

Big Lost River Basin SWSI

Adequate Water Supply Greater than 0.8 SWSI or 180 KAF

Station ID	Station Name	Period	Data Type	Years	# of Years
13127000	Big Lost R blw Mackay Reservoir	Apr-Sep	strm	1991-2021	31 Units KAF
13126000	Mackay Reservoir	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	2017	LN	310	21	330	97%	3.9
2	1995	SE	272	24	296	94%	3.6
3	1997	N	244	16	260	91%	3.4
4	2006	N	216	34	249	88%	3.1
5	2018	LN	204	38	242	84%	2.9
6	1998	SE	198	38	236	81%	2.6
7	1999	SL	196	30	226	78%	2.3
8	1996	N	171	37	208	75%	2.1
9	2019	N	170	33	204	72%	1.8
10	2011	SL	160	38	198	69%	1.6
11	1993	EN	169	27	196	66%	1.3
12	2009	N	166	29	195	63%	1.0
13	2010	EN	135	41	177	59%	0.8
14	2012	LN	134	42	176	56%	0.5
15	2005	EN	142	25	168	53%	0.3
16	2016	SE	119	34	154	50%	0.0
2022 10% Chance Exceedance Forecast		LN	125	24	149	48%	-0.1
17	2008	N	105	28	133	47%	-0.3
18	1991	N	106	26	132	44%	-0.5
19	2013	N	88	37	125	41%	-0.8
20	2000	N	89	35	124	38%	-1.0
2022 30% Chance Exceedance Forecast		LN	99	24	123	36%	-1.2
21	2015	EN	89	35	123	34%	-1.3
22	2020	N	79	41	120	31%	-1.6
23	2007	EN	83	36	118	28%	-1.8
24	2003	EN	87	21	108	25%	-2.1
2022 50% Chance Exceedance Forecast		LN	81	24	105	23%	-2.2
25	1994	SE	69	36	105	22%	-2.3
26	2014	N	67	32	99	19%	-2.6
27	2001	LN	68	27	96	16%	-2.9
28	2002	N	69	25	94	13%	-3.1
29	1992	EN	64	29	92	9%	-3.4
30	2004	N	66	24	90	6%	-3.6
2022 70% Chance Exceedance Forecast		LN	63	24	87	5%	-3.8
31	2021	LN	44	31	75	3%	-3.9
2022 90% Chance Exceedance Forecast		LN	37	24	61	2%	-4.0