

# Water Watch 2022-2023

Water Watch Report for the 2022-2023 Season – Great Salt Lake Drainage Area

NOTE: Water Year is October 1 through May 31

<b>Lake Level Data</b>		<b>Gain/Loss</b>
Lake Level September 30, 2022	4188.8' msl	
Lake Level January 1, 2023	4189.3' msl	+0.5'
Lake Level October 1, 2023	4192.2' msl	-3.4'
Highest Recorded Stable Lake Level for Water Year	4193.8' msl	+5.0
Lowest Recorded Stable Lake Level for Water Year	4188.7' msl	
Salinity South Half – Gilbert Bay	16%	

<b>Current Precipitation Statistics</b>	
Precip. % of Normal for September 2023	86%
Precipitation % of Normal for Water Year	117%
Precipitation % of Normal Since January 1 2018	113%
We received the equivalent moisture (water year to)	June 8

<b>Snowpack Statistics to April 1</b>	2022	2023
Snowpack % of Normal for Whole GSL Drainage Area	103%	164%
Snowpack % of Normal for Bear River Basin	81%	199%
Snowpack % of Normal for Weber/Ogden	102%	207%
Snowpack % of Normal for Provo/Jordan	90%	180%

<b>Precipitation Summary</b>	<b>Calendar Year</b>	<b>Water Year</b>
Normal Annual Precipitation	16.5"	13.02"

How Much Did We Receive	12.99'''	13.98''
Percentage Received Towards Our Goal	79%	107%
How Short Did We End Up	3.51'''	-.96''

Monthly Precp/Wind Summary	Normal Precip.	Precip for Month	% of Normal	Highest Gust	Note
October	1.57''	0.79''	50%	77mph	Below Average
November	1.4''	1.76''	126%	74mph Nov. 9	Good month
December	1.23''	2.39''	194%	57mph Dec 1	Incredible Month!!
January	1.37''	2.65''	193%	23mph Jan. 1	Incredible Month!
February	1.25''	0.84''	67%	65mph Feb. 27	Late Rebound
March	1.91''	2.39''	125%	75mph March 10	Great Month
April	2.02''	1.69''	84%	38mph April 1	Fell short
May	2.09''	0.52''	25%	51mph May 8	VERY DRY
June	0.77''	0.39''	51%	54mph June 6	Dry
July	0.72''	0.6''	8%	75mph July 19	VERY DRY
August	0.76''	2.75'''	362%	75mph Aug 2	VERY WET!!
September	1.33''	0.91''	68%	54mph Sept. 1	Wet start/Dry late

<b>Strongest Gust Ever Recorded at GSL Marina</b>	<b>214mph on January 2005</b>
Strongest Gust for 2022/2023 Water Year	77mph October
Strongest Gust for 2021/2022 Water Year	77mph Sept. 28
Strongest Gust for 2020/2021 Water Year	70pmh Nov. 18
Strongest Gust for 2019/2020 Water Year	83mph January 17
Strongest Gust for 2018/19 Water Year	72mph February 4
Strongest Gust for 2017/18 Water Year	80mph April 16
Strongest Gust for 2017	90mph June 12 2017
Strongest Gust for 2016	81mph Feb. 18
Strongest Gust for 2015	81mph April 14

Strongest Gust for 2014	79mph Nov. 1
Strongest Gust for 2013	78mph April 2
Strongest Gust for 2012	65mph Jan. 10
Strongest Gust for 2011	88mph March 26
Strongest Gust for 2010	90mph April 28
Strongest Gust for 2009	89mph August 6
Strongest Gust for 2008	78mph April 2
Strongest Gust for 2007	104mph