

Yahara Lakes Water Level Management Update

November 20, 2024

Current Water Levels

Lake	Date	Lake Level	Summer Min	Winter Min
Mendota	11/20/2024	850.48	849.60	848.20
Monona	11/20/2024	844.96	844.70	842.20
Waubesa	11/20/2024	844.44	844.50	842.00
Kegonsa	11/20/2024	843.17	843.00	841.85

<https://lwr.d.countyofdane.com/Lake-Levels>



Slow No Wake Status



Slow-no-wake Restriction Map

Green Lake = Normal Slow-no-wake Restrictions

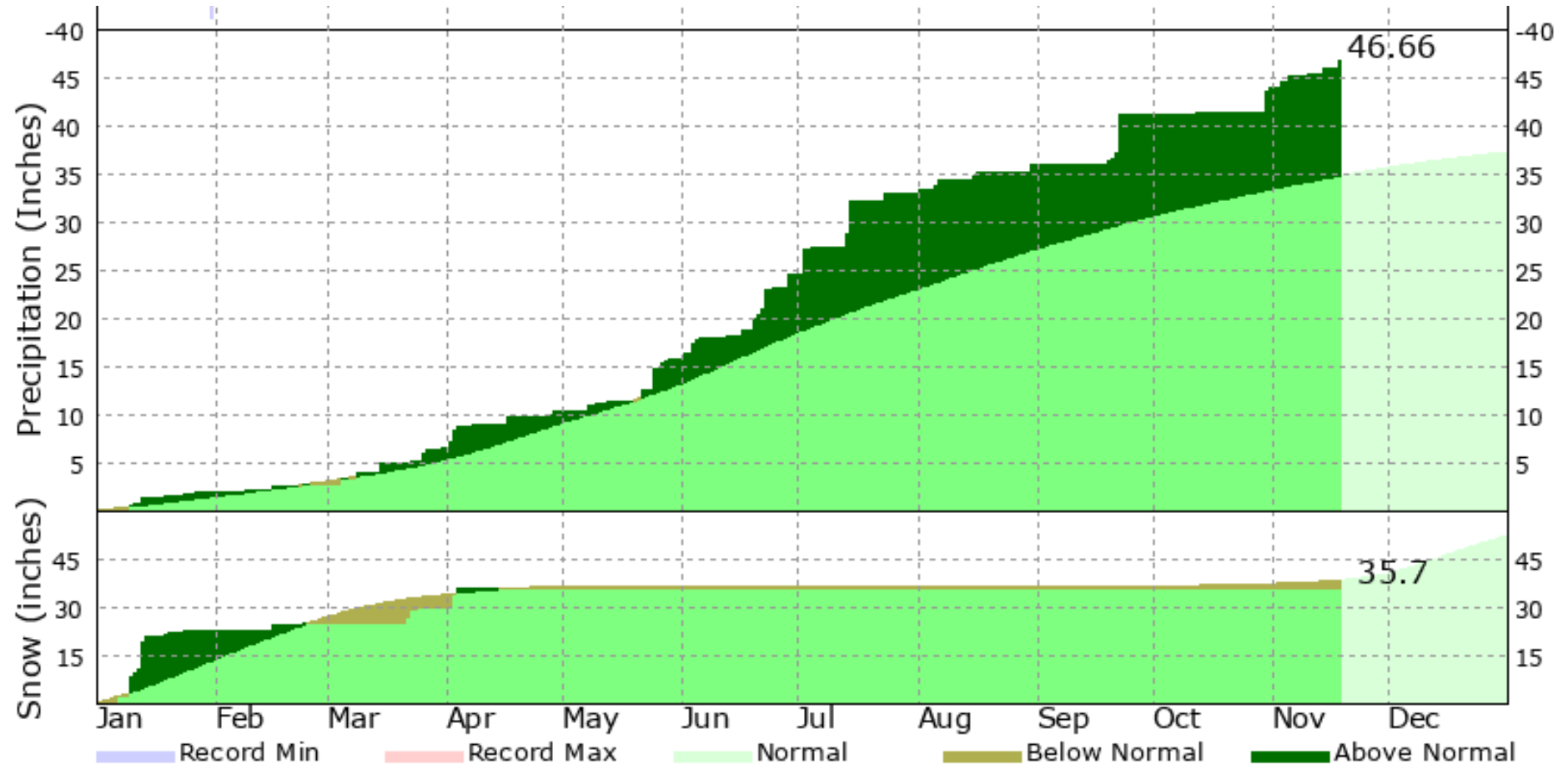
Yellow Lake = Emergency Order: slow-no-wake within 500 feet of shore

