



COLUMBIA RIVER INTER-TRIBAL FISH COMMISSION

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TO: Technical Management Team (TMT)
FROM: Kyle Dittmer, *Hydrologist - Meteorologist*, CRITFC Hydro Program
DATE: October 22, 2008
SUBJECT: Summary of Pool Operations – 2008 Autumn Treaty Fishery

CRITFC submitted six System Operation Requests (2008-C6 to C11) via the NMFS' TMT forum to support 2008 autumn treaty fishing. CRITFC requested two criteria: (1) one-foot elevation bands, and, (2) stable pool elevations during each week of treaty fishing. Criterion #1 asked to operate the pools as a hard constraint within a one-foot elevation range for all of the Zone 6 pools (i.e., Bonneville, The Dalles, and John Day). The Corps committed to a 1.5-foot range hard constraint and 1-foot soft constraint. The table summarizes the hourly compliance of CRITFC's 1-foot elevation band criteria and the Corps' 1.5-foot criteria during the 2008 and 2007 treaty fisheries. We appreciate the Corps' efforts in coming close to meeting the criteria.

2008	Bonneville Pool	The Dalles Pool	John Day pool
1 foot range (CRITFC):			
AUG 19 - 22	89%	82%	100%
AUG 26 - 29	93%	71%	100%
SEP 2 - 6	100%	96%	100%
SEP 9 - 12	100%	71%	81%
SEP 16 - 19	100%	79%	100%
SEP 22 - 26	99%	100%	100%
SEP 30 - OCT 3	100%	100%	71%
OCT 7 - 10	100%	92%	100%
average:	98%	86%	94%
2007 average:	97%	83%	67%
1.5 foot range (COE):			
AUG 19 - 22	100%	100%	100%
AUG 26 - 29	100%	89%	100%
SEP 2 - 6	100%	100%	100%
SEP 9 - 12	100%	94%	100%
SEP 16 - 19	100%	100%	100%
SEP 22 - 26	100%	100%	100%
SEP 30 - OCT 3	100%	100%	88%
OCT 7 - 10	100%	100%	100%
average:	100%	98%	99%
2007 average:	100%	90%	100%

Pool elevation data is a good objective measure as to the absolute pool fluctuations (Criterion #2) as shown in Figures 1 through 24. The Bonneville pool had 0.1 – 1.4 foot swings (compared to 0.2 – 1.2 foot swings in autumn 2007). The Dalles pool had 0.1 – 1.5/2.0 foot swings (versus 0.3 – 2.7 foot swings in autumn 2007). John Day pool had 0.1 – 0.8 foot swings (versus 0.2 – 0.7 foot swings in autumn 2007). The fishing effort was focused in the Bonneville and John Day pools. Tribal fishers caught (preliminary) 106,370 fall Chinook, 24,900 steelhead, 15,000 Coho.

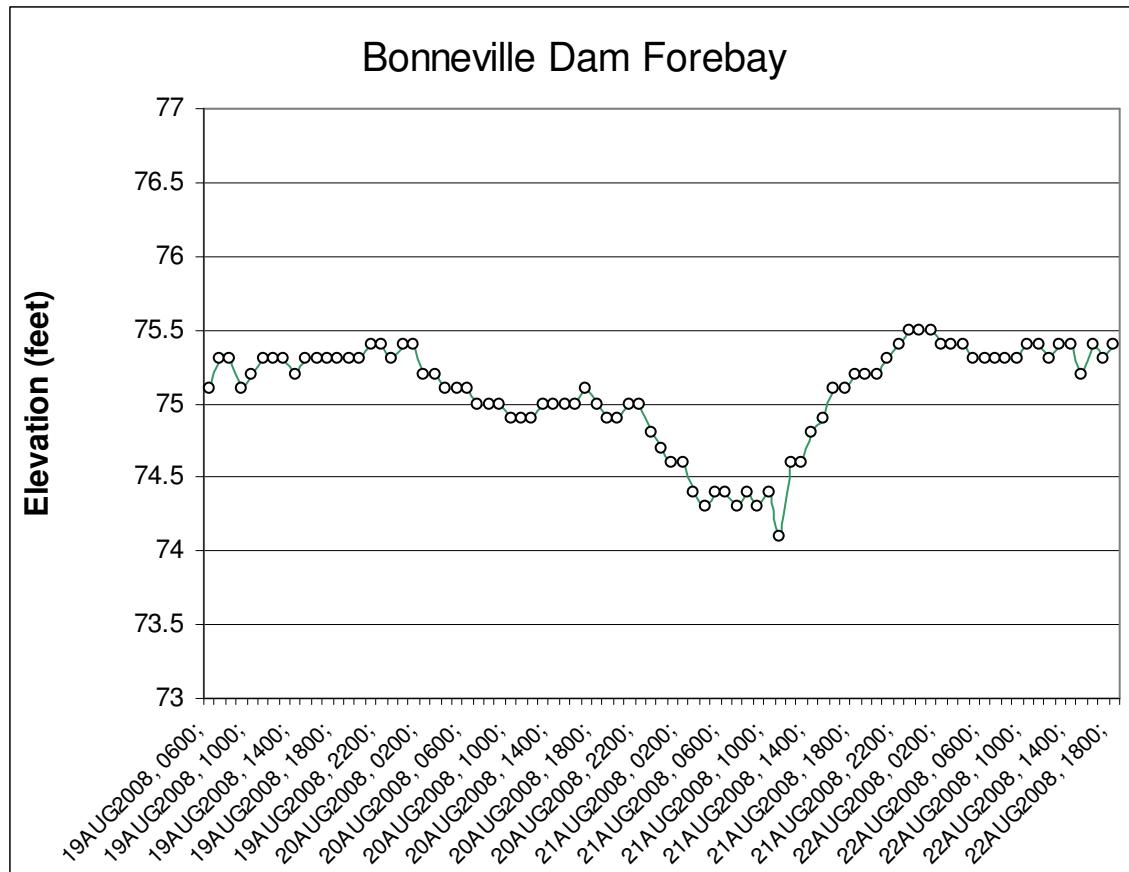


Figure 1. Observed BON pool elevations during August 19-22, 2008 autumn treaty fishing.

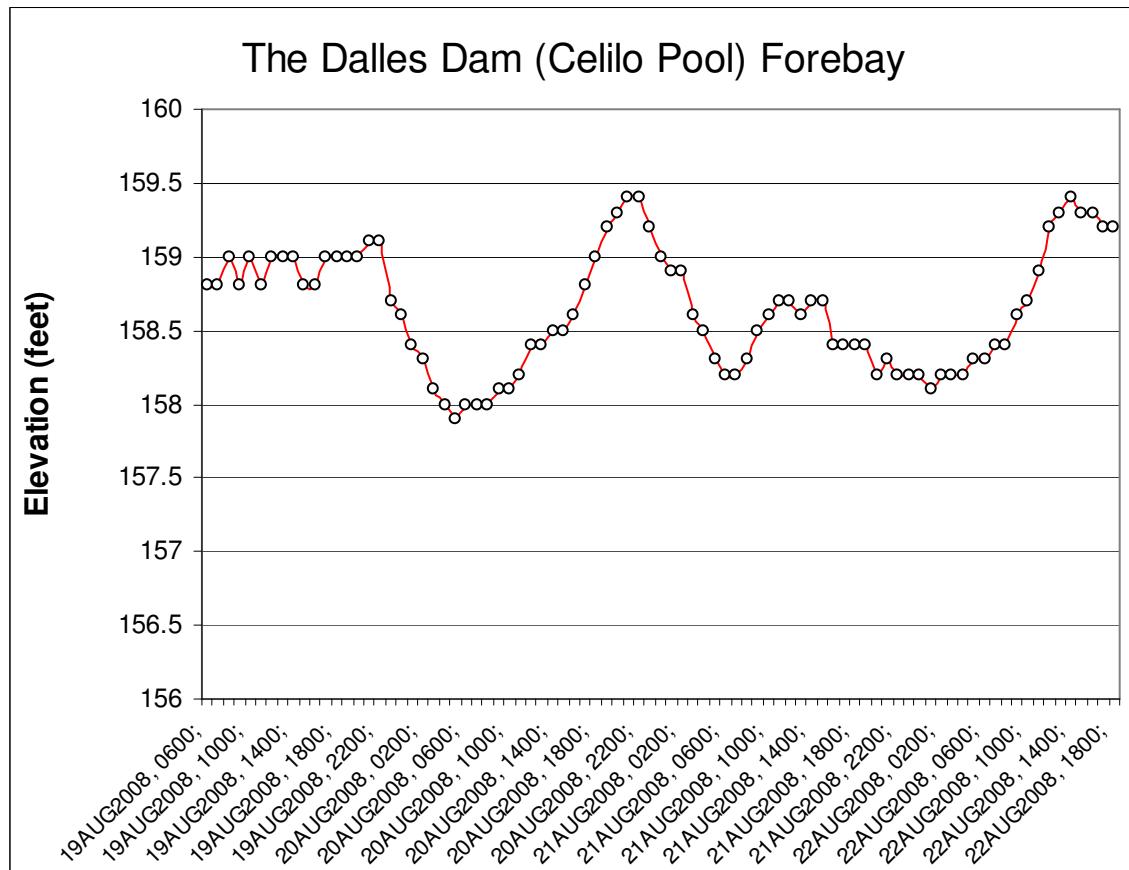


Figure 2. Observed TDA pool elevations during August 19-22, 2008 autumn treaty fishing.

