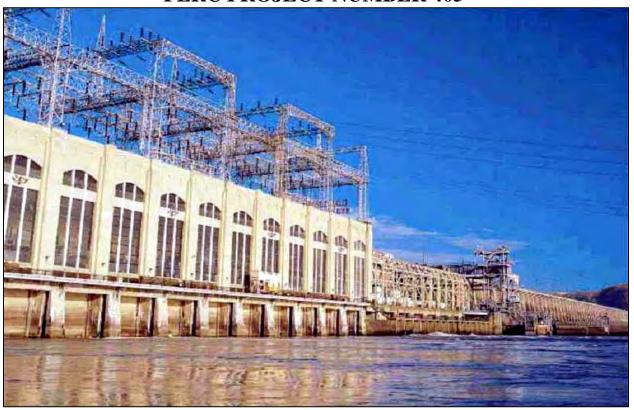
FINAL STUDY REPORT CONOWINGO EAST FISH LIFT ATTRACTION FLOWS Statistical Analysis of Turbine Operations and East Fish Lift Catch RSP 3.6

CONOWINGO HYDROELECTRIC PROJECT

FERC PROJECT NUMBER 405



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August 2012

EXECUTIVE SUMMARY

Exelon Generation Company, LLC (Exelon) has initiated with the Federal Energy Regulatory Commission (FERC) the process of relicensing the 573-megawatt Conowingo Hydroelectric Project (Conowingo Project). The current license for the Conowingo Project was issued on August 14, 1980 and expires on September 1, 2014. FERC issued the final study plan determination for the Conowingo Project on February 4, 2010, approving the revised study plan with certain modifications.

The final study plan determination required Exelon to conduct a Conowingo East Fish Lift (EFL) Attraction Flow Study (RSP 3.6) for American shad, Alosa sapidissima and gizzard shad, Dorosoma cepediense. The objectives of the study were to: 1) review and analyze applicable data from 2000 through 2009 under the designation of historical data, as it relates to Conowingo turbine and EFL operation data; 2) analyze and report turbine on/off times, duration of turbine operation, and water temperature, in conjunction with attraction flow velocity data and hourly fish passage data for the two species for 2010; and 3) analyze and report 2010 Conowingo station operation and fish passage data in conjunction with the passage of radio-telemetered American shad from Conowingo RSP 3.5-Upstream Fish Passage Effectiveness Study.

An initial study report (ISR) was filed on February 22, 2011, containing Exelon's 2010 study findings. An initial study report meeting was held on March 9, 10 and 11, 2011 with resource agencies and interested members of the public. Formal comments on the ISR including requested study plan modifications were filed with FERC on April 27, 2011 by Commission Staff, several resource agencies and interested members of the public. Exelon filed responses to the ISR comments with FERC on May 27, 2011. On June 24, 2011, FERC issued a study plan modification determination order. The order specified what, if any, modifications to the ISRs should be made. For this study, FERC's June 24, 2011 order required no modifications to the original study plan.

However, upon review of stakeholder comments, it was apparent that there was disagreement amongst the parties on the methods of analyses of the hourly fish passage data in conjunction with Project turbine operations/discharges. In their April 27, 2011 comment letters, stakeholders provided several suggestions relative to potential analytical methods, but a consensus on how best to analyze the data was not evident. In an effort to reach consensus, Exelon hosted meetings in August and September 2011 to discuss these comments and appropriate variables and statistical methods for these additional analyses.

After significant discussion, the parties reached a consensus as to which statistical methods and variables were to be used to analyze the data. The additional analysis included: 1) limiting analysis to the peak of

American shad run (April 25 - May 21) based on Julian date; 2) hourly fish counts lagged by 0.5 hr; 3) first hourly count of each day excluded from analysis; 4) average discharge data from each turbine for the years 2001-2003, and 5) specific flow intervals were established to segregate the EFL fish catch data: 7,500 - 17,999 cfs, 18,000 - 27,999 cfs, 28,000 - 35,999 cfs, 36,000 - 44,999 cfs, 45,000 - 54,999 cfs, 55,000 - 65,999 cfs, and 66,000 - 80,000 cfs.

Only turbine operating scenarios occurring in each flow interval at least ten times during the 2001 through 2010 time period were analyzed except for two flow intervals, (18,000 - 27,999 cfs) and 36,000 - 44,999 cfs that included turbine scenarios occurring at least seven times. The threshold was relaxed for these two flow intervals, because both intervals had a relatively small number of unique turbine combinations that occurred more than 10 times. To adjust for day-to-day and year-to-year variability, fish passage counts were standardized using daily and annual means using Z-scores. These standardized counts were then used in an ANOVA analysis.

An updated study report (USR) analyzing the 2010 study data was filed on January 23, 2012. This final study report detailing the analysis of 2010 data is being filed with the Final License Application for the Project.

The findings of the additional statistical analysis revealed that Z-scores based on the daily mean showed no significant relationship between fish passage (American shad or gizzard shad) and turbine scenarios in all but one flow interval (36,000 - 44,999 cfs). It appears that analysis using the daily mean lacked sensitivity due to the small number of observations recorded each day (≤ 9) .

Z-scores based on the daily mean showed no significant relationship between fish passage (American shad or gizzard shad) and turbine scenarios in all but one flow interval (36,000 - 44,999 cfs). The ANOVA using Z-scores based on annual means detected significant differences between turbine scenarios in all but one flow interval (18,000 - 27,999 cfs).

Overall, the results of the statistical analyses were confounded. For flow interval 7,500 – 17,999 cfs, turbine scenarios Francis units 2 and 5 on, Francis units 5 and 7 on, and Francis units 4 and 7 on, passed more fish. In contrast, Francis units 5 and 6 on passed the fewest fish. Intuitively, one would not expect a significant difference in flow hydraulics between Francis units 5 and 7 on, and Francis units 5 and 6 on. Therefore, it is difficult to determine whether the difference between these scenarios is significant in terms of fish passage, or simply coincidental.

The flow interval ranging from 28,000 - 35,999 cfs was the only interval with no overlap in the Waller groupings. Within this interval, more American shad were passed during the turbine scenario with Francis units 2, 3, 5, and 7 on, and Kaplan unit 11 on.

For the 36,000 - 44,999 cfs flow interval Francis units 3,5,6,7, and Kaplan unit 10, appeared to pass more fish. Generally, for the intermediate flow intervals, turbine scenarios with Kaplan turbine units 10 and/or 11 on passed more shad than those scenarios with Kaplan turbine units 8 and/or 9 on. Analysis of the 2010 radio telemetry seemed to support this hypothesis, as a greater number of successful forays to the EFL were observed with Kaplan unit 11 operating, compared to when Kaplan units 8 and/or 9 were operating.

However, this was not always consistent in the statistical analysis, as seen with the 45,000 - 54,999 cfs flow interval, which passed nearly the same number of fish with Francis units 4, 5, 6, 7, and Kaplan units 9 and 10 on, than Francis units 2, 3, 4, 5, 6, 7, and Kaplan unit 11 on.

Aside from the general observations noted above, a meaningful relationship between hourly fish passage and turbine discharge (flow intervals) was not observed. This was likely due to the dataset's highly irregular and variable nature, which is due to several factors. While the introduction of several assumptions (30 minute lag time, first hour excluded, etc.) allowed the dataset to be analyzed, these assumptions may in themselves introduce additional error and/or variance into the data. For example, though the 30 minutes lag time is a reasonable estimate of the Conowingo tailrace to observation window lag time, the actual time it takes for some fish to travel from the Conowingo tailrace to the fish observation window (from which all these data are derived from) may vary from this value substantially, up to several hours in some instances.

Though the analysis results may suggest that a turbine operating scenario substituting the use of Kaplan units 10 and /or 11 for Kaplan units 8 or 9 should be analyzed further, designing and implementing such a field experiment to test the hypothesis would be problematic and perhaps impractical. For example, to compare one scenario of fish passage rates when Kaplan unit 8 is on versus when Kaplan unit 11 is on will require that other conditions, (number of Francis turbines generating and total station discharge) remain the same during each test scenario. Considering the natural flow variability during the spring season, this may not be a realistic expectation. Additionally, all fish remaining in the trough from one test condition would have to be removed prior to the start of the second test condition to avoid sample bias. This would likely be a time consuming process, resulting in losing potential experiment time. More

importantly, the number of American shad present in the tailrace at any time or for any condition is unknown, resulting in an additional (and potentially large) sample bias.

A more practical approach to determine turbine operations influence on fish passage may be to analyze the 2010 and planned 2012 telemetry data further. One potential study design would be to determine, for each individual fish, how long it was in the tailrace and under what conditions. Additional analysis could be done to determine under what conditions the fish entered the fish lift; and then determine fish passage per generation scenario. Although the radio-telemetered fish data set will be smaller than the 10-year hourly fish passage data set, it lends itself to a more thorough analysis that avoids the need to assume roughly estimated lag times for fish transport between the fish lift and exit hopper or deleting blocks of time (which may bias study results) to account for conditions that occur from standard EFL operating procedures. The radio telemetry data may also provide a clearer perspective on how shad react to changing turbine scenarios that occur throughout the daily generating and fish lift operating cycle.

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LIST OF ABBREVIATIONS

cfs cubic feet per second

EFL East Fish Lift

Exelon Exelon Generation Company, LLC FERC Federal Energy Regulatory Commission

fps feet per second ft foot/feet

ILP Integrated Licensing Process

ISR Initial Study Report

MW megawatt NOI Notice of Intent

PAD Pre-Application Document PSP Proposed Study Plan RSP Revised Study Plan

USFWS United States Fish and Wildlife Service

USR Updated Study Report

1.0 INTRODUCTION

Exelon Generation Company, LLC (Exelon) has initiated with the Federal Energy Regulatory Commission (FERC) the process of relicensing the 573-megawatt Conowingo Hydroelectric Project (Conowingo Project). The current license for the Conowingo Project was issued on August 14, 1980 and expires on September 1, 2014. FERC issued the final study plan determination for the Conowingo Project on February 4, 2010, approving the revised study plan with certain modifications.

The final study plan determination required Exelon to conduct a Conowingo East Fish Lift (EFL) Attraction Flow Study (RSP 3.6) for American shad, *Alosa sapidissima*, and gizzard shad, *Dorosoma cepediense*. The objectives of the study were to: 1) review and analyze applicable data from 2000 through 2009 under the designation of historical data, as it relates to Conowingo turbine and EFL operation data; 2) analyze and report turbine on/off times, duration of turbine operation, and water temperature, in conjunction with attraction flow velocity data and hourly fish passage data, (American and gizzard shad), for 2010; and 3) analyze and report 2010 Conowingo station operation and fish passage data in conjunction with the passage of radio-telemetered American shad from Conowingo RSP 3.5-Upstream Fish Passage Effectiveness Study.

An initial study report (ISR) was filed on February 22, 2011, containing Exelon's 2010 study findings. An initial study report meeting was held on March 9, 10 and 11, 2011 with resource agencies and interested members of the public. Formal comments on the ISR including requested study plan modifications were filed with FERC on April 27, 2011 by Commission Staff, several resource agencies and interested members of the public. Exelon filed responses to the ISR comments with FERC on May 27, 2011. On June 24, 2011, FERC issued a study plan modification determination order. The order specified what, if any, modifications to the ISRs should be made. For this study, FERC's June 24, 2011 order required no modifications to the original study plan.

Upon review of stakeholder comments, it was apparent that there was disagreement amongst the parties on the analyses of the hourly fish passage data and how it was analyzed in the context of Project turbine operations/discharges, EFL operations, time of day, time of season (early, mid, and late portions), natural river flow, and water temperature. In their April 27, 2011 comment letters, stakeholders provided several suggestions relative to potential analytical methods, but a consensus on how best to analyze the data was not evident. In an effort to reach consensus, Exelon hosted meetings in August and September, 2011 to discuss these comments and appropriate variables and statistical methods for these additional analyses.

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2.0 METHODS

Based on discussions at the August and September 2011 stakeholder meetings, it was agreed that if the effects of Project operation on American shad and gizzard shad passage can be demonstrated, it is most likely to be seen during the peak of the American shad run. Historic daily EFL fish count data were plotted for the period 2001 thru 2010 (Figure 2.1). Based on the plot, it appeared that limiting the analysis to the period from April 25 to May 21 (based on Julian date for years 2001 - 2010), maximizes the likelihood that American shad are present within the tailrace. Also, dividing this period into three subperiods, Apr 25 – May 4, May 5 – May 14, May 15 – May 21, allowed for exploration of Project effects on different segments of the run (i.e., early, mid, and late run shad).

Several steps were taken prior to subjecting the data to the agreed upon statistical analysis. First, there is an estimated lag time of approximately 0.5 hours between the time that a fish typically enters the EFL from the tailrace, and arrives at the counting window. To account for this delay, fish counts were lagged by 0.5 hours so that the enumerated fish were more reflective of the tailrace conditions (*e.g.*, gate openings, station flow, turbine unit combinations) that the fish experienced prior to entering the EFL.

Second, observations at the EFL indicate that all fish lifted in the last lift of the day, do not pass the counting window before the exit gate is closed for the night. As a result, the following day's first hourly fish count is a mixture of fish from the previous day's last lift, and fish that were part of the first lift that morning. As a consequence, the first count of the day reflects this "mixture" of fish and is not an accurate sample of the operation during that first hour. To negate the "mixture" effect, the first hourly count of each day was excluded from the statistical analysis.

Since the primary purpose of the analysis was to assess the effects that various Project operations may have on fish catch rates at the EFL, individual turbine discharge data were obtained for 2004 to 2010. Since actual data for years 2001 through 2003 period were not available, the average discharge of each unit when it was running during the 2004 – 2010 period was used to estimate discharges from these units when they were in operation prior to 2004. Appendix A contains the frequency of operations scenarios used in the analysis by year and total.

Plotting fish counts against total station discharge revealed breaks of fish counts into various discharge intervals (or bins) of station discharge (<u>Figure 2.2</u>). After discussions with stakeholders, the intervals of station discharge were further refined, and the following intervals were agreed upon for use in the analysis: 7,500 - 17,999 cfs, 18,000 - 27,999 cfs, 28,000 - 35,999 cfs, 36,000 - 44,999 cfs, 45,000 - 54,999 cfs, 55,000 - 65,999 cfs, and 66,000 - 80,000 cfs.

Consideration was given to analyzing the American shad counts from EFL entrance gate A and gate C separately. However, 81% of the gate A counts fell into the first two flow intervals (7,500 - 17,999 cfs, and 18,000 - 27,999 cfs), while only 14% of the gate C counts fell into those intervals.

Because the same turbine unit combinations are not operated consistently within each discharge interval over time, a large number of station turbine operating combinations occurred. Many combinations occurred rarely in the ten year period, 65% of the 169 operational scenarios occurred 3 times or fewer. As there was concern that these rare scenarios might obscure the assessment of fish catch rates at the EFL compared to the more frequently occurring scenarios, the analysis included only those combinations which occurred at least 10 times over the 2001-2010 period. The only exceptions were the 18,000 – 27,999 cfs and the 36,000 cfs – 44,999 cfs discharge intervals. For these two intervals, combinations that occurred at least 7 times in 10 years were included. This step was taken because both intervals had a relatively small number (n=4) of unique turbine combinations that occurred more than 10 times. After discussion with stakeholders, it was decided that relaxing the constraint to a minimum of seven occurrences for these discharge intervals allowed for the analysis of a greater range of variability with regard to turbine unit combinations.

Another adjustment for the day-to-day and the year-to-year variability of the shad run in the Conowingo tailrace was to transform to standardized counts (x) relative to the daily and yearly means ($\frac{1}{\chi}$) (z scores,

$$z = \frac{x - x}{s}).$$

When using the daily means, a number of days had to be dropped from the analyses because the standard deviation (s) was zero and the z score could not be calculated $z = \frac{x - x}{s}$). The transformed counts were then used in an ANOVA analysis using the SAS Institute's Proc GLM (SAS Institute, 2002-2003). In addition, the Waller-Duncan k-ratio test was done to separate out similar means when differences were detected with the ANOVA analysis. Probability of significance level used was P=0.05.

The effect of transforming the data is that the mean of the z scores used in this analysis is 0 and the standard deviation is 1, as it is in normal distributed z scores. However, the transformed z scores were still skewed to the right (to the positive side of the distribution). Figure 2-3 illustrates a box plot of a normal distribution and Figure 2-4 depicts the transformed z scores. This appeared to be caused by one or two days each year in which several hours of counts would be an order of magnitude greater than the counts in the bracketing hours and days.

The results of ANOVA are reported to be robust even when the assumptions of the analysis, including non-normality, are violated (Snedecor and Cochran, 1967). However, a potential consequence of skewed z scores is that real differences might not be detected. For example, ANOVA analysis of the 18,000 – 27,999 flow interval (Table 2-1) resulted in non-significance (P=0.06) while the nonparametric Kruskal-Wallace test (Table 2-2) detected significant differences (P=<0.0001).

However, the Waller-Duncan test did detect the differences in the means in the 18,000 - 27,999 cfs flow interval. To further check the sensitivity of the Waller-Duncan test, a pair of means were pulled from several flow intervals and tested with the nonparametric Wilcoxon test (<u>Table 2-3</u>). Means pairs were chosen if they were in the same Waller grouping and the number of observations were similar for each. The results of the Wilcoxon test (<u>Table 2-3</u>) concur with the Waller-Duncan test.

3.0 RESULTS

3.1 American Shad

Using the z scores based on the daily mean, there was no significant difference detected between fish passage and the station operation scenarios in any of the flow intervals except the 36,000 cfs - 44,999 cfs interval (p<0.05) (Table 3-1). Although a significant result was obtained for flow interval 36,000 - 44,999 cfs, the model (Table 3-1) explains only 15% of the variation based on the error mean square.

The Waller-Duncan results (<u>Table 3-2</u>) broke the 36,000 cfs – 44,999 cfs interval scenarios into only two groups, compared with four groups using z scores based on the annual mean (<u>Table 3-3</u>) showing a lack of sensitivity. The lack of sensitivity of analyses based on the daily mean is mostly likely because of the small number of observations during each day ($N \le 9$). Additionally, a number of days had to be dropped from the analyses because the standard deviation (s) was zero and the z score could not be calculated.

Analysis of variance using the z score-based on annual means (<u>Table 2-1</u>), however, detected significant differences (p<0.05) between station operation scenarios in each of the discharge intervals except the 18,000 cfs – 27,999 cfs interval. The Waller-Duncan k ratio test (<u>Table 3-3</u>), a pair-wise comparison of the z- score means, can be more sensitive to differences in data sets. In general, a z score mean > 0 indicates (<u>Table 3-3</u>) more fish were passed than the average. The more positive the z score mean, the more fish were passed relative to the average, and vice versa.

In the case of the 18,000 – 27,999 cfs interval (<u>Table 3-3</u>), the z score means were divided into two Waller groups (A and B). The Waller-Duncan k-ratio is a series of t-tests on all the means, controlling for the risk of detecting differences by chance alone. Means that are grouped together with the same letter are not significantly different from each other. The groups are not exclusive, and many of the discharge scenario z score means belong to both groups. However, the scenario of "Units 2,5,7 on", occurred only in the A group while the scenarios of "Units 2,3,6,7" on, and "Units 3,6,7 on", occurred only in the B group. All other scenarios overlapped between groupings A and B.

In the 7,500 – 17,999 cfs interval, there is much overlap in the Waller groupings. There is no overlap between the A group and the D group. As indicated by the positive mean z scores in <u>Table 3-3</u>, more American shad were passed by the EFL when the station operation scenarios were "Units 2, 5 on", "Units 5, 7 on" and "Units 4, 7 on". The lower numbers of fish were passed when the station operation was "Units 3,7 on", "Units 6,7 on", "Units 2,3 on", "Units 2,7 on" or "Units 5,6 on", as indicated by the near-zero or negative mean z score shown in Table 3-3.

The only discharge interval with no overlap in the Waller groups was the 28,000 - 35,999 cfs interval (<u>Table 3-3</u>). More American shad were passed when Units 2, 3, 5, 7 and 11 were on than other operating scenarios (mean z score =1.5261).

Many of the Waller groups overlap in the 36,000 - 44,999 cfs interval (<u>Table 3-3</u>), but only the A group "Units 3,5,6,7,10 on" and "Units 4,5,6,7,11 on" passed more fish than the average (mean z score = 0).

There was no overlap between the Waller group A in the 45,000 - 54,999 cfs interval. More fish passed through the EFL when the Conowingo operating scenarios were "Units 4,5,6,7,9,10 on" and "Units 2,3,4,5,6,7,11 on" (<u>Table 3-3</u>).

There was even more overlap in the Waller groups in the 55,000 - 65,999 cfs interval. Only part of the A group, "Units 2,3,4,5,6,7,8,9,10,11 on", "Units 3,5,6,7,8,9,10,11 on" and "Units 4,5,6,7,8,9,10,11 on" passed more fish than the average (Table 3-3).

Though there were two Waller groups in the 66,000 - 80,000 cfs interval, no scenario in either group passed more fish than average (<u>Table 3-3</u>).

Splitting the data into three parts, early, middle and late run fish, was not very informative. Dividing the data reduced the sample size for the models and often led to very unbalanced designs (Table 3-4). Even when there were significant differences (p<0.05), the Waller groupings overlap or do not reveal differences (Table 3-5). None of partitions in the 18,000 – 27,999 cfs discharge interval showed significant differences in the ANOVA analyses, but the Waller-Duncan k ratio test did show differences in the middle partition. This shows that the Waller-Duncan test is more likely to detect differences when the assumptions of normality are violated than the ANOVA. Station operation scenarios occur in some turbine discharge partitions but not others, making comparisons impossible.

3.2 Gizzard Shad

Gizzard shad hourly counts were transformed into z scores based on the annual mean, since tests done on American shad z scores based on the daily mean lacked sensitivity. The ANOVA analysis on the transformed counts showed significant differences (p<0.05) between station operation scenarios in all the flow interval categories (<u>Table 3-6</u>). The Waller-Duncan k ratio test was run on the Gizzard shad z scores (<u>Table 3-7</u>). There was a great deal of overlap of Waller groups except in the 28,000 – 35,999 cfs interval. The A group consisted of one scenario ("Units 4,5,6,7,9 on") which did not occur in any of the other Waller groups.

A correlation analysis done previously (Normandeau Associates and Gomez and Sullivan, 2010) on the raw American shad and Gizzard shad counts indicated there was a significant, though small (r = 0.09262, p < 0.0001) positive correlation between the two counts. A nonparametric Wilcoxon rank sum test (<u>Table 3-8</u>) was performed using the mean z scores of each discharge scenario to rank the two species response to the scenario. There were significant differences (p < 0.05) in the response of the two species to the scenarios in the 7,500 – 17,999 cfs, the 18,000 – 27,999 cfs and the 55,000 – 65,999 cfs discharge intervals. In the 7,500 – 17,999 cfs interval significance is probably because the scenario of "Units 2 and 5 on" is ranked first for American shad and last for Gizzard shad. The same is true for the 18,000 – 27,999 cfs interval, where the top two scenarios for American shad are the bottom two for Gizzard shad. In the 55,000 – 65,999 cfs interval, the top scenarios for American shad are among the middle of the Gizzard shad scenarios.

3.3 Turbine Discharges and 2010 Radio-tagged American Shad forays

<u>Table 3-9</u> compares the sixty-five radio-tagged American shad that made forays (successful or unsuccessful) into the EFL to the station discharge intervals and turbine unit combinations used in the previous analysis. A total of 65 American shad made 81 forays into the EFL. Forty-five (55.5%) of the eighty-one forays occurred between turbine discharges of 7,500 cfs to 27,999 cfs. Twenty-seven (60.0%) of these 45 forays occurred with two Francis turbines operating.

Turbine discharges which include the operation of at least one Kaplan turbine (28,000 cfs to 88,000 cfs) accounted for a total of 36 forays into the EFL. Fifteen (41.7%) of the 36 forays occurred when Kaplan turbine #11 was operating. Eleven of the 15 forays (73%) that occurred when Kaplan turbine #11 was operating were successful, as compared to only 6 successful forays of the 21 total forays (28.5%) noted when Kaplan turbine Units 8 and/or 9 were operating.

4.0 CONCLUSIONS

Z-scores based on the daily mean showed no significant relationship between fish passage (American shad or gizzard shad) and turbine scenarios in all but one flow interval (36,000 - 44,999 cfs). The ANOVA using Z-scores based on annual means detected significant differences between turbine scenarios in all but one flow interval (18,000 - 27,999 cfs).

Overall, the results of the statistical analyses were confounded. For flow interval 7,500 – 17,999 cfs, turbine scenarios Francis units 2 and 5 on, Francis units 5 and 7 on, and Francis units 4 and 7 on, passed more fish (<u>Table 3-3</u>). In contrast, Francis units 5 and 6 on, passed the fewest fish. Intuitively, one would not expect a significant difference in flow hydraulics between Francis units 5 and 7 on, and Francis units 5 and 6 on. Therefore, it is difficult to determine whether the difference between these scenarios is significant in terms of fish passage, or simply coincidental.

The flow interval ranging from 28,000 - 35,999 cfs was the only interval with no overlap in the Waller groupings. Within this interval, more American shad were passed during the turbine scenario with Francis units 2, 3, 5, and 7 on, and Kaplan unit 11 on (<u>Table 3-3</u>).

For the 36,000 - 44,999 cfs flow interval Francis units 3, 5, 6, 7 and Kaplan unit 10, appeared to pass more fish. Generally, for the intermediate flow intervals, turbine scenarios with Kaplan turbine units 10 and/or 11 on passed more shad than those scenarios with Kaplan turbine units 8 and/or 9 on (Table 3-3). Analysis of the 2010 radio telemetry seemed to support this hypothesis, as a greater number of successful forays to the EFL were observed with Kaplan unit 11 operating, compared to when Kaplan units 8 and/or 9 were operating.

However, this was not always consistent in the statistical analysis, as seen with the 45,000 - 54,999 cfs flow interval, which passed nearly the same number of fish with Francis units 4,5,6,7, and Kaplan units 9 and 10 on, than Francis units 2, 3, 4, 5, 6, 7 and Kaplan unit 11 on (<u>Table 3-3</u>).

Aside from the general observations noted above, a meaningful relationship between hourly fish passage and turbine discharge (flow intervals) was not observed. This was likely due to the dataset's highly irregular and variable nature, which is due to several factors. While the introduction of several assumptions (30 minute lag time, first hour excluded, etc) allowed the dataset to be analyzed, these assumptions may in themselves introduce additional error and/or variance into the data. For example, though the 30 minute lag time is a reasonable estimate of the Conowingo tailrace to observation window lag time, the actual time it takes for some fish to travel from the Conowingo tailrace to the fish

observation window (from which all these data are derived from) may vary from this value substantially, up to several hours in some instances.

Though the analysis results may suggest that a turbine operating scenario substituting the use of Kaplan units 10 and /or 11 for Kaplan units 8 or 9 should be analyzed further, designing and implementing such a field experiment to test the hypothesis would be problematic and perhaps impractical. For example, to compare one scenario of fish passage rates when Kaplan unit 8 is on versus when Kaplan unit 11 is on will require that other conditions, (number of Francis turbines generating and total station discharge) remain the same during each test scenario. Considering the natural flow variability during the spring season, this may not be a realistic expectation. Additionally, all fish remaining in the trough from one test condition would have to be removed prior to the start of the second test condition to avoid sample bias. This would likely be a time consuming process, resulting in losing potential experiment time. More importantly, the number of American shad present in the tailrace at any time or for any condition is unknown, resulting in an additional (and potentially large) sample bias.

A more practical approach to determine turbine operations influence on fish passage may be to analyze the 2010 and planned 2012 telemetry data further. One potential study design would be to determine, for each individual fish, how long it was in the tailrace and under what conditions. Additional analysis could be done to determine under what conditions the fish entered the fish lift; and then determine fish passage per generation scenario. Although the radio-telemetered fish data set will be smaller than the 10-year hourly fish passage data set, it lends itself to a more thorough analysis that avoids the need to assume roughly estimated lag times for fish transport between the fish lift and exit hopper or deleting blocks of time (which may bias study results) to account for conditions that occur from standard EFL operating procedures. The radio telemetry data may also provide a clearer perspective on how shad react to changing turbine scenarios that occur throughout the daily generating and fish lift operating cycle.

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TABLE 2-1: ANOVA RESULTS USING A Z SCORE BASED ON THE ANNUAL MEAN HOURLY AMERICAN SHAD COUNTS AT THE EFL, , 2001 - 2010. ALL TESTS ARE SIGNIFICANT EXCEPT 18,000 - 27,999 CFS, WHICH IS BORDER LINE.

| Flow Interval | F value | Probability of > F | R- Square | Coeffcient of Variation | Z Score Mean | N | Error Mean Square |
|---------------------|---------|--------------------|--------------|-------------------------------|-----------------|-----|-------------------------|
| 7,500 - 17,999 cfs | 3.85 | 0.0005 | 0.078174 | 517.3314 | 0.217227 | 326 | 1.2628853 |
| 18,000 - 27,999 cfs | 2.07 | 0.0622 | 0.093618 | 258.2449 | 0.439756 | 127 | 1.2896957 |
| 28,000 - 35,999 cfs | 5.42 | 0.0003 | 0.273301 | 427.0953 | 0.251408 | 78 | 1.1529438 |
| 36,000 - 44,999 cfs | 6.18 | < 0.0001 | 0.291721 | -370.1977 | 0.162097 | 113 | 0.3600959 |
| 45,000 - 54,999 cfs | 7.83 | < 0.0001 | 0.252249 | 3772.315 | 0.022645 | 122 | 0.7297291 |
| 55,000 - 65,999 cfs | 3.81 | <0.0001 | 0.151157 | -1010.286 | 0.085945 | 225 | 0.753934 |
| 66,000 - 80,000 cfs | 3.04 | 0.0169 | 0.017524 | -217.5026 | 0.273725 | 686 | 0.3544532 |

TABLE 2-2: KRUSKAL-WALLACE NON-PARAMETRIC TEST RESULTS USING A Z SCORE BASED ON THE ANNUAL MEAN HOURLY AMERICAN SHAD COUNTS AT THE EFL, 2001 - 2010. ALL TESTS ARE SIGNIFICANT.

| Flow Interval | Chi-square value | Degrees of freedom | Probability of $> \chi^2$ |
|---------------------|------------------|--------------------|---------------------------|
| | | | |
| 7,500 - 17,999 cfs | 42.4343 | 7 | < 0.0001 |
| | | | |
| 18,000 - 27,999 cfs | 19.3254 | 6 | 0.0036 |
| | | | |
| 28,000 - 35,999 cfs | 19.4685 | 5 | 0.0016 |
| | | | |
| 36,000 - 44,999 cfs | 54.2668 | 7 | < 0.0001 |
| | | | |
| 45,000 - 54,999 cfs | 32.1093 | 5 | < 0.0001 |
| | | | |
| 55,000 - 65,999 cfs | 66.1556 | 10 | < 0.0001 |
| | | | |
| 66,000 - 80,000 cfs | 9.5593 | 4 | 0.0485 |

TABLE 2-3: WILCOXON RESULTS USING A MEAN Z SCORE OF AMERICAN SHAD COUNTS COMPARING PAIRED STATION OPERATION SCENARIOS THAT THE WALLER DUNCAN TEST DID NOT FIND SIGNIFICANTLY DIFFERENT.

| | | Scenario 1 Wilcoxon | | Scenario 2 Wilcoxon | Wilcoxon | Two sided z test approximation Probability |
|--|-----|------------------------|------------|------------------------|------------|--|
| Flow Interval | N 1 | Score Mean | N 2 | Score Mean | statistic | of > Z |
| | | | | | | |
| | | Units 3 | 3,4,6,7 on | v Units 2,4,6,7 | on | |
| | | | | | | |
| 18,000 - 27,999 cfs | 15 | 12.533 | 12 | 15.833 | 190.0 | 0.2941 |
| | | | | | | |
| | | Units 4,5,6,7,9 | ,10,11 on | v Units 4,5,6,7, | 8,10,11 on | |
| | | | | | | |
| 55,000 - 65,999 cfs | 16 | 14.094 | 13 | 16.116 | 209.5 | 0.5392 |
| | | | | | | |
| Units 3,4,6,7,8,9,10,11 on v Units 1,2,3,4,5,6,7,8,9,11 on | | | | | | |
| | | | | | | |
| 66,000 - 80,000 cfs | 10 | 9.800 | 14 | 14.429 | 98.0 | 0.1207 |

TABKE 3-1: ANOVA RESULTS USING A Z SCORE BASED ON DAILY MEAN HOURLY AMERICAN SHAD COUNTS AT THE EFL, 2001 - 2010. HIGHLIGHTED ROW IS SIGNIFICANTLY DIFFERENT FROM THE OTHER MEANS.

| Flow Interval | F value | Probability of > F | R-Square | Coeffcient of Variation | Z Score Mean | N | Error Mean Square |
|------------------------|------------|--------------------|-----------|-------------------------|-----------------|-----|----------------------|
| 7,500 - 17,999 cfs | 0.93 | 0.4847 | 0.0020086 | 938.4145 | 0.097786 | 325 | 0.8420583 |
| 18,000 - 27,999 cfs | 0.74 | 0.6146 | 0.035906 | 401.527 | 0.231001 | 127 | 0.8603141 |
| 28,000 - 35,999 cfs | 1.83 | 0.1184 | 0.112583 | 874.2504 | 0.103709 | 78 | 0.82206653 |
| 36,000 - 44,999 cfs | 2.58 | 0.0171 | 0.149207 | -9344.943 | 0.009828 | 111 | 0.8435647 |
| 45,000 - 54,999 cfs | 0.32 | 0.9031 | 0.013399 | -845.29 | 0.112823 | 122 | 0.9095103 |
| 55,000 - 65,999 cfs | 0.47 | 0.9093 | 0.021505 | -803.3685 | 0.116959 | 224 | 0.8828773 |
| 66,000 - 80,000 cfs | 0.59 | 0.6721 | 0.003519 | -1191.965 | 0.077434 | 680 | 0.8518937 |

TABLE 3-2: RESULTS OF WALLER-DUNCAN K-RATIO TEST FOR Z SCORES BASED ON THE DAILY MEAN HOURLY AMERICAN SHAD COUNT IN THE 36,000 - 44,999 CFS INTERVAL AT EFL, 2001 - 2010. MEANS GROUPED WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

| Waller | | | |
|----------|---------|----|-------------------------|
| Grouping | Mean | N | Scenario |
| | | | |
| A | 0.5091 | 19 | Units 4,5,6,7,11 on |
| A | 0.4628 | 7 | Units 3,5,6,7,10 on |
| A,B | 0.3088 | 7 | Units 2,4,6,7,8,10 on |
| A,B | -0.0051 | 21 | Units 4,5,6,7,8,10 on |
| A,B | -0.0221 | 9 | Units 3,5,6,8,9 on |
| A,B | -0.039 | 20 | Units 4,5,6,7,10 on |
| В | -0.533 | 21 | Units 4,5,6,7,8,9,10 on |
| В | -0.5549 | 7 | Units 3,4,5,6,8,10 on |

TABLE 3-3: RESULTS OF WALLER-DUNCAN K-RATIO TEST FOR Z SCORES BASED ON THE ANNUAL MEAN HOURLY AMERICAN SHAD COUNT AT EFL, 2001 - 2010. MEANS GROUPED WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

| Waller Grouping | Mean | N | Scenario |
|-----------------|---------|-----------------|-------------------------|
| | 7,5 | 500 - 17,999 cf | is . |
| A | 0.7399 | 26 | Units 2,5 on |
| A,B | 0.585 | 75 | Units 5,7 on |
| A,B,C | 0.5478 | 23 | Units 4,7 on |
| B,C,D | 0.0674 | 91 | Units 3,7 on |
| B,C,D | 0.054 | 18 | Units 6,7 on |
| C,D | -0.069 | 11 | Units 2,3 on |
| C,D | -0.0944 | 65 | Units 2,7 on |
| D | -0.3007 | 17 | Units 5,6 on |
| | 18, | 000 - 27,999 cj | fs |
| A | 1.1282 | 7 | Units 2,5,7 on |
| A,B | 0.6563 | 12 | Units 2,4,6,7 on |
| A,B | 0.5694 | 68 | Units 4,5,6,7 on |
| A,B | 0.3324 | 15 | Units 3,4,6,7 on |
| A,B | 0.3303 | 7 | Units 4,5,6 on |
| В | -0.2924 | 11 | Units 2,3,6,7 on |
| В | -0.3891 | 7 | Units 3,6,7 on |
| | 28, | 000 - 35,999 cj | fs |
| A | 1.5261 | 12 | Units 2,3,5,7,11 on |
| В | 0.5115 | 20 | Units 4,5,6,7,8 on |
| В | 0.0585 | 10 | Units 4,5,6,7 on |
| В | -0.102 | 11 | Units 4,5,6,7,10 on |
| В | -0.3278 | 10 | Units 4,5,6,7,9 on |
| В | -0.3412 | 15 | Units 2,5,6,7,8,9 on |
| | 36, | 000 - 44,999 cj | fs |
| A | 0.53 | 7 | Units 3,5,6,7,10 on |
| A,B | 0.3139 | 21 | Units 4,5,6,7,11 on |
| В,С | -0.0987 | 20 | Units 4,5,6,7,10 on |
| В,С | -0.1391 | 21 | Units 4,5,6,7,8,9,10 on |

| C | -0.2541 | 7 | Units 2,4,6,7,8,10 on |
|-------|---------|---------------------------|----------------------------------|
| C,D | -0.4954 | 9 | Units 3,4,5,6,8,9 on |
| C,D | -0.5627 | 21 | Units 4,5,6,7,8,10 on |
| D | -0.8102 | 7 | Units 3,4,5,6,8,10 on |
| | | | |
| | 45 | 5,000 - 54,999 | cfs |
| A | 0.8097 | 19 | Units 4,5,6,7,9,10 on |
| A | 0.7695 | 10 | Units 2,3,4,5,6,7,11 on |
| В | 0.1923 | 19 | Units 4,5,6,7,8,9,10,11 on |
| B,C | -0.173 | 35 | Units 4,5,6,7,9,11 on |
| C | -0.3711 | 18 | Units 2,3,4,5,6,7,8 on |
| C | -0.535 | 21 | Units 4,5,6,7,8,9,11 on |
| | 5.4 | 5, <i>000 - 65</i> ,999 (| cfs |
| | | .,,,,,,,,, | |
| A | 0.3502 | 47 | Units 2,3,4,5,6,7,8,9,10,11 on |
| A,B | 0.1723 | 20 | Units 3,5,6,7,8,9,10,11 on |
| A,B,C | 0.0835 | 49 | Units 4,5,6,7,8,9,10,11 on |
| A,B,C | -0.0103 | 12 | Units 1,2,3,4,5,6,7,8,9,11 on |
| A,B,C | -0.2374 | 10 | Units 3,4,7,8,9,10,11 on |
| B,C | -0.2958 | 12 | Units 1,2,3,4,5,6,7,8,9,10,11 on |
| B,C,D | 0.3234 | 11 | Units 3,4,5,6,8,9,10,11 on |
| B,C,D | -0.3294 | 13 | Units 4,5,6,7,8,10,11 on |
| B,C,D | -0.3565 | 16 | Units 4,5,6,7,9,10,11 on |
| C,D | -0.4748 | 17 | Units 3,4,5,6,7,8,9,10,11 on |
| D | -0.8708 | 18 | Units 3,4,6,7,8,9,10,11 on |
| | 66 | 5,000 - 80,000 c | cfs |
| | | | |
| A | -0.1118 | 74 | Units 2,3,4,5,6,7,8,9,10,11 on |
| A,B | -0.1546 | 14 | Units 1,2,3,4,5,6,7,8,9,11 on |
| A,B | -0.282 | 558 | Units 1,2,3,4,5,6,7,8,9,10,11 on |
| A,B | -0.4252 | 10 | Units 3,4,6,7,8,9,10,11 on |
| В | -0.5253 | 30 | Units 1,2,3,4,5,6,8,9,10,11 on |

TABLE 3-4: ANOVA RESULTS USING A Z SCORE BASED ON THE ANNUAL MEAN HOURLY AMERICAN SHAD COUNTS SPLIT INTO EARLY, MIDDLE AND LATE RUN AT THE EFL, 2001 - 2010. ALL TESTS ARE SIGNIFICANT EXCEPT 18,000 - 27,999 CFS, WHICH IS BORDER LINE.

| Flow Interval | Part of the Run | F value | Probability of > F | R-Square | Coeffcient of Variation | Z Score Mean | N | Error Mean Square |
|---------------------|-------------------------|----------------------|----------------------------|----------------------------------|------------------------------------|----------------------------------|-----------------|-------------------------------------|
| 7,500 - 17,999 cfs | Early Middle | 4.8 4.13 | 0.0001 0.0008 | 0.247868 0.163321 | 294.031 259.4005 | 0.437719 0.37117 | 110 134 | 1.6564482 0.9270172 |
| | Late | 14.84 | <.0001 | 0.363326 | -166.9497 | 0.330123 | 82 | 0.3037542 |
| 18,000 - 27,999 cfs | Early | 0.45 | 0.5083 | 0.015235 | 227.6248 | 0.463495 | 31 | 1.1130882 |
| | Middle Late | 2.01 1.38 | 0.1038 0.2687 | 0.118424 0.089606 | 175.4854 -236.6326 | 0.733523 0.199946 | 65 31 | 1.65695 0.223859 |
| 28,000 - 35,999 cfs | Early Middle | 8.14 10.61 | 0.0022 <.0001 | 0.635566 0.589051 | 178.6336 268.3379 | 0.643607 0.287863 | 18 43 | 1.321807 0.5966725 |
| | Late | 0.89 | 0.4739 | 0.169787 | -156.8994 | 0.256071 | 17 | 0.1614224 |
| 36,000 - 44,999 cfs | Early | 10.49 | <.0001 | 0.744533 | -202.3091 | 0.179842 | 24 | 0.1323776 |
| | Middle | 11.31 | <.0001 | 0.52585 | -2839.095 | 0.020828 | 57 | 0.3496697 |
| | Late | 10.99 | <.0001 | 0.678803 | -51.79794 | 0.400424 | 32 | 0.0430195 |
| 45,000 - 54,999 cfs | Early Middle | 3.5 4.17 | 0.0318 0.0027 | 0.313258 0.267876 | -222.6055 222.0837 | 0.290097 0.437862 | 27 63 | 0.4170219 0.9456015 |
| | Late | 12.06 | <.0001 | 0.641238 | -32.98522 | 0.530937 | 32 | 0.0306708 |
| 55,000 - 65,999 cfs | Early Middle Late | 2.47 5.72 0.43 | 0.0141 <.0001 0.8521 | 0.191363 0.320218 0.108907 | -693.4945 4339.563 -292.6575 | 0.124282 0.018906 -0.29181 | 104 93 28 | 0.7428515 0.6731478 0.7293225 |
| 66,000 - 80,000 cfs | Early | 1.73 | 0.1604 | 0.019466 | -135.6812 | 0.388343 | 266 | 0.2776321 |
| | Middle | 10.69 | <.0001 | 0.074167 | -1213.22 | 0.058346 | 270 | 0.5010739 |
| | Late | 5.13 | 0.0021 | 0.095369 | -41.65737 | 0.458153 | 150 | 0.0364255 |

TABLE 3-5: RESULTS OF WALLER-DUNCAN K-RATIO TEST FOR Z SCORES BASED ON THE ANNUAL MEAN HOURLY AMERICAN SHAD COUNT SPLIT INTO EARLY, MIDDLE AND LATE RUNS AT THE EFL, 2001 - 2010. MEANS GROUPED WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

| Waller Grouping | Mean | N | Scenario |
|--------------------|---------|------------------|--------------|
| | 7,500 |) - 17,999 cfs - | early |
| Λ | 1.6014 | 19 | Units 3,7 on |
| Λ | 1.5409 | 6 | Units 4,7 on |
| A,B | 0.579 | 2 | Units 2,5 on |
| A,B | 0.5326 | 33 | Units 5,7 on |
| В | 0.1097 | 12 | Units 6,7 on |
| В | -0.2088 | 6 | Units 2,3 on |
| В | -0.3007 | 17 | Units 5,6 on |
| В | -0.3473 | 15 | Units 2,7 on |
| | 7,500 | - 17,999 cfs - 1 | niddle |
| | 0.9792 | 22 | Units 5,7 on |
| Λ | 0.9511 | 21 | Units 2,5 on |
| A,B | 0.1973 | 17 | Units 4,7 on |
| В | 0.1411 | 31 | Units 3,7 on |
| В | 0.0988 | 5 | Units 2,3 on |
| В | 0.0108 | 32 | Units 2,7 on |
| В | -0.0576 | 6 | Units 6,7 on |
| | 7,50 | 0 - 17,999 cfs - | - late |
| Λ | 0.2379 | 20 | Units 5,7 on |
| 1 | -0.0706 | 18 | Units 2,7 on |
| В | -0.6309 | 3 | Units 2,5 on |
| В | -0.6991 | 41 | Units 3,7 on |

18,000 - 27,999 cfs - early

Not enough data to calculate Waller groups

18,000 - 27,999 cfs -middle

| | 1 1000 | _ | ** ** * * * * |
|-----|---------|---------------|-------------------------|
| A | 1.1282 | 7 | Units 2,5,7 on |
| A,B | 0.9951 | 33 | Units 4,5,6,7 on |
| A,B | 0.6687 | 11 | Units 4,5,6,7 on |
| A,B | 0.3303 | 7 | Units 4,5,6 on |
| В | -0.3891 | 7 | Units 3,6,7 on |
| | | | |
| | 18,00 | 00 - 27,999 c | efs - late |
| A | 0.52 | 1 | Units 2,4,6,7 on |
| A | -0.1843 | 19 | Units 4,5,6,7 on |
| A | -0.2924 | 11 | Units 2,3,6,7 on |
| | 28,00 | 0 - 35,999 cj | fs - early |
| A | 2.5072 | 6 | Units 4,5,6,7,8 on |
| В | 0.1655 | 2 | Units 2,3,5,7,11 on |
| В | -0.0994 | 4 | Units 4,5,6,7 on |
| В | -0.5653 | 6 | Units 2,5,6,7,8,9 on |
| D | 0.000 | Ü | 2,5,0,7,0,9 011 |
| | 28,000 | - 35,999 cfs | s - middle |
| A | 1.7982 | 10 | Units 2,3,5,7,11 on |
| В | 0.257 | 5 | Units 4,5,6,7 on |
| В | -0.0152 | 9 | Units 4,5,6,7,10 on |
| В | -0.3233 | 7 | Units 4,5,6,7,8 on |
| В | -0.3278 | 10 | Units 4,5,6,7,9 on |
| В | -0.6055 | 2 | Units 2,5,6,7,8,9 on |
| | 28,00 | 00 - 35,999 c | rfs - late |
| A | -0.0736 | 7 | Units 2,5,6,7,8,9 on |
| A | -0.3022 | 1 | Units 4,5,6,7 on |
| A | -0.3644 | 7 | Units 4,5,6,7,9 on |
| A | -0.4926 | 2 | Units 4,5,6,7,10 on |
| | 36,00 | 0 - 44,999 cj | fs - early |
| A | 0.53 | 7 | Units 3,5,6,7,10 on |
| В | -0.093 | 2 | Units 4,5,6,7,8,9,10 on |
| В | -0.1813 | 6 | Units 4,5,6,7,10 on |
| В,С | -0.4654 | 2 | Units 4,5,6,7,11 on |
| | | | |

| В,С | -0.5238 | 2 | Units 4,5,6,7,8,10 on |
|-----|---------|--------------|----------------------------|
| C C | -0.9548 | 5 | Units 2,4,6,7,8,10 on |
| C | 0.50.10 | | 2, 1,0,7,0,10 011 |
| | 36,000 | - 44,999 cj | fs - middle |
| A | 1.4974 | 2 | Units 2,4,6,7,8,10 on |
| B,C | 0.8108 | 12 | Units 4,5,6,7,11 on |
| C | 0.0151 | 12 | Units 4,5,6,7,10 on |
| C,D | -0.2227 | 11 | Units 4,5,6,7,8,9,10 on |
| C,D | -0.485 | 7 | Units 3,4,5,6,8,9 on |
| C,D | -0.6345 | 13 | Units 4,5,6,7,8,10 on |
| | 36,00 | 00 - 44,999 | cfs - late |
| A | -0.0356 | 8 | Units 4,5,6,7,8,9,10 on |
| A | -0.3152 | 7 | Units 4,5,6,7,11 on |
| В | -0.4201 | 6 | Units 4,5,6,7,8,10 on |
| B,C | -0.5319 | 2 | Units 3,4,5,6,8,9 on |
| B,C | -0.5335 | 2 | Units 2,4,6,7,8,10 on |
| C | -0.8102 | 7 | Units 4,5,6,7,10 on |
| | 45,00 | 0 - 54,999 c | cfs - early |
| A | 0.5536 | 5 | Units 4,5,6,7,9,10 on |
| A | -0.4103 | 1 | Units 4,5,6,7,8,9,10,11 on |
| A | -0.4535 | 2 | Units 4,5,6,7,8,9,11 on |
| A | -0.4886 | 19 | Units 4,5,6,7,9,11 on |
| | 45,000 | - 54,999 cj | fs - middle |
| A | 1.4508 | 10 | Units 4,5,6,7,9,10 on |
| A,B | 0.7695 | 10 | Units 2,3,4,5,6,7,11 on |
| B,C | 0.4527 | 12 | Units 4,5,6,7,9,11 on |
| B,C | 0.22 | 16 | Units 4,5,6,7,8,9,10 on |
| B,C | 0.0352 | 6 | Units 2,3,4,5,6,7,8 on |
| C | -0.4201 | 9 | Units 4,5,6,7,8,9,11 on |
| | 45,00 | 00 - 54,999 | cfs - late |
| A | 0.272 | 2 | Units 4,5,6,7,8,9,10,11 on |
| В | -0.4729 | 4 | Units 4,5,6,7,9,10 on |
| В | -0.5512 | 4 | Units 4,5,6,7,9,11 on |
| В | -0.5742 | 12 | Units 2,3,4,5,6,7,8 on |

| В | -0.6547 | 10 | Units 4,5,6,7,8,9,11 on |
|-----|---------|-------------|------------------------------------|
| Б | -0.0347 | 10 | Omts 1 ,3,0,7,6,7,11 on |
| | 55,000 | 0 - 65,999 | cfs - early |
| A | 0.1757 | 43 | Units 2,3,4,5,6,7,8,9,10,11 on |
| Α | 0.0945 | 10 | Units 3,5,6,7,8,9,10,11 on |
| Α | 0.0504 | 5 | Units 4,5,6,7,8,10,11 on |
| Α | -0.011 | 5 | Units 4,5,6,7,8,9,10,11 on |
| A | -0.0367 | 8 | Units 1,2,3,4,5,6,7,8,9,11 on |
| Α | -0.2374 | 10 | Units 3,4,7,8,9,10,11 on |
| Α | -0.5192 | 4 | Units 1,2,3,4,5,6,7,8,9,10,11 on |
| Α | -0.6791 | 1 | Units 3,4,5,6,7,8,9,10,11 on |
| Α | -0.8293 | 1 | Units 4,5,6,7,9,10,11 on |
| A | -0.9042 | 17 | Units 3,4,6,7,8,9,10,11 on |
| | 55,000 | - 65,999 | cfs - middle |
| A | 2.2262 | 4 | Units 2,3,4,5,6,7,8,9,10,11 on |
| В | 0.275 | 3 | Units 1,2,3,4,5,6,7,8,9,11 on |
| В | 0.2502 | 10 | Units 3,5,6,7,8,9,10,11 on |
| В | 0.1402 | 33 | Units 4,5,6,7,8,9,10,11 on |
| В | -0.2392 | 9 | Units 3,4,5,6,8,9,10,11 on |
| В | -0.2498 | 4 | Units 1,2,3,4,5,6,7,8,9,10,11 on |
| В | -0.3253 | 14 | Units 4,5,6,7,9,10,11 on |
| В | -0.4621 | 16 | Units 3,4,5,6,7,8,9,10,11 on |
| | 55,00 | 00 - 65,999 |) cfs - late |
| A | -0.0436 | 11 | Units 4,5,6,7,8,9,10,11 on |
| A | -0.1186 | 4 | Units 1,2,3,4,5,6,7,8,9,10,11 on |
| A | -0.303 | 1 | Units 3,4,6,7,8,9,10,11 on |
| A | -0.3211 | 1 | Units 4,5,6,7,9,10,11 on |
| A | -0.5668 | 8 | Units 4,5,6,7,8,10,11 on |
| A | -0.6547 | 1 | Units 1,2,3,4,5,6,7,8,9,11 on |
| A | -0.702 | 2 | Units 3,4,5,6,8,9,10,11 on |
| | 66,00 | 0 - 80,000 | cfs - early |
| A | -0.1307 | 10 | Units 1,2,3,4,5,6,7,8,9,11 on |
| A | -0.2855 | 47 | Units 2,3,4,5,6,7,8,9,10,11 on |
| A | -0.4204 | 188 | Units 1,2,3,4,5,6,7,8,9,10,11 on |
| A | -0.4538 | 21 | Units 1,2,3,4,5,6,8,9,10,11 on |
| 1 1 | 0.7330 | ∠ 1 | 5 m 6 1,2,5, 1,5,0,0,7,10,11 on |

| 66,000 - | · <i>80,000</i> | cfs - | middle |
|----------|-----------------|-------|--------|
|----------|-----------------|-------|--------|

| A | 0.8254 | 13 | Units 2,3,4,5,6,7,8,9,10,11 on |
|---|---------|-----|----------------------------------|
| В | -0.1013 | 253 | Units 1,2,3,4,5,6,7,8,9,10,11 on |
| В | -0.2144 | 4 | Units 1,2,3,4,5,6,7,8,9,11 on |

66,000 - 80,000 cfs - late

| A | -0.39854 | 14 | Units 2,3,4,5,6,7,8,9,10,11 on |
|---|----------|-----|--------------------------------|
| A | -0.42522 | 10 | Units 3,4,6,7,8,9,10,11 on |
| A | -0.45011 | 117 | Units 1,2,3,4,5,6,7,8,9,11 on |
| В | -0.69208 | 9 | Units 1,2,3,4,5,6,8,9,10,11 on |

TABLE 3-6: ANOVA RESULTS USING A Z SCORE BASED ON THE DAILY MEAN HOURLY GIZZARD SHAD COUNTS AT THE EFL, 2001 - 2010. ALL TESTS ARE SIGNIFICANT.

| Flow Interval | F value | Probability of > F | R-Square | Coefficient of Variation | Z Score Mean | N | Error Mean Square |
|---------------------|---------|--------------------|----------|--------------------------|-----------------|-----|----------------------|
| 7,500 - 17,999 cfs | 4.37 | 0.0001 | 0.087836 | -523.2442 | -0.18055 | 326 | 0.892488 |
| 18,000 - 27,999 cfs | 3.84 | 0.0016 | 0.160903 | -194.4997 | -0.364078 | 127 | 0.50145005 |
| , , | | | | | | | |
| 28,000 - 35,999 cfs | 5.55 | 0.0002 | 0.278168 | -4431.379 | -0.019914 | 78 | 0.77877698 |
| 36,000 - 44,999 cfs | 2.94 | 0.0074 | 0.164074 | 267.6327 | 0.305225 | 113 | 0.66729745 |
| 45,000 - 54,999 cfs | 2.73 | 0.0227 | 0.105284 | 1106.576 | 0.085791 | 122 | 0.9012427 |
| 55,000 - 65,999 cfs | 3.54 | 0.0002 | 0.141885 | 454.2813 | 0.223101 | 225 | 1.0271942 |
| 66,000 - 80,000 cfs | 3.45 | 0.0083 | 0.019877 | -3050.375 | -0.0292 | 686 | 0.7933846 |

TABLE 3-7: RESULTS OF THE WALLER-DUNCAN K-RATIO TEST FOR Z SCORES BASED ON THE ANNUAL MEAN HOURLY GIZZARD SHAD COUNT IN AT EFL, 2001 - 2010. MEANS GROUPED WITH THE SAME LETTER ARE NO SIGNIFICANTLY DIFFERENT.

| Waller | | | |
|----------|---------|-----------------|-------------------------|
| Grouping | Mean | N | Scenario |
| | | | |
| | | 7,500 - 17,999 |) cfs |
| A | 0.124 | 75 | Units 5,7 on |
| A,B | -0.0999 | 23 | Units 4,7 on |
| A,B | -0.1418 | 91 | Units 3,7 on |
| A,B | -0.169 | 65 | Units 2,7 on |
| В,С | -0.4105 | 11 | Units 2,3 on |
| B,C | -0.419 | 18 | Units 6,7 on |
| B,C | -0.631 | 17 | Units 5,6 on |
| C | -0.8777 | 26 | Units 2,5 on |
| | | 18,000 - 27,999 | 9 cfs |
| A | 0.3319 | 11 | Units 2,3,6,7 on |
| A,B | 0.0032 | 15 | Units 3,4,6,7 on |
| В,С | -0.4138 | 68 | Units 4,5,6,7 on |
| B,C | -0.44 | 7 | Units 4,5,6 on |
| В,С | -0.4936 | 7 | Units 3,6,7 on |
| C | -0.6721 | 7 | Units 2,5,7 on |
| C | -0.8802 | 12 | Units 2,4,6,7 on |
| | | 28,000 - 35,999 | 9 cfs |
| A | 1.229 | 10 | Units 4,5,6,7,9 on |
| В | 0.2861 | 11 | Units 4,5,6,7,10 on |
| В,С | -0.1574 | 15 | Units 2,5,6,7,8,9 on |
| B,C | -0.2905 | 20 | Units 4,5,6,7,8 on |
| B,C | -0.3615 | 12 | Units 2,3,5,7,11 on |
| C | -0.4481 | 10 | Units 4,5,6,7 on |
| | | 36,000 - 44,999 | 9 cfs |
| A | 0.7798 | 9 | Units 3,4,5,6,8,9 on |
| A,B | 0.6825 | 20 | Units 4,5,6,7,10 on |
| A,B | 0.6018 | 21 | Units 4,5,6,7,8,9,10 on |
| | | | |

| A,B,C | 0.2351 | 21 | Units 4,5,6,7,8,10 on |
|-------|---------|---------------------|---------------------------------------|
| A,B,C | 0.0655 | 7 | Units 3,5,6,7,10 on |
| В,С | -0.0796 | 7 | Units 3,4,5,6,8,10 on |
| В,С | -0.0853 | 21 | Units 4,5,6,7,11 on |
| C | -0.2664 | 7 | Units 2,4,6,7,8,10 on |
| | | 45,000,540 | , , , , , , , , , , , , , , , , , , , |
| | 4 | 45,000 - 54,9 | 999 cJs |
| A | 0.6456 | 10 | Units 2,3,4,5,6,7,11 on |
| A,B | 0.583 | 19 | Units 4,5,6,7,8,9,10 on |
| A,B | 0.1869 | 21 | Units 4,5,6,7,8,9,11 on |
| B,C | -0.0762 | 19 | Units 4,5,6,7,9,10 on |
| C | -0.1598 | 18 | Units 2,3,4,5,6,7,8 on |
| C | -0.1905 | 35 | Units 4,5,6,7,9,11 on |
| | | 55 000 <i>(</i> 5 0 | |
| | : | 55,000 - 65,9 | 999 cJs |
| A | 1.0503 | 18 | Units 3,4,6,7,8,9,10,11 on |
| A | 0.8729 | 11 | Units 3,4,5,6,7,9,10,11 on |
| A,B | 0.7028 | 12 | Units 1,2,3,4,5,6,7,8,9,11 on |
| A,B,C | 0.4096 | 17 | Units 3,4,5,6,7,8,9,10,11 on |
| A,B,C | 0.4064 | 47 | Units 2,3,4,5,6,7,8,9,10,11 on |
| B,C | 0.0874 | 20 | Units 3,5,6,7,8,9,10,11 on |
| B,C | 0.007 | 10 | Units 3,4,7,8,9,10,11 on |
| C | -0.063 | 13 | Units 4,5,6,7,8,10,11 on |
| C | -0.1273 | 16 | Units 4,5,6,7,9,10,11 on |
| C | -0.1817 | 49 | Units 4,5,6,7,8,9,10,11 on |
| C | -0.2387 | 12 | Units 1,2,3,4,5,6,7,8,9,10,11 on |
| | • | 66,000 - 80,0 | 000 cfs |
| | • | 00,000 | 00 2 35 |
| A | 0.7514 | 14 | Units 1,2,3,4,5,6,7,8,9,11 on |
| A,B | 0.1514 | 30 | Units 1,2,3,4,5,6,8,9,10,11 on |
| A,B | 0.0094 | 74 | Units 2,3,4,5,6,7,8,9,10,11 on |
| A,B | -0.0584 | 558 | Units 1,2,3,4,5,6,7,8,9,10,11 on |
| В | -0.3228 | 10 | Units 3,4,6,7,8,9,10,11 on |
| | | | |

TABLE 3-8: WILCOX RESULTS USING A MEAN Z SCORE OF AMERICAN SHAD AND GIZZARD SHAD TO RANK THE STATION OPERATION SCENARIOS AT CONOWINGO DAM, 2001 - 2010.

| Flow Interval | N | American shad Wilcoxon Score Mean | Gizzard shad Wilcoxon Score Mean | Wilcoxon statistic | Two sided t test approximation Probability |
|---------------------|----|--|--|-----------------------|--|
| riow interval | IN | Score Mean | Score ivicali | Statistic | of $> Z $ |
| 7,500 - 17,999 cfs | 8 | 11.5 | 5.5 | 92.0 | 0.0261 |
| 18,000 - 27,999 cfs | 7 | 10.29 | 4.71 | 72.0 | 0.0305 |
| 28,000 - 35,999 cfs | 6 | 7.33 | 5.67 | 44.0 | 0.4862 |
| 36,000 - 44,999 cfs | 8 | 6.125 | 10.88 | 49.0 | 0.0710 |
| 45,000 - 54,999 cfs | 6 | 6.33 | 6.67 | 38.0 | 0.9376 |
| 55,000 - 65,999 cfs | 11 | 8.55 | 14.45 | 94.0 | 0.0479 |
| 66,000 - 80,000 cfs | 5 | 3.60 | 7.40 | 18.0 | 0.0928 |

TABLE 3-9: RADIO-TAGGED AMERICAN SHAD THAT MADE SUCCESSFUL OR UNSUCCESSFUL FORBAYS INTO THE EFL IN 2010.

| Discharge Range (cfs) | Turbines On | Successful Forays | Unsuccessful Forays |
|-----------------------|-----------------------|----------------------|------------------------|
| 7.500.17.000 | 2,5 | 14 | 12 |
| 7,500-17,999 | 2,7 | 0 | 1 |
| | 2,5,6 | 1 | 0 |
| 18,000-27,999 | 2,5,7 | 9 | 4 |
| | 2,5,6,7 | 0 | 4 |
| | 2,5,6,7,8 | 4 | 8 |
| 28,000-35,999 | 4,5,6,7,8 | 0 | 1 |
| | 2,5,6,7,8,9 | 0 | 3 |
| 36,000-44,999 | 4,5,6,7,8,9,11 | 1 | 0 |
| 45,000-54,999 | 2,3,4,5,6,7,8 | 1 | 3 |
| 55,000,65,000 | 1,2,3,4,5,6,8,9 | 1 | 0 |
| 55,000-65,999 | 2,3,4,5,6,7,8,9,11 | 5 | 2 |
| | 2,3,4,5,6,7,8,9,10,11 | 2 | 0 |
| 66,000-88,000 | 1-7,8,9,11 | 1 | 2 |
| | 1-7,8-11 | 2 | 0 |
| | Total # of Forays | 41 | 40 |

FIGURE 2-1: JULIAN DATE PLOT TO DETERMINE PEAK RUN FOR AMERICAN SHAD.

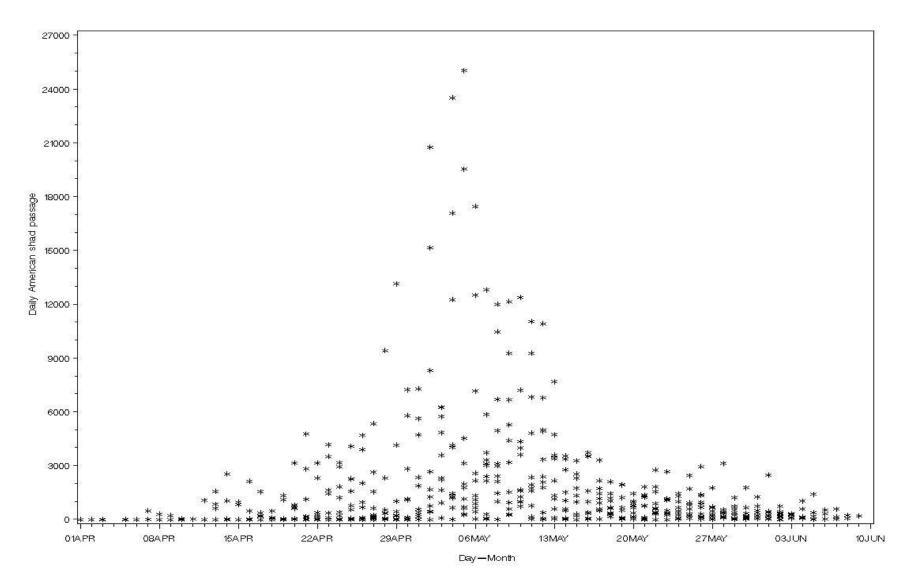


FIGURE 2-2: PASSAGE DATA SEGREGATED INTO INCREMENTS OF TOTAL STATION DISCHARGE.

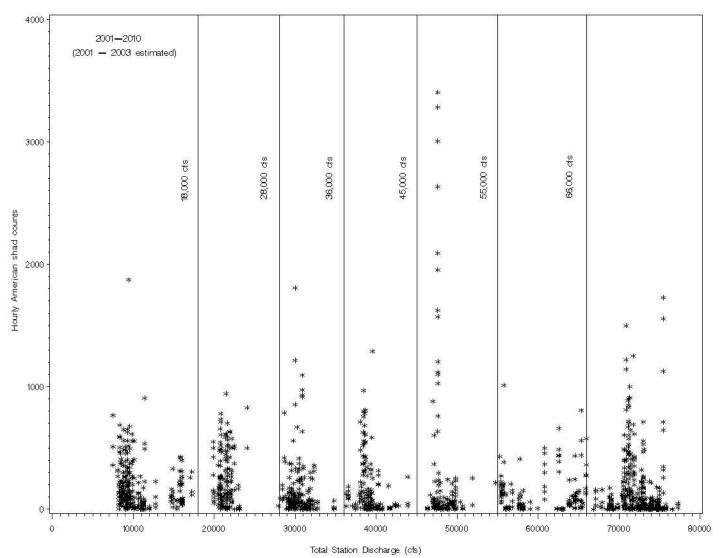


FIGURE 2-3: PERCENTILE BOXPLOT ILLUSTRATING A NORMAL DISTRIBUTION. THE HORIZONTAL LINES OF A BOX PLOT MARK THE 10TH PERCENTILE, THE 25TH PERCENTILE (FIRST QUARTILE), THE 50TH PERCENTILE (MEDIAN OR SECOND QUARTILE), THE 75TH PERCENTILE (THIRD QUARTILE), AND THE 90TH PERCENTILE. A DASHED LINE MARKS THE MEAN VALUE. WHEN THE 5_95 PERCENTILE OPTION IS CHECKED, TWO SYMBOLS WILL BE PLOTTED AT THE 5TH PERCENTILE AND THE 95TH PERCENTILE RESPECTIVELY. TWO LIMIT LINES AT THE MINIMUM VALUE AND MAXIMUM VALUE WILL BE DRAWN WHEN THE LIMIT LINES OPTION IS CHECKED.

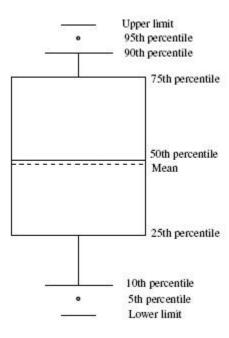
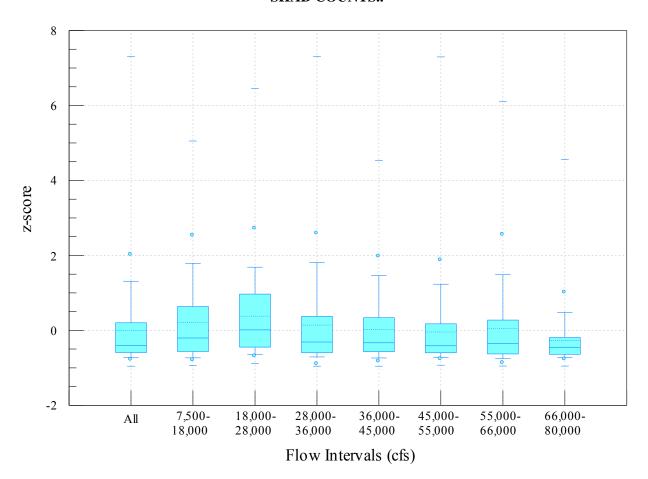
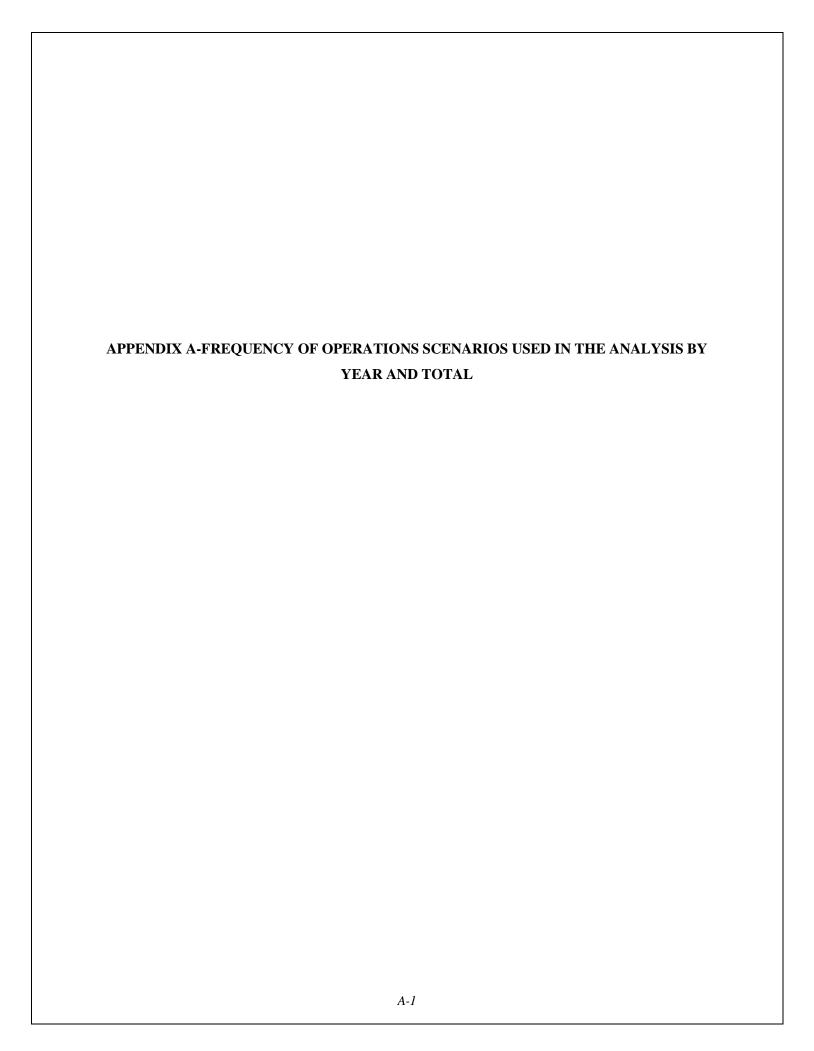


FIGURE 2-4: PERCENTILE BOX PLOTS SHOWING THE DEVIATIONS FROM NORMALITY OF Z SCORES BASED ON THE ANNUAL MEAN OF THE HOUR AMERICAN SHAD COUNTS...





Station operation scenarios broken out by half hourly total station discharge (estimated 2001 - 2003 using each units average discharge when it was on), April 25 to May 21, 2001 - 2010.

| | | | | | 2001 - 7.50 | 00-18,000cf | • | | | | |
|---------|---------|----------|---------|------------------|------------------------|-------------|-----------|-----------|----------|-----------|--------|
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| _1 | _2 | _3 | _4 | _5 | _6 | _7 | _8 | _9 | _10 | _11 | count |
| | | on | | | | on | | | | | 79 |
| | on | | | | | on | | | | | 22 |
| | | | on | | | on | | | | | 10 |
| | | on | | on on | | on | | | | | 7 5 |
| | | on on | | OH | | | | | | | 1 |
| | | on | | on | | on | | | | | 1 |
| | | . | | 0 | | . | | | | | · |
| | | | | 2001 | - 18,000-28 | ,000cfs | | | | | |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| | | | | | | | | | | | |
| | | on | | | | on | | | | | 5 |
| | on | on | | on | | on | | | | | 2 |
| | on | | | | | on | | | | | 1 |
| | | | | | 2001 - 28,0 | 00-36 000cf | 's | | | | |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| | | | | 20 | 2 | | 2 | | | | |
| | on | on | | on | | on | | | | on | 12 |
| | on | on | | on | | on | | on | | | 6 |
| | on | | | | | on | | on | on | | 4 |
| | | on | | on | on | on | | | on | | 2 |
| | on | on | | | on | on | on | | | | 1 |
| | on | on | | on | | on | | | on | | 1 |
| | | | | 2004 | 26 000 45 | 000ofo | | | | | |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | 2001 Unit 5 | - 36,000-45, Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| Offici | Offic 2 | Offic 5 | Offic 4 | OTIR 3 | Office | Offic 7 | Offico | Office | Offic 10 | Offic 11 | 111 |
| | on | on | | on | | on | | | on | on | 3 |
| | on | on | | on | | on | | on | on | | 2 |
| | | on | | | | on | | on | on | on | 1 |
| | | on | | on | on | on | | on | | on | 1 |
| | on | | | | | on | | on | on | | 1 |
| | on | on | | | on | on | on | | | | 1 |
| | on | on | | on | | on | | | on | | 1 |
| | on | on | | on | | on | | on | | | 1 |
| | | | | 2001 | 45,000-55 | 000cfs | | | | | |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| O m r | OTHIC E | Onico | O i iii | O i iii o | OTHE O | OTHE T | O i iii C | O i iii o | OTHE TO | Ome 11 | |
| | on | on | | on | | on | | on | on | on | 4 |
| | on | on | | on | | on | on | on | on | on | 2 |
| | on | on | | on | | on | | | on | on | 1 |
| | on | on | | on | | on | | on | | on | 1 |
| | on | on | | on | | on | | on | on | | 1 |
| | on | on | on | on | on | on | on | on | on | on | 1 |
| | | | | 0004 | EE 000 00 | 000of- | | | | | |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | 2001 - Unit 5 | - 55,000-66, Unit 6 | Unit 7 | Init 0 | Linit O | Unit 10 | l Init 11 | N |
| OTIIL I | Utill 2 | UIIII 3 | Utill 4 | UIII 5 | UIIII 6 | Utill 7 | Unit 8 | Unit 9 | Utill 10 | Unit 11 | IN |
| | on | on | on | on | on | on | on | on | on | on | 43 |
| | on | on | on | . | on | on | on | on | on | on | 2 |
| | on | on | on | on | on | on | on | | on | on | 2 |
| | on | on | | | | on | on | on | on | on | 1 |
| | on | on | | on | | on | | on | on | on | 1 |
| | on | on | | on | | on | on | on | on | on | 1 |
| | on | on | on | on | on | on | on | on | on | on | 11 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
|---------|----------|----------|----------|----------------|------------------------|------------------------|----------|----------|----------|-----------|----------|
| | | | | on | on | | | | | | 7 |
| | | | | | | 000-6- | | | | | |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | 2002 Unit 5 | - 18,000-28 Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| | | on | | on | on | on | | | | | 2 |
| | | on | | on | on | on | | | | | 2 |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | 2002 - 28,0 Unit 6 | 00-36,000cfs Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| Office | Offit 2 | Offic 3 | Offit 4 | Offic 3 | Office | Offic 7 | Office | Offic 9 | Offic 10 | Offic 11 | IN |
| | | | on | on | on | on | | | | | 1 |
| | | | | | - 36,000-45 | | | | | | |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | <u>N</u> |
| | | | on | on | on | on | | on | | on | 2 |
| | | on on | | on on | on on | on on | | on | | | 1 1 |
| | | | | | | | | | | | · |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | 2002 Unit 5 | - 45,000-55, Unit 6 | ,000cfs Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| | | | | | | | | | | | |
| | | | on on | on on | on on | on on | on | on | on | on | 24 3 |
| | | on | on | on | | on | on | on | | on | 3 |
| | on | | | on | on | on | | on | | on | 3 |
| | on on | on | on | on | on on | on on | | on on | | on on | 3 2 |
| | OII | | OII | | | | | OII | | OH | ۷ |
| 11.2.4 | 11.70 | 11.70 | 11.2.4 | | - 55,000-66 | | 11.77.0 | 11.70 | 11 2 40 | 11.24.44 | |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| | | on | | on | on | on | on | on | on | on | 10 |
| | | | on | on | on | on | on | on | on | on | 5 |
| | | | on | on | on | on | | on | on | on on | 1 1 |
| | | | on on | on on | on on | on on | on | on | on on | OH | 1 |
| | | on | on | on | 0 | on | on | on | . | on | 1 |
| | | on | on | on | on | on | on | on | on | on | 1 |
| | on | on | on | | on | on | | on | | on | 1 |
| on | on | on | on | on | | on | on | on | | on | 1 |
| | | | | | - 66,000-80 | | | | | | |
| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | N |
| | | | | | | | | | | | |
| on | on | on | on | on | on | on | on | on | on | on | 82 |
| | on | on on | on on | on on | on on | on on | on on | on on | on on | on on | 18 4 |
| on | | on | on | on | on | on | on | on | on | on | 4 |
| | | | on | on | on | on | on | on | on | on | 1 |
| | | | | | | | | | | | |
| | | | | | | 00-18,000cfs | | | | | |
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CONOWINGO EAST FISH LIFT ATTRACTION FLOWS RSP 3.6

CONOWINGO HYDROELECTRIC PROJECT

FERC PROJECT NUMBER 405



Prepared for:



Prepared by:

Normandeau Associates, Inc.

Gomez and Sullivan Engineers, P.C.

February 2011

EXECUTIVE SUMMARY

Exelon Generation Company, LLC (Exelon) has initiated with the Federal Energy Regulatory Commission (FERC) the process of relicensing the 573-megawatt Conowingo Hydroelectric Project (Conowingo Project). The current license for the Conowingo Project was issued on August 14, 1980 and expires on September 1, 2014. FERC issued the final study plan determination for the Conowingo Project on February 4, 2010, approving the revised study plan with certain modifications.

The final study plan determination required Exelon to conduct a Conowingo East Fish Lift (EFL) Attraction Flow Study, which is the subject of this report. The objectives of this study are to: 1) review and analyze applicable data from 2000 through 2009 under the designation of historical data, (if available), as it relates to Conowingo turbine and EFL operation data; 2) analyze and report turbine on/off times, duration of turbine operation, and water temperature, in conjunction with attraction flow velocity data and hourly fish passage data, (American and gizzard shad), for 2010; and 3) analyze and report 2010 Conowingo station operation and fish passage data in conjunction with the passage of radio-telemetered American shad from Conowingo RSP 3.5-Upstream Fish Passage Effectiveness Study.

Hourly American shad passage, in conjunction with station generation scenarios for the 2001 through 2010 American shad spring migration seasons, was analyzed using a standard T-test. A total of 292 different combinations of turbine operation occurred during EFL operations during this 10-year period. Several of these turbine combinations occurred infrequently and were not analyzed due to insufficient data. Seven specific turbine generation scenarios account for 43.1% of operation during EFL operations.

Turbine generation scenarios during EFL operations (2001 through 2010) varied from the operation of two Francis and zero Kaplan turbines to all seven Francis and all four Kaplan turbines generating. The most common generation scheme used was all 11 units operating and accounted for nearly 23% of the total operating time. Three various combinations of two Francis turbines and zero Kaplan turbines accounted for a combined total of 10.5% of total operating time. The three remaining most common generation schemes, (four Francis and four Kaplan turbines, four Francis and zero Kaplan turbines, and six Francis and four Kaplan turbines), occurred 2.7% to 3.7% of the total operating time. Remaining turbine generation schemes each accounted for 1% or less of total operating time. Although some generation schemes scored higher or lower values in relation to hourly American shad passage, the significance of the results may be misleading. Since one generation scheme, (seven Francis, four Kaplan), occurred during nearly 23% of the total time of EFL operation, the data points are not evenly distributed among those generation schemes analyzed. Thus, the data are heavily weighted toward the seven Francis

and four Kaplan scenario since the majority of the other generation schemes occurred less than 1% of the time during the 10-year study period.

Turbine generation schemes, EFL equipment settings, water temperature, and tailrace water levels were compared to hourly American and gizzard shad passage values by Pearson Correlation analysis. Only small significant correlations were observed with values generally less than 2.0 for hourly fish passage. The analysis did not point to one specific generation scheme or a combination of settings and conditions that consistently provided high fish passage values. Four generation conditions related to lower passage rates for American shad involve the use of one or two Kaplan turbines, (usually #8 and/or #9), in conjunction with various Francis turbines. Personnel operating the EFL noted that a large eddy forms during the operation of turbines 8 and/or 9. The eddy pushes the attraction flow water from entrance gate C eastward into the spillway area, possibly impeding or diminishing the ability to attract fish into the EFL through gate C. However, analysis of the radio-tagged American shad that were detected in the EFL during operations in 2010 did not show that fish attraction to the EFL was diminished when Kaplan turbines 8 and/or 9 were operating. A total of six radio-tagged shad passed into Conowingo Pond while 14 other tagged shad made forays into the EFL during operation of turbines 8 and/or 9. Entrance gate C, which discharges attraction water downstream and adjacent to the wing wall, is generally operated whenever any of the Kaplan turbines are in use since discharges from these turbines nullify attraction flows from entrance gates A and B.

In 2010, two distinct 7-day periods during EFL operations accounted for the passage of 26,381 American shad, 70% of the total shad passed during the entire season. During these 14 days, the EFL was operated nearly 146 hours and encountered fourteen different turbine generation scenarios. No relationship between turbine generation/Project flow and passage of American shad was evident. Although minimum flow generation resulted in the passage of 66% of the total shad passed during the 14-day period, the calculated weighted mean for shad passage during minimum flow generation (259 shad/hr) was lower than the weighted mean observed during the operation of 6 or 7 Francis turbines and 3 Kaplan turbines (314 shad/hr). The remaining generation scenarios occurred 8.8% or less during the 14-day period ranging from 1.9 hours to 12.8 hours of operation. Attraction flow water velocities were measured daily during EFL operations from April 9 through June 6, 2010. Fish passage did not appear to be highly correlated to attraction water velocities as fish passage occurred over a range of water velocities and other operating conditions.

A total of 89 radio-tagged American shad were monitored for presence in and passage through the EFL facility. Sixty-five (65) of these 89 tagged shad were detected within the EFL (73% fishway attraction

effectiveness). Forty (40) of the 65 tagged shad detected in the EFL successfully passed upstream into Conowingo Pond. The remaining 25 radio-tagged American shad made forays into sections of the EFL but did not pass upstream. The overall passage efficiency of radio-tagged shad (40 shad of 89 shad detected in tailrace) was 44.9%. Successful passage of radio-tagged American shad occurred on 16 separate days from April 30 to May 24, 2010. Passage days did not appear to be strongly oriented towards weekday or weekend operation scenarios.

Historic data (2001 – 2009) and data from 2010 provide a wealth of information relative to the performance of the EFL. These data show that the EFL is effective at attracting 73% of the American shad in the tailrace although not all of these fish successfully pass upstream to Conowingo Pond. Analyses of ten years of data do not show a relationship between turbine generation schemes, EFL equipment settings, water temperature and tailrace levels and effectiveness of the EFL. Data from shad radio-tagged in 2010 provided showed that 73% of the shad in the tailrace were attracted to and entered the EFL during various turbine generation scenarios, attraction flow velocities, and EFL equipment settings. EFL operators have observed that operation of two Kaplan units creates a large eddy that appears to affect the flow of attraction flow from entrance gate C although the operation of these units in 2010 did not appear to affect the attraction of radio-tagged shad to the EFL.

Although there does not appear to be any opertional variables that will consistently provide the best fish passage conditions or guarantee higher rates of successful upstream passage, there appear to be conditions within the EFL that may be affecting successful upstream passage. The fishway attraction effectiveness value (73%) clearly shows that American shad are successfully entering the EFL, but the overall rate of successful passage upstream to Cononwingo Pond (44.9%) indicates that not all are passing through the crowder and being lifted up to the trough.

It appears that the attempts to improve the upstream passage of American shad should focus on the EFL rather than instituting specific flow regimes or operational schemes. Improving conditions within the EFL to ensure that a greater percentage of shad that enter the lift will successfully pass upstream would be more beneficial that any limited "improvements" to attraction effectiveness that may be related to station generation. Furthermore, the ability to implement changes to station operation cannot be assured as it will depend on conducive natural river flows. Addressing the issue of American shad that enter the EFL but fail to pass upstream may yield far better passage results and is not dependant upon natural conditions (e.g. river flows or water temperatures) that are beyond the project's control.

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LIST OF ABBREVIATIONS

cfs cubic feet per second

EFL East Fish Lift

Exelon Exelon Generation Company, LLC FERC Federal Energy Regulatory Commission

fps feet per second ft foot/feet

ILP Integrated Licensing Process

MW megawatt NOI Notice of Intent

PAD Pre-Application Document PSP Proposed Study Plan RSP Revised Study Plan

USFWS United States Fish and Wildlife Service

1.0 INTRODUCTION

Exelon Generation Company, LLC (Exelon) has initiated with the Federal Energy Regulatory Commission (FERC) the process of relicensing the 573-megawatt (MW) Conowingo Hydroelectric Project (Project). Exelon is applying for a new license using the FERC's Integrated Licensing Process (ILP). The current license for the Conowingo Project was issued on August 14, 1980 and expires on September 1, 2014.

Exelon filed its Pre-Application Document (PAD) and Notice of Intent (NOI) with FERC on March 12, 2009. On June 11 and 12, 2009, a site visit and two scoping meetings were held at the Project for resource agencies and interested members of the public. Following these meetings, formal study requests were filed with FERC by several resource agencies. Many of these study requests were included in Exelon's Proposed Study Plan (PSP), which was filed on August 24, 2009. On September 22 and 23, 2009, Exelon held a meeting with resource agencies and interested members of the public to discuss the PSP.

Formal comments on the PSP were filed with FERC on November 22, 2009 by Commission staff and several resource agencies. Exelon filed a Revised Study Plan (RSP) for the Project on December 22, 2009. FERC issued the final study plan determination for the Project on February 4, 2010, approving the RSP with certain modifications.

The final study plan determination required Exelon to conduct a Conowingo East Fish Lift Attraction Flow Study, which is the subject of this report. The objectives of this study are to: 1) review and analyze applicable data from 2000 through 2009 under the designation of historical data (if available) as it relates to Conowingo turbine and East Fish Lift (EFL) operation data; 2) analyze and report turbine on/off times, duration of turbine operation, spill data, if applicable, and water temperature, in conjunction with attraction flow velocity data and hourly fish passage data, (American shad, *Alosa sapidissima*; alewife, *Alosa pseudoharengus*, blueback herring, *Alosa aestivalis*; and gizzard shad, *Dorosoma cepedianum*), for 2010; and 3) analyze and report 2010 Conowingo station operation and fish passage data in conjunction with the passage of radio-telemetered American shad from Conowingo RSP 3.5-Upstream Fish Passage Effectiveness Study.

2.0 DESCRIPTION OF EXISTING CONOWINGO EAST FISH LIFT FACILITY

Construction of the EFL commenced in April 1990 and the lift was operational by spring of 1991. The EFL was designed according to United States Fish and Wildlife Service (USFWS) guidelines and specifications and resulted from extensive study, design review, hydraulic modeling, and discussion with resource agencies. The Conowingo East Fish Passage Facility Fact Sheet and schematic can be found in Appendix A.

2.1 Current Operation of Conowingo East Fish Lift Facility

The EFL is located to the east of the four large Kaplan units and adjacent to the deflection wall, which separates the tailrace from the spillway (Figure 2.1-1). Source water for the EFL is provided through the use of two spillway attraction flow gates. The EFL consists of three entrance gates, (upstream weir gates A and B, and downstream weir gate C) which are 14 ft high by 10 ft wide, and two diffusers (A and B), that supply additional attraction water to the entrance gates. Each entrance gate was designed to discharge 300 cfs of attraction flow water, (900 cfs total if all entrances are open), creating velocities ranging from two to six fps. The A and C entrance gates border the powerhouse and deflection wall respectively, with B gate (no longer used due to ineffectiveness) located directly downstream of the crowder. The specific entrance gate used to attract shad is dictated by which turbines are operating. When only the small Francis turbines (units 1 through 7) are operating, A gate is fished; when any Kaplan turbine (units 8 through 11) is operating, C gate is fished. The entrance gate is adjusted according to tailrace water level. Normally, the entrance gate is positioned to provide a slope of water (not a waterfall) for fish to swim up and through when entering the EFL. Positioning the gate in this manner appears to add some velocity to the attraction water as it flows from the EFL and slightly increases the water level inside the facility compared to the tailrace level.

The EFL merges into a single crowder channel upstream of the entrance gates. Entering the crowder channel, the fish pass through the crowder. The crowder gates are slightly opened in a v-shape, allowing fish to enter, but making it difficult to leave. Once a number of fish have passed through the crowder gates, the gates are closed. The crowder screen upstream of the crowder is raised allowing the fish to swim over the submerged hopper at the upstream end of the crowder channel. The crowder is moved forward, concentrating the fish into the area immediately over the hopper. The crowder screen is lowered into position, trapping the fish. The fish-filled hopper is then raised to the exit trough. As the 3,500 gallon hopper is raised to the trough, the crowder is returned downstream to its fishing position. When the hopper reaches the trough, the hopper door is opened and the fish and water released. The fish trough is

14 ft wide x 12 ft high x 190 ft long. On their own volition, the fish swim past a viewing window situated in a constricted area of the trough before heading upstream into Conowingo Pond.

Fishing time and/or lift frequency is determined by fish abundance, but the hopper is cycled at least once per hour during EFL daily operations. The time between lifts and number of lifts conducted each day is influenced by fish abundance. When large numbers of fish are in the crowder channel, the crowder screen is raised and lowered without moving the crowder to trap fish over the hopper. This mode of operation, called "fast fish", involves leaving the crowder in the fishing position and raising the hopper frequently to remove fish in the crowder channel. When fished normally, a single lift cycle takes approximately 15 minutes to complete. When "fast fished", the lift cycle time is reduced and takes about twelve minutes.

The operational guidelines for EFL operation were based on the hydraulic model developed by Stone & Webster Engineering Corporation and on comments and operational criteria set by the USFWS. The operational matrix charts developed for lift operations use the relationship between Conowingo Pond elevation, tailrace elevation, and attraction flow. During start-up testing in 1991, the charts were revised to reflect actual operating conditions. It was discovered that the discharge boils from operating Units 10 and 11 masked the attraction water flowing out of upstream weir gates A and B. To address this effect, new matrix charts were developed based on pond and tailrace elevation and turbine unit operation; these charts listed the various gate settings for lift operation. Settings are changed throughout the day to correspond to changes in hydraulic conditions and fish passage conditions.

The Conowingo Project uses limited active storage within Conowingo Pond for generation purposes. Maximum hydraulic capacity of the Conowingo powerhouse is 86,000 cfs. The current minimum flow regime below Conowingo Dam was formally established with the signing of a settlement agreement in 1989 between the Project owners and several federal and state resource agencies (46 FERC ¶61,063) (FERC 1989). The established minimum flow regime below Conowingo Dam during fish lift operations is the following:

- April 1 April 30 : 10,000 cfs or natural river flow, whichever is less
- May 1 May 31 : 7,500 cfs or natural river flow, whichever is less
- June 1 September 14 : 5,000 cfs or natural river flow, whichever is less

Annually, EFL operations are scheduled to start on or about April 1 (if water temperature is 50° F or higher and no spillage). EFL operations end in early to mid-June (with agency concurrence, based on water temperature and shad spawning condition). The EFL is operated from approximately 0730 hrs to 1900 hrs daily (based on hourly shad passage).

3.0 METHODS

The following methods were used to meet the study objectives:

- Collection of attraction water velocity data during 2010.
- Historical Data Analysis (2001-2009): Station generation, EFL settings, and hourly passage of American and gizzard shad.
- 2010 EFL and Conowingo station operation vs. hourly passage of American and gizzard shad.
- 2010 American shad passage in comparison to passage of radio-telemetered American shad.

Data used for this study included EFL equipment settings for operating weir gate(s), crowder-area gate, diffuser gates, and attraction flow gates; turbine on/off data for each year analyzed; hourly passage of American shad and gizzard shad for each year analyzed; attraction flow water velocity measurements (fps) collected in 2010; and water temperature. EFL equipment settings were gleaned from annual EFL operator's logs and formatted into an Excel spreadsheet, turbine on/off data were supplied by Exelon, hourly American shad passage data were obtained from annual Conowingo EFL reports provided to the Susquehanna River Anadromous Fish Restoration Committee (Normandeau Associates 2001-2010), and the attraction flow water velocity measurements were collected using two Marsh McBirney Flo-Mate 2000 portable flow meters (factory calibrated prior to use). Velocity measurements were collected just upstream of the operating weir gate (A or C) in use. Measurements were collected hourly unless station generation or lift settings changed. Factory calibration sheets for the velocity meters and data collection photos are shown in Appendix A. Data of radio-telemetered American shad that entered or passed the EFL in 2010 are from Conowingo RSP 3.5-Upstream Fish Passage Effectiveness Study and are presented in Appendix D, Tables 1, 2, and 3.

The intent of the historical data analysis (2001 – 2009) and analysis of the 2010 data was to compare Conowingo Station generation data and EFL operational data to the hourly fish passage data for the purpose of identifying specific conditions or trends that may promote or enhance fish passage. The historical data trends were compared to those observed/recorded during EFL operations in 2010 (including passage of radio-tagged American shad) to determine if data from 2010 were similar to historic trends. Specific conditions that consistently relate to above average fish passage rates may be useful in formulating a revised EFL operating protocol, if necessary.

A comparison of hourly fish passage to spill operations was not performed since the EFL is seldom operated during spill events. River flows greater than station capacity (86,000 cfs) occurred approximately 25%, 7%, and 4% in April, May, and June, respectively per USGS Conowingo gage # 01578310 for years 1968 through 2009 (Figures 3.0-1, 3.0-2, and 3.0-3) When river flows increase to above station capacity and spill gates are opened to release additional water, the tailrace level rises to a point that reduces the effectiveness of the EFL's attraction water. Depending on the number of spill gates that are open, the tailrace may rise to a level slightly higher than the entrance gates that are in the closed position resulting in disruption of water flow inside the EFL.

A separate analysis of river herring (alewife and blueback herring) passage to EFL settings and turbine generation schemes was not performed because relatively few herring have been present in the EFL during the historic period. Since 2002, river herring catches at the Conowingo Dam fish lifts have been consistently low (SRAFRC 2010), and the low catches in the EFL is concurrent with a coastwide decline in river herring populations (ASMFC 2007). Herring passage generally coincides with EFL operation during the adult shad upstream migration season, therefore they are exposed to the same EFL operating conditions and turbine generation schemes as American shad. The ability of blueback herring to ascend denil and Alaska steeppass fishways is similar to that of American shad (Haro *et al.* 1999), and river herring do enter and pass through the EFL. EFL settings are not intended to target a single species but rather to provide attraction velocities conducive to the passage of multiple species (anadromous and resident) simultaneously. The highest recorded volitional passage numbers of alewife and blueback herring at the EFL occurred in 2001, which was also the highest year of American shad passage. Given the similar behavior of clupeids (American shad, gizzard shad, and river herrings), it is likely that analyses and conclusions relative to shad will also be relevant to river herring.

4.0 RESULTS

4.1 Historical Analysis (Years 2001 through 2010)

Hourly American shad passage in conjunction with station generation scenarios for the 2001 through 2010 American shad spring migration seasons were analyzed using a standard T-test, (Appendix B). Figure 4.1-1 depicts the number, type, approximate hydraulic capacity, and location of the seven Francis and four Kaplan turbines in relation to the EFL. A total of 292 different combinations of turbine operation occurred during EFL operations during this 10-year period. Several of these turbine combinations occurred infrequently during EFL operations and were not analyzed due to insufficient data. Station generation scenarios varied from the operation of two Francis and zero Kaplan turbines to all seven Francis and all four Kaplan turbines generating. The seven most frequently used turbine generation

schemes during this 10-year period of EFL operations are shown in <u>Table 4.1-1</u>; these scenarios account for 43.1% of operation during EFL operation. The most common generation scheme utilized was all 11 units operating and accounted for nearly 23% of the total operating time. Three various combinations of two Francis turbines and zero Kaplan turbines, (Francis turbine combinations 5 and 7, 3 and 7, or 2 and 7), accounted for a combined total of 10.5% of total operating time. The three remaining common generation schemes, (four Francis and four Kaplan turbines, four Francis and zero Kaplan turbines, and six Francis and four Kaplan turbines), occurred 2.7% to 3.7% of the total operating time. Remaining turbine generation schemes each accounted for 1% or less of total operating time.

A comparison of turbine generation schemes relative to hourly American shad passage is shown in Table 4.1-2. Although some generation schemes have lower or slightly higher hourly shad passage values associated with them, the significance of the T-test results may be misleading. The T-test analysis compared a turbine generation scheme and its corresponding mean hourly American shad passage value to other turbine generation schemes. Since one generation scheme, (seven Francis, four Kaplan), occurred during nearly 23% of the total time of EFL operation, the data points are not evenly distributed among the generation schemes. Thus, the data are heavily weighted toward the seven Francis and four Kaplan scenario since the majority of the other generation schemes occurred less than 1% of the time during the 10-year study period. Despite the uneven distribution, <u>Table 4.1-2</u> provides some information that may be useful. Several of the conditions listed under the category of "lower passage" involve the use of one or two Kaplan turbines, (usually #8 and/or #9), in conjunction with various Francis turbines. Personnel operating the EFL have noted that a large eddy forms during the operation of turbines 8 or 9. The eddy pushes the attraction flow water from entrance gate C eastward into the spillway area, possibly impeding or diminishing the ability to attract fish into the EFL through gate C. However, analysis of radio-tagged American shad that were detected in the EFL during operations in 2010 did not show diminished fish attraction to the EFL when Kaplan turbines 8 and/or 9 were operating (Table 4.1-3). A total of six radiotagged shad passed into Conowingo Pond while 14 other tagged shad made forays into the EFL during operation of turbines 8 and/or 9. Entrance gate C, which discharges attraction water downstream and adjacent to the wing wall, is generally operated whenever any of the Kaplan turbines are in use since attraction water from entrance gates A and B is nullified by Kaplan turbine discharges.

Turbine generation schemes, EFL equipment settings, water temperature, and tailrace water levels were compared to hourly American and gizzard shad passage values by Pearson Correlation analysis and are presented in <u>Appendix B</u>. Only small significant correlations were observed with lower passage rates (generally less than 2.0 per hour). The analysis did not identify any specific generation scheme or a combination of settings and conditions that consistently provided high passage values.

The total passage by year for American and gizzard shad compared to the total passage of all fish combined is presented in Table 4.1-4. For years 2000 through 2005 when the American shad passage total comprises 15% or more of the total passage, the ratio of American shad to gizzard shad ranges from about 1/2.1 to 1/5.5. The period of 2006 through 2010 shows that American shad passage decreased and gizzard shad passage increased; the ratios increased dramatically ranging from 1/11.5 to 1/46.1. Although gizzard shad passage has increased, the total passage for all species combined has generally not increased beyond total passage values observed during the 10-year period of study. A yearly comparison of American shad and gizzard shad total passage numbers at the EFL for years 2000 – 2010 is shown in Figure 4.1-2. Generally, for years 2000 through 2007, gizzard shad numbers ranged between 300,000 and 650,000 fish passed per season. During the past 3 years, (2008-2010), gizzard shad passage has increased, ranging between 810,000 to 915,000 fish per season and coinciding with the lowest American shad passage numbers observed since volitional passage commenced in 1997. The increase of adult gizzard shad in the Chesapeake Bay area may be linked to increased reproductive success resulting from fish passage into ideal habitat upstream of lower Susquehanna River dams and a recent trend of warmer winters resulting in reduced winter kill (SRAFRC 2010). The decline of adult American shad stocks has been observed coastwide and ocean harvest may be the most important factor driving the decline (ASMFC 2007).

For years 2001 through 2010, the number of American shad passed during the daily high hour of American shad passage was plotted along with the corresponding number of gizzard shad passed during the same hour, (Figures 4.1-3 through 4.1-12). During the years 2001 through 2005, it was not uncommon to observe that these American shad hourly passage numbers were greater than or similar to gizzard shad passage values. For the same 5-year period, gizzard shad hourly passage numbers did not exceed 4,000 fish during the daily high passage hour for American shad.

The plots for years 2006 through 2010 show a marked increase in gizzard shad passage during the daily high hour of American shad passage. Hourly gizzard shad passage during the daily high passage hour of American shad regularly exceeded 3,000 fish per hour at times, and values exceeding 5,000 gizzard shad per hour have been recorded since 2006. These values for hourly gizzard shad passage coincide with the overall decrease of American shad passage observed since 2005. The number of hours in which American shad passage exceeded 1000 to 4000 fish per hour (2001 through 2010) is shown in <u>Table 4.1-5</u>. The number of American shad passage hours that exceeded 1,000 fish per hour has dropped from 28 hours (observed in 2001) to 0 hours (observed in 2007, 2008, and 2010).

4.2 Analysis of 2010 Conowingo EFL Operations

During EFL operations in 2010, a total of 16 different turbine generation scenarios was encountered, (<u>Table 4.2-1</u>). Minimum flow generation of two Francis and zero Kaplan turbines occurred nearly 32% of the time with a turbine generation scenario of four Francis and two Kaplan turbines occurring nearly 16% of the time during lift operations. The remaining scenarios occurred from less than 1% to 7.7% of the total operating time.

Two 7-day periods (April 19-25 and May 7-13, 2010) during EFL operations in 2010 accounted for the passage of 26,381 American shad or 70% of the shad passed during the entire season. American shad passage numbers and concurrent turbine generation schemes that occurred during these peak passage periods are shown in Table 4.2-2. During these two, 7-day periods, the EFL was operated nearly 146 hours and encountered fourteen different turbine generation scenarios (Table 4.2-2). Minimum flow generation occurred nearly 47% of the time (67.8 hours) and accounted for the passage of 17,565 American shad. Near maximum generation (nine and ten units) occurred 7.3% of the time (10.6 hours) and accounted for the passage of 6331 shad. The remaining turbine generation scenarios each occurred 8.8% or less of the time ranging from 1.9 hours to 12.8 hours. Turbine generation is influenced by natural river flow and, during 2010, river flows moderated shortly after the start of EFL operations on April 5, 2010. No drastic or abrupt increases in river flow due to snow melt or spring rains occurred and may have contributed to the first peak shad passage period in late April as well as creating a situation for the hydrostation to operate at minimum flow generation for longer periods of time during the American shad migration season.

No relationship between turbine generation/Project flow and passage of American shad was evident. Although minimum flow generation resulted in the passage of 66% of the total shad passed during the 14-day period, the calculated weighted mean for shad passage during minimum flow generation (259 shad/hr) was lower than the weighted mean observed during the operation of 6 or 7 Francis turbines and 3 Kaplan turbines (314 shad/hr).

Attraction flow water velocities were measured daily during EFL operations from April 9 through June 6, 2010 and are shown in Appendix C. Figure 2.1-1 indicates the location where the water velocity measurements were collected. Entrance gate A operated solely on four days with measured velocities ranging from 3.3 fps to 5.0 fps. Entrance gate C operated solely on 14 days with measured velocities ranging from 2.9 fps to 4.5 fps. Both entrance gates A and C were utilized on the same day (not in unison) due to generation changes on 39 days and measured velocities ranged from 1.9 fps to 5.8 fps. These

velocity values are similar to the range of values measured during "debugging" operations in 1991 (3.5 fps to 5.8 fps for entrance gates A and C, (RMC 1992). On 21 of the 39 days when both entrance gates were utilized, one of the two entrance gates was only used for two hours or less.

4.3 Passage of Radio-Telemetered American shad at the Conowingo East Fish Lift (2010)

During fish passage operations in 2010, American shad were radio-tagged, released, and monitored for presence in and passage through the EFL facility. This report focuses only on those radio-tagged American shad that were successfully passed into Conowingo Pond or were detected within a section of the fish lift but ultimately did not pass into Conowingo Pond. Appendix D, (Tables 1, 2, and 3), presents data of radio-tagged American shad detected in the EFL along with corresponding turbine operation, attraction flow velocity, and EFL operational data. Refer to Conowingo Study 3.5-Upstream Fish Passage Effectiveness Study for additional information.

A total of 65 out of 89 radio-tagged American shad (73%) monitored in the Conowingo tailrace were detected within the EFL (Appendix D, Tables 1 and 2). Forty (40) of these 65 tagged shad (61.5%) detected in the EFL successfully passed upstream into Conowingo Pond. The remaining 25 radio-tagged American shad made forays into sections of the EFL but did not pass upstream (Appendix D, Table 2). Eleven of the 40 radio-tagged shad that successfully passed upstream made forays prior to successful passage (Appendix D, Table 3). Four of these 11 American shad made multiple forays into the EFL prior to successful passage. Seven of the 25 American shad that were detected but did not successfully pass upstream made multiple forays into the EFL. One radio-tagged American shad (fish # 54-208) successfully passed through the EFL twice within a 24-hour period indicating that, after initial passage, the fish passed downstream through one of the operating turbines, re-entered the EFL, and successfully passed upstream into Conowingo Pond a second time.

Successful passage of the 40 radio-tagged American shad occurred during various turbine generation scenarios, attraction flow water velocities, and EFL equipment settings. Successful passage occurred during 11 different turbine generation schemes (number of Francis and Kaplan turbines in operation) ranging from two Francis and zero Kaplan turbines to all seven Francis and all four Kaplan turbines operating in unison, (Table 4.3-1). A total of 23 (57%) American shad entered through entrance gate A and successfully passed while 17 (43%) American shad entered through entrance gate C and successfully passed. The 25 radio-tagged American shad that entered the EFL but failed to pass made a total of 42 forays, of which 22 entered through entrance gate A (52.4%) and 20 entered through entrance gate C (47.6%). During the 2010 season, entrance gate A was used approximately 43% of the total operating time as compared to gate C, which was utilized about 57% of the time.

Attraction flow water velocities in relation to times of successful radio-tagged American shad passage ranged from 3.3 fps to 5.6 fps. A total of 16 American shad (40%) passed at attraction flow velocities ranging from 3.3 fps to 4.0 fps, 21 shad (52.5%) passed at velocities ranging from 4.1 fps to 4.9 fps, and the final 3 radio-tagged shad (7.5%) passed at a recorded velocity of 5.6 fps.

Eleven radio-tagged American shad made forays into the EFL prior to successful passage. During these unsuccessful forays, attraction water flow velocities ranged from 3.5 fps to 5.7 fps. The 25 radio-tagged American shad that made forays into the EFL and never successfully passed upstream also experienced attraction water flow velocities ranging from 3.5 fps to 5.7 fps.

The entry of radio-tagged American shad into the EFL did not appear to be highly correlated to specific attraction water velocities as fish detection occurred over a range of water velocities previously observed, turbine generation scenarios, and EFL equipment settings.

Successful passage of radio-tagged American shad occurred on 16 separate days from April 30 to May 24, 2010. Passage days did not appear to be strongly oriented towards weekday or weekend operation scenarios as successful radio-tagged shad passage was recorded three times each on a Monday, Friday, and Saturday; two times each on a Sunday, Wednesday, and Thursday; and one time on a Tuesday.

A total of 102 forays (unsuccessful and successful) made by 65 radio-tagged American shad were recorded during EFL operations in 2010. Entrance gate A was used during 52 of the forays, and the remaining 50 forays utilized gate C. Radio-tagged shad utilizing gate A encountered crowder area gate settings ranging from 20% to 30% open, while those shad utilizing gate C encountered crowder area gate settings between 20% and 40% open. Foray times coincided with tailrace water levels (measured by staff gauge located on East wall of entrance gate C) that ranged between 18 and 23.5 ft and turbine generation schemes of two Francis and zero Kaplan turbines operating (minimum flow) up to seven Francis turbines and four Kaplan turbines operating (all units operating).

Nearly 70% of the total untagged American shad passage at the Conowingo EFL occurred during two 7-day periods (April 19 through 25 (15,004 shad) and May 7 through 13 (11,377 shad)). No radio-tagged American shad passed during the April 19 through 25 period; the first two radio-tagged groups of shad were released on April 20 and 22, 2010, respectively. Successful passage of the 40 radio-tagged American shad in relation to turbine generation, entrance gate, and date is presented in <u>Table 4.3-1</u>. Twenty-two of the 40 radio-tagged American shad that successfully passed the EFL, passed during May 7 to 13. Fish number 54-208 passed twice during this period. Passage of radio-tagged shad during this second "peak"

period occurred under various turbine operation schemes. Daily water temperatures recorded at the EFL ranged from about 70° F on May 7, 2010 to 66° F on May 12, 2010.

The remaining 18 radio-tagged American shad that successfully passed upstream did so under nine different turbine operation schemes, (<u>Table 4.3-1</u>). Six of the 18 radio-tagged American shad passed prior to the second peak passage period of May 7 to May 13, 2010, with the remaining 12 radio-tagged American shad passing after this peak period.

4.4 Discussion of Radio-tagged American Shad Passage Results

A total of 89 radio-tagged American shad were detected in the Conowingo Dam tailrace during EFL operations in 2010 (refer to Conowingo RSP 3.5-Upstream Fish Passage Effectiveness Study). Of these 89 radio-tagged shad, 65 were detected within the Conowingo EFL (73% fishway attraction effectiveness) with a total of 40 radio-tagged shad successfully passing upstream (61.5% of radio-tagged shad detected within the EFL passed successfully). The overall passage efficiency of radio-tagged shad (40 shad of 89 shad detected in tailrace) was 44.9%.

5.0 CONCLUSIONS

Historic data (2001 – 2009) and data from 2010 provide a wealth of information relative to the performance of the EFL. These data show that the EFL is effective at attracting 73% of the American shad in the tailrace although not all of these fish successfully pass upstream to Conowingo Pond. These data also provide a comprehensive assessment of turbine generation schemes, EFL operation parameters, water temperature, and tailrace water levels as they relate to the effectiveness of shad passage at the EFL. As discussed at the end of this section, opportunities may exist to improve the number of shad that pass upstream at the EFL.

Analyses of ten years of data did not show a relationship between turbine generation/Project operation and effectiveness of the EFL. The Pearson Correlation analyses of turbine generation schemes, EFL equipment settings, water temperature and tailrace levels did not identify any specific generation scheme or combination of settings and conditions that consistently provided high passage values for American shad. Data from shad radio-tagged in 2010 provided showed that 73% of the shad in the tailrace were attracted to and entered the EFL during various turbine generation scenarios, attraction flow velocities, and EFL equipment settings. Data from the radio-tagged shad demonstrated large numbers of shad entering the EFL with minimum station flow (259 shad/hr) and with most units (nine and ten units of eleven units) operating (314 shad/hr).

Comparison of generation schemes and hourly shad passage with T-tests showed a only a few generation schemes with lower or slightly higher passage rates, but the significant tests did not show a consistent pattern relative to station operation. Lower passage rates include generation scenarios with few (two) units in operation, all eleven units in operation, and intermediate generation schemes ranging from five to nine units operating. The one significantly higher passage rate was found with ten units in operation. These inconsistent results may reflect data heavily weighted to a few specific operating scenarios that occurred frequently. Some of the tests showing lower passage rates involved the use of two specific Kaplan turbines (units 8 and 9). EFL operators have observed that operation of these two units creates a large eddy that appears to affect the flow of attraction flow from entrance gate C although the operation of these units in 2010 did not appear to affect the attraction of radio-tagged shad to the EFL.

Although there does not appear to be any opertional variables that will consistently provide the best fish passage conditions or guarantee higher rates of successful upstream passag, there appear to be conditions within the EFL that may be affecting successful upstream passage. <u>Table 5.0-1</u> displays a situation that occurs often. The data in this table present radio-tagged American shad that successfully passed during a "peak" passage period in conjunction with radio-tagged shad that were detected in the EFL on the same

days as those passing successfully, but failed to pass upstream. The fishway attraction effectiveness value (73%) clearly shows that American shad are successfully entering the EFL, but the overall rate of successful passage upstream to Cononwingo Pond (44.9%) indicates that not all are passing through the crowder and being lifted up to the trough.

Based on the analyses of historic and 2010 data, it appears that the attempts to improve the upstream passage of American shad should focus on the EFL rather than instituting specific flow regimes or operational schemes that may affect tailrace conditions near and outside of the EFL. Improving conditions within the EFL to ensure that a greater percentage of shad that enter the lift will successfully pass upstream would be more beneficial than any limited "improvements" to attraction effectiveness that may be related to station generation. Furthermore, the ability to implement changes to station operation cannot be assured as it will depend on conducive natural river flows. Years of higher flows or conditions that result in higher flows during migration peaks may well preclude various operational scenarios. Addressing the issue of American shad that enter the EFL but fail to pass upstream may yield far better passage results and is not dependant upon natural conditions (e.g. river flows or water temperatures) that are beyond the Project's control.

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- RMC 1992. Diagnostic Report of East Fish Passage Facility Operations at Conowingo Dam, Prepared for Philadelphia Electric Company, February 1992.
- SRAFRC 2010. Migratory Fish Management and Restoration Plan for the Susquehanna River Basin.

TABLE 4.1-1: COMMON TURBINE GENERATION SCENARIOS USED DURING CONOWINGO EAST FISH LIFT OPERATIONS, 2001-2010.

| | Generation Scenario: | | Specific | % |
|-------|----------------------|------------|------------------|-----------|
| | No. Francis | No. Kaplan | Turbines | Operation |
| Rank | Turbines | Turbines | Operating | Time |
| 1 | 7 | 4 | 1 through 11 | 22.7 |
| 2 | 2 | 0 | 5,7 | 4.9 |
| 3 | 6 | 4 | 2 through 11 | 3.7 |
| 4 | 4 | 0 | 4,5,6,7 | 3.5 |
| 5 | 2 | 0 | 3,7 | 3.3 |
| 6 | 4 | 4 | 4-7; 8-11 | 2.7 |
| 7 | 2 | 0 | 2,7 | 2.3 |
| Total | | | | 43.1 |

TABLE 4.1-2: COMPARISON OF TURBINE GENERATION SCHEMES AS THEY RELATE TO HOURLY AMERICAN SHAD PASSAGE BY STANDARD T-TEST.

| Turbine Generation Schemes with hourly Am. Shad passage lower than other scenarios | | | | |
|---|---|--|--|--|
| No. Francis turbines No. Kaplan turbines | | | | |
| 2 | 0 | | | |
| 4 | 1 | | | |
| 4 | 2 | | | |
| 4 | 3 | | | |
| 6 | 1 | | | |
| 6 | 2 | | | |
| 6 | 3 | | | |
| 7 | 4 | | | |
| Turbine Generation Schemes with hourly Am. Shad passage higher than other scenarios | | | | |
| No. Francis turbines No. Kaplan turbines | | | | |
| 6 4 | | | | |

TABLE 4.1-3 RADIO-TAGGED AMERICAN SHAD PASSED BY OR DETECTED IN THE CONOWINGO EFL DURING THE OPERATION OF KAPLAN TURBINES 8 AND/OR 9.

| | Radio-Tagge | ed American Shad Succes | ssfully Passed Upstream | |
|----------|---------------------------------|-----------------------------|--------------------------|--------------|
| Fish No. | Turbine Generation Scheme | Francis Turbines | Kaplan Turbines | Passage date |
| 21-135 | 4,1 | 2,5,6,7 | 8 | 7-May-10 |
| 21-127 | 4,1 | 2,5,6,7 | 8 | 7-May-10 |
| 21-123 | 4,1 | 2,5,6,7 | 8 | 23-May-10 |
| 54-169 | 4,1 | 2,5,6,7 | 8 | 23-May-10 |
| 54-138 | 6,1 | 2,3,4,5,6,7 | 8 | 15-May-10 |
| 54-140 | 6,2 | 1,2,3,4,5,6 | 8,9 | 22-May-10 |
| | Radio-Taggeo | American Shad Detecte | ed in EFL but Not Passed | |
| Fish No. | Turbine Generation Scheme | Francis Turbines | Kaplan Turbines | Passage date |
| 54-176 | 4,1 | 4,5,6,7 | 8 | 14-May-10 |
| 54-167* | 4,1 | 2,5,6,7 | 8 | 23-May-10 |
| | 4,1 | 2,5,6,7 | 8 | 28-May-10 |
| | 4,1 | 2,5,6,7 | 8 | 29-May-10 |
| 21-159 | 4,1 | 2,5,6,7 | 8 | 26-May-10 |
| 54-149 | 4,1 | 2,5,6,7 | 8 | 26-May-10 |
| 54-156 | 4,1 | 2,5,6,7 | 8 | 29-May-10 |
| 21-109 | 4,2 | 2,5,6,7 | 8,9 | 8-May-10 |
| 21-141 | 4,2 | 2,5,6,7 | 8,9 | 20-May-10 |
| 54-164 | 4,2 | 2,5,6,7 | 8,9 | 20-May-10 |
| 54-137 | 4,2 | 2,5,6,7 | 8,9 | 21-May-10 |
| 54-200-2 | 4,2 | 2,5,6,7 | 8,9 | 21-May-10 |
| 21-129 | 6,1 | 2,3,4,5,6,7 | 8 | 9-May-10 |
| 21-115 | 6,1 | 2,3,4,5,6,7 | 8 | 15-May-10 |
| 54-151 | 6,1 | 2,3,4,5,6,7 | 8 | 16-May-10 |
| 54-142* | 6,1 | 2,3,4,5,6,7 | 8 | 16-May-10 |
| | | 2,3,4,5,6,7 | 8 | 17-May-10 |
| 54-167* | 6,2 | 2,3,4,5,6,7 | 8,9 | 28-May-10 |

^{*}Denotes multiple forays into the EFL.

TABLE 4.1-4: COMPARISON OF AMERICAN AND GIZZARD SHAD PASSAGE TO PASSAGE OF ALL FISH AT CONOWINGO EAST FISH LIFT, 2000-2010.

| | American | Gizzard | Total Catch | % | % | American | Shad - |
|------|----------|---------|--------------------|---------------|--------------|-------------|----------|
| Year | Shad | Shad | All Species | American Shad | Gizzard Shad | Gizzard Sha | d Ratio |
| 2000 | 153,546 | 317,753 | 493,953 | 31 | 64 | 1 | 2.069432 |
| 2001 | 193,574 | 429,461 | 921,916 | 20.9 | 46 | 1 | 2.218588 |
| 2002 | 108,001 | 513,794 | 656,894 | 16 | 78 | 1 | 4.757308 |
| 2003 | 125,135 | 459,634 | 589,177 | 21 | 78 | 1 | 3.673105 |
| 2004 | 109,360 | 602,677 | 715,664 | 15 | 84 | 1 | 5.510946 |
| 2005 | 68,926 | 305,378 | 377,762 | 18 | 80.8 | 1 | 4.43052 |
| 2006 | 56,899 | 655,990 | 714,918 | 7.9 | 91 | 1 | 11.52903 |
| 2007 | 25,464 | 508,627 | 539,203 | 4.7 | 94 | 1 | 19.97436 |
| 2008 | 19,914 | 919,975 | 943,838 | 2 | 97 | 1 | 46.1974 |
| 2009 | 29,272 | 876,412 | 915,417 | 3 | 95 | 1 | 29.94028 |
| 2010 | 37,757 | 813,429 | 857,263 | 4 | 94.8 | 1 | 21.54379 |

TABLE 4.1-5: NUMBER OF HOURS PER YEAR THAT AMERICAN SHAD PASSAGE EXCEEDED 1,000, 2,000, 3,000, AND 4,000 FISH PER HOUR.

| Year: | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| Number of Hours | | | | | | | | | | |
| > 1,000 per hour | 28 | 21 | 17 | 16 | 2 | 3 | 0 | 0 | 2 | 0 |
| > 2,000 per hour | 15 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| > 3,000 per hour | 6 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| > 4,000 per hour | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 4.2-1: TURBINE GENERATION SCHEMES AND PERCENT OCCURRENCE DURING CONOWINGO EAST FISH LIFT OPERATIONS IN 2010.

| No. | No. | % Occurrence |
|-------------------------|-----------------|-------------------------------|
| Francis Turbines | Kaplan Turbines | During Lift Operations |
| 2 | 0 | 31.9% |
| 3 | 0 | 3.6% |
| 3 | 1 | 2.1% |
| 4 | 0 | 7.4% |
| 4 | 1 | 7.7% |
| 4 | 2 | 15.9% |
| 4 | 3 | 1.7% |
| 5 | 0 | 0.1% |
| 5 | 1 | 0.2% |
| 5 | 4 | 0.6% |
| 6 | 1 | 5.0% |
| 6 | 2 | 2.1% |
| 6 | 3 | 5.6% |
| 6 | 4 | 4.3% |
| 7 | 3 | 7.1% |
| 7 | 4 | 4.7% |

TABLE 4.2-2: 2010 PEAK AMERICAN SHAD PASSAGE PERIODS AND CONCURRENT TURBINE GENERATION SCHEMES (PEAK PERIODS: APRIL 19 TO 25, 2010 AND MAY 7 TO 13, 2010).

| Turbine | | | | % of Peak | | Am. | |
|------------|----------------------|---------------------|-------------|-----------|--------------|----------|----------|
| Generation | Francis ¹ | Kaplan ² | Hours of | Period | No. American | Shad Per | Weighted |
| Scheme | Turbines | Turbines | Operation | Operation | Shad Passed | Hour | Mean |
| | 2,5 | 0 | 29 | 20.0 | 6,393 | 220 | |
| 2,0 | 2,7 | 0 | 4.8 | 3.3 | 2,321 | 484 | 259 |
| | 5,7 | 0 | 34 | 23.3 | 8,851 | 260 | |
| 3,0 | 2,5,7 | 0 | 8 | 5.5 | 1,872 | 234 | |
| 4,0 | 2,5,6,7 | 0 | 3 | 2.0 | 97 | 32 | |
| 4,0 | 4,5,6,7 | 0 | 12.8 | 8.8 | 1,289 | 101 | |
| 4,1 | 2,5,6,7 | 8 | 12.3 | 8.4 | 917 | 75 | |
| 4,1 | 4,5,6,7 | 8 | 5.7 | 3.9 | 600 | 105 | |
| 4,2 | 2,5,6,7 | 8,9 | 9.7 | 6.6 | 301 | 31 | |
| 4,2 | 4,5,6,7 | 8,9 | 7.3 | 5.0 | 63 | 9 | |
| 6,1 | 2,3,4,5,6,7 | 8 | 8.3 | 5.7 | 346 | 42 | |
| 6,3 | 1,3,4,5,6,7 | 8,9,11 | 1.9 | 1.3 | 563 | 296 | 252 |
| 0,3 | 2,3,4,5,6,7 | 8,9,11 | 6.8 | 4.7 | 2,501 | 368 | 352 |
| 7,3 | 1,2,3,4,5,6,7 | 8,9,11 | 1.9 | 1.3 | 267 | 141 | 314* |
| Totals | | | 145.5 hours | | 26,381 | | |

^{*}Weighted Mean Value is comprised of the Turbine Generation Schemes 6,3 and 7,3.

TABLE 4.3-1: SUCCESSFUL PASSAGE OF THE 40 RADIO-TAGGED AMERICAN SHAD IN RELATION TO TURBINE GENERATION, ENTRANCE GATE, AND DATE.

| Turbine | Spe cific | Entrance | No. of | | |
|--------------------------|-----------------------|----------|---------|------------------|--------------|
| Generation Scheme | Turbines | Gate | RT Shad | | |
| Francis/Kaplan | "ON" | Used | Passed | Dates of | Passage |
| | | | | May $3 = 2$ | May $11 = 2$ |
| 2,0 | 2,5 | A | 14* | May $6 = 1$ | May $22 = 1$ |
| | | | | May $8 = 5$ | May $24 = 3$ |
| 3,0 | 2,5,6 | A | 1 | May 20, 2010 | |
| 3,0 | 2,5,7 | A | 9* | May 12, 2010 | |
| 4,1 | 2,5,6,7,8 | С | 4 | May 7, | 2010 (2) |
| 4,1 | 2,3,0,7,8 | | 4 | May 23, 2010 (2) | |
| 4,3 | 4,5,6,7,8,9,11 | С | 1 | April 3 | 0, 2010 |
| 6,1 | 2,3,4,5,6,7,8 | C | 1 | May 1 | 5, 2010 |
| 6,2 | 1,2,3,4,5,6,8,9 | C | 1 | May 2 | 2, 2010 |
| 6,3 | 2,3,4,5,6,7,8,9,11 | С | 5 | May 7, 2010 | |
| 6,4 | 2,3,4,5,6,7,8,9,10,11 | С | 2 | May 2, | 2010 (1) |
| 0,4 | 2,3,4,3,0,7,6,9,10,11 | C | 2 | May 17, | 2010 (1) |
| 7,3 | 1-7,8,9,11 | С | 1 | May 5, 2010 | |
| 7,4 | 1-11 (all units on) | С | 2 | May 2 | 1, 2010 |

^{*}Fish No. 54-208 passed twice - First on May 11 at Turbine Scenario 2,0 and again on May 12 during 3,0 generation.

TABLE 5.0-1: COMPARISON OF SUCCESSFUL AND UNSUCCESSFUL RADIO-TAGGED AMERICAN SHAD PASSAGE DURING THE 7-DAY PERIOD, 7 TO 13 MAY, 2010.

| | No. Radio-Tagged | No. Radio-Tagged | | No. |
|-----------|------------------|------------------------|--------|--------------|
| | American Shad | American Shad Detected | | Unsuccessful |
| Date | Passed Upstream | But Not Passed | Fish# | Forays |
| 5/7/2010 | 7 | 1 | 21-116 | 1 |
| 5/8/2010 | 5 | 2 | 21-109 | 1 |
| | | | 54-178 | 1 |
| 5/11/2010 | 2 | 1 | 21-156 | 1 |
| 5/12/2010 | 9 | 3 | 21-144 | 2 |
| | | | 21-116 | 1 |
| | | | 21-143 | 1 |

FIGURE 2.1-1: BASIC SCHEMATIC OF THE CONOWINGO EAST FISH LIFT.

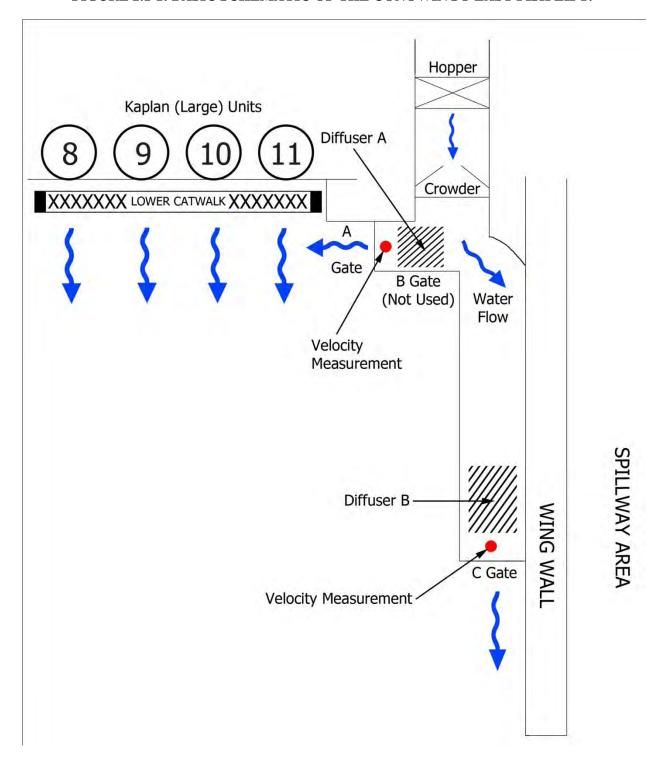


FIGURE 3.0-1: FLOW DURATION CURVE DERIVED FROM USGS CONOWINGO GAGE NUMBER 01578310 FOR APRIL (1968-2009).

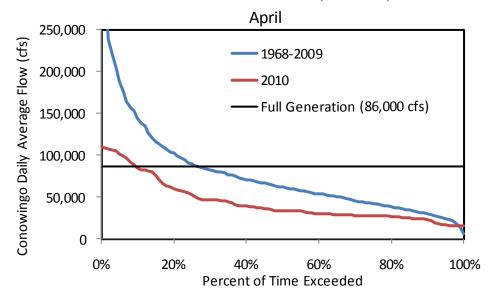


FIGURE 3.0-2: FLOW DURATION CURVE DERIVED FROM USGS CONOWINGO GAGE NUMBER 01578310 FOR MAY (1968-2009).

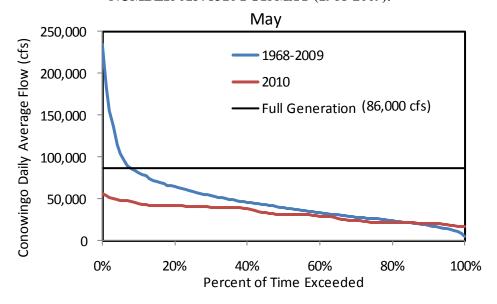


FIGURE 3.0-3: FLOW DURATION CURVE DERIVED FROM USGS CONOWINGO GAGE NUMBER 01578310 FOR JUNE (1968-2009).

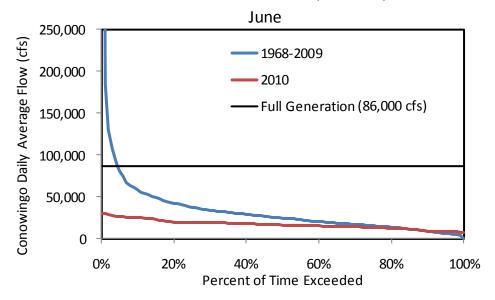


FIGURE 4.1-1: SCHEMATIC OF CONOWINGO POWERHOUSE INCLUDING TURBINE TYPES, CAPACITY, AND LOCATION IN RELATION TO THE EAST FISH LIFT.

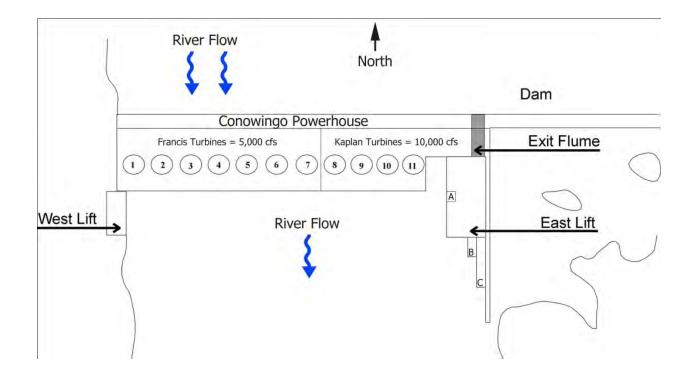


FIGURE 4.1-2: YEARLY COMPARISON OF AMERICAN SHAD AND GIZZARD SHAD PASSAGE TOTALS FOR YEARS 2000-2010.

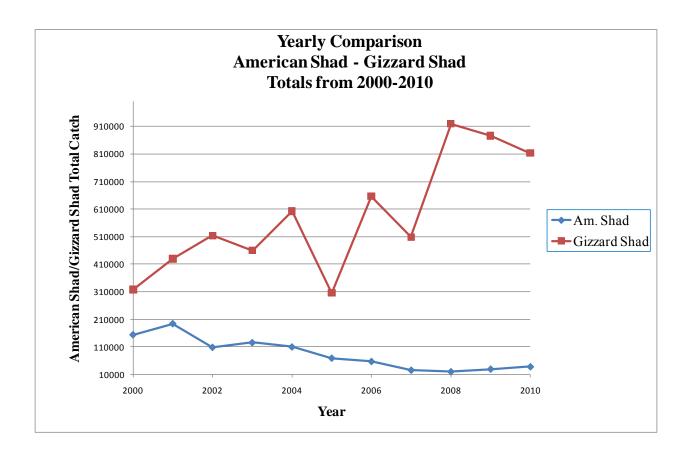


FIGURE 4.1-3: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2001.

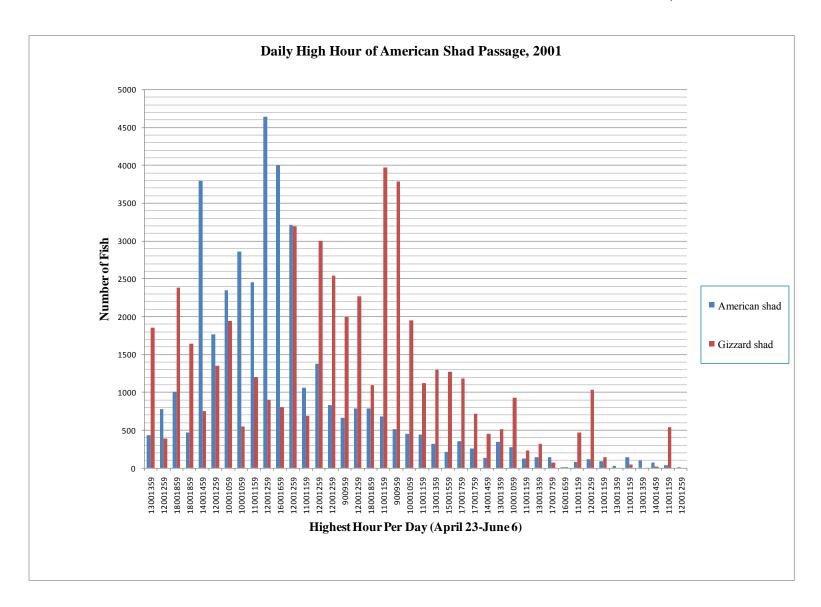


FIGURE 4.1-4: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2002.

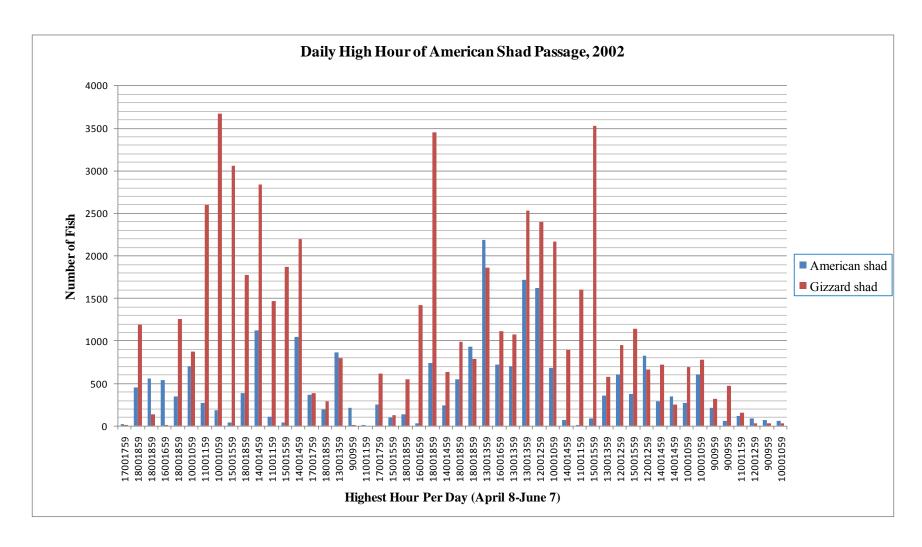


FIGURE 4.1-5: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2003.

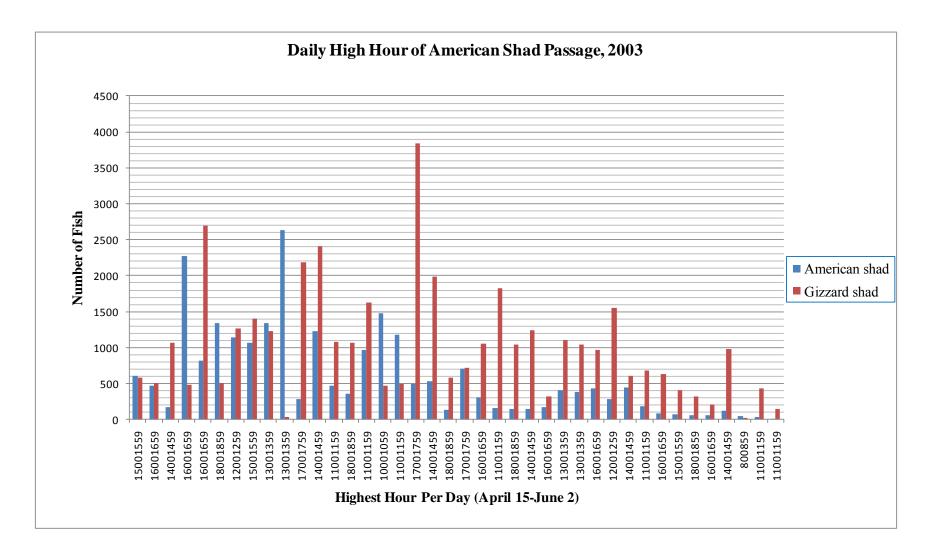


FIGURE 4.1-6: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2004.