Red Lake = Emergency Order: slow-no-wake entire surface area

<https://lwr.d.countyofdane.com/slownowake#>

Annual Precipitation

2024

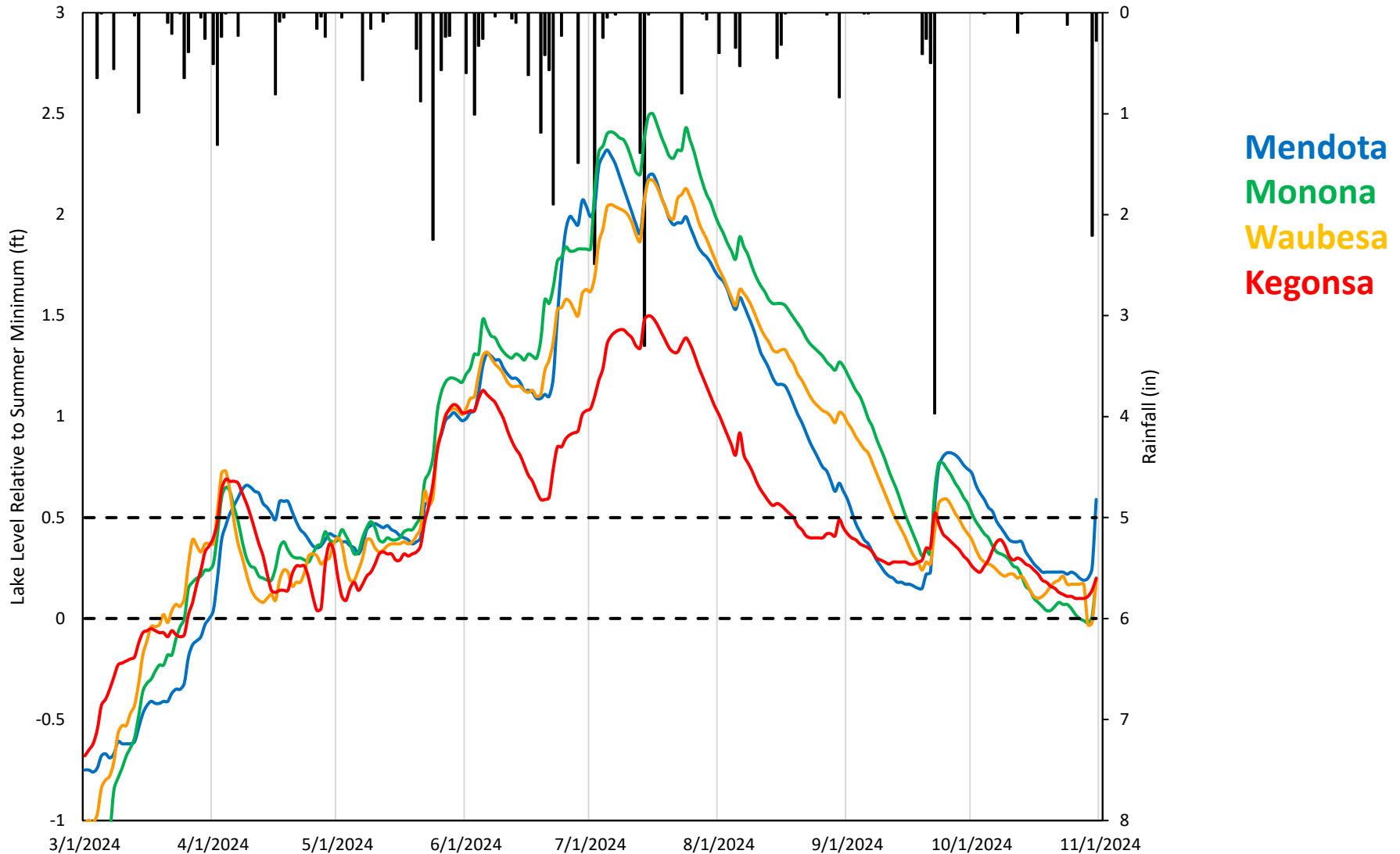


