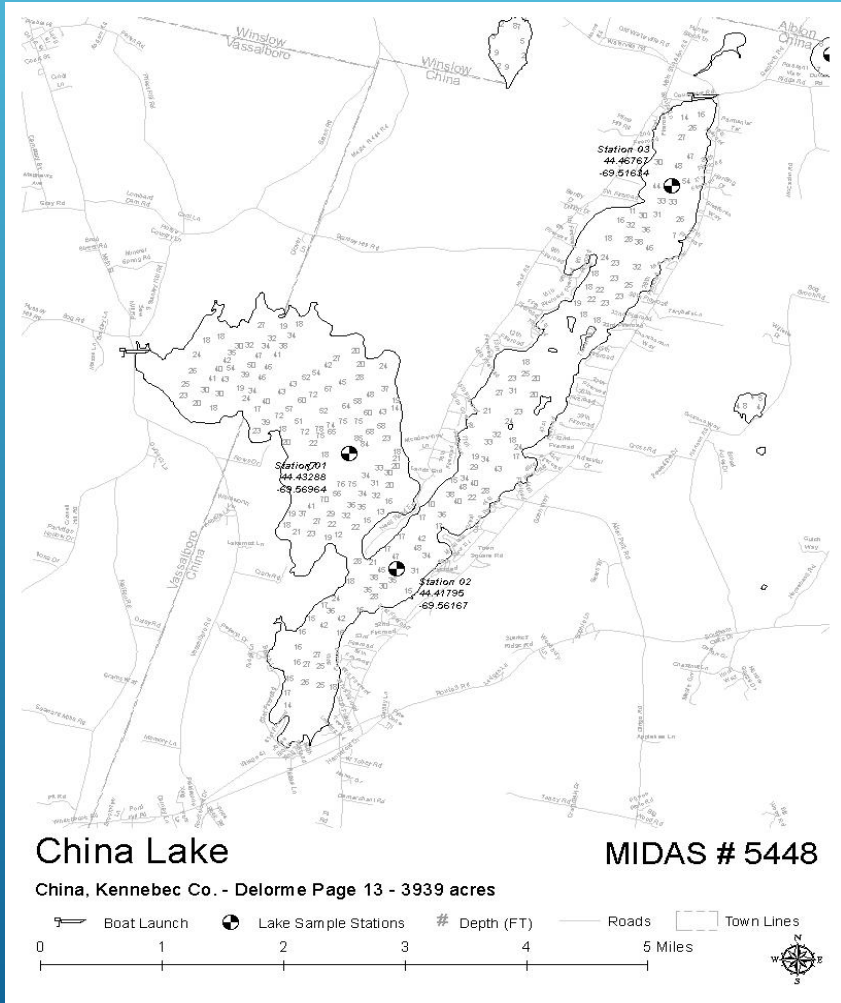




WATER QUALITY IN CHINA LAKE

Presented by:
Robbie Bickford

ROUTINE WATER QUALITY MONITORING



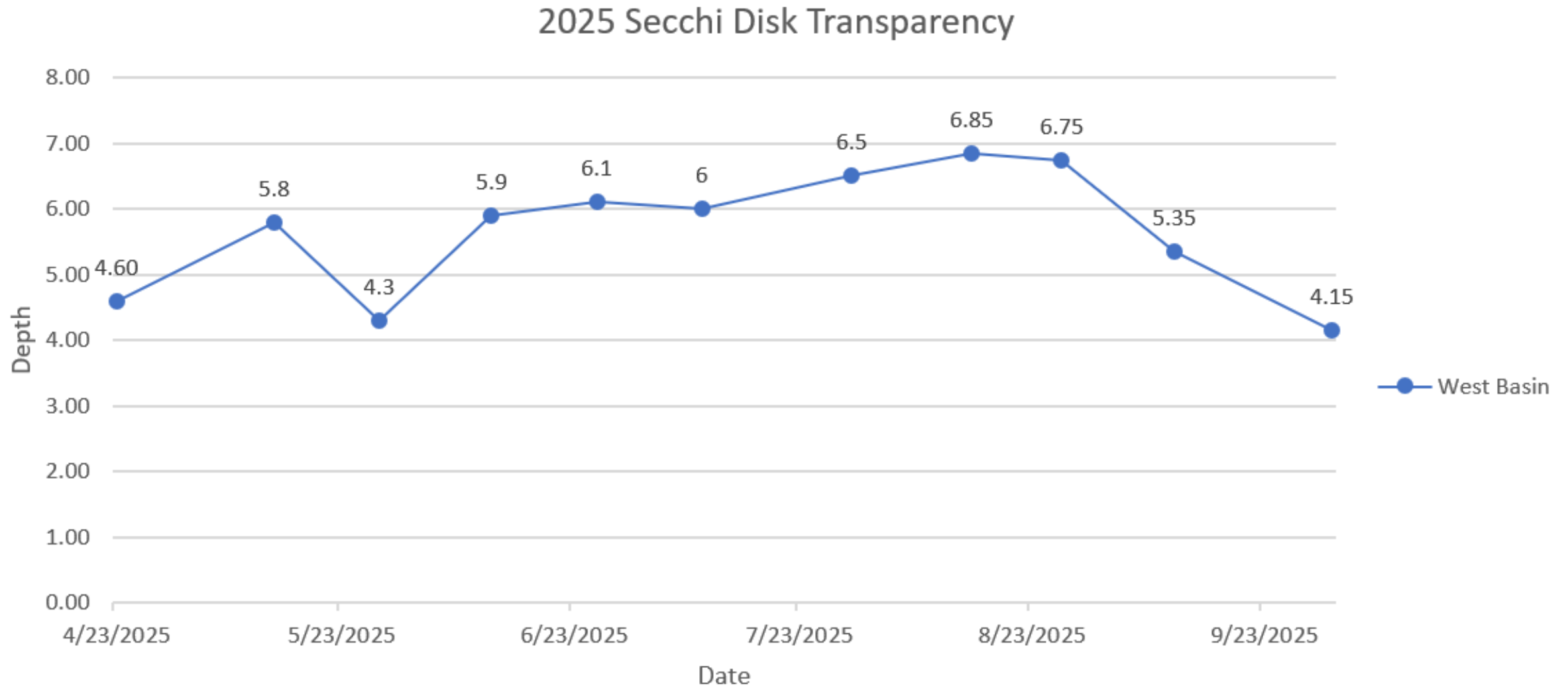
- ▶ 3 Locations sampled – Orange buoys marked with “KWD”
- ▶ Completed 17 (4 more than 2024) sampling events (every 2 weeks) from April – November