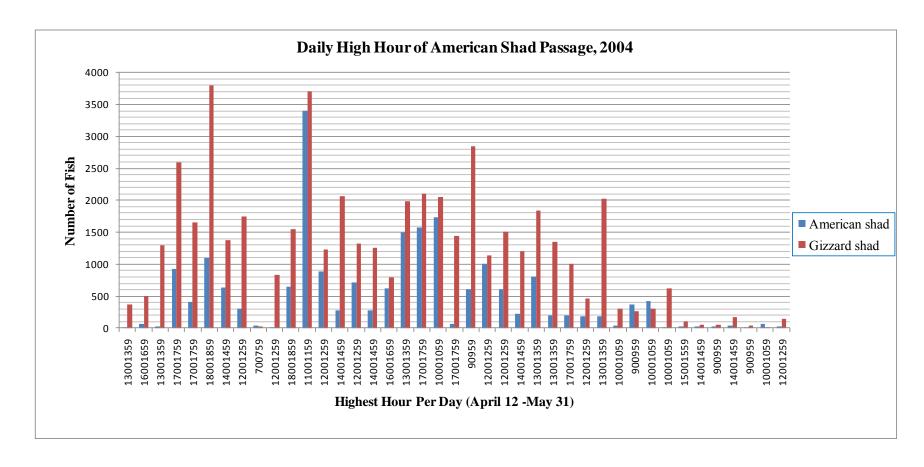


FIGURE 4.1-7: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2005.

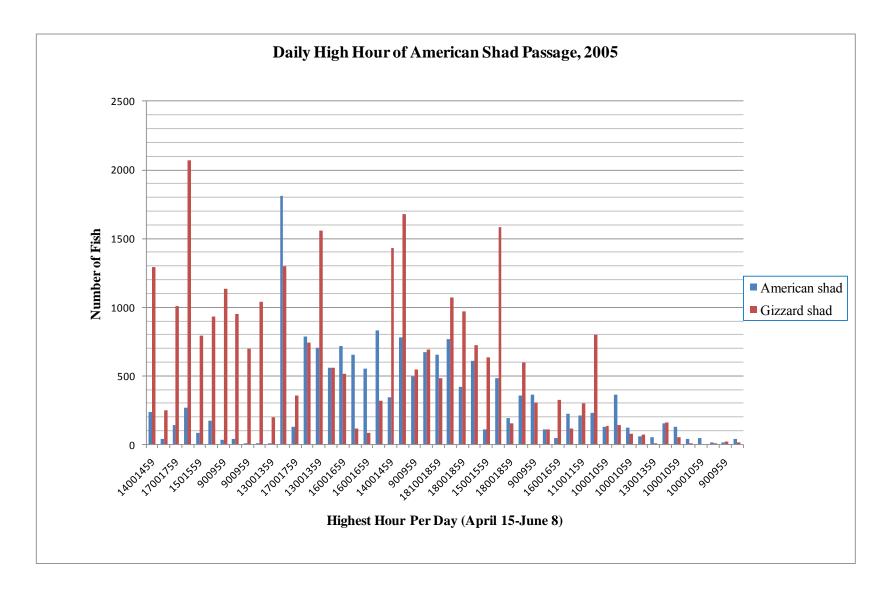


FIGURE 4.1-8: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2006.

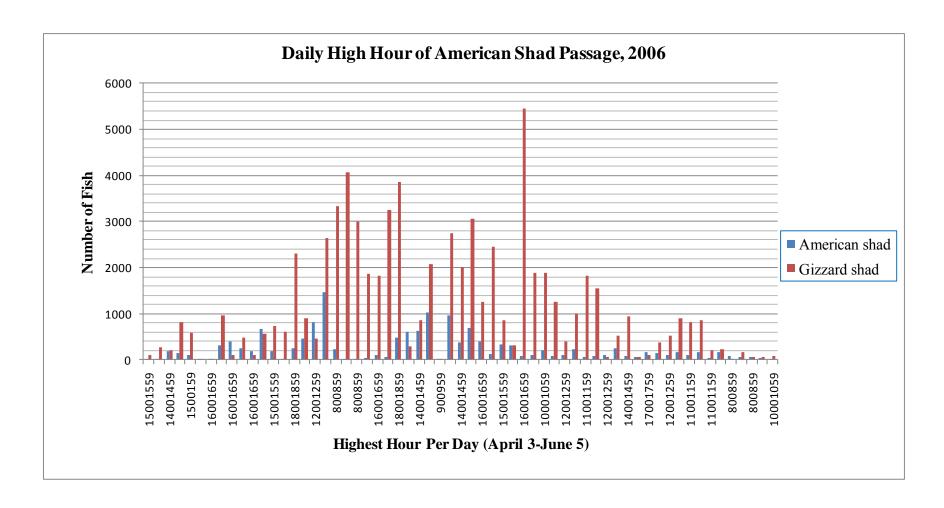


FIGURE 4.1-9: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2007.

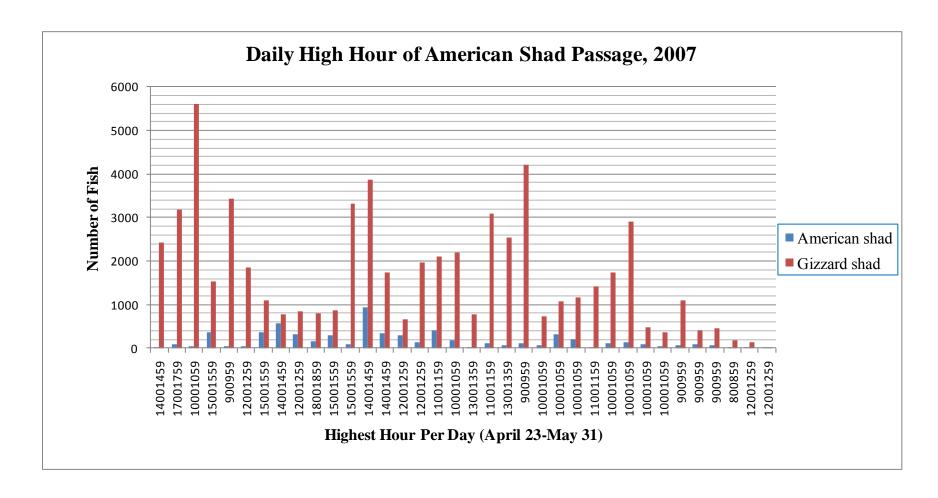


FIGURE 4.1-10: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2008.

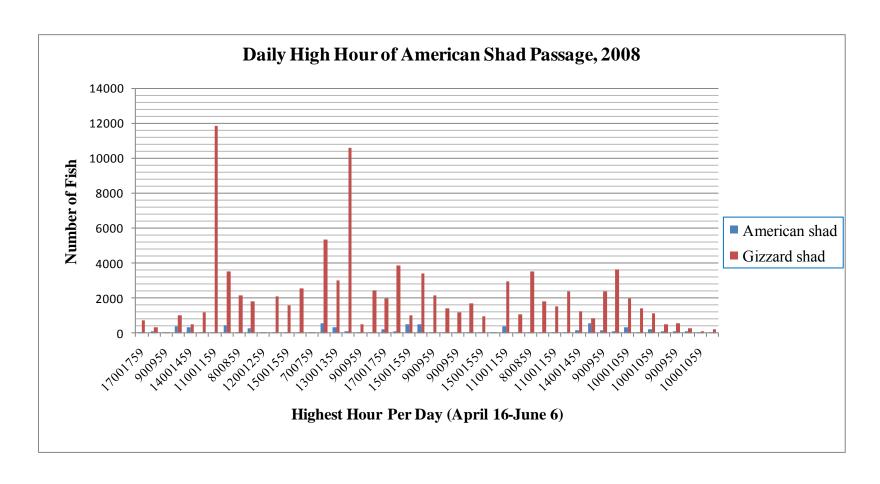


FIGURE 4.1-11: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2009.

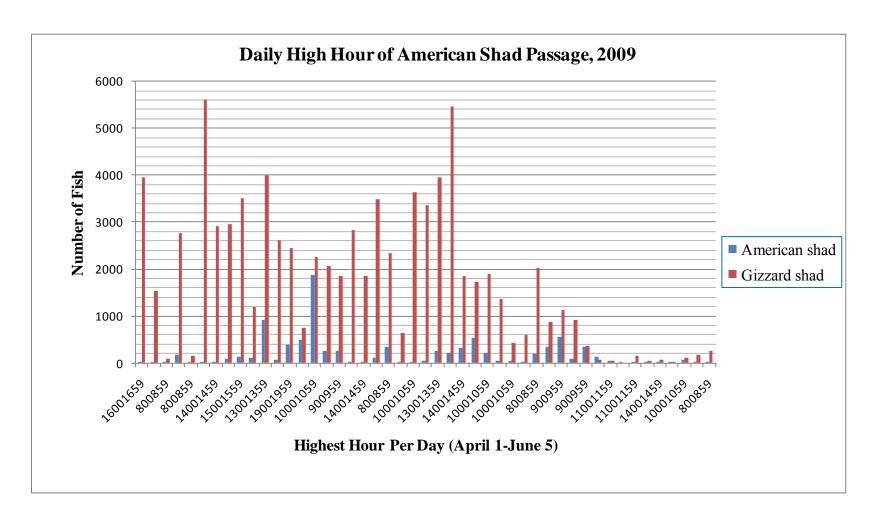
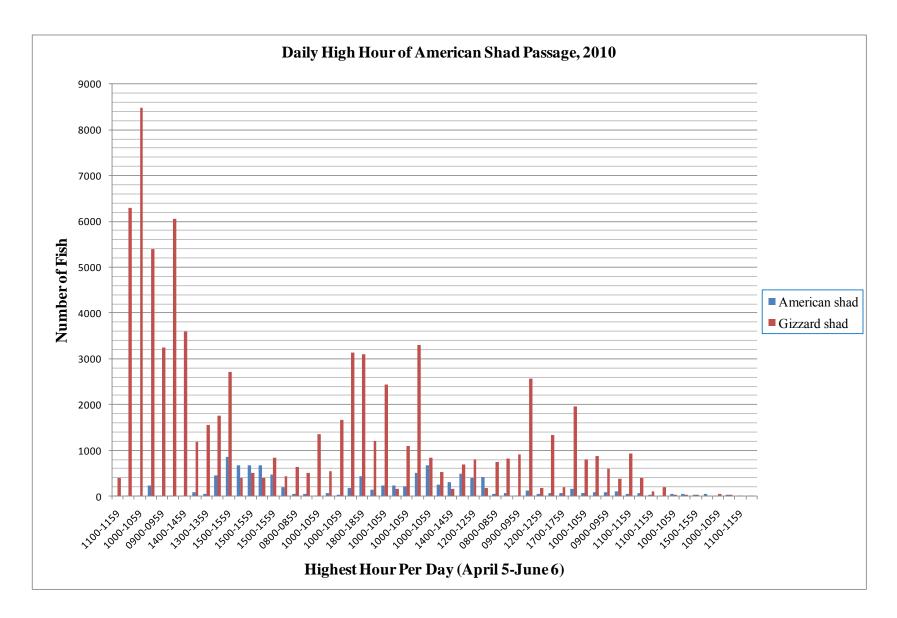
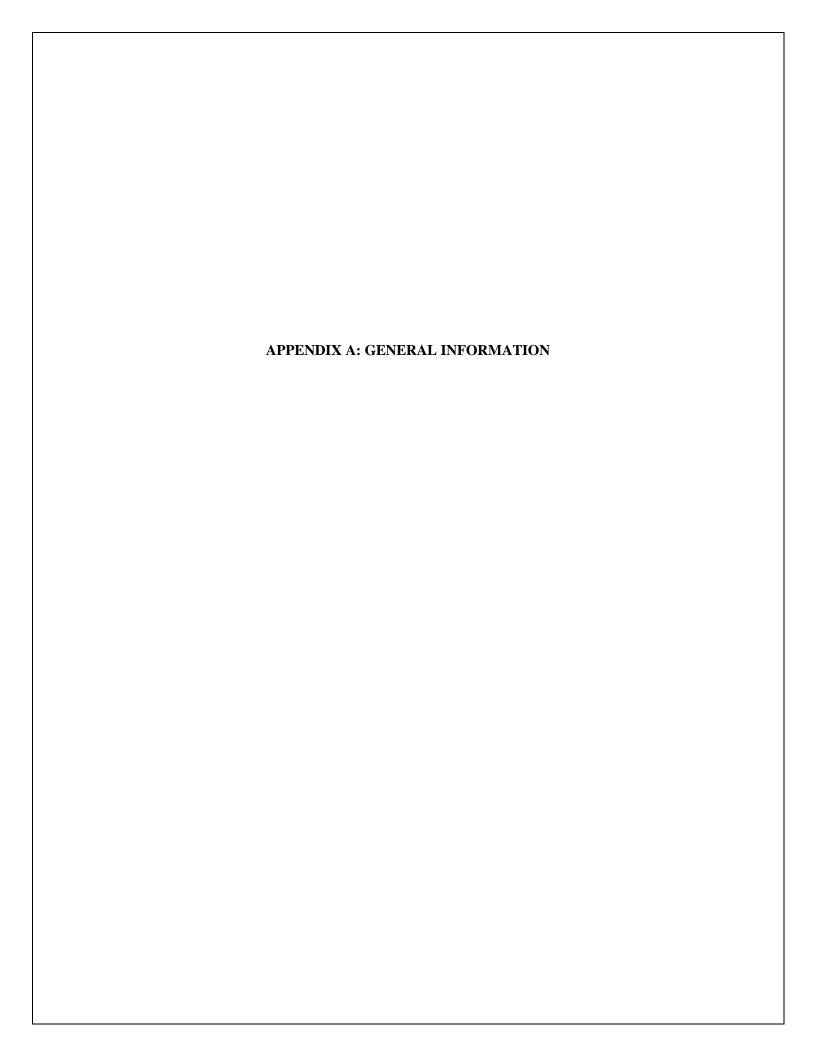
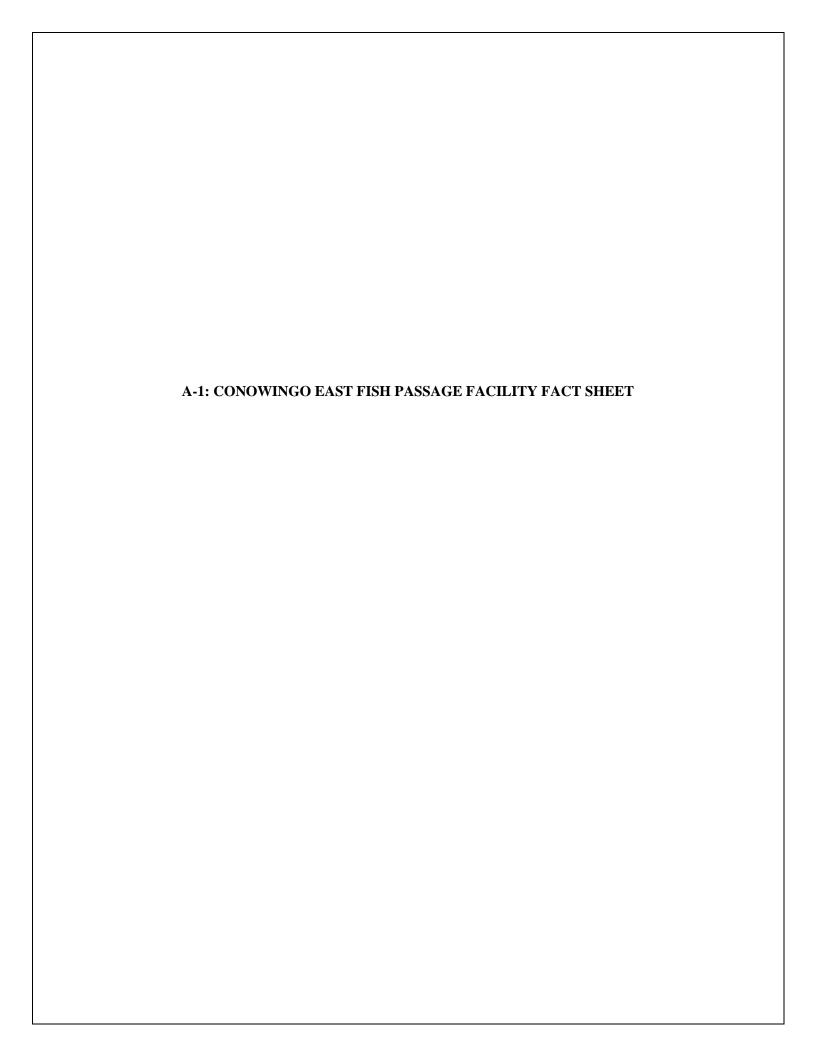


FIGURE 4.1-12: DAILY HIGH HOUR OF AMERICAN SHAD PASSAGE, 2010.



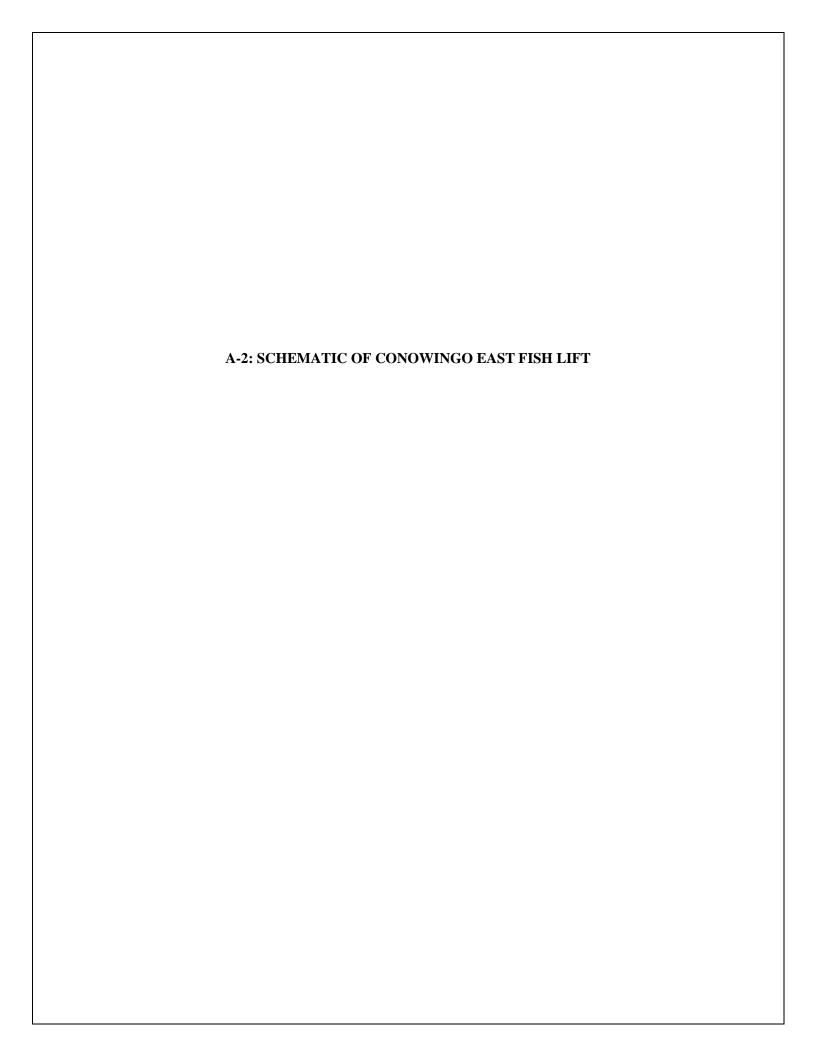




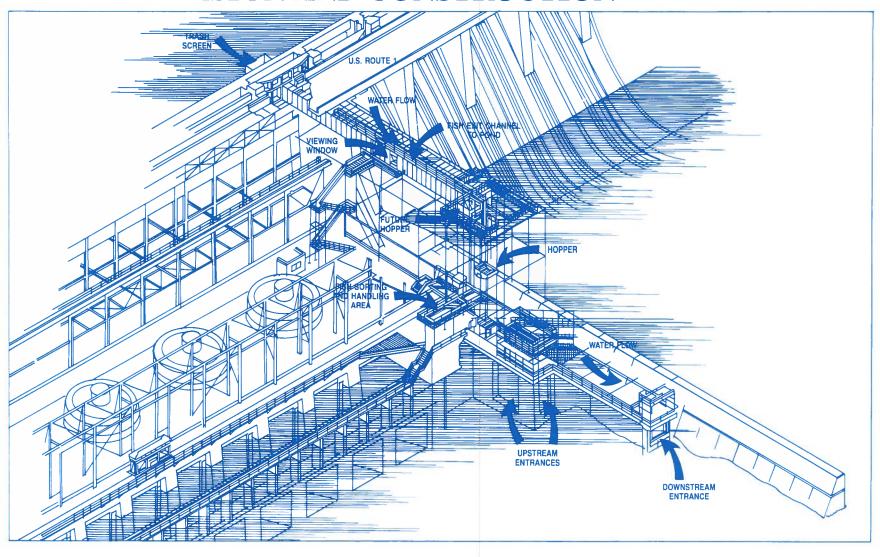
CONOWINGO HYDROELECTRIC STATION

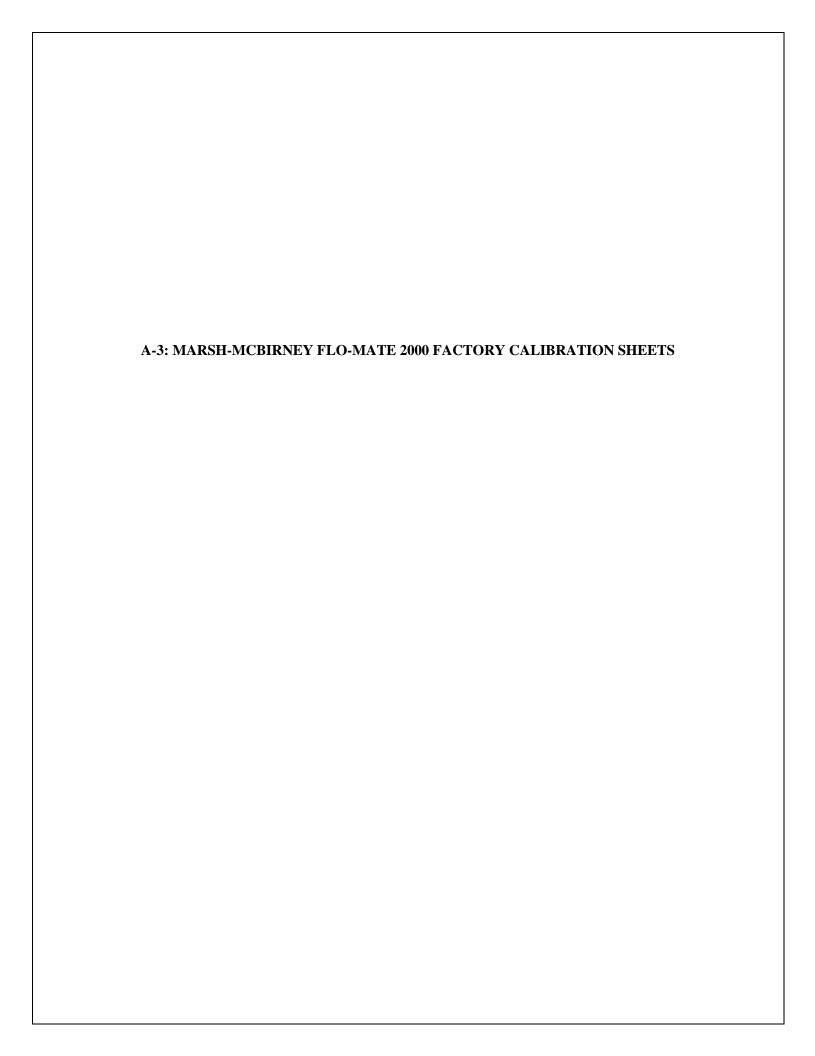
Conowingo East Fish Passage Facility Fact Sheet

| Design Engineers | Stone & Webster Engineering Cherry Hill, N.J. |
|--|---|
| The lift was designed following U.S. Fish and Wildlife Service guid other state and federal agencies. | delines and in cooperation with |
| Construction Contractor Construction Start Construction Completion Dedication Cost Excavation Structural Concrete Structural Steel Stones used to construct temporary mid-river work island and access road | Baltimore, MD . April 1, 1990 . April 1, 1991 . May 9, 1991 . \$12 million . 2,300 cubic yards . 2,100 cubic yards . 500 tons |
| Approximate Operation Schedule | • |
| Fish Lift Design Capacity | |
| Capacity after expansion | . 1.5 million American shad 10 million herring |
| Number of entrances | .3 14' high x 10' wide each |
| Water volume release to attract fish | 300-900 cubic feet/sec. |
| Velocity of attraction flow | .4 to 5 feet/sec. |
| Disposition of Catch | Discharge into Conowingo Pond via exit flume, or loaded into tanks and transported upriver by truck. |
| Cycle Time | . 15 minutes to flume 10 minutes sorting tank |
| Hopper Capacity | 3,500 gallons |
| Dimensions of exit flume | 14' wide x 12' high x 190' long; 230,000 gallon max. capacity |
| Hopper Hoist Capacity | 22 tons |

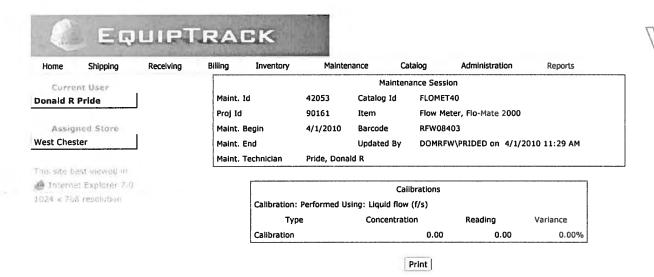


NEW LIFT DESIGN AND CONSTRUCTION



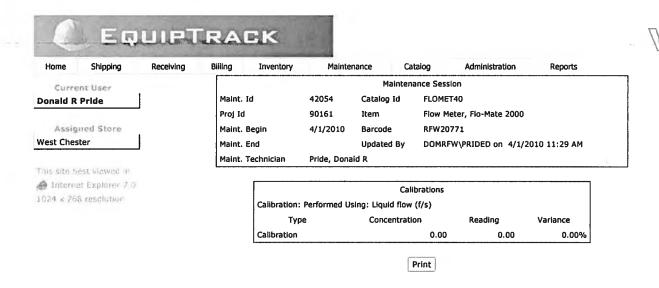


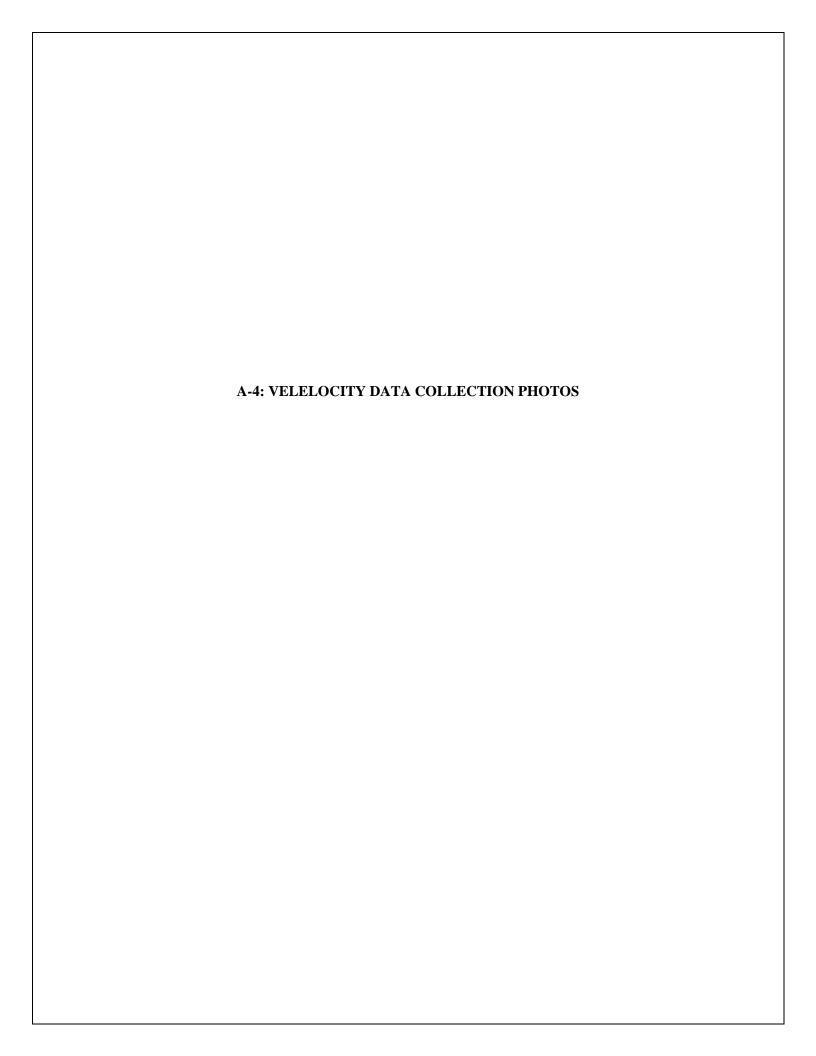
CalibrationKeport Page 1 of 1





CalibrationReport



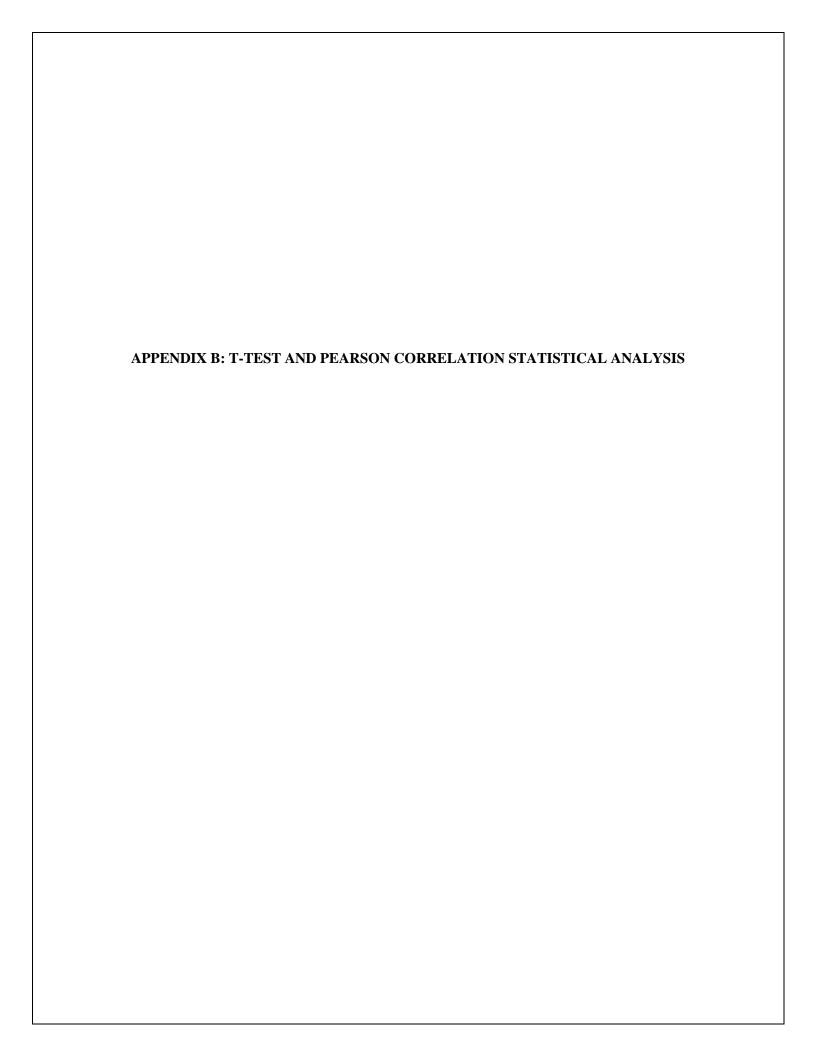












T-test for hourly American shad catches at the East Fish Lift 10:46 Friday, November 12, 2010 225 and the simultaneous conditions of lift operation and 4 Small Units, Units 10, 11, 2001 - 2010.

The TTEST Procedure

Statistics

| | | | Lower CL | U _] | pper CL | Lower CL | | Upper CL | | |
|----------|----------------------------|--------|----------|----------------|----------|----------|---------|-------------|-----------|-------|
| Variable | group | N | Mean | Mean | Mean | Std Dev | Std Dev | Std Dev Sto | d Err Min | n Max |
| Amshad | 4 Small Units, units 10,11 | 29 | 84.788 | 178.59 | 272.38 | 195.69 | 246.59 | 333.5 45 | .791 0 | 681 |
| Amshad | All other conditions | 4635 | 155.85 | 165.83 | 175.82 | 339.79 | 346.71 | 353.92 5 | .0926 0 | 4640 |
| Amshad | Diff (1-2) | | -113.7 | 12.7 | 52 139.1 | 8 339.33 | l 346.1 | 9 353.37 | 64.487 | |
| | | | | | | | | | | |
| | | | | | | T-Tests | 5 | | | |
| | | Varial | ble Me | thod | Va | riances | DF | t Value | Pr > t | |

| Variable | Method | Variances | DF | t Value | Pr > t |
|----------|---------------|-----------|------|---------|---------|
| Amshad | Pooled | Equal | 4662 | 0.20 | 0.8433 |
| Amshad | Satterthwaite | Unequal | 28.7 | 0.28 | 0.7839 |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4634 | 28 | 1.98 | 0.0283 |

| T-test for hourly American shad catches at the East Fish Lift | 10:46 Friday, November 12, 2010 224 |
|--|-------------------------------------|
| and the simultaneous conditions of lift operation and 4 Small Units, | Units 8,9, 2001 - 2010. |

Statistics

| | | | Lower CL | | Upper CL | Lower CL | | Upper CL | | | |
|----------|------------------------------|------|----------|--------|----------|----------|---------|----------|---------|---------|---------|
| Variable | group | N | Mean | Mean | Mean | Std Dev | Std Dev | Std Dev | Std Err | Minimum | Maximum |
| 3 | 4 Garall Trade a condeta 0 0 | 1.40 | 41 260 | F7 006 | 74 41 | 01 640 | 100 07 | 115 10 | 0 2610 | 0 | 506 |
| Amshad | 4 Small Units, units 8,9 | 149 | 41.362 | 57.886 | 74.41 | 91.648 | 102.07 | 115.19 | 8.3619 | U | 586 |
| Amshad | All other conditions | 4515 | 159.24 | 169.48 | 179.71 | 343.68 | 350.77 | 358.16 | 5.2203 | 0 | 4640 |
| Amshad | Diff (1-2) | | -168 | -111.6 | -55.17 | 338.76 | 345.64 | 352.8 | 28.779 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

T-Tests

| Variable | Method | Variances | DF | t Value | Pr > t |
|----------|---------------|-----------|------|---------|---------|
| Amshad | Pooled | Equal | 4662 | -3.88 | 0.0001 |
| Amshad | Satterthwaite | Unequal | 284 | -11.32 | <.0001 |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4514 | 148 | 11.81 | <.0001 |

T-test for hourly American shad catches at the East Fish Lift and the simultaneous conditions of lift operation and 4 Small Units, 2 large Units, 2001 - 2010.

The TTEST Procedure

Amshad

463

Folded F

4199

Statistics

| | | | | Lower CL | | Upper CL | Lower CL | | |
|---------------------------------|------------------------------|---------------------|-------------|--------------|------------------|----------|----------|---------|-----|
| Upper CL Variable Dev Std | group Err Minimum M | aximum | N | Mean | Mean | Mean | Std Dev | Std Dev | Std |
| Amshad 417.02 | 4 Small Units, 2 18.112 0 | large units 4640 | 464 | 138.14 | 173.73 | 209.33 | 366.56 | 390.15 | |
| Amshad 348.44 | All other condit 5.2616 0 | ions 4400 | 4200 | 154.73 | 165.05 | 175.36 | 333.85 | 340.99 | |
| Amshad 353.36 | Diff (1-2) 16.936 | | | -24.52 | 8.6859 | 41.888 | 339.3 | 346.19 | |
| | | T-Tests | | | | | | | |
| Variable | Method | Variances | DF | t Value | Pr > t | | | | |
| Amshad Amshad | Pooled Satterthwaite | Equal Unequal | 4662 544 | 0.51 0.46 | 0.6081 0.6453 | | | | |
| | Equalit | y of Variances | 5 | | | | | | |
| Variable | Method Num | DF Den DF | F Val | ue Pr > | F | | | | |

<.0001

1.31

T-test for hourly American shad catches at the East Fish Lift 10:46 Friday, November 12, 2010 223 and the simultaneous conditions of lift operation and 4 Small Units, no large, 2001 - 2010.

The TTEST Procedure

Statistics

4274

388

1.77

< .0001

| Variable group | N | Lower CL Mean | Mean | Upper CL Mean | Lower CL Std Dev | Std Dev | Upper CI Std Dev | Std Err | Min | Maximum |
|--|-------------|----------------------------|----------------------------|-------------------|----------------------------|---------------------------|---------------------------|----------------------------|--------|--------------|
| Amshad 4 Small Units, no large Amshad All other conditions Amshad Diff (1-2) | 389 4275 | 154.93 153.94 -19.09 | 181.35 164.51 16.847 | 175.08 | 247.72 345.28 339.28 | 265.13 352.6 346.16 | 285.2 360.24 353.34 | 13.443 5.3928 18.332 | 0 | 1782 4640 |
| | | | | | T | -Tests | | | | |
| | | Variabl | e Me | thod | Var | iances | DF | t Value | Pr > | t |
| | | Amshad Amshad | | oled tterthwai | Equ te Une | al qual | 4662 522 | 0.92 1.16 | | 3582 2453 |
| | | | | | Equality | of Varia | inces | | | |
| | | Var | iable | Method | Num | DF Den | DF F | Value | Pr > F | |

Folded F

Amshad

T-test for hourly American shad catches at the East Fish Lift and the simultaneous conditions of lift operation and 6 Small Units, 8 and 9, 2001 - 2010.

The TTEST Procedure

Statistics

| | | | Lower | CL | Upper | CL Lower | CL | Uj | pper CL | | |
|----------|--------------------------|------|--------|--------|--------|----------|---------|---------|---------|---------|---------|
| Variable | group | N | Mean | Mean | Mean | Std Dev | Std Dev | Std Dev | Std Err | Minimum | Maximum |
| Amshad | 6 Small Units, units 8,9 | 23 | 3.046 | 10.783 | 18.519 | 13.837 | 17.891 | 25.322 | 3.7305 | 0 | 61 |
| Amshad | All other conditions | 4641 | 156.7 | 166.68 | 176.66 | 339.93 | 346.84 | 354.04 | 5.0912 | 0 | 4640 |
| Amshad | Diff (1-2) | | -297.7 | -155.9 | -14.1 | 339.14 | 346.02 | 353.19 | 72.329 | | |
| | | | | | | | | | | | |

T-Tests

| Variable | Method | Variances | DF | t Value | Pr > t |
|----------|---------------|-----------|------|---------|---------|
| Amshad | Pooled | Equal | 4662 | -2.16 | 0.0312 |
| Amshad | Satterthwaite | Unequal | 177 | -24.70 | <.0001 |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4640 | 22 | 375.83 | <.0001 |

| T-test for hourly American shad catches at the East Fish Lift | 10:46 Friday, November 12, 2010 222 |
|--|-------------------------------------|
| and the simultaneous conditions of lift operation and Units 1 thru 11. | , 2001 - 2010. |

Statistics

| Variable group | N | Lower CL Mean | Mean | Upper CL Mean | Lower CL Std Dev | Std Dev | Upper CL Std Dev | Std Err | Minimum | Maximum |
|--|--------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------|--------------|
| Amshad All other condit Amshad Units 1 thru 11 Amshad Diff (1-2) | 3623 1041 | 172.04 89.196 58.222 | 184.21 102.24 81.973 | 196.38 115.28 105.72 | 365.17 205.59 337.66 | 373.58 214.42 344.51 | 382.39 224.05 351.65 | 6.2066 6.6457 12.115 | 0 | 4640 1730 |

T-Tests

| Variable | Method | Variances | DF | t Value | Pr > t |
|----------|---------------|-----------|------|---------|---------|
| Amshad | Pooled | Equal | 4662 | 6.77 | <.0001 |
| Amshad | Satterthwaite | Unequal | 2992 | 9.01 | <.0001 |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 3622 | 1040 | 3.04 | <.0001 |

| T-test for hourly American sh | had catches at the Ea | st Fish Lift 10:46 | Friday, November 12, 2010 217 |
|--------------------------------|-----------------------|----------------------------|-------------------------------|
| and the simultaneous condition | ons of lift operation | and Units 1 thru 6 and 8,9 | , 2001 - 2010. |

Statistics

| | | | Lower CL | | Upper CL | Lower CL | | Upper CL | | | |
|----------|-------------------------|------|----------|--------|----------|----------|---------|----------|---------|---------|---------|
| Variable | group | N | Mean | Mean | Mean | Std Dev | Std Dev | Std Dev | Std Err | Minimum | Maximum |
| | | | | | | | | | | | |
| Amshad | All other conditions | 4659 | 156.11 | 166.06 | 176.01 | 339.42 | 346.32 | 353.49 | 5.0737 | 0 | 4640 |
| Amshad | Units 1 thru 6 and 8, 9 | 5 | 8.1548 | 29.6 | 51.045 | 10.348 | 17.271 | 49.63 | 7.724 | 12 | 57 |
| Amshad | Diff (1-2) | | -167.2 | 136.46 | 440.12 | 339.28 | 346.17 | 353.34 | 154.89 | | |

T-Tests

| Variable | Method | Variances | DF | t Value | Pr > t |
|----------|---------------|-----------|------|---------|---------|
| Amshad | Pooled | Equal | 4662 | 0.88 | 0.3784 |
| Amshad | Satterthwaite | Unequal | 8.2 | 14.77 | <.0001 |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4658 | 4 | 402.06 | <.0001 |

T-test for hourly American shad catches at the East Fish Lift 10:46 Friday, November 12, 2010 221 and the simultaneous conditions of lift operation and Units 1 thru 9 and 11, 2001 - 2010.

The TTEST Procedure

Statistics

| Variable | group | N | Lower CI Mean | บ _ุ Mean | pper CL Mean | Lower CL Std Dev | Std Dev | Upper CL Std Dev | Std Err Mi | n Maximum |
|----------------------------|---|------------|--------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------------|-------------|
| Amshad Amshad Amshad | All other conditions Units 1 thru 9 and 11 Diff (1-2) | 4627 37 | 156.3 60.83 -62.85 | 166.3 117.14 49.168 | 176.31 173.44 161.18 | 340.26 137.33 339.28 | 347.19 168.87 346.17 | 354.42 219.36 353.34 | 5.1041 0 27.763 0 57.137 | 4640 676 |
| | | | | | | T-Tests | | | | |
| | | | Variable | Method | | Variances | DF | t Value | Pr > t | |
| | | | Amshad Amshad | Pooled Satter | thwaite | Equal Unequal | 4662 38.5 | 0.86 1.74 | 0.3895 0.0895 | |
| | | | | | | | _ | | | |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4626 | 36 | 4.23 | <.0001 |

T-test for hourly American shad catches at the East Fish Lift 10:46 Friday, November 12, 2010 214 and the simultaneous conditions of lift operation and Units 2, 5, 6, 7,8 only, 2001 - 2010.

The TTEST Procedure

Statistics

| | | | Low | er CL | | Upper CL | Lower CL | | Upper CL | | |
|----------|--------------------------|------|--------|--------|--------|----------|----------|---------|----------|---------|---------|
| Variable | group | N | Mean | Mean | Mean | Std Dev | Std Dev | Std Dev | Std Err | Minimum | Maximum |
| Amshad | All other conditions | 4643 | 156.51 | 166.49 | 176.47 | 339.9 | 346.82 | 354.02 | 5.0898 | 0 | 4640 |
| Amshad | Units 2, 5, 6, 7, 8 only | 21 | 14.259 | 38.81 | 63.36 | 41.263 | 53.934 | 77.884 | 11.769 | 0 | 231 |
| Amshad | Diff (1-2) | | -20.72 | 127.68 | 276.07 | 339.21 | 346.09 | 353.26 | 75.694 | | |

T-Tests

| Variable | Method | Variances | DF | t Value | Pr > t |
|----------|---------------|-----------|------|---------|---------|
| Amshad | Pooled | Equal | 4662 | 1.69 | 0.0917 |
| Amshad | Satterthwaite | Unequal | 28.2 | 9.96 | <.0001 |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4642 | 20 | 41.35 | <.0001 |

T-test for hourly American shad catches at the East Fish Lift 10:46 Friday, November 12, 2010 211 and the simultaneous conditions of lift operation and Units 2, 5 and 6 or 7 only, 2001 - 2010.

The TTEST Procedure

Statistics

| | | | | Statistics | | | | | |
|---------------------------------|------------------|-------------------|--------|------------|-------------|----------|-------------|------------|---------|
| II OI | | | | | Lower CL | | Upper CL | Lower CL | |
| Upper CL Variable Std Dev | group Std Err | Minimum | Maximu | N m | Mean | Mean | Mean | Std Dev | Std Dev |
| Amshad 353.64 | All other | r conditions 0 | 4640 | 4655 | 155.88 | 165.84 | 175.8 | 339.55 | 346.45 |
| Amshad 235.42 | | 5, and 6 or 34 | | . 9 | 109.32 | 203.78 | 298.24 | 83.003 | 122.88 |
| Amshad 353.37 | Diff (1-2 | _ | 100 | | -264.4 | -37.94 | 188.51 | 339.31 | 346.19 |
| | | | | | | | | | |
| | | | | | | T- | -Tests | | |
| t | | | | Variable | Method | Vari | iances | DF t Value | Pr > |
| 0.7426 | | | | Amshad | Pooled | Equa | al 40 | 562 -0.33 | |
| | | | | Amshad | Satterthwai | ite Uned | qual 8 | .25 -0.92 | |
| 0.3841 | | | | | | | | | |
| | | | | | | Equality | of Variance | es | |
| | | | | Variabl | e Method | Num I | OF Den DI | F F Value | Pr > F |
| | | | | Amshad | Folded | F 465 | 54 8 | 7.95 | 0.0036 |

| T-test for hourly American shad catches at the East Fish Lift | 10:46 Friday, November 12, 2010 210 |
|--|-------------------------------------|
| and the simultaneous conditions of lift operation and Units 2 and 5 or | nly, 2001 - 2010. |

Statistics

| | | | Lowe | er CL | Uppe | r CL L | ower CL | | Upp | er CL | | |
|------------------|-------------------------------|------|------------------|-------------------------|----------------|------------------|-------------|--------------|------------------|------------------|---------|---------|
| Variable | group | N | Mean | Mean | Mean | Std Dev | Std | Dev | Std Dev | Std Err | Minimum | Maximum |
| Amshad | All other condi | 4573 | 157.4 | | 77.64 | 341.98 | | 8.99 | 356.29 | 5.1607 | 0 | 4640 |
| Amshad Amshad | Units 2, 5 only Diff (1-2) | 91 | 60.036 10.609 | | 10.16 54.24 | 105.04 339.13 | | 0.35 6.01 | 140.91 353.18 | 12.616 36.631 | 0 | 677 |
| | | | | | | | | | | | | |
| | | | T-Tests | | | | | | | | | |
| | | | Variable | Method | Var | iances | DF | t Value | Pr > | t | | |
| | | | Amshad Amshad | Pooled Satterthwaite | Equ | al gual | 4662 123 | 2.25 | | 245 001 | | |
| | | | Impliad | baccer cliware | 0110 | ·quui | 123 | 0.03 | 1.0 | | | |
| | | | | | | | | | | | | |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4572 | 90 | 8.41 | <.0001 |

| T-test for hourly American shad catches at the East Fish Lift | 10:46 Friday, November 12, 2010 220 |
|---|-------------------------------------|
| and the simultaneous conditions of lift operation and Units 2 thru 11 | , 2001 - 2010. |

Statistics

| | | | Lower CL | | Upper CL | Lower CL | | Upper CL | | | |
|----------|------------------|------|----------|--------|----------|----------|---------|----------|---------|---------|---------|
| Variable | group | N | Mean | Mean | Mean | Std Dev | Std Dev | Std Dev | Std Err | Minimum | Maximum |
| Amshad | All other condit | 4493 | 148.85 | 158.55 | 168.25 | 324.93 | 331.65 | 338.65 | 4.9477 | 0 | 4640 |
| Amshad | Units 2 thru 11 | 171 | 271.2 | 359.4 | 447.6 | 528.21 | 584.27 | 653.74 | 44.68 | 0 | 4050 |
| Amshad | Diff (1-2) | | -253.4 | -200.9 | -148.3 | 337.29 | 344.13 | 351.26 | 26.812 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | т | '-Tests | | | | | |

T-Tests

| Variable | Method | Variances | DF | t Value | Pr > t |
|----------|---------------|-----------|------|---------|---------|
| Amshad | Pooled | Equal | 4662 | -7.49 | <.0001 |
| Amshad | Satterthwaite | Unequal | 174 | -4.47 | <.0001 |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 170 | 4492 | 3.10 | <.0001 |

| T-test for hourly | y American shad | catches at | the East | Fish Lift | 10:46 Friday, |
|-------------------|-----------------|------------|----------|-----------|---------------|
|-------------------|-----------------|------------|----------|-----------|---------------|

and the simultaneous conditions of lift operation and Units 2 thru 8, 2001 - 2010.

The TTEST Procedure

Statistics

| Variable | group | N | Lower CL Mean | Upper C Mean Mean | | Std Dev | Upper CL Std Dev | Std Err | Minimum | Maximum |
|----------------------------|---|------------|----------------------------|---|------------------|----------------------------|----------------------------|----------------------------|---------|-------------|
| Amshad Amshad Amshad | All other condi Units 2 thru 8 Diff (1-2) | 4638 26 | 156.67 13.109 0.1967 | 166.66 176. 33.038 52.9 133.62 267. | 68 38.697 | 346.97 49.342 346.05 | 354.17 68.112 353.22 | 5.0947 9.6767 68.056 | 0 2 | 4640 249 |
| | | | | | T-Tests | | | | | |
| | | | Variable | Method | Variances | DF t | Value Pr | > t | | |
| | | | Amshad Amshad | Pooled Satterthwaite | Equal Unequal | 4662 40.8 | | 0.0497 <.0001 | | |

November 12, 2010 216

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4637 | 25 | 49.45 | <.0001 |

| T-test for hourly American shad catches at the East Fish Lift | 10:46 Friday, November 12, 2010 218 |
|--|-------------------------------------|
| and the simultaneous conditions of lift operation and Units 2 thru 9 | and 11 , 2001 - 2010. |

Statistics

| Variable | group | N | Lower CL Mean | Mean | Upper CL Mean | Lower CL Std Dev | Std Dev | Upper CL Std Dev | Std Err | Minimum | Maximum |
|----------------------------|---|------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|----------------------------|---------------------------|---------|-------------|
| Amshad Amshad Amshad | All other conditions Units 1 thru 6 and 8, 9 Diff (1-2) | 4621 43 | 156.83 34.97 -1.901 | 166.85 64.814 102.04 | 176.88 94.658 205.98 | 340.56 79.959 339.18 | 347.5 96.974 346.06 | 354.74 123.25 353.23 | 5.112 14.788 53.018 | 0 | 4640 421 |

T-Tests

| Variable | Method | Variances | DF | t Value | Pr > t |
|----------|---------------|-----------|------|---------|---------|
| Amshad | Pooled | Equal | 4662 | 1.92 | 0.0543 |
| Amshad | Satterthwaite | Unequal | 52.6 | 6.52 | <.0001 |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4620 | 42 | 12.84 | <.0001 |

| T-test for hourly American shad catches | at the East Fish Lift 10:46 | Friday, November 12, 2010 215 |
|---|--------------------------------------|-------------------------------|
| and the simultaneous conditions of lift | operation and Units 4 thru 9 and 11, | 2001 - 2010. |

Statistics

| Variable | group | N | Lower CL Mean | Mean | Upper CL Mean | Lower CL Std Dev | Std Dev | Upper CL Std Dev | Std Err | Minimum | Maximum |
|----------|-----------------------|------|------------------|--------|------------------|---------------------|---------|---------------------|---------|---------|---------|
| Amshad | All other conditions | 4621 | 157.32 | 167.34 | 177.36 | 340.51 | 347.45 | 354.68 | 5.1112 | 0 | 4640 |
| Amshad | Units 4 thru 9 and 11 | 43 | 8.7165 | 12.837 | 16.958 | 11.04 | 13.39 | 17.018 | 2.0419 | 0 | 48 |
| Amshad | Diff (1-2) | | 50.613 | 154.5 | 258.39 | 339 | 345.88 | 353.05 | 52.991 | | |

T-Tests

| Variable | Method | Variances | DF | t Value | Pr > t |
|----------|---------------|-----------|------|---------|---------|
| Amshad | Pooled | Equal | 4662 | 2.92 | 0.0036 |
| Amshad | Satterthwaite | Unequal | 1634 | 28.07 | < .0001 |

| Variable | Method | Num DF | Den DF | F Value | Pr > F |
|----------|----------|--------|--------|---------|--------|
| Amshad | Folded F | 4620 | 42 | 673.35 | <.0001 |

Correlations between hourly American shad and Gizzard shad catches at the East Fish Lift and simultaneous conditions of lift operation and station operation, 2001 - 2010.

The CORR Procedure

Simple Statistics

| Variable | N | Mean | Std Dev | Sum | Minimum | Maximum | Label |
|-------------|------|-----------|-----------|---------|----------|-----------|-------------|
| GateSetting | 4470 | 60.55123 | 20.38919 | 270664 | 25.00000 | 100.00000 | GateSetting |
| DiffuserA | 1645 | 14.92280 | 10.51778 | 24548 | 1.00000 | 65.00000 | DiffuserA |
| DiffuserB | 3249 | 51.83657 | 12.29500 | 168417 | 18.00000 | 100.00000 | DiffuserB |
| SpillwayA | 4138 | 13.15708 | 0.62304 | 54444 | 9.00000 | 20.00000 | SpillwayA |
| SpillwayB | 4138 | 13.16361 | 0.61765 | 54471 | 9.00000 | 20.00000 | SpillwayB |
| Crowder_ | 4437 | 25.82240 | 13.38797 | 114574 | 1.00000 | 80.00000 | Crowder |
| Tailrace_ | 4524 | 20.86847 | 2.12717 | 94409 | 14.50000 | 24.00000 | Tailrace |
| Watertemp | 3136 | 64.91138 | 6.09450 | 203562 | 48.70000 | 83.30000 | Watertemp |
| Unit_1 | 4945 | 0.69323 | 0.46120 | 3428 | 0 | 1.00000 | |
| Unit_2 | 4945 | 0.22123 | 0.41512 | 1094 | 0 | 1.00000 | |
| Unit_3 | 4945 | 0.25945 | 0.43838 | 1283 | 0 | 1.00000 | |
| Unit_4 | 4945 | 0.31790 | 0.46571 | 1572 | 0 | 1.00000 | |
| Unit_5 | 4945 | 0.36380 | 0.48114 | 1799 | 0 | 1.00000 | |
| Unit_6 | 4945 | 0.32012 | 0.46657 | 1583 | 0 | 1.00000 | |
| Unit_7 | 4945 | 0.40506 | 0.49095 | 2003 | 0 | 1.00000 | |
| Unit_8 | 4945 | 0.27159 | 0.44482 | 1343 | 0 | 1.00000 | |
| Unit_9 | 4945 | 0.29525 | 0.45620 | 1460 | 0 | 1.00000 | |
| Unit_10 | 4945 | 0.25278 | 0.43465 | 1250 | 0 | 1.00000 | |
| Unit_11 | 4945 | 0.25622 | 0.43659 | 1267 | 0 | 1.00000 | |
| largeunits | 4945 | 1.07583 | 1.62446 | 5320 | 0 | 4.00000 | |
| smallunits | 4945 | 2.58079 | 2.11435 | 12762 | 0 | 7.00000 | |
| Amshad | 5024 | 184.24443 | 380.35448 | 925644 | 0 | 4640 | Amshad |
| Gizz | 4643 | 1312 | 1453 | 6090966 | 0 | 15964 | Gizz |

The CORR Procedure

Pearson Correlation Coefficients $\begin{array}{c|cccc} \text{Prob} > |r| & \text{under HO: Rho=0} \\ \text{Number of Observations} \end{array}$

| | Amshad | Gizz |
|----------------------------|----------------------------|----------------------------|
| GateSetting GateSetting | 0.04693 0.0017 4463 | -0.19425 <.0001 4450 |
| DiffuserA DiffuserA | 0.29315 <.0001 1640 | -0.19133 <.0001 1634 |
| DiffuserB DiffuserB | 0.14031 <.0001 3246 | -0.00779 0.6575 3239 |
| SpillwayA SpillwayA | -0.05829 0.0002 4131 | -0.06475 <.0001 4119 |
| SpillwayB SpillwayB | -0.06308 <.0001 4131 | -0.06358 <.0001 4119 |
| Crowder_ Crowder | -0.16527 <.0001 4430 | 0.12359 <.0001 4417 |
| Tailrace_ Tailrace | -0.08607 <.0001 4517 | 0.22277 <.0001 4504 |
| Watertemp Watertemp | -0.01272 0.4768 3132 | -0.19247 <.0001 3124 |

The CORR Procedure

Pearson Correlation Coefficients

Prob > |r| under H0: Rho=0

Number of Observations

| | Amshad | Gizz |
|---------|----------------------------|----------------------------|
| Unit_1 | -0.23912 <.0001 4938 | 0.01838 0.2141 4570 |
| Unit_2 | 0.05492 0.0001 4938 | -0.06587 <.0001 4570 |
| Unit_3 | 0.12990 <.0001 4938 | -0.04430 0.0027 4570 |
| Unit_4 | 0.07083 <.0001 4938 | -0.02467 0.0953 4570 |
| Unit_5 | 0.11759 <.0001 4938 | -0.00589 0.6906 4570 |
| Unit_6 | 0.08827 <.0001 4938 | -0.00306 0.8363 4570 |
| Unit_7 | 0.20601 <.0001 4938 | -0.01936 0.1907 4570 |
| Unit_8 | 0.06946 <.0001 4938 | 0.00642 0.6642 4570 |
| Unit_9 | 0.05578 <.0001 4938 | -0.01209 0.4140 4570 |
| Unit_10 | 0.00999 0.4830 4938 | 0.00963 0.5150 4570 |

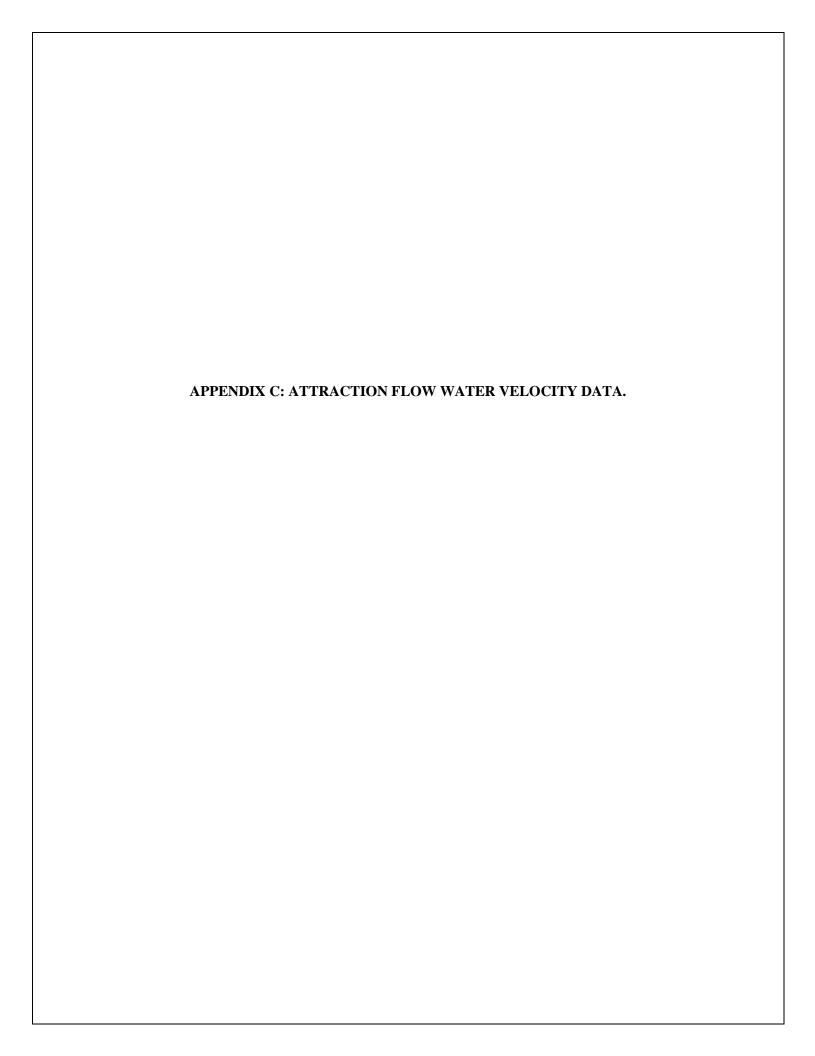
The CORR Procedure

Pearson Correlation Coefficients

Prob > |r| under H0: Rho=0

Number of Observations

| | Amshad | Gizz |
|------------|---------------------------|----------------------------|
| Unit_11 | 0.09681 <.0001 4938 | -0.03081 0.0373 4570 |
| largeunits | 0.06338 <.0001 4938 | -0.00720 0.6265 4570 |
| smallunits | 0.09523 <.0001 4938 | -0.02981 0.0439 4570 |



| | | | | | | | | | | | | | | Conowing | East Lift Attraction | Flow Stu | ıdv: 2010 | | | | | |
|---------------|---|--|--|--|---|---|--|---|---|---|--------------------------------------|--------------------------------------|--------------|--------------------------|--|----------|-------------------|--|---|---|--|-------------------------|
| | | | | nall U | | | \Box | | | rge U | | | | | Weir Gates | | | | Crowder Area Gate | Pond Level | Tailrace Level | Comments |
| Date | Time | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | _ | Α | % Open | B % Open | С | % Open | (ft/s) | % Open | ft | ft | |
| 4/9/2010 | 1300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | | | 1 | 40% | 3.00 | 30% | 107.0 | 23.0 | |
| | 1410 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | | | 1 | 40% | 3.00 | 30% | 106.9 | 23.0 | |
| 4/11/2012 | 1445 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | - | 030/ | | 1 | 40% | 2.95 | 30% | 106.8 | 23.0 | |
| 4/11/2010 | 950 1025 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 92% 82% | | | | 4.10 | 20% | 106.9 106.9 | 18.0 19.5 | |
| | 1115 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 82% | | | | 3.90 | 20% | 107.4 | 19.5 | |
| | 1330 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 77% | | | | 3.65 | 25% | 108.0 | 19.5 | |
| | 1355 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 77% | | | | 3.60 | 25% | 108.0 | 19.5 | |
| | 1435 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 70% | 3.70 | 25% | 108.3 | 21.0 | |
| | 1500 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | ļ | | 1 | 70% | 3.90 | 25% | 108.4 | 21.0 | |
| | 1550 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 70% | 4.20 | 25% | 108.4 | 21.0 | |
| 4/13/2010 | 1115 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | 1 | 40% | 3.20 | 25% | 107.1 | 23.0 | Unit 11: running at 70% |
| | 1355 1430 | 0 | 0 | 0 | 0 | 1 | 1 1 | 1 | 1 | 0 | 0 | 1 | | | | 1 | 65% 65% | 3.00 | 31% 31% | 107.4 107.8 | 20.5 | |
| | 1530 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | | + | | 1 | 63% | 3.40 | 31% | 107.8 | 22.0 | |
| | 1630 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | | - | | 1 | 60% | 3.10 | 31% | 107.7 | 22.0 | |
| 4/14/2010 | 1045 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 55% | 3.80 | 31% | 107.2 | 22.0 | |
| | 1235 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 65% | 3.70 | 29% | 107.4 | 22.0 | |
| | 1330 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | 1 | 0 | 0 | | ļ | | 1 | 65% | 3.90 | 31% | 107.7 | 21.8 | |
| | 1440 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | ļ | | 1 | 65% | 3.80 | 31% | 107.3 | 21.8 | |
| | 1520 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | ļ | | 1 | 65% | 4.00 | 31% | 107.7 | 21.8 | |
| 4/45/2040 | 1625 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 65% | 3.90 | 31% | 107.5 | 21.8 | |
| 4/15/2010 | 953 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 55% | 3.10 | 30% | 107.2 | 21.0 | |
| | 1055 1155 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | + | | 1 | 55% 55% | 3.40 | 30% | 107.1 107.0 | 21.0 | |
| | 1300 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | 1 | | 1 | 55% | 3.40 | 30% | 107.0 | 21.5 | |
| | 1400 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | 1 | | 1 | 55% | 3.10 | 30% | 107.0 | 21.5 | |
| | 1500 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 55% | 3.40 | 30% | 106.8 | 21.5 | |
| | 1600 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 55% | 3.40 | 30% | 106.7 | 21.5 | |
| 4/16/2010 | 955 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 55% | 3.70 | 30% | 107.0 | 21.0 | |
| \square | 1100 | 0 | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 55% | 3.70 | 30% | 107.0 | 21.0 | |
| | 1155 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 56% | 3.80 | 30% | 107.0 | 21.0 | |
| | 1250 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 56% | 3.80 | 30% | 107.0 | 21.0 | |
| | 1350 1450 | 0 | 0 | 0 | 1 | 1 | 1 1 | 1 | 1 | 1 | 0 | 0 | | - | | 1 | 56% 56% | 3.70 | 30% | 107.0 107.0 | 21.0 21.0 | |
| | 1550 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | 1 | | 1 | 56% | 4.00 | 29% | 107.0 | 21.0 | |
| 4/17/2010 | 840 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 84% | | _ | 30/0 | 3.00 | 25% | 107.0 | 18.5 | Debris limits flow |
| | 940 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 82% | | | | 3.20 | 30% | 107.2 | 18.5 | through gates |
| | 1038 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 80% | | | | 2.90 | 40% | 107.2 | 18.5 | |
| | 1139 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 84% | | | | 3.00 | 30% | 107.2 | 18.5 | |
| | 1236 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 84% | | | ļ | 3.30 | 30% | 107.2 | 18.5 | |
| | 1350 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 84% | | | | 3.00 | 30% | 107.2 | 18.5 | |
| | 1450 1548 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 84% | | | | 2.00 | 30% | 107.2 107.2 | 18.5 | |
| | 1620 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 84% | | 1 | 74% | 1.90 3.90 | 35% | 107.2 | 18.5 18.5 | |
| 4/18/2010 | 1400 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | 1 | 78% | 4.20 | 25% | 108.2 | 19.5 | |
| ,, =0, ==== | 1500 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | 1 | 78% | 4.10 | 25% | 108.3 | 19.5 | |
| | 1600 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | 1 | 78% | 4.10 | 25% | 108.3 | 19.5 | |
| | 1700 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | 1 | 78% | 3.70 | 25% | 108.4 | 19.5 | |
| 4/19/2010 | 830 | 0 | | 0 | 1 | 1 | | | 0 | 0 | 0 | | 1 | 82% | | | | 3.30 | 25% | 107.28 | 19.8 | |
| | 930 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 82% | | | | 3.50 | 25% | 107.6 | 19.8 | |
| | 1030 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 83% | | | | 3.50 | 25% | 107.6 | 19.8 | |
| | 1130 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 83% | | | ļ | 3.50 | 25% | 107.9 | 19.8 | |
| | 1230 1330 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 83% 78% | | | | 3.50 | 25% 30% | 108.1 108.3 | 19.7 | |
| | 1430 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 78% | | | | 4.20 | 30% | 108.7 | 20 | |
| | 1530 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 78% | | | | 4.30 | 30% | 108.3 | 20 | |
| | 1630 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 78% | | | | 3.80 | 30% | 108.3 | 20 | |
| | 1730 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | 1 | 50% | 2.90 | 30% | 108.1 | 22.5 | |
| | 1730 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | 1 | 50% | 2.90 | 30% | 108.1 | 22.5 | |
| 4/20/2010 | 830 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | - | | 1 | 71% | 3.72 | 30% | 106.5 | 22 | |
| | 930 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 66% | 3.73 | 30% | 106.4 | 20.5 | |
| | 1030 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 66% | 3.70 3.70 | 30% | 106.5 | 20.75 | |
| | 1130 1245 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 85% | | 1 | 66% | 4.08 | 30% | 106.7 106.9 | 20.75 20.75 | |
| | 1330 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | | 0 | 0 | 0 | 1 | 85% | | | | 4.08 | 30% | 100.9 | 19.5 | |
| | 1430 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 88% | | | | 4.30 | 30% | 107.6 | 19 | |
| | 1530 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | | 1 | 88% | | | | 4.51 | 30% | 107.9 | 19 | |
| | 1630 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 88% | | | | 4.30 | 30% | 107.9 | 19 | |
| | 1730 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | L | 1 | 71% | 3.80 | 30% | 107.9 | 20.5 | |
| 4/24/2040 | 1830 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | _ | - | | 1 | 71% | 3.80 | 30% | 108 | 20.5 | |
| 4/21/2010 | 1100 1300 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 94% | | 1 | 70% | 3.60 | 30% | 106.8 107.2 | 20.5 18.5 | |
| | 1400 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 94% | | | | 4.75 4.80 | 30% | 107.2 | 18.5 | |
| | 1500 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 94% | | | — | 4.95 | 30% | 107.7 | 18.5 | |
| | 1600 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 90% | | | 1 | 4.85 | 30% | 108.4 | 18.5 | |
| | 1700 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 94% | | | | 5.00 | 30% | 108.7 | 18.5 | |
| | 1800 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | 1 | 46% | 3.70 | 40% | 108.7 | 23 | |
| | 1845 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | | | | 1 | 46% | 3.65 | 40% | 108.7 | 23 | |
| 4/22/2010 | 900 | 0 | | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | 1 | 78% | L | | | 3.70 | 28% | 106.5 | 19.8 | |
| —— | 945 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 78% | | | F30/ | 3.65 | 30% | 106.9 | 19.9 | |
| | 1040 1140 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 52% 52% | 3.90 | 30% 30% | 107 107.1 | 22 | |
| 1 | 1245 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 90% | | | 32/0 | 4.65 | 30% | 107.1 | 19 | |
| | | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 90% | | | | 4.70 | 30% | 107.5 | 19 | |
| | | | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 90% | | | l | 4.85 | 30% | 107.8 | 19 | |
| | 1330 1435 | 0 | | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 90% | | | | 4.75 | 30% | 108.2 | 19 | |
| | 1330 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 90% | | | | 4.85 | 30% | 108 | 19 | |
| | 1330 1435 1545 1635 | 0 | 0 | | | | | | | | 0 | 1 | | | | 1 | 43% | 3.40 | 30% | 108.3 | 10 | |
| | 1330 1435 1545 1635 1745 | 0 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 1 | 52% | 3.20 | | | 19 | |
| 4/23/2010 | 1330 1435 1545 1635 1745 840 | 0 0 0 | 0 1 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | | | | 30% | 106.2 | 21 | |
| 4/23/2010 | 1330 1435 1545 1635 1745 840 1000 | 0 0 0 0 | 0 1 0 0 | 0 0 | 1 | 1 | 1 1 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 52% | 3.20 | 30% | 106.2 106.2 | 21 21 | |
| 4/23/2010 | 1330 1435 1545 1635 1745 840 1000 1145 | 0 0 0 0 0 | 0 1 0 0 | 1 0 0 | 1 1 1 | 1 1 1 | 1 1 1 1 | 1 1 1 | 1 1 | 1 1 1 | 0 0 | 0 0 | | | | 1 | 52% 52% | 3.20 3.30 | 30% 30% | 106.2 106.2 106.5 | 21 21 21 | |
| 4/23/2010 | 1330 1435 1545 1635 1745 840 1000 1145 1250 | 0 0 0 0 0 | 0 1 0 0 0 | 1 0 0 0 | 1 1 1 | 1 1 1 | 1 1 1 1 | 1 1 1 | 1 1 1 | 1 1 1 | 0 0 0 | 0 0 0 | 1 | 00n/ | | | 52% | 3.20 3.30 3.40 | 30% 30% 30% | 106.2 106.2 106.5 106.5 | 21 21 21 21 | |
| 4/23/2010 | 1330 1435 1545 1635 1745 840 1000 1145 1250 1355 | 0 0 0 0 0 0 | 0 1 0 0 0 0 | 1 0 0 0 0 | 1 1 1 1 0 | 1 1 1 1 | 1 1 1 1 1 0 | 1 1 1 1 | 1 1 1 1 0 | 1 1 1 1 0 | 0 0 0 0 | 0 0 0 0 | 1 1 | 88% | | 1 | 52% 52% | 3.20 3.30 3.40 4.35 | 30% 30% 30% 30% | 106.2 106.2 106.5 106.5 106.5 | 21 21 21 21 21 19 | |
| 4/23/2010 | 1330 1435 1545 1635 1745 840 1000 1145 1250 | 0 0 0 0 0 | 0 1 0 0 0 | 1 0 0 0 | 1 1 1 | 1 1 1 | 1 1 1 1 | 1 1 1 | 1 1 1 | 1 1 1 | 0 0 0 | 0 0 0 | 1 1 1 | 88% 88% 88% | | 1 | 52% 52% | 3.20 3.30 3.40 | 30% 30% 30% | 106.2 106.2 106.5 106.5 | 21 21 21 21 | |
| 4/23/2010 | 1330 1435 1545 1635 1745 840 1000 1145 1250 1355 1445 | 0 0 0 0 0 0 0 0 | 0 1 0 0 0 0 0 | 1 0 0 0 0 0 | 1 1 1 1 0 0 | 1 1 1 1 1 | 1 1 1 1 1 0 0 | 1 1 1 1 1 | 1 1 1 1 0 0 | 1 1 1 1 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 1 | 88% | | 1 | 52% 52% | 3.20 3.30 3.40 4.35 4.60 | 30% 30% 30% 30% 30% 30% | 106.2 106.2 106.5 106.5 106.5 107.0 | 21 21 21 21 21 19 | |
| | 1330 1435 1545 1635 1745 840 1000 1145 1250 1355 1445 1550 1645 | 0 0 0 0 0 0 0 0 0 | 0 1 0 0 0 0 0 0 0 0 | 1 0 0 0 0 0 0 0 | 1 1 1 0 0 0 0 | 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 0 0 0 | 1 1 1 1 1 1 1 1 1 | 1 1 1 1 0 0 0 0 | 1 1 1 1 0 0 0 | 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 | 1 1 1 | 88% 88% 88% | | 1 | 52% 52% | 3.20 3.30 3.40 4.35 4.60 4.40 4.50 3.30 | 30% 30% 30% 30% 30% 30% 30% 30% | 106.2 106.2 106.5 106.5 106.5 107.0 107.4 107.4 107.4 | 21 21 21 21 19 19 19 19 21 | |
| 4/23/2010 | 1330 1435 1545 1635 1745 840 1000 1145 1250 1355 1445 1550 1645 1735 | 0 0 0 0 0 0 0 0 0 0 | 0 1 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 0 0 0 0 0 | 1 1 1 1 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 | 1 1 1 1 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 | 1 1 1 1 0 0 0 0 0 | 1 1 1 1 0 0 0 0 0 | 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 | 1 1 1 | 88% 88% 88% 86% | | 1 | 52% 52% 52% | 3.20 3.30 3.40 4.35 4.60 4.40 4.50 3.30 3.60 | 30% 30% 30% 30% 30% 30% 30% 30% 20% | 106.2 106.2 106.5 106.5 107.0 107.4 107.4 107.4 106.0 | 21 21 21 21 19 19 19 19 21 | |
| | 1330 1435 1545 1635 1745 840 1000 1145 1250 1355 1445 1550 1645 | 0 0 0 0 0 0 0 0 0 | 0 1 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 0 0 0 | 1 1 1 0 0 0 0 | 1 1 1 1 1 1 1 1 1 | 1 1 1 1 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 0 0 0 0 0 1 0 | 1 1 1 1 0 0 0 | 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 | 1 1 1 | 88% 88% 88% | | 1 | 52% 52% 52% | 3.20 3.30 3.40 4.35 4.60 4.40 4.50 3.30 | 30% 30% 30% 30% 30% 30% 30% 30% | 106.2 106.2 106.5 106.5 106.5 107.0 107.4 107.4 107.4 | 21 21 21 21 19 19 19 19 21 | |

| | | | | | | | | | | | | | | | Conowing | o East Lift Attraction | Flow Stu | dv: 2010 | | | | | |
|-------------|---|---|---|--|--|---|---|-----|---------------------------------------|---|---|---|--|-----------|---------------------------------|--|------------------|---------------------------------|--|--|--|--|----------|
| | | Ι | Sr | nall Ur | nits | | Ι | T | | Larg | e Uni | ts | | | | Weir Gates | | | Velocity | Crowder Area Gate | Pond Level | Tailrace Level | Comments |
| Date | Time | 1 | 2 | 3 | 4 | 5 | 6 | t | 7 | 8 | | | 11 | Α | % Open | | С | % Open | (ft/s) | % Open | ft | ft | |
| | 1115 | 0 | 0 | 0 | 0 | 1 | 0 | | 1 | 0 | 0 | 0 | 0 | 1 | 80% | | | | 3.70 | 30% | 106.3 | 18.6 | |
| | 1200 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 80% | | | | 3.70 | 30% | 106.3 | 18.8 | |
| | 1245 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 85% | | | | 3.90 | 30% | 106.3 | 18.9 | |
| | 1330 | 0 | 0 | 0 | 0 | 1 | 0 | + | | 0 | 0 | 0 | 0 | 1 | 85% | | | | 3.90 | 30% | 106.5 | 18.9 | |
| | 1415 | 0 | 0 | 0 | 0 | 1 | 0 | + | | 0 | 0 | 0 | 0 | 1 | 85% | | | <u> </u> | 4.00 | 30% | 106.6 | 18.9 | |
| | 1500 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 85% | | | | 3.90 | 30% | 106.7 | 19 | |
| | 1545 | 0 | 0 | 0 | 0 | 1 | 0 | ti | | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.10 | 30% | 106.7 | 19 | |
| | 1630 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.10 | 30% | 106.9 | 19 | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 1715 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.00 | 30% | 106.9 | 19.1 | |
| | 1800 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.10 | 30% | 107.0 | 19.1 | |
| | 1845 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.10 | 30% | 107.0 | 19.1 | |
| 4/25/2010 | 900 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 94% | | | | 3.40 | 30% | 105.7 | 18 | |
| | 1000 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 94% | | | | 3.50 | 30% | 105.8 | 18 | |
| | 1100 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 88% | | | | 3.70 | 25% | 106.0 | 18 | |
| | 1200 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 88% | | | L | 3.90 | 25% | 106.2 | 18 | |
| | 1300 | 0 | 0 | 0 | 0 | 1 | 0 | : | 1 | 0 | 0 | 0 | 0 | 1 | 85% | | | | 3.70 | 30% | 106.3 | 18.2 | |
| | 1400 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 85% | | | | 3.80 | 30% | 106.3 | 18.3 | |
| | 1500 | 0 | 0 | 0 | 0 | 1 | 0 | | 1 | 0 | 0 | 0 | 0 | 1 | 85% | | | | 3.70 | 30% | 106.5 | 18.3 | |
| | 1600 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 90% | | | | 3.80 | 30% | 106.6 | 18.4 | |
| | 1700 | 0 | 0 | 0 | 1 | 1 | 1 | | | 0 | 0 | 0 | 0 | 1 | 80% | | | | 3.30 | 30% | 106.7 | 19.5 | |
| | 1800 | 0 | | 0 | 1 | 1 | 1 | 1: | | 0 | 0 | 0 | 0 | 1 | 80% | | | | 3.30 | 30% | 106.8 | 19.5 | |
| 4/26/2010 | 850 | 0 | 0 | 0 | 1 | 1 | 1 | | | 1 | 1 | 0 | 0 | | 0070 | | 1 | 55% | 3.10 | 30% | 107.0 | 21.5 | |
| 4/20/2010 | | | | | | | | | | | | | | | - | | | | | | | | |
| | 948 | 0 | 0 | 0 | 1 | 1 | 1 | + | | 1 | 1 | 0 | 0 | | + | | 1 | 50% | 3.40 | 30% | 106.8 | 21.5 | |
| | 1047 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | 1 | 1 | 0 | 0 | | | | 1 | 50% | 3.60 | 30% | 107.0 | 22.1 | |
| | 1148 | 0 | 0 | 0 | 1 | 1 | 1 | 4-3 | | 1 | 1 | 0 | 0 | | | | 1 | 57% | 3.60 | 30% | 107.0 | 21.6 | |
| | 1245 | 0 | 0 | 0 | 1 | 1 | 1 | | | 1 | 1 | 0 | 0 | | | | 1 | 57% | 3.90 | 30% | 107.0 | 21.6 | |
| | 1348 | 0 | 0 | 0 | 1 | 1 | 1 | | 1 | 1 | 1 | 0 | 0 | | | L | 1 | 57% | 3.60 | 30% | 107.1 | 21.6 | |
| | 1445 | 0 | 0 | 0 | 1 | 1 | 1 | | | 1 | 1 | 0 | 0 | | | | 1 | 57% | 3.60 | 30% | 107.0 | 21.7 | |
| | 1547 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | 1 | 1 | 0 | 0 | | T | | 1 | 57% | 3.50 | 30% | 106.9 | 21.8 | |
| 4/27/2010 | 930 | 0 | 0 | 0 | 1 | 1 | 1 | | _ | 0 | 0 | 0 | 0 | 1 | 83% | | | | 3.60 | 30% | 106.5 | 19 | |
| ,, | 95 | 0 | 0 | 0 | 1 | 1 | 1 | t | | 0 | 0 | 0 | 0 | 1 | 83% | | | | 3.80 | 30% | 106.6 | 19.5 | |
| | 1055 | 0 | 0 | 0 | 1 | 1 | 1 | | | 0 | 0 | 0 | 0 | 1 | 76% | | | | 3.90 | 30% | 106.6 | 19.8 | |
| | 1150 | 0 | 0 | | 1 | | | | | 0 | 0 | 0 | 0 | | 76% | | | | 4.20 | 30% | 106.7 | 19.8 | |
| —— | | | | 0 | | 1 | 1 | | | | | | | 1 | | | | — | | | | | |
| | 1250 | 0 | 0 | 0 | 1 | 1 | 1 | | | 0 | 0 | 0 | 0 | 1 | 76% | | | | 3.90 | 30% | 106.9 | 19.8 | |
| | 1350 | 0 | 0 | 0 | 0 | 1 | 1 | | | 0 | 0 | 0 | 0 | 1 | 86% | | | | 4.30 | 30% | 106.8 | 19 | |
| | 1450 | 0 | 0 | 0 | 0 | 1 | 1 | (| | 0 | 0 | 0 | 0 | 1 | 87% | | | | 4.50 | 30% | 106.8 | 19 | |
| | 1550 | 0 | 0 | 0 | 0 | 1 | 1 | | | 0 | 0 | 0 | 0 | 1 | 87% | L | | | 4.40 | 30% | 106.8 | 19 | |
| | 1650 | 0 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 0 | 1 | | | | 1 | 48% | 3.40 | 30% | 106.9 | 22.5 | |
| 4/28/2010 | 850 | 0 | 0 | 0 | 1 | 1 | 0 | (| | 0 | 0 | 0 | 0 | 1 | 81% | | | | 3.40 | 30% | 105.8 | 18.5 | |
| | 950 | 0 | 0 | 0 | 1 | 1 | 1 | | | 0 | 0 | 0 | 0 | | 1 | | 1 | 74% | 3.50 | 30% | 106.6 | 21 | |
| | 1050 | 0 | 0 | 0 | 1 | 1 | 1 | | | 1 | 1 | 0 | 0 | | 1 | | 1 | 55% | 3.50 | 30% | 107.0 | 21 | |
| | 1150 | 0 | 0 | 0 | 1 | 1 | 1 | + | | 1 | 1 | 0 | 0 | | + | | 1 | 55% | 3.50 | 30% | 107.0 | 21.5 | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 1250 | 0 | 0 | 0 | 1 | 1 | 1 | | | 1 | 1 | 0 | 0 | | - | | 1 | 55% | 3.60 | 30% | 107.0 | 21.5 | |
| | 1350 | 0 | 0 | 0 | 1 | 1 | 1 | | | 1 | 1 | 0 | 0 | | | | 1 | 55% | 3.50 | 30% | 107.1 | 21.5 | |
| | 1450 | 0 | 0 | 0 | 1 | 1 | 1 | | | 1 | 1 | 0 | 0 | | ļ | | 1 | 55% | 3.40 | 30% | 106.9 | 21.5 | |
| | 1550 | 0 | 0 | 0 | 1 | 1 | 1 | : | | 1 | 1 | 0 | 0 | | 1 | L | 1 | 55% | 3.50 | 30% | 106.9 | 21.5 | |
| | 1630 | 0 | 0 | 0 | 1 | 1 | 1 | | 1 | 1 | 1 | 0 | 0 | | | | 1 | 55% | 3.50 | 30% | 106.9 | 21.5 | |
| 4/29/2010 | 835 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | | 0 | 0 | 0 | 0 | 1 | 90% | | | | 4.30 | 30% | 107.0 | 18.5 | |
| | 940 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 85% | | | I | 4.70 | 30% | 107.1 | 19 | |
| | 1042 | 0 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 94% | | | | 4.40 | 30% | 107.3 | 19 | |
| | 1138 | 0 | 0 | 0 | 0 | 1 | 0 | H | | 0 | 0 | 0 | 0 | 1 | 94% | | | | 4.50 | 30% | 107.3 | 19 | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 1240 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | | 0 | 0 | 0 | 0 | 1 | 94% | | | | 4.60 | 30% | 107.9 | 18.5 | |
| | 1340 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 0 | | ļ | | 1 | 44% | 3.60 | 35% | 107.7 | 23 | |
| | 1438 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 0 | | | | 1 | 44% | 3.50 | 40% | 108.0 | 23 | |
| | 1555 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 | 1 | 1 | 1 | 0 | | | | 1 | 44% | 3.50 | 40% | 107.6 | 23 | |
| | 1625 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 | 1 | 1 | 1 | 0 | | | | 1 | 44% | 3.40 | 40% | 107.6 | 23 | |
| 4/30/2010 | 815 | 0 | 0 | 0 | 0 | 0 | 0 | (| 0 | 1 | 1 | 0 | 1 | | | | 1 | 45% | 3.50 | 26% | 106.2 | 22.5 | |
| | 900 | 0 | 0 | 0 | 0 | 0 | 0 | | | 1 | 1 | 0 | 1 | | T | T | 1 | 45% | 3.60 | 26% | 106.2 | 22.5 | |
| | 955 | 0 | 0 | 0 | 0 | 0 | 0 | - | | 1 | 1 | 0 | 1 | | 1 | | 1 | 45% | 3.60 | 26% | 106.2 | 22.5 | |
| | 1055 | 0 | 0 | 0 | 0 | 0 | 0 | | | 1 | 1 | 0 | 1 | | 1 | | 1 | 45% | 3.60 | 26% | 106.2 | 22.5 | |
| | 1155 | 0 | 0 | 0 | 0 | 0 | 0 | | | 1 | 1 | 0 | 1 | | + | | 1 | 45% | 3.70 | 26% | 106.4 | 23 | |
| | 1255 | | | | | | | | | | | | 0 | | + | | | 45% | 3.40 | 26% | 106.4 | 23 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | H | | | 1 | 0 | _ | | | | 1 | | | | | | |
| | 1355 | 1 | 1 | 1 | 1 | 1 | 1 | 43 | | 1 | 1 | 0 | 0 | | - | | 1 | 45% | 3.30 | 26% | 106.3 | 23 | |
| | 1455 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 0 | 0 | | | | 1 | 45% | 3.40 | 26% | 106.2 | 23 | |
| | 1555 | 1 | 1 | 1 | 1 | 1 | 1 | : | _ | 1 | 1 | 0 | 0 | | | | 1 | 45% | 3.40 | 26% | 106.2 | 23 | |
| 5/1/2010 | 1000 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 56% | 3.80 | 30% | 106.3 | 22.0 | |
| | 1100 | 0 | 1 | 0 | 0 | 1 | 1 | | | 1 | 1 | 0 | 0 | | | | 1 | 56% | 3.90 | 30% | 106.6 | 21.0 | |
| | 1200 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | _ | 1 | 1 | 0 | 0 | | | | 1 | 56% | 3.80 | 30% | 107.1 | 21.5 | |
| | 1300 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | 1 | 1 | 0 | 0 | | I | | 1 | 56% | 3.80 | 30% | 107.1 | 21.5 | |
| | 1400 | 0 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | | 1 | | 1 | 40% | 3.50 | 30% | 106.9 | 23.1 | |
| | 1500 | 0 | 1 | 1 | 1 | 1 | 1 | t | | 1 | 1 | 1 | 1 | | 1 | | 1 | 40% | 3.40 | 30% | 107.0 | 23.5 | |
| | 1600 | 0 | 1 | 1 | 1 | 1 | 1 | t | | 1 | 1 | 1 | 1 | | 1 | | 1 | 40% | 3.50 | 30% | 107.0 | 23.4 | |
| | 1700 | 0 | 1 | 1 | 1 | 1 | 1 | ti | | 1 | 1 | 1 | 1 | | 1 | | 1 | 40% | 3.50 | 30% | 107.0 | 23.4 | |
| | | 0 | | 1 | 1 | 1 | 1 | H | | | 1 | 1 | 1 | | + | | | | | 30% | 107.0 | 23.5 | |
| E /2 /2010 | 1800 | _ | | | | _ | _ | _ | _ | 1 | | | _ | - 1 | 050/ | | 1 | 40% | 3.40 | | | | |
| 5/2/2010 | 900 | 0 | | 0 | 0 | 1 | | | | 0 | 0 | 0 | 0 | 1 | 95% | | | | 4.90 | 20% | 107.0 | 18.0 | |
| | 1000 | 0 | 1 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 95% | | | L | 4.90 | 20% | 107.3 | 18.0 | |
| | 1100 | 0 | 1 | 0 | 0 | 1 | 1 | 13 | | 1 | 1 | 0 | 0 | | | | 1 | 58% | 3.90 | 30% | 107.3 | 22.0 | |
| | 1200 | 0 | 1 | 0 | 0 | 1 | 1 | | | 1 | 1 | 0 | 0 | | 1 | | 1 | 58% | 4.10 | 30% | 107.5 | 22.0 | |
| | 1300 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 58% | 4.00 | 30% | 107.6 | 22.0 | |
| | 1400 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | | | 1 | 47% | 3.70 | 35% | 107.7 | 23.0 | |
| 1 | 1500 | 0 | 1 | 1 | 1 | 1 | 1 | + | | 1 | 1 | 1 | 1 | | 1 | | 1 | 47% | 3.60 | 35% | 107.8 | 23.0 | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | + | | 1 | 1 | 1 | 1 | | T | | 1 | 47% | 3.60 | 35% | 107.5 | 23.0 | |
| | 1600 | | 1 | 1 | 1 | 1 | 1 | t | | 1 | 1 | 1 | 1 | | + | | 1 | 47% | 3.60 | 35% | 107.5 | 23.0 | |
| | 1600 | Α. | 1 1 | | | | | | | | | | | | | | | | | | | | |
| | 1700 | 0 | - 1 | | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | 1 | | 070 | | 1 | 47% | 3.50 | 35% | 107.4 | 23.0 | |
| F 12 122 | 1700 1800 | 0 | 1 | 1 | _ | | | | 0 | 0 | 0 | 0 | 0 | 1 | 97% | | | | 4.70 | 30% | 107.2 | 18.5 | |
| 5/3/2010 | 1700 1800 840 | 0 | 1 | 0 | 0 | 1 | | | | | 0 | 0 | 0 | 1 | 97% | | | <u> </u> | 4.75 | 30% | | | |
| 5/3/2010 | 1700 1800 840 950 | 0 0 | 1 | 0 | 0 | 1 | 0 | | 0 | 0 | | | | | | 1 1 | | 1 | 4.70 | | 107.2 | 18.5 | |
| 5/3/2010 | 1700 1800 840 950 1040 | 0 0 0 | 1 1 1 | 0 0 | 0 | 1 | 0 | (| 0 | 0 | 0 | 0 | 0 | . 1 | 97% | | | | | 30% | 107.2 | 18.5 | |
| 5/3/2010 | 1700 1800 840 950 1040 1140 | 0 0 0 0 | 1 1 1 | 0 0 0 | 0 0 | 1 1 1 | 0 0 | (| 0 | 0 | 0 | 0 | 0 | 1 | 97% | | | | 4.75 | 30% | 107.2 107.5 | 18.5 18.5 | |
| 5/3/2010 | 1700 1800 840 950 1040 | 0 0 0 0 0 | 1 1 1 1 | 0 0 | 0 | 1 | 0 | (| 0 | 0 | 0 | 0 0 0 | | | | | 1 | 48% | | | 107.2 | 18.5 | |
| 5/3/2010 | 1700 1800 840 950 1040 1140 | 0 0 0 0 | 1 1 1 | 0 0 0 | 0 0 | 1 1 1 | 0 0 | (| 0 0 0 0 1 | 0 | 0 | 0 | 0 | | | | 1 1 | 48% 48% | 4.75 | 30% | 107.2 107.5 | 18.5 18.5 | |
| 5/3/2010 | 1700 1800 840 950 1040 1140 1235 1340 | 0 0 0 0 0 1 | 1 1 1 1 1 | 0 0 0 0 1 1 | 0 0 0 1 1 | 1 1 1 1 1 | 0 0 0 1 1 | (| 0 0 0 1 | 0 0 1 | 0 0 1 | 0 0 0 | 0 1 1 | | | | 1 | 48% | 4.75 3.70 3.70 | 30% 30% 30% | 107.2 107.5 108.0 108.0 | 18.5 18.5 23.0 23.0 | |
| 5/3/2010 | 1700 1800 840 950 1040 1140 1235 1340 1435 | 0 0 0 0 0 1 1 | 1 1 1 1 1 1 1 | 0 0 0 0 1 1 | 0 0 0 1 1 1 | 1 1 1 1 1 | 0 0 0 1 1 1 | (| 0 0 0 1 1 | 0 0 1 1 | 0 0 1 1 | 0 0 0 0 | 0 1 1 | | | | 1 | 48% 45% | 4.75 3.70 3.70 3.65 | 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 | 18.5 18.5 23.0 23.0 22.9 | |
| 5/3/2010 | 1700 1800 840 950 1040 1140 1235 1340 1435 | 0 0 0 0 0 1 1 1 | 1 1 1 1 1 1 1 | 0 0 0 0 1 1 1 1 | 0 0 0 1 1 1 | 1 1 1 1 1 1 1 | 0 0 0 1 1 1 | (| 0 0 1 1 1 | 0 0 1 1 1 1 | 0 0 1 1 1 | 0 0 0 0 0 | 0 1 1 1 | | | | 1 1 1 | 48% 45% 45% | 4.75 3.70 3.70 3.65 3.65 | 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 108.2 | 18.5 18.5 23.0 23.0 22.9 22.9 | |
| 5/3/2010 | 1700 1800 840 950 1040 1140 1235 1340 1435 1540 1640 | 0 0 0 0 0 1 1 1 1 | 1 1 1 1 1 1 1 1 1 | 0 0 0 0 1 1 1 1 1 | 0 0 0 1 1 1 1 1 | 1 1 1 1 1 1 1 1 | 0 0 0 1 1 1 1 1 | (| 0 0 0 1 1 1 1 | 0 0 1 1 1 1 1 | 0 0 1 1 1 1 1 | 0 0 0 0 0 0 | 0 1 1 1 1 1 | | | | 1 1 1 | 48% 45% 45% 43% | 4.75 3.70 3.70 3.65 3.65 3.75 | 30% 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 108.2 108.2 | 18.5 18.5 23.0 23.0 22.9 22.9 22.9 23.0 | |
| 5/3/2010 | 1700 1800 840 950 1040 1140 1235 1340 1435 | 0 0 0 0 0 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 | 0 0 0 0 1 1 1 1 1 1 | 0 0 0 1 1 1 | 1 1 1 1 1 1 1 | 0 0 1 1 1 1 1 1 | (| D D D D D D D D D D D D D D D D D D D | 0 0 1 1 1 1 | 0 0 1 1 1 | 0 0 0 0 0 0 0 | 0 1 1 1 | | | | 1 1 1 | 48% 45% 45% | 4.75 3.70 3.70 3.65 3.65 | 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 108.2 108.2 108.2 | 18.5 18.5 23.0 23.0 22.9 22.9 | |
| 5/3/2010 | 1700 1800 840 950 1040 1140 1235 1340 1435 1540 1640 | 0 0 0 0 0 1 1 1 1 | 1 1 1 1 1 1 1 1 1 | 0 0 0 0 1 1 1 1 1 | 0 0 0 1 1 1 1 1 | 1 1 1 1 1 1 1 1 | 0 0 0 1 1 1 1 1 | (| D D D D D D D D D D D D D D D D D D D | 0 0 1 1 1 1 1 | 0 0 1 1 1 1 1 | 0 0 0 0 0 0 | 0 1 1 1 1 1 | | | | 1 1 1 | 48% 45% 45% 43% | 4.75 3.70 3.70 3.65 3.65 3.75 | 30% 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 108.2 108.2 | 18.5 18.5 23.0 23.0 22.9 22.9 22.9 23.0 | |
| | 1700 1800 840 950 1040 1140 1235 1340 1435 1540 1640 1740 | 0 0 0 0 0 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 | 0 0 0 0 1 1 1 1 1 1 1 | 0 0 0 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 | 0 0 0 1 1 1 1 1 1 1 | (| D D D D D D D D D D D D D D D D D D D | 0 0 1 1 1 1 1 1 1 | 0 0 1 1 1 1 1 1 1 | 0 0 0 0 0 0 0 | 0 1 1 1 1 1 1 1 | 1 | 97% | | 1 1 1 1 | 48% 45% 45% 43% 43% | 4.75 3.70 3.70 3.65 3.65 3.75 3.85 3.85 | 30% 30% 30% 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 108.2 108.2 108.2 108.2 | 18.5 18.5 23.0 23.0 22.9 22.9 23.0 23.0 23.0 | |
| 5/3/2010 | 1700 1800 840 950 1040 1140 1235 1340 1435 1540 1640 1740 1820 810 | 0 0 0 0 0 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 0 0 1 1 1 1 1 1 1 1 | 0 0 0 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 | 0 0 1 1 1 1 1 1 1 0 | (| D D D D D D D D D D D D D D D D D D D | 0 0 1 1 1 1 1 1 1 1 | 0 0 1 1 1 1 1 1 1 1 1 | 0 0 0 0 0 0 0 0 | 0 1 1 1 1 1 1 1 1 | 1 | 97% | | 1 1 1 1 | 48% 45% 45% 43% 43% | 4.75 3.70 3.65 3.65 3.65 3.75 3.85 3.85 4.40 | 30% 30% 30% 30% 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 108.2 108.2 108.2 108.2 108.5 | 18.5 18.5 23.0 23.0 22.9 22.9 23.0 23.0 23.0 23.0 | |
| | 1700 1800 840 950 1040 1140 1235 1340 1435 1540 1640 1740 1820 810 | 0 0 0 0 1 1 1 1 1 1 1 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 0 1 1 1 1 1 1 1 0 | 0 0 1 1 1 1 1 1 1 1 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 1 1 1 1 1 1 1 1 1 | | D D D D D D D D D D D D D D D D D D D | 0 0 1 1 1 1 1 1 1 1 0 | 0 1 1 1 1 1 1 1 1 0 | 0 0 0 0 0 0 0 0 0 | 0 1 1 1 1 1 1 1 0 | 1 1 1 | 97% 97% 97% 26% | | 1 1 1 1 | 48% 45% 45% 43% 43% | 4.75 3.70 3.65 3.65 3.75 3.85 3.85 4.40 3.80 | 30% 30% 30% 30% 30% 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 108.0 108.2 108.2 108.2 108.5 107.1 | 18.5 18.5 23.0 22.9 22.9 23.0 23.0 23.0 23.0 23.0 20.0 20.0 | |
| | 1700 1800 840 950 1040 1140 1235 1340 1435 1540 1640 1740 1820 810 855 | 0 0 0 0 1 1 1 1 1 1 1 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 0 1 1 1 1 1 1 1 0 0 | 0 0 1 1 1 1 1 1 1 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 1 1 1 1 1 1 1 1 1 1 1 | | D D D D D D D D D D D D D D D D D D D | 0 0 1 1 1 1 1 1 1 0 0 | 0 0 1 1 1 1 1 1 1 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 1 1 1 1 1 1 1 0 0 | 1 1 1 1 | 97% 97% 26% 26% | | 1 1 1 1 | 48% 45% 45% 43% 43% | 4.75 3.70 3.70 3.65 3.65 3.75 3.85 4.40 3.80 4.40 | 30% 30% 30% 30% 30% 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 108.2 108.2 108.2 108.2 107.1 107.1 | 18.5 18.5 23.0 23.0 22.9 22.9 23.0 23.0 23.0 20.0 20.0 20.0 | |
| | 1700 1800 840 950 1040 1140 1235 1340 1435 1540 1640 1740 1820 810 855 950 1050 | 0 0 0 0 1 1 1 1 1 1 1 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 0 0 1 1 1 1 1 1 1 1 0 0 | 0 0 1 1 1 1 1 1 1 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 | | D D D D D D D D D D D D D D D D D D D | 0 0 1 1 1 1 1 1 1 1 0 0 0 | 0 0 1 1 1 1 1 1 1 0 0 | 0 0 0 0 0 0 0 0 0 0 0 | 0 1 1 1 1 1 1 1 0 0 | 1 1 1 1 1 | 97% 97% 26% 26% 26% | | 1 1 1 1 | 48% 45% 45% 43% 43% | 4.75 3.70 3.70 3.65 3.65 3.75 3.85 4.40 3.80 4.40 | 30% 30% 30% 30% 30% 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.2 108.2 108.2 108.2 107.1 107.1 107.3 107.4 | 18.5 18.5 23.0 23.0 22.9 22.9 22.9 23.0 23.0 23.0 20.0 20.0 20.0 20.0 | |
| | 1700 1800 840 950 1040 1140 1235 1340 1435 1540 1640 1740 1820 810 855 | 0 0 0 0 1 1 1 1 1 1 1 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 0 1 1 1 1 1 1 1 0 0 | 0 0 1 1 1 1 1 1 1 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 0 1 1 1 1 1 1 1 1 1 1 1 | | D D D D D D D D D D D D D D D D D D D | 0 0 1 1 1 1 1 1 1 0 0 | 0 0 1 1 1 1 1 1 1 0 0 | 0 0 0 0 0 0 0 0 0 0 | 0 1 1 1 1 1 1 1 0 0 | 1 1 1 1 | 97% 97% 26% 26% | | 1 1 1 1 | 48% 45% 45% 43% 43% | 4.75 3.70 3.70 3.65 3.65 3.75 3.85 4.40 3.80 4.40 | 30% 30% 30% 30% 30% 30% 30% 30% 30% 30% | 107.2 107.5 108.0 108.0 108.0 108.2 108.2 108.2 108.2 107.1 107.1 | 18.5 18.5 23.0 23.0 22.9 22.9 23.0 23.0 23.0 20.0 20.0 20.0 | |

| | | | | | | | | | | | | | | Conowing | East Lift Attraction | Flow Str | ıdv: 2010 | | | | | |
|---------------|--------------------------------------|-------|-------------|-------------|-------------|-------------|-------|-------------|-------------|--------|------|-----|--------------|----------|----------------------|----------|------------|--------------|-------------------|-------------------------|----------------------|--|
| | | Τ | Sr | nall U | nits | Γ | | \Box | La | rge Ur | nits | | | | Veir Gates | | | Velocity | Crowder Area Gate | Pond Level | Tailrace Level | Comments |
| Date | Time | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Α | % Open | B % Open | С | % Open | (ft/s) | % Open | ft | ft | |
| | 1350 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 38% | 4.00 | 25% | 108.2 | 23.5 | |
| | 1450 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 38% | 3.70 | 30% | 108.1 | 23.5 | |
| | 1550 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 38% | 3.70 | 30% | 108.0 | 23.5 | |
| | 1650 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 38% | 3.70 | 30% | 108.1 | 23.5 | |
| 5/5/2010 | 840 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 85% | | | | 4.60 | 30% | 107.2 | 19.0 | |
| | 942 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 85% | | | | 4.70 | 30% | 107.3 | 19.0 | |
| | 1042 | 0 | 1 | 1 | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 1 | 85% | | | | 4.50 | 30% | 107.8 | 19.0 | |
| | 1146 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | ļ | | 1 | 40% | 3.30 | 30% | 107.9 | 21.0 | |
| | 1300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | 1 | 48% | 3.40 | 35% | 107.8 | 23.0 | |
| | 1357 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | - | | 1 | 48% | 3.50 | 35% | 108.0 | 22.8 | |
| | 1445 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | 1 | 48% | 3.40 | 35% | 107.8 | 23.0 | |
| | 1547 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | 1 | 48% | 3.30 | 35% | 107.8 | 23.0 | |
| 5/6/2010 | 830 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 86% | | | | 4.10 | 30% | 105.9 | 18.0 | |
| | 923 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 86% | | | | 4.00 | 30% | 106.7 | 18.5 | |
| | 1028 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | 1 | 86% | | | | 4.30 | 30% | 107.0 | 19.0 | |
| | 1131 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 86% | | | | 4.50 | 30% | 107.2 | 19.0 | |
| | 1229 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 86% | | | ļ | 4.30 | 30% | 107.6 | 19.0 | |
| | 1332 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 86% | | | 200/ | 4.60 | 30% | 108.0 | 19.0 | |
| | 1435 1532 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | 1 | 38% | 3.70 3.50 | 30% 30% | 108.0 109.0 | 23.0 | |
| | 1630 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | + | | 1 | 38% | 3.70 | 30% | 109.0 | 23.0 | |
| 5/7/2010 | 1000 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 65% | 4.30 | 30% | 106.5 | 21.0 | |
| 3/1/2010 | | | | 0 | 0 | 1 | | | | 0 | | | | | | | | | | | | |
| <u> </u> | 1100 1200 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | + | | 1 | 65% 65% | 4.50 4.30 | 30% 35% | 107.2 107.5 | 21.0 21.0 | |
| | 1300 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | + | | 1 | 65% | 4.40 | 30% | 107.5 | 21.0 | |
| | 1400 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | + | | 1 | 48% | 3.80 | 40% | 107.7 | 23.0 | |
| | 1500 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | 1 | | 1 | 48% | 3.80 | 40% | 107.7 | 23.0 | |
| | 1700 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | 1 | | 1 | 48% | 3.80 | 40% | 107.7 | 23.0 | |
| | 1800 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | 1 | | 1 | 48% | 3.60 | 40% | 107.5 | 23.0 | |
| 5/8/2010 | 815 | 0 | | 0 | 0 | 1 | 0 | | 0 | 0 | 0 | 0 | 1 | 86% | | - | 40/0 | 4.10 | 30% | 107.5 | 19.0 | |
| -,0,2010 | 920 | 0 | 1 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 1 | 86% | | | | 4.40 | 30% | 106.9 | 19.0 | |
| | 1015 | 0 | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 86% | | | T | 4.70 | 30% | 107.0 | 19.0 | |
| | 1055 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 86% | | | T | 4.50 | 30% | 107.5 | 19.0 | |
| | 1130 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | 1 | | 1 | 50% | 4.00 | 30% | 107.0 | 22.0 | |
| | 1230 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | l | 1 | | 1 | 50% | 4.20 | 30% | 107.0 | 22.0 | |
| | 1315 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | T | 1 | | 1 | 50% | 4.00 | 30% | 108.0 | 22.0 | |
| | 1400 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | L | | 1 | 50% | 4.10 | 30% | 108.0 | 22.0 | |
| | 1445 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 50% | 4.00 | 30% | 107.9 | 22.0 | |
| | 1530 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 50% | 4.00 | 30% | 107.9 | 22.0 | |
| | 1630 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 50% | 4.00 | 30% | 107.9 | 22.0 | |
| 5/9/2010 | 845 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 95% | | | | 5.30 | 25% | 107.0 | 18.0 | |
| | 940 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 100% | | | | 5.20 | 25% | 107.2 | 18.0 | |
| | 1050 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 95% | | | | 5.30 | 25% | 107.7 | 18.0 | |
| | 1145 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 60% | 3.80 | 35% | 107.5 | 21.5 | |
| | 1250 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 60% | 4.30 | 35% | 107.1 | 21.5 | |
| | 1410 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | T | | 1 | 60% | 3.90 | 40% | 107.3 | 21.5 | |
| | 1505 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 60% | 3.40 | 40% | 107.6 | 21.5 | |
| | 1600 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 60% | 3.70 | 40% | 106.7 | 21.5 | |
| 5/10/2010 | 945 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | l | | 1 | 65% | 4.00 | 30% | 106.4 | 20.5 | |
| | 1100 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 79% | | | | 3.90 | 30% | 106.3 | 20.0 | |
| | 1155 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 74% | | | | 3.60 | 30% | 106.4 | 20.0 | |
| | 1255 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 74% | | | | 3.90 | 30% | 106.5 | 20.0 | |
| | 1405 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.30 | 30% | 106.5 | 19.0 | |
| | 1510 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.40 | 30% | 106.8 | 19.0 | |
| | 1608 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 1 | 85% | | | | 4.30 | 30% | 107.1 | 19.0 | |
| | 1650 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.60 | 30% | 107.6 | 19.0 | |
| 5/11/2010 | 855 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 50% | 3.20 | 30% | 106.5 | 22.0 | |
| | 955 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | 1 | 50% | 3.50 | 30% | 106.8 | 22.0 | |
| | 1100 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 82% | | | | 4.70 | 30% | 106.5 | 19.0 | |
| | 1155 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 82% | | | | 4.40 | 30% | 107.0 | 19.0 | |
| | 1255 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 82% | | | | 4.40 | 30% | 107.4 | 19.0 | |
| | 1355 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 82% | | | | 4.40 | 30% | 107.4 | 19.0 | |
| | 1453 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 82% | <u> </u> | | | 4.50 | 30% | 107.8 | 19.0 | |
| | 1600 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 82% | | | | 4.30 | 30% | 108.0 | 19.0 | |
| F /4 2 /5 - : | 1655 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 88% | | - | | 4.50 | 30% | 108.4 | 19.0 | |
| 5/12/2010 | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | - | 0000 | | 1 | 55% | 3.80 | 30% | 106.6 | 21.5 | |
| | 1010 | 0 | | 0 | 0 | 1 | 0 | 1 | | 0 | 0 | 0 | 1 | 80% | | | | 4.00 | 30% | 106.4 | 19.5 | <u> </u> |
| | 1105 | 0 | | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | | 1 | 80% | <u> </u> | | | 4.00 | 30% | 106.6 | 19.5 | |
| | 1210 1310 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 80% | | | | 4.50 4.30 | 30% | 106.7 106.8 | 19.4 19.4 | |
| | 1410 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 80% | | | | 4.50 | 30% | 106.8 | 19.4 | |
| | 1510 | 0 | | 0 | 0 | 1 | 0 | | 0 | 0 | 0 | 0 | 1 | 80% | | | | 4.40 | 30% | 107.7 | 19.3 | |
| | 1610 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | | 1 | 87% | | | | 5.00 | 30% | 107.7 | 19.3 | |
| | 1710 | 0 | | 0 | 0 | 1 | 0 | | 0 | 0 | 0 | | 1 | 87% | | | | 4.90 | 30% | 108.3 | 19.3 | |
| 5/13/2010 | | 0 | | 0 | 0 | 1 | 0 | | 0 | 0 | 0 | | 1 | 85% | | | | 3.70 | 30% | 105.7 | 18.5 | 1400: Expected generation |
| , | 923 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.50 | 30% | 105.9 | 19.0 | change. Moved to C gate |
| | 1016 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 85% | | | | 4.50 | 30% | 106.3 | 19.0 | Generation did not change |
| | 1119 | 0 | | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 1 | 90% | | | | 4.70 | 30% | 106.5 | 19.0 | Moved back to A gate |
| | 1220 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 1 | 90% | | | | 4.80 | 30% | 107 | 19.0 | |
| | 1317 | 0 | | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 1 | 94% | | | | 4.90 | 30% | 107.5 | 19.0 | |
| | 1500 | 0 | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | 1 | 94% | | | | 4.90 | 30% | 107.8 | 19.0 | |
| | 1620 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 96% | | | | 5.00 | 30% | 107.8 | 19.0 | |
| 5/14/2010 | 830 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 32% | 3.00 | 30% | 105.8 | 23.5 | |
| | 925 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 32% | 3.10 | 30% | 105.6 | 23.5 | |
| | 1030 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 32% | 2.90 | 30% | 105.4 | 23.5 | |
| | 1125 | 0 | | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | | 1 | 73% | 3.80 | 30% | 105.7 | 20.6 | |
| | 1235 | 0 | | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | ļ | | 1 | 74% | 4.00 | 30% | 105.8 | 20.6 | |
| | 1325 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | - | | 1 | 37% | 3.20 | 30% | 106.1 | 23.3 | |
| | 1435 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 34% | 3.20 | 30% | 105.7 | 23.4 | |
| | 1525 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | | | 1 | 34% | 3.10 | 30% | 105.7 | 23.4 | |
| | 1615 | 1 | | 1 | 1 | 1 | 1 | _ | | 1 | 1 | 1 | | | | 1 | 34% | 3.20 | 30% | 105.8 | 23.4 | |
| | | 0 | | 1 | 1 | 1 | | | | 0 | 0 | | | | | 1 | 60% | 3.70 | 25% | 107.5 | 21.5 | |
| 5/15/2010 | 910 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | ļ | | 1 | 60% | 4.00 | 25% | 107.3 | 21.5 | |
| 5/15/2010 | 1000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | ļ | | 1 | 60% | 3.90 | 25% | 107.4 | 21.5 | |
| 5/15/2010 | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | 1 | | 1 | 55% | 4.00 | 20% | 107.5 | 22.0 | |
| 5/15/2010 | 1050 | | | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | I - | 1 | | 1 | 55% | 4.00 | 20% | 107.4 | 22.0 | 1 |
| 5/15/2010 | 1050 1130 | 0 | | | | | | | | | | | | | | | | | | | | |
| 5/15/2010 | 1050 1130 1220 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 55% | 3.80 | 20% | 107.3 | 22.0 | |
| 5/15/2010 | 1050 1130 1220 1310 | 0 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 55% | 4.20 | 20% | 107.3 107.6 | 22.0 24.0 | |
| 5/15/2010 | 1050 1130 1220 1310 1400 | 0 0 0 | 1 1 1 | 1 1 1 | 1 1 1 | 1 1 1 | 1 1 1 | 1 1 1 | 1 1 1 | 0 0 | 0 0 | 0 0 | | | | 1 | 55% 28% | 4.20 3.50 | 20% 27% | 107.3 107.6 107.6 | 22.0 24.0 24.0 | |
| 5/15/2010 | 1050 1130 1220 1310 | 0 0 | 1 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | 1 | 55% | 4.20 | 20% | 107.3 107.6 | 22.0 24.0 | |

| | | | | | | | | | | | | | | | Conowing | East Lift Attraction | Flow Str | ıdv: 2010 | | | | | |
|------------|--|---|---|---|--|---|---|---|--|-------|--|---|---|-------------------|---|----------------------|--|--|---|--|--|--|----------|
| | | Τ. | Sn | nall Un | its | | П | Τ- | T | Large | Unit | s | | | | Weir Gates | , vv 311 | .3,. 2010 | Velocity | Crowder Area Gate | Pond Level | Tailrace Level | Comments |
| Date | Time | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | 11 | Α | % Open | B % Open | С | % Open | (ft/s) | % Open | ft | ft | |
| 5/16/2010 | 915 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 0 | 0 | 0 | | 1 | | 1 | 60% | 3.60 | 30% | 106.6 | 21.5 | |
| | 1000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 60% | 4.10 | 30% | 106.5 | 21.5 | |
| | 1100 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 60% | 3.90 | 30% | 106.5 | 21.5 | |
| | 1215 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 65% | 4.00 | 30% | 106.6 | 21.5 | |
| | 1315 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 0 | 0 | 0 | | | | 1 | 65% | 4.20 | 40% | 106.7 | 21.5 | |
| | 1415 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 65% | 3.90 | 40% | 106.7 | 21.3 | |
| | 1515 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 65% | 3.90 | 40% | 106.9 | 21.4 | |
| | 1615 | 0 | | 1 | 1 | 1 | 1 | | | | | 0 | 0 | | 1 | | 1 | 65% | 4.00 | 40% | 107.2 | 21.4 | |
| 5/17/2010 | 910 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 56% | 3.70 | 30% | 106.8 | 22.0 | |
| .,, | 1005 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 0 | | l | | 1 | 57% | 4.20 | 30% | 107.0 | 22.0 | |
| | 1130 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | · · · · · | | 1 | 42% | 3.50 | 25% | 107.1 | 23.0 | |
| | 1225 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | + | | 1 | 42% | 3.50 | 25% | 107.2 | 23.0 | |
| | 1325 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | 1 | 42% | 3.50 | 25% | 107.0 | 23.5 | |
| | 1405 | 0 | | 1 | | 1 | | | | | | 1 | 1 | | | | 1 | 42% | 3.60 | 25% | 106.9 | 23.5 | |
| | | | 1 | | 1 | | 1 | 1 | | | | | | | | | | | | | | | |
| | 1035 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | 1 | 42% | 3.50 | 25% | 106.9 | 23.5 | |
| | 1530 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | 1 | 42% | 3.50 | 25% | 106.7 | 23.5 | |
| | 1610 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | 1 | 42% | 3.50 | 25% | 106.5 | 23.5 | |
| | 1740 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | _ | | 1 | 1 | | | | 1 | 42% | 3.40 | 25% | 106.5 | 23.5 | |
| 5/18/2010 | 830 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 1 | 85% | | | | 4.30 | 30% | 106.0 | 19.0 | |
| | 930 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | 0 | 0 | 1 | 80% | | | <u> </u> | 4.10 | 30% | 106.1 | 19.0 | |
| | 1030 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 88% | | | | 4.10 | 30% | 106.7 | 19.0 | |
| | 1130 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 1 | 95% | | | | 4.60 | 30% | 107.0 | 19.0 | |
| | 1230 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 1 | 95% | | | | 4.70 | 30% | 107.8 | 19.5 | |
| | 1330 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | T | | 1 | 39% | 3.60 | 30% | 107.8 | 23.0 | |
| | 1430 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | T | | 1 | 39% | 3.50 | 30% | 107.6 | 23.4 | |
| | 1520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | 1 | | 1 | 39% | 3.60 | 30% | 107.1 | 23.5 | |
| | 1520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | 1 | 39% | 3.60 | 30% | 107.1 | 23.5 | |
| /19/2010 | 925 | 0 | | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | 1 | 78% | | | 3370 | 3.55 | 30% | 106.0 | 18.5 | |
| ,, 13,2010 | 1030 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | 1 | 78% | | | | 4.00 | 30% | 105.9 | 19.5 | |
| | | | | | | | | | | | | | _ | | | | | | | | | | |
| | 1130 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | 1 | 78% | | | | 4.00 | 30% | 106.3 | 19.8 | |
| | 1230 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | 1 | 83% | | | 4001 | 4.40 | 30% | 106.4 | 19.6 | |
| | 1330 | 0 | 1 | 1 | 1_ | 1 | 1 | 1 | | | | 0 | 1 | | | | 1 | 48% | 3.80 | 30% | 106.8 | 22.8 | |
| | 1430 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 1 | | - | | 1 | 48% | 3.80 | 30% | 106.8 | 22.8 | |
| | 1530 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 1 | | | ļ | 1 | 48% | 3.80 | 30% | 106.5 | 22.8 | |
| | 1630 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | _ | _ | | 0 | 1 | | | | 1 | 48% | 3.80 | 30% | 106.5 | 22.8 | |
| /20/2010 | 900 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 55% | 4.00 | 26% | 107.2 | 22.0 | |
| | 1005 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 55% | 3.80 | 26% | 107.2 | 22.0 | |
| | 1100 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | _[| 1 | 0 | 0 | | | | 1 | 55% | 3.70 | 26% | 107.2 | 22.0 | |
| | 1155 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 55% | 3.80 | 26% | 107.1 | 22.0 | |
| | 1300 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 1 | | T | | 1 | 48% | 3.90 | 30% | 107.1 | 23.0 | |
| | 1400 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 1 | | | | 1 | 38% | 3.80 | 30% | 107.0 | 23.0 | |
| | 1500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 1 | | | | 1 | 38% | 3.80 | 30% | 106.5 | 22.5 | |
| | 1600 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 0 | 1 | | - | | 1 | 50% | 3.70 | 30% | 107.1 | 19.5 | |
| | 1630 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | | | | 0 | 0 | 1 | 91% | | | 3070 | 4.30 | 30% | 107.1 | 19.5 | |
| | 1730 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | | | | 0 | 0 | 1 | 91% | | | | 4.50 | 30% | 107.3 | 19.0 | |
| | 1800 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | | | | 0 | 0 | | 91% | | | | 4.50 | 30% | 107.3 | 19.0 | |
| 104 10040 | | _ | | | | | | | | | | | _ | 1 | | | | | | | | | |
| /21/2010 | 848 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | | | | 0 | 0 | 1 | 92% | | | | 4.90 | 25% | 108.0 | 19.0 | |
| | 955 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 60% | 4.30 | 30% | 108.2 | 22.0 | |
| | 1055 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 60% | 4.50 | 30% | 108.0 | 22.0 | |
| | 1155 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 60% | 4.60 | 30% | 108.3 | 22.0 | |
| | 1313 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | ļ | | 1 | 60% | 4.50 | 30% | 108.4 | 22.0 | |
| | 1415 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | <u> </u> | | 1 | 38% | 3.30 | 35% | 108.5 | 23.5 | |
| | 1520 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | l | | 1 | 38% | 3.40 | 35% | 108.4 | 23.5 | |
| | 1610 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Т | 1 | 1 | 1 | | | | 1 | 38% | 3.40 | 35% | 108.0 | 23.5 | |
| /22/2010 | 900 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 1 | 92% | | | | 4.80 | 24% | 106.6 | 21.0 | |
| | 1000 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 1 | 92% | | | | 4.70 | 24% | 107.0 | 19.0 | |
| | 1100 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | | | | 0 | 0 | 1 | 92% | | | | 4.90 | 24% | 107.1 | 21.0 | |
| | 1200 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | | | | 0 | 0 | 1 | 92% | | | | 5.00 | 24% | 107.3 | 22.5 | |
| | 1300 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | | | 0 | 0 | - | 1 | | 1 | 55% | 4.30 | 35% | 106.5 | 22.5 | |
| | 1400 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | | | 0 | 0 | | | | 1 | 55% | 4.40 | 35% | 107.5 | 22.5 | |
| | 1500 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | | | 0 | 0 | | | | 1 | 55% | 4.40 | 35% | 107.4 | 22.5 | |
| /23/2010 | | | | 0 | | | 0 | | | | | 0 | 0 | 1 | 100% | | 1 | 33/0 | | 20% | 107.4 | 18.3 | |
| 5/23/2010 | 845 | 0 | 1 | | 0 | 1 | | 0 | | | | | | 1 | 100% | | | | 5.70 | | | | |
| | 945 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | | | | 0 | 0 | 1 | 100% | | | 650 | 5.60 | 20% | 107.4 | 18.5 | |
| | 1045 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 65% | 4.20 | 35% | 107.4 | 21.7 | |
| | 1145 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 60% | 4.40 | 35% | 107.6 | 21.7 | |
| | 1245 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | - | | 1 | 60% | 4.70 | 35% | 107.4 | 22.0 | |
| | 1345 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | ļ | | 1 | 60% | 4.10 | 30% | 107.3 | 21.8 | |
| | 1445 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | L | | 1 | 70% | 4.40 | 35% | 107.4 | 21.1 | |
| | 1545 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | ļ.,, | | 1 | 70% | 4.50 | 35% | 107.3 | 21.2 | |
| | 1645 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | | | | 0 | 0 | | | | 1 | 70% | 4.40 | 35% | 107.3 | 21.2 | |
| /24/2010 | 835 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 1 | 100% | | | | 5.50 | 20% | 108.0 | 18.5 | |
| | 935 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | | | | 0 | 0 | 1 | 100% | | | | 5.60 | 20% | 108.0 | 18.5 | |
| | 1035 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | | | | 0 | 0 | 1 | 100% | | | | 5.50 | 20% | 108.2 | 18.5 | |
| | | 0 | 1 | 0 | 0 | 1 | 0 | 0 | | | | 0 | 0 | 1 | 100% | | | | 5.40 | 20% | 108.8 | 18.5 | |
| | 1150 | | | | 1 | 1 | 1 | 1 | | | | 0 | 1 | | T | | 1 | 48% | 4.40 | 40% | 108.8 | 23.1 | |
| | 1150 1235 | 0 | 1 | 1 | | | | | | | | | 1 | | T | | 1 | 48% | | | | 23.1 | |
| | 1235 | 0 | | | 1 | 1 | 1 | 1 | 1 | _ | | 0 | | | - | | | | 4.60 | 40% | 108.9 | | |
| | 1235 1335 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 0 | | | | | | | 4.60 | 40% 40% | 108.9 | | |
| | 1235 1335 1430 | 0 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 0 | 1 | | | | 1 | 55% | 4.60 | 40% | 108.6 | 23.0 | |
| /25/2010 | 1235 1335 1430 1535 | 0 0 0 | 1 1 1 | 1 1 1 | 1 | 1 | 1 | 1 | 1 | | 1 1 1 | 0 | 1 | 1 | 1000/ | | | | 4.60 4.50 | 40% 40% | 108.6 108.4 | 23.0 23.0 | |
| /25/2010 | 1235 1335 1430 1535 855 | 0 0 0 0 | 1 1 1 | 1 1 1 | 1 1 0 | 1 1 1 | 1 1 1 | 1 1 | 1 0 | | 1 1 1 0 | 0 0 | 1 1 0 | 1 | 100% | | 1 | 55% | 4.60 4.50 5.40 | 40% 40% 20% | 108.6 108.4 108.2 | 23.0 23.0 19.5 | |
| /25/2010 | 1235 1335 1430 1535 855 955 | 0 0 0 0 | 1 1 1 1 | 1 1 1 0 | 1 1 0 | 1 1 1 | 1 1 1 | 1 1 1 | 1 1 0 | | 1 1 1 0 | 0 0 0 | 1 1 0 | 1 | 100% | | 1 | 55% | 4.60 4.50 5.40 5.40 | 40% 40% 20% 20% | 108.6 108.4 108.2 108.4 | 23.0 23.0 19.5 19.5 | |
| /25/2010 | 1235 1335 1430 1535 855 955 1055 | 0 0 0 0 0 | 1 1 1 1 1 1 | 1 1 1 0 0 | 1 1 0 0 | 1 1 1 1 | 1 1 1 1 | 1 1 1 1 | 1 1 0 0 | | 1 1 1 0 0 | 0 0 0 0 0 | 1 0 0 | 1 | 100% 100% | | 1 | 55% | 4.60 4.50 5.40 5.40 5.20 | 40% 40% 20% 20% 20% | 108.6 108.4 108.2 108.4 108.7 | 23.0 23.0 19.5 19.5 19.5 | |
| /25/2010 | 1235 1335 1430 1535 855 955 1055 1155 | 0 0 0 0 0 0 | 1 1 1 1 1 1 1 | 1 1 0 0 0 | 1 0 0 0 | 1 1 1 1 1 | 1 1 1 1 1 | 1 1 1 1 1 | 1 1 0 0 0 | | 1 1 1 0 0 0 | 0 0 0 0 0 0 | 1 0 0 0 0 | 1 | 100% | | 1 | 55% 55% | 4.60 4.50 5.40 5.40 5.20 5.00 | 40% 40% 20% 20% 20% 20% | 108.6 108.4 108.2 108.4 108.7 108.7 | 23.0 23.0 19.5 19.5 19.5 19.5 | |
| /25/2010 | 1235 1335 1430 1535 855 955 1055 1155 1255 | 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 | 1 0 0 0 0 | 1 1 1 1 1 1 1 | 1 1 1 1 1 1 | 1 1 1 1 1 1 | 1 0 0 0 0 0 | | 1 1 1 0 0 0 0 0 | 0 0 0 0 0 0 | 1 0 0 0 0 1 | 1 | 100% 100% | | 1 1 | 55% 55% 48% | 4.60 4.50 5.40 5.20 5.00 4.00 | 40% 40% 20% 20% 20% 20% 20% 30% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 | |
| /25/2010 | 1235 1335 1430 1535 855 955 1055 1155 | 0 0 0 0 0 0 | 1 1 1 1 1 1 1 | 1 1 0 0 0 | 1 0 0 0 | 1 1 1 1 1 | 1 1 1 1 1 | 1 1 1 1 1 | 1 0 0 0 0 0 | | 1 1 1 0 0 0 0 0 1 | 0 0 0 0 0 0 0 | 1 0 0 0 0 | 1 | 100% 100% | | 1 | 55% 55% | 4.60 4.50 5.40 5.40 5.20 5.00 | 40% 40% 20% 20% 20% 20% | 108.6 108.4 108.2 108.4 108.7 108.7 | 23.0 23.0 19.5 19.5 19.5 19.5 | |
| /25/2010 | 1235 1335 1430 1535 855 955 1055 1155 1255 | 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 | 1 0 0 0 0 | 1 1 1 1 1 1 1 | 1 1 1 1 1 1 | 1 1 1 1 1 1 | 1 1 0 0 0 0 0 1 1 | | 1 1 1 0 0 0 0 0 1 | 0 0 0 0 0 0 | 1 0 0 0 0 1 | 1 | 100% 100% | | 1 1 | 55% 55% 48% | 4.60 4.50 5.40 5.20 5.00 4.00 | 40% 40% 20% 20% 20% 20% 30% 35% 35% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 | |
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| | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1555 826 | 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 | 1 0 0 0 0 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 0 | 1 1 1 1 1 1 1 1 1 0 | 1 1 0 0 0 0 0 1 1 1 1 | | 1 1 1 0 0 0 0 0 1 1 1 1 | 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 | 1 | 100% 100% | | 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% | 4.60 4.50 5.40 5.20 5.00 4.00 4.40 4.50 4.80 | 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 29% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 108.8 108.7 108.7 107.6 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 | |
| | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1555 826 955 | 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 0 | 1 0 0 0 0 1 1 1 1 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 | 1 0 0 0 0 0 1 1 1 1 1 0 | | 1 1 1 0 0 0 0 0 1 1 1 1 1 0 | 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 0 | 1 1 1 | 100% 100% 100% | | 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 70% | 4.60 4.50 5.40 5.20 5.00 4.00 4.40 4.50 4.80 4.60 | 40% 40% 20% 20% 20% 20% 20% 30% 35% 35% 35% 35% 35% 30% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 108.8 108.7 108.7 107.6 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 | |
| | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1455 826 955 1105 | 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 0 0 | 1 0 0 0 0 1 1 1 1 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 0 0 0 0 1 1 1 1 1 1 1 | | 1 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 0 0 | 1 1 1 | 100% 100% 100% | | 1 1 1 1 1 1 1 | 55% 55% 55% 48% 55% 55% 55% 70% 65% | 4.60 4.50 5.40 5.20 5.00 4.00 4.40 4.50 4.60 4.40 4.50 | 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 29% 30% 30% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 108.8 108.7 108.7 107.6 107.9 | 23.0 23.0 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 | |
| | 1235 1335 1430 1535 855 1055 1155 1255 1355 1455 1555 826 955 1105 1202 | 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 0 0 | 1 0 0 0 0 1 1 1 1 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 0 0 0 0 0 1 1 1 1 1 1 1 1 1 | | 1 | 0 0 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 0 0 | 1 1 1 | 100% 100% 100% | | 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 70% 65% 65% | 4.60 4.50 5.40 5.20 5.00 4.00 4.40 4.50 4.60 4.60 | 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 35% 30% 30% 30% 30% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 108.8 108.7 107.6 107.9 107.9 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 19.0 21.0 | |
| | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1555 826 955 1105 1105 | 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 | 100% 100% 100% | | 1 1 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 65% 65% 55% | 4.60 4.50 5.40 5.40 5.00 4.00 4.40 4.50 4.80 4.60 4.40 4.50 4.40 | 40% 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 35% 30% 30% 30% 30% 32% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 108.8 108.7 107.6 107.9 107.9 107.6 107.6 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 19.0 22.0 | |
| | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1555 826 955 1100 1202 1310 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11 11 10 00 00 00 11 11 11 11 11 11 11 1 | | 1 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0 | 1 1 1 | 100% 100% 100% | | 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 70% 65% 65% 55% | 4.60 4.50 5.40 5.20 5.00 4.00 4.40 4.50 4.60 4.60 4.00 | 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 29% 30% 30% 30% 30% 30% 30% 30% 30% 30% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 108.8 108.7 107.6 107.9 107.6 107.9 107.6 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 19.0 21.0 22.0 22.5 | |
| | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1555 826 955 1105 1105 | 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11 11 10 00 00 00 11 11 11 11 11 11 11 1 | | 1 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 | 100% 100% 100% | | 1 1 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 65% 65% 55% | 4.60 4.50 5.40 5.40 5.00 4.00 4.40 4.50 4.80 4.60 4.40 4.50 4.40 | 40% 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 35% 30% 30% 30% 30% 32% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 108.8 108.7 107.6 107.9 107.9 107.6 107.6 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 19.0 22.0 | |
| | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1555 826 955 1100 1202 1310 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11 10 00 00 00 11 11 11 11 11 11 11 11 1 | | 1 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0 | 1 1 1 | 100% 100% 100% | | 1 1 1 1 1 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 70% 65% 65% 55% | 4.60 4.50 5.40 5.20 5.00 4.00 4.40 4.50 4.60 4.60 4.00 | 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 29% 30% 30% 30% 30% 30% 30% 30% 30% 30% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 108.8 108.7 107.6 107.9 107.6 107.9 107.6 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 19.0 21.0 22.0 22.5 | |
| /26/2010 | 1235 1335 1430 1535 855 955 1055 1255 1255 1355 1455 1555 826 105 1202 1310 1418 1513 1607 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 1 | 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11 11 00 00 00 11 11 11 11 11 11 11 11 1 | | 1 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1 1 1 1 | 1 1 1 | 100% 100% 100% 100% | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 65% 65% 55% 55% | 4.60 4.50 5.40 5.20 5.00 4.00 4.50 4.80 4.60 4.60 4.00 4.00 4.00 4.00 | 40% 40% 40% 20% 20% 20% 20% 20% 30% 35% 35% 35% 35% 35% 36% 36% 36% 36% | 108.6 108.4 108.2 108.4 108.7 108.7 109.1 108.8 108.7 107.6 107.9 107.9 107.6 107.2 107.2 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 21.0 22.0 22.5 22.9 23.5 | |
| /26/2010 | 1235 1335 1430 1535 855 955 1055 1255 1355 1455 1555 826 955 1105 1202 1310 1418 1513 1607 830 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 1 | 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11 11 00 00 00 00 11 11 11 11 11 11 11 1 | | 1 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1 1 1 1 | 1 1 1 | 100% 100% 100% 100% | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 65% 65% 55% 55% | 4.60 4.50 5.40 5.20 5.00 4.00 4.50 4.80 4.60 4.40 4.50 4.60 4.00 4.00 4.30 4.30 4.30 4.30 4.30 4.3 | 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 35% 35% 35% 36% 30% 30% | 108.6 108.4 108.2 108.2 108.7 108.7 109.1 108.8 108.7 107.6 107.9 107.6 107.9 107.6 107.2 107.2 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 19.0 19.0 19.0 21.0 22.0 22.0 22.5 22.5 23.5 | |
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| /26/2010 | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1555 826 955 1105 1202 1310 1418 1513 1607 830 930 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 0 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11 11 10 00 00 00 11 11 11 11 11 11 11 1 | | 1 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1 1 1 1 | 1 1 1 1 1 1 | 100% 100% 100% 86% 100% 100% | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 65% 65% 55% 55% | 4.60 4.50 5.40 5.40 5.20 5.20 4.00 4.40 4.50 4.60 4.60 4.00 4.00 4.30 3.70 3.90 5.50 | 40% 40% 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 35% 35% 35% 36% 30% 30% 30% 30% 30% 30% | 108.6 108.4 108.2 108.2 108.7 108.7 109.1 108.8 108.7 107.9 107.9 107.2 107.2 107.1 106.8 106.8 106.8 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 21.0 22.0 22.5 22.5 22.9 23.5 18.0 | |
| /26/2010 | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1555 1955 1105 1202 1310 1418 1513 1607 830 930 1030 1130 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 0 1 1 1 1 1 1 0 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11 11 11 11 11 11 11 11 11 11 11 11 11 | | 11 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 | 100% 100% 100% 86% 100% 100% 100% | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 65% 65% 55% 55% | 4.60 4.50 5.40 5.40 5.20 5.00 4.40 4.50 4.60 4.60 4.60 4.00 4.30 5.60 5.60 5.60 5.60 5.60 5.80 | 40% 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 35% 35% 35% 36% 36% 30% 30% 30% 30% 30% 30% 30% 30% 30% | 108.6 108.4 108.2 108.4 108.7 109.1 108.7 109.1 107.9 107.9 107.6 107.2 107.2 107.2 107.1 106.8 106.8 106.7 | 23.0 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 21.0 22.0 22.0 22.5 22.9 23.5 18.0 18.2 18.5 | |
| /26/2010 | 1235 1335 1430 1535 855 955 1055 1155 1255 1355 1455 1555 826 955 1105 1202 1310 1418 1513 1607 830 930 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 0 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 | 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 11 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1 1 1 1 | 1 1 1 1 1 1 | 100% 100% 100% 86% 100% 100% | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 55% 55% 48% 55% 55% 55% 65% 65% 55% 55% | 4.60 4.50 5.40 5.40 5.20 5.20 4.00 4.40 4.50 4.60 4.60 4.00 4.00 4.30 3.70 3.90 5.50 | 40% 40% 40% 40% 20% 20% 20% 20% 30% 35% 35% 35% 35% 35% 35% 36% 30% 30% 30% 30% 30% 30% | 108.6 108.4 108.2 108.2 108.7 108.7 109.1 108.8 108.7 107.9 107.9 107.2 107.2 107.1 106.8 106.8 106.8 | 23.0 23.0 19.5 19.5 19.5 19.5 23.1 22.9 23.0 23.0 19.0 19.0 21.0 22.0 22.5 22.5 22.9 23.5 18.0 | |

| | | | | | | | | | | | | | | | | Foot Life | Attraction | Flour Chi | d 2010 | | | | | |
|-----------|--------------|---|----|--------|------|---|---|---|---|-----|-------|-----|----|----------|--------------|-------------|--|-----------|------------|--------------|-------------------|----------------|----------------|----------|
| | | | Sr | nall U | nits | т | Т | | 1 | Lan | ge Un | its | | | | Neir Gate | Attraction | Flow Stu | udy: 2010 | Velocity | Crowder Area Gate | Pond Level | Tailrace Level | Comments |
| Date | Time | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 8 | 9 | 10 | 11 | A | % Open | В | % Open | С | % Open | (ft/s) | % Open | ft | ft | |
| | 1530 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 42% | 3.90 | 30% | 108.6 | 23.5 | |
| | 1630 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 42% | 3.50 | 30% | 108.4 | 23.5 | |
| 5/28/2010 | 910 | 0 | 1 | 0 | 0 | 1 | 0 | C |) | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 5.40 | 20% | 107.5 | 18.6 | |
| | 1010 | 0 | 1 | 0 | 0 | | | | _ | 0 | 0 | 0 | 0 | 1 | 100% | | <u> </u> | | | 5.20 | 20% | 107.9 | 18.6 | |
| | 1150 | 0 | 1 | | 0 | 1 | | | | 1 | 0 | 0 | 0 | | ļ | | ļ | 1 | 74% | 5.40 | 30% | 108.0 | 21.1 | |
| | 1250 | 0 | 1 | 0 | 0 | | 1 | | | 1 | 0 | 0 | 0 | | | | ļ | 1 | 74% | 5.00 | 30% | 108.0 | 21.1 | |
| | 1350 | 0 | 1 | 0 | 0 | 1 | | | | 1 | 0 | 0 | 0 | | | | ļ | 1 | 80% | 5.10 | 30% | 108.0 | 20.8 | |
| | 1455 | 0 | 1 | 1 | 1 | 1 | 1 | | | 1 | 0 | 0 | 0 | | | | <u> </u> | 1 | 80% 60% | 5.00 | 30% | 108.2 | 20.8 | |
| 5/29/2010 | 900 | 0 | 1 | 0 | 0 | | 0 | _ | _ | 0 | 0 | 0 | 0 | 1 | 100% | | | 1 | 60% | 4.60 5.20 | 30% | 108.1 | 19.0 | |
| 5/29/2010 | 1000 | | 1 | | 0 | | | | | 0 | | 0 | 0 | 1 | 85% | | | | - | 4.60 | 30% | 108.1 | 19.0 | |
| | 1100 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 85% | | <u> </u> | | <u> </u> | 4.60 | 31% | 108.3 | 19.0 | |
| | 1200 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 85% | | | | | 4.60 | 30% | 108.6 | 19.0 | |
| | 1300 | 0 | 1 | 0 | 0 | 1 | | | | 1 | 0 | 0 | 0 | | 0570 | | | 1 | 80% | 4.10 | 30% | 108.8 | 19.0 | |
| | 1400 | 0 | 1 | 0 | 0 | 1 | 1 | | | 1 | 0 | 0 | 0 | | t | | † | 1 | 80% | 4.10 | 30% | 108.8 | 20.5 | |
| | 1500 | 0 | 1 | 0 | 0 | 1 | 1 | | | 1 | 0 | 0 | 0 | | | | | 1 | 80% | 4.10 | 30% | 108.8 | 20.5 | |
| | 1600 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | | | | | 1 | 70% | 4.30 | 30% | 108.8 | 21.5 | |
| 5/30/2010 | 900 | 0 | 1 | 0 | 0 | | _ | _ | _ | 0 | 0 | 0 | | 1 | 100% | | | | | 5.40 | 20% | 107.5 | 18.3 | |
| | 1000 | 0 | 1 | 0 | 0 | 1 | 0 | C |) | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 5.20 | 20% | 107.7 | 18.3 | |
| | 1100 | 0 | 1 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 5.20 | 20% | 108.0 | 18.3 | |
| | 1200 | 0 | 1 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 5.20 | 20% | 108.0 | 18.3 | |
| | 1300 | 0 | 1 | 0 | 0 | 1 | | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 5.20 | 20% | 108.3 | 18.3 | |
| | 1400 | 0 | 1 | 0 | 0 | 1 | | | | 0 | 0 | 0 | 0 | 1 | 100% | | L | | | 5.20 | 20% | 108.7 | 18.3 | |
| | 1500 | 0 | 1 | 0 | 0 | | 1 | | | 1 | 1 | 0 | 1 | | | | | 1 | 60% | 4.30 | 30% | 108.6 | 22.5 | |
| - 4 7 | 1600 | 0 | 1 | 0 | 0 | 1 | 1 | _ | _ | 1 | 1 | 0 | 1 | | | | | 1 | 60% | 4.30 | 30% | 108.6 | 22.5 | |
| 5/31/2010 | 830 | 0 | | 0 | 0 | | | | | 0 | 0 | 0 | | 1 | 100% | | | | - | 5.20 | 20% | 107.4 | 17.8 | |
| | 930 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 100% | | - | | - | 5.00 | 20% | 107.4 | 17.8 | |
| | 1030 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 5.10 | 20% | 107.5 | 17.8 | |
| | 1130 | 0 | 1 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | 1 | | - | 5.10 | 20% | 107.7 | 17.8 | |
| | 1230 1330 | 0 | 1 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | <u> </u> | | + | 5.20 5.10 | 20% | 107.8 108.0 | 17.8 17.8 | |
| | 1430 | 0 | 1 | 0 | 0 | | 1 | | | 1 | 0 | 0 | 0 | 1 | 100% | | | 1 | 75% | 4.10 | 20% | 108.0 | 20.6 | |
| | 1530 | 0 | 1 | 0 | 0 | | | | | 1 | 0 | 0 | | | | | | 1 | 75% | 4.10 | 20% | 108.5 | 20.6 | |
| 6/1/2010 | 930 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | | 1 | 100% | | | - | 7370 | 4.80 | 20% | 107.3 | 17.8 | |
| 0/1/2010 | 1030 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 100% | | + | | | 4.90 | 20% | 107.5 | 17.8 | |
| | 1130 | 0 | 1 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | 1 | | | 4.90 | 20% | 107.8 | 17.8 | |
| | 1230 | 0 | 1 | 0 | 0 | 1 | | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | 1 | 4.80 | 20% | 108.0 | 17.8 | |
| | 1330 | 0 | 1 | 1 | 0 | 1 | 1 | | | 1 | 1 | 0 | 1 | | | | | 1 | 45% | 4.00 | 33% | 108.0 | 22.7 | |
| | 1430 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | | 1 | 45% | 3.40 | 33% | 108.0 | 23.0 | |
| | 1545 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | | | 1 | 45% | 3.90 | 33% | 107.6 | 23.0 | |
| 6/2/2010 | 840 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 4.60 | 20% | 106.8 | 18.5 | |
| | 940 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 3.90 | 20% | 106.8 | 18.5 | |
| | 1040 | 0 | 1 | 0 | 0 | | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | <u> </u> | | | 4.60 | 20% | 107.0 | 18.0 | |
| | 1140 | 0 | 1 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 4.55 | 20% | 107.5 | 18.0 | |
| | 1240 | 0 | 1 | 0 | 0 | 1 | 1 | | | 1 | 1 | 0 | 0 | | | | - | 1 | 60% | 4.25 | 19% | 107.5 | 19.0 | |
| | 1340 | 0 | 1 | 0 | 0 | 1 | 1 | | | 1 | 1 | 0 | 0 | | | | + | 1 | 60% | 4.30 | 20% | 108.0 | 22.5 | |
| | 1440 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 0 | 1 | | | | | 1 | 45% | 3.90 | | 107.6 | 23.0 | |
| 6/3/2010 | 1540 835 | 0 | 1 | 1 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | 1 | 1 | 45% | 3.85 4.20 | 30% 19% | 107.6 106.4 | 23.0 18.0 | |
| 0/3/2010 | 935 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 100% | | 1 | | - | 4.20 | 20% | 105.4 | 18.0 | |
| | 1035 | 0 | 1 | 0 | 0 | | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | 1 | | | 4.60 | 20% | 106.6 | 18.0 | |
| | 1135 | 0 | 1 | 0 | 0 | 1 | | | | 0 | 0 | 0 | 0 | 1 | 100% | | + | | + | 4.60 | 20% | 106.8 | 18.0 | |
| | 1235 | 0 | 0 | 0 | 1 | 1 | | | | 1 | 1 | 0 | 1 | | 1 | | 1 | 1 | 55% | 4.25 | 30% | 106.8 | 22.5 | |
| | 1335 | 0 | 0 | 0 | 1 | 1 | 1 | | | 1 | 1 | 0 | 1 | | | | | 1 | 55% | 4.35 | 30% | 107.3 | 22.5 | |
| | 1440 | 0 | 0 | 0 | 1 | 1 | 1 | | | 1 | 1 | 0 | 1 | | | | | 1 | 55% | 4.30 | 30% | 107.3 | 22.5 | |
| | 1535 | 0 | 0 | 0 | 1 | | | | | 1 | 1 | 0 | | | | | | 1 | 55% | 4.30 | 30% | 107.3 | 22.5 | |
| 6/4/2010 | 830 | 0 | 0 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 4.20 | 25% | 106.7 | 17.5 | |
| | 930 | 0 | 0 | 0 | 0 | 1 | | C |) | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 4.30 | 25% | 106.6 | 17.5 | |
| | 1030 | 0 | 0 | 0 | 0 | 1 | 1 | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 4.50 | 25% | 107.1 | 17.5 | |
| | 1130 | 0 | 0 | 0 | 0 | 1 | 1 | | | 0 | 0 | 0 | 0 | 1 | 100% | | <u> </u> | | | 4.10 | 25% | 107.0 | 17.5 | |
| | 1230 | 0 | 0 | 0 | 0 | 1 | 1 | | | 0 | 0 | 0 | 0 | 1 | 100% | | 1 | | - | 4.90 | 25% | 107.2 | 17.8 | |
| | 1330 | 0 | 0 | 0 | 0 | 1 | 1 | _ | _ | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 5.00 | 25% | 107.6 | 17.9 | |
| 6/5/2010 | 830 | 0 | 0 | 0 | 0 | 1 | | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | | 5.20 | 25% | 107.1 | 18.0 | |
| | 930 | 0 | 0 | 0 | 0 | 1 | | | | 0 | 0 | 0 | 0 | 1 | 100% | | | | - | 5.00 | 25% | 107.2 | 18.0 | |
| | 1030 | 0 | 0 | 0 | 0 | 1 | | | | 0 | 0 | 0 | 0 | 1 | 100% | | + | | + | 5.20 | 25% | 107.3 | 18.5 | |
| | 1130 | 0 | 0 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 100% | | + | | | 5.10 | 25% | 108.0 | 18.5 | |
| | 1230 1330 | 0 | 0 | 0 | 0 | 1 | | | | 0 | 0 | 0 | 0 | 1 | 100% | | + | 1 | 80% | 5.40 4.60 | 25% 25% | 108.3 108.3 | 18.5 21.0 | |
| | 1430 | 1 | 0 | 1 | 0 | | | | | 1 | 0 | 0 | 0 | | | | + | 1 | 60% | 4.40 | 30% | 108.3 | 22.0 | |
| | 1530 | 1 | 0 | 1 | 0 | 1 | 1 | | | 1 | 0 | 0 | 0 | l | | | + | 1 | 55% | 4.40 | 30% | 108.2 | 22.5 | |
| 6/6/2010 | 930 | 0 | 1 | 0 | 0 | _ | _ | _ | _ | 0 | 0 | 0 | 0 | 1 | 100% | | + | - | 33/6 | 5.10 | 20% | 108.3 | 17.2 | |
| 0,0,2010 | 1030 | 0 | 1 | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 1 | 100% | | 1 | | | 5.10 | 20% | 107.1 | 17.2 | |
| | 1130 | 0 | 1 | 0 | 0 | | 0 | | | 0 | 0 | 0 | 0 | 1 | 100% | | 1 | | | 5.10 | 15% | 107.5 | 17.2 | |
| | 1230 | 0 | 1 | 0 | 0 | 1 | 1 | | | 1 | 0 | 0 | 0 | <u> </u> | 1 | | T | 1 | 70% | 4.60 | 30% | 107.6 | 20.9 | |
| | | | 1 | 0 | 0 | 1 | 1 | | | 1 | 0 | 0 | 0 | | | | + | 1 | 70% | 4.60 | 30% | 107.0 | 21.0 | |

