

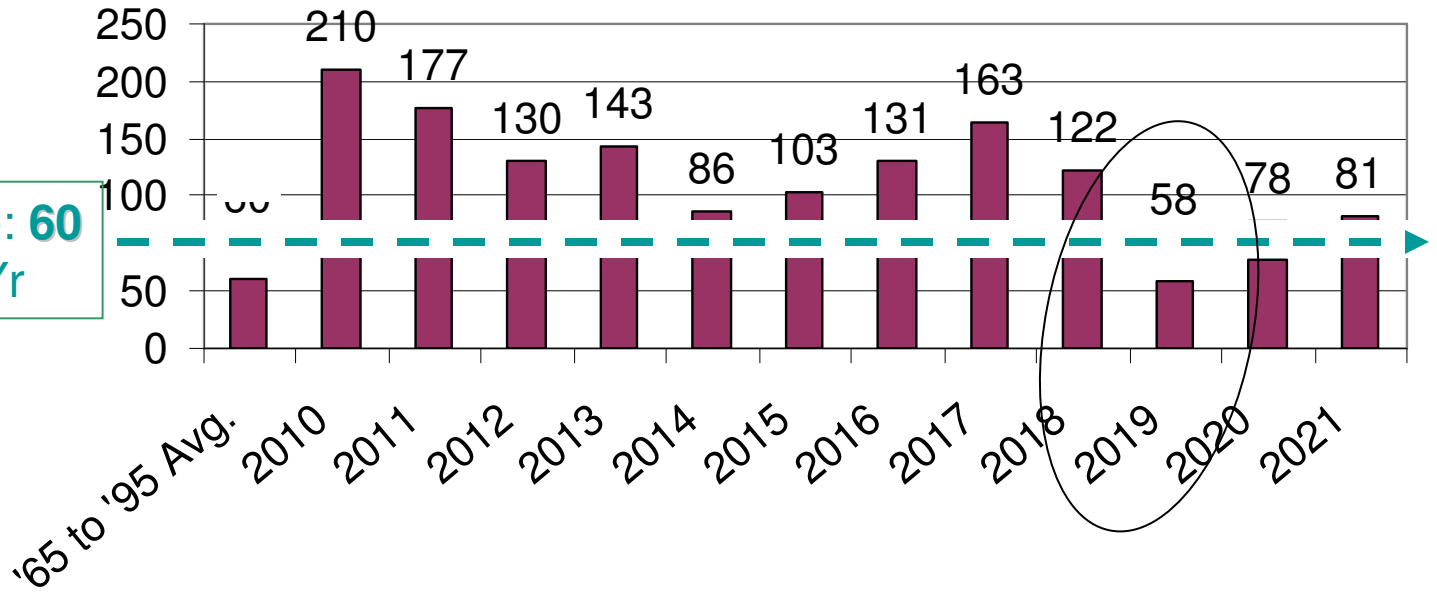
# Lake Level and Rainfall Patterns

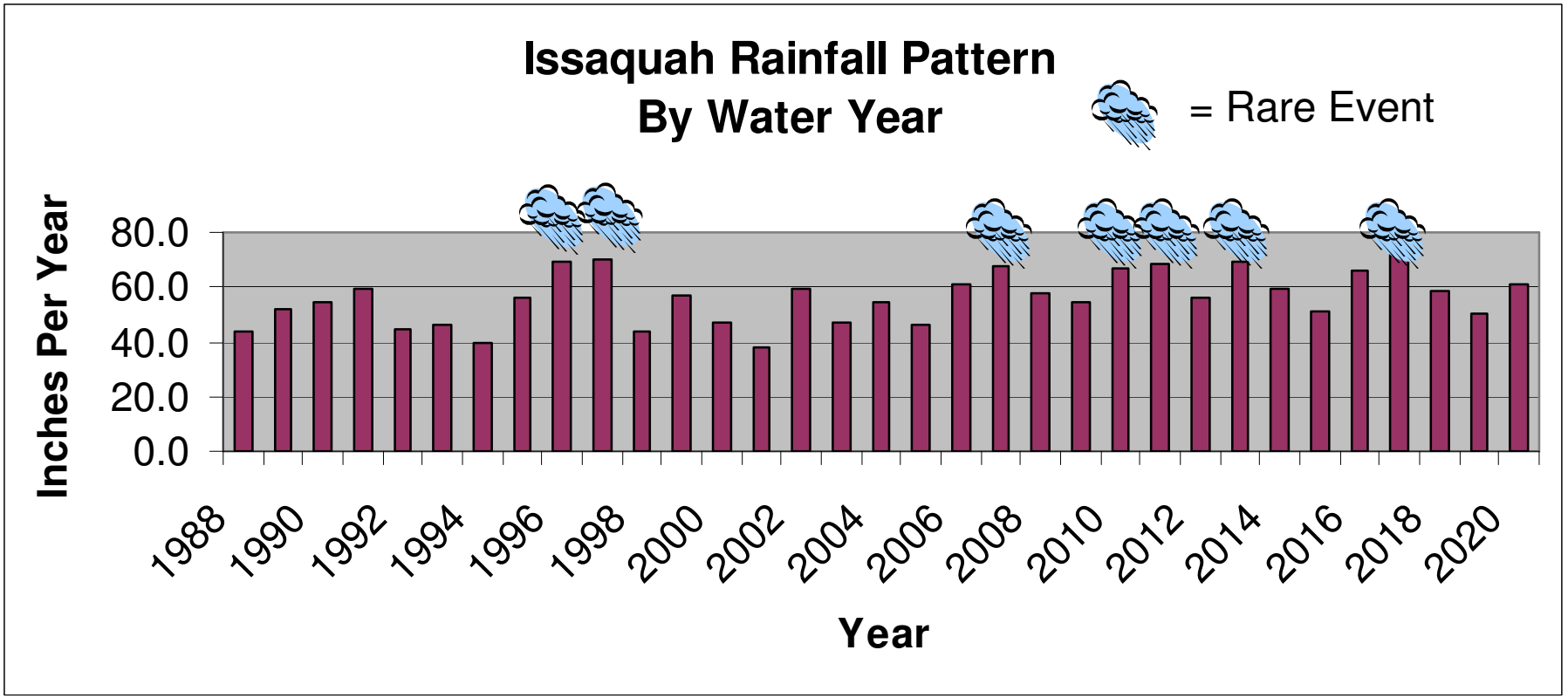
How have these changed?

