

Reference Material

1. Monthly Total Precipitation (inches), Eureka, Nevada; Web Address - <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?nv2708>; Desert Research Institute - Climate Summary
2. Taft/Thompson/Jacobson Springs Flow Measurements; Sources:
 - a. Water-Supply Card and Notes that are in the back of Eureka County field book No. 8 - Field book indicates that there are two springs that can be combined in reservoir. Small Spring flows 0.25 cfs and Large Spring flows 1.29 cfs; Division of Water Resources, State of Nevada;
 - b. USGS 1937 Thermal Springs Report No. 679-B; Referred to as Jacobson Ranch Springs; Jorgen P. Jacobsen was conveyed ownership on March 6, 1924.
 - c. James R. Harrill Memo to File; USGS; Dated March 15, 1982.
 - d. Current Meter Notes; Located in Claim File V01114; Division of Water Resources, State of Nevada.
 - e. USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
3. Table 1 - Estimated irrigated acreage and estimated pumpage in Diamond Valley, Nevada, 1950-90, (Page 5); USGS 1990 Diamond Valley Report.
4. Historical Crop Inventory; Received by email on 9/3/2013 from the Diamond Valley Basin Engineer; Division of Water Resources, State of Nevada.

**USGS & DWR Diamond Valley
Total Pumpage and Irrigation
by Year**

Year	Total Pumpage	Total Irrigation	Active Wells	Wells Visited
1950	300			
1951	600			
1952	800			
1953	800			
1954	800			
1955	1,000			
1956	1,000			
1957	1,180			
1958	1,854			
1959	1,800			
1960	2,400			
1961	6,100	3,200	--	--
1962	11,000	5,600	--	--
1963	9,700	4,800	--	--
1964	12,000	5,740	--	--
1965	19,300	7,600	75	281
1966	22,400	13,000	75	
1967	19,360	9,500		
1968	18,160	9,000		
1969	22,900			
1970				
1971				
1972				
1973				
1974				
1975	53,388	17,796	125	228
1976	56,151	18,717	137	232
1977	52,956	19,988	143	233
1978	59,760	21,855	164	233
1979	61,839	22,583	172	234
1980	64,035	23,055	187	240
1981	71,745	25,279	183	238
1982	73,336	25,305	180	242
1983	71,857	24,812	188	243
1984	78,730	26,844	189	248
1985	77,848	26,844	189	248
1986	58,883	20,656	174	249
1987	66,028	22,966	166	249
1988	63,356	21,569	163	249
1989	66,734	23,485	168	239
1990	64,210	22,235	158	291
1991				
1992	58,585	20,640		
1993	60,478	21,421		
1994	60,883	21,556		
1995	60,883	19,750		
1996	57,779	20,413		
1997	55,140	19,750		
1998	60,985	18,916		
1999	68,883	23,588		
2000	70,601	22,525		
2001				
2002	60,900	21,850		
2003	60,900	21,850		
2004	65,687	23,126		
2005	65,687	23,126		
2006	96,610	24,152		
2007	95,738	24,011		
2008	96,603	24,220		
2009	97,539	24,435		
2010	97,536	24,608		
2011	96,791	24,357		
2012	65,687	25,234		

Division of Water Resources Data

HISTORICAL CROP INVENTORY

	1975	1976	1977	1978	1979	1980	1981
Acres Irrigated	17,796	18,717	19,988	21,855	22,583	23,055	25,279
Acre-Feet Pumped	53,388	56,151	52,956	59,760	61,839	64,035	71,745

	1982	1983	1984	1985	1986	1987	1988
Acres Irrigated	25,305	24,812	26,844	26,844	20,656	22,966	21,569
Acre-Feet Pumped	73,336	71,857	78,730	26,844	58,883	66,028	63,356

	1989	1990	1991	1992	1993	1994	1995
Acres Irrigated	23,485	22,235	No	20,640	21,421	21,556	19,750
Acre-Feet Pumped	66,734	64,210	Report	58,585	60,478	60,883	55,140

