



# COLUMBIA RIVER INTER-TRIBAL FISH COMMISSION

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## MEMORANDUM

TO: Technical Management Team members  
FROM: Kyle Dittmer, *Hydrologist-Meteorologist*, Dept. Fish Management  
DATE: November 4, 2020  
RE: Summary of Pool Operations – 2020 Fall Season Treaty Fishery

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CRITFC submitted one System Operation Request (2020-C2) to the U.S. Army Corps of Engineers via the TMT process to support the 2020 fall season treaty fishing. CRITFC requested two criteria: (1) 1.5-foot elevation bands, as a hard constraint, and (2) stable pool elevations during each week of treaty fishing. The Corps committed to a 1.5-foot range hard constraint. The Corps was 100% compliant at the 1.5-foot range and near 100% at the 1-foot range (i.e., former CRITFC criteria) as summarized in the table below.

<b>2020</b>			
1 foot range:	Bonneville Pool	The Dalles Pool	John Day pool
AUGUST 24 - 27	94%	92%	100%
AUGUST 31 - SEPTEMBER 4	100%	100%	100%
SEPTEMBER 7 - 10	100%	100%	99%
SEPTEMBER 14 - 18	99%	100%	100%
SEPTEMBER 21 - 25	100%	100%	100%
SEPTEMBER 28 - OCTOBER 1	100%	100%	100%
OCTOBER 5 - 7	100%	100%	100%
average:	<b>99%</b>	<b>99%</b>	<b>100%</b>
2019 fall season average:	99%	100%	100%
1.5 foot range:	Bonneville Pool	The Dalles Pool	John Day pool
AUGUST 24 - OCTOBER 7	100%	100%	100%
2019 fall season average:	100%	100%	100%

Graphical pool elevation data show pool fluctuations – (Figures 1 through 18). The Bonneville pool had 0.2 – 0.9 foot swings (compared to 0.2 – 1.2 foot swings in autumn 2019). The Celilo pool had 0.2 – 1.3 foot swings (compared to 0.2 – 0.8 foot swings in autumn 2019). John Day pool had 0.2 – 0.6 foot swings (compared to 0.2 – 0.9 foot swings in autumn 2019).

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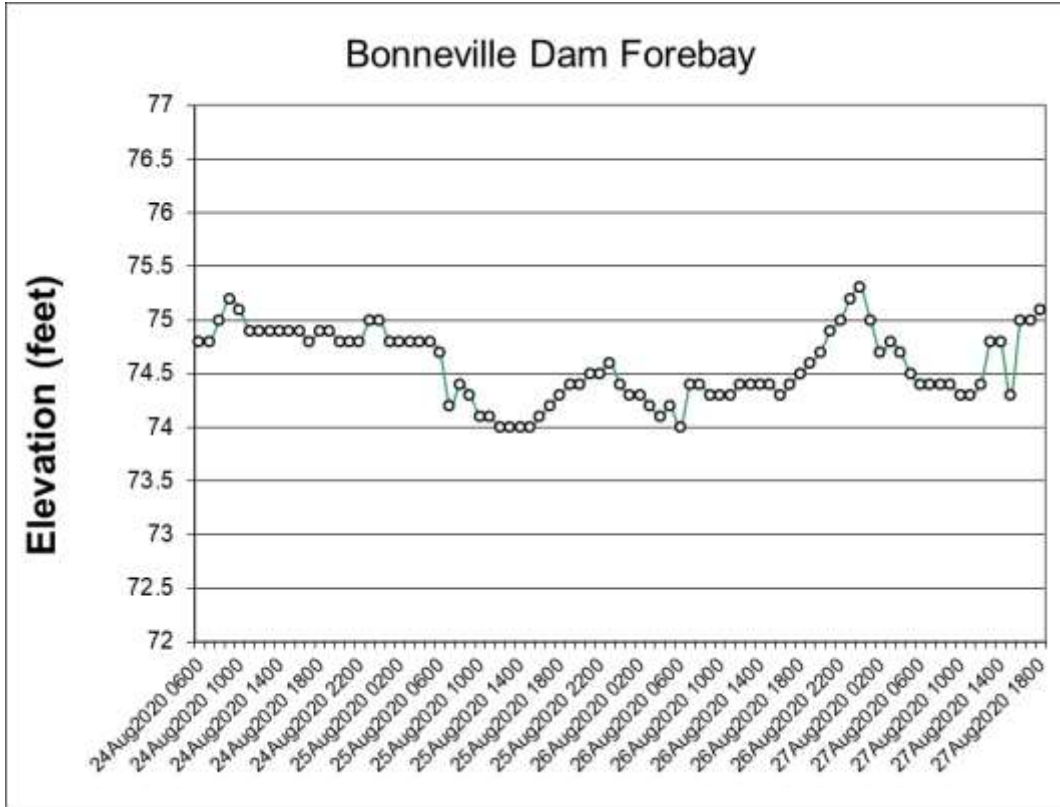


Figure 1. Observed BON pool elevations during August 24 - 27, 2020 fall season treaty fishing.

