4.98
Aug. 15	3.22		

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	0.2	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	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.1	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	0.2	0.0	0.0
8	0.0	0.0	0.1	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	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0
16	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.5	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.2	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	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	1.7	0.0	6.0	5.0	0.3	0.0	0.0	0.4	3.2	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WTR YR 1998	MEAN	0.02	MAX	5.96	MIN	0.00						

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: 4818 **Name:** 10 St.Wash Basin #1
Period of Record: 11/26/96 to current year
Depth, in feet, Water Year October 1997 to September 1998

Impoundments of interest occurred on following days during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 4	1.92	Feb. 15	1.70
Mar. 26	1.48	Aug. 15	1.95

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	0.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.4	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.3
17	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	0.3	0.3	0.7	0.4	1.9	1.5	0.3	0.3	0.3	1.4	2.0	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 1998	MEAN	0.31	MAX	1.95	MIN	0.30						

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
Drainage Area: 191 mi²
 Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 4	13.0*	Feb. 15	14.2
Feb. 17	10.4	Feb. 25	15.0
Mar. 29	12.1		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
3	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4	1.9	1.9	1.9	1.9	8.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5	1.9	1.9	1.9	1.9	9.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9
6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10	1.9	1.9	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
11	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
12	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
13	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
14	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
15	1.9	1.9	1.9	1.9	10.4	1.9	1.9	1.9	1.9	1.9	2.3	1.9
16	1.9	1.9	1.9	1.9	6.8	1.9	1.9	1.9	1.9	1.9	3.2	1.9
17	1.9	1.9	1.9	1.9	3.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
18	1.9	1.9	1.9	1.9	5.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9
19	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
20	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
21	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
22	1.9	1.9	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
23	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24	1.9	1.9	1.9	1.9	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9
25	1.9	1.9	1.9	1.9	12.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9
26	1.9	1.9	1.9	1.9	5.1	2.1	1.9	1.9	1.9	1.9	1.9	1.9
27	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
28	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
29	1.9	1.9	1.9	1.9	---	9.4	1.9	1.9	1.9	1.9	1.9	1.9
30	1.9	1.9	1.9	1.9	---	3.9	1.9	1.9	1.9	1.9	1.9	1.9
31	1.9	---	1.9	1.9	---	1.9	---	1.9	---	1.9	1.9	---
MEAN	1.9	1.9	1.9	1.9	3.6	2.2	1.9	1.9	1.9	1.9	2.0	1.9
MAX	1.9	1.9	6.5	1.9	15.0	12.1	1.9	1.9	1.9	1.9	9.0	1.9
MIN	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9

WTR YR 1998 MEAN 2.07 MAX 15.00 MIN 1.90

* Maximum from high water marks.

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 1997 to September 1998

No impoundment during Water Year 1998.

	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 1998	MEAN	0.00	MAX	0.00	MIN	0.00						

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
Drainage Area: 29.6 mi² excluding area brought in from Harquahala FRS
 Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundment during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>											
Sept. 9	0.4											
	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	0.3	0.3	0.4
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
WTR YR 1998	MEAN	0.30	MAX	0.40	MIN	0.30						

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
Drainage Area: 102.3 mi²
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
July 23	8.29	Aug. 12	14.05

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	0.4	0.4	0.4	0.4	0.6	0.4	0.4	0.4	0.4	2.1	0.4
2	1.9	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	1.7	0.4
3	1.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.7	0.4
4	1.6	0.4	0.4	0.4	0.6	0.4	0.4	0.4	0.4	0.4	1.5	0.4
5	1.5	0.4	0.4	0.4	1.0	0.4	0.4	0.4	0.4	0.6	1.4	0.4
6	1.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	1.3	0.4
7	1.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	1.1	0.4
8	1.2	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	1.0	0.4
9	1.1	0.4	0.4	0.4	2.2	0.4	0.4	0.4	0.4	0.4	0.9	0.4
10	1.0	0.4	0.4	0.4	1.9	0.4	0.4	0.4	0.4	0.4	1.0	0.4
11	1.0	0.4	0.4	0.4	2.0	0.4	0.4	0.4	0.4	0.4	0.8	0.4
12	1.0	0.4	0.4	0.4	1.7	0.4	0.4	0.4	0.4	0.4	2.0	0.4
13	0.9	0.4	0.4	0.4	1.5	0.4	0.4	0.4	0.4	0.4	12.8	0.4
14	0.8	0.4	0.4	0.4	1.4	0.4	0.4	0.4	0.4	0.4	9.6	0.4
15	0.7	0.4	0.4	0.4	1.7	0.4	0.4	0.4	0.4	0.4	3.2	0.4
16	0.6	0.4	0.4	0.4	1.7	0.4	0.4	0.4	0.4	0.4	0.6	0.4
17	0.5	0.4	0.4	0.4	1.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4
18	0.5	0.4	0.4	0.4	1.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
19	0.4	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4
20	0.5	0.4	0.4	0.4	1.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
21	0.4	0.4	0.6	0.4	1.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4
22	0.4	0.4	1.7	0.4	1.7	0.4	0.4	0.4	0.4	1.1	0.4	0.4
23	0.4	0.4	1.4	0.4	1.6	0.4	0.4	0.4	0.4	7.8	0.4	0.4
24	0.4	0.4	1.0	0.4	1.6	0.4	0.4	0.4	0.4	6.4	0.4	0.4
25	0.4	0.4	0.7	0.4	1.5	0.4	0.4	0.4	0.4	5.4	0.4	0.4
26	0.4	0.4	0.5	0.4	1.2	0.4	0.4	0.4	0.4	4.6	0.4	0.4
27	0.4	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.4	3.8	0.4	0.4
28	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4	3.2	0.4	0.4
29	0.4	0.4	0.4	0.4	---	0.4	0.4	0.4	0.4	2.8	0.4	0.4
30	0.4	0.4	0.4	0.4	---	0.4	0.4	0.4	0.4	2.5	0.4	0.4
31	0.4	---	0.4	0.4	---	0.4	---	0.4	---	2.2	0.4	---
MEAN	0.8	0.4	0.5	0.4	1.2	0.4	0.4	0.4	0.4	1.6	1.6	0.4
MAX	1.9	0.4	1.7	0.4	2.3	0.5	0.4	0.4	0.4	8.3	14.1	0.4
MIN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

WTR YR 1998 MEAN 0.69 MAX 14.05 MIN 0.38

Note: Gated outlet not opened. Therefore, many days of post-flood impoundment.

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
Drainage Area: 74 mi² without area from Buckeye FRS #2 and #3
Depth, in feet, Water Year October 1997 to September 1998

Impoundment occurred only on following day during Water Year 1998:
Day **Maximum Level (ft)**

Feb. 8 -2.29

	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	-2.5	-2.5	-2.5
MAX	-2.5	-2.5	-2.5	-2.5	-2.3	-2.5	-2.5	-2.5	-2.5	-2.5	-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 1998 MEAN -2.49 MAX -2.29 MIN -2.49

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.

