

# Whitlow Ranch Dam - ID # 6739

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Saturday, December 22, 2018 :: 2:41:15 pm

Page Last Updated: 18 December 2018



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## GAGE ID HISTORY

ID	Elevation of Instrument in Gage Height	Elevation of Instrument in Datum	Period
6739	3.30 feet	2,059.30 feet M.S.L.	08/02/2000 -- Current

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## SITE DATA

STATUS	Active
LOCATION	East of Apache Junction near Queen Valley
DRAINAGE AREA	143.5 mi <sup>2</sup>
STREAM TYPE	Dam of natural drainage
JURISDICTION	Pinal County, Arizona
WATERSHED	Queen Creek
SECTION/TOWNSHIP/RANGE	S36 T1S R10E
LATITUDE	N 33° 17' 56.6"   +33.29906
LONGITUDE	W 111° 16' 32.8"   -111.27579
ARIZONA STATE PLANE	E 895771   N 836925
USGS QUAD SHEET	Florence Junction 7.5-Minute
STREAMGAGE INSTALLATION DATE	08/02/2000 - WY 2000
PERIOD OF AVAILABLE DATA RECORD	08/02/2000 - Current
LENGTH OF AVAILABLE DATA RECORD (AS OF 10/01/2018)	17.87 Years   6,526 Days
GAPS (> 2 DAYS) IN RECORD	None
STAGE GAGE TYPE	Non-submersible Pressure Transducer
STAGE GAGE ELEVATION	3.30 feet Gage Height
STAFF GAGES	28
CREST STAGE GAGES	0
ZERO GAGE HEIGHT ELEVATION	2,056.00 feet M.S.L.
POINT OF ZERO FLOW	0.00 feet Gage Height
SPILLWAY ELEVATION	110.0 feet Gage Height
TOP OF DAM ELEVATION	143.0 feet Gage Height

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## BRIEF RATING

<b>Current Discharge Rating = #1 - Applied since 01/19/2000</b>			
<b>Current Capacity Rating = #1 - Applied since 01/19/2000</b>			
<b>Gage Height (feet)</b>	<b>Elevation (feet M.S.L.)</b>	<b>Discharge (cfs)</b>	<b>Volume (acre-feet)</b>
0.0	2,056.0	0	0.0
10.0	2,066.0	215	7
20.0	2,076.0	431	228
30.0	2,086.0	526	994
40.0	2,096.0	606	2,459
50.0	2,106.0	678	4,600
60.0	2,116.0	743	7,559
70.0	2,126.0	802	11,390
80.0	2,136.0	858	16,082
90.0	2,146.0	910	21,625
100.0	2,156.0	960	28,122
110.0	2,166.0	1,005	35,593
120.0	2,176.0	23,310	44,700
130.0	2,186.0	83,147	55,201
140.0	2,196.0	163,840	67,241
143.0	2,199.0	193,150	71,032

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## WATER YEAR PEAKS

<b>Water Year</b>	<b>Peak Gage Height (feet)</b>	<b>Peak Volume (acre-feet)</b>	<b>Percent Full (Available Storage Capacity)</b>	<b>Date of Peak</b>
2020				
2019				
2018	19.29	188	1.9	08/22/2018
2017	25.45	577	3.8	01/24/2017
2016	15.08	60	0.6	08/03/2016
2015	15.60	75	0.8	10/19/2014

2014	18.40	155	1.6	09/27/2014
2013	7.50	1	0.0	09/13/2013
2012	None	0	0.0	None
2011	None	0	0.0	None
2010	53.00	5,330	15.0	01/22/2010
2009	None	0	0.0	None
2008	30.94	1,100	3.1	01/28/2008
2007	29.72	971	2.7	08/06/2007
2006	15.19	63	0.2	08/12/2006
2005	58.20	6,965	19.6	02/12/2005
2004	None	0.0	0.0	None
2003	None	0.0	0.0	None
2002	None	0.0	0.0	None
2001	5.26	1	0.0	03/10/2001
2000 (partial)	None	0.0	0.0	None

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## IMPOUNDMENT EVENT HISTORY

Date of Peak	Time of Peak	Runoff Start	Runoff End	Duration (hours)	Peak Stage (feet GH)	Peak Volume (acre-feet)	Water Year
<a href="#">View a Plot of These Data</a>							
09/02/2018	06:00	09/02/2018 02:55	09/02/2018 11:00	8.1	17.71	135	2018
08/24/2018	22:10	08/24/2018 21:25	08/25/2018 00:00	2.6	15.58	74	2018
08/22/2018	20:30	08/22/2018 18:05	08/23/2018 03:20	9.3	19.29	188	2018
07/10/2018	17:10	07/10/2018 16:50	07/10/2018 18:00	1.2	14.23	36	2018
07/24/2017	14:15	07/22/2017 19:35	07/25/2017 06:00	58.4	19.20	183	2017
07/21/2017	21:35	07/21/2017 18:50	07/22/2017 03:35	8.8	18.26	151	2017
01/24/2017	05:45	data unavailable	01/26/2017 00:20		25.45	577	2017
12/22/2016	15:55	12/22/2016 13:20	12/23/2016 17:00	27.7	16.59	103	2017
08/05/2016	19:38			61.3	13.72	27	2016

