

Big Pine Lake Water Elevation Report 2020 Season Summary

NOTE: All Elevations use the NGVD29 Datum

For questions or comments, please contact:

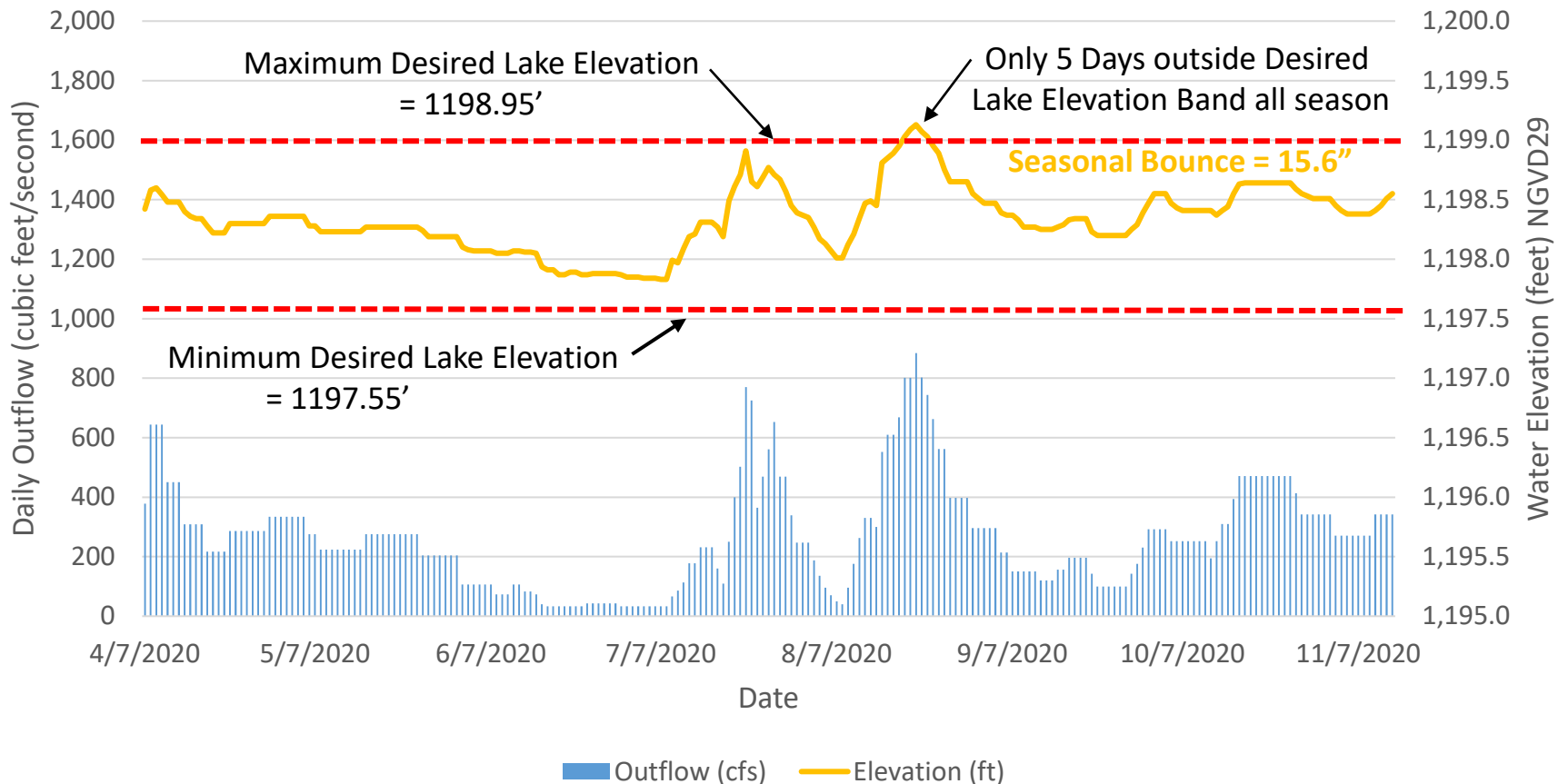
Dennis Bengtson, Member