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
Drainage Area: 5.7 mi² without area from Buckeye FRS #3
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 24	0.69	Aug. 11	0.19

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
2	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
3	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
5	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
6	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
7	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
8	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
9	-1.4	-1.4	-1.4	-1.4	-1.3	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
10	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
11	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.2	-1.4
12	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-0.9	-1.4
13	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3	-1.4
14	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
15	-1.4	-1.4	-1.4	-1.4	-1.3	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
16	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
17	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
18	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
19	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
20	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
21	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
22	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
23	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
24	-1.4	-1.4	-1.4	-1.4	-1.0	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
25	-1.4	-1.4	-1.4	-1.4	-1.3	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
26	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
27	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
28	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
29	-1.4	-1.4	-1.4	-1.4	---	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
30	-1.4	-1.4	-1.4	-1.4	---	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
31	-1.4	---	-1.4	-1.4	---	-1.4	---	-1.4	---	-1.4	-1.4	---
MEAN	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
MAX	-1.4	-1.4	-1.2	-1.4	0.7	-1.4	-1.4	-1.4	-1.4	-1.4	0.2	-1.4
MIN	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
<hr/>												
WTR YR 1998	MEAN	-1.39	MAX	0.69	MIN	-1.39						

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
Drainage Area: 0.95 mi² (from Wickenburg ADMS)
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Aug. 12	5.15	Aug. 13	5.38

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	0.7	0.7	0.8	0.7	1.6	2.0	0.7	0.7	0.7	0.7	0.8
2	5.7	0.7	0.7	0.7	0.7	1.4	2.2	0.7	0.7	0.7	0.7	0.7
3	4.9	0.7	0.7	1.1	0.8	1.3	2.0	0.7	0.7	0.7	0.7	0.7
4	4.0	0.7	0.7	1.6	2.8	1.0	1.8	0.7	0.7	0.7	0.7	0.9
5	2.8	0.7	0.7	1.9	2.9	0.8	1.6	0.7	0.7	0.7	0.7	0.7
6	0.7	0.7	0.7	1.7	2.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7
7	0.7	0.7	2.2	1.6	2.4	0.7	1.4	0.7	0.7	0.7	0.7	0.7
8	0.7	0.7	2.2	1.5	2.3	0.8	1.2	0.7	0.7	0.7	3.0	0.7
9	0.7	0.7	2.0	1.3	3.4	0.7	0.9	0.7	0.7	0.7	2.6	0.7
10	0.7	0.7	1.8	1.9	3.4	0.7	0.7	0.7	0.7	0.7	2.2	0.7
11	0.7	0.7	1.6	2.5	3.2	0.7	0.7	0.7	0.7	0.7	1.8	0.7
12	0.7	0.7	1.5	2.3	2.9	0.7	1.2	0.7	0.7	0.7	2.3	0.7
13	0.7	0.7	1.3	2.1	2.7	0.7	1.6	1.2	0.7	0.7	4.9	0.7
14	0.7	0.7	0.9	1.9	2.5	0.7	1.4	1.1	0.7	0.7	3.2	0.7
15	0.7	0.7	0.8	1.7	2.8	0.7	1.3	0.7	0.7	0.7	0.7	0.7
16	0.7	0.7	0.7	1.6	2.6	0.7	1.1	0.7	0.7	0.7	0.7	0.7
17	0.7	0.7	0.7	1.4	2.9	0.7	0.9	0.7	0.7	0.7	0.7	0.7
18	0.7	0.7	0.8	1.3	4.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
19	0.7	0.7	0.7	1.1	3.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7
20	0.7	0.7	0.7	0.9	3.5	0.7	0.7	0.7	0.7	1.7	0.7	0.7
21	0.7	0.7	0.8	0.8	3.4	0.7	0.7	0.7	0.7	1.6	0.7	0.7
22	0.7	0.7	2.9	0.7	3.2	0.7	0.7	0.7	0.7	1.8	0.7	0.7
23	0.7	0.7	2.8	0.7	2.9	0.7	0.7	0.7	0.7	1.5	0.7	0.7
24	0.7	0.7	2.5	0.7	2.7	0.7	0.7	0.7	0.7	1.2	0.8	0.7
25	0.7	0.7	2.3	0.7	2.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7
26	0.7	0.7	2.0	0.7	2.4	2.1	0.7	0.7	0.7	0.7	0.7	0.7
27	0.7	0.7	1.8	0.7	2.1	2.0	0.7	0.7	0.7	0.7	0.7	0.7
28	0.7	0.7	1.6	0.7	1.7	2.1	0.7	0.7	0.7	0.7	0.7	0.7
29	0.7	0.7	1.5	0.7	---	2.4	0.7	0.7	0.7	0.7	0.7	0.7
30	0.7	0.7	1.3	0.7	---	2.2	0.7	0.7	0.7	0.7	0.7	0.7
31	0.7	---	1.0	0.7	---	2.0	---	0.7	---	0.7	0.7	---
MEAN	1.4	0.7	1.4	1.2	2.6	1.1	1.1	0.7	0.7	0.8	1.2	0.7
MAX	6.6	0.7	3.0	2.7	4.1	2.5	2.2	1.6	0.7	2.2	5.4	2.2
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 1998 MEAN 1.13 MAX 6.62 MIN 0.70

Note: Impoundment in first week of Oct. remaining from 09/26/97 event.

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
Drainage Area: 0.98 mi² (from Wickenburg ADMS)
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Aug. 12	1.53	Aug. 13	1.93

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
3	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
4	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
6	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
10	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
11	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
12	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9
13	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.5	0.9
14	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9
15	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
16	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
17	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
18	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
19	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
20	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
21	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
22	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
23	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
24	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
25	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
26	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
27	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
28	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
29	0.9	0.9	0.9	0.9	---	0.9	0.9	0.9	0.9	0.9	0.9	0.9
30	0.9	0.9	0.9	0.9	---	0.9	0.9	0.9	0.9	0.9	0.9	0.9
31	0.9	---	0.9	0.9	---	0.9	---	0.9	---	0.9	0.9	---
MEAN	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
MAX	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	0.9
MIN	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

WTR YR 1998 MEAN 0.88 MAX 1.93 MIN 0.00

Note: Instrument elevation raised from 0.0 ft gage height to 0.9 ft gage height on 10/07/97.

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
Drainage Area: 20.5 mi² (White Tanks ADMS)
 Depth, in feet, Water Year October 1997 to September 1998

Impoundment above instrument only on following day during Water Year 1998:*

Day Maximum Level (ft)

Feb. 18 0.25*

	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	0.2	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 1998	MEAN	0.00	MAX	0.25	MIN	0.00						

* 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 124 acre-feet (revised from 74 acre-feet prior to WY 1997). Impoundment of 2/18/98 from high water marks at gage.