		08/05/2016 19:21	08/08/2016 08:40				
08/03/2016	19:14	08/03/2016 12:01	08/04/2016 00:00	12.0	15.08	60	2016
10/19/2014	21:09	10/19/2014 18:09	10/20/2014 12:09	18.0	15.60	75	2015
09/27/2014	21:05	09/27/2014 17:39	09/28/2014 06:09	12.5	18.40	155	2014
07/06/2014	03:10	07/06/2014 01:05	07/06/2014 06:10	5.1	15.70	78	2014
09/13/2013	17:10	09/13/2013 16:40	09/13/2013 21:25	4.8	7.50	1	2013
03/08/2010	12:10	03/04/2010 08:12	03/31/2010 00:20	640	6.30	1	2010
02/23/2010	00:42	02/22/2010 16:02	02/23/2010 12:42	20.7	6.00	1	2010
01/22/2010		Data Unavailable	Data Unavailable		53.00	5,330	2010
09/01/2008	02:59	09/01/2008 01:59	09/01/2008 04:30	2.5	8.03	1	2008
07/11/2008	01:12	07/10/2008 23:42	07/11/2008 05:17	5.6	11.14	13	2008
02/16/2008	03:54	02/15/2008 23:44	02/16/2008 11:18	11.6	4.52	1	2008
02/04/2008	19:34	02/04/2008 14:24	02/05/2008 08:45	18.4	6.21	1	2008
01/28/2008	08:53	01/27/2008 21:03	01/30/2008 06:12	57.2	30.94	1,100	2008
01/07/2008	19:54	01/07/2008 10:44	01/08/2008 17:44	31.0	22.90	392	2008
12/11/2007	06:40	12/11/2007 05:45	12/11/2007 12:10	6.4	4.92	1	2008
12/08/2007	12:10	12/08/2007 04:35	12/08/2007 22:35	18.0	14.99	58	2008
08/06/2007	19:14	08/06/2007 16:29	08/07/2007 19:17	26.8	29.72	971	2007
07/21/2007	23:33	07/21/2007 20:18	07/22/2007 13:38	17.3	18.98	172	2007
08/14/2006	20:48	08/14/2006 14:53	08/15/2006 05:44	14.9	14.38	40	2006
08/14/2006	09:13	08/14/2006 08:38	08/14/2006 14:23	5.8	13.91	28	2006
08/12/2006	05:58	08/11/2006 17:25	08/12/2006 13:58	20.5	15.19	63	2006
07/29/2006	04:28	07/29/2006 02:58	07/29/2006 07:33	4.6	9.25	2	2006
07/27/2006	11:39	07/27/2006 09:24	07/27/2006 14:39	5.3	10.60	10	2006
02/12/2005					58.20	6,965	2005

		Data Unavailable	Data Unavailable				
03/10/2001	16:31	03/10/2001 15:16	03/10/2001 19:06	3.8	5.26	1	2001

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## STAFF GAGES

Staff Gage Range	Staff Gage Information
2056 - 2061	Near outlet, subtract 2056 for gage height
2061 - 2066	Near outlet, subtract 2056 for gage height
2066 - 2071	Near outlet, subtract 2056 for gage height
2071 - 2076	Near outlet, subtract 2056 for gage height
2076 - 2081	Near outlet, subtract 2056 for gage height
2081 - 2086	Near outlet, subtract 2056 for gage height
2086 - 2091	Near outlet, subtract 2056 for gage height
2091 - 2096	Near outlet, subtract 2056 for gage height
2096 - 2101	Near outlet, subtract 2056 for gage height
2101 - 2106	Near outlet, subtract 2056 for gage height
2106 - 2111	Near outlet, subtract 2056 for gage height
2111 - 2116	Near outlet, subtract 2056 for gage height
2116 - 2121	Near outlet, subtract 2056 for gage height
2121 - 2126	Near outlet, subtract 2056 for gage height
2126 - 2131	Near outlet, subtract 2056 for gage height
2131 - 2136	Near outlet, subtract 2056 for gage height
2136 - 2141	Near outlet, subtract 2056 for gage height
2141 - 2146	Near outlet, subtract 2056 for gage height
2146 - 2151	Near outlet, subtract 2056 for gage height
2151 - 2156	Near outlet, subtract 2056 for gage height
2156 - 2161	Near outlet, subtract 2056 for gage height
2161 - 2166	Near outlet, subtract 2056 for gage height
2166 - 2171	Near outlet, subtract 2056 for gage height
2171 - 2176	Near outlet, subtract 2056 for gage height
2176 - 2181	Near outlet, subtract 2056 for gage height
2181 - 2186	Near outlet, subtract 2056 for gage height
2186 - 2191	Near outlet, subtract 2056 for gage height
2191 - 2196	Near outlet, subtract 2056 for gage height

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