Big Pine Lake Association

dbengtson4@comcast.net or (316) 253-4346

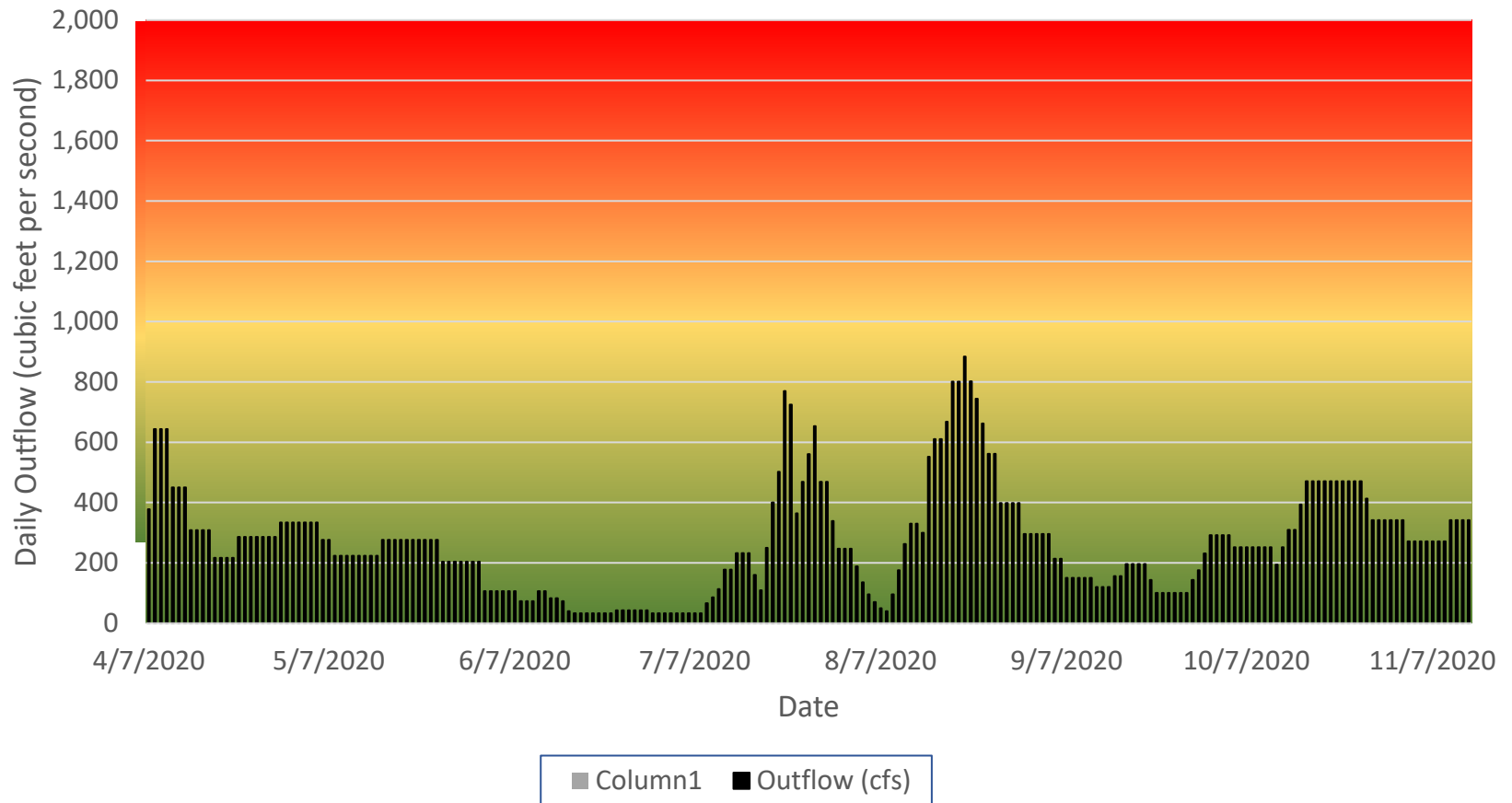
Correlation of Big Pine Lake Elevation to Pine River Dam Outflows April 7 – November 13, 2020