	1996	1997	1998	1999	2000	2001	2002
Acres Irrigated	20,413	19,750	18,916	23,588	22,525	No	21,850
Acre-Feet Pumped	57,779	55,140	60,985	68,883	70,601	Report	60,900

	2003	2004	2005	2006	2007	2009	2010
Acres Irrigated	21,850	23,126	23,126	24,152	24,011	24,435	24,608
Acre-Feet Pumped	60,900	65,687	65,687	96,610	96,738	97,539	97,536

	2011	2012					
Acres Irrigated	24,357	25,234					
Acre-Feet Pumped	96,791	65,687					

**USGS Diamond Valley Total
Pumpage and Irrigation by
Year**

Year	Total Pumpage	Total Irrigation	Active Wells	Wells Visited
1950	300	--	--	--
1951	600	--	--	--
1952	800	--	--	--
1953	800	--	--	--
1954	800	--	--	--
1955	1,000	--	--	--
1956	1,000	--	--	--
1957	1,200	--	--	--
1958	1,200	--	--	--
1959	1,800	--	--	--
1960	2,400	--	--	--
1961	6,100	3,200	--	--
1962	11,000	5,600	--	--
1963	9,700	4,800	--	--
1964	12,000	5,740	--	--
1965	16,000	7,600	75	281
1966	22,400	13,000	75	--
1967	19,400	9,500	--	--
1968	18,200	9,000	--	--
1969	22,900	--	--	--
1970	--	--	--	--
1971	--	--	--	--
1972	--	--	--	--
1973	--	--	--	--
1974	--	--	--	--
1975	53,400	17,800	125	228
1976	56,200	18,700	137	232
1977	5,300	19,800	143	233
1978	59,800	21,900	164	233
1979	61,800	22,600	172	234
1980	64,000	23,100	187	240
1981	71,700	25,300	183	238
1982	73,300	25,300	180	242
1983	71,900	24,800	188	243
1984	78,100	26,800	189	248
1985	78,100	26,800	189	248
1986	69,600	24,200	174	249
1987	66,000	23,000	166	249
1988	63,400	21,600	163	249
1989	66,700	23,500	168	239
1990	64,400	22,200	158	291

Taft/Thompson/Jacobson Springs - Measured Flow Data

Date of Measurement	Measured		Reference & Comments
	GPM	CFS	
10/14/1912	691	1.54	Water-Supply Card and Notes that are in the back of Eureka County field book No. 8 - Field book indicates that there are two springs that can be combined in reservoir. Small Spring flows 0.25 cfs and Large Spring flows 1.29 cfs; Division of Water Resources, State of Nevada;
1937	900	2.01	USGS 1937 Thermal Springs Report No. 679-B; Referred to as Jacobson Ranch Springs; Jorgen P. Jacobsen was conveyed ownership on March 6, 1924.
9/21/1965	1050	2.34	James R. Harrill Memo to File; USGS; Dated March 15, 1982.
4/1/1966	950	2.12	James R. Harrill Memo to File; USGS; Dated March 15, 1982.
10/19/1966	920	2.05	James R. Harrill Memo to File; USGS; Dated March 15, 1982.
5/13/1981	256	0.57	Current Meter Notes; Located in Claim File V01114; Division of Water Resources, State of Nevada.
10/3/1981	30	0.07	James R. Harrill Memo to File; USGS; Dated March 15, 1982.
3/10/1982	130	0.29	James R. Harrill Memo to File; USGS; Dated March 15, 1982.
4/21/1982	192	0.43	Current Meter Notes; Located in Claim File V01114; Division of Water Resources, State of Nevada.
4/30/1982	345	0.77	Current Meter Notes; Located in Claim File V01114; Division of Water Resources, State of Nevada.
7/6/1983	1073	2.39	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
8/3/1983	1266	2.82	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
11/8/1983	1270	2.83	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
6/12/1984	1863	4.15	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
11/14/1984	1355	3.02	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
1/18/1985	1477	3.29	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
5/27/1985	1481	3.30	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
11/3/1985	1118	2.49	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
2/5/1986	1001	2.23	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.

