

Lake Altoona Bathymetric Survey Data

ROD Z., JOE K., & JOE V.

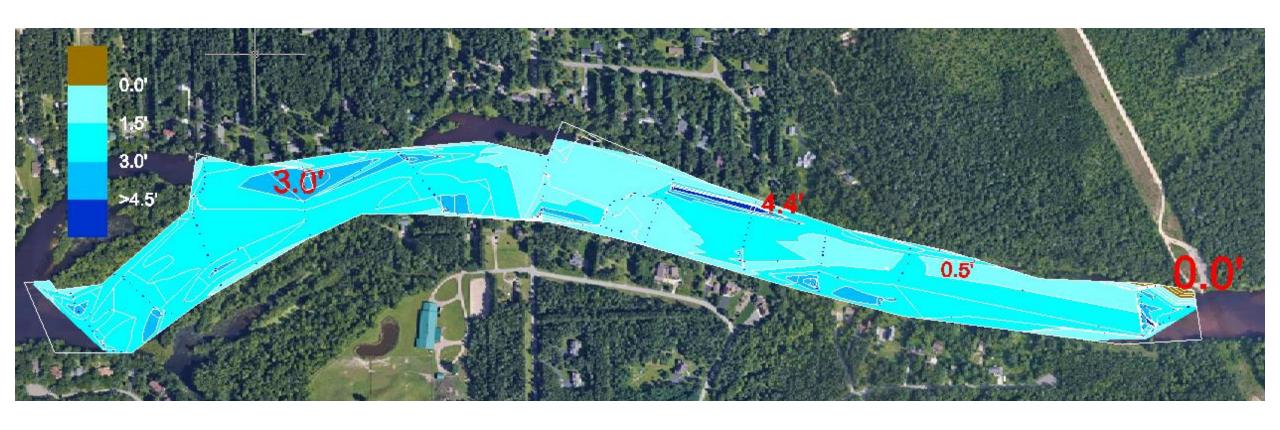
October 2021

PROJECT INFO: HORIZONTAL DATUM: VERTICAL DATUM: EAU CLAIRE COUNTY COORDINATES 00 834.464 3. LOCATION: EAU CLAIRE RIVER NEAR UPSTREAM END OF LAKE ALTOONA 1. THE FIELD SURVEY WAS COMPLETED ON OCTOBER 7, 2021 BY AYRES ASSOCIATES. 2. OVERHEAD POWERLINE ELEVATION APPROX. 845'. CONTRACTOR TO VERIFY. BM 101 - N 278613.6060', E 371651.7930'. EL. 816.058' BOAT LAUNCH -803 816.058 201 801 802 SEDIMENT TRAP LOCATION EXISTING SURFACE LAKE ALTOONA SEDIMENT TRAP DREDGING 2023 LAKE ALTOONA REHAB. & PROTECTION DISTRICT EAU CLAIRE COUNTY, WI 5 SEDIMENT TRAP EXISTING CONDITIONS

Ayres Survey of Lake Altoona Sediment Trap

2022 ECRWA Survey

- Data collected on July 26, 2022
- 53.6 acers of the Eau Claire river was surveyed up stream of Lake Altoona
- Max depth of 4.4'
- Total calculated fill volume of 11,210.36 C.Y.
 - This is water volume



2023 ECRWA Survey

- Data collected on June 21, 2023
- 53.6 acers of the Eau Claire river was surveyed up stream of Lake Altoona
 - Same area as 2022
- Max depth of 11.4'
- Total calculated fill volume of 21,149.13 C.Y.
 - This is water volume



Conclusion

- In 2022 there was a water volume of 11,210.36 C.Y.
- In 2023 the water volume was in creased to 21,149.13 C.Y.
- The river gained 9,938.77 C.Y. of water volume
- This results in a on average river depth increase by 1.38"