

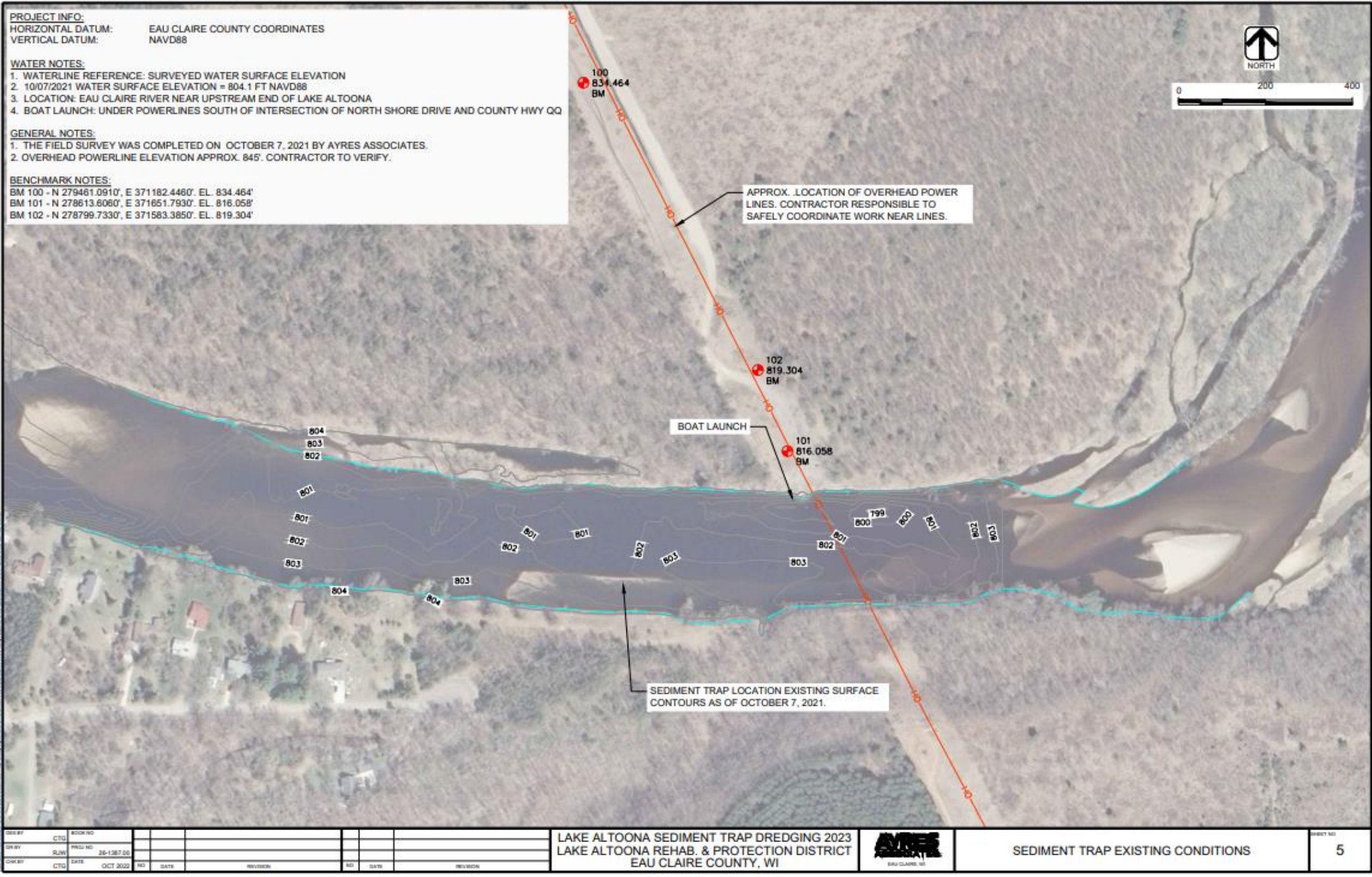


# Lake Altoona Bathymetric Survey Data

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

# October 2021



## Ayres Survey of Lake Altoona Sediment Trap

DES BY	CTG	BOOK NO.							
DRAWN BY	RJH	PROJ. NO.	20-1287-00						
CHECK BY	CTG	DATE	OCT 2022	NO.		DATE		REVISION	

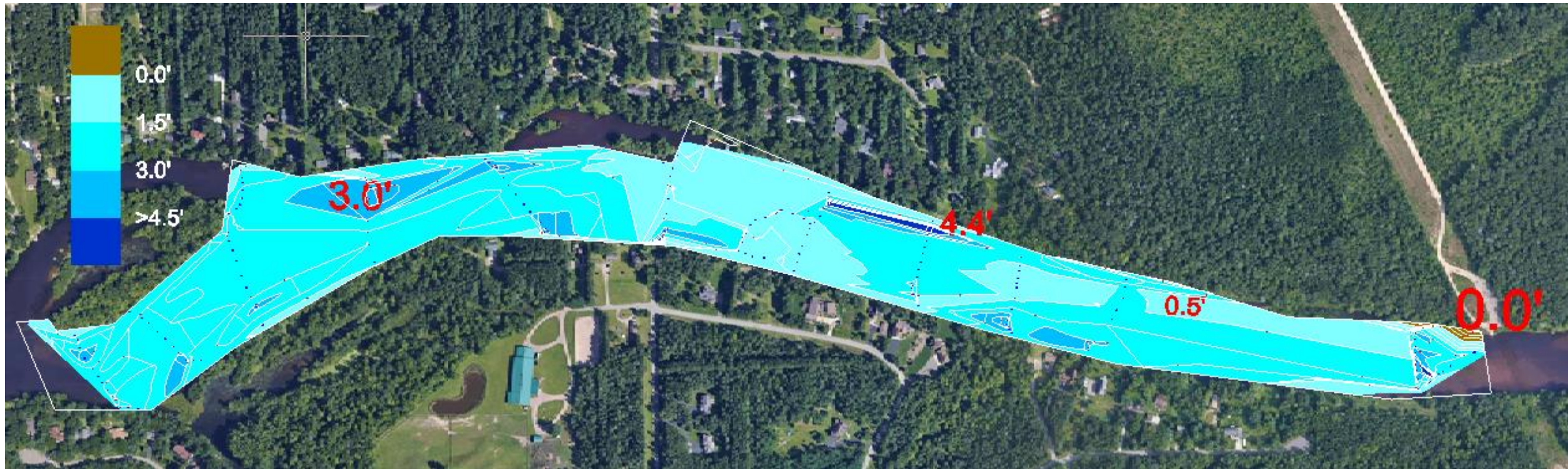
LAKE ALTOONA SEDIMENT TRAP DREDGING 2023  