2020 Vs 1980s Lake Rise Pattern Analysis

### No. Days Lake Over 27 ft. per year

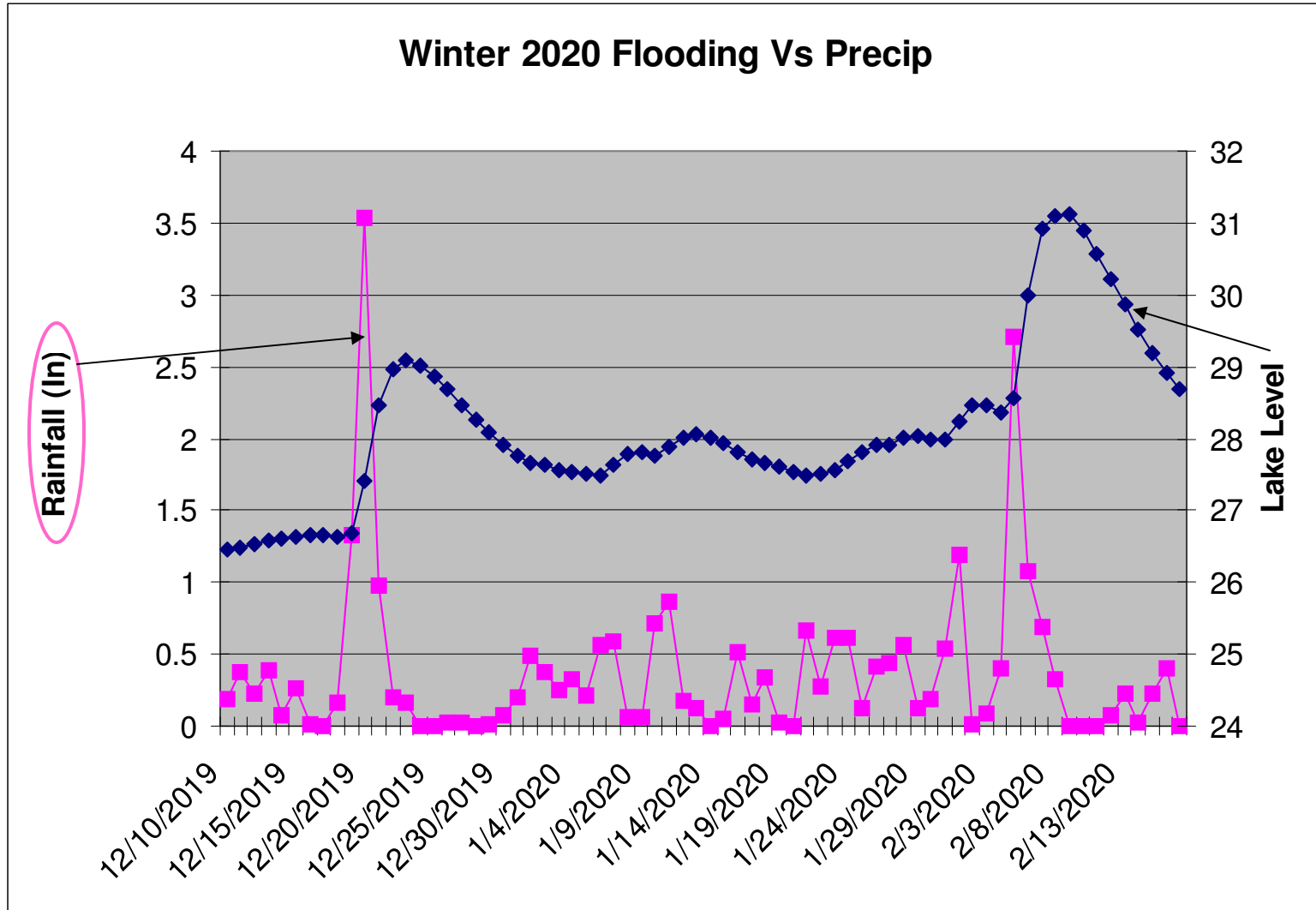
Goal Line: 60 Days/Yr