2/9/1987	817	1.82	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
8/10/1987	320	0.713	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
2/22/1988	278	0.620	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
3/13/1989	215	0.480	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
4/2/1990	256	0.570	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
11/15/1990	54	0.120	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
3/8/1991	395	0.880	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
6/4/1991	135	0.300	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
10/25/1991	9	0.020	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
12/8/1991	13	0.030	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.
3/20/1992	85	0.190	USGS Water Resources Internet Database Printout; Dated 8/17/2013 for USGS Site 395415115524301 153 N23 E54 03DBD1 Spring.

EUREKA, NEVADA

Monthly Total Precipitation (inches)

File last updated on Apr 4, 2013

*** Note *** Provisional Data *** After Year/Month 201304

a = 1 day missing, b = 2 days missing, c = 3 days, ...etc...

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not

sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS : 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing.

Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN												
1888	0	z	0	z	0	z	1.77	0.28	0.76	0.06	0.57	1.03	0.56	0.6	5.63										
1889	0.86	z	0.03	1.46	0.23	1.58	0.53	0.01	0.54	0	z	1.47	0.19	2.36	6.04										
1890	2.87	1.1	3.21	u	1.08	1.72	0	0.25	0	z	0.01	z	0.39	z	0.04	9.75	y	7.06							
1891	0.6	z	0	z	2.81	r	1.24	t	2.48	2.47	1.66	z	0.84	z	0.49	y	0.2	0	z	0	z	5.15			
1892	0	z	0.5	1.82	t	0.25	0	z	0	z	0.02	z	0.03	0	z	6	z	0	z	0	z	0	z	0.78	
1893	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0.6	0.6	
1894	1.39	2.14	1.62	0.37	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	5.52
1895	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0
1896	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0
1897	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0
1898	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0
1899	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0
1900	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0
1901	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0
1902	0	z	0	z	5.4	1.55	0.9	0.3	0.5	0	1	0.4	1.1	0.3	11.45										
1903	1	1.2	0.35	1.1	1.1	0.1	0	0	0	0	0	0	0	0.2	5.05										
1904	0.45	1.8	1	0.59	0	0	1.5	3.4	0.11	0.71	0	0.25	9.81												
1905	2.6	2.6	1.1	2.23	1.1	0.07	0	0.95	0.5	0	1.4	1.6	14.15												
1906	0	z	0	z	0.01	u	1.26	2.59	1.21	1.27	0.65	0.53	0.66	1.24	2.49	11.9									
1907	4.7	0.78	2.18	1.04	2.62	3.86	0.19	0.63	0.64	0.85	0.7	2.45	20.64												
1908	2.15	2.55	1.95	0.3	2.13	0.44	1.28	0.57	1.7	0.53	0.15	0.25	14												
1909	1.58	0.78	1.28	0.5	0.09	0	0.38	1.64	0.68	1.29	3.53	0.71	12.46												
1910	0.71	0.52	0.81	0.53	0.65	0.02	2.82	0.54	1.15	0.7	0.58	0.63	9.46												
1911	1.49	1.3	1.27	1.35	1.01	1.63	0.5	0	1.2	0.65	0.18	0.77	z	10.58											
1912	0.72	0.13	4.05	2.33	0.8	0.79	y	3.38	0.53	0.65	4.08	x	0.87	0.69	14.15										
1913	0.48	1.02	0.75	1.68	3.16	3.79	1.42	0.81	0.57	0.15	1.14	0.21	z	14.97											
1914	1.88	1.45	0.46	3.57	1.56	2.98	1.49	0.23	0.7	0.54	0	0.15	15.01												
1915	0.61	1.06	0.71	3.29	2.98	0.37	0.47	0	0.1	0.1	0.39	0.63	10.71												
1916	3.18	0.41	1.88	2.48	2.09	0.18	0.37	0	z	0.53	3.99	0.48	0.41	16											
1917	0.39	1.28	1.16	0.94	5.73	0.16	0	z	0	z	0.63	0	0.58	0.3	11.17										