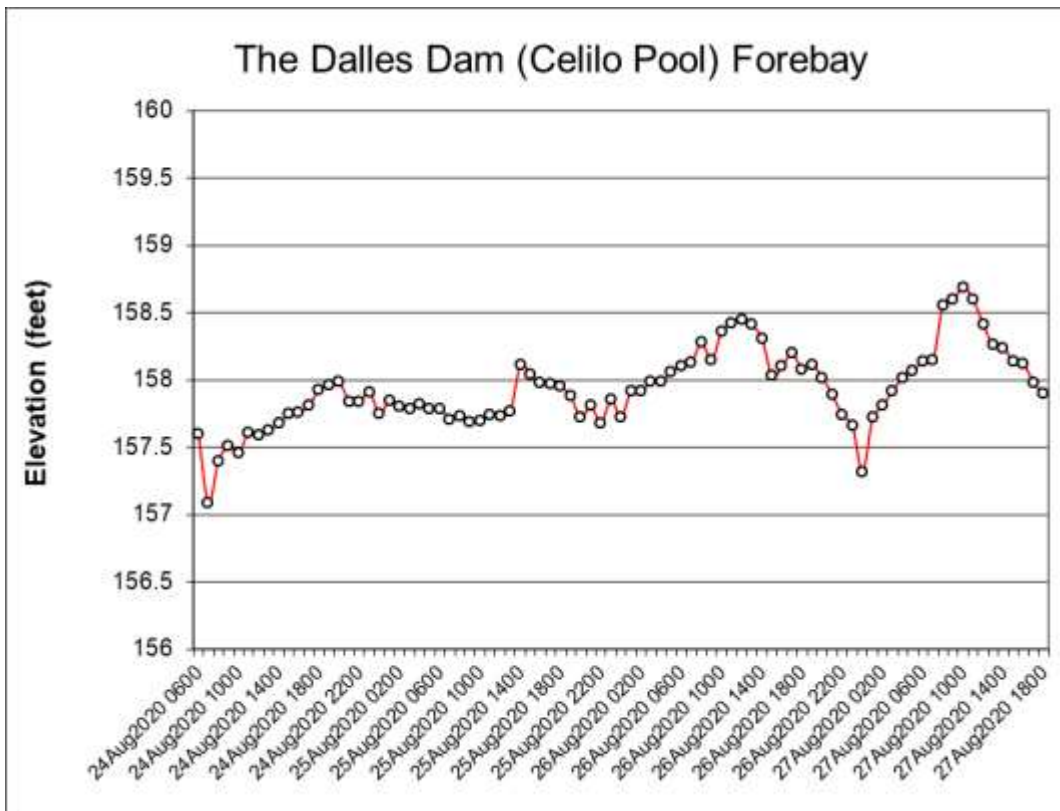


Figure 2. Observed TDA pool elevations during August 24 - 27, 2020 fall season treaty fishing.

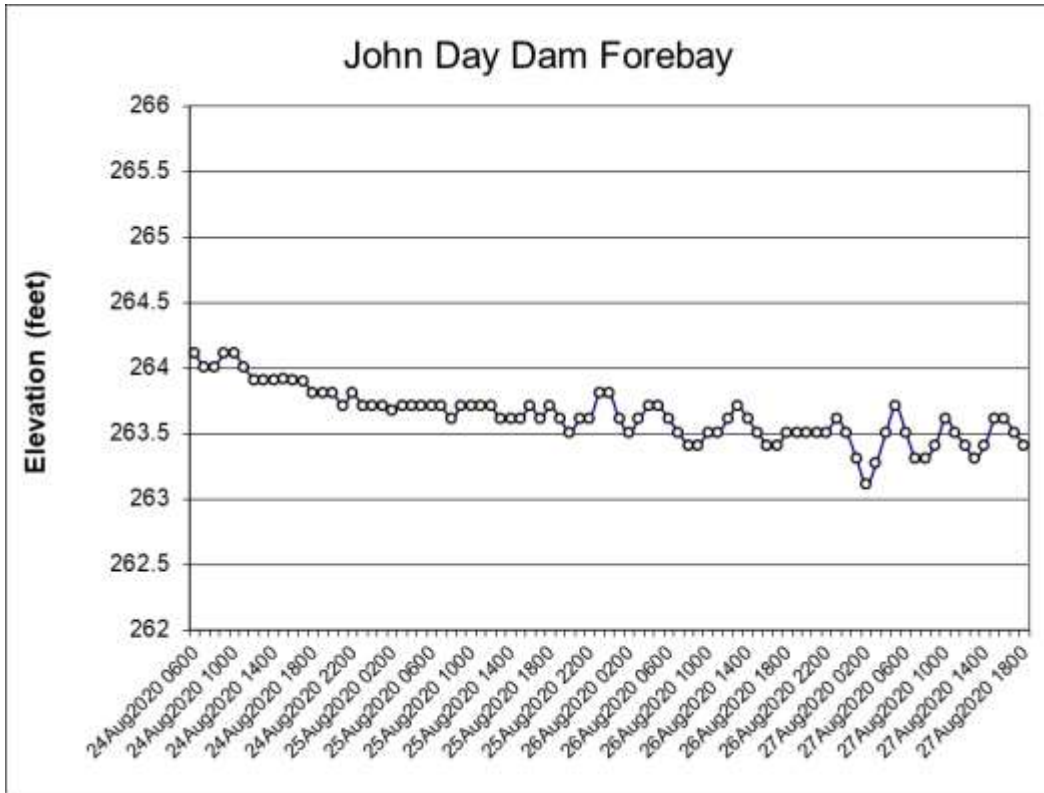


Figure 3. Observed JDA pool elevations during August 24 - 27, 2020 fall season treaty fishing.

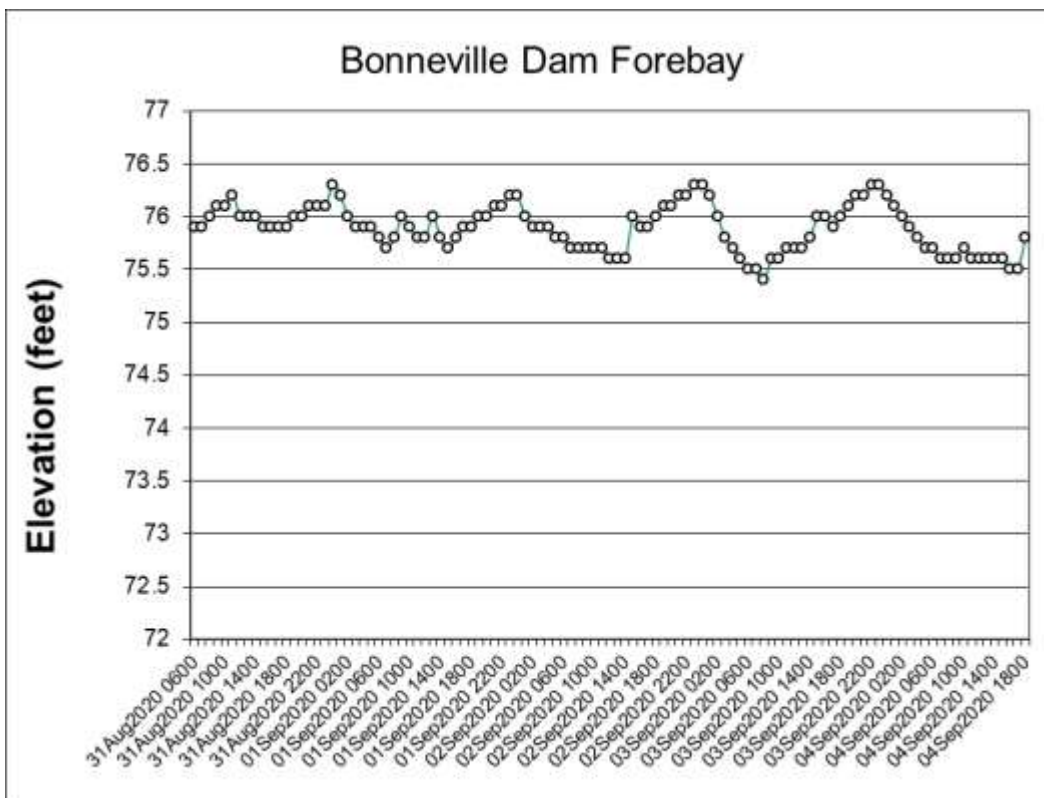


Figure 4. Observed BON pool elevations during August 31 – Sept. 4, 2020 fall season treaty fishing.