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
Drainage Area: 247 mi²
 Depth, in feet, Water Year October 1997 to September 1998

No significant impoundment during Water Year 1998. *

	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 1998	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 96 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: 5539 **Name:** Adobe Dam
Drainage Area: 89.6 mi²
Period of Record: Nov. 1987 to present
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest on following days during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 4	3.6	Feb. 15	5.4
Feb. 18	5.8	Feb. 25	2.6

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	1.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	2.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	3.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	1.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	0.1	0.1	0.1	0.1	5.8	0.1	0.1	0.1	0.1	0.7	0.1	0.1
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
WTR YR 1998	MEAN	0.13	MAX	5.76	MIN	0.10						

See also Surface Water Streamflow and Storage Volume Data.

Flood Elevation Frequency (from USACE Design Memorandum)					
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
12.8	18.5	23.3	28.3	31.3	34.5

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 5614 **Name:** New River Dam
Drainage Area: 164 mi²
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest on following days during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 10	5.6	Feb. 15	7.1
Feb. 18	6.9	Feb. 25	5.3
Mar. 29	9.4		

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
5	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
6	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
10	2.9	2.9	2.9	2.9	4.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9
11	2.9	2.9	2.9	2.9	4.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9
12	2.9	2.9	2.9	2.9	3.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9
13	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
14	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
15	2.9	2.9	2.9	2.9	5.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
16	2.9	2.9	2.9	2.9	5.1	2.9	2.9	2.9	2.9	2.9	2.9	2.9
17	2.9	2.9	2.9	2.9	3.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9
18	2.9	2.9	2.9	2.9	6.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
19	2.9	2.9	2.9	2.9	4.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9
20	2.9	2.9	2.9	2.9	3.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9
21	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
22	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
23	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
24	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
25	2.9	2.9	2.9	2.9	4.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9
26	2.9	2.9	2.9	2.9	4.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9
27	2.9	2.9	2.9	2.9	3.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9
28	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
29	2.9	2.9	2.9	2.9	---	8.5	2.9	2.9	2.9	2.9	2.9	2.9
30	2.9	2.9	2.9	2.9	---	6.4	2.9	2.9	2.9	2.9	2.9	2.9
31	2.9	---	2.9	2.9	---	4.1	---	2.9	---	2.9	2.9	---
MEAN	2.9	2.9	2.9	2.9	3.5	3.2	2.9	2.9	2.9	2.9	2.9	2.9
MAX	2.9	2.9	2.9	2.9	7.1	9.4	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 1998 MEAN 2.96 MAX 9.42 MIN 2.88

See also Surface Water Streamflow and Storage Volume Data.

Flood Elevation Frequency (from USACE Design Memorandum)					
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: 5968 **Name:** StoneRidge Dam
Drainage Area: 0.86 mi²
Period of Record: 12/11/96 to current year
 Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundment of interest during Water Year 1998:

Day Maximum Level (ft)

Feb. 24 2.1

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8
2	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8
3	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8
4	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8
5	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8
6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8
8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8
9	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
10	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
11	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
12	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
13	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
14	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8
15	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
18	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
19	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
20	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
21	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
22	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
23	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
24	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
25	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
26	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
27	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
28	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
29	0.8	0.8	0.8	0.8	---	0.9	0.8	0.8	0.8	0.8	0.8	0.8
30	0.8	0.8	0.8	0.8	---	0.9	0.8	0.8	0.8	0.8	0.8	0.8
31	0.8	---	0.8	0.8	---	0.9	---	0.8	---	0.8	0.8	---
MEAN	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
MAX	0.8	0.9	0.9	0.9	2.1	1.2	0.9	0.8	0.8	0.8	0.8	0.9
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 1998	MEAN	0.81	MAX	2.13	MIN	0.75						

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: 5973 **Name:** SunRidge Canyon Dam
Drainage Area: 1.6 mi²
Period of Record: 02/04/97 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundment of interest during Water Year 1998:

Day **Maximum Level (ft)**
 Feb. 24 2.2

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3
2	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3
3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3
4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3
7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
10	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
11	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
13	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3
14	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.4	1.3	1.4	1.3	1.3
15	1.3	1.3	1.3	1.3	1.5	1.4	1.3	1.3	1.3	1.3	1.3	1.3
16	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.4	1.3
17	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3
18	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3
19	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
20	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
21	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
22	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
23	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
24	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
25	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
26	1.3	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
27	1.3	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
28	1.3	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
29	1.3	1.3	1.3	1.3	---	1.4	1.3	1.3	1.3	1.3	1.3	1.3
30	1.3	1.3	1.3	1.3	---	1.4	1.3	1.3	1.3	1.3	1.3	1.3
31	1.3	---	1.3	1.3	---	1.4	---	1.3	---	1.3	1.3	---
MEAN	1.3	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
MAX	1.4	1.4	1.4	1.4	2.2	1.5	1.4	1.4	1.4	1.4	1.4	1.4
MIN	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
WTR YR 1998	MEAN	1.34	MAX	2.22	MIN	1.30						

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: 5978 **Name:** GoldenEaglePark Dam
Drainage Area: 7.13 mi² of which 2.02 mi², 2.13 mi², and 1.6 mi² are controlled by Aspen, North Heights, and Sunridge Canyon Dams respectively
Period of Record: 12/12/96 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 4	3.4	Feb. 15	3.1
Feb. 24	3.8		

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.1	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2
4	0.2	0.2	0.2	0.2	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.2	0.2	0.1	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.6	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.2
9	0.2	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.1	0.2
10	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1
12	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.1
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
17	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.3	0.2	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	0.1	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	0.1	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.3	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	0.1	0.2	0.1	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.9	0.2	0.1	0.2	0.2	0.2	0.1	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.6	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	0.3	0.1	0.2	0.1	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.1	0.1	0.2	0.1
30	0.2	0.2	0.2	0.2	---	0.3	0.2	0.2	0.1	0.2	0.1	0.2
31	0.2	---	0.2	0.2	---	0.1	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	2.6	0.4	3.8	2.0	2.7	0.2	0.2	0.2	0.8	0.2
MIN	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 1998 MEAN 0.18 MAX 3.78 MIN 0.12

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: 5983 **Name:** North Heights Dam
Drainage Area: 2.13 mi²
Period of Record: 10/11/96 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments greater than 3.0 ft gage height during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Dec. 8	3.2	Mar. 26	3.1

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3
2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	1.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	1.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	1.1	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	1.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18	0.3	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	1.0	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.9	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.5	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---

MEAN	0.3	0.3	0.4	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MAX	0.3	0.3	3.2	0.3	2.9	3.1	2.8	0.3	0.3	0.3	0.3	0.3
MIN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3