1918	1	1.39	2.3	1.45	1.46	1.97	0.66	0.73	2.04	1.76	0.46	1.07	16.29												
1919	0.01	1.07	1.7	0.31	0	z	0	z	0	z	0	z	0	z	3.09										
1920	0.15	z	0.89	w	0.63	y	0	z	0	z	0	z	0	z	z	0									
1921	0	z	0	z	0	z	0	z	0	z	0	z	0	z	1.92	f	0								
1922	1	1.83	0.76	1.48	1.08	0.25	0.55	2.34	0	0.5	0.9	1.32	12.01												
1923	1.4	0.62	0.72	a	0	x	1.59	x	1.46	1.01	0.99	1.67	0.64	0.3	1.25	10.06									
1924	0.56	0.43	1.34	0.73	0.01	0	0.1	0.22	0.2	1.19	0.6	1.67	7.05												
1925	0.8	0.77	0.28	1.19	1.33	1.12	0.7	0.74	0.47	0.84	0.75	0.49	9.48												
1926	0.49	0.89	0.26	0.69	0.81	0.42	1.28	0.46	0.05	0.01	0.87	0.61	6.84												
1927	0.71	0.8	1.01	0.74	0.68	0	z	0	z	0.57	0.43	1.75	0.84	0	z	7.53									
1928	0.7	0.18	0.84	0.22	0.32	0.96	0.81	0.34	0	0.55	0.42	0.79	6.13												
1929	0.52	0.38	2.1	0.81	0.06	0.65	0.74	1.02	1.11	0.05	0	0.27	7.71												
1930	0.44	w	0.8	0.39	1.59	2.09	0.17	0	0	z	0	z	0	z	0.2	5.24									
1931	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1932	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1933	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1934	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1935	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1936	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1937	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1938	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0.34	0.34									
1939	1.17	0.96	1.18	3.12	1.09	0.1	1.13	0.24	1.78	2.38	0.16	0.3	13.61												
1940	2.26	1.63	0.44	3.13	0.09	1.1	0.05	0.04	1	0.73	0.59	1.03	12.09												
1941	1.51	1.22	1.67	3.04	2.16	2.31	1.75	2.66	0.92	2.5	1.81	2.31	23.86												
1942	1.41	1.31	1.25	2.22	2.1	0	0	0.21	0	1.22	0.75	0.25	10.72												
1943	0.75	1.04	u	1.8	1.91	0	z	0	z	0	z	0	z	0	z	4.46									
1944	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1945	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1946	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1947	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1948	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1949	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1950	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1951	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1952	0	z	0	z	0	z	0	z	0	z	0	0.5	1.45	1.95											
1953	0.49	0.45	0.91	0.82	0.29	0.55	0.74	0.13	0.01	1.62	0.56	0.79	7.36												
1954	1.14	0.81	2.06	1.19	0.08	1.51	1.39	0	0.72	0	0	0.19	9.09												
1955	0.92	1.15	0.18	0.67	1.5	b	0.33	0.46	1.96	0.14	0	0.77	1.94	10.02											
1956	1.01	0.73	0.09	1.5	2.33	0.12	0.11	0	0.06	0.33	0	0.05	6.33												
1957	0.77	0.44	1.61	0.38	4.99	1.16	0.11	0.59	0.61	1.71	2.04	0.13	14.54												
1958	0.08	0.87	2	1.51	0.41	0.37	0.14	0.63	0.62	0	0.17	0.03	6.83												
1959	0.13	3.46	0.33	0.25	0.94	0.22	0.23	0.28	0.63	0	0	1.2	7.67												
1960	0.7	0.85	0.88	1.12	0.59	0	z	0	z	0	z	0	z	0	z	4.14									
1961	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1962	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1963	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0	z	0								
1964	0	z	0	z	0	z	0	z	0	z	0	z	1.07	d	2.32	3.39									
1965	0.86	0.74	0.83	1.86	1.06	1.86	0.87	2.44	0.91	0.23	1.67	1.92	15.25												
1966	0.32	0.8	0.22	0.41	0.83	0.74	0.82	0.57	0.44	0.35	0.34	2.07	7.91												
1967	1.4	0.53	1.56	3.4	3.28	3.1	0.8	0.31	1.21	0.09	0.5	0.48	16.66												
1968	1.34	1.52	1.14	0.46	1.49	2.14	0.77	1.54	1.01	1.14	0.27	1.85	14.67												
1969	1.63	2.72	1.36	0.72	0.42	4.37	1.18	0.69	0.28	1.38	0.73	1.61	17.09												