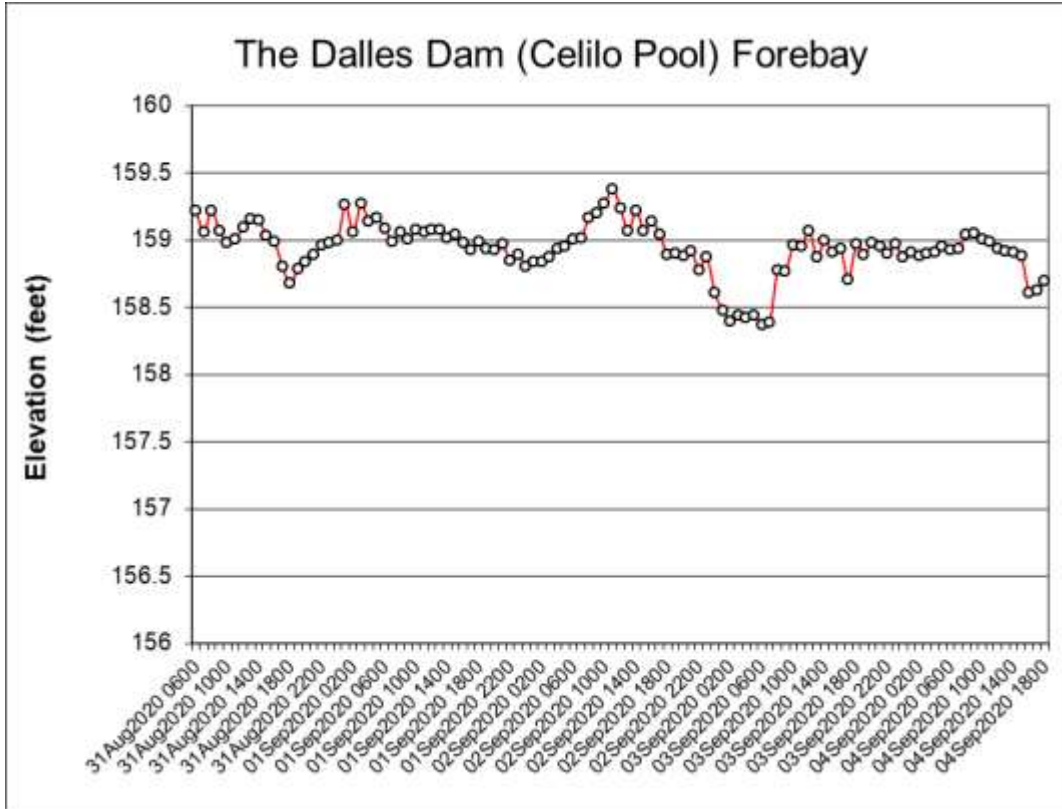


Figure 5. Observed TDA pool elevations during August 31 – Sept. 4, 2020 fall season treaty fishing.

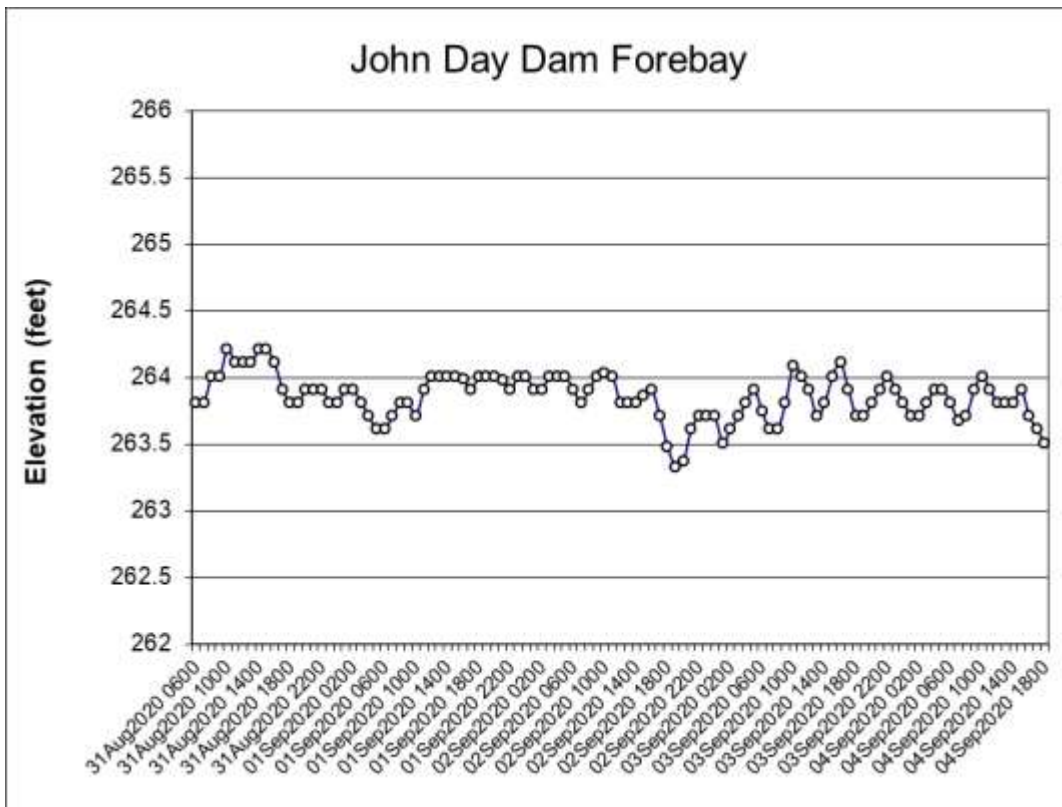


Figure 6. Observed JDA pool elevations during August 31 – Sept. 4, 2020 fall season treaty fishing.