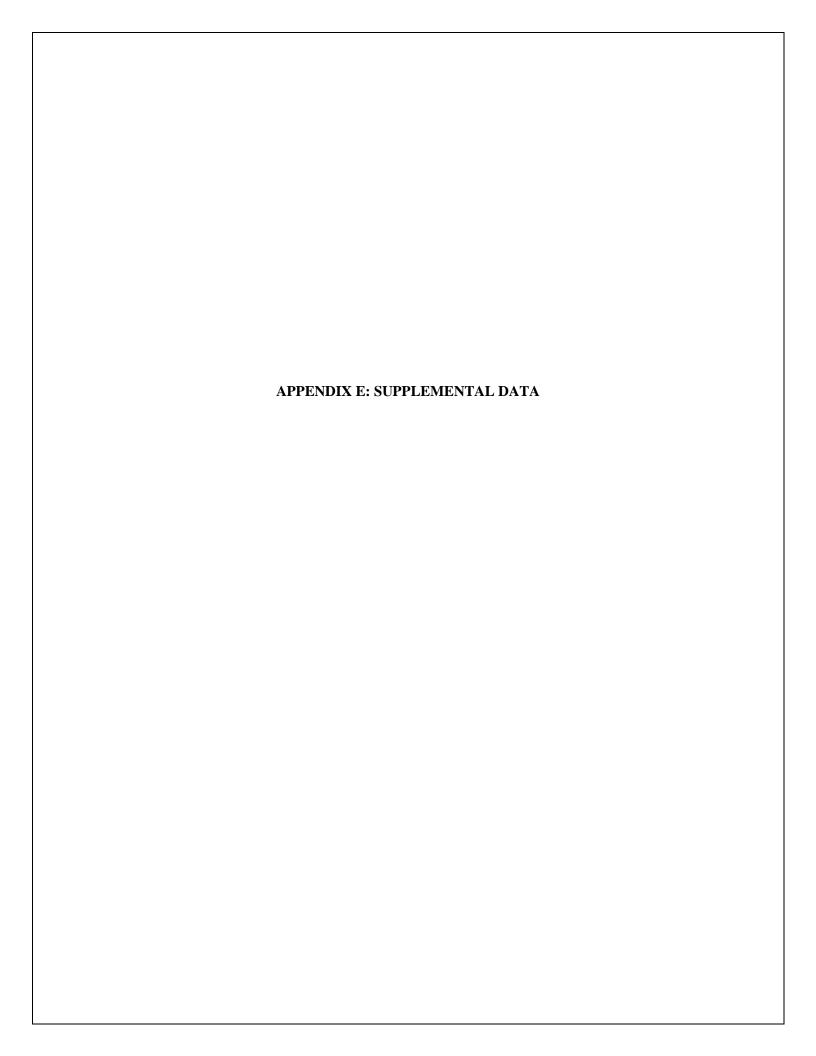


| Fish | Successful Forays that Lead to Passage Only | Pass DateTime | Foray Duration hh:mm:ss | • | Water H | lourly Shad Count Unit 1 | Unit 2 | Unit 3 | Unit 4 | Generational | | Unit 8 | Unit 9 | Unit 10 Unit 11 | Weir Gate | Weir % Open | | erational Conditi er Area Gate % | | ace Level ft. Commen | | r Setting B | Spillway Attract | ction Flow Setting B |
|---------------------|--|--|-------------------------|-----------|---------|-----------------------------|--------|--------|--------|--------------|-----|----------|------------|-----------------|------------|-------------|--------------|-------------------------------------|----------------|----------------------|----------|----------------|------------------|-------------------------|
| 54-201 | Initial Fishlift Detection Last Lower Fishlift Det. | 04/30/10 09:14:05 04/30/10 09:52:19 | 00:20:44 | | | | 0 0 | 0 | 1 | 1 | 1 | 1 | 1 1 | 0 | 1 C | 45% | 3.60 | 26% | 106.2 | 22.5 | 10 | 50 | 14 | 14 |
| 1 | Exit Trough | 04/30/10 09:52:19 | 00:38:14 | Friday | 60.8 | 38 | 0 0 | 0 | 1 | 1 | 1 | 1 | 1 1 | 0 | 1 C | 45% | 3.60 | 26% | 106.2 | 22.5 | 10 | 50 | 14 | 14 |
| 54-204 | Initial Fishlift Detection | 05/03/10 08:21:30 | 22.12.12 | | | | 0 1 | 0 | C | 1 | 0 | 0 (| 0 0 | 0 | 0 A | 97% | | 30% | 107.2 | 18.5 18.5 | 10 | | 14 | 14 |
| 2 | Last Lower Fishlift Det. Exit Trough | 05/03/10 08:40:12 05/03/10 10:13:20 | 00:18:42 | Monday | 63.5 | 148 | 0 1 | 0 | C | 1 | 0 | 0 (| 0 | 0 | 0 A | 97% | 4.70 | 30% | 107.2 | 18.5 | 10 | | 14 | 14 |
| 54-197 | Initial Fishlift Detection | 05/03/10 08:11:13 | 22.22.22 | | | | 0 1 | 0 | C | 1 | 0 | 0 (| 0 0 | 0 | 0 A | 97% | | 30% | 107.2 | 18.5 | 10 | | 14 | 14 |
| 3 | Last Lower Fishlift Det. Exit Trough | 05/03/10 08:43:46 05/03/10 10:20:17 | 00:32:33 | Monday | 63.5 | 148 | 0 1 | 0 | C | 1 | 0 | 0 (| 0 | 0 | 0 A | 97% | 4.70 | 30% | 107.2 | 18.5 | 10 | | 14 | 14 |
| 54-194 | Initial Fishlift Detection | 05/02/10 18:18:34 | | | | | 0 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 47% | | 35% | 107.4 | 23.0 | 10 | 50 | 14 | 14 |
| 4 | Last Lower Fishlift Det. Exit Trough | 05/02/10 18:25:37 05/03/10 16:13:01 | 00:07:03 | Monday | 63.5 | 69 | 0 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 47% | 3.50 | 35% | 107.4 | 23.0 | 10 | 50 | 14 | 14 |
| | Initial Fishlift Detection | 05/05/10 14:12:25 | 00.04.00 | | | | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 0 | 1 C | 48% | | 35% | 108.0 | 22.8 | 10 | 50 | 14 | 14 |
| 5 | Last Lower Fishlift Det. Exit Trough | 05/05/10 14:14:03 05/05/10 15:30:06 | 00:01:38 | Wednesday | 66.3 | 39 | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 0 | 1 C | 48% | 3.50 | 35% | 108.0 | 22.8 | 10 | 50 | 14 | 14 |
| | Initial Fishlift Detection | 05/06/10 09:27:31 | 20.40.40 | | | | 0 1 | 0 | C | 1 | 0 | 0 (| 0 0 | 0 | 0 A | 86% | | 30% | 106.7 | 18.5 | 10 | | 14 | 14 |
| 6 | Last Lower Fishlift Det. Exit Trough | 05/06/10 10:08:11 05/06/10 11:33:42 | 00:40:40 | Thursday | 66.5 | 131 | 0 1 | U | · | 1 | U | 0 | J 0 | 0 | 0 A | 86% | 4.00 | 30% | 106.7 | 18.5 | 10 | | 14 | 14 |
| 21-135 | Initial Fishlift Detection | 05/07/10 12:05:39 | 22.22.51 | | | | 0 1 | 0 | C | 1 | 1 | 1 | 1 0 | 0 | 0 C | 65% | | 35% | 107.5 | 21.0 | 10 | 50 | 14 | 14 |
| 7 | Last Lower Fishlift Det. Exit Trough | 05/07/10 12:14:30 05/07/10 12:46:56 | 00:08:51 | Friday | 70.0 | 79 | 0 1 | 0 | C | 1 | 1 | 1 | 1 0 | 0 | 0 C | 65% | 4.30 | 35% | 107.5 | 21.0 | 10 | 50 | 14 | 14 |
| 21-127 | Initial Fishlift Detection | 05/07/10 11:57:50 | 00:03:01 | | | | 0 1 | 0 | | 1 | 1 | 1 | 1 0 | 0 | 0 C | 65% 65% | | 30% | 107.2 107.5 | 21.0 | 10 | 50 | 14 | 14 |
| 8 | Last Lower Fishlift Det. Exit Trough | 05/07/10 12:00:51 05/07/10 14:20:56 | | Friday | 70.0 | 144 | 0 1 | U | | , , | | | 1 0 | 0 | 0 C | 65% | 4.30 | 35% | 107.5 | 21.0 | 10 | 50 | 14 | 14 |
| 54-198 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/07/10 15:46:21 05/07/10 15:53:45 | 00.07.04 | | | | 0 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 0 | 1 C | 48% 48% | | 40% 40% | 107.7 107.7 | 23.0 | 10 | 50 | 14 14 | 14 14 |
| 9 | Exit Trough | 05/07/10 15:53:45 | 00:07:24 | Friday | 70.0 | 368 | 0 1 | 1 | 1 | | 1 | | 1 | 0 | 1 6 | 48% | 3.80 | 40% | 107.7 | 23.0 | 10 | 50 | 14 | 14 |
| 54-207 10 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/07/10 16:42:31 05/07/10 16:52:57 | 00:10:26 | | | | 0 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 0 | 1 C | 48% 48% | | 40% 40% | 107.7 107.7 | 23.0 23.0 | 10 | 50 50 | 14 | 14 14 |
| | Exit Trough | 05/07/10 17:58:54 | | Friday | 70.0 | 500 | 0 1 | ' | - | - ' | - 1 | 1 | ' | 0 | 1 0 | 40% | 3.60 | 40% | 107.7 | 23.0 | 10 | 50 | 14 | 14 |
| 21-119 11 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/07/10 16:15:34 05/07/10 17:04:30 | 00:48:56 | | | | 0 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 0 | 1 C | 48% 48% | | 40% 40% | 107.7 107.7 | 23.0 23.0 | 10 10 | 50 50 | 14 14 | 14 14 |
| | Exit Trough | 05/07/10 17:04:30 | 00.48.30 | Friday | 70.0 | 459 | 0 1 | ' | | | ' | | ' | U U | 0 | 40 /6 | 3.80 | 40 /6 | 107.7 | 23.0 | 10 | 30 | 14 | 14 |
| 21-121 12 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/07/10 17:34:15 05/07/10 17:38:18 | 00:04:03 | | | | 0 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 0 | 1 C | 48% 48% | | 40% 40% | 107.7 107.7 | 23.0 23.0 | 10 10 | 50 50 | 14 14 | 14 14 |
| | Exit Trough | 05/07/10 18:38:16 | | Friday | 70.0 | 459 | 0 1 | | | | ' | | ' | O O | 0 | | | | | | 10 | 30 | | 14 |
| 54-199 13 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/07/10 18:10:22 05/07/10 18:10:51 | 00:00:29 | | | | 0 1 | 1 | 1 | 1 | 1 | 1 . | 1 1 | 0 | 1 C | 48% 48% | | 40% 40% | 107.5 107.5 | 23.0 23.0 | 10 10 | 50 50 | 14 14 | 14 14 |
| | Exit Trough | 05/07/10 18:46:28 | 00.00.20 | Friday | 70.0 | 459 | 0 1 | ġ | | | | | | Ü | | 4070 | | 4070 | | | | 00 | | 1-4 |
| 21-112 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/08/10 08:31:22 05/08/10 08:37:50 | 00:06:28 | | | | 0 1 | 0 | | 1 1 | 0 | 0 (| 0 0 | 0 | 0 A | 86% 86% | | 30% 30% | 106.6 106.6 | 19.0 19.0 | 10 10 | | 14 14 | 14 14 |
| | Exit Trough | 05/08/10 08:54:43 | 00.00.20 | Saturday | 70.7 | 233 | | | | | | | | Ü | | | | | | | | | | |
| 21-132 15 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/08/10 09:28:41 05/08/10 10:09:40 | 00:40:59 | | | | 0 1 | 0 | 0 | 1 1 | 0 0 | 0 (| 0 0 | 0 | 0 A 0 A | 86% 86% | 4.40 4.40 | 30% 30% | 106.9 106.9 | 19.0 19.0 | 10 | | 14 14 | 14 14 |
| | Exit Trough | 05/08/10 10:46:00 | | Saturday | 70.7 | 677 | | | | | | | | | | | | | | | | | | |
| 21-114 16 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/08/10 10:30:03 05/08/10 10:53:15 | 00:23:12 | | | | 0 1 | 0 | 0 | 1 1 | 0 0 | 0 0 | 0 0 | 0 | 0 A 0 A | 86% 86% | | 30% 30% | 107.0 107.0 | 19.0 19.0 | 10 | | 14 14 | 14 14 |
| 04.400 | Exit Trough | 05/08/10 11:29:21 | | Saturday | 70.7 | 586 | 0 1 | | | | | | | | | 200/ | 4.70 | 000/ | 107.0 | 40.0 | 40 | | | |
| 21-122 17 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/08/10 10:46:35 05/08/10 10:56:55 | 00:10:20 | | | | 0 1 | 0 | 0 | 1 | 0 | 0 0 | 0 0 | 0 | 0 A 0 A | 86% 86% | | 30% 30% | 107.0 107.5 | 19.0 19.0 | 10 10 | | 14 14 | 14 14 |
| 21-124 | Exit Trough Initial Fishlift Detection | 05/08/10 11:30:20 05/08/10 10:45:22 | | Saturday | 70.7 | 586 | 0 1 | 0 | | | 0 | 0 / | 2 0 | 0 | 0 4 | 86% | 4.70 | 30% | 107.0 | 19.0 | 10 | | 14 | 14 |
| 18 | Last Lower Fishlift Det. | 05/08/10 10:45:22 | 00:26:55 | | | | 0 1 | 0 | 0 | 1 | 0 | 0 (| 0 0 | 0 | 0 A 0 A | 86% | | 30% | 107.5 | 19.0 | 10 | 50 | 14 | 14 |
| 54-208 | Exit Trough Initial Fishlift Detection | 05/08/10 12:48:36 05/11/10 13:52:40 | | Saturday | 70.7 | 134 | 0 1 | 0 | | 1 | 0 | 0 (|) 0 | 0 | 0 A | 82% | 4.40 | 30% | 107.4 | 19.0 | 10 | | 14 | 14 |
| 19 | Last Lower Fishlift Det. | 05/11/10 14:42:55 | 00:50:15 | | | | 0 1 | 0 | 0 | 1 | 0 | 0 (| 0 0 | 0 | 0 A | 82% | | 30% | 107.4 | 19.0 | 10 | | 14 | 14 |
| 54-191 | Exit Trough Initial Fishlift Detection | 05/11/10 15:25:25 05/11/10 16:12:34 | | Tuesday | 67.1 | 97 | 0 1 | 0 | | 1 | 0 | 0 (|) 0 | 0 | 0 A | 82% | 4.30 | 30% | 108.0 | 19.0 | 10 | | 14 | 14 |
| 20 | Last Lower Fishlift Det. | 05/11/10 17:49:25 | | | | | 0 1 | 0 | C | 1 | 0 | 0 0 | 0 0 | 0 | 0 A | 88% | | 30% | 108.4 | 19.0 | 10 | | 14 | 14 |
| 21-154 | Exit Trough Initial Fishlift Detection | 05/11/10 18:08:09 05/12/10 10:55:18 | | Tuesday | 67.1 | 61 | 0 1 | 0 | | 1 | 0 | 1 (|) 0 | 0 | 0 A | 80% | 4.00 | 30% | 106.4 | 19.5 | 10 | | 14 | 14 |
| 21 | Last Lower Fishlift Det. | 05/12/10 11:46:18 | | | | | 0 1 | 0 | C | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | | 30% | 106.6 | 19.5 | 10 | | 14 | 14 |
| 54-158 | Exit Trough Initial Fishlift Detection | 05/12/10 12:31:41 05/12/10 10:13:46 | | Wednesday | 65.7 | 400 | 0 1 | 0 | C | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | 4.00 | 30% | 106.4 | 19.5 | 10 | | 14 | 14 |
| 22 | Last Lower Fishlift Det. | 05/12/10 10:26:10 | 00:12:24 | | 05.7 | 400 | 0 1 | 0 | C | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | | 30% | 106.4 | 19.5 | 10 | | 14 | 14 |
| 54-168 | Exit Trough Initial Fishlift Detection | 05/12/10 12:35:47 05/12/10 10:39:03 | | Wednesday | 65.7 | 400 | 0 1 | 0 | | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | 4.00 | 30% | 106.4 | 19.5 | 10 | | 14 | 14 |
| 23 | Last Lower Fishlift Det. Exit Trough | 05/12/10 12:11:00 05/12/10 12:42:20 | | Wednesday | 65.7 | 400 | 0 1 | 0 | C | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | 4.00 | 30% | 106.6 | 19.5 | 10 | | 14 | 14 |
| | Initial Fishlift Detection | 05/12/10 13:08:06 | | | 05.7 | 400 | 0 1 | 0 | C | 1 | 0 | 1 (| 00 | 0 | 0 A | 80% | | 30% | 106.7 | 19.4 | 10 | | 14 | 14 |
| 24 | Last Lower Fishlift Det. Exit Trough | 05/12/10 13:18:32 05/12/10 14:09:31 | 00:10:26 | Wednesday | 65.7 | 203 | 0 1 | 0 | C | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | 4.30 | 30% | 106.8 | 19.4 | 10 | | 14 | 14 |
| | Initial Fishlift Detection | 05/12/10 13:57:50 | | | 55.7 | 200 | 0 1 | 0 | C | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | | 30% | 106.8 | 19.4 | 10 | | 14 | 14 |
| 25 | Last Lower Fishlift Det. Exit Trough | 05/12/10 14:08:15 05/12/10 15:06:18 | | Wednesday | 65.7 | 256 | 0 1 | 0 | С | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | 4.30 | 30% | 106.8 | 19.4 | 10 | | 14 | 14 |
| 21-146 | Initial Fishlift Detection | 05/12/10 15:16:18 | | | | | 0 1 | 0 | C | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | | 30% | 107.7 | 19.3 | 10 | | 14 | 14 |
| 26 | Last Lower Fishlift Det. Exit Trough | 05/12/10 15:40:13 05/12/10 16:31:10 | | Wednesday | 65.7 | 217 | 0 1 | 0 | C | 1 | 0 | 1 (| 0 | 0 | 0 A | 80% | 4.40 | 30% | 107.7 | 19.3 | 10 | | 14 | 14 |
| | Initial Fishlift Detection | 05/12/10 15:41:01 | | | | | 0 1 | 0 | 0 | 1 | 0 | 1 (| 0 0 | 0 | 0 A | 80% | | 30% | 107.7 | 19.3 | 10 | | 14 | 14 |
| 27 | Last Lower Fishlift Det. Exit Trough | 05/12/10 15:48:47 05/12/10 17:25:44 | | Wednesday | 65.7 | 312 | U 1 | 0 | C | 1 | U | 1 | 0 | U | 0 A | 80% | 4.40 | 30% | 107.7 | 19.3 | 10 | | 14 | 14 |
| 21-170 28 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/12/10 17:11:00 05/12/10 17:17:23 | | | | | 0 1 | 0 | 0 | 1 | 0 | 1 (| 0 0 | 0 | 0 A 0 A | 87% 87% | | 30% 30% | 108.3 108.3 | 19.3 19.3 | 10 10 | | 14 14 | 14 14 |
| | Exit Trough | 05/12/10 17:17:23 05/12/10 17:51:05 | | Wednesday | 65.7 | 312 | 0 1 | | | | U | Ш | | U | 0 A | 81% | 4.90 | 30% | 106.3 | 19.3 | 10 | | 14 | 14 |
| | Initial Fishlift Detection ** Last Lower Fishlift Det.** | 05/12/10 15:17:10 05/12/10 17:13:49 | | | | | 0 1 | 0 | 0 | 1 | 0 | 1 (| 0 | 0 | 0 A 0 A | 87% 87% | | 30% 30% | 107.9 108.3 | 19.3 19.3 | 10 10 | | 14 14 | 14 14 |
| ** | Exit Trough ** | 05/12/10 18:12:07 | | Wednesday | 65.7 | 182 | | Ü | | | | <u>'</u> | | 9 | | | | | | | | | | |
| | Initial Fishlift Detection Last Lower Fishlift Det. | 05/15/10 11:29:20 05/15/10 12:10:07 | | | | | 0 1 | 1 | 1 | 1 1 | 1 | 1 - | 1 0 1 0 | 0 | 0 C | 55% 55% | | 20% 20% | 107.5 107.4 | 22.0 22.0 | 10 10 | 50 50 | 14 14 | 14 14 |
| | Exit Trough | 05/15/10 12:22:22 | | Saturday | 64.4 | 64 | | | | | | | | | | | | | | | | | | |
| 21-149 30 | Initial Fishlift Detection Last Lower Fishlift Det. | 05/17/10 12:39:00 05/17/10 12:45:41 | | + + | | | 0 1 | 1 | 1 | 1 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% 42% | | 25% 25% | 107.2 107.2 | 23.0 23.0 | 10 | 50 50 | 14 14 | 14 |
| | | | | | | | | | | | | - | | | | | 4 | 2741 | - 1 | 1 | | | | |

| | Exit Trough | 05/17/10 13:40:11 | 1 | Monday | 63.5 | 121 | | | | | | | 1 1 | | 1 | | | | | 1 | | | |
|--------|----------------------------|-------------------|----------|----------|------|-----|-----|---|-----|---|-----|---|-----|------------|------|------|-----|-------|------|----|---------------|----|----|
| 54-160 | Initial Fishlift Detection | 05/20/10 16:54:03 | | monday | 00.0 | | 0 1 | 0 | 0 1 | 1 | 0 (| 0 | 0 | 0 A | 91% | 4.30 | 30% | 107.1 | 19.5 | 10 | $\overline{}$ | 14 | 14 |
| 31 | Last Lower Fishlift Det. | 05/20/10 17:10:53 | 00:16:50 | | | | 0 1 | 0 | 0 1 | 1 | 0 (| 0 | 0 | 0 A | 91% | | | 107.1 | 19.5 | 10 | | 14 | 14 |
| | Exit Trough | 05/20/10 17:36:33 | | Thursday | 65.7 | 74 | | | 1 | | | | | | 0.70 | | | .,,,, | | 1 | $\overline{}$ | | † |
| 54-164 | Initial Fishlift Detection | 05/21/10 14:46:09 | | | | | 1 1 | 1 | 1 1 | 1 | 1 1 | 1 | 1 | 1 C | 38% | 3.30 | 35% | 108.5 | 23.5 | 10 | $\overline{}$ | 14 | 14 |
| 32 | Last Lower Fishlift Det. | 05/21/10 14:59:22 | 00:13:13 | | | | 1 1 | 1 | 1 1 | 1 | 1 1 | 1 | 1 | 1 C | 38% | 3.30 | | 108.5 | 23.5 | 10 | $\overline{}$ | 14 | 14 |
| | Exit Trough | 05/21/10 15:45:33 | | Friday | 66.8 | 48 | | | 1 | | | | | | | | | | | 1 | $\overline{}$ | | † |
| 21-158 | Initial Fishlift Detection | 05/21/10 16:45:50 | | , | | | 1 1 | 1 | 1 1 | 1 | 1 1 | 1 | 1 | 1 C | 38% | 3.40 | 35% | 108.0 | 23.5 | 10 | | 14 | 14 |
| 33 | Last Lower Fishlift Det. | 05/21/10 16:55:24 | 00:09:34 | | | | 1 1 | 1 | 1 1 | 1 | 1 1 | 1 | 1 | 1 C | 38% | 3,40 | | 108.0 | 23.5 | 10 | $\overline{}$ | 14 | 14 |
| | Exit Trough | 05/22/10 08:22:53 | | Saturday | 67.1 | 22 | | | | | | | | | | | | | | | | | † |
| 21-169 | Initial Fishlift Detection | 05/22/10 08:54:27 | | | | | 0 1 | 0 | 0 1 | 0 | 0 (| 0 | 0 | 0 A | 92% | 4.80 | 24% | 106.6 | 21.0 | 10 | 50 | 14 | 14 |
| 34 | Last Lower Fishlift Det. | 05/22/10 09:03:46 | 00:09:19 | | | | 0 1 | 0 | 0 1 | 0 | 0 0 | 0 | 0 | 0 A | 92% | 4.70 | 24% | 107.0 | 19.0 | 10 | 50 | 14 | 14 |
| | Exit Trough | 05/22/10 09:25:15 | | Saturday | 67.1 | 32 | | | | | | | | | | | | | | | | | † |
| 54-140 | Initial Fishlift Detection | 05/22/10 14:27:46 | | Í | | | 1 1 | 1 | 1 1 | 1 | 0 1 | 1 | 0 | 0 C | 55% | 4.40 | 35% | 107.5 | 22.5 | 10 | 92 | 14 | 14 |
| 35 | Last Lower Fishlift Det. | 05/22/10 14:58:03 | 00:30:17 | | | | 1 1 | 1 | 1 1 | 1 | 0 1 | 1 | 0 | 0 C | 55% | 4.40 | | 107.5 | 22.5 | 10 | 92 | 14 | 14 |
| | Exit Trough | 05/22/10 16:00:39 | | Saturday | 67.1 | 12 | | | | | | | | | | | | | | | | | |
| 21-123 | Initial Fishlift Detection | 05/23/10 14:53:40 | | | | | 0 1 | 0 | 0 1 | 1 | 1 1 | 0 | 0 | 0 C | 70% | 4.40 | 35% | 107.4 | 21.1 | 10 | | 14 | 14 |
| 36 | Last Lower Fishlift Det. | 05/23/10 14:55:42 | 00:02:02 | | | | 0 1 | 0 | 0 1 | 1 | 1 1 | 0 | 0 | 0 C | 70% | 4.40 | 35% | 107.4 | 21.1 | 10 | | 14 | 14 |
| | Exit Trough | 05/23/10 15:10:14 | | Sunday | 67.5 | 37 | | | | | | | | | | | | | | | | | |
| 54-169 | Initial Fishlift Detection | 05/23/10 14:36:53 | | | | | 0 1 | 0 | 0 1 | 1 | 1 1 | 0 | 0 | 0 C | 70% | 4.40 | 35% | 107.4 | 21.1 | 10 | | 14 | 14 |
| 37 | Last Lower Fishlift Det. | 05/23/10 14:59:07 | 00:22:14 | | | | 0 1 | 0 | 0 1 | 1 | 1 1 | 0 | 0 | 0 C | 70% | 4.40 | 35% | 107.4 | 21.1 | 10 | | 14 | 14 |
| | Exit Trough | 05/23/10 16:07:50 | | Sunday | 67.5 | 57 | | | | | | | | | | | | | | | | | |
| 54-159 | Initial Fishlift Detection | 05/24/10 09:35:33 | | | | | 0 1 | 0 | 0 1 | 0 | 0 (| 0 | 0 | 0 A | 100% | 5.60 | 20% | 108.0 | 18.5 | 10 | | 18 | 18 |
| 38 | Last Lower Fishlift Det. | 05/24/10 09:44:37 | 00:09:04 | | | | 0 1 | 0 | 0 1 | 0 | 0 (| 0 | 0 | 0 A | 100% | 5.60 | 20% | 108.0 | 18.5 | 10 | | 18 | 18 |
| | Exit Trough | 05/24/10 10:29:00 | | Monday | 68.0 | 76 | | | | | | | | | | | | | | | | | |
| 54-142 | Initial Fishlift Detection | 05/24/10 09:30:53 | | | | | 0 1 | 0 | 0 1 | 0 | 0 (| 0 | 0 | 0 A | 100% | | | 108.0 | 18.5 | 10 | | 18 | 18 |
| 39 | Last Lower Fishlift Det. | 05/24/10 09:35:38 | 00:04:45 | | | | 0 1 | 0 | 0 1 | 0 | 0 (| 0 | 0 | 0 A | 100% | 5.60 | 20% | 108.0 | 18.5 | 10 | | 18 | 18 |
| | Exit Trough | 05/24/10 10:35:58 | | Monday | 68.0 | 76 | | | | | | | | | | | | | | | | | |
| 21-171 | Initial Fishlift Detection | 05/24/10 09:38:18 | | | | | 0 1 | 0 | 0 1 | 0 | 0 (| 0 | 0 | 0 A | 100% | | | 108.0 | 18.5 | 10 | | 18 | 18 |
| 40 | Last Lower Fishlift Det. | 05/24/10 10:55:53 | 01:17:35 | | | | 0 1 | 0 | 0 1 | 0 | 0 (| 0 | 0 | 0 A | 100% | 5.50 | 20% | 108.2 | 18.5 | 10 | | 18 | 18 |
| | Exit Trough | 05/24/10 11:55:31 | | Monday | 68.0 | 49 | | | | | | | | | | | | | | | | | |

| | Number of | | | Foray Duration | | | Generatio | nal Cond | ditions | | | | | | Fishlift Operational Cond | litions | | Diffuse | Setting | Spillway Attrac | tion FlowSetting |
|---------------------|---------------------|---|--|----------------|--------|-----------------|-----------------|-----------|------------------|-----------|------------|------------|--------------|--------------|---------------------------|----------------|-----------------------------|----------|----------|-----------------|------------------|
| Fish l | Unsuccessful Forays | Unsuccessful Forays | Foray DateTime | hh:mm:ss | Unit 1 | Unit 2 Unit 3 U | Jnit 4 Unit 5 U | nit 6 Uni | it 7 Unit 8 Unit | 9 Unit 10 | Unit 11 | Weir Gat | | | | | Tailrace Level ft. Comments | Α | В | Α | В |
| 21-100 | 1 | Foray 1 Initial Lift Detection | 05/04/10 11:43:47 | 04.05.40 | 0 | 1 0 | 0 1 | 1 | 1 0 | 0 0 | 0 0 |) A | 26% | 4.00 | 30% | 107.8 | 20.2 | 10 | | 14 | 14 |
| 21-104 | 1 | Foray 1 Last Lift Detection Foray 1 Initial Lift Detection | 05/04/10 13:19:06 04/24/10 15:19:21 | 01:35:19 | 0 | 0 0 | 0 1 | 0 | 1 1 | 0 0 |) 1 | C | 38% 85% | 3.50 3.90 | 25% 30% | 108.2 106.7 | 23.5 19.0 | 10 10 | 50 | 14 14 | 14 14 |
| 2 | - | Foray 1 Last Lift Detection | 04/24/10 15:19:42 | 00:00:21 | 0 | 0 0 | 0 1 | 0 | 1 0 | 0 0 | 0 0 | Α | 85% | 3.90 | 30% | 106.7 | 19.0 | 10 | | 14 | 14 |
| 54-200-1 | 1 Lift Mortality | Foray 1 Initial Lift Detection Foray 1 Last Lift Detection | 05/02/10 17:16:53 05/02/10 17:29:23 | 00:12:30 | 0 | 1 1 | 1 1 | 1 | 1 1 | 1 1 | 1 1 | C | 47% 47% | 3.50 3.50 | 35% 35% | 107.4 107.4 | 23.0 | 10 10 | 50 50 | 14 14 | 14 14 |
| 21-109 | 1 | Foray 1 Initial Lift Detection | 05/08/10 17:29:25 | 00.12.30 | 0 | 1 0 | 0 1 | 1 | 1 1 | 1 0 | 0 0 | C | 50% | 4.00 | 30% | 107.9 | 22.0 | 10 | 50 | 14 | 14 |
| 4 | | Foray 1 Last Lift Detection | 05/08/10 15:40:31 | 00:15:25 | 0 | 1 0 | 0 1 | 1 | 1 1 | 1 C | 0 | C | 50% | 4.00 | 30% | 107.9 | 22.0 | 10 | 50 | 14 | 14 |
| 21-115 | 1 | Foray 1 Initial Lift Detection Foray 1 Last Lift Detection | 05/15/10 08:42:00 05/15/10 13:03:43 | 04:21:43 | 0 | 1 1 | 1 1 | 1 | 1 1 | 0 0 | 0 0 |) C | 60% 55% | 4.00 3.80 | 25% 20% | 107.3 107.3 | 21.5 22.0 | 10 10 | 50 50 | 14 14 | 14 14 |
| 21-116 | 3 | Foray 1 Initial Lift Detection | 05/07/10 13:58:43 | 0 1.211 10 | 0 | 1 0 | 0 1 | 1 | 1 1 | 0 0 | 0 0 | C | 65% | 4.40 | 30% | 107.7 | 21.0 | 10 | 50 | 14 | 14 |
| 6 21-116 | 2 | Foray 2 Initial Lift Detection | 05/07/10 14:19:54 | 00:21:11 | 0 | 1 1 | 0 1 | 1 | 1 1 | 1 0 |) 1 | C | 48% 74% | 3.80 3.90 | 40% 30% | 107.7 106.5 | 23.0 | 10 10 | 50 | 14 14 | 14 14 |
| 21-116 | 3 | Foray 2 Initial Lift Detection Foray 2 Last Lift Detection | 05/10/10 13:11:09 05/10/10 13:13:21 | 00:02:12 | 0 | 1 0 | 0 1 | 1 | 1 0 | 0 0 | 0 0 |) A) A | 74% | 3.90 | 30% | 106.5 | 20.0 | 10 | | 14 | 14 |
| 21-116 | 3 | Foray 3 Initial Lift Detection | 05/12/10 10:31:37 | | 0 | 1 0 | 0 1 | 0 | 1 0 | 0 C | 0 0 |) A | 80% | 4.00 | 30% | 106.4 | 19.5 | 10 | | 14 | 14 |
| 21-120 | 1 | Foray 3 Last Lift Detection Foray 1 Initial Lift Detection | 05/12/10 10:35:47 05/05/10 15:34:06 | 00:04:10 | 0 | 1 0 | 0 1 | 1 | 1 0 | 1 0 | 0 1 | C | 80% 48% | 4.00 3.40 | 30% 35% | 106.4 107.8 | 19.5 23.0 | 10 10 | 50 | 14 14 | 14 14 |
| 7 | • | Foray 1 Last Lift Detection | 05/05/10 15:36:32 | 00:02:26 | 1 | 1 1 | 1 1 | 1 | 1 1 | 1 0 |) 1 | Č | 48% | 3.40 | 35% | 107.8 | 23.0 | 10 | 50 | 14 | 14 |
| 21-129 | 1 | Foray 1 Initial Lift Detection Foray 1 Last Lift Detection | 05/09/10 12:04:17 05/09/10 13:32:03 | 01:27:46 | 0 | 1 1 | 1 1 | 1 | 1 1 | 0 0 | 0 0 |) C | 60% | 3.80 4.30 | 35% 35% | 107.5 107.1 | 21.5 21.5 | 10 10 | 50 50 | 15 15 | 15 15 |
| 21-141 | 2 | Foray 1 Initial Lift Detection | 05/20/10 11:49:03 | 01.27.40 | 0 | 1 0 | 0 1 | 1 | 1 1 | 1 0 | 0 0 |) C | 55% | 3.70 | 26% | 107.1 | 22.0 | 10 | 50 | 14 | 14 |
| 9 | | Foray 1 Last Lift Detection | 05/20/10 12:23:50 | 00:34:47 | 0 | 1 0 | 0 1 | 1 | 1 1 | 1 0 | 0 0 |) C | 55% | 3.80 | 26% | 107.1 | 22.0 | 10 | 50 | 14 | 14 |
| 21-141 | 2 | Foray 2 Initial Lift Detection Foray 2 Last Lift Detection | 05/23/10 08:26:46 05/23/10 08:27:15 | 00:00:29 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 |) 0) 0 |) A | 100% 100% | 5.70 5.70 | 20% | 107.3 107.3 | 18.3 18.3 | 10 10 | | 14 14 | 14 14 |
| 21-142 | 3 | Foray 1 Initial Lift Detection | 05/13/10 12:06:37 | | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 |) A | 90% | 4.70 | 30% | 106.5 | 19.0 | 10 | | 14 | 14 |
| 10 21-142 | 3 | Foray 1 Last Lift Detection Foray 2 Initial Lift Detection | 05/13/10 12:28:06 05/25/10 15:59:33 | 00:21:29 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 0 |) A | 90% 55% | 4.80 4.80 | 30% 35% | 107.0 108.7 | 19.0 23.0 | 10 10 | 50 | 14 14 | 14 14 |
| £1-14£ | | Foray 2 Last Lift Detection | 05/25/10 16:11:55 | 00:12:22 | 0 | 1 1 | 1 1 | 1 | 1 1 | 1 0 |) 1 | C | 55% | 4.80 | 35% | 108.7 | 23.0 | 10 | 50 | 14 | 14 |
| 21-142 | 3 | Foray 3 Initial Lift Detection | 05/31/10 12:20:22 05/31/10 12:32:55 | 00:12:33 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 0 |) A | 100% 100% | 5.10 5.20 | 20% 20% | 107.7 107.8 | 17.8 17.8 | 10 10 | | 14 14 | 14 14 |
| 21-143 | 2 | Foray 3 Last Lift Detection Foray 1 Initial Lift Detection | 05/31/10 12:32:55 | 00.12.33 | 0 | 1 0 | 0 1 | 0 | 1 0 | 0 0 | 0 0 |) A | 80% | 4.00 | 30% | 107.8 | 17.8 | 10 | | 14 | 14 |
| 11 | | Foray 1 Last Lift Detection | 05/12/10 11:23:17 | 00:09:13 | 0 | 1 0 | 0 1 | 0 | 1 0 | 0 0 | 0 | Α | 80% | 4.00 | 30% | 106.6 | 19.5 | 10 | | 14 | 14 |
| 21-143 | 2 | Foray 2 Initial Lift Detection Foray 2 Last Lift Detection | 05/19/10 12:40:00 05/19/10 12:40:27 | 00:00:27 | 0 | 1 0 | 0 1 | 1 | 1 0 | 0 0 | 0 0 |) A | 83% 83% | 4.40 4.40 | 30% | 106.4 106.4 | 19.6 19.6 | 10 10 | | 14 14 | 14 14 |
| 21-144 | 3 | Foray 1 Initial Lift Detection | 05/12/10 14:24:15 | | 0 | 1 0 | 0 1 | 0 | 1 0 | 0 0 | 0 0 |) A | 80% | 4.50 | 30% | 107.3 | 19.3 | 10 | | 14 | 14 |
| 12 21-144 | 3 | Foray 1 Last Lift Detection Foray 2 Initial Lift Detection | 05/12/10 14:52:22 05/12/10 16:38:08 | 00:28:07 | 0 | 1 0 | 0 1 | 0 | 1 0 | 0 0 | 0 0 |) A | 80% 87% | 4.50 5.00 | 30% 30% | 107.3 107.9 | 19.3 19.3 | 10 10 | | 14 14 | 14 |
| 21-144 | . | Foray 2 Last Lift Detection | 05/12/10 16:54:42 | 00:16:34 | 0 | 1 0 | 0 1 | 0 | 1 0 | 0 0 | 0 0 | A | 87% | 5.00 | 30% | 107.9 | 19.3 | 10 | | 14 | 14 |
| 21-144 | 3 | Foray 3 I not Lift Detection | 05/18/10 10:14:15 | 00:43:28 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 0 |) A | 80% 88% | 4.10 4.10 | 30% 30% | 106.1 106.7 | 19.0 19.0 | 10 10 | | 14 14 | 14 14 |
| 21-156 | 1 | Foray 3 Last Lift Detection Foray 1 Initial Lift Detection | 05/18/10 10:57:43 05/11/10 12:20:06 | 00:43:28 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 0 |) A | 82% | 4.10 | 30% | 106.7 | 19.0 | 10 | | 14 | 14 |
| 13 | | Foray 1 Last Lift Detection | 05/11/10 12:29:03 | 00:08:57 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 0 |) A | 82% | 4.40 | 30% | 107.0 | 19.0 | 10 | | 14 | 14 |
| 21-159 14 | 1 | Foray 1 Initial Lift Detection Foray 1 Last Lift Detection | 05/26/10 11:41:02 05/26/10 12:00:54 | 00:19:52 | 0 | 1 0 | 0 1 | 1 | 1 1 | 0 0 | 0 0 |) C | 65% 65% | 4.50 4.50 | 30% 30% | 107.9 107.9 | 19.0 19.0 | 10 10 | 50 50 | 14 14 | 14 14 |
| 54-137 | 1 | Foray 1 Initial Lift Detection | 05/21/10 09:10:50 | | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 0 |) A | 92% | 4.90 | 25% | 108.0 | 19.0 | 10 | 50 | 14 | 14 |
| 15 54-149 | 1 | Foray 1 Last Lift Detection Foray 1 Initial Lift Detection | 05/21/10 12:00:40 05/26/10 12:10:53 | 02:49:50 | 0 | 1 0 | 0 1 | 1 | 1 1 | 1 0 | 0 0 |) C | 60% 65% | 4.60 4.60 | 30% 32% | 108.3 107.6 | 22.0 21.0 | 10 10 | 50 50 | 14 14 | 14 14 |
| 16 | • | Foray 1 Last Lift Detection | 05/26/10 14:24:11 | 02:13:18 | 0 | 1 1 | 1 1 | 1 | 1 1 | 1 0 |) 1 | C | 55% | 4.00 | 36% | 107.2 | 22.5 | 10 | 50 | 14 | 14 |
| 54-151 17 | 1 | Foray 1 Initial Lift Detection Foray 1 Last Lift Detection | 05/16/10 15:46:54 05/16/10 16:14:09 | 00:27:15 | 0 | 1 1 | 1 1 | 1 | 1 1 | 0 0 | 0 0 |) <u>C</u> | 65% 65% | 3.90 3.90 | 40% 40% | 106.9 106.9 | 21.4 21.4 | 10 10 | 50 50 | 14 14 | 14 14 |
| 54-156 | 1 | Foray 1 Initial Lift Detection | 05/29/10 14:34:23 | 00.27.13 | 0 | 1 0 | 0 1 | 1 | 1 1 | 0 0 | 0 0 |) C | 80% | 4.10 | 30% | 108.8 | 20.5 | 10 | 30 | 14 | 14 |
| 18 54-167 | | Foray 1 Last Lift Detection | 05/29/10 15:18:26 | 00:44:03 | 0 | 1 0 | 0 1 | 1 | 1 1 | 0 0 | 0 0 |) C | 80% | 4.10 | 30% | 108.8 107.3 | 20.5 | 10 10 | | 14 14 | 14 |
| 19 | 9 | Foray 1 Initial Lift Detection Foray 1 Last Lift Detection | 05/23/10 07:22:37 05/23/10 08:09:13 | 00:46:36 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 0 |) A) A | 100% 100% | 5.70 5.70 | 20% 20% | 107.3 | 18.3 18.3 | 10 | | 14 | 14 14 |
| 54-167 | 9 | Foray 2 Initial Lift Detection | 05/23/10 15:21:25 | 00.00.00 | 0 | 1 0 | 0 1 | 1 | 1 1 | 0 0 | 0 | C | 70% | 4.40 | 35% | 107.4 | 21.1 | 10 | | 14 | 14 |
| 54-167 | 9 | Foray 2 Last Lift Detection Foray 3 Initial Lift Detection | 05/23/10 15:41:31 05/25/10 14:35:28 | 00:20:06 | 0 | 1 1 | 0 1 | 1 | 1 1 | 1 0 | 0 1 | C | 70% 55% | 4.40 4.40 | 35% 35% | 107.4 108.8 | 21.1 22.9 | 10 10 | 50 | 14 14 | 14 14 |
| | - | Foray 3 Last Lift Detection | 05/25/10 14:46:53 | 00:11:25 | 0 | 1 1 | 1 1 | 1 | 1 1 | 1 0 |) 1 | С | 55% | 4.50 | 35% | 108.7 | 23.0 | 10 | 50 | 14 | 14 |
| 54-167 | 9 | Foray 4 Initial Lift Detection Foray 4 Last Lift Detection | 05/28/10 14:05:46 05/28/10 14:14:09 | 00:08:23 | 0 | 1 0 | 0 1 | 1 | 1 1 | 0 0 | 0 (|) <u>C</u> | 80% 80% | 5.10 5.10 | 30% 30% | 108.0 108.0 | 20.8 | 10 10 | 50 50 | 18 18 | 18 18 |
| 54-167 | 9 | Foray 5 Initial Lift Detection | 05/28/10 15:47:39 | | 0 | 1 0 | 0 1 | 1 | 1 1 | 0 0 | 0 0 | C | 80% | 5.00 | 30% | 108.2 | 20.8 | 10 | 50 | 18 | 18 |
| 54-167 | q | Foray 5 Last Lift Detection Foray 6 Initial Lift Detection | 05/28/10 16:15:37 05/29/10 13:47:42 | 00:27:58 | 0 | 1 1 | 0 1 | 1 | 1 1 | 0 0 | 0 |) C | 60% 80% | 4.60 4.10 | 30% 30% | 108.1 108.8 | 22.5 19.0 | 10 10 | 50 | 18 14 | 18 14 |
| | | Foray 6 Last Lift Detection | 05/29/10 14:03:48 | 00:16:06 | 0 | 1 0 | 0 1 | 1 | 1 1 | 0 0 | 0 0 |) C | 80% | 4.10 | 30% | 108.8 | 20.5 | 10 | | 14 | 14 |
| 54-167 | 9 | Foray 7 Initial Lift Detection Foray 7 Last Lift Detection | 05/31/10 08:05:56 05/31/10 08:09:06 | 00:03:10 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 |) A | 100% 100% | 5.20 5.20 | 20% 20% | 107.4 107.4 | 17.8 17.8 | 10 10 | | 14 14 | 14 14 |
| 54-167 | 9 | Foray 8 Initial Lift Detection | 06/01/10 11:32:26 | 00.03.10 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 0 |) A | 100% | 4.90 | 20% | 107.4 | 17.8 | 10 | | 14 | 14 |
| E4 407 | | Foray 8 Last Lift Detection | 06/01/10 11:35:12 | 00:02:46 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 |) A | 100% | 4.90 | 20% | 107.8 | 17.8 | 10 | | 14 | 14 |
| 54-167 | 9 | Foray 9 Initial Lift Detection Foray 9 Last Lift Detection | 06/01/10 14:15:39 06/01/10 14:18:53 | 00:03:14 | 1 | 1 1 | 1 1 | 1 | 1 1 | 1 0 |) 1) 1 | C | 45% 45% | 4.00 4.00 | 33% 33% | 108.0 108.0 | 22.7 22.7 | 10 10 | 50 50 | 14 14 | 14 14 |
| 54-176 | 2 | Foray 1 Initial Lift Detection | 05/04/10 10:02:40 | | 0 | 1 0 | 0 1 | 1 | 1 0 | 0 0 | 0 |) A | 26% | 4.40 | 30% | 107.4 | 20.0 | 10 | | 14 | 14 |
| 20 54-176 | 2 | Foray 1 Last Lift Detection Foray 2 Initial Lift Detection | 05/04/10 10:22:15 05/14/10 11:16:33 | 00:19:35 | 0 | 0 0 | 0 1 | 1 | 1 0 | 0 0 |) O |) A | 26% 32% | 4.40 2.90 | 30% 30% | 107.4 105.4 | 20.0 | 10 10 | 50 | 14 14 | 14 14 |
| | - | Foray 2 Last Lift Detection | 05/14/10 11:30:32 | 00:13:59 | 0 | 0 0 | 1 1 | 1 | | 0 0 | 0 | C | 73% | 3.80 | 30% | 105.7 | 20.6 | 10 | 50 | 14 | 14 |
| 54-178 21 | 1 | Foray 1 Initial Lift Detection Foray 1 Last Lift Detection | 05/08/10 09:21:56 05/08/10 09:41:58 | 00:20:02 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 |) A | 86% 86% | 4.40 4.40 | 30% 30% | 106.9 106.9 | 19.0 19.0 | 10 10 | | 14 14 | 14 14 |
| 54-186 | 1 | Foray 1 Initial Lift Detection | 05/24/10 10:34:45 | | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 |) A | 100% | 5.60 | 20% | 108.0 | 18.5 | 10 | | 18 | 18 |
| 22 | 4 | Foray 1 Last Lift Detection | 05/24/10 11:00:45 | 00:26:00 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 |) A | 100% | 5.60 | 20% | 108.0 | 18.5 | 10 | | 18 | 18 |
| 54-200-2 23 | 1 | Foray 1 Initial Lift Detection Foray 1 Last Lift Detection | 05/21/10 11:27:50 05/21/10 11:36:00 | 00:08:10 | 0 | 1 0 | 0 1 | 1 | 1 1 | 1 0 | 0 0 |) C | 60% 60% | 4.50 4.50 | 30% 30% | 108.0 108.0 | 22.0 22.0 | 10 10 | 50 50 | 14 14 | 14 14 |
| 54-209 | 1 | Foray 1 Initial Lift Detection | 05/13/10 15:42:00 | 00.00.05 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 0 | A | 94% | 4.90 | 30% | 107.8 | 19.0 | 10 | | 14 | 14 |
| 24 Ent | trance Only 1 | Foray 1 Last Lift Detection Foray 1 Initial Lift Detection | 05/13/10 15:42:05 05/22/10 08:25:37 | 00:00:05 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 |) O |) A | 94% 92% | 4.90 4.80 | 30% 24% | 107.8 106.6 | 19.0 21.0 | 10 10 | 50 | 14 14 | 14 14 |
| | trance Only | Foray 1 Last Lift Detection | 05/22/10 08:25:42 | 00:00:05 | 0 | 1 0 | 0 1 | 0 | 0 0 | 0 0 | 0 |) A | 92% | 4.80 | 24% | 106.6 | 21.0 | 10 | 50 | 14 | 14 |
| | | | | | | | | | | | | | | | | | | | | | |

| | Number of | | | Foray Duration | | | | | Gener | rational Co | nditions | | | | | | | ı | Fishlift Operational Co | nditions | | | Diffuser S | Setting | Spillway Attraction | n FlowSetting |
|--------|-----------------------|--------------------------------|-------------------|----------------|--------|--------|--------|--------|--------|-------------|----------|--------|--------|---------|---------|------------|---------------|---------------|-------------------------|----------------|--------------------|----------|------------|---------|---------------------|---------------|
| Fish | Unsuccessful Foravs | Unsuccessful Foravs | Foray DateTime | hh:mm:ss | Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 7 | Unit 8 | Unit 9 | Unit 10 | Unit 11 | Weir Gate | e Weir % Open | Flow Velocity | Crowder Area Gate % | Pond Level ft. | Tailrace Level ft. | Comments | Α | в | . , A | В |
| 54-197 | 1 | Foray 1 Initial Lift Detection | 05/01/10 17:21:34 | | | 0 1 | 1 1 | 1 1 | | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 40% | | | | | 1 | 10 | 50 | 14 | 14 |
| 1 | | Foray 1 Last Lift Detection | 05/01/10 17:59:21 | 00:37:47 | | 0 1 | 1 1 | 1 1 | • | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 40% | | | | | | 10 | 50 | 14 | 14 |
| 54-202 | 1 | Foray 1 Initial Lift Detection | 05/02/10 18:20:00 | | | 0 1 | 1 1 | 1 1 | _ | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 47% | 3.50 | 35% | 107.4 | 23.0 | | 10 | 50 | 14 | 14 |
| 2 | | Forav 1 Last Lift Detection | 05/02/10 19:24:28 | 01:04:28 | | 0 1 | 1 1 | 1 1 | | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 | | | | | | | | | | |
| 21-135 | 1 | Foray 1 Initial Lift Detection | 05/02/10 18:14:09 | | | 0 1 | 1 1 | 1 1 | | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 47% | 3.50 | 35% | 107.4 | 23.0 | | 10 | 50 | 14 | 14 |
| 3 | | Forav 1 Last Lift Detection | 05/02/10 18:33:43 | 00:19:34 | | 0 1 | 1 1 | 1 1 | • | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 | | | | | | | | | - | |
| 21-121 | 1 | Foray 1 Initial Lift Detection | 05/04/10 08:03:25 | | | 0 1 | 1 (| 0 0 |) - | 1 | 0 | 0 (| 0 | 0 (|) | 0 A | 97% | 4.40 | 30% | 107.1 | 20.0 | | 10 | | 14 | 14 |
| 4 | | Foray 1 Last Lift Detection | 05/04/10 09:13:10 | 01:09:45 | | 0 1 | 1 (| 0 0 |) ' | 1 | 1 | 1 (| 0 | 0 (| 0 | 0 A | 26% | 3.80 | 30% | | | | 10 | | 14 | 14 |
| 21-113 | 1 | Foray 1 Initial Lift Detection | 05/09/10 08:26:12 | | | 0 1 | 1 (| 0 0 |) | 1 | 0 | 0 (| 0 | 0 (| 0 | 0 A | 95% | 5.30 | 25% | 107.0 | 18.0 | | 10 | | 15 | 15 |
| 5 | | Foray 1 Last Lift Detection | 05/09/10 08:34:31 | 00:08:19 | | 0 1 | 1 (| 0 0 |) ' | 1 | 0 | 0 (| 0 | 0 (| 0 | 0 A | 95% | | | | | | 10 | | 15 | 15 |
| 54-208 | 0 | NA | NA | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | previous 1 successful | See "Successes" | See "Successes" | | | | | | | | | | | | | | | | | | | | | | | |
| 54-164 | 3 | Foray 1 Initial Lift Detection | 05/17/10 15:12:38 | | | 0 1 | 1 1 | 1 1 | | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | 3.50 | 25% | 106.9 | 23.5 | | 10 | 50 | 14 | 14 |
| 7 | | Foray 1 Last Lift Detection | 05/17/10 15:14:21 | 00:01:43 | | 0 1 | 1 1 | 1 1 | , | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | 3.50 | 25% | 106.9 | 23.5 | | 10 | 50 | 14 | 14 |
| 54-164 | 3 | Foray 2 Initial Lift Detection | 05/18/10 15:00:06 | | | 1 1 | 1 1 | 1 1 | | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 39% | 3.60 | 30% | 107.1 | 23.5 | | 10 | 50 | 14 | 14 |
| | | Foray 2 Last Lift Detection | 05/18/10 15:27:06 | 00:27:00 | | 1 1 | 1 1 | 1 1 | , | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 39% | 3.60 | 30% | 107.1 | 23.5 | | 10 | 50 | 14 | 14 |
| 54-164 | 3 | Foray 3 Initial Lift Detection | 05/20/10 10:39:21 | | | 0 1 | 1 (| 0 0 | , | 1 | 1 | 1 | 1 | 1 (| 0 | 0 C | 55% | 3.80 | 26% | 107.2 | 22.0 | | 10 | 50 | 14 | 14 |
| | | Foray 3 Last Lift Detection | 05/20/10 11:00:56 | 00:21:35 | | 0 1 | 1 (| 0 0 |) ' | 1 | 1 | 1 | 1 | 1 (| 0 | 0 C | 55% | 3.70 | 26% | 107.2 | 22.0 | | 10 | 50 | 14 | 14 |
| 21-123 | 2 | Foray 1 Initial Lift Detection | 05/15/10 11:21:56 | | | 0 1 | 1 1 | 1 1 | , | 1 | 1 | 1 | 1 | 0 (| 0 | 0 C | 55% | 4.00 | 20% | 107.5 | 22.0 | | 10 | 50 | 14 | 14 |
| 8 | | Foray 1 Last Lift Detection | 05/15/10 12:56:57 | 01:35:01 | | 0 1 | 1 1 | 1 1 | , | 1 | 1 | 1 | 1 | 0 (| 0 | 0 C | 55% | 3.80 | 20% | 107.3 | 22.0 | | 10 | 50 | 14 | 14 |
| 21-123 | 2 | Foray 2 Initial Lift Detection | 05/20/10 17:46:06 | | | 0 1 | 1 (| 0 0 |) ' | 1 | 1 | 0 (| 0 | 0 (| 0 | 0 A | 91% | | | | | | 10 | | 14 | 14 |
| | | Foray 2 Last Lift Detection | 05/20/10 18:04:36 | 00:18:30 | | 0 1 | 1 (| 0 0 |) ' | 1 | 1 | 0 (| 0 | 0 (| 0 | 0 A | 91% | 4.50 | 30% | 107.3 | 19.0 | | | | | |
| 54-169 | 3 | Foray 1 Initial Lift Detection | 05/17/10 13:17:31 | | | 0 1 | 1 1 | 1 1 | , | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | | | | | | 10 | 50 | 14 | 14 |
| 9 | | Foray 1 Last Lift Detection | 05/17/10 13:32:21 | 00:14:50 | | 0 1 | 1 1 | 1 1 | , | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | | 25% | 107.0 | 23.5 | | 10 | 50 | 14 | 14 |
| 54-169 | 3 | Foray 2 Initial Lift Detection | 05/17/10 15:42:06 | | | 0 1 | 1 1 | 1 1 | , | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | | | 106.7 | 23.5 | | 10 | 50 | 14 | 14 |
| | | Foray 2 Last Lift Detection | 05/17/10 15:55:18 | 00:13:12 | | 0 1 | 1 1 | 1 1 | , | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | | 25% | 106.7 | 23.5 | | 10 | 50 | 14 | 14 |
| 54-169 | 3 | Foray 3 Initial Lift Detection | 05/21/10 08:57:34 | | | 0 1 | 1 (| 0 0 |) ′ | 1 | 0 | 0 (| 0 | 0 (| 0 | 0 A | 92% | | | | | | 10 | | 14 | 14 |
| | | Foray 3 Last Lift Detection | 05/21/10 11:12:03 | 02:14:29 | | 0 1 | 1 (| 0 0 |) ' | 1 | 1 | 1 | 1 | 1 (| 0 | 0 C | 60% | | | | | | 10 | 50 | 14 | 14 |
| 54-159 | 1 | Foray 1 Initial Lift Detection | 05/23/10 07:59:50 | | | 0 1 | 1 (| 0 0 |) ′ | 1 | 0 | 0 (| 0 | 0 (| 0 | 0 A | 100% | | | | | | 10 | | 14 | 14 |
| 10 | | Foray 1 Last Lift Detection | 05/23/10 08:07:49 | 00:07:59 | | 0 1 | 1 (| 0 0 |) ′ | 1 | 0 | 0 (| 0 | 0 (| 0 | 0 A | 100% | | | | | | 10 | | 14 | 14 |
| 54-142 | 4 | Foray 1 Initial Lift Detection | 05/16/10 15:33:05 | | | 0 1 | 1 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 0 (| 0 | 0 C | 65% | | | | | | 10 | 50 | 14 | 14 |
| 11 | | Foray 1 Last Lift Detection | 05/16/10 15:49:17 | 00:16:12 | | 0 1 | 1 1 | 1 1 | | 1 | 1 | 1 | 1 | 0 (| 0 | 0 C | 65% | | | | | | 10 | 50 | 14 | 14 |
| 54-142 | 4 | Foray 2 Initial Lift Detection | 05/17/10 09:54:21 | | | 0 1 | 1 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 0 (| 0 | 0 C | 56% | | | | | | 10 | 50 | 14 | 14 |
| | | Foray 2 Last Lift Detection | 05/17/10 10:32:21 | 00:38:00 | | 0 1 | 1 1 | 1 1 | | 1 | 1 | 1 | 1 | 0 (| 0 | 0 C | 57% | | | | | | 10 | 50 | 14 | 14 |
| 54-142 | 4 | Foray 3 Initial Lift Detection | 05/17/10 12:58:15 | | | 0 1 | 1 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | | | | | | 10 | 50 | 14 | 14 |
| | | Foray 3 Last Lift Detection | 05/17/10 13:28:12 | 00:29:57 |] | 0 1 | 1 1 | 1 1 | | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | | | | | | 10 | 50 | 14 | 14 |
| 54-142 | 4 | Foray 4 Initial Lift Detection | 05/17/10 16:40:18 | | | 0 1 | 1 1 | 1 1 | , | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | | | | | | 10 | 50 | 14 | 14 |
| | | Foray 4 Last Lift Detection | 05/17/10 16:41:45 | 00:01:27 | | 0 1 | 1 1 | 1 1 | · | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 C | 42% | | | | | | 10 | 50 | 14 | 14 |
| 21-171 | 1 | Foray 1 Initial Lift Detection | 05/24/10 08:01:09 | · | | 0 1 | 1 (| 0 0 |) | 1 | 0 | 0 | 0 | 0 (| 0 | 0 A | 100% | | | | | l L | 10 | | 18 | 18 |
| 12 | | Foray 1 Last Lift Detection | 05/24/10 08:06:35 | 00:05:26 | | 0 1 | 1 (| 0 0 |) | 1 | 0 | 0 (| 0 | 0 (| 0 | 0 A | 100% | 5.50 | 20% | 108.0 | 18.5 | | 10 | | 18 | 18 |



| | | | | | | | | | | | | | | | | | | | | | | | | | T |
|-----------------|------------------------|--------------------|--------|----------|----------|---------|--------|------------|--------|---------|---------|--------|---------------|----------|-------------|---------------|--------------|-------------|-------------|--------------|----------------|----------------------------|-------------------|-------------|---|
| Gate and Diffus | ser setting are | in percent open ar | nd for | ebay a | nd tailr | ace el | evatio | ons are | in fee | et abov | ve mean | sea le | vel and | d are ta | aken inside | our downstrea | m channel. V | Water temp | erature was | taken in the | morning from t | ne surface of th | e trough. | | |
| | | Generation | | | Smal | I Units | | | ++ | | Large U | nits | | w | eir Gate | Gate | Diffuse | r Setting | Spillwa | y Setting | Crowder | Forebay | Tailrace | Water | |
| Date | Time | (small & large) | 1 | | | | | | | | | 10 | 11 | Α | ВС | | A | В | Α | В | Area Gate | | Elevation | Temp F | |
| 4/1/2009 | 1000-1105 | 6 & 2 2 & 0 | | X | | X) | () | | | Х | Х | | | x | Х | 55 92 | 10 | 50 | 13 | 13 | 25 30 | 105.5 105.5-106.0 | 21.7 17.5-18.0 | 48.7 | |
| 4/2/2009 | 1000-1100 | 6 & 2 | | X | | x 2 | () | | | х | х | | | ^ | X | 92 55 | 3 | 50 | 13 | 13 | 25 | 105.5-106.0 | 21.5 | 50.9 | |
| | 1100-1600 | 2 & 0 | | Х | | | | X | | | | | | Х | | 95 | 10 | | 13 | 13 | 25 | 106.1-107.4 | 17.5-18.0 | | |
| 4/3/2009 | 1015-1105 1105-1205 | 7 & 2 | Х | X | | X) | | | | | Х | Х | | Х | Х | 45 77 | | 50 | 13 | 13 13 | 25 | 105.6 105.7 | 22 | 51.8 | |
| | 1205-1620 | 4 & 0 2 & 0 | | X | | + | () | ^ ^ | | | | | | X | | 97 | 6 5 | | 13 13 | 13 | 25 20 | 105.7 | 17.5 | | |
| 4/6/2009 | 900-1500 | 7 & 4 | | Х | | x 2 | | | | | | Х | х | | Х | 40 | | 50 | 13 | 13 | 15 | 106.3-107.0 | 23.5 | 55.9 | |
| 4/8/2009 | 800-900 | 6 & 3 | | | X | | | | | | X | , | X | | X | 50 | | 50 | 13 | 13 | 25 | 104.8 | 22.8 | 52.7 | |
| 4/10/2009 | 900-1500 810-1500 | 7 & 4 7 & 4 | X | | X | | () | | | X | X | X | X | + | X | 35-50 45 | | 50 50/70 | 13 13 | 13 13 | 25 35/15 | 104.8-105.3 107.9-108.3 | 23.0-23.5 | 50.9 | Crowder screen hoist upper limit failed |
| 4/13/2009 | 900-1115 | 7 & 4 | Х | Х | Х | X) | () | х х | | Х | Х | | х | 1 | х | 38 | | 50 | 13 | 13 | 25 | 106.7-107.1 | 23.5 | 50.0 | Crowder screen hoist lower limit failed. |
| 4/15/2009 | 830-1115 | 7 & 4 | | | Х | | | | | Х | Х | Х | Х | | Х | 40 | | 70 | 13 | 13 | 25 | 106.2-106.5 | 23.5 | 50.0 | |
| | 1115-1215 1215-1615 | 4 & 0 2 & 0 | Х | | | | () | X X | | | | | | X | | 80 98 | 5 | | 13 13 | 13 13 | 25 15 | 106.3-106.4 106.6-107.5 | 19.5 17.5 | | |
| | 1615-1700 | 4 & 0 | | | х | | | X | | | | | | X | | 85 | 3 | | 13 | 13 | 20 | 108.0-108.2 | 19 | | |
| 4/17/2009 | 900-1200 | 7 & 4 | | | Х | X) | | | | Х | Х | Х | Х | | Х | 40 | | 50 | 13 | 13 | 35 | 106.6-106.8 | 23 | 50.9 | |
| 4/19/2009 | 1200-1710 830-1610 | 4 & 0 2 & 0 | X | х | | ٠, | (| X X | | | | | | X | | 82 92 | 10 | | 13 13 | 13 13 | 25 20 | 107.0-108.3 106.7-108.6 | 19 18 | 53.3 | |
| -1012000 | 1610-1700 | 7 & 0 | Х | х | х | x 2 | | х х | | | | | - | x | | 65 | 10 | | 13 | 13 | 25 | 108.4 | 20.5 | | |
| 4/20/2009 | 830-1100 | 7 & 4 | | | Х | X) | () | х х | | Х | Х | Х | Х | | х | 35 | | 50 | 13 | 13 | 25 | 106.4-106.8 | 23.5 | 54.5 | |
| 4/21/2009 | 1100-1715 800-1100 | 6 & 0 7 & 4 | X | l v | X | X) | () | XX | | х | х | х | х | х | х | 70 35 | 10 | 35 | 13 13 | 13 13 | 25 25 | 106.8-107.9 105.6-106.4 | 20 23.5 | 55.0 | |
| 4/21/2009 | 1100-1200 | 7 & 4 | | | X | | | | | ^ | ^ | ^ | ^ | х | | 60 | 15 | 35 | 13 | 13 | 25 25 | 105.6-106.4 | 19.3 | 35.0 | |
| | 1200-1730 | 3 & 0 | Х | | |) | (| Х | | | | | | X | | 80 | 10 | | 13 | 13 | 25 | 107.3-108.0 | 18.5-18.8 | | |
| 4/22/2009 | 830-1215 | 7 & 4 | Х | Х | | | | XX | | | Х | Х | Х | 4 | X | 35 | | 52 | 13 | 13 | 25 | 106.5-106.9 | 23.5 | 56.0 | |
| 4/23/2009 | 1215-1700 800-1100 | 4 & 1 7 & 4 | x | х | | X X | | x x | | X | х | х | х | + | X | 70 35 | H | 52 62 | 13 13 | 13 13 | 25 25 | 106.6-108.1 106.5-106.8 | 20.9-21.0 23.5 | 55.8 | |
| | 1100-1200 | 4 & 2 | Ë | | | X) | () | ХХ | | X | X | | | х | | 55 | 15 | | 13 | 13 | 36 | 106.3 | 20.1 | | |
| | 1200-1600 | 3 & 0 | | | | | | X X | | | | | | X | | 80 | 8 | | 13 | 13 | 25 | 107.1-107.8 | 19 | | |
| | 1600-1700 1700-1800 | 4 & 2 7 & 4 | ¥ | х | | X) | () | | | X | X | ¥ | х | Х | × | 55 35 | 15 | 62 | 13 13 | 13 13 | 36 25 | 107.5 107.7 | 23.5 | | |
| 4/24/2009 | 800-1100 | 7 & 4 | | X | | | | | | | X | | X | 1 | X | 35 | | 62 | | 13 | | 105.4-106.0 | 23.5 | 57.2 | |
| | 1100-1700 | 4 & 0 | Х | | |) | () | X X | | | | | | Х | | 75 | 8 | | 13 | 13 | 30 | 105.8-107.6 | 19.5-19.9 | | |
| 4/25/2009 | 830-1300 1300-1400 | 2 & 0 7 & 1 | v | v | х | | ′ , | | | x | _ | | | X | | 95 | 7 | | 13 | 13 | 18 | 106.4-108.5 108.5 | 18 21 | 59.2 | |
| | 1400-1600 | 7 & 4 | | x | | x 2 | | | | x | х | х | х | <u> </u> | x | 35 | | 57 | 13 | 13 | 31 | 107.6-108.4 | 23.5 | | |
| 4/26/2009 | 815-1330 | 2 & 0 | | | |) | (| Х | | | | | | Х | | 92/100 | 5 | | 13 | 13 | 20 | 106.8-108.1 | 18 | 58.1 | |
| | 1330-1410 1410-1650 | 4 & 1 7 & 4 | v | х | | X) | () | | | X | х | х | х | - | X | 74 36 | | 50 65 | 13 13 | 13 13 | 25 45 | 108 107.6-108.1 | 20 23 | | |
| 4/27/2009 | 830-1115 | 2 & 0 | ^ | ^ | ^ | | ` ' | | | ^ | ^ | ^ | ^ | х | ^ | 90 | 8 | 65 | 13 | 13 | 20 | 107.8-108.1 | 18.2 | 60.8 | |
| | 1115-1225 | 4 & 1 | | | Х | | | х х | | | | | Х | | Х | 75 | 3 | 60 | | 13 | | 108.1-108.2 | 20.8 | | |
| 4/28/2009 | 1225-1700 0815-1430 | 7 & 4 4 & 1 | Х | Х | | X) | () | XX | | Х | | X | Х | | X | 38 65/70 | | 60 50 | 13 13 | 13 13 | 25 35 | 107.1-108.0 | 23.5 | 62.6 | |
| 4/20/2009 | 1430-1800 | 7 & 4 | х | х | | x 3 | | | | х | х | | х | + | x | 38 | | 65 | 13 | 13 | | 107.3-107.7 | 23 | 02.0 | |
| 4/29/2009 | 0830-1210 | 2 & 0 | | | |) | () | х | | | | | | Х | | 86 | 15 | | 13 | 13 | 25 | 107.3-108.6 | 18 | 64.4 | |
| | 1210-1420 1420-1900 | 2 & 2 3 & 4 | | х | | | () | | | X | х | X | х | - | X | 70 50 | - | 40 52 | 13 | 13 13 | 30 30 | 108.7 107.5-108.6 | 21 23 | | |
| 4/30/2009 | 800-1130 | 2 & 3 | - | ^ | | x í | ` ' | ^ x | | | | X | ^ | + | X | 54 | 5 | 53 | 13 | 13 | 32 | 106.3-106.6 | 21.5 | 62.6 | |
| | 1130-1730 | 2 & 0 | | | | х | | | | | | | | Х | | 85 | 8 | | 13 | 13 | 30 | 106.8-108.0 | 18 | | |
| | 1730-1800 | 2 & 2 | | | | X | | | | | X | | | Х | | 70 | 15 | | 13 | 13 | 30 | 108.2 | 19.5 | | |
| 5/1/2009 | 1800-1900 900-925 | 4 & 4 2 & 0 | Х | \vdash | | X X | + | X | + | Х | Х | Х | Х | х | Х | 50 92 | 5 | 41 | 13 | 13 13 | 40 15 | 108.3 107.5 | 23 17 | 64.4 | |
| | 925-1030 | 2 & 2 | L | اللا | | х | 土 | Х | | | х | | | Ĺ | х | 78 | ШĬ | 50 | 13 | 13 | 25 | 107.6 | 19.5 | 24.4 | |
| FIDIOCTT | 1030-1900 | 3 & 4 | | Ш | | Х | Ŧ | X | | Х | Х | Х | Х | Ι., | Х | 52 | - | 50 | 13 | 13 | 40 | 106.8-107.9 | 22 | 0 | |
| 5/2/2009 | 730-1315 1315-1900 | 2 & 0 4 & 1 | + | \vdash | X | ١, | ٠, | X X X | | - | | x | \rightarrow | Х | х | 88 66 | 5 | 30 | 13 | 13 13 | 20 35 | 107.0-107.7 107.0-107.4 | 17 20.5 | 66.2 | |
| 5/3/2009 | 730-1700 | 2 & 0 | | H | | 3 | (| Х | | | | | $=\dagger$ | х | | 92 | 10 | | 13 | 13 | 20 | 106.7-108.6 | 17.0-17.5 | 68.0 | |
| | 1700-1800 | 4 & 1 | | | | X) | | | | | | Х | | | X | 72 | | | 13 | 13 | 35 | 108.9 | 21.5 | | |
| 5/4/2009 | 1800-1900 800-1115 | 4 & 3 2 & 0 | - | \vdash | - | X) | () | X X | | х | Х | X | -+ | Y | х | 50 90 | 10 | 50 | 13 | 13 13 | 35 20 | 108.7 106.4-107.3 | 21.5 | 67.7 | |
| 27-112-000 | 1115-1810 | 4 & 2 | t | | х | | () | | | - | х | х | - | Ť | х | 55 | | 50 | 13 | 13 | 30 | 107.6-107.8 | 21.3-22.0 | 07.7 | |
| | 1810-1915 | 2 & 0 | | | |) | (| Х | | | | | | Х | | 90 | 10 | | 13 | 13 | 20 | 108.1 | 17.3 | | |
| 5/5/2009 | 800-1000 1000-1100 | 2 & 0 4 & 1 | - | \vdash | х | | () | X X | | | | х | -+ | Х | X | 91 75 | 10 | 44 | 13 | 13 13 | 20 35 | 108.0-108.2 108.7 | 18 18.5 | 66.2 | |
| | 1100-1100 | 7 & 4 | х | х | | | | X X | | х | х | | х | † | X | 35 | H | 43 | | 13 | | 108.7 | 23.5 | | |
| 5/6/2009 | 700-915 | 2 & 0 | | | | 3 | (| Х | | | | | | Х | | 92 | 5 | | 13 | 13 | 20 | 107.0-107.3 | 17 | 64.4 | |
| | 915-1015 1015-1730 | 4 & 1 7 & 4 | V | х | | X) | | X X X X | | v | х | X | х | 1 | X | 66 36 | 3 | 30 50 | 13 | 13 13 | 35 45 | 107.3 105.7-107.2 | 20.5 | | |
| 5/7/2009 | 700-800 | 2 & 0 | ^ | ^ | ^ | | (| X | | ^ | ^ | ^ | ^ | х | ^ | 92 | 10 | 30 | 13 | 13 | 20 | 105.7-107.2 | 16 | 64.4 | |
| | 800-900 | 4 & 1 | | | Х | | () | | | | | | | Х | | 75 | 15 | | 13 | 13 | 30 | 107.1 | 20 | | |
| 5/8/2009 | 900-1630 700-815 | 7 & 4 4 & 1 | Х | х | | X) | | X X | | Х | Х | X | х | 1 | X | 33 72 | 1 | 71 50 | 13 | 13 13 | 35 35 | 107.5-107.9 107.2 | 23.5-24.0 | 64.1 | Maintenance came out to fix viewing room gate |
| 370/2009 | 815-1630 | 7 & 4 | Х | х | | | | X X | | х | х | | х | + | X | 40 | + | 50 | | 13 | 35 | 107.2 | 24.2-23.5 | 04.1 | |
| 5/9/2009 | 715-800 | 2 & 0 | | | |) | (| Х | | | | | | х | | 90 | 10 | | 13 | 13 | 20 | 106.8 | 17 | 64.3 | |
| F/40/0000 | 800-1630 | 4 & 1 | L | ы | -T | | () | | | | -T | Х | | 1 | Х | 68 | 1 | 75 | 13 | 13 | 35 | 106.9-108.8 | 21 | 64.4 | |
| 5/10/2009 | 700-845 845-1130 | 2 & 0 4 & 1 | 1 | \vdash | -+ | | () | x x | | | | х | \dashv | Х | x | 92 66 | 5 | 30 | 13 | 13 13 | 20 35 | 108.2 108.5-108.9 | 17 20.5 | 64.4 | |
| | 1130-1715 | 4 & 3 | L | اللا | | x 2 | () | х х | | х | Х | Х | | 上 | Х | 50 | ШŤ | 45 | 13 | 13 | 45 | 108.6-109.1 | 22 | | |
| 5/11/2009 | 730-1615 | 4 & 4 | | | | X) | | | | X | Х | | Х | | X | 50 | | 30 | 13 | 13 | 30 | 107.6-108.5 | 23.0-23.2 | 63.5 | |
| 5/12/2009 | 730-800 800-1645 | 5 & 1 5 & 4 | 1 | \vdash | X | | | X X | | х | | X | х | + | X | 68 45 | +- | 50 75 | 13 | 13 13 | 35 35 | 108.7 107.8-108.7 | 22.5 | 63.5 | |
| 5/13/2009 | | 4 & 1 | | | _ | x 2 | () | X X | | | x | ٠, | _ | † | X | 72 | H | 50 | 13 | 13 | 35 | 108.3 | 21 | 65.3 | |
| | | | | | | | | _ | | _ | _ | | | | _ | | | | _ | | | | | | |

| Gate and Diffus | er setting are | in percent open ar | nd fore | bay a | nd tailra | ce elev | vation | ns are in | n feet a | above i | mean se | ea leve | I and a | re tak | en inside d | our downstream | channel. V | Vater temp | erature was | taken in the | morning from the | e surface of the | he trough. | | |
|--|------------------------------------|--------------------------|--------------|---------|--------------|----------|-----------|-----------|----------|----------|----------|----------|----------|----------|-------------|----------------|------------|------------|-------------|--------------|------------------|----------------------------|-------------------|--------------|--|
| | | Generation | 1 | | Small | Units | | | | La | rge Unit | ts | | Wei | r Gate | Gate | Diffuse | Setting | Spillwa | y Setting | Crowder | Forebay | Tailrace | Water | |
| Date | Time | (small & large) | 1 | 2 | | | | | | | |) 11 | 1 | Α | ВС | Setting | Α | | | В | Area Gate | | | Temp F | |
| 5/14/2009 | 800-1730 730-810 | 4 & 3 4 & 1 | | | | X | | X | | | X | X | | _ | X | 50 68 | - | 45 75 | 13 | 13 | 45 35 | 107.6-108.4 | 22.5-22.6 | 64.4 | |
| 3/14/2009 | 730-810 810-1900 | 4 & 1 4 & 3 | 1 | - | | | | X | | | (X | | + | + | X | 68 50 | + | 75 50 | 13 | 13 | 35 | 108.5 | 22.4-22.5 | 04.4 | |
| 5/15/2009 | 730-815 | 4 & 1 | | |) | X | Х | х | | | Х | | | | X | 68 | 2 | 45 | 13 | 13 | 40 | 109.1 | 22 | 65.2 | |
| | 815-1700 | 4 & 3 | L., | |) | | | Х | Х | (X | (X | | | | х | 55 | 5 | 70 | 13 | 13 | 40 | 108.4-108.9 | 23 | | |
| 5/16/2009 | 700-730 730-1330 | 2 & 0 4 & 1 | X | | | X | х | х | | × | , | | | х | x | 92 68/70 | 10 | 75 | 13 | 13 | 20 30 | 109 108.8-109.0 | 17 20.8 | 66.2 | |
| | 1330-1830 | 4 & 2 | X | | | X | x | X | | | (X | | | | x | 58 | 5 | 75 | 13 | 13 | 30 | 109.0-109.1 | 21.8 | | |
| 5/17/2009 | 700-1300 | 3 & 0 | | | Х | Х | | Х | | | | | | Х | | 84 | 10 | | 13 | 13 | | 108.3-108.9 | 18.9-19.5 | 66.4 | |
| | 1300-1620 1620-1800 | 4 & 2 7 & 4 | v | х | x > | X | | X | | | X | | | | X | 65 35 | | 50 75 | 13 | 13 | 35 35 | 108.6-109.0 107.6-108.3 | 21.5-22.0 | | |
| 5/18/2009 | 730-900 | 4 & 0 | <u> </u> | ^ | | | | x | | | ` ^ | ^ | | х | ^ | 90 | 10 | 75 | 13 | 13 | 20 | 107.0-108.3 | 18 | 66.2 | Hopper door will not open fully |
| | 900-1000 | 4 & 1 | | | | Х | Х | Х | | Х | | | | Х | | 75 | 15 | | 13 | 13 | 20 | 108.2-108.6 | 18 | | 411. |
| | 1000-1515 | 7 & 4 | Х | | | | | | | (X | (X | | | | Х | 35 | 3 | 45 | 13 | 13 | | 107.7-108.4 | 23.5 | | |
| 5/19/2009 | 1515-1700 730-815 | 4 & 1 2 & 0 | | _ | Х | X | | X | | | | X | | х | х | 45 90 | 12 | 45 | 13 | 13 13 | 30 20 | 107.9 107.7 | 22.4 17 | 66.2 | |
| 3/13/2003 | 815-1015 | 4 & 1 | | |) | X | | X | | х | (| | | ^ | х | 70 | 3 | 45 | 13 | 13 | | 108.3-108.4 | 18 | 00.2 | |
| | 1015-1600 | 7 & 4 | | | | | | Х | | | (X | | | | Х | 45 | 3 | 45 | 13 | 13 | | 107.5-108.4 | 23.4-23.5 | | |
| 5/20/2009 5/21/2009 | 800-1600 730- | 7 & 4 2 & 0 | Х | Х | X) | X | Х | X | | (X | (X | X | | х | х | 35 92 | 10 | 75 | 13 | 13 | 40 20 | 106.5-106.8 106.6 | 23.5-23.8 | 66.2 66.2 | Tried to flush trash with maintenance, but filled the hopper (1/2) with debris. |
| 3/21/2009 | 1300-1530 | 7 & 4 | x | х | x > | | | X | | (x | C X | X | | ^ | x | 92 35 | 10 | 75 | 13 | 13 | | 106.6 | 23.5 | 00.2 | Theu to hush trash with maintenance, but filled the nopper (1/2) with debris. |
| 5/22/2009 | 700-800 | 2 & 0 | † ¨ | | | Х | | Х | | | <u> </u> | Ť | | х | | 92 | 10 | | 13 | 13 | 20 | 107.6 | 17 | 68.0 | |
| | 800-900 | 4 & 1 | L | | | | | Х | | | | . L. | | Х | | 75 | 15 | | 13 | 13 | 30 | 107.6 | 21.5 | | |
| - | 900-1605 1605-1630 | 7 & 4 6 & 0 | X | X | | | | X | | (X | (X | X | ₩ | - | X | 35 65 | 5 | 75 70 | 13 | 13 | 30 25 | 107.3 106.3-107.3 | 22 23.0-23.5 | - | |
| 5/23/2009 | 700-1100 | 2 & 0 | | ^ | ^ / | x | _^ | x | | + | - | + | + | х | ^ | 92 | 10 | 70 | 13 | 13 | 20 | 108.5-107.3 | 17.5-17.7 | 68.0 | |
| | 1100-1600 | 7 & 1 | Х | х | x > | X | Х | Х | х | | | | | | х | 58 | 5 | 75 | 13 | 13 | 35 | 108.5-109.2 | 21.8-22.0 | | |
| 5/24/2009 | 730-1100 | 2 & 0 | 1 | \Box | J. | X | | X | | .⊏ | | ┵ | ш | Х | | 92 | 10 | - | 13 | 13 | 20 | 107.6-108.4 | 18 | 69.9 | |
| 5/25/2009 | 1100-1600 730-1205 | 5 & 2 2 & 0 | + | -+ | x > | X | | X | Х | Х | | + | ++ | х | Х | 60 92 | 10 | 60 | 13 | 13 | 40 20 | 108.2-108.4 | 22 17.5 | 71.6 | |
| GIZGIZGGG | 1205-1600 | 4 & 2 | 1 | |) | X | | X | | Х | (X | | | _ | х | 55 | 10 | 50 | 13 | 13 | 30 | 108.4-108.5 | 22 | 71.0 | |
| 5/26/2009 | 730-1000 | 2 & 0 | | | | Х | | Х | | | | | | Х | | 92 | 10 | | 13 | 13 | 20 | 107.5-108.2 | 17 | 73.4 | |
| 5/27/2009 | 1000-1600 715-1005 | 4 & 2 | ļ | | , | X | Х | X | | Х | (X | | | v | х | 55 92 | 10 | 50 | 13 13 | 13 13 | 30 20 | 108.0-108.4 107.7 | 22 17.8 | 70.5 | |
| 3/2//2009 | 1005-1600 | 2 & 0 4 & 1 | | | - 5 | X | x | X | | Х | (| _ | + | х | x | 72 | 10 | 60 | 13 | 13 | 40 | 107.5-107.8 | 20.8 | 72.5 | |
| 5/28/2009 | 700-1000 | 2 & 0 | | |) | | Х | | | | | | | Х | | 92 | 10 | | 13 | 13 | 20 | 107.9-108.2 | 17.7-17.9 | 72.5 | |
| | 1000-1615 | 4 & 2 | | | | | Х | Х | | Х | (X | | | | Х | 53 | 1 | 60 | 13 | 13 | 35 | 108.1-108.6 | 22.0-22.5 | | |
| 5/29/2009 | 730-1000 1000-1120 | 2 & 0 4 & 0 | - | | | : X | | X | | | | | | X | | 85 85 | 10 10 | | 13 | 13 13 | 25 25 | 107.5-107.6 | 18.0-18.1 | 68.6 | Downstream "C" gate tripped while bring up. Maintance came out to fix but could not pin point problem. "see report" |
| | 1120-1600 | 5 & 4 | | | | | x | | | (X | (X | х | | ^ | х | 38 | 10 | 60 | 13 | 13 | 35 | 107.4-107.8 | 23.2-23.5 | | Intelline Centre out to the out could not pill point problem. See report |
| 5/30/2009 | 730-910 | 4 & 1 | | | | X | Х | Х | | Х | (| | | | Х | 68 | | 50 | 13 | 13 | 35 | 108.1-108.3 | 20.5 | 73.4 | Flushed trash, now debris under hopper, hopper dividing screen off bottom but cables slack. |
| 5/04/0000 | 910-1600 645-830 | 7 & 4 | Х | Х | X) | X | | X | | Х | (X | X | | х | х | 36 95 | 5 | 50 | 13 | 13 | | 107.5-108.3 | 23 | 70.0 | |
| 5/31/2009 | 830-1005 | 2 & 0 4 & 0 | | | - | X | | | | | | _ | + | X | | 85 | 10 | | 13 | 13 13 | 20 30 | 107.8-108.3 108.7 | 18 18.5 | 73.6 | |
| | 1005-1600 | 7 & 4 | Х | х | | | | Х | | (X | (X | Х | | | х | 38 | | 60 | 13 | 13 | | 107.8-108.8 | 23 | | |
| 6/1/2009 | 715-1015 | 4 & 0 | | | | X | Х | Х | | | | | | Х | | 92 | 10 | | 13 | 13 | 20 | 107.6 | 17 | 68.2 | "C" gate tripped while raising, Ops assisted. "see report" |
| 6/2/2009 | 1015-1600 715-1005 | 7 & 4 3 & 0 | Х | | X > | | | Х | Х | Х | (X | . х | | х | х | 35 91 | 7 10 | 35 | 13 | 13 | 35 20 | 106.5-107.3 | 23.5 17 | 70.9 | |
| 0/2/2003 | 1005-1130 | 4 & 1 | | | x > | | | х | х | | | | \dashv | ^ | х | 30 | 7 | 43 | 13 | 13 | 33 | 108.1 | 23 | 70.5 | |
| | 1130-1600 | 7 & 4 | Х | Х | X > | X | Х | Х | Х | (X | (X | X | | | Х | 30 | 7 | 43 | 13 | 13 | 33 | 107.5-107.8 | 23.5 | | Hopper will not rise, replaced upper limit switch. |
| 6/3/2009 | 800-1000 | 1 & 0 | | Х | | | | 1 | Ш. | | | | | Х | | 96 | 6 | | 13 | 13 | 20 | 106.3 | 16.5 | 69.9 | |
| - | 1000-1100 | 4 & 1 7 & 2 | x | X | | . x | У | X | | : X | | + | ++ | - | X | 65 38 | 6 | 50 50 | 13 | 13 | 40 42 | 106.7 107.1 | 21.5 | | While lowering "C" gate, guage moving, wheels turning, but gate not. Bent west stem. Out of service. "see report". Tripped "A" gate. |
| 6/4/2009 | 730-905 | 1 & 0 | | x | ~ <i>'</i> | +^ | +^ | TÎ | H-^ | + | - | + | \dashv | х | - ^ | 98 | 8 | | 13 | 13 | 20 | 108.0-108.2 | 16.5 | 70.2 | and a second sec |
| | 905-930 | 4 & 1 | | | | | | Х | | | | | | Х | | 70 | 15 | | 13 | 13 | 30 | 108.2-108.4 | 20.5 | | |
| - | 930-1115 | 4 & 1 6 & 3 | | | X) | | + | | X | | (X | - | ++ | - | X | #70 #70 | 20 | 60 100 | 13 | 13 13 | 30 55 | 108.2 107.7-108.2 | 20.5 | - | |
| 6/5/2009 | 730-1110 | 1 & 0 | <u> </u> | X | ^ ' | +^ | + | 1 | ⊢-^ | +^ | . ^ | + | \pm | х | ^ | 96 | 8 | 100 | 13 | 13 | 20 | 107.7-108.2 | 17.5 | 68.9 | |
| | 1110-1500 | 6 & 2 | | | X > | X | Х | Х | × | С | (| ᆂ | | | х | #70 | 10 | 50 | 13 | 13 | 30 | 107.3-108.0 | 20.5 | | |
| #70 is whore the | downstree * | C* goto io cittiofr- | or the | Tool C | om bo | Maa - | l ot ot o | lo to e | L | thos C/C | /2000 | don it : | waa tak | an a: | of consic : | | | | | | | | | | |
| #10 IS where the | uownstream 1 | C* gate is sitting after | er the v | vest st | ein bent | . vvas n | iot abi | | ove it a | ner 6/3/ | /2009, W | men it v | vas tak | en out | oi service. | 1 | 1 | - | H | | + + | | | | |
| | | | L | | | ᆂ | L | | 世 | ᆂ | | ᆂ | ▆ | | | | 1 | | | | | | | | |
| 4/16/2008 | 1000-1130 | 7 & 4 | Х | Х | X) | X | Х | Х | | X | (X | X | | I | X | 35 | | 60 | 13 | 13 | 46 | 106.9-107.5 | 23 | 57.8 | |
| | 1130-1315 1315-1715 | 4 & 0 4 & 0 | 1 | -+ | | | | X | | + | - | - | + | х | х | 75 80 | 15 | 40 | 13 | 13 | | 108.1-108.2 108.2-108.8 | 21 21 | | |
| 4/17/2008 | 930-1100 | 7 & 4 | х | х | | | X | X | | x x | c x | х | | ^ | х | 33 | 10 | 50 | 13 | 13 | 45 | 106.8-107.2 | 23 | 57.6 | |
| | 1100-1530 | 4 & 0 | | |) | X | Х | Х | | | | | | х | | 75 | 15 | | 13 | 13 | 45 | 107.2-108.1 | 21 | | |
| 4/40/2000 | 1530-1720 | 4 & 0 | ١. | Ų. | | X | | | Η. | , - | , | | | Х | — | 75 | 15 | 60 | 13 | 13 | | 108.3-108.5 | 21 | 60.0 | Droversky feiled at high point page trough hopey will |
| 4/18/2008 | 915-1100 1100-1715 | 7 & 4 4 & 0 | X | | X > | X | | | х | (X | X | Х | | х | X | 30 75 | 20 | 60 | 13 13 | 13 13 | 50 45 | 105.6-105.8 105.7-107.2 | 23 20.5-21.0 | 60.0 | Proxprobe failed at high point near trough, hopper will not rise. |
| 4/19/2008 | 900-1115 | 4 & 3 | 1 | | x > | | | | х | x x | C X | | + | - | х | 45 | | 50 | 13 | 13 | | 105.8-106.1 | 22 | 59.4 | |
| | 1115-1210 | 4 & 0 | | | X > | | | | | | | | | Х | | 75 | 15 | | 13 | 13 | 45 | 106 | 20 | | |
| 4/20/2008 | 1210-1810 730-1415 | 2 & 0 2 & 0 | 1 | [| - - | | X | | Ш. | _ | _ | | | X | $ \!$ | 82 88 | 15 15 | | 13 | 13 | | 106.4-107.8 108.2-109.0 | 19 19 | 60 | |
| 4/20/2008 | /30-1415 1415-1650 | 2 & 0 4 & 1 | 1 | - | x > | X | X | ++ | \vdash | × | (| + | + | Х | x | 70 | 15 | 45 | 13 | 13 | 45 | 108.2-109.0 | 19 21 | υU | |
| 4/21/2008 | 800-1500 | 4 & 3 | | | | X | Х | | х | <u> </u> | (X | | ▆ | | X | 54 | 1 | 50 | 13 | 13 | 38 | 106.8-107.1 | 22.4-23.0 | 62.6 | During 2nd lift, hopper brakes slipped causing hopper to free fall |
| | 1500-1615 | 2 & 0 | | \Box | | | Х | \Box | | | | | ш | Х | | 88 | 16 | | 13 | 13 | 43 | 106.9 | 19.3 | | Crowder stuck in forward position, day done. |
| 4/22/2008 4/23/2008 | 1025-1645 745-1545 | 4 & 3 4 & 3 | 1 | | X) | X | | | X | X | X | | | \dashv | X | 54 | 1 | 84 | 13 | 13 13 | 40 | 108.0-108.5 107.1-108.0 | 22.1-22.5 | 62.6 64.3 | Telemetry study done. Crowder screen hoist limit switch failed. |
| | | 4 & 3 | 1 | | X > | | | | ⊢-^ | | X | | : ++ | \dashv | X | 40 | 1 | 91 | 13 | 13 | | 107.1-108.0 | 22.9 | 65.3 | Oromadi scredi monsi mini SWRCH Idilea. |
| 4/24/2008 | 735-1000 | | | - 1 | | | | | | | | | | | | | | | | | | | | | |
| | 735-1000 1000-1115 1115-1300 | 4 & 0 2 & 0 | | | x > | X | | | | | | | | X | | 75 88 | 15 15 | | 13 13 | 13 13 | 45 45 | 105.5-105.7 106.3 | 19.4-19.9 18.1 | | |

| Gate and Diffus | ser setting are | in percent open a | nd for | ebay a | nd tail | race el | evatio | ons are in | n feet a | bove m | nean sea | a level a | and are | taken | inside o | ur downstream | channel. V | Nater temp | erature was | taken in the | morning from the | he surface of th | ne trough. | | |
|--|------------------------|-------------------|--------|--------------|---------------|-----------|--------------|------------|----------|--------|----------|-----------|---------|----------|----------|---------------|------------|------------|-------------|--------------|------------------|----------------------------|------------------------|--------|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Generation | | | | III Units | | | | Larg | ge Units | 5 | | Weir (| | Gate | Diffuse | r Setting | Spillwa | y Setting | Crowder | Forebay | Tailrace | Water | |
| Date | Time | (small & large) | 1 | 2 | | | | 6 7 | 8 | 9 | 10 | 11 | | | С | Setting | | В | | В | Area Gate | | Elevation | Temp F | |
| | 1300-1405 | 4 & 0 | | | | X) | | | | | | |) | (| | 75 | 15 | | 13 | 13 | 45 | 106.6 | 19.5 | | |
| | 1405-1800 | 7 & 4 | Х | Х | | X) | | | Х | Х | Х | Х | | | Х | 26 | | 91 | 13 | 13 | | 106.3-106.9 | 23.6 | | Telemetry study. |
| 4/25/2008 | 715-1130 | 4 & 0 | | | | X) | | | | | | | , | (| | 75 | 15 | | 13 | 13 | 45 | 107.8-108.0 | 19.5-19.8 | 65.3 | |
| | 1130-1155 1155-1405 | 4 & 0 | | | | X) | | | | | | | | | Х | 75 | | 70 | | 13 | 45 | 108.2 | 20 | | |
| | | 4 & 3 | | | | X) | | | | | X | | | _ | X | 45 | | 55 | 13 | 13 | 45 | 108.2-108.4 | 23 | | |
| 4/00/0000 | 1405-1600 750-1105 | 7 & 4 4 & 1 | X | Х | X | X X | X / | x x | х | | Х | X | ++ | _ | X | 35 | | 55 50 | 13 | 13 | 45 | 108.3 106.6-107.6 | 23.5 21 | 00.0 | |
| 4/26/2008 | 1105-1530 | 2 & 0 | - | | ^ | | x / | | | Х | | _ | Η, | , | х | 62 84 | 15 | 50 | 13 | 13 | 45 45 | 106.6-107.6 | 18.5 | 66.2 | |
| - | 1530-1610 | 4 & 1 | + | | х | X 2 | | | | Х | | + | ++- | ` | x | 62 | 15 | 50 | 13 | 13 | 45 | 107.3-106.7 | 21 | | Slack in hopper cable and air leaking. |
| 4/27/2008 | NO FISHING | | Y BEC | | | Z LINE | IFΔK | AND ST | FFI PI | | | INF SH | IIEVE (| CHANN | | G REPLACED B | Y DIVERS | 30 | 13 | 13 | 45 | 103.1 | 21 | 65.3 | Stack in hopper cable and an leaking. |
| | | WAS DONE TODAY | | | | | | | | | | | | | | | | | | | - | | | 66.6 | |
| | | CK FOR AIR LINE F | | | | | | | | | | 1 | T | 1 | | T | 1 | | | | † | | | | |
| 4/29/2008 | | 7 & 4 | | | | | | х х | | | | х | + | \top | Х | | | | 13 | 13 | | 104.9-105.6 | 22.5-22.6 | 64.4 | |
| | 1155-1400 | 6 & 4 | | | | X) | | | | | Х | | | \top | х | | | | 13 | 13 | | 104.9 | 23 | | |
| | AT 1210 SHIE | VE BLOCK FOR A | | | | | | | | | | | | TANC | | LOWER HOPP | ER MANUA | ALLY. HOP | PER BRAKE | S STILL AN I | SSUE. | | | | |
| | 830-1600 | 6 & 4 | | | | X 2 | | X | Х | Х | Х | | | | Х | 35 | | 70 | | 13 | | 106.1-107.0 | 23.0-23.6 | 62.6 | |
| 5/1/2008 | 0730-1130 | 6 & 4 | Х | Х | Х | X) | X) | X | X | Х | Х | х | | | Х | 33 | | 50 | 13 | 13 | 35 | 106.4-106.5 | 23.3-23.5 | 62.5 | |
| | 1130-1530 | 6 & 4 | | | | X 2 | | X | Х | Х | Х | | | | Х | 42 | | 50 | 13 | 13 | | 106.7-106.8 | 23.1-23.3 | | |
| 5/2/2008 | 730-1115 | 7 & 4 | Х | X | Х | X) | () | x x | X | Х | Х | | | | Х | 35 | | 50 | | 13 | | 106.3-106.8 | 23.3-23.5 | 60 | |
| | 1115-1415 | 4 & 1 | | | | | | х х | | | | Х | | | Х | 70 | | 50 | 13 | 13 | 40 | 106.5-107.2 | 20.9-21.0 | | |
| | 1415-1530 | 7 & 4 | X | X | X | X X | X > | x x | | | | Х | | | Х | 35 | | 50 | 13 | 13 | 40 | 107.7 | 21 | | |
| 5/3/2008 | 730-1000 | 7 & 4 | X | Х | Х | X) | X > | x x | X | | | Х | | | Х | 38 | | 40 | | 13 | 40 | 105.0-105.9 | 23.2-23.3 | 60.7 | |
| | 1000-1115 | 4 & 1 | | $oxed{\Box}$ | | X 7 | x > | x x | | Х | | | ШΞ | _1_ | Х | 68 | | 40 | 13 | 13 | 40 | 105.2 | 18.7-20.4 | | |
| | 1115-1630 | 2 & 0 | | oxdot | | 1 | X | X | | | | |) | | | 88 | 10 | | 13 | 13 | 38 | 105.6-107.5 | 17.0-17.6 | | |
| | 1630-1705 | 4 & 1 | | Ш | | | | х х | | | | 1 | 1 2 | | \perp | | | | 13 | 13 | 38 | 107.4 | 23.5 | | |
| 5/4/2008 | 835-1210 | 2 & 0 | 1 | \sqcup | | | X | X | | 4. | . | 4 |) | • | | 90 | 4 | | 13 | 13 | 25 | 108.0-108.7 | 17 | 61.7 | Telemetry study. |
| | 1210-1610 | 4 & 2 | ١ | ⊢. l | | X) | x) | x x | Н. | X | X | ٠ | ₩. | | X | 55 | - | | 13 | 13 | 40 | 108.9-109.1 | 22 | | |
| 5/5/2008 | 830-1615 | 7 & 4 | | Х | | | | X X | | | | | | | X | 32 | - | 52 | | 13 | | 107.3-107.5 | 23.4-23.6 | 60.8 | Telemetry study. |
| 5/6/2008 | 730-1545 | 7 & 4 | Х | Х | | | | x x | | X | | | ++- | - | X | 32 | - | 50 | | 13 | | 106.3-106.9 | 23.0-23.2 | 61.7 | Crowder starting to stick on return trip |
| 5/7/2008 | 730-810 | 4 & 1 | v | | | | | x x | | | X | | ++- | - | X | 68 | - | 45 | | 13 | 38 | 107.1 | 23 | 62.6 | Association that the second section is a second section of the section of the second section of the s |
| | 810-1550 | 7 & 4 | Х | Х | | | | x x | | Х | Х | Х | | _ | Х | 35 | _ | 45 | 13 | 13 | | 105.7-106.7 | 23.4-23.6 | | Crowder roller wheels are coming loose. |
| 5/8/2008 | 700-810 | 4 & 0 | _ | | | | | x x | | | | |) | (| | 68 | 5 | | 13 | 13 | 38 | 107 | 19.6 | 66.2 | |
| | 810-1020 1020-1720 | 4 & 4 7 & 4 | v | х | | X) | | | X | | X | X | | _ | X | 43 36 | | 50 50 | 13 13 | 13 | 38 | 106.8-106.9 105.5-106.7 | 22.9-23.0 23.5-23.6 | | Total and the state of the stat |
| | 1720-1720 | 4 & 3 | ^ | | | | | XX | | | | | ++ | _ | X | 48 | | 50 | 13 | 13 | 38 38 | 105.5-106.7 | 23.5-23.6 | | Telemetry study. |
| 5/9/2008 | 805-1100 | 4 & 2 | - | | | X | ` (| XX | | · · | X | | ++ | _ | X | 48 51 | | 50 | 13 | 13 | | 106.9-107.0 | 21.5 | 66.4 | Telemetry study. |
| 3/9/2006 | 1100-1630 | 4 & 4 | + | | | X | | | х | | x | | ++- | + | X | 42 | | 45 | | 13 | | 107.2-107.4 | 22.6-23.0 | 00.4 | Telefinetry study. |
| 5/10/2008 | 800-820 | 4 & 1 | + | | ^ | X 2 | | | | x | | - | ++- | + | x | 45 | | 40 | 13 | 13 | 38 | 107.2-107.4 | 22.4 | 64.4 | "C" gate breaker tripped |
| 3/10/2000 | 820-1325 | 4 & 3 | + | | - | x 2 | | | | | | _ | + | + | X | 38 | | 40 | 13 | 13 | | 105.8-106.0 | 22.6-23.0 | 04.4 | Diffuser "A" boil is really boiling |
| | 1325-1810 | 4 & 0 | + | | - | | | x x | ^ | _ ^ | ^ | + | ٠, | , | ^ | 76 | 4 | 40 | 13 | 13 | | 106.0-107.0 | 19.8 | | Diffuser A boil is really boiling |
| 5/11/2008 | 700-1310 | 2 & 0 | | | | | x / | | | | | + | | | | 90 | 4 | | 13 | 13 | | 107.1-109.0 | 17.5 | 64.3 | |
| 3/11/2000 | 1310-1555 | 4 & 1 | | | | x 2 | | | | х | | + | ++- | ` | х | 71 | - | 50 | | 13 | | 109.0-109.1 | 21 | 04.5 | |
| | 1555-1620 | 4 & 2 | + | | -+ | | x > | | | | х | | + | + | x | 50 | | 50 | 13 | 13 | 40 | 109.3 | 22 | | |
| 5/12/2008 | 730-1507 | 7 & 4 | x | х | х | | | x x | | | X | | ++- | + | X | 37 | | 50 | 13 | 13 | 40 | 106.5-106.7 | 23.5 | 64.4 | |
| GILLIZOGO | 1507-1540 | 4 & 4 | +^ | | ^ | X X | | | X | | | | | + | X | 42 | | 50 | 13 | 13 | 40 | 106.5 | 22.5 | 04.4 | |
| 5/13/2008 | 745-1523 | 7 & 4 | x | х | х | | | x x | | | X | | | + | X | 33 | | 50 | | 13 | | 106.9-107.5 | 23.5-23.6 | 62.6 | |
| 5/14/2008 | 730-1515 | 7 & 4 | Х | Х | х | x 2 | x > | х х | х | Х | Х | | | \top | х | 36 | | 50 | 13 | 13 | | 105.8-106.1 | 23.4-23.6 | 60.8 | |
| 5/15/2008 | 730-1525 | 7 & 4 | Х | Х | Х | x > | x > | х х | Х | Х | Х | | + | \top | Х | 33 | | 40 | 13 | 13 | | 106.7-107.0 | 23.5-23.7 | 60.7 | |
| 5/16/2008 | 800-1325 | 7 & 4 | Х | Х | Х | X 2 | x > | х х | х | Х | х | х | T | | Х | 35 | | 50 | 13 | 13 | 50 | 106.3-106.5 | 23.4-23.5 | 61.7 | |
| | 1325-1430 | 4 & 1 | | | | X) | x > | х х | Х | 1 | | |) | (| Х | 50-62 | 10 | 20 | 17 | 17 | 40 | 106.8 | 20.5 | | Tried to fish both gates. |
| | 1430-1530 | 4 & 1 | | | | X 2 | X > | X X | X | | | |) | (| | 70 | 10 | 40 | 16 | 16 | 40 | 106.9 | 20.5 | | |
| 5/17/2008 | 750-835 | 4 & 1 | | | | X) | x > | х х | Х | | | | TT | | х | 68 | | 48 | | 13 | 40 | 108.5 | 20.6 | 62.3 | |
| | 835-1530 | 7 & 4 | Х | Х | | X X | () | x x | Х | | X | Х | | | Х | 37 | | 54 | | 13 | | 107.1-108.0 | 23.4-23.6 | | |
| 5/18/2008 | 645-1000 | 2 & 0 | | | | - 2 | X | Х | | | | |) | | | 90 | 10 | | 13 | 13 | 38 | 106.7-108.1 | 17 | 62.8 | |
| | 1000-1100 | 2 & 0 | | $oxed{\Box}$ | | | X | Х | | 1 | | |) | (| | 92 | 12 | | 13 | 13 | 26 | 108.3 | 22.9 | | |
| | 1100-1545 | 4 & 4 | | $oxed{\Box}$ | | X) | | | | | | | | 45 | Х | 44 | | 50 | 13 | 13 | 38 | 108.6-108.8 | 23 | | |
| 5/19/2008 | 730-1035 | 7 & 4 | Х | Х | Х | X) | () | x x | Х | Х | Х | | | _ | Х | 45 | | 45 | 13 | 13 | | 106.8-107.0 | 23.4 | 61 | |
| | 1035-1200 | 7 & 4 | Х | X | Х | X) | x > | x x | X | X | Х | | | _ | Х | 35 | | 45 | | 13 | | 106.9-107.4 | 23.3-23.4 | | |
| | 1200-1515 | 7 & 4 | | | | | | X X | | | X | | | _ | X | 48 | | 45 | 13 | 13 | 38 | 107.3-107.9 | 23.2 | | |
| 5/20/2008 | 735-1555 | 7 & 4 | | | | | | x x | | | X | | ₩. | | X | 34 | - | 50 | 13 | 13 | | 105.5-106.5 | 23 | 59.3 | Media day, Channel 11 news |
| 5/21/2008 | 740-1150 | 7 & 4 | X | X | X | X) | ,) | ХХ | X | X | X | | ₩. | | X | 36 | — | 50 | 13 | 13 | 50 | 107.3-107.8 | 23.6 | 59.4 | |
| F (00 (0000 | 1150-1515 | 7 & 4 | | | | | | ХХ | | | X | | | | X | 36 | 5 | 50 | 13 | 13 | 50 40 | 108.1-108.5 | 23.6 | - 50 | |
| 5/22/2008 | 740-1200 | 7 & 4 | | | | | | x x | | | | | | 4 | X | 32 | | 50 | 13 | 13 | | 106.5-107.0 | 23.8 | 59 | |
| F (00 (5 | 1200-1530 | 7 & 4 | X | X | X | X) | x) | XX | X | X | X | X | | - | X | 30 | - | 50 | | 13 | | 106.8-107.6 | 23.9 | | Air line to hopper door came detached , maintenance fix problem |
| 5/23/2008 | 730-1110 | 7 & 4 | X | Х | X | X) | <u>, ;</u> | X X X X | X | X | X | X | | + | X | 32 52 | 1 | 50 | 13 | 13 | 55 | 106.0-106.3 | 23.5 | 57.2 | |
| E/04/0000 | 1110-1530 | 4 & 3 | 1 | \vdash | \rightarrow | X) | <u>, ;</u> | x x | X | - | X | Х | ++- | + | X | | 1 | 50 | 13 | 13 | | 106.6-107.6 | | 50 | |
| 5/24/2008 | 745-830 830-945 | 4 & 3 4 & 2 | 1 | \vdash | -+ | X | | | | | | + | + | + | X | 53 59 | 1 | 50 50 | 13 | 13 13 | 45 45 | 107 106.7 | 22.4 21.8 | 59 | |
| | 945-1145 | 4 & 2 | + | \vdash | \rightarrow | | | X X | Х | X | | + | + | + | X | 63 | + | 50 | 13 | 13 | 45 45 | 106.7 | 21.8 | | |
| | 1145-1245 | 4 & 1 | +- | \vdash | | | | X X | | X | | + | + | + | X | 70 | 1 | 50 | 13 | 13 | 45 | 107.1-107.5 | 20.9 | | |
| | 1245-1440 | 4 & 1 | + | \vdash | \rightarrow | | | X X | | X | | + | + | + | X | 74 | + | 50 | 13 | 13 | 45 | 107.9 | 20.9 | | |
| | 1440-1530 | 4 & 1 | + | \vdash | \rightarrow | X 2 | | | | | | + | + | + | X | 74 59 | + | 50 | 13 | 13 | 45 | 108.3-108.6 | 20.8 | | |
| 5/25/2008 | 700-1025 | 2 & 0 | +- | ++ | -+ | | x / | | | +^ | +^ | + | ٠, | | +^+ | 92 | 15 | 30 | 13 | 13 | 25 | 107.6-108.0 | 17 | 60 | |
| | 1025-1310 | 4 & 1 | + | \vdash | \rightarrow | X X | | | | +- | - | + | ++' | - | х | 75 | | 50 | 13 | 13 | 45 | 108.4-108.7 | 20.5 | - 00 | |
| | 1310-1700 | 484 | + | \vdash | \rightarrow | X) | | x x | | | x | x | + | + | X | 47 | + | 50 | 13 | 13 | 50 | 108.5-108.7 | 22.5 | 1 | |
| 5/26/2008 | 700-1615 | 4 & 0 | 1 | \vdash | | | | x x | | +^ | +^ | +^ | ٠, | | +^+ | 78 | 15 | | 13 | 13 | | 107.4-108.7 | 19 | 62.6 | Telemetry study. |
| 5/27/2008 | 800-900 | 2 & 0 | 1 | \vdash | -+ | | x / | X | | + | + | + | + 1 | | + | 88 | 12 | 1 | 13 | 13 | 40 | 108 | 20 | 65.3 | Telemetry study. |
| | 900-1120 | 4 & 1 | | \vdash | - | -+1 | + | 1 | 1 | | - | + | ++ | \dashv | х | 72 | | 50 | 13 | 13 | 50 | 108.4 | 20.5 | 25.0 | |
| | 1120-1520 | 7 & 4 | х | х | х | x 3 | x > | х х | х | х | х | х | + | \dashv | x | 36 | 1 | 50 | | 13 | | 108.3-108.5 | 23.0-23.6 | | |
| 5/28/2008 | 730-915 | 0 & 1 | _ | 1 | | - + ' | +ŕ | 1 | H^ | X | | +^ | + | \dashv | x | 94 | 1 | 50 | 13 | 13 | 38 | 107.4-107.6 | 19.4-19.6 | 64.4 | |
| | 915-1015 | 2 & 1 | 1 | H | х | | | х | H | X | | 1 | + | \top | X | 85 | | 50 | 13 | 13 | 38 | 107.6 | 19.4 | | |
| | 1015-1345 | 6 & 2 | | | | X) | x > | x x | | | Х | | | | X | 57 | | 50 | | 13 | | 107.7-107.8 | 22.8 | 1 | |
| | 1345-1430 | 6 & 2 | | х | х | X 2 | x) | x x | | X | X | | + | 1 | X | 57 | | 40 | | 13 | 38 | 107.8 | 22.8 | | |
| | | | • | | | | | | | | | | | | | | | | | | | | | | · |

| 1960-1205 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------|----------------|--------------------|----------|----------|----------|---------|--------|---------|----------|---------|----------|---------|---------|---------|-------------|----------------|--------------|--|-------------|--------------|----------------|------------------|-----------|----------|--|
| The field of the content of the cont | Gate and Diffus | er setting are | in percent open an | nd for | ebay a | nd tailr | ace ele | evatio | ons are | in fe | et abov | ve mean | sea le | evel an | d are t | aken inside | our downstrear | m channel. V | Vater temp | erature was | taken in the | morning from t | ne surface of th | e trough. | | |
| . 18. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | | | | | | Smal | Units | | | ++ | | Large U | nits | | w | eir Gate | Gate | Diffuse | r Setting | Spillwa | y Setting | Crowder | Forebay | Tailrace | Water | |
| 98990 | Date | | | 1 | 2 | | | | | | 8 | | | 11 | Α | ВС | | A | | | | | | | Temp F | |
| Mathematical Control | F (00 (0000 | | | ļ | | х | х | () | x x | | | | х | | | X | | | | | | | | | 00 | |
| Property 1.5 | 5/29/2008 | | | | \vdash | - | - | | y y | + | | | | - | + | | | | | | | | | | 68 | Maintenance came out to fix broken cable on air line schieve block |
| 9000 9000 91 | | | | х | | | | | | | | | х | Х | 1 | | | | 40 | 13 | | 50 | | | | maintenance came out to be protein easier on all line content protein. |
| Mathematical Control | | | | Х | Х | Х | х х | () | x x | | | Х | Х | X | | | | | | | | | | | | |
| Martine Mart | 5/30/2008 | | | | | | | , , | | | | v | v | | | | 95 | | | | | | | | 68.9 | Maintenance came out to replace guide cable to air line schieve block. |
| 9000 1.70 | | | | x | x | x | XX | | X X | ++ | | | | x | | | | | | | | | | | | Telemetry study |
| Mary State | 5/31/2008 | 715-1050 | 2 & 0 | 1 | Ť | | | | | | | | | | х | | 92 | 15 | | | | | | | 70.4 | |
| Column | | | | | | | | | | | Х | | | | Х | | | 15 | | | | | | | | |
| \$\frac{\chick{\chi}\chi | | | | | | | | | | | | | | v | + | | | | | | | | | | | |
| Control 1.5 | 6/1/2008 | | | - | | | | | ^ | ++ | ^ | ^ | ^ | ^ | х | ^ | | 10 | 40 | | | | | | 71.6 | |
| 98.000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5000 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| March Marc | 6/2/2008 | | | | \vdash | - | | | X X | ++ | X | | | - | | | | 10 | | | | 30 25 | | 20.2 | 73.4 | |
| Mindress | G/2/2000 | | | 1 | | | | | х х | 11 | х | | | - | | | | | | | | | | | 10.4 | |
| 1965 1966 1967 1968 1969 | | | | | | | | | x x | | Х | Х | Х | X | | Х | 46 | | 45 | 13 | | 45 | | | | |
| Mile | 6/3/2008 | | | - | + | _ | | | , | - | | _ | | | | | | | | | | | | | 74.8 | |
| Ministrate Min | | | | \vdash | ++ | | | | | + | - | | - | | | | | | | | | | | | | |
| 1960 1961 1962 1964 19 | | 1400-1530 | 4 & 4 | L | 口 | Х | X X | () | x | # | х | х | х | х | | х | 45 | | 45 | 13 | 13 | 45 | 108.2 | 23 | | |
| 100-0010 | 6/4/2008 | | | | | | | | | П | | | | | | | | | | | | | | | 75.4 | Tripped "A" diffuser breaker |
| 19-10-10 | - | | | 1 | \vdash | -+ | x X | + | XX | ++ | | - | | | | \vdash | | 10 | | | | | | | | |
| 5000 75-110 14 | | | | H | + | | | | | | х | х | х | х | Ť | х | | | 40 | | | | | | | |
| 150-1006 | 6/5/2008 | | 1 & 0 | | | | Х | (| | | | | | | | | 98 | 8 | | 13 | | 20 | | 16.5 | 76.1 | |
| Property | | | | - | | | | | | | | Ų. | Ų. | | Х | | | | 40 | | | | | | | Dahris under grounder geroop heist gehin wegt glock |
| Part Part Province of the Province of th | 6/6/2008 | | | 1 | X | -+ | | | ^ | + | | ^ | | | x | X | | | 40 | | | | | | 76 | Debits utider Growder screen noist, cable went stack. |
| 4469907 600-1980 | 0.0.2000 | | | after | that ho | pper wo | | | lower. | No lift: | s done | today ar | nd sea: | | | | 50 | - | | 10 | 10 | 20 | 107.0 | 10.0 | - 70 | |
| 4469907 600-1980 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4469907 600-1980 | 4/22/2007 | 1100 1500 | 7 0 4* | v | v | | | , , | | | v | v | v | v | - | | 25 | | 4E | 12 | 12 | 20 | 100.2 | 22 5 24 2 | E2 6 | 2 Saillactes anns |
| | 4/24/2007 | | | | | | | | | | | | | | | | | | | | | | | | | 2 Spillgates open |
| 420007 1909-185 744 X X X X X X X X X | | | | Х | Х | х | х х | () | х х | | Х | х | Х | Х | | | | | 45 | | | 35 | | | | 1 Spillgate open |
| 4670007 4670007 476 4 2 3 4 4 4 4 4 4 4 4 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4969007 96-1140 68-3 X X X X X X X X X | | | | | | | | | | | | | | | + | | | | | | | | | | | Oil leaking from crowder screen hoist |
| 400007 170-1700 6.8 2 | 4/28/2007 | | | | | | X X | () | x x | | X | | | | 1 | | 44 | | | 13 | | | | 22 | | |
| 4292007 775100 64.0 X X X X X X X X X X X X X X X X X X X | | | 7 & 3 | Х | X | Х | х х | () | x x | | | | | | | | | | | | | | | | | |
| 1200-1330 6 A 0 X X X X X X X X X | 4/20/2007 | | | | Х | X | XX | | XX | - | X | X | х | | + | | | | | | | | | 22.5 | E0 4 | |
| 1330-7725 6 & 0 X X X X X X X X X | 4/29/2007 | | | | | | | | | | ^ | ^ | | | + | | | | | | | | | | 30.1 | Hopper dropped when it was at the dump position, had to slow rise, this time it staved |
| 97-907 739-140 74-8 75 75 75 75 75 75 75 7 | | 1330-1725 | 6 & 0 | Х | | Х | х х | () | х х | . 11 | | | | | х | | 68 | 15 | | 13 | 13 | 40 | 107.6-108.2 | 20 | | |
| 1100-1410 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1410-1525 | 5/1/2007 | | | X | Х | х | X X | , | XX | | | | | х | | | | | | | | | | | 60 | |
| 92007 790-1115 744 X X X X X X X X X | | | | х | х | | | | | | | | | х | + | | | | 45 | | | | | | | |
| 1600-1615 | | | | | | | | | X X | | Х | | | | | | | | | | | | | | | 1 Spillgate open |
| 1600-1615 | 5/2/2007 | | | | | | | | XX | 1 | X | | _ | х | - | | 35 | | | 13 | | | | 22.5 | 60.5 | |
| 5/20/207 7/40-1150 | | | | | | | | | | | | | | х | + | | | 1 | | | | | | | | |
| 1100-1605 | 5/3/2007 | 740-1100 | 7 & 4 | | Х | х | X X | () | x x | | | | | | ┖ | | 36 | | | 13 | 13 | 40 | 106.0-106.5 | 23 | 62.6 | |
| 54/2007 73-5955 7-8-4 X X X X X X X X X | | | | | Х | | X X | () | X | | | | | J | | | | 15 | | | | | | | | |
| 95-1315 | 5/4/2007 | | | | | | | | | | | | | | +- | | | H | | | | | | | E3 | |
| 1315-1400 | 2,772001 | | | É | †î | | x x | () | x x | | | | | ^ | х | ⊢ | | 15 | | | | | | | | |
| 1600-1700 | | 1315-1400 | 4 & 1 | | | | х х | () | x x | | | | | | | | 75 | | | 13 | 13 | 40 | 108.1 | 20.5 | | |
| 1700-1715 | | | | X | | | | | | | | | X | X | - | | | | 45 | 13 | | | | | | |
| 55/2007 130-1200 4 8 4 | | | | | | | | | | | | | | | + | | | H | | | | | | | | Hopper wouldn't stop when returning to position. It is not on bottom and the cables are slack. |
| 1545-1830 | 5/5/2007 | | | | | | x x | () | x x | | х | | | | ┖ | | | | | 13 | | | | 22.5 | 64.4 | |
| 562007 720-1045 4 & 3 | | | | | ш | | | | | | | | | J | \perp | | | | | | | | | | | |
| 1045-1245 | 5/6/2007 | | | - | + | | | | | | X | | | | - | | | H | | | | | | 23 | 63.5 | |
| 1/45-1635 | 3,0,2301 | | | t | + | | | | | | - | | | | 1 | | | H | | | | | | | 55.5 | |
| 5/78/207 0745-115 7 & 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1115-1620 | E/7/2007 | | | v | | v | XX | () | XX | | | | | | - | | | | 35 | 13 | | | | | 64.4 | |
| 1620-1830 | 3/1/2007 | | | | | | | | | | ^ | ^ | | | | | | H | | | | | | | 04.4 | |
| 58/2007 730-800 7 & 4 X X X X X X X X X | | 1620-1830 | 7 & 4 | Х | х | X | х | () | х х | | | | Х | х | | X | 35 | | 45 | 13 | 13 | 30 | 108.2-108.6 | 23.3-23.6 | | |
| 1100-1715 | 5/8/2007 | | | | Х | X | | | | | | | | | | | | | | | | | | | 65 | |
| 1715-1800 | | | | | + | | | | | | -+ | х | X | Х | ¥ | X | | 18 | 35 | | | | | | | |
| 5992007 730-110 6 8 4 X X X X X X X X X X X X X X X X X X | | | | | +1 | - | | | | | -+ | х | х | х | Ť | х | | 10 | 35 | | | | | | | |
| 1110-1625 4 & 0 | 5/9/2007 | 730-1110 | 6 & 4 | Ë | | | х х | () | х х | | | | | | ┖ | | 36 | | | 13 | 13 | 40 | 106.5-107.3 | 23 | 66.2 | |
| 5/10/2007 730-800 7 & 4 X X X X X X X X X X X X X X X X X X | | | | | | | X X | () | x x | | | | | | Х | | | 17 | | | | | | | | |
| 800-1100 4 & 3 X X X X X X X X X X X X X X X X X X | 5/10/2007 | | | v | | | | | | | | | | | +- | | | H | | | | | | | E0 | |
| | St 10/2007 | | | ^ | | | | | | | | x | x | x | + | | | H | | | | | | | - 00 | |
| | | | | L | | | | | | | | | | | Х | | | 15 | | | 13 | | | | | |