Number of Days within Summer Minimum and Maximum Levels Year to Date 2024

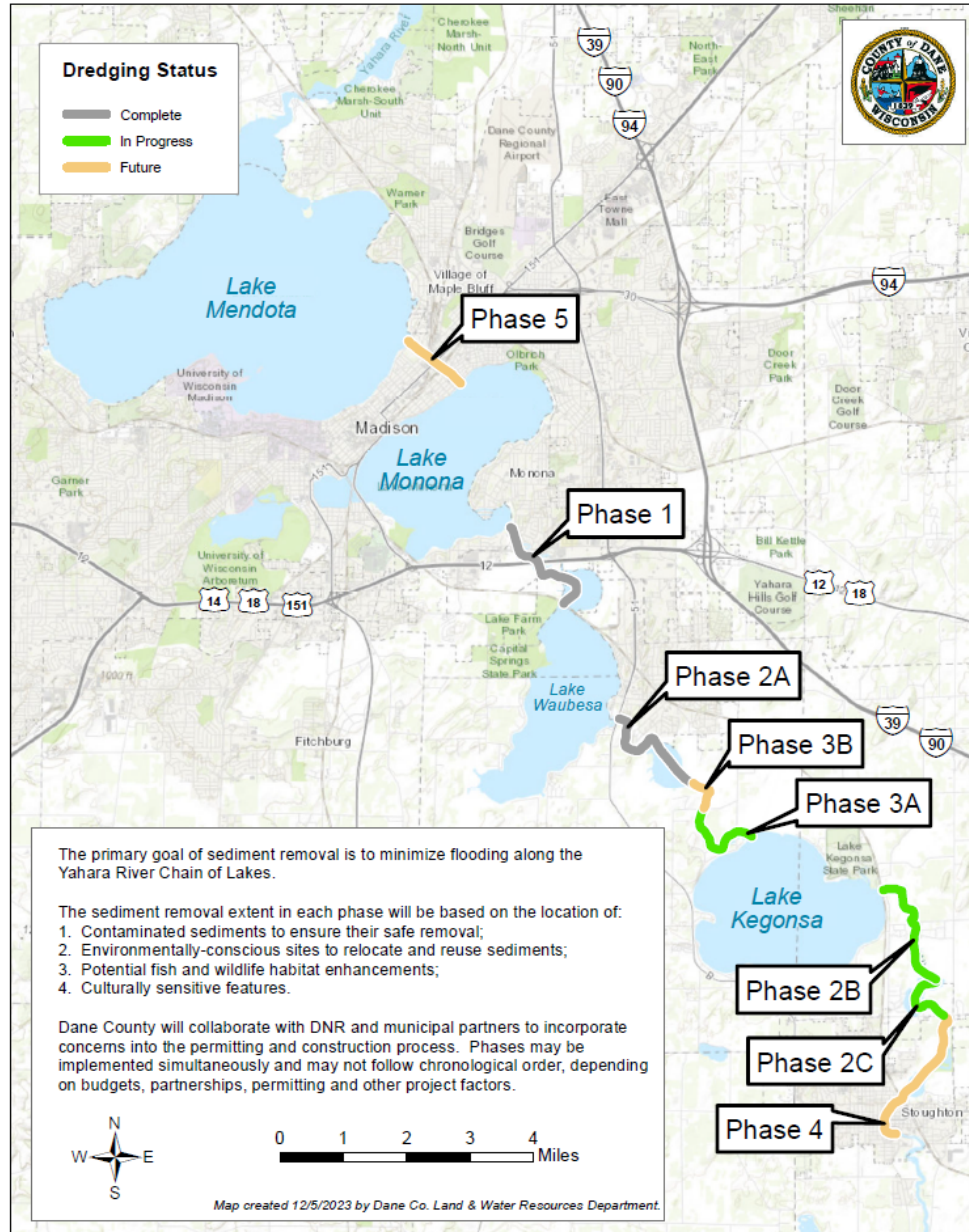
March 1 – June 27 (245 days)

