



## COLUMBIA RIVER INTER-TRIBAL FISH COMMISSION

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TO: Technical Management Team (TMT)  
FROM: Kyle Dittmer, *Hydrologist - Meteorologist*, CRITFC Hydro Program  
DATE: August 13, 2008  
SUBJECT: Summary of Pool Operations – 2008 Summer Treaty Fishery

CRITFC submitted four System Operation Requests (2008-C2 to C5) via the NMFS' TMT forum to support 2008 summer 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. Even though compliance levels were slightly less than achieved in 2007, we appreciate the Corps' efforts in coming close to meeting their stated criteria.

| 2008                   | Bonneville Pool | The Dalles Pool | John Day pool |
|------------------------|-----------------|-----------------|---------------|
| 1 foot range (CRITFC): |                 |                 |               |
| JUNE 23 - 25           | 77%             | 92%             | 100%          |
| JULY 1 - 3             | 92%             | 67%             | 100%          |
| JULY 8 - 10            | 84%             | 74%             | 100%          |
| JULY 15 - 17           | 85%             | 66%             | 100%          |
| JULY 22 - 24           | 80%             | 80%             | 95%           |
| JULY 28 - 31           | 80%             | 82%             | 100%          |
| average:               | <b>83%</b>      | <b>77%</b>      | <b>99%</b>    |
| 2007 average:          | 90%             | 84%             | 100%          |
| 1.5 foot range (COE):  |                 |                 |               |
| JUNE 23 - 25           | 100%            | 100%            | 100%          |
| JULY 1 - 3             | 100%            | 90%             | 100%          |
| JULY 8 - 10            | 98%             | 92%             | 100%          |
| JULY 15 - 17           | 100%            | 90%             | 100%          |
| JULY 22 - 24           | 100%            | 93%             | 100%          |
| JULY 28 - 31           | 100%            | 82%             | 100%          |
| average:               | <b>100%</b>     | <b>91%</b>      | <b>100%</b>   |
| 2007 average:          | 100%            | 95%             | 100%          |

Pool elevation data is a good objective measure as to the absolute pool fluctuations (Criterion #2) as shown in Figures 1 through 18. The Bonneville pool saw 0.2 – 1.5 foot swings (compared to 0.5 – 1.1 foot swings in summer 2007). The Dalles pool saw 0.2 – 2.0 foot swings (compared to 0.5 – 2.0 foot swings in summer 2007). John Day pool saw 0.1 – 0.9 foot swings (compared to 0.4 – 0.8 foot swings in summer 2007). The fishing effort was focused in the Bonneville and John Day pools. Tribal fishers harvested (preliminary) 9000 summer chinook and 9000 sockeye.

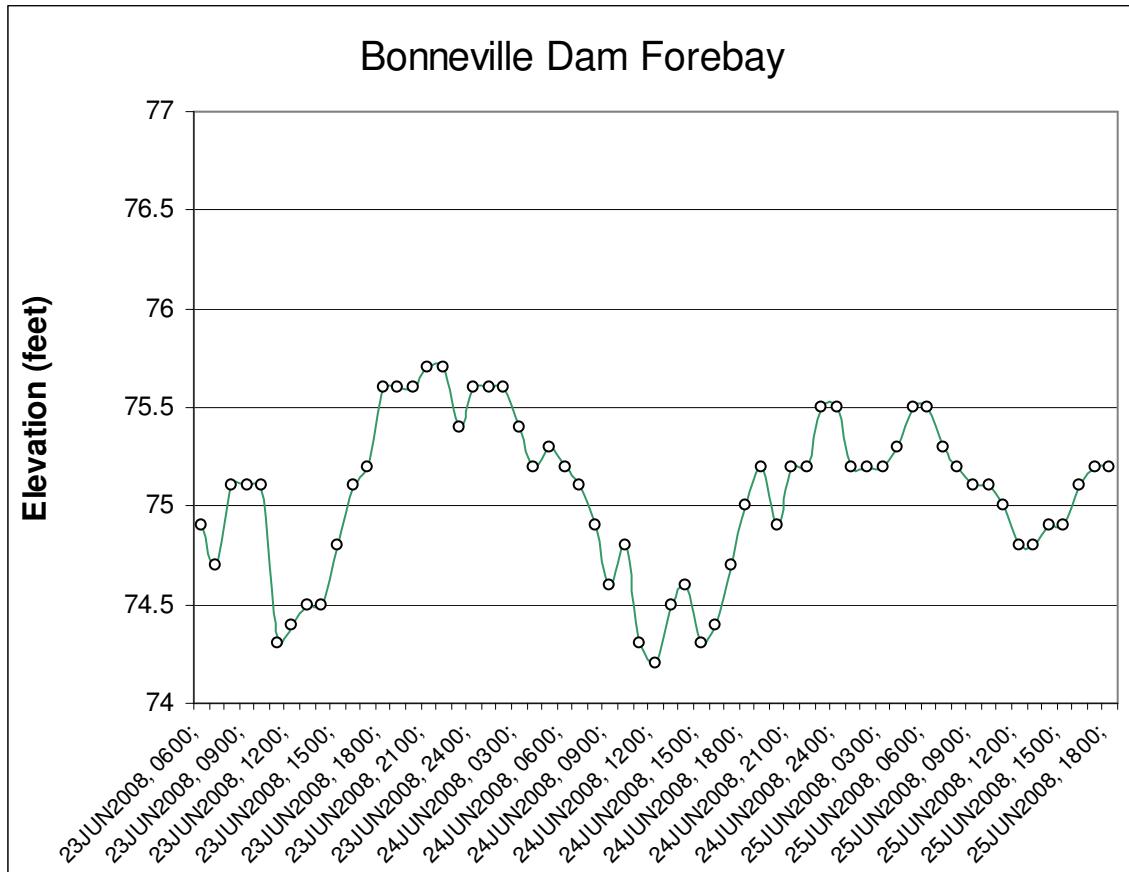


Figure 1. Observed BON pool elevations during June 23-25, 2008 summer treaty fishing.