| Gate and Diffus | er setting are | in percent open ar | nd fore | ebay a | nd tailra | ce elev | ations | s are in t | feet abo | ve mean | sea lev | el and | are take | en inside o | ur downstream | channel. V | Vater temp | erature was | taken in the | morning from the | ne surface of th | e trough. | | |
|--|------------------------|--------------------|----------|----------|-----------|---------|--|---------------|---------------------|----------|---------|------------|----------|-------------|---------------|------------|------------|-------------|--------------|------------------|----------------------------|------------------------|--------|---|
| | | Generation | - | | Small | Unite | 1 | 4 | \vdash | Large Ur | nits | -H | Wei | Gate | Gate | Diffusor | Setting | Snillus | y Setting | Crowder | Forebay | Tailrace | Water | |
| Date | Time | (small & large) | 1 | 2 | 3 4 | | 6 | 7 | 8 | 9 | 10 | 11 | | | Setting | A | B | A | B | Area Gate | | Elevation | Temp F | |
| | 1605-1830 | 4 & 3 | Ť | | | | | X | | X | | Х | | X | 52 | | 35 | 13 | 13 | 40 | 108 | 22.5 | | |
| 5/11/2007 | 730-1105 | 4 & 3 | | | | | | Х | Х | х | | | | х | 48 | | 35 | 13 | 13 | | 107.1-107.4 | 22.4-22.6 | 68 | |
| | 1105-1625 | 4 & 0 | | | | Х | | Х | | | | | Х | | 75 | 15 | | 13 | 13 | 40 | 106.9-108.5 | 19.6-20.0 | | Air Leak coming from crowder doors |
| 5/12/2007 | 1625-1700 730-1300 | 7 & 4 4 & 1 | Х | Х | | | | | х | Х | | X X | | X | 38 68 | | 40 | 13 | 13 | 40 55 | 108.5 107.0-107.7 | 23.6 | 69.9 | |
| 5/12/2007 | 1300-1720 | 4 & 1 | - | | | X | | X | | | | X | -+ | X | 68 | | 35 20 | 13 | 13 | 60 | 107.0-107.7 | 21 | 69.9 | |
| 5/13/2007 | 710-1615 | 2 & 0 | | | ^ | X | | x | | | | | х | _ ^ | 90 | 15 | 20 | 13 | 13 | | 107.0-108.1 | 17 | 70 | |
| | 1615-1720 | 3 & 2 | | | х | х | | х | | | Х | х | | х | 66 | | 45 | 13 | 13 | 35 | 108.1 | 21 | | |
| | 1720-1800 | 4 & 3 | | | | Х | | Х | | | | Х | | Х | 50 | | 45 | 13 | 13 | 35 | 108.1 | 22.5 | | Cleaned trash racks and gate behind them at end of the day. |
| 5/14/2007 | 700-1200 1200-1305 | 4 & 3 4 & 3 | | | | | | X | | X | | X | | Х | 45 35 | | 50 61 | 13 13 | 13 | 40 30 | 106.7-107.4 106.7 | 22.5-22.8 | 71 | |
| | 1305-1600 | 4 & 3 5 & 4 | - | | | X | | X | v | | | X | _ | X | 40 | | 35 | 13 | 13 | 35 | 106.7 | 22.8 | | |
| 5/15/2007 | 730-1420 | 4 & 2 | Х | | ^ ^ | | | X | ^ | | | X | _ | X | 58 | | 43 | 13 | 13 | 50 | 106.8-107.2 | 22 | 71.1 | Hopper cables have a lot of slack. |
| | 1420-1500 | 7 & 3 | | х | х х | Х | | | | | | х | | х | 38 | | 43 | 13 | 13 | 50 | 107.2 | 23 | | 347 |
| | 1500-1700 | 7 & 4 | Х | Х | X X | | | Х | Х | | | Х | | Х | 32 | | 52 | 13 | 13 | 46 | 106.8-107.0 | 23.4-23.5 | | |
| 5/16/2007 | 730-1145 | 4 & 2 | ٠., | | | Х | | | | Х | | X | | Х | 62 | 3 | 40 | | 13 | 40 | 107.3-107.7 | 21.6-21.9 | 73.4 | Air line for crowder doors being fixed |
| 5/17/2007 | 1145-1700 730-1315 | 7 & 4 4 & 1 | X | Х | | X | | X | Х | Х | | X X | _ | X | 40 70 | 5 | 40 40 | 13 13 | 13 13 | 50 40 | 107.0-107.3 | 23.0-23.6 | 74.3 | |
| 3/17/2007 | 1315-1450 | 7 & 4 | ¥ | х | | | | x | х | х | | x | - | X | 40 | 5 | 40 | 13 | 13 | 40 | 107.6-108.0 | 23.3-23.5 | 74.3 | |
| | 1450-1615 | 7 & 3 | | X | | | | x | | | | x | - | X | 40 | 5 | 40 | 13 | 13 | 40 | 107.8 | 23.1 | | |
| | 1615-1700 | 7 & 4 | Х | Х | X X | Х | Х | Х | Х | х | | Х | 二十 | х | 40 | 5 | 40 | 13 | 13 | 40 | 107.5 | 23.4 | | |
| 5/18/2007 | 730-1205 | 4 & 1 | | | Х | Х | Х | Х | | | | Х | | Х | 68 | | 38 | | 13 | 55 | 107.0-107.3 | 21 | 71.6 | Needed to decrease crowder area gate to set hopper in pit, cables going very slack. |
| F/40/0007 | 1205-1710 | 4 & 3 | <u> </u> | Ш | Х | X | х | X | Х | х | | Х | | Х | 53 | 40 | 42 | 13 | 13 | 48 | 107.3-107.4 | 22.4 | 70.7 | |
| 5/19/2007 | 740-1350 1350-1700 | 2 & 0 1 & 1 | 1 | \vdash | х | Х | 1 | Х | х | | | | X | + | 95 90 | 12 12 | - | 13 | 13 13 | 40 40 | 107.4-108.3 108.6-108.8 | 17.7-17.8 18.2-18.3 | 70.7 | Capacity test on unit #8. |
| 5/20/2007 | 800-1620 | 2 & 0 | 1 | \vdash | +^ | х | | х | +^- | | -+ | | X | | 92 | 14 | - | 13 | 13 | 45-55 | 107.2-108.2 | 18 | 69.9 | Had problem setting hopper in pit, cable are going slack when hopper is about 6 feet from bottom. |
| 5/21/2007 | 730-930 | 4 & 0 | t | H | Х | X | | X | | | | =H | Ť | х | 89 | 1 | 35 | 13 | 13 | 48 | 108.7 | 22.5 | 70 | Downstream weir gate got stuck at 89 %. |
| | 930-1315 | 4 & 0 | | | Х | Х | Х | | | | | | Х | | 85 | 15 | | 13 | 13 | 48 | 108.7-108.8 | 20.4-20.5 | | |
| | 1315-1600 | 4 & 3 | | | | | | Х | Х | Х | Х | $-\square$ | | Х | 43 | | 34 | | 13 | 34 | 108.7 | 22.5 | | |
| 5/22/2007 | 730-1300 | 4 & 0 4 & 3 | | | | X | | | v | v | | х | Х | x | 83 57 | 12 | | 13 | 13 | 40 39 | 108.0-108.4 108.4-108.5 | 19.4-19.5 | 71.6 | |
| 5/23/2007 | 1300-1600 730-1225 | 4 & 3 2 & 0 | - | | Х | X | | X | | Х | | | х | Х | 92 | 15 14 | | 13 13 | 13 | 48 | 108.4-108.5 | 22.3-22.5 18 | 71.6 | |
| 3/23/2007 | 1225-1300 | 4 & 0 | | | х | X | | x | | | | | ^ | x | 80 | 1.4 | 35 | 13 | 13 | 45 | 108.7 | 19.6 | 71.0 | |
| | 1300-1600 | 4 & 3 | | | | | | х | х | х | | х | | х | 54 | | 38 | 13 | 13 | 48 | 108.5 | 22.4-22.9 | | |
| 5/24/2007 | 730-1310 | 2 & 0 | | | | Х | | Х | | | | | Х | | 92-95 | 15 | | 13 | 13 | 60 | 106.8-107.5 | 17 | 71.6 | |
| | 1310-1420 | 4 & 0 | | | Х | X | | X | | | | | Х | | 82 | 15 | | 13 | 13 | 60 | 108.2 | 19 | | |
| 5/25/2007 | 1420-1600 730-1330 | 4 & 3 2 & 0 | | | Х | X | Х | X | Х | Х | | Х | х | Х | 55 92 | 14 | 35 | 13 13 | 13 13 | 60 50 | 108.0-108.2 107.2-108.5 | 22 18 | 72.5 | Cleaned trash racks and gate behind them at end of the day. Had problem setting hopper in the pit. |
| 3/23/2007 | 1330-1425 | 4 & 1 | - | | | ^ | - | ^ | | | - | | ^ | x | 68 | 14 | 39 | 13 | 13 | 50 | 107.2-108.5 | 21 | 12.3 | mad problem setting hopper in the pit. |
| | 1425-1600 | 4 & 3 | | | | | | | | | | | | X | 53 | | 39 | 13 | 13 | 50 | 108.6-108.7 | 22.6 | | |
| 5/26/2007 | 730-1325 | 2 & 0 | | | | Х | | х | | | | | х | | 96 | 15 | | 13 | 13 | 60 | 107.0-108.2 | 17 | 75.5 | |
| | 1325-1600 | 4 & 0 | | | Х | Х | | Х | | | | | Х | | 85 | 15 | | 13 | 13 | | 108.2-108.4 | 18.5 | | |
| 5/27/2007 | 720-1305 | 2 & 0 | | | | Х | | Х | | | | | Х | | 97 | 15 | | 13 | 13 | 60 | 107.0-108.3 | 17 | 77 | |
| 5/28/2007 | 1305-1600 730-1330 | 4 & 1 2 & 0 | - | | х | X | Х | X | | | | х | х | Х | 72 96 | 12 | 30 | 13 13 | 13 13 | 60 43 | 108.5-108.6 107.5-108.0 | 20.5 18.4-18.5 | 75.2 | |
| 3/20/2007 | 1330-1600 | 4 & 2 | - | | хх | x | - | X | | | Y | х | ^ | x | 66 | 5 | 20 | 13 | 13 | 56 | 107.8-108.0 | 21.5 | 13.2 | |
| 5/29/2007 | 700-1025 | 2 & 0 | | | ^ ^ | X | | X | | | _ | | х | | 96 | 12 | 20 | 13 | 13 | 39 | 107.0-107.3 | 18.5 | 77.9 | |
| | 1025-1300 | 0 & 1 | | | | | | | х | | | | Х | | 96 | 12 | | 13 | 13 | | 107.4-108.0 | 18.5 | | |
| | 1300-1500 | 0 & 4 | | | | | | | Х | X | Х | Х | | Х | 75 | | 23 | 13 | 13 | 35 | 108.1 | 21.9 | | |
| 5/30/2007 | 745-1400 | 2 & 0 | v | U | | X | | X | | | | | X | | 92 | 15 | | 13 | 13 | 58 48 | 106.5-107.2 | 18 20 | 79.7 | |
| 5/31/2007 | 1400-1500 745-1330 | 7 & 0 2 & 0 | X | × | х х | X | | X | | | | | X | + | 72 94 | 13 14 | - | 13 13 | 13 13 | 48 50 | 106.9 105.7-106.2 | 20 17.8 | 80.1 | Crowder shaking when coming forward. Season is over |
| 5/31/2007 | 740-1330 | 2 & U | 1 | H | - | ^ | | ^ | + | | - | $\pm H$ | ^ | | 34 | 14 | - | 13 | 13 | 30 | 100.7*100.2 | 17.0 | 00.1 | Crowder snaking when cortiling forward. Sedsoft is over |
| | | | | H | | | 1 | | | | | \dashv | \dashv | | | | | | | | | | | |
| 4/3/2006 | 1130-1600 | 2 & 0 | | | | Х | Х | | | | | | | Х | 84 | | 39 | 13 | 13 | 24 | 107.3-107.7 | 18.0-18.5 | 52.7 | |
| 4/5/2006 | 1115-1145 | 4 & 1 | <u> </u> | Ш | | | _ | $\perp \perp$ | + | - 1 | | | | Х | I T | 1 | | 1 | | 1 T | 107.9 | 20.5 | 48.6 | |
| 4/7/2006 | 1145-1600 1030-1210 | 2 & 0 4 & 2 | 1 | \vdash | | - | 1 | | 1 | | | \dashv | + | х | 60 | + | 50 | 13 | 13 | 25 | 107.9-108.1 107 | 18.5 22 | 55 | Diffuser A and B are not working properly. |
| -1/200b | 1210-1700 | 2 & 0 | 1 | \vdash | ¥ | х | + | | | -+ | - | \dashv | х | ^ | 78 | 1 | 30 | 13 | 13 | 20 | 106.9-107.3 | 18 | 33 | Diliuser A and D are not working property. |
| 4/8/2006 | 940-1205 | 4 & 1 | 1 | H | | x | | х | х | | - | \dashv | - | х | 68 | 1 | 40 | 13 | 13 | | 107.1-107.4 | 20 | 54.5 | |
| | 1205-1610 | 2 & 0 | | H | | Х | Х | | | | | | х | | 78 | | | 13 | 13 | 20 | 107.6-108.3 | 18 | | |
| 4/9/2006 | 1030-1300 | 4 & 1 | | | Х | Х | | X | | X | | | Х | | 62 | 20 | | 13 | 13 | 24 | 108.2-108.3 | 20.5-21.0 | 53.6 | |
| | 1300-1710 | 2 & 0 | <u> </u> | Ш | | х | Х | $\perp \perp$ | + | - 1 | | | X | \perp | 78 | 20 | | 13 | 13 | 24 | 108.4-108.6 | 18.5 | | Hopper is not lined up correctly with trough. |
| 4/10/2006 | 1100-1110 1110-1530 | 4 & 0 2 & 0 | 1 | \vdash | _ | - | | + | + | | _ | | X | + | 78 | 45 | | 13 13 | 13 | 28 28 | 107.5 107.7-108.4 | 20.5 19.0-19.5 | 55.1 | Limit switch failed during last lift. Hopper a had to be manually stop at trough. |
| 4/11/2006 | 1030-1210 | 2 & 0 4 & 0 | +- | \vdash | | | Х | | 1 | | - | | X | + | 78 72 | 45 | - | 13 | 13 | 28 | 107.7-108.4 | 19.0-19.5 | 55.4 | Entite Switch railed during last lift. Hopper a had to be manually stop at trough. |
| | 1210-1630 | 2 & 0 | 1 | H | | - | † | + | | | | | X | 1 1 | 78 | 45 | l | 13 | 13 | 25 | 107.7-108.8 | 19.5 | 55.4 | |
| 4/13/2006 | 1000-1110 | 4 & 3 | | H | | | 1 | | | | | | | х | 50 | 1 - | 53 | 13 | 13 | 25 | 106.7 | 22 | 57 | |
| | 1110-1210 | 4 & 0 | | | | | | | | | | | | Х | 65 | | 53 | 13 | 13 | 25 | 106.8 | 20.5 | | |
| | 1210-1700 | 2 & 0 | | ШĪ | | | 1 | \Box | $oxed{\Box}$ | | | | Х | | 82 | 25 | | 13 | 13 | 25 | 106.8-108.1 | 18.5 | | |
| 4/14/2006 | 1700-1745 1030-1415 | 3 & 0 4 & 1 | 1 | \vdash | | - | 1 | \vdash | + | | | \dashv | Х | x | 76 70 | 25 | 18 | 13 | 13 | 25 25 | 108.2 108.2-108.5 | 19 20.0-21.0 | 57.2 | |
| 4/14/2000 | 1030-1415 | 4 & 1 2 & 0 | 1 | \vdash | - | | 1 | \vdash | + | | -+ | \dashv | х | | 70 | 20 | 18 | 13 | 13 | 25 | 108.2-108.5 | 20.0-21.0 | 51.2 | Limit switch at trough failed. |
| 4/15/2006 | 1000-1200 | 4 & 1 | 1 | H | | | 1 | | | | - | \dashv | - | х | 65-68 | 1 | 51 | 13 | 13 | 25 | 107.6-107.7 | 21.0-21.5 | 59 | |
| | 1200-1700 | 2 & 0 | | H | | | 1 | | | | | | х | | 80 | 20 | | 13 | 13 | 25-30 | 107.8-108.6 | 19 | | |
| 4/16/2006 | 1000-1700 | 2 & 0 | | | | | | | | | | | Х | | 80 | 25 | | 13 | 13 | 25 | 107.8-108.6 | 18.5 | 59.4 | Maintenance here in morning to fix limit switch, |
| 4/17/2006 | 1100-1735 | 4 & 0 | ┖ | Ш | | 1. | 1 | | $oldsymbol{\sqcup}$ | | | | Х | | 72 | 45 | | 13 | 13 | 20-25 | 107.3-108.8 | 19.5 | | Limit switch at trough failed again. |
| 4/18/2006 | 1000-1335 | 4 & 0 | 1 | \vdash | Х | X | | Х | + | | _ | | X | + | 72 | 40 | | 13 | 13 | 25 | 107.3-107.8 | 19.5 | 60 | |
| | 1335-1605 1605-1720 | 2 & 0 4 & 1 | 1 | \vdash | v | | X | х | х | | _ | | X | + | 80 62 | 45 35 | - | 13 13 | 13 13 | 30 40 | 108.1-108.8 108.9 | 19 20.5 | | |
| 4/19/2006 | 950-1210 | 4 & 1 | 1 | H | X X | | | X | ^ | | х | х | ^ | x | 55 | 30 | 50 | 13 | 13 | 25 | 108.9 | 20.5 | 60.8 | Maintenance made repairs to viewing room gate. |
| | 1210-1720 | 4 & 0 | | | х х | | Х | Х | | | | | | X | 70 | 1 | 55 | 13 | 13 | 25 | 107.5-108.3 | 20.5 | | Upstream "A" gate tripped mid-day. |
| 4/20/2006 | | 4 & 0 | | | х х | | Х | | | | | | Х | | 72 | 50 | | 13 | 13 | 25 | 107.5-107.7 | 19.5 | 61.4 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

| Gate and Diffus | ser setting are | in percent open ar | nd for | bay a | nd tailra | ce elev | ations | s are in | feet abo | ve mea | ı sea le | vel and | are tal | en inside o | our downstrear | n channel. V | Vater temp | erature was | taken in the | morning from th | he surface of the | he trough. | | |
|------------------------|-------------------------|-------------------------|---------|----------|-----------|---------|--------|------------|----------|----------|----------|---------------|----------|-------------|----------------|--|------------|-------------|--------------|-----------------|----------------------------|-------------------|--------------|---|
| | | Generation | - | | Small | Unite | 1 | | 1 | Large l | Jnite | + | Wa | r Gate | Gate | Diffusor | Setting | Snillus | y Setting | Crowder | Forebay | Tailrace | Water | |
| Date | Time | (small & large) | 1 | 2 | | | 6 | 7 | 8 | 9 | 10 | 11 | | B C | Setting | A | B | A | B | Area Gate | | Elevation | Temp F | |
| | 1230-1815 | 4 & 4 | Ť | | | | | | X | | | | | X | 45 | | 52 | 13 | 13 | 25 | 107.0-108.0 | 22.5 | | Had to shut down spills to switch gates. |
| 4/21/2006 | 900-1400 | 4 & 1 | | | | | | | | | | | | Х | 60 | | 52 | | 13 | | 106.6-106.9 | 20.5-21.0 | 62.6 | |
| | 1400-1800 | 3 & 0 | | | | | | | | | | | Х | | 75 | 15 | | 13 | 13 | 26 | 107.3-107.7 | 19.5 | | |
| 4/22/2006 | 1800-1845 800-1100 | 4 & 1 4 & 0 | | | хх | | | х | Х | | _ | | X | | 70 | 15 | | 13 | 13 | 30 | 107.7 | 20 19.5 | 62.6 | |
| 4/22/2006 | 1100-1300 | 2 & 0 | | | ^ _^ | | | x | | | | | x | | 78 | 15 | | 13 | 13 | | 106.1-106.3 | 18.5 | 02.0 | |
| | 1300-1730 | 2 & 0 | 1 | | | | X | X | | | | | X | | 80 | 15 | | 13 | 13 | | 107.0-107.9 | 18.5 | | |
| 4/23/2006 | 750-1655 | 4 & 0 | | | X X | | х | | | | | | Х | | 70 | 15 | | 13 | 13 | 30 | 108.0-109.0 | 20 | 61.7 | Thin cable for schieve block for air line was wrapped around hoses. Removed. |
| | 1655-1800 | 4 & 3 | | | X X | | Х | X | Х | Х | X | | | Х | 50 | | 45 | 13 | 13 | 35 | 108.7 | 21 | | |
| 4/24/2006 | 800-1135 1135-1500 | 7 & 4 4 & 2 | Х | | X X | | | X | | Х | | X | | X | 30 48 | | 45 45 | 13 13 | 13 | 24 24 | 106.3-107.0 | 23 22 | 61.7 | Maintenance replace guide cable for schieve block. |
| | 1500-1745 | 7 & 4 | ¥ | | XX | Y | Ŷ | X | ¥ | | | X | | x | 30 | | 45 | 13 | 13 | 24 | 107.6-107.7 | 23 | | Maintenance replace guide cable for scrileve block. |
| 4/25/2006 | 800-1445 | 7 & 4 | X | | | | | | X | | | X | | X | 27 | | 50 | | 13 | 30 | 1073-107.6 | 23 | 61.7 | |
| 4/26/2006 | 800-1600 | 7 & 4 | | | х х | | | | | | | Х | | х | 25 | | 50 | 13 | 13 | 30 | 106.7-107.0 | 23.0-23.5 | 59 | |
| 4/27/2006 | 800-1600 | 7 & 4 | Х | Х | X X | X | Х | X | Х | | | X | | Х | 28 | | 50 | 13 | 13 | 30 | 107.8-108.4 | 23.5 | 59 | |
| 4/28/2006 | 800-1655 | 7 & 4 7 & 4 | X | Х | X X | X | X | X | Х | X | | | | Х | 30 | | 45 | | 13 | | 107.2-107.5 | 23.5 | 59 59 | |
| 4/29/2006 4/30/2006 | 800-1730 700-1120 | 7 & 4 2 & 0 | X | х | X X | X | X | X | Х | Х | Х | Х | х | х | 30 78 | 15 | 45 | 13 13 | 13 13 | | 106.7-108.1 107.9-108.7 | 23.5 18.5 | 59 59 | |
| 4/30/2000 | 1120-1150 | 4 & 0 | | | х | X | X | х | | - | | | X | | 72 | 15 | | 13 | 13 | 35 | 108.7 | 19 | 33 | |
| | 1150-1215 | 4 & 2 | | | | X | | | 1 | | х | х | Ħ | х | 52 | H | 45 | 13 | 13 | 35 | 108.8 | 20 | | |
| | 1215-1815 | 4 & 3 | | | | Х | | Х | Х | | | Х | | Х | 52 | | 45 | 13 | 13 | 35 | 108.7-108.8 | 22 | | |
| 5/1/2006 | 800-1215 | 7 & 4 | х | Х | | | | | Х | Х | Х | Х | L, I | Х | 30 | H | 50 | | 13 | | 107.3-108.3 | 23 | 59 | |
| 5/2/2006 | 1215-1700 800-1055 | 4 & 0 7 & 4 | V | | X X | | | X | | х | х | х | х | - | 71 30 | 20 | 52 | 13 13 | 13 13 | | 107.5-108.6 107.1-108.0 | 19.5-20.0 23.5 | 60.8 | |
| 3/2/2000 | 1055-1700 | 7 & 4 4 & 0 | ^ | ^ | | | | X | | ^ | ^ | ^ | х | ^ | 70 | 20 | 32 | 13 | 13 | | 106.9-107.7 | 23.5 | 00.0 | |
| 5/3/2006 | 800-1210 | 4 & 3 | t | | X X | | X | X | Х | х | | х | Ħ | х | 45 | H | 55 | 13 | 13 | 30 | 107.6-108.0 | 22.5 | 62.3 | |
| | 1210-1650 | 4 & 0 | L | | х х | | Х | Х | | | | | | х | 75 | | 40 | 13 | 13 | 30 | 107.9-108.8 | 20 | | |
| | 1650-1730 | 4 & 3 | | | X X | | Х | Х | | Х | | Х | | Х | 45 | | 40 | 13 | 13 | 45 | 109 | 22.5 | | |
| EMPOSS | 1730-1800 | 4 & 4 | TO: | | X X | | | | X | | | | \vdash | х | 37 | Н | 40 | 13 | 13 | 45 | 108.8 | 23 | | Hopper cable wrapped around cage on last lift. |
| 5/4/2006 5/5/2006 | DID NOT OPE 900-1700 | RATE TODAY DUE 4 & 2 | 101 | UPPE | | | | AROUN X | | X Tested | | э. | \vdash | х | 52 | H | 51 | 13 | 13 | 35 | 108.0-108.7 | 22 | 64.4 | |
| 3/3/2000 | 1700-1845 | 4 & 3 | | | | | | | х | | | | | x | 46 | | 45 | | 13 | | 108.7-108.9 | 22.5 | 04.4 | |
| 5/6/2006 | 800-1300 | 4 & 0 | | | | X | | | | | | | х | | 70 | 20 | | 13 | 13 | 35 | 107.3-108.1 | 20.0-19.5 | 64.8 | |
| | 1300-1400 | 2 & 0 | | | | Х | | Х | | | | | Х | | 79 | 10 | | 13 | 13 | 41 | 108.5 | 19 | | |
| | 1400-1800 | 4 & 1 | | | х | X | Х | X | Х | | | | | Х | 70 | | 45 | 13 | 13 | | 108.5-108.6 | 20.5-21.0 | | |
| 5/7/2006 5/8/2006 | 830-1800 800-1200 | 2 & 0 4 & 1 | - | | _ | Х | - | Х | | - | | _ | Х | х | 82 65 | 15 | 54 | 13 | 13 13 | | 107.0-108.3 106.7-106.8 | 18 20.0-21.0 | 65.3 64.8 | Flushed debris and had maintenance come out to fully lower dividing screen hoist. |
| 3/0/2000 | 1200-1700 | 2 & 0 | | | | | | | | | | _ | х | - | 82 | 15 | 34 | 13 | 13 | 30 | 106.8-107.9 | 19.5-20.0 | 04.0 | Downstream "C" gate tripped while switching over. |
| | 1700-1800 | 4 & 2 | | | | | | | | | | | | х | 52 | | | 13 | 13 | 35 | 108 | 21.5 | | Maintenance saw bottom section of crowder screen hoist missing. |
| 5/9/2006 | 830-1200 | 4 & 1 | | | | | | | | | | | | Х | 65 | | 55 | 13 | 13 | 35 | 107.6-107.8 | 21 | 66.2 | |
| | 1200-1730 | 4 & 1 | | | | | | | | | | | | Х | 60 | | 55 | | 13 | | 108.1-108.8 | 21 | | Had problem with crowder screen hoist not fully lowering. |
| 5/10/2006 | 845-1030 1030-1330 | 4 & 1 3 & 0 | - | | × | X | X | X | | Х | | _ | х | х | 63 77 | 25 | 55 | 13 | 13 | | 106.4-106.7 106.5-106.8 | 20.5 19.5-20.5 | 67 | |
| | 1330-1530 | 3 & 0 | + | | | | | X | - | | | | X | | 77 | 10 | | 13 | 13 | 20 | 107.3-107.6 | 19.5-20.5 | | |
| | 1610-1700 | 3 & 0 | 1 | | | | X | X | | | | | X | | 77 | 8 | | 13 | 13 | 45 | 107.8 | 19.5 | | |
| | 1700-1730 | 4 & 1 | | | х | Х | Х | Х | | | | Х | | х | 63 | | 42 | | 13 | 35 | 108.2 | 19.5 | | |
| 5/11/2006 | 745-1000 | 4 & 2 | | | | | | X | | Х | | Х | | Х | 53 | | 40 | | 13 | | 106.1-106.3 | 21 | 66.6 | |
| | 1000-1400 1400-1655 | 3 & 0 3 & 0 | | | | X | | | | | | | X | | 77 77 | 25 10 | | 13 | 13 | | 106.2-107.1 107.3-107.8 | 19 19 | | |
| 5/12/2006 | 800-1100 | 4 & 0 | - | - | | ^ | ^ | | | - | - | | X | | 70 | 20 | | 13 | 13 | | 107.3-107.5 | 19.5 | 67.8 | |
| | 1100-1600 | 4 & 1 | t | | | + | t | | | | Х | - | Ħ | х | 63 | H | 55 | 13 | 13 | 32 | 107.7-108.6 | 21.5 | | |
| | 1600-1720 | 4 & 3 | | | | | | | | Х | X | Х | | Х | 52 | | 45 | | 13 | 30 | 108.5 | 22 | | |
| 5/13/2006 | 800-1730 | 4 & 0 | \perp | ш | | | L. | L.I | \perp | | -T | \Box | Х | \Box | 69 | 25 15 | | 13 | 13 | | 106.0-106.9 | 19.5 | 68.2 | |
| 5/14/2006 | 745-1600 1600-1730 | 2 & 0 4 & 2 | 1 | х | | | X | X | \vdash | х | -+ | х | х | х | 90 58 | 15 | 45 | 13 | 13 13 | 20 35 | 107.4-108.6 108.6 | 18 21.5 | 67.1 | |
| 5/15/2006 | 1600-1730 830-1305 | 4 & 2 4 & 2 | + | X | | | | X | 1 | X | | X | H | X | 55 | | 45 45 | 13 | 13 | 30 | 108.6 | 21.5 | 67.1 | |
| | 1305-1700 | 4 & 1 | t | X | - | | | X | | X | | | H | X | 62 | | 45 | 13 | 13 | 30 30 | 108.1-108.5 | 21 | 07.1 | |
| 5/16/2006 | 800-1105 | 4 & 3 | | | | | | | | | | | | Х | 47 | | 40 | 13 | 13 | 30 | 106.7-106.8 | 22 | 66.2 | |
| | 1105-1700 | 4 & 0 | | | | | | | | | | | Х | | 77 | 15 | | 13 | 13 | 30 | 107.0-107.9 | 19.5 | | |
| 5/17/2006 | 745-1100 1100-1700 | 4 & 3 4 & 1 | 1 | | X X | X | | | X | | X | х | \vdash | X | 50 69 | H | 45 45 | 13 | 13 | | 107.1-107.4 107.3-108.1 | 22 20.5 | 66.6 | |
| 5/18/2006 | 800-1245 | 4 & 1 | + | \vdash | | | | х | | | х | х | H | X | 50 | | 45 | 13 | 13 | | 107.3-108.1 | 20.5 | 66.2 | |
| | 1245-1710 | 4 & 1 | 1 | | | x | | | 1 | | x | | H | X | 67 | H | 40 | 13 | 13 | 25-30 | 107.5-108.1 | 20.5 | | |
| | 1710-1745 | 4 & 3 | L | | х | Х | Х | х | Х | | Х | х | | х | 50 | | 30 | | 13 | 20 | 108 | 22 | | |
| 5/19/2006 | 800-1300 | 4 & 3 | | | | | | | | | | | | Х | 50 | | 36 | | 13 | 40 | 107.9-108.1 | 22 | 66.2 | |
| E/20/2006 | 1300-1700 800-1130 | 4 & 1 4 & 0 | X | \vdash | X | X | X | Х | Х | | -+ | _ | х | х | 69-72 78 | 15 | 25-35 | 13 | 13 | | 108.1-108.6 107.0-107.3 | 20.5 19 | 64.4 | |
| 5/20/2006 | 1130-1210 | 4 & 0 | X | \vdash | ٨ | | X | х | 1 | | -+ | | X | + | 78 84 | 15 | 1 | 13 | 13 | 35 | 107.0-107.3 | 19 | 64.4 | |
| | 1210-1710 | 4 & 0 | Ļ | | х | x | | | | | | | X | + | 84 | 15 | | 13 | 13 | 25 | 107.9-108.4 | 19 | | |
| 5/21/2006 | 745-810 | 2 & 0 | | | | Х | Х | | | | | | Х | | 82 | 15 | | 13 | 13 | 35 | 107.7 | 18 | 64 | |
| | 810-1650 | 4 & 0 | | | | | | X | | | | | Х | | 82 | 10 | | 13 | 13 | 20-30 | 107.7-108.1 | 19 | | |
| 5/22/2006 | 800-1145 1145-1500 | 4 & 2 4 & 1 | 1 | \vdash | X | X | X | X | | X | | Х | \vdash | X | 60 70 | \vdash | 40 35 | 13 | 13 13 | | 107.3-107.7 107.4-107.5 | 21 20.5 | 63 | |
| - | 1500-1700 | 4 & 1 4 & 1 | 1 | \vdash | | | | X | | X | -+ | -+ | \vdash | X | 70 | H | 35 | 13 | 13 | | 107.4-107.5 | 20.5 | | |
| 5/23/2006 | 800-1700 | 4 & 2 | 1 | \vdash | | X | | | | X | -+ | х | H | X | 60 | H | 40 | 13 | 13 | 35 | 107.8-107.8 | 20.5 | 62.6 | |
| | 1225-1315 | 4 & 0 | | | | | | X | | | | | H | X | 72 | | 20 | | 13 | 35 | 107.5 | 20 | | |
| | 1315-1500 | 4 & 0 | | | | X | | | | | | | Х | | 80 | 15 | | 13 | 13 | 35 | 107.8-107.9 | 19 | | |
| | 1500-1655 | 4 & 0 | 1 | Ш | | X | | X | 1 | L, T | [| | Х | T | 80 | 10 | | 13 | 13 | 17 | 108.2 | 19 | | |
| 5/24/2006 | 800-1225 1225-1445 | 4 & 2 4 & 0 | +- | \vdash | | X | | X | X | Х | -+ | \rightarrow | х | х | 60 80 | 45 | 30 | 13 13 | 13 13 | 35 30 | 107.1-107.4 107.4-107.5 | 21 19.5 | 62.2 | |
| l + | 1225-1445 | 4 & 0 | + | \vdash | | | | X | | \vdash | -+ | | X | + | 80 | 15 10 | - | 13 | 13 | | 107.4-107.5 | 19.5 | | |
| | 1715-1800 | 4 & 1 | t | | X | X | X | x | х | | | | X | + | 67 | 15 | | 13 | 13 | 30 | 108.3 | 20.5 | | |
| 5/25/2006 | | 2 & 0 | L | | | Х | Х | ШŤ | L | | | | Х | | 80 | 15 | | 13 | 13 | 30 | | 18.5 | 64.4 | When lowering "A" gate, heard loud bang. |
| | | | | _ | | | | | | | | | | | | | | | | | | | | · |

| Second Control Process | | | | | | | | | | | | | | | | | | | | | | | | | | T |
|--|-----------------|-----------------------|---------------------|-----------|----------|-------------|---------|-------|-----------|--------|---------|----------|----------|---|---------|----------|---------------|--|------------|-------------|--|----------------|------------------|------------|-------|--|
| The content of the | Gate and Diffus | er setting are | in percent open ar | nd for | ebay a | nd tailra | ce elev | vatio | ns are i | n feet | above | mean se | a leve | l and | are tal | en insid | our downstrea | m channel. V | Nater temp | erature was | taken in the | morning from t | he surface of th | ne trough. | | |
| The content of the | | | Generation | | | Small | Units | | _ | | La | rge Unit | s | + | We | ir Gate | Gate | Diffuse | r Setting | Spillwa | y Setting | Crowder | Forebay | Tailrace | Water | |
| Decompose 1.4 | Date | | (small & large) | 1 | 2 | 3 4 | 5 | | | ε | | | | 1 | | | Setting | A | | Α | В | Area Gate | | | | |
| March Marc | | | | | | | | | | ٠. | , , | | | , | Х | v | | 15 | 40 | | | | | | | |
| 1999 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 5/26/2006 | 730-800 | 2 & 0 | | | | | | | | | | | | | | 90 | 15 | | 13 | 13 | 35 | 107.5 | 18.5 | 65.3 | |
| 1995 | | | | | | | | - | | _ | _ | | | _ | Х | | | 15 | | | | | | | | |
| 100-100 | 5/27/2006 | | | | | | x | + | x | + | _ | | - | \dashv | х | ^ | | 15 | 30 | | | | | | 64.4 | |
| 1965 | | | | | | х | X | Х | |) | K | | | | | | | 15 | | 13 | | 30 | | 20.5 | | |
| Minor Mino | | | | | | Х | | | |) | (| | | | | Х | | | 30 | | | | | | | |
| 1969-100 | 5/28/2006 | 745-1410 1410-1700 | | | | ¥ | | | | - | | Y | | | х | Y | | 10 | 45 | 13 | | 20 | | | 66.2 | Air leaking from one of the crowder doors. Hole in the line. |
| Monthe Month Mon | 5/29/2006 | 700-1425 | 2 & 0 | | | | | | | | + | | + | - 11 | х | | | 15 | | | | 30 | 107.5-108.2 | 18.5 | 68 | |
| March Marc | | | | | | Х | | | | |) | K | | | | Х | | | 20 | | | | | 20 | | |
| Milland Mill | 5/30/2006 | | | | | _ | | | | | | v | | | х | | | 15 | 40 | | | | | | 70 | |
| 100 | | | | х | х | | | | | | () | | | (| | | | | | | | | | | | |
| Section Control Cont | 5/31/2006 | 730-1225 | 2 & 0 | | | | Х | | Х | | | | | | Х | | 90 | 15 | | 13 | 13 | 30 | 106.2-107.5 | 17.5 | 71.3 | |
| Maria Mari | 6/4/2006 | | 4 & 3 | 1 | \vdash | Х | | | : X | - | () | x x | _ | $-\!$ | v | Х | | 15 | 40 | | | 30 | | 22 | 72.6 | |
| Section Control Cont | 0/1/2006 | | | + | + | хх | X | + | х | + |) | x x | - | \dashv | ^ | x | | 15 | 30 | 13 | | 30 | | 17.5 | 73.6 | |
| March Marc | 6/2/2006 | 700-1300 | 1 & 0 | | | | Х | | | | Ť | | + | \dashv | х | Ť | 95 | 15 | | 13 | 13 | 25-30 | 107.3-108.5 | 17.5 | 77 | |
| | | 1300-1500 | 4 & 4 | | | Х | | | X |) | () | X X |) | | | Х | 50 | | 30 | 13 | 13 | 30 | 108.7-109.0 | 22.5 | | |
| Mathematical Control | 6/3/2006 | | | ¥ | \vdash | Y | | | - | + | ٠, | , v | ٠, | | х | v | | 15 | 40 | | | | | | 77 | |
| Second March Mar | 6/4/2006 | 730-830 | 1 & 0 | <u></u> ↑ | | | Х | 1 | | + | + | ^ | + | | | +^ | 90 | 15 | -10 | 13 | 13 | 30 | 107.9 | 17 | 75.6 | |
| ## 1115-1160 ## 1115-1161 ## 1 | | 830-1030 | 4 & 0 | | | Х | X | Х | X | | | | | | Х | | 80 | 15 | | 13 | 13 | 30 | 107.9-108.1 | 19.5 | | |
| | | | | <u> </u> | \vdash | | х | F | | + | _ | | + | +I | Х | U | | 15 | 20 | | | | | | | |
| 1 | 6/5/2006 | | | 1 | \vdash | хх | × | × | | + | + | - | , | | - | | | H | 30 | 13 | | 3U 30 | | ∠u.5 21 | 75.6 | |
| 1200-1712 64.4 | | | | L | | | ľ | Ľ | | r | ᆂ | ╧ | ľ | 曲 | | ^ | | | | | | | 100.0 | | . 5.0 | |
| 1200-1712 64.4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| \$\text{\$\frac{4}{2}\text{\$\text{\$\frac{4}{2}\text{\$\frac{4}\text{\$\frac{4}{2}\text{\$\frac{4}\$\frac{4 | 4/23/2001 | | | + | \vdash | -+ | + | + | | | | | | | - | | | | | H | \vdash | | | | 52.7 | |
| 166-1630 64.4 | 4/25/2001 | 945-1545 | 6 & 4 | 1 | | -+ | + | + | | | | |) | (| | | 39 | H | 47 | | | 18 | 107.1-107.5 | 23 | 55.4 | |
| 1505-1916 | | 1545-1830 | 6 & 4 | | | | | | | | () | X X |) | (| | | | | 55 | | | | | 23 | | |
| 467/2007 96-1800 96-44 | 4/26/2001 | | | | | | | | | | | | | | | | | | | | | | | | 59 | |
| Age | 4/27/2001 | | | | | | | + | | | | X X | | | | | | 25 | 52 | | | 23 | | | 59 | |
| 95-1015 | | | | | | | 1 | | | | | | | | | | 84 | | | | | | | | 59 | |
| Not-1600 | | | | | | | | | | | | | | | | | | | 70 | | | 10 | 108.4 | 21 | | |
| 1500-1716 | | | | | | | + | + | | | | | | | _ | | | 25 | | | | | | | | |
| 1776-1745 | | | | | | | | ╫ | | Ť | ` | | + | ` | | | | 20 | - 00 | | | 20 | | | | |
| 1100-1200 | | 1715-1745 | 6 & 4 | | | | | | | > | | | | | | | | 25 | | | | | | 22.5-23.0 | | |
| 1300-1355 | 4/29/2001 | | | | | | _ | - | | _ | | | | | | | | 26 | | | | 10 | | 17.5 | 60 | Two Large turbine stuck in spin mode. |
| 1535-1835 6.8 4 | | | 4 & 1 | | | | + | + | | | + | | | ` | | | 76 | 20 | | | | 28 | | | | |
| 1000-1200 | | | | | | | | | | > | | | | | | | | | | | | 12 | | | | |
| 1200-1810 | 4/30/2001 | | | | | | | - | | _ | , | X | | | | | | | 55 | | | 30 | | 17.5 | 62.6 | |
| ST-1201 TS-1270 Z 8 1 | | | | | | | | + | | > | | | | | | | | | | | | | | | | |
| S02-001 S00-900 2 & 1 | | | | | | | 1 | | | | | | | | | Х | 80 | | 70 | | | | 107.5-107.9 | 17.5 | 626 | |
| 900-1050 | | | | itch are | | | n dump | ed in | | | and 41 | tagged | for tele | metry | study. | | | | | | | | 407.0 | 40 | 00.0 | |
| 1050-1215 4 & 2 | 5/2/2001 | | | + | \vdash | | + | + | | + | - | - | + | + | -+ | | 95 | | 70 | H | | 10 | | | 66.2 | |
| 1350-1815 6.8.4 | | 1050-1215 | | | \vdash | ^ | + | + | ^ | + | | | + | \dashv | - | | | H | 47 | | | 7 | | | | |
| 53/2001 830-1100 2 8 0 X | | | | | | | 1 | Ε | | | | | | | _ | | | | | | | | | | | |
| 10101245 4 8 2 | 5/3/2001 | | | - | \vdash | Y | + | + | Y | | () | x X | | | - | | 28 | 1 | 70 | H | 1 | | | 18.5 | 67.1 | Unit 11 stuck on slow spin .45% |
| Had maintenance come out to switch around plates, fish dumped into sorting tank and tagged 415had for telementy study | | 1010-1245 | 4 & 2 | 1 | | ^ | + | + | | + | + | - | | T | | X | 50 | H | 70 | H | | | | | 07.1 | and the second of the second o |
| 1200-1815 3 8 4 | | | | itch are | ound p | lates, fish | n dump | ed in | to sortin | g tank | and tag | gged 419 | Shad fo | | | tudy | | | | | | | | | | |
| 5/5/2001 800-1100 18.3 | 5/4/2001 | | | 1 | \vdash | - | + | + | | + | + | | _ | \dashv | _ | | | H | | H | 1 | | | | 69.9 | |
| 1100-1800 3 & 3 & 3 | 5/5/2001 | | | + | \vdash | -+ | + | + | + | + | - 3 | х х | > | . | _ | | | + | | + | | | | | 68.9 | Large units stuck in slow spin. |
| S7/2001 830-1220 1.8.1 | | 1100-1800 | 3 & 3 | | | 士 | 上 | L | | I | I | ^ | ľ | ⋣ | | Х | 68 | | 71 | | | 44 | 108 | 21 | | |
| 12301550 4.8 2 | | | 2 & 3 | _ | \vdash | | 4 | F | | +- | | | ┯ | 41 | [| | | | | | \vdash | | | | | Large units stuck in slow spin. |
| 1350+1430 | 5///2001 | | | + | \vdash | | + | + | - | + | - | - | + | + | -+ | | | | | H | | | | | 69.9 | |
| 1630-1615 6.8.4 | | 1350-1430 | 4 & 2 | L | | | ᆂ | L | | r | ᆂ | | ı | 曲 | | X | 50 | | 70 | | | 7 | 108.6 | 21 | | Problems with the crowder, maintance came out and fixed |
| 5/8/2001 830-1245 2.8.1 | | | | | | | | Ι | | Ι. | 1 | | Ι. | Л | | | | | 60 | | | | | 22 | | |
| 1245-140 2.8.1 | | | | 1 | y | - | + | + | V | | | | | | _ | | | H | | H | 1 | | | | 60 0 | Large Units stuck on slow spin |
| Had maintenance come out to switch around plates, fish dumped into sorting tank and tagged Shad for telementy study. 5/9/2001 800-1130 2.8.1 X X X X X X X X X X X X X X X X X X X | Jru/2001 | | | + | | -+ | + | + | | | | | | | - | | | + | | + | | | | | 6.00 | cargo ormo stock on allow apin |
| 1130-1530 3.8.1 | | Had maintena | nce come out to swi | itch are | ound p | | | | to sortin | g tank | and tag | gged Sha | ad for t | eleme | | ły. | | | | | | | | | | |
| 1530-1800 | 5/9/2001 | | | _ | \vdash | | | | | +- | | | | | [| X | | | | | \vdash | | | | 71.6 | Large units stuck on slow spin. Both doors on hopper open, maintenance came out to fix. |
| 5/10/2001 800-850 2 & 1 X X X X X X X X X X X X X X X X X X | | | | + | \vdash | ^ | - ^ | + | ^ | + | + | ^ X | + ' | | -+ | X | | | | H | | | | | | |
| 880-1100 2 8 1 | | 800-850 | 2 & 1 | L | | | ᆂ | L | | r | | | | | | X | | | | | | 4 | 106.2 | 16.5 | 74.3 | |
| 1335-1430 2 & 3 | | | | | | Х | 1 | Ε | Х | T | | | | (| | | | | | | | | 106.6-106.9 | | | |
| | | | | - | \vdash | | + | + | - | + | + | - | + | + | -+ | | | + | | H | | | | | | |
| Trade manifestation of the data of the planes, not dempte into soliding talin and tagged 40 oried for telementy actuals. | | Had maintena | nce come out to swi | itch are | ound p | lates, fish | n dump | ed in | to sortin | g tank | and tag | gged 40 | Shad f | or tele | metry : | | | | | | | | | | | |
| 1515-1730 2 & 3 | | 1515-1730 | 2 & 3 | | | | | | | | | | | | Í | X | 95 | | 70 | | | 10 | 108.1-108.5 | 19 | | |

| Date and Officiary serving are in percent governal processory and subtract of the Transport Control of Contr | rder, limit switch failed. |
|--|--|
| Detail Time Command Rumpy 1 2 3 4 5 6 7 8 9 10 11 A 8 C Setting A 8 A 8 A 8 A 8 C Setting C Sett | rder, limit switch failed. |
| Dec Time Commail Number Time Commail Number Time Ti | rider, limit switch failed. |
| 1750-1830 | rder, limit switch failed. |
| 5112001 580-1300 2.8.3 | rder, limit switch failed. |
| 13011320 2 & 3 | witch failed. |
| 1400-1430 | |
| 615/2001 600-1630 2 8 0 | |
| Section Sect | |
| 830-1500 2 & 0 | |
| 1500-1750 | |
| September Sept | |
| 1360-1316 2.8 2 | |
| 1315-1400 | |
| Head maintenance curt to switch around plates, fish dumped into scring tank and tagged Shad for telemetry study. | |
| 1500-1750 | |
| 900-1240 900-1240 2 8 0 | |
| 1240-1530 | alass and be |
| 1530-1800 | now spin. |
| Street S | |
| 930-1020 | |
| 1020-1400 | |
| 1515-1645 | |
| 1645-1800 | |
| 9/18/2007 800-1715 2.8.2 | |
| 99-1715 2 & 2 | |
| 1715-1745 | |
| S20/2001 800-1730 2.8.3 | |
| S21/2001 S30-1320 2 & 0 | slow spin |
| 1530+1720 | - ' |
| Section Sect | |
| 1050-1345 2 & 0 | |
| 1345-1530 2 & 8 0 | |
| 1530-1540 4 & 2 | |
| 1540-1750 | |
| 1025-1300 | |
| Had maintenance come out to switch around plates, fish dumped into sorting tank and tagged 50 Shaff or letementy study. | slow spin |
| 1415-1450 | |
| 1450/145 2.8.0 X | |
| 5/24/2001 800-920 2 & 0 10 105.4-105.5 18 70.2 920-1240 2 & 0 1 X 74 30 10 105.4-105.5 18 70.2 1240-1535 2 & 0 1 X 74 30 10 105.7-106.3 18 18 1535-1730 2 & 0 1 X 80 55 30 105.7-107.3 18 5/252001 800-1000 2 & 0 X 79 35 45 107.7-108.1 18 1000-1400 2 & 3 X 74 30 10 106.9-107.0 18.0-18.5 70 1000-1400 2 & 3 X 79 70 10 107.7-108.1 18.0-18.5 70 | |
| 920-1240 2 8 0 | |
| 1240-1535 2 & 0 | |
| 1535-1730 2 & 0 | |
| 5/25/2001 800-1000 2 & 0 | |
| 1000-1400 2 & 3 X 95 70 10 107.3-107.8 18.5 | |
| | |
| | |
| 5/26/2001 1000-1700 1 & 3 | |
| | door was bent, maintenance came out and swapped out cylinders. |
| 5/28/2001 1045-1240 3 & 0 X 79 35 4 108 16.5 71.6 Downstream weir gat | e tripped |
| 1240-1730 4 8 1 | |
| 3/29/20/11 1000-1140 4 & 1 10 100-4 21 71.4 1140-1340 4 & 1 1 1 140-1340 4 & 1 7 100.5 21 | |
| 1140-1730 | |
| 5/30/2001 1030-1240 2 & 0 X 79 35 10 1080-108.4 18 71.4 | |
| 1240-1315 4 & 1 | |
| 1315-1340 4 & 3 | |
| 1340-1700 4 & 3 X 40 60 30 108.5-108.6 22 | |
| 5/31/2001 1000-1220 None X 79 35 10 1072-107.8 18 69.8 NO.UNITS.ON' 10.0 1220-1615 48.1 X 70 70 10 10.0 1080-108.5 21 | |
| 1220-1615 4 & 1 | |
| 6/1/20/1 1000+300 1 4 3 10/3-10/3 18.0-18.5 69.9 10 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.9 10/3-10/8 18.0-18.5 69.0 10/3-10/8 18.0-18.5 69.0 10/3-10/8 18.0-18.5 69.0 10/3-10/8 18.0-18.5 69.0 10/3-10/8 18.0-18.5 69.0 10/3-10/8 18.0 10/3-10/8 1 | |
| 1300+1700 46.1 | |
| 022001 1000-1000 1 6.3 107.0-100.0 16.3 08.0 1 X 70 70 110 108.9 21 | |
| 6/3/2001 1000-1700 1 & 3 1 1 X 79 35 10 106-9-108.0 17.5 72.5 Trash rack "A" tripper | |
| 6/4/2001 1030-1125 1 & 0 X 75 35 20 107.3-107.6 18 70.7 | 1 |
| 1125-1500 4 & 1 X 84 70 10 107.9-108.2 20 | 1 |
| 6/6/2001 1030-1210 4 & 0 X 84 70 10 107.8-108.2 20 70 | 1 |
| 1210-1345 4 & 2 1 1 X 70 70 10 1082-1084 21 | 4 |
| | 1 |

| | to and Differ | | - 1 | | | | | -1 | | -11 | -11 | | ! 6 | | | | | 4-1 1- | | 4 4- | | | to the second se |
|------------------------|-------------------------------------|-------------------------|------------|--------|-------------|---|--------|----|-----|------|---------|--------|----------------|----|----------|----------------|----------|----------------|---------|---|-------------------------------------|----------------|--|
| Ga | te and Diffu | Generation | e in pe | | all Uni | | la tor | | | | | | Gate | | e mean | | | | | | Tailrace | Water | ter temperature was taken in the morning from the surface of the trough. |
| Date 4/5/2010 | Time 1100-1500 | (small & large) | 1 2 X X | 3 | 4 5 | 6 | 7 X | 8 | 9 1 | 0 11 | Weir Ga | С | Setting N/A | A | B 50 | A 9 | B 9 | Area Gate | | Forebay Elevation 106.8-107.1 | Elevation | Temp F 58.1 | Language of the state of NACC in an analysis of the state |
| 4/7/2010 | 945-1310 1310-1635 | 7 & 4 5 & 4 7 & 4 | X X | | х | | х | х | x : | х х | | X | 44 35 | | 60 | 13 | 12 | 31 30 | 1 | 107.1-107.3 107.0-107.2 | 23.0-24.0 22.5-23.0 22.5-23.5 | 59.4 | Hopper would not rise on last lift and DWG is not working correctly. Crowder doors closed by themselves. Hoppr stopped 60% of the way up. Upper limit switch. |
| 4/9/2010 | 700-800 | 3 & 0 | X X | | х | Х | х | | | | х | | 82 45 | 10 | 50 | 13 14 14 | 14 | 25 | | 106.8 | 18.5 | 61.7 | Large amount of debris on screens |
| 4/11/2010 | 800-1010 1010-1615 730-1000 | 6 & 3 7 & 4 2 & 0 | X X | X . | X X | Х | X X | Х | x : | x x | x | X | 40 92 | 6 | 50 | 14 | 14 | 30 30 | 1 | 106.7-107.0 106.2-106.9 | 22 23 18 | 64.4 | Crowder doors are opening and closing on themselves |
| 4/11/2010 | 1000-1155 | 4 & 0 | | H | хх | Х | х | | | | х | 1 | 82 | 6 | | 12 | 12 | 20 | 1 | 107.4-107.8 | 19.5 | 04.4 | Problem with opening Diff. A |
| | 1155-1355 1355-1655 | 4 & 0 4 & 1 | | | | Х | X | | | | Х | х | 77 | 6 | 50 | 12 | 12 | 25 25 | 1 | 108.0-108.3 108.4-108.5 | 19.5-20.0 | | |
| 4/13/2010 | 830-1200 1200-1400 | 6 & 3 3 & 1 | X | X | Х | X | Х | | х | Х | | X | 40 | | 40 | 13 | 14 | 25 | 1 | 107.1-107.2 | 22.8-23.0 | 62.6 | Tripped DWG breaker |
| 4/14/2010 | 1400-1650 800-1415 | 4 & 2 4 & 2 | | X | x | Х | Х | | х | | | X | 50 | | 40 | 14 | 14 | 31 | 1 | 107.7-107.8 106.8-107.7 | 21.5-22.0 | 61.5 | |
| 4/15/2010 | 1415-1640 800-1630 | 4 & 2 4 & 2 | | | хх | | х | | X | | | X | 65 55 | | 50 | 14 | 14 | 31 | 1 | 107.3-107.7 | 22 21.5 | 62.7 | |
| 4/16/2010 | 0815-0905 905-1640 | 2 & 0 4 & 2 | | | X X | Х | X | х | х | | | X | 90 55 | | 50 60 | 14 | 14 | 30 | 1 | 106.6 | 18 | 63 | |
| 4/17/2010 | 800-1615 1615-1630 | 3 & 0 5 & 0 | | X. | | Х | | | | | Х | Х | 80 65 | 5 | 25 | 11 | 14 | 30 25 | \perp | 108.4 | 17.0-18.5 | 64.4 | Largeamount of debris on screens |
| 4/18/2010 4/19/2010 | 1300-1700 800-1235 | 3 & 1 4 & 0 | | | | X | х | Х | | | х | х | 78 82 | 5 | 40 | 12 | 12 | 25 25 | 1 | 108.2-108.4 | 19.5 | 60.8 | Large amount of debris on screens and in hopper. Late staart |
| | 1235-1650 1650-1830 | 4 & 0 6 & 3 | х | X | хх | Х | X | | х | х | X | х | 78 50 | 10 | 50 | 14 | 14 14 | 30 30 | 1 | 108.0-108.3 108.0-108.3 | 19.7-20.0 22.5 | | Maint came out and raised Diff A to 10%to be left here for the year. |
| 4/20/2010 | 800-1205 1205-1700 | 4 & 1 2 & 0 | | H | х | | Х | Х | | | х | X | 71 88 | 10 | 50 | 14 | 14 14 | 30 30 | 1 | 106.4-106.7 106.9-107.9 | 20.5-20.8 | 61.7 | |
| 4/21/2010 | 1700-1815 830-1215 | 4 & 1 4 & 1 | х | | | X | | X | | | | X | 71 70 | 10 | 50 40 | 14 | 14 | 30 30 | 1 | 107.9-108.0 106.3-106.7 | 20.5 20.5 | 61 | UWG stopped at 14 on the way closed. Maint. Said it was a thermal breaker. |
| | 1215-1705 1705-1845 | 2 & 0 7 & 3 | x x | | | | X | х | х | х | | х | 94 46 | 10 | 50 | 16 14 | 16 14 | 30 40 | | 108.7 | 18.5 23 | | |
| 4/22/2010 | 815-1015 1015-1215 | 4 & 0 4 & 2 | | | x x | | Х | х | х | | | х | 78 52 | 10 | 50 | 14 14 | 14 14 | 30 30 | 1 | 106.5-106.9 107.0-107.1 | 19.8 21 | 62.6 | |
| | 1215-1710 1710-1840 | 2 & 0 6 & 3 | x | x | X X X | х | X | | х | Х | | х | 90 43 | 10 | 50 | 16 | 16 | 30 | 1 | 107.4-108.3 | 19 | | |
| 4/23/2010 | 800-1320 1320-1700 | 4 & 2 2 & 0 | | Ħ | XX | | X | | X | | x | X | 52 88 | 10 | 50 | 14 | 14 | 30 | | 106.2-107.0 | 19 | 62.1 | 1030-1105 Maint. Fixed window gate |
| 4/24/2010 | 1700-1745 800-1830 | 4 & 2 2 & 0 | | H | X X | | X | Х | х | | X | х | 52 86 | 10 | 50 | 14 | 14 | 30 | | 107.4 | 21 18.5-19.0 | 61.7 | Trash Rack A would not lower correctly at end of night Gate A tripped breaker |
| 4/25/2010 | 800-1020 1020-1505 | 2 & 0 2 & 0 | | H | X | | X | | Н | | X | # | 94 88 | 2 | | 14 | 14 14 | 30 | 1 | 105.5-105.8 106.0-106.5 | 18 | 61.7 | Diffuser A mystically closed |
| | 1505-1700 1700-1835 | 2 & 0 4 & 0 | Н | H | | Х | | | Н | | X | 1 | 90 80 | 2 | | 14 | 14 14 | 30 30 | 1 | 106.5-106.7 106.7-106.8 | 18 19.5 | | |
| 4/26/2010 4/27/2010 | 800-1630 800-900 | 4 & 2 2 & 0 | | | х | | х | х | х | | х | х | 55 82 | 10 | 50 | 14 14 | 14 14 | 30 30 | | 106.8-107.1 | 21.5-22.1 19 | 60.5 62.2 | Maint. fixed Trash Rack A first thing this morning |
| | 900-1300 1300-1620 | 4 & 0 2 & 0 | | H | Х | X | | | | | x | | 76 87 | 10 | | 14 | 14 14 | 30 30 | | 06.5-106.8 106.8-106.9 | 19.5-19.8 19 | | |
| 4/28/2010 | 1620-1820 800-915 | 6 & 3 2 & 0 | х | X | x x x x | | х | х | х | х | х | х | 48 88 | 10 | 50 46 | 14 | 14 14 | 30 30 | 1 | 105.8 | 22.5 18.5 | 61.7 | |
| | 915-1000 1000-1630 | 4 & 0 4 & 2 | | | X X X X | X | х | | х | | х | х | 72 55 | 10 | 46 50 | 14 | 14 14 | 30 30 | | 106.2 106.9-107.2 | 21 21.5 | | |
| 4/29/2010 | 800-1300 1300-1630 | 2 & 0 7 & 3 | хх | X. | X X X | | X | | x : | | х | х | 90 42 | 10 | 50 | 14 | 14 | 30 35 | | 107.0-107.9 107.6-108.0 | 18.5-19.0 23 | 61.7 | UWG A tripped while closing |
| 4/30/2010 | 800-1200 1200-1640 | 5 & 3 7 & 3 | x x | X . | x x | Х | X | Х | X | X | | X X | 45 40 | 10 | 50 50 | 14 | 14 | 26 26 | 1 | 106.2 106.2-106.4 | 22.5-23.0 23 | 60.8 | |
| 5/1/2010 | 800-1300 1300-1800 | 4 & 2 6 & 4 | X | | | X | X | | X : | x x | | X | 55 40 | 10 | 50 50 | 14 | 14 | 30 30 | | 106.1-106.7 106.9-107.1 | 21.0-22.0 23.1-23.5 | 61.7 | |
| 5/2/2010 | 730-1015 1015-1410 | 2 & 0 4 & 2 | X | | X | | х | х | х | | х | х | 95 58 | 10 | 50 | 14 | 14 14 | 20 30 | | 106.5-107.3 107.5-107.7 | 18 22 | 61.9 | |
| 5/3/2010 | 1410-1840 800-1200 | 6 & 4 2 & 0 | X | х . | X X | | х | х | x : | | х | х | 47 97 | 10 | 50 | 14 | 14 14 | 35 30 | | 107.4-107.8 107.2-107.8 | 23 18.5 | 63.5 | |
| | 1200-1215 1215-1830 | 7 & 0 7 & 3 | X X | | X X X X | X | X | х | х | х | | X X | 48 48 | 10 | 50 50 | 14 | 14 14 | 30 30 | | 107.8 108.0-108.5 | 23 23 | | |
| 5/4/2010 | 800-1200 1200-1700 | 4 & 0 6 & 4 | X | X. | | X | x | х | x : | x x | х | х | 78 38 | 10 | 50 | 14 | 14 14 | 30 30 | | 107.1-108.1 108.0-108.2 | 20.0-20.4 | 65.7 | |
| 5/5/2010 | 800-1100 1100-1630 | 4 & 0 7 & 3 | x x | X X | x x | | x | х | х | x | х | х | 85 48 | 10 | 50 | 14 | 14 14 | 30 35 | | 107.2-107.9 107.6-108.0 | 19 22.8-23.0 | 66.3 | |
| 5/6/2010 | 800-1400 1400-1600 | 2 & 0 7 & 3 | X X X | | Х | | х | | x : | x x | х | х | 85 38 | 10 | 50 | 14 | 14 14 | 30 30 | 1 | 105.9-108.0 108.0-109.0 | 18.0-19.0 23 | 66.5 | |
| 5/7/2010 | 1600-1635 815-1130 | 7 & 4 4 & 1 | X X | | X X | | x | | | x x | | X | 35 65 | 10 | 50 50 | 14 | 14 | 30 30 | 1 | 109 106.5-107.2 | 23.5 21 | 70 | |
| | 1130-1410 1410-1850 | 4 & 1 6 & 3 | X | | X X X | X | X | X | х | х | | X | 65 48 | 10 | 50 50 | 14 | 14 | 35 40 | | 107.2-107.7 107.5-107.7 | 21 23 | | |
| 5/8/2010 | 800-1100 1100-1630 | 2 & 0 4 & 2 | X | | X | х | x | x | x | | х | х | 85 50 | 10 | 50 | 14 | 14 | 30 30 | | 106.6-107.0 107.0-108.0 | 19 22.0-22.5 | 70.7 | |
| 5/9/2010 | 710-855 855-945 | 2 & 0 2 & 0 | X | | X | | | - | | | X | + | 95 100 | 10 | | 15 15 | 15 15 | 25 25 | ł | 106.9 107.2 | 18 18 | 68.2 | |
| | 945-1115 1115-1640 | 2 & 0 6 & 1 | X | | | х | | х | | | х | х | 95 60 | 10 | 50 | 15 15 | 15 15 | 25 35 | | 107.2-107.7 106.7-107.6 | 18 21.5 | | |
| 5/10/2010 | 800-1000 1000-1145 | 4 & 1 4 & 0 | X | | | X | x | х | | | х | Х | 65 78 | 10 | 50 | 14 | 14 14 | 30 30 | | 106.4 106.3-106.4 | 19.5-20.0 20.0-20.5 | 67.1 | |
| | 1145-1305 1305-1800 | 4 & 0 2 & 0 | X | | | Х | | | | | X X | - | 74 85 | 10 | | 14 | 14 14 | 35 30 | | 06.4-106.5 106.5-107.7 | 19.5-20.1 19 | | |
| 5/11/2010 | 1800-1830 745-1000 | 4 & 2 4 & 2 | X | | | Х | | X | x | | | X X | 55 55 | 10 | 50 50 | 14 | 14 14 | 30 30 | 1 | 107.7 106.5-106.8 | 22 22 | 67.1 | |
| | 1000-1545 1545-1800 | 2 & 0 2 & 0 | X | | X | | H | F | | | X | ₹ | 82 88 | 10 | | 14 | | 30 30 | 1 | 07.0-107.8 108.0-108.4 | 19 19 | | |
| 5/12/2010 | 750-1005 1005-1515 | 6 & 1 3 & 0 | X | | X X | Х | X | Х | Ы | | х | х | 55 80 | 10 | 50 | 14 | 14 14 | 30 30 | 1 | 06.4-106.6 106.4-107.7 | 21.5 19.3-19.5 | 65.7 | |
| 5/13/2010 | 1515-1800 800-945 | 3 & 0 2 & 0 | X | | X | | х | F | H | | X | J | 87 85 | 10 | | 14 | 14 | 30 30 | 1 | 07.9-108.6 105.3-105.9 | 19.3-19.4 18.5-19.0 | 65.3 | |
| | 945-1115 1115-1245 | 2 & 0 2 & 0 | X | | X | | H | F | H | | X | J | 88 90 | 10 | | 14 | 14 14 | 30 30 | | 106.3-106.5 106.8 | 19 19 | | |
| | 1245-1515 1515-1700 | 2 & 0 2 & 0 | X | H | X | | H | | H | | X X | 7 | 94 96 | 10 | | 14 | 14 | 30 30 | | 107.3-107.8 | 19 19 | | |
| 5/14/2010 | 800-1030 1030-1100 | 7 & 4 7 & 4 | x x x x | | | | | | | x x | | X X | 32 37 | 10 | 50 50 | 14 | | 30 30 | 1 | 105.5-106.0 105.4 | 23.5 23.5 | 67.1 | |
| | 1100-1300 1300-1620 | 4 & 1 7 & 4 | x x | | хх | X | X X | X | | ĸ x | | X X | 73 34 | 10 | 50 50 | 14 | 14 14 | 30 30 | 10 | 05.8-106.1 05.7-105.8 | 20.6 23.4-23.5 | | |
| 5/15/2010 | 800-1140 1140-1400 | 6 & 1 6 & 1 | X | X : | x x x x | X | X | X | | | | х | 60 55 | 10 | 50 | 14 | | 25 30 | 1 | 07.3-107.5 107.3-107.4 | 21.5-22.0 | 64.4 | |
| 5/16/2010 | 1400-1630 745-1255 | 7 & 4 6 & 1 | X X | Χ. | хх | Х | X | Х | X : | хх | | x | 30 60 | 10 | 50 | 14 | 14 | 30 | 1 | 107.4-107.5 106.5-106.7 | 23.5-24.0 | 62.6 | |
| 5/17/2010 | 1255-1630 800-1145 | 6 & 1 6 & 1 | х | X. | хх | Х | | Х | | | | X | 65 57 | 10 | 50 | 14 | | 40 | 1 | 106.7-107.2 | 21.5 | 63.5 | |
| | 1145-1300 1300-1800 | 6 & 4 6 & 4 | х | | хх | | х | Х | x : | x x | | x | 45 42 | 10 | 50 | 14 | 14 | 25 25 | 1 | 107.0-107.2 106.2-107.0 | 23 22.5-23.5 | | |
| 5/18/2010 | 800-1130 1130-1300 | 2 & 0 2 & 0 | X | | Х | | | | | | x x | # | 82 95 | 10 | | 14 | 14 | 30 30 | 1 | 106.0-107.0 107.0-107.8 | 18.5-19.3 19.3-19.5 | 63.3 | |
| | 1300-1315 1315-1630 | 4 & 2 7 & 4 | X | | х | Х | х | X | X X | | | x | 60 | 10 | 50 50 | 14 | 14 | 30 | | 107.8 | 22 23.4-23.5 | | |
| 5/19/2010 | 800-1135 1135-1300 | 4 & 0 4 & 0 | X | | Х | | Х | | H | | x | # | 96 83 | 10 | | 14 | 14 | 30 | 1 | 05.9-106.3 | 18.5-19.8 19.5-19.6 | 64.3 | |
| 5/20/2010 | 1300-1640 800-945 | 6 & 3 4 & 2 | X | x . | хх | х | х | X | | х | | x | 48 62 | 10 | 50 50 | 14 | 14 | 30 25 | 1 | 06.5-106.8 107.0-107.2 | 22.8 | 65.7 | |
| | 945-1300 1300-1320 | 4 & 2 4 & 2 6 & 3 | Х | | X | X | X | X | X | x | | X | 55 42 | 10 | 50 | 14 | 14 | 25 25 30 | | 107.0-107.2 | 22 23 | 00.7 | |
| | 1320-1510 1510-1600 | 7 & 3 4 & 2 | x x | Χ. | X X | Х | X | Х | X : | X X | | X | 42 42 50 | 10 | 50 | 14 | 14 | 30 | ١. | 106.5 | 22.0-22.5 19.5 | | |
| 5/21/2010 | 1600-1800 0745-0900 | 3 & 0 2&0 | X | | | Х | | 1 | Ħ | | x x | | 90 | 10 | w | 14 | 14 | 30 30 25 | 1 | 107.1-107.3 | 19.0-19.5 | 66.8 | |
| 01£11£010 | 0745-0900 0900-1400 1400-1720 | 4&2 7&4 | | x : | | | х | Х | x | | | x | 92 60 38 | 10 | 50 | 14 | 14 14 | 30 35 | 1 | 108.0-108.2 108.2-108.5 108.1-108.5 | 19 19.0-22.0 22.0-23.5 | 00.0 | |
| 5/22/2010 | | 7&4 2&0 | X | | X | L | Ħ | | | | х | | 38 85 | 10 | 50 | 14 | | 35 30 | 1 | 106.1-107.3 | 22.0-23.5 19.0-22.5 | 67.1 | |

| Ga | te and Diffu | | e in | per | | | | ind fo | | | | | | | | | | | | | | | | ter temperature was taken in the morning from the surface of the trough. |
|------------------------|-------------------------------------|-------------------------------|------|--------|--------|---------------|----------|----------|-----------|----------|----|----|-----|--------|----------------|----------|-------------|----------|----------|----------------------|----|--|-----------------|--|
| Date | Time | Generation (small & large) | | | 3 | all Un 4 5 | . 6 | 6 7 | | 8 9 | 10 | 11 | A B | C | Setting | A | В | A | В | Crowder Area Gate | | Forebay Tailrace Elevation Elevation | Water Temp F | |
| 5/23/2010 | 1200-1630 0645-1000 | 6&2 2&0 | | X | | X X | () | K | $\Pi \Pi$ | x x | TT | | х | х | 55 100 | 10 | | 14 | 14 14 | 35 20 | | 106.5-107.5 22.5 107.1-107.4 18.25-18.50 | 67.5 | |
| | 1000-1400 1400-1700 | 4&2 4&1 | | | | | | x x | | X X | | | | x | 65 70 | 10 | | 14 | 14 14 | 35 35 | | 107.3-107.6 18.5-22.0 107.3-107.4 21.0-21.8 | | |
| 5/24/2010 | 0730-1200 1200-1630 | 2&0 6&3 | | X | x : | x x | | x x | H | x x | | х | | x | 100 48 | 10 | | 18 14 | 18 14 | 20 40 | | 108.0-108.8 18.5 108.4-108.9 18.5-23.3 | 68 | |
| 5/25/2010 | 0800-1200 1200-1600 | 4&0 6&3 | | X | | | | x x | | x x | | х | | х | 100 48 | 10 | | 18 14 | 18 14 | 20 30 | | 108.0-108.7 19.4-23.0 108.7-109.1 22.9-23.1 | 70.3 | |
| 5/26/2010 | 0800-0930 0930-1300 | 2&0 6&2 | | X | х . | X X | | x x | H | x | | х | х | х | 86 70 | 10 10 | | 14 | 14 14 | 30 30 | | 107.6-107.9 19 107.2-107.6 19.0-22.5 | 73 | |
| 5/27/2010 | 1530-1620 0800-1400 | 7&4 2&0 | | | X : | | () | | | х | х | х | х | х | 40 100 | 10 | | 14 20 | 14 20 | 35 30 | | 106.8-107.1 23.5 106.5-108.3 18.5-23.2 | 73.4 | |
| 5/28/2010 | 1400-1600 0730-1100 | 6&4 2&0 | | X | X. | | | х х | H | х | х | х | х | х | 42 100 | 10 | 50 | 14 18 | 14 18 | 30 20 | 1 | 108.4-108.6 23.2-23.5 107.6-108.1 18.5-21.0 | 73.1 | |
| U/LU/LU/U | 1100-1515 1515-1630 | 4&1 6&2 | | | x | | | x x | H | x x | | | _ | x | 74 | 10 | 50 | 18 | 18 | 30 30 | | 108.0-108.2 21.0-21.2 108.1 21.0-22.5 | 70.1 | |
| 5/29/2010 | 0800-1300 1300-1545 | 2&0 4&1 | | X X | T | ^ × | | x x | Ħ, | x x | | | х | | 100 | 10 | 50 | | 14 | 30 | 1 | 107.0-108.8 18.5-20.5 108.8 20.5 | 75.2 | |
| 5/30/2010 | 0715-1435 | 2&0 | | X | 1 | × | | | | | | | х | X | 100 | 10 | | 16 | 16 | 20 | | 107.5-108.7 18.3 | 75.5 | |
| | 1435-1510 1510-1612 | 4&1 6&3 | | | X. | | , | x x | H | x | | | | X | 75 60 | 10 10 | 50 | | | 30 30 | 1 | 108.6-108.7 18.3 108.5-108.6 21.0-22.5 | | |
| 5/31/2010 | 0730-1415 1415-1600 | 2&0 4&1 | | X | | | | ĸ x | 1 | x | | | | х | 30 75 | 10 10 | 50 | 14 | 14 14 | 20 20 | 1 | 107.4-108.3 17.8 108.3-108.6 17.8-20.6 | 78.8 | |
| 6/1/2010 | 0800-1230 1230-1400 | 2&0 6&3 | | X | X : | x x | () | K X | | x x | | х | х | х | 100 45 | 10 | 50 | 14 | 14 14 | 20 30 | 1 | 107.3-108.0 17.8 107.6-108.0 17.8-23.0 | 79.3 | |
| 6/2/2010 | 0800-1215 1215-1410 | 2&0 4&2 | | X | | | | | | x x | | | х | х | 100 60 | 10 | 50 | 14 14 | 14 14 | 20 20 | | 106.8-107.5 18.0-19.0 107.5-108.0 19.0-23.0 | 80.6 | |
| 6/3/2010 | 1410-1615 0800-1200 | 7&3 2&0 | | X | | XX | | K X | | x x | | Х | х | х | 45 100 | 10 | | 14 | 14 14 | 30 20 | 1 | 107.6 23 106.4-106.8 18.0-22.5 | 80.6 | |
| 6/4/2010 | 1200-1600 0800-1420 | 4&3 2&0 | | | | | () | | | х | | Х | х | х | 55 100 | 10 | | 14 | 14 | 30 25 | | 106.8-107.3 22.5 106.6-108.1 17.5-18.0 | 81.5 | |
| 6/5/2010 | 1420-1600 0800-1300 | 4&2 2&0 | П | ٦ | - | х | . , | х | | х | Ħ | | X | х | 65 | 10 | 25 | | 17 | 30 25 | 1 | 107.9-108.1 18.0-22.0 107.1-108.3 18.5-20.5 | 83.3 | |
| | 1300-1400 | 5&1 | X | | X | × | () | | | x x | | | | x | 75 60 | 10 | 50 | 14 | 14 | 30 | 1 | 108.2-108.3 20.5-22.0 108.0-108.3 22.0-23.5 | | |
| 6/6/2010 | 0730-1200 1200-1500 | 2&0 4&1 | İ | х | | , , | | | | x | Ħ | _ | х | x | 100 | 10 | | 14 | | 20 | 1 | 107.0-107.6 17.2 107.6-107.8 17.2-20.9 | 83.3 | |
| | 1200-1000 | 40.1 | Ħ | | 1 | ŧ | ť | ^ | Ħ | | Ħ | | 1 | Î | 70 | 10 | JU | 14 | 14 | 30 | Ħ | 17.2-20.9 | | |
| | | | | | 1 | # | t | + | Ħ | + | Ħ | # | 1 | Ħ | | H., | | | | | Ħ | | | |
| 4/1/2009 | 1000-1105 | 6 & 2 | Н | X | X | x x | :) | | | x x | Ħ | | | х | 55 | 10 | 50 | 13 | 13 | 25 | Ħ | 105.5 21.7 | 48.7 | |
| 4/2/2009 | 1105-1445 1000-1100 | 2 & 0 6 & 2 | | | X. | хх | | X X | TT: | x x | Н | | X | х | 92 55 | 10 | 50 | 13 | 13 | 25 | | 105.5-106.0 17.5-18.0 105.7 21.5 | 50.9 | |
| 4/3/2009 | 1100-1600 1015-1105 | | | X | X | | | X X | | x | x | | Х | x | 95 45 | 10 | 50 | 13 | 13 | 25 | ď | 106.1-107.4 17.5-18.0 105.6 22 | 51.8 | |
| | 1105-1205 1205-1620 | 4 & 0 2 & 0 | | X | - |) | () | x x | H | | | | x | | 77 97 | 6 5 | | 13 13 | 13 13 | 25 20 | 1 | 105.7 22 105.7-107.1 17.5 | | |
| 4/6/2009 4/8/2009 | 900-1500 800-900 | | X | | X . | | | x x | | X X | | X | | x | 40 50 | | 50 50 | 13 13 | 13 13 | 15 25 | 1 | 106.3-107.0 23.5 104.8 22.8 | 55.9 52.7 | |
| 4/10/2009 | 900-1500 810-1500 | | | | | | | | | | x | | | x | 35-50 45 | | 50 50/70 | | 13 13 | 25 35/15 | | 104.8-105.3 23.0-23.5 107.9-108.3 23.0-23.4 | 50.9 | Crowder screen hoist upper limit failed |
| 4/13/2009 4/15/2009 | 900-1115 830-1115 | | Х | X | Χ. | X X | | x x | | x x | X | Х | | x | 38 40 | | 50 70 | 13 | 13 13 | 25 25 | | 106.7-107.1 23.5 106.2-106.5 23.5 | 50.0 50.0 | Crowder screen hoist lower limit failed. |
| | 1115-1215 1215-1615 | 4 & 0 2 & 0 | х | | | | () | x x | | | | | | | 80 98 | 5 | | 13 | 13 | 25 15 | | 106.3-106.4 19.5 106.6-107.5 17.5 | | |
| 4/17/2009 | 1615-1700 900-1200 | 4 & 0 | | | | хх | | X | | , , | x | | Х | х | 85 40 | 3 | 50 | 13 | 13 | 20 | 1 | 108.0-108.2 19 106.6-106.8 23 | 50.9 | |
| 4/19/2009 | 1200-1710 830-1610 | 4 & 0 2 & 0 | x | X | | |) | | | ^ | Ŷ | | X | Ŷ | 82 92 | 10 | | 13 | 13 | 25 20 | 1 | 107.0-108.3 19 106.7-108.6 18 | 53.3 | |
| 4/20/2009 | 1610-1700 830-1100 | | х | | X. | хх | | х х | tt | x x | | | x | | 65 35 | 10 | | 13 | 13 | 25 25 | | 108.4 20.5 | 54.5 | |
| | 1100-1715 | 6 & 0 | X | | X. | x x | | х х | | | | X | | X | 70 | 10 | | 13 | 13 | 25 | 1 | 106.8-107.9 20 | | |
| 4/21/2009 | 800-1100 1100-1200 | 7 & 0 | Х | | | x x | | x x | Ш | x x | X | | x | х | 35 60 | 15 | | 13 | 13 | 25 25 | 1 | 105.6-106.4 23.5 106.0-106.9 19.3 | 55.0 | |
| 4/22/2009 | 1200-1730 830-1215 | | X | х | | | () | X X | | | x | х | | х | 80 35 | 10 | 52 | | | 25 25 | 1 | 107.3-108.0 18.5-18.8 106.5-106.9 23.5 | 56.0 | |
| 4/23/2009 | 1215-1700 800-1100 | | х | х | Χ. | x x | () | x x | | x x x | | х | | x | 70 35 | | 52 62 | 13 | 13 13 | 25 25 | | 106.6-108.1 20.9-21.0 106.5-106.8 23.5 | 55.8 | |
| | 1100-1200 1200-1600 | 4 & 2 3 & 0 | | | | X | | X X | | x x | | | X | | 55 80 | 15 8 | | 13 13 | 13 13 | 36 25 | 1 | 106.3 20.1 107.1-107.8 19 | | |
| | 1600-1700 1700-1800 | 4 & 2 7 & 4 | х | х | | | :) | x x | | X X | х | х | х | х | 55 35 | 15 | 62 | 13 | 13 13 | 36 25 | H | 107.5 23.5 107.7 23 | | |
| 4/24/2009 | 800-1100 1100-1700 | | x | X | X | | | x x | | х | х | | х | х | 35 75 | 8 | 62 | 13 13 | 13 | 25 30 | | 105.4-106.0 23.5 105.8-107.6 19.5-19.9 | 57.2 | |
| 4/25/2009 | 830-1300 1300-1400 | 2 & 0 | | х | | X X | | X X | | x | | | X | | 95 | 7 | | 13 | 13 | 18 | 1 | 106.4-108.5 18 108.5 21 | 59.2 | |
| 4/26/2009 | 1400-1600 815-1330 | 7 & 4 2 & 0 | | | Χ. | | | x x | | x x | х | | | х | 35 92/100 | 5 | 57 | 13 | 13 | 31 20 | | 107.6-108.4 23.5 106.8-108.1 18 | 58.1 | |
| 7/20/2000 | 1330-1410 1410-1650 | 4 & 1 7 & 4 | y | | Χ. | x x | | х | | x x | , | x | ^ | x | 74 | , | 50 65 | 13 | 13 | 25 45 | | 108.00 108.1 18 108 20 107.6-108.1 23 | J0.1 | |
| 4/27/2009 | 830-1115 | 2 & 0 | ^ | | | × | | XX | П | | | | х | | 90 | 8 | | 13 | 13 | 20 | 1 | 107.3-107.8 18.2 | 60.8 | |
| | 1115-1225 1225-1700 0815-1430 | 4 & 1 7 & 4 | х | х | X . | x x | | X X | Ħ: | x x | x | X | # | X X | 38 | 3 | 60 | 13 | 13 | 25 25 35 | 1 | 108.1-108.2 20.8 107.1-108.0 23.5 | 00.7 | |
| | 1430-1800 | | х | х | х | X X | () | x x | Ħ: | х | X | Х | | X | 38 | L | 65 | | 13 | 50 | 1 | 107.2-107.8 20.5 107.3-107.7 23 | 62.6 | |
| 4/29/2009 | 0830-1210 1210-1420 | 2 & 0 2 & 2 | Ц | | 1 | × | | ĸ | | x | | | | х | 86 70 | 15 | 40 | 13 | 13 | 25 30 | | 107.3-108.6 18 108.7 21 | 64.4 | |
| 4/30/2009 | 1420-1900 800-1130 | 3 & 4 2 & 3 | | х | | х | , | Х | | x x | X | X | х | x | 50 54 | 5 | 52 53 | 13 | 13 | 32 | 1 | 107.5-108.6 23 106.3-106.6 21.5 | 62.6 | |
| | 1130-1730 1730-1800 | 2 & 0 2 & 2 | Н | | | х | $^{+}$ | X | Ħ. | x x | | | x | | 85 70 | 8 15 | | 13 | 13 13 | 30 30 | | 106.8-108.0 18 108.2 19.5 | | |
| 5/1/2009 | 1800-1900 900-925 | 2 & 0 | х | _ | X . | x x | F | X | | х | х | х | х | х | 50 92 | 5 | 41 | 13 | 13 | 40 15 | H | 108.3 23 107.5 17 | 64.4 | |
| | 925-1030 1030-1900 | 2 & 2 3 & 4 | H | ٦ | x | | Ŧ | X | H | x x | x | | | x | 78 52 | | 50 50 | 13 | 13 | 25 | 1 | 107.6 19.5 106.8-107.9 22 | | |
| 5/2/2009 | 730-1315 1315-1900 | 2 & 0 4 & 1 | H | | х | | . , | х | | | x | | Х | x | 88 66 | 5 | | 13 | 13 | 20 | 1 | 107.0-107.7 17 107.0-107.4 20.5 | 66.2 | |
| 5/3/2009 | 730-1700 1700-1800 | 2 & 0 | H | | | × | | X | | | x | | X | x | 92 72 | 10 | | 13 | 13 | 20 | | 106.7-108.6 17.0-17.5 108.9 21.5 | 68.0 | |
| | 1800-1900 800-1115 | 4 & 3 | H | 4 | | хх | () | x x | | | | | | х | 50 90 | - | 50 | 13 | 13 | 35 | Ħ. | 108.7 21.5 106.4-107.3 20 | 67.7 | |
| | 1115-1810 | 2 & 0 4 & 2 | H | | X | | : :) | х х | | | х | | x | x | 90 55 90 | 10 | 50 | 13 13 | 13 | 20 30 20 | | 107.6-107.8 21.3-22.0 | 01./ | |
| | 1810-1915 800-1000 | 2 & 0 | | | | × | | х | | | | | X | Ш | 91 | 10 | | 13 | 13 | 20 | H | 108.1 17.3 108.0-108.2 18 | 66.2 | |
| | 1000-1100 1100-1700 | | х | х | | хх | () | | П | | X | | | X | 75 35 | | 44 | | | 35 35 | | 108.7 18.5 107.1-108.7 23.5 | | |
| | 700-915 915-1015 | 2 & 0 4 & 1 | Ы | | | x x | () | x x x | | t | х | | Х | х | 92 66 | 5 3 | | 13 | 13 | 20 35 | | 107.0-107.3 17 107.3 20.5 | 64.4 | |
| 5/7/2009 | 1015-1730 700-800 | 2 & 0 | X | х | | × | | Х | | | х | | Х | х | 36 92 | 10 | | 13 | | 45 20 | H | 105.7-107.2 23 107 16 | 64.4 | |
| | 800-900 900-1630 | | х | х | X X | x x | :) | X X | | x x x | x | | х | х | 75 33 | 15 1 | | 13 | 13 | 30 35 | H | 107.1 20 107.5-107.9 23.5-24.0 | | Maintenance came out to fix viewing room gate |
| 5/8/2009 | 700-815 815-1630 | 4 & 1 | x | | | | | | | | | | | х | 72 40 | Ė | 50 | 13 | | 35 35 | | 107.2 21 106.8-107.1 24.2-23.5 | 64.1 | |
| 5/9/2009 | 715-800 800-1630 | 2 & 0 4 & 1 | Ĥ | | 1 | X | Ħ, | X | Ħ | ^ ^ | x | ^ | х | x | 90 | 10 | | 13 | 13 | 20 | | 106.8 17 106.9-108.8 21 | 64.3 | |
| 5/10/2009 | | 2 & 0 4 & 1 | | | | × | | X | | | X | | х | X | 92 | 5 | | 13 | 13 | 20 | | 108.2 17 | 64.4 | |
| F/44 (0000 | 1130-1715 | 4 & 3 | H | | | x x | () | х х | | | х | Ü | 1 | х | 66 50 | 3 | 45 | 13 | | | 1 | 108.5-108.9 20.5 108.6-109.1 22 | | |
| 5/12/2009 | 730-1615 730-800 | 4 & 4 5 & 1 | Н | | X : | x x | () | x x | | | X | | 1 | X | 50 68 | | 30 50 | 13 | 13 | 30 35 | П | 107.6-108.5 23.0-23.2 108.7 22.5 | 63.5 63.5 | |
| | 800-1645 | 5 & 4 | | | X . | X X | () | X | Ш | x x | Х | X | _ | х | 45 | Щ | 75 | 13 | 13 | 35 | 1 | 107.8-108.7 23 | 1 | |

| Sept 19 - 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|----------------|-----------------------|-------|---------|------|----------|------------|------------|----------------|-------|---------|----------------|-----------------|------|-----------|----------|------------------|---------|-----------|--------------|--------------|------------|-----------|---|
| The column | Gat | e and Diffu | ser setting ar | re ii | pei | cen | t op | en a | and 1 | fore | bay a | nd ta | ilrace | elevati | ions | are in fe | et abov | ve mean | sea le | el and | are taken ii | nside our do | wnstream c | hannel. W | ater temperature was taken in the morning from the surface of the trough. |
| The column | | | Generation | + | | Sm | all Ur | nits | | + | La | rae Un | its | Weir C | Sate | Gate | Diffus | er Settine | Spillwa | v Settino | Crowder | Forebay | Tailrace | Water | |
| Mary | | | (small & large) |) 1 | 2 | | 4 5 | 5 | | | 8 | 9 10 | | | С | Setting | | В | Α | В | Area Gate | Elevation | Elevation | Temp F | |
| State Column Co | 5/13/2009 | | | + | - | Н | | | | | x | | x | | | | | | | | | | | 65.3 | |
| Company Comp | 5/14/2009 | 730-810 | 4 & 1 | L | | | | (| Χ . | Х | | х | | | | 68 | | 75 | 13 | 13 | 35 | 108.5 | 21 | 64.4 | |
| Column C | 5/15/2009 | | | + | | | | | | | Х | | | | | | 2 | | | | | | | 65.2 | |
| March Marc | | 815-1700 | | | | | | | X | х | Х | хх | | | х | 55 | | | 13 | 13 | 40 | | 23 | | |
| The column | 5/16/2009 | | | | | H | | | x : | х | | х | H | X | х | | | 75 | | | | | | 66.2 | |
| March Marc | | 1330-1830 | 4 & 2 | | | |) | (| Χ . | Х | | хх | | | х | 58 | 5 | 75 | 13 | 13 | 30 | 109.0-109.1 | 21.8 | | |
| March Marc | 5/17/2009 | | | + | | Х | | | | | | хх | | X | х | | 10 | | | | | | | 66.4 | |
| March Marc | | 1620-1800 | 7 & 4 | Х | х | | X) | (| Χ. | х | Х | хх | х | | х | 35 | | | 13 | 13 | 35 | 107.6-108.3 | 23.5 | | |
| March Marc | 5/18/2009 | | | + | | | | | | | | х | | | H | | | | | | | | | 66.2 | Hopper door will not open fully |
| Sect | | 1000-1515 | | Х | х | Х | | (| X : | Х | Х | хх | х | | | 35 | | | 13 | 13 | 30 | 107.7-108.4 | | | |
| March Marc | 5/19/2009 | | | + | | Х | | | | | | _ | X | х | X | | | 45 | | | | | | 66.2 | |
| The column | | | | | | | | | | | | | | | | | | | 13 | 13 | | | | | |
| Control Cont | 5/20/2009 | | | | | | | | | | | | X | | X | | 3 | | | | | | | 66.2 | |
| Section Sect | 5/21/2009 | | | | | |) | (| | Х | | | | х | | | 10 | | 13 | | | | | 66.2 | Tried to flush trash with maintenance, but filled the hopper (1/2) with debris. |
| March Marc | 5/22/2009 | | | X | | X | | | | | X | X X | | х | X | | 10 | /5 | | | | | 17 | 68.0 | |
| No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. | | | | | | | | | | | | | | х | | | | | | | | | | | |
| Company Comp | | | | X | | | | | | | X | X X | X | | | | 5 | | | | | | | | |
| Section Sect | 5/23/2009 | | | Ų | v | v | | | | | , | | | х | v | | | 75 | | | | | | 68.0 | |
| Section 1. 1 | 5/24/2009 | | | ľ | X | _ | | | | | Á | _ | Ħ | x | | | | 15 | | | | | | 69.9 | <u> </u> |
| 100-100 100- | E IDE ISSUE | | | F | F | х | | | | | X | х | П | | х | | | 60 | | | | | | | |
| | | 1205-1600 | 4 & 2 | Ⅎ | t | H | X) | (| X : | Х | H | хх | Ħ | | x | 55 | | 50 | 13 | 13 | 30 | 108.4-108.5 | 22 | | <u> </u> |
| The color The | 5/26/2009 | | | F | E | Ħ | | (| | х | | | Ħ | Х | Ü | | 10 | | | | | | 17 | 73.4 | |
| Section Property Column Property Col | 5/27/2009 | 715-1005 | 2 & 0 | t | t | _ | х | | | Х | H | ^ X | Ħ | х | | 92 | | | 13 | 13 | 20 | 107.7 | 17.8 | 72.5 | |
| Section 1.5 | 5/20/2000 | | | £ | F | П | | | | | H | x | H | | х | | | 60 | | 13 | | | | 70 - | |
| 25000 2500 | | 1000-1615 | 4 & 2 | t | Ħ | _ | _ | | X : | х | | хх | Ħ | | х | 53 | 1 | | 13 | 13 | 35 | 108.1-108.6 | 22.0-22.5 | | |
| County C | 5/29/2009 | | | F | F | H | X . | , | | | HĪ | | $+ \mathbb{I}$ | | ΗĪ | | | $\vdash \exists$ | | | 25 | | 18.0-18.1 | 68.6 | |
| | | 1120-1600 | 5 & 4 | t | E | | X) | (| Χ : | х | х | хх | х | | х | 38 | 10 | | 13 | 13 | 35 | 107.4-107.8 | 23.2-23.5 | | |
| | 5/30/2009 | | 4 & 1 | | y | × | | | | | ¥ | X | Y | H | X | | HΞ | | 13 | 13 | | | | 73.4 | Flushed trash, now debris under hopper, hopper dividing screen off bottom but cables slack. |
| Miles Mile | 5/31/2009 | 645-830 | 2 & 0 | Ľ | _ | Î |) | (| | х | ^ | ^ _ ^ | _ | | Ĥ | 95 | | | 13 | 13 | 20 | 107.8-108.3 | 18 | 73.6 | |
| 1.5 | | | | ¥ | ¥ | ¥ | | | | | ¥ | y y | ¥ | х | ¥ | | 10 | | | | | | | | |
| 19-906 | 6/1/2009 | | | Ŷ | Ŷ | | | | | | ۲ | ^ ^ | Ĥ | х | ^ | | 10 | | | | | 107.6 | 17 | 68.2 | "C" gate tripped while raising, Ops assisted. "see report" |
| Miles Mile | 6/2/2000 | | | X | х | X | | | | | X | хх | х | | х | | | 35 | | | | | | 70.0 | |
| | 6/2/2009 | 1005-1130 | | t | | | | | | | х | | | ^ | х | | | | 13 | | | 108.1 | | 70.9 | |
| | 6/3/3000 | | | Х | | Х | x > | (| X : | х | Х | хх | х | v | х | | | 43 | | | | | | 60.0 | Hopper will not rise, replaced upper limit switch. |
| | 0/3/2009 | | | t | | х | x | | | х | х | | | ^ | х | | | 50 | | | | | | 09.5 | While lowering "C" gate, guage moving, wheels turning, but gate not. Bent west stem. |
| | 6/4/2009 | | | Х | | х | x > | () | x : | х | Х | Х | H | ¥ | х | | | 50 | | | | | | 70.2 | Out of service. "see report". Tripped "A" gate. |
| T115-500 | 0/4/2009 | | | | | х | х | | | х | х | | | | | | | | 13 | | | | | 70.2 | |
| | | | | | | | | | | | | v v | \vdash | | | | 20 | | | | | | | | |
| Part Section Part | 6/5/2009 | | | Ŷ | | | <u> </u> | ` | | ^ | ^ | ^ ^ | | х | ^ | | | 100 | 13 | | | | | 68.9 | |
| 100-100 | | 1110-1500 | 6 & 2 | + | х | Х | x > | (| X : | х | Х | х | + | | х | #70 | 10 | 50 | 13 | 13 | 30 | 107.3-108.0 | 20.5 | | |
| ## 1960 1960 1961 1961 1961 1962 | #70 is where the | e downstream * | "C" gate is sitting a | afte | r the v | vest | stem | bent. | | | | move it | after 6 | | | | out of s | ervice. | | | | | | | |
| 1109-1595 | | | | + | - | | + | + | + | + | | + | \mathbf{H} | | Н | | | | - | | | | | | |
| 319-1795 | 4/16/2008 | | | Х | х | | | | | | х | хх | х | | | | | | | | | | | 57.8 | |
| | | | | ╁ | | | | | | | | | | x | Х | | 15 | 40 | | | | | | | |
| 150-1709 | 4/17/2008 | 930-1100 | 7 & 4 | х | х | | x > | (| X : | Х | х | хх | х | | х | 33 | | 50 | 13 | 13 | 45 | 106.8-107.2 | 23 | 57.6 | |
| 115-110 74.4 X X X X X X X X X | | | | + | - | x | | | | х | | + | \mathbf{H} | | Н | | | | | | | | | | |
| HISTORY MAIN | 4/18/2008 | 915-1100 | 7 & 4 | Х | х | | X) | (| Χ : | х | х | хх | х | | х | 30 | | 60 | 13 | 13 | 50 | 105.6-105.8 | 23 | 60.0 | Proxprobe failed at high point near trough, hopper will not rise. |
| 115-5710 | 4/19/2008 | | | + | | X | | | | + | х | хх | | х | х | | 20 | 50 | | | | | | 59.4 | |
| | | 1115-1210 | 4 & 0 | L | | х | X) | (| Х | | | | | | П | 75 | | | 13 | 13 | 45 | 106 | 20 | | |
| Section 180-1900 48.3 X X X X X X X X X | 4/20/2008 | | | + | | | | | | + | | _ | | | H | | | | | | | | | 60 | |
| 1500-1815 | | | | | | Х | | | | | | | | | | | | | 13 | 13 | | | | | |
| ### A STATE OF THE PROPERTY OF | 4/21/2008 | | | Ⅎ | H | X | | | | H | X | x X | H | х | | | 16 | 50 | | | | | | 62.6 | |
| EACHORN 175-1900 48.5 X X X X X X X X X | | | | F | | | | | | | | | | | | | | | | | | | | | |
| 10001115 | | | | Ⅎ | | | | | | | | | | ±+ | | | ш | | | | | | | | Growder screen noist innit switch railed. |
| 1500-1460 | | 1000-1115 | 4 & 0 | F | E | х | X) | | X | \blacksquare | | 7 | Ħ | X | П | 75 | 15 | | 13 | 13 | 45 | 105.5-105.7 | 19.4-19.9 | | |
| ACCORDING 1951-130 4.6 | | 1300-1405 | 4 & 0 | t | | | X) | (| Х | Ш | | | Ħ | | Ħ | 75 | | | 13 | 13 | 45 | 106.6 | 19.5 | | |
| 1150-1156 | 4/25/2009 | | | х | х | X | x X | . | X X | x | х | хх | х | y | х | | 46 | 91 | | | | 106.3-106.9 | | 85.2 | Telemetry study. |
| 1469-1900 | | 1130-1155 | 4 & 0 | t | | х | X) | (| Х | ∄ | | 士 | Ħ | Ĥ | | 75 | 15 | | 13 | 13 | 45 | 108.2 | 20 | 00.3 | |
| 450-0000 750-1100 4.6 1 X X X X X X X X X | \vdash | | | | | | | | | , H | | | | $\vdash \vdash$ | | | H | | | | | | | 1 | |
| 1105-1530 | | 750-1105 | 4 & 1 | r | | | x > | (| х | | | | | | | 62 | | 50 | 13 | 13 | 45 | 106.6-107.6 | 21 | 66.2 | |
| 427/2008 NO FISHING WAS DONE TOUN' RECAUSE OF AIR NE LEAK AND STEEL PLATE FOR AIR NE SHEVE CHANNEL BEING REPLACED BY DIVERS. 6.5 | \vdash | | | + | | |) | () | X | | | | + | | x | | | | | 13 | | | | 1 | Slack in hopper cable and air leaking. |
| SHEVE BLOCK FOR ARL LINE REBULT AND NEW ARE HOSES TO HOPPER DOOR. | 4/27/2008 | NO FISHING | WAS DONE TOD. | DAY | BECA | USE | OF A | AIR L | INE L | EAK. | AND S | TEEL | PLATE | FOR AIR | LINE | SHIEVE C | HANNEL | BEING R | EPLACE | D BY DIV | ERS. | .00.1 | | | 11 manus acra an manus gr. |
| 475-1056 | | | | | | | | | | | | | | | | | HANNEL | BEING R | EPLACE | D BY DIV | ERS. | 1 | | 66.6 | |
| AT 1210 SHEVE BLOCK FOR AIR LINE SALL BALLED UP AND HAD TO STOP HOPPER MANUALLY. HAD THAD FROM | | 745-1155 | 7 & 4 | Х | Х | х | x > | (| X : | Х | Х | хх | х | | х | | | | | | | | | 64.4 | |
| ## STATION | \vdash | | | | | | | | | | | | | | | | TANCE H | AD TO LO | | | IANUALLY HO | | | UE. | |
| | 4/30/2008 | 830-1600 | 6 & 4 | Х | х | Х | x > | () | х | | х | X X | Х | | Х | 35 | II. | 70 | 13 | 13 | 38 | 106.1-107.0 | 23.0-23.6 | 62.6 | |
| | 5/1/2008 | | 6 & 4 6 & 4 | × | X | X | x) | (| X | + | X | x x | X | + | | | \vdash | | | | | | | 62.5 | |
| 1415-1530 7.6.4 | 5/2/2008 | 730-1115 | 7 & 4 | Х | Х | Х | X) | () | X : | Х | х | X X | Х | П | х | 35 | Ш | 50 | 13 | 13 | 40 | 106.3-106.8 | 23.3-23.5 | 60 | |
| S32008 73-0-100 78-4 X X X X X X X X X | \vdash | | | х | х | | | | | | х | | | + | | | H | | | | | | | 1 | |
| 115-1500 2.8 0 | 5/3/2008 | 730-1000 | 7 & 4 | | | х | X) | (| Χ : | х | х | хх | | | | 38 | H | 40 | 13 | 13 | 40 | 105.0-105.9 | 23.2-23.3 | 60.7 | |
| 1503-1705 4 & 1 | \vdash | 1115-1630 | 2 & 0 | Ⅎ | H | |) | (| | х | | ^ | H | | _ x | | 10 | 40 | 13 | 13 | 38 | 105.6-107.5 | 17.0-17.6 | <u>L</u> | <u> </u> |
| 1210-1610 4 8 2 | | 1630-1705 | 4 & 1 | F | F | П | X) | (| Χ . | Х | | 7 | П | х | П | | | | 13 | 13 | 38 | 107.4 | 23.5 | 64.7 | Telemetry study |
| | | 1210-1610 | 4 & 2 | t | L | | x > | (| X : | х | | | | | х | 55 | 4 | | 13 | 13 | 40 | 108.9-109.1 | 22 | | rounicity away. |
| S72008 730-810 4.8 1 | | | | | | х | X) | (| X . | х | Х | X X | Х | $+ \mathbb{T}$ | х | 32 | H^{-} | | 13 | 13 | | 107.3-107.5 | 23.4-23.6 | | |
| 810-1550 | 5/7/2008 | 730-810 | 4 & 1 | | | | x > | () | X : | х | | х | | 丗 | х | 68 | 世 | 45 | 13 | 13 | 38 | 107.1 | 23 | | oromous sading to stock on return rip |
| 510-1020 4 8 4 | | 810-1550 | | X | X | Х | x > | (| X : | Х | х | хх | Х | | х | 35 | - | 45 | 13 | 13 | | 105.7-106.7 | 23.4-23.6 | | Crowder roller wheels are coming loose. |
| 1020-1720 78.4 X X X X X X X X X | | 810-1020 | 4 & 4 | t | L | | x > | ١. | X . | х | | | | | | 43 | | | 13 | 13 | 38 | 106.8-106.9 | 22.9-23.0 | U0.2 | |
| 592008 | | | | X | х | х | x > | (| X : | х | | | | $+\Gamma$ | | | HΞ | | 13 | 13 | | | | 1 | Telemetry study. |
| 5/10/2008 800-820 4 & 1 X X X X X X X X X 45 45 40 13 13 38 106.1 22.4 64.4 °C° gate breaker tripped | 5/9/2008 | 805-1100 | 4 & 2 | t | | x | x > | | x | | | x x | | Ħ | х | 51 | | 50 | 13 | 13 | 40 | 106.9-107.0 | 21.5 | 66.4 | Telemetry study. |
| | | | | + | H | х | X | (| X | , H | х | X X | х | $\vdash \vdash$ | | | H | | | | | | | P4 4 | *C* note breaker trinned |
| | | | | t | l | H | x) | (| X | x | х | x x | Ħ | | | | Ц | | | | | | | 04.4 | |

| 60 | to and Diffe | oor cotting or | o in r | | ont | | | d for | show | and | toilro | oo olo | votio | | in for | at abou | o moon | con lo | rol and | ara takan i | inai | ido our doumetroom e | shannal Wa | ter temperature was taken in the morning from the surface of the trough. |
|---|-------------------------------------|----------------------------|--------|---------------|------------|--------|---|----------------|------|-----|--------|--------|-------|--------|----------------|--|----------------|----------|----------|----------------|------|--|--------------|---|
| Ga | te and Difft | Generation | e in p | | | | | Id fore | | | | w | | | Gate | | | | | Crowder | | Forebay Tailrace | Water | ter temperature was taken in the morning from the surface or the trough. |
| Date | Time 1325-1810 | (small & large) | 1 | 2 : | 3 4 | 5 X | 6 | 7 X | 8 | 9 | 10 11 | ı A | В | C S | Setting 76 | A 4 | В | A 13 | B 13 | Area Gate | | Elevation Elevation 106.0-107.0 19.8 | Temp F | |
| 5/11/2008 | 700-1310 1310-1555 | 2 & 0 4 & 1 | | Ŧ | | X | | х | | х | | х | | x | 90 | 4 | 50 | 13 | 13 | 20 | | 107.1-109.0 17.5 109.0-109.1 21 | 64.3 | |
| 5/12/2008 | 1555-1620 730-1507 | 4 & 2 | х . | | Х | х | Х | x | | x | Х | | | x x | 50 37 | | 50 50 | 13 13 | 13 13 | 40 40 | | 109.3 22 106.5-106.7 23.5 | 64.4 | |
| 5/13/2008 | 1507-1540 745-1523 | 4 & 4 | x | | х | Х | Х | | Х | х | x x | | | X X | 42 | | 50 | 13 | 13 | 40 | | 106.5 22.5 106.9-107.5 23.5-23.6 | 62.6 | |
| 5/14/2008 | 730-1515 730-1525 | | X . | x 2 | x x | | Х | Х | Х | х | | | | x | 36 33 | | 50 40 | 13 | 13 | 35 40 | | 105.8-106.1 23.4-23.6 106.7-107.0 23.5-23.7 | 60.8 | |
| 5/16/2008 | 800-1325 1325-1430 | 7 & 4 4 & 1 | | | хх | Х | Х | х | | Х | X X | | | x | 35 50-62 | 10 | 50 | 13 | 13 | 50 | P | 106.3-106.5 23.4-23.5 106.8 20.5 | 61.7 | Tried to fish both gates. |
| 5/17/2008 | 1430-1530 750-835 | 4 & 1 | | ļ | х | X | Х | Х | X | | | X | | x | 70 68 | 10 | 40 | 16 | 16 | 40 | Ħ | 106.9 20.5 108.5 20.6 | 62.3 | Thou to main down gallade. |
| 5/18/2008 | 835-1530 645-1000 | | х . | | x x | | Х | X | | х | | × | | X | 37 90 | 10 | 54 | 13 | 13 | 45 | | 107.1-108.0 23.4-23.6 106.7-108.1 17 | 62.8 | |
| DI TOZZOGO | 1000-1100 | 2 & 0 | | ļ | | Х | | X | x | x | x x | х | | x | 92 44 | 12 | 50 | 13 | 13 | 26 38 | H. | 108.3 22.9 108.6-108.8 23 | OE.O | |
| 5/19/2008 | 730-1035 1035-1200 | 7 & 4 | X . | | хх | | Х | х | Х | | хх | | | x | 45 35 | | 45 45 | 13 | 13 | 38 | | 106.8-107.0 23.4 106.9-107.4 23.3-23.4 | 61 | |
| 5/20/2008 | 1200-1515 735-1555 | 7 & 4 | Χ. | x 2 | x x | Х | Х | Х | Х | х | X X | | | X X | 48 34 | | 45 50 | 13 | 13 | 38 | | 107.3-107.9 23.2 105.5-106.5 23 | 59.3 | Media day, Channel 11 news |
| 5/21/2008 | 740-1150 1150-1515 | 7 & 4 | х : | x 2 | хx | X | Х | х | х | х | X X | | | X | 36 36 | - | 50 50 | 13 | 13 | 50 50 | | 107.3-107.8 23.6 108.1-108.5 23.6 | 59.4 | mounday, oranina i i nome |
| 5/22/2008 | 740-1200 1200-1530 | 7 & 4 | | x : | x x | | Х | х | Х | Х | X X | | | X X | 32 30 | | 50 50 | 13 | 13 | 40 | | 106.5-107.0 23.8 106.8-107.6 23.9 | 59 | Air line to hopper door came detached , maintenance fix problem |
| 5/23/2008 | 730-1110 | | | X 2 | X X | Х | Х | Х | | Х | X X | | | X | 32 52 | | 50 | 13 | 13 | 55 55 | ŀ | 106.0-106.3 23.5 106.6-107.6 22 | 57.2 | 7 m mile to repper door came detached , maintenance to protect |
| 5/24/2008 | 745-830 830-945 | 4 & 3 4 & 2 | | 1 | х | Х | Х | | Х | Х | x | | | X | 53 59 | | 50 50 | 13 | 13 | 45 45 | | 107 22.4 106.7 21.8 | 59 | |
| | 945-1145 | 4 & 1 | | Ī | Х | Х | Х | х | | Х | | | | X | 63 | | 50 | 13 | 13 | 45 | ij. | 107.1-107.5 21.3 | | |
| | 1145-1245 1245-1440 1440-1530 | 4 & 1 4 & 1 4 & 3 | Ħ | # | х | | Х | Х | | X | | | | X X | 70 74 59 | | 50 50 | 13 13 | 13 13 | 45 45 45 | H | 107.9 20.9 108.3-108.6 20.8 108.6 22.5 | | |
| 5/25/2008 | 700-1025 | 2 & 0 | H | # | Т | Х | | X | X | | | х | | | 92 | 15 | 50 | 13 | 13 | 25 | | 107.6-108.0 17 | 60 | |
| FINANCES | 1025-1310 | 4 & 1 4 & 4 | Ħ | + | х | х | х | х | | х | | | | x | 75 47 | 1 | 50 | 13 | 13 | 45 50 | | 108.4-108.7 20.5 108.5-108.7 22.5 | 00.0 | |
| 5/26/2008 5/27/2008 | 700-1615 800-900 | 4 & 0 2 & 0 | H | 1 | | X | | X | H | H | 1 | X | | | 78 88 | 15 | | 13 | 13 | 40 | H | 107.4-108.7 19 108 20 | 62.6 65.3 | Telemetry study. Telemetry study. |
| | 900-1120 1120-1520 | 4 & 1 7 & 4 | х | x : | хх | х | х | х | | х | хх | # | | X | 72 36 | | 50 | 13 | 13 | 50 | | 108.4 20.5 108.3-108.5 23.0-23.6 | | |
| 5/28/2008 | 730-915 915-1015 | 0 & 1 2 & 1 | H | , | x | | L | х | | X | | Ħ | | X | 94 85 | | 50 | 13 | 13 | 38 | | 107.4-107.6 19.4-19.6 107.6 19.4 | 64.4 | |
| | 1015-1345 1345-1430 | 6 & 2 6 & 2 | | x : | хх | X | Х | х | | X | Х | # | | X | 57 57 | | 50 40 | 13 | 13 | 38 38 | H | 107.7-107.8 22.8 107.8 22.8 | | |
| 5/29/2008 | 1430-1600 730-1005 | 5 & 2 0 & 1 | | , | | | | х | | X | х | $^{+}$ | | x | 57 94 | | 40 40 | 13 | 13 13 | 38 35 | | 107.7 22.8 106.9-107.4 17 | 68 | |
| | 1005-1120 1120-1415 | 3 & 1 5 & 3 | х | | Х | X | Х | х | | X | | | | x | 85 40 | | 40 40 | 13 | 13 | 40 50 | | 107.8-108.1 18 107.9-108.3 23 | | Maintenance came out to fix broken cable on air line schieve block. |
| 5/30/2008 | 1415-1600 800-930 | 0 & 1 | X | X 2 | | | | х | х | | | | 11 | X | 36 95 | | 35 40 | 13 | 13 | 30 20 | | 107.9 23.5 108.3-108.5 17 | 68.9 | Maintenance came out to replace guide cable to air line schieve block. |
| | 930-1210 1210-1600 | 4 & 3 7 & 4 | x : | x : | | X | | X | | X | | Н | | x | 50 38 | | 45 50 | 13 | 13 | 45 45 | | 107.5-108.0 22 106.2-107.0 23 | | Telemetry study. |
| 5/31/2008 | 715-1050 1050-1205 | 2 & 0 4 & 1 | | | х | X | | X | х | | | X | | | 92 74 | 15 15 | | 13 | 13 | 25 25 | | 107.8-108.3 16.9 108.5-108.8 20.0-20.6 | 70.4 | |
| | 1205-1300 1300-1600 | 4 & 2 4 & 4 | | $\frac{1}{2}$ | x | X | | X | | Х | x x | | | x | 55 42 | | 43 43 | 13 | 13 | 38 38 | | 109 21.9 108.4 23 | | |
| 6/1/2008 | 730-1230 1230-1430 | 1 & 0 | | ł | | X | | \blacksquare | - | | - | X | | - | 99 99 | 10 | | 13 | 13 | 20 30 | | 107.8-108.1 16.5 108.3-108.4 16.5 | 71.6 | |
| | 1430-1500 1500-1600 | 1 & 0 4 & 1 | | + | х | X | | х | х | | _ | × | | - | 95 70 | 10 | | 13 | 13 13 | 30 30 | | 108.4 16.5 108.6 20.2 | | |
| 6/2/2008 | 745-1015 1015-1135 | 1 & 0 4 & 1 | | Ŧ | х | X | | х | х | | - | X | | - | 99 70 | 10 | | 13 | 13 | 25 35 | | 108.5-108.6 16.5 108.7-108.9 20.5-21.0 | 73.4 | |
| 6/3/2008 | 1135-1600 730-1115 | 4 & 4 1 & 0 | | Ŧ | х | X | | х | х | Х | хх | × | | х | 46 99 | 8 | 45 | 13 | 13 | 45 20 | | 108.1-108.6 23 106.8-107.5 16.5 | 74.8 | |
| | 1115-1255 1255-1400 | 3 & 0 4 & 0 | | , | | X | | | | | | X | | | 88 82 | 8 | | 13 | 13 | 30 30 | | 107.5 16.9 107.8 17 | | |
| 6/4/2008 | 1400-1530 745-1110 | 4 & 4 1 & 0 | |) | | X | | H | х | х | хх | | | X | 45 98 | 10 | 45 | | 13 | 45 20 | - | 108.2 23 107.4-108.0 16.5 | 75.4 | Tripped "A" diffuser breaker |
| | 1110-1200 1200-1315 | 3 & 0 4 & 0 | | H | х | X | | X | | | | × | | | 83 80 | 10 | | 13 | 13 | 25 30 | H | 108.1 16.5 108.1 19 | | |
| 6/5/2008 | 1315-1530 730-1110 | 4 & 4 1 & 0 | H | - | | X | | х | Х | х | хх | × | | х | 45 98 | 8 | 40 | 13 | 13 | 40 20 | Η. | 108.1 23 108.0-108.5 16.5 | 76.1 | |
| | 1110-1230 1230-1530 | 4 & 1 4 & 4 | | X X | Х | X | Х | | X | | x x | X | | x | 73 45 | 8 | 40 | 13 | 13 13 | 40 40 | | 108.6 20.5 108.5 22.7-23.0 | | Debris under crowder screen hoist, cable went slack. |
| 6/6/2008 | 730-1055 Flush trash th | 1 & 0 rough crowder are | | | Т | х | | | | | | Х | П | \Box | 98 s over. | 8 | | 13 | 13 | 20 | | 107.8 16.5 | 76 | |
| | | | H | Ī | Ŧ | Ē | F | H | F | H | | ŦĔ | Ŧ | | | | | | | | | | | |
| 4/23/2007 4/24/2007 | 1100-1500 1000-1250 | | | | | | | x | | | | Ħ | | x | 35 38 | | 45 45 | 13 | 13 | 30 35 | Ι. | 108.2 23.5-24.3 108.2-108.6 23.25 | 53.6 57 | 2 Spillgates open |
| | 1250-1530 1000-1530 | 7 & 4* 6 & 4 | X | x : | x x | X | × | X | × | x | x x | | | х | 38 40 | - | 45 45 | 13 | 13 | 35 | | 108.5-108.6 23.5-23.7 105.8-106.0 22.5 | 56 | 1 Spillgate open |
| 4/26/2007 | | | Х | x 2 | ХX | X | Х | Х | Х | X | X X | | | X | 35 35 | 1 | 45 45 45 | | 13 | 45 45 | | 107.2 23 108.5-108.7 23 | | Oil leaking from crowder screen hoist |
| 4/28/2007 | | 6 & 3 | X | - 2 | хх | Х | Х | X | х | Х | х | | | X | 44 | 1 | | 13 | 13 | 45 45 45 | H | 106.8 22 107 22.5 | 59 | |
| 4/29/2007 | 1300-1530 930-1200 | 7 & 3 | X | x : | хx | X | X | X | X | x | x | H | | X | 38 55 | | 45 45 45 | 13 | 13 | 45 45 40 | Ħ. | 107 22.5 107 22.5 106.6-107.1 21 | 58.1 | |
| *************************************** | 1200-1330 1330-1725 | 6 & 0 | X | 2 | x x | Х | Х | X | Ĺ | ^ | | × | | X | 75 68 | 15 | 45 | 13 | 13 | 40 | ŀ | 107.1-107.2 20.0-21.0 107.6-108.2 20 | 50.1 | Hopper dropped when it was at the dump position, had to slow rise, this time it stayed Crowder screen hoist would not stop when it was being lowered. (debris under gate). |
| 4/30/2007 5/1/2007 | 715-1610 730-1100 | 7 & 4 | х : | x 2 | хx | X | х | X | X | X | X X | | | x x | 35 36 | 10 | 45 45 | 13 | 13 | 40 41 40 | | 107.6-108.2 20 106.3-107.2 23.0-23.4 107.3-107.4 23.3-23.4 | 59 60 | promote secons itoris would not stup when it was being lowered. (deans under gate). |
| G-1/200/ | 1100-1410 1410-1525 | 4 & 2 | x | | Х | Х | Х | Х | Х | | Х | | | X X | 55 | 1 | 45 45 | 13 | 13 | 40 | | 107.7-108.7 21.9-22.2 109 23.5 | 00 | |
| | 1525-1720 750-1115 | 7 & 4* | X | x 2 | хх | Х | Х | х | Х | х | | | | х | 35 25 35 | | 45 45 | 13 13 | 13 13 | 40 40 40 | H | 109 23.0-24.5 109 23.0-24.5 106.1-106.5 22.5 | 60.5 | 1 Spillgate open |
| 5/2/2007 | 1115-1620 | 4 & 2 | | x | × | × | × | x | × | 1 1 | x | | | х | 55 | | 45 | 13 | 13 | 40 | | 106.2-108.0 21 | 00.5 | |
| 5/3/2007 | 1620-1815 740-1100 | 7 & 4 | | | хх | Х | Х | х | | | | | | x | 32 36 | | 45 45 | 13 | 13 | 40 | | 108.2-108.3 22.5 106.0-106.5 23 | 62.6 | |
| | 1100-1605 1605-1815 | | | | x x | | Х | Х | | | | | | x | 70 36 | 15 | 45 | 13 | 13 | 40 40 | H | 106.0-107.5 20 107.8-108.0 23.0-23.6 | | |
| | 735-955 955-1315 | 4 & 0 | х | | Х | Х | Х | X | | | | Х | | x | 36 70 | 15 | 45 | 13 | 13 13 | 40 40 | H | 106.1 23 106.3-107.2 20 | 63 | |
| | 1315-1400 1400-1600 | | | x : | хх | Х | Х | X | х | Х | хх | | | x | 75 36 | | 45 45 | 13 | 13 13 | 40 40 | H | 108.1 20.5 108.3-108.5 23.0-23.6 | | |
| | 1600-1700 1700-1715 | | X : | x : | x x x x | X | X | X | X | х | x x | | | x | 40 36 | \pm | 45 45 | 13 | 13 13 | 40 40 | Ħ | 108.7 23 108.7 23 | | Hopper wouldn't stop when returning to position. It is not on bottom and the cables are slack. |
| 5/5/2007 | 1130-1200 1200-1545 | 4 & 4 4 & 2 | Ц | Ⅎ | x | X | X | | х | | x | | | X X | 40 58 | | 45 45 | 13 13 | 13 13 | 40 40 | | 107.1 22.5 107.1-107.5 22 | 64.4 | Repairs to hopper and cables being made in morning. |
| 5/6/2007 | 1545-1830 720-1045 | 4 & 4 4 & 3 | H | Ε | Х | х | Х | X | | х | X X | | | X X | 38 47 | E | 45 45 | 13 | 13 13 | 40 40 | | 107.5-107.6 23 107.2-107.3 22 | 63.5 | |
| | 1045-1245 1245-1635 | 4 & 3 4 & 1 | H | | X | X | X | X | | х | x x | | | x | 44 68 | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | 45 20 | 13 | 13 13 | 40 50 | | 107.3-107.4 22 107.5-108.1 20.5 | | |
| 5/7/2007 | 1635-1815 0745-1115 | 4 & 4 7 & 4 | x | x : | X X X | X | X | X | х | X | X X | | | x | 40 40 | | 35 45 | 13 | 13 13 | 50 40 | | 107.9-108.1 22.5 106.5-106.8 23.0-23.3 | 64.4 | |
| | 1115-1620 1620-1830 | 4 & 1 | | - 2 | X | х | х | X | | | х | П | | x | 68 35 | | 24 45 | 13 | 13 | 40 30 | | 106.5-108.6 21.5 108.2-108.6 23.3-23.6 | | |
| 5/8/2007 | 730-800 800-1100 | 7 & 4 | | | хх | | Х | х | Х | Х | | | | X | 35 45 | 1 | 35 35 | 13 | 13 | 40 | | 107.1 23 106.6-106.8 22 | 65 | |
| | 1100-1715 1715-1800 | 4 & 0 | X | | | Х | Х | X | | | | X | | x | 88 | 18 | 35 | 13 | 13 | | | 106.9-107.5 19.2-19.5 107.5 19.2 | | |
| 5/9/2007 | 730-1110 | 6 & 4 | ^ | x : | хx | X | X | x | Х | | X X | | | X | 36 | 47 | 46 | 13 | 13 | 40 | | 106.5-107.3 23 | 66.2 | |
| | 1110-1625 | 4 & 0 | ш | | X | X | X | X | 1 | ш | | Х | ш | | 67 | 17 | لـــــا | 13 | 13 | 42 | ш | 106.5-108.4 20 | 1 | |

| | | | | | _ | | | | | | | | | | | | | | | | | |
|------------------------|------------------------|------------------------------|-------------------------|-------------------------|---------------|---|--------|----|-----|----------------|----------------|----|----------------|--------------|-----------------|----------|----------------|----------------|--------------------------|---------------------|-----------------|--|
| Ga | te and Diffu | | re in p | | | | nd fo | | | | | | | | | | | | | | | ter temperature was taken in the morning from the surface of the trough. |
| Date | Time | Generation (small & large |) 1 : | 2 3 | all Un 4 5 | 6 | 3 7 | 8 | 9 | Units 10 11 | A | ВС | Setting | Diffuse A | er Setting B | Α | y Setting B | Area Gate | Elevation | | Water Temp F | |
| 5/10/2007 | 1625-1820 730-800 | 6 & 4 7 & 4 | | x x | | | (X | | | X X | | X | 38 37 | | 36 45 | 13 | 13 13 | 45 40 | 108.3 107.2 | 23 23 | 68 | |
| | 800-1100 1100-1605 | 4 & 3 4 & 0 | | K | | | X | | | X X | | х | 47 77 | 15 | 40 | 13 | 13 13 | 40 45 | 106.6-106. 106.4-107. | | | |
| 5/11/2007 | 1605-1830 730-1105 | 4 & 3 4 & 3 | | | | | X | x | | x x | | X | 52 48 | | 35 35 | 13 13 | 13 13 | 40 40 | 108 107.1-107. | 22.5 | 68 | |
| | 1105-1625 1625-1700 | 4 & 0 7 & 4 | ν. | x x | X X | X | (X | | | хх | х | ¥ | 75 38 | 15 | 40 | 13 13 | 13 13 | 40 40 | 106.9-108. 108.5 | | | Air Leak coming from crowder doors |
| 5/12/2007 | 730-1300 | 4 & 1 4 & 1 | Ť. | Î | хх | X | X | | | x | | X | 68 | | 35 20 | 13 | 13 | 55 | 107.0-107. | 7 21 | 69.9 | |
| 5/13/2007 | 710-1615 | 2 & 0 | Ħ | | х | | х | | | | х | | 90 | 15 | | 13 | 13 | 40 | 107.0-108. | 17 | 70 | |
| | 1615-1720 1720-1800 | 3 & 2 4 & 3 | | | | X | X X | | | X X | | X | 66 50 | | 45 45 | 13 | 13 | 35 35 | 108.1 108.1 | 21 22.5 | | Cleaned trash racks and gate behind them at end of the day. |
| 5/14/2007 | 700-1200 1200-1305 | 4 & 3 4 & 3 | | | | | X | | | x x | | X | 45 35 | | 50 61 | 13 | 13 13 | 40 30 | 106.7-107. 106.7 | 22.5-22.8 | 71 | |
| 5/15/2007 | 1305-1600 730-1420 | 5 & 4 4 & 2 | х | X | | | X | | | X X | | X | 40 58 | - | 35 43 | 13 | 13 13 | 35 50 | 106.4-106. 106.8-107. | | 71.1 | Hopper cables have a lot of slack. |
| | 1420-1500 1500-1700 | 7 & 3 7 & 4 | | x x | | | X | | | x x | | X | 38 32 | | 43 52 | 13 13 | 13 13 | 50 46 | 107.2 106.8-107. | 23 23.4-23.5 | | |
| 5/16/2007 | 730-1145 1145-1700 | 4 & 2 7 & 4 | x : | x x | X X | X | (X | | Х | x x | | x | 62 40 | 3 | 40 40 | 13 | 13 | 40 50 | 107.3-107. | 21.6-21.9 | 73.4 | Air line for crowder doors being fixed |
| 5/17/2007 | 730-1315 1315-1450 | 4 & 1 7 & 4 | | | x x | X | C X | | | X X | | X | 70 | 5 | 40 | 13 | 13 | 40 40 | 107.6-108. | | 74.3 | |
| | 1450-1615 | 7 & 3 7 & 4 | х : | x x x x | хх | X | X | Х | | x x | | X | 40 | 5 | 40 | 13 | 13 | 40 | 107.8 | 23.1 | | |
| 5/18/2007 | 1615-1700 730-1205 | 4 & 1 | X . | | хх | X | (X | | | | | X | 68 | 5 | 40 38 | 13 | 13 | 40 55 | 107.0-107. | | 71.6 | Needed to decrease crowder area gate to set hopper in pit, cables going very slack. |
| 5/19/2007 | 1205-1710 740-1350 | 4 & 3 2 & 0 | | | X X | | X | | X | х | X | х | 53 95 | 12 | 42 | 13 | 13 13 | 48 40 | 107.3-107. 107.4-108. | 17.7-17.8 | 70.7 | |
| 5/20/2007 | 1350-1700 800-1620 | 1 & 1 2 & 0 | + | | X | | х | х | - | | X | | 90 92 | 12 | | 13 | 13 13 | 40 45-55 | 108.6-108. 107.2-108. | | 69.9 | Capacity test on unit #8. Had problem setting hopper in pit, cable are going slack when hopper is about 6 feet from bottom. |
| 5/21/2007 | 730-930 930-1315 | 4 & 0 4 & 0 | H | H | x x | | X | H | Τ | H | х | х | 89 85 | 15 | 35 | 13 13 | 13 13 | 48 48 | 108.7 108.7-108. | 22.5 | 70 | Downstream weir gate got stuck at 89 %. |
| 5/22/2007 | 1315-1600 730-1300 | 4 & 3 4 & 0 | H | | x x | | X | Х | X | х | х | Х | 43 83 | 12 | 34 | 13 13 | 13 13 | 34 40 | 108.7 108.0-108. | 22.5 | 71.6 | |
| 5/23/2007 | 1300-1600 730-1225 | 4 & 3 | Ħ | H | X X | | X | | X | х | x | х | 57 92 | 15 | | 13 | 13 | 39 | 108.4-108. | 22.3-22.5 | 71.6 | |
| 5:23:2001 | 1225-1300 1300-1600 | 4 & 0 4 & 3 | Ħ | $\downarrow \downarrow$ | x x | X | X | | . x | H. | X | X | 92 80 54 | 14 | 35 | 13 | 13 | 48 45 48 | 107.5-108. | 19.6 | 71.0 | |
| 5/24/2007 | 730-1310 | 2 & 0 | Ħ | | Х | | X | | X | × | х | X | 92-95 | 15 | 38 | 13 | 13 | 60 | 106.8-107. | 17 | 71.6 | |
| | 1310-1420 1420-1600 | 4 & 0 4 & 3 | Ш | X | х | X | (X | х | X | х | х | х | 82 55 | 15 | 35 | 13 13 | 13 13 | 60 | 108.2 108.0-108. | | | Cleaned trash racks and gate behind them at end of the day. |
| 5/25/2007 | 730-1330 1330-1425 | 2 & 0 4 & 1 | Ħ | H | х | | Х | H | ľ | H | х | Х | 92 68 | 14 | 39 | 13 13 | 13 13 | 50 50 | 107.2-108. 108.6 | 21 | 72.5 | Had problem setting hopper in the pit. |
| 5/26/2007 | 1425-1600 730-1325 | 4 & 3 2 & 0 | + | | х | | х | | | | Х | Х | 53 96 | 15 | 39 | 13 | 13 | 50 60 | 108.6-108. 107.0-108. | 22.6 | 75.5 | |
| 5/27/2007 | 1325-1600 720-1305 | 4 & 0 2 & 0 | | | x x | | X | | | | X | | 85 97 | 15 15 | | 13 13 | 13 13 | 60 60 | 108.2-108. 107.0-108. | 18.5 | 77 | |
| 5/28/2007 | 1305-1600 730-1330 | 4 & 1 2 & 0 | | | x x | X | (X | | | х | X | х | 72 96 | 12 | 30 | 13 | 13 | 60 | 108.5-108. 107.5-108. | 3 20.5 | 75.2 | |
| 5/29/2007 | 1330-1600 | 4 & 2 2 & 0 | | х | X X | | X | | | хх | | х | 66 96 | 5 | 20 | 13 | 13 | 56 39 | 107.8-108. | 21.5 | 77.9 | |
| 5/29/2007 | 700-1025 1025-1300 | 0 & 1 | | | ^ | | ^ | Х | | | х | | 96 | 12 | | 13 | 13 | 39 | 107.4-108. | 18.5 | 77.9 | |
| 5/30/2007 | 1300-1500 745-1400 | 0 & 4 2 & 0 | | | х | | х | × | X | x x | х | х | 75 92 | 15 | 23 | 13 | 13 | 35 58 | 108.1 106.5-107. | 21.9 | 79.7 | |
| 5/31/2007 | 1400-1500 745-1330 | 7 & 0 2 & 0 | X : | x x | | X | X | | | | X | | 72 94 | 13 | | 13 | 13 | 48 50 | 106.9 105.7-106. | 20 | 80.1 | Crowder shaking when coming forward. Season is over |
| | | | + | | | | | | | | # | + | | | | | | | | | | |
| 4/3/2006 4/5/2006 | 1130-1600 1115-1145 | 2 & 0 4 & 1 | + | | х | X | (| | | | \blacksquare | X | 84 | | 39 | 13 | 13 | 24 | 107.3-107. 107.9 | 7 18.0-18.5 20.5 | 52.7 48.6 | |
| 4/7/2006 | 1145-1600 1030-1210 | 2 & 0 4 & 2 | | | | - | | | | | | x | 60 | | 50 | 13 | 13 | 25 | 107.9-108. 107 | 18.5 | 55 | Diffuser A and B are not working properly. |
| 4/8/2006 | 1210-1700 940-1205 | 2 & 0 4 & 1 | | | x x | | (X | × | | | х | x | 78 68 | | 40 | 13 13 | 13 | 20 25 | 106.9-107. 107.1-107. | 18 | 54.5 | |
| | 1205-1610 1030-1300 | 2 & 0 | | | х | X | (| Î | X | | х | Ĺ | 78 | 20 | 40 | 13 | 13 | 20 | 107.6-108. | 18 | | |
| 4/9/2006 | 1300-1710 | 4 & 1 2 & 0 | | | X X | X | | | ^ | | X | | 62 78 | 20 20 | | 13 | 13 | 24 24 | 108.2-108. 108.4-108. | 18.5 | 53.6 | Hopper is not lined up correctly with trough. |
| 4/10/2006 | 1100-1110 1110-1530 | 4 & 0 2 & 0 | | | х | × | (| | | | X | | 78 | 45 | | 13 | 13 13 | 28 28 | 107.5 107.7-108. | | 55.1 | Limit switch failed during last lift. Hopper a had to be manually stop at trough. |
| 4/11/2006 | 1030-1210 1210-1630 | 4 & 0 2 & 0 | | | | | | | | | X | | 72 78 | 45 45 | | 13 13 | 13 13 | 20 25 | 107.6 107.7-108. | | 55.4 | |
| 4/13/2006 | 1000-1110 1110-1210 | 4 & 3 4 & 0 | | | | | | | | | | X | 50 65 | | 53 53 | 13 | 13 | 25 25 | 106.7 106.8 | 22 20.5 | 57 | |
| | 1210-1700 1700-1745 | 2 & 0 3 & 0 | + | | | | | | | | X | | 82 76 | 25 25 | | 13 | 13 13 | 25 25 | 106.8-108. 108.2 | 18.5 | | |
| 4/14/2006 | 1030-1415 1415-1745 | 4 & 1 2 & 0 | + | | | | | | | | х | Х | 70 78 | 20 | 18 | 13 | 13 13 | 25 25 | 108.2-108. 108.5-108. | | 57.2 | Limit switch at trough failed. |
| 4/15/2006 | 1000-1200 1200-1700 | 4 & 1 2 & 0 | | | | | | | | | х | Х | 65-68 80 | 20 | 51 | 13 | 13 13 | 25 25-30 | 107.6-107. | | 59 | |
| 4/16/2006 4/17/2006 | 1000-1700 | 2 & 0 | H | H | ļ | ŀ | F | H | F | H | X | Ŧ | 80 72 | 25 45 | | 13 | 13 | 25 20-25 | 107.8-108. | 18.5 | 59.4 | Maintenance here in morning to fix limit switch, Limit switch at trough failed again. |
| 4/18/2006 | 1000-1335 | 4 & 0 | | | | | × | | | | х | | 72 | 40 | | 13 | 13 | 25 | 107.3-107. | 19.5 | 60 | Letter service as a voget name again. |
| 440 | 1335-1605 1605-1720 | 2 & 0 4 & 1 | \Box | x | x x | | (X | х | | U. | x | | 80 62 | 45 35 | | 13 | 13 | 30 40 | 108.1-108. 108.9 | 20.5 | | |
| 4/19/2006 | 950-1210 1210-1720 | 4 & 2 | $\downarrow \downarrow$ | X | | х | X | | | хх | | X | 70 | | 50 55 | 13 | 13 | 25 25 | 107.5-108. | 20.5 | 60.8 | Maintenance made repairs to viewing room gate. Upstream "A" gate tripped mid-day. |
| 4/20/2006 | 930-1230 1230-1815 | 4 & 0 4 & 4 | Ħ | X | X | | (X | x | X | хх | | х | 72 45 | 50 | 52 | 13 | 13 | 25 25 | 107.5-107. 107.0-108. | 22.5 | 61.4 | Had to shut down spills to switch gates. |
| 4/21/2006 | 900-1400 1400-1800 | 4 & 1 3 & 0 | Н | \parallel | l | L | | Ш | | H | х | Х | 60 75 | 15 | 52 | 13 | 13 13 | 26 26 | 106.6-106. 107.3-107. | 19.5 | 62.6 | |
| 4/22/2006 | 1800-1845 800-1100 | 4 & 1 4 & 0 | ₽ | х | X | х | (X | х | _ | ┢ | X | Ⅎ | 70 | 15 | | 13 | 13 | 30 | 107.7 106.1-106. | | 62.6 | |
| | 1100-1300 1300-1730 | 2 & 0 2 & 0 | H | H | Ŧ | Х | X | | | | X | Ŧ | 78 80 | 15 15 | | 13 13 | | 35 25 | 106.5-107. 107.0-107. | 18.5 | | |
| 4/23/2006 | 750-1655 1655-1800 | 4 & 0 4 & 3 | H | x | | Х | (X | | X | | х | х | 70 50 | 15 | 45 | 13 | | 30 | 108.0-109. | | 61.7 | Thin cable for schieve block for air line was wrapped around hoses. Removed. |
| 4/24/2006 | 800-1135 1135-1500 | 7 & 4 4 & 2 | х : | x x | хх | X | X | Х | X | X X | | X | 30 48 | | 45 45 | 13 | 13 | 24 | 106.3-107. | 23 | 61.7 | Maintenance replace guide cable for schieve block. |
| 4 IDE TOOR | 1500-1745 | 7 & 4 | | х х | хх | X | (X | х | X | x x | | X | 30 | 1 | 45 | 13 | 13 | 24 | 107.6-107. | 7 23 | 6:- | политили гурале ушие саше ги зишеге игил. |
| 4/25/2006 4/26/2006 | 800-1445 800-1600 | 7 & 4 7 & 4 | X : | | X X | X | | Х | X | x x | T | X | | \vdash | 50 50 | 13 | 13 | 30 30 | 1073-107. 106.7-107. | 23.0-23.5 | 61.7 59 | |
| 4/27/2006 4/28/2006 | 800-1600 800-1655 | 7 & 4 7 & 4 | X Z | x X X | X X | X | X | X | X | X X | 壯 | X | 28 30 | | 50 45 | 13 | | 30 40 | 107.8-108. 107.2-107. | 23.5 | 59 59 | |
| 4/29/2006 4/30/2006 | 800-1730 700-1120 | 7 & 4 2 & 0 | x : | x x | X X | X | (X | х | X | хх | х | Х | 78 | 15 | 45 | 13 13 | 13 13 | 40 35 | 106.7-108. 107.9-108. | 18.5 | 59 59 | |
| $\vdash = \downarrow$ | 1120-1150 1150-1215 | 4 & 0 4 & 2 | H | | X X | X | (X | | F | x x | х | | 72 52 | 15 | 45 | 13 | 13 13 | 35 35 | 108.7 108.8 | 19 20 | | |
| 5/1/2006 | 1215-1815 800-1215 | 4 & 3 7 & 4 | x · | x x | x x | X | X | X | ı x | x x | H | X | 52 | | 45 50 | 13 | | 35 35 | 108.7-108. 107.3-108. | 3 22 | 59 | |
| 5/2/2006 | 1215-1700 800-1055 | 4 & 0 7 & 4 | , , | Ŷ | хх | X | X | | | x x | Х | · | 71 | 20 | 52 | 13 | 13 | 35 35 | 107.5-108. | 19.5-20.0 | 60.8 | |
| | 1055-1700 | 4 & 0 | | XX | x x | X | X | | | | X | | 70 | 20 | | 13 | 13 | 35 | 106.9-107. | 7 20 | | |
| 5/3/2006 | 800-1210 1210-1650 | 4 & 3 4 & 0 | Ħ | Х | х | Х | (X | | | | | X | 45 75 | | 55 40 | 13 | 13 | 30 30 | 107.6-108. 107.9-108. | 3 20 | 62.3 | |
| | 1650-1730 1730-1800 | 4 & 3 4 & 4 | \pm | X | х | Х | X X | х | X | x x | | X | 45 37 | | 40 40 | 13 13 | 13 13 | 45 45 | 109 108.8 | 22.5 23 | | Hopper cable wrapped around cage on last lift. |
| 5/4/2006 5/5/2006 | 900-1700 | 4 & 2 | DUE TO | | X X | X | (X | | Х | х | | Х | 52 | \pm^{-} | 51 | 13 | 13 | 35 | 108.0-108. | | 64.4 | |
| 5/6/2006 | 1700-1845 800-1300 | 4 & 3 4 & 0 | H | | | | (X | | X | Х | х | Х | 46 70 | 20 | 45 | 13 | 13 13 | 30 35 | 108.7-108. 107.3-108. | | 64.8 | |
| | 1300-1400 | 2 & 0 4 & 1 | H | | Х | | X | | | H | X | х | 79 70 | 10 | 45 | 13 | 13 | 41 25 | 108.5 108.5-108. | 19 | | |
| 5/7/2006 | 830-1800 | 2 & 0 | П | | x | | X | ΠÎ | t | | Х | | 82 | 15 | | 13 | | 30 | 107.0-108. | | 65.3 | Flushed debris and had maintenance come out to fully lower dividing screen hoist. |