Big Pine Lake Elevation vs. Pine River Dam Outflow



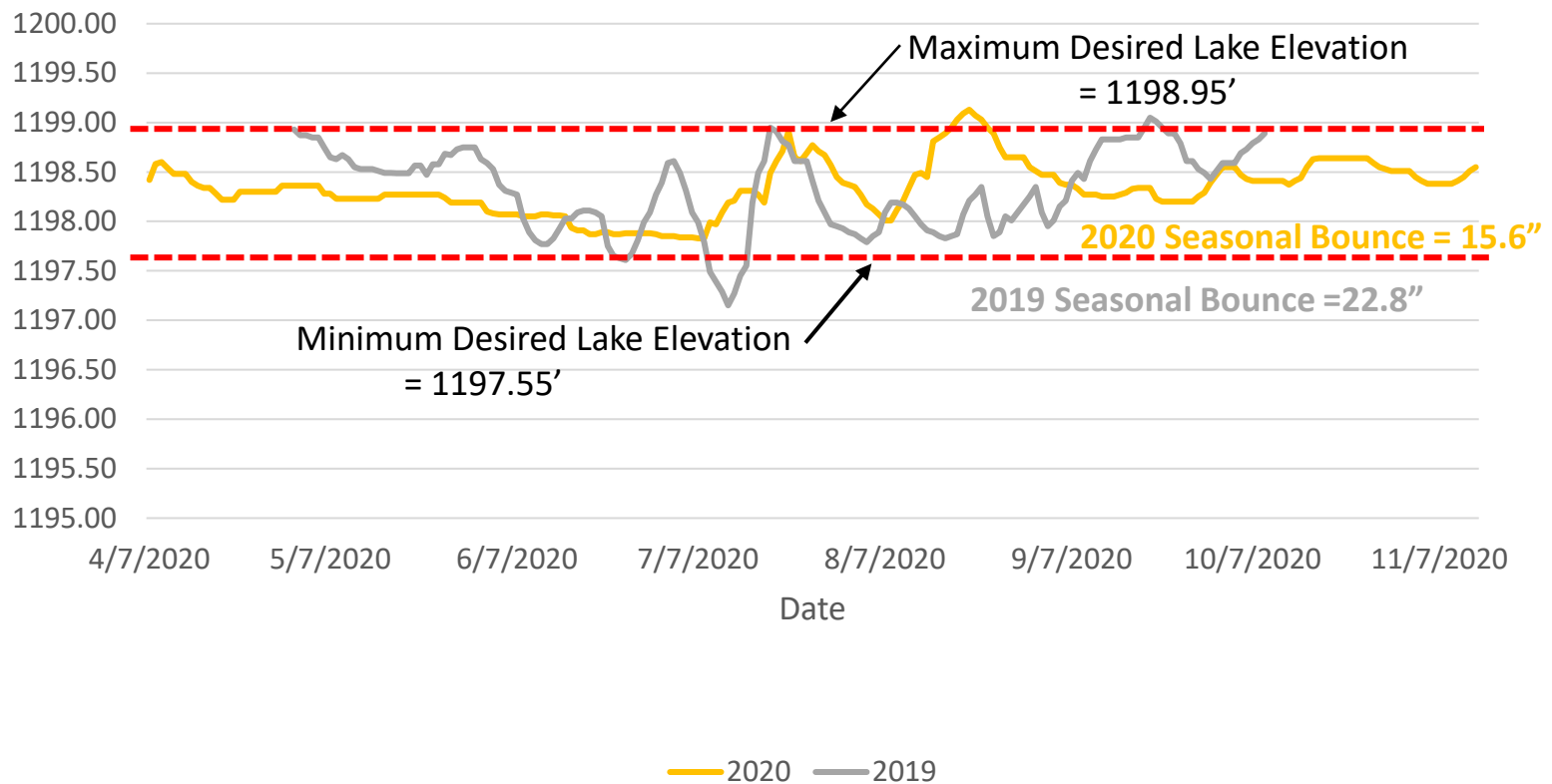
Pine River Dam Outflows for April 7 – November 13, 2020