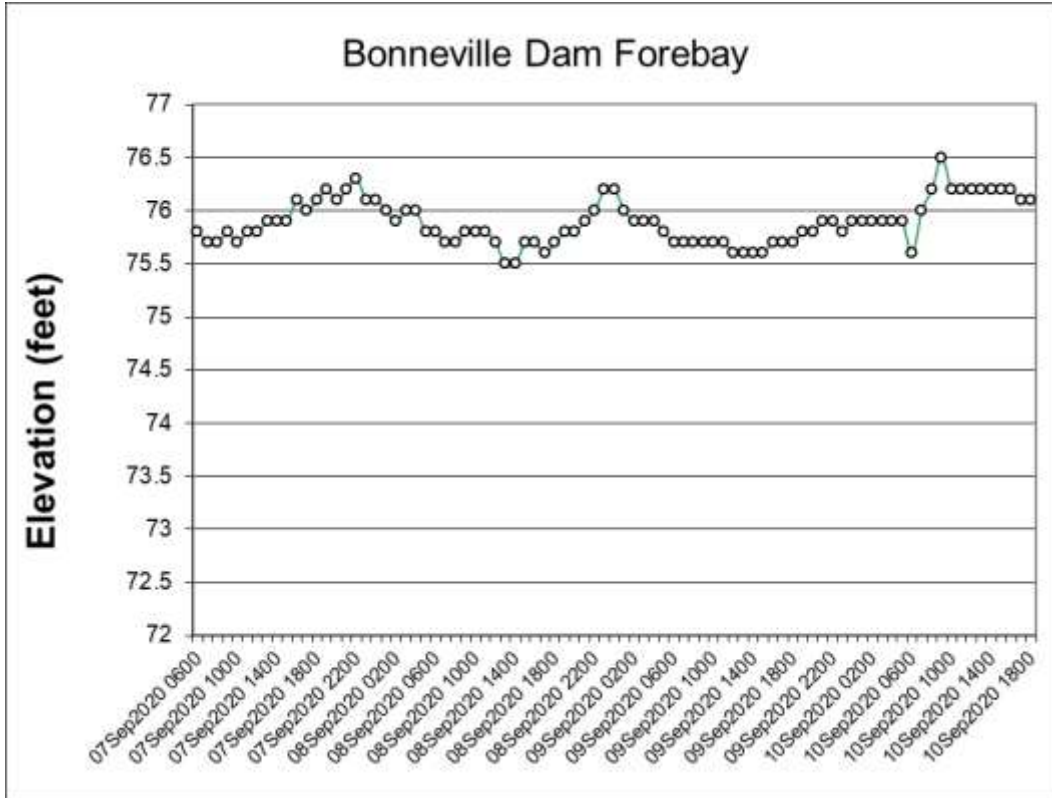


Figure 7. Observed BON pool elevations during September 7 - 10, 2020 fall season treaty fishing.

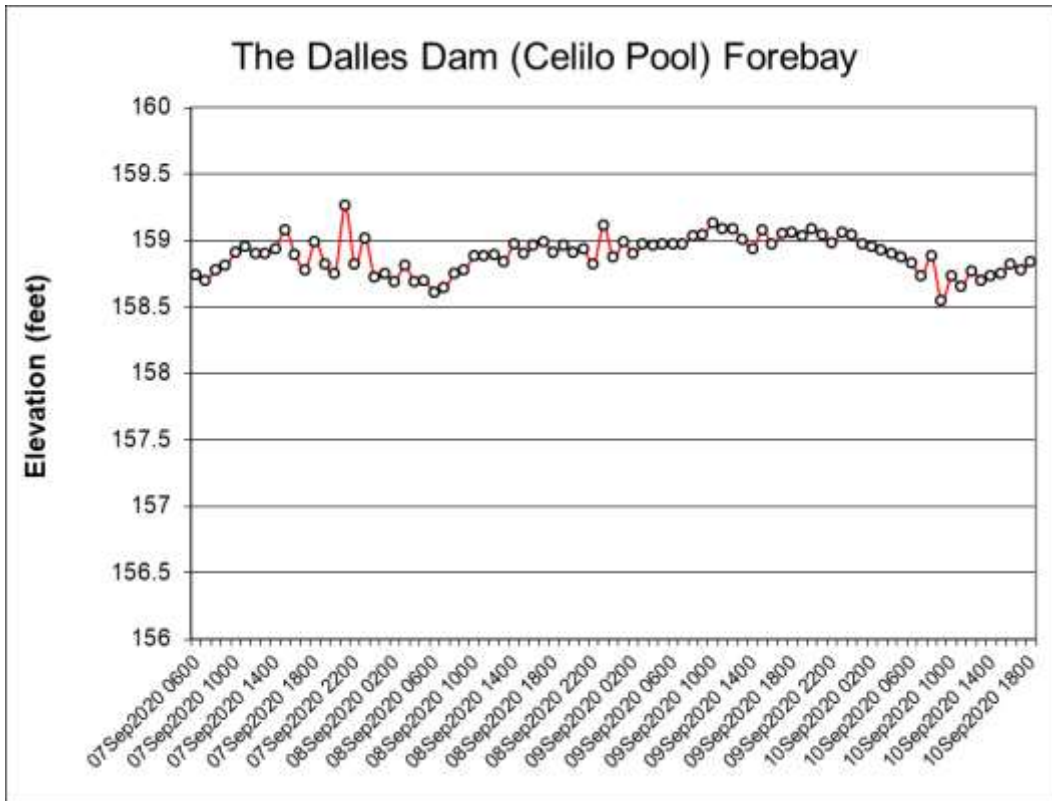


Figure 8. Observed TDA pool elevations September 7 - 10, 2020 fall season treaty fishing.



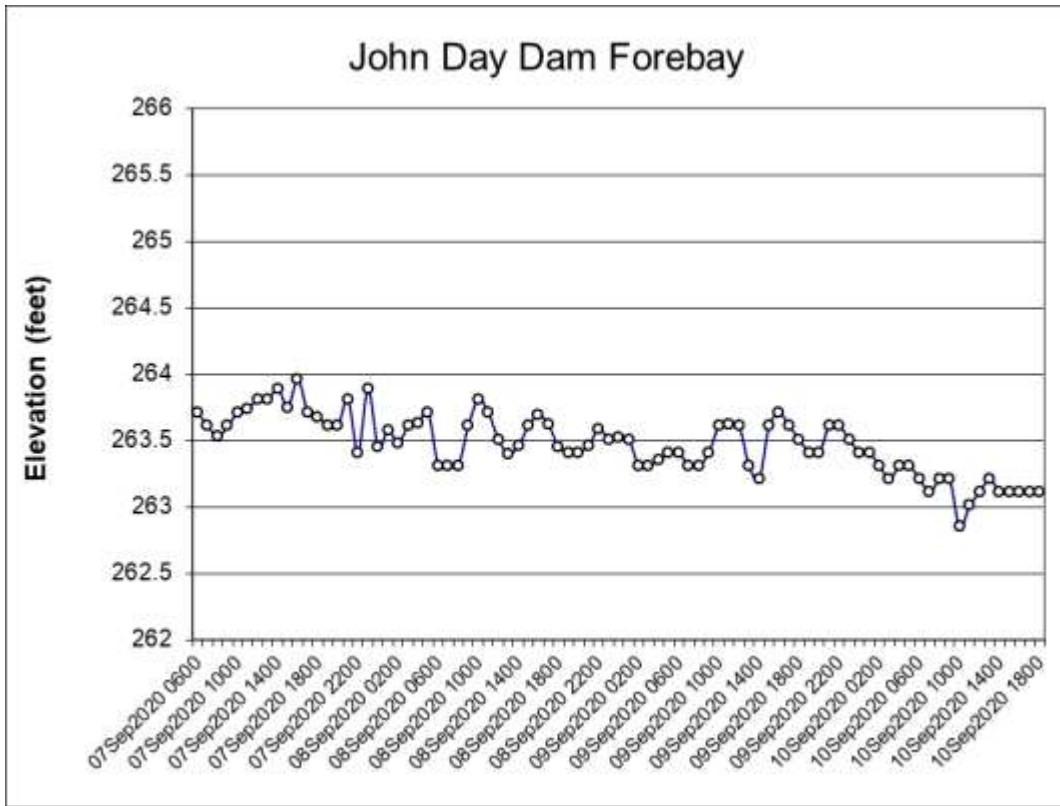


Figure 9. Observed JDA pool elevations during September 7 - 10, 2020 fall season treaty fishing.