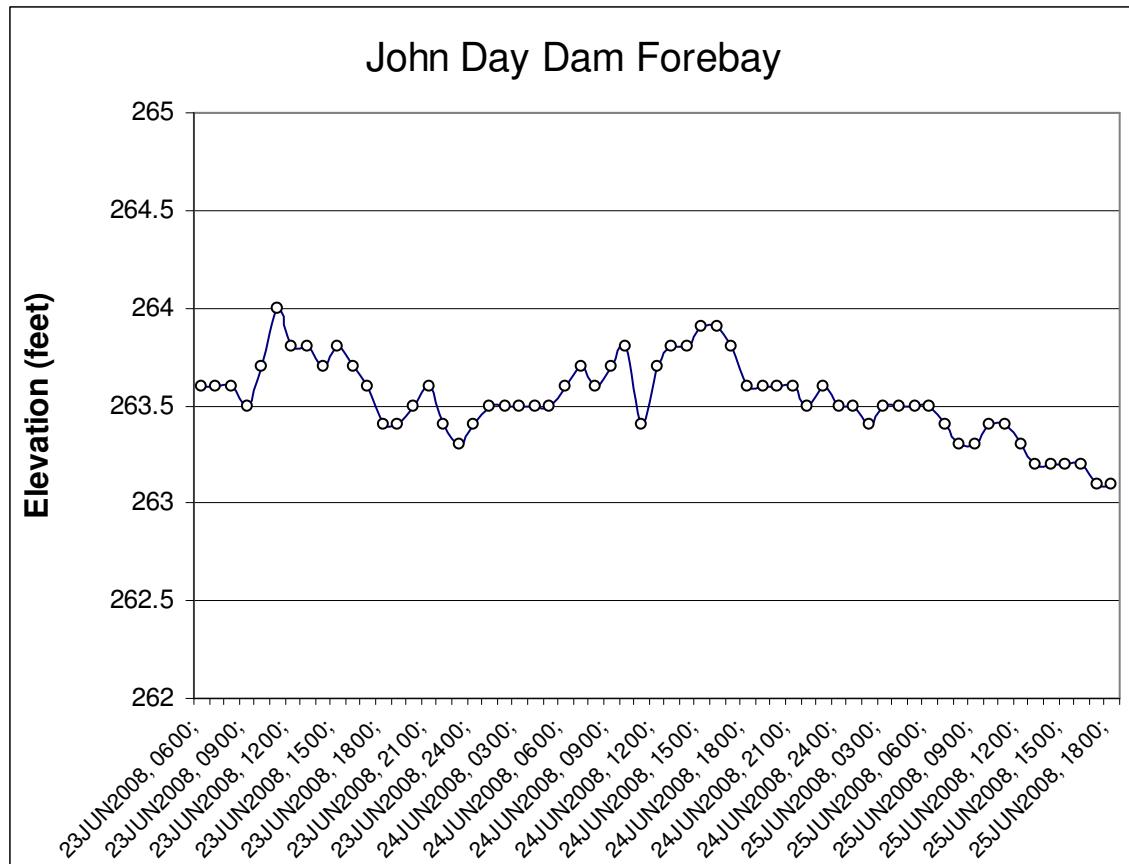


Figure 3. Observed JDA pool elevations during August 19-22, 2008 autumn treaty fishing.

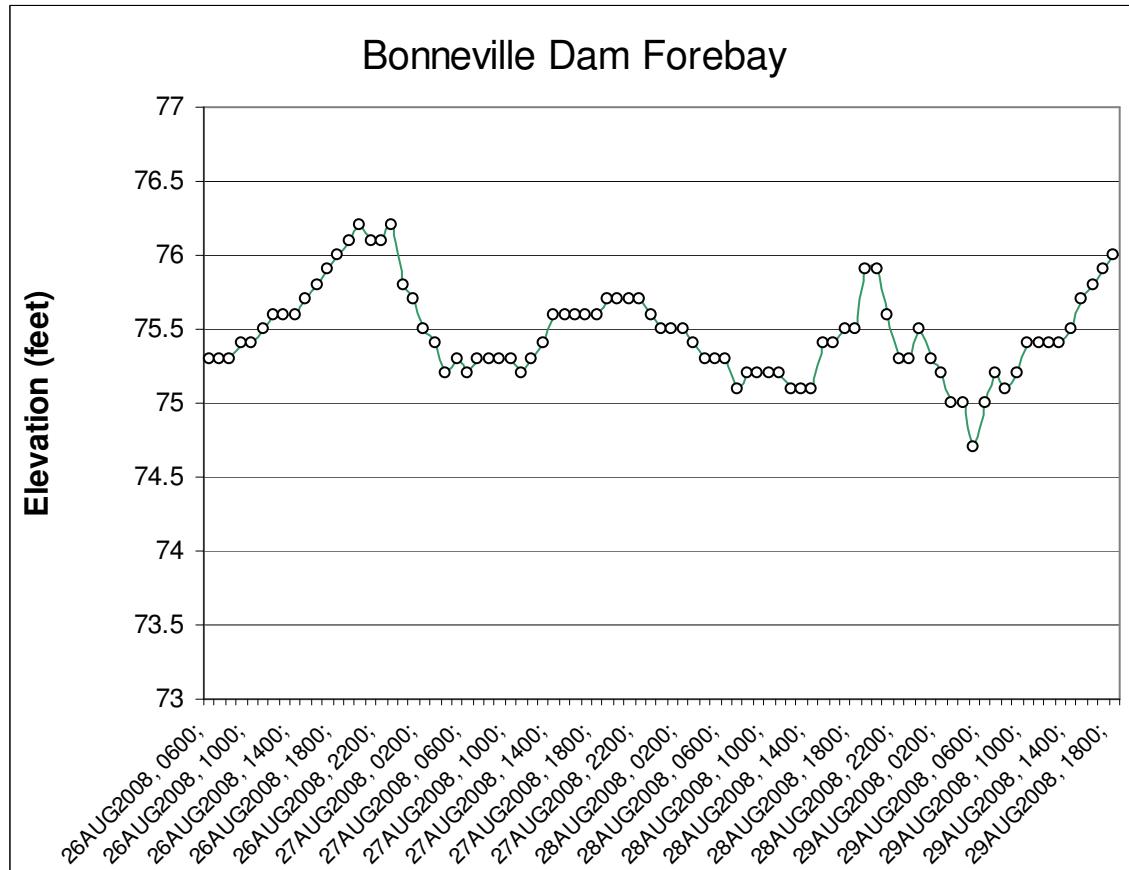


Figure 4. Observed BON pool elevations during August 26-29, 2008 autumn treaty fishing.

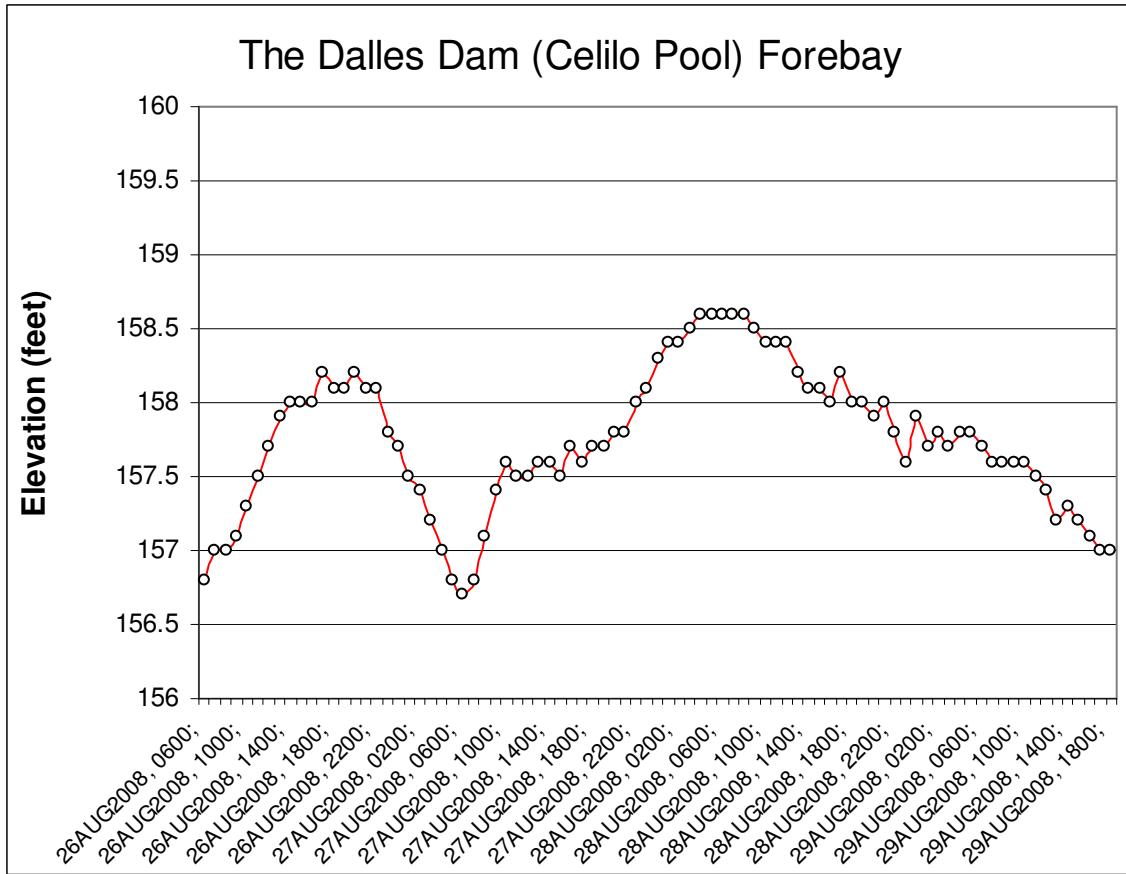


Figure 5. Observed TDA pool elevations during August 26-29, 2008 autumn treaty fishing.