| | Ga | te and Diffu | sear catting are | in no | rcon | t one | ın an | d fore | shay a | nd tai | Iraca | alavat | ione | re in fe | at abou | e moan | ena lo | ual and | are taken i | neida our dou | metroom c | hannel Wa | ter temperature was taken in the marning from the surface of the trough |
|--|------------------------|--------------|--------------------|----------|--------|--------|--------|---------|-----------|----------|----------|---------|---------------|-------------------|----------|----------|--------|---------|-------------|----------------------------|--------------|-----------|--|
| The content of the co | Ga | te and Dinc | | in pe | | | | I IOIE | | | | | | | | | | | | | | | ter temperature was taken in the morning from the surface of the trough. |
| | | | (small & large) | 1 2 | | | | 7 | 8 | 9 10 | 11 | AE | 3 C | Setting | | В | A | В | Area Gate | Elevation | Elevation | Temp F | |
| 200 | 3/4/2000 | 1200-1700 | 2 & 0 | | П | | | | | | | | | 82 | 15 | | 13 | 13 | 30 | 106.8-107.9 | 19.5-20.0 | 04.0 | |
| Mathematical Content | 5/9/2006 | 830-1200 | 4 & 1 | | | | | | | | П | | х | 65 | | 55 | 13 | 13 | 35 | 107.6-107.8 | 21 | 66.2 | |
| Mathematical Math | 5/10/2006 | 845-1030 | 4 & 1 | | | | | | | | | | | 63 | | | 13 | 13 | 30 | 106.4-106.7 | 20.5 | 67 | nad problem with crowder screen hoist not ruly lowering. |
| Mart | | 1330-1610 | 3 & 0 | | Н | х | Х | | | | | Х | | 77 | 10 | | 13 | 13 | 20 | 107.3-107.6 | 19.5 | | |
| Part | | 1700-1730 | 4 & 1 | | | к х | Х | | | | | | | 63 | 8 | | 13 | 13 | 35 | 108.2 | 19.5 | | |
| Sept. 18. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | 5/11/2006 | 1000-1400 | 3 & 0 | |) | x x | Х | | | х | | Х | х | 77 | | | 13 | 13 | 30 | 106.2-107.1 | 19 | 66.6 | |
| Mathematical Control | 5/12/2006 | | | |) | x x | х | | | | | | | | | | | | 20 35 | | | 67.8 | |
| See | | | | | | | - | | | | x | | | | | | | | | | | | |
| | 5/13/2006 5/14/2006 | 800-1730 | 4 & 0 | | Н | | х | х | | | | | | | | | 13 | 13 | 30 | | 19.5 | | |
| Mathematical | 5/15/2006 | | | X | | | | | | X | | | | | | 45 | | | | | | | |
| Mathematical Content of the conten | | 1305-1700 | 4 & 1 | | | | | | | | Ĥ | | х | 62 | | 45 | 13 | 13 | 30 | 108.1-108.5 | 21 | | |
| | | 1105-1700 | 4 & 0 | | ٧, | v v | | H | v | | | | | 77 | 15 | | 13 | 13 | 30 | 107.0-107.9 | 19.5 | | |
| | | 1100-1700 | 4 & 1 | | X) | х х | Х | | х | | | | х | 69 | | 45 | 13 | 13 | 30 | 107.3-108.1 | 20.5 | | |
| STATE | 5/16/2006 | 1245-1710 | 4 & 1 | |) | х х | Х | х | | х | | | х | 67 | | 40 | 13 | 13 | 25-30 | 107.5-108.1 | 20.5 | 00.2 | |
| Series | 5/19/2006 | 800-1300 | 4 & 3 | | | | | | | X | X | | х | 50 | | 36 | 13 | 13 | 40 | 107.9-108.1 | 22 | 66.2 | |
| See | 5/20/2006 | 800-1130 | 4 & 0 | х | х | Х | Х | | х | | | | х | 78 | | | 13 | 13 | 35 | 107.0-107.3 | 19 | 64.4 | |
| Martin | | 1210-1710 | 4 & 0 | х | | x x | Х | | | | | х | | 84 | 15 | | 13 | 13 | 25 | 107.9-108.4 | 19 | | |
| Martin | 5/21/2006 | 810-1650 | 4 & 0 | Ⅎ | | х х | Х | | | Ŧ | | х | Ш | 82 | | | 13 | 13 | 20-30 | 107.7-108.1 | 19 | | |
| Solvey | 5/22/2006 | | | | | | | | | | х | LΤ | | | H | | | | | | | 63 | |
| Column C | 5/23/2006 | | | + | | | | | | | х | H | | | \vdash | | | | 35 | | | 62.6 | |
| Section 1 | | 1225-1315 | 4 & 0 | |) | ΧХ | Х | Х | H | + | | х | | 72 | 15 | 20 | 13 | 13 | 35 | 107.5 | 20 | | |
| Control Cont | 5/24/2006 | 1500-1655 | 4 & 0 | + |) | x x | Х | Х | × | x | | Х | x | 80 | | | 13 | 13 | 17 | 108.2 | 19 | 62.2 | |
| Mathematical Control | | 1225-1445 | 4 & 0 | |) | х х | Х | х | Ħ | # | H | х | Ħ | 80 | | | 13 | 13 | 30 | 107.4-107.5 | 19.5 | | |
| Mathematical Math | E/2E/2006 | 1715-1800 | 4 & 1 | |) | x x | Х | Х | х | | | Х | | 67 | 15 | | 13 | 13 | 30 | 108.3 | 20.5 | 64.4 | Milhon lowering "A" gate, board loud hong |
| 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 3/23/2000 | 820-1220 | 4 & 0 | | X) | x x | Х | | | | | Х | | 80 | | | 13 | 13 | 30 | 108.2-108.6 | 19.5 | 04.4 | when lowering A gate, heard roud bang. |
| Mathematical Control | | 1400-1700 | 4 & 4 | | | | | | | | х | | | 45 | | 40 | 13 | 13 | 35 | 107.9-108.1 | 22.5 | | |
| 7900 7900 7900 7900 7900 7900 7900 7900 | 5/26/2006 | 800-1200 | 4 & 0 | | Ш | | | | | | | | | 84 | | | 13 | 13 | 35 | 108.1-108.4 | 19.5 | 65.3 | |
| 200 | 5/27/2006 | 700-1200 | 2 & 0 | | | | | | | | | | X | 90 | | | 13 | 13 | 30 | 107.6-108.5 | 18.5 | 64.4 | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | 4 & 1 | |) | x x | Х | х | | | | | х | | | 30 | 13 | | 30 | | | | |
| Column C | 5/28/2006 | 1410-1700 | 4 & 1 | | | х | Х | | | x | | | х | 70 | | 45 | 13 | 13 | 30 | 108.4-108.7 | 20 | | Air leaking from one of the crowder doors. Hole in the line. |
| March Marc | 5/29/2006 | | | + | x | | | X | | х | Н | х | х | | 15 | | | | | | | 68 | |
| 1900-1900 14 | 5/30/2006 | | | |) | | | X | | x | | х | х | | 15 | 40 | | | | | | 70 | |
| | 5/31/2006 | | | хх | X) | | | | х | хх | | | х | 35 | 15 | 45 | 13 | 13 | 35 30 | | | 71.3 | |
| 1905 14 15 15 15 15 15 15 1 | | 1225-1500 | 4 & 3 | |) | х х | Х | | х | хх | | | х | 48 | | 40 | 13 | 13 | 30 | 107.4-107.6 | 22 | | |
| 900 1900 1900 1904 190 190 190 190 190 190 190 190 190 190 | | 1200-1500 | 4 & 2 | | | ΧХ | | х | | хх | | | х | 64 | | 30 | 13 | 13 | 30 | 107.1-107.5 | 22 | | |
| 179-1909 | | 1300-1500 | 4 & 4 | | | к х | Х | х | х | хх | | | х | 50 | | | 13 | 13 | 30 | 108.7-109.0 | 22.5 | | |
| March Marc | | 1210-1400 | 4 & 3 | х | х | х | Х | | | хх | х | | х | 55 | | | 13 | 13 | 30 | 109.1 | 22 | | |
| 115-140 4.5 | 6/4/2006 | 830-1030 | 4 & 0 | | | x x | Х | х | | | | Х | | 80 | 15 | | 13 | 13 | 30 | 107.9-108.1 | 19.5 | /5.6 | |
| 100-110 | | 1115-1400 | 4 & 1 | | | | | | | | | | | 70 | 15 | 30 | 13 | 13 | 30 | 108.0-108.1 | 20.5 | | |
| 1900-1715 | 6/5/2006 | 730-1115 | 4 & 1 | | X X | x x | х | | | | х | | х | 58 | | 30 | 13 | 13 | 30 | 108.0-108.5 | 21 | 75.6 | |
| 195-1950 | 4/23/2001 | | | | Н | | | | | | | | х | | | | | | | | | 52.7 | |
| 156-180 | 4/25/2001 | 945-1545 | 6 & 4 | Ŧ | Н | Ŀ | E | Н | Х | хх | Х | | X | 39 | | 47 | | | 18 | 107.1-107.5 | 23 | 55.4 | |
| 150-1815 6 A 4 | | 1545-1830 | 6 & 4 | \pm | H | | F | H | Х | хх | Х | | | 58 | | 55 | | | 30 | 107.5-107.7 | 23 | | |
| | | 1150-1815 | 6 & 4 | + | H | | F | H | Х | ХХ | Х | | х | 58 | 25 | 55 | | | 30 | 107.6-108.4 | 23 | | |
| 986-1015 | | 800-845 | 4 & 0 | + | H | | | H | H | Ë | | | | 84 | F | 70 | | | 10 | 108.2 | 17.5 | | |
| 1900-1716 | | 955-1015 | 6 & 4 | + | H | | | H | | | | | | 50 | 25 | 70 | | | 7 | 108.3 | 22 | | |
| 1790-1100 | | 1600-1715 | 4 & 3 | # | Ħ | L | F | Ħ | | | | | Х | | | | | | | 107 | 22.5 | | |
| 1300-1535 4.8.1 | 4/29/2001 | 730-1100 | 2 & 2 | 1 | Ħ | L | F | Ħ | | Х | Х | | х | 80 | | 70 | | | 10 | 108 | 17.5 | 60 | Two Large turbine stuck in spin mode. |
| 100-100 2 & 2 & 2 & 3 & 3 & 4 & 4 & 4 & 4 & 5 & 5 & 5 & 5 & 5 & 5 | | 1300-1535 | 4 & 1 | 1 | Ħ | L | F | Ħ | \Box | | | | Х | 76 | 25 | 55 | | | 28 | 108 | 20.5 | | |
| 1200-1840 | | 750-1000 | 2 & 2 | 1 | Ħ | | L | Ħ | | Х | Х | | х | 90 | | 55 | | | 30 | 108 | 17.5 | 62.6 | |
| Had maintenance come out to switch anound plates, fish dumped into sorting tank and 41 staged for betweety study. Second Se | | 1200-1840 | 6 & 4 | | Н | | L | H | | | Х | | Х | 49 | | 47 | | | 12 | 107.4-108.0 | 23 | | |
| 900-1050 | | Had maintena | ance come out to s | | ound p | lates, | | umped i | | | and 4 | 1 tagge | d for tele | 80 metry stud | dy. | 70 | | | | | | | |
| 1050-1215 | 5/2/2001 | 900-1050 | 2 & 1 | ╅ | | | F | | H | ╬ | | H | х | | ┢ | 70 | | | 10 | 108.1-108.4 | 19 | 66.2 | |
| | | 1215-1350 | 4 & 2 6 & 4 | Ŧ | Ħ | F | E | | | | | | X | 40 | E | 47 60 | | | 7 30 | 108.7 | 23 | | |
| 1010-1245 | 5/3/2001 | | | - | х | | F | X | | х х | X | H | X | 28 | | 70 | | | | | | 67.1 | Unit 11 stuck on slow spin -45% |
| \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | 1010-1245 | 4 & 2 | witch an | ound p | lates. | fish d | umped i | into sort | ing tani | | | X 1Shad fe | 50 or telemetr | y study. | 70 | | | | | | | |
| 55/2007 800-1100 1 6.3 | 5/4/2001 | 820-1200 | 1 & 3 | Ŧ | Ħ | F | F | Ħ | HĨ | Ŧ | | | Х | 80 | Ħ. | | - | | | | | 69.9 | |
| | 5/5/2001 | 800-1100 | 1 & 3 | | Ħ | | | Ħ | H | хх | | | | 80 | | 70 | | | 10 | 107 | 18 | 68.9 | Large units stuck in slow spin. |
| 1230-1350 | | 730-1830 | 2 & 3 | + | Ħ | F | F | H | H | # | | | | 80 | | 70 | | | - 11 | 107 | 18 | | Large units stuck in slow spin. |
| 1430-1530 6 & 2 | arr/2001 | 1230-1350 | 4 & 2 | 1 | Ħ | | t | Ħ | H | # | | | Х | 64 | | 70 | | | 70 | 108.6-108.7 | 18.5 | 09.9 | Post in the first of the second of the secon |
| \$892001 \$39-1246 2 & 1 X X X X X X X X X | | 1430-1630 | 6 & 2 | + | H | | L | Ħ | Н | t | | | х | 40 | | 60 | | | 30 | 108.7 | 22 | | Problems with the crowder, maintance came out and fixed |
| Had maintenance come out to switch around plates, this dumped into corting task, and tagged Shad for telementry study. 992001 80 119 2 8 1 X X X X X X X X X X X X X X X X X X | 5/8/2001 | 830-1245 | 2 & 1 | х | Н | | L | | | X X | Х | | Х | 84 | | 70 | | | 6 | 106.7-107.3 | 18.5 | 68.9 | Large Units stuck on slow spin |
| 5/9/2001 800-1130 2 & 1 X X X X X X X X X | | Had maintena | ance come out to s | witch an | ound p | lates, | fish d | umped i | into sort | ing tanl | k and ta | agged S | had for | elemetry s | | | | | | | | | |
| | 5/9/2001 | 800-1130 | 2 & 1 | | X | X | | | | X X | X | | X | 84 | | 70 70 | - | | | 107.0-107.3 107.6-108.3 | 18.5 18.5 | 71.6 | Large units stuck on slow spin. Both doors on hopper open, maintenance came out to fix. |

| | te and Dinus | ser setting an | einp | erce | ent o | pen | and f | orek | oay a | nd ta | ailra | | | | are in f | eet at | ove mean | sea le | el and | are taken i | nside our | downstre | am ch | annel. Wa | ter temperature was taken in the morning from the surface of the trough. |
|-----------|----------------------------|-------------------------------|----------|-------|----------|------------|--------|--------|---------|--------|--------------|---------|--------|--------|-----------------|----------|---------------|---------|----------------|----------------------|---------------------|----------|-------|-----------------|--|
| | | | Ш | | Ц | Д | | | | | | | | | | ш. | | | | | | | | | |
| Date | Time | Generation (small & large) | 1 | | mall U | Inits 5 | 6 7 | 7 | La 8 | rge Ui | nits 0 11 | ++' | Weir 0 | C | Gate | | fuser Setting | Spillwa | y Setting B | Crowder Area Gate | Foreba Elevation | | | Water Temp F | |
| | 1530-1800 | 4 & 2 | Ù | | | | | | | | | | | Х | 86 | | 47 | | | 7 | 108.6 | 21 | | | |
| 5/10/2001 | 800-850 | 2 & 1 | | X | Ш | 4 |) | | | X) | (X | | | Х | | | | | | 4 | 106.2 | 16. | | 74.3 | |
| | 850-1100 1100-1335 | 2 & 1 2 & 3 | H | | H | + | - 1' | X | | X) | (X | + | - | X | 84 75 | ++ | 70 35 | + | | 6 15 | 106.6-10 | | | | |
| | 1335-1430 | 2 & 3 | | | | | | | | | | | | Х | 95 | | 70 | | | 10 | 107.8 | 19 | | | |
| | Had maintenar 1515-1730 | nce come out to s | witch: | aroun | d plate | s, fist | dump | ped in | to sort | ing ta | nk an | d tage | ged 40 | Shad | for telem 95 | etry stu | dy. 70 | | | 10 | 108.1-10 | .5 19 | | | |
| | 1730-1830 | 4&1 | H | + | H | + | _ | H | | + | + | + | + | X | 70 | ++ | 70 | | | 10 | 108.1-10 | 21 | | | |
| 5/11/2001 | 830-1300 | 2 & 3 | | | | | | | | | | | | Х | 80 | | 70 | | | 10 | 107.3-10 | .6 18 | 1 | 74.3 | |
| 5/12/2001 | 1300-1320 800-1400 | 2 & 3 1 & 3 | | + | Н | 4 | _ | _ | | _ | + | ++ | 4 | Х | 70 | | 70 | | | 10 7 | 108.4-10 | | | 74.3 | Broke cables on crowder, limit switch failed. |
| 5/12/2001 | 1400-1830 | 1 & 3 2 & 3 | H | + | H | + | + | + | | + | + | + | - | X | 72 | ++ | 55 | + | | - ' | 105.6-10 | | | 74.3 | |
| 5/13/2001 | 800-1630 | 2 & 3 | | | | | | | | | | | | Х | | | | | | | 106.4-10 | .7 17.5- | 18.0 | 73.4 | |
| 5/14/2001 | 800-830 | 2 & 0 | | + | Н | 4 | _ | - | | _ | + | ++ | 4 | Х | 92 | | 35 | | | 10 | 106.4 | 16. | | 72.5 | |
| | 830-1500 1500-1750 | 2 & 0 | H | + | H | + | _ | H | | + | + | + | + | X | 80 79 | ++ | 55 35 | | | 30 45 | 106.7-10 | | | | |
| 5/15/2001 | 800-1050 | 2 & 0 | | | | | | | | | | | | Х | 80 | | 55 | | | 30 | 107.4 | 18 | | 71.6 | |
| | 1050-1240 | 2 & 0 | H | + | H | 4 | + | + | _ | 4 | + | + | 4 | X | 79 | + | 35 | 1 | | 45 | 107.7-10 | | | | |
| | 1240-1315 1315-1400 | 2 & 2 2 & 2 | H | + | H | + | + | + | - | + | + | Ħ | + | X | 84 70 | + | 70 70 | + | | 10 | 108.3 | 20 | | | |
| | Had maintenar | nce come out to s | witch: | aroun | d plate | s, fist | n dump | ped in | to sort | ing ta | nk an | d tagg | ged St | ad for | telemetry | study. | | | | | | | | | |
| | 1500-1750 | 2 & 2 | H | # | H | Х | | x | | X 3 | | Ц | # | X | | # | 70 | 1 | | 10 | 108.3-10 | | | co.o. | Lance college back on a lance of |
| 5/16/2001 | 800-1240 1240-1530 | 2 & 0 | H | + | | X | | X X | | X X | | + | + | X | 80 79 | ++ | 55 35 | + | | 30 45 | 106.2-10 | | | 69.8 | Large units stuck on slow spin. |
| | 1530-1800 | 4 & 1 | | 1 | | Ì | ľ | | | Ì | L | Ш | | Х | 64 | | 70 | | | 7 | 107.9-10 | .3 21 | | | |
| 5/17/2001 | 830-930 930-1020 | 2 & 0 | H | | X | 4 | -# | H | -1 | 4 | +- | # | # | X | 90 74 | # | 51 30 | 1 | | 20 10 | 105.6-10 | i.7 18 | | 68.9 | |
| | 930-1020 1020-1400 | 2 & 0 | H | X | Х | + | X) | x | | + | + | + | - | X | 74 | ++ | 30 35 | - | | 10 | 105.8 | | | | |
| | Had maintenar | nce come out to s | witch: | aroun | d plate | s, fish | dump | ped in | to sort | ing ta | nk an | d tagg | ged Sh | ad for | telemetry | study. | | | | | | | | | |
| | 1313-1043 | 200 | | | Ш | | ^ / | ^ | | | | Ш | | ^ | 00 | | 55 | | | 30 | 106.6-10 | | | | |
| 5/18/2001 | 1645-1800 800-1715 | 2 & 2 | H | + | H | + | X) | X | | + | + | + | - | X | 79 83 | ++ | 35 30 | - | | 45 2 | 107.5-10 | | | 70.7 | |
| 5/19/2001 | 800-1715 | 2 & 2 | H | + | Ħ | 1 | _ | Ħ | | _ | + | Ħ | | Х | 83 | # | 30 | + | | 2 | 106.4-10 | | | 70.7 | |
| | 1715-1745 | 4 & 2 | | х х | Х | |) | Х | | X) | < | Ш | | Х | | | | | | | 108.2 | 21. | | | |
| 5/20/2001 | 800-1730 830-1320 | 2 & 3 | H | + | H | + | - | + | | X) | (X | $^{+}$ | - | X | 96 74 | ++ | 70 30 | - | | 5 10 | 104.9-10 | | | 70.7 68.9 | Large units stuck on slow spin |
| GE1/2001 | 1320-1530 | 2 & 0 | H | + | Ħ | 1 | _ | Ħ | | _ | + | Ħ | | Х | 74 | # | 30 | + | | 10 | 105.8-10 | | | 00.0 | |
| | 1530-1720 | 2 & 0 | | _ | Ш | \perp | | | | | | П | | Х | 70 | 4 | 55 | | | 30 | 106.6-10 | | | | |
| 5/22/2001 | 800-1050 1050-1345 | 280 | H | + | + | + | _ | + | | + | + | ++ | _ | X | 74 80 | ++ | 30 55 | + | | 10 | 106.0-10 | | | 69.5 | |
| | 1345-1530 | 2 & 0 | Ħ | T | Ħ | 1 | | Ħ | | | T | Ħ | | Х | 79 | # | 35 | | | 45 | 107.6-10 | 1.0 18 | 1 | | |
| | 1530-1540 | 4 & 2 | | _ | Ш | \perp | | | | | | П | | Х | 70 | 4 | 70 | | | 10 | 108 | 18 | | | |
| 5/23/2001 | 1540-1750 800-1025 | 4 & 2 2 & 0 | H | × | H | + | - | x | | X 3 | (X | + | - | X | 50 79 | ++ | 70 35 | - | | 7 | 108.2 | 21 | | 71.6 | Large Units stuck on slow spin |
| | 1025-1300 | 2 & 0 | | Х | П | # | 3 | X | | X 2 | (X | ш | | Х | 79 | | 35 | | | 4 | 106.7-10 | .3 18. | 5 | | and a second sec |
| | | nce come out to s | witch | | | s, fish | | | | | | | ged 50 | Shad | | etry stu | | | | | | | | | |
| | 1415-1450 1450-1745 | 2 & 0 | H | X | | + | 3 | X | | X Z | | | - | X | 79 73 | ++ | 35 35 | | | 4 20 | 107.4 | 18. | | | |
| 5/24/2001 | 800-920 | 2 & 0 | | Ť | Ħ | # | | | | | Ï | ш | | Х | 74 | | 30 | | | 10 | 105.4-10 | i.5 18 | | 70.2 | |
| | 920-1240 | 2 & 0 | П | T | П | Ţ | Ŧ | П | | T | ┰ | П | I | Х | 74 | П | 30 | | | 10 | 105.7-10 | | | | |
| - | 1240-1535 1535-1730 | 2 & 0 | H | + | H | + | + | + | - | + | + | $^{+}$ | + | X | 80 79 | + | 55 35 | + | | 30 45 | 106.7-10 | | | | |
| 5/25/2001 | 800-1000 | 2 & 0 | Ħ | ᆂ | Ħ | ₫ | ⇉ | ▆ | | _ | 土 | \pm | _ | X | 74 | ш | 30 | ш | | 10 | 106.9-10 | .0 18.0- | 18.5 | 70 | |
| | 1000-1400 | 2 & 3 | H | Ŧ | П | 7 | 7 | П | I | | F | П | 7 | Х | 95 | Т | 70 | | | 10 | 107.3-10 | | | | |
| 5/26/2001 | 1400-1700 1000-1700 | 2 & 2 1 & 3 | H | + | H | + | + | + | - | X 3 | - | $^{+}$ | + | X | 83 74 | + | 30 30 | + | | 10 | 108.0-10 | | | 70.7 | |
| 5/27/2001 | 1500-1640 | 2 & 3 | Ħ | I | Ħ | ₫ | ⇉ | ∄ | | ⇉ | T | ш | ₫ | X | 95 | 世 | 70 | | | 10 | 108.2 | 18. | 5 | 71.6 | Cyclinder to hopper door was bent, maintenance came out and swapped out cylinders. |
| 5/28/2001 | 1045-1240 | 3 & 0 | П | Ŧ | П | 1 | 7 | П | | Ŧ | T | П | 1 | Х | 79 | П | 35 | | | 4 | 108 | 18. | | 71.6 | Downstream weir gate tripped |
| 5/29/2001 | 1240-1730 1000-1140 | 4 & 1 4 & 1 | H | + | H | + | + | + | - | + | + | $^{+}$ | + | X | 58 70 | + | 55 70 | + | | 30 10 | 108.0-10 | 1.2 21 | | 71.4 | |
| | 1140-1340 | 4 & 1 | ╚ | 1 | ⇈ | ⇉ | 士 | 븨 | | コ | t | ш | ᆂ | Х | 86 | 世 | 47 | | | 7 | 108.5 | 21 | | | |
| | 1340-1730 | 4 & 3 | П | T | П | Ţ | Ŧ | П | | T | ┰ | П | I | Х | 50 | П | 70 | | | 7 | 108.1-10 | 1.5 22 | : | | |
| 5/30/2001 | 1030-1240 1240-1315 | 2 & 0 4 & 1 | H | + | H | + | + | + | - | + | + | $^{+}$ | + | X | 79 86 | + | 35 47 | + | | 10 7 | 108.0-10 | 1.4 18 | | 71.4 | |
| 1 | 1315-1340 | 4 & 3 | H | + | Ħ | \dashv | $^{+}$ | Ħ | _ | + | + | $^{+}$ | + | X | 50 | + | 70 | + | | 7 | 108.6 | 21 | | | |
| | 1340-1700 | 4 & 3 | Ш | | П | | | Ш | | | | Ш | | Х | 40 | Ш | 60 | | | 30 | 108.5-10 | 1.6 22 | : | | |
| 5/31/2001 | 1000-1220 1220-1615 | None 4 & 1 | \vdash | + | H | + | + | Н | | + | + | + | - | X | 79 70 | + | 35 70 | + | | 10 | 107.2-10 | | | 69.8 | "NO UNITS ON" |
| 6/1/2001 | 1000-1300 | 1&3 | H | + | Ħ | \dashv | + | H | _ | + | + | $^{+}$ | + | X | 79 | + | 35 | + | | 10 | 107.5-10 | | | 69.9 | |
| | 1300-1700 | 4 & 1 | П | 1 | П | 1 | | П | | | I | П | | Х | 70 | ш | 70 | | | 10 | 108.1-10 | .2 21. | 5 | | |
| 6/2/2001 | 1000-1500 1500-1700 | 1 & 3 | H | + | \vdash | + | + | + | _ | + | + | $^{++}$ | - | X | 79 70 | + | 35 70 | + | | 10 | 107.6-10 | 1.6 18. | | 69.6 | |
| 6/3/2001 | 1000-1700 | 1&3 | H | + | Ħ | + | $^{+}$ | H | _ | + | + | $^{+}$ | + | X | 70 | + | 35 | + | | 10 | 108.9 | | | 72.5 | Trash rack "A" tripped |
| 6/4/2001 | 1030-1125 | 1 & 0 | П | 1 | П | # | 1 | П | | | | П | 1 | Х | 75 | ш | 35 | | | 20 | 107.3-10 | .6 18 | 1 | 70.7 | |
| 6/6/2001 | 1125-1500 1030-1210 | 4 & 1 4 & 0 | H | + | $^{++}$ | 4 | + | + | _ | 4 | + | 4 | 4 | X | 84 84 | + | 70 70 | 1 | | 10 10 | 107.9-10 | | | 70 | |
| | 1030-1210 | | \vdash | + | + | + | -+ | | | | + | ++ | - | | 70 | ++- | 70 | +- | | 10 | 107.8-10 | | | 70 | |
| | 1210-1345 | 4 & 2 | | | 1 1 | | | - 1 1 | | | | | | X | 70 | | | | | | | | | | |

| | OPE | RATIONA | L MATRIX FO | OR CONOWING | GO EAS | T FISH | LIFT | |
|-------------|----------------|---------------------|--------------------------|-----------------------------|------------------|---------------|----------------|----------------|
| | | | | | | | | |
| | | 1 | RECOMMEN | DED GATE SETTIN | GS | • | | |
| | | | | | | | | |
| Operati | ng units | Discharge | Upstream Weir | Downstream Weir | Diffuser A | Diffuser B | Crowder | Spillways |
| Small | Large | (CFS) | Gate "A" (UWG) | Gate "C" (DWG) | | | Area Gate | |
| 1 | 0 | 5,000 | 95 | Closed | 5-10 | Closed | 20 | 12-14 |
| 2 | 0 | 7,500-10,000 | 85-92 | Closed | 5-10 | Closed | 20 | 12-14 |
| 3 | 0 | 15,000 | 78-85 | Closed | 5-10 | Closed | 20-25 | 12-14 |
| 4 | 0 | 20,000 | 74-78 | Closed | 5-10 | Closed | 20-25 | 12-14 |
| 5 | 0 | 25,000 | 70-75 | Closed | 10 | Closed | 20-30 | 12-14 |
| 6 | 0 | 30,000 | 65-70 | Closed | 10 | Closed | 20-30 | 12-14 |
| 7 | 0 | 35,000 | 62-67 | Closed | 10-15 | Closed | 20-30 | 12-14 |
| 4 | 1 | 30,000 | 65-75 | Closed | 10-20 | Closed | 25-40 | 12-14 |
| 0 | 0 | 20.000 | Olasad | CE 75 | Olasasi | 50 | 0.5 | 40.44 |
| 2 | 2 | 30,000 35,000 | Closed | 65-75 48-55 | Closed Closed | 50 50 | 25 | 12-14 |
| 3 | 4 | 55,000 | Closed Closed | 43-52 | Closed | 50 | 25-35 30-40 | 12-14 12-14 |
| 4 | 0 | 20,000 | Closed | 72-78 | Closed | 50 | 25 | 12-14 |
| 4 | 1 | 30,000 | Closed | 65-74 | Closed | 50 | 25-35 | 12-14 |
| 4 | 2 | 40,000 | Closed | 50-55 | Closed | 50 | 25-35 | 12-14 |
| 4 | 3 | 50,000 | Closed | 45-53 | Closed | 50 | 30-40 | 12-14 |
| 4 | 4 | 60,000 | Closed | 40-50 | Closed | 50 | 30-40 | 12-14 |
| 5 | 4 | 65,000 | Closed | 40-48 | Closed | 50 | 30-40 | 12-14 |
| 6 | 1 | 40,000 | Closed | 55-60 | Closed | 50 | 25-35 | 12-14 |
| 6 | 2 | 50,000 | Closed | 52-57 | Closed | 50 | 30-40 | 12-14 |
| 6 | 3 | 60,000 | Closed | 40-50 | Closed | 50 | 30-40 | 12-14 |
| 7 | 1 | 45,000 | Closed | 53-59 | Closed | 50 | 30-40 | 12-14 |
| 7 | 2 | 55,000 | Closed | 40-50 | Closed | 50 | 30-40 | 12-14 |
| 7 | 3 | 65,000 | Closed | 38-45 | Closed | 50 | 30-40 | 12-14 |
| 7 | 4 | 75,000 | Closed | 30-40 | Closed | 50 | 30-40 | 12-14 |
| | | 10,000 | | | | | | |
| *When Ope | erating either | er Weir Gate, no | water should be going | out the other Weir Gate | e. Diffuser B | should be u | sed for "C" o | ate |
| | | | | be cracked open to help | | | | |
| | | | | e water crashing onto I-b | | | | |
| ***When w | ater in east | channel is spilling | ig over angle wall thei | n the Diffuser and/or Cro | wder Area C | Sate should | be opened fa | arther or |
| | | | until spilling has stopp | | | | | |
| | | | | ay have to be raised afte | | | | |
| *****Only w | hen unit #8 | is on should the | "A" gate be tried. Thi | s should only be used w | hen unit #8, | is only large | e unit going t | o be on |
| | | | | mall units only, in the nea | ar future. | | | |
| ******These | e gate setti | ngs are only re | commended. | | | | | |
| | | | | | | | | |
| | | | n Flows | # of units | | | | |
| | | April | 10,000 | 2 Small | | | | |
| | | May | 7,500 | 2 Small | | | | |
| | | 1 | E 000 | 4 Cm all | 1 | 1 | l . | 1 |

1 Small

June

5,000

| Conc | owingo East Lift | Time Compared to Date | and Gene | ration Units running. |
|------|------------------|-----------------------|-----------|-----------------------|
| | Generation | Generation | Lift Time | |
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |

2001

During the 2001 season the large units (8,9,10,11) were stuck on slow spin.

| Spiii. | 0 | 0 | 1 :6 Time a | |
|-----------|----------------|---------------|-------------|--|
| | Generation | Generation | Lift Time | |
| Date | Time (24 Hour) | Small + Large | (24 Hour) | |
| 4/23/2001 | 1130-1715 | 6 + 4 | 1145 | |
| | | | 1245 | |
| | | | 1345 | |
| | | | 1445 | |
| | | | 1545 | |
| | | | 1645 | |
| | | | 1715 | |
| 4/25/2001 | 945-1830 | | 1030 | |
| | | | 1100 | |
| | | | 1145 | |
| | | | 1230 | |
| | | | 1315 | |
| | | | 1400 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1700 | |
| | | | 1745 | |
| | | | 1830 | |
| 4/26/2001 | 930-1815 | 6 + 4 | 1000 | |
| | | | 1045 | |
| | | | 1145 | |
| | | | 1215 | |
| | | | 1245 | |
| | | | 1315 | |
| | | | 1345 | |
| | | | 1415 | |
| | | | 1445 | |
| | | | 1515 | |
| | | | 1545 | |
| | | | 1615 | |
| | | | 1645 | |
| | | | 1715 | |
| | | | 1715 | |
| | | | | |
| 4/07/0004 | 045 4000 | 0 : 4 | 1815 | |
| 4/27/2001 | 945-1830 | 6 + 4 | 1000 | |
| | | | 1040 | |
| | | | 1105 | |
| | | | 1140 | |
| | | | 1215 | |

| | Generation | Generation | Lift Time | |
|-----------------|-----------------|------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1245 | |
| | | | 1315 | |
| | | | 1345 | |
| | | | 1415 | |
| | | | 1445 | |
| | | | 1515 | |
| | | | 1545 | |
| | | | 1615 | |
| | | | 1645 | |
| | | | 1700 | |
| | | | 1730 | |
| | | | 1800 | |
| | | | 1830 | |
| 4/28/2001 | 800-845 | 4 + 0 | 845 | |
| ., _ 0, _ 0 0 1 | 845-955 | 4 + 2 | 915 | |
| | 0.0000 | 1 ' 4 | 1000 | |
| | 955-1600 | 6 + 4 | 1045 | |
| | 300 1000 | 017 | 1130 | |
| | | | 1215 | |
| | | | 1300 | |
| | | | 1340 | |
| | | | 1430 | |
| | 1600-1715 | 4 + 3 | 1615 | |
| | 1000-1713 | 4+3 | 1700 | |
| | 1715-1745 | 6 + 4 | 1700 | |
| 4/29/2001 | 730-1300 | 2+2 | 900 | |
| 4/29/2001 | 730-1300 | 2 + 2 | 945 | |
| | | | | |
| | | | 1015 | |
| | | | 1100 | |
| | | | 1135 | |
| | | | 1215 | |
| | 1000 1505 | | 1300 | |
| | 1300-1535 | 4 + 1 | 1330 | |
| | | | 1345 | |
| | | | 1410 | |
| | | | 1425 | |
| | | | 1440 | |
| | | | 1455 | |
| | | | 1520 | |
| | | | 1535 | |
| | 1535-1835 | 6 + 4 | 1550 | |
| | | | 1605 | |
| | | | 1615 | |
| | | | 1630 | |
| | | | 1645 | |
| | | | 1705 | |
| | | | 1725 | |
| | | | 1745 | |

| | Generation | ime Compared to Da Generation | Lift Time | |
|------------|---------------------|----------------------------------|--------------|-----------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | , , | , , | 1800 | |
| | | | 1835 | |
| large tur | bines stuck in spir | n mode (#9, #11 can' | | vn completely). |
| | | | | |
| 1/30/2001 | 750-1000 | 2 + 2 | 910 | |
| | | | 950 | |
| | 1000-1200 | 4 + 2 | 1035 | |
| | | | 1115 | |
| | | | 1145 | |
| | 1200-1840 | 6 + 4 | 1235 | |
| | | | 1320 | |
| | | | 1400 | |
| | | | 1430 | |
| | | | 1500 | |
| | | | 1530 | |
| | | | 1600 | |
| | | | 1630 | |
| | | | 1700 | |
| | | | 1730 | |
| | | | 1800 | |
| | | | 1840 | |
| 5/1/2001 | 750-1230 | 7 + 3 | 830 | |
| 3/1/2001 | 750-1250 | 7+3 | 900 | |
| | | | | |
| | | | 930 | |
| | | | 1000 | |
| | | | 1030 | |
| | | | 1100 | |
| | | | 1130 | |
| | | | 1205 | |
| | | | 1225 | |
| | | ound plates, fish dur | nped into so | rting tank. |
| iiu 41 tay | ged for telemetry | study. (1430) | | |
| 5/2/2001 | 800-1050 | 2 + 1 | 900 | |
| | | · · | 930 | |
| | | | 1000 | |
| | | | 1030 | |
| | 1050-1215 | 4 + 2 | 1100 | |
| | 1000 1210 | 7 7 4 | 1130 | |
| | | | 1200 | |
| | 1215-1815 | 6 + 4 | 1230 | |
| | 1210-1010 | 0 † 4 | 1300 | |
| | | | 1330 | |
| | | | | |
| | | | 1400 | |
| | | | 1430 | |
| | | | 1500 | |
| | | | 1530 | |
| | | | 1600 | |

| | Generation | ime Compared to Da Generation | Lift Time | |
|------------|--|----------------------------------|--------------|-------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | , | 1 0 | 1630 | |
| | | | 1700 | |
| | | | 1730 | |
| | | | 1800 | |
| | | | 1815 | |
| aint. here | in morning to sw | itch plate from sort | | |
| 10/0004 | 000 4040 | 0 . 0 | 0.45 | |
| 5/3/2001 | 830-1010 | 2 + 0 | 845 | |
| | | | 915 | |
| | | | 945 | |
| | 1010 :::- | | 1015 | |
| | 1010-1245 | 4 + 2 | 1045 | |
| | | | 1115 | |
| | | | 1145 | |
| | | | 1215 | |
| | | | 1245 | |
| | | ound plates, fish du | mped into so | rting tank. |
| | ged for telemetry solates back to trou | | | |
| witched | Diates Dack to trou | gn (1500). | | |
| 5/4/2001 | 820-1200 | 1 + 3 | 915 | |
| ., | 520 1200 | | 1000 | |
| | | | 1015 | |
| | | | 1025 | |
| | | | 1035 | |
| | | | 1045 | |
| | | | 1100 | |
| | | | 1110 | |
| | | | | |
| | | | 1125 | |
| | | | 1135 | |
| | | | 1145 | |
| | | | 1205 | |
| | 1200-1815 | 3 + 4 | 1215 | |
| | | | 1235 | |
| | | | 1245 | |
| | | | 1300 | |
| | | | 1310 | |
| | | | 1325 | |
| | | | 1340 | |
| | | | 1400 | |
| | | | 1415 | |
| | | | 1430 | |
| | | | 1445 | |
| | | | 1500 | |
| | | | 1515 | |
| | | | | |
| | | | 1530 | 1 |
| | | | | |
| | | | 1545 1600 | |

| | Generation | Generation | te and Generation Units Lift Time | _ |
|------------|--------------------|------------------|------------------------------------|---|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1615 | |
| | | | 1630 | |
| | | | 1700 | |
| | | | 1730 | |
| | | | 1815 | |
| 5/5/2001 | 800-1100 | 1+3 | 815 | |
| | | | 845 | |
| | | | 930 | |
| | | | 1000 | |
| | | | 1030 | |
| | | | 1100 | |
| | 1100-1800 | 3 + 3 | 1115 | |
| | 1100 1000 | <u> </u> | 1130 | |
| | | | 1145 | |
| | | | 1200 | |
| | | | 1215 | |
| | | | 1230 | |
| | | | 1245 | |
| | | | 1300 | |
| | | | 1315 | |
| | | | 1330 | |
| | | | | |
| | | | 1345 | |
| | | | 1400 | |
| | | | 1415 | |
| | | | 1445 | |
| | | | 1500 | |
| | | | 1515 | |
| | | | 1530 | |
| | | | 1545 | |
| | | | 1600 | |
| | | | 1615 | |
| | | | 1630 | |
| | | | 1645 | |
| | | | 1700 | |
| | | | 1715 | |
| | | | 1730 | |
| | | | 1745 | |
| | | | 1800 | |
| nits 8,9,1 | 0 were stuck on sl | ow spin. | | |
| 5/6/2001 | 730-1830 | 2 + 3 | 815 | |
| 5,0,2001 | 700 1000 | 2 F J | 845 | |
| | | | 915 | |
| | | | 930 | |
| | | | 945 | |
| | | | | |
| | | | 1000 | |
| | | | 1015 | |
| | | | 1030 | |

| | owingo East Lift Ti Generation | Generation | Lift Time | |
|-------------|-----------------------------------|---------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | · | 1115 | |
| | | | 1140 | |
| | | | 1200 | |
| | | | 1215 | |
| | | | 1230 | |
| | | | 1300 | |
| | | | 1330 | |
| | | | 1400 | |
| | | | 1430 | |
| | | | 1500 | |
| | | | 1530 | |
| | | | | |
| | | | 1600 | |
| | | | 1645 | |
| | | | 1715 | |
| | | | 1745 | |
| | | | 1830 | |
| Inits 8,9,1 | 0 were stuck on sl | ow spin. | | |
| 5/7/2001 | 830-1230 | 1 + 3 | 840 | |
| 0/1/2001 | 000 1200 | 110 | 910 | |
| | | | 940 | |
| | | | 1010 | |
| | | | 1030 | |
| | | | | |
| | | | 1050 | |
| | 4000 4400 | 4 . 0 | 1215 | |
| | 1230-1430 | 4 + 3 | 1245 | |
| | | | 1315 | |
| | | | 1345 | |
| | | | 1415 | |
| | 1430-1630 | 6 + 3 | 1445 | |
| | | | 1515 | |
| | | | 1545 | |
| | | | 1615 | |
| | 1630-1815 | 6 + 4 | 1645 | |
| | | | 1715 | |
| | | | 1815 | |
| laint. Can | ne out and fixed cr | owder, guide wheels | | |
| 5/8/2001 | 830-1400 | 2+3 | 900 | |
| | | | 930 | |
| | | | 1000 | |
| | | | 1030 | |
| | | | 1100 | |
| | | | 1120 | |
| | | | 1140 | |
| | | | | |
| | | | 1200 | |
| | | | 1220 | |
| | 1 | | 1240 | |

| | Generation | Generation | Lift Time | |
|-----------|-------------------|-----------------------|---------------|---------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1300 | |
| | | | 1320 | |
| | | | 1340 | |
| | | | 1400 | |
| | | | | |
| | | | | |
| 5/9/2001 | 800-1130 | 2+3 | 810 | |
| 0/9/2001 | 000-1130 | 2+3 | 915 | |
| | | | 945 | |
| | | | 1015 | |
| | | | | |
| | | | 1045 | |
| | | | 1115 | |
| | 1130-1530 | 0 . 0 | 1135 1155 | |
| | 1130-1530 | 3 + 3 | | |
| | | | 1215 | |
| | | | 1235 | |
| | | | 1300 | |
| | | | 1330 | |
| | | | 1350 | |
| | | | 1420 | |
| | | | 1445 | |
| | 4500 4000 | 4 0 | 1510 | |
| | 1530-1800 | 4 + 3 | 1540 | |
| | | | 1610 | |
| | | | 1640 | |
| | | | 1710 | |
| | | | 1735 | |
| | | | 1800 | |
| iring 915 | lift, both nopper | doors opened, lost fi | sn. Maint. Re | epaired |
| /10/2001 | 800-1420 | 2 + 3 | 815 | |
| | | | 845 | |
| | | | 915 | |
| | | | 945 | |
| | | | 1015 | |
| | | | 1045 | |
| | | | 1115 | |
| | | | 1145 | |
| | | | 1215 | |
| | | | 1245 | |
| | | | 1315 | |
| | | | 1350 | |
| | | | 1420 | |
| | 1515-1730 | 2 + 3 | 1540 | |
| | 10.0 1700 | | 1630 | |
| | | | | |
| | | | 1710 | |
| | 1730-1830 | 4 + 3 | 1710 1750 | |

| | Generation | me Compared to Da Generation | Lift Time | |
|----------------------|----------------------|---------------------------------|---------------|-------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | , , | · | 1830 | |
| /laint. cam | ne out to switch are | ound plates, fish dur | nped into sor | rting tank. |
| | | study. (1445). Back to | | |
| | | , , | | |
| 5/11/2001 | 830-1320 | 2 + 3 | 900 | |
| | | | 930 | |
| | | | 1000 | |
| | | | 1045 | |
| | | | 1115 | |
| | | | 1145 | |
| | | | 1215 | |
| | | | 1245 | |
| | | | 1315 | |
| rowder c | able broke limits f | ailed done for the da | | |
| J. O 11 doi 0 | | | ~ 5 * | |
| 5/12/2001 | 800-1400 | 1 + 4 | 8300 | |
| -, . <u>-, 2</u> 001 | 333 1 130 | | 900 | |
| | | | 930 | |
| | | | 1000 | |
| | | | 1030 | |
| | | | 1100 | |
| | | | 1130 | |
| | | | 1200 | |
| | | | 1230 | |
| | | | 1300 | |
| | | | 1330 | |
| | | | 1400 | |
| | 1400-1830 | 2 + 4 | 1430 | |
| | 1400-1030 | 2 + 4 | 1500 | |
| | | | 1530 | |
| | | | 1600 | |
| | | | 1630 | |
| | | | 1700 | |
| | | | 1700 | |
| | | | 1800 | |
| | | | 1830 | |
| All large :: | nits stuck on slow | enin | 1030 | |
| an iai ye u | IIII SIUCK UII SIUW | ομιι. | | |
| 5/13/2001 | 800-1630 | 2 + 4 | 830 | |
| J/ 1J/2001 | 000-1000 | 4 T T | 900 | |
| | | | 930 | |
| | | | 1000 | |
| | | | 1000 | |
| | | | 1100 | |
| | | | 1130 | |
| | | | 1200 | |
| | | | 1200 | |
| | | | | |
| | | | 1300 | |

| | Generation | Generation | Lift Time |
|-------------|---------------------|------------------------|-----------------------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| | | | 1330 |
| | | | 1415 |
| | | | 1500 |
| | | | 1545 |
| | | | 1630 |
| 5/14/2001 | 800-1750 | 2 + 4 | 815 |
| | | | 900 |
| | | | 930 |
| | | | 1015 |
| | | | 1045 |
| | | | 1130 |
| | | | 1210 |
| | | | 1245 |
| | | | 1325 |
| | | | 1405 |
| | | | 1445 |
| | | | 1530 |
| | | | 1615 |
| | | | 1700 |
| | | | 1750 |
| 5/15/2001 | 800-1400 | 2 + 4 | 830 |
| 0/10/2001 | 333 1 103 | | 915 |
| | | | 1000 |
| | | | 1035 |
| | | | 1110 |
| | | | 1145 |
| | | | 1220 |
| | | | 1300 |
| | | | 1350 |
| | 1500-1750 | 2 + 4 | 1525 |
| | 1000 1700 | 4 17 | 1630 |
| | | | 1715 |
| | | | 1750 |
| laint cam | e out to switch are | ound plates fish dur | nped into sorting tank. |
| nd tagged | for telemetry stu | dy. (1430). Back to tr | ough and continued fishing. |
| 5/16/2001 | 800-1530 | 2 + 3 | 830 |
| U, 1U/2UU I | 000-1000 | 2 T J | 915 |
| | | | 1000 |
| | | | |
| | | | 1040 |
| | | | 1120 |
| | | | 1155 |
| | | | 1230 |
| | | | 1310 |
| | | | 1350 |
| | | | 1430 |
| | | | 1515 1600 |
| | 1530-1800 | 4 + 4 | |

| | Generation | Generation | Lift Time | |
|-----------|--------------------|-----------------------|-----------|-----------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | · | 1640 | |
| | | | 1720 | |
| | | | 1800 | |
| 5/17/2001 | 830-1400 | 2 + 3 | 915 | |
| | | - | 1000 | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1215 | |
| | | | 1300 | |
| | | | 1345 | |
| | 1515-1800 | 2 + 3 | 1530 | |
| | 10101000 | 210 | 1630 | |
| | | | 1715 | |
| | | | 1800 | |
| laint cam | e out to switch ar | ound plates, fish dur | | na tank |
| | | study. (1400). Back t | | |
| .a oo tag | | Juay: (1700). Dack t | | onaniaca noming |
| 5/18/2001 | 800-1715 | 2 + 2 | 845 | |
| 3/10/2001 | 000 17 10 | 212 | 930 | |
| | | | 1030 | |
| | | | 1130 | |
| | | | 1230 | |
| | | | 1330 | |
| | | | 1430 | |
| | | | 1530 | |
| | | | 1630 | |
| | | | 1715 | |
| 5/19/2001 | 800-1715 | 2 + 2 | 845 | |
| 3/19/2001 | 800-1713 | 2 + 2 | 1000 | |
| | | | 1100 | |
| | | | | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1545 | |
| | | | 1600 | |
| | 4-4 | | 1700 | |
| | 1715-1745 | 4 + 2 | 1745 | |
| 5/20/2001 | 800-1730 | 2 + 3 | 845 | |
| | | | 935 | |
| | | | 1030 | |
| | | | 1115 | |
| | | | 1200 | |
| | | | 1245 | |
| | | | 1330 | |
| | | | 1415 | |
| | | | 1500 | |
| | | | 1600 | |
| | | | 1700 | |

| | Generation | Generation | Lift Time | |
|-------------|---------------------|------------------------|--|-----|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1730 | |
| 5/21/2001 | 830-1720 | 2 + 3 | 900 | |
| | | | 1000 | |
| | | | 1100 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| | | | 1645 | |
| | | | 1720 | |
| 5/22/2001 | 800-1050 | 2 + 3 | 845 | |
| | | | 945 | |
| | | | 1040 | |
| | | | 1120 | |
| | | | 1205 | |
| | | | 1250 | |
| | | | 1335 | |
| | | | 1425 | |
| | | | 1450 | |
| | | | 1520 | |
| | 1530-1750 | 4 + 3 | 1605 | |
| | 1330-1730 | 4+3 | 1650 | |
| | | | 1750 | |
| 5/23/2001 | 800-1300 | 2 + 3 | 845 | |
| 3/23/2001 | 000-1300 | 2+3 | 945 | |
| | | | 1030 | |
| | | | 1115 | |
| | | | 1200 | |
| | | | 1245 | |
| | | | 1420 | |
| | 1/15 17/5 | 2 . 2 | | |
| | 1415-1745 | 2 + 3 | 1515 | |
| | | | 1600 | |
| | | | 1700 | |
| laint com | 0 0114 40 011/140 | ound plotos fich der | 1745 | |
| naiiit. cam | e out to switch are | ound plates, fish dur | nped into sorting tank. o trough and continued fish | ne |
| inu ou tag | ged for telemetry : | study. (1330). Back to | u ough and continued fish | ng. |
| 5/24/2001 | 800-1730 | 2 + 3 | 845 | |
| J124/2001 | 000-1730 | Z + 3 | 945 | |
| | | | | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1230 | |
| | | | 1330 | - |
| | | | 1430 | |
| | | | 1515 | |
| | | | 1600 | |
| | 1 | | 1645 | |

| | Generation | Generation | Lift Time | |
|------------|---------------------|----------------------|------------------|------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1730 | |
| 5/25/2001 | 800-1400 | 2 + 3 | 900 | |
| | | | 1000 | |
| | 1000-1400 | | 1100 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | 1400-1700 | 2 + 2 | 1500 | |
| | 1400 1700 | 212 | 1600 | |
| | | | 1700 | |
| E/26/2001 | 1000-1700 | 1 . 2 | | |
| 5/26/2001 | 1000-1700 | 1 + 3 | 1100 | |
| | | | 1200 | |
| | | | 1330 | |
| | | | 1500 | |
| | | | 1600 | |
| | | | 1700 | |
| 5/27/2001 | 1500-1640 | 2 + 3 | 1600 | |
| | | | 1640 | |
| ate start | due to bent cycline | der and door not clo | sing. Maint. Fix | red (1500) |
| 5/28/2001 | 1045-1240 | 3 + 3 | 1130 | |
| 3/20/2001 | 1043-1240 | 3+3 | 1230 | |
| | 4040 4700 | 4 . 0 | | |
| | 1240-1730 | 4 + 3 | 1330 | |
| | | | 1430 | |
| | | | 1530 | |
| | | | 1630 | |
| | | | 1730 | |
| 5/29/2001 | 1000-1730 | 4 + 1 | 1045 | |
| | | | 1145 | |
| | | | 1245 | |
| | | | 1330 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| | | | 1640 | |
| | | | 1730 | |
| 5/30/2001 | 1030-1240 | 2 + 3 | 1115 | |
| 3/30/200 I | 1030-1240 | ۷ + ۵ | | |
| | | | 1200 | |
| | 4040 4700 | 4 2 | 1245 | |
| | 1240-1700 | 4 + 3 | 1345 | |
| | | | 1445 | |
| | | | 1545 | |
| | | | 1630 | |
| | | | 1700 | |
| 5/31/2001 | 1000-1220 | 0 + 3 | 1100 | |
| | | | 1200 | |
| | 1220-1615 | 4 + 3 | 1300 | |
| | 0 .0.0 | | 1400 | |

| | Generation | Generation | Lift Time | |
|----------|----------------|------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1500 | |
| | | | 1615 | |
| 6/1/2001 | 1000-1300 | 1 + 3 | 1115 | |
| | | | 1215 | |
| | 1300-1700 | 4 + 3 | 1315 | |
| | | | 1415 | |
| | | | 1515 | |
| | | | 1600 | |
| | | | 1700 | |
| 6/2/2001 | 1000-1500 | 1 + 3 | 1100 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | 1500-1700 | 3 + 3 | 1600 | |
| | | | 1700 | |
| 6/3/2001 | 1000-1700 | 1 + 3 | 1130 | |
| | | | 1230 | |
| | | | 1330 | |
| | | | 1430 | |
| | | | 1530 | |
| | | | 1630 | |
| | | | 1700 | |
| 6/4/2001 | 1030-1125 | 1 + 3 | 1115 | |
| | 1125-1500 | 4 + 3 | 1215 | |
| | | | 1315 | |
| | | | 1415 | |
| | | | 1500 | |
| 6/6/2001 | 1030-1345 | 4 + 3 | 1115 | |
| | | | 1200 | |
| | | | 1245 | |
| | | | 1345 | |

| | Generation | Generation | Lift Time | |
|--|----------------|------------------|-----------|---|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | 2000 | 1 | |
| | | 2006 | | |
| | Generation | Generation | Lift Time | |
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| 4/3/2006 | 1130-1600 | 5,6 | 1230 | |
| | | | 1315 | |
| | | | 1400 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1600 | |
| 4/5/2006 | 1115-1145 | ? | | |
| | 1145-1600 | ? | 1200 | - |
| | | | 1245 | |
| | | | 1330 | |
| | | | 1415 | |
| | | | 1500 | |
| | | | 1600 | |
| 4/7/2006 | 1030-1210 | ? | 1115 | |
| | | | 1215 | |
| | 1210-1700 | 4,5 | 1315 | |
| | | | 1400 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1700 | |
| 4/8/2006 | 940-1205 | 4,5,6,7,8 | 1030 | |
| | | | 1115 | |
| | | | 1200 | |
| | 1205-1610 | 5,6 | 1300 | |
| | | | 1345 | |
| | | | 1430 | |
| | | | 1530 | |
| | | | 1610 | |
| 4/9/2006 | 1030-1300 | 4,5,6,7,9 | 1100 | |
| | | | 1200 | |
| <u>- </u> | | | 1300 | |
| | 1300-1710 | 5,6 | 1400 | |
| - | | | 1445 | - |
| | | | 1530 | |
| | | | 1630 | |
| | | | 1710 | |
| 1/10/2006 | 1100-1110 | ? | | |
| | 1110-1530 | 5,6 | 1145 | |
| | | | 1245 | |
| | | | 1345 | |
| | | | 1445 | |
| | | | 1530 | |

| | Owingo East Lift T Generation | Generation | Lift Time | |
|-------------|----------------------------------|--------------------------|---------------|------------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| _imit switc | h failed during la | st lift. Hopper a had to | o be manually | y stop at trough |
| | | | | |
| 4/11/2006 | 1030-1210 | ? | 1130 | |
| | 1210-1630 | ? | 1230 | |
| | | | 1330 | |
| | | | 1430 | |
| | | | 1530 | |
| | | | 1630 | |
| 4/13/2006 | 1000-1110 | ? | 1045 | |
| 4/13/2000 | 1110-1210 | ? | 1130 | |
| | 1210-1700 | ? | 1230 | |
| | 1210-1700 | | | |
| | | | 1315 | |
| | | | 1400 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1700 | |
| | 1700-1745 | ? | 1745 | |
| 4/14/2006 | 1030-1415 | ? | 1115 | |
| | | | 1230 | |
| | | | 1315 | |
| | | | 1400 | |
| | 1415-1745 | ? | 1445 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1700 | |
| | | | 1745 | |
| imit switc | h failed | | | |
| | ii idiiodi | | | |
| 4/15/2006 | 1000-1200 | ? | 1030 | |
| 17 13/2000 | 1000 1200 | : | 1115 | |
| | | | 1200 | |
| | 1200-1700 | ? | | |
| | 1200-1700 | | 1245 | |
| | | | 1330 | |
| | | | 1415 | |
| | | | 1500 | |
| | | | 1545 | |
| | | | 1625 | |
| | | | 1700 | |
| 4/16/2006 | 1000-1700 | ? | 1100 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1700 | |
| 4/17/2006 | 1100-1735 | ? | 1130 | |

| | Generation | ime Compared to Da Generation | Lift Time | |
|-------------|---------------------|----------------------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | Ì | | 1215 | |
| | | | 1315 | |
| | | | 1415 | |
| | | | 1500 | |
| | | | 1545 | |
| | | | 1630 | |
| | | | 1710 | |
| | | | 1735 | |
| Limit switc | h at trough failed. | | 1733 | |
| 4/40/2006 | 1000 1325 | 4567 | 1100 | |
| 4/18/2006 | 1000-1335 | 4,5,6,7 | 1100 | |
| | | | 1145 | |
| | | | 1230 | |
| | | | 1315 | |
| | 1335-1605 | 5,6 | 1400 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1610 | |
| | 1605-1720 | 4,5,6,7,8 | 1645 | |
| | | | 1720 | |
| Repairing I | imit switch delaye | ed start fishing time. | | |
| 4/19/2006 | 950-1210 | 3,4,6,7,10,11 | 1015 | |
| 4/19/2006 | 950-1210 | 3,4,0,7,10,11 | 1100 | |
| | | | 1145 | |
| | 4040 4700 | 0.4.0.7 | | |
| | 1210-1720 | 3,4,6,7 | 1230 | |
| | | | 1330 | |
| | | | 1430 | |
| | | | 1530 | |
| | | | 1630 | |
| | | | 1720 | |
| Delayed st | art due to repairin | g viewing room gate | - | |
| 4/20/2006 | 930-1230 | 3,4,6,7 | 1015 | |
| | | , , -, | 1100 | |
| | | | 1140 | |
| | | | 1220 | |
| | 1230-1815 | 3,4,6,7,8,9,10,11 | 1300 | |
| | 1200 1010 | U,T,U,1,U,U,11 | 1345 | |
| | | | 1430 | |
| | | | | |
| | | | 1515 | |
| | | | 1600 | |
| | | | 1645 | |
| | | | 1730 | |
| | | | 1815 | |
| 4/21/2006 | 900-1400 | ? | 950 | |
| | | | 1030 | |
| | | | 1115 | |

| | Generation | Generation | e and Generation Units Lift Time | |
|-------------|-----------------------|-------------------------|----------------------------------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1200 | |
| | | | 1245 | |
| | | | 1330 | |
| | 1400-1800 | ? | 1415 | |
| | | | 1500 | |
| | | | 1545 | |
| | | | 1630 | |
| | | | 1715 | |
| | | | 1800 | |
| | 1800-1845 | ?,8 | 1845 | |
| 4/22/2006 | 800-1100 | 3,4,6,7 | 845 | |
| ,,, | | -, -,-,- | 930 | |
| | | | 1015 | |
| | | | 1100 | |
| | 1100-1730 | 6,7 | 1130 | |
| | | <u> </u> | 1200 | |
| | | | 1230 | |
| | | | 1300 | |
| | | | 1330 | |
| | | | 1400 | |
| | | | 1430 | |
| | | | 1515 | |
| | | | 1600 | |
| | | | 1645 | |
| | | | 1730 | |
| 4/23/2006 | 750-1655 | 3,4,6,7 | 830 | |
| +/23/2000 | 730-1033 | 3,4,0,7 | 915 | |
| | | | 1000 | |
| | | | 1100 | |
| | | | 1145 | |
| | | | 1230 | |
| | | | 1315 | |
| | | | | |
| | | | 1400 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1600 | |
| | | | 1630 | |
| | 4055 4000 | 0.4.0.7.0.0.40 | 1700 | |
| | 1655-1800 | 3,4,6,7,8,9,10 | 1730 | |
| A/' 4 . | Para and the state of | | 1800 | |
| vire to air | iine schieve, bro | ken and removed | | |
| 4/04/0000 | 000 4405 | 4004507004044 | 0.45 | |
| 4/24/2006 | 800-1135 | 1,2,3,4,5,6,7,8,9,10,11 | 845 | |
| | | | 915 | |
| | | | 1000 | |
| | | | 1045 | |
| | 440- 4 | | 1130 | |
| | 1135-1500 | 3,4,6,7,10,11 | 1210 | |

| | Generation | Time Compared to Date Generation | Lift Time |
|-------------|-------------------|---|-----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| | , , | | 1250 |
| | | | 1330 |
| | | | 1410 |
| | | | 1450 |
| | 1500-1745 | 1,2,3,4,5,6,7,8,9,10,11 | 1530 |
| | 1000 1740 | 1,2,0,4,0,0,7,0,0,10,11 | 1615 |
| | | | 1700 |
| | | | 1745 |
| Wire to air | line schieve, rep | placed by maint | 1745 |
| Tino to an | | naooa by mama | |
| 4/25/2006 | 800-1445 | 1,2,3,4,5,6,7,8,9,10,11 | 845 |
| | | .,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 945 |
| | | | 1045 |
| | | | 1145 |
| | | | 1245 |
| | | | 1345 |
| | | | 1445 |
| 4/26/2006 | 800-1600 | 1,2,3,4,5,6,7,8,9,10,11 | 845 |
| 4/20/2000 | 000-1000 | 1,2,3,4,3,0,7,0,3,10,11 | 930 |
| | | | 1020 |
| | | | 1115 |
| | | | |
| | | | 1215 |
| | | | 1315 |
| | | | 1415 |
| | | | 1510 |
| | | | 1600 |
| 4/27/2006 | 800-1600 | 1,2,3,4,5,6,7,8,9,10,11 | 845 |
| | | | 945 |
| | | | 1045 |
| | | | 1135 |
| | | | 1230 |
| | | | 1325 |
| | | | 1420 |
| | | | 1515 |
| | | | 1600 |
| 4/28/2006 | 800-1655 | 1,2,3,4,5,6,7,8,9,10,11 | 830 |
| | | | 915 |
| | | | 1000 |
| | | | 1045 |
| | | | 1130 |
| | | | 1215 |
| | | | 1300 |
| | | | 1345 |
| | | | 1430 |
| | | | 1515 |
| | | | 1600 |
| | | | 1655 |
| 4/20/2022 | 000 4700 | 1001507004044 | |
| 4/29/2006 | 800-1730 | 1,2,3,4,5,6,7,8,9,10,11 | 900 |

| | Generation | Time Compared to Date Generation | Lift Time | |
|-----------|------------------------|-------------------------------------|-----------|-------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | ` , | , , | 945 | |
| | | | 1030 | |
| | | | 1115 | |
| | | | 1200 | |
| | | | 1245 | |
| | | | 1330 | |
| | | | 1415 | |
| | | | 1500 | |
| | | | 1545 | |
| | | | 1640 | |
| | | | 1730 | |
| 4/30/2006 | 700-1120 | 5,6 | 845 | |
| 7/30/2000 | 100-1120 | ٥,٥ | 1000 | |
| | | | 1100 | |
| | 1120 1150 | 1567 | 1155 | |
| | 1120-1150 | 4,5,6,7 | 1100 | |
| | 1150-1215 1215-1815 | 4,5,6,7,10,11 4,5,6,7,8,10,11 | 4045 | |
| | 1215-1815 | 4,5,6,7,8,10,11 | 1245 | |
| | | | 1330 | |
| | | | 1415 | |
| | | | 1500 | |
| | | | 1545 | |
| | | | 1615 | |
| | | | 1645 | |
| | | | 1715 | |
| | | | 1745 | |
| | | | 1815 | |
| 5/1/2006 | 800-1215 | 1,2,3,4,5,6,7,8,9,10,11 | 900 | |
| | | | 1000 | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1215 | |
| | 1215-1700 | 4,5,6,7 | 1330 | |
| | | | 1410 | |
| | | | 1450 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1700 | |
| 5/2/2006 | 800-1055 | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| <u> </u> | | | 915 | |
| | | | 955 | |
| | | | 1025 | Tour group |
| | 1055-1700 | 4,5,6,7 | 1110 | 2. 3 2P |
| | | 1,0,0,1 | 1145 | Tour group |
| | | | 1245 | . car group |
| | | | 1330 | |
| | | | 1410 | |
| | | | 1410 | |
| | | | 1530 | |

| | Generation | Generation | Lift Time | |
|------------|--------------------|----------------------|--|--------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1610 | |
| | | | 1700 | |
| 5/3/2006 | 800-1210 | 3,4,6,7,8,9,11 | 845 | |
| | | | 930 | |
| | | | 1015 | |
| | | | 1100 | |
| | | | 1140 | |
| | 1210-1650 | 3,4,6,7 | 1220 | |
| | | | 1300 | |
| | | | 1335 | |
| | | | 1410 | |
| | | | 1445 | |
| | | | 1520 | |
| | | | 1555 | |
| | | | 1630 | |
| | 1650-1730 | 3,4,6,7,8,9,11 | 1700 | |
| | | | 1730 | |
| | 1730-1800 | 3,4,6,7,8,9,10,11 | 1800 | |
| opper an | | Lift opertions down. | | |
| | | | | |
| 5/4/2006 | | | | |
| oid not op | erate due to cable | wrapped around hop | per. Tested a | t 1945 |
| | | | | |
| 5/5/2006 | 900-1700 | 4,5,6,7,9,10 | 940 | |
| | | | 1045 | |
| | | | 1115 | |
| | | | 1145 | |
| | | | 1215 | |
| | | | 1245 | |
| | | | 4045 | |
| | | | 1315 | |
| | | | 1345 | |
| | | | | |
| | | | 1345 | |
| | | | 1345 1415 | |
| | | | 1345 1415 1445 | |
| | | | 1345 1415 1445 1515 | |
| | 1700-1845 | 4,5,6,7,9,10,11 | 1345 1415 1445 1515 1545 | |
| | 1700-1845 | 4,5,6,7,9,10,11 | 1345 1415 1445 1515 1545 1630 | |
| | 1700-1845 | 4,5,6,7,9,10,11 | 1345 1415 1445 1515 1545 1630 1715 | |
| 5/6/2006 | | | 1345 1415 1445 1515 1545 1630 1715 1800 1845 | |
| 5/6/2006 | 1700-1845 | 4,5,6,7,9,10,11 | 1345 1415 1445 1515 1545 1630 1715 1800 1845 840 | |
| 5/6/2006 | | | 1345 1415 1445 1515 1545 1630 1715 1800 1845 840 920 | |
| 5/6/2006 | | | 1345 1415 1445 1515 1545 1630 1715 1800 1845 840 920 1000 | |
| 5/6/2006 | | | 1345 1415 1445 1515 1545 1630 1715 1800 1845 840 920 1000 1040 | |
| 5/6/2006 | | | 1345 1415 1445 1515 1545 1630 1715 1800 1845 840 920 1000 1040 1120 | |
| 5/6/2006 | | | 1345 1415 1445 1515 1545 1630 1715 1800 1845 840 920 1000 1040 1120 | |
| 5/6/2006 | 800-1300 | 4,5,6,7 | 1345 1415 1445 1515 1545 1630 1715 1800 1845 840 920 1000 1040 1120 1200 1240 | |
| 5/6/2006 | | | 1345 1415 1445 1515 1545 1630 1715 1800 1845 840 920 1000 1040 1120 | |

| | Generation | Generation | te and Generation Units rul | |
|-----------|-----------------|------------------------|-----------------------------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | 1400-1800 | 4,5,6,7,8 | 1440 | |
| | | | 1520 | |
| | | | 1600 | |
| | | | 1640 | |
| | | | 1720 | |
| | | | 1800 | |
| 5/7/2006 | 830-1800 | 5,7 | 915 | |
| | | -, | 945 | |
| | | | 1015 | |
| | | | 1045 | |
| | | | 1115 | |
| | | | 1145 | |
| | | | 1215 | |
| | | | 1245 | |
| | | | 1320 | |
| | | | 1355 | |
| | | | 1430 | |
| | | | 1510 | |
| | | | 1555 | |
| | | | 1655 | |
| | | | 1800 | |
| 5/8/2006 | 800-1200 | ody debris in channo | 900 | |
| 0,0,200 | 000 1200 | <u> </u> | 940 | |
| | | | 1020 | |
| | | | 1100 | |
| | | | 1140 | |
| | 1200-1700 | ? | 1400 | |
| | 0000 | • | 1440 | |
| | | | 1520 | |
| | | | 1600 | |
| | | | 1630 | |
| | | | 1700 | |
| | 1700-1800 | | 1800 | |
|)ownstres | | d while raising at 120 | | |
| | | s on crowder screen | | |
| 5/9/2006 | 830-1200 | ? | 920 | |
| | | • | 1000 | |
| | | | 1040 | |
| | | | 1120 | |
| | | | 1200 | |
| | 1200-1730 | | 1240 | |
| | 1200-1730 | | 1320 | |
| | | | 1400 | |
| | | | 1440 | |
| | ļ , | | 1 1 1 1 1 1 1 | |

| | Generation | ime Compared to Da Generation | Lift Time | |
|-------------|--------------------|----------------------------------|-------------|----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | , / | <u> </u> | 1650 | |
| | | | 1730 | |
| laint. repl | aced missing slats | s on crowder screen | hoist (830) | |
| | | not fully lower, mair | | (1550) |
| | | | | |
| 5/10/2006 | 845-1030 | 4,5,6,7,9 | 930 | |
| | | | 1010 | |
| | 1030-1700 | 5,6,7 | 1050 | |
| | | | 1130 | |
| | | | 1210 | |
| | | | 1250 | |
| | | | 1330 | |
| | | | 1410 | |
| | | | 1450 | |
| | | | 1530 | |
| | | | 1610 | |
| | | | 1650 | |
| -1.15 | 1700-1730 | 4,5,6,7,11 | 1730 | |
| 5/11/2006 | 745-1000 | 4,5,6,7,9,11 | 815 | |
| | | | 855 | 1 |
| | 1000 10== | | 935 | |
| | 1000-1655 | 4,5,6 | 1015 | |
| | | | 1055 | |
| | | | 1135 | <u> </u> |
| | | | 1215 | <u> </u> |
| | | | 1255 | <u> </u> |
| | | | 1340 | |
| | | | 1425 | |
| | | | 1510 | |
| | | | 1555 | |
| E/40/0000 | 900 1100 | 2 | 1655 | |
| 5/12/2006 | 800-1100 | ? | 840 | |
| | | | 920 | |
| | | | 1000 | |
| | 1100 1000 | 2.40 | 1040 | |
| | 1100-1600 | ?,10 | 1120 | |
| | | | 1200 | |
| | | | 1240 | |
| | | | 1320 | |
| | | | 1400 | |
| | | | 1440 | |
| | | | 1520 | |
| | 1600 1700 | 204044 | 1600 | |
| | 1600-1720 | ?,9,10,11 | 1640 | |
| E/40/0000 | 000 4700 | 4507 | 1720 | |
| 5/13/2006 | 800-1730 | 4,5,6,7 | 845 | |
| | | | 930 | |
| | | | 1015 | |

| | Generation | ime Compared to Da Generation | Lift Time |
|-----------|-----------------|----------------------------------|-----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| | Ì | · | 1100 |
| | | | 1145 |
| | | | 1230 |
| | | | 1315 |
| | | | 1400 |
| | | | 1445 |
| | | | 1530 |
| | | | 1630 |
| | | | 1730 |
| 5/14/2006 | 745-1600 | 6,7 | 900 |
| | | - , | 945 |
| | | | 1030 |
| | | | 1115 |
| | | | 1200 |
| | | | 1245 |
| | | | 1330 |
| | | | 1415 |
| | | | 1500 |
| | | | 1545 |
| | 1600-1730 | 2,5,6,7,9,11 | 1645 |
| | 1000 1700 | 2,0,0,7,0,11 | 1730 |
| 5/15/2006 | 830-1305 | 2,5,6,7,9,11 | 915 |
| 0/10/2000 | 000 1000 | 2,0,0,7,0,11 | 1000 |
| | | | 1045 |
| | | | 1130 |
| | | | 1215 |
| | | | 1300 |
| | 1305-1700 | 2,5,6,7,11 | 1345 |
| | 1303 1700 | 2,0,0,7,11 | 1430 |
| | | | 1515 |
| | | | 1600 |
| | | | 1700 |
| 5/16/2006 | 800-1105 | | 830 |
| 3/10/2000 | 800-1103 | | 915 |
| | | | 1000 |
| | | | 1045 |
| | 1105-1700 | | 1145 |
| | 1103-1700 | | 1230 |
| | | | 1315 |
| | | | |
| | | | 1400 |
| | | | 1445 |
| | | | 1530 |
| | | | 1615 |
| 5/47/0000 | 745 4400 | 0.45004044 | 1700 |
| 5/17/2006 | 745-1100 | 3,4,5,6,8,10,11 | 830 |
| | | | 915 |
| | | | 1000 |
| | | | 1045 |

| | Generation | Generation | Lift Time | |
|---------------|-----------------|------------------|-----------|---|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | 1100-1700 | 3,4,5,6,8 | 1110 | , |
| | | | 1145 | I |
| | | | 1230 | |
| | | | 1315 | |
| | | | 1400 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1700 | |
| 5/18/2006 | 800-1245 | 4,5,6,7,8,10,11 | 830 | l |
| | | , , , , | 915 | l |
| | | | 1010 | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1215 | |
| | 1245-1710 | 4,5,6,7,10 | 1300 | |
| | | .,0,0,1,10 | 1345 | |
| | | | 1430 | |
| | | | 1515 | |
| | | | 1615 | |
| | | | 1700 | |
| | 1710-1745 | 4,5,6,7,8,10,11 | 1745 | |
| 5/19/2006 | 800-1300 | 4,5,6,7,8,? | 830 | |
| 0/10/2000 | 000 1000 | 7,0,0,7,0,1 | 915 | |
| | | | 1000 | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1215 | I |
| | | | 1300 | |
| | 1300-1700 | 4,5,6,7,8 | 1400 | |
| | 1300-1700 | 4,0,0,7,0 | 1445 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1700 | |
| 5/20/2006 | 800-1130 | 1256 | | |
| 5/20/2006 | 600-1130 | 1,3,5,6 | 900 | |
| | 1100 1010 | 4507 | 1030 | |
| | 1130-1210 | 1,5,6,7 | 1200 | |
| | 1210-1710 | 4,5,6,7 | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| = /0.4 /0.000 | | | 1710 | |
| 5/21/2006 | 745-810 | 5,6 | | |
| | 810-1650 | 4,5,6,7 | 900 | |
| | | | 1000 | |
| | | | 1100 | |
| | | | 1200 | |
| | | | 1300 | |

| | Generation | Generation | Lift Time | |
|-------------|----------------|-------------------|-----------|-------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | · · · | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| | | | 1650 | |
| 5/22/2006 | 800-1145 | 4,5,6,7,9,11 | 900 | |
| | | , , , , , | 1000 | |
| | | | 1100 | |
| | 1145-1700 | 4,5,6,7,9 | 1200 | |
| | | ,-,-, | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| | | | 1700 | |
| 5/23/2006 | 800-1225 | 4,5,6,7,9,11 | 900 | |
| | | .,0,0,1,0,1.1 | 1000 | |
| | | | 1040 | Tour group |
| | | | 1130 | . Jan group |
| | | | 1230 | |
| | 1225-1655 | 4,5,6,7 | 1330 | |
| | 1220 1000 | 7,0,0,1 | 1445 | |
| | | | 1550 | |
| | | | 1655 | |
| 5/24/2006 | 800-1225 | 4,5,6,7,8,9 | 900 | |
| JI Z71 Z000 | 000-1223 | 5,0,1,0,5 | 1010 | Tour group |
| | | | 1100 | Tour group |
| | | | 1200 | Tour group |
| | 1225-1715 | 4,5,6,7 | 1330 | |
| | 1225-1715 | 4,5,0,7 | 1430 | |
| | | | 1530 | |
| | | | 1630 | |
| | 1715-1800 | 15670 | 1730 | |
| | 1710-1000 | 4,5,6,7,8 | 1800 | |
| = /2E/2000 | 900 920 | E G | 1600 | |
| 5/25/2006 | 800-820 | 5,6 | 000 | |
| | 820-1220 | 3,4,5,6 | 900 | |
| | | | 1000 | |
| | | | 1100 | |
| | 4000 4700 | 0.450004044 | 1200 | |
| | 1220-1700 | 3,4,5,6,8,9,10,11 | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| -11 | | | 1700 | |
| 5/26/2006 | 730-800 | ? | _ | |
| | 800-1200 | ? | 830 | |
| | | | 930 | |
| | | | 1030 | |
| | | | 1130 | |
| | 1200-1730 | ? | 1230 | |

| | Generation | Generation | e and Generation Units I | |
|-----------|----------------|-------------------------|--------------------------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1330 | |
| | | | 1430 | |
| | | | 1530 | |
| 5/27/2006 | 700-1200 | 5,7 | 800 | |
| | | | 900 | |
| | | | 1000 | |
| | | | 1100 | |
| | | | 1200 | |
| | 1200-1700 | 4,5,6,7,8 | 1300 | |
| | | , , , , | 1400 | |
| | | | 1530 | |
| | | | 1700 | |
| 5/28/2006 | 745-1410 | 5,7 | 900 | |
| | | -1- | 1000 | |
| | | | 1100 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | 1410-1700 | 3,5,6,7,10 | 1500 | |
| | 1110 1700 | 0,0,0,1,10 | 1600 | |
| | | | 1700 | |
| | | wder doors. Slow to cl | | |
| 5/29/2006 | 700-1425 | 5,7 | 800 | |
| | | | 900 | |
| | | | 1000 | |
| | | | 1100 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | 1425-1500 | 3,5,6,7,9 | 1500 | |
| 5/30/2006 | 645-1005 | 5,7 | 745 | |
| | | | 845 | |
| | | | 935 | |
| | 1005-1115 | 4,5,6,7,10 | 1100 | |
| | 1115-1500 | 1,2,3,4,5,6,7,8,9,10,11 | 1200 | |
| | | | 1315 | |
| | | | 1415 | |
| | | | 1500 | |
| 5/31/2006 | 730-1225 | 5,7 | 830 | |
| | | | 915 | |
| | | | 1015 | |
| | | | 1115 | |
| | | | 1210 | |
| | 1225-1500 | 4,5,6,7,8,9,10 | 1315 | |
| | | | 1415 | |
| | | | 1500 | |
| 6/1/2006 | 700-1200 | 5 | 815 | |

| | Generation | Generation | Lift Time | |
|----------|----------------|-------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 915 | |
| | | | 1015 | |
| | | | 1115 | |
| | 1200-1500 | 3,4,5,7,9,10 | 1215 | |
| | | | 1315 | |
| | | | 1415 | |
| | | | 1500 | |
| 6/2/2006 | 700-1300 | 5 | 800 | |
| | | | 900 | |
| | | | 1000 | |
| | | | 1130 | |
| | | | 1300 | |
| | 1300-1500 | 4,5,6,7,8,9,10,11 | 1400 | |
| | | | 1500 | |
| 6/3/2006 | 700-1210 | 5 | 800 | |
| | | | 900 | |
| | | | 1000 | |
| | | | 1100 | |
| | | | 1200 | |
| | 1210-1400 | 1,3,5,6,9,10,11 | 1300 | |
| | | | 1400 | |
| 6/4/2006 | 730-830 | 5 | 815 | |
| | 830-1030 | 4,5,6,7 | 915 | |
| | | | 1015 | |
| | 1030-1115 | 5 | 1115 | |
| | 1115-1400 | ? | 1215 | |
| | | | 1315 | |
| | | | 1400 | |
| 6/5/2006 | 730-1115 | 3,4,5,6,11 | 815 | |
| | | | 915 | |
| | | | 1015 | |
| | | | 1115 | |

| | Generation | Time Compared to Date Generation | Lift Time | <u> </u> |
|-------------|-------------------|----------------------------------|-----------|----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| Date | Time (24 Hour) | · | (2411001) | |
| | | 2007 | | |
| | Generation | Generation | Lift Time | |
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| 4/23/2007 | 1100-1500 | 1,2,3,4,5,6,7,8,9,10,11 | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| 2 Spillgate | s open entire tim | 16 | | |
| 4/24/2007 | 1000-1530 | 1,2,3,4,5,6,7,8,9,10,11 | 1030 | |
| | | | 1115 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1530 | |
| 1 Spillgate | open from 1215 | | | |
| 4/25/2007 | 1000-1530 | 2,3,4,5,6,7,8,9,10,11 | 1030 | |
| | | | 1115 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1530 | |
| Air lines o | n crowder switch | ned over to close faster. | | |
| 4/26/2007 | 1000-1515 | 1,2,3,4,5,6,7,8,9,10,11 | 1030 | |
| | | , ,-, ,-,-,-,-,-,-,-, | 1100 | |
| | | | 1140 | |
| | | | 1215 | |
| | | | 1300 | |
| | | | 1345 | |
| | | | 1425 | |
| | | | 1515 | |
| Oil leaking | out of crowder | screen hoist motor, Mai | | problem. |
| 4/27/2007 | 1100-1800 | 1,2,3,4,5,6,7,8,9,10,11 | 1110 | |
| | | | 1130 | |
| | | | 1200 | |
| | | | 1230 | |
| | | | 1310 | |
| | | | 1350 | |
| | | | 1430 | |
| | | | 1505 | |
| | | | 1535 | |

| | Generation | Time Compared to Date Generation | Lift Time | - |
|-----------------|-------------------|-------------------------------------|-----------|--------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | , , , | | 1610 | |
| | | | 1645 | |
| | | | 1720 | |
| | | | 1800 | |
| 4/28/2007 | 945-1140 | 1,3,4,5,6,7,8,9,10 | 1015 | |
| | | -,-,-,-,-,-,-,- | 1045 | |
| | | | 1115 | |
| | | | 1145 | |
| | 1140-1530 | 1,2,3,4,5,6,7,8,9,10 | 1215 | |
| | 1110 1000 | 1,2,0,1,0,0,1,0,0,10 | 1245 | |
| | | | 1305 | |
| | | | 1335 | |
| | | | 1405 | |
| | | | 1435 | |
| | | | 1505 | |
| | | | 1530 | |
| 4/29/2007 | 930-1200 | 12156790 | 1005 | |
| 4/29/2007 | 930-1200 | 1,3,4,5,6,7,8,9 | 1005 | |
| | | | 1105 | |
| | | | | |
| | | | 1135 | |
| | 4000 4705 | 404507 | 1205 | |
| | 1200-1725 | 1,3,4,5,6,7 | 1245 | |
| | | | 1320 | |
| | | | 1410 | |
| | | | 1445 | |
| | | | 1515 | |
| | | | 1545 | |
| | | | 1615 | |
| | | | 1645 | |
| | | | 1715 | |
| | | | 1725 | |
| lopper dri | fted down at troi | ugh level (4-5 inches) | | |
| rowder s | creen hoist did n | ot fully lower on lift | | |
| 4/30/2007 | 715-1610 | 1,2,3,4,5,6,7,8,9,10,11 | 845 | |
| | | | 910 | |
| | | | 940 | |
| | | | 1010 | |
| | | | 1050 | |
| | | | 1135 | |
| | | | 1220 | |
| | | | 1310 | |
| | | | 1355 | |
| | | | 1440 | |
| | | | 1525 | |
| | | | 1610 | |
| 5/1/2007 | 730-1100 | 1,2,3,4,5,6,7,8,9,10,11 | 820 | |
| 3/1/2007 | | | | |

| | Generation | Time Compared to Date Generation | Lift Time | |
|------------|------------------|---|-----------|------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | 1 5 | 920 | |
| | | | 1015 | |
| | | | 1100 | |
| | 1100-1410 | 4,5,6,7,8,10 | 1130 | |
| | | , , , , , | 1210 | |
| | | | 1255 | |
| | | | 1340 | |
| | 1410-1720 | 1,2,3,4,5,6,7,8,9,10,11 | 1420 | |
| | | .,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1505 | |
| | | | 1550 | |
| | | | 1635 | |
| | | | 1720 | |
| Snillgate | open (1525- | | 1720 | |
| Jenigale | - Spoil (1020- | | | |
| 5/2/2007 | 750-1115 | 1,2,3,4,5,6,7,8,9,10,11 | 825 | |
| J, _ U I | . 55 1116 | .,_,0,,1,0,0,1,0,0,10,11 | 905 | |
| | | | 945 | |
| | | | 1030 | |
| | | | 1115 | |
| | 1115-1620 | 2,4,5,6,8,10 | 1155 | |
| | 1113-1020 | 2,4,3,0,0,10 | 1235 | |
| | | | 1305 | |
| | | | 1340 | |
| | | | | |
| | | | 1415 | |
| | | | 1450 | |
| | | | 1525 | |
| | 1000 1015 | 1001507001011 | 1600 | |
| | 1620-1815 | 1,2,3,4,5,6,7,8,9,10,11 | 1635 | |
| | | | 1705 | |
| | | | 1740 | |
| | | | 1815 | |
| xtra slaci | k in West hopper | cable when lowering. | | |
| E/2/2027 | 740 4400 | 1001567004044 | 000 | |
| 5/3/2007 | 740-1100 | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| | | | 910 | |
| | | | 950 | |
| | 4400 100- | 0.4-0 | 1030 | |
| | 1100-1605 | 2,4,5,6 | 1110 | |
| | | | 1210 | |
| | | | 1300 | Tour group |
| | | | 1345 | |
| | | | 1430 | |
| | | | 1515 | |
| | | | 1600 | |
| | 1605-1815 | 1,2,3,4,5,6,7,8,9,10,11 | 1645 | |
| | | | 1730 | |
| | | | 1815 | |
| 5/4/2007 | 735-955 | 1,2,3,4,5,6,7,8,9,10,11 | 815 | |

| | Generation | Generation | Lift Time | |
|-----------|------------------|--------------------------|-----------|-----|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | - | 900 | |
| | | | 935 | |
| | 955-1315 | 4,5,6,7 | 1015 | |
| | | | 1135 | |
| | | | 1220 | |
| | 1315-1400 | 4,5,6,7,8 | 1325 | |
| | 1400-1600 | 1,2,3,4,5,6,7,8,9,10,11 | 1415 | |
| | | | 1500 | |
| | | | 1545 | |
| | 1600-1700 | 1,2,3,4,5,6,7,8,10,11 | 1630 | |
| | 1700-1715 | 1,2,3,4,5,6,7,8,9,10,11 | 1715 | |
| lopper wo | uld ot stop wher | lowering it after the 17 | 15 lift. | |
| | | ngle aroung the hopper | | ht. |
| | | | | |
| 5/5/2007 | 1130-1200 | 4,5,6,7,8,9,10,11 | 1200 | |
| | 1200-1545 | 4,5,6,7,8,10 | 1245 | |
| | | | 1330 | |
| | | | 1415 | |
| | | | 1450 | |
| | | | 1520 | |
| | | | 1550 | |
| | 1545-1830 | 4,5,6,7,8,9,10,11 | 1625 | |
| | | .,-,-,-,-,-,- | 1700 | |
| | | | 1730 | |
| | | | 1800 | |
| | | | 1830 | |
| 5/6/2007 | 720-1245 | 4,5,6,7,9,10,11 | 800 | |
| 0,0,200. | | .,0,0,1,0,10,11 | 845 | |
| | | | 925 | |
| | | | 1005 | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1215 | |
| | 1245-1635 | 4,5,6,7,11 | 1300 | |
| | 10 1000 | 1,0,0,1,11 | 1350 | |
| | | | 1435 | |
| | | | 1515 | |
| | | | 1600 | |
| | 1635-1815 | 4,5,6,7,8,9,10,11 | 1645 | |
| | 1000 1010 | 1,0,0,1,0,0,10,11 | 1730 | |
| | | | 1815 | |
| 5/7/2007 | 0745-1115 | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| 0,112001 | 07-0-1110 | 1,2,0,7,0,0,1,0,0,10,11 | 915 | |
| | | | 1000 | |
| | | | 1035 | |
| | | | 1120 | |
| | 1115-1620 | 3,5,6,7,11 | 1205 | |
| | 1113-1020 | 3,3,0,7,11 | 1250 | |

| | Generation | Time Compared to Date Generation | Lift Time | |
|------------|----------------|--|-----------|------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | · | 1335 | |
| | | | 1420 | |
| | | | 1440 | Tour group |
| | | | 1525 | |
| | | | 1610 | |
| | 1620-1830 | 1,2,3,4,5,6,7,8,9,10,11 | 1655 | |
| | | | 1745 | |
| | | | 1830 | |
| 5/8/2007 | 730-800 | 1,2,3,4,5,6,7,8,9,10,11 | | |
| | 800-1100 | 1,5,6,7,9,10,11 | 830 | |
| | | .,.,.,.,.,. | 910 | |
| | | | 945 | |
| | | | 1020 | |
| | | | 1100 | |
| | 1100-1715 | 1,5,6,7 | 1200 | |
| | 1100 1710 | 1,0,0,1 | 1225 | |
| | | | 1250 | |
| | | | 1320 | |
| | | | 1355 | |
| | | | 1420 | |
| | | | 1445 | |
| | | | 1510 | |
| | | | 1535 | |
| | | | 1600 | |
| | | | 1625 | |
| | | | 1700 | |
| | | | 1720 | |
| | 1715-1800 | 1,5,6,7,9,10,11 | 1800 | |
| 5/9/2007 | 730-1110 | 2,3,4,5,6,7,8,9,10,11 | 820 | |
| 0/0/2001 | 700 1110 | 2,0,7,0,0,7,0,0,10,11 | 900 | |
| | | | 945 | |
| | | | 1025 | |
| | | | 1100 | |
| | 1110-1625 | 4,5,6,7 | 1145 | |
| | 1110-1020 | 7,0,0,1 | 1220 | Tour group |
| | | | 1300 | rour group |
| | | | 1345 | |
| | | | 1430 | |
| | | | 1515 | |
| | | | 1600 | |
| | 1625-1820 | 2,3,4,5,6,7,8,9,10,11 | 1645 | |
| | 1020-1020 | 2,3,4,3,0,7,0,9,10,11 | 1730 | |
| | | | 1820 | |
| 5/10/2007 | 730-800 | 1 2 2 1 5 6 7 9 0 10 11 | 1020 | |
| J/ 10/2007 | 800-1100 | 1,2,3,4,5,6,7,8,9,10,11 2,5,6,7,9,10,11 | 815 | |
| | 000-1100 | 2,5,0,1,9,10,11 | 855 | |
| | | | 935 | |
| | | | | Tour arous |
| | | | 1030 | Tour group |

| | Generation | Generation | and Gene Lift Time | |
|---------------|------------------|---|-----------------------|------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | 1100-1605 | 4,5,6,7 | 1115 | |
| | | , , , | 1200 | |
| | | | 1245 | Tour group |
| | | | 1330 | great |
| | | | 1415 | |
| | | | 1500 | |
| | | | 1555 | |
| | 1605-1830 | 4,5,6,7,9,10,11 | 1645 | |
| | 1000 1000 | 1,0,0,1,0,10,11 | 1725 | |
| | | | 1800 | |
| | | | 1830 | |
| 5/11/2007 | 730-1105 | 4,5,6,7,8,9,10 | 825 | |
| 5, 1 1,2001 | 700 1100 | 7,0,0,1,0,0,10 | 900 | |
| | | | 935 | 1 |
| | | | 1010 | |
| | | | 1045 | |
| | 1105-1625 | 4,5,6,7 | 1125 | |
| | 1103-1023 | 4,5,6,7 | 1205 | |
| | | | 1250 | |
| | | | 1330 | |
| | | | 1420 | |
| | | | 1500 | |
| | | | 1530 | |
| | | | 1600 | |
| | | | 1630 | |
| | 1625-1700 | 1 2 2 4 5 6 7 9 0 40 44 | 1700 | |
| Air look fro | | 1,2,3,4,5,6,7,8,9,10,11 s, did nt crowd the rest | | (1225 |
| iii icak ii c | ili crowder door | s, ala ili crowa tile rest | or tile day | . (1333- |
| 5/12/2007 | 730-1720 | 4,5,6,7,11 | 830 | |
| 0/12/2001 | 700 1720 | 7,0,0,7,11 | 915 | |
| | | | 945 | |
| | | | 1005 | |
| | | | 1005 | 1 |
| | | | 1045 | |
| | | | 1105 | |
| | | | 1125 | |
| | | | 1145 | 1 |
| | | | 1205 | 1 |
| | | | 1205 | |
| | | | 1245 | - |
| | | | | |
| | | | 1305 1325 | |
| | | | | |
| | | | 1345 | |
| | | | 1410 | |
| | | | 1435 | |
| | | | 1500 | 1 |
| l | | | 4 | |
| | | | 1520 1540 | |

| | Generation | ime Compared to Date Generation | Lift Time |
|-----------|-----------------|---------------------------------|-----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| | - (| <u> </u> | 1605 |
| | | | 1630 |
| | | | 1655 |
| | | | 1720 |
| | | | 1750 |
| | | | 1830 |
| 5/13/2007 | 710-1615 | 5,7 | 750 |
| | | | 815 |
| | | | 840 |
| | | | 905 |
| | | | 930 |
| | | | 955 |
| | | | 1020 |
| | | | 1045 |
| | | | 1110 |
| | | | 1135 |
| | | | 1205 |
| | | | 1235 |
| | | | 1305 |
| | | | 1335 |
| | | | 1405 |
| | | | 1430 |
| | | | 1500 |
| | | | 1530 |
| | | | 1600 |
| | 1615-1720 | 4,5,7,10,11 | 1630 |
| | | | 1700 |
| | 1720-1800 | 4,5,6,7,9,10,11 | 1730 |
| | | | 1800 |
| 5/14/2007 | 700-1305 | 4,5,6,7,9,10,11 | 815 |
| | | | 900 |
| | | | 935 |
| | | | 1010 |
| | | | 1050 |
| | | | 1130 |
| | | | 1210 |
| | | | 1250 |
| | 1305-1600 | 3,4,5,6,7,8,9,10,11 | 1350 |
| | | • • | 1455 |
| | | | 1600 |
| 5/15/2007 | 730-1420 | 1,5,6,7,10,11 | 830 |
| | | | 930 |
| | | | 1000 |
| | | | 1030 |
| | | | 1050 |
| | | | 1125 |
| | | | 1215 |
| | | | 1315 |

| | Generation | Time Compared to Date Generation | Lift Time |
|-------------|---|--|---|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| | , | | 1400 |
| | 1420-1700 | 1,2,3,4,5,6,7,8,9,10,11 | 1445 |
| | | | 1530 |
| | | | 1620 |
| | | | 1700 |
| Crowder s | creen hoist did n | ot fully lower on 1125 I | ft. Screen |
| 5/16/2007 | 730-1145 | 4,5,6,7,9,11 | 830 |
| 0, 10, 2001 | | .,0,0,.,0, | 905 |
| | | | 955 |
| | | | 1025 |
| | | | 1105 |
| | | | 1140 |
| | 1145-1700 | 1,2,3,4,5,6,7,8,9,10,11 | 1215 |
| | 11101100 | 1,2,0,1,0,0,1,0,0,10,11 | 1250 |
| | | | 1325 |
| | | | 1400 |
| | | | 1435 |
| | | | 1510 |
| | | | 1550 |
| | | | 1630 |
| | | | .000 |
| | | | 1700 |
| Maint. Fixe | d air line hose fo | or crowder. (1025) | 1700 |
| Maint. Fixe | d air line hose fo | or crowder. (1025) | 1700 |
| Maint. Fixe | d air line hose fo | or crowder. (1025) 4,5,6,7,11 | 1700 815 |
| | | , | |
| | | , | 815 |
| | | , | 815 855 |
| | | , | 815 855 935 |
| | | , | 815 855 935 1015 |
| | | , | 815 855 935 1015 1105 |
| | | , | 815 855 935 1015 1105 1145 |
| | | 4,5,6,7,11 | 815 855 935 1015 1105 1145 1230 |
| | 730-1315 | , | 815 855 935 1015 1105 1145 1230 1315 1400 |
| | 730-1315 1315-1450 | 1,2,3,4,5,6,7,8,9,10,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 |
| | 730-1315 | 4,5,6,7,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 |
| | 730-1315 1315-1450 1450-1615 | 1,2,3,4,5,6,7,8,9,10,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 |
| 5/17/2007 | 730-1315 1315-1450 1450-1615 1615-1700 | 4,5,6,7,11 1,2,3,4,5,6,7,8,9,10,11 1,2,3,4,5,6,7,8,10,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 |
| | 730-1315 1315-1450 1450-1615 | 1,2,3,4,5,6,7,8,9,10,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 840 |
| 5/17/2007 | 730-1315 1315-1450 1450-1615 1615-1700 | 4,5,6,7,11 1,2,3,4,5,6,7,8,9,10,11 1,2,3,4,5,6,7,8,10,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 840 920 |
| 5/17/2007 | 730-1315 1315-1450 1450-1615 1615-1700 | 4,5,6,7,11 1,2,3,4,5,6,7,8,9,10,11 1,2,3,4,5,6,7,8,10,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 840 920 1015 |
| 5/17/2007 | 730-1315 1315-1450 1450-1615 1615-1700 | 4,5,6,7,11 1,2,3,4,5,6,7,8,9,10,11 1,2,3,4,5,6,7,8,10,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 840 920 1015 1105 |
| 5/17/2007 | 730-1315 1315-1450 1450-1615 1615-1700 730-1205 | 4,5,6,7,11 1,2,3,4,5,6,7,8,9,10,11 1,2,3,4,5,6,7,8,10,11 4,5,6,7,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 840 920 1015 1105 1115 |
| 5/17/2007 | 730-1315 1315-1450 1450-1615 1615-1700 | 4,5,6,7,11 1,2,3,4,5,6,7,8,9,10,11 1,2,3,4,5,6,7,8,10,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 840 920 1015 1105 1105 1145 1225 |
| 5/17/2007 | 730-1315 1315-1450 1450-1615 1615-1700 730-1205 | 4,5,6,7,11 1,2,3,4,5,6,7,8,9,10,11 1,2,3,4,5,6,7,8,10,11 4,5,6,7,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 840 920 1015 1105 1145 1225 1305 |
| 5/17/2007 | 730-1315 1315-1450 1450-1615 1615-1700 730-1205 | 4,5,6,7,11 1,2,3,4,5,6,7,8,9,10,11 1,2,3,4,5,6,7,8,10,11 4,5,6,7,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 840 920 1015 1105 1145 1225 1305 1340 |
| 5/17/2007 | 730-1315 1315-1450 1450-1615 1615-1700 730-1205 | 4,5,6,7,11 1,2,3,4,5,6,7,8,9,10,11 1,2,3,4,5,6,7,8,10,11 4,5,6,7,11 | 815 855 935 1015 1105 1145 1230 1315 1400 1445 1530 1615 1700 840 920 1015 1105 1145 1225 1305 |

| | Generation | Generation | Lift Time | |
|-------------|-----------------|---------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1600 | |
| | | | 1635 | |
| | | | 1710 | |
| 5/19/2007 | 740-1350 | 5,7 | 830 | |
| | | -, | 920 | |
| | | | 1005 | |
| | | | 1130 | |
| | | | 2110 | |
| | | | 1250 | |
| | | | 1330 | |
| | 1350-1700 | 5,8 | 1410 | |
| | 1330-1700 | 5,0 | | |
| | | | 1455 | |
| | | | 1540 | |
| | | | 1625 | |
| • • | 4 11 1: "0 | | 1700 | |
| capacity te | est on Unit #8. | | | |
| | | | | |
| 5/20/2007 | 800-1620 | 5,7 | 830 | |
| | | | 905 | |
| | | | 935 | |
| | | | 1005 | |
| | | | 1035 | |
| | | | 1105 | |
| | | | 1135 | |
| | | | 1205 | |
| | | | 1235 | |
| | | | 1305 | |
| | | | 1335 | |
| | | | 1405 | |
| | | | 1435 | |
| | | | 1505 | |
| | | | 1535 | |
| | | | 1620 | |
| E/04/0007 | 720 1245 | 1567 | | |
| 5/21/2007 | 730-1315 | 4,5,6,7 | 845 | |
| | | | 940 | |
| | | | 1025 | |
| | | | 1115 | |
| | | | 1215 | |
| | | | 1315 | |
| | 1315-1600 | 4,5,6,7,8,9,11 | 1430 | |
| | | | 1600 | |
| Had prob. | With Downstream | Weir gate, would no | t rise | |
| 5/22/2007 | 730-1300 | 4,5,6,7 | 830 | |
| | | | 915 | |
| | | | 1000 | |
| | | | 1045 | |
| | | | 1130 | |

| | Generation | ime Compared to Da Generation | Lift Time |
|-------------|--------------------|---|--------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| | , | , , | 1215 |
| | | | 1300 |
| | 1300-1600 | 4,5,6,7,8,9,11 | 1345 |
| | | | 1430 |
| | | | 1515 |
| | | | 1600 |
| 5/23/2007 | 730-1225 | 5,7 | 845 |
| | | | 940 |
| | | | 1030 |
| | | | 1115 |
| | | | 1210 |
| | 1225-1300 | 4,5,6,7 | 1255 |
| | 1300-1600 | ,4,5,6,7,8,9,11 | 1400 |
| | | , | 1500 |
| | | | 1600 |
| 5/24/2007 | 730-1310 | 5,7 | 830 |
| | | - 1 | 920 |
| | | | 1000 |
| | | | 1050 |
| | | | 1140 |
| | | | 1230 |
| | 1310-1420 | 3,5,6,7 | 1320 |
| | | - , - , - , - | 1410 |
| | 1420-1600 | 3,5,6,7,8,9,11 | 1510 |
| | | -,-,-,-,-,-,- | 1600 |
| Cleaned an | d flushed trash or | n screens in lower c | hannel (1630 |
| | | | |
| 5/25/2007 | 730-1330 | 5,7 | 850 |
| | | · | 940 |
| | | | 1040 |
| | | | 1120 |
| | | | 1215 |
| | | | 1320 |
| | 1330-1425 | ? | |
| | 1425-1600 | ? | 1445 |
| | - 1222 | - | 1600 |
| Problem lo | wering hopper ful | ly into the pit. | |
| 2.2.210 | 9 | , p | |
| 5/26/2007 | 730-1325 | 5,7 | 830 |
| 3, 23, 2301 | . 55 . 520 | 5 ,. | 915 |
| | | | 1000 |
| | | | 1045 |
| | | | 1135 |
| | | | 1225 |
| | | | 1315 |
| | 1325-1600 | 4,5,6,7 | 1405 |
| | 1323-1000 | 7,0,0,1 | 1500 |
| | | | 1600 |

| | Generation | Generation | Lift Time | |
|-----------|-----------------|------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| 5/27/2007 | 720-1305 | 5,7 | 820 | |
| | | | 910 | |
| | | | 1000 | |
| | | | 1100 | |
| | | | 1200 | |
| | | | 1300 | |
| | 1305-1600 | 4,5,6,7,11 | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| 5/28/2007 | 730-1330 | 5,7 | 830 | |
| | | • | 915 | |
| | | | 1000 | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1215 | |
| | | | 1300 | |
| | 1330-1600 | 3,4,5,7,10,11 | 1400 | |
| | | · · · · · | 1500 | |
| | | | 1600 | |
| 5/29/2007 | 700-1025 | 5,7 | 815 | |
| | | | 900 | |
| | | | 945 | |
| | 1025-1300 | 8 | 1045 | |
| | | | 1145 | |
| | | | 1245 | |
| | 1300-1500 | 8,9,10,11 | 1345 | |
| | | | 1500 | |
| 5/30/2007 | 745-1400 | 5,7 | 930 | |
| | | * | 1045 | |
| | | | 1200 | |
| | | | 1315 | |
| | | | 1420 | |
| | 1400-1500 | 1,2,3,4,5,6,7 | 1500 | |
| 5/31/2007 | 745-1330 | 5,7 | 845 | |
| | | * | 1000 | |
| | | | 1045 | |
| | | | 1200 | |
| | | | 1330 | |

| Conc | owingo Fast Lift | Time Compared to Date | and Gener | ation Units running |
|------------|------------------|----------------------------|----------------------|----------------------|
| Oone | Generation | Generation | Lift Time | ation onits running. |
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| 24.0 | 1 (= 1 1 1 0 0) | · • | (= : : : : : : : :) | |
| | | 2008 | | |
| | Generation | Generation | Lift Time | |
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| 4/16/2008 | 1000-1130 | 1,2,3,4,5,6,7,8,9,10,11 | 1030 | |
| | | | 1115 | |
| | 1130-1315 | 4,5,6,7 | 1215 | |
| | | | 1315 | |
| | 1315-1715 | | 1415 | |
| | | | 1515 | |
| | | | 1615 | |
| | | | 1715 | |
| 4/17/2008 | 930-1100 | 1,2,3,4,5,6,7,8,9,10,11 | 1000 | |
| | | | 1030 | |
| | 1100-1530 | 4,5,6,7 | 1115 | |
| | | | 1215 | |
| | | | 1315 | |
| | | | 1415 | |
| | | | 1515 | |
| | 1530-1720 | 3,4,5,6 | 1615 | |
| | | | 1720 | |
| 4/18/2008 | 915-1100 | 1,2,3,4,5,6,7,8,9,10,11 | 1020 | |
| | 1100-1715 | 3,4,5,6 | 1120 | |
| | | | 1200 | |
| | | | 1245 | |
| | | | 1630 | |
| | | | 1645 | |
| | | | 1715 | |
| Breaker to | Crowder Screen | Hoist tripped fixed at 1 | 020. | |
| Prox. prob | e for hopper upp | er limit failed, maint. re | placed at 1 | 630. |
| 4/19/2008 | 900-1115 | 3,4,5,6,8,9,10 | 945 | |
| | | -, -, -, -, 0, 0, . 0 | 1015 | |
| | | | 1045 | |
| | 1115-1210 | 3,4,5,6 | 1130 | |
| | | -, -, -, - | 1215 | |
| | 1210-1810 | 5,6 | 1300 | |
| | | | 1345 | |
| | | | 1430 | |
| | | | 1515 | |
| | | | 1600 | |
| | | | 1645 | |
| | | | 1730 | |
| | | | 1805 | |
| 4/20/2008 | 730-1415 | 5,6 | 845 | |
| 7/20/2000 | 700 1410 | 5,0 | 945 | |
| | | | 1045 | |
| | <u> </u> | | 1040 | |

| Cond | Generation | Generation | Lift Time | |
|------------|---------------------|------------------------------------|---|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 1145 | |
| | | | 1245 | |
| | | | 1345 | |
| | | | 1420 | |
| | 1415-1650 | 3,4,5,6,9 | 1500 | |
| | | | 1600 | |
| | | | 1650 | |
| 4/21/2008 | 800-1500 | 3,4,5,6,8,9,10 | 835 | |
| | | | 915 | |
| | | | 1150 | |
| | | | 1220 | |
| | | | 1235 | |
| | | | 1310 | |
| | | | 1340 | |
| | | | 1410 | |
| | | | 1440 | |
| | 1500- | 5,6 | 1535 | |
| | 1000 | 0,0 | 1610 | |
| During the | 0915 lift brakes | on honner would not | hold, started to free fall | |
| | | | mora, otartoa to moo ram | |
| Maint. Can | ne out to adjust pr | oblem. | | |
| | ne out to adjust pr | | | |
| | | oblem. esition after last lift. | | |
| Crowder s | tuck in forward po | sition after last lift. | 1100 | |
| Crowder s | | | 1100 1130 | |
| | tuck in forward po | sition after last lift. | 1100 1130 1140 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 1300 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 1300 1330 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 1300 1330 1400 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 1300 1330 1400 1430 | |
| rowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 | |
| rowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 | |
| Crowder s | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 | |
| 4/22/2008 | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 | |
| 4/22/2008 | tuck in forward po | sition after last lift. | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 | |
| 4/22/2008 | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 1240 | |
| 4/22/2008 | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 1240 1255 | |
| 4/22/2008 | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 1240 1255 1310 | |
| 4/22/2008 | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 1240 1255 1310 1325 | |
| 4/22/2008 | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 1240 1255 1310 1325 1355 | |
| Crowder s | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 1240 1255 1310 1325 1355 1410 | |
| 4/22/2008 | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 1240 1255 1310 1325 1355 1410 1425 | |
| 4/22/2008 | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 1240 1255 1310 1325 1355 1410 1425 1445 | |
| 4/22/2008 | 1025- | 3,4,5,6,8,9,10 | 1130 1140 1200 1220 1240 1300 1330 1400 1430 1500 1530 1600 1630 1645 820 1240 1255 1310 1325 1355 1410 1425 | |

| | Generation | Generation | Lift Time | |
|-------------|----------------|----------------------------|-------------------------|-------------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | - |
| Telemetry | ` ' | in trough. (0830-1025) | | - |
| <u>-</u> | | er limit witched failed on | ı first lift, Maint rep | placed limit abou |
| 4/24/2008 | 735-1000 | 3,4,5,6,9,10,11 | 830 | |
| | | | 905 | |
| | | | 940 | |
| | 1000-1115 | 3,4,5,6 | 1025 | |
| | | | 1110 | |
| | 1115-1300 | 5,6 | 1150 | |
| | | | 1230 | |
| | | | 1305 | |
| | 1300-1405 | 3,4,5,6 | 1405 | |
| | 1405- | 1,2,3,4,5,6,7,8,9,10,11 | 1615 | |
| | | | 1650 | |
| | | | 1720 | |
| | | | 1755 | |
| Telemetry : | study was done | in trough. (1430-1600) | | |
| 4/25/2008 | 715-1155 | 3,4,5,6 | 815 | |
| | | 1 | 850 | |
| | | | 930 | |
| | | | 1030 | |
| | | | 1115 | |
| | | | 1145 | |
| | 1155-1405 | 3,4,5,6,9,10,11 | 1225 | |
| | | - | 1315 | |
| | 1405- | 1,2,3,4,5,6,7,8,9,10,11 | 1415 | |
| | | | 1510 | |
| | | | 1600 | |
| 4/26/2008 | 750-1105 | 3,4,5,6,9 | 820 | |
| | | | 840 | |
| | | | 910 | |
| | | | 940 | |
| | | - - | 1020 | - |
| | | | 1100 | |
| | 1105-1520 | 5,6 | 1200 | - |
| | | - | 1245 | |
| | | | 1330 | - |
| | | | 1415 | |
| | | | 1500 | |
| | 1520- | - | 1530 | |
| ı | 1020 | | | |

Hopper cable went extra slack while setting hopper back in pit (1610) and heard air leaking.

Operations came out and shut us down for the day, hopper door air lines torn open.

| | Generation | Time Compared to Date Generation | Lift Time | |
|---------------|------------------------|-------------------------------------|------------------------------|--------------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | | |
| 4/27/2008 | | | 1/00/0 | |
| Did not op | erate today beca | use of hopper problem | s on 4/26/0 | 8. |
| 4/28/2008 | | | | |
| | erate today heca | use of hopper problem | s on <i>4/26/</i> 0 | 8 |
| Dia not op | late today book | acc of hopper problem | 0 011 4/20/0 | |
| 4/29/2008 | 745-1155 | 1,2,3,4,5,6,7,8,9,10,11 | 820 | |
| | | | 900 | |
| | | | 950 | |
| | | | 1030 | |
| | | | 1050 | |
| | | | 1115 | |
| During the | 1215, air line sc | hieve block got all tang | led up and | hopper was lowered |
| manually. | | | | |
| 1/00/555 | 22- | | 0.5.5 | |
| 4/30/2008 | 830- | 1,2,3,4,5,6,7,8,910,11 | 900 | |
| | | | 945 | |
| | | | 1030 1120 | |
| | | | 1205 | |
| | | | 1350 | |
| | | | 1440 | Tour group |
| | | | 1500 | Tour group |
| | | | 1600 | Tour group |
| 5/1/2008 | 0730- | 1,2,3,4,5,6,8,9,10,11 | 815 | |
| 0/ // 2000 | 0.00 | .,_,e, .,e,e,e,e, . e, | 900 | |
| | | | 1000 | |
| | | | 1105 | |
| | | | 1225 | |
| | | | 1400 | |
| | | | 1530 | |
| 5/2/2008 | 730-1115 | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| | | | 1000 | |
| | 1115-1415 | 4,5,6,7,11 | 1130 | |
| | | | 1245 | |
| | | | 1400 | |
| | 1415- | 1,2,3,4,5,6,7,8,9,10,11 | 1530 | |
| = 10 15 5 5 5 | 730-1000 | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| 5/3/2008 | i l | | 930 | |
| 5/3/2008 | 4000 4445 | 45070 | 1030 | |
| 5/3/2008 | 1000-1115 | 4,5,6,7,9 | | |
| 5/3/2008 | 1000-1115 1115-1630 | 4,5,6,7,9 5,7 | 1130 | |
| 5/3/2008 | | | 1130 1215 | |
| 5/3/2008 | | | 1130 1215 1300 | |
| 5/3/2008 | | | 1130 1215 1300 1345 | |
| 5/3/2008 | | | 1130 1215 1300 | |

| | Generation | Generation | Lift Time | |
|------------|----------------|---------------------------|-----------|------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | , | , , | 1625 | |
| | 1630-1705 | 4,5,6,7,8 | 1705 | |
| 5/4/2008 | 835-1210 | 5,7 | 915 | |
| | | • | 945 | |
| | | | 1015 | |
| | | | 1050 | |
| | | | 1125 | |
| | | | 1210 | |
| | 1210-1610 | 4,5,6,7,9,10 | 1240 | |
| | | .,0,0,1,0,10 | 1320 | |
| | | | 1405 | |
| | | | 1455 | |
| | | | 1545 | |
| | | | 1615 | |
| 5/5/2008 | 830- | 1,2,3,4,5,6,7,8,9,10,11 | 900 | |
| ,, 0, 2000 | 000 | .,2,0,1,0,0,1,0,0,10,11 | 930 | |
| | | | 1005 | |
| | | | 1045 | |
| | | | 1135 | |
| | | | 1225 | |
| | | | 1330 | |
| | | | 1420 | Tour group |
| | | | 1515 | Tour group |
| | | | 1615 | |
| elemetry | study was done | in trough. (0730-0830) | 1010 | |
| 1010000 | 720 | 4 2 2 4 5 6 7 8 8 4 8 4 4 | 000 | |
| 5/6/2008 | 730- | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| | | | 930 | |
| | | | 1035 | |
| | | | 1130 | |
| | | | 1250 | |
| | | | 1400 | |
| | | | 1500 | |
| 17/0000 | 700.040 | 450740 | 1545 | |
| 5/7/2008 | 730-810 | 4,5,6,7,10 | 0.40 | |
| | 810- | 1,2,3,4,5,6,7,8,9,10,11 | 840 | |
| | | | 940 | |
| | | | 1040 | |
| | | | 1140 | |
| | | | 1245 | |
| | | | 1345 | |
| | | | 1445 | |
| | | | 1550 | |
| 5/8/2008 | 700-810 | 4,5,6,7 | _ | |
| | 810-1020 | 4,5,6,7,8,9,10,11 | 835 | |
| | | | 920 | |
| | | | 1000 | |
| | 1020-1720 | 1,2,3,4,5,6,7,8,9,10,11 | 1050 | |

| | Generation | Fime Compared to Date Generation | Lift Time |
|-------------|------------------|----------------------------------|-----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| | | | 1135 |
| | | | 1220 |
| | | | 1305 |
| | | | 1500 |
| | | | 1520 |
| | | | 1605 |
| | | | 1650 |
| | 1720- | 4,5,6,7,8,9,10 | 1735 |
| | - | ,-,-, ,-,-, | 1820 |
| | | | 1905 |
| elemetry | study was done i | n trough. (1330-1450) | |
| | | | |
| 5/9/2008 | 805-1100 | 3,4,5,6,9,10 | 940 |
| | | , , ,-,-, - | 1000 |
| | | | 1025 |
| | | | 1055 |
| | 1100- | 3,4,5,6,7,8,9,10,11 | 1145 |
| | - | , , , , , , -, -, -, - | 1235 |
| | | | 1335 |
| | | | 1430 |
| | | | 1530 |
| | | | 1630 |
| 5/10/2008 | 800-820 | 4,5,6,7,9 | |
| | 820-1325 | 4,5,6,7,8,9,10 | 905 |
| | | -,-,-,-,0,0,.0 | 935 |
| | | | 1005 |
| | | | 1040 |
| | | | 1110 |
| | | | 1140 |
| | | | 1215 |
| | | | 1250 |
| | | | 1325 |
| | 1325- | 4,5,6,7 | 1425 |
| | 1020 | 7,0,0,1 | 1500 |
| | | | 1535 |
| | | | 1605 |
| | | | 1635 |
| | | | 1705 |
| | | | 1703 |
| | | | 1810 |
| 5/11/2008 | 700-1310 | 5,7 | 735 |
| J/ 1 1/2006 | 100-1310 | J,1 | 810 |
| | | | 845 |
| | | | 920 |
| | | | |
| | | | 950 |
| | | | 1025 |
| | | | 1100 |
| | | | 1135 |

| | Generation | Time Compared to Date Generation | Lift Time | |
|------------|-----------------|----------------------------------|-----------|------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | 2 (22) | <u> </u> | 1210 | |
| | | | 1245 | |
| | | | 1320 | |
| | 1310-1555 | 4,5,6,9 | 1355 | |
| | | -,-,-,- | 1445 | |
| | | | 1535 | |
| | 1555- | 4,5,6,7,9,10 | 1620 | |
| 5/12/2008 | 730-1507 | 1,2,3,4,5,6,7,8,9,10,11 | 830915 | |
| | | , , - , , - , - , - , - , | 1000 | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1220 | |
| | | | 1310 | |
| | | | 1400 | |
| | | | 1450 | |
| | 1507- | 4,5,6,7,8,9,10,11 | 1540 | |
| 5/13/2008 | 745- | 1,2,3,4,5,6,7,8,9,10,11 | 835 | |
| 3/13/2000 | 745 | 1,2,0,4,0,0,7,0,0,10,11 | 925 | |
| | | | 1025 | |
| | | | 1125 | |
| | | | 1225 | |
| | | | 1325 | |
| | | | 1425 | |
| | | | 1525 | |
| 5/14/2008 | 730- | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| 3/14/2006 | 730- | 1,2,3,4,3,0,7,8,9,10,11 | 930 | |
| | | | 1045 | |
| | | | 1200 | |
| | | | | |
| | | | 1315 | |
| | | | 1430 | |
| E/4 E/0000 | 700 | 4004507004044 | 1515 | |
| 5/15/2008 | 730- | 1,2,3,4,5,6,7,8,9,10,11 | 825 | |
| | | | 925 | |
| | | | 1025 | |
| | | | 1125 | _ |
| | | | 1215 | Tour group |
| | | | 1325 | |
| | | | 1425 | |
| | | | 1525 | |
| 5/16/2008 | 800-1325 | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| | | | 930 | |
| | | | 1030 | |
| | | | 1130 | |
| | | | 1230 | |
| | | | 1330 | |
| | 1325- | 4,5,6,7,8 | 1430 | |
| | | | 1530 | |
| 5/17/2008 | 750-835 | 4,5,6,7,8 | | |

| | Generation | Time Compared to Date Generation | Lift Time | |
|-----------------|-----------------|-------------------------------------|-----------|-------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | 835- | 1,2,3,4,5,6,7,8,9,10,11 | 900 | |
| | | | 1000 | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1215 | |
| | | | 1300 | |
| | | | 1345 | |
| | | | 1420 | |
| | | | 1455 | |
| | | | | |
| - /4 0 /0 0 0 0 | 0.45 4.400 | | 1530 | |
| 5/18/2008 | 645-1100 | 5,7 | 730 | |
| | | | 805 | |
| | | | 835 | |
| | | | 905 | |
| | | | 935 | |
| - | | | 1020 | |
| | | | 1105 | |
| | 1100- | 4,5,6,7,8,9,10,11 | 1145 | |
| | | , , , , , , , | 1225 | |
| | | | 1315 | |
| | | | 1405 | |
| | | | 1455 | |
| | | | 1545 | |
| 5/19/2008 | 730- | 1,2,3,4,5,6,7,8,9,10,11 | 815 | |
| 3/19/2006 | 730- | 1,2,3,4,5,6,7,6,9,10,11 | 915 | |
| | | | | |
| | | | 1015 | |
| | | | 115 | |
| | | | 1215 | |
| | | | 1300 | |
| | | | 1345 | |
| | | | 1430 | |
| | | | 1515 | |
| 5/20/2008 | 735- | 1,2,3,4,5,6,7,8,9,10,11 | 820 | |
| | | | 915 | |
| | | | 1015 | |
| | | | 1115 | |
| | | | 1155 | Tour group |
| | | | 1255 | . car group |
| | | | 1355 | |
| | | | | |
| | | | 1455 | |
| E/04/0000 | 740 4545 | 4004507004044 | 1555 | |
| 5/21/2008 | 740-1515 | 1,2,3,4,5,6,7,8,9,10,11 | 820 | |
| | | | 905 | |
| | | | 1005 | |
| | | | 1105 | |
| | | | 1215 | |
| | | | | |
| | | | 1315 | |

| | Generation | Time Compared to Date Generation | Lift Time | |
|--------------|-----------------|-------------------------------------|----------------|---------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | Ì | · | 1515 | |
| 5/22/2008 | 740-1530 | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| | | | 930 | |
| | | | 1030 | |
| | | | 1130 | |
| | | | 1300 | Tour group |
| | | | 1400 | rour group |
| | | | 1530 | |
| Δir hoses d | ame loose from | hopper, reconnected a | | l lift (1400) |
| 11110303 | and loose nom | nopper, reconnected a | iia iiiiisiice | 1111 (1400). |
| 5/23/2008 | 730-1110 | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| 3/23/2000 | 730 1110 | 1,2,3,4,3,0,7,0,3,10,11 | 930 | |
| | | | 1030 | |
| | 1110 | 456791011 | | |
| | 1110- | 4,5,6,7,8,10,11 | 1130 | |
| | | | 1230 | |
| | | | 1330 | |
| | | | 1430 | |
| - 1- 11 | | | 1530 | |
| 5/24/2008 | 745-830 | 4,5,6,7,8,9,10 | 830 | |
| | 830-945 | 4,5,6,7,8,9 | 930 | |
| | 945-1440 | 4,5,6,7,9 | 1030 | |
| | | | 1130 | |
| | | | 1230 | |
| | | | 1330 | |
| | | | 1430 | |
| | 1440-1530 | 4,5,6,7,8,9,10 | 1530 | |
| 5/25/2008 | 700-1025 | 5,7 | 800 | |
| | | • | 845 | |
| | | | 930 | |
| | | | 1015 | |
| | 1025-1310 | 4,5,6,7,8 | 1115 | |
| | 1020 1010 | 1,0,0,1,0 | 1215 | |
| | | | 1315 | |
| | 1310- | 1567001011 | 1415 | |
| | 1310- | 4,5,6,7,8,9,10,11 | 1515 | |
| | | | | |
| | | | 1615 | |
| E /00 /00 00 | 700 4045 | 4507 | 1700 | |
| 5/26/2008 | 700-1615 | 4,5,6,7 | 800 | |
| | | | 900 | |
| | | | 945 | |
| | | | 1030 | |
| | | | 1100 | |
| | | | 1235 | |
| | | | 1300 | |
| | | | 1345 | |
| | | | 1425 | |
| | | | 1505 | |
| 1 | | | | l . |

| | Generation | Generation | Lift Time | |
|---------------|----------------|-------------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | , | | 1615 | |
| Felemetry s | study was done | in trough. (1120-1220) | | |
| | <u> </u> | , , | | |
| 5/27/2008 | 800-900 | 5,7 | 905 | |
| 0,21,2000 | 900-1120 | 4,5,6,7,? | 950 | |
| | 000 1120 | 1,0,0,1,. | 1050 | |
| | 1120- | 1,2,3,4,5,6,7,8,9,10,11 | 1150 | |
| | 1120- | 1,2,3,4,3,0,1,0,9,10,11 | 1250 | |
| | | | 1350 | |
| | | | | |
| | | | 1450 | |
| -1 | | ' ((CTOO OOCS) | 1520 | |
| elemetry s | study was done | in trough. (0730-0900) | | |
| - 10 0 10 0 0 | | | | |
| 5/28/2008 | 730-915 | 9 | 830 | |
| | | | 915 | |
| | 915-1015 | 3,7,9 | 1000 | |
| | 1015-1430 | 2,3,4,5,6,7,9,10 | 1045 | |
| | | | 1130 | |
| | | | 1215 | |
| | | | 1300 | |
| | | | 1345 | |
| | | | 1430 | |
| | 1430- | 3,4,5,6,7,9,10 | 1515 | |
| | 1 100 | 3, 1,0,0,1,0,10 | 1600 | |
| 5/29/2008 | 730-1005 | 9 | 815 | |
| 3/23/2000 | 730-1003 | 9 | 900 | |
| | | | 945 | |
| | 1005 1100 | 5.07.0 | | |
| | 1005-1120 | 5,6,7,9 | 1030 | |
| | 1120-1415 | 1,4,5,6,7,9,10,11 | 1135 | |
| | | | 1150 | |
| | | | 1210 | |
| | | | 1300 | |
| | | | 1345 | |
| | 1415- | 1,2,3,4,5,6,7,8,9,10,11 | 1430 | |
| | | | 1515 | |
| | | | 1600 | |
| 5/30/2008 | 800-930 | 8 | 900 | |
| | 930-1210 | 4,5,6,7,8,9,10 | 1000 | |
| | | | 1035 | |
| | | | 1120 | |
| | | | 1205 | |
| | 1210- | 1,2,3,4,5,6,7,8,9,10,11 | 1330 | |
| | 1210- | 1,2,0,7,0,0,1,0,0,10,11 | 1420 | |
| | | | | |
| | | | 1510 | |
| | | | 1600 | |

| | Generation | ime Compared to Da Generation | Lift Time | |
|-----------|-----------------|-------------------------------|-----------|--------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| 5/31/2008 | 715-1050 | 5,7 | 815 | |
| | | · | 900 | |
| | | | 945 | |
| | | | 1030 | |
| | 1050-1205 | 4,5,6,7,8 | 1120 | |
| | | ,-,-, ,- | 1210 | |
| | 1205-1310 | 4,5,6,7,8,10 | 1310 | |
| | 1310- | 4,5,6,7,8,9,10,11 | 1355 | |
| | | .,0,0,1,0,0,1.0,1. | 1440 | |
| | | | 1525 | |
| | | | 1600 | |
| 5/1/2008 | 730-1500 | 5 | 815 | |
| , 1/2000 | 700 1000 | <u> </u> | 905 | |
| | | | 955 | |
| | | | 1045 | |
| | | | 1140 | |
| | | | 1235 | |
| | | | | |
| | | | 1330 | |
| | 4500 | 45070 | 1425 | |
| | 1500- | 4,5,6,7,8 | 1520 | |
| . / . / | | | 1600 | |
| 6/2/2008 | 745-1015 | 5 | 835 | |
| | | | 925 | |
| | | | 1020 | |
| | 1015-1135 | 4,5,6,7,8 | 1105 | Tour group |
| | 1135- | 4,5,6,7,8,9,10,11 | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| 3/3/2008 | 730-1115 | 5 | 835 | |
| | | | 935 | |
| | | | 1035 | |
| | 1115-1255 | 4,5,6 | 1135 | |
| | | | 1235 | |
| | 1255-1400 | 3,4,5,6 | 1335 | |
| | 1400- | 3,4,5,6,8,9,10,11 | 1435 | |
| | | | 1530 | |
| 6/4/2008 | 745-1110 | 5 | 845 | |
| | - | <u>-</u> | 945 | |
| | | | 1045 | |
| | 1110-1200 | 5,6,7 | 1145 | |
| | 1200-1315 | 4,5,6,7 | 1245 | |
| | 1315- | 4,5,6,7,8,9,10,11 | 1415 | |
| | 1010 | 1,0,0,1,0,0,10,11 | 1530 | |
| 6/5/2008 | 730-1110 | 5 | 845 | |
| 0/0/2000 | 750-1110 | J | 945 | |
| | | | | |
| | | | 1100 | |

| | Generation | Generation | Lift Time | |
|------------|-------------------|--|-----------|---------------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | 1110-1230 | 2,4,5,6,8 | 1200 | |
| | 1230- | 2,4,5,6,7,8,9,10,11 | 1300 | |
| | | | 1440 | |
| | | | 1440 | |
| During the | 1300 lift. Crowde | er scrren hoist would r | 1530 | v and would not let |
| • | • | er scrren hoist would r ion, allowing us to fis | 1530 | • |
| • | • | | 1530 | • |

| Cond | nuingo Egot Lift | Time Compared to Date | and Cana | ration Unita wanning |
|------------|-------------------|---|--------------|-----------------------|
| Cond | Generation | Time Compared to Date Generation | Lift Time | ration Units running. |
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| Date | 11110 (2111001) | | (2111001) | |
| | | 2009 | | |
| | Generation | Generation | Lift Time | |
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| 4/1/2009 | 1000-1105 | 2,3,4,5,6,7,8,9 | | |
| | 1105- | 2,7 | 1115 | |
| | | | 1250 | |
| 1/0/0000 | 1000 1100 | 00450700 | 1445 | |
| 4/2/2009 | 1000-1100 | 2,3,4,5,6,7,8,9 | 4445 | |
| | 1100-1600 | 2,7 | 1115 1300 | |
| | | | 1430 | |
| | | | 1600 | |
| 4/3/2009 | 1015-1105 | 1,2,3,4,5,6,7,8,9,10,11 | 1000 | |
| 4/3/2009 | 1105-1205 | 2,5,6,7 | 1130 | |
| | 1205- | 2,7 | 1230 | |
| | 1200 | 2 ,1 | 1330 | |
| | | | 1430 | |
| | | | 1530 | |
| | | | 1620 | |
| 4/6/2009 | 900- | 1,2,3,4,5,6,7,8,9,10,11 | 1010 | |
| | | . , , , , , , , , , , , , , , , , , , , | 1130 | |
| | | | 1230 | |
| | | | 1345 | |
| | | | 1500 | |
| 4/8/2009 | 800-900 | 1,2,3,4,6,7,8,9,11 | | |
| | 900- | 1,2,3,4,5,6,7,8,9,10,11 | | Lift for senator |
| | | | 1120 | |
| | | | 1250 | |
| | | | 1400 | |
| 4/40/0000 | 0.4.0 | | 1500 | |
| 4/10/2009 | 810- | 1,2,3,4,5,6,7,8,9,10,11 | 900 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 1500 | |
| | | | 1300 | |
| Crowder so | creen upper limit | failed, operated but no | t fishing be | etween 900-1110. |
| 4/13/2009 | 900-1115 | 1,2,3,4,5,6,7,8,9,10,11 | 1110 | |
| Crowder so | creen lower limit | failed. Lift down until to | omorrow. | |
| 4/45/0000 | 000 1115 | 4004507004044 | | |
| 4/15/2009 | 830-1115 | 1,2,3,4,5,6,7,8,9,10,11 | 4405 | |
| | 1115-1215 | 1,5,6,7 | 1125 | |
| | 1215-1615 | 5,7 | 1245 | |
| | | | 1355 | |
| | | | 1440 1510 | |
| | | | 1310 | |

| | Generation | Time Compared to Date Generation | Lift Time | |
|-----------|-----------------|----------------------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| 24.0 | (=::::6::) | om a operating | 1555 | |
| | 1615-1700 | 3,4,5,7 | 1630 | |
| | 1010 1100 | 5, 1,5,1 | 1700 | |
| 4/17/2009 | 900-1200 | 1,2,3,4,5,6,7,8,9,10,11 | 1000 | |
| 4/11/2000 | 300 1200 | 1,2,0,4,0,0,7,0,0,10,11 | 1100 | |
| | 1200-1710 | 1,2,6,7 | 1200 | |
| | 1200 1710 | 1,2,0,1 | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| | | | 1700 | |
| 4/40/2000 | 020 4640 | | | |
| 4/19/2009 | 830-1610 | 5,7 | 930 | |
| | | | 1005 | |
| | | | 1035 | |
| | | | 1115 | |
| | | | 1200 | |
| | | | 1240 | |
| | | | 1325 | |
| | | | 1410 | |
| | | | 1455 | |
| | | | 1540 | |
| | 1610-1700 | 1,2,3,4,5,6,7 | 1625 | |
| | | | 1700 | |
| 4/20/2009 | 830-1100 | 1,2,3,4,5,6,7,8,9,10,11 | 930 | |
| | | | 1030 | |
| | 1100-1715 | 1,3,4,5,6,7 | 1130 | |
| | | | 1230 | |
| | | | 1315 | |
| | | | 1400 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1715 | |
| 4/21/2009 | 800-1100 | 1,2,3,4,5,6,7,8,9,10,11 | 900 | |
| | | | 1000 | |
| | | | 1100 | |
| | 1100-1200 | 1,2,3,4,5,6,7 | 1200 | |
| | 1200-1730 | 1,5,7 | 1300 | |
| | | | 1400 | |
| | | | 1530 | |
| | | | 1630 | |
| | | | 1700 | |
| | | | 1730 | |
| 4/22/2009 | 830-1215 | 1,2,3,4,5,6,7,8,9,10,11 | 930 | |
| | | ,_,-,-, .,2,0,.,0,0,10,11 | 1015 | |
| | | | 1115 | |
| | | | 1215 | |
| | 1215- | 4,5,6,7,8 | 1315 | |