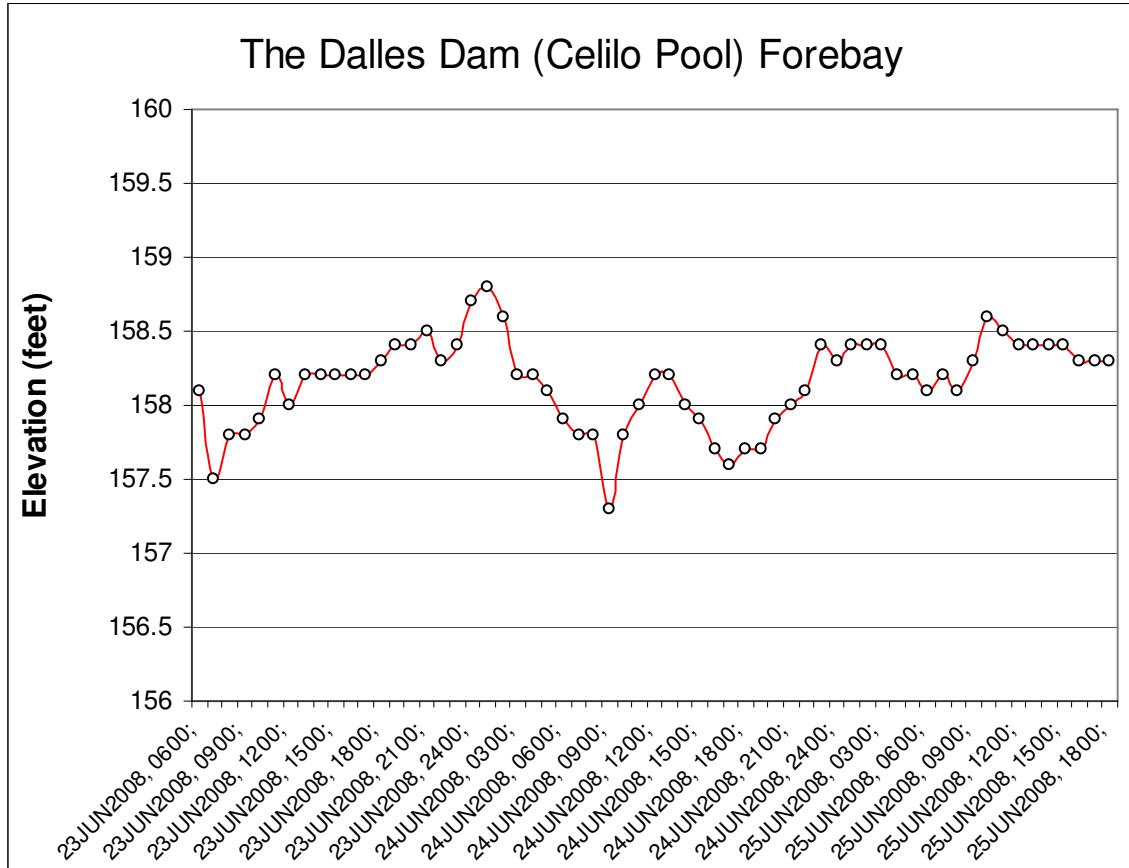


Figure 2. Observed TDA pool elevations during June 23-25, 2008 summer treaty fishing.

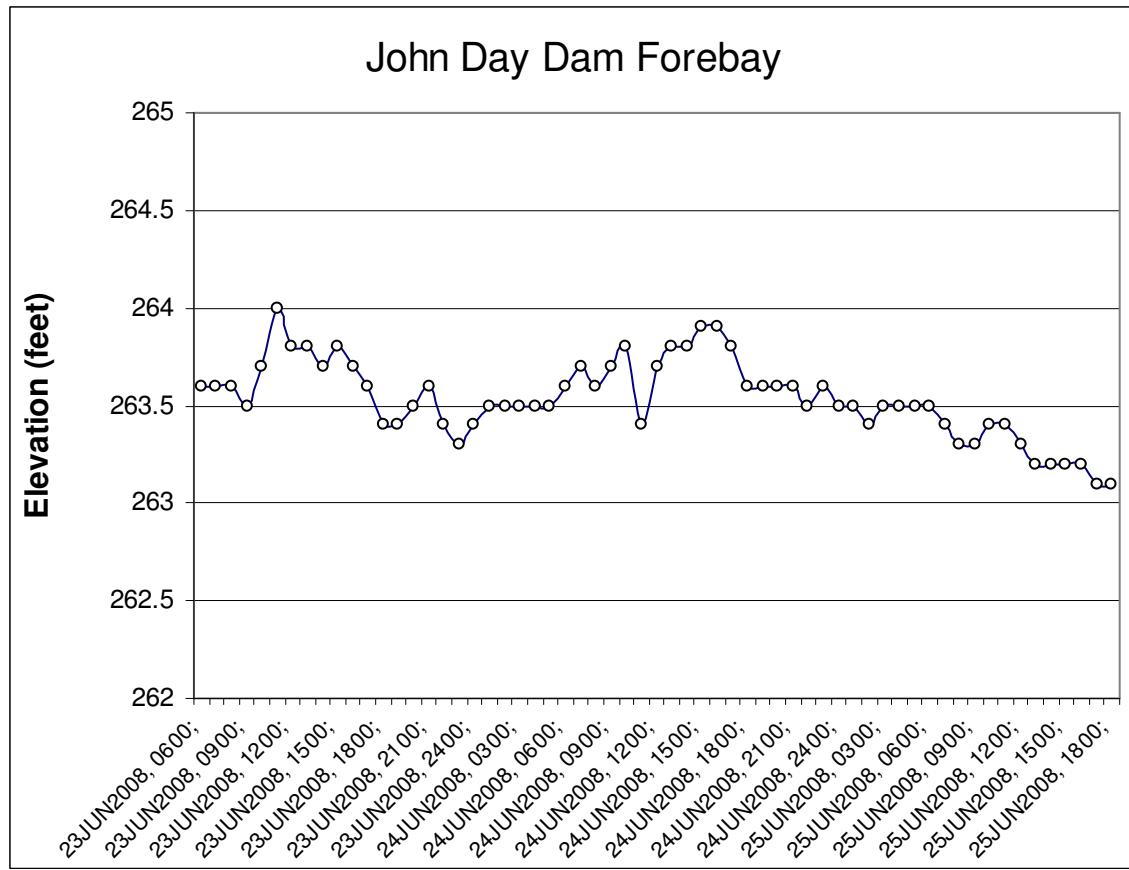


Figure 3. Observed JDA pool elevations during June 23-25, 2008 summer treaty fishing.

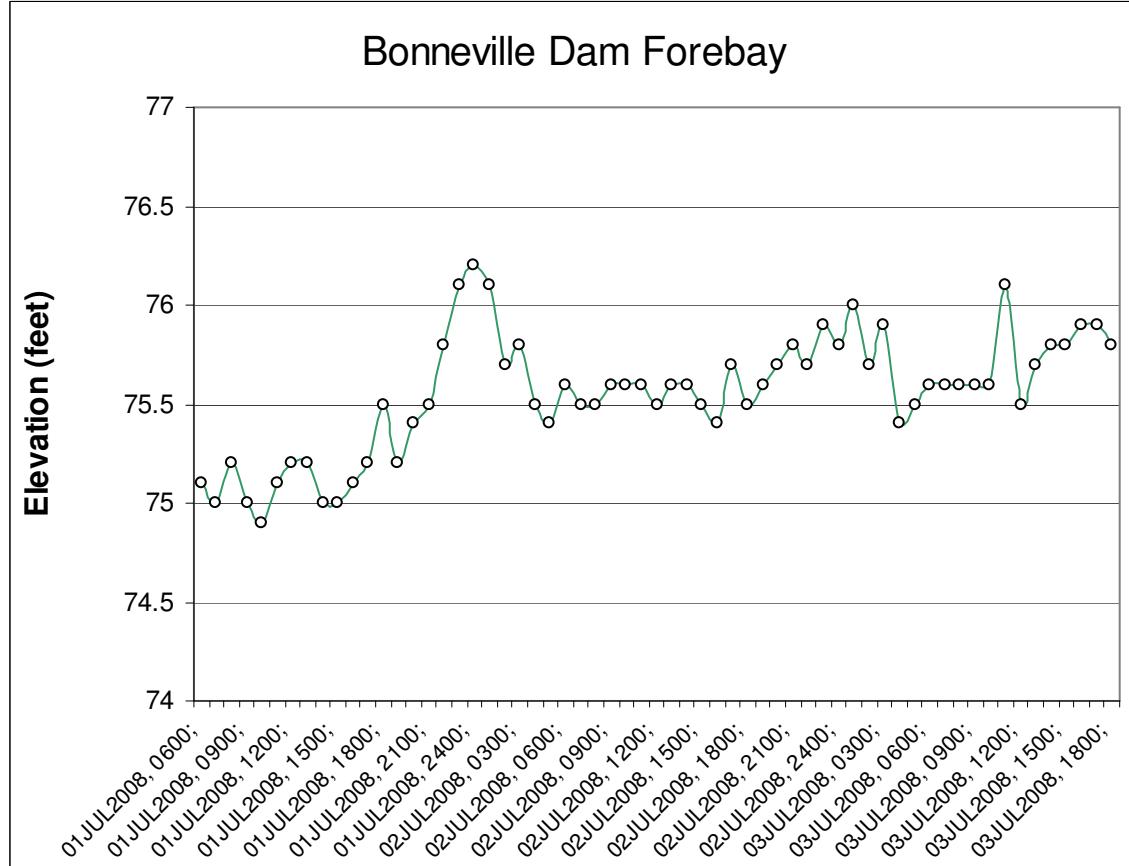


Figure 4. Observed BON pool elevations during July 1-3, 2008 summer treaty fishing.