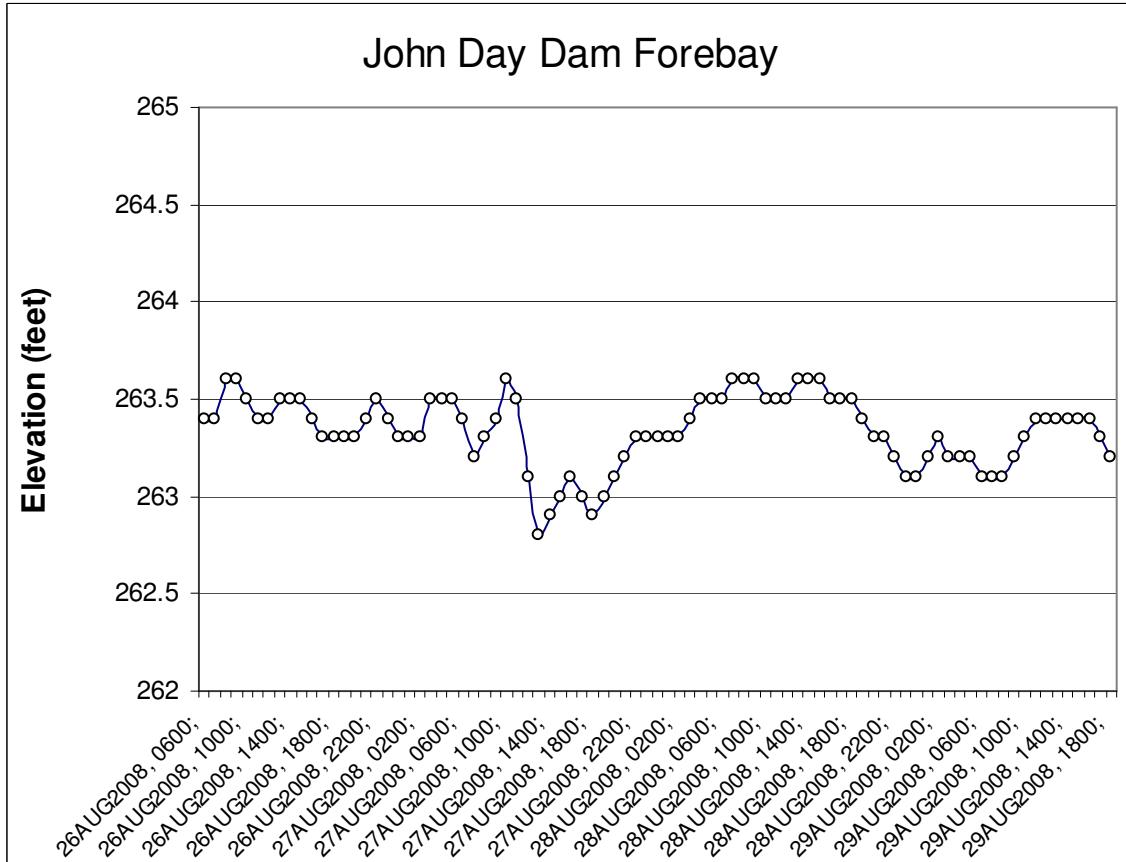


Figure 6. Observed JDA pool elevations during August 26-29, 2008 autumn treaty fishing.

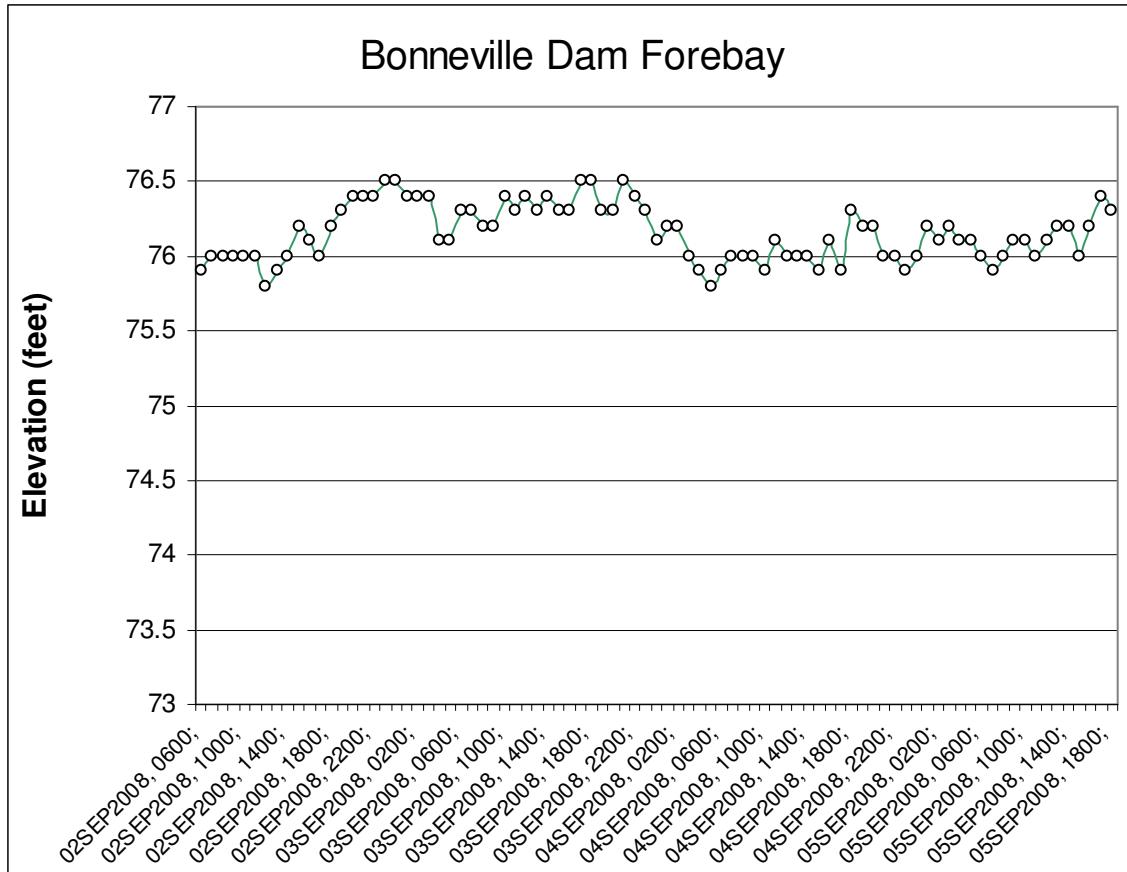


Figure 7. Observed BON pool elevations during September 2-6, 2008 autumn treaty fishing.

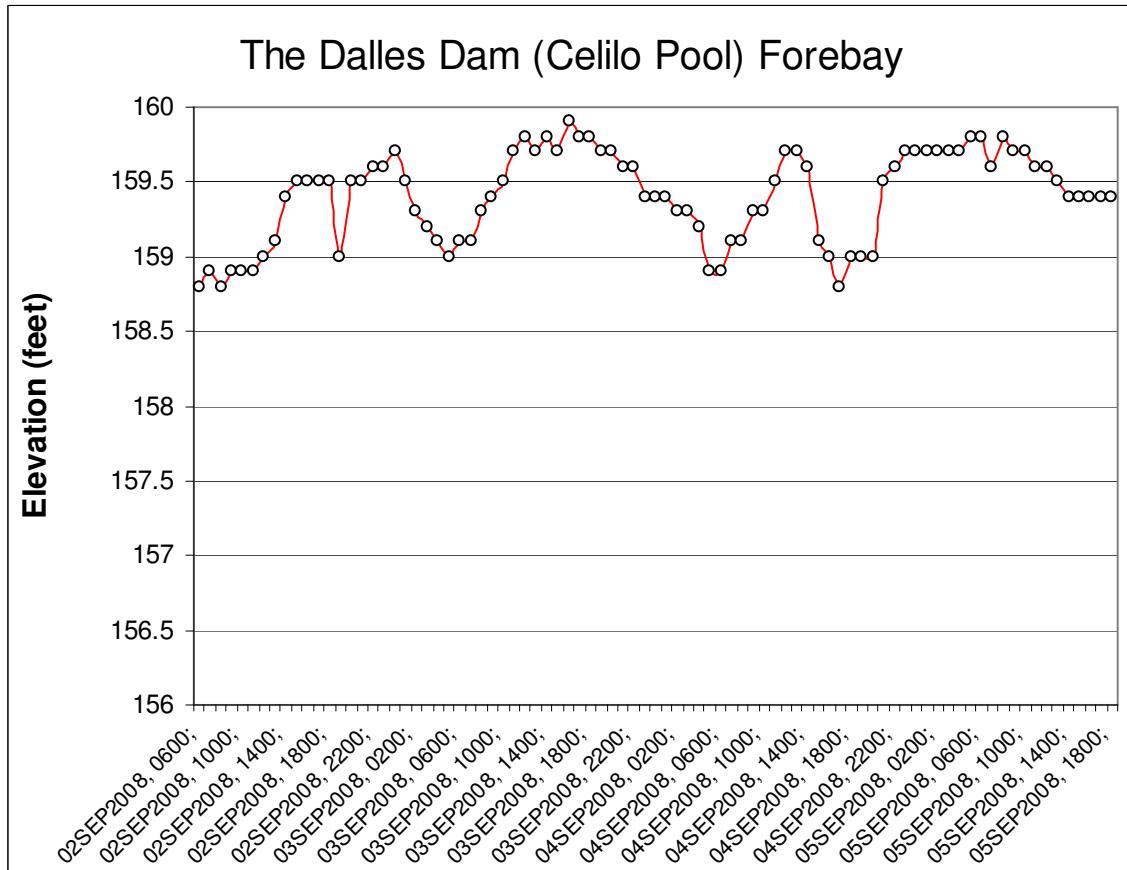


Figure 8. Observed TDA pool elevations during September 2-6, 2008 autumn treaty fishing.