| | Generation | Time Compared to Date Generation | Lift Time |
|-----------|-----------------|-------------------------------------|-----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| | | | 1400 |
| | | | 1500 |
| | | | 1545 |
| | | | 1630 |
| | | | 1700 |
| 4/23/2009 | 800-1100 | 1,2,3,4,5,6,7,8,9,10,11 | 900 |
| | | | 1000 |
| | | | 1100 |
| | 1100-1200 | 4,5,6,7,8,9 | 1130 |
| | | | 1200 |
| | 1200-1600 | 5,6,7 | 1300 |
| | | | 1350 |
| | | | 1430 |
| | | | 1515 |
| | | | 1550 |
| | 1600-1700 | 4,5,6,7,8,9 | 1630 |
| | 1700- | 1,2,3,4,5,6,7,8,9,10,11 | 1710 |
| | | | 1800 |
| 4/24/2009 | 800-1100 | 1,2,3,4,5,6,7,8,9,10,11 | 900 |
| | | | 1000 |
| | | | 1050 |
| | 1100- | 1,5,6,7 | 1150 |
| | | | 1235 |
| | | | 1320 |
| | | | 1405 |
| | | | 1445 |
| | | | 1525 |
| | | | 1610 |
| | | | 1655 |
| 4/25/2009 | 830-1300 | 5,7 | 910 |
| | | | 950 |
| | | | 1030 |
| | | | 1110 |
| | | | 1145 |
| | | | 1220 |
| | | | 1300 |
| | 1300-1400 | 1,2,3,4,5,6,7,8 | 1340 |
| | 1400- | 1,2,3,4,5,6,7,8,9,10,11 | 1420 |
| | | | 1500 |
| | | | 1600 |
| 4/26/2009 | 815-1330 | 5,7 | 845 |
| | | | 915 |
| | | | 945 |
| | | | 1020 |
| | | | 1055 |
| | | | 1130 |
| | | | 1200 |
| _ | | | 1225 |

| | Generation | Time Compared to Date Generation | Lift Time | |
|-----------|----------------|-------------------------------------|-----------|-----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | , | 1 0 | 1255 | |
| | | | 1325 | |
| | 1330-1410 | 3,4,5,7,8 | 1405 | |
| | 1410- | 1,2,3,4,5,6,7,8,9,10,11 | 1445 | |
| | | | 1545 | |
| | | | 1650 | |
| 4/27/2009 | 830-1115 | 5,7 | 910 | |
| | | | 940 | |
| | | | 1020 | |
| | | | 1100 | |
| | 1115-1225 | 3,5,6,7,11 | 1150 | |
| | 1225- | 1,2,3,4,5,6,7,8,9,10,11 | 1240 | |
| | | | 1340 | |
| | | | 1435 | |
| | | | 1520 | |
| | | | 1605 | |
| | | | 1650 | |
| 4/28/2009 | 0815-1430 | 4,5,6,7,10 | 900 | |
| | | | 953 | |
| | | | 1030 | |
| | | | 1105 | |
| | | | 1145 | |
| | | | 1230 | |
| | | | 1315 | |
| | | 10015555 | 1400 | |
| | 1430- | 1,2,3,4,5,6,7,8,9,10,11 | 1445 | |
| | | | 1530 | |
| | | | 1615 | |
| | | | 1710 | |
| 1/00/00 | 0000 1515 | | 1800 | |
| 4/29/2009 | 0830-1210 | 5,6 | 900 | |
| | | | 940 | |
| | | | 1020 | |
| | | | 1100 | |
| | 1010 1100 | 500 | 1140 | |
| | 1210-1420 | 5,6,8,10 | 1220 | |
| | | | 1300 | |
| | 4.400 | 0.5.0.0.10.11 | 1350 | - |
| | 1420- | 2,5,6,8,9,10,11 | | Tour grou |
| | | | 1550 | |
| | | | 1650 | |
| | | | 1750 | |
| 4/00/0000 | 000 4400 | 470040 | 1900 | |
| 4/30/2009 | 800-1130 | 4,7,8,9,10 | 830 | |
| | | | 900 | |
| | | | 940 | |
| | | | 1015 | |
| | | | 1120 | |

| | Generation | Generation | Lift Time | |
|----------|-----------------|-------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | 1130-1730 | 4,7 | 1200 | |
| | | | 1240 | |
| | | | 1315 | |
| | | | 1355 | |
| | | | 1425 | |
| | | | 1455 | |
| | | | 1525 | |
| | | | 1555 | |
| | | | 1625 | |
| | | | 1655 | |
| | | | 1725 | |
| | 1730-1800 | 4,7,8,9 | 1755 | |
| | 1800- | 1,3,4,7,8,9,10,11 | 1845 | |
| 5/1/2009 | 900-925 | 4,7 | 925 | |
| | 925-1015 | 4,7,8,9 | 1015 | |
| | 1015- | 3,4,7,8,9,10,11 | 1050 | |
| | | | 1135 | |
| | | | 1215 | |
| | | | 1255 | |
| | | | 1335 | |
| | | | 1415 | |
| | | | 1455 | |
| | | | 1535 | |
| | | | 1610 | |
| | | | 1645 | |
| | | | 1720 | |
| | | | 1755 | |
| | | | 1830 | |
| | | | 1900 | |
| 5/2/2009 | 730-1315 | 3,7 | 805 | |
| -, -, | | | 840 | |
| | | | 915 | |
| | | | 955 | |
| | | | 1035 | |
| | | | 1115 | |
| | | | 1155 | |
| | | | 1235 | |
| | | | 1310 | |
| | 1315- | 3,5,6,7,10 | 1345 | |
| | .010 | 5,5,5,7,10 | 1415 | |
| | | | 1450 | |
| | | | 1530 | |
| | | | 1605 | |
| | | | 1640 | |
| | | | 1715 | |
| | | | 1750 | |
| | | | 1825 | |
| | | | 1900 | |

| | Generation | Time Compared to Date Generation | Lift Time |
|-------------|-----------------|-------------------------------------|-----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| 5/3/2009 | 730-1700 | 5,7 | 815 |
| | | • | 845 |
| | | | 925 |
| | | | 1000 |
| | | | 1035 |
| | | | 1110 |
| | | | 1150 |
| | | | 1225 |
| | | | 1300 |
| | | | 1335 |
| | | | 1410 |
| | | | 1445 |
| | | | 1520 |
| | | | 1555 |
| | | | 1630 |
| | | | 1705 |
| | 4700 4000 | 4.5.6.7.40 | |
| | 1700-1800 | 4,5,6,7,10 | 1740 |
| | 1800- | 4,5,6,7,8,9,10 | 1815 |
| E / 4 /0000 | 200 4445 | | 1900 |
| 5/4/2009 | 800-1115 | 5,7 | 845 |
| | | | 925 |
| | | | 955 |
| | | | 1025 |
| | | | 1055 |
| | 1115-1810 | 4,5,6,7,9,10 | 1125 |
| | | | 1240 |
| | | | 1310 |
| | | | 1340 |
| | | | 1410 |
| | | | 1440 |
| | | | 1510 |
| | | | 1540 |
| | | | 1610 |
| | | | 1640 |
| | | | 1710 |
| | | | 1740 |
| | | | 1810 |
| | 1810- | 5,7 | 1845 |
| | 1010- | 5,7 | |
| F/F/0000 | 000 4000 | F 7 | 1915 |
| 5/5/2009 | 800-1000 | 5,7 | 830 |
| | | | 900 |
| | | | 930 |
| | | | 1000 |
| | 1000-1100 | 3,5,6,7,10 | 1030 |
| | | | 1100 |
| | 1100- | 1,2,3,4,5,6,7,8,9,10,11 | 1130 |
| | | | 1200 |
| | | | 1300 |

| | Generation | Generation | Lift Time | |
|---------------|----------------|-------------------------|-----------|--|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | , | , , | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| | | | 1700 | |
| 5/6/2009 | 700-915 | 5,7 | 730 | |
| | | -, | 800 | |
| | | | 830 | |
| | | | 900 | |
| | 915-1015 | 4,5,6,7,10 | 935 | |
| | 0.0.00 | .,0,0,.,.0 | 1020 | |
| | 1015- | 1,2,3,4,5,6,7,8,9,10,11 | 1050 | |
| | 1010 | 1,2,0,1,0,0,1,0,0,10,11 | 1130 | |
| | | | 1215 | |
| | | | 1310 | |
| | | | 1400 | |
| | | | 1455 | |
| | | | 1545 | |
| | | | 1640 | |
| | | | 1730 | |
| 5/7/2009 | 700-800 | 5,7 | 800 | |
| 3/1/2009 | 800-900 | 3,5,6,7,8 | 830 | |
| | 900- | | 915 | |
| | 900- | 1,2,3,4,5,6,7,8,9,10,11 | 1000 | |
| | | | | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1215 | |
| | | | 1330 | |
| | | | 1430 | |
| | | | 1530 | |
| - /0 /0 0 0 0 | | | 1630 | |
| 5/8/2009 | 700-815 | 4,5,6,7,10 | 810 | |
| | 815- | 1,2,3,4,5,6,7,8,9,10,11 | 830 | |
| | | | 910 | |
| | | | 950 | |
| | | | 1040 | |
| | | | 1125 | |
| | | | 1215 | |
| | | | 1255 | |
| | | | 1340 | |
| | | | 1415 | |
| | | | 1500 | |
| | | | 1545 | |
| | | | 1630 | |
| 5/9/2009 | 715-800 | 5,7 | 750 | |
| | 800- | 4,5,6,7,10 | 805 | |
| | | | 840 | |
| | | | 915 | |
| | | | 930 | |

| | Generation | ime Compared to Dat Generation | Lift Time |
|-----------|----------------|-----------------------------------|-----------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) |
| | , | , , | 1000 |
| | | | 1045 |
| | | | 1125 |
| | | | 1205 |
| | | | 1245 |
| | | | 1320 |
| | | | 1355 |
| | | | 1435 |
| | | | 1505 |
| | | | 1530 |
| | | | 1600 |
| | | | 1630 |
| 5/10/2009 | 700-845 | 5,7 | 745 |
| | | _,. | 815 |
| | | | 845 |
| | 845-1130 | 4,5,6,7,10 | 925 |
| | 0.10 1.100 | 1,0,0,1,10 | 1005 |
| | | | 1045 |
| | | | 1125 |
| | 1130- | | 1205 |
| | 1100 | | 1240 |
| | | | 1315 |
| | | | 1345 |
| | | | 1415 |
| | | | 1445 |
| | | | 1515 |
| | | | 1545 |
| | | | 1615 |
| | | | 1645 |
| | | | 1715 |
| 5/11/2009 | 730- | 4,5,6,7,8,9,10,11 | 900 |
| 3/11/2003 | 1 30- | +,∪,∪, <i>1</i> ,∪,∀,1∪,11 | 945 |
| | | | 1030 |
| | | | |
| | | | 1115 |
| | | | 1200 |
| | | | 1250 |
| | | | 1340 |
| | | | 1430 |
| | | | 1520 |
| | | | 1615 |
| 5/12/2009 | 730-800 | 3,4,5,6,7,10 | |
| | 800- | 3,4,5,6,7,8,9,10,11 | 815 |
| | | | 855 |
| | | | 935 |
| | | | 1000 |
| | | | 1040 |
| | | | 1120 |
| | | | 1200 |

| | Generation | Generation | Lift Time | ration Units running. |
|-----------|-----------------|------------------|-----------|-----------------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | · | 1240 | |
| | | | 1320 | |
| | | | 1400 | |
| | | | 1440 | |
| | | | 1520 | |
| | | | 1610 | |
| | | | 1645 | |
| 5/13/2009 | 730-800 | 4,5,6,7,9 | 800 | |
| | 800- | 4,5,6,7,8,9,11 | 845 | |
| | | | 925 | |
| | | | 1005 | |
| | | | 1045 | |
| | | | 1125 | |
| | | | 1205 | |
| | | | 1245 | |
| | | | 1325 | |
| | | | 1405 | |
| | | | 1445 | |
| | | | 1530 | |
| | | | 1610 | |
| | | | 1650 | |
| | | | 1730 | |
| 5/14/2009 | 730-810 | 4,5,6,7,10 | | |
| | 810- | 4,5,6,7,8,9,10 | 830 | |
| | | | 915 | |
| | | | 1000 | |
| | | | 1045 | |
| | | | 1130 | |
| | | | 1215 | Tour group |
| | | | 1255 | |
| | | | | Tour group |
| | | | 1345 | <u> </u> |
| | | | 1420 | |
| | | | 1500 | |
| | | | 1545 | |
| | | | 1625 | |
| | | | 1705 | |
| | | | 1745 | |
| | | | 1825 | |
| | | | 1900 | |
| 5/15/2009 | 730-815 | 4,5,6,7,10 | 800 | |
| | 815- | 4,5,6,7,8,9,10 | 845 | |
| | | -,-,-,-,-,-,-,- | 925 | |
| | | | 1000 | |
| | | | | Tour group |
| | | | | Tour group |
| | | | 1135 | . car group |
| | | | 1210 | İ |

| | Generation | Generation | Lift Time | |
|-----------|----------------|-------------------------|--------------|------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | · | 1230 | Tour group |
| | | | 1300 | |
| | | | 1330 | Tour group |
| | | | 1400 | |
| | | | 1430 | |
| | | | 1510 | |
| | | | 1545 | |
| | | | 1625 | |
| | | | 1700 | |
| 5/16/2009 | 700-730 | 1,5 | | |
| | 730-1330 | 1,5,6,7,9 | 800 | |
| | | , , , , - | 850 | |
| | | | 950 | |
| | | | 1050 | |
| | | | 1140 | |
| | | | 1230 | |
| | | | 1325 | |
| | 1330- | 1,5,6,7,9,10 | 1415 | |
| | 1000 | 1,0,0,7,0,10 | 1500 | |
| | | | 1545 | |
| | | | 1630 | |
| | | | 1715 | |
| | | | 1800 | |
| | | | 1830 | |
| 5/17/2009 | 700-1300 | 3,5,7 | 800 | |
| 3/11/2009 | 700-1300 | 3,3,7 | 835 | |
| | | | 920 | |
| | | | 1005 | |
| | | | 1005 | |
| | | | 1145 | |
| | | | | |
| | 1300-1620 | 1567040 | 1230 1315 | |
| | 1300-1020 | 4,5,6,7,9,10 | | |
| | | | 1400 | |
| | | | 1450 | |
| | | | 1535 | |
| | 4000 | 4004507004044 | 1615 | |
| | 1620- | 1,2,3,4,5,6,7,8,9,10,11 | 1700 | |
| E/40/0000 | 700.000 | 4507 | 1800 | |
| 5/18/2009 | 730-900 | 4,5,6,7 | 910 | |
| | 900-1000 | 4,5,6,7,9 | 950 | |
| | 1000-1515 | 1,2,3,4,5,6,7,8,9,10,11 | 1030 | |
| | | | 1110 | |
| | | | 1155 | |
| | | | 1255 | |
| | | | 1355 | |
| | | | 1450 | |
| | 1515- | 3,5,6,7,11 | 1545 | |
| | | | 1630 | |

| | Generation | Generation | Lift Time | |
|------------|---------------------|-------------------------|-------------|-------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| Maint. Cam | e out to fix hopp | per door, only opening | 25% | |
| | | | | |
| 5/19/2009 | 730-815 | 5,7 | 800 | |
| | 815-1015 | 4,5,6,7,9 | 900 | |
| | | | 1000 | |
| | 1015- | 1,2,3,4,5,6,7,8,9,10,11 | 1100 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| 5/20/2009 | 800-1600 | 1,2,3,4,5,6,7,8,9,10,11 | 910 | |
| | | | 1000 | |
| | | | 1100 | |
| | | | 1200 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| 5/21/2009 | 730- | | | |
| | 1300-1530 | 1,2,3,4,5,6,7,8,9,10,11 | 1400 | |
| | | | 1430 | |
| | | | 1530 | |
| Had hoppe | r full of debris fr | om flushing screens in | the morning | with maint. |
| • • | | | | |
| 5/22/2009 | 700-800 | 5,7 | 800 | |
| | 800-900 | 4,5,6,7,8 | 845 | |
| | 900-1605 | 1,2,3,4,5,6,7,8,9,10,11 | 945 | |
| | | . , , , , , , , , , , , | 1045 | |
| | | | 1145 | |
| | | | 1245 | |
| | | | 1345 | |
| | | | 1445 | |
| | | | 1545 | |
| | 1605- | 2,3,4,5,6,7 | 1630 | |
| 5/23/2009 | 700-1100 | 5,7 | 800 | |
| 5,_500 | | <u> </u> | 840 | |
| | | | 920 | |
| | | | 1005 | |
| | | | 1050 | |
| | 1100- | 1,2,3,4,5,6,7,8 | 1135 | |
| | . 100 | .,_,0, .,0,0,1,0 | 1215 | |
| | | | 1300 | |
| | | | 1345 | |
| | | | 1430 | |
| | | | 1515 | |
| | | | 1600 | |
| 5/24/2009 | 730-1100 | 5,7 | 815 | |
| J/24/2009 | 130-1100 | \mathfrak{I},I | 010 | |

| | Generation | Generation | Lift Time | |
|-----------|-----------------|------------------|-----------|-------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | | | 900 | |
| | | | 940 | |
| | | | 1020 | |
| | | | 1100 | |
| | 1100- | 3,4,5,6,7,8,9 | 1145 | |
| | | | 1230 | |
| | | | 1330 | |
| | | | 1420 | |
| | | | 1510 | |
| | | | 1600 | |
| /25/2009 | 730-1205 | 5,7 | 830 | |
| | | | 915 | |
| | | | 1000 | |
| | | | 1045 | |
| | | | 1130 | |
| | 1205- | 4,5,6,7,9,10 | 1215 | |
| | | | 1300 | |
| | | | 1415 | |
| | | | 1515 | |
| | | | 1600 | |
| 5/26/2009 | 730-1000 | 5,7 | 815 | |
| | | | 900 | |
| | | | 945 | |
| | 1000- | 4,5,6,7,9,10 | 1035 | |
| | | | 1120 | |
| | | | 1210 | |
| | | | 1300 | |
| | | | 1400 | |
| | | | 1500 | |
| | | | 1600 | |
| /27/2009 | 715-1005 | 4,7 | 815 | |
| | | | 900 | |
| | | | 945 | |
| | 1005- | 4,5,6,7,9 | 1030 | |
| | | | 1130 | |
| | | | 1230 | |
| | | | 1335 | |
| | | | 1430 | |
| | | | 1515 | |
| | | | 1600 | |
| 5/28/2009 | 700-1000 | 4,7 | 935 | |
| | | | | Tour group |
| | 1000- | 4,5,6,7,9,10 | 1041 | |
| | | | 1141 | |
| | | | 1255 | |
| | | | 1355 | |
| | | | 1440 | |
| | | | 1530 | |

| | Generation | Time Compared to Date Generation | Lift Time | |
|-------------------------|--|---|---|---------------------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| | (=::::::) | o op og | 1600 | |
| | | | | Tour group |
| 5/29/2009 | 730-1000 | 4,7 | 930 | Tour group |
| 3/23/2003 | 1000-1120 | 4,5,6,7 | 930 | |
| | 1120- | 3,4,5,6,7,8,9,10,11 | 1130 | |
| | 1120- | 3,4,5,6,7,6,9,10,11 | | |
| | | | 1230 | |
| | | | 1340 | |
| | | | 1440 | |
| | | | 1600 | |
| Problems v | with the downstr | eam weir gate, Maint. C | ould not pi | npoint problem. |
| | | | | |
| 5/30/2009 | 730-910 | 4,5,6,7,9 | 830 | |
| | 910-1600 | 1,2,3,4,5,6,7,8,9,10,11 | 1015 | |
| | | , ,-, ,-,-, ,-,-, | 1115 | |
| | | | 1215 | |
| | | | 1315 | |
| | | | 1415 | |
| | | | 1510 | |
| | | | 1600 | |
| | | | | een off bottom but cables |
| slack. 5/31/2009 | 645-830 | 5,7 | 800 | |
| 0/01/2000 | 830-1005 | 4,5,6,7 | 900 | |
| | 000 1000 | 4,0,0,1 | 1000 | |
| | 1005- | 1,2,3,4,5,6,7,8,9,10,11 | 1100 | |
| | 1005- | 1,2,3,4,3,0,7,8,9,10,11 | 1200 | |
| | | | | |
| | | | 1300 | |
| | | | 1400 | |
| | | | | |
| | | | 1500 | |
| -1. : | | | 1600 | |
| 6/1/2009 | 715-1015 | 4,5,6,7 | 1600 845 | |
| 6/1/2009 | | | 1600 845 945 | |
| 6/1/2009 | 715-1015 1015- | 4,5,6,7 | 1600 845 945 1100 | |
| 6/1/2009 | | | 1600 845 945 1100 1200 | |
| 6/1/2009 | | | 1600 845 945 1100 | |
| 6/1/2009 | | | 1600 845 945 1100 1200 | |
| 6/1/2009 | | | 1600 845 945 1100 1200 1300 1400 | |
| 6/1/2009 | | | 1600 845 945 1100 1200 1300 1400 | |
| | 1015- | 1,2,3,4,5,6,7,8,9,10,11 | 1600 845 945 1100 1200 1300 1400 1500 | |
| | 1015- | | 1600 845 945 1100 1200 1300 1400 1500 | |
| Downstrea | 1015- m weir gate tripp | 1,2,3,4,5,6,7,8,9,10,11 | 1600 845 945 1100 1200 1300 1400 1500 1600 Reset brea | |
| | 1015- | 1,2,3,4,5,6,7,8,9,10,11 | 1600 845 945 1100 1200 1300 1400 1500 1600 Reset brea | ker. |
| Downstrea | 1015- m weir gate tripp | 1,2,3,4,5,6,7,8,9,10,11 | 1600 845 945 1100 1200 1300 1400 1500 1600 Reset brea | ker. |
| Downstrea | 1015- m weir gate tripp 715-1005 | 1,2,3,4,5,6,7,8,9,10,11 Ded while raising, Ops. 1 3,4,5 | 1600 845 945 1100 1200 1300 1400 1500 1600 Reset brea 815 900 1000 | ker. |
| Downstrea | 1015- m weir gate tripp 715-1005 | 1,2,3,4,5,6,7,8,9,10,11 Ded while raising, Ops. 3,4,5 | 1600 845 945 1100 1200 1300 1400 1500 1600 Reset brea 815 900 1000 | ker. |
| Downstrea | 1015- m weir gate tripp 715-1005 | 1,2,3,4,5,6,7,8,9,10,11 Ded while raising, Ops. 1 3,4,5 | 1600 845 945 1100 1200 1300 1400 1500 1600 Reset brea 815 900 1000 1100 | ker. |
| Downstrea | 1015- m weir gate tripp 715-1005 | 1,2,3,4,5,6,7,8,9,10,11 Ded while raising, Ops. 3,4,5 | 1600 845 945 1100 1200 1300 1400 1500 1600 Reset brea 815 900 1000 | ker. |

| | owingo East Lift T Generation | Generation | Lift Time | |
|------------|-------------------------------|---------------------------|---|------------------|
| Date | Time (24 Hour) | Unit # Operating | (24 Hour) | |
| Date | Time (24 Hour) | Office # Operating | 1600 | |
| Honner w | ould not rise unne | er limit switch falled, l | | it (1440) |
| Topper III | outa not rise, appe | i iiiiit Switon lanca, i | папи. геріасса | 11. (1440). |
| 6/3/2009 | 800-1000 | 2 | 930 | |
| | | | 1000 | |
| | 1000-1100 | 2,3,4,7,8 | 1045 | |
| | 1100- | 1,2,3,4,5,6,7,8,9 | 1150 | |
| | | | 1255 | |
| | | | 1355 | |
| | | | 1455 | |
| | | | 1555 | |
| Downstre | am weir gate screv | v stem bent while low | ering it at end | of day. |
| Something | g broke but switch | still works and whee | Is move, GATE | "out of service" |
| | | | | |
| 6/4/2009 | 800-905 | 2 | 900 | |
| | 005 1115 | 2,3,4,7,8 | 1000 | |
| | 905-1115 | 1-1 1 1- | | |
| | | | 1115 | |
| | 1115- | 1,2,3,4,5,7,8,9,10 | 1200 | |
| | | | 1200 1300 | |
| | | | 1200 1300 1400 | |
| | | | 1200 1300 | |
| | 1115- | 1,2,3,4,5,7,8,9,10 | 1200 1300 1400 1500 1600 | |
| 6/5/2009 | | | 1200 1300 1400 1500 | |
| 6/5/2009 | 1115- | 1,2,3,4,5,7,8,9,10 | 1200 1300 1400 1500 1600 855 1000 | |
| 6/5/2009 | 730-1110 | 1,2,3,4,5,7,8,9,10 | 1200 1300 1400 1500 1600 855 1000 1115 | |
| 6/5/2009 | 1115- | 1,2,3,4,5,7,8,9,10 | 1200 1300 1400 1500 1600 855 1000 1115 1220 | |
| 6/5/2009 | 730-1110 | 1,2,3,4,5,7,8,9,10 | 1200 1300 1400 1500 1600 855 1000 1115 | |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1100 | 1070 | |
| | 1200 | 910 | |
| | 1300 | 1623 | |
| | 1400 | 1514 | |
| | 1500 | 1436 | |
| | 1600 | 1378 | |
| | 1700 | 1238 | |
| | 1800 | 1275 | |
| | 1900 | 1047 | |
| 5/7/2000 | 800 | 718 | |
| | 900 | 749 | |
| | 1000 | 1294 | |
| | 1100 | 2275 | |
| | 1200 | 2237 | |
| | 1300 | 1733 | |
| | 1400 | 1332 | |
| | 1500 | 718 | |
| | 1600 | 534 | |
| | 1700 | 643 | |
| | 1800 | 580 | |
| | 1900 | 255 | |
| 5/8/2000 | 800 | 125 | |
| 0/0/2000 | 900 | 813 | |
| | 1000 | 919 | |
| | 1100 | 955 | |
| | 1200 | 876 | |
| | 1300 | 1106 | |
| | 1400 | 937 | |
| | 1500 | 1160 | |
| | 1600 | 1417 | |
| | 1700 | 1052 | |
| | 1800 | 1100 | |
| | 1900 | 706 | |
| 5/9/2000 | 700 | 22 | |
| 3/9/2000 | | 309 | |
| | 800 | | |
| | 900 | 1367 | |
| | 1000 | 1632 | |
| | 1100 | 2136 | |
| | 1200 | 1860 | |
| | 1300 | 1280 | |
| | 1400 | 914 | |
| | 1500 | 707 | |
| | 1600 | 732 | |
| | 1700 | 541 | |
| | 1800 | 652 | |
| | 1900 | 47 | |
| 5/10/2000 | 800 | 272 | |
| | 900 | 1580 | |

| | | Window | |
|-----------------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1100 | 2783 | |
| | 1200 | 2124 | |
| | 1300 | 2003 | |
| | 1400 | 712 | |
| | 1500 | 406 | |
| | 1600 | 240 | |
| | 1700 | 181 | |
| | 1800 | 222 | |
| | 1900 | 61 | |
| 5/11/2000 | 700 | 80 | |
| | 800 | 443 | |
| | 900 | 1325 | |
| | 1000 | 1396 | |
| | 1100 | 1031 | |
| | 1200 | 699 | |
| | 1300 | 471 | |
| | 1400 | 709 | |
| | 1500 | 520 | |
| | 1600 | 506 | |
| | 1700 | 1001 | |
| | 1800 | 1083 | |
| | 1900 | 451 | |
| 5/12/2000 | 800 | 353 | |
| 0/12/2000 | 900 | 961 | |
| | 1000 | 803 | |
| | 1100 | 742 | |
| | 1200 | 484 | |
| | 1300 | 543 | |
| | 1400 | 549 | |
| | 1500 | 795 | |
| | 1600 | 658 | |
| | 1700 | 581 | |
| | 1800 | 313 | |
| | 1900 | 174 | |
| 5/13/2000 | 800 | 16 | |
| 3/13/2000 | 900 | 509 | |
| | 1000 | 1190 | |
| | 1100 | | |
| | | 2720 | |
| | 1200 | 812 | |
| | 1300 | 623 | |
| | 1400 | 778 | |
| | 1500 | 458 | |
| | 1600 | 324 | |
| | 1700 | 253 | |
| F /4 4 /6 2 2 5 | 1800 | 230 | |
| 5/14/2000 | 800 | 225 | |
| | 900 | 344 | |
| | 1000 | 255 | |
| | | | |

| Hourly Shad | d Counts | that Passed the Conowing | go Fast Fish Lift Veiwing |
|---------------|----------|--------------------------|---------------------------|
| riodily Orlac | 2 Counts | Window | go Edot i ion Ent volwing |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1200 | 171 | |
| | 1300 | 196 | |
| | 1400 | 358 | |
| | 1500 | 296 | |
| | 1600 | 242 | |
| | 1700 | 253 | |
| | 1800 | 205 | |
| | 1900 | 171 | |
| 5/15/2000 | 800 | 9 | |
| | 900 | 75 | |
| | 1000 | 185 | |
| | 1100 | 178 | |
| | 1200 | 225 | |
| | 1300 | 316 | |
| | 1400 | 265 | |
| | 1500 | 442 | |
| | 1600 | 491 | |
| | 1700 | 570 | |
| | 1800 | 519 | |
| | 1900 | 80 | |
| 5/16/2000 | 800 | 71 | |
| | 900 | 136 | |
| | 1000 | 144 | |
| | 1100 | 140 | |
| | 1200 | 373 | |
| | 1300 | 504 | |
| | 1400 | 554 | |
| | 1500 | 555 | |
| | 1600 | 458 | |
| | 1700 | 302 | |
| | 1800 | 285 | |
| | 1900 | 78 | |
| 5/17/2000 | 800 | 7 | |
| | 900 | 145 | |
| | 1000 | 206 | |
| | 1100 | 224 | |
| | 1200 | 207 | |
| | 1300 | 316 | |
| | 1400 | 257 | |
| | 1500 | 254 | |
| | 1600 | 301 | |
| | 1700 | 242 | |
| | 1800 | 189 | |
| 5/18/2000 | 800 | 31 | |
| | 900 | 93 | |
| | 1000 | 228 | |
| | 1100 | 259 | |
| | 1200 | 277 | |
| | 1300 | 286 | |

| _ | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1400 | 277 | |
| | 1500 | 256 | |
| | 1600 | 196 | |
| | 1700 | 199 | |
| | 1800 | 216 | |
| 5/19/2000 | 800 | 3 | |
| | 900 | 0 | |
| | 1000 | 72 | |
| | 1100 | 124 | |
| | 1200 | 221 | |
| | 1300 | 182 | |
| | 1400 | 194 | |
| | 1500 | 144 | |
| | 1600 | 80 | |
| | 1700 | 112 | |
| | 1800 | 85 | |
| | 1900 | 29 | |
| 5/20/2000 | 800 | 14 | |
| | 900 | 43 | |
| | 1000 | 109 | |
| | 1100 | 137 | |
| | 1200 | 124 | |
| | 1300 | 140 | |
| | 1400 | 107 | |
| | 1500 | 74 | |
| | 1600 | 56 | |
| | 1700 | 84 | |
| | 1800 | 48 | |
| | 1900 | 27 | |
| 5/21/2000 | 800 | 10 | |
| | 900 | 53 | |
| | 1000 | 58 | |
| | 1100 | 152 | |
| | 1200 | 155 | |
| | 1300 | 186 | |
| | 1400 | 236 | |
| | 1500 | 236 | |
| | 1600 | 116 | |
| | 1700 | 114 | |
| | 1800 | 52 | |
| 5/22/2000 | 800 | 1 | |
| | 900 | 33 | |
| | 1000 | 28 | |
| | 1100 | 46 | |
| | 1200 | 80 | |
| | 1300 | 103 | |
| | 1400 | 76 | |
| | 1500 | 55 | |
| | 1600 | 62 | |

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
|-----------|--------------|----------------------------|-----------------------|
| Date | 1700 | 48 | Oizzaid Oilad i assed |
| | 1800 | 63 | |
| | 1900 | 8 | |
| 5/23/2000 | 1000 | 3 | |
| 3/23/2000 | 1100 | 2 | |
| | 1200 | 20 | |
| | 1300 | 28 | |
| | 1400 | 29 | |
| | 1500 | 58 | |
| | 1600 | 71 | |
| | 1700 | 51 | |
| | | 39 | |
| 5/24/2000 | 1800 | | |
| J/24/2UUU | 800 900 | 1 21 | |
| | 1000 | 48 | |
| | 1100 | 114 | |
| | 1200 | 197 | |
| | 1300 | 189 | |
| | 1400 | 211 | |
| | | | |
| | 1500 | 100 | |
| | 1600 | 120 | |
| F/2F/2000 | 1700 | 41 | |
| 5/25/2000 | 900 | 4 | |
| | 1000 | 25 | |
| | 1100 | 80 | |
| | 1200 | 140 | |
| | 1300 | 100 | |
| | 1400 | 162 | |
| | 1500 1600 | 124 141 | |
| | 1700 | 150 | |
| | | | |
| 5/26/2000 | 1800 | 92 5 | |
| 5/26/2000 | 800 900 | 3 | |
| | 1000 | 0 | |
| | | | |
| | 1100 | 1 | |
| | 1200 | | |
| | 1300 | 0 | |
| | 1400 | 3 | |
| E/20/2000 | 1500 | 1 | |
| 5/30/2000 | 1200 | 2 5 | |
| | 1300 | 11 | |
| | 1400 | | |
| | 1500 | 10 | |
| | 1600 | 22 | |
| | 1700 | 11 | |
| E/04/0000 | 1800 | 13 | |
| 5/31/2000 | 1100 1200 | 7 | |

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Pass |
|----------|--------------|-----------------------------|-------------------|
| Date | 1300 | 13 | Olera Grida i doc |
| | 1400 | 23 | |
| | 1500 | 34 | |
| | 1600 | 25 | |
| | 1700 | 35 | |
| | 1800 | 4 | |
| 6/1/2000 | 1000 | 2 | |
| | 1100 | 4 | |
| | 1200 | 11 | |
| | 1300 | 26 | |
| | 1400 | 44 | |
| | 1500 | 20 | |
| | 1600 | 47 | |
| | 1700 | 37 | |
| | 1800 | 17 | |
| 5/2/2000 | 1000 | 5 | |
| | 1100 | 13 | |
| | 1200 | 47 | |
| | 1300 | 37 | |
| | 1400 | 62 | |
| | 1500 | 60 | |
| | 1600 | 72 | |
| | 1700 | 39 | |
| | 1800 | 12 | |
| 6/3/2000 | 1100 | 11 | |
| | 1200 | 36 | |
| | 1300 | 30 | |
| | 1400 | 46 | |
| | 1500 | 35 | |
| | 1600 | 32 | |
| | 1700 | 53 | |
| | 1800 | 37 | |
| 6/4/2000 | 1100 | 94 | |
| | 1200 | 129 | |
| | 1300 | 280 | |
| | 1400 | 106 | |
| | 1500 | 153 | |
| | 1600 | 147 | |
| | 1700 | 115 | |
| | 1800 | 65 | |
| 5/5/2000 | 1100 | 94 | |
| | 1200 | 90 | |
| | 1300 | 145 | |
| | 1400 | 798 | |
| | 1500 | 122 | |
| | 1600 | 107 | |
| | 1700 | 48 | |
| 6/6/2000 | 1800 1100 | 23 29 | |

| Hourly Shad | d Counts t | that Passed the Conowing Window | go East Fish Lift Veiwing |
|-------------|------------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1200 | 22 | |
| | 1300 | 182 | |
| | 1400 | 88 | |
| | 1500 | 95 | |
| | 1600 | 68 | |
| | 1700 | 48 | |
| | 1800 | 40 | |
| 6/7/2000 | 1100 | 10 | |
| | 1200 | 45 | |
| | 1300 | 91 | |
| | 1400 | 126 | |
| | 1500 | 112 | |
| | 1600 | 103 | |
| | 1700 | 87 | |
| | 1800 | 17 | |
| 6/8/2000 | 1200 | 15 | |
| | 1300 | 70 | |
| | 1400 | 46 | |
| | 1500 | 54 | |
| | 1600 | 43 | |
| | 1700 | 63 | |
| 6/9/2000 | 1000 | 9 | |
| | 1100 | 55 | |
| | 1200 | 29 | |
| | 1300 | 45 | |
| | 1400 | 31 | |
| | 1500 | 17 | |
| | 1600 | 13 | |
| | 1700 | 5 | |

| D-4- | 11 | Window | Oi Obsad Dassa |
|-------------|----------|--------------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1700 | 452 | 2000 |
| | 1800 | 469 | 1640 |
| 4/00/0004 | 1900 | 172 | 109 |
| 4/29/2001 | 800 | 80 | 56 |
| | 900 | 79 | 1178 |
| | 1000 | 154 | 826 |
| | 1100 | 447 | 1550 |
| | 1200 | 627 | 827 |
| | 1300 | 1159 | 655 |
| | 1400 | 3800 | 750 |
| | 1500 | 3300 | 1200 |
| | 1600 | 2013 | 4000 |
| | 1700 | 1490 | 3927 |
| | 1800 | 1086 | 1022 |
| 4/30/2001 | 800 | 333 | 33 |
| | 900 | 278 | 789 |
| | 1000 | 766 | 1088 |
| | 1100 | 1276 | 2313 |
| | 1200 | 1764 | 1350 |
| | 1300 | 649 | 1762 |
| | 1400 | 566 | 2086 |
| | 1500 | 385 | 2590 |
| | 1600 | 509 | 2120 |
| | 1700 | 710 | 1940 |
| | 1800 | 534 | 2320 |
| 5/1/2001 | 800 | 298 | 880 |
| | 900 | 1358 | 3149 |
| | 1000 | 2350 | 1940 |
| | 1100 | 1624 | 1032 |
| | 1200 | 1782 | 1577 |
| iewing wa | s stoppe | ed due to the tagging of | shad for telemetry |
| F /0 /000 4 | 000 | 200 | 0.47 |
| 5/2/2001 | 800 | 600 | 247 |
| | 900 | 2064 | 2190 |
| | 1000 | 2865 | 550 |
| | 1100 | 2405 | 376 |
| | 1200 | 2300 | 436 |
| | 1300 | 1542 | 1882 |
| | 1400 | 1113 | 2260 |
| | 1500 | 736 | 2204 |
| | 1600 | 790 | 1960 |
| | 1700 | 734 | 1780 |
| | 1800 | 475 | 1590 |
| 5/3/2001 | 800 | 207 | 570 |
| | 900 | 532 | 1234 |
| | 1000 | 1899 | 1303 |

| | | Window | |
|------------|-----------|--------------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1100 | 2457 | 1200 |
| | 1200 | 1168 | 1100 |
| | 1300 | 322 | 400 |
| /iewing wa | as stoppe | ed due to the tagging of | shad for telemetry |
| 5/4/2001 | 800 | 44 | 29 |
| 0/ 1/2001 | 900 | 307 | 695 |
| | 1000 | 3100 | 1820 |
| | 1100 | 4400 | 1250 |
| | 1200 | 4640 | 900 |
| | 1300 | 4050 | 300 |
| | 1400 | 3010 | 2290 |
| | 1500 | 2100 | 3220 |
| | 1600 | 1140 | 2780 |
| | 1700 | 730 | 2310 |
| | 1800 | 590 | 810 |
| 5/5/2001 | 800 | 559 | 850 |
| 3/3/2001 | 900 | 1143 | 1275 |
| | 1000 | 1685 | 1150 |
| | 1100 | | 1500 |
| | | 1972 | |
| | 1200 | 2341 | 2200 |
| | 1300 | 2486 | 1800 |
| | 1400 | 2133 | 1250 |
| | 1500 | 2211 | 800 |
| | 1600 | 4003 | 800 |
| | 1700 | 3895 | 1000 |
| | 1800 | 2609 | 900 |
| F /0 /0004 | 1900 | 1378 | 450 |
| 5/6/2001 | 800 | 1244 | 2200 |
| | 900 | 1965 | 1800 |
| | 1000 | 2258 | 2000 |
| | 1100 | 2489 | 2300 |
| | 1200 | 3216 | 3200 |
| | 1300 | 1309 | 2000 |
| | 1400 | 1520 | 2120 |
| | 1500 | 1643 | 2950 |
| | 1600 | 1040 | 4500 |
| | 1700 | 777 | 2070 |
| E /2 /0004 | 1800 | 882 | 3400 |
| 5/7/2001 | 800 | 285 | 552 |
| | 900 | 692 | 1300 |
| | 1000 | 876 | 1010 |
| | 1100 | 1058 | 692 |
| | 1200 | 662 | 1000 |
| | 1300 | 681 | 1110 |
| | 1400 | 618 | 1360 |
| | 1500 | 417 | 665 |
| | 1600 | 328 | 1340 |
| | 1700 | 235 | 1119 |

| Hourly Shad | d Counts | that Passed the Conowing Window | go East Fish Lift Veiwing |
|---------------|-----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1800 | 100 | 2109 |
| 5/8/2001 | 800 | 72 | 140 |
| | 900 | 282 | 4550 |
| | 1000 | 458 | 5200 |
| | 1100 | 1183 | 5660 |
| | 1200 | 1375 | 3000 |
| | 1300 | 1101 | 2400 |
| | 1400 | 489 | 800 |
| | 1500 | - | - |
| | 1600 | 25 | 28 |
| (-) Viewing | g was sto | opped due to the tagging | g of shad for telemetry |
| 5/9/2001 | 800 | 36 | 93 |
| J/3/2001 | 900 | 287 | 2242 |
| | 1000 | 678 | 2672 |
| | 1100 | 760 | 2540 |
| | 1200 | | |
| | | 831 | 2868 |
| | 1300 | 721 | 2226 |
| | 1400 | 735 | 1082 |
| | 1500 | 601 | 1208 |
| | 1600 | 302 | 1745 |
| | 1700 | 331 | 1631 |
| E/40/2004 | 1800 | 199 | 732 |
| 5/10/2001 | 800 | 613 | 845 |
| | 900 | 662 | 2000 |
| | 1000 | 473 | 2600 |
| | 1100 | 256 | 2280 |
| | 1200 | 145 | 1225 |
| | 1300 | 291 | 1080 |
| | 1400 | 259 | 440 |
| | 1500 | - | - |
| | 1600 | 320 | 620 |
| | 1700 | 592 | 435 |
| | 1800 | 395 | 725 |
| (-) Viewing | g was sto | opped due to the tagging | g of shad for telemetry |
| 5/11/2001 | 800 | 150 | 44 |
| 2, 2001 | 900 | 304 | 1495 |
| | 1000 | 562 | 3250 |
| | 1100 | 551 | 3560 |
| | 1200 | 786 | 2270 |
| | 1300 | 332 | 243 |
| | 1400 | - | - |
| | 1500 | _ | - |
| | 1600 | 16 | 51 |

| Hourly Shac | Counts | that Passed the Conowing Window | go East Fish Lift Velwing |
|-------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 2010 | 1700 | 5 | 5 |
| -) Viewing | | opped due to crowder ca | |
| , , , , , | , was ou | | abio brokom no mito |
| 5/12/2001 | 800 | 242 | 376 |
| 0, 12,2001 | 900 | 522 | 3170 |
| | 1000 | 560 | 2820 |
| | 1100 | 632 | 2180 |
| | 1200 | 717 | 1700 |
| | 1300 | 341 | 740 |
| | 1400 | 578 | 1150 |
| | 1500 | 568 | 1480 |
| | 1600 | 207 | 1120 |
| | 1700 | 627 | 1640 |
| | 1800 | 791 | 1100 |
| 5/13/2001 | 800 | 300 | 180 |
| 3/13/2001 | 900 | 472 | 2750 |
| | 1000 | 643 | 3800 |
| | 1100 | 681 | 3970 |
| | 1200 | 501 | 4900 |
| | 1300 | 337 | 1940 |
| | 1400 | 230 | 2320 |
| | 1500 | 161 | 1940 |
| | 1600 | 254 | 3300 |
| | | 434 | |
| 5/14/2001 | 1700 | | 1090 |
| 5/14/2001 | 800 | 28 | 33 |
| | 900 | 509 | 3784 |
| | 1000 | 333 | 2920 |
| | 1100 | 324 | 1460 |
| | 1200 | 496 | 1710 |
| | 1300 | 306 | 1050 |
| | 1400 | 351 | 950 |
| | 1500 | 409 | 640 |
| | 1600 | 386 | 410 |
| | 1700 | 401 | 490 |
| 5/45/0004 | 1800 | 165 | 360 |
| 5/15/2001 | 700 | 4 | 6 |
| | 800 | 179 | 260 |
| | 900 | 288 | 2200 |
| | 1000 | 449 | 1950 |
| | 1100 | 431 | 2800 |
| | 1200 | 291 | 1300 |
| | 1300 | 241 | 1530 |
| | 1400 | - | - |
| | 1500 | - | - |
| | 1600 | 159 | 1800 |
| | 1700 | 263 | 1500 |
| | 1800 | 53 | 80 |

Hourly Shad Counts that Passed the Conowingo East Fish Lift Veiwing Window

| Window | | | | |
|-------------------|-----------|-------------------------|-------------------------|--|
| Date | Hour | Amercan Shad Passed | | |
| (-) Viewin | g was sto | pped due to the tagging | g of shad for telemetry | |
| E/40/0004 | 000 | 450 | 5.40 | |
| 5/16/2001 | 800 | 158 | 549 | |
| | 900 | 440 | 358 | |
| | 1000 | 414 | 2522 | |
| | 1100 | 445 | 1122 | |
| | 1200 | 383 | 2205 | |
| | 1300 | 319 | 750 | |
| | 1400 | 419 | 1336 | |
| | 1500 | 359 | 670 | |
| | 1600 | 330 | 2578 | |
| | 1700 | 280 | 1080 | |
| 5/47/0004 | 1800 | 130 | 975 | |
| 5/17/2001 | 800 | 30 | 23 | |
| | 900 | 79 | 1418 | |
| | 1000 | 207 | 1204 | |
| | 1100 | 272 | 3209 | |
| | 1200 | 309 | 808 | |
| | 1300 | 317 | 1295 | |
| | 1400 | - | - | |
| | 1500 | - | - | |
| | 1600 | 208 | 710 | |
| | 1700 | 302 | 893 | |
| = / / 0 / 0 0 0 / | 1800 | 123 | 65 | |
| 5/18/2001 | 800 | 109 | 1180 | |
| | 900 | 101 | 1300 | |
| | 1000 | 108 | 2190 | |
| | 1100 | 110 | 130 | |
| | 1200 | 88 | 3140 | |
| | 1300 | 167 | 800 | |
| | 1400 | 149 | 930 | |
| | 1500 | 213 | 1270 | |
| | 1600 | 144 | 394 | |
| 5/40/0004 | 1700 | 83 | 563 | |
| 5/19/2001 | 800 | 115 | 620 | |
| | 900 | 16 | 100 | |
| | 1000 | 44 | 1470 | |
| | 1100 | 42 | 700 | |
| | 1200 | 90 | 1311 | |
| | 1300 | 114 | 1037 | |
| | 1400 | 150 | 1515 | |
| | 1500 | 113 | 127 | |
| | 1600 | 194 | 1900 | |
| | 1700 | 355 | 1180 | |
| | 1800 | 183 | 1790 | |
| 5/20/2001 | 800 | 151 | 1030 | |
| | 900 | 52 | 950 | |
| | 1000 | 76 | 1260 | |
| | 1100 | 153 | 1420 | |

| riourly Orlac | 2 Counto | that Passed the Conowing Window | go Edot i lom Emt volwing |
|---------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1200 | 151 | 770 |
| | 1300 | 218 | 960 |
| | 1400 | 222 | 872 |
| | 1500 | 189 | 180 |
| | 1600 | 225 | 280 |
| | 1700 | 255 | 720 |
| 5/21/2001 | 800 | 48 | 42 |
| | 900 | 14 | 209 |
| | 1000 | 46 | 489 |
| | 1100 | 57 | 1501 |
| | 1200 | 134 | 1081 |
| | 1300 | 128 | 938 |
| | 1400 | 135 | 450 |
| | 1500 | 94 | 579 |
| | 1600 | 110 | 777 |
| | 1700 | 58 | 420 |
| 5/22/2001 | 800 | 53 | 0 |
| | 900 | 22 | 560 |
| | 1000 | 162 | 1120 |
| | 1100 | 268 | 300 |
| | 1200 | 216 | 720 |
| | 1300 | 344 | 510 |
| | 1400 | 106 | 350 |
| | 1500 | 216 | 1491 |
| | 1600 | 131 | 729 |
| | 1700 | 40 | 270 |
| | 1800 | 7 | 240 |
| 5/23/2001 | 800 | 54 | 50 |
| | 900 | 47 | 320 |
| | 1000 | 271 | 925 |
| | 1100 | 214 | 905 |
| | 1200 | 134 | 880 |
| | 1300 | - | - |
| | 1400 | - | - |
| | 1500 | 185 | 510 |
| | 1600 | 137 | 60 |
| | 1700 | 73 | 460 |
| | 1800 | 14 | 40 |
| (-) Viewing | | opped due to the taggin | |
| | | | |
| 5/24/2001 | 700 | 6 | 0 |
| | 800 | 39 | 20 |
| | 900 | 21 | 80 |
| | 1000 | 51 | 120 |
| | 1100 | 125 | 230 |
| | 1200 | 78 | 170 |
| | 1300 | 87 | 210 |

| Doto | Цоль | Window | Cizzard Chad Dagged |
|--------------|--|---|---|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1400 | 84 | 80 |
| | 1500 | 58 | 70 |
| | 1600 | 109 | 60 |
| | 1700 | 52 | 100 |
| 5/25/2001 | 800 | 8 | 52 |
| | 900 | 23 | 177 |
| | 1000 | 37 | 371 |
| | 1100 | 71 | 460 |
| | 1200 | 98 | 253 |
| | 1300 | 140 | 319 |
| | 1400 | 115 | 183 |
| | 1500 | 57 | 231 |
| | 1600 | 48 | 145 |
| | 1700 | 14 | 96 |
| 5/26/2001 | 1000 | 36 | 2 |
| | 1100 | 17 | 190 |
| | 1200 | 46 | 340 |
| | 1300 | 20 | 390 |
| | 1400 | 27 | 16 |
| | 1500 | 88 | 230 |
| | 1600 | 72 | 280 |
| | 1700 | 138 | 70 |
| 5/27/2001 | 1000 | 0 | 0 |
| | 1100 | 12 | 3 |
| | 1600 | 13 | 11 |
| Late Start C | iue to no | pper door cyclinder ben | t. Fixed at 1500. |
| | | | |
| 5/28/2001 | 1000 | 0 | 16 |
| 5/28/2001 | 1000 | 0 34 | |
| 5/28/2001 | 1100 | 34 | 467 |
| 5/28/2001 | 1100 1200 | 34 80 | 467 1457 |
| 5/28/2001 | 1100 1200 1300 | 34 | 467 1457 1198 |
| 5/28/2001 | 1100 1200 1300 1400 | 34 80 56 | 467 1457 |
| 5/28/2001 | 1100 1200 1300 1400 1500 | 34 80 56 67 | 467 1457 1198 247 380 |
| 5/28/2001 | 1100 1200 1300 1400 1500 1600 | 34 80 56 67 34 12 | 467 1457 1198 247 380 293 |
| | 1100 1200 1300 1400 1500 1600 1700 | 34 80 56 67 34 12 29 | 467 1457 1198 247 380 293 162 |
| 5/28/2001 | 1100 1200 1300 1400 1500 1600 1700 | 34 80 56 67 34 12 29 24 | 467 1457 1198 247 380 293 162 135 |
| | 1100 1200 1300 1400 1500 1600 1700 1000 1100 | 34 80 56 67 34 12 29 24 | 467 1457 1198 247 380 293 162 135 |
| | 1100 1200 1300 1400 1500 1600 1700 1000 1100 1200 | 34 80 56 67 34 12 29 24 18 | 467 1457 1198 247 380 293 162 135 81 1259 |
| | 1100 1200 1300 1400 1500 1600 1700 1000 1100 1200 1300 | 34 80 56 67 34 12 29 24 18 54 | 467 1457 1198 247 380 293 162 135 81 1259 1036 |
| | 1100 1200 1300 1400 1500 1600 1700 1000 1100 1200 1300 1400 | 34 80 56 67 34 12 29 24 18 54 120 80 | 467 1457 1198 247 380 293 162 135 81 1259 1036 201 |
| | 1100 1200 1300 1400 1500 1600 1700 1000 1100 1200 1300 1400 1500 | 34 80 56 67 34 12 29 24 18 54 120 80 21 | 467 1457 1198 247 380 293 162 135 81 1259 1036 201 78 |
| | 1100 1200 1300 1400 1500 1600 1700 1000 1100 1200 1300 1400 1500 1600 | 34 80 56 67 34 12 29 24 18 54 120 80 21 37 | 467 1457 1198 247 380 293 162 135 81 1259 1036 201 78 309 |
| 5/29/2001 | 1100 1200 1300 1400 1500 1600 1700 1000 1100 1200 1300 1400 1500 1600 1700 | 34 80 56 67 34 12 29 24 18 54 120 80 21 37 | 467 1457 1198 247 380 293 162 135 81 1259 1036 201 78 309 291 |
| 5/29/2001 | 1100 1200 1300 1400 1500 1600 1700 1000 1200 1300 1400 1500 1600 1700 | 34 80 56 67 34 12 29 24 18 54 120 80 21 37 14 27 | 467 1457 1198 247 380 293 162 135 81 1259 1036 201 78 309 291 20 |
| 5/29/2001 | 1100 1200 1300 1400 1500 1600 1700 1100 1200 1300 1400 1500 1600 1700 1000 1100 | 34 80 56 67 34 12 29 24 18 54 120 80 21 37 14 27 68 | 467 1457 1198 247 380 293 162 135 81 1259 1036 201 78 309 291 20 100 |
| | 1100 1200 1300 1400 1500 1600 1700 1000 1100 1300 1400 1500 1600 1700 1000 1100 | 34 80 56 67 34 12 29 24 18 54 120 80 21 37 14 27 68 92 | 467 1457 1198 247 380 293 162 135 81 1259 1036 201 78 309 291 20 100 144 |
| 5/29/2001 | 1100 1200 1300 1400 1500 1600 1700 1100 1200 1300 1400 1500 1600 1700 1000 1100 | 34 80 56 67 34 12 29 24 18 54 120 80 21 37 14 27 68 | 467 1457 1198 247 380 293 162 135 81 1259 1036 201 78 309 291 20 100 |

| Hourly Shac | 1 Counts | that Passed the Conowing | no Fast Fish Lift Veiwing |
|-----------------|----------|--------------------------|-----------------------------|
| li lourly oriac | | Window | go Lasti isii Liit veiwilig |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1600 | 30 | 122 |
| | 1700 | 2 | 29 |
| 5/31/2001 | 1000 | 15 | 0 |
| | 1100 | 15 | 0 |
| | 1200 | 29 | 0 |
| | 1300 | 20 | 5 |
| | 1400 | 32 | 0 |
| | 1500 | 15 | 0 |
| | 1600 | 6 | 30 |
| 6/1/2001 | 1000 | 4 | 7 |
| | 1100 | 113 | 31 |
| | 1200 | 143 | 44 |
| | 1300 | 70 | 16 |
| | 1400 | 25 | 34 |
| | 1500 | 21 | 46 |
| | 1600 | 28 | 52 |
| | 1700 | 10 | 24 |
| 6/2/2001 | 1000 | 3 | 0 |
| | 1100 | 22 | 0 |
| | 1200 | 100 | 0 |
| | 1300 | 85 | 530 |
| | 1400 | 100 | 0 |
| | 1500 | 35 | 0 |
| | 1600 | 20 | 0 |
| | 1700 | 31 | 0 |
| 6/3/2001 | 1000 | 6 | 4 |
| | 1100 | 54 | 10 |
| | 1200 | 45 | 46 |
| | 1300 | 52 | 83 |
| | 1400 | 16 | 97 |
| | 1500 | 76 | 16 |
| | 1600 | 40 | 70 |
| | 1700 | 8 | 11 |
| 6/4/2001 | 1000 | 6 | 3 |
| | 1100 | 11 | 38 |
| | 1200 | 33 | 542 |
| | 1300 | 5 | 1055 |
| | 1400 | 11 | 1078 |
| 6/6/2001 | 1000 | 3 | 0 |
| | 1100 | 8 | 1123 |
| | 1200 | 12 | 0 |
| | 1300 | 9 | 0 |

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
|-----------|------|----------------------------|----------------------|
| Date | Houi | | Gizzaiù Silau Fasseu |
| | | 2002 | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 4/8/2002 | 1200 | 0 | 3465 |
| | 1300 | 0 | 226 |
| | 1400 | 0 | 96 |
| | 1500 | 0 | 16 |
| | 1600 | 0 | 20 |
| 4/10/2002 | 1200 | 0 | 124 |
| | 1300 | 2 | 31 |
| | 1400 | 6 | 10 |
| | 1500 | 14 | 6 |
| | 1600 | 20 | 1 |
| | 1700 | 22 | 2 |
| 4/12/2002 | 1100 | 0 | 1850 |
| | 1200 | 0 | 702 |
| | 1300 | 34 | 207 |
| | 1400 | 83 | 125 |
| | 1500 | 304 | 729 |
| | 1600 | 333 | 1065 |
| | 1700 | 315 | 1196 |
| | 1800 | 454 | 885 |
| 4/13/2002 | 1100 | 142 | 127 |
| | 1200 | 27 | 2494 |
| | 1300 | 103 | 396 |
| | 1400 | 187 | 43′ |
| | 1500 | 354 | 145 |
| | 1600 | 404 | 66 |
| | 1700 | 350 | 109 |
| | 1800 | 560 | 140 |
| 4/14/2002 | 1000 | 21 | (|
| | 1100 | 122 | 111 |
| | 1200 | 102 | 68 |
| | 1300 | 466 | 3′ |
| | 1400 | 395 | 7 |
| | 1500 | 533 | 4 |
| | 1600 | 539 | (|
| | 1700 | 359 | 2 |
| | 1800 | 431 | 4 |
| 4/15/2002 | 1100 | 38 | 942 |
| | 1200 | 65 | 96 |
| | 1300 | 176 | 1042 |
| | 1400 | 227 | 756 |
| | 1500 | 131 | 63 |
| | 1600 | 128 | 540 |
| | 1700 | 202 | 252 |
| | 1800 | 348 | 1257 |
| 4/16/2002 | 800 | 145 | 9′ |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 900 | 143 | 245 |
| | 1000 | 705 | 873 |
| | 1100 | 274 | 810 |
| | 1200 | 269 | 1375 |
| | 1300 | 118 | 21 |
| | 1400 | 25 | 13 |
| | 1500 | 18 | 14 |
| | 1600 | 41 | 1715 |
| | 1700 | 391 | 1478 |
| | 1800 | 470 | 788 |
| 4/17/2002 | 1100 | 268 | 2600 |
| | 1200 | 37 | 4591 |
| | 1300 | 23 | 4475 |
| | 1400 | 10 | 2020 |
| | 1500 | 15 | 2194 |
| | 1600 | 20 | 1894 |
| | 1700 | 38 | 1029 |
| 4/18/2002 | 800 | 15 | 131 |
| | 900 | 12 | 2741 |
| | 1000 | 18 | 3675 |
| | 1100 | 8 | 2144 |
| | 1200 | 13 | 2139 |
| | 1300 | 4 | 1335 |
| | 1400 | 4 | 1401 |
| | 1500 | 12 | 1806 |
| | 1600 | 10 | 205 |
| 4/19/2002 | 700 | 2 | 210 |
| | 800 | 0 | 2755 |
| | 900 | 2 | 6430 |
| | 1000 | 11 | 4200 |
| | 1100 | 6 | 3260 |
| | 1200 | 14 | 280 |
| | 1300 | 0 | (|
| | 1400 | 5 | 367 |
| | 1500 | 42 | 3057 |
| 4/20/2002 | 1100 | 2 | 1512 |
| | 1200 | 0 | (|
| | 1300 | 4 | 1613 |
| | 1400 | 6 | 5873 |
| | 1500 | 87 | 2148 |
| | 1600 | 300 | 1385 |
| | 1700 | 276 | 2584 |
| | 1800 | 385 | 1773 |
| 4/21/2002 | 1100 | 111 | 2770 |
| | 1200 | 448 | 2771 |
| | 1300 | 1002 | 3470 |
| | 1400 | 1129 | 2840 |
| | 1500 | 738 | 2073 |
| | 1600 | 486 | 1988 |

| Hourly Shac | I Counts | that Passed the Conowing | no Fast Fish Lift Vaiwing |
|-------------|----------|--------------------------|---------------------------|
| | | Window | - |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1700 | 854 | 2519 |
| | 1800 | 531 | 1445 |
| 4/22/2002 | 1100 | 110 | 1473 |
| | 1200 | 42 | 1958 |
| | 1300 | 17 | 1955 |
| | 1400 | 31 | 2066 |
| | 1500 | 37 | 1823 |
| | 1600 | 21 | 1604 |
| | 1700 | 16 | 1602 |
| 4/23/2002 | 1100 | 6 | 183 |
| | 1200 | 9 | 3091 |
| | 1300 | 5 | 1482 |
| | 1400 | 43 | 1087 |
| | 1500 | 45 | 1875 |
| | 1600 | 28 | 702 |
| 4/24/2002 | 1100 | 51 | 1866 |
| | 1200 | 380 | 3203 |
| | 1300 | 836 | 2437 |
| | 1400 | 1052 | 2200 |
| | 1500 | 423 | 1899 |
| | 1600 | 150 | 1188 |
| | 1700 | 275 | 1984 |
| | 1800 | 579 | 1433 |
| 4/25/2002 | 800 | 59 | 70 |
| 4/23/2002 | 900 | 83 | 1762 |
| | 1000 | 36 | 870 |
| | 1100 | 133 | 619 |
| | 1200 | 112 | 1430 |
| | 1300 | 206 | |
| | | 186 | 683 |
| | 1400 | | 410 |
| | 1500 | 123 | 495 |
| | 1600 | 271 | 681 |
| | 1700 | 368 | 387 |
| 4/00/0000 | 1800 | 252 | 0 |
| 4/26/2002 | 800 | 49 | 7 |
| | 900 | 22 | 851 |
| | 1000 | 34 | 810 |
| | 1100 | 55 | 410 |
| | 1200 | 81 | 240 |
| | 1300 | 55 | 220 |
| | 1400 | 180 | 180 |
| | 1500 | 175 | 240 |
| | 1600 | 116 | 190 |
| | 1700 | 181 | 423 |
| | 1800 | 196 | 290 |
| 4/27/2002 | 800 | 55 | 87 |
| | 900 | 165 | 694 |
| | 1000 | 450 | 1300 |
| | 1100 | 457 | 1495 |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1200 | 535 | 1280 |
| | 1300 | 864 | 800 |
| | 1400 | 90 | 128 |
| | 1500 | 16 | 13 |
| | 1600 | 63 | 3 |
| 4/28/2002 | 900 | 210 | 10 |
| | 1000 | 136 | 4 |
| | 1100 | 48 | 4 |
| 4/29/2002 | 1000 | 5 | (|
| | 1100 | 8 | (|
| | 1200 | 1 | (|
| 4/30/2002 | 800 | 54 | 2415 |
| | 900 | 12 | 1718 |
| | 1000 | 21 | 2088 |
| | 1100 | 64 | 3987 |
| | 1200 | 104 | 1143 |
| | 1300 | 139 | 1276 |
| | 1400 | 112 | 527 |
| | 1500 | 104 | 551 |
| | 1600 | 228 | 1246 |
| | | | |
| | 1700 | 257 | 613 |
| F/4/0000 | 1800 | 160 | 535 |
| 5/1/2002 | 800 | 0 | 25 |
| | 900 | 62 | 1307 |
| | 1000 | 9 | 1600 |
| | 1100 | 18 | 596 |
| | 1200 | 64 | 472 |
| | 1300 | 75 | 639 |
| | 1400 | 92 | 495 |
| | 1500 | 97 | 127 |
| | 1600 | 59 | 643 |
| | 1700 | 90 | 865 |
| | 1800 | 80 | 1130 |
| 5/2/2002 | 800 | 6 | 52 |
| | 900 | 64 | 2294 |
| | 1000 | 13 | 3327 |
| | 1100 | 14 | 1692 |
| | 1200 | 34 | 1197 |
| | 1300 | 26 | 1457 |
| | 1400 | 60 | 527 |
| | 1500 | 79 | 448 |
| | 1600 | 93 | 1414 |
| | 1700 | 69 | 826 |
| | 1800 | 139 | 546 |
| 5/3/2002 | 800 | 4 | 11 |
| | 900 | 25 | 1474 |
| | 1000 | 4 | 1264 |
| | 1100 | 0 | 1309 |
| | 1200 | 3 | 305 |

| Hourly Shad | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------|--------------|-----------------------------|---------------------------|
| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
| Date | 1300 | 2 | 360 |
| | 1400 | 34 | 547 |
| | 1500 | 14 | 1410 |
| | 1600 | 35 | 1417 |
| 5/4/2002 | 800 | 7 | 148 |
| 3/4/2002 | 900 | 17 | 6624 |
| | 1000 | 0 | 3440 |
| | 1100 | 0 | 2750 |
| | 1200 | 0 | 630 |
| | 1300 | 35 | 1590 |
| | 1400 | 71 | 1834 |
| | 1500 | 132 | 4970 |
| | 1600 | 149 | 5770 |
| | 1700 | 284 | 4320 |
| | 1800 | 743 | 3450 |
| | 1900 | 251 | 2480 |
| 5/5/2002 | 800 | 41 | 53 |
| 3/3/2002 | 900 | 119 | 4348 |
| | 1000 | 13 | 1620 |
| | 1100 | 28 | 1075 |
| | 1200 | 86 | 1889 |
| | | | |
| | 1300 1400 | 210 240 | 961 632 |
| | 1500 | 180 | |
| | | 122 | 406 |
| | 1600 | | 691 |
| | 1700 | 109 | 449 |
| 5/6/2002 | 1800 | 76 1 | 519 22 |
| 5/6/2002 | 800 | 36 | |
| | 900 | 90 | 2935 |
| | 1000 1100 | 109 | 5502 3144 |
| | 1200 | 409 | 2550 |
| | 1300 | | |
| | 1400 | 406 286 | 1020 2040 |
| | 1500 | 203 | 1040 |
| | 1600 | 266 | 994 |
| | 1700 | 359 | 2150 |
| | 1800 | 546 | 991 |
| E/7/2002 | | | |
| 5/7/2002 | 800 900 | 78 152 | 29 2887 |
| | 1000 | 197 | 2303 |
| | 1100 | 126 | 1809 |
| | 1200 | 303 | 3338 |
| | 1300 | 330 | |
| | 1400 | 534 | 2245 |
| | | | |
| | 1500 | 577 | 730 |
| | 1600 | 455 | 2035 |
| | 1700 | 363 | 990 790 |
| | 1800 | 932 | |

| | 10 (| 4 . D . L . D | E . E . I . W. V |
|-------------|------|------------------------------------|---------------------|
| Hourly Shad | | that Passed the Conowing Window | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 5/8/2002 | 800 | 142 | 785 |
| | 900 | 448 | 1250 |
| | 1000 | 929 | 700 |
| | 1100 | 1314 | 850 |
| | 1200 | 1317 | 745 |
| | 1300 | 2183 | 1859 |
| | 1400 | 1274 | 516 |
| | 1500 | 1277 | 1018 |
| | 1600 | 917 | 1041 |
| | 1700 | 979 | 787 |
| | 1800 | 1220 | 751 |
| | 1900 | 323 | 14 |
| 5/9/2002 | 800 | 76 | 6 |
| | 900 | 123 | 2782 |
| | 1000 | 166 | 2764 |
| | 1100 | 344 | 1742 |
| | 1200 | 391 | 1001 |
| | 1300 | 629 | 2685 |
| | 1400 | 596 | 1164 |
| | 1500 | 690 | 1586 |
| | 1600 | 719 | 1111 |
| | 1700 | 678 | 419 |
| | 1800 | 271 | 754 |
| 5/10/2002 | 800 | 217 | 1075 |
| | 900 | 80 | 2910 |
| | 1000 | 84 | 3180 |
| | 1100 | 78 | 980 |
| | 1200 | 342 | 1270 |
| | 1300 | 702 | 1080 |
| | 1400 | 461 | 1230 |
| | 1500 | 686 | 1550 |
| | 1600 | 460 | 1220 |
| | 1700 | 245 | 640 |
| | 1800 | 630 | 1110 |
| | 1900 | 260 | 740 |
| 5/11/2002 | 800 | 58 | 622 |
| | 900 | 265 | 2105 |
| | 1000 | 865 | 1858 |
| | 1100 | 1634 | 1930 |
| | 1200 | 1309 | 811 |
| | 1300 | 1714 | 2528 |
| | 1400 | 1282 | 2504 |
| | 1500 | 1141 | 1939 |
| | 1600 | 903 | 1630 |
| | 1700 | 845 | 1183 |
| | 1800 | 1025 | 809 |
| | 1900 | 654 | 497 |
| 5/12/2002 | 800 | 95 | 530 |
| 5, 12,2002 | 900 | 728 | 3090 |

| Hourly Shad Counts that Passed the Conowingo East Fish Lift Veiwin Window | | | | |
|---|------|---------------------|---------------------|--|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed | |
| | 1000 | 1144 | 3690 | |
| | 1100 | 1250 | 2420 | |
| | 1200 | 1622 | 2400 | |
| | 1300 | 958 | 1400 | |
| | 1400 | 1055 | 1320 | |
| | 1500 | 1202 | 1070 | |
| | 1600 | 1093 | 970 | |
| | 1700 | 1067 | 860 | |
| | 1800 | 706 | 900 | |
| | 1900 | 222 | 120 | |
| 5/13/2002 | 800 | 176 | 1030 | |
| | 900 | 315 | 1662 | |
| | 1000 | 687 | 2173 | |
| | 1100 | 618 | 1906 | |
| | 1200 | 426 | 832 | |
| | 1300 | 651 | 1245 | |
| | 1400 | 317 | 704 | |
| | 1500 | 194 | 533 | |
| | 1600 | 96 | 342 | |
| | 1700 | 12 | 26 | |
| 5/14/2002 | 800 | 28 | 1080 | |
| | 900 | 55 | 1656 | |
| | 1000 | 44 | 2090 | |
| | 1100 | 60 | 60 | |
| | 1200 | 33 | 33 | |
| | 1300 | 65 | 1535 | |
| | 1400 | 74 | 892 | |
| | 1500 | 74 | 1112 | |
| | 1600 | 63 | 862 | |
| | 1700 | 29 | 100 | |
| 5/23/2002 | 800 | 0 | C | |
| | 900 | 0 | 5020 | |
| | 1000 | 0 | 2100 | |
| | 1100 | 1 | 1600 | |
| | 1200 | 0 | 1600 | |
| | 1300 | 0 | 780 | |
| 5/24/2002 | 900 | 0 | 2410 | |
| | 1000 | 0 | 4830 | |
| | 1100 | 0 | 4575 | |
| | 1200 | 11 | 4290 | |
| | 1300 | 72 | 3280 | |
| | 1400 | 82 | 3980 | |
| | 1500 | 92 | 3530 | |
| | 1600 | 35 | 1430 | |
| 5/25/2002 | 800 | 35 | 220 | |
| | 900 | 14 | 143 | |
| | 1000 | 160 | 358 | |
| | 1100 | 223 | 969 | |
| | 1200 | 201 | 1951 | |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1300 | 357 | 582 |
| | 1400 | 204 | 74 |
| | 1500 | 201 | 650 |
| | 1600 | 171 | 70- |
| | 1700 | 143 | 639 |
| | 1800 | 56 | 700 |
| 5/26/2002 | 800 | 86 | 119 |
| | 900 | 118 | 41 |
| | 1000 | 237 | 101 |
| | 1100 | 462 | 68 |
| | 1200 | 610 | 94 |
| | 1300 | 460 | 118 |
| | 1400 | 500 | 54 |
| | 1500 | 232 | 81 |
| | 1600 | 149 | 49 |
| | 1700 | 98 | 94 |
| | 1800 | 94 | 4 |
| 5/27/2002 | 800 | 53 | 2 |
| | 900 | 33 | 60 |
| | 1000 | 73 | 28 |
| | 1100 | 188 | 36 |
| | 1200 | 193 | 10 |
| | 1300 | 146 | 104 |
| | 1400 | 251 | 5 |
| | 1500 | 374 | 114 |
| | 1600 | 301 | 81 |
| | 1700 | 157 | 81 |
| | 1800 | 127 | 42 |
| 5/28/2002 | 800 | 46 | |
| | 900 | 37 | 179 |
| | 1000 | 128 | 202 |
| | 1100 | 421 | 108 |
| | 1200 | 831 | 66 |
| | 1300 | 802 | 115 |
| | 1400 | 456 | 49 |
| | 1500 | 244 | 50 |
| | 1600 | 159 | 37 |
| | 1700 | 73 | 23 |
| 5/29/2002 | 800 | 14 | |
| | 900 | 0 | |
| | 1000 | 0 | |
| | 1100 | 36 | 77 |
| | 1200 | 156 | 45 |
| | 1300 | 253 | 164 |
| | 1400 | 287 | 72 |
| | 1500 | 176 | 114 |
| | 1600 | 116 | 138 |
| | 1700 | 171 | 56 |
| | 1800 | 143 | 48 |

| Hourly Shad | I Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------|----------|--------------------------|---------------------------|
| 5. | | Window | 0: 10: 15 |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 5/30/2002 | 800 | 17 | 15 |
| | 900 | 54 | 433 |
| | 1000 | 119 | 1377 |
| | 1100 | 264 | 725 |
| | 1200 | 218 | 272 |
| | 1300 | 297 | 680 |
| | 1400 | 346 | 255 |
| | 1500 | 197 | 166 |
| | 1600 | 115 | 309 |
| | 1700 | 145 | 137 |
| | 1800 | 135 | 149 |
| 5/31/2002 | 800 | 42 | 4 |
| | 900 | 99 | 825 |
| | 1000 | 269 | 695 |
| | 1100 | 212 | 995 |
| | 1200 | 203 | 705 |
| | 1300 | 118 | 751 |
| | 1400 | 206 | 201 |
| | 1500 | 102 | 247 |
| | 1600 | 54 | 321 |
| 6/1/2002 | 800 | 69 | 71 |
| 0/1/2002 | 900 | 476 | 471 |
| | | 606 | 777 |
| | 1000 | 378 | |
| | 1100 | 225 | 1178 |
| | 1200 | | 859 |
| | 1300 | 188 | 482 |
| | 1400 | 85 | 430 |
| | 1500 | 200 | 873 |
| | 1600 | 251 | 361 |
| | 1700 | 91 | 391 |
| 6/2/2002 | 800 | 18 | 38 |
| | 900 | 216 | 317 |
| | 1000 | 113 | 224 |
| | 1100 | 102 | 224 |
| | 1200 | 82 | 149 |
| | 1300 | 88 | 146 |
| | 1400 | 71 | 74 |
| | 1500 | 38 | 24 |
| | 1600 | 28 | 118 |
| 6/3/2002 | 800 | 0 | 26 |
| | 900 | 60 | 476 |
| | 1000 | 51 | 1071 |
| | 1100 | 33 | 858 |
| | 1200 | 18 | 558 |
| | 1300 | 22 | 111 |
| | 1400 | 43 | 497 |
| | 1500 | 43 | 447 |
| | 1600 | 21 | 318 |
| | | | |
| | 1700 | 21 | 19 |

| Hourly Shad Counts that Passed the Conowingo East Fish Lift Veiwing Window | | | | |
|--|------|---------------------|---------------------|--|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed | |
| 6/4/2002 | 800 | 10 | 32 | |
| | 900 | 38 | 35 | |
| | 1000 | 109 | 154 | |
| | 1100 | 114 | 161 | |
| | 1200 | 88 | 137 | |
| | 1300 | 97 | 505 | |
| | 1400 | 88 | 220 | |
| | 1500 | 43 | 300 | |
| | 1600 | 78 | 371 | |
| 6/5/2002 | 800 | 3 | 15 | |
| | 900 | 31 | 18 | |
| | 1000 | 71 | 52 | |
| | 1100 | 62 | 80 | |
| | 1200 | 93 | 28 | |
| | 1300 | 50 | 11 | |
| | 1400 | 56 | 12 | |
| | 1500 | 19 | 6 | |
| | 1600 | 21 | 24 | |
| 6/6/2002 | 800 | 11 | 4 | |
| | 900 | 75 | 33 | |
| | 1000 | 40 | 9 | |
| | 1100 | 71 | 12 | |
| | 1200 | 60 | 6 | |
| | 1300 | 13 | 21 | |
| | 1400 | 37 | 197 | |
| | 1500 | 11 | 112 | |
| | 1600 | 2 | 64 | |
| 6/7/2002 | 800 | 0 | 31 | |
| | 900 | 22 | 5 | |
| | 1000 | 63 | 29 | |
| | 1100 | 18 | 17 | |
| | 1200 | 25 | 0 | |
| | 1300 | 21 | 20 | |
| | 1400 | 36 | 0 | |

| Hourly Shad | d Counts | that Passed the Conowing Window | go East Fish Lift Veiwing |
|---------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | | 2003 | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 4/15/2003 | 1200 | 0 | 119 |
| | 1300 | 0 | 8 |
| 4/16/2003 | 1000 | 0 | 166 |
| | 1100 | 0 | 123 |
| | 1200 | 0 | 166 |
| | 1300 | 0 | 226 |
| | 1400 | 0 | 72 |
| 4/18/2003 | 900 | 0 | 1 |
| | 1000 | 0 | 1412 |
| | 1100 | 0 | 1769 |
| | 1200 | 0 | 1745 |
| | 1300 | 0 | 1311 |
| | 1400 | 0 | 690 |
| | 1500 | 0 | 567 |
| 4/21/2003 | 1000 | 0 | 3210 |
| | 1100 | 0 | 970 |
| | 1200 | 0 | 322 |
| | 1300 | 0 | 762 |
| | 1400 | 0 | 715 |
| | 1500 | 0 | 958 |
| 4/23/2003 | 1000 | 0 | 659 |
| | 1100 | 0 | 294 |
| | 1200 | 0 | 231 |
| | 1300 | 0 | 293 |
| | 1400 | 0 | 237 |
| | 1500 | 0 | 821 |
| | 1600 | 0 | 1905 |
| 4/25/2003 | 1000 | 0 | 1590 |
| | 1100 | 2 | 1000 |
| | 1200 | 0 | 2004 |
| | 1300 | 2 | 760 |
| | 1400 | 250 | 775 |
| | 1500 | 601 | 577 |
| | 1600 | 384 | 220 |
| | 1700 | 554 | 509 |
| | 1800 | 460 | 550 |
| | 1900 | 152 | 0 |
| 4/26/2003 | 900 | 120 | 6 |
| ., _ 3, _ 000 | 1000 | 24 | 488 |
| | 1100 | 9 | 697 |
| | 1200 | 36 | 899 |
| | 1300 | 79 | 1238 |
| | 1400 | 181 | 604 |
| | 1500 | 275 | 377 |
| | 1600 | 463 | 511 |
| | 1000 | 703 | 311 |

| Hourly Shad | I Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------|----------|-----------------------------|---------------------------|
| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
| Date | 1700 | 402 | 1773 |
| | 1800 | 434 | 943 |
| | 1900 | 158 | 791 |
| 4/27/2003 | 900 | 75 | 33 |
| 4/21/2003 | 1000 | 77 | |
| | 1100 | | 807 |
| | | 30 | |
| | 1200 | 108 | 671 |
| | 1300 | 99 | 133 |
| | 1400 | 165 | 1065 |
| | 1500 | 59 | 1863 |
| | 1600 | 21 | 2064 |
| | 1700 | 34 | 1628 |
| 4/28/2003 | 1000 | 90 | 3490 |
| | 1100 | 100 | 1260 |
| | 1200 | 209 | 845 |
| | 1300 | 455 | 824 |
| | 1400 | 825 | 400 |
| | 1500 | 2127 | 1420 |
| | 1600 | 2275 | 480 |
| | 1700 | 1833 | 530 |
| | 1800 | 1512 | 580 |
| | 1900 | 590 | 365 |
| 4/29/2003 | 800 | 410 | 11 |
| | 900 | 220 | 1202 |
| | 1000 | 147 | 1753 |
| | 1100 | 231 | 2538 |
| | 1200 | 179 | 811 |
| | 1300 | 258 | 1518 |
| | 1400 | 340 | 1274 |
| | 1500 | 525 | 2070 |
| | 1600 | 817 | 2693 |
| | 1700 | 559 | 2810 |
| | 1800 | 463 | 1973 |
| | 1900 | 465 | 2006 |
| 4/30/2003 | 900 | 269 | 924 |
| 4/30/2003 | 1000 | 157 | 1407 |
| | | | |
| | 1100 | 261 | 2136 |
| | 1200 | 319 | 1743 |
| | 1300 | 431 | 2027 |
| | 1400 | 715 | 2180 |
| | 1500 | 925 | 1878 |
| | 1600 | 597 | 763 |
| | 1700 | 785 | 870 |
| | 1800 | 1337 | 512 |
| | 1900 | 600 | 534 |
| 5/1/2003 | 900 | 473 | 300 |
| | 1000 | 306 | 460 |
| | 1100 | 746 | 1080 |
| | 1200 | 1146 | 1270 |

| lourly Shac | | Window | |
|-------------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1300 | 945 | 81 |
| | 1400 | 774 | 46 |
| | 1500 | 727 | 35 |
| | 1600 | 798 | 62 |
| | 1700 | 812 | 61 |
| | 1800 | 562 | 57 |
| | 1900 | 215 | 32 |
| 5/2/2003 | 900 | 804 | 171 |
| | 1000 | 719 | 242 |
| | 1100 | 798 | 157 |
| | 1200 | 939 | 209 |
| | 1300 | 632 | 105 |
| | 1400 | 843 | 150 |
| | 1500 | 1070 | 140 |
| | 1600 | 863 | 132 |
| | 1700 | 727 | 115 |
| | 1800 | 916 | 80 |
| | 1900 | 546 | 4′ |
| 5/3/2003 | 800 | 259 | |
| | 900 | 61 | 92 |
| | 1000 | 52 | 105 |
| | 1100 | 271 | 58 |
| | 1200 | 969 | 150 |
| | 1300 | 1346 | 122 |
| | 1400 | 888 | 72 |
| | 1500 | 553 | 68 |
| | 1600 | 837 | 8′ |
| | 1700 | 1013 | 30 |
| | 1800 | 607 | 73 |
| 5/4/2003 | 800 | 48 | • |
| | 900 | 66 | 29 |
| | 1000 | 50 | 32 |
| | 1100 | 302 | 22 |
| | 1200 | 2031 | |
| | 1300 | 2635 | |
| | 1400 | 2453 | |
| | 1500 | 1935 | 20 |
| | 1600 | 1375 | 22 |
| | 1700 | 1361 | 64 |
| | 1800 | 961 | 96 |
| 5/5/2003 | 800 | 128 | 27 |
| 3/3/2003 | 900 | 273 | 385 |
| | 1000 | 186 | 260 |
| | 1100 | 162 | 209 |
| | 1200 | 156 | 130 |
| | 1300 | 173 | 262 |
| | 1400 | 119 | 183 |
| | 1500 | 98 | 248 |
| | 1600 | 230 | 156 |

| Hourly Shad | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------------|----------|--------------------------|---------------------------|
| | | Window | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1700 | 283 | 2183 |
| | 1800 | 172 | 1934 |
| | 1900 | 76 | 50 |
| 5/6/2003 | 800 | 13 | 15 |
| | 900 | 38 | 510 |
| | 1000 | 216 | 2258 |
| | 1100 | 662 | 635 |
| | 1200 | 1043 | 2336 |
| | 1300 | 1028 | 1906 |
| | 1400 | 1233 | 2414 |
| | 1500 | 950 | 1618 |
| | 1600 | 889 | 1919 |
| | 1700 | 664 | 1471 |
| | 1800 | 426 | 721 |
| | 1900 | 218 | 2085 |
| 5/7/2003 | 800 | 23 | 18 |
| 0,1,1200 | 900 | 148 | 1005 |
| | 1000 | 374 | 1530 |
| | 1100 | 473 | 1074 |
| | 1200 | 261 | 1915 |
| | 1300 | 358 | 1539 |
| | 1400 | 299 | 1097 |
| | 1500 | 158 | 1724 |
| | 1600 | 113 | 1911 |
| | | | |
| | 1700 | 61 | 1059 |
| | 1800 | 128 | 1319 |
| 5 /0 /0000 | 1900 | 53 | 706 |
| 5/8/2003 | 800 | 29 | 9 |
| | 900 | 101 | 1542 |
| | 1000 | 169 | 915 |
| | 1100 | 157 | 990 |
| | 1200 | 332 | 1601 |
| | 1300 | 279 | 1448 |
| | 1400 | 346 | 766 |
| | 1500 | 289 | 1226 |
| | 1600 | 165 | 2417 |
| | 1700 | 198 | 1881 |
| | 1800 | 352 | 1066 |
| | 1900 | 227 | 977 |
| 5/9/2003 | 800 | 26 | 12 |
| | 900 | 241 | 1584 |
| | 1000 | 553 | 994 |
| | 1100 | 969 | 1632 |
| | 1200 | 734 | 421 |
| | 1300 | 739 | 735 |
| | 1400 | 724 | 1042 |
| | 1500 | 919 | 1192 |
| | 1600 | 859 | 1246 |
| | 1700 | 585 | 1503 |
| | 1700 | 303 | 1503 |

| 1800 321 114 1900 55 72 5/10/2003 800 38 1 900 373 35 1000 1476 46 1100 738 41 1200 212 25 1300 121 68 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 | | | | E . E . I . W. V |
|---|-------------|----------|---------------------|---------------------------|
| 1800 321 1144 1900 55 72 5/10/2003 800 38 1 900 373 35 1000 1476 46 1100 738 41 1200 212 25 1300 121 68 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 5/11/2003 800 15 2 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 <th>Hourly Shac</th> <th>d Counts</th> <th>-</th> <th>go East Fish Lift Veiwing</th> | Hourly Shac | d Counts | - | go East Fish Lift Veiwing |
| 5/10/2003 800 38 1 5/10/2003 800 38 1 900 373 35 1000 1476 46 1100 738 41 1200 212 25 1300 121 68 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1800 246 278 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 <th>Date</th> <th>Hour</th> <th>Amercan Shad Passed</th> <th>Gizzard Shad Passed</th> | Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 5/10/2003 800 38 1 900 373 35 1000 1476 46 1100 738 41 1200 212 25 1300 121 68 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/ | | 1800 | 321 | 1140 |
| 900 373 35 1000 1476 46 1100 738 41 1200 212 25 1300 121 68 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 | | 1900 | 55 | 729 |
| 1000 1476 46 1100 738 41 1200 212 25 1300 121 68 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 100 | 5/10/2003 | 800 | 38 | 12 |
| 1100 738 41 1200 212 25 1300 121 68 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 | | 900 | 373 | 355 |
| 1200 212 25 1300 121 68 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 1000 50 272 | | 1000 | 1476 | 467 |
| 1300 121 68 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 | | 1100 | 738 | 417 |
| 1400 264 231 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 | | 1200 | 212 | 258 |
| 1500 398 225 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 346 1500 278 346 160 | | 1300 | 121 | 686 |
| 1600 245 147 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 346 1400 253 346 | | 1400 | 264 | 2317 |
| 1700 231 139 1800 246 278 1900 52 8 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 346 1400 253 346 1500 278 346 1600 298 275 17 | | 1500 | 398 | 2255 |
| 1800 246 278 1900 52 8 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 336 1400 253 346 1600 298 275 1700 498 287 1800 355 384 19 | | 1600 | 245 | 1472 |
| 1900 52 8 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 346 1600 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/1 | | 1700 | 231 | 1397 |
| 5/11/2003 800 15 2 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 346 1400 253 346 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 | | 1800 | 246 | 2784 |
| 900 138 99 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 336 1400 253 346 1600 298 275 1700 498 287 1800 355 384 1800 355 384 1900 35 286 5/13/2003 800 3 900 <td< td=""><td></td><td>1900</td><td>52</td><td>82</td></td<> | | 1900 | 52 | 82 |
| 1000 845 95 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 36 1400 253 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 | 5/11/2003 | 800 | 15 | 21 |
| 1100 1173 49 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 346 1400 253 346 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 <t< td=""><td></td><td>900</td><td>138</td><td>996</td></t<> | | 900 | 138 | 996 |
| 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 336 1400 253 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 <td< td=""><td></td><td>1000</td><td>845</td><td>957</td></td<> | | 1000 | 845 | 957 |
| 1200 906 50 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198< | | | | 496 |
| 1300 1103 48 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1300 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 | | | 906 | 500 |
| 1400 1040 29 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 1400 253 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | 1300 | | 484 |
| 1500 652 30 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 336 1400 253 346 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 296 |
| 1600 514 26 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 336 1400 253 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 303 |
| 1700 274 18 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 336 1400 253 346 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 263 |
| 1800 163 3 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 336 1400 253 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 181 |
| 1900 42 1 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 33 |
| 5/12/2003 800 26 317 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 18 |
| 900 62 129 1000 50 272 1100 84 240 1200 148 186 1300 336 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | 5/12/2003 | | | 3179 |
| 1000 50 272 1100 84 240 1200 148 186 1300 336 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 1296 |
| 1100 84 240 1200 148 186 1300 336 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 2726 |
| 1200 148 186 1300 336 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 2403 |
| 1300 336 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 1861 |
| 1400 253 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 4 |
| 1500 278 346 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 5 |
| 1600 298 275 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 3461 |
| 1700 498 287 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 2750 |
| 1800 355 384 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 2876 |
| 1900 35 286 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 3841 |
| 5/13/2003 800 3 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 2860 |
| 900 43 133 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | 5/13/2003 | | | 4 |
| 1000 69 246 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | 0/10/2000 | | | 1330 |
| 1100 77 134 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 2460 |
| 1200 109 151 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 1340 |
| 1300 258 267 1400 527 198 1500 481 160 1600 312 142 | | | | 1511 |
| 1400 527 198 1500 481 160 1600 312 142 | | | | 2670 |
| 1500 481 160 1600 312 142 | | | | 1985 |
| 1600 312 142 | | | | 1601 |
| | | | | 1420 |
| 1/00 291 152 | | 1700 | 291 | 1523 |
| | | | | 867 |

| Counts | that Passed the Conowing | no Fast Fish Lift Veiwing |
|--------|---|--|
| Counts | Window | JO Edot Flori Ent Volwing |
| Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 800 | 2 | 4 |
| 900 | 72 | 1928 |
| 1000 | 39 | 805 |
| 1100 | 37 | 1581 |
| 1200 | 74 | 3122 |
| 1300 | 41 | 1532 |
| 1400 | 71 | 1893 |
| 1500 | 63 | 1212 |
| 1600 | 94 | 909 |
| 1700 | 91 | 496 |
| 1800 | 137 | 587 |
| 900 | 51 | 890 |
| 1000 | 175 | 1290 |
| 1100 | 336 | 2991 |
| 1200 | 257 | 1305 |
| 1300 | 307 | 977 |
| | 284 | 412 |
| | 71 | 1187 |
| | 347 | 335 |
| | | 718 |
| | | 293 |
| | | 8 |
| | | 1835 |
| | | 2907 |
| | | 1901 |
| | | 2691 |
| | | 2722 |
| | | 1025 |
| | | 1098 |
| | | 1059 |
| | | 792 |
| | | 1407 |
| | | 7 |
| | | 353 |
| | | 1511 |
| | | 1826 |
| | | 1390 |
| | | 908 |
| | | 1220 |
| | | 512 |
| | | 1406 |
| | | 517 |
| | | 700 |
| | | 23 |
| | | 2388 |
| | | 833 |
| | | 551 |
| | | 1446 |
| | 1 1 | טדדו |
| | Hour 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 900 1100 1200 | Hour Amercan Shad Passed 800 2 900 72 1000 39 1100 37 1200 74 1300 41 1400 71 1500 63 1600 94 1700 91 1800 137 900 51 1000 175 1100 336 1200 257 1300 307 1400 284 1500 71 1600 347 1700 705 1800 615 800 107 900 80 1000 79 1100 88 1200 129 1300 142 1400 172 1500 268 1600 306 1700 222 1800 38 |

| Hourly Shac | l Counte | that Passed the Conowing | yo Fast Fish Lift Vojwing |
|-------------|----------|--------------------------|---------------------------|
| | | Window | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1400 | 37 | 1120 |
| | 1500 | 82 | 900 |
| | 1600 | 139 | 591 |
| | 1700 | 134 | 374 |
| | 1800 | 141 | 1042 |
| | 1900 | 37 | 74 |
| 5/19/2003 | 800 | 30 | 14 |
| | 900 | 72 | 4260 |
| | 1000 | 27 | 2453 |
| | 1100 | 41 | 2742 |
| | 1200 | 75 | 2008 |
| | 1300 | 61 | 646 |
| | 1400 | 143 | 1238 |
| | 1500 | 130 | 933 |
| | 1600 | 46 | 634 |
| | 1700 | 32 | 273 |
| | 1800 | 21 | 263 |
| 5/20/2003 | 800 | 4 | 6 |
| | 900 | 8 | 1656 |
| | 1000 | 7 | 950 |
| | 1100 | 24 | 648 |
| | 1200 | 96 | 820 |
| | 1300 | 55 | 458 |
| | 1400 | 116 | 480 |
| | 1500 | 125 | 702 |
| | 1600 | 127 | 326 |
| | 1700 | 111 | 295 |
| | 1800 | 74 | 30 |
| 5/21/2003 | 800 | 11 | 0 |
| | 900 | 78 | 2878 |
| | 1000 | 50 | 1369 |
| | 1100 | 151 | 1145 |
| | 1200 | 252 | 618 |
| | 1300 | 403 | 1101 |
| | 1400 | 294 | 906 |
| | 1500 | 189 | 345 |
| | 1600 | 174 | 648 |
| | 1700 | 207 | 534 |
| | 1800 | 126 | 297 |
| 5/22/2003 | 800 | 83 | 2 |
| | 900 | 77 | 1049 |
| | 1000 | 170 | 997 |
| | 1100 | 280 | 2033 |
| | 1200 | 268 | 1106 |
| | 1300 | 384 | 1037 |
| | 1400 | 338 | 504 |
| | 1500 | 305 | 1464 |
| | 1600 | 337 | 508 |
| | 1700 | 319 | 1283 |

| Hourly Shad | I Counts | that Passed the Conowing Window | go East Fish Lift Veiwing |
|-------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1800 | 207 | 1467 |
| | 1900 | 110 | 1174 |
| 5/23/2003 | 800 | 13 | Ş |
| | 900 | 82 | 1309 |
| | 1000 | 96 | 682 |
| | 1100 | 149 | 887 |
| | 1200 | 190 | 1543 |
| | 1300 | 260 | 826 |
| | 1400 | 394 | 880 |
| | 1500 | 377 | 1015 |
| | 1600 | 436 | 965 |
| | 1700 | 348 | 905 |
| | 1800 | 320 | 453 |
| | 1900 | 61 | 48 |
| 5/24/2003 | 800 | 37 | 10 |
| 0,2 ,,200 | 900 | 75 | 1378 |
| | 1000 | 32 | 482 |
| | 1100 | 115 | 1056 |
| | 1200 | 280 | 1553 |
| | 1300 | 239 | 1501 |
| | 1400 | 156 | 1104 |
| | 1500 | 96 | 736 |
| | 1600 | 184 | 680 |
| | 1700 | 232 | 1262 |
| | 1800 | 100 | 542 |
| 5/25/2003 | 800 | 67 | 48 |
| 0/20/2000 | 900 | 208 | 2467 |
| | 1000 | 211 | 1853 |
| | 1100 | 202 | 1782 |
| | 1200 | 126 | 1279 |
| | 1300 | 282 | 866 |
| | 1400 | 445 | 610 |
| | 1500 | 366 | 806 |
| | 1600 | 281 | 620 |
| | 1700 | 261 | 717 |
| | 1800 | 140 | 622 |
| 5/26/2003 | 800 | 83 | 102 |
| 2, 23, 2300 | 900 | 32 | 245 |
| | 1000 | 110 | 242 |
| | 1100 | 181 | 680 |
| | 1200 | 173 | 401 |
| | 1300 | 141 | 430 |
| | 1400 | 118 | 921 |
| | 1500 | 160 | 517 |
| | 1600 | 163 | 417 |
| | 1700 | 147 | 442 |
| | 1800 | 79 | 261 |
| | 1900 | 10 | 201 |
| 5/27/2003 | 800 | 21 | 1035 |

| Hourly Shad | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------|----------|-------------------------------|---------------------------|
| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
| | 900 | 18 | 1169 |
| | 1000 | 11 | 2130 |
| | 1100 | 19 | 978 |
| | 1200 | 15 | 2245 |
| | 1300 | 38 | 865 |
| | 1400 | 63 | 1324 |
| | 1500 | 73 | 1077 |
| | 1600 | 84 | 626 |
| | 1700 | 64 | 817 |
| | 1800 | 59 | 426 |
| | 1900 | 39 | 368 |
| 5/28/2003 | 800 | 21 | 1102 |
| | 900 | 60 | 840 |
| | 1000 | 51 | 1365 |
| | 1100 | 61 | 1303 |
| | 1200 | 58 | 653 |
| | 1300 | 60 | 354 |
| | 1400 | 66 | 450 |
| | 1500 | 68 | 410 |
| | 1600 | 54 | 141 |
| | 1700 | 44 | 214 |
| | 1800 | | 232 |
| E/20/2002 | 800 | 60 4 | |
| 5/29/2003 | | | 1064 |
| | 900 | 15 | 1064 |
| | 1000 | 12 | 827 |
| | 1100 | 8 | 1098 |
| | 1200 | 46 | 2020 |
| | 1300 | 41 | 815 |
| | 1400 | 15 | 568 |
| | 1500 | 3 | 25 |
| | 1600 | 30 | 726 |
| | 1700 | 35 | 313 |
| | 1800 | 53 | 320 |
| | 1900 | 47 | 13′ |
| 5/30/2003 | 800 | 11 | 11 |
| | 900 | 23 | 1347 |
| | 1000 | 18 | 758 |
| | 1100 | 32 | 653 |
| | 1200 | 24 | 946 |
| | 1300 | 12 | 515 |
| | 1400 | 33 | 388 |
| | 1500 | 55 | 387 |
| | 1600 | 64 | 210 |
| | 1700 | 44 | 112 |
| | 1800 | 31 | 326 |
| | 1900 | 5 | 33 |
| 5/31/2003 | 800 | 8 | |
| | 900 | 1 | |
| | 1000 | 22 | 698 |

| Hourly Sha | d Counts t | hat Passed the Conowing Window | go East Fish Lift Veiwing |
|------------|------------|-----------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1100 | 15 | 315 |
| | 1200 | 28 | 715 |
| | 1300 | 35 | 846 |
| | 1400 | 122 | 984 |
| | 1500 | 72 | 276 |
| | 1600 | 76 | 148 |
| | 1700 | 26 | 206 |
| 6/1/2003 | 800 | 43 | 22 |
| | 900 | 4 | 7 |
| | 1000 | 19 | 202 |
| | 1100 | 34 | 437 |
| | 1200 | 24 | 417 |
| | 1300 | 9 | 392 |
| | 1400 | 17 | 631 |
| | 1500 | 15 | 217 |
| | 1600 | 18 | 211 |
| | 1700 | 1 | 12 |
| 6/2/2003 | 1000 | 2 | 268 |
| | 1100 | 5 | 147 |

| Hourly Sha | d Counts | that Passed the Conowing Window | go East Fish Lift Veiwing |
|------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | | 2004 | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 2004 | | |
| 4/12/2004 | 1100 | 0 | 225 |
| | 1200 | 0 | 91 |
| | 1300 | 0 | 22 |
| | 1400 | 0 | 1 |
| 4/14/2004 | 1100 | 0 | 950 |
| | 1200 | 0 | 162 |
| | 1300 | 1 | 375 |
| | 1400 | 0 | 203 |
| | 1500 | 0 | 48 |
| 4/19/2004 | 1000 | 0 | 0 |
| | 1100 | 0 | 1228 |
| | 1200 | 0 | 508 |
| | 1300 | 0 | 332 |
| | 1400 | 0 | 316 |
| | 1500 | 0 | 86 |
| 4/21/2004 | 1100 | 0 | 3929 |
| | 1200 | 2 | 1880 |
| | 1300 | 6 | 382 |
| | 1400 | 7 | 780 |
| | 1500 | 57 | 906 |
| | 1600 | 65 | 500 |
| | 1700 | 56 | 242 |
| 4/22/2004 | 1000 | 25 | 2510 |
| | 1100 | 12 | 4640 |
| | 1200 | 18 | 2490 |
| | 1300 | 28 | 1290 |
| | 1400 | 28 | 2790 |
| | 1500 | 19 | 3520 |
| | 1600 | 7 | 2740 |
| | 1700 | 5 | 1010 |
| 4/23/2004 | 1000 | 19 | 3543 |
| | 1100 | 88 | 9204 |
| | 1200 | 426 | 4477 |
| | 1300 | 502 | 2400 |
| | 1400 | 480 | 4100 |
| | 1500 | 809 | 2621 |
| | 1600 | 918 | 1948 |
| | 1700 | 932 | 2600 |
| | 1800 | 245 | 1300 |
| 4/24/2004 | 700 | 195 | 119 |
| | 800 | 133 | 2781 |
| | 900 | 84 | 4600 |
| | 1000 | 179 | 4200 |
| | 1100 | 381 | 2300 |

| Hourly Shad | 1 Counts | that Passad the Conowing | ro Fact Fich Lift Volwing |
|-------------|----------|------------------------------------|---------------------------|
| | | that Passed the Conowing Window | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1200 | 399 | 2600 |
| | 1300 | 298 | 1600 |
| | 1400 | 321 | 1250 |
| | 1500 | 325 | 1500 |
| | 1600 | 233 | 1500 |
| | 1700 | 403 | 1650 |
| | 1800 | 282 | 700 |
| 4/25/2004 | 700 | 168 | 76 |
| | 800 | 141 | 7356 |
| | 900 | 31 | 8525 |
| | 1000 | 14 | 6400 |
| | 1100 | 26 | 11881 |
| | 1200 | 36 | 700 |
| | 1300 | 204 | 8382 |
| | 1400 | 638 | 2435 |
| | 1500 | 934 | 5782 |
| | 1600 | 916 | 7182 |
| | 1700 | 974 | 4400 |
| | | | |
| 4/00/0004 | 1800 | 1095 | 3800 |
| 4/26/2004 | 800 | 191 | 1580 |
| | 900 | 144 | 2900 |
| | 1000 | 282 | 1280 |
| | 1100 | 371 | 1740 |
| | 1200 | 376 | 780 |
| | 1300 | 436 | 1590 |
| | 1400 | 632 | 1370 |
| | 1500 | 521 | 960 |
| | 1600 | 580 | 1240 |
| | 1700 | 362 | 1000 |
| | 1800 | 274 | 590 |
| 4/27/2004 | 700 | 20 | 5 |
| | 800 | 9 | 3 |
| | 900 | 117 | 2200 |
| | 1000 | 110 | 2000 |
| | 1100 | 283 | 2100 |
| | 1200 | 301 | 1750 |
| | 1300 | 281 | 1681 |
| | 1400 | 126 | 1650 |
| | 1500 | 172 | 2490 |
| | 1600 | 137 | 1164 |
| | 1700 | 150 | 1293 |
| 4/28/2004 | 700 | 37 | 1293 |
| 7/20/2004 | 800 | 24 | 1712 |
| | | | |
| | 900 | 6 | 1706 |
| | 1000 | 2 | 2050 |
| | 1100 | 4 | 1250 |
| | 1200 | 0 | 29 |
| | 1300 | 3 | 1750 |
| | 1400 | 0 | 1120 |

| | | that Passed the Conowing Window | |
|-----------|------|------------------------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1500 | 0 | 1200 |
| | 1600 | 0 | 918 |
| | 1700 | 0 | 34 |
| 4/29/2004 | 900 | 0 | 828 |
| | 1000 | 0 | 485 |
| | 1100 | 0 | 842 |
| | 1200 | 1 | 835 |
| | 1300 | 0 | 542 |
| | 1400 | 0 | 1130 |
| | 1500 | 0 | 1176 |
| | 1600 | 0 | 20 |
| 4/30/2004 | 800 | 0 | 1850 |
| | 900 | 0 | 2100 |
| | 1000 | 0 | 1550 |
| | 1100 | 0 | 1310 |
| | 1200 | 0 | 1930 |
| | 1300 | 0 | 540 |
| | 1400 | 0 | 575 |
| | 1500 | 0 | 852 |
| 5/1/2004 | 700 | 0 | 3′ |
| | 800 | 0 | 3180 |
| | 900 | 1 | 4677 |
| | 1000 | 5 | 4030 |
| | 1100 | 127 | 114 |
| | 1200 | 329 | 2398 |
| | 1300 | 409 | 880 |
| | 1400 | 453 | 2026 |
| | 1500 | 302 | 1050 |
| | 1600 | 360 | 1698 |
| | 1700 | 371 | 908 |
| | 1800 | 644 | 1542 |
| 5/2/2004 | 700 | 121 | 35 |
| | 800 | 60 | 1525 |
| | 900 | 636 | 1360 |
| | 1000 | 1625 | 5330 |
| | 1100 | 3406 | 3700 |
| | 1200 | 2093 | 1120 |
| | 1300 | 1956 | 168 |
| | 1400 | 3284 | 2324 |
| | 1500 | 3006 | 2052 |
| | 1600 | 2634 | 2860 |
| | 1700 | 1251 | 170° |
| | 1800 | 692 | 2380 |
| | 1900 | 301 | 1397 |
| 5/3/2004 | 800 | 284 | 2022 |
| | 900 | 210 | 4910 |
| | 1000 | 511 | 3103 |
| | 1100 | 672 | 2067 |
| | 1200 | 885 | 1236 |

| Hourly Shad | d Counts | that Passed the Conowing | go Fast Fish Lift Veiwing |
|-------------|----------|--------------------------|---------------------------|
| Troung Chac | a Counto | Window | go Eust Flori Ent Volving |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1300 | 662 | 1503 |
| | 1400 | 487 | 1849 |
| | 1500 | 392 | 2362 |
| | 1600 | 305 | 1663 |
| | 1700 | 439 | 1006 |
| | 1800 | 440 | 1713 |
| 5/4/2004 | 800 | 92 | 1938 |
| | 900 | 19 | 1570 |
| | 1000 | 42 | 1660 |
| | 1100 | 49 | 807 |
| | 1200 | 230 | 988 |
| | 1300 | 261 | 3559 |
| | 1400 | 272 | 2068 |
| | 1500 | 170 | 2866 |
| | 1600 | 174 | 1006 |
| | 1700 | 27 | 1810 |
| | 1800 | 36 | 998 |
| 5/5/2004 | 800 | 250 | 1010 |
| | 900 | 41 | 1340 |
| | 1000 | 178 | 1240 |
| | 1100 | 470 | 750 |
| | 1200 | 712 | 1320 |
| | 1300 | 559 | 700 |
| | 1400 | 531 | 1420 |
| | 1500 | 256 | 1420 |
| | 1600 | 134 | 690 |
| | 1700 | 139 | 0 |
| 5/6/2004 | 700 | 10 | 14 |
| | 800 | 34 | 1990 |
| | 900 | 71 | 2980 |
| | 1000 | 78 | 880 |
| | 1100 | 57 | 1081 |
| | 1200 | 123 | 840 |
| | 1300 | 144 | 1920 |
| | 1400 | 273 | 1260 |
| | 1500 | 134 | 1020 |
| | 1600 | 79 | 980 |
| | 1700 | 114 | 940 |
| | 1800 | 69 | 1040 |
| 5/7/2004 | 700 | 2 | 28 |
| | 800 | 89 | 5034 |
| | 900 | 97 | 1776 |
| | 1000 | 203 | 1917 |
| | 1100 | 410 | 1668 |
| | 1200 | 355 | 692 |
| | 1300 | 424 | 708 |
| | 1400 | 401 | 880 |
| | 1500 | 433 | 1313 |
| | 1600 | 616 | 789 |

| | | Window | |
|-----------|-------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1700 | 286 | 874 |
| | 1800 | 238 | 782 |
| 5/8/2004 | 800 | 124 | 1875 |
| | 900 | 39 | 2327 |
| | 1000 | 239 | 2622 |
| | 1100 | 813 | 2225 |
| | 1200 | 1221 | 2000 |
| | 1300 | 1501 | 1985 |
| | 1400 | 1143 | 1770 |
| | 1500 | 812 | 1550 |
| | 1600 | 401 | 1120 |
| | 1700 | 410 | 11000 |
| | 1800 | 481 | 1210 |
| 5/9/2004 | 700 | 37 | 64 |
| | 800 | 125 | 785 |
| | 900 | 146 | 2316 |
| | 1000 | 343 | 1258 |
| | 1100 | 837 | 3802 |
| | 1200 | 852 | 4600 |
| | 1300 | 902 | 3658 |
| | 1400 | 1206 | 3075 |
| | 1500 | 1120 | 3500 |
| | 1600 | 1102 | 3000 |
| | 1700 | 1573 | 2100 |
| | 1800 | 1030 | 2000 |
| | 1900 | 761 | 2300 |
| 5/10/2004 | 800 | 250 | 1748 |
| | 900 | 1128 | 1164 |
| | 1000 | 1730 | 2050 |
| | 1100 | 1556 | 250 |
| | 1200 | 712 | 1349 |
| | 13000 | 647 | 165 |
| | 1400 | 346 | 2778 |
| | 1500 | 323 | 2069 |
| | 1600 | 259 | 2730 |
| | 1700 | 259 | 1620 |
| | 1800 | 134 | (|
| 5/11/2004 | 800 | 28 | 1660 |
| | 900 | 9 | 28 |
| | 1000 | 2 | 42 |
| | 1100 | 0 | (|
| | 1200 | 0 | (|
| | 1300 | 5 | 4218 |
| | 1400 | 24 | 783 |
| | 1500 | 33 | 77 |
| | 1600 | 43 | 732 |
| | 1700 | 65 | 1440 |
| 5/12/2004 | 800 | 125 | 4052 |
| | 900 | 604 | 284 |

| Hourly Shad | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------|----------|--------------------------|---------------------------|
| | | Window | |
| Date | Hour | Amercan Shad Passed | |
| | 1000 | 286 | 1054 |
| | 1100 | 719 | 2157 |
| | 1200 | 529 | 2297 |
| | 1300 | 702 | 2053 |
| | 1400 | 476 | 2304 |
| | 1500 | 577 | 732 |
| | 1600 | 453 | 1543 |
| | 1700 | 445 | 1512 |
| | 1800 | 247 | 532 |
| 5/13/2004 | 700 | 38 | 30 |
| | 800 | 68 | 84 |
| | 900 | 443 | 2150 |
| | 1000 | 563 | 1835 |
| | 1100 | 807 | 1425 |
| | 1200 | 1003 | 1135 |
| | 1300 | 913 | 1200 |
| | 1400 | 453 | 1320 |
| | 1500 | 173 | 425 |
| | 1600 | 105 | 745 |
| | 1700 | 159 | 500 |
| | 1800 | 96 | 215 |
| 5/14/2004 | 800 | 121 | 1219 |
| | 900 | 399 | 3688 |
| | 1000 | 493 | 2012 |
| | 1100 | 486 | 2616 |
| | 1200 | 607 | 1504 |
| | 1300 | 486 | 2193 |
| | 1400 | 338 | 1223 |
| | 1500 | 301 | 547 |
| | 1600 | 50 | 341 |
| | 1700 | 265 | 1538 |
| | 1800 | 88 | 98 |
| 5/15/2004 | 800 | 67 | 243 |
| | 900 | 111 | 1488 |
| | 1000 | 70 | 3965 |
| | 1100 | 115 | 1982 |
| | 1200 | 154 | 2197 |
| | 1300 | 222 | 2815 |
| | 1400 | 229 | 1206 |
| | 1500 | 189 | 3227 |
| | 1600 | 95 | 2624 |
| | 1700 | 83 | 1209 |
| | 1800 | 26 | 626 |
| 5/16/2004 | 700 | 24 | 50 |
| | 800 | 56 | 320 |
| | 900 | 229 | 1050 |
| | 1000 | 272 | 870 |
| | 1100 | 208 | 1182 |
| | 1200 | 405 | 2210 |

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
|-------------|--------------|----------------------------|---------------------|
| Date | 1300 | 808 | 184 |
| | 1400 | 614 | 106 |
| | 1500 | 552 | 136 |
| | 1600 | 400 | 116 |
| | 1700 | 160 | 90 |
| | 1800 | 109 | 47 |
| 5/17/2004 | 800 | 87 | 141 |
| 3/17/2004 | 900 | 166 | 290 |
| | 1000 | 105 | 289 |
| | 1100 | 65 | 130 |
| | 1200 | 173 | 206 |
| | | | 134 |
| | 1300 1400 | 192 149 | 195 |
| | | | |
| | 1500 | 130 | 102 |
| | 1600 | 99 | 150 |
| F/4.0/000.4 | 1700 | 105 | 72 |
| 5/18/2004 | 800 | 79 | 107 |
| | 900 | 107 | 212 |
| | 1000 | 122 | 172 |
| | 1100 | 162 | 215 |
| | 1200 | 136 | 118 |
| | 1300 | 170 | 134 |
| | 1400 | 130 | 174 |
| | 1500 | 135 | 144 |
| | 1600 | 194 | 100 |
| | 1700 | 203 | 100 |
| | 1800 | 120 | 27 |
| 5/19/2004 | 800 | 26 | 2 |
| | 900 | 138 | 96 |
| | 1000 | 152 | 48 |
| | 1100 | 186 | 68 |
| | 1200 | 187 | 46 |
| | 1300 | 149 | 52 |
| | 1400 | 141 | 25 |
| | 1500 | 101 | 47 |
| | 1600 | 147 | 38 |
| | 1700 | 83 | 34 |
| 5/20/2004 | 700 | 14 | 1 |
| | 800 | 14 | 45 |
| | 900 | 54 | 107 |
| | 1000 | 160 | 67 |
| | 1100 | 118 | 166 |
| | 1200 | 150 | 70 |
| | 1300 | 187 | 202 |
| | 1400 | 119 | 120 |
| | 1500 | 110 | 133 |
| | 1600 | 91 | 241 |
| | 1700 | 87 | 95 |
| 5/21/2004 | 700 | 11 | 2 |

| Tiouriy Oriac | a Courits | that Passed the Conowing Window | go Last i isii Liit veiwilig |
|---------------|-----------|---------------------------------|------------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 800 | 11 | 94 |
| | 900 | 8 | 223 |
| | 1000 | 42 | 297 |
| | 1100 | 18 | 123 |
| | 1200 | 15 | 226 |
| | 1300 | 6 | 166 |
| | 1400 | 3 | 45 |
| | 1500 | 5 | 67 |
| | 1600 | 14 | 217 |
| 5/22/2004 | 800 | 35 | 45 |
| | 900 | 365 | 260 |
| | 1000 | 200 | 475 |
| | 1100 | 90 | 276 |
| | 1200 | 71 | 1002 |
| | 1300 | 41 | 850 |
| | 1400 | 30 | 883 |
| | 1500 | 29 | 822 |
| | 1600 | 18 | 610 |
| | 1700 | 19 | 387 |
| 5/23/2004 | 700 | 4 | 64 |
| | 800 | 94 | 72 |
| | 900 | 329 | 760 |
| | 1000 | 419 | 309 |
| | 1100 | 180 | 1050 |
| | 1200 | 62 | 1045 |
| | 1300 | 62 | 716 |
| | 1400 | 10 | 370 |
| | 1500 | 9 | 375 |
| | 1600 | 7 | 495 |
| 5/24/2004 | 800 | 3 | 180 |
| | 900 | 3 | 643 |
| | 1000 | 5 | 625 |
| | 1100 | 4 | 612 |
| | 1200 | 4 | 432 |
| | 1300 | 2 | 169 |
| | 1400 | 4 | 212 |
| | 1500 | 3 | 146 |
| 5/25/2004 | 800 | 7 | 273 |
| | 900 | 7 | 910 |
| | 1000 | 3 | 741 |
| | 1100 | 7 | 641 |
| | 1200 | 8 | 280 |
| | 1300 | 13 | 425 |
| | 1400 | 18 | 179 |
| | 1500 | 24 | 110 |
| 5/26/2004 | 700 | 0 | 5 |
| | 800 | 8 | 7 |
| | 900 | 9 | 5 |
| | 1000 | 4 | 76 |

| Hourly Shad | d Counts | that Passed the Conowing Window | go East Fish Lift Veiwing |
|-------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1100 | 19 | 108 |
| | 1200 | 20 | 322 |
| | 1300 | 18 | 265 |
| | 1400 | 20 | 46 |
| | 1500 | 14 | 138 |
| 5/27/2004 | 700 | 0 | 4 |
| | 800 | 0 | 0 |
| | 900 | 24 | 52 |
| | 1000 | 9 | 150 |
| | 1100 | 6 | 101 |
| | 1200 | 5 | 182 |
| | 1300 | 8 | 181 |
| | 1400 | 9 | 186 |
| | 1500 | 9 | 144 |
| 5/28/2004 | 800 | 11 | 46 |
| | 900 | 3 | 64 |
| | 1000 | 6 | 71 |
| | 1100 | 12 | 142 |
| | 1200 | 6 | 161 |
| | 1300 | 4 | 150 |
| | 1400 | 42 | 177 |
| | 1500 | 15 | 199 |
| | 1600 | 4 | 29 |
| 5/29/2004 | 800 | 1 | 62 |
| | 900 | 12 | 37 |
| | 1000 | 3 | 29 |
| | 1100 | 4 | 23 |
| | 1200 | 1 | 37 |
| | 1300 | 3 | 41 |
| | 1400 | 1 | 33 |
| | 1500 | 7 | 19 |
| 5/30/2004 | 800 | 0 | 4 |
| | 900 | 9 | 5 |
| | 1000 | 62 | 10 |
| | 1100 | 41 | 9 |
| | 1200 | 56 | 27 |
| | 1300 | 20 | 9 |
| | 1400 | 7 | 31 |
| | 1500 | 15 | 60 |
| 5/31/2004 | 700 | 0 | 0 |
| | 800 | 7 | 33 |
| | 900 | 6 | 35 |
| | 1000 | 1 | 42 |
| | 1100 | 10 | 68 |
| | 1200 | 21 | 149 |
| | 1300 | 11 | 172 |

| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
|-------------|------|---------------------|---------------------|
| 2 0.10 | | | 0.220.0.0 |
| | | 2005 | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 4/15/2005 | 1300 | 0 | 93 |
| | 1400 | 0 | 149 |
| | 1500 | 0 | 257 |
| 4/18/2005 | 1300 | 0 | 112 |
| | 1400 | 0 | 1040 |
| | 1500 | 0 | 202 |
| 4/20/2005 | 1000 | 0 | 2213 |
| | 1100 | 0 | 350 |
| | 1200 | 7 | 1629 |
| | 1300 | 62 | 299 |
| | 1400 | 238 | 129 |
| | 1500 | 171 | 317 |
| | 1600 | 146 | 196 |
| | 1700 | 50 | 107 |
| 4/21/2005 | 900 | 20 | 15 |
| | 1000 | 34 | 3609 |
| | 1100 | 26 | 201 |
| | 1200 | 27 | 242 |
| | 1300 | 9 | 102 |
| | 1400 | 34 | 49 |
| | 1500 | 13 | 110 |
| | 1600 | 4 | 25 |
| | 1700 | 43 | 25 |
| 4/22/2005 | 900 | 0 | 1 |
| | 1000 | 7 | 317 |
| | 1100 | 39 | 142 |
| | 1200 | 23 | 1596 |
| | 1300 | 88 | 159 |
| | 1400 | 78 | 142 |
| | 1500 | 82 | 156 |
| | 1600 | 67 | 208 |
| | 1700 | 139 | 101 |
| 4/23/2005 | 900 | 36 | 2 |
| .,_0,_00 | 1000 | 13 | 440 |
| | 1100 | 140 | 129 |
| | 1200 | 169 | 341 |
| | 1300 | 266 | 207 |
| | 1400 | 233 | 260 |
| | 1500 | 232 | 152 |
| | 1600 | 196 | 125 |
| | 1700 | 167 | 171 |
| | 1800 | 94 | 102 |
| 4/24/2005 | 900 | 38 | 2 |
| T/ ZT/ ZUUS | 1000 | 24 | 2 |
| | 1000 | 6 | 5 |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1200 | 23 | 173 |
| | 1300 | 7 | 9 |
| | 1400 | 36 | 295 |
| | 1500 | 83 | 795 |
| | 1600 | 24 | 2159 |
| 4/25/2005 | 900 | 13 | 202 |
| | 1000 | 9 | 5530 |
| | 1100 | 1 | 1320 |
| | 1200 | 11 | 1266 |
| | 1300 | 42 | 821 |
| | 1400 | 80 | 609 |
| | 1500 | 119 | 504 |
| | 1600 | 153 | 452 |
| | 1700 | 132 | 881 |
| | 1800 | 173 | 931 |
| 4/26/2005 | 900 | 33 | 1137 |
| | 1000 | 6 | 2130 |
| | 1100 | 5 | 2830 |
| | 1200 | 8 | 2300 |
| | 1300 | 10 | 1400 |
| | 1400 | 13 | 1500 |
| | 1500 | 16 | 940 |
| | 1600 | 8 | 1520 |
| 4/27/2005 | 900 | 7 | 154 |
| | 1000 | 17 | 2152 |
| | 1100 | 12 | 1214 |
| | 1200 | 2 | 831 |
| | 1300 | 2 | 1161 |
| | 1400 | 4 | 954 |
| | 1500 | 19 | 974 |
| | 1600 | 42 | 962 |
| | 1700 | 43 | 953 |
| 4/28/2005 | 900 | 4 | 700 |
| | 1000 | 1 | 1200 |
| | 1100 | 1 | 690 |
| | 1200 | 0 | 530 |
| | 1300 | 1 | 460 |
| | 1400 | 0 | 750 |
| | 1500 | 1 | 1200 |
| | 1600 | 0 | 940 |
| 4/29/2005 | 900 | 0 | 58 |
| | 1000 | 1 | 979 |
| | 1100 | 0 | 618 |
| | 1200 | 0 | 575 |
| | 1300 | 0 | 783 |
| | 1400 | 0 | 747 |
| | 1500 | 2 | 1037 |
| 4/30/2005 | 900 | 4 | 8 |
| | 1000 | 1 | 880 |

| Hourly Shad | d Counts | that Passed the Conowing Window | go East Fish Lift Veiwing |
|-------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1100 | 3 | 1377 |
| | 1200 | 3 | 503 |
| | 1300 | 12 | 201 |
| | 1400 | 9 | 185 |
| 5/1/2005 | 900 | 4 | 31 |
| 3, 1, 2000 | 1000 | 6 | 324 |
| | 1100 | 51 | 790 |
| | 1200 | 339 | 2780 |
| | 1300 | 1217 | 1050 |
| | 1400 | 1808 | 1300 |
| | 1500 | 856 | 1340 |
| | 1600 | 332 | 1520 |
| | 1700 | 103 | 2310 |
| | 1800 | 60 | 870 |
| 5/2/2005 | 900 | 80 | 1120 |
| 0,2,2000 | 1000 | 30 | 1340 |
| | 1100 | 7 | 2290 |
| | 1200 | 7 | 1390 |
| | 1300 | 14 | 1490 |
| | 1400 | 73 | 1060 |
| | 1500 | 125 | 260 |
| | 1600 | 86 | 500 |
| | 1700 | 130 | 360 |
| 5/3/2005 | 900 | 18 | 4 |
| 0/0/2000 | 1000 | 22 | 2272 |
| | 1100 | 27 | 2083 |
| | 1200 | 27 | 1014 |
| | 1300 | 24 | 145 |
| | 1400 | 179 | 476 |
| | 1500 | 563 | 1294 |
| | 1600 | 652 | 758 |
| | 1700 | 787 | 744 |
| | 1800 | 432 | 186 |
| 5/4/2005 | 900 | 10 | 2 |
| 0/ 1/2000 | 1000 | 75 | 901 |
| | 1100 | 294 | 702 |
| | 1200 | 481 | 3322 |
| | 1300 | 704 | 1560 |
| | 1400 | 587 | 1274 |
| | 1500 | 569 | 522 |
| | 1600 | 410 | 138 |
| | 1700 | 516 | 174 |
| | 1800 | 392 | 44 |
| | 1900 | 192 | 50 |
| 5/5/2005 | 900 | 41 | 1 |
| 5/5/2005 | | | |
| | 1000 | 41 | 2270 |
| | 1100 | 19 | 750 |
| | 1200 | 21 | 1140 |
| | 1300 | 45 | 70 |

| Hourly Shad | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|--------------------------------------|----------|--------------------------|---------------------------|
| Doto | Ноли | Window | Cizzard Chad Dagad |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1400 | 268 | 540 |
| | 1500 | 559 | 559 |
| | 1600 | 397 | 810 |
| | 1700 | 388 | 880 |
| _ / 2 / 2 2 2 2 | 1800 | 109 | 250 |
| 5/6/2005 | 900 | 110 | 336 |
| | 1000 | 64 | 677 |
| | 1100 | 127 | 1154 |
| | 1200 | 75 | 360 |
| | 1300 | 227 | 142 |
| | 1400 | 311 | 906 |
| | 1500 | 464 | 480 |
| | 1600 | 715 | 513 |
| | 1700 | 485 | 328 |
| | 1800 | 222 | 481 |
| 5/7/2005 | 800 | 53 | 730 |
| | 900 | 47 | 780 |
| | 1000 | 27 | 781 |
| | 1100 | 266 | 534 |
| | 1200 | 212 | 537 |
| | 1300 | 184 | 78 |
| | 1400 | 263 | 149 |
| | 1500 | 394 | 135 |
| | | 356 | 138 |
| | 1600 | | |
| | 1700 | 657 | 118 |
| | 1800 | 545 | 131 |
| 5 / 0 / 0 0 0 5 | 1900 | 267 | 114 |
| 5/8/2005 | 800 | 138 | 360 |
| | 900 | 54 | 481 |
| | 1000 | 100 | 413 |
| | 1100 | 219 | 210 |
| | 1200 | 458 | 221 |
| | 1300 | 383 | 107 |
| | 1400 | 502 | 181 |
| | 1500 | 426 | 73 |
| | 1600 | 550 | 86 |
| | 1700 | 282 | 101 |
| | 1800 | 154 | 199 |
| 5/9/2005 | 800 | 0 | 13 |
| | 900 | 61 | 1276 |
| | 1000 | 112 | 955 |
| | 1100 | 74 | 346 |
| | 1200 | 163 | 487 |
| | 1300 | 198 | 383 |
| | 1400 | 258 | 196 |
| | 1500 | 374 | 92 |
| | 1600 | 613 | 121 |
| | 1700 | | |
| | | 831 | 320 |
| | 1800 | 501 | 220 |

| Hourly Shad | 1 Counts | that Passed the Conowing | no Fast Fish Lift Valwing |
|-----------------|----------|--------------------------|---------------------------|
| Tiouriy Shac | | Window | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1900 | 191 | 304 |
| 5/10/2005 | 800 | 28 | 3 |
| | 900 | 120 | 273 |
| | 1000 | 75 | 956 |
| | 1100 | 54 | 1593 |
| | 1200 | 84 | 2045 |
| | 1300 | 120 | 2560 |
| | 1400 | 342 | 1432 |
| | 1500 | 273 | 957 |
| | 1600 | 163 | 1532 |
| | 1700 | 129 | 1327 |
| 5/11/2005 | 730 | 1 | 30 |
| 0, 1.1,2000 | 800 | 119 | 26 |
| | 900 | 97 | 121 |
| | 1000 | 210 | 2468 |
| | 1100 | 560 | 1618 |
| | 1200 | 781 | 2004 |
| | 1300 | 781 | 1678 |
| | | 544 | |
| | 1400 | | 1930 |
| | 1500 | 684 | 941 |
| | 1600 | 609 | 966 |
| | 1700 | 429 | 225 |
| = /4 0 /0 0 0 = | 1800 | 420 | 269 |
| 5/12/2005 | 700 | 39 | 6 |
| | 800 | 174 | 61 |
| | 900 | 497 | 548 |
| | 1000 | 484 | 987 |
| | 1100 | 382 | 1128 |
| | 1200 | 321 | 512 |
| | 1300 | 431 | 896 |
| | 1400 | 425 | 1469 |
| | 1500 | 310 | 610 |
| | 1600 | 163 | 831 |
| | 1700 | 118 | 739 |
| | 1800 | 101 | 573 |
| 5/13/2005 | 800 | 189 | 74 |
| | 900 | 307 | 1634 |
| | 1000 | 671 | 0.694 |
| | 1100 | 560 | 1406 |
| | 1200 | 186 | 210 |
| | 1300 | 197 | 632 |
| | 1400 | 180 | 630 |
| | 1500 | 185 | 210 |
| | 1600 | 287 | 207 |
| | 1700 | 630 | 130 |
| | 1800 | 654 | 104 |
| 5/14/2005 | 800 | 183 | 179 |
| JI 1-7/2000 | 900 | 176 | 276 |
| | 1000 | 378 | 827 |
| | 1000 | 310 | 021 |

| I Counts t | | go East Fish Lift Veiwing |
|------------|---|--|
| Hour | | Gizzard Shad Passed |
| | | 516 |
| | | 2270 |
| | | 914 |
| | | 2134 |
| | | 743 |
| | | 1185 |
| | | 747 |
| | | 1185 |
| | | 521 |
| | | 1072 |
| | | 886 |
| | | 405 |
| | | 1213 |
| | | 1360 |
| | | 3131 |
| | | 1938 |
| | | 1727 |
| | | 968 |
| | | 208 |
| | | 37 |
| | | 740 |
| | | 682 |
| | | 725 |
| | | 1096 |
| | | 905 |
| | | 510 |
| | | 210 |
| | | 675 |
| | | 279 |
| | | 183 |
| | | 32 |
| | | 4 |
| | | |
| | | 705 |
| | | 2760 |
| | | 1539 |
| | | 1763 |
| | | 638 |
| | | 157 |
| | | 30 |
| | | 17 |
| | | 17 |
| | | 944 |
| | | 1582 |
| | | 1040 |
| | | 1172 |
| | | |
| | | 462 |
| 1300 | 1/1 | 546 |
| | Hour 1100 1200 1300 1400 1500 1600 1700 1800 1500 1400 1500 1600 1700 1800 1000 1100 1200 1300 1400 1500 1600 1700 1800 1000 1100 1200 1300 1400 1500 1600 1700 1800 1000 1100 1200 1300 1400 1500 1600 1700 1800 1000 1100 1200 1300 1400 1500 1600 1700 1800 1000 1100 1200 1300 1400 1500 1600 1700 1800 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 1000 1100 1200 1300 1400 1500 1500 1500 1500 1500 1500 15 | 1100 286 1200 413 1300 331 1400 406 1500 273 1600 317 1700 606 1800 485 800 458 900 766 1000 510 1100 361 1300 94 1400 65 1500 27 1600 156 1700 237 1800 418 1900 158 800 20 900 361 1000 404 1100 608 1200 588 1300 481 1400 315 1500 123 1600 249 1700 162 1800 91 800 35 900 13 1000 4 1100 24 1700 105 1 |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1500 | 125 | 4 |
| | 1600 | 244 | 92 |
| | 1700 | 196 | 82 |
| | 1800 | 100 | 64 |
| 5/20/2005 | 800 | 42 | 52 |
| | 900 | 66 | 272 |
| | 1000 | 129 | 164 |
| | 1100 | 86 | 772 |
| | 1200 | 105 | 537 |
| | 1300 | 53 | 780 |
| | 1400 | 57 | 1112 |
| | 1500 | 61 | 423 |
| | 1600 | 130 | 149 |
| | 1700 | 62 | 197 |
| | 1800 | 191 | 156 |
| 5/21/2005 | 800 | 34 | 10 ⁻ |
| | 900 | 142 | 1994 |
| | 1000 | 97 | 1750 |
| | 1100 | 48 | 1589 |
| | 1200 | 52 | 1022 |
| | 1300 | 122 | 600 |
| | 1400 | 68 | 500 |
| | 1500 | 58 | 300 |
| | 1600 | 89 | 678 |
| | 1700 | 360 | 597 |
| | 1800 | 301 | 48 |
| | 1900 | 203 | 411 |
| 5/22/2005 | 700 | 19 | 15 ² |
| | 800 | 83 | 390 |
| | 900 | 362 | 308 |
| | 1000 | 224 | 290 |
| | 1100 | 227 | 296 |
| | 1200 | 186 | 227 |
| | 1300 | 255 | 260 |
| | 1400 | 154 | 243 |
| | 1500 | 124 | 260 |
| | 1600 | 98 | 698 |
| | 1700 | 78 | 678 |
| | 1800 | 69 | 378 |
| 5/23/2005 | 800 | 54 | 85 |
| | 900 | 45 | 117 |
| | 1000 | 83 | 173 |
| | 1100 | 112 | 112 |
| | 1200 | 12 | 15 |
| | 1300 | 9 | 164 |
| | 1400 | 15 | 396 |
| | 1500 | 17 | 449 |
| | 1600 | 7 | 209 |
| | 1700 | 19 | 22 |

| T- | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1800 | 33 | 25 |
| 5/24/2005 | 800 | 5 | 63 |
| | 900 | 20 | 313 |
| | 1000 | 9 | 500 |
| | 1100 | 10 | 434 |
| | 1200 | 8 | 252 |
| | 1300 | 9 | 737 |
| | 1400 | 9 | 523 |
| | 1500 | 29 | 678 |
| | 1600 | 45 | 327 |
| 5/25/2005 | 800 | 4 | 36 |
| | 900 | 6 | 34 |
| | 1000 | 8 | 446 |
| | 1100 | 10 | 733 |
| | 1200 | 15 | 365 |
| | 1300 | 9 | 342 |
| | 1400 | 21 | 216 |
| | 1500 | 34 | 317 |
| | 1600 | 227 | 118 |
| | 1700 | 118 | 72 |
| 5/26/2005 | 800 | 15 | 200 |
| | 900 | 96 | 275 |
| | 1000 | 191 | 300 |
| | 1100 | 211 | 300 |
| | 1200 | 103 | 400 |
| | 1300 | 87 | 525 |
| | 1400 | 91 | 625 |
| | 1500 | 74 | 195 |
| | 1600 | 80 | 123 |
| | 1700 | 26 | |
| 5/27/2005 | 800 | 48 | 48 |
| | 900 | 108 | 204 |
| | 1000 | 24 | 10 |
| | 1100 | 233 | 797 |
| | 1200 | 85 | 92 |
| | 1300 | 16 | 11 |
| | 1400 | 57 | 111 |
| | 1500 | 84 | 37 |
| | 1600 | 43 | 53 |
| 5/28/2005 | 800 | 21 | 80 |
| | 900 | 115 | 97 |
| | 1000 | 127 | 135 |
| | 1100 | 75 | 220 |
| | 1200 | 39 | 68 |
| | 1300 | 0 | 150 |
| 5/29/2005 | 700 | 37 | 68 |
| | 800 | 38 | 57 |
| | 900 | 51 | 11 |
| | 1000 | 39 | 13 |

| Det | 11. | Window | 0' 10' - 15 |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1100 | 365 | 14 |
| | 1200 | 144 | 27 |
| | 1300 | 43 | 22 |
| | 1400 | 13 | 4 |
| 5/30/2005 | 1500 | 0 2 | |
| 5/30/2005 | 800 | 123 | 13 |
| | 900 | 123 | |
| | 1100 | 47 | - |
| | 1200 | 100 | 3 |
| | 1300 | 87 | 1 |
| | 1400 | 103 | 27 |
| | 1500 | 78 | 25 |
| | 1600 | 36 | 37 |
| 5/31/2005 | 800 | 0 | |
| 3/31/2003 | 900 | 15 | |
| | 1000 | 30 | |
| | 1100 | 58 | 7 |
| | 1200 | 31 | |
| | 1300 | 10 | |
| | 1400 | 0 | |
| | 1500 | 1 | |
| | 1600 | 0 | |
| 6/1/2005 | 800 | 0 | , |
| 0/1/2003 | 900 | 17 | |
| | 1000 | 19 | , |
| | 1100 | 6 | |
| | 1200 | 7 | |
| | 1300 | 55 | |
| | 1400 | 19 | |
| | 1500 | 53 | |
| | 1600 | 12 | |
| 6/2/2005 | 800 | 10 | |
| 0.000 | 900 | 78 | 4 |
| | 1000 | 26 | 1(|
| | 1100 | 117 | 1(|
| | 1200 | 155 | 16 |
| | 1300 | 39 | 1 |
| | 1400 | 2 | 20 |
| | 1500 | 0 | |
| | 1600 | 2 | 33 |
| 6/3/2005 | 900 | 56 | (|
| | 1000 | 132 | Į |
| | 1100 | 69 | - |
| | 1200 | 7 | |
| | 1300 | 42 | |
| | 1400 | 17 | |
| | 1500 | 4 | |
| 6/4/2005 | 800 | 0 | |

| Hourly Shad | d Counts | that Passed the Conowing Window | go East Fish Lift Veiwing |
|-------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 900 | 0 | 6 |
| | 1000 | 2 | 18 |
| | 1100 | 27 | 20 |
| | 1200 | 36 | 18 |
| | 1300 | 19 | 64 |
| | 1400 | 43 | 10 |
| | 1500 | 12 | 4 |
| | 1600 | 1 | 0 |
| 6/5/2005 | 800 | 10 | 0 |
| | 900 | 34 | 0 |
| | 1000 | 50 | 0 |
| | 1100 | 36 | 5 |
| | 1200 | 34 | 6 |
| | 1300 | 16 | 3 |
| | 1400 | 6 | 2 |
| | 1500 | 2 | 50 |
| 6/6/2005 | 800 | 2 | 10 |
| | 900 | 9 | 0 |
| | 1000 | 1 | 3 |
| | 1100 | 0 | 2 |
| | 1200 | 17 | 3 |
| | 1300 | 9 | 0 |
| | 1400 | 4 | 0 |
| 6/7/2005 | 700 | 0 | 19 |
| | 800 | 0 | 4 |
| | 900 | 16 | 24 |
| | 1000 | 4 | 10 |
| | 1100 | 7 | 23 |
| | 1200 | 3 | 17 |
| | 1300 | 5 | 23 |
| | 1400 | 4 | 12 |
| 6/8/2005 | 800 | 1 | 4 |
| | 900 | 40 | 15 |
| | 1000 | 7 | 17 |
| | 1100 | 16 | 16 |
| | 1200 | 7 | 3 |
| | 1300 | 2 | 2 |