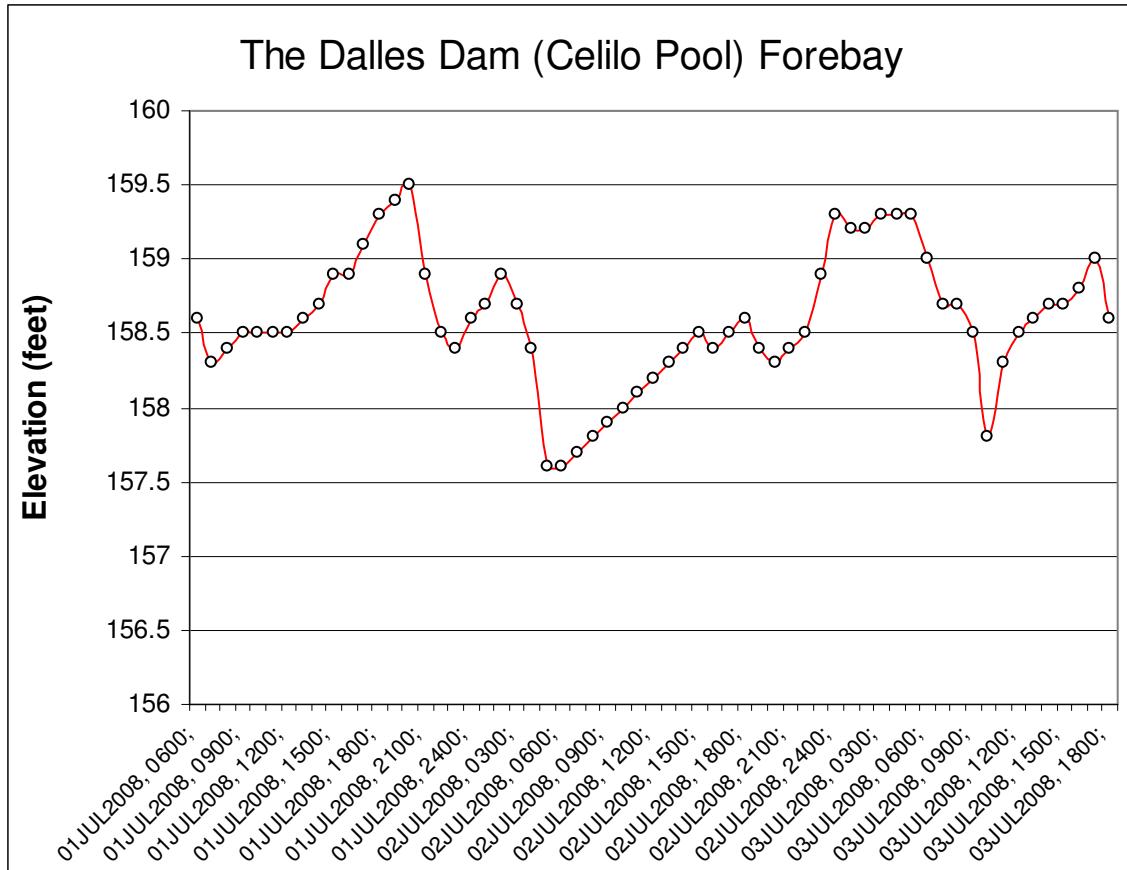


Figure 5. Observed TDA pool elevations during July 1-3, 2008 summer treaty fishing.

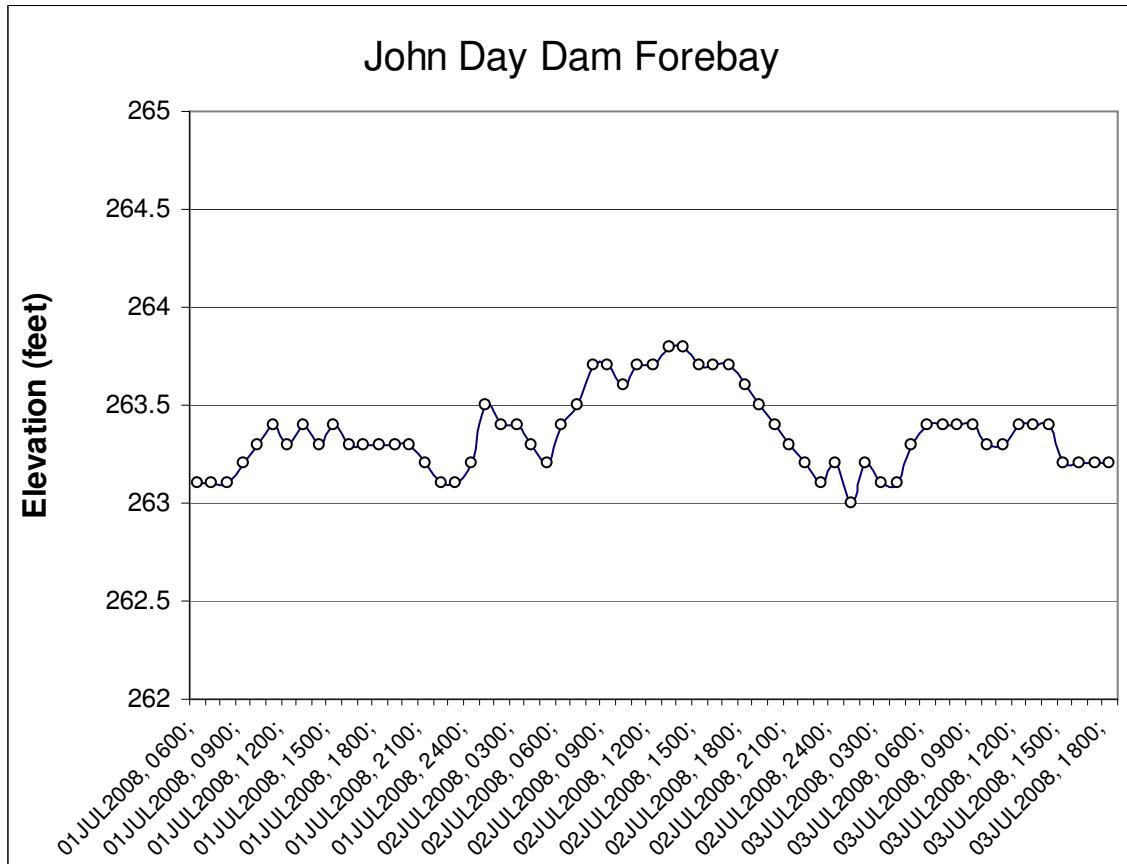


Figure 6. Observed JDA pool elevations during July 1-3, 2008 summer treaty fishing.