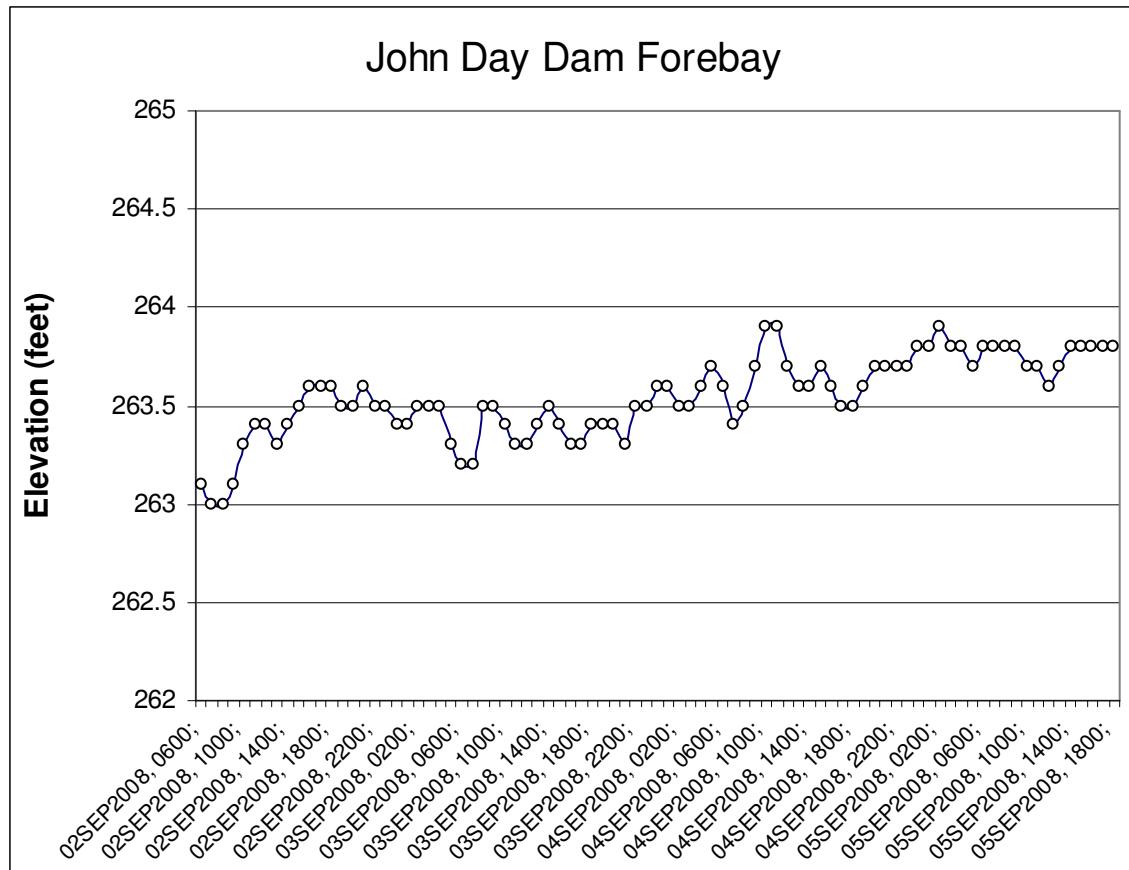


Figure 9. Observed JDA pool elevations during September 2-6, 2008 autumn treaty fishing.

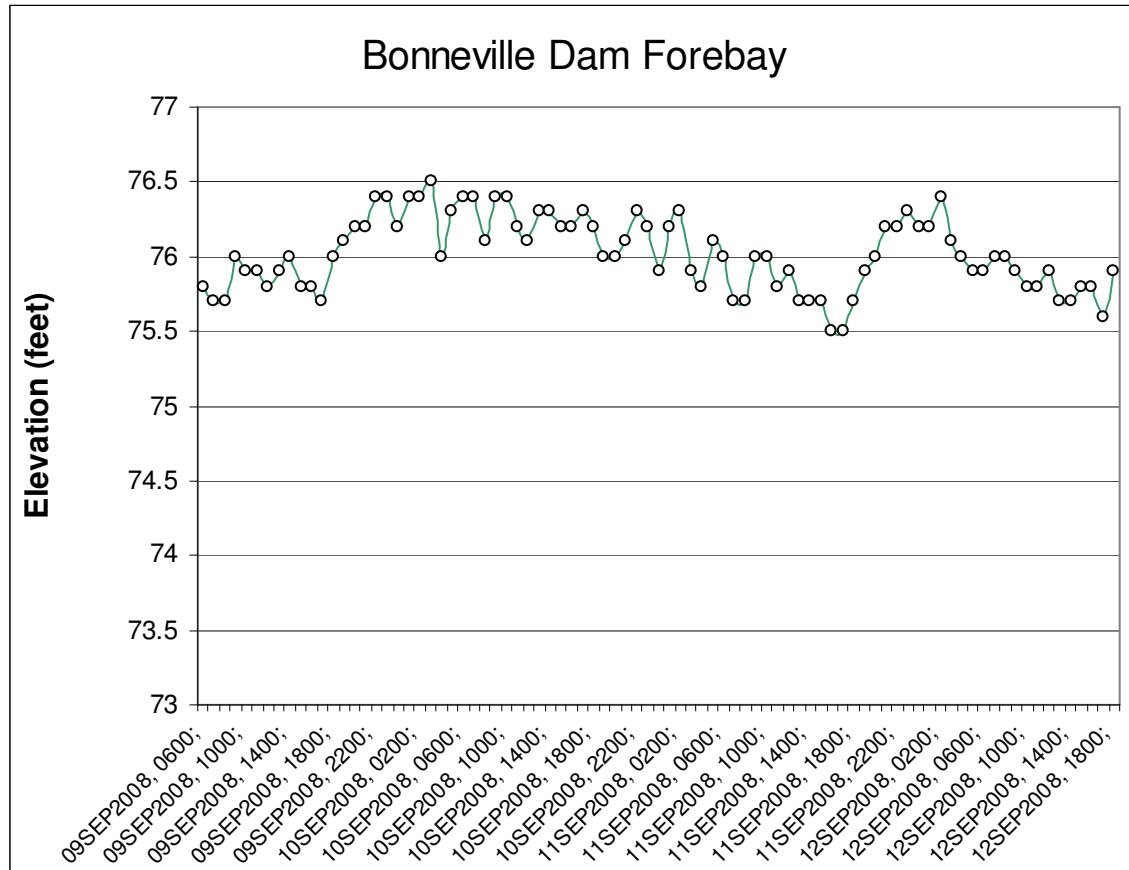


Figure 10. Observed BON pool elevations during September 9-12, 2008 autumn treaty fishing.

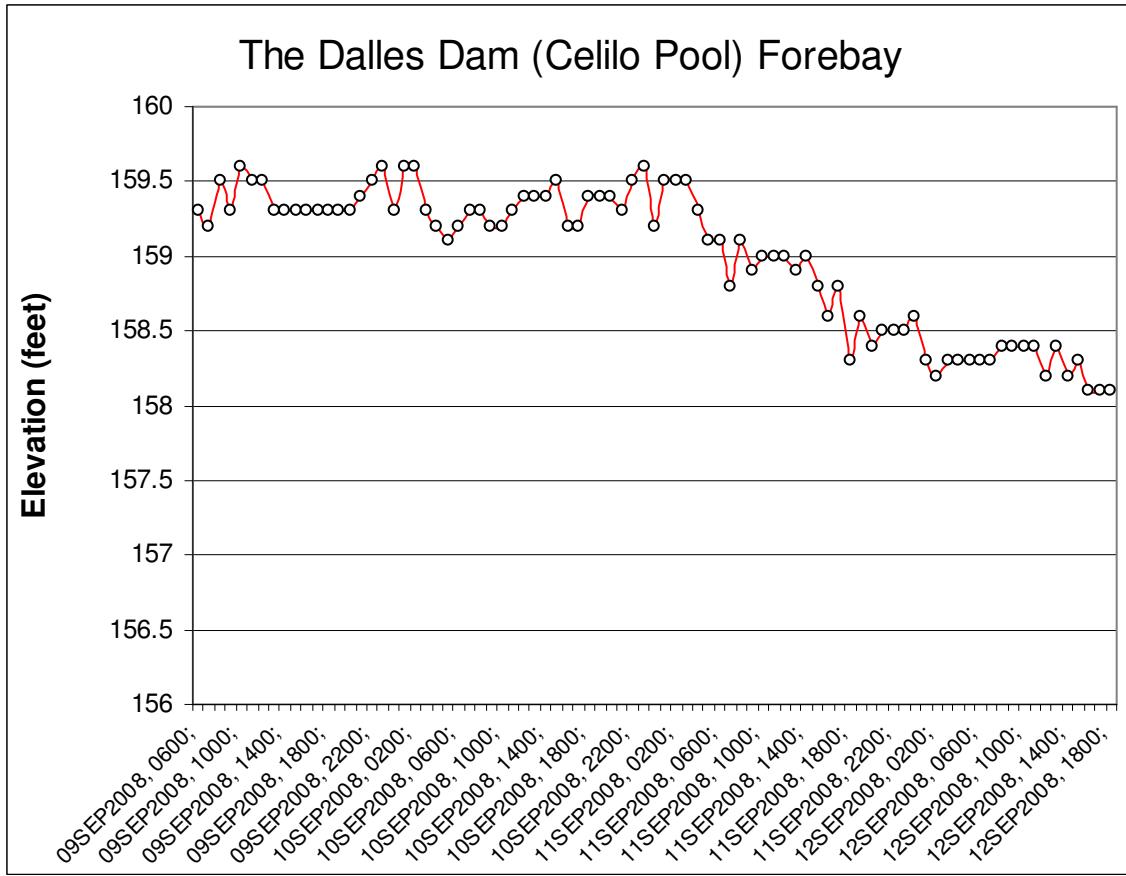


Figure 11. Observed TDA pool elevations during September 9-12, 2008 autumn treaty fishing.

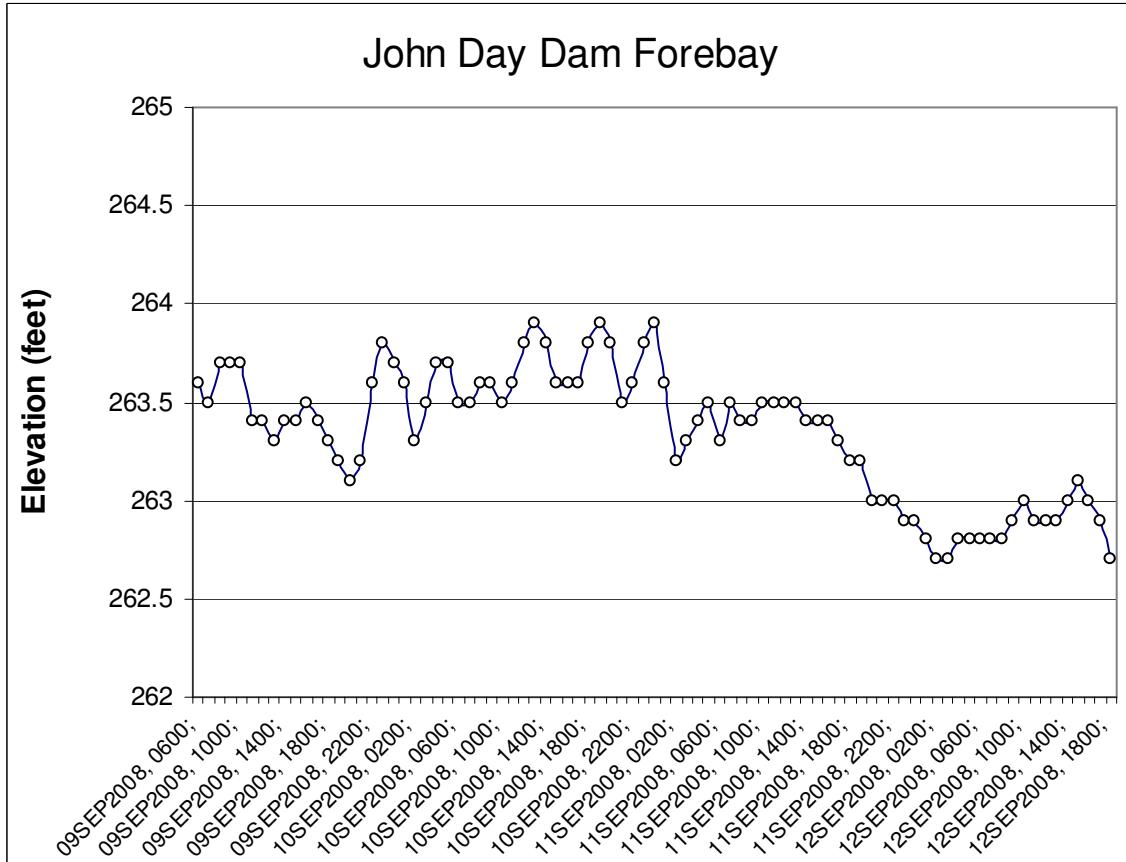


Figure 12. Observed JDA pool elevations during September 9-12, 2008 autumn treaty fishing.