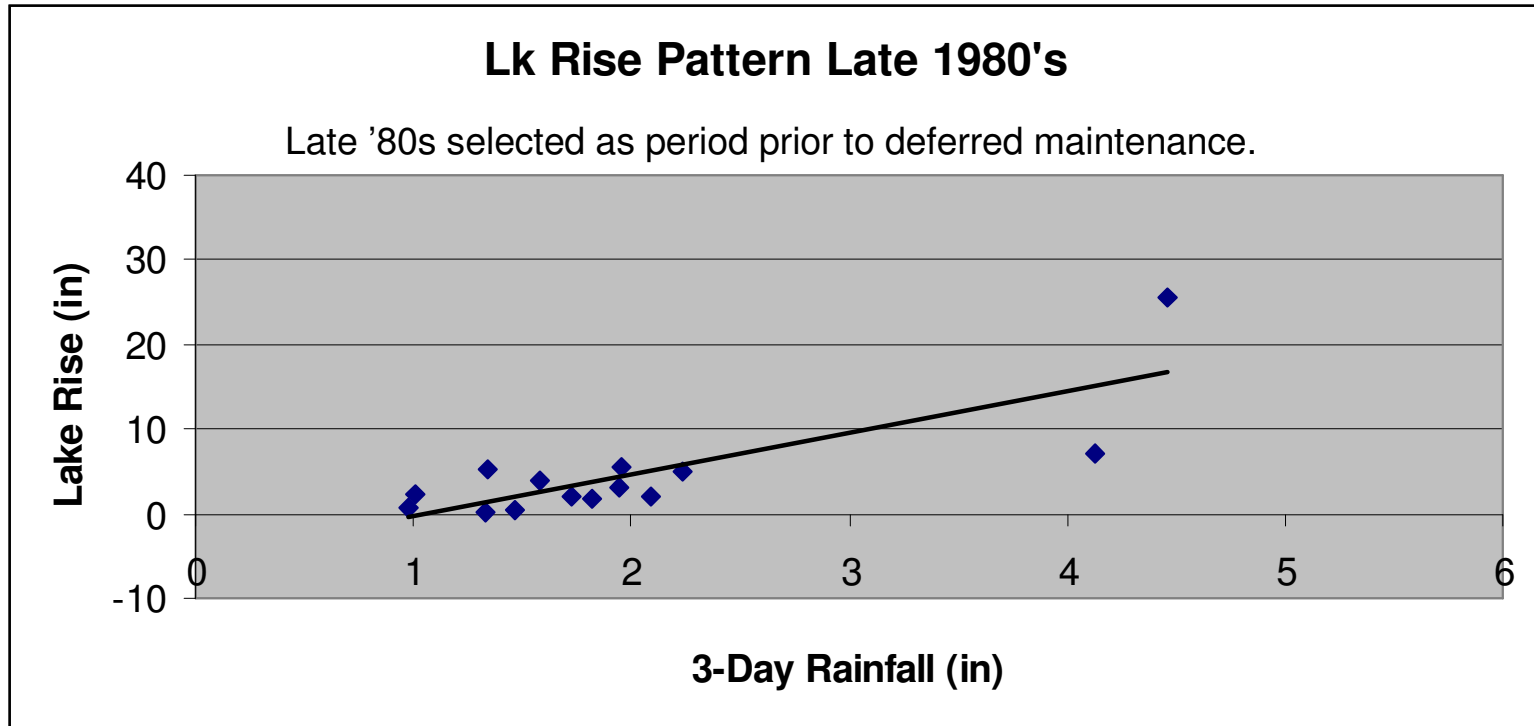




Average Annual Rainfall  
 1988 thru 2009 = **54** inches  
 2010 thru 2020 = **62** inches