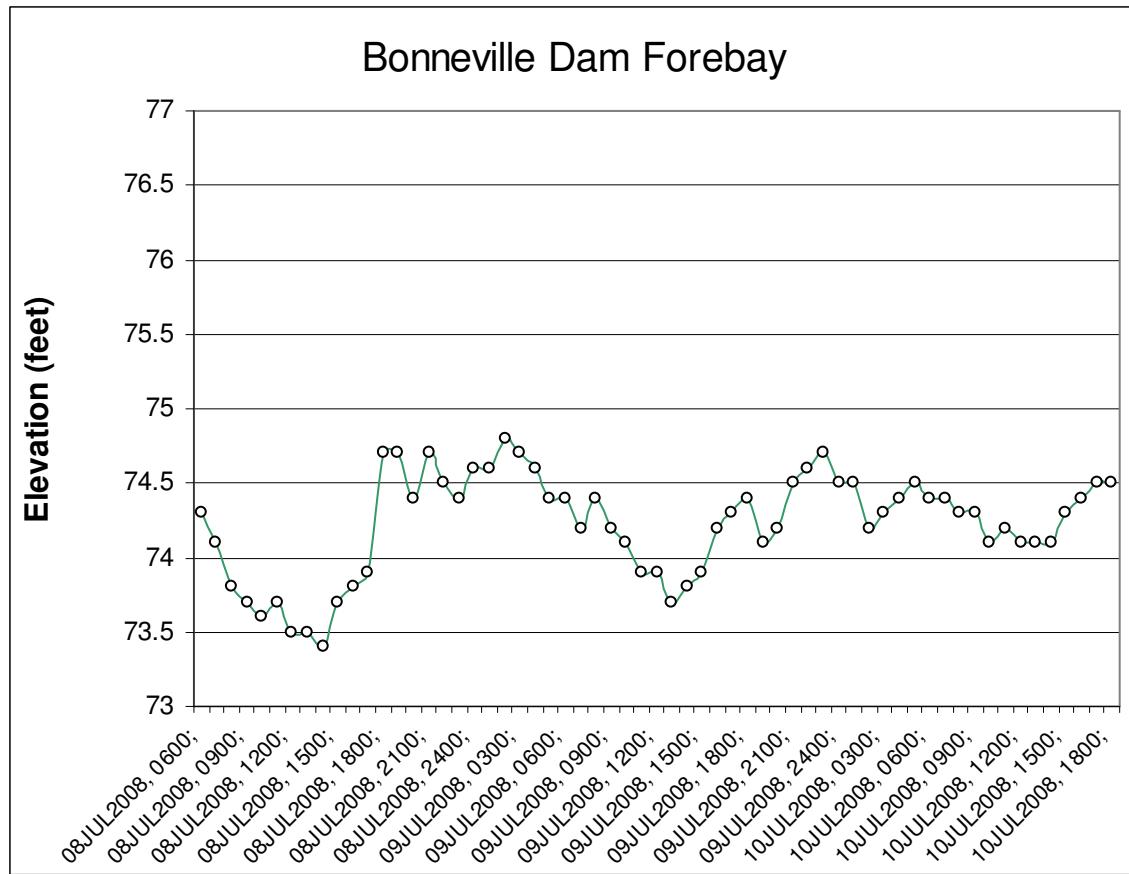


Figure 7. Observed BON pool elevations during July 8-10, 2008 summer treaty fishing.

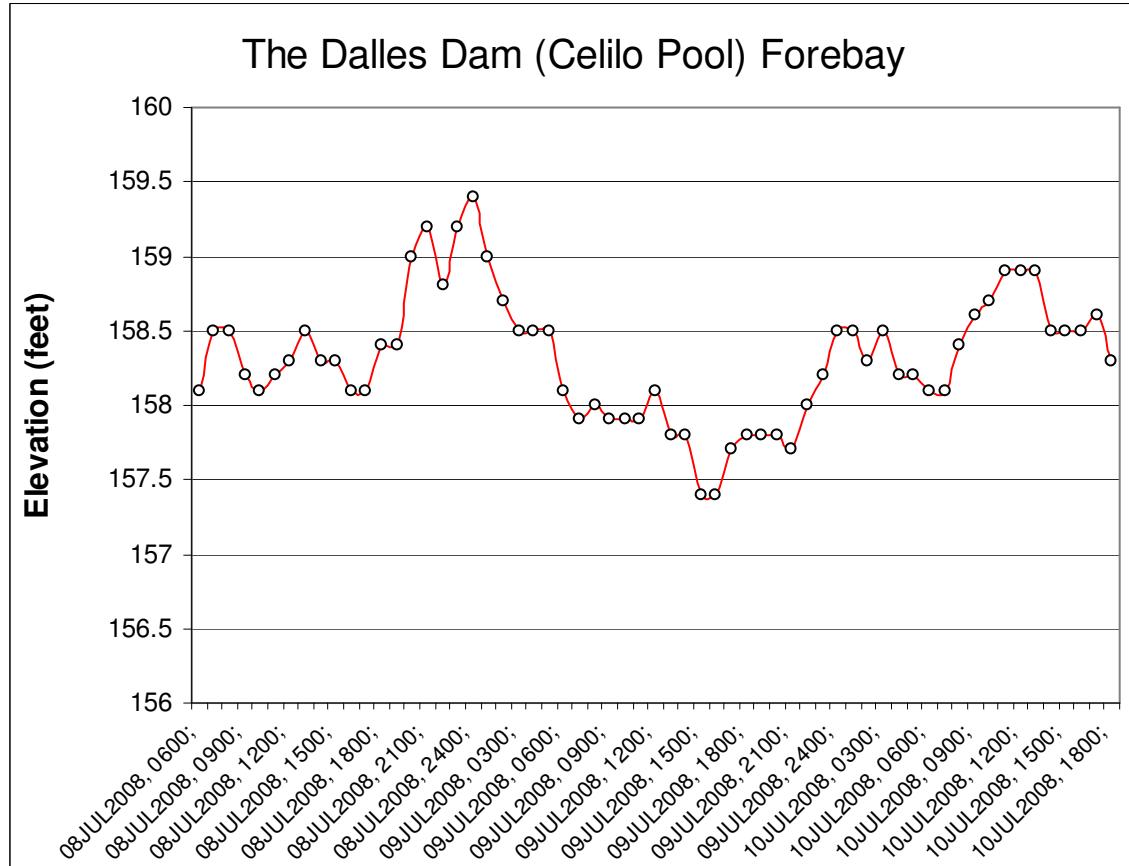


Figure 8. Observed TDA pool elevations during July 8-10, 2008 summer treaty fishing.