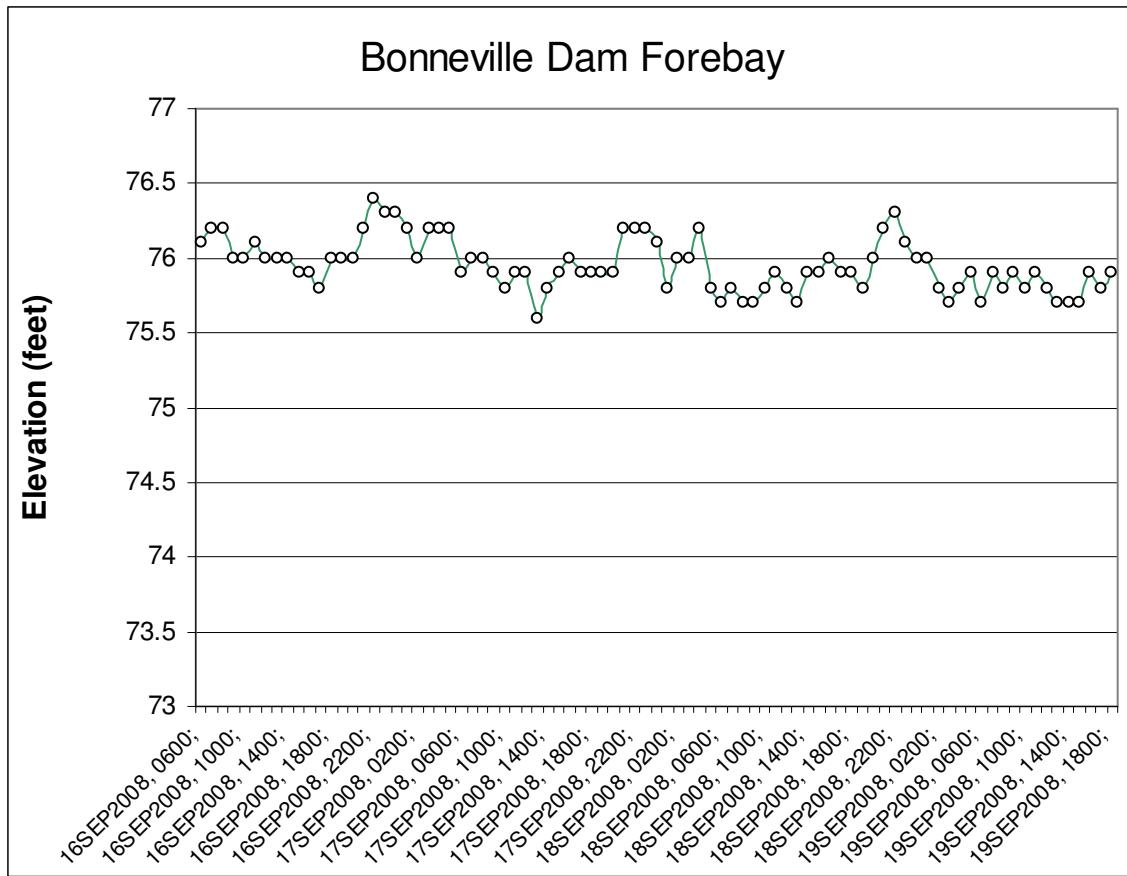


Figure 13. Observed BON pool elevations during September 16-19, 2008 autumn treaty fishing.

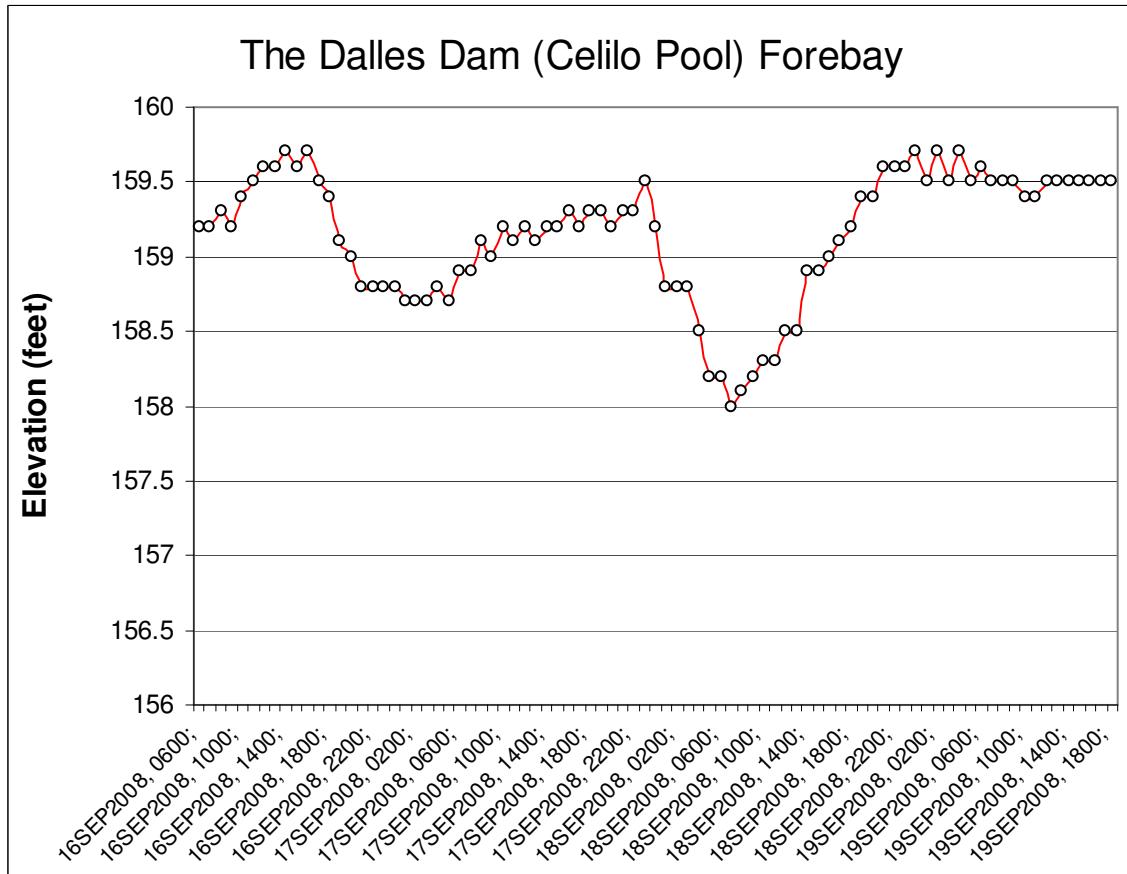


Figure 14. Observed TDA pool elevations during September 16-19, 2008 autumn treaty fishing.

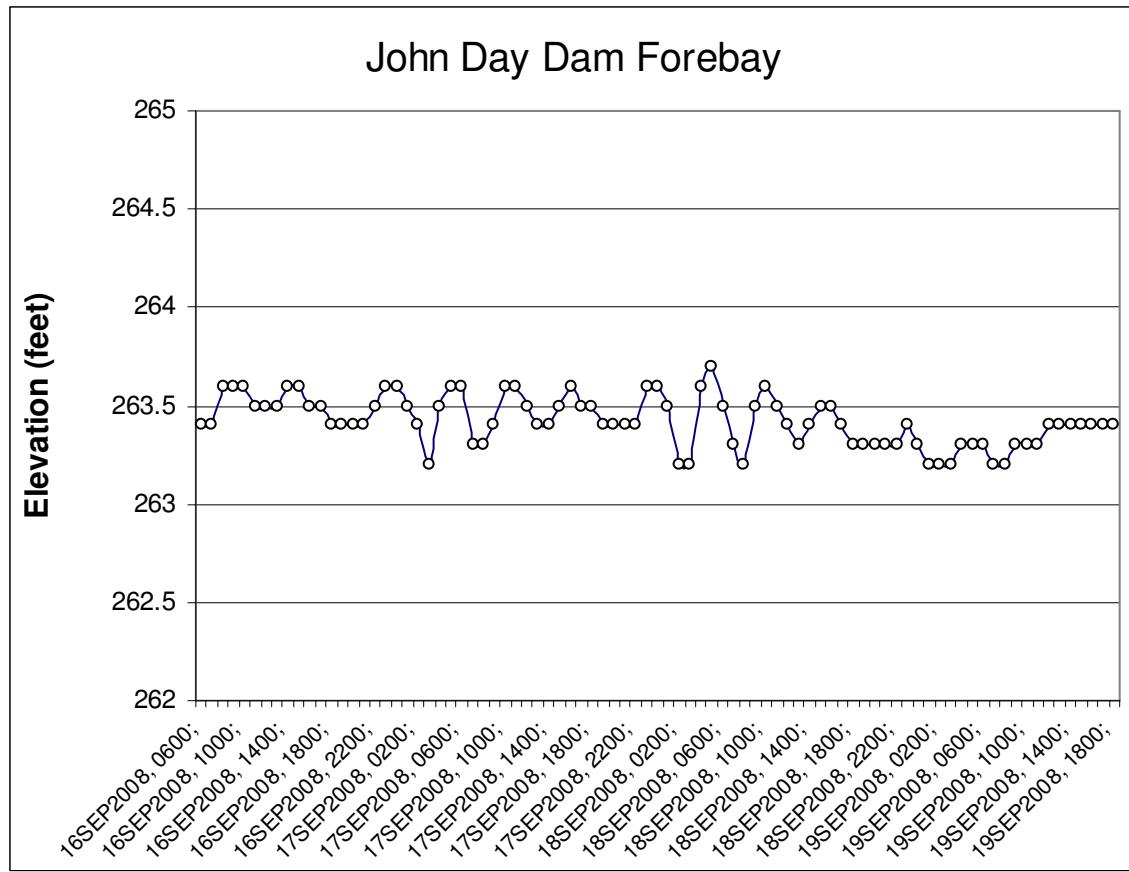


Figure 15. Observed JDA pool elevations during September 16-19, 2008 autumn treaty fishing.