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
|-----------|------|----------------------------|----------------------|
| Date | Houl | | Gizzaiù Silau Fasseu |
| | | 2006 | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 4/3/2006 | 1100 | 0 | (|
| | 1200 | 0 | |
| | 1300 | 1 | 8: |
| | 1400 | 0 | 6 |
| | 1500 | 2 | 9 |
| | 1600 | 1 | 3 |
| 4/5/2006 | 1200 | 0 | 82 |
| | 130 | 1 | 15 |
| | 1400 | 1 | 9 |
| | 1500 | 1 | 6 |
| | 1600 | 1 | 26 |
| 4/7/2006 | 1100 | 0 | 308 |
| | 1200 | 0 | 78 |
| | 1300 | 35 | 14 |
| | 1400 | 185 | 21 |
| | 1500 | 178 | 8 |
| | 1600 | 86 | 3 |
| | 1700 | 23 | 4 |
| 4/8/2006 | 1000 | 23 | 106 |
| 1/0/2000 | 1100 | 2 | 171 |
| | 1200 | 4 | 65 |
| | 1300 | 42 | 32 |
| | 1400 | 138 | 82 |
| | 1500 | 86 | 65 |
| | 1600 | 134 | 36 |
| 4/9/2006 | 1000 | 55 | 2 |
| 4/9/2006 | 1100 | 5 | 2 |
| | 1200 | 6 | |
| | | | 19 |
| | 1300 | 0 | 57 |
| | 1400 | 6 | 59 |
| | 1500 | 101 | 58 |
| | 1600 | 42 | 25 |
| 1/40/0000 | 1700 | 12 | |
| 4/10/2006 | 1000 | 0 | 4 |
| | 1100 | 5 | 2 |
| | 1200 | 1 | 89 |
| | 1300 | 0 | 7 |
| | 1400 | 5 | 5 |
| | 1500 | 17 | 4 |
| | 1600 | 27 | 2 |
| 1/11/2006 | 1000 | 0 | 2 |
| | 1100 | 1 | 1 |
| | 1200 | 2 | 8 |
| | 1300 | 5 | 4 |
| | 1400 | 5 | 1 |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1500 | 3 | 10 |
| | 1600 | 12 | Ę |
| 4/13/2006 | 1100 | 0 | 2424 |
| | 1200 | 1 | 233 |
| | 1300 | 20 | 480 |
| | 1400 | 106 | 242 |
| | 1500 | 315 | 965 |
| | 1600 | 270 | 34′ |
| | 1700 | 125 | 70′ |
| | 1800 | 13 | 29 |
| 4/14/2006 | 1100 | 14 | 2916 |
| | 1200 | 22 | 1060 |
| | 1300 | 57 | 972 |
| | 1400 | 106 | 1469 |
| | 1500 | 160 | 225 |
| | 1600 | 401 | 101 |
| | 1700 | 285 | 140 |
| | 1800 | 104 | 23 |
| 4/15/2006 | 1000 | 50 | 2355 |
| | 1100 | 51 | 1889 |
| | 1200 | 17 | 2674 |
| | 1300 | 100 | 267 |
| | 1400 | 241 | 473 |
| | 1500 | 189 | 121 |
| | 1600 | 185 | 330 |
| | 1700 | 51 | 44 |
| 4/16/2006 | 1000 | 25 | 35 |
| | 1100 | 7 | 42 |
| | 1200 | 6 | 167 |
| | 1300 | 28 | 526 |
| | 1400 | 74 | 709 |
| | 1500 | 133 | 192 |
| | 1600 | 196 | 110 |
| | 1700 | 159 | 30 |
| 4/17/2006 | 1000 | 1 | 13 |
| | 1100 | 57 | 1400 |
| | 1200 | 35 | 1600 |
| | 1300 | 47 | 1300 |
| | 1400 | 305 | 56′ |
| | 1500 | 449 | 393 |
| | 1600 | 661 | 556 |
| | 1700 | 487 | 330 |
| 4/18/2006 | 1000 | 81 | 39 |
| | 1100 | 59 | 1660 |
| | 1200 | 27 | 1773 |
| | 1300 | 17 | 133′ |
| | 1400 | 22 | 1033 |
| | 1500 | 187 | 740 |
| | 1600 | 70 | 172 |

| Hourly Shad | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------|----------|----------------------------|---------------------------|
| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
| Date | 1700 | 37 | 304 |
| 4/19/2006 | | 4 | 2335 |
| 4/19/2000 | 1000 | 0 | |
| | 1100 | | 2241 |
| | 1200 | 2 | 2789 |
| | 1300 | 0 | 959 |
| | 1400 | 0 | 434 |
| | 1500 | 2 | 885 |
| | 1600 | 3 | 417 |
| | 1700 | 11 | 604 |
| 4/20/2006 | 900 | 0 | 70 |
| | 1000 | 13 | 741 |
| | 1100 | 3 | 2153 |
| | 1200 | 22 | 2515 |
| | 1300 | 47 | 1404 |
| | 1400 | 38 | 3962 |
| | 1500 | 220 | 2685 |
| | 1600 | 221 | 4003 |
| | 1700 | 242 | 3194 |
| | 1800 | 248 | 2313 |
| 4/21/2006 | 900 | 48 | 333 |
| 4/21/2000 | 1000 | 24 | 3700 |
| | | | |
| | 1100 | 4 | 2354 |
| | 1200 | 2 | 2075 |
| | 1300 | 1 | 4135 |
| | 1400 | 1 | 1867 |
| | 1500 | 42 | 136 |
| | 1600 | 466 | 898 |
| | 1700 | 370 | 160 |
| | 1800 | 175 | 224 |
| | 1900 | 78 | 62 |
| 4/22/2006 | 800 | 78 | 847 |
| | 900 | 307 | 620 |
| | 1000 | 521 | 762 |
| | 1100 | 772 | 801 |
| | 1200 | 814 | 449 |
| | 1300 | 271 | 605 |
| | 1400 | 141 | 486 |
| | 1500 | 201 | 319 |
| | 1600 | 41 | 312 |
| | 1700 | 36 | 268 |
| 4/23/2006 | 800 | 28 | 1453 |
| 7/23/2000 | 900 | 10 | 2174 |
| | | | |
| | 1000 | 12 | 480 |
| | 1100 | 2 | 3346 |
| | 1200 | 11 | 2065 |
| | 1300 | 31 | 3780 |
| | 1400 | 111 | 609 |
| | 1500 | 486 | 2642 |
| | 1600 | 1361 | 1213 |

| | | that Passed the Conowing Window | |
|-----------|------|------------------------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1700 | 1456 | 2638 |
| | 1800 | 353 | 4362 |
| 4/24/2006 | 800 | 221 | 3328 |
| | 900 | 47 | 4694 |
| | 1000 | 34 | 6657 |
| | 1100 | 8 | 3760 |
| | 1200 | 9 | 3587 |
| | 1300 | 16 | 4437 |
| | 1400 | 17 | 1183 |
| | 1500 | 14 | 2317 |
| | 1600 | 18 | 1538 |
| | 1700 | 4 | 4140 |
| | 1800 | 0 | 220 |
| 4/25/2006 | 800 | 2 | 1112 |
| | 900 | 3 | 7003 |
| | 1000 | 5 | 4066 |
| | 1100 | 5 | 4180 |
| | 1200 | 3 | 4406 |
| | 1300 | 3 | 1803 |
| | 1400 | 3 | 2437 |
| | 1500 | 0 | 1106 |
| 4/26/2006 | 800 | 2 | 3000 |
| | 900 | 0 | 3000 |
| | 1000 | 0 | 2481 |
| | 1100 | 0 | 3198 |
| | 1200 | 0 | 3000 |
| | 1300 | 0 | 2600 |
| | 1400 | 1 | 2193 |
| | 1500 | 0 | 1865 |
| | 1600 | 0 | 1449 |
| 4/27/2006 | 800 | 0 | 3910 |
| | 900 | 0 | 3500 |
| | 1000 | 0 | 6320 |
| | 1100 | 2 | 3172 |
| | 1200 | 3 | 2716 |
| | 1300 | 0 | 3017 |
| | 1400 | 9 | 3060 |
| | 1500 | 30 | 1646 |
| | 1600 | 43 | 1861 |
| 4/28/2006 | 800 | 40 | 2604 |
| | 900 | 9 | 2222 |
| | 1000 | 3 | 2450 |
| | 1100 | 6 | 4150 |
| | 1200 | 6 | 2003 |
| | 1300 | 30 | 3452 |
| | 1400 | 85 | 2227 |
| | 1500 | 79 | 1892 |
| | 1600 | 98 | 1825 |
| | 1700 | 39 | 1526 |

| Hourly Shac | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|----------------|-------------|----------------------------|---------------------------|
| Doto | Цолг | Window Amercan Shad Passed | Gizzard Shad Passed |
| Date 4/29/2006 | Hour 800 | | |
| 4/29/2006 | | 14 | 61 |
| | 900 | 35 | 1607 |
| | 1000 | 9 | 2010 |
| | 1100 | 4 | 1496 |
| | 1200 | 3 | 3156 |
| | 1300 | 5 32 | 2008 |
| | 1400 | | 1645 |
| | 1500 | 64 | 1964 |
| | 1600 | 66 | 3258 |
| 4/20/2006 | 1700 | 52 | 1611 |
| 4/30/2006 | 800 | 42 | 174 |
| | 900 | 11 | 73 |
| | 1000 | 18 | 394 |
| | 1100 | 20 | 365 |
| | 1200 | 36 | 406 |
| | 1300 | 46 | 2744 |
| | 1400 | 195 | 2217 |
| | 1500 | 240 | 2893 |
| | 1600 | 236 | 4237 |
| | 1700 | 296 | 3610 |
| | 1800 | 488 | 3853 |
| 5/1/2006 | 800 | 58 | 83 |
| | 900 | 90 | 3000 |
| | 1000 | 30 | 4484 |
| | 1100 | 25 | 2703 |
| | 1200 | 62 | 1490 |
| | 1300 | 261 | 440 |
| | 1400 | 277 | 295 |
| | 1500 | 608 | 287 |
| | 1600 | 469 | 96 |
| | 1700 | 171 | 64 |
| 5/2/2006 | 800 | 40 | 3886 |
| | 900 | 33 | 2073 |
| | 1000 | 96 | 3791 |
| | 1100 | 136 | 2809 |
| | 1200 | 156 | 782 |
| | 1300 | 504 | 1255 |
| | 1400 | 635 | 850 |
| | 1500 | 631 | 1461 |
| | 1600 | 428 | 182 |
| | 1700 | 206 | 195 |
| 5/3/2006 | 800 | 64 | 976 |
| | 900 | 55 | 3056 |
| | 1000 | 371 | 2696 |
| | 1100 | 604 | 4909 |
| | 1200 | 522 | 1867 |
| | 1300 | 780 | 3050 |
| | 1400 | 734 | 2544 |
| | 1500 | 715 | 1716 |

| Dat | 11. | Window | 0' 10' 15 |
|----------|-------------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1600 | 883 | 138 |
| | 1700 | 1015 | 208 |
| | 1800 | 387 | 58 |
| 5/4/2006 | 800 | 7 | 1 |
| | 900 | 9 | |
| 5/5/2006 | 900 | 30 | |
| | 1000 | 309 | 158 |
| | 1100 | 755 | 324 |
| | 1200 | 971 | 274 |
| | 1300 | 803 | 311 |
| | 1400 | 538 | 212 |
| | 1500 | 556 | 181 |
| | 1600 | 213 | 201 |
| | 1700 | 230 | 84 |
| | 1800 | 126 | 95 |
| | 1900 | 118 | 104 |
| 5/6/2006 | 800 | 81 | 87 |
| | 900 | 76 | 226 |
| | 1000 | 32 | 248 |
| | 1100 | 17 | 101 |
| | 1200 | 49 | 271 |
| | 1300 | 98 | 207 |
| | 1400 | 368 | 201 |
| | 1500 | 165 | 276 |
| | 1600 | 121 | 399 |
| | 1700 | 316 | 232 |
| | 1800 | 206 | 154 |
| 5/7/2006 | 900 | 326 | 137 |
| 0/1/2000 | 1000 | 690 | 306 |
| | 1100 | 596 | 177 |
| | 1200 | 589 | 180 |
| | 1300 | 503 | 155 |
| | 1400 | 471 | 112 |
| | 1500 | 186 | 65 |
| | 1600 | 139 | 45 |
| | 1700 | 222 | 64 |
| | 1800 | 92 | 75 |
| 5/8/2006 | 800 | 37 | |
| 0/0/2000 | 900 | 69 | 444 |
| | 1000 | 138 | 254 |
| | 1100 | 135 | 474 |
| | 1200 | 19 | 18 |
| | 1300 | 43 | 15 |
| | 1400 | 151 | 229 |
| | | | |
| | 1500 | 336 | 166 |
| | 1600 | 406 | 126 |
| | 1700 | 128 | 66 |
| 5/9/2006 | 1800 800 | 11 | 39 |

| T | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 900 | 35 | 1428 |
| | 1000 | 85 | 769 |
| | 1100 | 98 | 4267 |
| | 1200 | 44 | 573 <i>′</i> |
| | 1300 | 59 | 2926 |
| | 1400 | 144 | 3710 |
| | 1500 | 122 | 2443 |
| | 1600 | 55 | 4127 |
| 5/10/2006 | 800 | 16 | 237 |
| | 900 | 108 | 1840 |
| | 1000 | 50 | 188 |
| | 1100 | 19 | 2146 |
| | 1200 | 49 | 1302 |
| | 1300 | 83 | 1633 |
| | 1400 | 143 | 668 |
| | 1500 | 333 | 862 |
| | 1600 | 97 | 350 |
| | 1700 | 80 | 519 |
| | 1800 | 5 | 44 |
| 5/11/2006 | 800 | 24 | 2903 |
| | 900 | 142 | 4760 |
| | 1000 | 234 | 1146 |
| | 1100 | 234 | 1923 |
| | 1200 | 314 | 310 |
| | 1300 | 209 | 1752 |
| | 1400 | 214 | 1386 |
| | 1500 | 151 | 1029 |
| | 1600 | 81 | 500 |
| | 1700 | 17 | 593 |
| 5/12/2006 | 800 | 9 | 353 |
| | 900 | 29 | 167′ |
| | 1000 | 28 | 2253 |
| | 1100 | 30 | 818 |
| | 1200 | 39 | 4988 |
| | 1300 | 60 | 2718 |
| | 1400 | 49 | 1913 |
| | 1500 | 59 | 3350 |
| | 1600 | 76 | 5450 |
| | 1700 | 46 | 2255 |
| 5/13/2006 | 800 | 27 | 154 |
| | 900 | 66 | 274 |
| | 1000 | 104 | 1883 |
| | 1100 | 49 | 86 |
| | 1200 | 88 | 2627 |
| | 1300 | 71 | 1572 |
| | 1400 | 51 | 49 |
| | 1500 | 94 | 924 |
| | 1600 | 43 | 500 |
| | 1700 | 57 | 542 |

| | | Window | |
|-------------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 5/14/2006 | 800 | 13 | 43 |
| | 900 | 96 | 1954 |
| | 1000 | 211 | 1892 |
| | 1100 | 151 | 1038 |
| | 1200 | 68 | 1401 |
| | 1300 | 124 | 1247 |
| | 1400 | 127 | 1369 |
| | 1500 | 130 | 2120 |
| | 1600 | 130 | 857 |
| | 1700 | 26 | 613 |
| 5/15/2006 | 800 | 4 | 1; |
| | 900 | 29 | 2693 |
| | 1000 | 28 | 587 |
| | 1100 | 27 | 3774 |
| | 1200 | 27 | 119 ⁻ |
| | 1300 | 11 | 2687 |
| | 1400 | 57 | 2354 |
| | 1500 | 74 | 1254 |
| | 1600 | 24 | 430 |
| | 1700 | 13 | 609 |
| 5/16/2006 | 800 | 15 | 222 |
| 3, 13, 2333 | 900 | 3 | 169 ⁻ |
| | 1000 | 3 | 3964 |
| | 1100 | 4 | 495 |
| | 1200 | 96 | 398 |
| | 1300 | 67 | 306 |
| | 1400 | 51 | 669 |
| | 1500 | 86 | 18 |
| | 1600 | 72 | 228 |
| | 1700 | 21 | 22 |
| 5/17/2006 | 800 | 2 | 114 |
| 3/11/2000 | 900 | 2 | 98: |
| | 1000 | 10 | 279 |
| | 1100 | 28 | 592 |
| | 1200 | 53 | 234 |
| | 1300 | 236 | 994 |
| | 1400 | 121 | 1710 |
| | 1500 | 72 | 1560 |
| | | | |
| | 1600 | 50 | 528 |
| E/40/0000 | 1700 | 13 | 780 |
| 5/18/2006 | 800 | 20 | 42 |
| | 900 | 21 | 2058 |
| | 1000 | 35 | 122 |
| | 1100 | 64 | 1820 |
| | 1200 | 41 | 72! |
| | 1300 | 32 | 1169 |
| | 1400 | 47 | 753 |
| | 1500 | 42 | 73 |
| | 1600 | 14 | 66 |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1700 | 14 | 1377 |
| | 1800 | 6 | 227 |
| 5/19/2006 | 800 | 11 | 562 |
| | 900 | 15 | 669 |
| | 1000 | 24 | 597 |
| | 1100 | 61 | 1296 |
| | 1200 | 83 | 536 |
| | 1300 | 76 | 680 |
| | 1400 | 61 | 716 |
| | 1500 | 86 | 1556 |
| | 1600 | 85 | 580 |
| | 1700 | 41 | 490 |
| 5/20/2006 | 800 | 19 | 38 |
| 0,20,200 | 900 | 11 | 28 |
| | 1000 | 20 | 22 |
| | 1100 | 19 | 1 |
| | 1200 | 103 | 60 |
| | 1300 | 21 | 41 |
| | 1400 | 55 | 267 |
| | 1500 | 56 | 93 |
| | 1600 | 68 | 98 |
| | 1700 | 78 | |
| 5/21/2006 | 800 | 7 | |
| 3/21/2006 | 900 | 40 | 45 |
| | | | |
| | 1000 | 129 | 256 |
| | 1100 | 193 244 | 230 |
| | 1200 | | 363 |
| | 1300 | 254 | 524 |
| | 1400 | 161 | 346 |
| | 1500 | 129 | 142 |
| | 1600 | 80 | 91 |
| 5/00/0000 | 1700 | 59 | 21 |
| 5/22/2006 | 800 | 8 | 9 |
| | 900 | 16 | 257 |
| | 1000 | 47 | 695 |
| | 1100 | 54 | 800 |
| | 1200 | 63 | 713 |
| | 1300 | 55 | 967 |
| | 1400 | 88 | 944 |
| | 1500 | 34 | 537 |
| | 1600 | 36 | 87 |
| | 1700 | 8 | 627 |
| 5/23/2006 | 800 | 13 | 53 |
| | 900 | 13 | 278 |
| | 1000 | 24 | 1004 |
| | 1100 | 25 | 214 |
| | 1200 | 51 | 444 |
| | 1300 | 61 | 117 |
| | 1400 | 31 | 17 |

| | | that Passed the Conowing Window | |
|-----------|------|---------------------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1500 | 67 | 51 |
| | 1600 | 47 | 15 |
| | 1700 | 26 | 12 |
| 5/24/2006 | 800 | 7 | 5 |
| | 900 | 7 | 1231 |
| | 1000 | 3 | 1918 |
| | 1100 | 17 | 1335 |
| | 1200 | 8 | 1119 |
| | 1300 | 43 | 137 |
| | 1400 | 87 | 74 |
| | 1500 | 3 | 10 |
| | 1600 | 127 | 59 |
| | 1700 | 162 | 93 |
| | 1800 | 45 | 5 |
| 5/25/2006 | 800 | 7 | 17 |
| 0.00.00 | 900 | 18 | 124 |
| | 1000 | 70 | 317 |
| | 1100 | 132 | 355 |
| | 1200 | 140 | 373 |
| | 1300 | 87 | 270 |
| | 1400 | 51 | 713 |
| | 1500 | 43 | 502 |
| | 1600 | 45 | 488 |
| | 1700 | 21 | 363 |
| 5/26/2006 | 700 | 11 | 6 |
| 3/20/2000 | 800 | 27 | 813 |
| | 900 | 88 | 152 |
| | 1000 | 74 | 426 |
| | 1100 | 56 | 622 |
| | 1200 | 97 | 530 |
| | 1300 | 74 | 430 |
| | 1400 | 95 | 330 |
| | 1500 | 78 | 597 |
| | 1600 | 77 | 373 |
| | 1700 | 58 | 333 |
| 5/27/2006 | 800 | 52 | 1000 |
| 3/21/2000 | 900 | 136 | 1000 |
| | 1000 | 164 | |
| | 1100 | 133 | 600 |
| | | | 953 |
| | 1200 | 169 | 906 |
| | 1300 | 32 | 106 |
| | 1400 | 5 | 53 |
| | 1500 | 5 7 | 595 |
| | 1600 | | 95 |
| F/00/0000 | 1700 | 12 | 894 |
| 5/28/2006 | 800 | 15 | 60 |
| | 900 | 22 | 476 |
| | 1000 | 44 | 584 |
| | 1100 | 100 | 821 |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1200 | 94 | 567 |
| | 1300 | 62 | 447 |
| | 1400 | 89 | 532 |
| | 1500 | 29 | 135 |
| | 1600 | 29 | 620 |
| | 1700 | 22 | 127 |
| 5/29/2006 | 700 | 4 | 152 |
| | 800 | 174 | 860 |
| | 900 | 73 | 1650 |
| | 1000 | 89 | 428 |
| | 1100 | 60 | 841 |
| | 1200 | 54 | 356 |
| | 1300 | 33 | 182 |
| | 1400 | 17 | 24 |
| | 1500 | 13 | 64 |
| 5/30/2006 | 700 | 15 | 147 |
| | 800 | 18 | 173 |
| | 900 | 17 | 206 |
| | 1000 | 3 | 48 |
| | 1100 | 36 | 214 |
| | 1200 | 5 | 177 |
| | 1300 | 6 | 127 |
| | 1400 | 3 | 132 |
| | 1500 | 2 | 104 |
| 5/31/2006 | 800 | 173 | 232 |
| | 900 | 168 | 682 |
| | 1000 | 86 | 662 |
| | 1100 | 22 | 770 |
| | 1200 | 18 | 62 |
| | 1300 | 14 | 20 |
| | 1400 | 9 | 63 |
| | 1500 | 11 | 62 |
| 6/1/2006 | 800 | 91 | 8 |
| | 900 | 68 | 90 |
| | 1000 | 50 | 71 |
| | 1100 | 19 | 76 |
| | 1200 | 4 | 35 |
| | 1300 | 16 | 14 |
| | 1400 | 5 | 240 |
| | 1500 | 3 | 164 |
| 6/2/2006 | 700 | 1 | 20 |
| | 800 | 51 | 23 |
| | 900 | 53 | 174 |
| | 1000 | 37 | 82 |
| | 1100 | 2 | 195 |
| | 1200 | 31 | 100 |
| | 1300 | 13 | 342 |
| | 1400 | 1 | 23 |
| | 1500 | 1 | 21 |

| Hourly Shad | d Counts t | that Passed the Conowing Window | go East Fish Lift Veiwing |
|-------------|------------|---------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 6/3/2006 | 700 | 0 | 4 |
| | 800 | 69 | 64 |
| | 900 | 28 | 347 |
| | 1000 | 9 | 567 |
| | 1100 | 3 | 54 |
| | 1200 | 1 | 723 |
| | 1300 | 12 | 33 |
| | 1400 | 0 | 15 |
| 6/4/2006 | 700 | 1 | 0 |
| | 800 | 31 | 57 |
| | 900 | 11 | 70 |
| | 1000 | 5 | 24 |
| | 1100 | 3 | 26 |
| | 1200 | 6 | 150 |
| | 1300 | 2 | 199 |
| | 1400 | 2 | 159 |
| 6/5/2006 | 700 | 0 | 50 |
| | 800 | 2 | 157 |
| | 900 | 2 | 5 |
| | 1000 | 3 | 78 |
| | 1100 | 1 | 20 |
| | | | |

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
|-----------|-------|----------------------------|-----------------------|
| Date | rioui | | CIZZAIA CIIAA I ACCCA |
| | | 2007 | |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 4/23/2007 | 1200 | 0 | 100 |
| | 1300 | 0 | 235 |
| | 1400 | 0 | 162 |
| | 1500 | 0 | 309 |
| 4/24/2007 | 1000 | 0 | 321 |
| | 1100 | 0 | 708 |
| | 1200 | 0 | 344 |
| | 1300 | 0 | 282 |
| | 1400 | 0 | 796 |
| | 1500 | 0 | 117 |
| 4/25/2007 | 1000 | 0 | 750 |
| | 1100 | 0 | 2270 |
| | 1200 | 0 | 728 |
| | 1300 | 0 | 1280 |
| | 1400 | 0 | 1529 |
| | 1500 | 0 | 4250 |
| 4/26/2007 | 1000 | 0 | 2460 |
| | 1100 | 0 | 3274 |
| | 1200 | 0 | 1208 |
| | 1300 | 0 | 594 |
| | 1400 | 1 | 2423 |
| | 1500 | 0 | 1790 |
| 4/27/2007 | 1100 | 0 | 5650 |
| | 1200 | 2 | 436 |
| | 1300 | 3 | 164 |
| | 1400 | 20 | 273 |
| | 1500 | 18 | 277 |
| | 1600 | 76 | 141 |
| | 1700 | 79 | 317 |
| | 1800 | 26 | 1062 |
| 4/28/2007 | 1000 | 44 | 560 |
| | 1100 | 5 | 460 |
| | 1200 | 3 | 456 |
| | 1300 | 1 | 1580 |
| | 1400 | 1 | 9400 |
| | 1500 | 1 | 931 |
| 4/29/2007 | 900 | 0 | 800 |
| | 1000 | 1 | 5879 |
| | 1100 | 0 | 4482 |
| | 1200 | 0 | 350 |
| | 1300 | 3 | 152 |
| | 1400 | 342 | 114 |
| | 1500 | 361 | 1523 |
| | 1600 | 309 | 161 |
| | 1700 | 296 | 145 |

| Hourly Shad | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------|----------|--------------------------|---------------------------|
| Doto | Harri | Window | Cirrord Chad Dassad |
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 4/30/2007 | 800 | 30 | 3500 |
| | 900 | 32 | 3430 |
| | 1000 | 17 | 1938 |
| | 1100 | 6 | 3180 |
| | 1200 | 3 | 2430 |
| | 1300 | 3 | 1770 |
| | 1400 | 0 | 1480 |
| | 1500 | 2 | 2440 |
| | 1600 | 1 | 840 |
| 5/1/2007 | 800 | 0 | 4232 |
| | 900 | 3 | 1024 |
| | 1000 | 10 | 1512 |
| | 1100 | 19 | 2397 |
| | 1200 | 45 | 1848 |
| | 1300 | 21 | 3229 |
| | 1400 | 36 | 1257 |
| | 1500 | 12 | 1343 |
| | 1600 | 15 | 2454 |
| | 1700 | 8 | 1205 |
| 5/2/2007 | 800 | 3 | 1714 |
| 0/2/2001 | 900 | 43 | 315 |
| | 1000 | 83 | 1950 |
| | 1100 | 68 | 1520 |
| | 1200 | 91 | 3000 |
| | 1300 | 290 | 2700 |
| | | | |
| | 1400 | 323 | 1372 |
| | 1500 | 371 | 1100 |
| | 1600 | 211 | 1100 |
| | 1700 | 190 | 2100 |
| - 10 10 00 | 1800 | 75 | 670 |
| 5/3/2007 | 800 | 16 | 1012 |
| | 900 | 79 | 792 |
| | 1000 | 62 | 1180 |
| | 1100 | 75 | 779 |
| | 1200 | 54 | 285 |
| | 1300 | 317 | 337 |
| | 1400 | 577 | 778 |
| | 1500 | 504 | 305 |
| | 1600 | 323 | 370 |
| | 1700 | 221 | 1019 |
| | 1800 | 95 | 428 |
| 5/4/2007 | 800 | 70 | 1635 |
| | 900 | 21 | 2489 |
| | 1000 | 12 | 363 |
| | 1100 | 93 | 203 |
| | 1200 | 329 | 853 |
| | 1300 | 249 | 1289 |
| | 1400 | 227 | 2466 |
| | 1500 | 137 | 1010 |

| | | Window | |
|------------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1600 | 110 | 199 |
| | 1700 | 71 | 83 |
| 5/5/2007 | 1200 | 17 | 145 |
| | 1300 | 10 | 280 |
| | 1400 | 10 | 245 |
| | 1500 | 17 | 185 |
| | 1600 | 65 | 260 |
| | 1700 | 132 | 180 |
| | 1800 | 152 | 80 |
| 5/6/2007 | 800 | 31 | 170 |
| | 900 | 44 | 26 ⁻ |
| | 1000 | 12 | 102 |
| | 1100 | 15 | 292 |
| | 1200 | 39 | 100 |
| | 1300 | 40 | 88 |
| | 1400 | 170 | 20 |
| | 1500 | 302 | 87 |
| | 1600 | 127 | 7′ |
| | 1700 | 104 | 95 |
| | 1800 | 46 | 49 |
| 5/7/2007 | 800 | 6 | 149 |
| 3/1/2001 | 900 | 9 | 86 |
| | 1000 | 21 | 238 |
| | 1100 | 6 | 142 |
| | 1200 | 27 | 55 |
| | 1300 | 59 | 27: |
| | 1400 | 33 | |
| | | | 178 |
| | 1500 | 78 | 33 |
| | 1600 | 21 | 130 |
| | 1700 | 14 | 224 |
| - /0 /0007 | 1800 | 6 | 6 |
| 5/8/2007 | 800 | 17 | 16 |
| | 900 | 32 | 290 |
| | 1000 | 17 | 100 |
| | 1100 | 6 | 130 |
| | 1200 | 223 | 33 |
| | 1300 | 430 | 393 |
| | 1400 | 944 | 38 |
| | 1500 | 615 | 140 |
| | 1600 | 450 | 102 |
| | 1700 | 256 | 6 |
| | 1800 | 35 | 32 |
| 5/9/2007 | 800 | 11 | 111 |
| | 900 | 34 | 154 |
| | 1000 | 86 | 168 |
| | 1100 | 137 | 169 |
| | 1200 | 119 | 100 |
| | 1300 | 235 | 56 |
| | 1400 | 333 | 17: |

| | | Window | |
|------------|------------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1500 | 272 | 478 |
| | 1600 | 144 | 302 |
| | 1700 | 162 | 595 |
| | 1800 | 24 | 1123 |
| 5/10/2007 | 800 | 17 | 2240 |
| | 900 | 117 | 3000 |
| | 1000 | 102 | 2570 |
| | 1100 | 225 | 1345 |
| | 1200 | 285 | 670 |
| | 1300 | 264 | 3480 |
| | 1400 | 127 | 1510 |
| | 1500 | 152 | 50′ |
| | 1600 | 218 | 530 |
| | 1700 | 147 | 740 |
| | 1800 | 68 | 1040 |
| 5/11/2007 | 800 | 87 | 2610 |
| | 900 | 46 | 3268 |
| | 1000 | 88 | 2934 |
| | 1100 | 124 | 4011 |
| | 1200 | 126 | 1966 |
| | 1300 | 91 | 2789 |
| | 1400 | 56 | 996 |
| | 1500 | 102 | 1461 |
| | 1600 | 52 | 767 |
| | 1700 | 17 | 478 |
| 5/12/2007 | 800 | 7 | 756 |
| 0, 12,2001 | 900 | 56 | 1630 |
| | 1000 | 375 | 2123 |
| | 1100 | 415 | 2096 |
| | 1200 | 335 | 1563 |
| | 1300 | 246 | 1500 |
| | 1400 | 232 | 1390 |
| | 1500 | 166 | 124 |
| | 1600 | 103 | 755 |
| | 1700 | 134 | 1587 |
| | 1800 | 39 | 1650 |
| 5/13/2007 | 800 | 93 | 1713 |
| 0/10/2007 | 900 | 170 | 2000 |
| | 1000 | 171 | 2200 |
| | 1100 | 114 | 2500 |
| | 1200 | 111 | 1300 |
| | 1300 | 74 | 1100 |
| | 1400 | 148 | 1375 |
| | 1500 | 108 | 415 |
| | 1600 | 154 | 475 |
| | 1700 | 9 | 473 |
| | | 17 | |
| E/4.4/2007 | 1800 | | 350 |
| 5/14/2007 | 800 900 | 8 8 | 790 959 |

| Hourly Shad | | that Passed the Conowing Window | |
|-------------|------|---------------------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1000 | 6 | 970 |
| | 1100 | 5 | 1803 |
| | 1200 | 2 | 1056 |
| | 1300 | 9 | 784 |
| | 1400 | 4 | 737 |
| | 1500 | 4 | 768 |
| | 1600 | 2 | 689 |
| 5/15/2007 | 800 | 1 | 288 |
| | 900 | 5 | 905 |
| | 1000 | 48 | 1790 |
| | 1100 | 108 | 3094 |
| | 1200 | 22 | 1485 |
| | 1300 | 22 | 1479 |
| | 1400 | 38 | 1470 |
| | 1500 | 39 | 1233 |
| | 1600 | 13 | 1133 |
| | 1700 | 9 | 312 |
| 5/16/2007 | 800 | 6 | 479 |
| | 900 | 5 | 1391 |
| | 1000 | 3 | 4300 |
| | 1100 | 30 | 5300 |
| | 1200 | 69 | 1765 |
| | 1300 | 74 | 2544 |
| | 1400 | 67 | 2131 |
| | 1500 | 45 | 979 |
| | 1600 | 48 | 2194 |
| | 1700 | 54 | 334 |
| 5/17/2007 | 800 | 36 | 830 |
| | 900 | 102 | 4220 |
| | 1000 | 90 | 2210 |
| | 1100 | 36 | 3260 |
| | 1200 | 72 | 5223 |
| | 1300 | 21 | 1357 |
| | 1400 | 47 | 1950 |
| | 1500 | 50 | 1880 |
| | 1600 | 42 | 1350 |
| | 1700 | 17 | 786 |
| 5/18/2007 | 800 | 34 | 473 |
| 0, 10, 2001 | 900 | 41 | 2062 |
| | 1000 | 63 | 722 |
| | 1100 | 29 | 3464 |
| | 1200 | 34 | 1550 |
| | 1300 | 27 | 2815 |
| | 1400 | 18 | 1405 |
| | 1500 | 13 | 2422 |
| | 1600 | 10 | 2333 |
| | 1700 | 11 | 1490 |
| 5/19/2007 | 800 | 76 | 1519 |
| 5, 15,2007 | 900 | 271 | 1826 |

| | | Window | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1000 | 321 | 1072 |
| | 1100 | 309 | 1307 |
| | 1200 | 311 | 1623 |
| | 1300 | 261 | 1625 |
| | 1400 | 227 | 1113 |
| | 1500 | 100 | 864 |
| | 1600 | 44 | 862 |
| | 1700 | 16 | 308 |
| 5/20/2007 | 800 | 74 | 2884 |
| | 900 | 127 | 1368 |
| | 1000 | 194 | 1171 |
| | 1100 | 137 | 1363 |
| | 1200 | 103 | 1419 |
| | 1300 | 74 | 1030 |
| | 1400 | 42 | 1260 |
| | 1500 | 27 | 1325 |
| | 1600 | 4 | 70 |
| 5/21/2007 | 800 | 3 | 1154 |
| | 900 | 1 | 1094 |
| | 1000 | 7 | 938 |
| | 1100 | 16 | 1412 |
| | 1200 | 6 | 1111 |
| | 1300 | 12 | 789 |
| | 1400 | 0 | 939 |
| | 1500 | 0 | 39 |
| | 1600 | 1 | 362 |
| 5/22/2007 | 800 | 14 | 743 |
| | 900 | 38 | 860 |
| | 1000 | 111 | 1740 |
| | 1100 | 81 | 1111 |
| | 1200 | 52 | 2470 |
| | 1300 | 36 | 1090 |
| | 1400 | 12 | 379 |
| | 1500 | 13 | 791 |
| | 1600 | 7 | 370 |
| 5/23/2007 | 800 | 11 | 462 |
| | 900 | 68 | 826 |
| | 1000 | 124 | 2900 |
| | 1100 | 80 | 1416 |
| | 1200 | 33 | 1169 |
| | 1300 | 30 | 537 |
| | 1400 | 8 | 655 |
| | 1500 | 12 | 393 |
| | 1600 | 3 | 793 |
| 5/24/2007 | 800 | 23 | 660 |
| | 900 | 61 | 710 |
| | 1000 | 99 | 480 |
| | 1100 | 96 | 730 |
| | 1200 | 69 | 570 |

| Hourly Shad | d Counts | that Passed the Conowing Window | go East Fish Lift Veiwing |
|-------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1300 | 37 | 740 |
| | 1400 | 20 | 315 |
| | 1500 | 4 | 190 |
| | 1600 | 1 | 104 |
| 5/25/2007 | 800 | 14 | 415 |
| | 900 | 42 | 510 |
| | 1000 | 46 | 357 |
| | 1100 | 45 | 792 |
| | 1200 | 30 | 433 |
| | 1300 | 4 | 344 |
| | 1400 | 6 | 296 |
| | 1500 | 3 | 60 |
| | 1600 | 4 | 179 |
| 5/26/2007 | 800 | 22 | 1125 |
| | 900 | 57 | 1108 |
| | 1000 | 24 | 768 |
| | 1100 | 22 | 1345 |
| | 1200 | 17 | 589 |
| | 1300 | 8 | 445 |
| | 1400 | 1 | 1002 |
| | 1500 | 5 | 362 |
| | 1600 | 0 | 125 |
| 5/27/2007 | 800 | 51 | 153 |
| | 900 | 82 | 401 |
| | 1000 | 34 | 231 |
| | 1100 | 20 | 455 |
| | 1200 | 6 | 199 |
| | 1300 | 1 | 32 |
| | 1400 | 2 | 76 |
| | 1500 | 0 | 96 |
| | 1600 | 0 | 143 |
| 5/28/2007 | 800 | 37 | 170 |
| | 900 | 73 | 450 |
| | 1000 | 26 | 210 |
| | 1100 | 14 | 233 |
| | 1200 | 4 | 141 |
| | 1300 | 3 | 120 |
| | 1400 | 1 | 218 |
| | 1500 | 0 | 36 |
| | 1600 | 0 | 94 |
| 5/29/2007 | 800 | 10 | 188 |
| | 900 | 9 | 98 |
| | 1000 | 5 | 73 |
| | 1100 | 3 | 95 |
| | 1200 | 0 | 60 |
| | 1300 | 1 | 26 |
| | 1400 | 0 | 22 |
| | 1500 | 0 | 154 |
| 5/30/2007 | 800 | 0 | 9 |

| Hourly Shad Counts that Passed the Conowingo East Fish Lift Veiwin Window | | | | |
|---|------|---------------------|---------------------|--|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed | |
| | 900 | 3 | 25 | |
| | 1000 | 1 | 190 | |
| | 1100 | 7 | 52 | |
| | 1200 | 11 | 132 | |
| | 1300 | 2 | 113 | |
| | 1400 | 2 | 37 | |
| | 1500 | 3 | 42 | |
| | | | | |

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
|------------|------|-----------------------------|---------------------|
| | 1700 | 0 | 530 |
| 4/21/2008 | 800 | 4 | 1905 |
| 7/21/22 | 900 | 2 | 4865 |
| | 1000 | 0 | 1825 |
| | 1100 | 0 | 902 |
| | 1200 | 0 | 6386 |
| | 1300 | 0 | 7387 |
| | 1400 | 0 | 4892 |
| | 1500 | 2 | 1517 |
| | 1600 | 56 | 1204 |
| 4/22/2008 | 1000 | 37 | 127 |
| 4/22/2000 | 1100 | 75 | 11866 |
| + | 1200 | 17 | 7410 |
| | | 17 | |
| | 1300 | - | 4398 6544 |
| + | 1400 | 8 | 6544 6707 |
| | 1500 | 2 | 6797 |
| + | 1600 | 5 | 8030 |
| : /22/2222 | 1700 | 0 | 449 |
| 4/23/2008 | 800 | 0 | 2380 |
| | 900 | 0 | 1492 |
| - | 1000 | 0 | 114 |
| | 1100 | * | * |
| | 1200 | 0 | 2012 |
| | 1300 | 0 | 8761 |
| | 1400 | 0 | 7211 |
| | 1500 | 0 | 5942 |
| | 1600 | 0 | 658 |
| 4/24/2008 | 800 | 0 | 3276 |
| | 900 | 3 | 3795 |
| | 1000 | 10 | 2508 |
| | 1100 | 94 | 2341 |
| | 1200 | 250 | 5358 |
| | 1300 | 454 | 3526 |
| | 1400 | 291 | 1846 |
| | 1500 | * | * |
| | 1600 | 47 | 2423 |
| | 1700 | 63 | 4134 |
| | 1800 | 10 | 1463 |
| 4/25/2008 | 800 | 28 | 2150 |
| 4/20/200 | 900 | 26 | 5409 |
| | 1000 | 4 | 2978 |
| | 1100 | 2 | 3635 |
| + | 1200 | 0 | 4030 |
| | | 2 | 2124 |
| + | 1300 | | |
| + | 1400 | 6 | 1835 |
| | 1500 | 6 | 1044 |
| : : /2222 | 1600 | 2 | 1044 |
| 4/26/2008 | 700 | 4 | 154 |
| 1 | 000 | 1 | 2560 |

| Hourly Sna | u Counts | that Passed the Conowing Window | yo Easi Fish Lift VeiWin(|
|------------|-----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 900 | 1 | 3400 |
| | 1000 | 4 | 3041 |
| | 1100 | 1 | 3380 |
| | 1200 | 55 | 1600 |
| | 1300 | 43 | 2800 |
| | 1400 | 268 | 1800 |
| | 1500 | 257 | 1800 |
| | 1600 | 46 | 950 |
| | 1700 | 6 | 50 |
| 4/27/2008 | 1100 | 0 | 50 |
| | 1200 | 1 | 73 |
| 4/28/2008 | Did not o | perate | |
| 4/29/2008 | 700 | 0 | 6 |
| | 800 | 5 | 2121 |
| | 900 | 3 | 1365 |
| | 1000 | 2 | 4436 |
| | 1100 | 5 | 3637 |
| | 1200 | 0 | 308 |
| | 1300 | 0 | 106 |
| 4/30/2008 | 800 | 0 | 35 |
| | 900 | 0 | 3561 |
| | 1000 | 0 | 1970 |
| | 1100 | 0 | 2222 |
| | 1200 | 0 | 2329 |
| | 1300 | 0 | 2240 |
| | 1400 | 0 | 1631 |
| | 1500 | 1 | 1607 |
| | 1600 | 0 | 1433 |
| 5/1/2008 | 800 | 1 | 2936 |
| | 900 | 0 | 2660 |
| | 1000 | 2 | 4229 |
| | 1100 | 0 | 2877 |
| | 1200 | 1 | 2620 |
| | 1300 | 0 | 3159 |
| | 1400 | 4 | 2549 |
| | 1500 | 3 | 3113 |
| 5/2/2008 | 700 | 1 | 15 |
| | 800 | 0 | 1943 |
| | 900 | 0 | 115 |
| | 1000 | 0 | 1831 |
| | 1100 | 0 | 1774 |
| | 1200 | 0 | 1156 |
| | 1300 | 0 | 262 |
| | 1400 | 0 | 1026 |
| | 1500 | 0 | 1195 |
| 5/3/2008 | 800 | 0 | 1648 |
| 2, 3, 2000 | 900 | 0 | 1968 |
| | 1000 | 2 | 3294 |
| | 1100 | 2 | 3250 |

| ъ. | | Window | 0' 10' 10 |
|----------|------|---------------------|--------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passe |
| | 1200 | 95 | 2956 |
| | 1300 | 255 | 3180 |
| | 1400 | 559 | 5372 |
| | 1500 | 406 | 3869 |
| | 1600 | 320 | 1340 |
| | 1700 | 229 | 886 |
| 5/4/2008 | 900 | 178 | 5910 |
| | 1000 | 156 | 5000 |
| | 1100 | 213 | 5820 |
| | 1200 | 159 | 7040 |
| | 1300 | 326 | 3010 |
| | 1400 | 131 | 1290 |
| | 1500 | 39 | 2940 |
| | 1600 | 30 | 1830 |
| 5/5/2008 | 900 | 98 | 10583 |
| | 1000 | 88 | 2799 |
| | 1100 | 44 | 6507 |
| | 1200 | 19 | 2733 |
| | 1300 | 12 | 3312 |
| | 1400 | 35 | 2244 |
| | 1500 | 15 | 3363 |
| | 1600 | 14 | 2324 |
| 5/6/2008 | 700 | 0 | 35 |
| 0/0/2000 | 800 | 4 | 1579 |
| | 900 | 6 | 480 |
| | 1000 | 5 | 1359 |
| | 1100 | 3 | 1848 |
| | 1200 | 1 | 130 |
| | 1300 | 2 | 375 |
| | | | |
| | 1400 | 3 | 1109 |
| | 1500 | 6 | 1416 |
| F/7/0000 | 1600 | 3 | 471 |
| 5/7/2008 | 800 | 6 | 2146 |
| | 900 | 2 | 1629 |
| | 1000 | 8 | 3107 |
| | 1100 | 10 | 2469 |
| | 1200 | 4 | 1480 |
| | 1300 | 8 | 1426 |
| | 1400 | 0 | 2228 |
| | 1500 | 1 | 487 |
| | 1600 | 1 | 1632 |
| 5/8/2008 | 800 | 4 | 1259 |
| | 900 | 24 | 708 |
| | 1000 | 60 | 1804 |
| | 1100 | 173 | 1841 |
| | 1200 | 58 | 1000 |
| | 1300 | 81 | 1100 |
| | 1400 | 20 | 125 |
| | 1500 | 116 | 2022 |

| | | Window | |
|--------------|------|---------------------|--------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passe |
| | 1600 | 148 | 1202 |
| | 1700 | 241 | 1971 |
| | 1800 | 76 | 1371 |
| | 1900 | 10 | 1850 |
| 5/9/2008 | 900 | 25 | 2662 |
| | 1000 | 44 | 4558 |
| | 1100 | 19 | 2967 |
| | 1200 | 79 | 3861 |
| | 1300 | 39 | 2698 |
| | 1400 | 12 | 1540 |
| | 1500 | 34 | 2963 |
| | 1600 | 17 | 1560 |
| 5/10/2008 | 800 | 35 | 200 |
| | 900 | 7 | 4200 |
| | 1000 | 0 | 6700 |
| | 1100 | 4 | 7200 |
| | 1200 | 0 | 3300 |
| | 1300 | 1 | 3400 |
| | 1400 | 161 | 1400 |
| | 1500 | 518 | 1000 |
| | 1600 | 501 | 1200 |
| | 1700 | 376 | 1200 |
| | 1800 | 88 | 500 |
| 5/11/2008 | 700 | 87 | 940 |
| 3/11/2000 | 800 | 510 | 3390 |
| | 900 | 239 | 2840 |
| | 1000 | 229 | 4210 |
| | 1100 | 225 | 4240 |
| | 1200 | 258 | 4130 |
| | 1300 | 226 | 1430 |
| | 1400 | 130 | 2960 |
| | 1500 | 27 | 2440 |
| | 1600 | 12 | 1045 |
| 5/12/2008 | 800 | 14 | 1504 |
| 3/12/2006 | | 19 | |
| | 900 | | 2151 |
| | 1000 | 5 | 1149 |
| | 1100 | 7 | 3543 |
| | 1200 | 4 | 2310 |
| | 1300 | 1 | 1899 |
| | 1400 | 2 | 2338 |
| - /4 0 /0000 | 1500 | 3 | 2785 |
| 5/13/2008 | 800 | 4 | 1389 |
| | 900 | 2 | 1212 |
| | 1000 | 2 | 2996 |
| | 1100 | 1 | 2851 |
| | 1200 | 1 | 2424 |
| | 1300 | 3 | 2394 |
| | 1400 | 1 | 1786 |
| | 1500 | 0 | |

| | | Window | |
|------------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 5/14/2008 | 700 | 0 | 13 |
| | 800 | 0 | 1830 |
| | 900 | 3 | 1190 |
| | 1000 | 0 | 1080 |
| | 1100 | 1 | 3850 |
| | 1200 | 0 | 2530 |
| | 1300 | 1 | 2895 |
| | 1400 | 3 | 2802 |
| | 1500 | 1 | 347 |
| 5/15/2008 | 700 | 1 | 50 |
| 0, 10, 200 | 800 | 0 | 1878 |
| | 900 | 0 | 1048 |
| | 1000 | 0 | 2026 |
| | 1100 | 1 | 1626 |
| | 1200 | 0 | 1965 |
| | 1300 | 0 | 2150 |
| | 1400 | | 2506 |
| | | 0 2 | |
| E/46/2009 | 1500 | | 1696 2781 |
| 5/16/2008 | 800 | 0 | |
| | 900 | 0 | 1920 |
| | 1000 | 2 | 1441 |
| | 1100 | 2 | 2507 |
| | 1200 | 5 | 1852 |
| | 1300 | 4 | 1649 |
| | 1400 | 4 | 1228 |
| | 1500 | 8 | 949 |
| 5/17/2008 | 800 | 8 | 24 |
| | 900 | 6 | 610 |
| | 1000 | 8 | 7600 |
| | 1100 | 1 | 5300 |
| | 1200 | 1 | 4000 |
| | 1300 | 2 | 3400 |
| | 1400 | 2 | 6600 |
| | 1500 | 6 | 4700 |
| 5/18/2008 | 700 | 8 | 2885 |
| | 800 | 76 | 4352 |
| | 900 | 202 | 2716 |
| | 1000 | 149 | 1960 |
| | 1100 | 412 | 2973 |
| | 1200 | 107 | 1449 |
| | 1300 | 46 | 1797 |
| | 1400 | 32 | 1625 |
| | 1500 | 15 | 2189 |
| | 1600 | 11 | 1094 |
| 5/19/2008 | 700 | 0 | 57 |
| | 800 | 11 | 4460 |
| | 900 | 4 | 5390 |
| | 1000 | 2 | 4520 |
| | 1100 | 1 | 4210 |

| Hourly Shad | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------|----------|----------------------------|---------------------------|
| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
| Date | 1200 | 0 | 5940 |
| | 1300 | 1 | 4750 |
| | 1400 | 1 | 2410 |
| 5/20/2008 | 800 | 12 | 3532 |
| 3/20/2008 | 900 | 2 | 1822 |
| | 1000 | 1 | 3004 |
| | 1100 | 0 | 2878 |
| | 1200 | 0 | 1383 |
| | 1300 | 0 | 3362 |
| | 1400 | 5 | 893 |
| | 1500 | 1 | 1323 |
| | | | |
| E/04/0000 | 1600 | 1 | 871 |
| 5/21/2008 | 700 | 0 | 21 |
| | 800 | 1 | 1864 |
| | 900 | 0 | 1592 |
| | 1000 | 0 | 2955 |
| | 1100 | 0 | 3098 |
| | 1200 | 0 | 2782 |
| | 1300 | 0 | 1076 |
| | 1400 | 1 | 1787 |
| | 1500 | 0 | 1457 |
| 5/22/2008 | 800 | 0 | 2480 |
| | 900 | 0 | 1904 |
| | 1000 | 0 | 1652 |
| | 1100 | 0 | 1342 |
| | 1200 | 0 | 83 |
| | 1300 | 0 | 2436 |
| | 1400 | 0 | 897 |
| | 1500 | 0 | 1241 |
| 5/23/2008 | 700 | 0 | 45 |
| | 800 | 0 | 582 |
| | 900 | 0 | 897 |
| | 1000 | 0 | 841 |
| | 1100 | 1 | 1520 |
| | 1200 | 0 | 1008 |
| | 1300 | 0 | 1341 |
| | 1400 | 0 | 1182 |
| | 1500 | 0 | 861 |
| 5/24/2008 | 800 | 1 | 2689 |
| | 900 | 0 | 2585 |
| | 1000 | 1 | 2387 |
| | 1100 | 1 | 863 |
| | 1200 | 6 | 508 |
| | 1300 | 7 | 1686 |
| | 1400 | 28 | 2205 |
| | 1500 | 44 | 2400 |
| 5/25/2008 | 700 | 0 | 28 |
| | 800 | 75 | 2120 |
| | 900 | 103 | 1040 |

| Hourly Shad | d Counts | that Passed the Conowing Window | go East Fish Lift Veiwing |
|-------------|----------|------------------------------------|---------------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1000 | 127 | 1260 |
| | 1100 | 62 | 3210 |
| | 1200 | 76 | 690 |
| | 1300 | 71 | 1690 |
| | 1400 | 140 | 1260 |
| | 1500 | 107 | 1130 |
| | 1600 | 55 | 1550 |
| | 1700 | 15 | 860 |
| 5/26/2008 | 800 | 61 | 3073 |
| 0/20/2000 | 900 | 34 | 1696 |
| | 1000 | 33 | 3258 |
| | 1100 | * | * |
| | 1200 | 27 | 3964 |
| | 1300 | 349 | 4154 |
| | | 540 | 827 |
| | 1400 | | |
| | 1500 | 295 | 2143 |
| F/07/0000 | 1600 | 123 | 632 |
| 5/27/2008 | 900 | 144 | 2380 |
| | 1000 | 62 | 1150 |
| | 1100 | 68 | 2770 |
| | 1200 | 16 | 3350 |
| | 1300 | 15 | 2780 |
| | 1400 | 18 | 3950 |
| | 1500 | 21 | 1580 |
| 5/28/2008 | 800 | 24 | 2180 |
| | 900 | 53 | 2346 |
| | 1000 | 79 | 3662 |
| | 1100 | 49 | 5938 |
| | 1200 | 37 | 4396 |
| | 1300 | 24 | 1971 |
| | 1400 | 54 | 3212 |
| | 1500 | 46 | 2272 |
| | 1600 | 14 | 2152 |
| 5/29/2008 | 800 | 30 | 655 |
| | 900 | 71 | 1902 |
| | 1000 | 336 | 1967 |
| | 1100 | 113 | 1310 |
| | 1200 | 55 | 1624 |
| | 1300 | 21 | 1814 |
| | 1400 | 23 | 3742 |
| | 1500 | 20 | 1012 |
| | 1600 | 6 | 930 |
| 5/30/2008 | 800 | 3 | 265 |
| | 900 | 11 | 374 |
| | 1000 | 19 | 2727 |
| | 1100 | 5 | 2300 |
| | 1200 | * | * |
| | 1300 | 22 | 3091 |
| | 1400 | 57 | 1409 |

| Hourly Shad | d Counts | that Passed the Conowing | go East Fish Lift Veiwing |
|-------------|----------|----------------------------|---------------------------|
| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passed |
| | 1500 | 31 | 583 |
| | 1600 | 3 | 459 |
| 5/31/2008 | 800 | 140 | 3609 |
| 0,01,200 | 900 | 211 | 1045 |
| | 1000 | 236 | 1136 |
| | 1100 | 93 | 693 |
| | 1200 | 32 | 270 |
| | 1300 | 5 | 2668 |
| | 1400 | 11 | 4304 |
| | 1500 | 14 | 3250 |
| | 1600 | 5 | 530 |
| 6/1/2008 | 800 | 82 | 371 |
| 0/1/2000 | 900 | 127 | 490 |
| | 1000 | 62 | 1421 |
| | 1100 | 54 | 956 |
| | 1200 | 50 | 2820 |
| | | | |
| | 1300 | 42 | 1057 |
| | 1400 | 12 | 966 |
| | 1500 | 21 | 1261 |
| 0/0/0000 | 1600 | 1 | 379 |
| 6/2/2008 | 800 | 27 | 739 |
| | 900 | 107 | 540 |
| | 1000 | 58 | 953 |
| | 1100 | 11 | 528 |
| | 1200 | 2 | 1205 |
| | 1300 | 2 | 2841 |
| | 1400 | 2 | 2769 |
| | 1500 | 0 | 4712 |
| | 1600 | 1 | 2335 |
| 6/3/2008 | 700 | 0 | 215 |
| | 800 | 10 | 226 |
| | 900 | 62 | 276 |
| | 1000 | 86 | 295 |
| | 1100 | 38 | 857 |
| | 1200 | 32 | 749 |
| | 1300 | 7 | 499 |
| | 1400 | 6 | 1022 |
| | 1500 | 2 | 236 |
| 6/4/2008 | 700 | 0 | 78 |
| | 800 | 3 | 60 |
| | 900 | 1 | 33 |
| | 1000 | 40 | 78 |
| | 1100 | 31 | 116 |
| | 1200 | 15 | 328 |
| | 1300 | 12 | 318 |
| | 1400 | 2 | 219 |
| | 1500 | 0 | 120 |
| 6/5/2008 | 800 | 0 | 260 |
| 5. 5. 2000 | 900 | 0 | 138 |

| Hourly Shad Counts that Passed the Conowingo East Fish Lift Veiwing | | | | | | | iwing | |
|---|--|--|------|-----|--|--|-------|--|
| | | | Wind | dow | | | | |
| | | | | | | | - | |

| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
|----------|------|---------------------|---------------------|
| | 1000 | 6 | 207 |
| | 1100 | 6 | 1201 |
| | 1200 | 4 | 92 |
| | 1300 | 0 | 170 |
| | 1400 | 0 | 1947 |
| | 1500 | 1 | 3381 |
| 6/6/2008 | 700 | 0 | 25 |
| | 800 | - | - |
| | 900 | - | - |
| | 1000 | - | - |
| | 1100 | - | - |
| | | | |

^{(-) =} Viewing was stopped due to mechanical problem.

(*) = Viewing was stopped due to the tagging of shad for telemetry study.

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passe |
|-----------|------|----------------------------|--------------------|
| | 1100 | 0 | 742 |
| | 1200 | 0 | 84 |
| | 1300 | 0 | 494 |
| | 1400 | 0 | 3171 |
| | 1500 | 0 | 6440 |
| | 1600 | 0 | 4200 |
| | 1700 | 0 | 655 |
| 4/17/2009 | 900 | 0 | 0 |
| 4/11/2000 | 1000 | 0 | 103 |
| | 1100 | 0 | 83 |
| | 1200 | 0 | 112 |
| | | | 197 |
| | 1300 | 0 | |
| | 1400 | 0 | 1035 |
| | 1500 | 0 | 1244 |
| | 1600 | 0 | 710 |
| 1/10/0000 | 1700 | 0 | 1196 |
| 4/19/2009 | 900 | 0 | 2849 |
| | 1000 | 0 | 3639 |
| | 1100 | 0 | 2997 |
| | 1200 | 0 | 3439 |
| | 1300 | 0 | 5089 |
| | 1400 | 0 | 2357 |
| | 1500 | 1 | 2223 |
| | 1600 | 3 | 3952 |
| | 1700 | 0 | 245 |
| 4/20/2009 | 800 | 0 | 89 |
| | 900 | 0 | 138 |
| | 1000 | 0 | 70 |
| | 1100 | 0 | 84 |
| | 1200 | 3 | 620 |
| | 1300 | 7 | 1565 |
| | 1400 | 10 | 2745 |
| | 1500 | 13 | 1529 |
| | 1600 | 8 | 1629 |
| | 1700 | 6 | 2725 |
| 4/21/2009 | 800 | 5 | 80 |
| | 900 | 4 | 631 |
| | 1000 | 2 | 303 |
| | 1100 | 3 | 882 |
| | 1200 | 0 | 1482 |
| | 1300 | 0 | 350 |
| | 1400 | 0 | 6 |
| | 1500 | 0 | 348 |
| | | | |
| | 1600 | 0 | 1707 |
| 4/00/0000 | 1700 | 0 | 0 |
| 4/22/2009 | 900 | 0 | 3586 |
| | 1000 | 0 | 563 |
| | 1100 | 0 | 925 |
| | | | |

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passe |
|------------|------|-----------------------------|--------------------|
| 2 6.10 | 1300 | 0 | 3400 |
| | 1400 | 0 | 2701 |
| | 1500 | 0 | 1096 |
| | 1600 | 0 | 393 |
| | 1700 | 0 | 115 |
| 1/23/2009 | 800 | 0 | 30 |
| 1/20/2003 | 900 | 0 | 3183 |
| | 1000 | 1 | 925 |
| | 1100 | 1 | 3198 |
| | 1200 | 1 | 1107 |
| | 1300 | 5 | 1067 |
| | | 30 | |
| | 1400 | | 5233 |
| | 1500 | 85 | 2057 |
| | 1600 | 167 | 2755 |
| | 1700 | 70 | 363 |
| 4/0.4/0000 | 1800 | 10 | 1079 |
| 4/24/2009 | 800 | 9 | 158 |
| | 900 | 3 | 2370 |
| | 1000 | 3 | 1200 |
| | 1100 | 0 | 1180 |
| | 1200 | 1 | 2320 |
| | 1300 | 1 | 1780 |
| | 1400 | 8 | 1380 |
| | 1500 | 4 | 2950 |
| | 1600 | 4 | 1410 |
| | 1700 | 3 | 1290 |
| 1/25/2009 | 800 | 2 | 33 |
| | 900 | 4 | 6298 |
| | 1000 | 9 | 2455 |
| | 1100 | 9 | 7440 |
| | 1200 | 1 | 1928 |
| | 1300 | 15 | 5618 |
| | 1400 | 3 | 5575 |
| | 1500 | 2 | 1881 |
| | 1600 | 1 | 999 |
| 1/26/2009 | 800 | 2 | 2543 |
| | 900 | 2 | 5831 |
| | 1000 | 3 | 7142 |
| | 1100 | 2 | 6953 |
| | 1200 | 5 | 8614 |
| | 1300 | 7 | 9570 |
| | 1400 | 35 | 2921 |
| | 1500 | 24 | 2140 |
| | 1600 | 7 | 1070 |
| | 1700 | 2 | 1466 |
| 4/27/2009 | 800 | 0 | 163 |
| | 900 | 2 | 2780 |
| | 1000 | 17 | 3280 |
| | 1100 | 00 | 2061 |

| | | Window | |
|-----------|--------------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1200 | 71 | 1510 |
| | 1300 | 50 | 945 |
| | 1400 | 8 | 3570 |
| | 1500 | 1 | 3528 |
| | 1600 | 1 | 1822 |
| | 1700 | 0 | 2480 |
| 4/28/2009 | 800 | 0 | 559 |
| ., | 900 | 0 | 2647 |
| | 1000 | 3 | 7431 |
| | 1100 | 24 | 3464 |
| | 1200 | 46 | 5960 |
| | 1300 | 89 | 1630 |
| | 1400 | 125 | 2265 |
| | 1500 | 134 | 3506 |
| | 1600 | 86 | 1030 |
| | 1700 | 25 | 1154 |
| | 1800 | 4 | 304 |
| 4/29/2009 | 900 | 23 | 2076 |
| +/23/2000 | 1000 | 57 | 1197 |
| | 1100 | 79 | 2192 |
| | 1200 | 100 | 1184 |
| | 1300 | 91 | 1521 |
| | 1400 | 7 | 186 |
| | 1500 | 5 | 363 |
| | 1600 | 10 | 1004 |
| | 1700 | 29 | 548 |
| | 1800 | 29 | 1420 |
| | 1900 | 27 | 588 |
| 4/30/2009 | 800 | 2 | |
| 4/30/2009 | | | 3100 |
| | 900 | 11 | 3169 |
| | 1000 | 2 | 1215 |
| | 1100 1200 | 69 | 3400 |
| | | 908 | 2640 |
| | 1300 | 226 | 4000 |
| + | 1400 | | 3110 |
| + | 1500 | 538 | 2820 |
| + | 1600 | 493 | 2179 |
| | 1700 | 422 | 1310 |
| | 1800 | 153 | 612 |
| F/4/2000 | 1900 | 6 | 20 |
| 5/1/2009 | 900 | 38 | 368 |
| | 1000 | 51 | 933 |
| | 1100 | 38 | 2491 |
| | 1200 | 18 | 1737 |
| | 1300 | 18 | 4232 |
| | 1400 | 16 | 2223 |
| | 1500 | 27 | 4173 |
| | 1600 | 70 | 3638 |
| | 1700 | 50 | 1761 |

| | | Window | 0: 10: 15 |
|----------|------|---------------------|--------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passe |
| | 1800 | 73 | 2620 |
| | 1900 | 68 | 1640 |
| 5/2/2009 | 800 | 123 | 1575 |
| | 900 | 107 | 1303 |
| | 1000 | 26 | 748 |
| | 1100 | 21 | 1985 |
| | 1200 | 52 | 1493 |
| | 1300 | 257 | 910 |
| | 1400 | 135 | 3638 |
| | 1500 | 156 | 3240 |
| | 1600 | 124 | 2778 |
| | 1700 | 76 | 2251 |
| | 1800 | 176 | 3235 |
| | 1900 | 376 | 2454 |
| 5/3/2009 | 800 | 331 | 1982 |
| | 900 | 484 | 1593 |
| | 1000 | 355 | 2809 |
| | 1100 | 491 | 744 |
| | 1200 | 456 | 2852 |
| | 1300 | 388 | 2123 |
| | 1400 | 305 | 2134 |
| | 1500 | 262 | 1539 |
| | 1600 | 270 | 2714 |
| | 1700 | 163 | 3000 |
| | 1800 | 87 | 2673 |
| | 1900 | 54 | 2110 |
| 5/4/2009 | 800 | 89 | 765 |
| | 900 | 518 | 1657 |
| | 1000 | 1874 | 2248 |
| | 1100 | 1291 | 2678 |
| | 1200 | 252 | 2798 |
| | 1300 | 70 | 5310 |
| | 1400 | 13 | 4387 |
| | 1500 | 6 | 5518 |
| | 1600 | 3 | 3859 |

5/5/2009

5/6/2009

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Passe |
|-----------|-------------|-----------------------------|--------------------|
| | 800 | 51 | 2290 |
| | 900 | 260 | 1851 |
| | 1000 | 94 | 1450 |
| | 1100 | 6 | 2660 |
| | 1200 | 6 | 1540 |
| | 1300 | 5 | 2340 |
| | 1400 | 6 | 1660 |
| | 1500 | 6 | 3670 |
| | 1600 | 1 | 2640 |
| | 1700 | 0 | 1740 |
| 5/7/2009 | 800 | 14 | 2832 |
| 0/1/2000 | 900 | 9 | 2229 |
| | 1000 | 5 | 1819 |
| | 1100 | 10 | 1704 |
| | 1200 | 3 | 1647 |
| | 1300 | 1 | 2950 |
| | 1400 | 4 | 1939 |
| | 1500 | 6 | 1244 |
| | 1600 | 3 | 2123 |
| 5/8/2009 | 800 | 2 | 4800 |
| | 900 | 1 | 2230 |
| | 1000 | 1 | 3100 |
| | 1100 | 0 | 1850 |
| | 1200 | 0 | 4350 |
| | 1300 | 1 | 2430 |
| | 1400 | 3 | 1860 |
| | 1500 | 0 | 3850 |
| | 1600 | 2 | 2330 |
| 5/9/2009 | 800 | 102 | 3497 |
| 3/9/2009 | 900 | 33 | 3096 |
| | 1000 | 20 | 2768 |
| | 1100 | 33 | 5859 |
| | 1200 | 19 | 4163 |
| | 1300 | 18 | 6007 |
| | 1400 | 13 | 4094 |
| | 1500 | 40 | 4283 |
| | | | |
| 5/10/2009 | 1600 700 | 45 13 | 1800 776 |
| 5/10/2009 | | | |
| | 800 | 353 | 2350 |
| | 900 | 335 | 3022 |
| | 1000 | 117 | 1631 |
| | 1100 | 96 | 4886 |
| | 1200 | 40 | 5526 |
| | 1300 | 36 | 3832 |
| | 1400 | 2 | 5607 |
| | 1500 | 4 | 4897 |
| | 1600 | 8 | 6904 |
| 5/11/2000 | 1700 | 3 | 2850 |
| | | | |

5/11/2009

| Hourly Shad | | Window | |
|-------------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 900 | 3 | 3498 |
| | 1000 | 3 | 4295 |
| | 1100 | 1 | 1511 |
| | 1200 | 4 | 2260 |
| | 1300 | 3 | 5953 |
| | 1400 | 4 | 2123 |
| | 1500 | 6 | 1702 |
| | 1600 | 6 | 645 |
| 5/12/2009 | 800 | 1 | 1974 |
| | 900 | 0 | 3958 |
| | 1000 | 2 | 3632 |
| | 1100 | 0 | 2769 |
| | 1200 | 0 | 6374 |
| | 1300 | 0 | 4044 |
| | 1400 | 2 | 4430 |
| | 1500 | 1 | 2474 |
| | 1600 | 1 | 1918 |
| 5/13/2009 | 700 | 0 | 210 |
| 0, 10, 2000 | 800 | 3 | 2900 |
| | 900 | 1 | 4120 |
| | 1000 | 2 | 4620 |
| | 1100 | 1 | 2666 |
| | 1200 | 4 | 5642 |
| | 1300 | 4 | 2580 |
| | 1400 | 5 | 2230 |
| | 1500 | 22 | 4300 |
| | 1600 | 48 | 3360 |
| | 1700 | 41 | 1320 |
| 5/14/2009 | 800 | 17 | 1516 |
| 0/11/2000 | 900 | 24 | 2813 |
| | 1000 | 13 | 6753 |
| | 1100 | 9 | 3206 |
| | 1200 | 161 | 3200 |
| | 1300 | 254 | 3950 |
| | 1400 | 134 | 2576 |
| | 1500 | 252 | 4430 |
| | 1600 | 234 | 2037 |
| | 1700 | 242 | 2841 |
| | 1800 | 181 | 1918 |
| | 1900 | 107 | 417 |
| 5/15/2009 | 700 | 104 | 564 |
| 3, 13, 2000 | 800 | 70 | 1754 |
| | 900 | 142 | 2461 |
| | 1000 | 119 | 4853 |
| | 1100 | 212 | 5460 |
| | 1200 | 116 | 4190 |
| | 1300 | 64 | 2793 |
| | 1400 | 45 | 3760 |
| | 1500 | 67 | 3783 |

| Data | Llaur | Window | Ciard Chad Dagge |
|-----------|-------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| + | 1600 | 36 | 1880 |
| -112/222 | 1700 | 54 | 2061 |
| 5/16/2009 | 700 | 29 | 100 |
| | 800 | 65 | 124 |
| | 900 | 48 | 604 |
| | 1000 | 32 | 1868 |
| | 1100 | 139 | 1963 |
| | 1200 | 69 | 2574 |
| | 1300 | 203 | 3069 |
| | 1400 | 315 | 1853 |
| | 1500 | 280 | 1621 |
| | 1600 | 200 | 3530 |
| | 1700 | 206 | 2088 |
| | 1800 | 201 | 1804 |
| 5/17/2009 | 800 | 531 | 1733 |
| | 900 | 308 | 1092 |
| | 1000 | 143 | 1935 |
| | 1100 | 146 | 949 |
| | 1200 | 119 | 1368 |
| | 1300 | 45 | 754 |
| | 1400 | 26 | 542 |
| | 1500 | 32 | 3257 |
| | 1600 | 49 | 2325 |
| | 1700 | 35 | 305 |
| | 1800 | 11 | 340 |
| 5/18/2009 | 700 | 6 | 22 |
| 3/10/2002 | 800 | 15 | 43 |
| | 900 | 68 | 788 |
| | 1000 | 219 | 1897 |
| | 1100 | 22 | 2121 |
| + | 1200 | 15 | 805 |
| | 1300 | 7 | 1387 |
| | 1400 | 4 | 959 |
| + | 1500 | 0 | 1640 |
| - | 1600 | 3 | 1540 |
| 5/19/2009 | 700 | 0 | 67 |
| 5/19/2009 | 800 | 13 | 114 |
| | | | 1362 |
| | 900 | 46 | |
| + | 1000 | 5 | 2255 |
| + | 1100 | 6 | 1957 |
| | 1200 | 6 | 941 |
| | 1300 | 7 | 498 |
| | 1400 | 2 | 820 |
| | 1500 | 4 | 846 |
| | 1600 | 2 | 328 |
| 5/20/2009 | 900 | 5 | 1030 |
| | 1000 | 41 | 432 |
| | 1100 | 12 | 1658 |
| I | 1200 | 17 | 0.45 |

| Hourly Shad | | Window | 0 |
|-------------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| | 1300 | 0 | 1006 |
| | 1400 | 7 | 1097 |
| | 1500 | 7 | 1190 |
| | 1600 | 1 | 839 |
| 5/21/2009 | 800 | 4 | 30 |
| | 900 | 1 | 11 |
| | 1000 | 0 | 20 |
| | 1100 | 0 | 2 |
| | 1200 | - | - |
| | 1300 | - | - |
| | 1400 | 4 | 900 |
| | 1500 | 25 | 603 |
| 5/22/2009 | 800 | 205 | 2020 |
| | 900 | 91 | 127 |
| | 1000 | 60 | 535 |
| | 1100 | 54 | 290 |
| | 1200 | 78 | 672 |
| | 1300 | 86 | 278 |
| | 1400 | 34 | 468 |
| | 1500 | 30 | 334 |
| | 1600 | 13 | 1007 |
| 5/23/2009 | 700 | 0 | 128 |
| 0/20/2000 | 800 | 179 | 2025 |
| | 900 | 340 | 875 |
| | 1000 | 271 | 901 |
| | 1100 | 171 | 1193 |
| | 1200 | 78 | 1395 |
| | 1300 | 16 | 1182 |
| | 1400 | 18 | 4220 |
| | | | |
| | 1500 | 10 | 1910 |
| 5/24/2009 | 1600 | 3 25 | 1362 |
| 5/24/2009 | 700 | | 478 |
| | 800 | 223 | 520 |
| | 900 | 553 | 1120 |
| | 1000 | 283 | 1230 |
| | 1100 | 155 | 1180 |
| | 1200 | 42 | 720 |
| | 1300 | 18 | 1650 |
| | 1400 | 5 | 1940 |
| | 1500 | 1 | 1270 |
| | 1600 | 4 | 430 |
| 5/25/2009 | 800 | 52 | 570 |
| | 900 | 57 | 720 |
| | 1000 | 75 | 1354 |
| | 1100 | 80 | 922 |
| | 1200 | 45 | 330 |
| | 1300 | 6 | 258 |
| | 1400 | 17 | 243 |
| | 1500 | 7 | 1764 |

| Date | Hour | Window Amercan Shad Passed | Gizzard Shad Pass |
|------------|------|-----------------------------|-------------------|
| | 1600 | 0 | 373 |
| 5/26/2009 | 700 | 0 | 102 |
| 0, 20, 200 | 800 | 160 | 81 |
| | 900 | 353 | 356 |
| | 1000 | 270 | 1058 |
| | 1100 | 39 | 260 |
| | 1200 | 5 | 703 |
| | 1300 | 5 | 2023 |
| | 1400 | 2 | 885 |
| | 1500 | 3 | 1966 |
| | 1600 | 1 | 725 |
| 5/27/2009 | 800 | 8 | 50 |
| 5/21/2009 | | 124 | 63 |
| | 900 | 99 | 63 76 |
| | | | |
| | 1100 | 60 | 83 |
| | 1200 | 22 | 30 |
| | 1300 | 9 | 463 |
| | 1400 | 12 | 1640 |
| | 1500 | 0 | 670 |
| 5/28/2009 | 1600 | 5 | 830 |
| | 800 | 4 | 91 |
| | 900 | 2 | 57 |
| | 1000 | 19 | 5 |
| | 1100 | 40 | 36 |
| | 1200 | 14 | 10 |
| | 1300 | 20 | 551 |
| | 1400 | 14 | 650 |
| | 1500 | 23 | 1290 |
| | 1600 | 11 | 590 |
| | 1700 | 5 | 30 |
| 5/29/2009 | 700 | 0 | - |
| | 800 | 8 | - |
| | 900 | 14 | - |
| | 1000 | 12 | - |
| | 1100 | 13 | - |
| | 1200 | 12 | - |
| | 1300 | 3 | - |
| | 1400 | 3 | - |
| | 1500 | 1 | 1800 |
| | 1600 | 1 | 775 |
| 5/30/2009 | 800 | 0 | 530 |
| | 900 | 1 | 630 |
| | 1000 | 1 | 112 |
| | 1100 | 6 | 146 |
| | 1200 | 1 | 450 |
| | 1300 | 1 | 330 |
| | 1400 | 3 | 230 |
| | 1500 | 2 | 200 |
| | 1600 | 0 | 92 |

| Hourly Sha | Hourly Shad Counts that Passed the Conowingo East Fish Lift Veiwing Window | | | | |
|---|--|---|---|--|--|
| Date Hour Amercan Shad Passed Gizzard Shad Passed | | | | | |
| E/21/2000 | 000 | 4 | 2 | | |

| | | vvindow | |
|-----------|------|---------------------|---------------------|
| Date | Hour | Amercan Shad Passed | Gizzard Shad Passed |
| 5/31/2009 | 800 | 1 | 3 |
| | 900 | 6 | 210 |
| | 1000 | 2 | 25 |
| | 1100 | 16 | 52 |
| | 1200 | 3 | 19 |
| | 1300 | 14 | 9 |
| | 1400 | 2 | 130 |
| | 1500 | 5 | 30 |
| | 1600 | 2 | 16 |
| 6/1/2009 | 800 | 1 | 7 |
| | 900 | 7 | 5 |
| | 1000 | 0 | 0 |
| | 1100 | 1 | 0 |
| | 1200 | 4 | 0 |
| | 1300 | 10 | 95 |
| | 1400 | 11 | 57 |
| | 1500 | 0 | 22 |
| | 1600 | 1 | 142 |
| 6/2/2009 | 800 | 1 | 47 |
| | 900 | 1 | 19 |
| | 1000 | 2 | 15 |
| | 1100 | 1 | 9 |
| | 1200 | 0 | 8 |
| | 1300 | 3 | 15 |
| | 1400 | - | = |
| | 1500 | 0 | 38 |
| | 1600 | 0 | 63 |
| 6/3/2009 | 800 | 0 | 12 |
| | 900 | 39 | 16 |
| | 1000 | 71 | 120 |
| | 1100 | 2 | 11 |
| | 1200 | 7 | 1625 |
| | 1300 | 1 | 586 |
| | 1400 | 0 | 1304 |
| | 1500 | 0 | 440 |
| | 1600 | 2 | 344 |
| 6/4/2009 | 900 | 30 | 183 |
| | 1000 | 9 | 40 |
| | 1100 | 5 | 393 |
| | 1200 | 1 | 1713 |
| | 1300 | 3 | 1225 |
| | 1400 | 0 | 1641 |
| | 1500 | 9 | 834 |
| | 1600 | 6 | 1333 |
| 6/5/2009 | 800 | 7 | 260 |
| | 900 | 0 | 93 |
| | 1000 | 0 | 75 |
| | 1100 | 0 | 30 |
| | 1200 | 0 | 15 |

| Hourly Sha | d Counts | that Passed the Conowing | go East Fish Lift Veiwing | |
|--|----------|--------------------------|---------------------------|--|
| | | Window | | |
| Date Hour Amercan Shad Passed Gizzard Shad Pas | | | | |
| | 1300 | 1 | 141 | |
| | 1400 | 0 | 61 | |
| | 1500 | 0 | 0 | |
| | | | | |
| | | | | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|-----------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| 4/5/2010 | 1100 | 0 | 1700 | |
| | 1200 | 0 | 1300 | |
| | 1300 | 0 | 1800 | |
| | 1400 | 0 | 900 | |
| | 1500 | 0 | 9500 | |
| | 1600 | 0 | 22 | |
| 4/7/2010 | 1000 | 0 | 3795 | |
| | 1100 | 3 | 400 | |
| | 1200 | 0 | 1800 | |
| | 1300 | 0 | 0 | |
| | 1400 | 0 | 240 | |
| | 1500 | 1 | 2000 | |
| | 1600 | 0 | 2628 | |
| 4/9/2010 | 900 | 0 | 4232 | |
| | 1000 | 0 | 200 | |
| | 1100 | 0 | 10788 | |
| | 1200 | 0 | 1900 | |
| | 1300 | 0 | 6287 | |
| | 1400 | 1 | 5232 | |
| | 1500 | 0 | 7790 | |
| | 1600 | 0 | 3297 | |
| 4/11/2010 | 700 | 0 | 0 | |
| | 800 | 0 | 4696 | |
| | 900 | 4 | 6291 | |
| | 1000 | 4 | 8487 | |
| | 1100 | 4 | 6238 | |
| | 1200 | 0 | 6106 | |
| | 1300 | 0 | 6144 | |
| | 1400 | 1 | 5297 | |
| | 1500 | 3 | 5141 | |
| | 1600 | 1 | 5224 | |
| | 1700 | 1 | 2533 | |
| 4/13/2010 | 900 | 0 | 6900 | |
| | 1000 | 0 | 2900 | |
| | 1100 | 1 | 2300 | |
| | 1200 | 18 | 2956 | |
| | 1300 | 98 | 3992 | |
| | 1400 | 233 | 5400 | |
| | 1500 | 220 | 5200 | |
| | 1600 | 46 | 6500 | |
| | 1700 | 10 | 1800 | |
| 4/14/2010 | 800 | 6 | 135 | |
| | 900 | 12 | 3240 | |
| | 1000 | 7 | 4630 | |
| | 1100 | 3 | 5510 | |
| | 1200 | 0 | 1750 | |
| | 1300 | 0 | 4240 | |
| | 1400 | 0 | 1360 | |
| | 1500 | 1 | 1300 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|-----------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| | 1600 | 0 | 6780 | |
| 4/15/2010 | 900 | 1 | 6050 | |
| | 1000 | 0 | 4990 | |
| | 1100 | 0 | 6520 | |
| | 1200 | 0 | 11380 | |
| | 1300 | 0 | 6318 | |
| | 1400 | 0 | 5910 | |
| | 1500 | 0 | 8150 | |
| | 1600 | 0 | 5180 | |
| 4/16/2010 | 800 | 0 | 77 | |
| | 900 | 1 | 3115 | |
| | 1000 | 0 | 5172 | |
| | 1100 | 0 | 5444 | |
| | 1200 | 0 | 5080 | |
| | 1300 | 0 | 3813 | |
| | 1400 | 3 | 3590 | |
| | 1500 | 0 | 3100 | |
| | 1600 | 1 | 4972 | |
| 4/17/2010 | 800 | 1 | 220 | |
| | 900 | 18 | 876 | |
| | 1000 | 12 | 1118 | |
| | 1100 | 2 | 895 | |
| | 1200 | 8 | 1629 | |
| | 1300 | 46 | 3143 | |
| | 1400 | 47 | 1091 | |
| | 1500 | 78 | 1189 | |
| | 1600 | 70 | 1195 | |
| 4/18/2010 | 1300 | 51 | 1560 | |
| | 1400 | 8 | 1930 | |
| | 1500 | 7 | 2570 | |
| | 1600 | 2 | 3120 | |
| | 1700 | 2 | 1110 | |
| 4/19/2010 | 800 | 2 | 830 | |
| | 900 | 2 | 2010 | |
| | 1000 | 3 | 1390 | |
| | 1100 | 5 | 2878 | |
| | 1200 | 98 | 1771 | |
| | 1300 | 16 | 2423 | |
| | 1400 | 53 | 888 | |
| | 1500 | 288 | 2972 | |
| | 1600 | 423 | 909 | |
| | 1700 | 448 | 1755 | |
| | 1800 | 115 | 1578 | |
| 4/20/2010 | 800 | 53 | 2000 | |
| | 900 | 16 | 5800 | |
| | 1000 | 12 | 5300 | |
| | 1100 | 3 | 5500 | |
| | 1200 | 9 | 3700 | |
| | 1300 | 309 | 1400 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|-----------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| | 1400 | 841 | 1100 | |
| | 1500 | 861 | 2713 | |
| | 1600 | 652 | 1442 | |
| | 1700 | 390 | 2100 | |
| | 1800 | 126 | 1700 | |
| 4/21/2010 | 800 | 37 | 176 | |
| | 900 | 66 | 2761 | |
| | 1000 | 39 | 947 | |
| | 1100 | 136 | 2836 | |
| | 1200 | 231 | 4360 | |
| | 1300 | 623 | 1722 | |
| | 1400 | 497 | 2145 | |
| | 1500 | 274 | 956 | |
| | 1600 | 251 | 1240 | |
| | 1700 | 676 | 400 | |
| | 1800 | 267 | 2393 | |
| 4/22/2010 | 800 | 71 | 40 | |
| | 900 | 51 | 2100 | |
| | 1000 | 19 | 2200 | |
| | 1100 | 8 | 3300 | |
| | 1200 | 1 | 1300 | |
| | 1300 | 185 | 1750 | |
| | 1400 | 456 | 1500 | |
| | 1500 | 673 | 500 | |
| | 1600 | 435 | 700 | |
| | 1700 | 421 | 300 | |
| | 1800 | 120 | 2100 | |
| 4/23/2010 | 800 | 5 | 70 | |
| | 900 | 18 | 8000 | |
| | 1000 | 8 | 1393 | |
| | 1100 | 1 | 4000 | |
| | 1200 | 3 | 9350 | |
| | 1300 | 0 | 3820 | |
| | 1400 | 154 | 91 | |
| | 1500 | 669 | 403 | |
| | 1600 | 462 | 287 | |
| | 1700 | 309 | 476 | |
| | 1800 | 77 | 627 | |
| 4/24/2010 | 800 | 13 | 519 | |
| | 900 | 61 | 729 | |
| | 1000 | 19 | 3219 | |
| | 1100 | 12 | 2250 | |
| | 1200 | 22 | 764 | |
| | 1300 | 101 | 1048 | |
| | 1400 | 267 | 881 | |
| | 1500 | 478 | 836 | |
| | 1600 | 372 | 672 | |
| | 1700 | 477 | 971 | |
| | 1800 | 349 | 967 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|-----------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| 4/25/2010 | 800 | 10 | 12 | |
| | 900 | 76 | 2670 | |
| | 1000 | 36 | 820 | |
| | 1100 | 39 | 1750 | |
| | 1200 | 48 | 1750 | |
| | 1300 | 56 | 630 | |
| | 1400 | 61 | 260 | |
| | 1500 | 86 | 680 | |
| | 1600 | 176 | 410 | |
| | 1700 | 195 | 440 | |
| | 1800 | 171 | 1080 | |
| 4/26/2010 | 800 | 50 | 630 | |
| | 900 | 18 | 2366 | |
| | 1000 | 0 | 400 | |
| | 1100 | 2 | 2717 | |
| | 1200 | 0 | 2264 | |
| | 1300 | 1 | 370 | |
| | 1400 | 4 | 3528 | |
| | 1500 | 2 | 2147 | |
| | 1600 | 0 | 1724 | |
| 4/27/2010 | 800 | 10 | 143 | |
| | 900 | 5 | 906 | |
| | 1000 | 6 | 1948 | |
| | 1100 | 4 | 1961 | |
| | 1200 | 4 | 2946 | |
| | 1300 | 3 | 2449 | |
| | 1400 | 52 | 503 | |
| | 1500 | 34 | 1297 | |
| | 1600 | 6 | 118 | |
| | 1700 | 7 | 1601 | |
| | 1800 | 7 | 1908 | |
| 4/28/2010 | 800 | 3 | 85 | |
| | 900 | 2 | 65 | |
| | 1000 | 13 | 0.136 | |
| | 1100 | 5 | 2670 | |
| | 1200 | 8 | 4350 | |
| | 1300 | 2 | 1883 | |
| | 1400 | 6 | 2570 | |
| | 1500 | 1 | 1444 | |
| | 1600 | 0 | 3360 | |
| 4/29/2010 | 800 | 3 | 1006 | |
| | 900 | 4 | 530 | |
| | 1000 | 3 | 347 | |
| | 1100 | 26 | 1900 | |
| | 1200 | 45 | 2630 | |
| | 1300 | 25 | 420 | |
| | 1400 | 74 | 536 | |
| | 1500 | 14 | 2940 | |
| | 1600 | 7 | 1190 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|-----------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| 4/30/2010 | 800 | 1 | 370 | |
| | 900 | 19 | 2750 | |
| | 1000 | 38 | 1670 | |
| | 1100 | 23 | 1320 | |
| | 1200 | 21 | 780 | |
| | 1300 | 8 | 1430 | |
| | 1400 | 10 | 2410 | |
| | 1500 | 4 | 2040 | |
| | 1600 | 2 | 1720 | |
| 5/1/2010 | 800 | 1 | 83 | |
| | 900 | 3 | 1440 | |
| | 1000 | 0 | 3173 | |
| | 1100 | 1 | 1269 | |
| | 1200 | 2 | 1189 | |
| | 1300 | 2 | 2655 | |
| | 1400 | 10 | 1387 | |
| | 1500 | 32 | 4336 | |
| | 1600 | 42 | 1733 | |
| | 1700 | 175 | 3130 | |
| | 1800 | 100 | 978 | |
| 5/2/2010 | 800 | 110 | 605 | |
| | 900 | 76 | 940 | |
| | 1000 | 70 | 1600 | |
| | 1100 | 16 | 520 | |
| | 1200 | 6 | 470 | |
| | 1300 | 2 | 1040 | |
| | 1400 | 13 | 510 | |
| | 1500 | 104 | 2410 | |
| | 1600 | 110 | 810 | |
| | 1700 | 246 | 1120 | |
| | 1800 | 439 | 3100 | |
| 5/3/2010 | 800 | 21 | 300 | |
| | 900 | 140 | 3100 | |
| | 1000 | 148 | 1200 | |
| | 1100 | 92 | 3570 | |
| | 1200 | 81 | 1600 | |
| | 1300 | 56 | 1856 | |
| | 1400 | 78 | 4300 | |
| | 1500 | 132 | 1800 | |
| | 1600 | 69 | 3300 | |
| | 1700 | 111 | 3000 | |
| | 1800 | 72 | 3000 | |
| 5/4/2010 | 800 | 44 | 2898 | |
| | 900 | 103 | 1755 | |
| | 1000 | 230 | 2446 | |
| | 1100 | 96 | 2563 | |
| | 1200 | 45 | 2160 | |
| | 1300 | 46 | 2945 | |
| | 1400 | 34 | 3274 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|----------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| | 1500 | 35 | 1686 | |
| | 1600 | 26 | 3623 | |
| | 1700 | 9 | 1380 | |
| 5/5/2010 | 800 | 14 | 200 | |
| 5.5.25.5 | 900 | 19 | 100 | |
| | 1000 | 203 | 200 | |
| | 1100 | 239 | 153 | |
| | 1200 | 58 | 4491 | |
| | 1300 | 75 | 6400 | |
| | 1400 | 49 | 4400 | |
| | 1500 | 39 | 1900 | |
| | 1600 | 34 | 4700 | |
| 5/6/2010 | 800 | 17 | 700 | |
| 0/0/2010 | 900 | 28 | 213 | |
| | 1000 | 216 | 1100 | |
| | 1100 | 131 | 600 | |
| | 1200 | 86 | 700 | |
| | 1300 | 129 | 1000 | |
| | 1400 | 61 | 200 | |
| | 1500 | 5 | 350 | |
| | 1600 | 22 | 4100 | |
| 5/7/2010 | 800 | 1 | 312 | |
| 3/1/2010 | 900 | 10 | 1114 | |
| | 1000 | 31 | 1834 | |
| | 1100 | 44 | 3432 | |
| | 1200 | 79 | 2054 | |
| | 1300 | 218 | 2426 | |
| | 1400 | 144 | 1836 | |
| | 1500 | 301 | 3909 | |
| | 1600 | 368 | 2305 | |
| | 1700 | 500 | 3309 | |
| | | | | |
| | 1800 | 459 | 2392 | |
| 5/8/2010 | 1900 | 188 | 1580 | |
| 3/6/2010 | 800 | 233 | 672 | |
| | 900 | 376 | 683 | |
| | 1000 | 677 | 834 | |
| | 1100 | 586 | 1877 | |
| | 1200 | 134 | 1801 | |
| | 1300 | 75 | 2377 | |
| | 1400 | 27 | 1590 | |
| | 1500 | 20 | 2837 | |
| E/0/0040 | 1600 | 13 | 2450 | |
| 5/9/2010 | 800 | 87 | 1347 | |
| | 900 | 156 | 685 | |
| | 1000 | 231 | 1859 | |
| | 1100 | 249 | 530 | |
| | 1200 | 73 | 478 | |
| | 1300 | 42 | 1339 | |
| | 1400 | 67 | 2341 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|------------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| | 1500 | 40 | 1478 | |
| | 1600 | 28 | 3234 | |
| 5/10/2010 | 900 | 2 | 100 | |
| 0,10,00 | 1000 | 23 | 300 | |
| | 1100 | 15 | 100 | |
| | 1200 | 3 | 100 | |
| | 1300 | 79 | 33 | |
| | 1400 | 302 | 150 | |
| | 1500 | 131 | 100 | |
| | 1600 | 95 | 68 | |
| | 1700 | 84 | 100 | |
| | 1800 | 10 | 200 | |
| 5/11/2010 | 800 | 3 | 11 | |
| 5, 1, 2010 | 900 | 19 | 1933 | |
| | 1000 | 23 | 1066 | |
| | 1100 | 300 | 235 | |
| | 1200 | 495 | 695 | |
| | 1300 | 343 | 454 | |
| | 1400 | 210 | 1050 | |
| | 1500 | 97 | 214 | |
| | 1600 | 122 | 262 | |
| | 1700 | 145 | 166 | |
| | 1800 | 61 | 41 | |
| 5/12/2010 | 800 | 7 | 4 | |
| 3/12/2010 | 900 | 29 | 2400 | |
| | 1000 | 60 | 1400 | |
| | 1100 | 34 | 100 | |
| | 1200 | 400 | 800 | |
| | 1300 | 268 | 700 | |
| | 1400 | 203 | 900 | |
| | 1500 | 256 | 500 | |
| | 1600 | 217 | 150 | |
| | 1700 | 312 | 800 | |
| | 1800 | 182 | 75 | |
| 5/13/2010 | 800 | 45 | 0 | |
| 3/13/2010 | 900 | 40 | 0 | |
| | 1000 | 31 | 0 | |
| | 1100 | 56 | 10 | |
| | 1200 | 84 | 5 | |
| | 1300 | 367 | 240 | |
| | 1400 | 411 | 175 | |
| | 1500 | 161 | 100 | |
| | 1600 | 138 | 361 | |
| | | 57 | 143 | |
| 5/14/2010 | 1700 | | | |
| 5/14/2010 | 800 | 46 | 751 2060 | |
| | 900 | 7 | 2060 | |
| | 1000 | 2 | 280 | |
| | 1100 | 7 | 2450 | |
| | 1200 | 2 | 1640 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|-------------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| | 1300 | 1 | 4010 | |
| | 1400 | 5 | 610 | |
| | 1500 | 4 | 1730 | |
| | 1600 | 3 | 1150 | |
| 5/15/2010 | 800 | 5 | 100 | |
| | 900 | 14 | 3180 | |
| | 1000 | 2 | 1000 | |
| | 1100 | 15 | 700 | |
| | 1200 | 64 | 819 | |
| | 1300 | 48 | 632 | |
| | 1400 | 44 | 376 | |
| | 1500 | 31 | 743 | |
| | 1600 | 31 | 543 | |
| 5/16/2010 | 800 | 14 | 110 | |
| ===== | 900 | 16 | 910 | |
| | 1000 | 10 | 1040 | |
| | 1100 | 6 | 640 | |
| | 1200 | 4 | 1070 | |
| | 1300 | 6 | 770 | |
| | 1400 | 6 | 980 | |
| | 1500 | 4 | 1770 | |
| | 1600 | 11 | 810 | |
| 5/17/2010 | 800 | 6 | 99 | |
| 0, 11, 2010 | 900 | 33 | 136 | |
| | 1000 | 36 | 773 | |
| | 1100 | 79 | 999 | |
| | 1200 | 39 | 1127 | |
| | 1300 | 121 | 2558 | |
| | 1400 | 62 | 472 | |
| | 1500 | 31 | 1210 | |
| | 1600 | 75 | 1447 | |
| | 1700 | 25 | 1171 | |
| | 1800 | 20 | 259 | |
| 5/18/2010 | 800 | 13 | 19 | |
| | 900 | 6 | 21 | |
| | 1000 | 0 | 6 | |
| | 1100 | 20 | 36 | |
| | 1200 | 47 | 175 | |
| | 1300 | 44 | 62 | |
| | 1400 | 19 | 128 | |
| | 1500 | 8 | 681 | |
| | 1600 | 6 | 776 | |
| 5/19/2010 | 900 | 2 | 225 | |
| | 1000 | 8 | 1684 | |
| | 1100 | 2 | 2152 | |
| | 1200 | 23 | 558 | |
| | 1300 | 9 | 1487 | |
| | 1400 | 8 | 1211 | |
| | 1500 | 14 | 1179 | |
| | 1000 | 17 | 1113 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|-----------------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| 2 4.10 | 1600 | 61 | 1334 | |
| 5/20/2010 | 800 | 14 | 100 | |
| | 900 | 15 | 100 | |
| | 1000 | 6 | 1900 | |
| | 1100 | 9 | 1300 | |
| | 1200 | 3 | 1800 | |
| | 1300 | 6 | 1400 | |
| | 1400 | 7 | 1200 | |
| | 1500 | 4 | 1500 | |
| | 1600 | 21 | 2800 | |
| | 1700 | 74 | 200 | |
| | 1800 | 70 | 91 | |
| 5/21/2010 | 800 | 16 | 52 | |
| 5, _ 1, _ 0 1 0 | 900 | 56 | 400 | |
| | 1000 | 161 | 1960 | |
| | 1100 | 108 | 930 | |
| | 1200 | 142 | 1010 | |
| | 1300 | 93 | 3722 | |
| | 1400 | 62 | 917 | |
| | 1500 | 48 | 1528 | |
| | 1600 | 68 | 2839 | |
| | 1700 | 20 | 2000 | |
| 5/22/2010 | 800 | 22 | 633 | |
| 3/22/2010 | 900 | 32 | 222 | |
| | 1000 | 67 | 793 | |
| | 1100 | 46 | 1250 | |
| | 1200 | 57 | 750 | |
| | 1300 | 20 | 500 | |
| | 1400 | 25 | 935 | |
| | 1500 | 34 | 795 | |
| | 1600 | 12 | 772 | |
| 5/23/2010 | 800 | 83 | 870 | |
| 3/23/2010 | 900 | 79 | 280 | |
| | 1000 | 79 | 880 | |
| | 1100 | 54 | 500 | |
| | 1200 | 50 | 320 | |
| | 1300 | 37 | 450 | |
| | 1400 | 21 | 570 | |
| | | | | |
| | 1500 | 37 57 | 420 660 | |
| | 1600 | 37 | 660 560 | |
| 5/24/2010 | 1700 | | | |
| 3/24/2010 | 800 | 17 | 100 | |
| | 900 | 91 | 600 | |
| | 1000 | 76 | 500 | |
| | 1100 | 49 | 300 | |
| | 1200 | 41 | 100 | |
| | 1300 | 10 | 50 | |
| | 1400 | 3 | 100 | |
| | 1500 | 29 | 600 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|-----------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| 2 4.10 | 1600 | 36 | 1700 | |
| 5/25/2010 | 800 | 8 | 157 | |
| 5,25,25 | 900 | 54 | 762 | |
| | 1000 | 27 | 469 | |
| | 1100 | 111 | 386 | |
| | 1200 | 8 | 34 | |
| | 1300 | 10 | 923 | |
| | 1400 | 19 | 1096 | |
| | 1500 | 26 | 1560 | |
| | 1600 | 28 | 1342 | |
| 5/26/2010 | 800 | 4 | 67 | |
| 0,20,20.0 | 900 | 0 | 34 | |
| | 1000 | 19 | 97 | |
| | 1100 | 50 | 931 | |
| | 1200 | 36 | 781 | |
| | 1300 | 16 | 209 | |
| | 1400 | 18 | 1291 | |
| | 1500 | 9 | 1856 | |
| | 1600 | 5 | 1430 | |
| 5/27/2010 | 900 | 31 | 200 | |
| 3/21/2010 | 1000 | 59 | 400 | |
| | 1100 | 35 | 50 | |
| | 1200 | 44 | 400 | |
| | 1300 | 29 | 200 | |
| | 1400 | 32 | 150 | |
| | 1500 | 14 | 300 | |
| | 1600 | 6 | 50 | |
| | 1700 | 4 | 600 | |
| 5/28/2010 | 800 | 0 | 0 | |
| 3/20/2010 | 900 | 3 | 10 | |
| | 1000 | 28 | 100 | |
| | 1100 | 39 | | |
| | 1200 | 15 | 100 50 | |
| | | | | |
| | 1300 | 31 6 | 75 150 | |
| | 1400 1500 | 17 | 150 | |
| | 1600 | 8 | 35 | |
| 5/29/2010 | | 1 | 35 41 | |
| 312312010 | 800 900 | 1 | | |
| | | | 181 | |
| | 1000 | 0 | 81 | |
| | 1100 | 0 | 96 | |
| | 1200 | 0 | 41 | |
| | 1300 | 2 | 25 | |
| | 1400 | 0 | 26 | |
| | 1500 | 7 | 187 | |
| F/00/0040 | 1600 | 2 | 111 | |
| 5/30/2010 | 800 | 13 | 20 | |
| | 900 | 25 | 50 | |
| | 1000 | 40 | 25 | |

| Hourly | / Shad Counts at | the Conowingo E | ast Lift Viewing | Room |
|-----------|------------------|-----------------|------------------|------|
| Date | Time (Military) | American Shad | Gizzard Shad | |
| | 1100 | 12 | 20 | |
| | 1200 | 22 | 30 | |
| | 1300 | 20 | 20 | |
| | 1400 | 14 | 25 | |
| | 1500 | 8 | 17 | |
| | 1600 | 16 | 55 | |
| 5/31/2010 | 800 | 19 | 0 | |
| | 900 | 8 | 36 | |
| | 1000 | 41 | 25 | |
| | 1100 | 25 | 20 | |
| | 1200 | 46 | 35 | |
| | 1300 | 40 | 50 | |
| | 1400 | 36 | 50 | |
| | 1500 | 16 | 30 | |
| | 1600 | 4 | 75 | |
| 6/1/2010 | 800 | 1 | 0 | |
| | 900 | 4 | 30 | |
| | 1000 | 1 | 50 | |
| | 1100 | 0 | 100 | |
| | 1200 | 11 | 100 | |
| | 1300 | 0 | 30 | |
| | 1400 | 5 | 30 | |
| | 1500 | 22 | 30 | |
| | 1600 | 3 | 10 | |
| 6/2/2010 | 800 | 23 | 50 | |
| | 900 | 24 | 20 | |
| | 1000 | 52 | 15 | |
| | 1100 | 21 | 19 | |
| | 1200 | 6 | 25 | |
| | 1300 | 10 | 31 | |
| | 1400 | 3 | 10 | |
| | 1500 | 0 | 30 | |
| | 1600 | 2 | 20 | |
| 6/3/2010 | 800 | 1 | 24 | |
| | 900 | 13 | 24 | |
| | 1000 | 19 | 42 | |
| | 1100 | 6 | 9 | |
| | 1200 | 6 | 0 | |
| | 1300 | 6 | 8 | |
| | 1400 | 3 | 61 | |
| | 1500 | 4 | 121 | |
| | 1600 | 1 | 134 | |
| 6/4/2010 | 800 | 0 | 5 | |
| | 900 | 14 | 0 | |
| | 1000 | 17 | 15 | |
| | 1100 | 25 | 30 | |
| | 1200 | 23 | 37 | |
| | 1300 | 20 | 30 | |
| | 1400 | 20 | 29 | |

| Hourly | Hourly Shad Counts at the Conowingo East Lift Viewing Room | | | | | | | | |
|----------|--|---------------|--------------|--|--|--|--|--|--|
| Date | Time (Military) | American Shad | Gizzard Shad | | | | | | |
| | 1500 | 4 | 12 | | | | | | |
| | 1600 | 0 | 7 | | | | | | |
| 6/5/2010 | 800 | 0 | 25 | | | | | | |
| | 900 | 0 | 59 | | | | | | |
| | 1000 | 5 | 43 | | | | | | |
| | 1100 | 10 | 19 | | | | | | |
| | 1200 | 4 | 30 | | | | | | |
| | 1300 | 4 | 39 | | | | | | |
| | 1400 | 7 | 46 | | | | | | |
| | 1500 | 1 | 7 | | | | | | |
| | 1600 | 0 | 0 | | | | | | |
| 6/6/2010 | 800 | 0 | 0 | | | | | | |
| | 900 | 0 | 0 | | | | | | |
| | 1000 | 6 | 10 | | | | | | |
| | 1100 | 5 | 5 | | | | | | |
| | 1200 | 4 | 10 | | | | | | |
| | 1300 | 4 | 5 | | | | | | |
| | 1400 | 1 | 5 | | | | | | |
| | 1500 | 0 | 25 | | | | | | |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|------------------------|---------------|----------------|--------|-------------|-----------|-----------|-----------|-----------|---------|----------|-----------|
| 4/8/2002 | 12:00 | 12:10 | С | 80 | | 50 | 13 | 13 | 10 | 21.5 | 51.0 |
| 4/8/2002 | 12:10 | 14:50 | С | 55 | | 70 | 13 | 13 | 7 | 21.5 | 51.0 |
| 4/8/2002 | 14:50 | 16:00 | С | 70 | | 70 | 13 | 13 | 10 | 21.5 | 51.0 |
| 4/10/2002 | 11:00 | 11:45 | С | 84 | | 70 | 13 | 13 | 10 | 20.0 | 52.5 |
| 4/10/2002 | 11:45 | 12:05 | С | 55 | | 55 | 13 | 13 | 15 | 20.0 | 52.5 |
| 4/10/2002 | 12:05 | 17:00 | C | 58 | | 70 | 13 | 13 | 7 | 21.1 | 52.5 |
| 4/12/2002 | 11:00 | 12:45 | С | 60 | | 55 | 13 | 13 | 3 | 21.0 | 54.0 |
| 4/12/2002 | 12:45 | 18:00 | A | | | | 13 | 13 | - | 19.7 | 54.0 |
| 4/13/2002 | 11:00 | 18:00 | С | 45 | | 70 | 13 | 13 | 7 | 19.7 | 56.0 |
| 4/14/2002 | 10:45 | 18:00 | C | 45 | | 70 | 13 | 13 | 7 | 15.2 | 58.5 |
| 4/15/2002 | 10:45 | 11:45 | C | 84 | | 70 | 13 | 13 | 10 | 21.0 | 63.5 |
| 4/15/2002 | 11:45 | 12:20 | C | 84 | | 70 | 13 | 13 | 10 | 21.5 | 63.5 |
| 4/15/2002 | 12:20 | 13:55 | C | 45 | | 55 | 13 | 13 | 15 | 22.3 | 63.5 |
| 4/15/2002 | 13:55 | 18:00 | C | 39 | | 75 | 13 | 13 | 7 | 22.5 | 63.5 |
| 4/16/2002 | 8:00 | 12:20 | A | 92 | 35 | ,,, | 13 | 13 | 1 | 17.0 | 62.6 |
| 4/16/2002 | 12:20 | 13:20 | C | 58 | | 47 | 13 | 13 | 5 | 19.0 | 62.6 |
| 4/16/2002 | 13:20 | 18:00 | C | 49 | | 47 | 13 | 13 | 12 | 22.7 | 62.6 |
| 4/17/2002 | 11:00 | 13:35 | C | 49 | | 47 | 13 | 13 | 11 | 23.0 | 66.4 |
| 4/17/2002 | 13:35 | 17:00 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 66.4 |
| 4/18/2002 | 8:00 | 15:00 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 66.8 |
| 4/19/2002 | 8:00 | 15:00 | В | 55 | 40 | ** | 13 | 13 | 80 | 20.0 | 55.6 |
| 4/20/2002 | 10:55 | 18:00 | C | 80 | 70 | 50 | 13 | 13 | 20 | 20.0 | 70.7 |
| 4/20/2002 | 10:35 | 18:00 | C | 75 | | 35 | 13 | 13 | 15 | 18.3 | 68.9 |
| 4/21/2002 | 10:45 | 17:00 | C | 39 | | 47 | 13 | 13 | 12 | 23.0 | 68.9 |
| 4/23/2002 | 11:30 | 16:00 | C | 49 | | 47 | 13 | 13 | 12 | 22.7 | 64.8 |
| 4/24/2002 | 10:30 | 13:45 | C | 50 | | 70 | 13 | 13 | 7 | 21.5 | 63.9 |
| 4/24/2002 | 13:45 | 18:00 | C | 50 | | 47 | 13 | 13 | 7 | 22.0 | 63.9 |
| 4/25/2002 | 8:45 | 13:45 | C | 50 | | 70 | 13 | 13 | 7 | 21.5 | 61.9 |
| 4/25/2002 | 13:45 | 18:00 | C | 56 | | 55 | 13 | 13 | 20 | 21.5 | 61.9 |
| 4/26/2002 | 8:20 | 18:00 | C | 80 | | 70 | 13 | 13 | 10 | 18.1 | 61.2 |
| 4/20/2002 | 8:30 | 9:20 | C | 72 | | 55 | 13 | 13 | 7 | 19.0 | 60.0 |
| 4/27/2002 | 9:20 | 12:25 | C | 50 | | 70 | 13 | 13 | 7 | 21.5 | 60.0 |
| 4/27/2002 | 12:25 | 16:00 | C | 72 | | 55 | 13 | 13 | 7 | 21.5 | 60.0 |
| 4/27/2002 | 8:00 | 9:15 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 59.0 |
| | 9:15 | 12:20 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 59.0 |
| 4/30/2002 4/30/2002 | 12:20 | 18:00 | C | 50 | | 47 | 13 | 13 | 7 | 22.0 | 59.0 |
| 5/1/2002 | 8:30 | 12:20 | C | 39 | | 43 | 13 | 13 | 18 | 23.0 | 60.7 |
| 5/1/2002 | 12:20 | 17:00 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 60.7 |
| 5/2/2002 | 8:30 | 10:10 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 60.7 |
| 5/2/2002 | 10:10 | 13:40 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 60.7 |
| 5/2/2002 | 13:40 | 18:00 | C | 36 | | 60 | 13 | 13 | 17 | 24.0 | 60.7 |
| | | | C | 72 | | 50 | 13 | 13 | 11 | 22.8 | 60.7 |
| 5/3/2002 5/3/2002 | 8:00 12:00 | 12:00 14:00 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 60.0 |
| 5/3/2002 | 14:00 | 15:00 | C | 55 | | 55 | 13 | 13 | 20 | 23.0 | 60.0 |
| 5/3/2002 | 15:00 | 17:00 | C | 36 | | 60 | 13 | 13 | 17 | 23.5 | 60.0 |
| 5/3/2002 5/4/2002 | 8:00 | 12:00 | C | 39 | | 47 | 13 | 13 | 10 | 23.5 | 60.0 |
| | | | C | | | 70 | 13 | 13 | | | |
| 5/4/2002 | 12:00 | 13:00 | | 41 | | | | | 7 | 22.5 | 60.0 |
| 5/4/2002 | 13:00 | 15:00 | С | 57 | | 70 | 13 | 13 | 10 | 22.5 | 60.0 |
| 5/4/2002 | 15:00 | 16:00 | C C | 55 | | 70 | 13 | 13 | 7 | 22.5 | 60.0 |
| 5/4/2002 | 16:00 | 19:00 | | 49 | | 47 | 13 | 13 | 10 | 22.5 | 60.0 |
| 5/5/2002 | 8:30 | 18:00 | С | 44 | | 50 | 13 | 13 | 11 | 23.5 | 59.4 |
| 5/6/2002 | 9:00 | 18:00 | C | 72 | | 50 | 13 | 13 | 11 | 23.0 | 59.6 |
| 5/7/2002 | 8:30 | 13:55 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 60.7 |
| 5/7/2002 | 13:55 | 18:00 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 60.7 |
| 5/8/2002 | 8:15 | 12:50 | C | 85 | | 47 | 13 | 13 | 5 | 21.0 | 61.7 |
| 5/8/2002 | 12:50 | 18:00 | С | 44 | | 50 | 13 | 13 | 11 | 22.5 | 61.7 |
| 5/9/2002 | 8:30 | 18:00 | C | 44 | | 50 | 13 | 13 | 11 | 22.5 | 61.2 |
| 5/10/2002 | 8:00 | 11:00 | C | 50 | | 45 | 13 | 13 | 7 | 22.0 | 63.9 |
| 5/10/2002 | 11:00 | 14:00 | C | 41 | | 70 | 13 | 13 | 10 | 22.0 | 63.9 |
| 5/10/2002 | 14:00 | 15:00 | C | 39 | | 75 | 13 | 13 | 7 | 22.5 | 63.9 |
| 5/10/2002 | 15:00 | 18:00 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 63.9 |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|------------------------|----------------|----------------|--------|-------------|-----------|-----------|-----------|-----------|----------|--------------|--------------|
| 5/11/2002 | 8:00 | 9:00 | С | 57 | | 70 | 13 | 13 | 10 | 14.5 | 64.1 |
| 5/11/2002 | 9:00 | 10:00 | С | 50 | | 47 | 13 | 13 | 7 | 22.5 | 64.1 |
| 5/11/2002 | 10:00 | 11:00 | С | 58 | | 55 | 13 | 13 | 10 | 21.0 | 64.1 |
| 5/11/2002 | 11:00 | 12:00 | C | 84 | | 70 | 13 | 13 | 10 | 21.0 | 64.1 |
| 5/11/2002 | 12:00 | 13:00 | C | 80 | | 50 | 13 | 13 | 7 | 19.0 | 64.1 |
| 5/11/2002 | 13:00 | 14:00 | A | 75 | 35 | | 13 | 13 | 20 | 19.0 | 64.1 |
| 5/11/2002 | 14:00 | 18:00 | С | 57 | | 47 | 13 | 13 | 10 | 22.5 | 64.1 |
| 5/11/2002 | 18:00 | 19:00 | С | 49 | | 47 | 13 | 13 | 10 | 22.5 | 64.1 |
| 5/12/2002 | 8:20 | 12:00 | С | 69 | | 70 | 13 | 13 | 10 | 21.1 | 64.4 |
| 5/12/2002 | 12:00 | 18:00 | С | 40 | | 60 | 13 | 13 | 40 | 23.5 | 64.4 |
| 5/13/2002 | 8:00 | 9:00 | C | 48 | | 70 | 13 | 13 | 7 | 21.5 | 65.7 |
| 5/13/2002 | 9:00 | 13:00 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 65.7 |
| 5/13/2002 | 13:00 | 16:00 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 65.7 |
| 5/14/2002 | 8:00 | 14:20 | C | 49 | | 47 | 13 | 13 | 12 | 23.0 | 65.0 |
| 5/14/2002 | 14:20 | 16:00 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 65.0 |
| 5/23/2002 | 8:20 | 13:00 | C | 39 | | 47 | 13 | 13 | 18 | 23.5 | 57.2 |
| 5/24/2002 | 8:00 | 11:00 | C | 55 | | 60 | 13 | 13 | 10 | 22.0 | 59.8 |
| 5/24/2002 5/24/2002 | 11:00 12:00 | 12:00 16:00 | C C | 49 39 | | 47 47 | 13 13 | 13 13 | 12 18 | 23.0 | 59.8 59.8 |
| 5/25/2002 | 8:00 | 10:00 | C | 41 | | 70 | 13 | 13 | 7 | 21.0 | 62.6 |
| 5/25/2002 | 10:00 | 14:00 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 62.6 |
| 5/25/2002 | 14:00 | 18:00 | C | 36 | | 60 | 13 | 13 | 17 | 23.5 | 62.6 |
| 5/26/2002 | 8:15 | 11:00 | C | 80 | | 70 | 13 | 13 | 10 | 15.1 | 61.7 |
| 5/26/2002 | 11:00 | 18:00 | C | 45 | | 70 | 13 | 13 | 7 | 19.4 | 61.7 |
| 5/27/2002 | 8:15 | 10:00 | C | 60 | | 30 | 13 | 13 | 20 | 20.0 | 63.5 |
| 5/27/2002 | 10:00 | 12:00 | | | | | 13 | 13 | | | 3010 |
| 5/27/2002 | 12:00 | 13:00 | С | 57 | | 70 | 13 | 13 | 10 | 21.5 | 63.5 |
| 5/27/2002 | 13:00 | 15:00 | С | 57 | | 70 | 13 | 13 | 20 | 21.5 | 63.5 |
| 5/27/2002 | 15:00 | 17:00 | С | 36 | | 60 | 13 | 13 | 17 | 23.5 | 63.5 |
| 5/27/2002 | 17:00 | 18:00 | С | 39 | | 47 | 13 | 13 | 18 | 23.5 | 63.5 |
| 5/28/2002 | 8:30 | 8:45 | С | 58 | | 55 | 13 | 13 | 30 | 22.0 | 65.3 |
| 5/28/2002 | 8:45 | 10:45 | С | 41 | | 70 | 13 | 13 | 10 | 22.0 | 65.3 |
| 5/28/2002 | 10:45 | 11:20 | C | 45 | | 45 | 13 | 13 | 35 | 23.0 | 65.3 |
| 5/28/2002 | 11:20 | 16:00 | С | 39 | | 47 | 13 | 13 | 10 | 23.0 | 65.3 |
| 5/29/2002 | 8:15 | 12:20 | С | 56 | | 60 | 13 | 13 | 7 | 21.5 | |
| 5/29/2002 | 12:20 | 18:00 | C | 45 | | 55 | 13 | 13 | 15 | 23.0 | |
| 5/30/2002 | 8:30 | 9:30 | С | 60 | | 30 | 13 | 13 | 20 | 21.0 | 66.2 |
| 5/30/2002 | 9:30 | 13:20 | C | 84 | | 47 | 13 | 13 | 5 | 21.0 | 66.2 |
| 5/30/2002 | 13:20 | 14:35 | C | 55 | | 60 | 13 | 13 | 10 | 21.0 | 66.2 |
| 5/30/2002 | 14:35 | 16:25 | C | 50 | | 45 | 13 | 13 | 7 | 21.0 | 66.2 |
| 5/30/2002 | 16:25 | 18:00 | C | 58 | | 70 | 13 | 13 | 7 | 22.0 | 66.2 |
| 5/31/2002 | 8:00 | 11:00 | C | 61 | | 70 | 13 | 13 | 10 | 20.0 | 68.9 |
| 5/31/2002 5/31/2002 | 11:00 12:00 | 12:00 13:00 | C C | 50 49 | | 70 47 | 13 13 | 13 | 7 10 | 22.0 22.5 | 68.9 68.9 |
| 5/31/2002 | 13:00 | 16:00 | C | 36 | | 60 | 13 | 13 | 17 | 23.5 | 68.9 |
| 5/31/2002 | 16:00 | 17:00 | C | 49 | | 47 | 13 | 13 | 12 | 23.0 | 68.9 |
| 6/1/2002 | 8:40 | 10:50 | C | 84 | | 70 | 13 | 13 | 6 | 18.0 | 75.2 |
| 6/1/2002 | 10:50 | 13:05 | C | 60 | | 45 | 13 | 13 | 7 | 22.0 | 75.2 |
| 6/1/2002 | 13:05 | 17:00 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 75.2 |
| 6/2/2002 | 8:00 | 16:00 | C | 80 | | 70 | 13 | 13 | 10 | 22.0 | 76.1 |
| 6/3/2002 | 8:30 | 9:40 | C | 57 | | 70 | 13 | 13 | 20 | 21.5 | 76.9 |
| 6/3/2002 | 9:40 | 12:10 | C | 57 | | 70 | 13 | 13 | 10 | 21.5 | 76.9 |
| 6/3/2002 | 12:10 | 16:00 | С | 44 | | 50 | 13 | 13 | 11 | 22.5 | 76.9 |
| 6/4/2002 | 8:30 | 10:10 | С | 70 | | 60 | 13 | 13 | 60 | 21.5 | 76.1 |
| 6/4/2002 | 10:10 | 11:35 | С | 70 | | 50 | 13 | 13 | 20 | 20.5 | 76.1 |
| 6/4/2002 | 11:35 | 16:00 | C | 50 | | 45 | 13 | 13 | 7 | 22.0 | 76.1 |
| 6/5/2002 | 8:30 | 12:25 | С | 96 | | 70 | 13 | 13 | 5 | 19.0 | 76.2 |
| 6/5/2002 | 12:25 | 13:50 | C | 96 | | 70 | 13 | 13 | 5 | 19.0 | 76.2 |
| 6/5/2002 | 13:50 | 14:50 | С | 75 | | 47 | 13 | 13 | 5 | 19.0 | 76.2 |
| 6/5/2002 | 14:50 | 16:00 | С | 39 | | 47 | 13 | 13 | 18 | 19.0 | 76.2 |
| 6/6/2002 | 8:30 | 11:50 | С | 80 | | 70 | 13 | 13 | 10 | 17.5 | 77.0 |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|----------|------------|----------|------|-------------|-----------|-----------|-----------|-----------|---------|----------|-----------|
| 6/6/2002 | 11:50 | 12:50 | C | 70 | | 70 | 13 | 13 | 10 | 19.5 | 77.0 |
| 6/6/2002 | 12:50 | 16:00 | С | 50 | | 45 | 13 | 13 | 7 | 23.0 | 77.0 |
| 6/7/2002 | 8:00 | 15:00 | С | 55 | | 30 | 13 | 13 | 20 | 15.5 | 76.3 |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|-----------|------------|----------|------|-------------|-----------|-----------|-----------|-----------|---------|----------|-----------|
| 4/15/2003 | 1200 | 1400 | С | 36 | | 60 | 13 | 13 | 17 | 23.5 | 54.5 |
| 4/16/2003 | 1000 | 1400 | С | 55 | | 55 | 13 | 13 | 20 | 23.5 | 54.5 |
| 4/18/2003 | 910 | 1120 | С | 84 | | 70 | 13 | 13 | 15 | 20.0 | 54.8 |
| 4/18/2003 | 1120 | 1145 | С | 57 | | 70 | 13 | 13 | 10 | 21.5 | 54.8 |
| 4/18/2003 | 1145 | 1500 | С | 49 | | 47 | 13 | 13 | 12 | 23.0 | 54.8 |
| 4/21/2003 | 900 | 1215 | С | 39 | | 47 | 13 | 13 | 12 | 23.0 | 57.5 |
| 4/21/2003 | 1215 | 1500 | С | 45 | | 55 | 13 | 13 | 15 | 22.5 | 57.5 |
| 4/23/2003 | 900 | 1110 | С | 96 | | 70 | 13 | 13 | 5 | 23.0 | 56.3 |
| 4/23/2003 | 1110 | 1310 | С | 55 | | 60 | 13 | 13 | 10 | 22.0 | 56.3 |
| 4/23/2003 | 1310 | 1600 | С | 60 | | 45 | 13 | 13 | 7 | 22.0 | 56.3 |
| 4/25/2003 | 900 | 1000 | С | 50 | | 45 | 13 | 13 | 7 | 22.0 | 57.2 |
| 4/25/2003 | 1000 | 1100 | С | 30 | | 47 | 13 | 13 | 12 | 23.5 | 57.2 |
| 4/25/2003 | 1100 | 1200 | С | 49 | | 47 | 13 | 13 | 12 | 23.0 | 57.2 |
| 4/25/2003 | 1200 | 1300 | A | 75 | 35 | | 13 | 13 | 20 | 20.0 | 57.2 |
| 4/25/2003 | 1300 | 1400 | A/B | 63/74 | 30 | | 13 | 13 | 10 | 18.0 | 57.2 |
| 4/25/2003 | 1400 | 1700 | С | 55 | | 30 | 13 | 13 | 20 | 18.0 | 57.2 |
| 4/25/2003 | 1700 | 1800 | A/B | 75/75 | 30 | | 13 | 13 | 15 | 18.0 | 57.2 |
| 4/25/2003 | 1800 | 1900 | A/B | 63/74 | 30 | | 13 | 13 | 10 | 18.0 | 57.2 |
| 4/26/2003 | 900 | 1300 | С | 49 | | 47 | 13 | 13 | 12 | 23.0 | 58.1 |
| 4/26/2003 | 1300 | 1400 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 58.1 |
| 4/26/2003 | 1400 | 1500 | С | 80 | | 70 | 13 | 13 | 10 | 19.5 | 58.1 |
| 4/26/2003 | 1500 | 1600 | A | 79 | 35 | | 13 | 13 | 4 | 18.5 | 58.1 |
| 4/26/2003 | 1600 | 1900 | A | 83 | 35 | | 13 | 13 | 1 | 17.5 | 58.1 |
| 4/27/2003 | 900 | 1700 | A | 83 | 35 | | 13 | 13 | 1 | 19.0 | 58.1 |
| 4/28/2003 | 945 | 1100 | С | 50 | | 47 | 13 | 13 | 7 | 21.5 | 60.8 |
| 4/28/2003 | 1100 | 1310 | С | 44 | | 50 | 13 | 13 | 11 | 22.5 | 60.8 |
| 4/28/2003 | 1310 | 1620 | С | 58 | | 47 | 13 | 13 | 5 | 21.5 | 60.8 |
| 4/28/2003 | 1620 | 1650 | С | 70 | | 46 | 13 | 13 | 20 | 21.0 | 60.8 |
| 4/28/2003 | 1650 | 1900 | С | 70 | | 70 | 13 | 13 | 10 | 21.0 | 60.8 |
| 4/29/2003 | 830 | 1010 | С | 50 | | 47 | 13 | 13 | 7 | 22.0 | 62.6 |
| 4/29/2003 | 1010 | 1420 | С | 44 | | 50 | 13 | 13 | 11 | 22.5 | 62.6 |
| 4/29/2003 | 1420 | 1455 | C | 57 | | 70 | 13 | 13 | 10 | 22.5 | 62.6 |
| 4/29/2003 | 1455 | 1800 | C | 60 | | 55 | 13 | 13 | 3 | 20.5 | 62.6 |
| 4/30/2003 | 830 | 1155 | C | 50 | | 45 | 13 | 13 | 7 | 22.0 | 61.7 |
| 4/30/2003 | 1155 | 1540 | C | 45 | | 70 | 13 | 13 | 7 | 20.5 | 61.7 |
| 4/30/2003 | 1540 | 1900 | C | 96 | | 70 | 13 | 13 | 5 | 19.0 | 61.7 |
| 5/1/2003 | 815 | 1230 | C | 57 | | 70 | 13 | 13 | 20 | 21.5 | 62.6 |
| 5/1/2003 | 1230 | 1420 | С | 48 | | 70 | 13 | 13 | 7 | 21.5 | 62.6 |
| 5/1/2003 | 1420 | 1510 | C | 55 | | 70 | 13 | 13 | 7 | 21.5 | 62.6 |
| 5/1/2003 | 1510 | 1900 | C | 58 | | 55 | 13 | 13 | 30 | 21.0 | 62.6 |
| 5/2/2003 | 800 | 1200 | C | 44 | | 50 | 13 | 13 | 11 | 22.5 | 65.3 |
| 5/2/2003 | 1200 | 1300 | С | 39 | | 47 | 13 | 13 | 10 | 22.5 | 65.3 |
| 5/2/2003 | 1300 | 1400 | С | 58 | | 55 | 13 | 13 | 7 | 21.0 | 65.3 |
| 5/2/2003 | 1400 | 1500 | В | 55 | 40 | | 13 | 13 | 80 | 20.0 | 65.3 |
| 5/2/2003 | 1500 | 1900 | С | 61 | _ | 70 | 13 | 13 | 10 | 19.5 | 65.3 |
| 5/3/2003 | 800 | 900 | A | 83 | 35 | | 13 | 13 | 1 | 17.5 | 65.3 |
| 5/3/2003 | 900 | 1000 | C | 80 | | 50 | 13 | 13 | 20 | 19.5 | 65.3 |
| 5/3/2003 | 1000 | 1100 | C | 45 | | 55 | 13 | 13 | 15 | 22.5 | 65.3 |
| 5/3/2003 | 1100 | 1400 | C | 49 | | 47 | 13 | 13 | 10 | 22.5 | 65.3 |
| 5/3/2003 | 1400 | 1500 | C | 64 | | 70 | 13 | 13 | 7 | 21.0 | 65.3 |
| 5/3/2003 | 1500 | 1800 | C | 96 | 20 | 70 | 13 | 13 | 5 | 20.0 | 65.3 |
| 5/4/2003 | 800 | 1500 | AB | 63/74 | 30 | 0.7 | 13 | 13 | 10 | 18.0 | 64.4 |
| 5/4/2003 | 1500 | 1900 | C | 75 | | 35 | 13 | 13 | 15 | 18.5 | 64.4 |
| 5/5/2003 | 800 | 845 | C | 44 | | 50 | 13 | 13 | 11 | 22.5 | 65.3 |
| 5/5/2003 | 845 | 1225 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 65.3 |
| 5/5/2003 | 1225 | 1800 | C | 57 | | 70 | 13 | 13 | 60 | 22.0 | 65.3 |
| 5/6/2003 | 830 | 1020 | C | 55 | | 70 | 13 | 13 | 20 | 21.0 | 63.5 |
| 5/6/2003 | 1020 | 1900 | С | 58 | | 31 | 13 | 13 | 23 | 21.0 | 63.5 |
| 5/7/2003 | 830 | 1515 | C | 39 | | 47 | 13 | 13 | 12 | 23.0 | 65.3 |
| 5/7/2003 | 1515 | 1900 | C | 55 | | 70 | 13 | 13 | 10 | 21.0 | 65.3 |
| 5/8/2003 | 815 | 1255 | С | 44 | | 50 | 13 | 13 | 11 | 22.5 | 68.9 |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|-----------|------------|----------|------|-------------|-----------|-----------|-----------|-----------|---------|----------|-----------|
| 5/8/2003 | 1255 | 1800 | С | 70 | | 60 | 13 | 13 | 7 | 20.0 | 68.9 |
| 5/9/2003 | 800 | 900 | С | 58 | | 47 | 13 | 13 | 5 | 21.0 | 68.0 |
| 5/9/2003 | 900 | 1200 | С | 44 | | 50 | 13 | 13 | 11 | 22.5 | 68.0 |
| 5/9/2003 | 1200 | 1300 | С | 60 | | 55 | 13 | 13 | 3 | 20.5 | 68.0 |
| 5/9/2003 | 1300 | 1500 | С | 72 | | 55 | 13 | 13 | 7 | 19.5 | 68.0 |
| 5/9/2003 | 1500 | 1700 | A/C | 83/52 | | 45 | 13 | 13 | 6 | 19.5 | 68.0 |
| 5/9/2003 | 1700 | 1900 | С | 49 | | 47 | 13 | 13 | 10 | 22.5 | 68.0 |
| 5/10/2003 | 1200 | 1400 | A/B | 63/84 | | 30 | 13 | 13 | 10 | 17.1 | 64.4 |
| 5/10/2003 | 1400 | 1600 | С | 69 | | 70 | 13 | 13 | 20 | 20.5 | 64.4 |
| 5/10/2003 | 1600 | 1700 | С | 58 | | 55 | 13 | 13 | 30 | 21.0 | 64.4 |
| 5/10/2003 | 1700 | 1800 | С | 64 | | 70 | 13 | 13 | 7 | 21.0 | 64.4 |
| 5/11/2003 | 800 | 1000 | A/B | 63/74 | | 30 | 13 | 13 | 10 | 18.5 | 65.0 |
| 5/11/2003 | 1000 | 1400 | A | 79 | 35 | | 13 | 13 | 4 | 18.5 | 65.0 |
| 5/11/2003 | 1400 | 1500 | A/B | 75/75 | 30 | | 13 | 13 | 15 | 18.5 | 65.0 |
| 5/11/2003 | 1500 | 1700 | A | 71 | 35 | | 13 | 13 | 20 | 19.0 | 65.0 |
| 5/11/2003 | 1700 | 1800 | A/B | 63/84 | 30 | | 13 | 13 | 10 | 19.0 | 65.0 |
| 5/12/2003 | 800 | 1540 | С | 45 | | 75 | 13 | 13 | 7 | 22.5 | 65.7 |
| 5/12/2003 | 1540 | 1800 | С | 50 | | 70 | 13 | 13 | 7 | 21.5 | 65.7 |
| 5/13/2003 | 900 | 1300 | С | 45 | | 75 | 13 | 13 | 7 | 21.0 | 66.2 |
| 5/13/2003 | 1300 | 1800 | С | 50 | | 47 | 13 | 13 | 7 | 21.0 | 66.2 |
| 5/14/2003 | 800 | 1310 | С | 39 | | 47 | 13 | 13 | 10 | 22.5 | 63.9 |
| 5/14/2003 | 1310 | 1800 | С | 58 | | 55 | 13 | 13 | 7 | 21.0 | 63.9 |
| 5/15/2003 | 900 | 1215 | С | 30 | | 47 | 13 | 13 | 12 | 23.0 | 64.4 |
| 5/15/2003 | 1215 | 1310 | С | 84 | | 47 | 13 | 13 | 5 | 21.0 | 64.4 |
| 5/15/2003 | 1310 | 1800 | С | 45 | | 70 | 13 | 13 | 7 | 19.5 | 64.4 |
| 5/16/2003 | 800 | 900 | С | 30 | | 47 | 13 | 13 | 12 | 23.0 | 63.9 |
| 5/16/2003 | 900 | 1100 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 63.9 |
| 5/16/2003 | 1100 | 1200 | С | 49 | | 47 | 13 | 13 | 12 | 23.0 | 63.9 |
| 5/16/2003 | 1200 | 1400 | С | 57 | | 70 | 13 | 13 | 10 | 21.5 | 63.9 |
| 5/16/2003 | 1400 | 1700 | C | 72 | | 55 | 13 | 13 | 7 | 19.5 | 63.9 |
| 5/16/2003 | 1700 | 1800 | C | 57 | | 70 | 13 | 13 | 10 | 20.5 | 63.9 |
| 5/17/2003 | 800 | 1000 | C | 80 | | 70 | 13 | 13 | 10 | 17.5 | 62.8 |
| 5/17/2003 | 1000 | 1100 | C | 70 | | 70 | 13 | 13 | 10 | 21.0 | 62.8 |
| 5/17/2003 | 1100 | 1300 | C | 63 | | 60 | 13 | 13 | 10 | 21.5 | 62.8 |
| 5/17/2003 | 1300 | 1400 | C | 57 | | 70 | 13 | 13 | 20 | 22.0 | 62.8 |
| 5/17/2003 | 1400 | 1500 | C | 39 | | 47 | 13 | 13 | 12 | 23.0 | 62.8 |
| 5/17/2003 | 1500 | 1600 | C | 30 | | 47 | 13 | 13 | 10 | 23.5 | 62.8 |
| 5/17/2003 | 1600 | 1800 | С | 34 | | 47 | 13 | 13 | 12 | 23.0 | 62.8 |
| 5/18/2003 | 800 | 1000 | C | 57 | | 70 | 13 | 13 | 10 | 21.5 | 61.3 |
| 5/18/2003 | 1000 | 1500 | C | 50 | | 47 | 13 | 13 | 10 | 21.5 | 61.3 |
| 5/18/2003 | 1500 | 1600 | C | 57 | | 70 | 13 | 13 | 60 | 21.5 | 61.3 |
| 5/18/2003 | 1600 | 1700 | С | 50 | | 70 | 13 | 13 | 7 | 21.5 | 61.3 |
| 5/18/2003 | 1700 | 1800 | С | 45 | | 55 | 13 | 13 | 15 | 22.5 | 61.3 |
| 5/19/2003 | 815 | 1415 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 60.8 |
| 5/19/2003 | 1415 | 1700 | С | 30 | | 47 | 13 | 13 | 12 | 23.0 | 60.8 |
| 5/20/2003 | 815 | 1350 | C | 60 | | 55 | 13 | 13 | 12 | 23.0 | 60.0 |
| 5/20/2003 | 1350 | 1700 | C | 44 | | 50 | 13 | 13 | 11 | 22.5 | 60.0 |
| 5/21/2003 | 830 | 910 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 61.4 |
| 5/21/2003 | 910 | 1050 | C | 50 | | 47 | 13 | 13 | 10 | 21.5 | 61.4 |
| 5/21/2003 | 1050 | 1340 | C | 64 | | 70 | 13 | 13 | 7 | 21.5 | 61.4 |
| 5/21/2003 | 1340 | 1615 | C | 57 | | 70 | 13 | 13 | 20 | 21.5 | 61.4 |
| 5/21/2003 | 1615 | 1645 | C | 45 | | 55 | 13 | 13 | 16 | 21.5 | 61.4 |
| 5/21/2003 | 1645 | 1800 | C | 39 | | 47 | 13 | 13 | 12 | 22.5 | 61.4 |
| 5/22/2003 | 815 | 1155 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 60.8 |
| 5/22/2003 | 1155 | 1445 | C | 60 | | 30 | 13 | 13 | 20 | 20.0 | 60.8 |
| 5/22/2003 | 1445 | 1900 | C | 84 | | 70 | 13 | 13 | 10 | 20.0 | 60.8 |
| 5/23/2003 | 800 | 900 | С | 30 | | 47 | 13 | 13 | 12 | 23.0 | 60.3 |
| 5/23/2003 | 900 | 1200 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 60.3 |
| 5/23/2003 | 1200 | 1300 | C | 84 | | 47 | 13 | 13 | 5 | 21.0 | 60.3 |
| 5/23/2003 | 1300 | 1500 | C | 45 | | 70 | 13 | 13 | 7 | 20.0 | 60.3 |
| 5/23/2003 | 1500 | 1800 | С | 84 | | 70 | 13 | 13 | 20 | 19.5 | 60.3 |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|-----------|------------|----------|------|-------------|-----------|-----------|-----------|-----------|---------|----------|-----------|
| 5/24/2003 | 800 | 900 | C | 84 | | 70 | 13 | 13 | 20 | 20.0 | 63.2 |
| 5/24/2003 | 900 | 1000 | C | 63 | | 60 | 13 | 13 | 10 | 21.5 | 63.2 |
| 5/24/2003 | 1000 | 1400 | C | 49 | | 47 | 13 | 13 | 12 | 23.0 | 63.2 |
| 5/24/2003 | 1400 | 1700 | C | 55 | | 55 | 13 | 13 | 15 | 22.0 | 63.2 |
| 5/24/2003 | 1700 | 1800 | C | 56 | | 55 | 13 | 13 | 20 | 21.5 | 63.2 |
| 5/25/2003 | 800 | 1100 | C | 84 | | 70 | 13 | 13 | 20 | 19.5 | 64.1 |
| 5/25/2003 | 1100 | 1400 | C | 63 | | 60 | 13 | 13 | 10 | 21.5 | 64.1 |
| 5/25/2003 | 1400 | 1800 | C | 49 | | 47 | 13 | 13 | 12 | 23.0 | 64.1 |
| 5/26/2003 | 800 | 1120 | C | 56 | | 60 | 13 | 13 | 7 | 22.0 | 61.9 |
| 5/26/2003 | 1120 | 1800 | C | 50 | | 50 | 13 | 13 | 30 | 22.5 | 61.9 |
| 5/27/2003 | 815 | 1115 | C | 36 | | 60 | 13 | 13 | 17 | 23.0 | 61.7 |
| 5/27/2003 | 1115 | 1330 | C | 41 | | 70 | 13 | 13 | 10 | 22.0 | 61.7 |
| 5/27/2003 | 1330 | 1900 | C | 50 | | 45 | 13 | 13 | 7 | 22.0 | 61.7 |
| 5/28/2003 | 800 | 1050 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 61.7 |
| 5/28/2003 | 1050 | 1450 | C | 39 | | 47 | 13 | 13 | 10 | 22.5 | 61.7 |
| 5/28/2003 | 1450 | 1655 | C | 39 | | 75 | 13 | 13 | 7 | 22.5 | 61.7 |
| 5/28/2003 | 1655 | 1800 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 61.7 |
| 5/29/2003 | 900 | 950 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 63.5 |
| 5/29/2003 | 950 | 1035 | C | 49 | | 47 | 13 | 13 | 10 | 22.0 | 63.5 |
| 5/29/2003 | 1035 | 1530 | C | 58 | | 55 | 13 | 13 | 30 | 21.0 | 63.5 |
| 5/29/2003 | 1530 | 1800 | C | 39 | | 47 | 13 | 13 | 12 | 21.0 | 63.5 |
| 5/30/2003 | 800 | 1200 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 64.4 |
| 5/30/2003 | 1200 | 1300 | C | 55 | | 70 | 13 | 13 | 7 | 22.0 | 64.4 |
| 5/30/2003 | 1300 | 1600 | C | 60 | | 45 | 13 | 13 | 7 | 22.0 | 64.4 |
| 5/30/2003 | 1600 | 1700 | C | 72 | | 50 | 13 | 13 | 11 | 22.0 | 64.4 |
| 5/30/2003 | 1700 | 1800 | C | 49 | | 47 | 13 | 13 | 12 | 23.0 | 64.4 |
| 5/31/2003 | 900 | 1100 | C | 45 | | 55 | 13 | 13 | 15 | 22.5 | 66.1 |
| 5/31/2003 | 1100 | 1300 | C | 44 | | 50 | 13 | 13 | 11 | 22.0 | 66.1 |
| 5/31/2003 | 1300 | 1400 | C | 57 | | 70 | 13 | 13 | 10 | 21.0 | 66.1 |
| 5/31/2003 | 1400 | 1500 | C | 80 | | 50 | 13 | 13 | 20 | 20.0 | 66.1 |
| 5/31/2003 | 1500 | 1600 | C | 84 | | 70 | 13 | 13 | 10 | 20.0 | 66.1 |
| 5/31/2003 | 1600 | 1800 | C | 70 | | 70 | 13 | 13 | 10 | 21.0 | 66.1 |
| 6/1/2003 | 800 | 1000 | C | 63 | | 60 | 13 | 13 | 10 | 21.5 | |
| 6/1/2003 | 1000 | 1400 | C | 57 | | 70 | 13 | 13 | 20 | 21.5 | |
| 6/1/2003 | 1400 | 1500 | C | 45 | | 55 | 13 | 13 | 15 | 22.0 | |
| 6/1/2003 | 1500 | 1600 | C | 39 | | 47 | 13 | 13 | 10 | 22.5 | |
| 6/2/2003 | 1015 | 1100 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 65.8 |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|----------------------|------------|--------------|------|-------------|-----------|-----------|-----------|-----------|----------|----------|--------------|
| 4/12/2004 | 1030 | 1215 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 50.0 |
| 4/12/2004 | 1215 | 1400 | С | 85 | | 47 | 13 | 13 | 5 | 21.0 | 50.0 |
| 4/14/2004 | 1030 | 1200 | С | 49 | | 47 | 13 | 13 | 12 | 23.0 | 50.0 |
| 4/14/2004 | 1200 | 1500 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 50.0 |
| 4/19/2004 | 1030 | 1130 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 53.6 |
| 4/19/2004 | 1130 | 1500 | С | 39 | | 47 | 13 | 13 | 12 | 23.0 | 53.6 |
| 4/21/2004 | 1030 | 1545 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 60.3 |
| 4/21/2004 | 1545 | 1700 | С | 55 | | 60 | 13 | 13 | 10 | 22.0 | 60.3 |
| 4/22/2004 | 1015 | 1305 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 62.6 |
| 4/22/2004 | 1305 | 1325 | C | 55 | | 60 | 13 | 13 | 10 | 23.0 | 62.6 |
| 4/22/2004 | 1325 | 1700 | C | 50 | | 47 | 13 | 13 | 10 | 21.5 | 62.6 |
| 4/23/2004 | 1000 | 1300 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 63.0 |
| 4/23/2004 | 1300 | 1800 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 63.0 |
| 4/24/2004 | 800 | 1800 | C | 55 | | 45 | 13 | 13 | 25 | 22.5 | 63.0 |
| 4/25/2004 | 800 | 904 | C | 50 | | 45 | 13 | 13 | 25 | 19.5 | 64.4 |
| 4/25/2004 | 904 | 1210 | C | 47 | | 45 | 13 | 13 | 25 | 22.0 | 64.4 |
| 4/25/2004 | 1210 | 1320 | С | 50 | | 45 | 13 | 13 | 25 | 22.0 | 64.4 |
| 4/25/2004 | 1320 | 1800 | C | 60 | | 45 | 13 | 13 | 25 | 21.0 | 64.4 |
| 4/26/2004 | 800 | 1110 | С | 34 | | 47 | 13 | 13 | 12 | 23.0 | 63.9 |
| 4/26/2004 | 1110 | 1215 | С | 50 | | 47 | 13 | 13 | 10 | 23.0 | 63.9 |
| 4/26/2004 | 1215 | 1610 | С | 70 | | 60 | 13 | 13 | 7 | 21.5 | 63.9 |
| 4/26/2004 | 1610 | 1800 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 63.9 |
| 4/27/2004 | 830 | 1155 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 63.0 |
| 4/27/2004 | 1155 | 1800 | С | 30 | | 47 | 13 | 13 | 12 | 23.0 | 63.0 |
| 4/28/2004 | 800 | 1050 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 59.0 |
| 4/28/2004 | 1050 | 1800 | С | 96 | | 70 | 13 | 13 | 5 | 23.0 | 59.0 |
| 4/29/2004 | 100 | 1050 | С | 96 | | 70 | 13 | 13 | 5 | 23.0 | 58.9 |
| 4/29/2004 | 1050 | 1600 | С | 30 | | 47 | 13 | 13 | 12 | 23.0 | 58.9 |
| 4/30/2004 | 800 | 1300 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 59.6 |
| 4/30/2004 | 1300 | 1500 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 59.6 |
| 5/1/2004 | 800 | 1100 | С | 30 | | 47 | 13 | 13 | 12 | 23.5 | 61.0 |
| 5/1/2004 | 1100 | 1300 | C | 29 | | 49 | 13 | 13 | 25 | 23.5 | 61.0 |
| 5/1/2004 | 1300 | 1800 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 61.0 |
| 5/2/2004 | 745 | 835 | С | 75 ~~ | | 45 | 13 | 13 | 25 | 19.5 | 61.2 |
| 5/2/2004 | 835 | 920 | C | 55 | | 45 | 13 | 13 | 25 | 21.5 | 61.2 |
| 5/2/2004 | 920 | 1335 | C | 50 | | 45 | 13 | 13 | 25 | 21.5 | 61.2 |
| 5/2/2004 | 1335 | 1435 | C | 50 | | 45 | 13 | 13 | 35 | 21.5 | 61.2 |
| 5/2/2004 | 1435 | 1715 1900 | C | 50 35 | | 45 55 | 13 | 13 | 45 | 21.5 | 61.2 |
| 5/2/2004 5/3/2004 | 1715 | 850 | C | 30 | | 47 | 13 13 | 13 13 | 45 12 | 23.0 | 61.2 |
| 5/3/2004 | 800 850 | 1320 | C | 30 | | 47 | 13 | 13 | 25 | 23.0 | 62.0 62.0 |
| | 1320 | 1800 | C | 27 | | 91 | 13 | 13 | 34 | 23.0 | 62.0 |
| 5/3/2004 5/4/2004 | 730 | 1200 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 62.1 |
| 5/4/2004 | 1200 | 1600 | В | 40 | 40 | 41 | 13 | 13 | 55 | 23.8 | 62.1 |
| 5/4/2004 | 1600 | 1800 | C | 30 | 40 | 47 | 13 | 13 | 12 | 23.8 | 62.1 |
| 5/5/2004 | 800 | 1240 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 64.4 |
| 5/5/2004 | 1240 | 1800 | C | 25 | | 47 | 13 | 13 | 30 | 23.5 | 64.4 |
| 5/6/2004 | 800 | 1450 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 61.9 |
| 5/6/2004 | 1450 | 1800 | C | 36 | | 60 | 13 | 13 | 17 | 23.5 | 61.9 |
| 5/7/2004 | 800 | 1500 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 64.0 |
| 5/7/2004 | 1500 | 1800 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 64.0 |
| 5/8/2004 | 800 | 900 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 62.3 |
| 5/8/2004 | 900 | 1400 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 62.3 |
| 5/8/2004 | 1400 | 1600 | C | 30 | 44 | 90 | 13 | 13 | 25 | 23.5 | 62.3 |
| 5/8/2004 | 1600 | 1800 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 62.3 |
| 5/9/2004 | 730 | 810 | C | 70 | | 90 | 13 | 13 | 25 | 23.5 | 66.2 |
| 5/9/2004 | 810 | 1100 | C | 30 | | 90 | 13 | 13 | 35 | 23.5 | 66.2 |
| 5/9/2004 | 1100 | 1412 | C | 32 | | 90 | 13 | 13 | 35 | 23.5 | 66.2 |
| 5/9/2004 | 1412 | 1600 | C | 50 | | 90 | 13 | 13 | 45 | 23.5 | 66.2 |
| 5/9/2004 | 1600 | 1900 | C | 50 | | 90 | 13 | 13 | 45 | 23.5 | 66.2 |
| 5/10/2004 | 800 | 1800 | C | 36 | | 60 | 13 | 13 | 17 | 23.5 | 66.2 |
| 2. 200 F | 555 | - 555 | ~ | - 55 | | | | | | | 00.2 |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|-----------|------------|----------|------|-------------|-----------|-----------|-----------|-----------|---------|----------|-----------|
| 5/11/2004 | 800 | 1700 | С | 30 | 2 | 47 | 13 | 13 | 12 | 23.5 | 68.0 |
| 5/12/2004 | 730 | 1340 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 67.7 |
| 5/12/2004 | 1340 | 1800 | C | 36 | | 60 | 13 | 13 | 17 | 23.5 | 67.7 |
| 5/13/2004 | 800 | 1800 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 69.7 |
| 5/14/2004 | 815 | 1700 | C | 39 | | 47 | 13 | 13 | 18 | 23.3 | 71.6 |
| 5/15/2004 | 730 | 900 | C | 70 | | 50 | 13 | 13 | 20 | 20.0 | 73.4 |
| 5/15/2004 | 900 | 930 | C | 39 | | 47 | 13 | 13 | 18 | 23.5 | 73.4 |
| 5/15/2004 | 930 | 1800 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 73.4 |
| 5/16/2004 | 740 | 1010 | C | 37 | | 70 | 13 | 13 | 45 | 22.5 | 73.6 |
| 5/16/2004 | 1010 | 1208 | C | 40 | | 70 | 13 | 13 | 50 | 22.5 | 73.6 |
| 5/16/2004 | 1208 | 1625 | C | 55 | | 50 | 13 | 13 | 55 | 21.0 | 73.6 |
| 5/16/2004 | 1625 | 1800 | C | 32 | | 50 | 13 | 13 | 35 | 21.0 | 73.6 |
| 5/17/2004 | 745 | 930 | С | 49 | | 47 | 13 | 13 | 12 | 23.0 | 73.8 |
| 5/17/2004 | 930 | 1105 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 73.8 |
| 5/17/2004 | 1105 | 1700 | С | 44 | | 50 | 13 | 13 | 11 | 22.5 | 73.8 |
| 5/18/2004 | 730 | 1120 | С | 30 | | 47 | 13 | 13 | 12 | 22.5 | 75.2 |
| 5/18/2004 | 1120 | 1600 | С | 39 | | 47 | 13 | 13 | 10 | 22.5 | 75.2 |
| 5/18/2004 | 1600 | 1700 | С | 40 | | 60 | 13 | 13 | 50 | 22.5 | 75.2 |
| 5/19/2004 | 800 | 950 | С | 30 | | 47 | 13 | 13 | 18 | 23.5 | 75.6 |
| 5/19/2004 | 950 | 1140 | С | 27 | | 84 | 13 | 13 | 25 | 21.0 | 75.6 |
| 5/19/2004 | 1140 | 1700 | С | 58 | | 55 | 13 | 13 | 7 | 21.0 | 75.6 |
| 5/20/2004 | 745 | 840 | С | 30 | | 70 | 13 | 13 | 30 | 23.5 | 73.8 |
| 5/20/2004 | 840 | 1115 | С | 30 | | 47 | 13 | 13 | 12 | 23.5 | 73.8 |
| 5/20/2004 | 1115 | 1700 | С | 50 | | 60 | 13 | 13 | 35 | 22.0 | 73.8 |
| 5/21/2004 | 735 | 1300 | С | 34 | | 47 | 13 | 13 | 12 | 23.0 | 71.6 |
| 5/21/2004 | 1300 | 1600 | С | 49 | | 47 | 13 | 13 | 10 | 22.5 | 71.6 |
| 5/22/2004 | 745 | 1000 | A | 72 | 35 | | 13 | 13 | 15 | 19.0 | 74.3 |
| 5/22/2004 | 1000 | 1100 | С | 72 | | 45 | 13 | 13 | 7 | 22.0 | 74.3 |
| 5/22/2004 | 1100 | 1500 | С | 42 | | 59 | 13 | 13 | 24 | 23.5 | 74.3 |
| 5/22/2004 | 1500 | 1700 | С | 30 | | 47 | 13 | 13 | 12 | 23.0 | 74.3 |
| 5/23/2004 | 730 | 1010 | A | 78 | 30 | | 13 | 13 | 25 | 16.0 | 75.0 |
| 5/23/2004 | 1010 | 1255 | С | 50 | | 75 | 13 | 13 | 35 | 22.0 | 75.0 |
| 5/23/2004 | 1255 | 1600 | С | 33 | | 75 | 13 | 13 | 35 | 22.5 | 75.0 |
| 5/24/2004 | 800 | 1245 | С | 39 | | 47 | 13 | 13 | 18 | 23.0 | 76.1 |
| 5/24/2004 | 1245 | 1500 | С | 30 | | 47 | 13 | 13 | 12 | 23.0 | 76.1 |
| 5/25/2004 | 730 | 1530 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 76.2 |
| 5/26/2004 | 730 | 850 | C | 71 | | 71 | 13 | 13 | 30 | 23.0 | 77.0 |
| 5/26/2004 | 850 | 1020 | С | 30 | | 47 | 13 | 13 | 12 | 23.0 | 77.0 |
| 5/26/2004 | 1020 | 1500 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 77.0 |
| 5/27/2004 | 900 | 1500 | C | 32 | | 82 | 13 | 13 | 25 | 23.0 | 77.0 |
| 5/28/2004 | 750 | 1500 | C | 33 | | 80 | 13 | 13 | 30 | 22.5 | 76.1 |
| 5/29/2004 | 730 | 835 | C | 48 | | 55 | 13 | 13 | 15 | 21.5 | 73.8 |
| 5/29/2004 | 835 | 1500 | C | 39 | | 85 | 13 | 13 | 39 | 23.0 | 73.8 |
| 5/30/2004 | 740 | 1235 | A | 75 | 30 | | 13 | 13 | 30 | 16.0 | 73.4 |
| 5/30/2004 | 1235 | 1500 | С | 55 | | 80 | 13 | 13 | 35 | 21.5 | 73.4 |
| 5/31/2004 | 720 | 1024 | A | 72 | | 30 | 13 | 13 | 30 | 17.0 | 72.0 |
| 5/31/2004 | 1024 | 1300 | С | 72 | | 80 | 13 | 13 | 30 | 21.5 | 72.0 |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|------------------------|--------------|--------------|--------|-------------|-----------|-----------|-----------|-----------|----------|--------------|--------------|
| 4/15/2005 | 1200 | 1500 | C | 44 | | 50 | 13 | 13 | 11 | 22.0 | 52.7 |
| 4/18/2005 | 1200 | 1320 | С | 70 | | 50 | 13 | 13 | 20 | 20.5 | 55.4 |
| 4/18/2005 | 1320 | 1500 | C | 44 | | 50 | 13 | 13 | 11 | 22.5 | 55.4 |
| 4/20/2005 | 930 | 1215 | C | 61 | | 70 | 13 | 13 | 20 | 20.0 | 58.9 |
| 4/20/2005 | 1215 | 1610 | C | 39 | | 47 | 13 | 13 | 12 | 23.0 | 58.9 |
| 4/20/2005 | 1610 | 1700 | C | 50 | | 45 | 13 | 13 | 7 | 21.5 | 58.9 |
| 4/21/2005 | 900 | 1140 | C | 39 | | 47 | 13 | 13 | 18 | 23.0 | 59.0 |
| 4/21/2005 | 1140 | 1150 | A | 68 | 58 | 45 | 13 | 13 | 30 | 23.0 | 59.0 |
| 4/21/2005 | 1150 | 1315 | C | 86 | 25 | 47 | 13 | 13 | 7 | 20.5 | 59.0 |
| 4/21/2005 4/22/2005 | 1315 900 | 1700 1100 | A C | 73 39 | 35 | 47 | 13 | 13 13 | 20 18 | 18.0 23.0 | 59.0 61.0 |
| 4/22/2005 | 1100 | 1400 | C | 69 | | 70 | 13 | 13 | 10 | 21.5 | 61.0 |
| 4/22/2005 | 1400 | 1700 | C | 61 | | 70 | 13 | 13 | 10 | 19.5 | 61.0 |
| 4/23/2005 | 925 | 1410 | C | 41 | | 70 | 13 | 13 | 7 | 21.5 | 60.5 |
| 4/23/2005 | 1410 | 1800 | C | 61 | | 70 | 13 | 13 | 10 | 21.0 | 60.5 |
| 4/24/2005 | 925 | 1025 | C | 80 | | 70 | 13 | 13 | 10 | 17.5 | 58.7 |
| 4/24/2005 | 1025 | 1505 | A | 70 | 35 | , 0 | 13 | 13 | 14 | 17.5 | 58.7 |
| 4/24/2005 | 1505 | 1600 | C | 61 | | 70 | 13 | 13 | 10 | 19.0 | 58.7 |
| 4/25/2005 | 900 | 1305 | C | 44 | | 50 | 13 | 13 | 11 | 22.5 | 59.6 |
| 4/25/2005 | 1305 | 1530 | C | 45 | | 70 | 13 | 13 | 7 | 20.5 | 59.6 |
| 4/25/2005 | 1530 | 1800 | C | 70 | | 50 | 13 | 13 | 20 | 20.0 | 59.6 |
| 4/26/2005 | 900 | 1215 | С | 44 | | 50 | 13 | 13 | 11 | 22.5 | 60.4 |
| 4/26/2005 | 1215 | 1600 | C | 39 | | 47 | 13 | 13 | 10 | 22.5 | 60.4 |
| 4/27/2005 | 900 | 1700 | С | 39 | | 47 | 13 | 13 | 10 | 22.5 | 57.2 |
| 4/28/2005 | 900 | 1010 | C | 35 | | 75 | 13 | 13 | 22 | 23.0 | 55.4 |
| 4/28/2005 | 1010 | 1330 | C | 55 | | 70 | 13 | 13 | 20 | 21.0 | 55.4 |
| 4/28/2005 | 1330 | 1600 | C | 60 | | 55 | 13 | 13 | 3 | 20.5 | 55.4 |
| 4/29/2005 | 900 | 1200 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 55.3 |
| 4/29/2005 | 1200 | 1500 | C | 50 | | 70 | 13 | 13 | 7 | 21.5 | 55.3 |
| 4/30/2005 | 900 | 1120 | C | 30 | | 47 | 13 | 13 | 12 | 23.0 | 55.4 |
| 4/30/2005 | 1120 | 1150 | C | 39 | | 75 | 13 | 13 | 7 | 23.0 | 55.4 |
| 4/30/2005 | 1150 | 1215 | C | 60 | | 55 | 13 | 13 | 3 | 20.0 | 55.4 |
| 4/30/2005 | 1215 | 1400 | C | 72 | 45 | 55 | 13 | 13 | 7 | 19.0 | 55.4 |
| 5/1/2005 | 900 1115 | 1115 1400 | A | 83 80 | 45 35 | | 13 | 13 13 | 20 | 16.5 16.5 | 56.0 56.0 |
| 5/1/2005 5/1/2005 | 1400 | 1510 | A A | 65 | 35 | | 13 | 13 | 30 | 16.5 | 56.0 |
| 5/1/2005 | 1510 | 1700 | B | 75 | 33 | 65 | 13 | 13 | 30 | 18.5 | 56.0 |
| 5/2/2005 | 900 | 1210 | С | 39 | | 75 | 13 | 13 | 7 | 22.5 | 58.5 |
| 5/2/2005 | 1210 | 1410 | C | 58 | | 60 | 13 | 13 | 20 | 21.0 | 58.5 |
| 5/2/2005 | 1410 | 1700 | C | 82 | | 51 | 13 | 13 | 18 | 18.5 | 58.5 |
| 5/3/2005 | 900 | 1230 | C | 32 | | 60 | 13 | 13 | 20 | 23.0 | 57.0 |
| 5/3/2005 | 1230 | 1320 | A | 65 | 35 | 00 | 13 | 13 | 30 | 19.0 | 57.0 |
| 5/3/2005 | 1320 | 1700 | A | 80 | 45 | | 13 | 13 | 20 | 17.0 | 57.0 |
| 5/4/2005 | 945 | 1000 | C | 55 | | 60 | 13 | 13 | 10 | 21.5 | 57.2 |
| 5/4/2005 | 1000 | 1800 | A | 65 | 65 | | 13 | 13 | 25 | 19.0 | 57.2 |
| 5/5/2005 | 900 | 1230 | C | 46 | | 50 | 13 | 13 | 20 | 22.5 | 57.2 |
| 5/5/2005 | 1230 | 1430 | A | 79 | 35 | | 13 | 13 | 20 | 18.5 | 57.2 |
| 5/5/2005 | 1430 | 1645 | A | 79 | 35 | | 13 | 13 | 4 | 18.5 | 57.2 |
| 5/5/2005 | 1645 | 1800 | A | 79 | 35 | | 13 | 13 | 45 | 18.5 | 57.2 |
| 5/6/2005 | 830 | 1200 | C | 30 | | 47 | 13 | 13 | 12 | 23.5 | 56.2 |
| 5/6/2005 | 1200 | 1600 | C | 61 | | 70 | 13 | 13 | 10 | 19.0 | 56.2 |
| 5/6/2005 | 1600 | 1700 | C | 58 | | 55 | 13 | 13 | 30 | 21.0 | 56.2 |
| 5/7/2005 | 800 | 820 | C | 80 | | 50 | 13 | 13 | 20 | 21.5 | 56.8 |
| 5/7/2005 | 820 | 900 | С | 75 | | 50 | 13 | 13 | 8 | 22.0 | 56.8 |
| 5/7/2005 | 900 | 1235 | C | 50 | | 45 | 13 | 13 | 7 | 22.0 | 56.8 |
| 5/7/2005 | 1235 | 1800 | A | 64 | 35 | | 13 | 13 | 45 | 19.5 | 56.8 |
| 5/8/2005 | 710 | 1100 | A | 78 | 35 | | 13 | 13 | 30 | 17.0 | 57.2 |
| 5/8/2005 | 1100 | 1410 | A | 78 | 35 | | 13 | 13 | 35 | 17.0 | 57.2 |
| 5/8/2005 | 1410 | 1800 | A | 68 | 35 | CO | 13 | 13 | 43 | 18.0 | 57.2 |
| 5/9/2005 | 800 | 1140 | C | 55 | | 60 | 13 | 13 | 20 | 21.5 | 57.6 |
| 5/9/2005 | 1140 | 1405 1740 | C | 62 | 25 | 60 | 13 | 13 | 25 | 21.0 | 57.6 |
| 5/9/2005 5/9/2005 | 1405 1740 | 1800 | A C | 80 64 | 35 | 70 | 13 | 13 13 | 30 7 | 17.0 20.5 | 57.6 57.6 |
| 5/9/2005 | 800 | 1310 | C | 70 | | 60 | 13 | 13 | 25 | 20.5 | 57.6 |
| 3/10/2003 | 000 | 1310 | C | /0 | | UU | 13 | 13 | 23 | Z1.U | J9.U |