CHINA LAKE SAMPLING

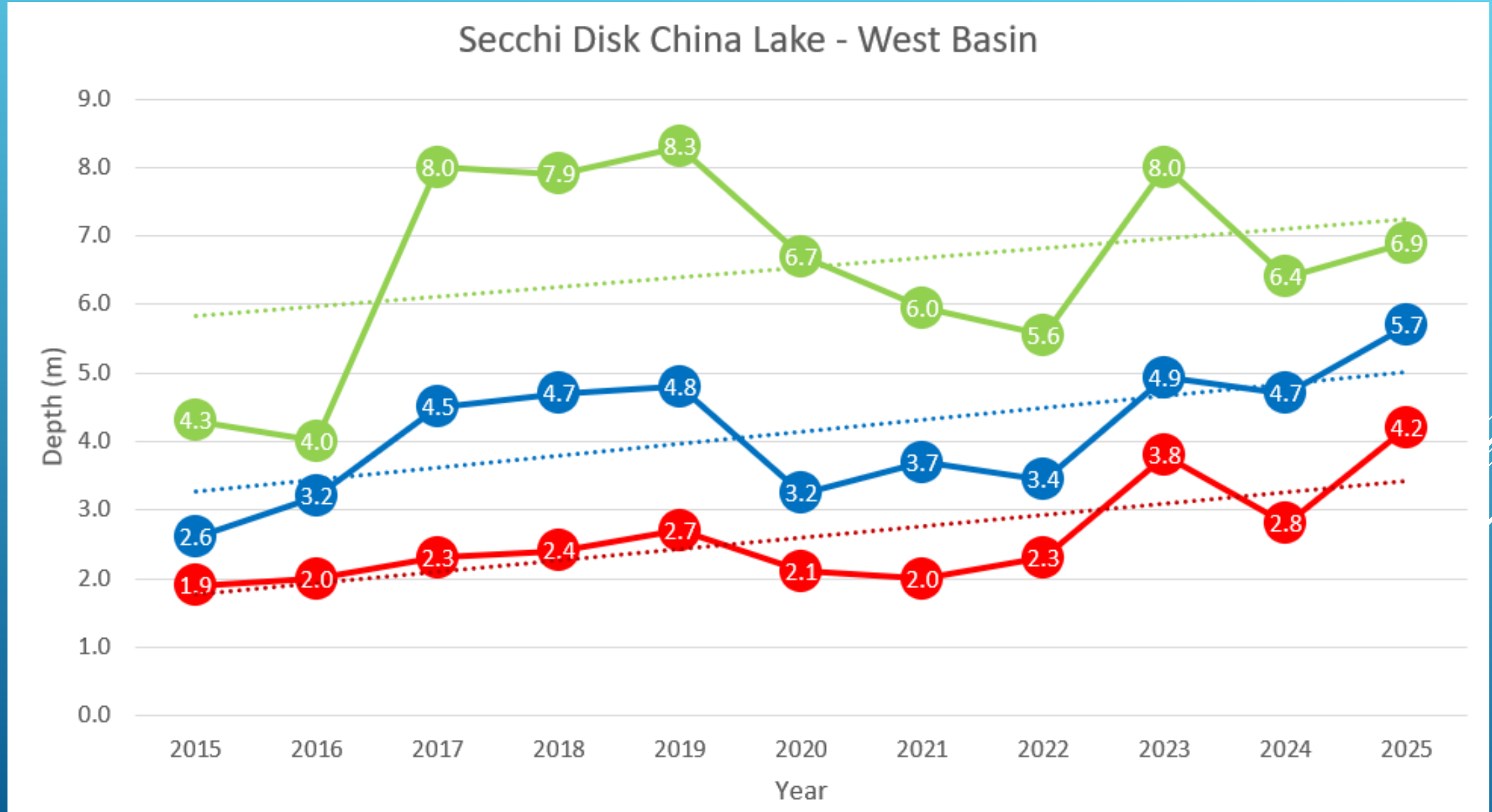
- ▶ Partner with Lake Stewards of Maine, Maine Lakes, and DEP
- ▶ 6 parameters monitored
 - ▶ Dissolved Oxygen
 - ▶ Temperature
 - ▶ Phosphorus
 - ▶ Chlorophyll-a
 - ▶ Zooplankton
 - ▶ Transparency
- ▶ Over 2500 data points were collected