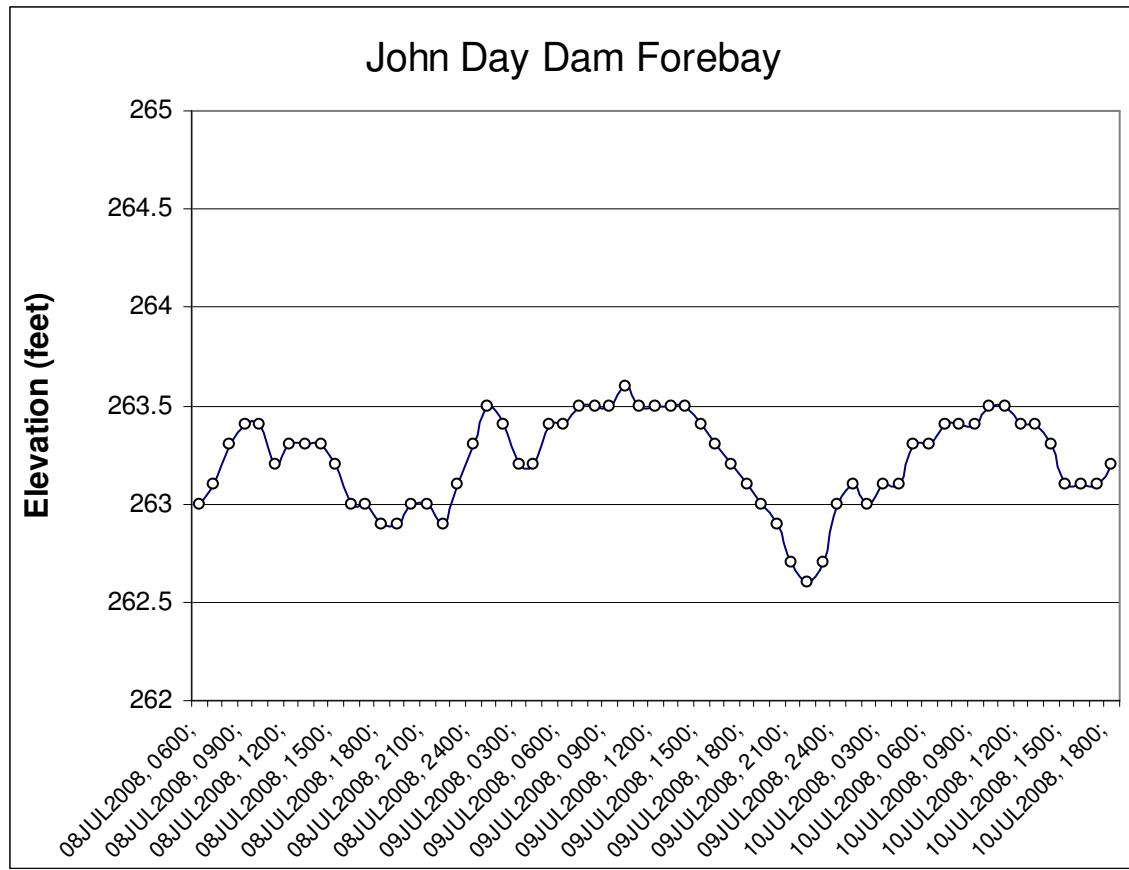


Figure 9. Observed JDA pool elevations during July 8-10, 2008 summer treaty fishing.

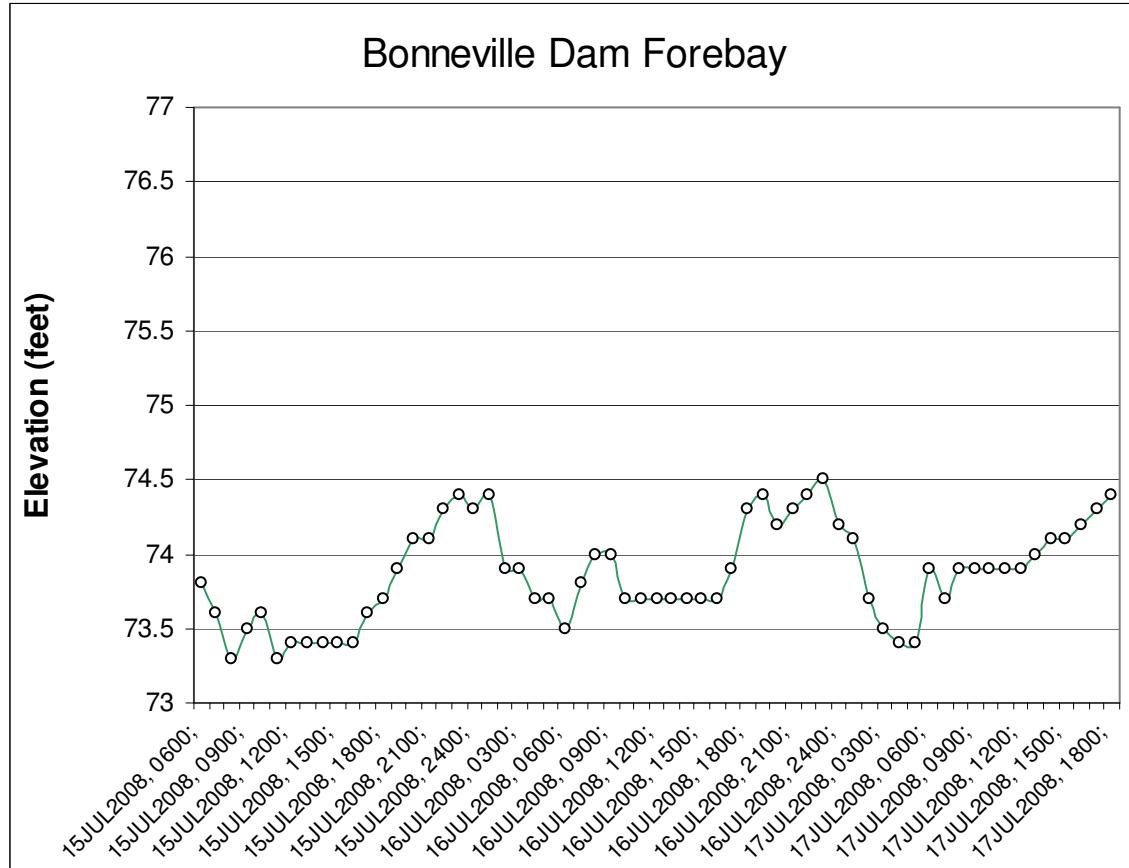


Figure 10. Observed BON pool elevations during July 15-17, 2008 summer treaty fishing.

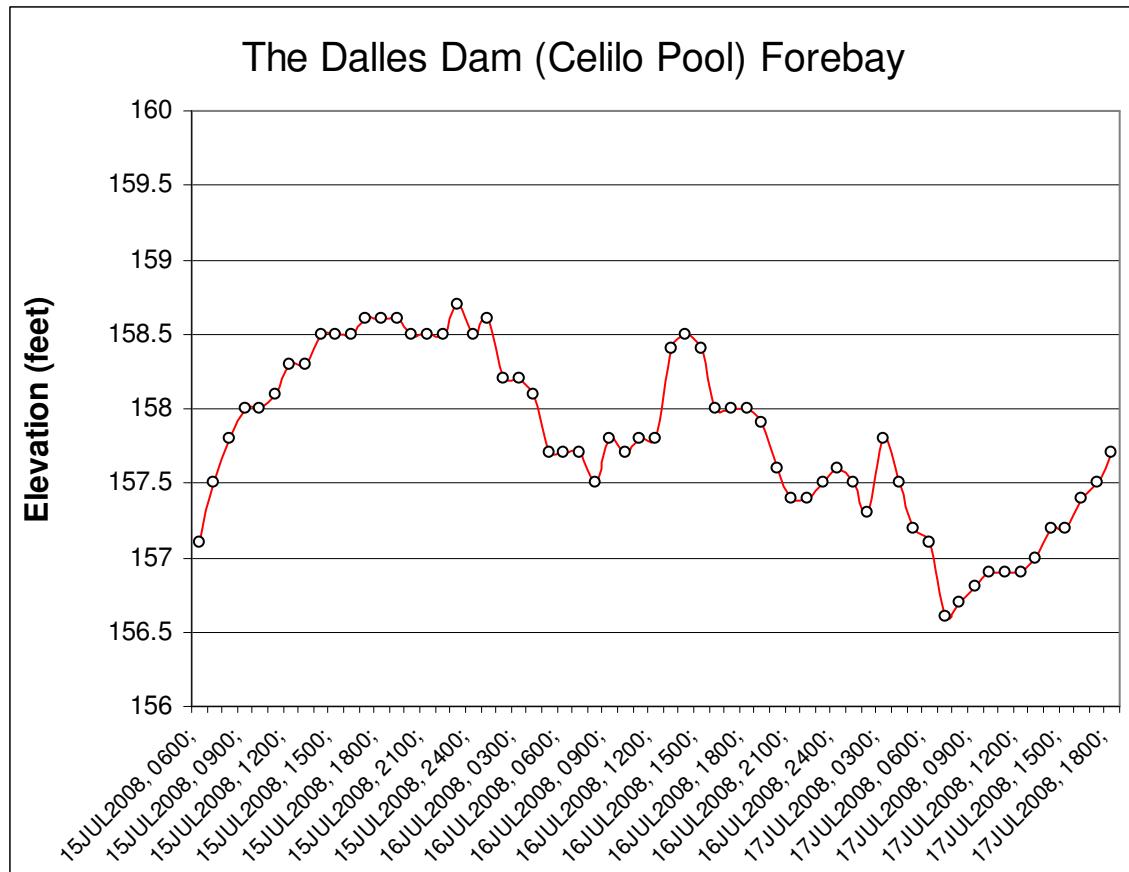


Figure 11. Observed TDA pool elevations during July 15-17, 2008 summer treaty fishing.