WTR YR 1998	MEAN	0.32	MAX	3.23	MIN	0.23						

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: 5988 **Name:** Aspen Dam
Drainage Area: 2.02 mi²
Period of Record: 01/02/97 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Dec. 7	1.68	Feb. 4	1.94

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2
4	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.1	0.1	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.1	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	0.1
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
24	0.2	0.2	0.2	0.2	0.4	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	0.1	0.1	0.1	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	1.7	0.2	1.9	0.8	0.2	0.2	0.2	0.2	0.2	0.2
MIN	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1

WTR YR 1998 MEAN 0.19 MAX 1.94 MIN 0.14

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: 5993 **Name:** Hesperus Dam
Drainage Area: 2.91 mi²
Period of Record: 12/18/96 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments greater than 1.5 ft gage height during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>
Mar. 26	1.55

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0
2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0
3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0
5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0
6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0
14	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
15	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
17	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
21	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
23	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0
26	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
27	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0
28	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
29	1.0	1.0	1.0	1.0	---	1.0	0.9	1.0	0.9	0.9	1.0	1.0
30	1.0	1.0	1.0	1.0	---	1.0	1.0	1.0	0.9	1.0	1.0	1.0
31	1.0	---	1.0	1.0	---	1.0	---	1.0	---	1.0	0.9	---
MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MAX	1.0	1.0	1.4	1.0	1.3	1.5	1.0	1.0	1.0	1.0	1.0	1.0
MIN	0.9	1.0	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

WTR YR 1998 MEAN 0.98 MAX 1.55 MIN 0.95

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: 6503 **Name:** Guadalupe FRS
Drainage Area: 1.87 mi²
Period of Record: 06/29/89 to current year
 Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>
Aug. 17	3.91

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.6	0.3
19	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30	0.3	0.3	0.3	0.3	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31	0.3	---	0.3	0.3	---	0.3	---	0.3	---	0.3	0.3	---
MEAN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3
MAX	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.9	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 1998 MEAN 0.27 MAX 3.91 MIN 0.26

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
Drainage Area: 4.26 mi² (area downstream of Eastern Canal only, does not include area from overflows of Eastern Canal)
Period of Record: 12/19/96 to current year
Depth, in feet, Water Year October 1997 to September 1998

Rainfall produced impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 9	8.75	Aug. 16	8.80

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	3.4	3.3	3.2	4.5	6.2	3.5	2.9	2.4	3.2	5.6	2.6
2	3.1	4.1	5.4	3.3	4.6	6.3	4.6	2.9	2.7	4.2	5.9	3.1
3	3.2	4.2	5.5	3.4	2.4	6.3	2.0	2.8	3.3	4.4	3.1	3.3
4	3.9	4.2	2.2	3.5	6.2	5.1	1.4	2.8	3.3	4.6	2.9	3.7
5	4.0	4.3	1.3	3.6	7.3	4.3	4.5	3.1	3.4	4.9	3.4	4.0
6	1.6	4.3	2.7	3.7	7.2	4.5	2.6	3.5	3.7	1.9	3.5	4.2
7	3.2	1.6	4.7	3.8	7.1	4.7	1.2	3.2	4.5	2.9	3.7	4.3
8	3.7	0.4	5.7	4.0	7.2	4.9	2.3	2.2	4.5	3.3	3.9	4.4
9	1.2	0.7	4.8	4.2	8.6	4.8	1.9	4.2	4.6	3.4	4.4	4.4
10	1.3	2.6	4.0	4.8	8.5	4.8	2.4	4.5	1.6	3.7	2.6	4.4
11	4.3	3.3	4.1	5.7	8.2	4.7	2.8	1.6	2.5	4.2	3.2	4.7
12	4.4	4.0	1.7	5.7	7.2	4.7	2.8	1.9	4.1	5.2	3.9	4.7
13	4.4	4.0	0.8	5.7	1.2	2.4	2.3	2.6	4.2	4.1	3.2	4.8
14	2.1	4.2	2.5	3.4	1.5	1.4	1.4	2.6	4.3	4.4	3.8	4.7
15	3.4	4.3	2.8	2.1	5.3	3.8	2.7	2.6	4.3	3.6	4.7	4.7
16	2.3	4.3	3.1	3.1	5.8	2.9	3.2	2.9	4.4	3.9	8.7	4.7
17	3.4	4.4	3.5	3.8	6.2	3.9	3.3	5.3	4.4	3.8	7.9	2.6
18	3.8	4.5	3.6	3.9	7.2	5.0	3.4	4.5	1.7	4.8	6.7	3.3
19	5.2	4.9	1.9	4.0	7.3	4.0	3.3	2.1	2.8	4.8	2.2	3.5
20	5.2	4.9	2.9	4.0	7.3	4.1	3.4	2.9	4.3	4.7	4.6	3.5
21	5.2	4.9	4.2	4.0	7.3	5.3	3.4	2.8	5.1	4.7	4.7	3.6
22	5.3	4.9	5.9	4.0	7.3	5.8	3.4	2.8	1.9	4.7	4.8	3.9
23	2.8	4.8	6.1	4.0	6.7	6.0	3.7	2.9	1.8	4.7	5.0	4.0
24	2.8	2.0	6.0	4.1	4.5	5.9	3.8	3.4	2.8	1.9	5.5	4.0
25	3.2	1.9	5.9	4.1	3.1	3.3	5.0	4.4	3.0	2.1	5.5	4.1
26	3.4	3.0	3.5	4.1	4.1	4.2	5.6	1.9	3.1	3.0	5.3	4.2
27	3.6	3.2	0.3	4.1	6.3	5.7	4.0	0.4	3.1	3.7	2.1	4.3
28	3.7	3.6	2.0	4.3	6.2	5.8	2.5	2.8	3.2	4.0	3.4	4.3
29	1.6	3.7	2.7	4.3	---	6.3	3.1	3.3	3.5	3.6	4.9	4.5
30	0.9	3.7	3.0	4.5	---	4.6	2.9	5.0	3.9	3.5	4.9	4.5
31	1.8	---	3.1	4.5	---	1.3	---	5.3	---	4.0	4.9	---

MEAN	3.3	3.6	3.5	4.0	5.9	4.6	3.1	3.1	3.4	3.9	4.5	4.0
MAX	5.6	4.9	6.1	5.8	8.8	6.5	5.6	5.7	5.1	5.3	8.8	4.9
MIN	0.2	0.2	0.2	0.3	0.1	0.3	0.5	0.3	0.2	0.2	0.2	0.2

WTR YR 1998	MEAN	3.91	MAX	8.80	MIN	0.12						

Note: 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
Drainage Area: 15.7 mi² (area downstream of US 60 only, does not include area from Eastern Canal tailwater ditch under US 60)
Period of Record: 12/18/96 to current year
 Depth, in feet, Water Year October 1997 to September 1998

No significant impoundment during Water Year 1998.