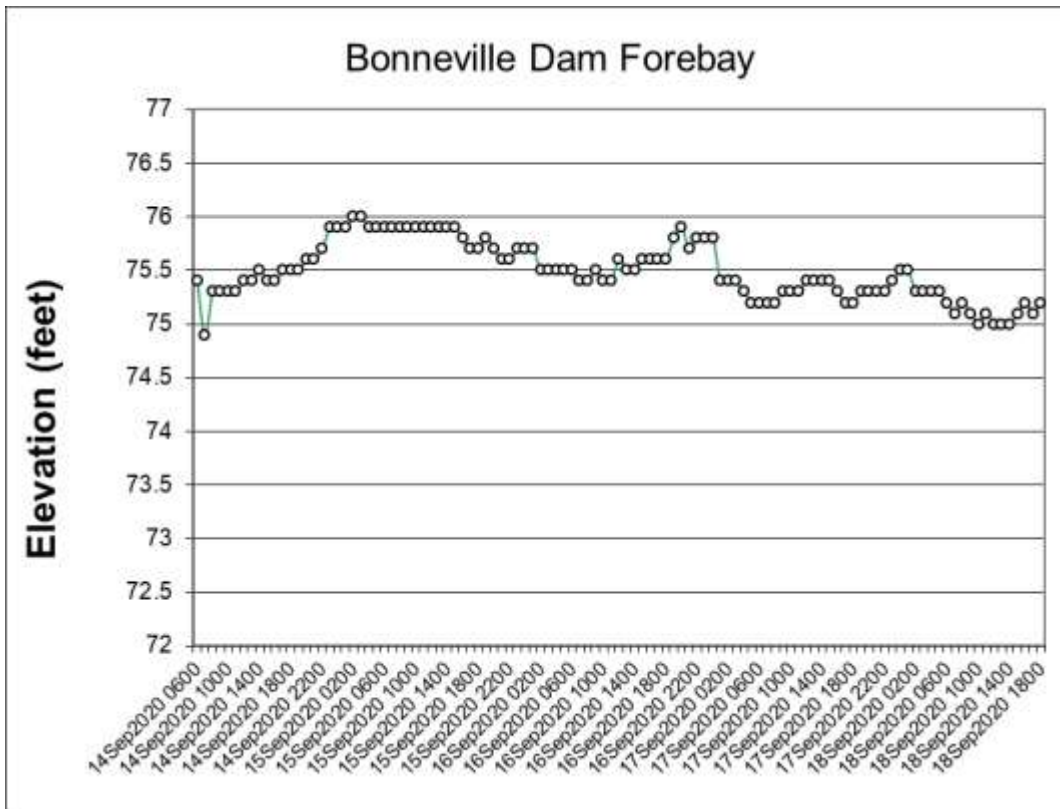


Figure 10. Observed BON pool elevations during September 14 - 18, 2020 fall season treaty fishing.

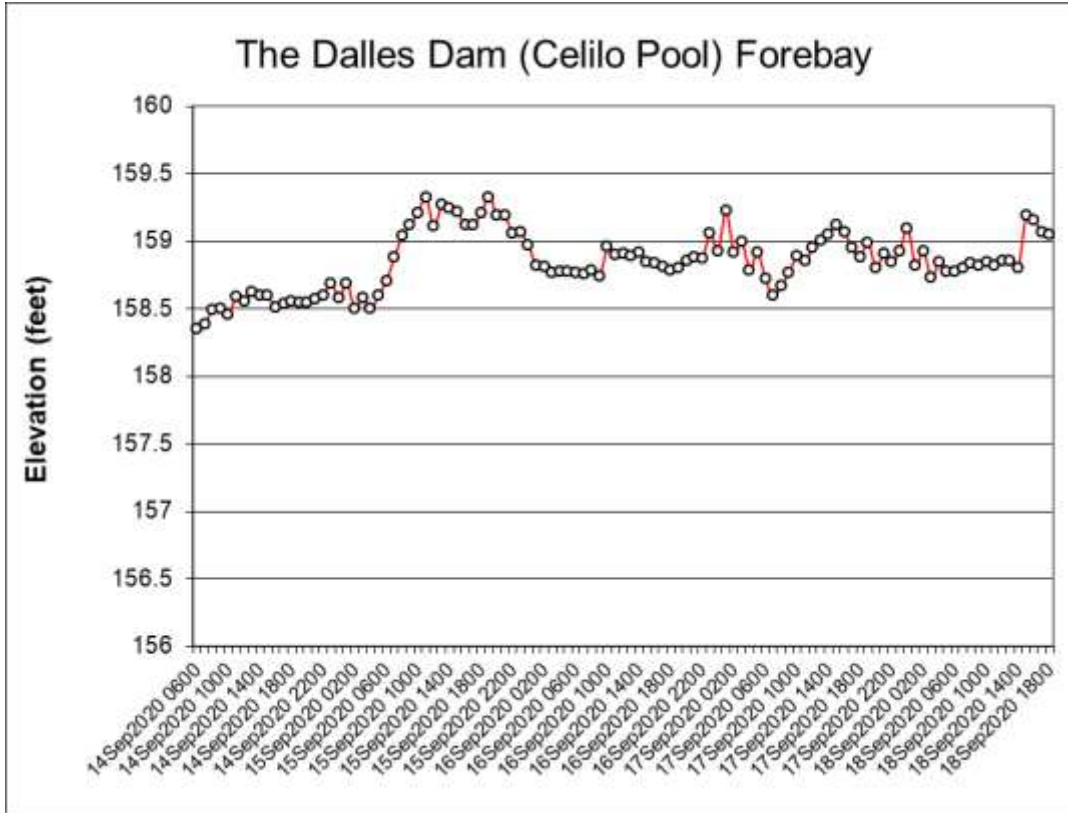


Figure 11. Observed TDA pool elevations during September 14 - 18, 2020 fall season treaty fishing.

