

Bear River Basin SWSI

Adequate Water Supply Greater than -3.9 SWSI or 280 KAF

Station ID	Station Name	Period	Data Type	Years	# of Years
10046500	Bear River at Stewart Dam	Apr-Sep	strm	1991-2021	31 Units KAF
10055500	Bear Lake	31-Mar	resv	1991-2021	31 Units KAF

ENSO Classification

SE Strong El Nino - EN Mild El Nino - N Neutral - LN Mild La Nina - SL Strong La Nina

Rank	Year	Enso	Stream Flow Apr-Sep	Reservoir 31-Mar	Streamflow + Reservoir Sum	Non-Exceedance Probability	SWSI
1	1999	SL	396	976	1372	97%	3.9
2	1998	SE	403	960	1362	94%	3.6
3	1997	N	486	826	1313	91%	3.4
4	2017	LN	541	664	1205	88%	3.1
5	2011	SL	675	458	1133	84%	2.9
6	2018	LN	90	994	1085	81%	2.6
7	2012	LN	40	1031	1071	78%	2.3
8	2019	N	210	854	1064	75%	2.1
9	2000	N	55	992	1047	72%	1.8
10	2020	N	122	912	1034	69%	1.6
11	2021	LN	11	823	834	66%	1.3
12	1996	N	285	539	825	63%	1.0
13	2013	N	22	801	823	59%	0.8
14	2001	LN	18	792	810	56%	0.5
15	2014	N	120	592	712	53%	0.3
2022 10% Chance Exceedance Forecast		LN	110	582	692	52%	0.1
16	2016	SE	146	531	676	50%	0.0
17	2015	EN	89	584	673	47%	-0.3
2022 30% Chance Exceedance Forecast		LN	67	582	649	46%	-0.3
2022 50% Chance Exceedance Forecast		LN	44	582	626	46%	-0.4
2022 70% Chance Exceedance Forecast		LN	26	582	608	45%	-0.4
2022 90% Chance Exceedance Forecast		LN	8	582	590	44%	-0.5
18	2010	EN	122	449	571	44%	-0.5
19	2007	EN	39	490	530	41%	-0.8
20	2009	N	213	294	507	38%	-1.0
21	1995	SE	238	266	504	34%	-1.3
22	2002	N	10	486	496	31%	-1.6
23	2006	N	160	325	486	28%	-1.8
24	1991	N	81	399	481	25%	-2.1
25	1994	SE	25	447	472	22%	-2.3
26	1993	EN	276	153	429	19%	-2.6
27	2008	N	131	278	409	16%	-2.9
28	1992	EN	21	387	407	13%	-3.1
29	2005	EN	285	37	322	9%	-3.4
30	2003	EN	13	270	283	6%	-3.6
31	2004	N	22	62	83	3%	-3.9