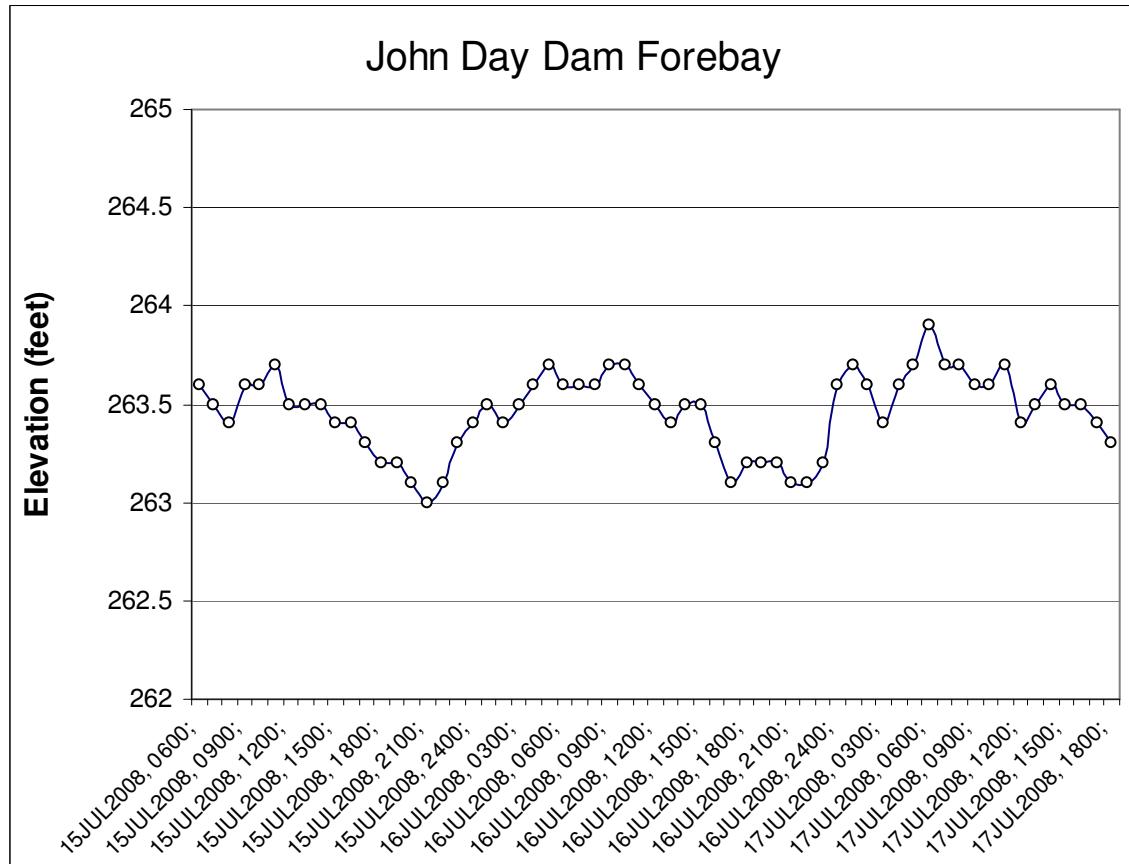


Figure 12. Observed JDA pool elevations during July 15-17, 2008 summer treaty fishing.

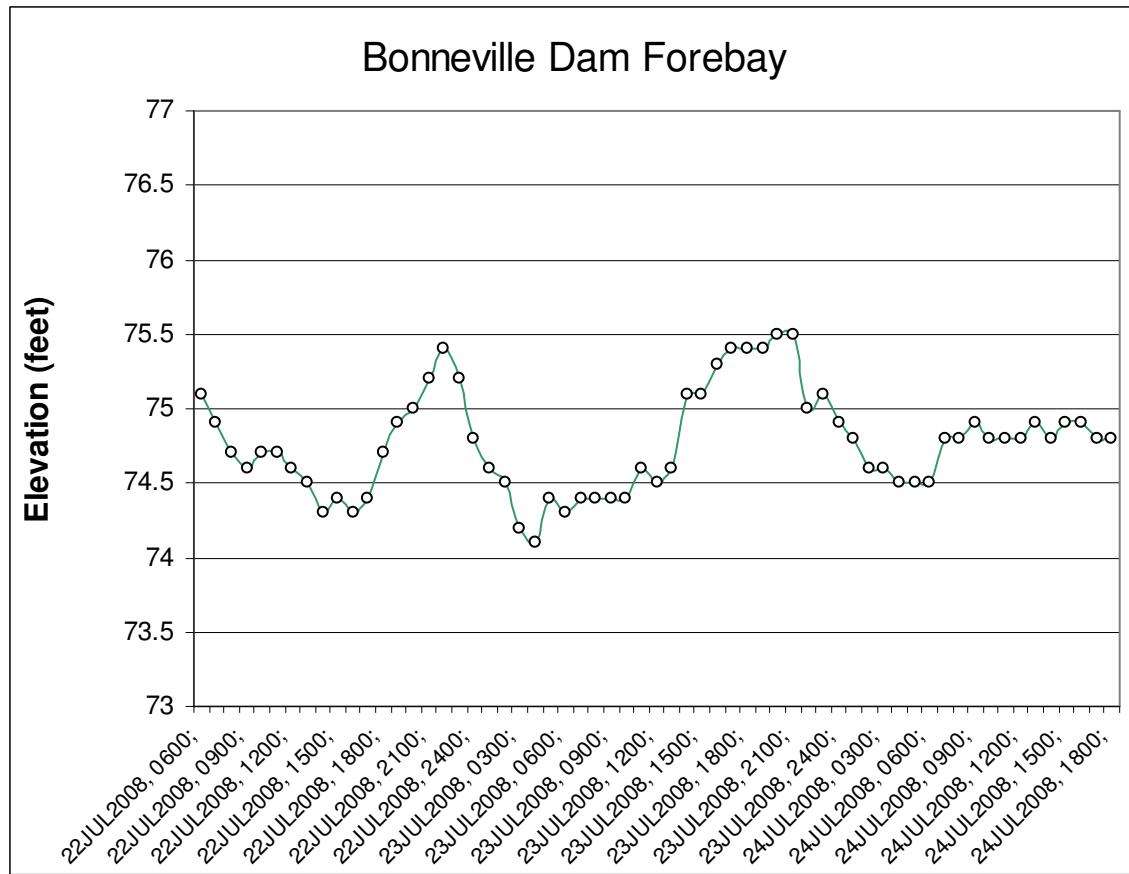


Figure 13. Observed BON pool elevations during July 22-24, 2008 summer treaty fishing.

