

## Status of Key Lake Level Data as of March 22, 2021

WSSA - Lake Sammamish Water Level Monitoring Data									Status as of 3/22/2021				
Forecast days over 27ft. based on historic rainfall patterns													
116									11				
Forecast Days 1+ inches													
Comparison Factors									(Intensity)	(Duration)	(Accum.)	70%	Percent Rainfall Typical WYTD
Period	No. Days	0.6 inch+	Days Over	DaysOvr 27	Days Over	1 Inch+	3 Day Runs	WYTD*	59	Forecast annual rainfall			
Water Yr	in Period	Days	27 Ft.	per .6 days	28 Ft.	Days	> 2" Total	Rainfall					
<b>2021 YTD</b>	172	17	81	5	20	8	0	41	<<< Routine Maintenance				
2020	366	23	78	3	35	6	3	53	<<< Routine Maintenance				
2019	365	20	58	3	0	2	0	43	<<< Routine Maintenance				
2018	365	24	122	5	18	11	0	52	<<< Routine Maintenance				
2017	365	29	163	6	18	12	1	61	<<< Routine Maintenance				
2016	366	26	131	5	27	13	4	58	<<< Routine Maintenance				
2015	365	25	103	4	0	9	1	48	<<< Routine Maintenance				
2014	365	29	86	3	14	9	4	51	<<< 50% of sediment removed + Maint.				
2013	365	28	143	5	2**	13	3	62	<<< Rock weir removed + Maintenance				
2012	366	25	130	5	13	10	0	51	<<< Return to Annual Maintenance				
2011	365	26	226	9	69	13	0	59					

\*\* - I checked a 2nd source and confirmed this low number

**OBSERVATIONS** as of **3/22/2021**

**RAINFALL**

- HAS BEEN AVERAGE

- At about **70%** through typical rainfall amounts, the estimated total annual rainfall is - **59** inches. Historic average = 56"

**RAIN INTENSITY & DURATION**

- There have been **8** days of over an inch of rain. This projects to an estimate of **11** days for the year.

- AND there have been **0** day(s) of 0.6 inches or more over 3 consecutive days span.

**PERSISTENCE OF HIGH LAKE LEVELS**

- Of a total **172** days since October 1st, **81** have witnessed lake levels over 27 ft.; which is **47%** of the time.

- This converts to an **expected annual days over 27 ft. of 116** days for the year. **The County goal is 94 days per year.**

- There have been **20** days with lake levels exceeding **28 ft.**