	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	1.3	1.3
MAX	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
MIN	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
WTR YR 1998	MEAN	1.33	MAX	1.3	MIN	1.3						

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
Drainage Area: 16.4 mi² not including area from Apache Junction FRS
Period of Record: 11/10/87 to current year
 Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Oct. 22	5.05	Feb. 15	4.10
Feb. 25	4.93	Mar. 30	4.73

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.2	2.3	-0.2	-0.1	-0.2	3.7	3.6	-0.2	-0.2	-0.2	0.6	-0.2
2	-0.2	2.3	-0.2	-0.2	-0.2	3.6	3.1	-0.2	-0.2	-0.2	0.5	-0.2
3	-0.2	2.1	-0.2	-0.2	-0.2	3.4	2.8	-0.2	-0.2	-0.2	0.3	-0.2
4	-0.2	2.0	-0.2	-0.2	-0.2	3.2	2.4	-0.2	-0.2	-0.2	0.1	-0.2
5	-0.2	1.8	-0.2	-0.2	-0.2	3.1	2.1	-0.2	-0.2	-0.2	-0.1	-0.2
6	-0.2	1.7	-0.2	-0.2	-0.2	3.0	1.9	-0.2	-0.2	-0.2	-0.2	-0.2
7	-0.2	1.6	-0.2	-0.2	-0.2	2.8	1.7	-0.2	-0.2	-0.2	-0.2	-0.2
8	-0.2	1.5	1.7	-0.2	0.7	2.7	1.6	-0.2	-0.2	-0.2	-0.2	-0.2
9	-0.2	1.4	2.0	-0.2	3.3	2.6	1.5	-0.2	-0.2	-0.2	-0.2	-0.2
10	-0.2	1.3	1.7	-0.2	3.4	2.5	1.4	-0.2	-0.2	-0.2	-0.2	-0.2
11	-0.2	1.3	1.5	-0.2	3.0	2.6	1.4	-0.2	-0.2	-0.2	-0.2	-0.2
12	-0.2	1.2	1.4	-0.2	2.7	2.3	1.2	-0.2	-0.2	-0.2	-0.2	-0.2
13	-0.2	1.1	1.2	-0.2	2.4	2.3	1.1	-0.2	-0.2	-0.2	-0.2	-0.2
14	-0.2	1.1	1.2	-0.2	2.2	2.0	1.0	-0.2	-0.2	-0.2	-0.2	-0.2
15	-0.2	1.0	0.9	-0.2	3.6	1.9	1.0	-0.2	-0.2	-0.2	-0.2	-0.2
16	-0.2	0.9	1.0	-0.2	3.8	1.8	0.9	-0.2	-0.2	-0.2	-0.2	-0.2
17	-0.2	0.8	1.0	-0.2	3.5	1.8	0.8	-0.2	-0.2	-0.2	-0.2	-0.2
18	-0.2	0.7	0.4	-0.2	3.3	1.7	0.7	-0.2	-0.2	-0.2	-0.2	-0.2
19	-0.2	0.7	0.0	-0.2	3.1	1.6	0.7	-0.2	-0.2	-0.2	-0.2	-0.2
20	-0.2	0.6	-0.1	-0.2	3.4	1.5	0.6	-0.2	-0.2	-0.2	-0.2	-0.2
21	-0.2	0.5	-0.2	-0.2	4.4	1.4	0.5	-0.2	-0.2	-0.2	-0.2	-0.2
22	3.2	0.4	0.6	-0.2	4.1	1.3	0.4	-0.2	-0.2	-0.2	-0.2	-0.2
23	5.0	0.3	0.7	-0.2	3.9	1.2	0.4	-0.2	-0.2	-0.2	-0.2	-0.2
24	4.5	0.1	0.6	-0.2	3.8	1.1	0.1	-0.2	-0.2	-0.2	-0.2	-0.2
25	4.1	-0.1	0.5	-0.2	4.8	1.0	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
26	3.8	-0.2	0.5	-0.2	4.5	0.9	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
27	3.4	-0.2	0.4	-0.2	4.2	0.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
28	3.2	-0.2	0.1	-0.2	3.9	0.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
29	2.9	-0.2	0.1	-0.2	---	0.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
30	2.7	-0.2	0.0	-0.2	---	4.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
31	2.5	---	-0.1	-0.2	---	4.1	---	-0.2	---	-0.2	-0.2	---
MEAN	1.0	0.9	0.5	-0.2	2.5	2.2	1.1	-0.2	-0.2	-0.2	-0.2	-0.2
MAX	5.1	2.3	2.5	-0.1	4.9	4.7	3.6	-0.2	-0.2	-0.2	0.7	-0.2
MIN	-0.2	-0.2	-0.2	-0.2	-0.2	0.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2

WTR YR 1998 MEAN 0.55 MAX 5.05 MIN -0.25

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
Drainage Area: 5.8 mi²
Period of Record: Nov. 1987 to present
 Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 24	3.11*

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.3	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	0.1	0.1	1.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	0.7	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.1	---	0.1	---	0.1	0.1	---
MEAN	0.1	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MAX	1.8	0.1	0.9	0.1	3.1	1.8	0.1	0.1	0.1	0.1	0.7	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 1998	MEAN	0.17	MAX	3.11*	MIN	0.13						

* Maximum for 2/24/98 from high water marks.

Note: Instrument base value at 1.03 ft gage height from 02/11-25/98.

See also Surface Water Streamflow and Storage Volume Data.

Station Number: 6683 **Name:** Powerline FRS

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Drainage Area: 49.9 mi²

Period of Record: 12/03/92 to current year

Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

Day Maximum Level (ft)

Feb. 4 0.85

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.3	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	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	0.6	0.2	0.9	0.2	0.2	0.2	0.2	0.3	0.4	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 1998 MEAN 0.20 MAX 0.85 MIN 0.20

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
Drainage Area: 57.8 mi²
Period of Record: Nov. 1987 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

Day Maximum Level (ft)

July 22 2.83

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	0.4	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.1	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	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	0.1	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	1.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
25	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	1.3	0.0	0.0
26	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.9	0.0	0.0
27	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.6	0.0	0.0
28	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.4	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.3	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.1	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	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0
MAX	0.0	0.0	0.0	0.0	1.1	0.4	0.0	0.0	0.0	2.8	0.2	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WTR YR 1998 MEAN 0.04 MAX 2.83 MIN 0.00

Note: Instrument elevation at 6 ft gage height for period 02/02/98 to 02/25/98. Therefore, no data less than 6 ft recorded during this time. Multiple events missed. Probable events occurred on 2/4, 2/9, 2/15, 2/17, 2/20, and 2/24. Data shown for 2/10-11 estimated from field observations. See also #6703.