1970	0.27	0.25	0.91	1.05	0.36	1.19	2.27	1.58	1.23	0.44	2.49	1	13.04					
1971	0.65	1.29	0.91	3.1	3.7	0.53	0.21	0.25	0.38	0.52	2.31	2.2	16.05					
1972	0.18	0.41	0.09	0.92	0.44	0.24	0.28	0.52	2.1	1.17	0.83	1.82	9					
1973	1.78	0.44	3.3	0.87	1.43	1.31	0.26	0.34	0.15	0.86	2.14	1.08	13.96					
1974	0.61	0.6	0.9	0.61	0.4	0	0.58	0.17	0.01	1.72	1	1.18	7.78					
1975	1.47	0.86	1.89	3	3.12	1.06	0.35	0.53	0.63	3.25	1.21	0.93	18.3					
1976	0.5	1.55	1.01	1.37	0.93	0.74	2.33	1.11	1.72	0.99	0.33	0.15	12.73					
1977	0.5	0.48	1.56	0.84	3	1.5	0.44	3.34	0.95	0.05	0.5	0.67	13.83					
1978	1.29	2.03	2.08	3.68	0.53	0.02	0.13	0.09	2.74	1.05	0.76	1.48	15.88					
1979	1	0.51	1.38	1.33	0.81	0.26	0.84	2.16	0.07	0.62	0.51	0.25	9.74					
1980	2.01	0.82	0.75	0.58	4.63	0.45	1.53	0.17	2.06	0.7	1.62	0.16	15.48					
1981	0.72	0.19	2.47	0.63	2.3	0.34	0	0	0.16	1.74	0.12	0.83	9.5					
1982	1.4	0.36	3.08	0.89	1.12	0.78	1.86	1.26	4.19	1.11	0.7	0.91	17.66					
1983	2.49	0.59	2.64	2.32	0.66	1.49	0.32	4.42	1.41	1.56	1.37	3.65	22.92					
1984	0.55	0.92	1.69	1.38	b	0.35	1.41	b	2.2	a	3.15	1.5	0.55	0.75	a	16.86		
1985	0.42	a	0.25	1.02	0.12	0.62	a	0.48	b	0	z	0	y	1.31	c	1.91	0.69	6.82
1986	0.23	1.59	1.19	2.15	0.91	0.09	0.18	0.37	0.1	1.33	0.15	0	8.29					
1987	1.05	1.06	3.88	0.33	b	4.59	0.32	0.14	0	0	0.67	3.56	0.76	16.36				
1988	1.37	0.08	0.05	1.1	2.3	0.22	0	0.75	0.5	0.52	1.83	0	z	8.72				
1989	2.59	e	0.46	0	g	0	z	0	z	1.04	1.49	0	1.26	b	0.18	0.19	7.21	
1990	0.86	0	z	1.34	1.55	1.28	a	0.94	0.42	0.55	0.69	0.13	0.4	b	0.55	8.71		
1991	0.16	0.33	0.91	d	0.54	2.55	0.29	0	0.12	1.8	0.7	1.04	1.2	k	8.44			