 LAKE ALTOONA REHAB. & PROTECTION DISTRICT  
 EAU CLAIRE COUNTY, WI



SEDIMENT TRAP EXISTING CONDITIONS

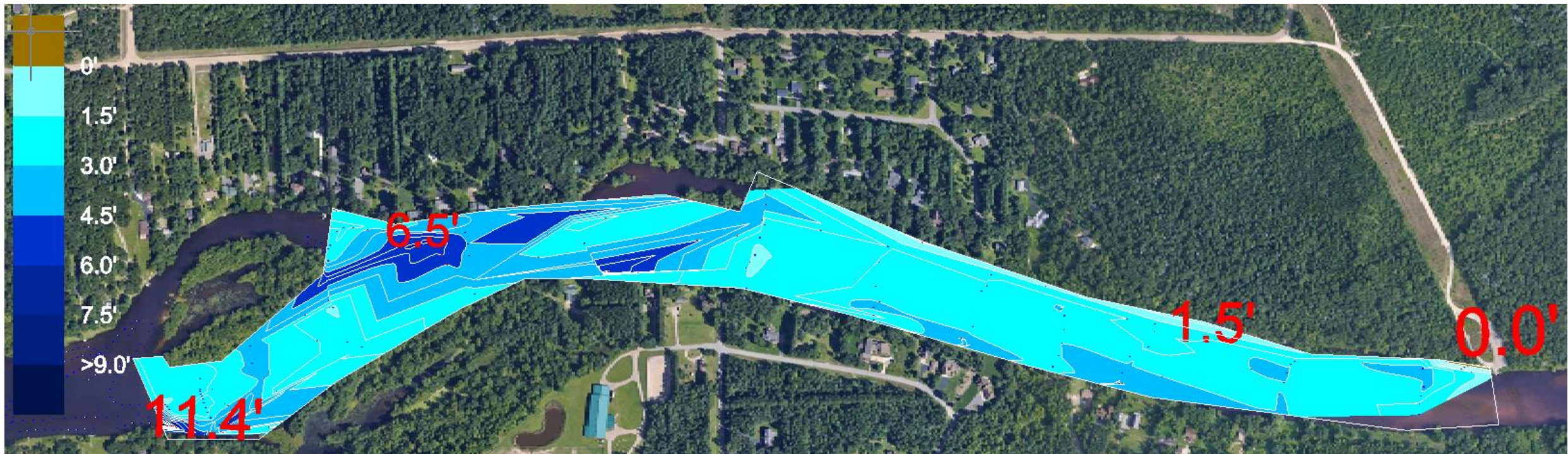
# 2022 ECRWA Survey

- 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 acres 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 increased to 21,149.13 C.Y.
- The river gained 9,938.77 C.Y. of water volume
- This results in an average river depth increase by 1.38”