Lake	Average Past 10 Years (2014-2023)	2024
Mendota	114	79
Monona	92	87
Waubesa	99	100
Kegonsa	126	123
Stoughton Dam	-	237

Plot of Lake Levels Compared to Summer Minimum

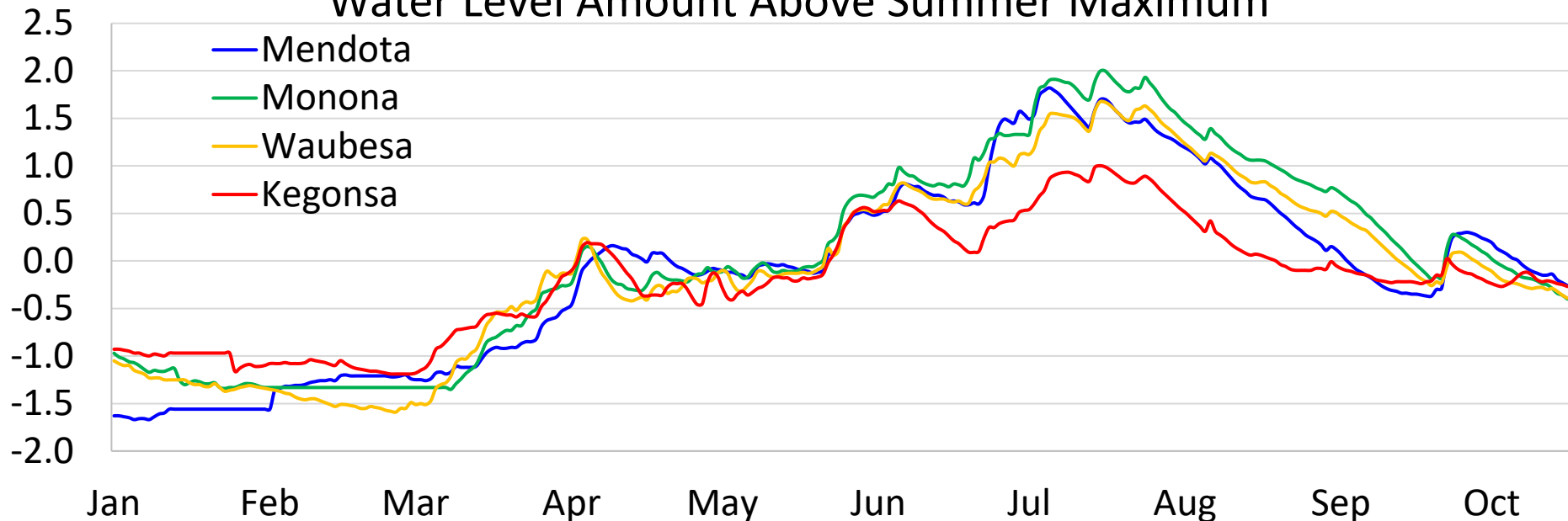


Sediment Removal Update

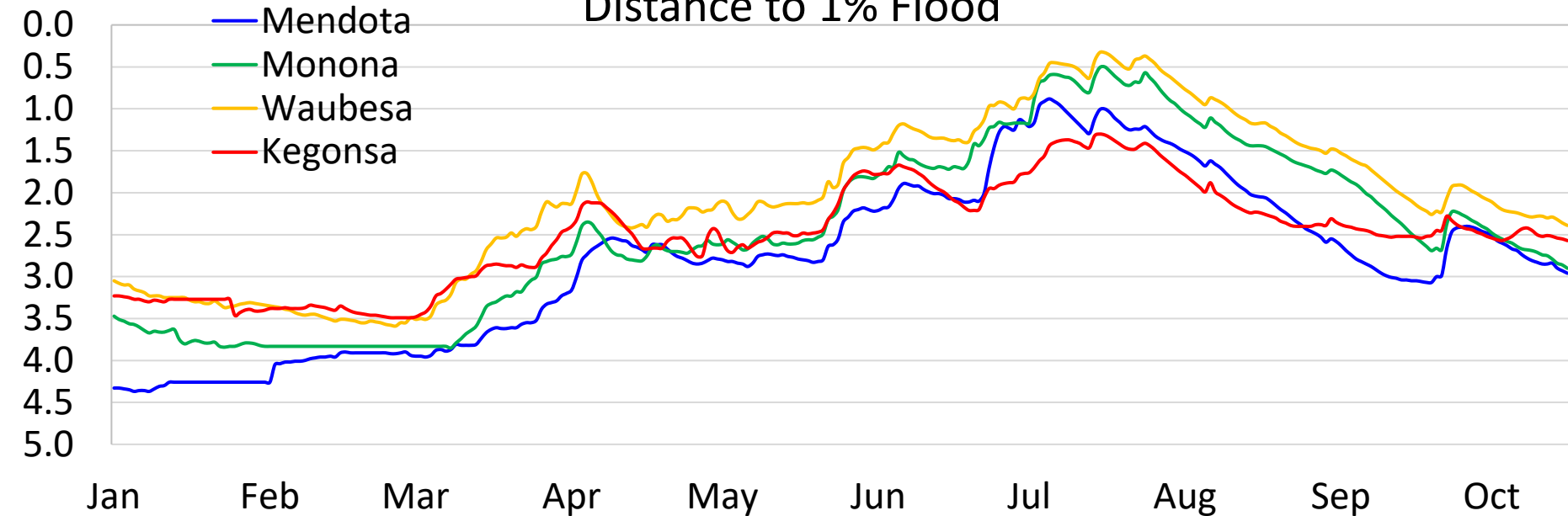


What are the improvements to flow since dredging started?