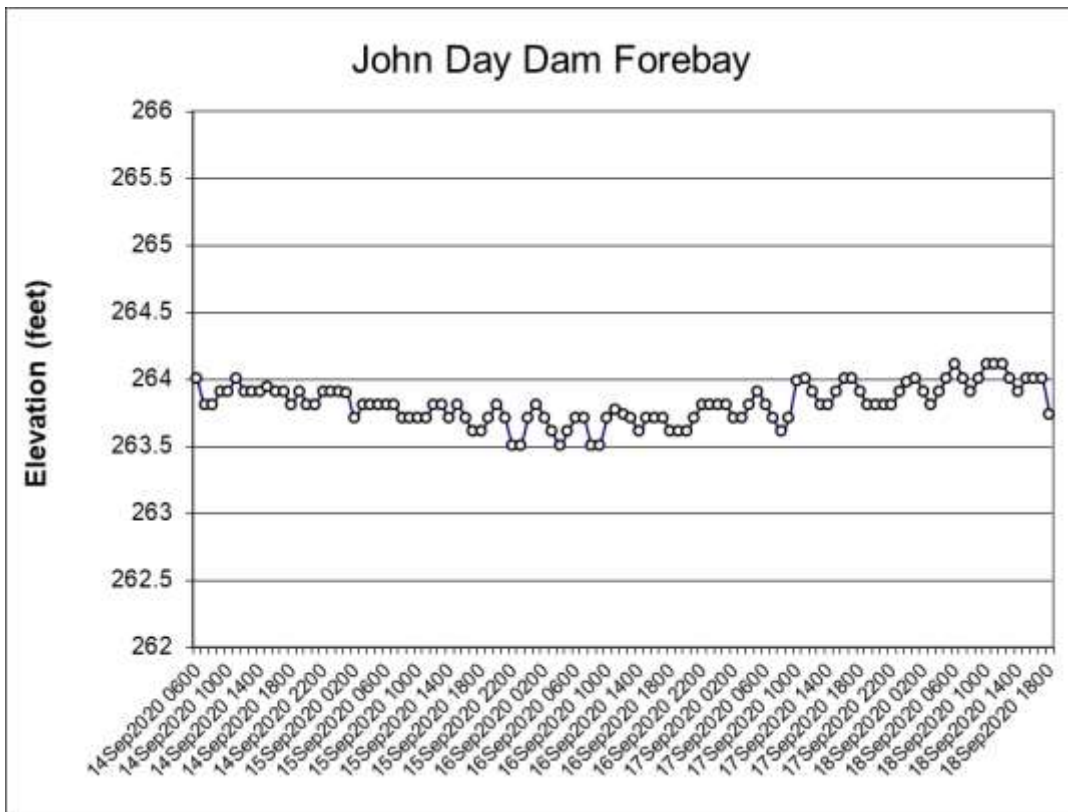


Figure 12. Observed JDA pool elevations during September 14 - 18, 2020 fall season treaty fishing.

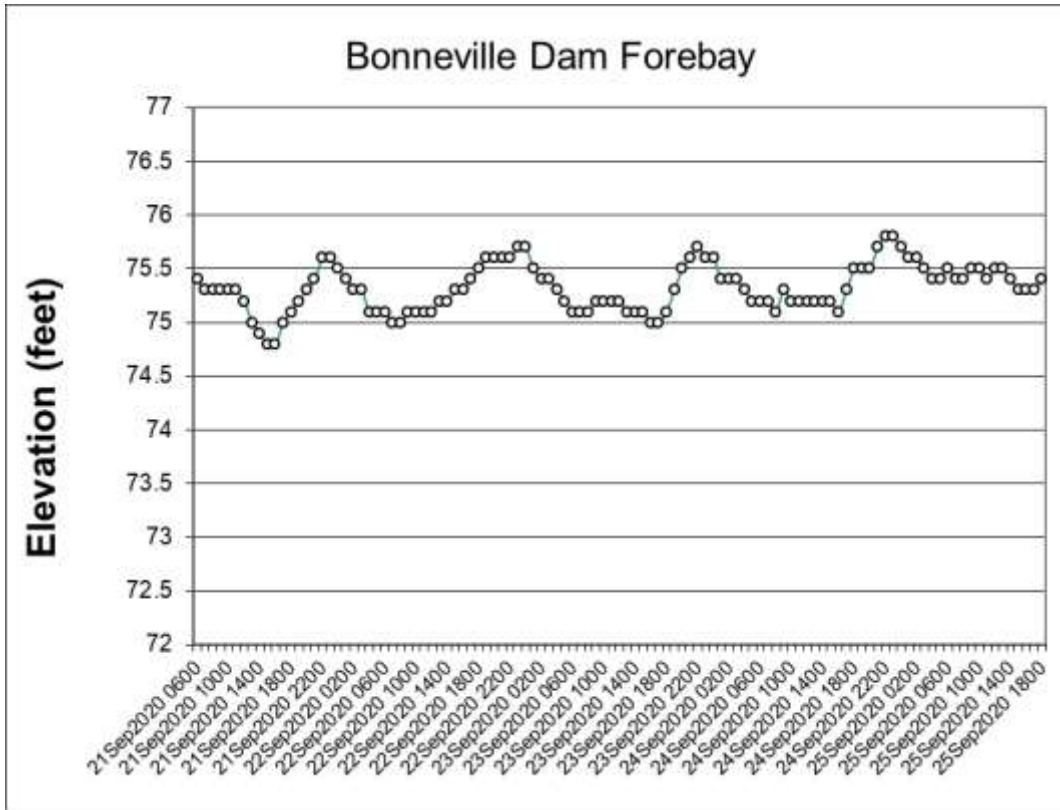


Figure 13. Observed BON pool elevations during September 21 - 25, 2020 fall season treaty fishing.