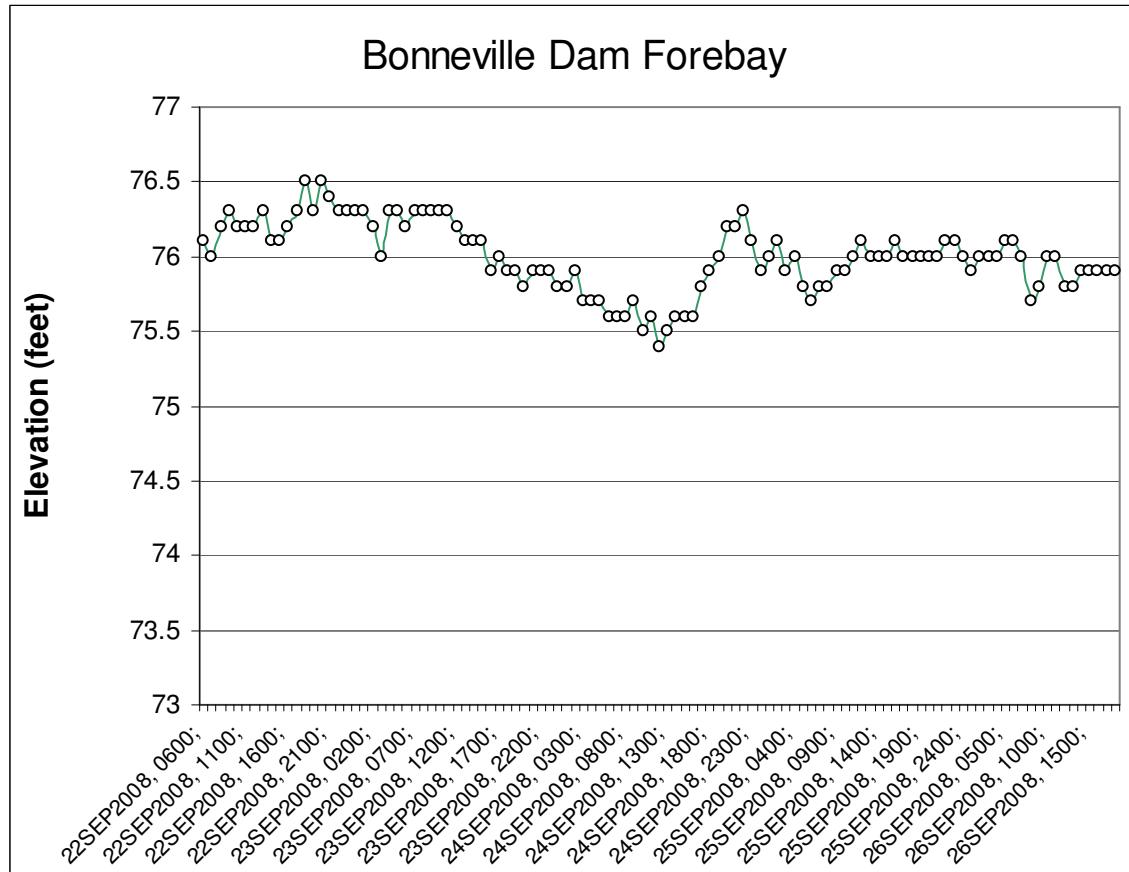


Figure 16. Observed BON pool elevations during September 22-26, 2008 autumn treaty fishing.

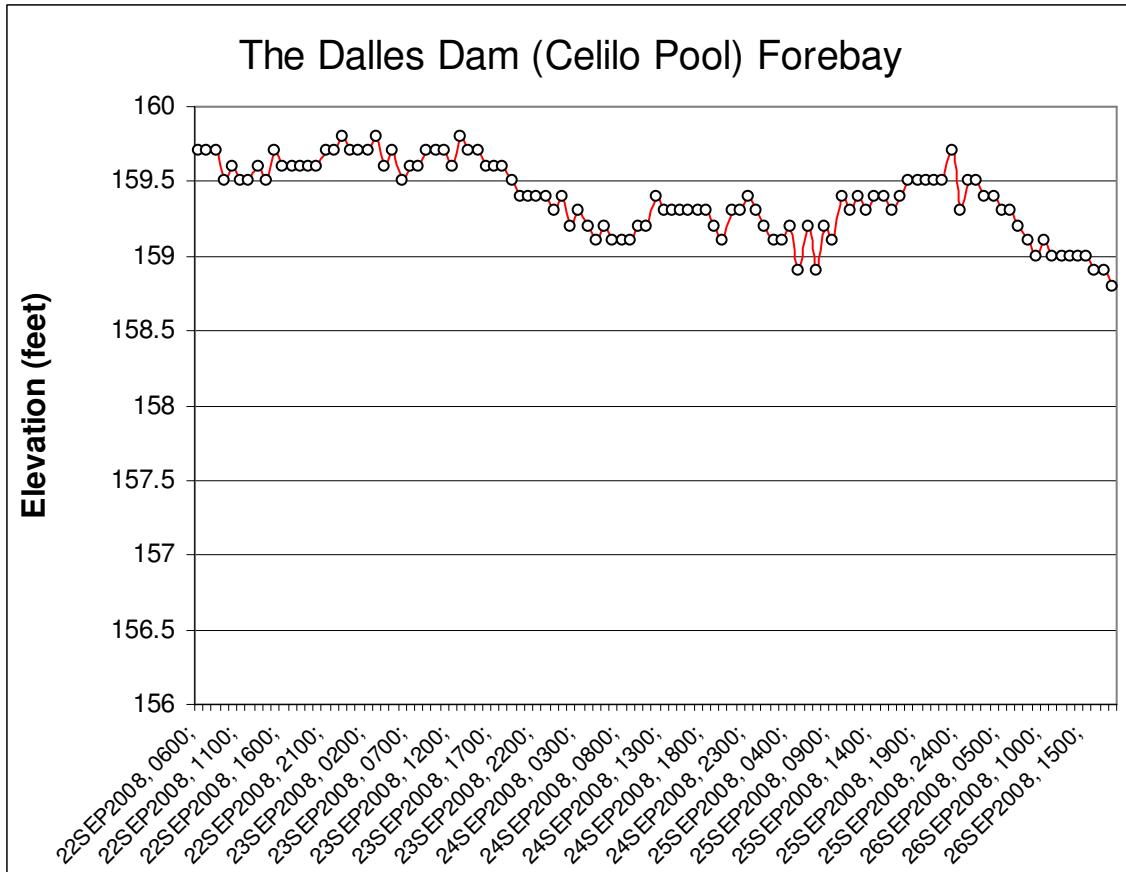


Figure 17. Observed TDA pool elevations during September 22-26, 2008 autumn treaty fishing.

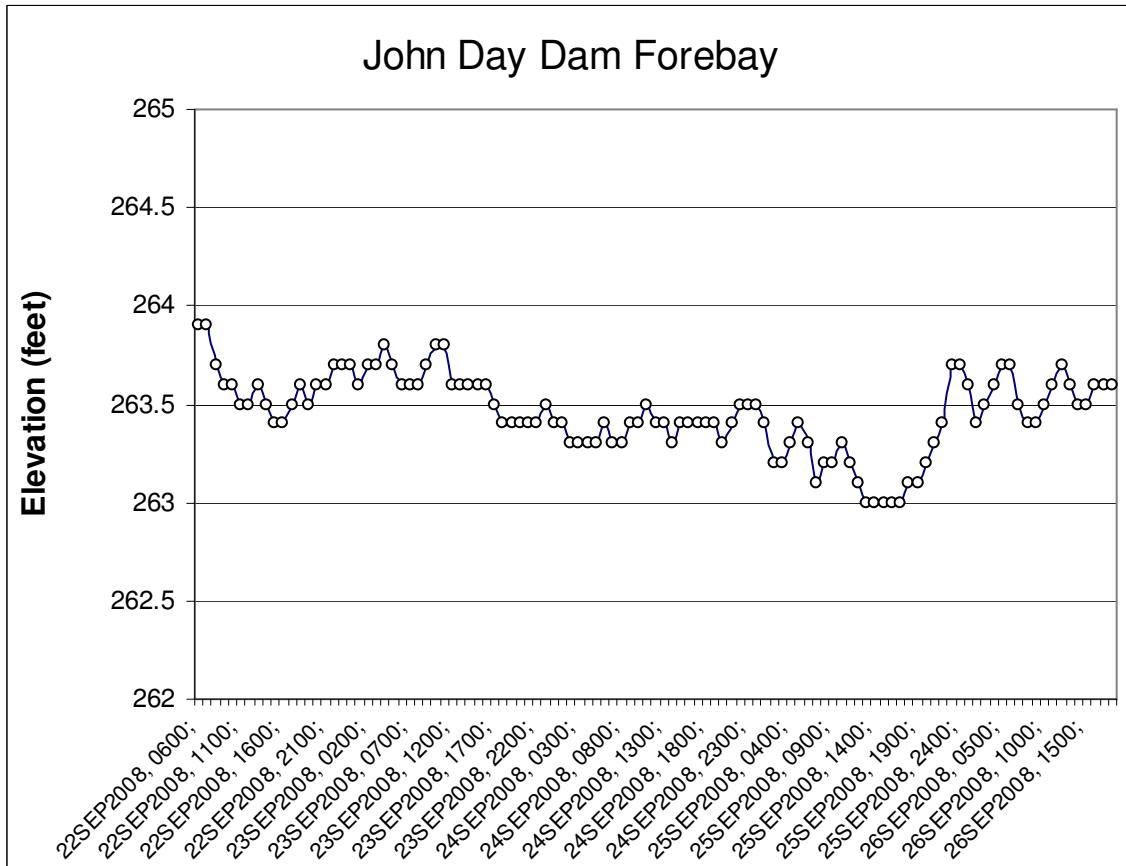


Figure 18. Observed JDA pool elevations during September 2-6, 2008 autumn treaty fishing.