1992	0.04	0.5	1.9	0	0	1.09	1.34	0.17	0.26	0.61	0.57	2	a	8.48				
1993	1.49	0.82	0.74	a	0.15	0.61	1.26	0.16	0.25	0.38	2.35	0.01	0.19	8.41				
1994	0	2.91	1.01	1.63	1.15	0.03	0.01	1.53	0.74	a	0.57	0.89	0.95	11.42				
1995	1.45	0.92	3.53	0.37	2.61	1.32	0.04	0.38	a	0.11	0	0.21	1.27	12.21				
1996	1.71	a	1.2	1.13	0.4	2.15	0	0.11	0	0.87	0.64	1.23	0.86	a	10.3			
1997	2	1.59	0.11	0.09	a	0.16	1.83	0.48	0.68	1.94	1.1	1.17	0.29	11.44				
1998	0	1.15	2.22	1.66	1.95	1.65	0	0.1	0.74	1.81	0.77	0.06	12.11					
1999	1.34	0.03	0	3.01	0	1.7	0	0.48	0.71	a	0.04	0.29	0	7.6				
2000	0.1	a	2.31	0.76	0.15	1.19	a	0.38	0.03	1.32	a	0.6	1.63	a	0.44	0.05	8.96	
2001	1.08	1.55	2.36	a	1.95	0	0	0.82	0.57	0.71	0.39	0.86	0.57	10.86				
2002	0.84	1.88	0.23	2.18	b	0.32	0	0.84	a	0.1	0.21	0.3	0.77	0.6	8.27			
2003	0.34	a	0.97	0.82	2.68	1.31	0	0	a	2.96	0.5	0	0.59	1.95	12.12			
2004	0.13	a	1.82	a	0.26	1.82	0.29	0.02	1.33	0.91	1.02	4.04	a	1.1	0.3	13.04		
2005	2.92	a	1.21	1.41	a	2.48	3.55	0.1	0.54	0.08	0	z	0.28	0	d	0.45	13.02	
2006	1.89	a	1.46	0	z	1.51	0.49	0	0.32	0	0	0.89	0.62	0.45	7.63			
2007	0.51	0.58	2.35	1.52	0.61	0.53	0.97	1.9	b	0.95	0.51	0.3	1.73	12.46				
2008	1.27	1	0.18	0.18	0.12	0.17	0.23	0.07	a	0.53	0.35	0.58	0.96	5.64				
2009	1.15	1.22	0.71	3.45	0.25	1.51	0.26	0.44	0.26	0.8	0.1	1.63	11.78					
2010	0.45	0.93	2.3	1.59	1.08	0.04	0.99	0.02	a	0.65	1.94	2.12	0.95	13.06				
2011	0.02	1.74	1.03	1.86	2.39	0.6	0.46	0.97	0.58	1.15	0.34	0.06	11.2					
2012	0.62	1.34	1.99	0.95	0	0.17	0.4	1.26	1.55	0.39	0.8	1.8	11.27					
2013	1.29	1.36	0.08	0.08	z	0	z	0	z	0	z	0	z	0	z	0	z	2.73