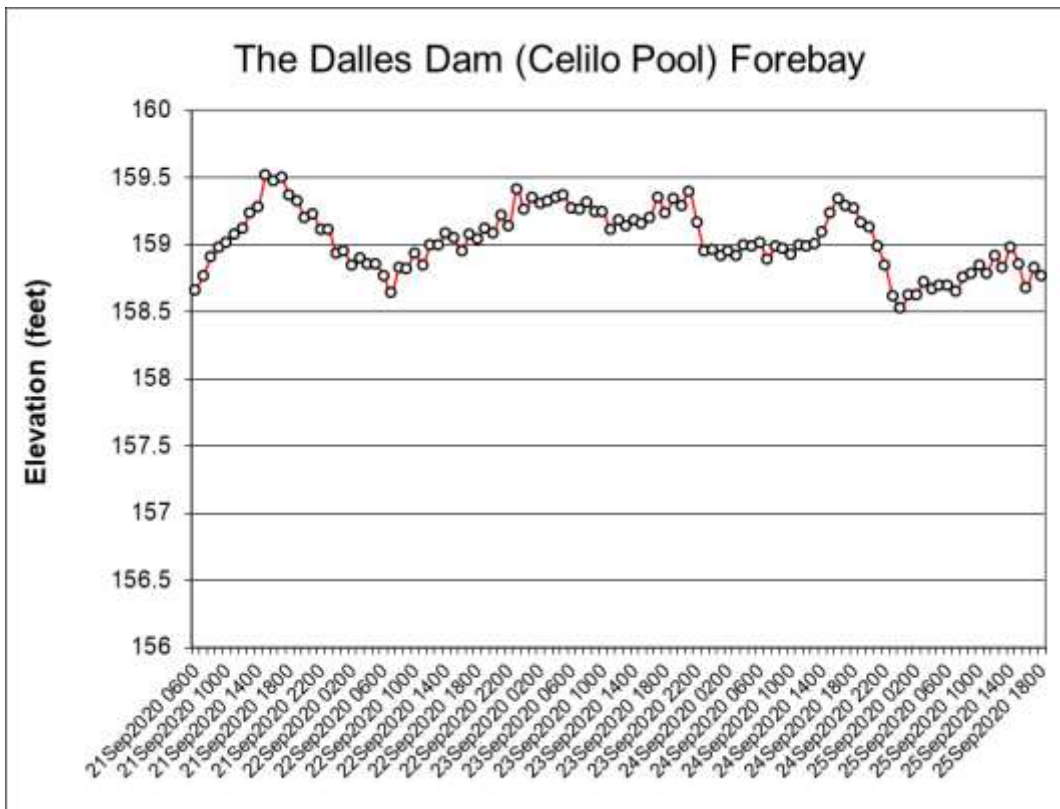


Figure 14. Observed TDA pool elevations during September 21 - 25, 2020 fall season treaty fishing.



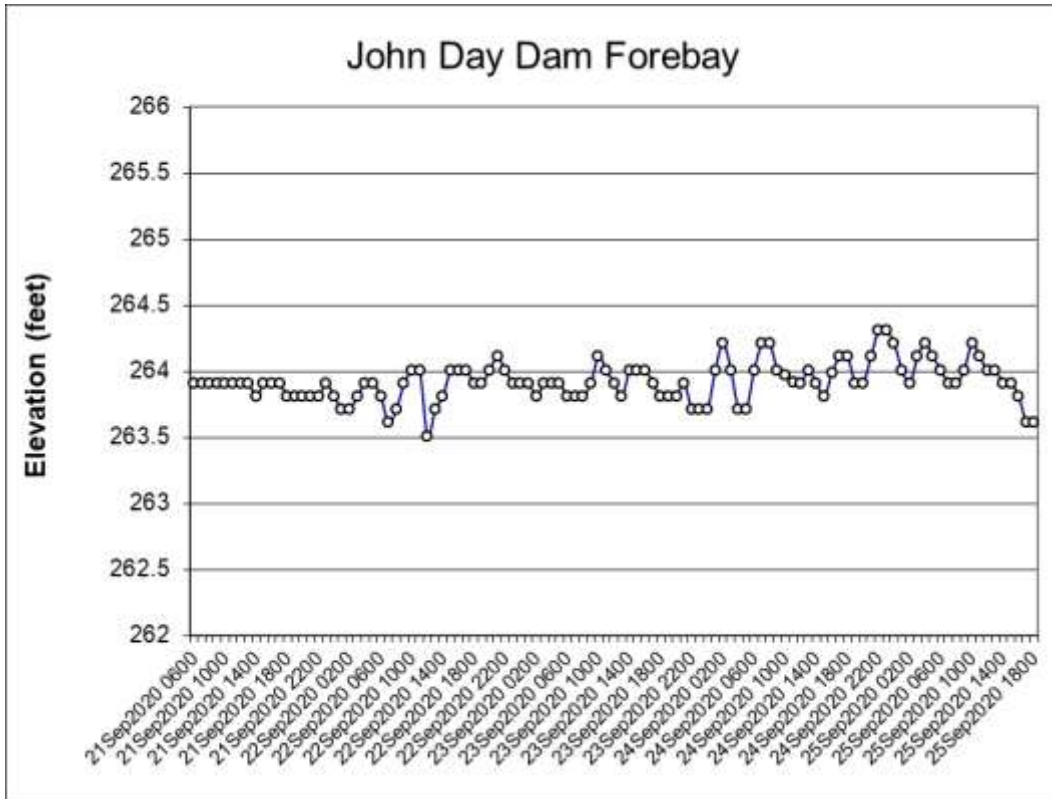


Figure 15. Observed JDA pool elevations during September 21 - 25, 2020 fall season treaty fishing.

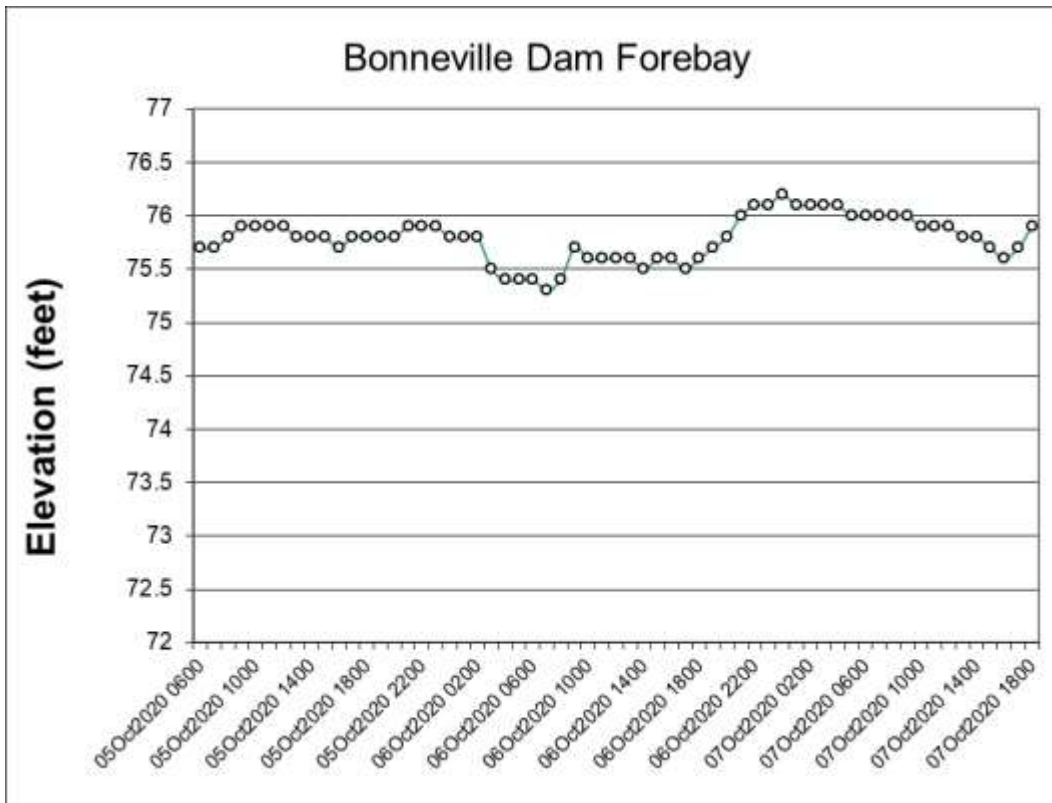


Figure 16. Observed BON pool elevations during October 5 - 7, 2020 fall season treaty fishing.