Pine River Dam Outflow

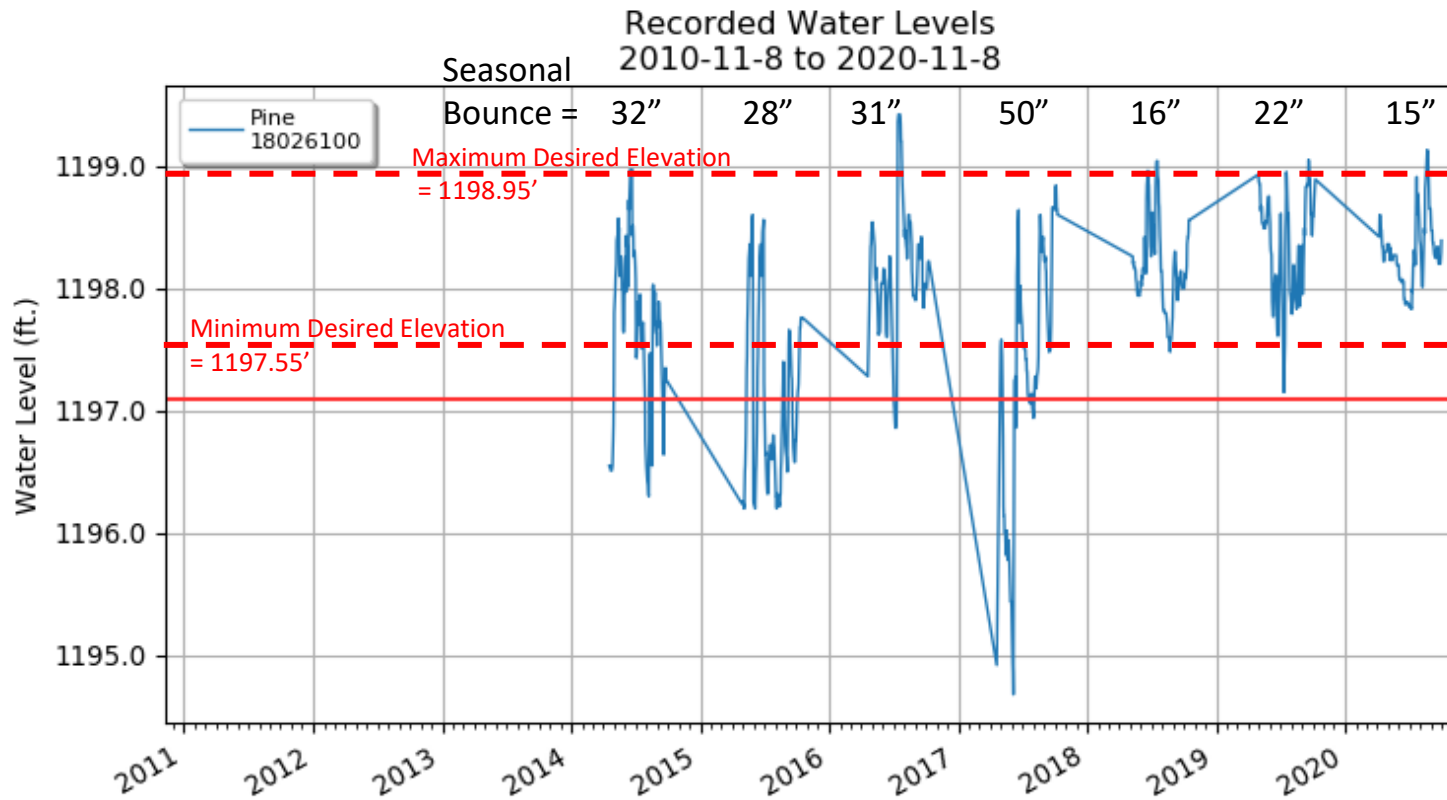


Comparison of 2020 Season and 2019 Season Actual Elevations

2020 Season vs. 2019 Season Actual Elevations