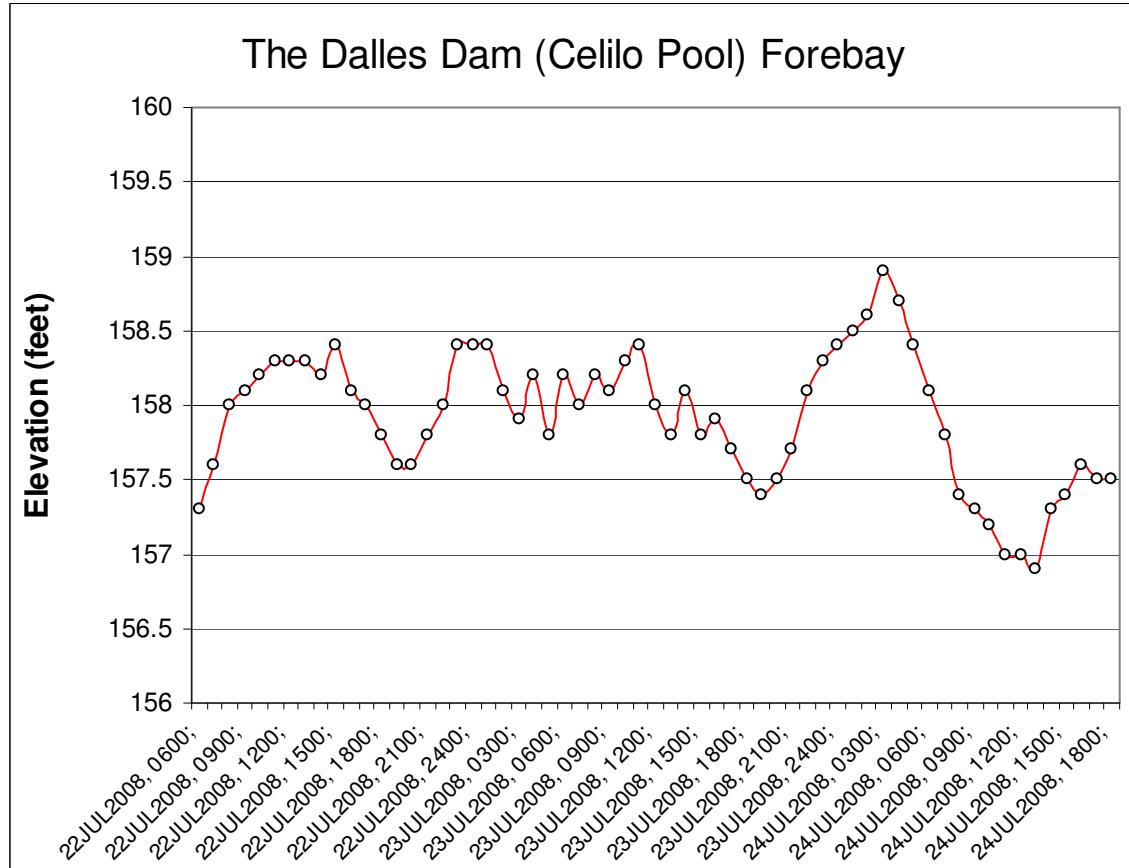


Figure 14. Observed TDA pool elevations during July 22-24, 2008 summer treaty fishing.

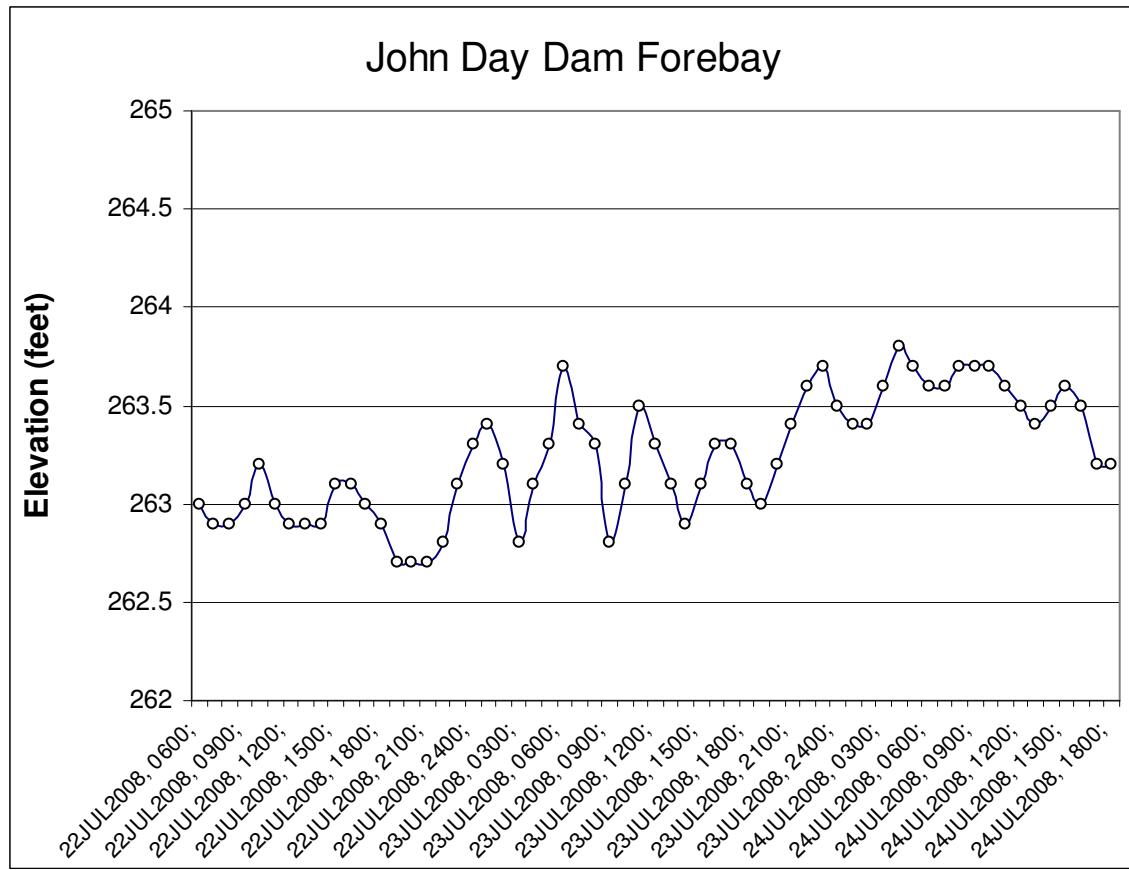


Figure 15. Observed JDA pool elevations during July 22-24, 2008 summer treaty fishing.

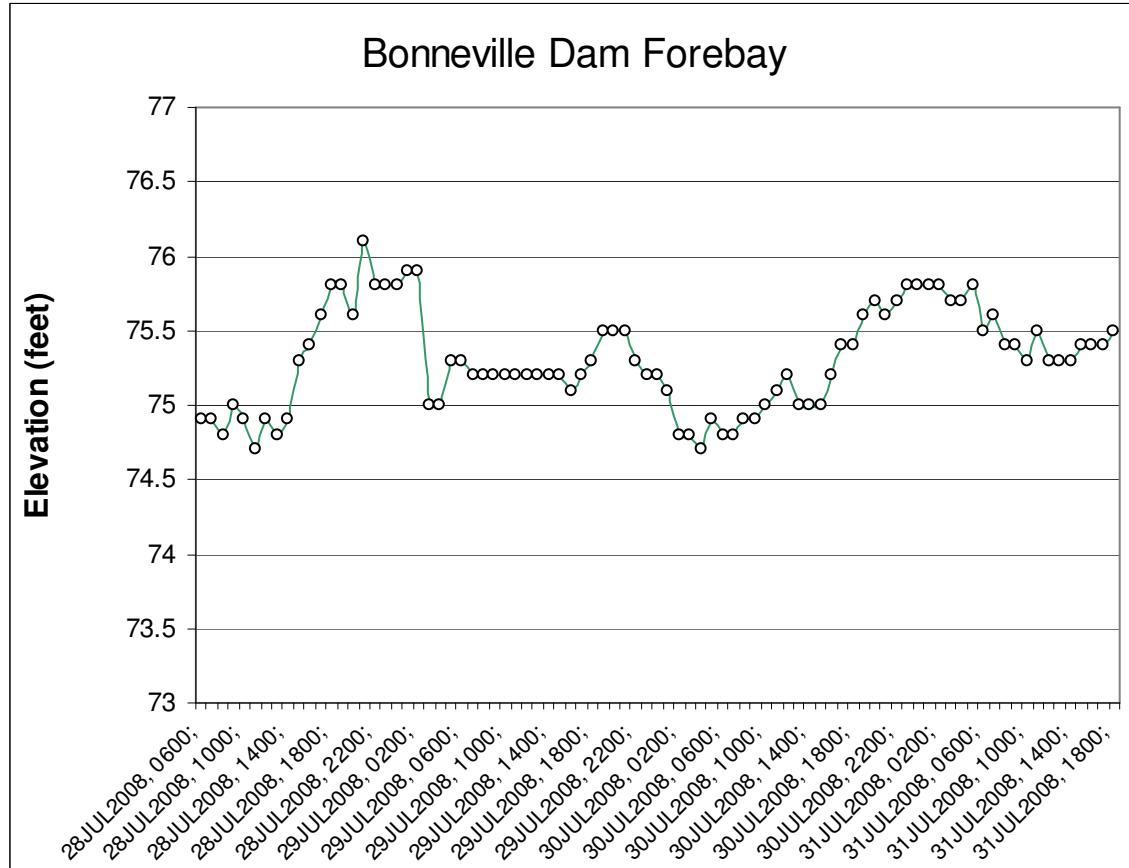


Figure 16. Observed BON pool elevations during July 28-31, 2008 summer treaty fishing.