Water Level Amount Above Summer Maximum



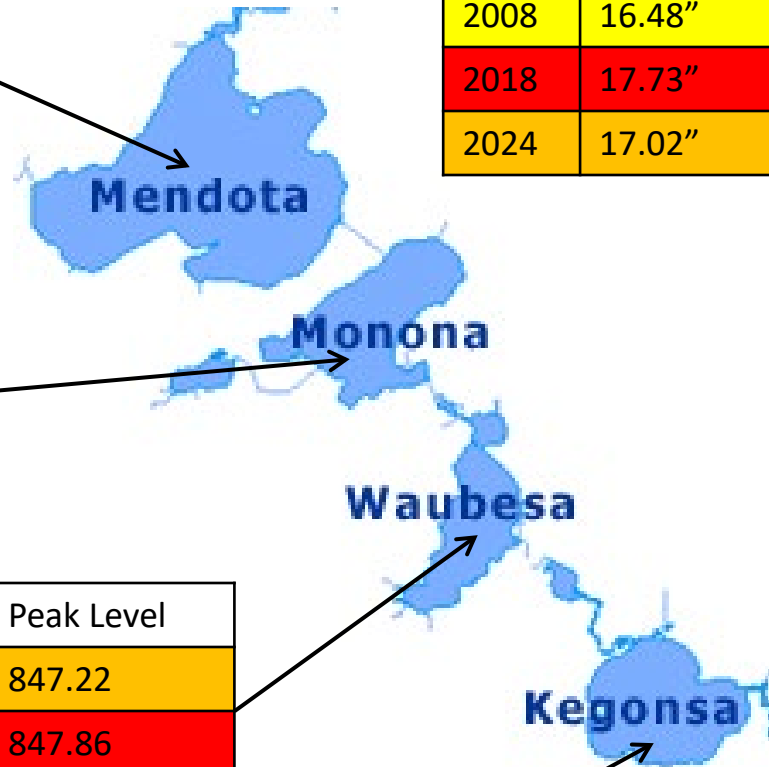
Distance to 1% Flood



High Rainfall/Water Level Years

Year	Peak Level
2008	852.38
2018	852.29
2024	851.92

Year	Rainfall amount (in)	Rainfall Months
2008	16.48"	July & July
2018	17.73"	August & October
2024	17.02"	June & July