What does it take to drive lake levels over 28 ft. NGVD?  
(Using winter 2019-2020 as an example)

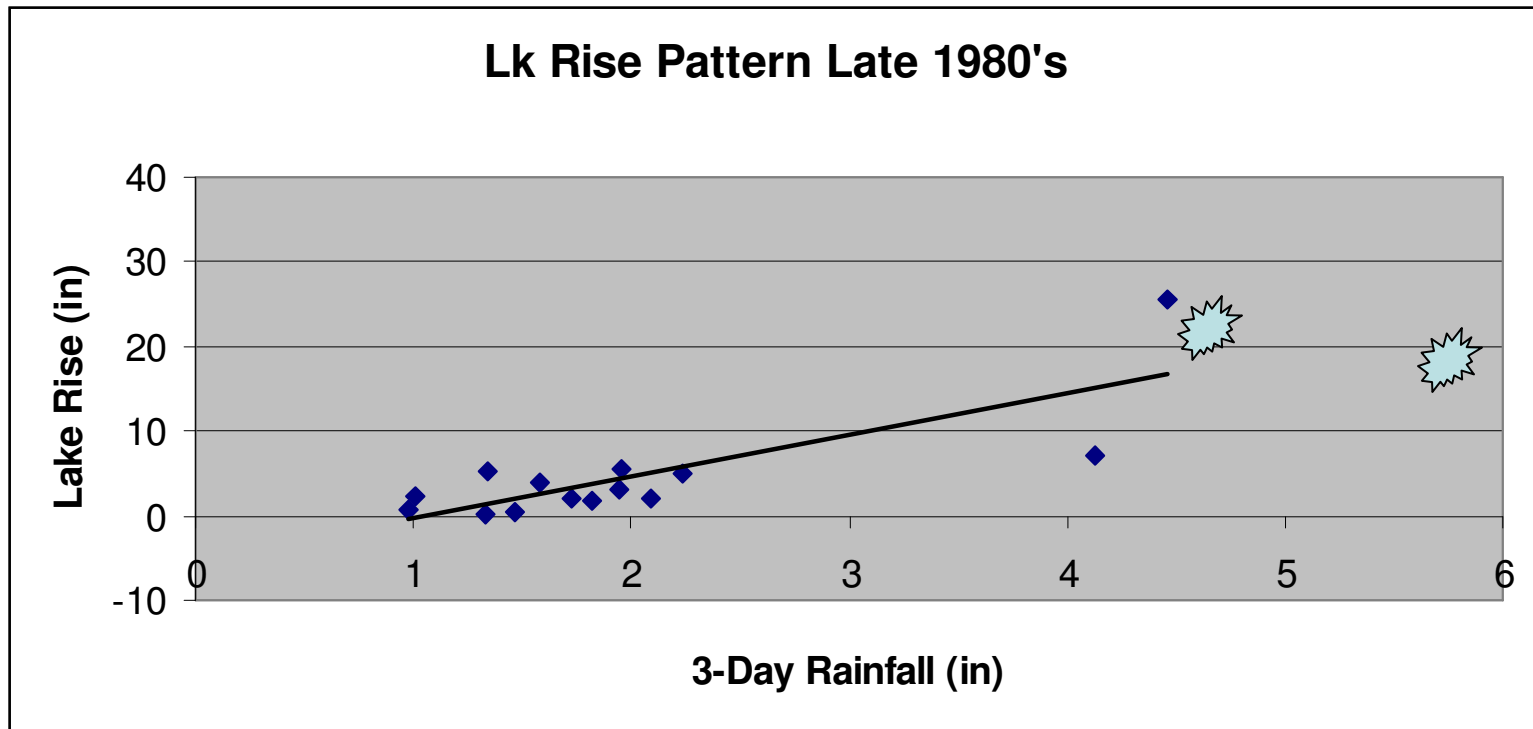




**Data Selection Criteria –**

- (a) Lake above weir table at 27 ft. or higher
- (b) 3-Day run of rainfall, at least one day of 0.6 inches or more

# Lake Rise Pattern Late 1980s Compared to 2020 Flood Period



- ◆ Indicates experience in late 1980s
- ★ Indicates 2020 Flood period experience

**Conclusion** – While 2020 had higher rainfall patterns, they follow the pattern of lake rise established in 1980s. Thus, you cannot conclude current outflow is more restricted than in the past.