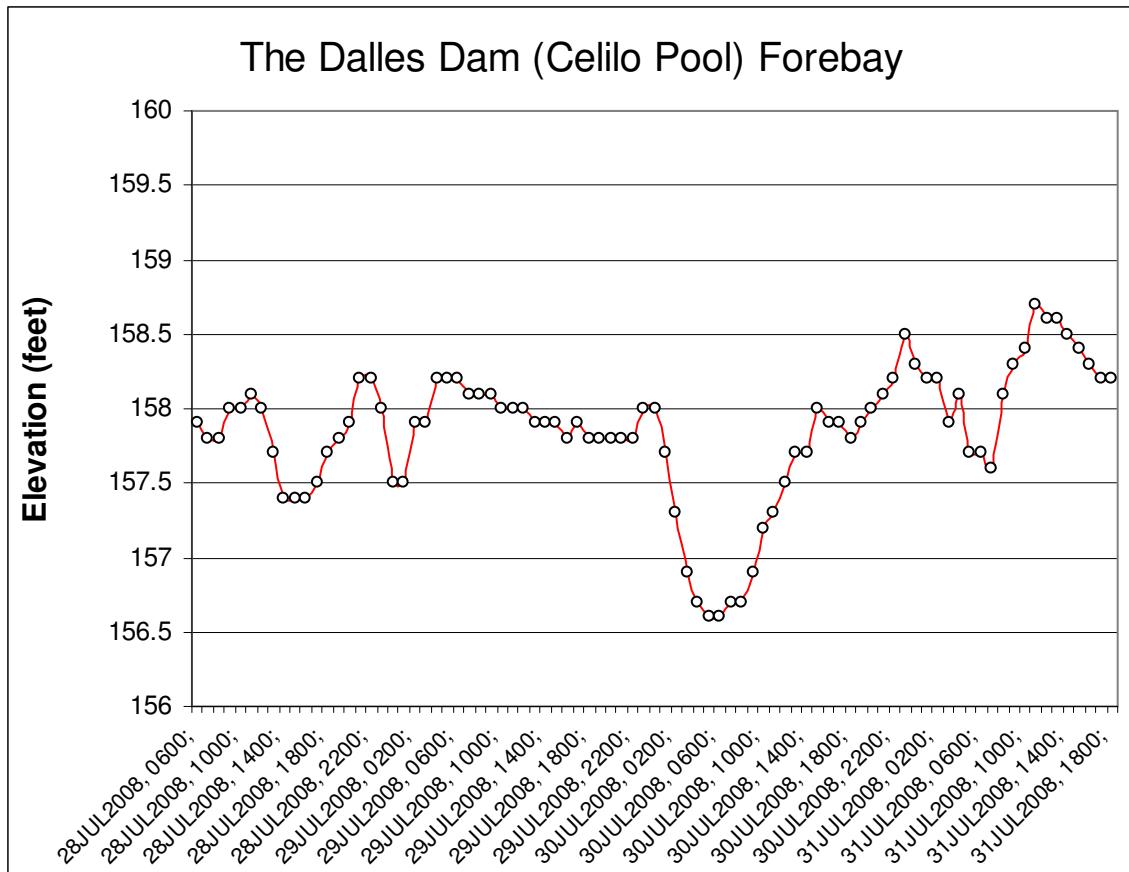


Figure 17. Observed TDA pool elevations during July 28-31, 2008 summer treaty fishing.

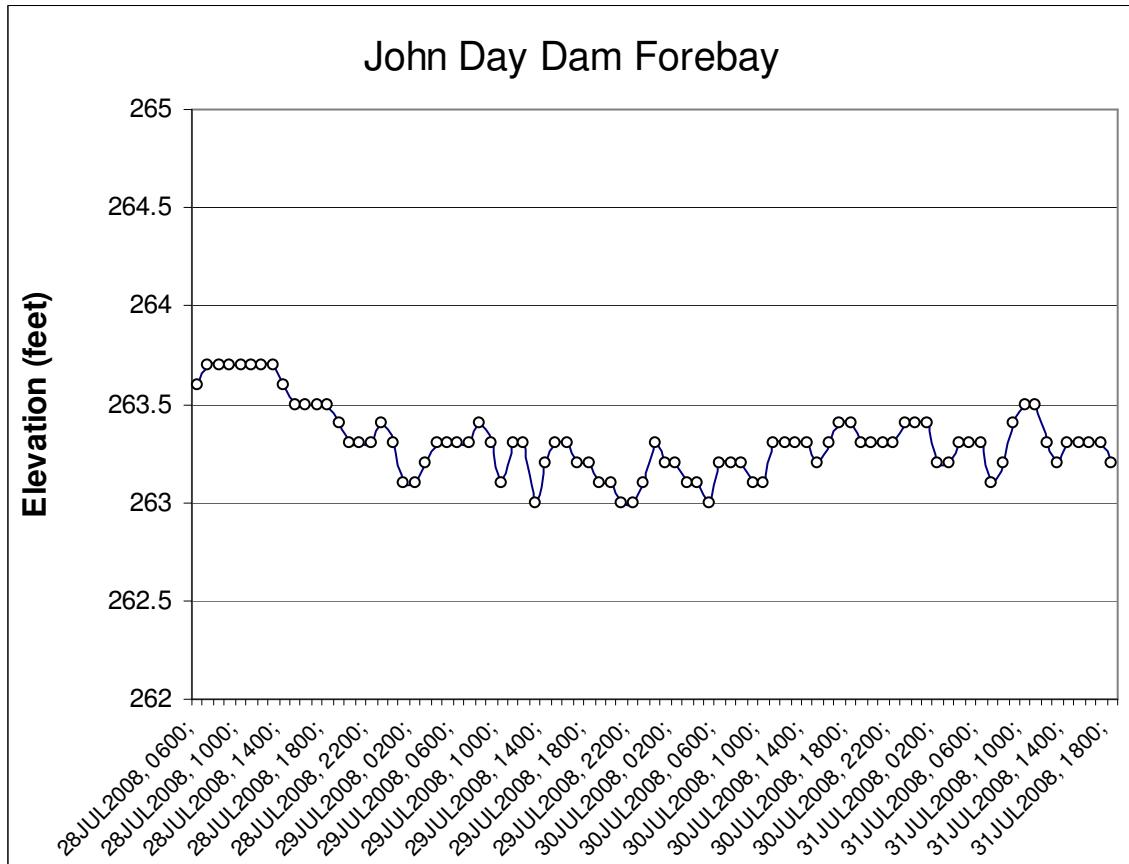


Figure 18. Observed JDA pool elevations during July 28-31, 2008 summer treaty fishing.