2025 WATER CLARITY



HISTORICAL WATER CLARITY

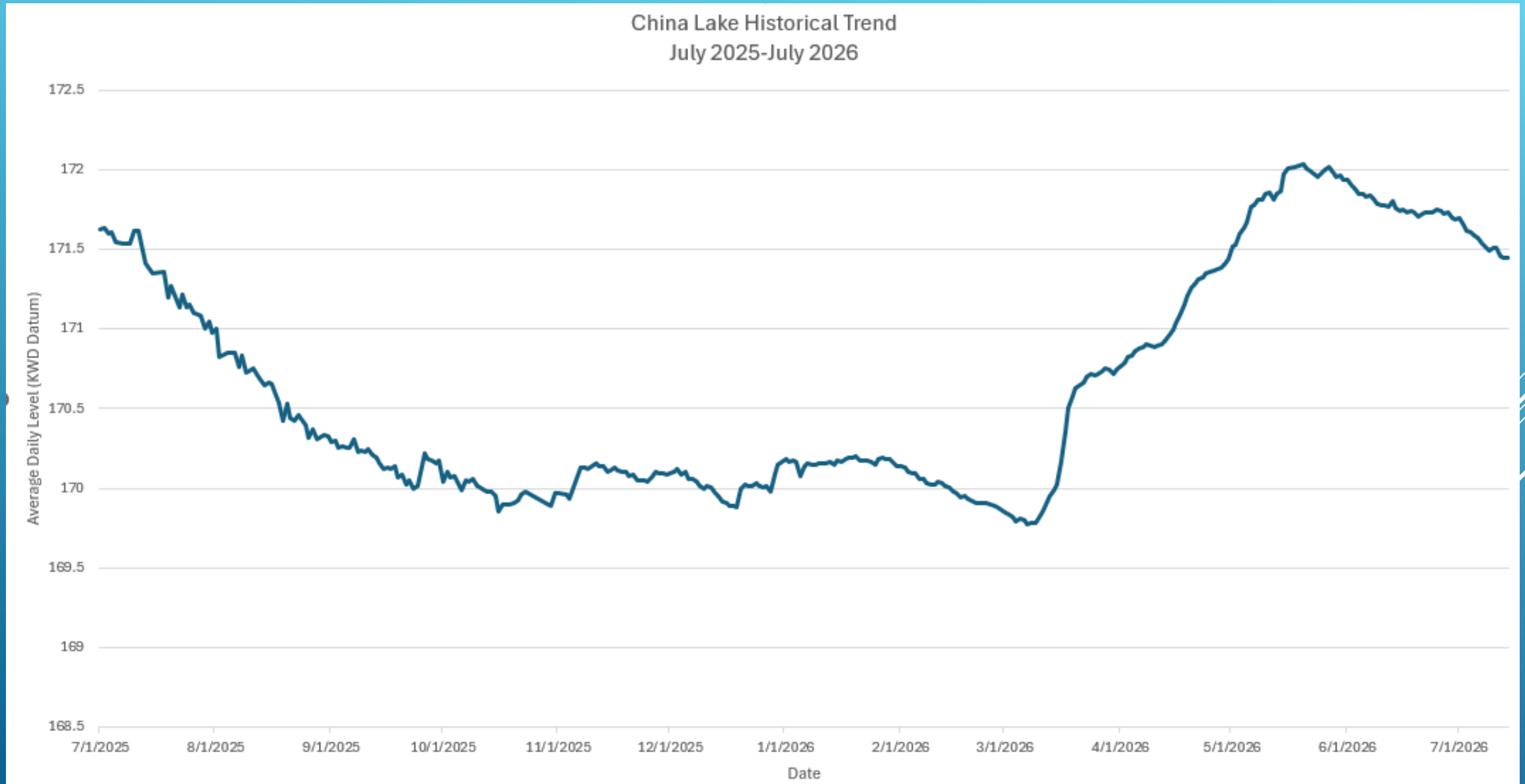


WATER LEVEL

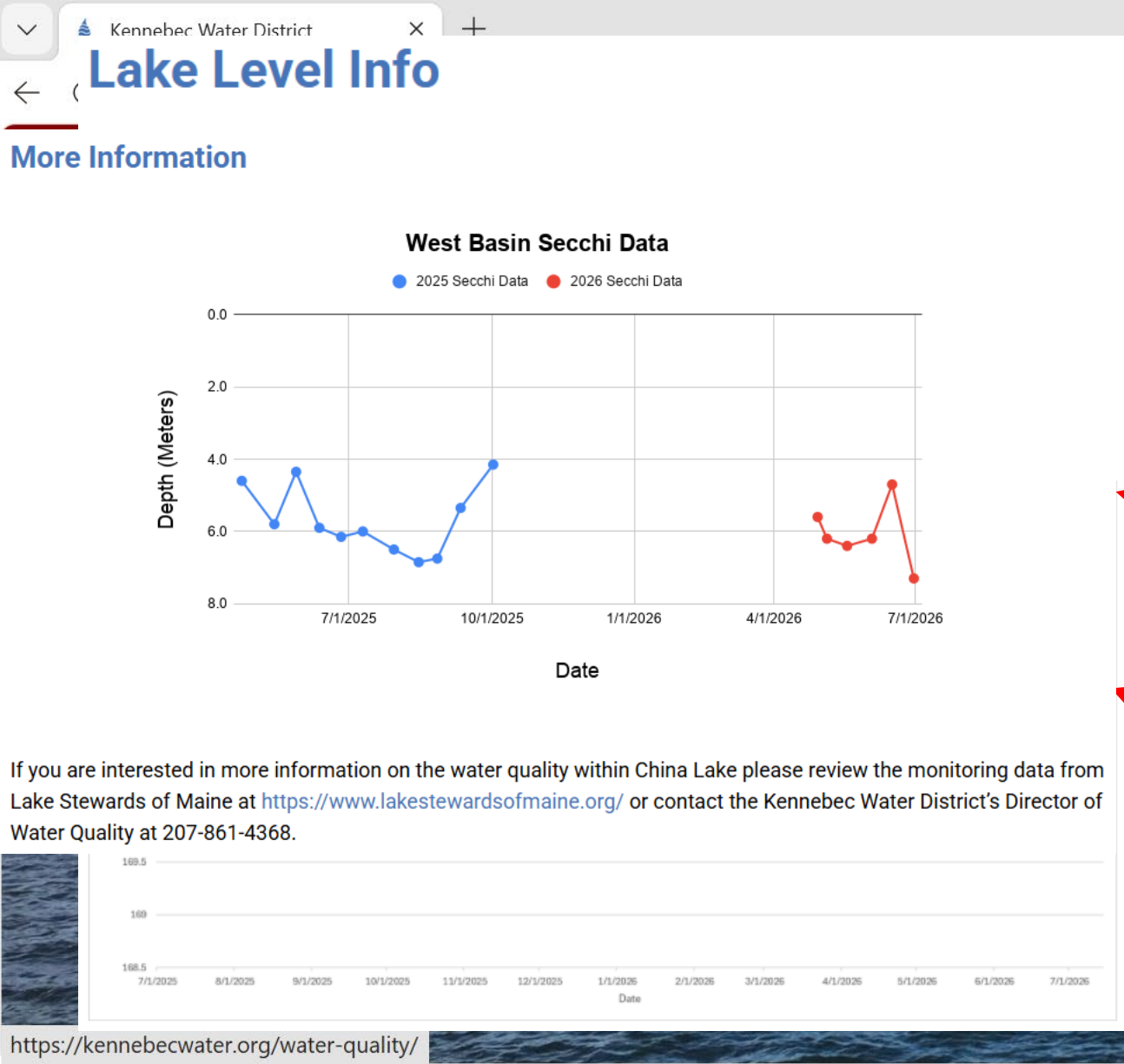
- ▶ Water level is controlled by the Outlet Steam Dam
 - ▶ Owned and operated by the Town of Vassalboro
 - ▶ Management of Lake Level is dictated by BEP Order
 - ▶ Initiated in 1987 and revised multiple times
 - ▶ Most recently updated in 2014

Versus Spillway, inches	China Lake Elevation Level, ft	Description	Period
		<i>Ice out – de-stratification</i>	<i>April 1st – April 20th</i>
+ 6	170.0 → 172.0	Spring Refill Period	April 1st- May 25th
+ 6	172.0	Maximum Summer Level	May 25th – October 1st
0	171.5	Minimum Summer Level	May 25th – October 1st
0	171.5	Early Fall Level Target	September 3rd – October 1st
		<i>De-stratification</i>	<i>October 1st – October 20th</i>
-30	171.5 → 169.0	Fall Flush Target	October 1st – reaching of fall target
-12	170.5	Maximum Winter Level	Reaching of fall target – April 1st
-18	170.0	Winter Target	Reaching of fall target – April 1st
-24	169.5	Minimum Winter Level	Reaching of fall target – April 1st

WATER LEVEL GRAPH



KWD WEBSITE UPDATES



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- Overview
- PFAS
- Source Water
- Treatment Process
- Water Quality Reports
- Lake Level Info
- Water Pipe Database

SOUTH NARROWS HARVEST UPDATE



The background features a serene landscape of a lake with reeds in the foreground and a distant shoreline under a cloudy sky. A large, semi-transparent blue triangle covers the upper-left and central portions of the image. On the right side, several thin, white diagonal lines cross the blue area. The word "QUESTIONS?" is written in white, sans-serif capital letters on the left side of the blue triangle.

QUESTIONS?