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
Drainage Area: 51.3 mi²
Period of Record: 09/27/88 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>	<u>Day</u>	<u>Maximum Level (ft)</u>
Feb. 9	4.05	Feb. 15	5.91
Feb. 18	3.01	Feb. 24	3.76

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.1	0.1	0.1	0.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	0.1	0.1	0.1	0.1	2.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	4.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	1.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	0.1	0.1	0.1	2.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19	0.1	0.1	0.1	0.1	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	0.1	0.1	0.1	0.1	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.1	0.1	0.1	0.1	1.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	1.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.1
24	0.1	0.1	0.1	0.1	1.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	2.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	0.1	0.1	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	0.1	0.1	---	1.0	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1	---	0.1	0.1	---	0.2	---	0.1	---	0.1	0.1	---
MEAN	0.1	0.1	0.2	0.1	0.8	0.2	0.1	0.1	0.1	0.1	0.1	0.1
MAX	0.1	0.1	2.5	0.1	5.9	2.0	0.1	0.1	0.1	0.4	0.1	0.1
MIN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

WTR YR 1998 MEAN 0.19 MAX 5.91 MIN 0.13

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: 6739 **Name:** Whitlow Ranch Dam
Drainage Area: 143 mi²
Period of Record: 1/8/98 to current year

Refer to U.S. Army Corps of Engineers, Los Angeles District for official data for this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Reservoir Depths

Station Number: 6813 **Name:** Buckeye FRS #3
Drainage Area: 9.3 mi²
Period of Record: 11/23/92 to current year
 Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

Day Maximum Level (ft)

Aug. 11 -0.33

Daily Mean Values

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
2	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
3	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
4	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
5	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
6	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
7	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
8	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
10	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
11	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-3.6	-4.1
12	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-3.8	-4.1
13	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
14	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
15	-4.1	-4.1	-4.1	-4.1	-4.0	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
16	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
17	-4.1	-4.1	-4.1	-4.1	-4.0	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
18	-4.1	-4.1	-4.1	-4.1	-4.0	-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	-4.0	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
25	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
26	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
27	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
28	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
29	-4.1	-4.1	-4.1	-4.1	---	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
30	-4.1	-4.1	-4.1	-4.1	---	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
31	-4.1	---	-4.1	-4.1	---	-4.1	---	-4.1	---	-4.1	-4.1	---
MEAN	-4.1	-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	-3.3	-4.1	-4.1	-4.1	-4.1	-4.1	-0.3	-4.0
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 1998 MEAN -4.08 MAX -0.33 MIN -4.08

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
Drainage Area: 18.6 mi² (White Tanks ADMS)
Period of Record: Nov. 1987 to current year
 Depth, in feet, Water Year October 1997 to September 1998

No impoundment above gage during Water Year 1998.*

	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 1998	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
Drainage Area: 1.3 mi²
Period of Record: 08/15/96 to current year
Depth, in feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Level (ft)</u>
Aug. 12	3.34

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	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	0.5	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	0.7	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8	0.2
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	---	0.2	0.2	---	0.2	---	0.2	---	0.2	0.2	---
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
MAX	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.3	0.2
MIN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
WTR YR 1998	MEAN	0.19	MAX	3.34	MIN	0.19						

Note: Instrument located 0.08 ft below outlet invert which is taken as 0.00 ft gage datum. 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: 769 **Name:** Tat Momolikot Dam Cap
Period of Record: to current year
Drainage Area: 1,780 mi²

Refer to U.S. Army Corps of Engineers, Los Angeles District for official data for this site.

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

Drainage Area: 13.6 mi²

Spillway Capacity: 1,391 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>

Feb. 9	1	< 0.1	Aug. 1	22	1.6
--------	---	-------	--------	----	-----

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------

1											2	
---	--	--	--	--	--	--	--	--	--	--	---	--

MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	1	0	0	0	0	15	22	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	MEAN	0	MAX	22	MIN	0
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Note: 15 ac-ft shown for July occurred during rise to Aug. 1 maximum.

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

Drainage Area: 1.18 mi²

Period of Record: 03/02/94 to current year

Spillway Capacity: 59 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No storage during Water Year 1998 except on following days:

<u>Day</u>	<u>Maximum Storage</u> <u>(ac-ft) (% full)</u>				<u>Day</u>	<u>Maximum Storage</u> <u>(ac-ft) (% full)</u>						
Feb. 4	1		1.7		July 6		1		1.7			
	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 1998	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: 4652 **Name:** Tatum Wash Basin Cap

Drainage Area: mi²

Period of Record: 05/08/98 to current year*

Spillway Capacity: 32.7 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.*

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	---	---	---	---	---	0	0	0	0	0
MAX	---	---	---	---	---	---	---	0	0	0	0	0
MIN	---	---	---	---	---	---	---	0	0	0	0	0
WTR YR 1998	MEAN	0		MAX	0	MIN	0					

See also Surface Water Streamflow and Pool Level Data.

*Note: Gage installed 05/08/98.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 4657 **Name:** E.Fork CC #4 Cap

Drainage Area: 0.68 mi²

Period of Record: 01/18/94 to current year

Spillway Capacity: 74 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>								
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>							
Feb. 15	2	2.7	July 6	3	4.1							
	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	1	0	2	1	1	0	0	3	1	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 1998 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
Drainage Area: 3.52 mi² (1.86 mi² controlled by EFCC #1 and EFCC #4)
Period of Record: 09/13/94 to current year
Spillway Capacity: 175 ac-ft
 Volume, in acre feet, Water Year October 1997 to September 1998

Maximum storage during Water Year 1998.*

<u>Day</u>	<u>Maximum Storage</u>													
	<u>(ac-ft)</u>	<u>(% full)</u>	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
July 6	0.2	< 0.1												
MEAN	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
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 1998	MEAN	0	MAX	0	MIN	0								

* Flows up to about the 2-year pass 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

Revised Records: WY1996: WY1995

Drainage Area: 1.3 mi²

Spillway Capacity: 298 ac-ft

Volume, in acre-feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.*

	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 1998	MEAN	0	MAX	0	MIN	0						

* Storage greater than 1 ac-ft (0.3%) begins at 8.2 ft gage height. No impoundments greater than 8.2 ft during WY 1998. 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: 4817 **Name:** 10 St.Wash #1 Cap

Period of Record: 11/26/96 to current year

Spillway Capacity: 21.64 ac-ft

Volume, in acre-feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>			<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>Day</u>	<u>(ac-ft)</u>
Feb. 4	1.19	5.5		Feb. 15	0.97 4.5
Mar. 26	0.74	3.4		July 6	0.66 3.0
Aug. 15	1.22	5.6			

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

WTR YR 1998	MEAN		0	MAX	1	MIN	0					

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

Drainage Area: 191 mi²

Spillway Capacity: 46,100 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>
Dec. 22	55	0.1	Feb. 4	302	0.7
Feb. 10	63	0.1	Feb. 15	360	0.8
Feb. 17	170	0.4	Feb. 25	400	0.9
Mar. 29	255	0.6	Aug. 16	124	0.3