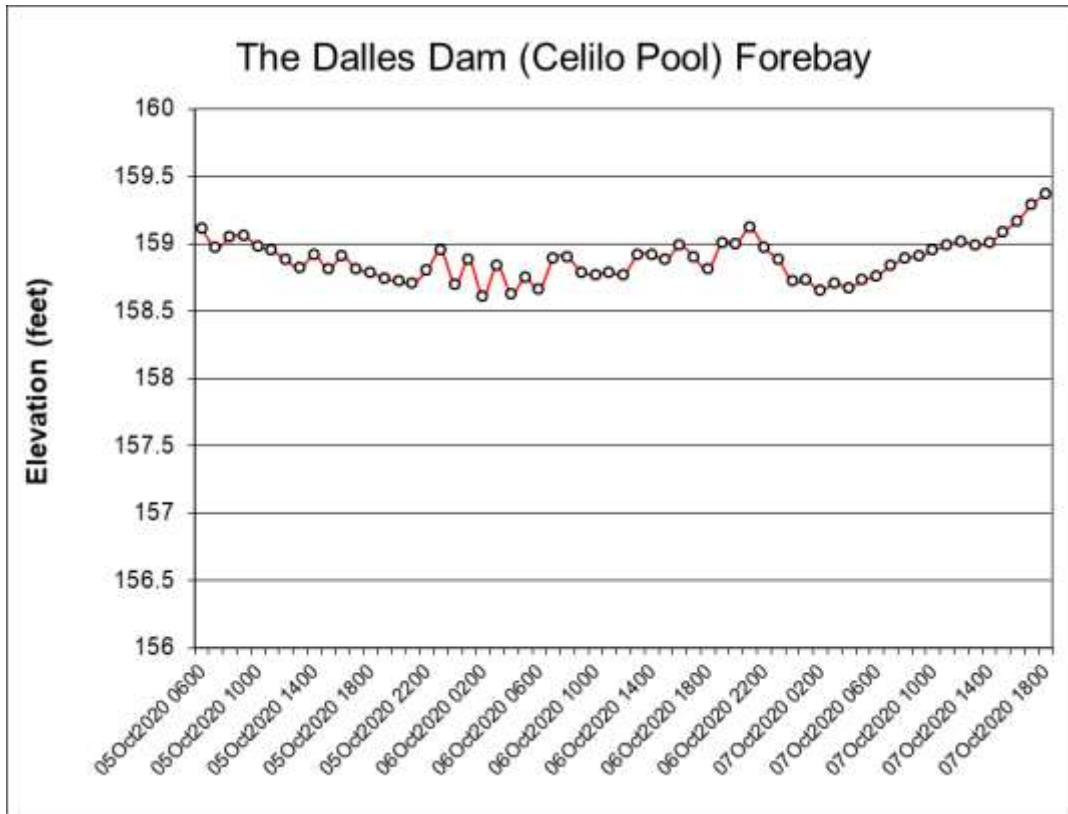


Figure 17. Observed TDA pool elevations during October 5 - 7, 2020 fall season treaty fishing.

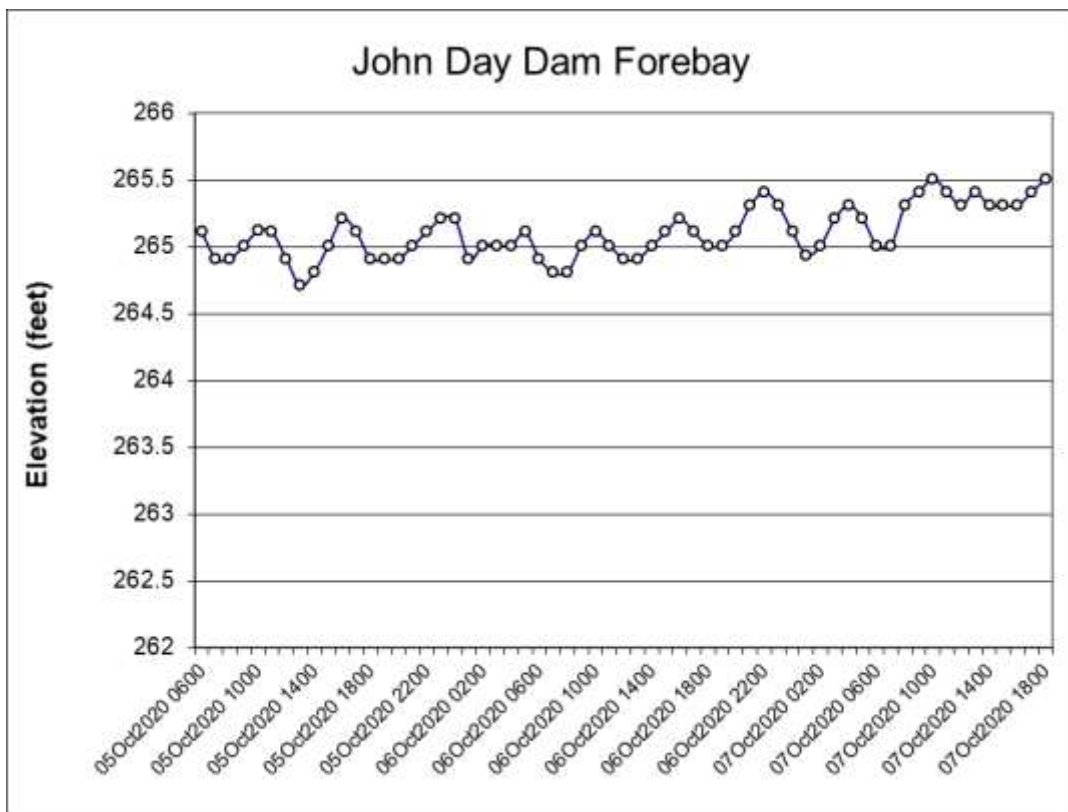


Figure 18. Observed JDA pool elevations during October 5 - 7, 2020 fall season treaty fishing.