Period of Record Statistics

MEAN	1.07	1.05	1.33	1.34	1.41	0.83	0.68	0.78	0.78	0.89	0.78	0.9	11.89
S.D.	0.83	0.68	0.98	0.97	1.24	0.95	0.69	0.9	0.76	0.83	0.72	0.75	4.02
SKEW	1.44	1.08	1.37	0.73	1.23	1.66	1.48	1.79	1.84	1.59	1.69	1.04	0.69
MAX	4.7	3.46	5.4	3.68	5.73	4.37	3.38	4.42	4.19	4.04	3.56	3.65	23.86
MIN	0	0.03	0	0	0	0	0	0	0	0	0	0	5.05
NO YRS	88	89	88	91	88	86	85	84	83	87	89	85	68

TABLE 1.1.1.1
 Discharge Valley Total
 Precipitation by Year

Year	Total Precipitation (inches)
1961	80
1962	80
1963	80
1964	80
1965	80
1966	80
1967	80
1968	80
1969	80
1970	80
1971	80
1972	80
1973	80
1974	80
1975	80
1976	80
1977	80
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2006	80
2007	80
2008	80
2009	80
2010	80
2011	80
2012	80
2013	80
2014	80
2015	80
2016	80
2017	80
2018	80
2019	80
2020	80
2021	80
2022	80

Table 1.1.1.2
 Total Discharge/Inches/Sq
 Footage by Year

Year	Total Discharge/Inches/ Footage
1961	100
1962	100
1963	100
1964	100
1965	100
1966	100
1967	100
1968	100
1969	100
1970	100
1971	100
1972	100
1973	100
1974	100
1975	100
1976	100
1977	100
1978	100
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2005	100
2006	100
2007	100
2008	100
2009	100
2010	100
2011	100
2012	100
2013	100
2014	100
2015	100
2016	100
2017	100
2018	100
2019	100
2020	100
2021	100
2022	100

EUREKA, NEVADA
 Monthly Total Precipitation (inches)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1961	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1962	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1963	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1964	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1965	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1966	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1967	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1968	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1969	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1970	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1971	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1972	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1973	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1974	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1975	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1976	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1977	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1978	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1979	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1980	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1981	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1982	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1983	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1984	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1985	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1986	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1987	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1988	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1989	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1990	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1991	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1992	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1993	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1994	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1995	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1996	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1997	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1998	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
1999	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2003	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2004	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2005	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2006	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2007	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2009	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2010	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2011	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2012	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2013	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2014	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2015	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2016	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2017	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2018	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2019	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2020	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2021	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
2022	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2

ANNUAL PRECIPITATION - AVERAGE PRECIPITATION - SPRING FLOW

Year	Annual Precipitation (inches)	Spring Flow (cfs)
1961	1.2	100
1962	1.2	100
1963	1.2	100
1964	1.2	100
1965	1.2	100
1966	1.2	100
1967	1.2	100
1968	1.2	100
1969	1.2	100
1970	1.2	100
1971	1.2	100
1972	1.2	100
1973	1.2	100
1974	1.2	100
1975	1.2	100
1976	1.2	100
1977	1.2	100
1978	1.2	100
1979	1.2	100
1980	1.2	100
1981	1.2	100
1982	1.2	100
1983	1.2	100
1984	1.2	100
1985	1.2	100
1986	1.2	100
1987	1.2	100
1988	1.2	100
1989	1.2	100
1990	1.2	100
1991	1.2	100
1992	1.2	100
1993	1.2	100
1994	1.2	100
1995	1.2	100
1996	1.2	100
1997	1.2	100
1998	1.2	100
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2001	1.2	100
2002	1.2	100
2003	1.2	100
2004	1.2	100
2005	1.2	100
2006	1.2	100
2007	1.2	100
2008	1.2	100
2009	1.2	100
2010	1.2	100
2011	1.2	100
2012	1.2	100
2013	1.2	100
2014	1.2	100
2015	1.2	100
2016	1.2	100
2017	1.2	100
2018	1.2	100
2019		

Year	Total Precipitation (inches)
1900	51
1901	60
1902	60
1903	60
1904	60
1905	60
1906	60
1907	60
1908	60
1909	60
1910	60
1911	60
1912	60
1913	60
1914	60
1915	60
1916	60
1917	60
1918	60
1919	60
1920	60
1921	60
1922	60
1923	60
1924	60
1925	60
1926	60
1927	60
1928	60
1929	60
1930	60
1931	60
1932	60
1933	60
1934	60
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2016	60
2017	60
2018	60
2019	60
2020	60
2021	60
2022	60
2023	60
2024	60
2025	60
2026	60
2027	60
2028	60
2029	60
2030	60