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												
2												
3												
4					164							
5					184							
6												
7												
8												
9												
10					20							
11					2							
12												
13												
14												
15					220						5	
16					97						19	
17					24							
18					61							
19												
20												
21												
22			4									
23												
24					4							
25					288							
26					55	2						
27												
28												
29						154						
30						25						
31												

MEAN	0	0	0	0	40	6	0	0	0	0	1	0
MAX	0	0	55	0	400	255	0	0	0	0	124	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	MEAN		4	MAX	400	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
Drainage Area: 29.6 mi² excluding area brought in from Harquahala FRS
Spillway Capacity: 6,743 ac-ft
 Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundment during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>
Sept. 9	39	0.6

Daily Mean Values												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
9												2
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	39
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 1998	MEAN		0	MAX	39	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

Drainage Area: 102.3 mi²

Spillway Capacity: 8,689 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:*

<u>Day</u>	<u>Maximum Storage</u> <u>(ac-ft) (% full)</u>		<u>Day</u>	<u>Maximum Storage</u> <u>(ac-ft) (% full)</u>	
July 23	3	< 0.1	Aug. 12	26	0.3

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
12											2	
13											16	
14											5	
23										3		
24										1		
25										1		
26												
MEAN	0	0	0	0	0	0	0	0	0	0	1	0
MAX	0	0	0	0	0	0	0	0	0	3	26	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998 MEAN 0 MAX 26 MIN 0

* Storage shown assumes level pool behind length of dam. Multiple pools are disconnected below approximately 34 ft gage height = 6,800 ac-ft = 78 % full.

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

Drainage Area: 74 mi² without area from Buckeye FRS #2 and #3

Spillway Capacity: 8,105 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Impoundment only on following day during Water Year 1998:*

<u>Day</u>	<u>Maximum Storage</u>													
	<u>(ac-ft)</u>	<u>(% full)</u>	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Feb. 8	2	< 0.1												
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	2	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 1998	MEAN	0	MAX	2	MIN	0								

* Storage volume and percent full statistics assume a connected level pool behind the dam. Also, due to the extreme length of the dam, impoundment may occur behind the dam but not be detected by the instrumentation.

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

Drainage Area: 5.7 mi² without area from Buckeye FRS #3

Spillway Capacity: 824 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage except on following days in Water Year 1998:*

<u>Day</u>	<u>Maximum Storage</u>			<u>Maximum Storage</u>			<u>Maximum Storage</u>			<u>Maximum Storage</u>			<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>			
Feb. 24	4	0.5		Aug. 11	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	0	0
MAX	0	0	0	0	4	0	0	0	0	0	1	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 1998	MEAN	0	MAX	4	MIN	0								

* Storage volume and percent full statistics assume a connected level pool behind the dam. Also, due to the extreme length of the dam, impoundment may occur behind the dam but not be detected by the instrumentation.

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

Drainage Area: 0.95 mi² (from Wickenburg ADMS)

Spillway Capacity: 86 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>
Aug. 12	5	5.8	Aug. 13	6	7.0

Daily Mean Values

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

MEAN	1	0	0	0	1	0	0	0	0	0	0	0
MAX	9	0	1	1	2	1	1	0	0	1	6	1
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	MEAN		0	MAX	9	MIN	0					

Note: Impoundment in first week of Oct. remaining from 09/26/97 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: 5247 **Name:** Sunnycove FRS Cap

Period of Record: Nov. 1987 to current year

Drainage Area: 0.98 mi² (from Wickenburg ADMS)

Spillway Capacity: 216 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No storage greater than 1 ac-ft during Water Year 1998:

	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 1998	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: 5417 **Name:** White Tanks #3 Cap
Period of Record: Nov. 1987 to current year
Drainage Area: 20.5 mi² (White Tanks ADMS)
Spillway Capacity: 3,134 ac-ft
 Volume, in acre feet, Water Year October 1997 to September 1998

Maximum storage during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>													
	<u>(ac-ft)</u>	<u>(% full)</u>	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Feb.	130*	4.1												
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	130*	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 1998	MEAN	0	MAX	130*	MIN	0								

* Due to instrument failure during the Feb. 1998 event, no mean values are given. The maximum for water year 1998 was estimated from high water marks at the gage. See also Surface Water Streamflow and Pool Level Data. 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 124 acre-feet (revised from 74 acre-feet as published during years prior to WY 1997).

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

Drainage Area: 247 mi²

Spillway Capacity: 20,070 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998. *

	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 1998	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 96 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: 5537 **Name:** Adobe Dam Cap

Drainage Area: 89.6 mi²

Period of Record: Nov. 1987 to current year

Spillway Capacity: 18,776 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest occurred on following days during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>
Feb. 4	31	0.2	Feb. 15	76	0.4
Feb. 18	91	0.5	Feb. 25	14	< 0.1

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												
2												
3												
4					9							
5					2							
6												
7												
8												
9												
10												
11												
12												
13												
14												
15					29							
16					2							
17					6							
18					39							
19												
20												
21												
22												
23												
24												
25					5							
26												
27												
28												
29												
30												
31												

MEAN	0	0	0	0	3	0	0	0	0	0	0	0
MAX	0	0	0	0	91	0	0	0	0	1	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	MEAN		0	MAX		91	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

Drainage Area: 164 mi²

Period of Record: Nov. 1987 to current year

Spillway Capacity: 43,700 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest occurred on following days during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>
Feb. 10	250	0.6	Feb. 15	324	0.7
Feb. 18	313	0.7	Feb. 25	233	0.5
Mar. 29	439	1.0			

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1							13					
2												
3												
4												
5												
6												
7												
8												
9												
10					121							
11					179							
12					79							
13												
14												
15					185							
16					222							
17					149							
18					269							
19					194							
20					123							
21												
22												
23												
24												
25					201							
26					193							
27					129							
28						4						
29						393						
30						289						
31						173						

MEAN	0	0	0	0	73	28	0	0	0	0	0	0
MAX	0	0	0	0	324	439	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	MEAN		8	MAX		439	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: 5967 **Name:** StoneRidge Dam Cap

Drainage Area: 0.86 mi²

Period of Record: 12/11/96 to current year

Spillway Capacity: 66.2 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.

	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 1998	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: 5972 **Name:** SunRidge Canyon Cap

Drainage Area: 1.6 mi²

Period of Record: 02/04/97 to current year

Spillway Capacity: 94 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.

	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 1998	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: 5977 **Name:** GoldenEaglePark Cap
Drainage Area: 7.13 mi² of which 2.02 mi², 2.13 mi², and 1.6 mi² are controlled by Aspen, North Heights, and Sunridge Canyon Dams respectively
Period of Record: 12/12/96 to current year
Spillway Capacity: 95 ac-ft
 Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.