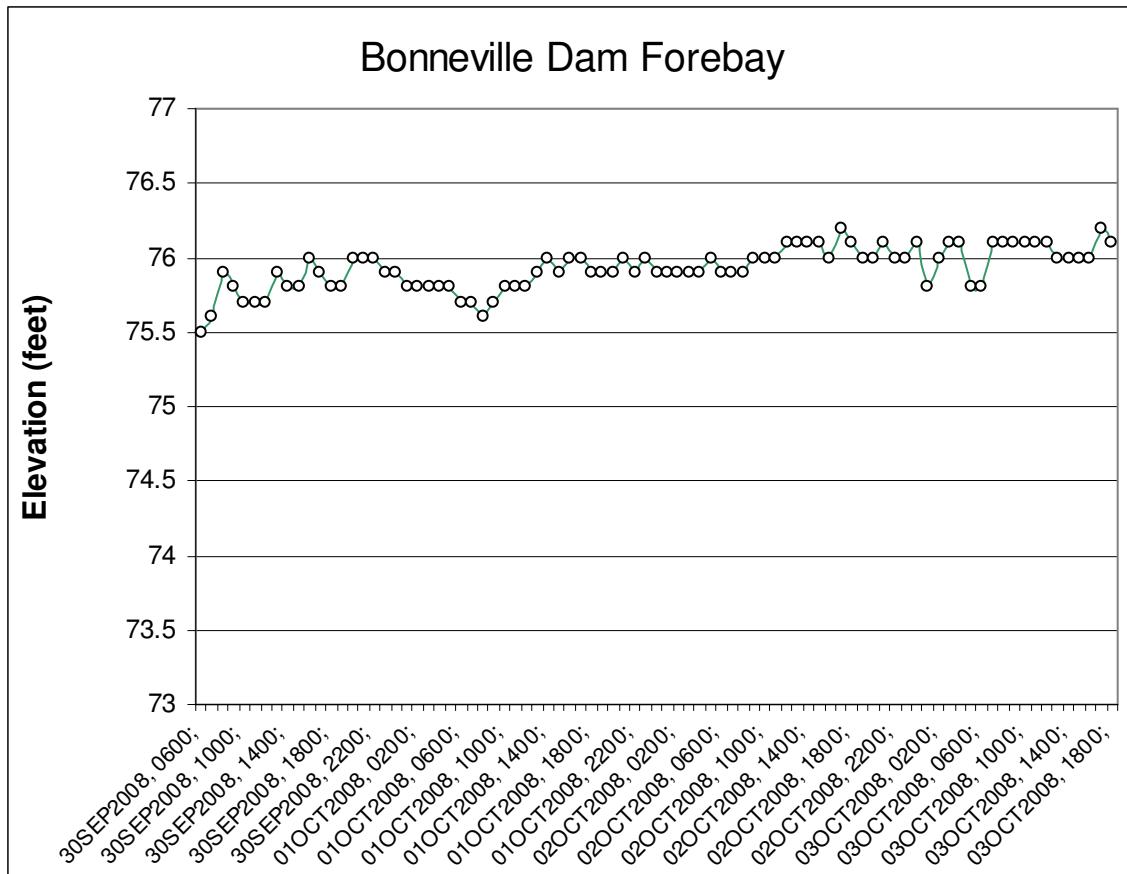


Figure 19. Observed BON pool elevations during Sept. 30-Oct. 3, 2008 autumn treaty fishing.

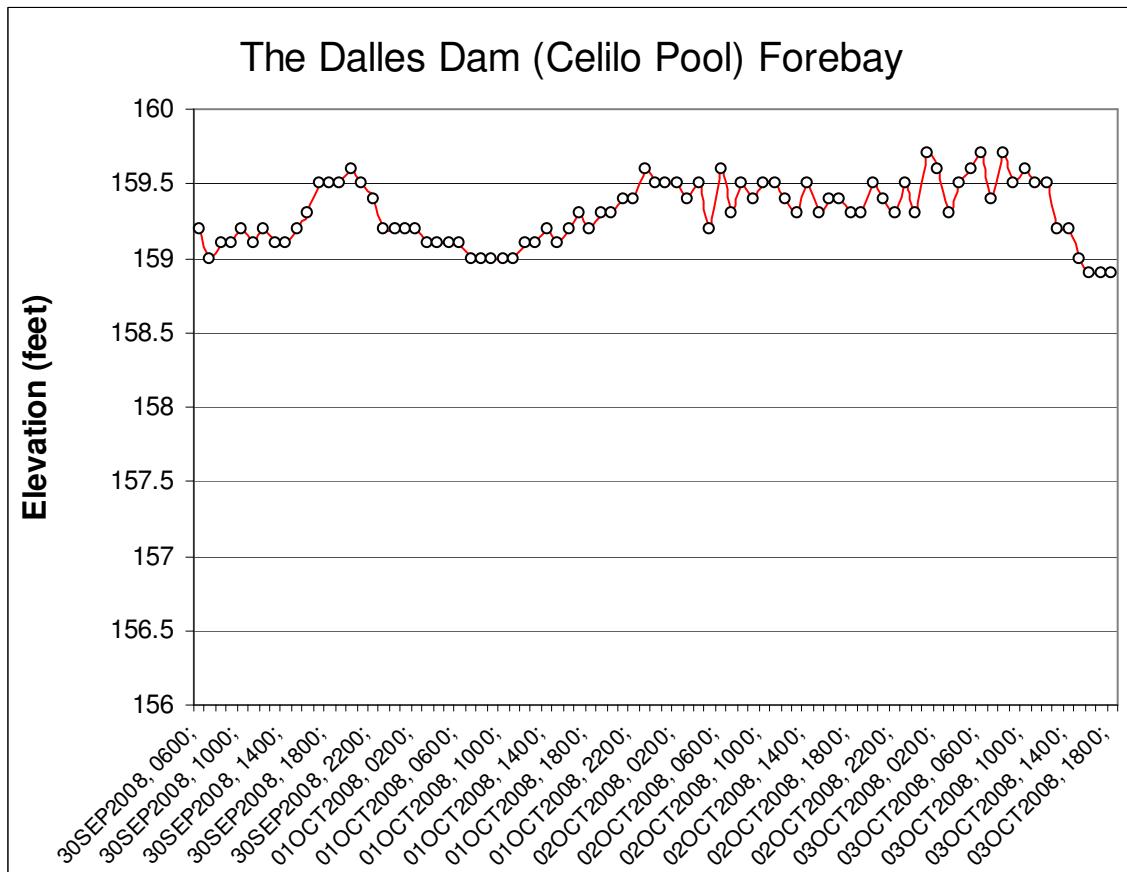


Figure 20. Observed TDA pool elevations during Sept. 30-Oct. 3, 2008 autumn treaty fishing.

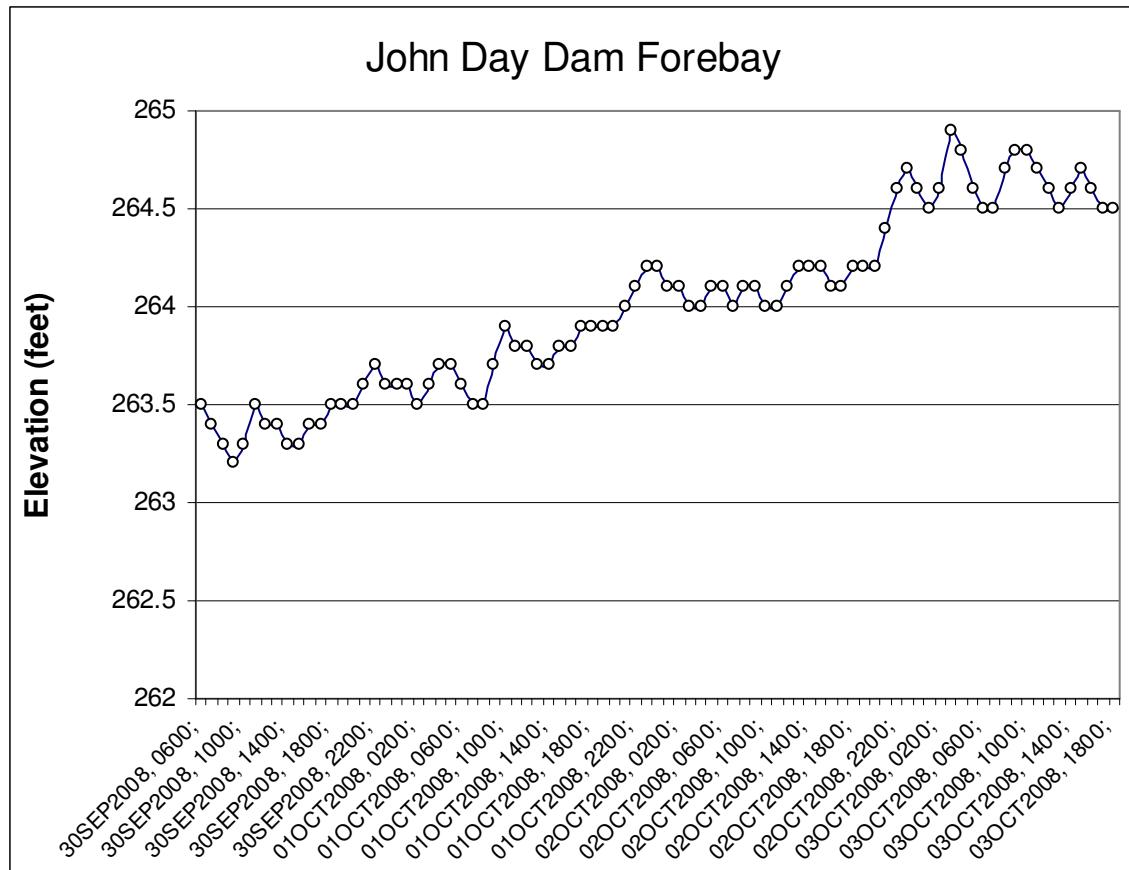


Figure 21. Observed JDA pool elevations during Sept. 30-Oct. 3, 2008 autumn treaty fishing.