Station	Year	Total Precipitation (inches)	Notes
1900	1900	51	
1901	1901	60	
1902	1902	60	
1903	1903	60	
1904	1904	60	
1905	1905	60	
1906	1906	60	
1907	1907	60	
1908	1908	60	
1909	1909	60	
1910	1910	60	
1911	1911	60	
1912	1912	60	
1913	1913	60	
1914	1914	60	
1915	1915	60	
1916	1916	60	
1917	1917	60	
1918	1918	60	
1919	1919	60	
1920	1920	60	
1921	1921	60	
1922	1922	60	
1923	1923	60	
1924	1924	60	
1925	1925	60	
1926	1926	60	
1927	1927	60	
1928	1928	60	
1929	1929	60	
1930	1930	60	
1931	1931	60	
1932	1932	60	
1933	1933	60	
1934	1934	60	
1935	1935	60	
1936	1936	60	
1937	1937	60	
1938	1938	60	
1939	1939	60	
1940	1940	60	
1941	1941	60	
1942	1942	60	
1943	1943	60	
1944	1944	60	
1945	1945	60	
1946	1946	60	
1947	1947	60	
1948	1948	60	
1949	1949	60	
1950	1950	60	
1951	1951	60	
1952	1952	60	
1953	1953	60	
1954	1954	60	
1955	1955	60	
1956	1956	60	
1957	1957	60	
1958	1958	60	
1959	1959	60	
1960	1960	60	
1961	1961	60	
1962	1962	60	
1963	1963	60	
1964	1964	60	
1965	1965	60	
1966	1966	60	
1967	1967	60	
1968	1968	60	
1969	1969	60	
1970	1970	60	
1971	1971	60	
1972	1972	60	
1973	1973	60	
1974	1974	60	
1975	1975	60	
1976	1976	60	
1977	1977	60	
1978	1978	60	
1979	1979	60	
1980	1980	60	
1981	1981	60	
1982	1982	60	
1983	1983	60	
1984	1984	60	
1985	1985	60	
1986	1986	60	
1987	1987	60	
1988	1988	60	
1989	1989	60	
1990	1990	60	
1991	1991	60	
1992	1992	60	
1993	1993	60	
1994	1994	60	
1995	1995	60	
1996	1996	60	
1997	1997	60	
1998	1998	60	
1999	1999	60	
2000	2000	60	
2001	2001	60	
2002	2002	60	
2003	2003	60	
2004	2004	60	
2005	2005	60	
2006	2006	60	
2007	2007	60	
2008	2008	60	
2009	2009	60	
2010	2010	60	
2011	2011	60	
2012	2012	60	
2013	2013	60	
2014	2014	60	
2015	2015	60	
2016	2016	60	
2017	2017	60	
2018	2018	60	
2019	2019	60	
2020	2020	60	
2021	2021	60	
2022	2022	60	
2023	2023	60	
2024	2024	60	
2025	2025	60	
2026	2026	60	
2027	2027	60	
2028	2028	60	
2029	2029	60	
2030	2030	60	

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Year	Monthly Total Precipitation (inches)												Total Annual Precipitation (inches)	Average Annual Precipitation (inches)	Standard Deviation (inches)	Coefficient of Variation
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
1900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1901	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1902	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1903	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1904	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1905	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1906	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1907	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1908	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1909	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1910	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1911	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1912	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1913	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1914	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1915	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1916	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1917	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1918	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1919	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1920	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1921	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1922	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1923	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1924	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1925	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1926	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1927	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1928	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1929	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1930	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1931	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1932	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0
1933	1.0															