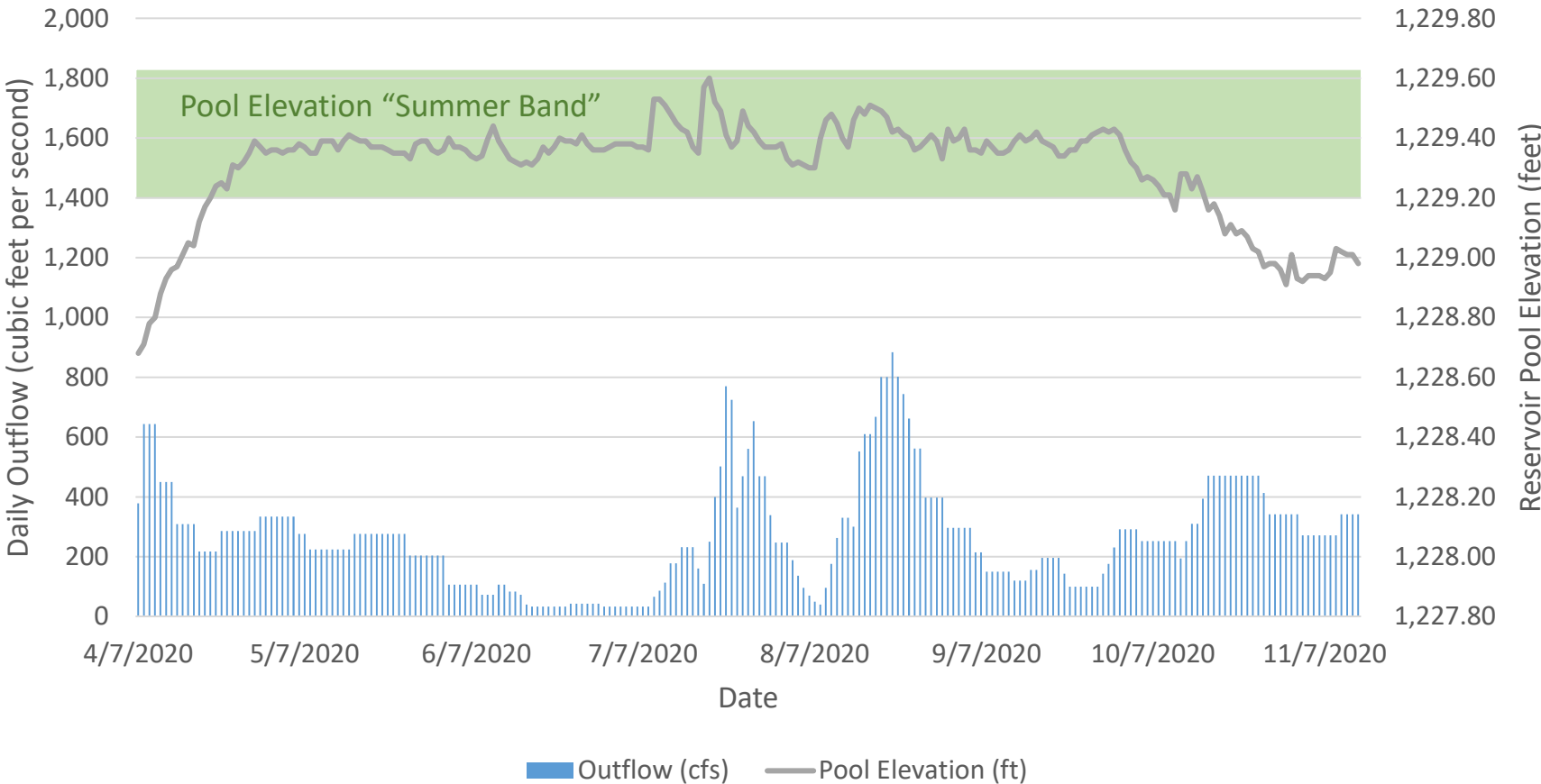


This Hydrograph from the MN Lake Finder database shows the 2020 improvement and dramatic variance in seasonal bounce for seven of the past ten years.