	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 1998	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: 5982 **Name:** North Hghts Dam Cap

Drainage Area: 2.13 mi²

Period of Record: 10/11/96 to current year

Spillway Capacity: 138 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.

	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 1998	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: 5987 **Name:** Aspen Dam Capacity

Drainage Area: 2.02 mi²

Period of Record: 01/02/97 to current year

Spillway Capacity: 183 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.

	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 1998	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: 5992 **Name:** Hesperus Dam Cap

Drainage Area: 2.91 mi²

Period of Record: 12/18/96 to current year

Spillway Capacity: 276 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.

	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 1998	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

Drainage Area: 1.87 mi²

Period of Record: 06/29/89 to current year

Spillway Capacity: 329 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>

Aug. 17	9	2.7
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Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
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31												

MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	9	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998 MEAN 0 MAX 9 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
Drainage Area: 4.26 mi² (area downstream of Eastern Canal only, does not include area from overflows of Eastern Canal)
Period of Record: 12/19/1995 to current year
Spillway Capacity: 218 ac-ft
 Volume, in acre-feet, Water Year October 1997 to September 1998

Rainfall produced impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>
Feb. 9	17.7	8.1	Aug. 16	18.0	8.3

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

MEAN	1	1	2	1	7	3	1	1	1	1	3	1
MAX	4	2	6	5	18	7	4	4	3	3	18	2
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	MEAN		2	MAX		18	MIN		0			

Note: 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
Drainage Area: 15.7 mi² (area downstream of US 60 only, does not include area from Eastern Canal tailwater ditch under US 60)
Period of Record: 12/18/1995 to current year
Spillway Capacity: 456 ac-ft
 Volume, in acre-feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.

	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 1998	MEAN	0	MAX	0	MIN	0						

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
Drainage Area: 16.4 mi² not including area from Apache Junction FRS
Period of Record: 11/10/87 to current year
Spillway Capacity: 1,665 ac-ft
 Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>
Oct. 22	31	1.9	Feb. 15	29	1.7
Feb. 25	19	1.1	Mar. 30	26	1.6

Daily Mean Values

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

MEAN	5	1	0	0	10	5	1	0	0	0	0	0
MAX	31	4	4	0	29	26	13	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	MEAN		2	MAX	31	MIN	0					

Note: Storage never above ungated outlet during water year 1998.

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

Drainage Area: 5.8 mi²

Period of Record: Nov. 1987 to current year

Spillway Capacity: 676 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundment of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>
Feb. 24	3	0.4

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1												
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31												

MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	1	0	0	0	3	1	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	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: 6682 **Name:** Powerline FRS Cap
Drainage Area: 49.9 mi²
Period of Record: 12/03/92 to current year
Spillway Capacity: 4,064 ac-ft
 Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundment of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>
Feb. 4	13	0.3

DAY	Daily Mean Values											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
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15					4						1	
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20					1							
21					2							
22			4		2					1		
23										2		
24					2							
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27												
28												
29												
30												
31												
MEAN	0	0	0	0	1	0	0	0	0	0	0	0
MAX	0	0	8	0	13	0	0	0	0	4	5	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 1998	MEAN		0	MAX	13	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
Drainage Area: 57.8 mi²
Period of Record: Nov. 1987 to current year
Spillway Capacity: 3,531 ac-ft
 Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>
Feb. 26	51	1.4	July 22	323	9.1

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
1						14						
2						6						
3						2						
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17											2	
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20												
21											4	
22										109		
23										199		
24										118		
25					28					69		
26					49					39		
27					39					26		
28					26	3				18		
29										10		
30										6		
31										5		

MEAN	0	0	0	0	6	1	0	0	0	19	0	0
MAX	0	0	0	0	51	15	0	0	0	323	6	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	MEAN		2	MAX		323	MIN		0			

Note: Instrument elevation at 6 ft gage height for period 02/02/98 to 02/25/98. Therefore, no data less than 6 ft recorded during this time. Multiple events missed. Probable events occurred on 2/4, 2/9, 2/15, 2/17, 2/20, and 2/24. Data shown for 2/10-11 estimated from field observations. See also #6703.

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
Drainage Area: 51.3 mi²
Period of Record: 09/27/88 to current year
Spillway Capacity: 3,475 ac-ft
 Volume, in acre feet, Water Year October 1997 to September 1998

Maximum impoundments of interest during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>
Feb. 9	12	0.3	Feb. 15	65	1.9
Feb. 18	2	< 0.1	Feb. 24	9	0.3

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
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22			1									
23												
24					2							
25					2							
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29												
30							1					
31												

MEAN	0	0	0	0	2	0	0	0	0	0	0	0
MAX	0	0	2	0	65	1	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 1998	MEAN		0	MAX	65	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: 6739 **Name:** Whitlow Ranch Dam Cap
Drainage Area: 143 mi²
Period of Record: FCDMC 1/8/98 to current year

Refer to U.S. Army Corps of Engineers, Los Angeles District for official data for this site.

Flood Control District Of Maricopa County ALERT System

Computation Of Continuous Records Of Storage Volumes

Station Number: 6812 **Name:** Buckeye FRS #3 Cap

Drainage Area: 9.3 mi²

Period of Record: 11/23/92 to current year

Spillway Capacity: 1,286 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

No significant storage during Water Year 1998.*

	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 1998	MEAN	0	MAX	0	MIN	0						

* Due to the extreme length of the dam, impoundment may occur behind the dam but not be detected by the instrumentation.

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
Drainage Area: 18.6 mi² (White Tanks ADMS)
Period of Record: Nov. 1987 to current year
Spillway Capacity: 1,243 ac-ft
 Volume, in acre feet, Water Year October 1997 to September 1998

No impoundment above gage during Water Year 1998.*

	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 1998	MEAN	0	MAX	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 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

Drainage Area: 1.3 mi²

Period of Record: 08/15/1996 to current year

Spillway Capacity: 143 ac-ft

Volume, in acre feet, Water Year October 1997 to September 1998

Maximum storage impounded during Water Year 1998:

<u>Day</u>	<u>Maximum Storage</u>		<u>Day</u>	<u>Maximum Storage</u>	
	<u>(ac-ft)</u>	<u>(% full)</u>		<u>(ac-ft)</u>	<u>(% full)</u>
Aug. 8	3.6	2.5	Aug. 12	10.3	7.2
Aug. 13	2.8	2.0			

Daily Mean Values

<u>DAY</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>
8											1	
12											2	
13											2	
14											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	10	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
WTR YR 1998	MEAN		0	MAX	10	MIN	0					

See also Surface Water Streamflow and Pool Level Data.

Comment/Errata Sheet

Flood Control District of Maricopa County
Flood Warning and Data Collection Branch
2801 W. Durango Street
Phoenix, Arizona 85009

Place
Stamp
Here

Flood Control District of Maricopa County
Flood Warning and Data Collection Branch
2801 W. Durango Street
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