Year	Peak Level
2008	847.86
2018	848.52
2024	847.2

Year	Peak Level
2008	847.22
2018	847.86
2024	846.67

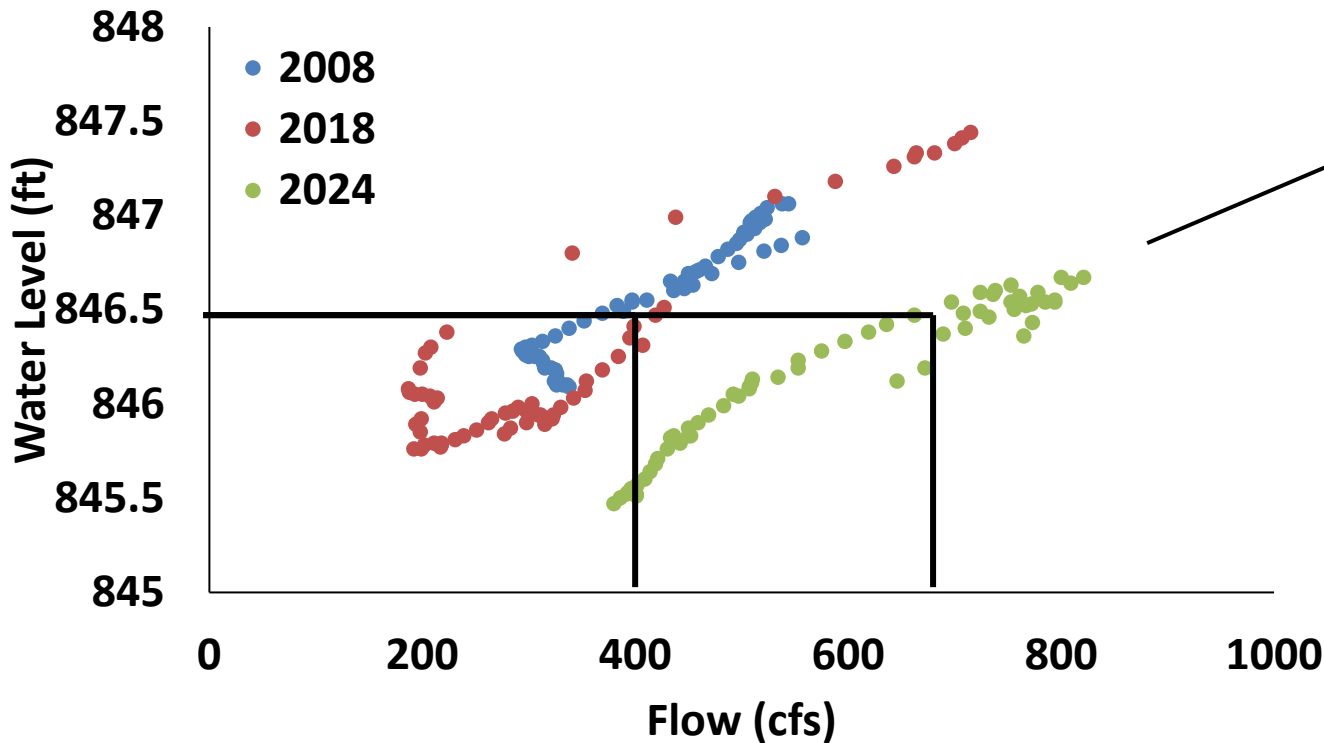
Year	Peak Level
2008	845.72
2018	845.74
2024	844.5

Water Level and Flow

Sediment Removal?

Aquatic Plants?

Lake Waubesa Rating Curves



Questions?