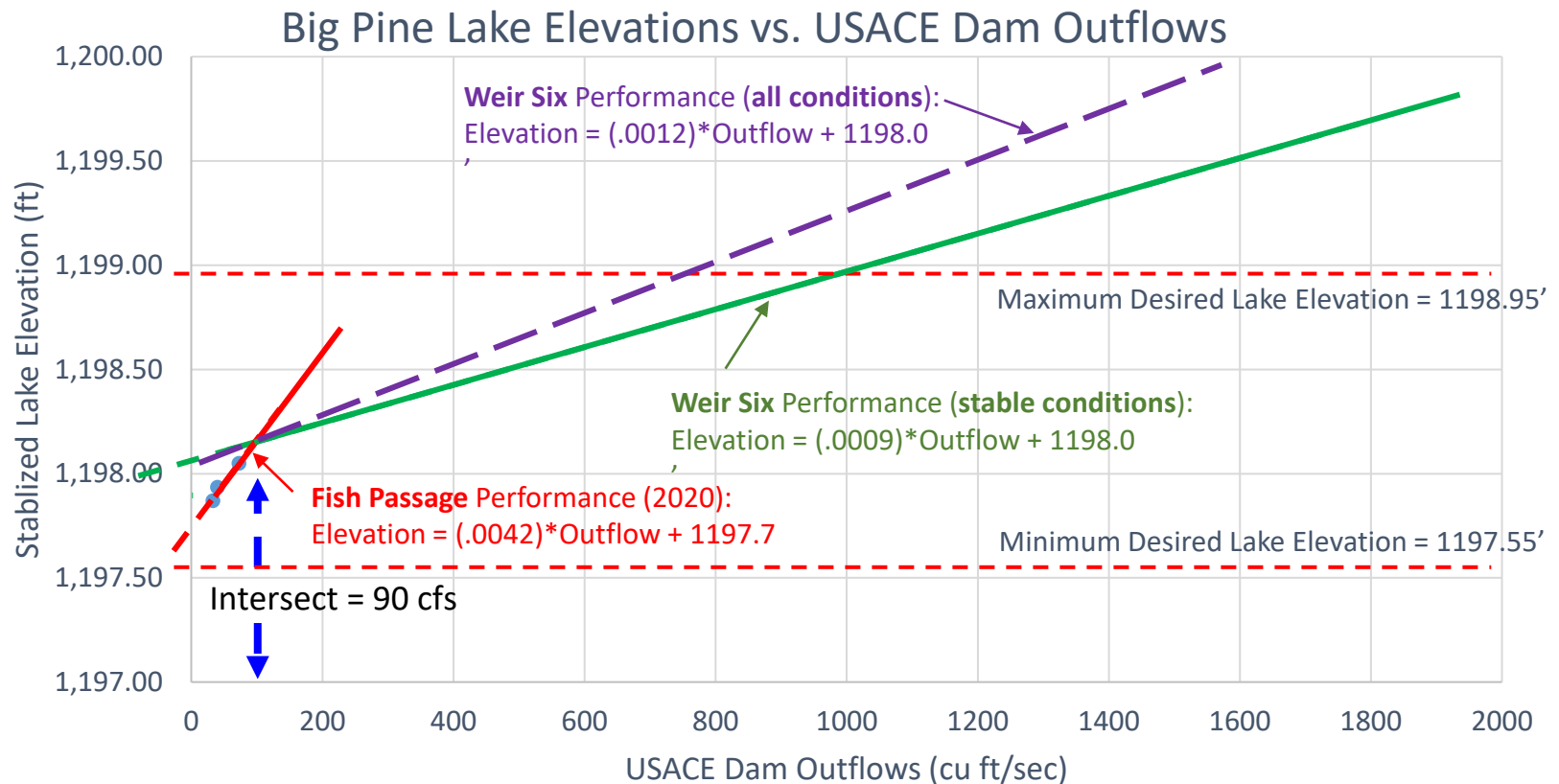


Correlation of Whitefish Reservoir Pool Elevation to Pine River Dam Outflows

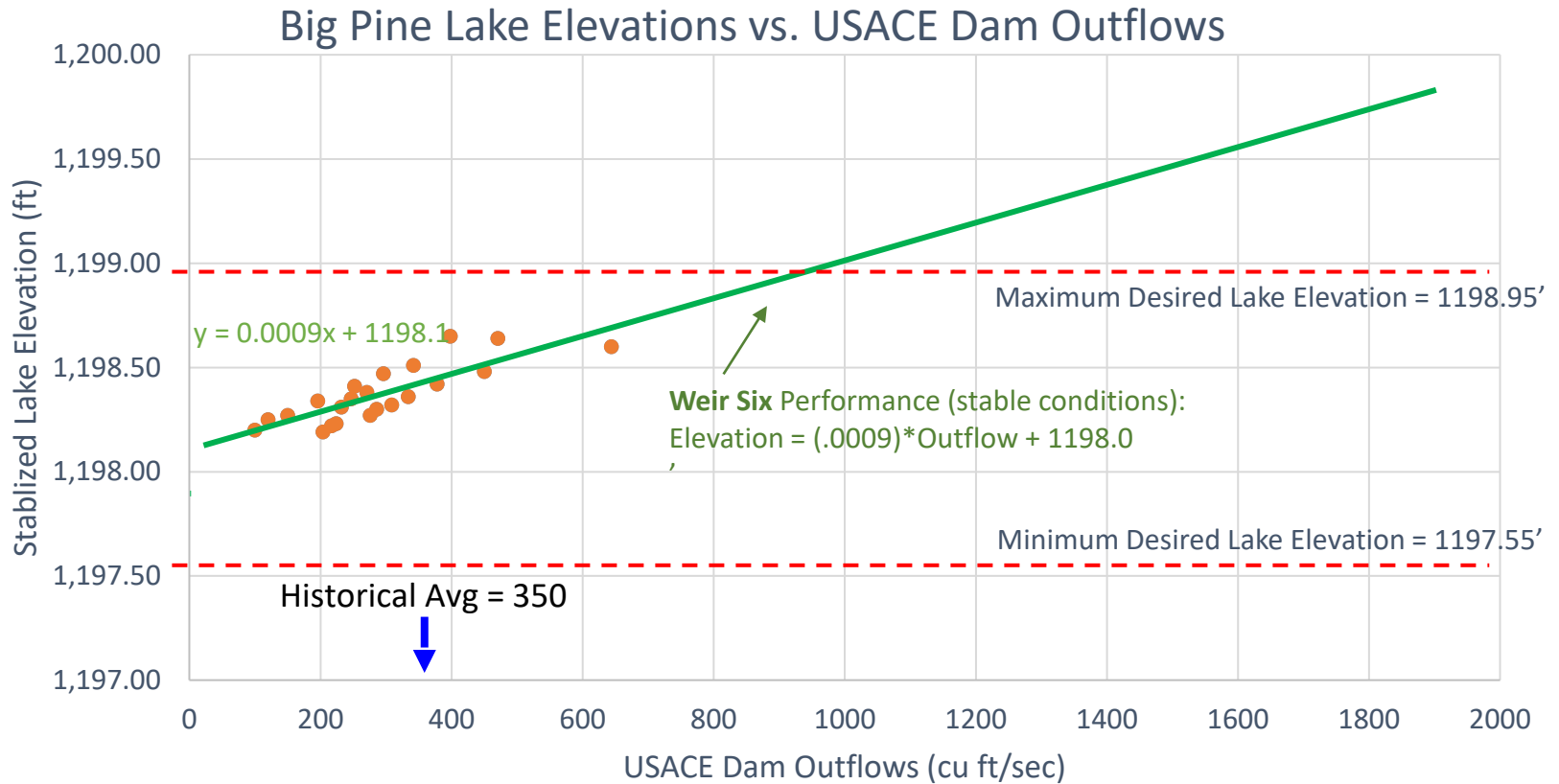
Reservoir Pool Elevation vs. Pine River Dam Outflow



2020 Weir Six and Fish Passage Performance equations have been derived from full season outflow and elevation measurement results.



Linear Relationship of inflows => 100 cfs and resulting elevations during stable conditions occurring between April 7 – November 13, 2020.



Linear Relationship of all inflows => 100 cfs and resulting elevations occurring between April 7 – November 13, 2020.