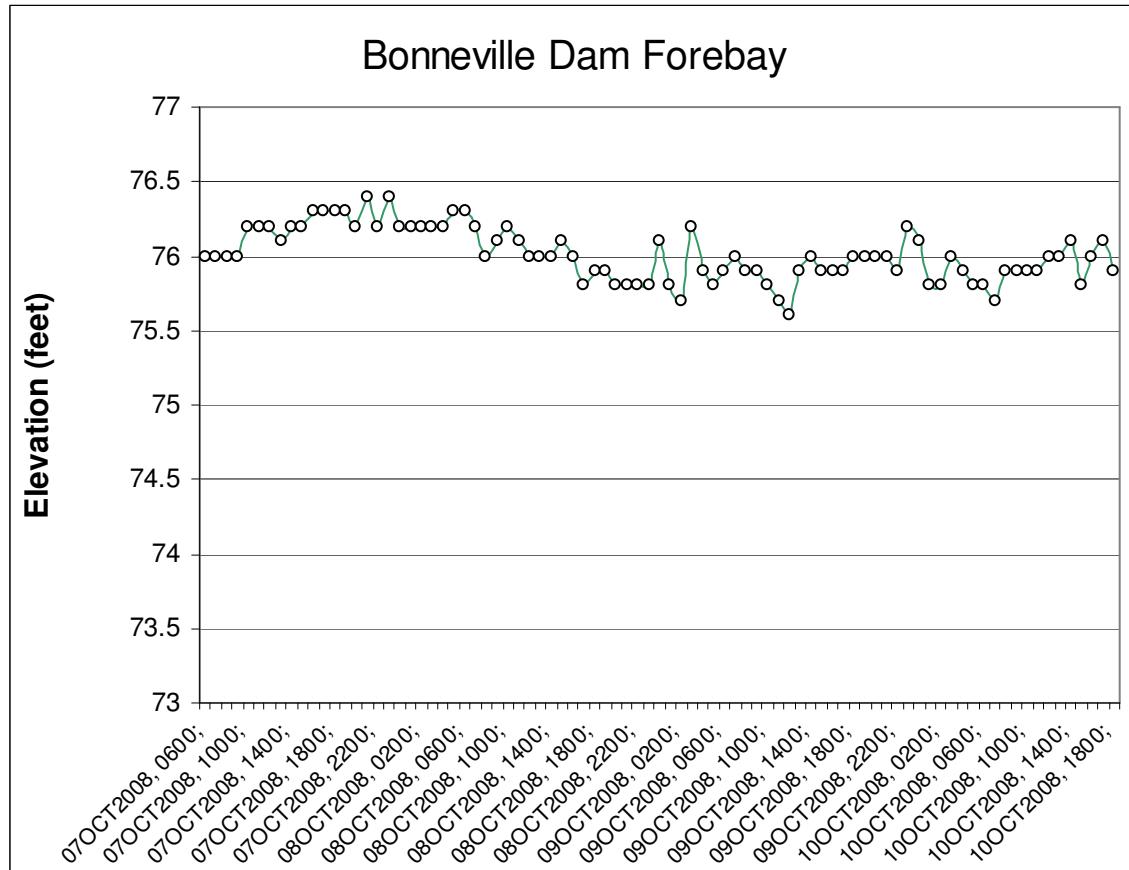


Figure 22. Observed BON pool elevations during October 7-10, 2008 autumn treaty fishing.

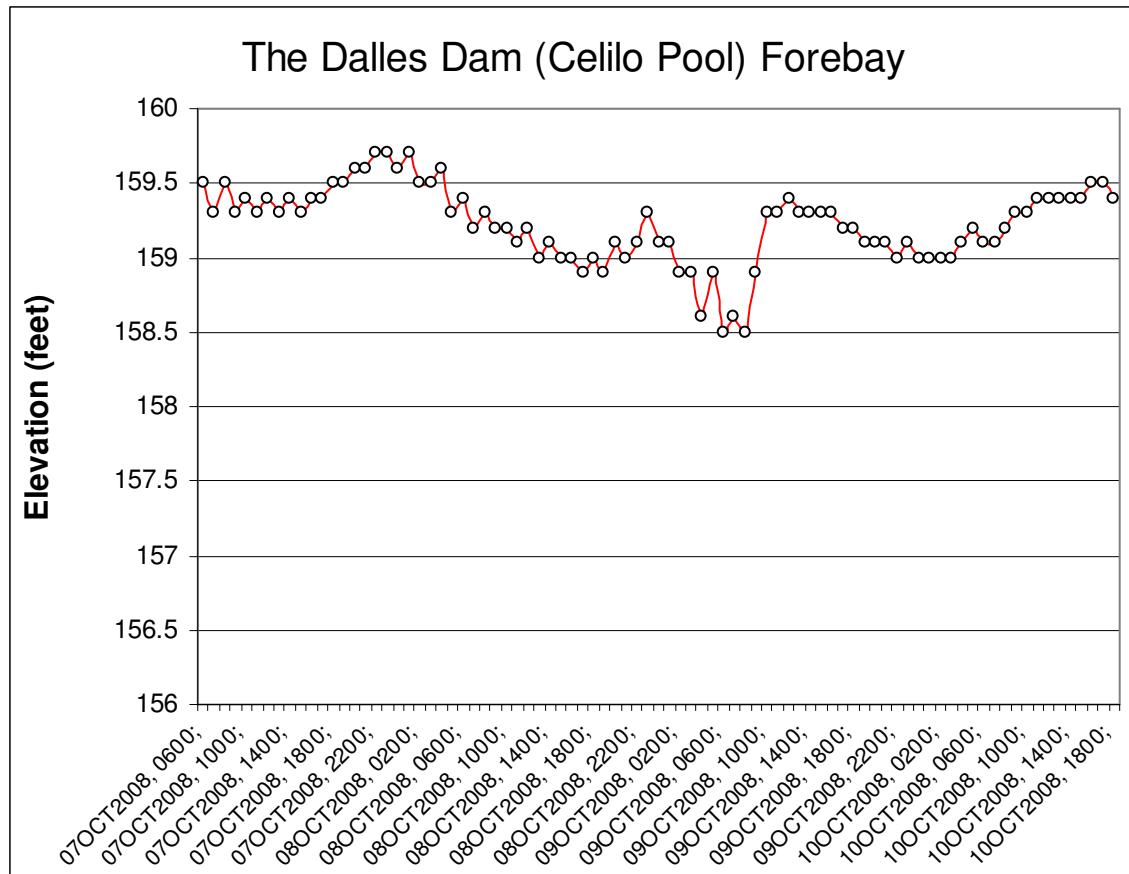


Figure 23. Observed TDA pool elevations during October 7-10, 2008 autumn treaty fishing.

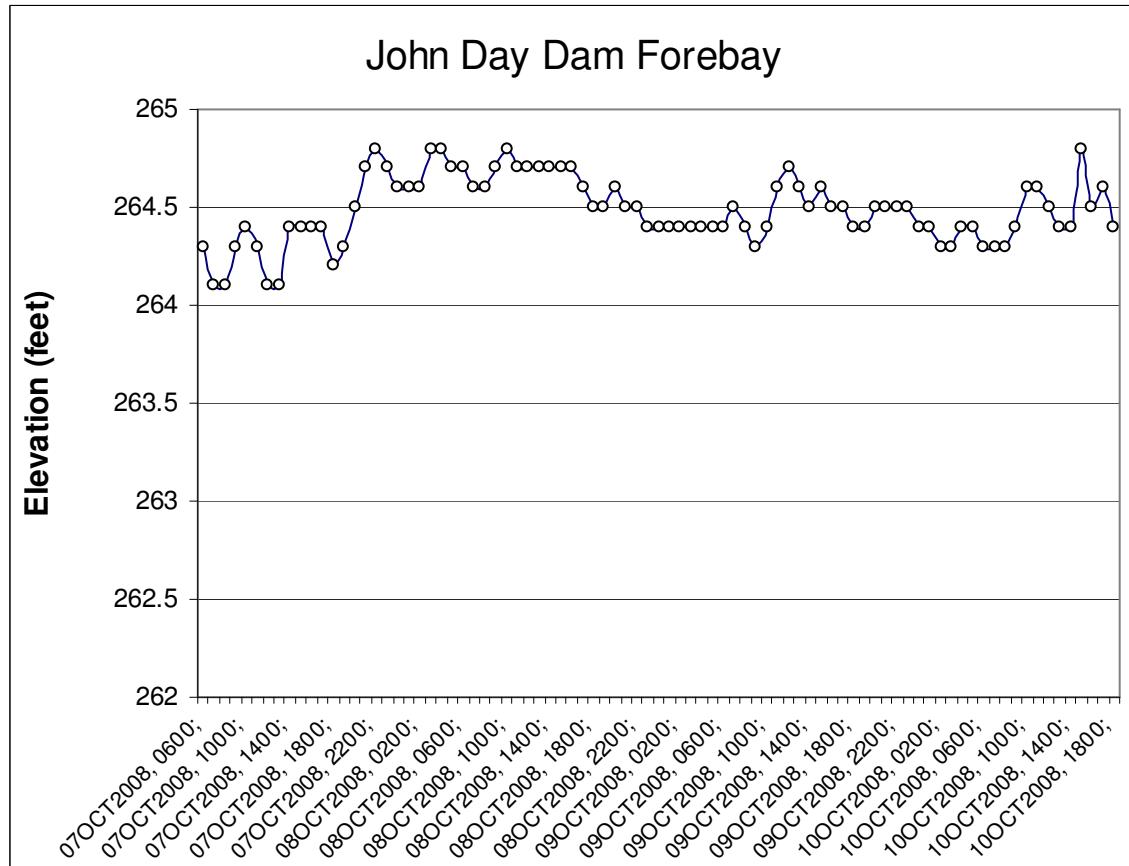


Figure 24. Observed JDA pool elevations during October 7-10, 2008 autumn treaty fishing