| \$102005 | Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|--|-----------|------------|----------|------|-------------|-----------|-----------|-----------|-----------|---------|----------|-----------|
| SI12005 1205 1800 C 55 S S S S S S S S | 5/10/2005 | 1310 | 1700 | С | 55 | | 40 | 13 | 13 | 20 | 21.5 | 59.0 |
| S122005 730 807 A | 5/11/2005 | 830 | 1205 | C | | | 51 | 13 | 13 | 20 | 21.0 | 61.7 |
| S122005 S07 1100 A | 5/11/2005 | 1205 | 1800 | C | | | 55 | 13 | 13 | 25 | 21.5 | 61.7 |
| S122005 | | | | A | | | | | | | | |
| S122005 | | | | | | 35 | | | | | | |
| S132005 S800 1140 C | | | | | | | | | | | | |
| S132005 | | | | | | | | | | | | |
| S142005 | | | | | | | 55 | | | | | |
| S115/2005 715 1000 | | | | | | _ | | | | | | |
| | | | | | | | | | | | | |
| \$172005 \$10 \$1435 A \$60 \$40 \$13 \$13 \$25 \$19.0 \$67.8 \$5182005 \$1100 \$1500 \$C \$67 \$5.5 \$13 \$13 \$40 \$21.0 \$68.2 \$5192005 \$1000 \$1500 \$C \$67 \$5.5 \$13 \$13 \$40 \$21.0 \$68.2 \$5192005 \$100 \$1500 \$C \$63 \$3.5 \$13 \$13 \$40 \$21.0 \$68.2 \$5192005 \$910 \$1440 \$C \$67 \$5.6 \$13 \$13 \$30 \$20.5 \$68.4 \$5192005 \$1440 \$1600 \$A \$60 \$30 \$13 \$13 \$30 \$20.5 \$68.4 \$5192005 \$1600 \$1800 \$A \$71 \$35 \$13 \$13 \$40 \$19.0 \$67.1 \$5202005 \$1000 \$1659 \$C \$67 \$50 \$13 \$13 \$40 \$19.0 \$67.1 \$5202005 \$1000 \$1659 \$C \$67 \$50 \$13 \$13 \$40 \$20.5 \$67.1 \$5202005 \$1000 \$1659 \$C \$67 \$50 \$13 \$13 \$40 \$20.5 \$67.1 \$5202005 \$1000 \$1659 \$C \$67 \$50 \$13 \$13 \$40 \$20.5 \$67.1 \$5202005 \$1000 \$1659 \$C \$67 \$50 \$13 \$13 \$40 \$20.5 \$67.1 \$5202005 \$1000 \$1659 \$C \$67 \$50 \$13 \$13 \$40 \$20.5 \$67.1 \$5202005 \$100 \$1505 \$A \$72 \$35 \$13 \$13 \$40 \$20.0 \$67.1 \$5212005 \$800 \$1100 \$A78 \$6374 \$30 \$13 \$13 \$10 \$18.0 \$69.8 \$5212005 \$100 \$1545 \$A \$72 \$35 \$13 \$13 \$3 \$40 \$20.0 \$67.1 \$5222005 \$100 \$1545 \$1915 \$A \$70 \$10 \$13 \$13 \$3 \$40 \$20.0 \$67.1 \$5222005 \$800 \$1105 \$C \$64 \$40 \$13 \$13 \$34 \$40 \$40 \$67.1 \$5232005 \$800 \$1105 \$C \$64 \$40 \$13 \$13 \$40 \$40 \$67.1 \$5242005 \$30 \$80 \$1105 \$C \$68 \$48 \$38 \$13 \$13 \$40 \$40 \$67.1 \$5242005 \$30 \$80 \$1105 \$C \$64 \$40 \$13 \$13 \$40 \$40 \$67.1 \$68.2 \$68.0 \$67.1 \$68.2 \$68.0 \$69.8 | | | | | | 35 | | | | | | |
| \$\frac{5172005}{5182005}\$ 1435 1700 A 65 35 13 13 35 190 67.8 \$\frac{5182005}{5182005}\$ 1500 1800 A 65 35 13 13 30 17.0 68.2 \$\frac{5192005}{5192005}\$ 1500 1800 A 65 35 13 13 30 17.0 68.2 \$\frac{5192005}{5192005}\$ 1500 1800 A 65 35 56 13 13 30 20.5 68.4 \$\frac{5192005}{5192005}\$ 1440 1600 A 60 30 13 13 30 20.5 68.4 \$\frac{5192005}{5192005}\$ 1440 1600 A 60 30 13 13 30 20.5 68.4 \$\frac{5192005}{5192005}\$ 1600 1800 A 71 35 13 13 30 20.5 68.4 \$\frac{5202005}{5192005}\$ 1000 A 71 35 13 13 30 20.5 68.4 \$\frac{5202005}{5220005}\$ 1700 1800 C 70 50 13 13 30 20.5 67.1 \$\frac{5202005}{5222005}\$ 1000 1880 C 70 50 13 13 30 20.5 67.1 \$\frac{5202005}{5222005}\$ 1000 1545 A 72 35 13 13 30 20.5 69.8 \$\frac{5212005}{5222005}\$ 1000 1545 A 70 10 13 13 55 18.0 69.8 \$\frac{5222005}{5222005}\$ 3800 1100 1545 A 70 10 13 13 45 17.0 67.1 \$\frac{5232005}{5222005}\$ 880 1105 C 64 40 13 13 45 17.0 67.1 \$\frac{5232005}{5222005}\$ 885 18.0 68.8 35 13 13 30 19.5 68.0 \$\frac{5242005}{5222005}\$ 855 1520 C 68 3.5 13 13 30 19.5 68.0 \$\frac{5242005}{5222005}\$ 855 1520 C 68 3.5 13 13 30 19.5 66.8 \$\frac{5242005}{5222005}\$ 855 1505 C 67 54 13 13 30 19.5 66.8 \$\frac{5252005}{5222005}\$ 855 1505 1700 A 66 25 13 13 3 0 19.5 66.4 \$\frac{5272005}{5222005}\$ 1505 1700 A 66 25 13 13 3 0 19.5 66.4 \$\frac{5272005}{5222005}\$ 1000 1000 A 8 83 35 13 13 30 18.5 66.9 \$\frac{5272005}{522005}\$ 130 1500 A 77 10 13 13 3 0 19.5 66.4 \$\frac{5272005}{522005}\$ 130 1500 A 77 10 13 13 13 10 19.5 66.4 \$\frac{5272005}{522005}\$ 130 1500 A 77 10 13 13 13 10 | | | | | | | 56 | | | | | |
| \$\frac{5182005}{5182005}\$ \frac{1100}{1500}\$ \frac{1500}{C}\$ \frac{C}{C}\$ \frac{67}{5}\$ \frac{55}{35}\$ \frac{13}{13}\$ \frac{13}{3}\$ \frac{40}{30}\$ \frac{21.0}{2.05}\$ \frac{68.2}{68.4}\$ \$\frac{5192005}{5192005}\$ \frac{800}{800}\$ \frac{910}{910}\$ \frac{C}{C}\$ \frac{63}{63}\$ \frac{56}{56}\$ \frac{13}{13}\$ \frac{13}{13}\$ \frac{30}{30}\$ \frac{20.5}{20.5}\$ \frac{68.4}{68.4}\$ \$\frac{5192005}{5192005}\$ \frac{1600}{1440}\$ \frac{1600}{1600}\$ \trac{A}{0}\$ \trac{71}{30}\$ \frac{13}{13}\$ \frac{13}{13}\$ \frac{30}{40}\$ \frac{20.5}{20.5}\$ \frac{68.4}{68.4}\$ \$\frac{5192005}{5192005}\$ \frac{1600}{1600}\$ \frac{1800}{A}\$ \trac{A}{71}\$ \frac{35}{30}\$ \frac{13}{13}\$ \frac{13}{13}\$ \frac{40}{40}\$ \trac{19.0}{19.0}\$ \frac{68.4}{68.4}\$ \$\frac{5192005}{5202005}\$ \frac{1600}{730}\$ \frac{1800}{A}\$ \trac{A}{71}\$ \frac{35}{35}\$ \frac{13}{13}\$ \frac{13}{13}\$ 40\$ 20.5\$ \frac{68.4}{68.4}\$ \$\frac{5202005}{5202005}\$ \frac{1000}{1000}\$ \frac{1659}{165}\$ \trac{C}{67}\$ \frac{50}{50}\$ \frac{13}{13}\$ 13\$ 40\$ 20.5\$ 67.1\$ \$\frac{5212005}{5212005}\$ 800\$ 1100\$ A\frac{70}{3}\$ 6374\$ 30\$ 13\$ 13\$ 10\$ 180\$ 69.8\$ \$\frac{5212005}{5212005}\$ 100\$ 1855\$ A\$ 70\$ 10\$ 13\$ 13\$ 10\$ 180\$ 69.8\$ \$\frac{5212005}{5222005}\$ 100\$ 1105\$ C\$ 64\$ 40\$ 13\$ 13\$ 40\$ 18.5\$ 67.1\$ \$\frac{5232005}{5222005}\$ 800\$ 1105\$ C\$ 64\$ 40\$ 13\$ 13\$ 40\$ 18.5\$ 67.1\$ \$\frac{5232005}{5222005}\$ 800\$ 1105\$ C\$ 64\$ 40\$ 13\$ 13\$ 40\$ 18.5\$ 67.1\$ \$\frac{5232005}{5222005}\$ 800\$ 1105\$ C\$ 68.3\$ \$\frac{35}{40}\$ 13\$ 13\$ 40\$ 18.5\$ 67.1\$ \$\frac{5232005}{5222005}\$ 130\$ 13\$ 13\$ 40\$ 18.5\$ 68.0\$ \$\frac{5272005}{730}\$ 855\$ A\$ 68.3\$ 38\$ 13\$ 13\$ 40\$ 18.5\$ 6 | | | | | | | | | | | | |
| \$\frac{\text{\$S182005}{\text{\$\$192005}}\$\$ 800 \text{\$\$192}{\text{\$\$0}}\$\$ 800 \text{\$\$91}{\text{\$\$0}}\$\$ 00 \text{\$\$C}\$\$ 63 \text{\$\$56}\$\$ 13 13 30 \text{\$\$1792005}\$\$ 205 \text{\$\$68.4}\$\$\$ \$\frac{\text{\$\$5192005}{\text{\$\$192005}}\$\$ 1440 \text{\$\$1600}\$\$ \text{\$\$A}\$\$ \text{\$\$60}\$\$ \text{\$\$313}\$\$ \text{\$\$30}\$\$ \text{\$\$205}\$\$ \text{\$\$68.4}\$\$\$ \$\frac{\text{\$\$5192005}}{\text{\$\$192005}}\$\$ 1600 \text{\$\$1800}\$\$\$ \text{\$\$A}\$\$ \text{\$\$7192005}\$\$ 1600 \text{\$\$800}\$\$\$ \text{\$\$A}\$\$ \text{\$\$7192005}\$\$ 1600 \text{\$\$800}\$\$\$ \text{\$\$A}\$\$ \text{\$\$7192005}\$\$ 1000 \text{\$\$68.4}\$\$\$\$ \text{\$\$7202005}\$\$ 1000 \text{\$\$68.4}\$\$\$\$ \text{\$\$7202005}\$\$ 1000 \text{\$\$68.4}\$\$\$\$ \text{\$\$7202005}\$\$ 1000 \text{\$\$68.7}\$\$\$\$ \text{\$\$7202005}\$\$ 1000 \text{\$\$800}\$\$\$\$ \text{\$\$C}\$\$\$ \text{\$\$7202005}\$\$ 1000 \text{\$\$800}\$\$\$\$\$\$ \text{\$\$C}\$\$\$ \text{\$\$7202005}\$\$\$ 1000 \text{\$\$800}\$ | | | | | | 35 | | | | | | |
| S1992005 800 910 C 63 56 13 13 30 20.5 68.4 | | | | | | 25 | 55 | | | | | |
| S1992005 910 1440 C | | | | | | 33 | 5.0 | | | | | |
| | | | | | | | | | | | | |
| S199/2005 1000 1800 A 71 30 13 13 40 19.0 68.4 | | | | | | 20 | 30 | | | | | |
| 5/20/2005 730 1000 A 71 35 13 13 20 19.0 67.1 5/20/2005 1000 1659 C 67 50 13 13 40 20.5 67.1 5/20/2005 1700 1800 C 70 50 13 13 40 20.0 67.1 5/21/2005 800 1100 A/B 63/74 30 13 13 10 18.0 69.8 5/21/2005 1545 A 70 10 13 13 4 20.0 69.8 5/21/2005 1545 1915 A 70 10 13 13 34 4 20.0 69.8 5/21/2005 150 15 A 70 10 13 13 40 18.5 67.1 5/23/2005 800 1105 C 64 40 13 13 40 18.5 67.1 5/24 | | | | | | | | | | | | |
| \$202005 1000 1659 C 67 50 13 13 40 20.5 67.1 | | | | | | | | | | | | |
| 5/20/2005 1700 1800 C 70 50 13 13 40 20.0 67.1 5/21/2005 1100 14/B 63/74 30 13 13 10 18.0 69.8 5/21/2005 1100 1545 A 70 10 13 13 4 20.0 69.8 5/21/2005 1545 1915 A 70 10 13 13 55 18.0 69.8 5/21/2005 730 1800 A 76 15 13 13 45 17.0 67.1 5/23/2005 800 1105 C 64 40 13 13 40 19.0 67.1 5/23/2005 800 1105 C 64 40 13 13 40 19.0 67.1 5/24/2005 730 855 A 68 35 13 13 40 19.0 66.1 5/24/2005 | | | | | | 33 | 50 | | | | | |
| S211/2005 | | | | | | | | | | | | |
| S21 2005 1100 1545 A 72 35 13 13 4 20.0 69.8 | | | | | | 30 | 50 | | | | | |
| S21 2005 | | | | | | | | | | | | |
| \$\frac{5222005}{5222005} 730 1800 | | | | | | | | | | | | |
| 5/23/2005 800 1105 C 64 40 13 13 40 18.5 67.1 5/23/2005 730 855 A 68 35 13 13 30 18.5 68.0 5/24/2005 855 1520 C 68 38 13 13 30 18.5 68.0 5/24/2005 855 1520 C 68 38 13 13 30 20.0 68.0 5/24/2005 835 1520 C 67 54 13 13 25 20.0 68.0 5/25/2005 830 1505 C 67 54 13 13 25 18.5 66.8 5/25/2005 830 1505 C 67 54 13 13 25 18.5 66.8 5/25/2005 800 1700 A 70 25 13 13 35 19.0 66.3 5/25/2005 800 1700 A 66 25 13 13 35 19.0 66.3 5/27/2005 730 1100 A 66 25 13 13 35 19.0 66.3 5/27/2005 1505 1700 A 66 30 13 13 35 19.0 66.4 5/27/2005 1000 1400 C 61 70 13 13 10 19.5 66.4 5/27/2005 1400 1500 A 85 35 13 13 20 19.5 66.4 5/27/2005 1400 1500 A 85 35 13 13 20 19.5 66.4 5/27/2005 1500 1600 A 85 35 13 13 20 19.5 66.4 5/27/2005 1500 1600 A 85 35 13 13 10 19.5 66.4 5/28/2005 730 900 A 83 35 13 13 1 17.5 68.9 5/28/2005 730 1310 A 77 10 13 13 3 20 19.5 68.9 5/28/2005 730 1310 A 77 10 13 13 3 20 19.5 68.2 5/29/2005 1310 1500 A 77 20 13 13 30 19.5 68.2 5/30/2005 730 1310 A 77 10 13 13 3 45 17.5 68.9 5/29/2005 1300 1600 A 75 25 13 13 3 45 19.0 70.2 6/2005 1300 1600 A 75 25 13 13 3 45 19.0 70.2 6/2005 1300 1600 A 78 10 13 13 3 46 20.5 70.0 6/2005 1300 1600 A 78 10 13 13 3 45 19.0 70.2 6/2005 1200 1400 C 70 50 13 13 3 45 19.0 70.2 6/2005 1200 1400 A 67 15 13 13 3 45 17.0 70.7 6/2005 1200 1400 A 67 15 13 13 3 45 19.0 70.2 6/2005 1230 1400 A 66 53 53 13 13 3 5 17.0 70.7 6/2005 1230 1400 A 66 5 | | | | | | | | | | | | |
| 5/24/2005 730 855 A 68 35 I3 I3 30 I8.5 68.0 5/24/2005 1520 C 68 38 I3 I3 40 20.5 68.0 5/24/2005 1520 1600 C 75 28 I3 I3 50 20.0 68.0 5/25/2005 1520 1600 C 75 28 I3 I3 50 20.0 68.0 5/25/2005 1505 1700 A 70 25 I3 I3 13 25 I8.5 66.8 5/26/2005 800 1700 A 66 25 I3 I3 35 19.0 66.8 5/27/2005 730 1100 A 69 30 I3 I3 13 20 16.5 66.4 5/27/2005 1100 1400 C 61 70 13 13 10 19.5 66.4 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | | | | | | |
| 5/24/2005 855 1520 C 68 38 13 13 40 20.5 68.0 5/24/2005 1520 1600 C 75 28 13 13 50 20.0 68.0 5/25/2005 830 1505 C 67 54 13 13 50 19.5 66.8 5/25/2005 1505 1700 A 70 25 13 13 50 19.5 66.8 5/26/2005 800 1700 A 66 25 13 13 35 19.0 66.8 5/27/2005 730 1100 A 69 30 13 13 20 16.5 66.4 5/27/2005 1200 1400 C 61 70 13 13 10 19.5 66.4 5/27/2005 1400 1500 A 85 35 13 13 10 19.5 66.4 5/2 | 5/23/2005 | 1105 | 1800 | С | 55 | | 40 | 13 | 13 | 40 | 19.0 | 67.1 |
| 5/24/2005 1520 1600 C 75 28 13 13 50 20.0 68.0 5/25/2005 830 1505 C 67 54 13 13 25 18.5 66.8 5/25/2005 1505 1700 A 70 25 13 13 50 19.5 66.8 5/26/2005 800 1700 A 66 25 13 13 35 19.0 66.3 5/27/2005 730 1100 A 66 30 13 13 20 16.5 66.4 5/27/2005 1100 1400 C 61 70 13 13 10 19.5 66.4 5/27/2005 1200 1400 A 85 35 13 13 20 19.5 66.4 5/27/2005 1500 1600 A 71 35 13 13 1 17.5 68.9 5/2 | 5/24/2005 | 730 | 855 | A | 68 | 35 | | 13 | 13 | 30 | 18.5 | 68.0 |
| 5/25/2005 830 1505 C 67 54 13 13 25 18.5 66.8 5/25/2005 1505 1700 A 70 25 13 13 50 19.5 66.8 5/26/2005 800 1700 A 66 25 13 13 35 19.0 66.3 5/27/2005 730 1100 A 69 30 13 13 20 16.5 66.4 5/27/2005 1200 1400 C 61 70 13 13 50 19.5 66.4 5/27/2005 1200 1400 C 61 70 13 13 10 19.5 66.4 5/27/2005 1400 1500 A 85 35 13 13 10 19.5 66.4 5/28/2005 130 1600 A 71 35 13 13 1 17.5 68.9 5/28 | 5/24/2005 | 855 | 1520 | С | 68 | | 38 | 13 | 13 | 40 | 20.5 | 68.0 |
| 5/25/2005 1505 1700 A 70 25 13 13 50 19.5 66.8 5/26/2005 800 1700 A 66 25 13 13 35 19.0 66.3 5/27/2005 730 1100 A 69 30 13 13 20 16.5 66.4 5/27/2005 1100 1200 A 60 30 13 13 50 19.5 66.4 5/27/2005 1200 1400 C 61 70 13 13 10 19.5 66.4 5/27/2005 1400 1500 A 85 35 13 13 20 19.5 66.4 5/27/2005 1500 1600 A 71 35 13 13 1 17.5 68.9 5/28/2005 900 1200 A 83 35 13 13 1 17.5 68.9 5/28 | 5/24/2005 | 1520 | 1600 | С | 75 | | 28 | 13 | 13 | 50 | 20.0 | 68.0 |
| 5/26/2005 800 1700 A 66 25 13 13 35 19.0 66.3 5/27/2005 730 1100 A 69 30 13 13 20 16.5 66.4 5/27/2005 1100 1200 A 60 30 13 13 50 19.5 66.4 5/27/2005 1200 1400 C 61 70 13 13 10 19.5 66.4 5/27/2005 1400 1500 A 85 35 13 13 20 19.5 66.4 5/27/2005 1500 1600 A 71 35 13 13 13 20 19.5 66.4 5/28/2005 130 1600 A 83 35 13 13 1 17.5 68.9 5/28/2005 1200 1400 A 71 35 13 13 1 17.5 68.9 < | 5/25/2005 | 830 | 1505 | С | 67 | | 54 | 13 | 13 | 25 | 18.5 | 66.8 |
| 5/27/2005 730 1100 A 69 30 13 13 20 16.5 66.4 5/27/2005 1100 1200 A 60 30 13 13 50 19.5 66.4 5/27/2005 1200 1400 C 61 70 13 13 10 19.5 66.4 5/27/2005 1400 1500 A 85 35 13 13 20 19.5 66.4 5/28/2005 1500 1600 A 71 35 13 13 20 19.5 66.4 5/28/2005 730 900 A 83 35 13 13 1 17.5 68.9 5/28/2005 900 1200 A 83 35 13 13 1 17.5 68.9 5/28/2005 1200 1400 A 71 35 13 13 1 17.5 68.9 5/29/2 | 5/25/2005 | 1505 | 1700 | A | 70 | | | | | | 19.5 | 66.8 |
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| 5/27/2005 1400 1500 A 85 35 13 13 20 19.5 66.4 5/27/2005 1500 1600 A 71 35 13 13 20 19.5 66.4 5/28/2005 730 900 A 83 35 13 13 1 17.5 68.9 5/28/2005 900 1200 A 83 35 13 13 1 17.5 68.9 5/28/2005 1200 1400 A 71 35 13 13 1 17.5 68.9 5/28/2005 1200 1400 A 71 35 13 13 1 17.5 68.9 5/28/2005 730 1310 A 77 10 13 13 20 19.5 68.9 5/29/2005 730 1630 A 77 20 13 13 3 20 19.5 68.2 | | | | | | 30 | | | | | | |
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| 5/29/2005 1310 1500 A 77 20 13 13 20 19.5 68.2 5/30/2005 730 1630 A 74 10 13 13 45 17.5 68.4 5/31/2005 800 1100 A 75 25 13 13 30 18.5 70.2 5/31/2005 1100 1600 A 67 15 13 13 45 19.0 70.2 6/1/2005 730 1010 A 78 10 13 13 40 17.0 71.3 6/1/2005 1301 1600 A 59 9 13 13 40 17.0 71.3 6/1/2005 1215 1400 C 70 50 13 13 45 20.5 71.3 6/2/2005 730 1215 1400 C 70 50 13 13 13 45 20.5 70.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | | | | | |
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| 6/6/2005 1110 1235 A 80 15 13 13 35 22.0 73.6 6/6/2005 1235 1400 C 52 44 13 13 25 22.5 73.6 6/7/2005 800 1225 A 80 15 13 13 20 17.0 76.6 | | 730 | | A | 80 | 11 | | | | | | |
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| 6/7/2005 800 1225 A 80 15 13 13 20 17.0 76.6 | 6/6/2005 | 1110 | 1235 | A | 80 | 15 | | 13 | 13 | 35 | 22.0 | 73.6 |
| | 6/6/2005 | 1235 | 1400 | С | | | | | | 25 | 22.5 | 73.6 |
| 6/7/2005 1225 1400 C 52 30 13 13 25 225 766 | | | 1225 | | | 15 | | | | | | 76.6 |
| 0/1/2000 1225 1700 C 32 30 15 15 25 22.5 70.0 | 6/7/2005 | 1225 | 1400 | C | 52 | | 30 | 13 | 13 | 25 | 22.5 | 76.6 |

| Date | start time | end time | Gate | GateSetting | DiffuserA | DiffuserB | SpillwayA | SpillwayB | Crowder | Tailrace | Watertemp |
|----------|------------|----------|------|-------------|-----------|-----------|-----------|-----------|---------|----------|-----------|
| 6/8/2005 | 815 | 1240 | A | 81 | 15 | | 13 | 13 | 25 | 17.5 | 77.0 |
| 6/8/2005 | 1240 | 1400 | С | 52 | | 30 | 13 | 13 | 25 | 22.0 | 77.0 |

| The content of the co | T | | | | | | | | | | | | | | | | 1 | T T | | T I | | | T | | Y | | | | | |
|--|------------------------|-----------|-------|----------------|-------|---------|-----|--------|-----|----------------|--------|---|----------|----------------|---|---|----------|-----|----------|-----|----------|----------|-------------|-----------------|------|----------------|--------------------------------|----------------------|---------------|------------|
| Mathematical Content | | | | | 2 : | 3 4 | 1 5 | 5 | | | 8 | 9 | 10 1 | | | С | | | В | | В | | | | | | | | | |
| Mathematical Property of the property of the | 4/5/2010 4/7/2010 | 945-1310 | 5 & 4 | х | х |) | (| | x x | | х | х | х : | х | | х | 44 | | 60 | | 12 | 31 | 107.1-107.3 | 22.5-23.0 | | | | | | Upper limi |
| Mathematical Content | 4/9/2010 | 700-800 | 3 & 0 | | | T | 7 | x | х х | T | | | | × | х | | 82 | 10 | | 14 | 14 | 25 | 106.8 | 18.5 | 61.7 | Large amoun | of debris on screens | | | |
| Mathematical Math | | | | | | () | () | x x | x x | Н | X X | X | X : | x | | | | | | | | | | | | Crowder door | s are opening and closing on | themselves | | |
| Mathematical Math | 4/11/2010 | | | | + |) | | | | | | | | - | | | | | | | | | | | 64.4 | Problem with | opening Diff. A | | | - |
| Part | | | | - | - | | | | | | х | | | - | х | х | | 6 | 50 | | | | | | | | | | | - |
| Martin | 4/13/2010 | | | | x 2 | () | | | | | х | х | | | | | 40 | | 40 | 13 | 14 | 25 | | | 62.6 | Tripped DWG | breaker | | | |
| Mathematical Math | 4/14/2010 | | | | Η, | | () | X | x x | | | х | | | | | 50 | | 40 | 14 | 14 | 31 | | | 61.5 | | | | | |
| Mathematical | 4/15/2010 | | | | 1 |) | () | x | х х | | х | | | \dashv | | х | | | | | | | | 22 | 62.7 | | | | | |
| See Methods 1. 1 | 4/16/2010 | 0815-0905 | 2 & 0 | | 7 | \perp |) | X | х | Ш | | | # | \dashv | + | х | 90 | | 50 | 14 | 14 | 30 | 106.6 | 18 | | | | | | |
| See Legen Benefit with a september of the property of the prop | 4/17/2010 | 800-1615 | 3 & 0 | | | \perp |) | X | x x | Ш | Î | | | \parallel | х | | 80 | 5 | | 11 | 14 | 30 | 107.1-108.5 | 17.0-18.5 | 64.4 | Largeamount | of debris on screens | | | |
| Martin | 4/18/2010 | 1300-1700 | 3 & 1 | | Ŧ, |) | () | X | х | | х | | | | Ţ | | 78 | - | | 12 | 12 | 25 | 108.2-108.4 | 19.5 | | Large amoun | of debris on screens and in h | opper. Late staar | rt | |
| Seed Methods | 4/19/2010 | 1235-1650 | 4 & 0 | | 1. |) | () | X | x x | | , | | | | | | 78 | 10 | | 14 | 14 | 30 | 108.0-108.3 | 19.7-20.0 | 60.4 | Maint came o | ut and raised Diff A to 10%ti | be left here for t | the year. | |
| Septiments | 4/20/2010 | 800-1205 | 4 & 1 | X | Τ, | | () | X | x x | | | X | | × | | | 71 | 10 | | 14 | 14 | 30 | 106.4-106.7 | 20.5-20.8 | 61.7 | | | | | |
| Mathematical Content | | 1700-1815 | 4 & 1 | | |) | () | x | х х | | | | | | X | | 71 | 10 | | 14 | 14 | 30 | 107.9-108.0 | 20.5 | | UWG stopper | at 14 on the way closed. Mai | int. Said it was a t | thermal break | ker. |
| | 4/21/2010 | 1215-1705 | 2 & 0 | | х | | | | X | Ш | | | | Ш | х | | 94 | 10 | | 16 | 16 | 30 | 107.2-108.4 | 18.5 | 61 | | | | | |
| Mart | 4/22/2010 | 815-1015 | 4 & 0 | Х | X 2 |) | () | X | x x | Ш | | | | | x | | 78 | 10 | | 14 | 14 | 30 | 106.5-106.9 | 19.8 | 62.6 | | | | | |
| Section 1. Control 1. | | 1215-1710 | 2 & 0 | | \pm | |) | X | Х | | х | Х | | Ш | x | | 90 | 10 | | 16 | 16 | 30 | 107.4-108.3 | 19 | | | | | | |
| Mathematical Math | 4/23/2010 | 800-1320 | 4 & 2 | | x 2 | | () | x | x x | | | | - - | | | | 52 | 10 | | 14 | 14 | 30 | 106.2-107.0 | 21 | 62.1 | 1030-1105 M | aint. Fixed window gate | | | |
| See See See See See See See See See See | | 1700-1745 | 4 & 2 | Ŧ | F | - | () | x | x x | | x | х | | \blacksquare | | х | 52 | 10 | 50 | 14 | 14 | 30 | 107.4 | 21 | | | | nd of night | | |
| Mathematical Content of the conten | 4/24/2010 4/25/2010 | | | | Ŧ | F |) | x | X | 44 | _ | | | \mathbb{H} | | H | | | | | | | | | | Gate A tripper | i breaker | | | <u> </u> |
| Mathematical Content of the conten | | | | | Ŧ | Ŧ | | | | | _ | | | | | | | | | | | | | | | | | | | <u> </u> |
| Martin | 4/26/2010 | 1700-1835 | 4 & 0 | \blacksquare | 7 | | () | x | хх | П | x | х | \mp | | | x | 80 | 2 | 50 | 14 | 14 | 30 | 106.7-106.8 | 19.5 | 60.5 | Maint. fixed T | ash Rack A first thing this mo | ming | | |
| Mathematical Content of the conten | 4/27/2010 | 800-900 | 2 & 0 | 1 | 7 | |) | x | х | Ш | 4 | | | | | | 82 | 10 | Ė | 14 | 14 | 30 | 106.1 | 19 | | | | | | |
| Seminary Control | | 1300-1620 | 2 & 0 | | v , | |) | X | х | П | v | Y | | | | v | 87 | 10 | 50 | 14 | 14 | 30 | 106.8-106.9 | 19 | | | | | | - |
| Mathematical Control | 4/28/2010 | 800-915 | 2 & 0 | | Ť |) | () | X | | Ш | | _ | | | | | 88 | 10 | 46 | 14 | 14 | 30 | 105.8 | 18.5 | 61.7 | | | | | |
| | 400,0040 | 1000-1630 | 4 & 2 | | 1 | | () | x | хх | | х | х | | Ш | | х | 55 | 10 | | 14 | 14 | 30 | 106.9-107.2 | 21.5 | 04.7 | | | | | |
| Mathematical Content of the conten | | 1300-1630 | 7 & 3 | x | | | () | x | хх | | | | | | _ | | 42 | 10 | | 14 | 14 | 35 | 107.6-108.0 | 23 | | UWG A trippe | d while closing | | | |
| Martin M | | 1200-1640 | 7 & 3 | | x : | | () | x | x x | П | х | х | | | | х | 40 | 10 | 50 | 14 | 14 | 26 | 106.2-106.4 | 23 | | | | | | |
| | | 1300-1800 | 6 & 4 | | x : | () | () | X | x x | | X | X | х : | x | | | 40 | 10 | | 14 | 14 | 30 | 106.9-107.1 | 23.1-23.5 | | | | | | |
| Mary No. 1985 Mary No. 198 | 5/2/2010 | 1015-1410 | 4 & 2 | | х | |) | x | | | | | | | х | | 58 | 10 | | 14 | 14 | 30 | 107.5-107.7 | 22 | 61.9 | | | | | |
| Control Cont | 5/3/2010 | 800-1200 | 2 & 0 | | х | |) | X | | | Х | Х | х : | | х | | 97 | 10 | | 14 | 14 | 30 | 107.2-107.8 | 18.5 | 63.5 | | | | | |
| Martin M | | 1215-1830 | 7 & 3 | | | | () | X | x x | | х | х | | x | | | 48 | 10 | | 14 | 14 | 30 | 108.0-108.5 | 23 | - | | | | | |
| Martin M | | 1200-1700 | 6 & 4 | | x : | | | X | x x | | х | х | x | x | х | х | 38 | 10 | 50 | 14 | 14 | 30 | 108.0-108.2 | 23.5 | | | | | | |
| Ministry | 5/5/2010 | | | | | | () | | | | х | х | | x | х | x | | | 50 | | | | | | 66.3 | | | | | <u> </u> |
| Marchan Marc | 5/6/2010 | | | | | () | | | хх | Н | | х | х : | x | х | х | | | 50 | | | | | | 66.5 | | | | | _ |
| Ministry | 5/7/2010 | 1600-1635 | 7 & 4 | | | () | | X | х х | | | | | | - | | 35 | 10 | 50 | | 14 | 30 | 109 | 23.5 | 70 | | | | | - |
| Manual M | | | 4 & 1 | | х | () |) | X | х х | П | х | х | | x | | х | 65 | 10 | 50 | 14 | 14 | 35 | 107.2-107.7 | 21 | | | | | | - |
| Mary No. | 5/8/2010 | 800-1100 | 2 & 0 | | х | |) | x | | | | | | \blacksquare | х | | 85 | 10 | | 14 | 14 | 30 | 106.6-107.0 | 19 | 70.7 | | | | | |
| 96-115 | 5/9/2010 | 710-855 | 2 & 0 | | х | |) | X | | H | | | | \Box | | | 96 | 10 | | 15 | 15 | 25 | 106.9 | 18 | 68.2 | | | | | |
| 980-980 | | 945-1115 | 2 & 0 | | х | , , |) | x | v v | H | v | | | \dashv | | v | 95 | 10 | 50 | 15 | 15 | 25 | 107.2-107.7 | 18 | | | | | | |
| Minimary | 5/10/2010 | 800-1000 | 4 & 1 | | х | Ť |) | x | x x | П | | | | \parallel | | | 65 | 10 | | 14 | 14 | 30 | 106.4 | 19.5-20.0 | 67.1 | | | | | |
| Mon-1980 | | 1145-1305 | 4 & 0 | | х | t |) | x | | | | | | | х | | 74 | 10 | | 14 | 14 | 35 | 106.4-106.5 | 19.5-20.1 | | | | | | |
| 1909-1906 2.80 | E/44/204- | 1800-1830 | 4 & 2 | | х | 1 |) | x | | | | | # | \parallel | ^ | | 55 | 10 | | 14 | 14 | 30 | 107.7 | 22 | 07. | | | | | |
| | or11/2010 | 1000-1545 | 2 & 0 | | х | # |) | x | A X | † | × | Å | | | | X | 82 | 10 | 50 | 14 | 14 | 30 | 107.0-107.8 | 19 | 67.1 | | | | | |
| 1951-1800 | 5/12/2010 | 750-1005 | 6 & 1 | | x : | () | () | x | | | x | | | \parallel | | х | 55 | 10 | 50 | 14 | 14 | 30 | 106.4-106.6 | 21.5 | 65.7 | | | | | |
| 98-9-115 2.40 | | 1515-1800 | 3 & 0 | | х | + |) | x | | | | | | | x | | 87 | 10 | | 14 | 14 | 30 | 107.9-108.6 | 19.3-19.4 | | | | | | |
| 128-5195 | 5/13/2010 | 945-1115 | 2 & 0 | | х | 1 |) | x | + | Ш | = | | | | х | | 88 | 10 | | 14 | 14 | 30 | 106.3-106.5 | 19 | 65.3 | | | | | |
| | | 1245-1515 | 2 & 0 | | х | t |) | x | | Ш | | | | | х | | 94 | 10 | | 14 | 14 | 30 | 107.3-107.8 | 19 | | | | | | |
| 1100-1300 | 5/14/2010 | 800-1030 | 7 & 4 | х | X 2 | | () | x | | | | | | х | X | | 32 | 10 | | 14 | 14 | 30 | 105.5-106.0 | 23.5 | 67.1 | | | | | |
| 1300-1600 | | 1100-1300 | 4 & 1 | | |) | () | x | х х | TT | х | | | | | х | 73 | 10 | 50 | 14 | 14 | 30 | 105.8-106.1 | 20.6 | | | | | | |
| 1140-1400 | 5/15/2010 | 800-1140 | 6 & 1 | | | () | () | X | х х | H | Х | х | X | x] | | х | 60 | | | | | | 107.3-107.5 | | 64.4 | | | | | |
| 1162010 786-1285 6.6 1 | | | 6 & 1 | | x 2 | () | () | X X | x x | Н | X X | х | x | x | | x | 55 30 | 10 | 50 50 | 14 | 14 14 | 30 30 | 107.3-107.4 | 22 23.5-24.0 | | | | | | <u> </u> |
| | 5/16/2010 | 745-1255 | 6 & 1 | | x : | () | () | X | x x | | X | | | \exists | - | х | 60 | 10 | 50 | 14 | 14 | 30 | 106.5-106.7 | 21.5 | 62.6 | | | | | - |
| 1300-1800 | 5/17/2010 | 800-1145 | 6 & 1 | | x : | () | | x | x x | H | x | х | x | x | | х | 57 | 10 | 50 | 14 | 14 | 30 | 106.8-107.1 | 21.5-22.0 | 63.5 | | | | | |
| 1130-1300 | 5/18/2010 | 1300-1800 | 6 & 4 | | x : | | () | X | x x | H | х | х | x | к | x | | 42 | 10 | | 14 | 14 | 25 | 106.2-107.0 | 22.5-23.5 | 63.3 | | | | | |
| 135-1630 | | 1130-1300 | 2 & 0 | | х | # |) | x | χv | H | × | × | | | | x | 96 | 10 | 50 | 14 | 14 | 30 | 107.0-107.8 | 19.3-19.5 | | | | | | - |
| 115-1300 | 5/19/2010 | 1315-1630 | 7 & 4 | х | x : | () | () | X | x x | | | | x : | | | | 39 | 10 | | 14 | 14 | 30 | 107.1-107.6 | 23.4-23.5 | 64.2 | | | | | |
| \$202010 | b/19/2010 | 1135-1300 | 4 & 0 | | х | # |) | X | x x | | | | | | | | 83 | 10 | | 14 | 14 | 30 | 106.4-106.8 | 19.5-19.6 | 64.3 | | | | | |
| 1300-13220 6 8.8 3 | 5/20/2010 | 800-945 | 4 & 2 | | х | () |) | X | x x | П | х | х | | X | 1 | х | 62 | 10 | 50 | 14 | 14 | 25 | 107.0-107.2 | 22 | 65.7 | | | | | |
| 1320-1510 | | 1300-1320 | 6 & 3 | | | | () | x | x x | П | х | | <u> </u> | x | _ | х | 42 | 10 | | | | | 107 | 23 | | | | | | |
| 1600-1800 | | 1320-1510 | 7 & 3 | | x : | | () | X | x x | | х | | х : | к | Ŧ | х | | 10 | 50 | 14 | 14 | 30 | 106.5 | 22.0-22.5 | | | | | | |
| 9800-1400 4422 1 1 1 1 1 1 1 1 1 | 5/21/2010 | 1600-1800 | 3 & 0 | | х | Ŧ |) | X | | \blacksquare | 1 | | | | | | 90 | 10 | | 14 | 14 | 30 | 107.1-107.3 | 19.0-19.5 | 66.8 | | | | | |
| 5222010 0800-1200 280 X X X X 85 10 50 14 14 30 106.1-107.3 19.0-22.5 67.1 | | 0900-1400 | 482 | | | , | | | хх | # | x | x | x | | = | | 60 | 10 | 50 | 14 | 14 | 30 | 108.2-108.5 | 19.0-22.0 | 30.0 | | | | | |
| 1200-1630 8&2 X X X X X X X X X X X X X X X X X X X | E/22/2010 | | 280 | | х | | , | | | Ħ | | | | | х | | 85 | 10 | | 14 | 14 | 30 | 106.1-107.3 | 19.0-22.5 | 67.1 | | | | | |

| Gate | and Diffuser s | setting are in per | rcent | open ar | nd fore | ebay | and tailra | ace el | levation | s are in 1 | eet abo | ve mean s | ea lev | el and are take | en inside o | ur downs | tream char | nel. Water | temperature | was taken in t | the morning fro | om the surfa | ce of the trou | gh. | | |
|------------------------|-----------------------------------|-------------------------|-------|---------------|---------|------|------------|----------------|----------|------------|----------|-----------|--------|-----------------|---------------|------------|------------|------------|----------------|----------------------------|------------------------|--------------|----------------|--------------------------------|-----|--|
| | I I | Generation | T | | Small U | | | | | arge Units | | Weir | | Gate | | er Setting | | y Setting | Crowder | Forebay | Tailrace | Water | | | | |
| Date | Time 1000-1400 | (small & large) 48.2 | 1 | 2 3 | | | 6 7 X X | | 8 | 9 10 X | 11 | A B | | Setting 65 | A 10 | B 50 | A 14 | B 14 | Area Gate | Elevation 107.3-107.6 | Elevation 18.5-22.0 | Temp F | | | | |
| 5/24/2010 | 1400-1700 0730-1200 | 4&1 2&0 | | х | | x | x x | | x | | | x | х | 70 | 10 | | 14 | 14 | 35 20 | 107.3-107.4 108.0-108.8 | 21.0-21.8 | 68 | | | | |
| 5/25/2010 | 1200-1630 | 6&3 | | x x | ίх | х | x x | | х | х | х | x | х | 48 | 10 | 50 | 14 | 14 | 40 | 108.4-108.9 | 18.5-23.3 | | | | | |
| | 0800-1200 1200-1600 | 4&0 6&3 | | x x | ίх | х | | | х | х | х | | х | 100 | 10 | 50 | 18 | 18 | 30 | 108.0-108.7 | 19.4-23.0 22.9-23.1 | 70.3 | | | | |
| 5/26/2010 | 0800-0930 0930-1300 | 280 682 | | X X | | | x x | | х | | х | x | х | 86 70 | 10 | 50 | 14 | 14 | 30 | 107.6-107.9 107.2-107.6 | 19 19.0-22.5 | 73 | | | | |
| 5/27/2010 | 1530-1620 0800-1400 | 78.4 28.0 | X | X X | | х | | | | X X | X | x | X | 40 100 | 10 | 50 50 | 14 20 | 14 20 | 35 30 | 106.8-107.1 106.5-108.3 | 23.5 18.5-23.2 | 73.4 | | | | |
| 5/28/2010 | 1400-1600 0730-1100 | 6&4 2&0 | | X X | СХ | X | хх | | х | X X | X | х | х | 42 100 | 10 | 50 | 14 | 14 18 | 30 20 | 108.4-108.6 107.6-108.1 | 23.2-23.5 18.5-21.0 | 73.1 | | | | |
| | 1100-1515 1515-1630 | 4&1 6&2 | |) | c x | F | хх | | X | x | | | x | 74 60 | 10 | 50 50 | 18 | 18 18 | 30 30 | 108.0-108.2 108.1 | 21.0-21.2 | | | | | |
| 5/29/2010 | 0800-1300 1300-1545 | 2&0 4&1 | | x | | X | x x | H | x | x | | х | x | 100 | 10 | 50 | 14 | 14 | 30 | 107.0-108.8 108.8 | 18.5-20.5 20.5 | 75.2 | | | | |
| 5/30/2010 | 0715-1435 1435-1510 | 280 481 | | х | | X | | Щ | x | | | х | x | 100 | 10 | 50 | 16 15 | 16 15 | 20 | 107.5-108.7 108.6-108.7 | 18.3 18.3 | 75.5 | | | | |
| 5040040 | 1510-1612 0730-1415 | 6&3 | |) | ίх | Ļ | | \parallel | Î | | | | x | 60 | 10 | 50 | 15 | 15 | 30 | 108.5-108.6 | 21.0-22.5 | 70.0 | | | | |
| 5/31/2010 | 1415-1600 | 2&0 4&1 | | x | | X | x x | | х | | | X | х | 30 75 | 10 | 50 | 14 | 14 | 20 | 108.3-108.6 | 17.8-20.6 | 78.8 | | | | |
| 6/1/2010 | 0800-1230 1230-1400 | 2&0 6&3 | | x x | СХ | | x x | | х | х | х | x | х | 100 45 | 10 | 50 | 14 | 14 | 30 | 107.3-108.0 107.6-108.0 | 17.8 17.8-23.0 | 79.3 | | | | |
| 6/2/2010 | 0800-1215 1215-1410 | 280 482 | | x | | | x x | | | x | | x | х | 100 | 10 | 50 | 14 | 14 | 20 | 106.8-107.5 107.5-108.0 | 18.0-19.0 19.0-23.0 | 80.6 | | | | |
| 6/3/2010 | 1410-1615 0800-1200 | 7&3 2&0 | X | X X | | Х | | | | X | X | x | х | 45 100 | 10 | 50 | 14 | 14 14 | 30 20 | 107.6 106.4-106.8 | 23 18.0-22.5 | 80.6 | | | | |
| 6/4/2010 | 1200-1600 0800-1420 | 4&3 2&0 | | - | х | | x x | + | х | x | X | x | х | 55 100 | 10 | 45 | 14 | 14 | 30 25 | 106.8-107.3 106.6-108.1 | 22.5 17.5-18.0 | 81.5 | | | | |
| 6/5/2010 | 1420-1600 0800-1300 | 48.2 28.0 | | + | х | x | x | Н | х | х | \vdash | x | х | 65 100 | 10 | 25 50 | 17 | 17 | 30 25 | 107.9-108.1 | 18.0-22.0 18.5-20.5 | 83.3 | | | | |
| | 1300-1400 1400-1600 | 5&1 6&2 | x | 2 | | | x x | | | x x | F | + | x | 75 60 | 10 | 50 50 | 14 | 14 14 | 30 30 | 108.2-108.3 108.0-108.3 | 20.5-22.0 22.0-23.5 | | | | | |
| 6/6/2010 | 0730-1200 1200-1500 | 280 481 | | х | | x | + | | x | | | х | x | 100 | 10 | 50 | 14 | 14 | 20 | 107.0-107.6 | 17.2 17.2-20.9 | 83.3 | | | | |
| | | | Н | + | 1 | F | ĦÊ | Ħ | | | | | Ė | | | | | | | | | | | | | |
| | | | H | + | | 1 | | \sharp | | | | | | | 10 | | | | | | | | | | | |
| 4/1/2009 | 1000-1105 | 6 & 2 | H | x x | x x | х | x x | | x | х | | x | х | 55 92 | | 50 | 13 | 13 | 25 | 105.5 | 21.7 | 48.7 | | | | |
| 4/2/2009 | 1000-1100 | 2 & 0 6 & 2 | | x x | (X | х | x x | | х | х | | | х | 55 | 3 | 50 | 13 | 13 | 30 25 | 105.5-106.0 | 21.5 | 50.9 | | | | |
| 4/3/2009 | 1100-1600 1015-1105 | 2 & 0 7 & 2 | х | X X | x | | x x | | \pm | х х | | X | х | 95 45 | 10 | 50 | 13 | 13 | 25 25 | 106.1-107.4 | 17.5-18.0 | 51.8 | | | | |
| | 1105-1205 1205-1620 | 4 & 0 2 & 0 | | x | | | X X | | | | | x | | 77 97 | 6 5 | | 13 | 13 13 | 25 20 | 105.7 105.7-107.1 | 22 17.5 | | | | | |
| 4/6/2009 4/8/2009 | 900-1500 800-900 | 7 & 4 6 & 3 | | X X | (X | | x x | | Х | x x | X | | x | 40 50 | | 50 | 13 | 13 13 | 15 25 | 106.3-107.0 104.8 | 23.5 22.8 | 55.9 52.7 | | | | |
| 4/10/2009 | 900-1500 810-1500 | 7 & 4 7 & 4 | | X X | | | x x | | | x x | X | | X | 35-50 45 | | 50/70 | 13 | 13 13 | 25 35/15 | 104.8-105.3 107.9-108.3 | 23.0-23.5 23.0-23.4 | 50.9 | Crowder screen | hoist upper limit failed | | |
| 4/13/2009 4/15/2009 | 900-1115 830-1115 | 7 & 4 7 & 4 | X | X X | | | x x | | | x x | x | | x | 38 40 | | 50 70 | 13 | 13 13 | 25 25 | 106.7-107.1 106.2-106.5 | 23.5 23.5 | 50.0 50.0 | Crowder screen | hoist lower limit failed. | | |
| | 1115-1215 1215-1615 | 4 & 0 2 & 0 | X | + | - | X | x x | | | | | x | | 80 98 | 5 | | 13 | 13 | 25 15 | 106.3-106.4 106.6-107.5 | 19.5 17.5 | | | | | |
| 4/17/2009 | 1615-1700 900-1200 | 4 & 0 7 & 4 | х | X X | | X | x x | | х | хх | х | х | x | 85 40 | 3 | 50 | 13 | 13 | 20 35 | 108.0-108.2 106.6-106.8 | 19 23 | 50.9 | | | | |
| 4/19/2009 | 1200-1710 830-1610 | 4 & 0 2 & 0 | | х | | × | x x | | | | | x | H | 82 92 | 10 | | 13 | 13 | 25 20 | 107.0-108.3 | 19 18 | 53.3 | | | | |
| 4/20/2009 | 1610-1700 830-1100 | 7 & 0 7 & 4 | | x x | | х | хх | | x | x x | х | x | х | 65 | 10 | 50 | 13 | 13 | 25 | 108.4 | 20.5 | 54.5 | | | | |
| 4/21/2009 | 1100-1715 | 6&0 7&4 | х | | (X | х | x x | | | x x | | х | × | 70 | 10 | 35 | 13 | 13 | 25 25 | 106.8-107.9 | 20 23.5 | 55.0 | | | | |
| 4/21/2009 | 1100-1200 | 7&0 3&0 | | x x | | | x x | | _ | î lî | Ê | x | Ê | 60 | 15 | 35 | 13 | 13 | 25 25 25 | 106.0-106.9 | 19.3 | 30.0 | | | | |
| 4/22/2009 | 830-1215 | 7 & 4 | | х | | х | хх | | | х х | х | Î | х | 35 | 10 | 52 | 13 | 13 | 25 | 106.5-106.9 | 23.5 | 56.0 | | | | |
| 4/23/2009 | 1215-1700 800-1100 | 4 & 1 7 & 4 | х | хх | (X | х | x x | | | х х | х | | X | 70 35 | | 52 62 | 13 | 13 | 25 25 | 106.6-108.1 106.5-106.8 | 20.9-21.0 | 55.8 | | | | |
| | 1100-1200 1200-1600 | 4 & 2 3 & 0 | | \pm | х | Х | x x | | | х | | x | | 55 80 | 15 8 | | 13 | 13 13 | 36 25 | 106.3 107.1-107.8 | 20.1 19 | | | | | |
| | 1600-1700 1700-1800 | 4 & 2 7 & 4 | | х | | х | x x | | х | x x | х | x | х | 55 35 | 15 | 62 | 13 | 13 13 | 36 25 | 107.5 | 23.5 | | | | | |
| 4/24/2009 | 800-1100 1100-1700 | 7 & 4 4 & 0 | X | X X | СХ | х | x x | | X | X X | X | х | х | 35 75 | 8 | 62 | 13 | 13 13 | 25 30 | 105.4-106.0 105.8-107.6 | 23.5 19.5-19.9 | 57.2 | | | | |
| 4/25/2009 | 830-1300 1300-1400 | 2 & 0 7 & 1 | х | x x | | | x x | | x | | | x | | 96 | 7 | | 13 | 13 | 18 | 106.4-108.5 108.5 | 18 21 | 59.2 | | | | |
| 4/26/2009 | 1400-1600 815-1330 | 7 & 4 2 & 0 | X | X X | СХ | X | x x | | X | X X | Х | x | х | 35 92/100 | 5 | 57 | 13 | 13 13 | 31 20 | 107.6-108.4 106.8-108.1 | 23.5 18 | 58.1 | | | | |
| | 1330-1410 1410-1650 | 4 & 1 7 & 4 | х | x x | | X | x x | | x | хх | х | ++ | x | 74 36 | | 50 65 | 13 | 13 | 25 45 | 108 | 20 | | | | | |
| 4/27/2009 | 830-1115 1115-1225 | 2 & 0 4 & 1 | |) | c | X | x x | | | Ŧ | x | х | х | 90 | 8 3 | 60 | 13 | 13 13 | 20 25 | 107.3-107.8 108.1-108.2 | 18.2 20.8 | 60.8 | | | | |
| 4/28/2009 | 1225-1700 0815-1430 | 7 & 4 4 & 1 | X | x x | | | x x | | х | x x | | | x | | | 60 50 | 13 13 | 13 13 | 25 35 | 107.1-108.0 107.2-107.8 | 23.5 20.5 | 62.6 | | | | |
| 4/29/2009 | 1430-1800 0830-1210 | 7 & 4 2 & 0 | х | x x | | х | x x | | х | х х | | x | х | 38 86 | 15 | 65 | 13 13 | 13 13 | 50 25 | 107.3-107.7 107.3-108.6 | 23 18 | 64.4 | | | | |
| | 1210-1420 1420-1900 | 2 & 2 | H | x | | х | x | \blacksquare | x | x x x | х | + | x | 70 | 5 | 40 52 | 13 | 13 | 30 | 108.7 107.5-108.6 | 21 23 | | | | | |
| 4/30/2009 | 800-1130 1130-1730 | 2 & 3 2 & 0 | | \mp | x | F | x | | | х х | | x | х | 54 85 | 8 | 53 | 13 13 | 13 13 | 32 30 | 106.3-106.6 106.8-108.0 | 21.5 18 | 62.6 | | | | |
| | 1730-1800 1800-1900 | 2 & 2 | х |) | х | F | х | | | x x x | x | x | х | 70 | 15 | 41 | 13 | 13 | 30 40 | 108.2 | 19.5 | | | | | |
| 5/1/2009 | 900-925 925-1030 | 280 | Ŷ | # | X | | X | | | x | _ ^ | x | X | 92 | 5 | 50 | 13 | 13 | 15 25 | 107.5 | 17 19.5 | 64.4 | | | | |
| £/2/2000 | 925-1030 1030-1900 730-1315 | 3 & 4 | |) | (X | F | X | | | x x | х | | X | 52 88 | H . | 50 | 13 | 13 | 40 | 106.8-107.9 | 19.5 22 17 | 00 ^ | | | | |
| 5/2/2009 | 1315-1900 | 2 & 0 4 & 1 | | , | | x | x x | | | х | | x | х | 66 | 3 | 30 | 13 | 13 13 | 20 35 | 107.0-107.7 | 20.5 | 66.2 | | | | |
| 5/3/2009 | 730-1700 1700-1800 | 2 & 0 4 & 1 | | \pm | X | | x x | | | X | | 1 | X | 92 72 | 10 | 50 | 13 | 13 | 20 35 | 106.7-108.6 | 17.0-17.5 21.5 | 68.0 | | | | |
| 5/4/2009 | 1800-1900 800-1115 | 4 & 3 2 & 0 | | # | | х | | | | x x | | x | X | 90 | 10 | 50 | 13 | 13 | 35 20 | 108.7 | 21.5 | 67.7 | | | | |
| | 1115-1810 1810-1915 | 4 & 2 2 & 0 | | , | + | X | X | | | x x | | x | х | 55 90 | 10 | 50 | 13 | 13 | 30 20 | 107.6-107.8 | 21.3-22.0 | | | | | |
| 5/5/2009 | 800-1000 1000-1100 | 2 & 0 4 & 1 | | , | | | x x | | | х | | x | х | 91 75 | 10 | 44 | 13 | 13 | 20 35 | 108.0-108.2 108.7 | 18 18.5 | 66.2 | | | | |
| 5/6/2009 | 1100-1700 700-915 | 7 & 4 2 & 0 | Х | X X | | х | X | | x | x x | х | x | х | 35 92 | 5 | 43 | 13 | 13 | 35 20 | 107.1-108.7 107.0-107.3 | 23.5 17 | 64.4 | | | | |
| | 915-1015 1015-1730 | 4 & 1 7 & 4 | x | x x | | | x x | | x | x x x | х | | X | 36 | 3 | 30 50 | 13 13 | 13 13 | 35 45 | 107.3 105.7-107.2 | 20.5 | | | | | |
| 5/7/2009 | 700-800 800-900 | 2 & 0 4 & 1 | | , | c . | X | x x | | x | | | x | | 92 75 | 10 15 | <u> </u> | 13 13 | 13 13 | 20 30 | 107 107.1 | 16 20 | 64.4 | | | | |
| 5/8/2009 | 900-1630 700-815 | 7 & 4 4 & 1 | х | x x | | х | x x | | х | x x | | ++ | x | 33 72 | 1 | 71 50 | 13 | 13 13 | 35 35 | 107.5-107.9 107.2 | 23.5-24.0 | 64.1 | Maintenance ca | ame out to fix viewing room ga | ite | |
| 5/9/2009 | 815-1630 715-800 | 7 & 4 | х | x x | | | x x | | х | x x | | x | X | 40 | 10 | 50 | 13 | 13 | 35 | 106.8-107.1 | 24.2-23.5 | 64.3 | | | | |
| | 800-1630 700-845 | 4 & 1 2 & 0 | П | # | X | х | хх | | | x | | x | х | 68 92 | 1 5 | 75 | 13 | 13 | 35 | 106.9-108.8 | 21 | 64.4 | | | | |
| 5/10/2009 | 845-1130 | 4 & 1 | | \Rightarrow | X | | x x | | - | X | | 1 | X | 66 | 3 | 30 | 13 | 13 | 20 35 | 108.2 | 20.5 | 64.4 | | | | |
| 5/11/2009 | 1130-1715 730-1615 | 4 & 4 | | \pm | X | Х | x x | | | x x | Х | | X | 50 | | 45 30 | 13 | 13 | 45 30 | 108.6-109.1 107.6-108.5 | 22 23.0-23.2 | 63.5 | | | | |
| 5/12/2009 | 730-800 800-1645 | 5 & 1 5 & 4 | | 2 | (X | х | x x | | | x x x | | | X | 45 | $\parallel =$ | 50 75 | 13 | 13 13 | 35 35 | 108.7 107.8-108.7 | 22.5 | 63.5 | | | | |
| 5/13/2009 | 730-800 800-1730 | 4 & 1 4 & 3 | | \pm | | х | x x | | | X X | х | | X | 72 50 | Ш_ | 50 45 | 13 13 | 13 13 | 35 45 | 108.3 107.6-108.4 | 21 22.5-22.6 | 65.3 | | | | |
| 5/14/2009 | 730-810 810-1900 | 4 & 1 4 & 3 | H | _F | x | X | x x | H | | x x x | | $\pm \mp$ | X | 68 50 | oxdot | 75 50 | 13 13 | 13 13 | 35 35 | 108.5 108.2-108.6 | 21 22.4-22.5 | 64.4 | | | | |
| | | | | | | . ^ | ^ | | | _ ^ | | | , ., | | | | | | | 100.0 | | | | | | |

| Gate | and Diffuser s | setting are in per | rcent | open a | nd fore | ebay | and ta | ilrace | elevati | ons ar | re in fee | et abov | e mean s | ea leve | el and are tak | en inside (| our down: | stream | n chann | el. Water t | temperature v | was taken in t | he morning fro | om the surfa | ce of the trough. |
|------------------------|------------------------|--------------------------|--------|----------|----------|--------|---------|--------|-------------|---------|-----------|-----------|--------------|---------|----------------|---------------|------------|--------|----------|-------------|----------------|----------------------------|------------------------|----------------|--|
| | T T | Generation | T | | Small U | | | | T | | Units | | Weir G | | Gate | | er Setting | | | Setting | Crowder | Forebay | Tailrace | Water | |
| Date 5/15/2009 | Time 730-815 | (small & large) 4 & 1 | 1 | | | 5 | 6 X | 7 X | 8 | 9 | 10 X | 11 | A B | | Setting 68 | A 2 | B 45 | ш | A 13 | B 13 | Area Gate | Elevation 109.1 | Elevation 22 | Temp F 65.2 | |
| 5/16/2009 | 815-1700 700-730 | 4 & 3 2 & 0 | x | | х | | х | | x | х | х | | x | х | 55 92 | 5 10 | 70 | | 13 | 13 | 40 20 | 108.4-108.9 109 | 23 | 66.2 | |
| | 730-1330 1330-1830 | 4 & 1 4 & 2 | x | | | х | x | x | | x | х | | | x | 68/70 58 | 2 5 | 75 75 | | 13 | 13 | 30 30 | 108.8-109.0 109.0-109.1 | 20.8 21.8 | | |
| 5/17/2009 | 700-1300 1300-1620 | 3 & 0 4 & 2 | | | | х | | x | H | х | | - | х | х | 84 65 | 10 | 50 | | 13 | 13 | 25 35 | 108.3-108.9 | 18.9-19.5 21.5-22.0 | 66.4 | |
| 5/18/2009 | 1620-1800 730-900 | 7 & 4 4 & 0 | х | x : | | х | x | | х | | | х | x | х | 35 90 | 10 | 75 | | 13 | 13 | 35 20 | 107.6-108.3 107.9 | 23.5 | 66.2 | Hopper door will not open fully |
| G 1012003 | 900-1000 | 4 & 1 7 & 4 | v | х : | х | х | X | х | x | x | x | х | x | х | 75 35 | 15 | 45 | | 13 | 13 | 20 | 108.2-108.6 | 18 23.5 | 00.2 | ripper doc with not open rany |
| 5/19/2009 | 1515-1700 730-815 | 4&1 | Î | | ì î | | х | | Ļ | ^ | _ | x | | x | 45 90 | 3 12 | 45 | | 13 | 13 | 30 20 | 107.7 | 22.4 | 66.2 | |
| 5/19/2009 | 815-1015 1015-1600 | 4&1 7&4 | _ | x : | x | х | х | х | x | x | х | x | 11 | x | 70 | 3 3 | 45 45 | | 13 | 13 | 30 | 107.7 | 18 23.4-23.5 | 00.2 | |
| 5/20/2009 | 800-1600 | 7 & 4 | | X : | | х | x | х | X | | | X | | X | 35 | | 75 | | 13 | 13 | 40 | 106.5-106.8 | 23.5-23.8 | 66.2 | |
| 5/21/2009 | 730- 1300-1530 | 2 & 0 7 & 4 | х | х : | K X | | х | X | х | х | х | х | × | х | 92 35 | 10 | 75 | | 13 | 13 | 20 40 | 106.6 107.5-107.6 | 22 23.5 | 66.2 | Tried to flush trash with maintenance, but filled the hopper (1/2) with debris. |
| 5/22/2009 | 700-800 800-900 | 2 & 0 4 & 1 | | | х | | х | | х | | | | X | | 92 75 | 10 | | | 13 | 13 | 20 30 | 107.6 107.6 | 17 21.5 | 68.0 | |
| | 900-1605 1605-1630 | 7 & 4 6 & 0 | х | | K X | х | X | x | X | X | X | х | | X | 35 65 | 5 | 75 | | 13 | 13 | 30 25 | 107.3 106.3-107.3 | 22 23.0-23.5 | | |
| 5/23/2009 | 700-1100 1100-1600 | 2 & 0 7 & 1 | х | х : | K X | X | | x | x | | | | X | х | 92 58 | 10 | 75 | | 13 | 13 | 20 35 | 108.5-108.7 108.5-109.2 | 17.5-17.7 21.8-22.0 | 68.0 | |
| 5/24/2009 | 730-1100 1100-1600 | 2 & 0 5 & 2 | | 1 | ĸ x | | х | X | х | х | | | X | х | 92 | 10 | 60 | | 13 | 13 | 20 40 | 107.6-108.4 108.2-108.4 | 18 22 | 69.9 | |
| 5/25/2009 | 730-1205 1205-1600 | 2 & 0 4 & 2 | | | х | X | | x | | х | х | | x | х | 92 55 | 10 | 50 | | 13 | 13 | 20 30 | 107.6-108.4 108.4-108.5 | 17.5 22 | 71.6 | |
| 5/26/2009 | 730-1000 1000-1600 | 2 & 0 4 & 2 | | | х | X | х | X | | х | х | | x | х | 92 55 | 10 | 50 | | 13 | 13 | 20 30 | 107.5-108.2 108.0-108.4 | 17 22 | 73.4 | |
| 5/27/2009 | 715-1005 1005-1600 | 2 & 0 4 & 1 | | H | X | | x | x | \perp | х | | _ | х | х | 92 72 | 10 | 60 | | 13 13 | 13 | 20 40 | 107.7 107.5-107.8 | 17.8 20.8 | 72.5 | |
| 5/28/2009 | 700-1000 1000-1615 | 2 & 0 4 & 2 | F | | x | | x | х | | х | х | - | x | х | 92 53 | 10 | 60 | | 13 13 | 13 | 20 35 | 107.9-108.2 108.1-108.6 | 17.7-17.9 22.0-22.5 | 72.5 | |
| 5/29/2009 | 730-1000 1000-1120 | 2 & 0 4 & 0 | F | | x | | x | x | | | | \exists | x | H | 85 85 | 10 | | | 13 13 | 13 | 25 25 | 107.5-107.6 107.9 | 18.0-18.1 18 | 68.6 | Downstream 'C' gate tripped while bring up. Maintance came out to fix but could not pin point problem. "see report" |
| 5/30/2009 | 1120-1600 730-910 | 5 & 4 4 & 1 | | | X | х | | | х | x | х | х | Æ | x | 38 68 | H | 60 50 | | 13 13 | 13 | 35 35 | 107.4-107.8 108.1-108.3 | 23.2-23.5 20.5 | 73.4 | Flushed trash, now debris under hopper, hopper dividing screen off bottom but cables |
| 5/31/2009 | 910-1600 645-830 | 7 & 4 2 & 0 | x | х : | K X | | х | X | х | X | х | х | x | X | 36 95 | 5 | 50 | | 13 | 13 | 45 20 | 107.5-108.3 107.8-108.3 | 23 | 73.6 | |
| | 830-1005 1005-1600 | 4 & 0 7 & 4 | х | x : | X | х | x | x | × | х | х | х | x | х | 85 | 10 | 60 | | 13 | 13 | 30 45 | 108.7 | 18.5 | | |
| 6/1/2009 | 715-1015 1015-1600 | 4 & 0 7 & 4 | | x | х | х | X | x | × | | x | x | х | X | 92 | 10 | 35 | | 13 | 13 | 20 | 107.6 | 17 23.5 | 68.2 | *C* gate tripped while raising. Ops assisted. *see report* |
| 6/2/2009 | 715-1005 1005-1130 | 3&0 4&1 | - | - 2 | | х | | X | x | | _ | | х | X | 91 | 10 | 43 | | 13 | 13 | 20 | 107.3-107.9 | 17 23 | 70.9 | |
| 6/3/2009 | 1130-1600 | 7&4 | х | X X | | | x | x | x | х | х | х | x | x | 30 | 7 6 | 43 | | 13 | 13 | 33 | 107.5-107.8 | 23.5 | 69.9 | Hopper will not rise, replaced upper limit switch. |
| 6/3/2009 | 1000-1100 | 4&1 7&2 | | x : | K X | | | x | x | | | | | x | 65 | 6 | 50 | | 13 | 13 | 40 | 106.3 | 21.5 | 69.9 | While lowering "C" gate, guage moving, wheels turning, but gate not. Bent west stem. |
| 6/4/2009 | 730-905 | 1 & 0 | X | х | K X | I | X | | X | Х | | | x | X | 98 | 8 | 50 | | 13 | 13 | 20 | 108.0-108.2 | 23 16.5 | 70.2 | Out of service. "see report". Tripped "A" gate. |
| | 905-930 930-1115 | 4 & 1 4 & 1 | | X I | K X | | | x | x | | | | X | х | 70 #70 | 15 | 60 | | 13 | 13 | 30 | 108.2-108.4 108.2 | 20.5 | | |
| 6/5/2009 | 1115-1600 730-1110 | 6 & 3 1 & 0 | X | X | | | | х | × | Х | х | | х | X | #70 96 | 20 8 | 100 | | 13 | 13 | 55 20 | 107.7-108.2 106.8-107.4 | 22 17.5 | 68.9 | |
| | 1110-1500 | 6 & 2 | | X : | | | | х | X | X | | | | Х | #70 | 10 | 50 | | 13 | 13 | 30 | 107.3-108.0 | 20.5 | | |
| #70 is where the | downstream "C" | gate is sitting after | the we | est stem | bent. Wa | as not | able to | move | it after 6/ | 3/2009, | when it v | vas take | n out of sen | rice. | | | | | | | | | | | |
| 4/16/2008 | 1000-1130 | 7 & 4 | х | x : | | | | | х | х | х | х | | х | 35 | | 60 | | 13 | 13 | 46 | 106.9-107.5 | 23 | 57.8 | |
| | 1130-1315 1315-1715 | 4 & 0 4 & 0 | | | х | | X | X | | | | | x | X | 75 80 | 15 | 40 | | 13 | 13 | 46 40 | 108.1-108.2 108.2-108.8 | 21 | | |
| 4/17/2008 | 930-1100 1100-1530 | 7 & 4 4 & 0 | X | x : | | | | | X | X | х | X | x | X | 33 75 | 15 | 50 | | 13 | 13 | 45 45 | 106.8-107.2 107.2-108.1 | 23 21 | 57.6 | |
| 4/18/2008 | 1530-1720 915-1100 | 4 & 0 7 & 4 | х | _ | K X | | X | х | x | х | х | х | X | х | 76 30 | 15 | 60 | | 13 13 | 13 | 45 50 | 108.3-108.5 105.6-105.8 | 21 23 | 60.0 | Proxprobe failed at high point near trough, hopper will not rise. |
| 4/19/2008 | 1100-1715 900-1115 | 4 & 0 4 & 3 | | | K X | | x | | x | х | х | | х | х | 75 45 | 20 | 50 | | 13 13 | 13 | 45 45 | 105.7-107.2 105.8-106.1 | 20.5-21.0 | 59.4 | |
| | 1115-1210 1210-1810 | 4 & 0 2 & 0 | | | K X | | x | | - | | | \dashv | x | | 75 82 | 15 | - | | 13 | 13 | 45 45 | 106 106.4-107.8 | 20 19 | | |
| 4/20/2008 | 730-1415 1415-1650 | 2 & 0 4 & 1 | - | . | K X | | X | | | х | | | x | х | 88 70 | 15 | 45 | | 13 | 13 13 | 45 40 | 108.2-109.0 108.5-108.7 | 19 21 | 60 | |
| 4/21/2008 | 800-1500 1500-1615 | 4&3 2&0 | | | K X | | X | | х | х | х | | x | х | 54 88 | 16 | 50 | | 13 | 13 | 38 43 | 106.8-107.1 106.9 | 22.4-23.0 19.3 | 62.6 | During 2nd lift, hopper brakes slipped causing hopper to free fall Crowder stuck in forward position, day done. |
| 4/22/2008 4/23/2008 | 1025-1645 745-1545 | 4 & 3 4 & 3 | | | K X | | X | | X | x | X | | | x | 54 | | 84 | | 13 | 13 | 40 | 108.0-108.5 107.1-108.0 | 22.1-22.5 22.4-22.9 | 62.6 64.3 | Telemetry study done. Crowder screen hoist limit switch failed. |
| 4/24/2008 | 735-1000 1000-1115 | 4&3 4&0 | | _ | | | x | | | х | х | х | x | х | 40 75 | 15 | 91 | | 13 13 | 13 | 45 45 | 105.8-106.0 105.5-105.7 | 22.9 19.4-19.9 | 65.3 | |
| $\overline{}$ | 1115-1300 | 280 | F | | K X | X | x | 7 | | | | 7 | X | Н | 88 | 15 | | ш. | 13 | 13 | 45 45 | 106.3 | 18.1 | | |
| 4/25/2008 | 1405-1800 715-1130 | 7 & 4 4 & 0 | х | X 2 | K X | X | | | x | х | х | х | x | х | | 15 | 91 | | 13 | 13 | 45 45 | 106.3-106.9 | 23.6 | 65.3 | Telemetry study. |
| | 1130-1155 1155-1405 | 480 | - | 1 | K X | х | X | | - | x | х | х | Ħ | x | 75 75 45 | H | 70 | | 13 | 13 | 45 45 | 108.2 | 20 | | |
| 4/26/2008 | 1405-1600 750-1105 | 7 & 4 4 & 1 | х | х : | K X | х | X | х | х | | х | X | | X | 35 | | 55 | | 13 | 13 | 45 45 | 108.3 | 23.5 | 66.2 | |
| *20/2000 | 1105-1530 1530-1610 | 280 | | | | х | X | | 1 | X | | | x | x | 84 62 | 15 | 50 | | 13 | 13 | 45 45 45 | 107.3-108.7 | 18.5 | 30.2 | Slack in hopper cable and air leaking. |
| | NO FISHING W | AS DONE TODAY E | | JSE OF A | IR LINE | LEA | K AND S | | | OR AIR | | | | ING RE | PLACED BY DIV | | 50 | Ħ | | .5 | 3 | 100.1 | -1 | 65.3 66.6 | The state of the s |
| | SHIEVE BLOCK | AS DONE TODAY E | BUILT | AND NE | W AIR I | HOSE | S TO H | OPPER | DOOR. | | | | - PORNEL BI | | LAGED BY DI | ino. | | Ħ | 12 | 42 | | 104 0 105 - | 22 5 22 2 | | |
| 4/29/2008 | 745-1155 1155-1400 | 7 & 4 6 & 4 | Х | X 2 | K X | X | X | | X | Х | х | | | X | | H | HODDE- | | 13 | 13 | | 104.9-105.6 | 22.5-22.6 | 64.4 | |
| 4/30/2008 | 830-1600 | 6 & 4 | X | X 2 | K X | х | X | IO ST | Х | Х | х | х | ANCE HAD | х | 35 | MNUALLY. | 70 | | 13 | 13 | 38 | 106.1-107.0 | 23.0-23.6 | 62.6 | |
| 5/1/2008 | 0730-1130 1130-1530 | 6 & 4 | Х | X I | K X | х | | | x | | x | X | | X | 33 42 | | 50 | | 13 | 13 | 35 40 | 106.4-106.5 106.7-106.8 | 23.3-23.5 | 62.5 | |
| 5/2/2008 | 730-1115 1115-1415 | 7 & 4 4 & 1 | | | х | х | х | х | x | | | x | $\pm \pm$ | X | 70 | $\parallel =$ | 50 50 | | 13 13 | 13 | 40 40 | 106.3-106.8 106.5-107.2 | 23.3-23.5 20.9-21.0 | 60 | |
| 5/3/2008 | 1415-1530 730-1000 | 7 & 4 7 & 4 | x | X I | K X | X | X | x | x | | x | x | $\pm \pm$ | X | 35 38 | \coprod | 50 40 | | 13 13 | 13 13 | 40 40 | 107.7 105.0-105.9 | 21 23.2-23.3 | 60.7 | |
| | 1000-1115 1115-1630 | 4 & 1 2 & 0 | F | ЬF | | x | х | x x | \pm | х | | | x | х | 68 88 | 10 | 40 | | 13 13 | 13 | 40 38 | 105.2 105.6-107.5 | 18.7-20.4 17.0-17.6 | | |
| 5/4/2008 | 1630-1705 835-1210 | 4 & 1 2 & 0 | E | | x | x | | х | | E | | \exists | x | Н | 90 | 4 | | | 13 13 | 13 | 38 25 | 107.4 108.0-108.7 | 23.5 17 | 61.7 | Telemetry study. |
| 5/5/2008 | 1210-1610 830-1615 | 4 & 2 7 & 4 | x | х : | | | x | | | x | | х | + | x | 55 32 | \mathbf{H} | 50 52 | | 13 13 | 13 | 40 38 | 108.9-109.1 107.3-107.5 | 22 23.4-23.6 | 60.8 | Telemetry study. |
| 5/6/2008 | 730-1545 730-810 | 7 & 4 4 & 1 | | x : | K X | х | x | х | х | | x | х | H | X | 32 | H | 50 | | 13 | 13 | 38 | 106.3-106.9 107.1 | 23.0-23.2 | 61.7 | Crowder starting to stick on return trip |
| 5/8/2008 | 810-1550 700-810 | 7 & 4 4 & 0 | x | х : | K X | х | X | х | x | х | х | х | x | Х | 35 | 5 | 45 | | 13 | 13 | 38 | 105.7-106.7 | 23.4-23.6 | 66.2 | Crowder roller wheels are coming loose. |
| | 810-1020 1020-1720 | 4 & 4 7 & 4 | v | x | х | x | x | х | x | x | x | x | 11 | x | 43 | H . | 50 | | 13 | 13 | 38 | 106.8-106.9 | 22.9-23.0 | W.2 | Telemetry study. |
| 500 | 1720-1905 | 4 & 3 | * | | х | х | Х | х | | х | х | ^ | | х | 48 | | 50 | | 13 | 13 | 38 | 105.5 | 22.4 | 0 | |
| 5/9/2008 | 805-1100 1100-1630 | 4 & 4 | | _ | K X | х | X | | х | X | | х | | X | 51 42 | | 50 45 | | 13 | 13 | 40 35 | 106.9-107.0 | 21.5 | 66.4 | Telemetry study. |
| 5/10/2008 | 800-820 820-1325 | 4 & 1 4 & 3 | | \vdash | X | х | x | х | | X | х | | | X | 45 38 | | 40 | | 13 | 13 | 38 38 | 106.1 105.8-106.0 | 22.4 22.6-23.0 | 64.4 | *C* gate breaker tripped Diffuser *A* boil is really boiling |
| 5/11/2008 | 1325-1810 700-1310 | 4 & 0 2 & 0 | | | х | х | | х | | | | | x | | 76 90 | 4 | | | 13 13 | 13 13 | 32 20 | 106.0-107.0 107.1-109.0 | 19.8 17.5 | 64.3 | |
| | 1310-1555 1555-1620 | 4 & 1 4 & 2 | E | \Box | | х | x | х | \perp | X | | | $\pm \pm 1$ | X | 71 50 | Ш= | 50 50 | | 13 13 | 13 13 | 40 40 | 109.0-109.1 109.3 | 21 22 | | |
| 5/12/2008 | 730-1507 1507-1540 | 7 & 4 4 & 4 | х | х : | K X | x | x | х | x | х | | x | Æ | x | | H | 50 50 | | 13 13 | 13 | 40 40 | 106.5-106.7 106.5 | 23.5 22.5 | 64.4 | |
| | | | - | | . ^ | , ^ | | • | | | | | | | | | | | | | | | | | |

| May | Gate | and Diffuser s | setting are in per | cent open an | nd forebay and tailrace | elevations are in feet above | e mean sea | level ar | nd are take | n inside ou | ur downs | tream chan | nel. Water | temperature | was taken in the morning for | om the surfa | ice of the trough. |
|--|------------|----------------|--------------------|--------------------|-------------------------|----------------------------------|------------|----------|-------------|---|----------|------------|------------|-------------|------------------------------|--------------|---|
| Mathematical Content | | T | | , | | , | , | | | , | | | | ., | , , | , | |
| See Legen Le | | | (small & large) | 1 2 3 | 4 5 6 7 | 8 9 10 11 | A B | С | Setting | | В | А | В | Area Gate | Elevation Elevation | Temp F | |
| | 5/14/2008 | 730-1515 | 7 & 4 | x x x | x x x x | x x x x | | х | 36 | | 50 | 13 | 13 | 35 | 105.8-106.1 23.4-23.6 | 60.8 | |
| | | | | | x x x x x | x x x x x x x | | | | <u> </u> | | | | | | | |
| Mathematical Content of the conten | | | | | | | | х | | | | | | | | | Tried to fish both gates. |
| Part | 5/17/2008 | 750-835 | 4 & 1 | | x x x x | x | | | 68 | | 48 | 13 | 13 | 40 | 108.5 20.6 | 62.3 | |
| Mathematical Content of the conten | 5/18/2008 | | | X X X | | x x x x | | X | | 10 | 54 | | | | | 62.8 | |
| Mathematical Control | | | | | | x x x x | x | х | | 12 | 50 | | | | | | |
| | 5/19/2008 | | | | | | | | | | | 13 | 13 | | 106.8-107.0 23.4 | 61 | |
| See 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | | 1200-1515 | 7 & 4 | x x x | x x x x | x x x x | | х | 48 | | 45 | 13 | 13 | 38 | 107.3-107.9 23.2 | | |
| Mathematical Content of the conten | | 740-1150 | 7 & 4 | x x x | x x x x | x x x x | | х | | | 50 | 13 | 13 | 50 | 107.3-107.8 23.6 | | Media day, Channel 11 news |
| | 5/22/2008 | | | | | | | | | 5 | | | | | | 59 | |
| | | | 7 & 4 | x x x | x x x x | x x x x | | х | 30 | | 50 | 13 | 13 | 40 | 106.8-107.6 23.9 | | Air line to hopper door came detached , maintenance fix problem |
| | | 1110-1530 | 4 & 3 | 1 1 1 | x x x x | x x x | | х | 52 | | 50 | 13 | 13 | 55 | 106.6-107.6 22 | | |
| | 5/24/2008 | | | | | | | | | | | | | | | 59 | |
| | | | | | | | | | | - | | | | | | - | |
| Seet 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | | | | | | | | | | | | | | | | | |
| Mathematical Content of the conten | 5/25/2008 | 700-1025 | 2 & 0 | | x x | | х | | 92 | 15 | | 13 | 13 | 25 | 107.6-108.0 17 | 60 | |
| Mathematical Content of the conten | | | | | | | | | | | | | | | | | |
| | | | | | x x x x | | x | + | | | | | _ | | 107.4-108.7 19 | + | |
| See Legenties and the legentie | | 900-1120 | 4 & 1 | y | | ¥ ¥ V U | | | 72 | | | 13 | 13 | 50 | 108.4 20.5 | | |
| | 5/28/2008 | 730-915 | 0 & 1 | | | x | | x | 94 | | 50 | 13 | 13 | 38 | 107.4-107.6 19.4-19.6 | 64.4 | |
| | | | | x x | x x x x | | | | | _ | | | | | | | |
| Mathematical Content of the conten | | | | | x x x x | | | х | | - | | 13 | | | | | |
| Mathematical Content | 5/29/2008 | 730-1005 | 0 & 1 | | | x | | x | 94 | 1 | 40 | 13 | 13 | 35 | 106.9-107.4 17 | 68 | |
| 5000 10 | | 1120-1415 | 5 & 3 | | x x x x | x x x | | х | 40 | | 40 | 13 | 13 | 50 | 107.9-108.3 23 | | maintenance came out to tix broken cable on air line schieve block. |
| Mathematical Registration | 5/30/2008 | | | x x x | x x x x | | | | | +- | | | | | | 68.9 | Maintenance came out to replace guide cable to air line schieve block. |
| See 1. 1 | | 930-1210 | 4 & 3 | x v | | x x x | | х | 50 | | 45 | 13 | 13 | 45 | 107.5-108.0 22 | | |
| See 1. 1 | 5/31/2008 | 715-1050 | 2 & 0 | | x x | | х | | 92 | | 50 | 13 | 13 | 25 | 107.8-108.3 16.9 | 70.4 | relementy study. |
| | | | | | | х х | | x | | 15 | | | | | | | |
| | 6/1/2008 | | | | | x x x x | | x | | 10 | 43 | | | | | 71.6 | |
| | | 1230-1430 | 1 & 0 | | x | | x | | 99 | 10 | | 13 | 13 | 30 | 108.3-108.4 16.5 | | |
| March Marc | | 1500-1600 | 4 & 1 | | x x x x | | х | | 70 | 10 | | 13 | 13 | 30 | 108.6 20.2 | | |
| Mart | 6/2/2008 | | | | | | | | | | | | | | | 73.4 | |
| Mathematical Control of the contro | 6/3/2008 | | | | | x x x x | × | х | | 8 | 45 | | | | | 74.8 | |
| Minife column Minife colum | | 1115-1255 | 3 & 0 | | x x x | | х | | 88 | 8 | | 13 | 13 | 30 | 107.5 16.9 | | |
| March Marc | | 1400-1530 | 4 & 4 | | x x x | | | х | 45 | | 45 | 13 | 13 | 45 | 108.2 23 | | |
| | 6/4/2008 | | | | | | | | | | | | | | | 75.4 | Tripped "A" diffuser breaker |
| Mathematical Content of the conten | | | | | x x x x | x x x x | x | × | | 10 | 40 | | | | | | |
| 1 | 6/5/2008 | 730-1110 | 1 & 0 | | x | | | | 96 | 8 | | 13 | 13 | 20 | 108.0-108.5 16.5 | 76.1 | |
| Mathematical Continue | | 1230-1530 | 4 & 4 | | | | | х | | | 40 | | | 40 | 108.5 22.7-23.0 | | Debris under crowder screen hoist, cable went slack. |
| Martin | 6/6/2008 | | | fter that hopper v | | s done today and season is over. | x | | 98 | 8 | | 13 | 13 | 20 | 107.8 16.5 | 76 | |
| 98.00 | | | | | | | | | | | | | | | | | |
| 9.000 | | | | | | | | | | | | | | | | | 2 Spillgates open |
| Martin M | | 1250-1530 | 7 & 4* | x x x | x x x x | x x x x | | х | 38 | | 45 | 13 | 13 | 35 | 108.5-108.6 23.5-23.7 | | 1 Spillgate open |
| Martin M | | | | | V V V V | v v v v | | | | | | | | | | | Oil leaking from crowder screen hoist |
| 14000 1400 | | | | | x x x x | x x x x | | | | | | | | | | | |
| Marchan Marc | | 1140-1300 | 7 & 3 | x x x | x x x x | x x x | | х | 40 | | 45 | 13 | 13 | 45 | 107 22.5 | | |
| 1996-19 1996 | 4/29/2007 | 930-1200 | 6 & 2 | x x | x x x x | X X | | х | 55 | | 45 | 13 | 13 | 40 | 106.6-107.1 21 | 58.1 | |
| | \vdash | | | | | + | | x | | 15 | 45 | | | | | | Hopper dropped when it was at the dump position, had to slow rise, this time it stayed Crowder screen hoist would not stop when it was being lowered. (debris under gate). |
| 100-100 | | 715-1610 | 7 & 4 | x x x | x x x x | | | | 35 | - | | 13 | 13 | 41 | 106.3-107.2 23.0-23.4 | | |
| 155-700 74-6 | | 1100-1410 | 4 & 2 | | x x x x | x x | | х | 55 | 1 | 45 | 13 | 13 | 40 | 107.7-108.7 21.9-22.2 | | |
| | | 1525-1720 | 7 & 4* | x x x | x x x x | x x x x | | х | 25 | | 45 | 13 | 13 | 40 | 109 23.0-24.5 | | I Spillgate open |
| Marchan Marc | 5/2/2007 | | | x | x x x | x x | | | | | | | 13 | | | 60.5 | |
| 1 | 5/3/2007 | 1620-1815 | 7 & 4 | x x x | x x x x | x x x x | | х | 32 | | 45 | 13 | 13 | 40 | 108.2-108.3 22.5 | 62.6 | |
| March Marc | | 1100-1605 | 4 & 0 | x | x x x | | х | | 70 | 15 | | 13 | 13 | 40 | 106.0-107.5 20 | 32.0 | |
| 1815-1400 | 5/4/2007 | 735-955 | 7 & 4 | | x x x x | | | | 36 | | | 13 | 13 | 40 | 106.1 23 | 63 | |
| May - May | | | | | x x x x | | | х | | 15 | 45 | | | | | | |
| 1 | | 1400-1600 | | | x x x x | | | | | $\overline{}$ | | | | | | | |
| March Marc | EIEIOOOT | 1700-1715 | 7 & 4 | | x x x x | x x x x | | х | 36 | 1 | 45 | 13 | 13 | 40 | 108.7 23 | 611 | Hopper wouldn't stop when returning to position. It is not on bottom and the cables are |
| 56000 72-0405 48-3 72 73 74 75 75 75 75 75 75 75 | ur0/2007 | 1200-1545 | 4 & 2 | | x x x x | x x | | х | 58 | | 45 | 13 | 13 | 40 | 107.1-107.5 22 | 64.4 | response of hipper and causes using made in morning. |
| March Marc | 5/6/2007 | | | | | | | | | | | | | | | 63.5 | |
| March Marc | | 1045-1245 | 4 & 3 | | x x x x | x x x | | х | 44 | | 45 | 13 | 13 | 40 | 107.3-107.4 22 | | |
| 115-1400 | | 1635-1815 | 4 & 4 | | x x x x | x x x x | | х | 40 | 1 | 35 | 13 | 13 | 50 | 107.9-108.1 22.5 | | |
| March Marc | 5/7/2007 | 1115-1620 | 4 & 1 | x | x x x | X | | х | 68 | | 24 | 13 | 13 | 40 | 106.5-108.6 21.5 | 64.4 | |
| March Marc | 5/8/2007 | | | | x x x x | | | | | | | | | | | 65 | |
| 69/2007 736-1110 48.3 X X X X X X X X X | | 800-1100 | 4 & 3 | х | x x x | | | | 45 | 40 | | 13 | 13 | 40 | 106.6-106.8 22 | | |
| 1 1 1 1 2 3 3 4 4 5 4 5 4 5 4 5 5 | | 1715-1800 | 4 & 3 | х | x x x | | | | 35 | 10 | | 13 | 13 | 40 | 107.5 19.2 | | |
| 162-1420 | 5/9/2007 | 1110-1625 | 4 & 0 | | x x x x | | х | | 67 | 17 | | 13 | 13 | 42 | 106.5-108.4 20 | 66.2 | |
| 80-140 | 5/10/2007 | | | | | | | | | | | | 13 | | | RR. | |
| 1605-1830 | _ 10/2/0// | 800-1100 | 4 & 3 | | x x x | | | | 47 | ! | | 13 | 13 | 40 | 106.6-106.8 22.5 | ~ | |
| 5/11/2007 3/30-1/105 4-8/3 8 8 8 8 8 8 8 8 8 | | 1605-1830 | 4 & 3 | | x x x x | | | | 52 | 15 | | 13 | 13 | 40 | 108 22.5 | | |
| | 5/11/2007 | | | | | x x x | | х | | 15 | 35 | | | | | 68 | Air Leak coming from crowder doors |
| | | | | x x x | | x x x x | | х | | 1 | 40 | | | | | | |

| Gate a | and Diffuser s | setting are in per | cent o | pen a | nd for | eba | y and | tailrac | e elev | ations a | are in fe | et abo | ve mean se | a level | and are taker | n inside o | ur downs | tream chan | nel. Wate | r temperature v | was taken in t | he morning fr | om the surfa | ce of the tro | ough. | | | | |
|------------------------|------------------------------------|--------------------------|----------|-------|---------|-------|-------|-------------------|--------|---------------|-----------|--------|------------|---------|-------------------|------------|----------------|----------------|----------------|-------------------|---|--------------------------------|----------------|------------------|----------------------------------|-------------------------------------|------------------|-------------------|--|
| | | Generation | | | Small (| Units | | | П | Larg | ge Units | | Weir Ga | ite | Gate | Diffuse | r Setting | Spillway | Setting | Crowder | Forebay | Tailrace | Water | | | | | | |
| Date 5/12/2007 | Time 730-1300 | (small & large) 4 & 1 | 1 | 2 3 | х | , | X : | 6 7 X X | | 9 | 10 | х | A B | х | 68 | A | B 35 | 13 | B 13 | Area Gate | Elevation 107.0-107.7 | Elevation 21 | Temp F 69.9 | | | | | | |
| 5/13/2007 | 1300-1720 710-1615 | 4 & 1 2 & 0 | | | х | , | x | x x | | | | X | x | х | 68 90 | 15 | 20 | 13 | 13 13 | 60 40 | 107.9-108.7 107.0-108.1 | 21 17 | 70 | | | | | | |
| | 1615-1720 1720-1800 | 3 & 2 4 & 3 | | + | X |) | x : | | | х | | x | | X | 66 50 | | 45 45 | 13 | 13 13 | 35 35 | 108.1 | 21 22.5 | | Cleaned trasl | racks and ga | e behind them | at end of the d | iy. | |
| 5/14/2007 | 1200-1305 | 4 & 3 4 & 3 | | 1 | Х | , | x : | x x | | X | х | X | | X | 45 35 | | 61 | 13 | 13 | 40 30 | 106.7-107.4 | 22.5-22.8 | 71 | | | | | | |
| 5/15/2007 | 1305-1600 730-1420 1420-1500 | 5 & 4 4 & 2 7 & 3 | х | x > | |) | x : | x x | | X | Х | X | | X X | 40 58 38 | | 35 43 43 | 13 | 13 13 | 35 50 50 | 106.4-106.6 106.8-107.2 | 22.5-23.0 22 23 | 71.1 | Hopper cable | s have a lot of | slack. | | | |
| E400007 | 1500-1700 | 7 & 4 | | X) | X |) | x : | x x |) | C X | | X | | х | 32 | | 52 | 13 | 13 | 46 | 106.8-107.0 | 23.4-23.5 | 70.4 | 4 | | | | | |
| 5/16/2007 | 730-1145 1145-1700 730-1315 | 4 & 2 7 & 4 4 & 1 | х | х) | X |) | x : | x x x x | | x x | | X | | X | 62 40 70 | 5 | 40 40 40 | 13 13 13 | 13 13 | 50 40 | 107.3-107.7 107.0-107.3 107.6-108.0 | 21.6-21.9 23.0-23.6 21 | 73.4 | Air line for cro | owder doors be | ing fixed | | | |
| 5/1//2007 | 1315-1450 | 7 & 4 | | x) | X | , | x : | х х | | | | х | | х | 40 | - 5 | 40 | 13 | 13 | 40 | 108 | 23.3-23.5 | 74.3 | | | | | | |
| E400007 | 1450-1615 1615-1700 730-1205 | 7 & 3 7 & 4 4 & 1 | X | x) | X |) | x : | x x x x |) | | X | X X | | X X | 40 | 5 | 40 40 38 | 13 | 13 13 | 40 40 55 | 107.8 107.5 107.0-107.3 | 23.1 | 74.0 | | | | | | |
| 5/18/2007 | 1205-1710 | 4 & 3 | | + | |) | x : | х х |) | СХ | | X | | X | 68 53 | 40 | 42 | 13 | 13 | 48 | 107.3-107.4 | 21 22.4 17.7-17.8 | 71.6 | Needed to de | crease crowde | r area gate to s | et hopper in pi | , cables going | very slack. |
| 5/19/2007 | 740-1350 1350-1700 | 2 & 0 1 & 1 | | # | х | | x | x |) | (| 1 | | X X | | 95 | 12 | | 13 | 13 | 40 | 107.4-108.3 | 18.2-18.3 | 70.7 | Capacity test | | | | | |
| 5/21/2007 | 730-930 | 2 & 0 4 & 0 | | | X | , | x : | х х | | | 1 | | x | х | 92 89 | 14 | 35 | 13 | 13 13 | 45-55 48 48 | 107.2-108.2 108.7 108.7-108.8 | 18 22.5 | 70 | | weir gate got s | in pit, cable are tuck at 89 %. | going stack w | nen nopper is a | soout 6 reet m |
| 5/22/2007 | 930-1315 1315-1600 730-1300 | 4 & 0 4 & 3 4 & 0 | | | X X |) | x : | x x x x x x | | c x | x | | x | х | 85 43 83 | 15 | 34 | 13 13 13 | 13 13 13 | 34 40 | 108.7-108.8 108.7 108.0-108.4 | 20.4-20.5 22.5 19.4-19.5 | 71.6 | | | | | | |
| 5/23/2007 | 730-1300 1300-1600 730-1225 | 4 & 3 2 & 0 | | | X |) | x : | |) | c x | | х | x | х | 57 92 | 15 | | 13 | 13 13 | 39 | 108.4-108.5 107.5-108.6 | 22.3-22.5 | 71.6 | | | | | | |
| 3/23/2007 | 1225-1300 1300-1600 | 4 & 0 4 & 3 | | # | x | , | x : | х х | Ħ. | c x | | | Ĥ | x | 80 | 14 | 35 | 13 | 13 | 45 48 | 108.7 | 19.6 22.4-22.9 | 71.0 | | | | | | |
| 5/24/2007 | | 2&0 4&0 | | ١, | |) | x | X | | 1 | | ^ | x | ^ | 54 92-95 82 | 15 | 35 | 13 13 | 13 13 | 60 | 108.5 | 17 | 71.6 | | | | | | |
| EIDE DOOR | 1420-1600 | 4 & 3 | | , | | , | x : | x x | | (x | 1 | х | | х | 55 | 15 | 35 | 13 | 13 | 60 | 108.2 | 22 | 70.5 | | | e behind them | at end of the d | iy. | |
| 5/25/2007 | 730-1330 1330-1425 1425-1600 | 2 & 0 4 & 1 4 & 3 | # | # | # | Τ, | x | X | H | + | | Н | x | X | 92 68 | 14 | 39 | 13 13 | 13 13 | 50 50 50 | 107.2-108.5 108.6 108.6-108.7 | 18 21 22.6 | 72.5 | rau problem | setting hopper | use pit. | | | |
| 5/26/2007 | 730-1325 1325-1600 | 4&3 2&0 4&0 | # | # | x | | x : | X X | H | # | 1= | | x | х | 53 96 85 | 15 | 39 | 13 13 | 13 13 13 | 60 | 108.6-108.7 107.0-108.2 108.2-108.4 | 17 18.5 | 75.5 | | | | | | |
| 5/27/2007 | 720-1305 1305-1600 | 2 & 0 2 & 1 | 1 | + | | , | x : | х | | # | + | х | X | х | 97 72 | 15 | 30 | 13 13 | 13 13 | 60 | 108.2-108.4 107.0-108.3 108.5-108.6 | 18.5 17 20.5 | 77 | | | | | | |
| 5/28/2007 | 730-1330 1330-1600 | 2 & 0 4 & 2 | # | | I |) | x | XX | Ш | | x | X | х | X | 96 66 | 12 | 20 | 13 13 | 13 13 | 43 56 | 108.5-108.6 107.5-108.0 107.8-108.0 | 20.5 18.4-18.5 21.5 | 75.2 | | | | | | |
| 5/29/2007 | 700-1025 1025-1300 | 2 & 0 0 & 1 | 1 | + | * | 1, | | X | | | ^ | | x | 1 | 96 96 | 12 | 20 | 13 13 | 13 13 | 39 | 107.8-108.0 107.0-107.3 107.4-108.0 | 21.5 18.5 18.5 | 77.9 | | | | | | |
| 5/30/2007 | 1300-1500 745-1400 | 0 & 4 2 & 0 | 1 | # | + | ١, | x | x | , | \rightarrow | х | х | x | х | 96 75 92 | 12 | 23 | 13 13 | 13 13 13 | 35 58 | 107.4-108.0 108.1 106.5-107.2 | 18.5 21.9 18 | 79.7 | | | | | | |
| 5/31/2007 | 1400-1500 745-1330 | 7 & 0 2 & 0 | х | x) | x | , | X : | | | | | | x | | 72 94 | 13 | | 13 | 13 | 48 | 106.9 105.7-106.2 | 20 | 80.1 | Crowder ebal | ring when com | ing forward. Se | seco is over | | |
| 33.72007 | , ~o*1030 | 200 | # | + | # | Ŧ, | + | | Ħ | # | 1 | | 11 | | 54 | 14 | | 13 | 10 | 30 | 100.7-100.2 | 17.0 | 00.1 | J. Gwuer snai | when com | ing forward. Se | | | |
| 4/3/2006 4/5/2006 | 1130-1600 | 2 & 0 | | | | , | x : | ĸ | | | 1 | | | x | 84 | | 39 | 13 | 13 | 24 | 107.3-107.7 | 18.0-18.5 20.5 | 52.7 48.6 | | ļ | | | | |
| 4/7/2006 | 1145-1600 | 280 | | # | | Ŧ | | | | | | | | x | 60 | | 50 | 13 | 13 | 25 | 107.9-108.1 | 18.5 | 55 | Different A on | B are set | tion amounts | | | |
| 4/8/2006 | 1210-1700 940-1205 | 2 & 0 4 & 1 | 4 | # | X | | x | x x | Η, | | | | x | X | 78 | | 40 | 13 | 13 | 20 25 | 106.9-107.3 | 18 20 | 54.5 | Diffuser A an | d B are not wo | king properly. | | | |
| 4/9/2006 | 1205-1610 | 280 | | 1 | × |) | x : | K | ľ | × | 1 | | x | Â | 78 62 | 20 | 40 | 13 | 13 | 20 24 | 107.6-108.3 | 18 20.5-21.0 | 53.6 | | 1 | | | | |
| 4/10/2006 | 1300-1710 | 280 | | | Î | | х : | | | Ê | | | x | | 78 | 20 | | 13 | 13 | 24 | 108.4-108.6 | 18.5 | 55.1 | Hopper is not | lined up corre | ctly with trough. | | | |
| 4/11/2006 | 1110-1530 | 2 & 0 4 & 0 | | | | , | x : | K | | | | | x | | 78 72 | 45 45 | | 13 | 13 | 28 | 107.7-108.4 | 19.0-19.5 | 55.4 | Limit switch f | ailed during las | t lift. Hopper a | had to be man | ually stop at tro | ugh. |
| 4/13/2006 | 1210-1630 | 2 & 0 4 & 3 | | # | | Ŧ | | | | | | | X | x | 78 | 45 | 53 | 13 | 13 | 25 25 | 107.7-108.8 | 19 22 | 57 | | | | | | |
| 410200 | 1110-1210 | 480 | | | | Ŧ | ļ | | | | | | × | x | 65 82 | 25 | 53 | 13 | 13 | 25 25 | 106.8 | 20.5 | | | | | | | |
| 4/14/2006 | 1700-1745 1030-1415 | 3 & 0 4 & 1 | 1 | 1 | | ŧ | # | | | | | | x | х | 76 70 | 25 | 18 | 13 | 13 | 25 25 | 108.2 108.2-108.5 | 19 20.0-21.0 | 57.2 | | | | | | |
| 4/15/2006 | 1415-1745 1000-1200 | 2 & 0 | | # | | Ŧ | + | | | | | | х | X | 78 65-68 | 20 | 51 | 13 | 13 | 25 25 | 108.5-108.8 | 19 21.0-21.5 | 59 | Limit switch a | at trough failed | | | | |
| 4/16/2006 | 1200-1700 | 2 & 0 | | # | | Ŧ | ļ | | | | | | x | Î | 80 | 20 | 01 | 13 | 13 | 25-30 25 | 107.8-108.6 107.8-108.6 | 19 | 59.4 | Maintenance | here in mornin | g to fix limit swi | itch | | |
| 4/17/2006 4/18/2006 | 1100-1735 1000-1335 | 4&0 4&0 | | 1 | х | Ŧ, | x : | x x | | | | | x | | 72 | 45 40 | | 13 | 13 | 20-25 | 107.3-108.8 | 19.5 | 60 | | at trough failed | | | | |
| 4102000 | 1335-1605 1605-1720 | 2 & 0 4 & 1 | | 1 | x |) | x : | K | , | , | 1 | | x | | 80 | 45 | | 13 | 13 | 30 40 | 108.1-108.8 | 19 | | | | | | | |
| 4/19/2006 | 950-1210 1210-1720 | 4 & 2 | |) | X | | - 1 | x x | | | x | х | 11 | x | 55 | - 55 | 50 | 13 | 13 | 25 25 | 107.2-107.4 | 21.5 | 60.8 | | made repairs ! gate tripped n | o viewing room | gate. | | |
| 4/20/2006 | 930-1230 1230-1815 | 4 & 0 | 4 | | X | I | Т: | х х | П | c x | × | х | х | x | 72 45 | 50 | 52 | 13 | 13 | 25 25 | 107.5-107.7 | 19.5 | 61.4 | | lown spills to s | | | | |
| 4/21/2006 | | 4 & 1 3 & 0 | 7 | Ť | | Ŧ | Ŧ | _ | H. | Ť | Ĥ | Ŷ | x | x | | 15 | 52 | 13 | 13 | 26 26 | 106.6-106.9 | 20.5-21.0 | 62.6 | I lad to since o | 1 | mich guico. | | | |
| 4/22/2006 | 1800-1845 800-1100 | 4 & 1 4 & 0 | 1 | ١, | x | + | + | к х |) | | - | Н | x | H | 70 | 15 | | 13 | 13 | 30 | 107.7 | 20 | 62.6 | | | | | | |
| | 1100-1300 | 280 | | Ŧ | Ť | Ŧ | | x x | | - | - | Ш | x | H | 78 80 | 15 | | 13 | 13 | 35 25 | 106.5-107.0 | 18.5 | | | | | | | |
| 4/23/2006 | 750-1655 1655-1800 | 4 & 0 4 & 3 | 1 | , | | | | x x | | c x | x | | x | x | 70 | 15 | 45 | 13 | 13 | 30 | 108.0-109.0 | 20 | 61.7 | Thin cable for | schieve block | for air line was | wrapped arou | d hoses. Rem | oved. |
| 4/24/2006 | 800-1135 1135-1500 | 7 & 4 4 & 2 | х | x > | X | | x : | x x |) | | | x | + | X | 30 48 | | 45 45 | 13 | 13 | 24 | 106.3-107.0 | 23 | 61.7 | Maintenance | replace guide | cable for schiev | e block. | | |
| 4/25/2006 | 1500-1745 800-1445 | 7 & 4 7 & 4 | | X) | x | - | x : | x x |) x | | | x | | X | 30 27 | | 45 | 13 | 13 | 24 | 107.6-107.7 | 23 23 | 61.7 | | | | | | |
| 4/26/2006 4/27/2006 | 800-1600 800-1600 | 7 & 4 7 & 4 | х | x > | X |) | x : | x x |) x | (X | | x | | X | 25 28 | | 50 | 13 | 13 | 30 | 106.7-107.0 | 23.0-23.5 | 59 | | | | | | |
| 4/28/2006 4/29/2006 | 800-1655 800-1730 | 7 & 4 7 & 4 | х | | X |) | x : | x x |) | (X | X | | + | X | 30 30 | | 45 45 | 13 | 13 | 40 40 | 107.2-107.5 | 23.5 | 59 59 | | | | | | |
| 4/30/2006 | 700-1120 1120-1150 | 2 & 0 4 & 0 | - | Ŧ | |) | x : | | Ш | 1 | Ë | | x x | H | 78 72 | 15 | | 13 | 13 | 35 35 | 107.9-108.7 | 18.5 | 59 | | | | | | |
| | 1150-1215 1215-1815 | 4 & 2 4 & 3 | - | + | |) | x : | x x | | | x | x | | x | 52 | | 45 45 | 13 | 13 | 35 | 108.8 | 20 22 | | | | | | | |
| 5/1/2006 | 800-1215 1215-1700 | 7 & 4 4 & 0 | х | x) | x |) | x : | x x |) | C X | | х | x | x | 30 71 | 20 | 50 | 13 | 13 | 35 35 | 107.3-108.3 107.5-108.6 | 23 19.5-20.0 | 59 | | | | | | |
| 5/2/2006 | 800-1055 1055-1700 | 7 & 4 4 & 0 | х | x) | | , | x : | x x |) | СХ | х | х | x | х | 30 70 | 20 | 52 | 13 | 13 | 35 | 107.1-108.0 | 23.5 | 60.8 | | | | | | |
| 5/3/2006 | 800-1210 1210-1650 | 4 & 3 4 & 0 | \dashv |) | x | Т | | x x |) | СХ | | х | | x | 45 75 | Ė | 55 40 | 13 | 13 | 30 | 107.6-108.0 | 22.5 | 62.3 | | | | | | |
| | 1650-1730 1730-1800 | 4 & 3 4 & 4 | - | , | | İ | | х х |) | c x | | x | + | X | | | 40 | 13 | 13 | 45 45 | 109 | 22.5 | | Hopper cable | wrapped arou | nd cage on last | lift. | | |
| 5/4/2006 5/5/2006 | | ATE TODAY DUE TO | O HOPE | | BLE W | /RAP | PED. | AROUNE | CAGE | . Tested | at 1945. | | | x | | | 51 | 13 | 13 | 35 | 108.0-108.7 | 22 | 64.4 | | | | | | |
| 5/6/2006 | 1700-1845 800-1300 | 4 & 3 4 & 0 | 4 | + | |) | x : | x x |) | | X | | x | X | 46 70 | 20 | 45 | 13 | 13 | 30 | 108.7-108.9 | 22.5 | 64.8 | | | | | | |
| | 1300-1400 | 2 & 0 4 & 1 | 4 | + | | , | x | X | | | | | x | х | 79 | 10 | 45 | 13 | 13 | 41 25 | 108.5 | 19 20.5-21.0 | | | | | | | |
| 5/7/2006 5/8/2006 | | 2 & 0 | 4 | + | Ŧ. | | x | X | | - | 1 | | x | x | 82 65 | 15 | 54 | 13 | 13 | 30 25 | 107.0-108.3 | 18 20.0-21.0 | 65.3 64.8 | Flushed debr | s and had mai | ntenance come | out to fully low | er dividing scre | en hoist. |
| 51012300 | 1200-1700 1700-1800 | 280 | # | # | Ŧ | Ŧ | ļ | | H | | | Ħ | х | X | 82 52 | 15 | 25 | 13 | 13 13 | 30 35 | 106.8-107.9 | 19.5-20.0 21.5 | J4.0 | | | d while switchir ction of crowde | | missina | |
| 5/9/2006 | 830-1200 1200-1730 | 4 & 1 4 & 1 | + | # | Ŧ | Ŧ | Ŧ | | H | + | | П | | X | 65 60 | | 55 55 | 13 | 13 13 | 35 35 | 107.6-107.8 | 21 21 | 66.2 | | | creen hoist not | | | |
| 5/10/2006 | 845-1030 1030-1330 | 4&1 4&1 3&0 | | + | x | | x : | | Ħ | x | | П | x | X | 63 | 25 | 55 | 13 | 13 13 | 30 | 106.4-106.7 106.5-106.8 | 20.5 19.5-20.5 | 67 | protein | Jowder t | rastriot | , .omaning. | | |
| | 1330-1610 1610-1700 | 3&0 3&0 | 1 | + | # | , | x : | x x | | 1 | 1 | | X X | H | 77 | 10 | | 13 | 13 13 | 20 | 107.3-107.6 | 19.5-20.5 19.5 | | | | | | | |
| | 1700-1730 | 3 & 0 4 & 1 | -+ | - | - | +; | | x x | H | | + | x | +^+ | х | | 1 " | 42 | 13 | 13 | 35 | 107.8 | 19.5 | + | l | | l | | | |

| Gate | and Diffuser s | setting are in pe | rcent o | pen an | d forel | bay a | and tailr | ace el | levations a | are in fe | et abo | e mean se | a level | and are take | n inside o | our downs | tream chan | nel. Wate | r temperature v | was taken in t | he morning fr | om the surfac | ce of the tro | ugh. | | | | |
|------------------------|----------------------------|------------------------------|----------|----------------|----------------|-------|------------|----------------|-------------|---------------|-----------|-------------|---------|---------------|------------|-------------|------------|-----------|--------------------|----------------------------|-------------------|----------------|-----------------|----------------------|-------------------|-------------------|----------------|----------------|
| | | Generation | | s | imall Ur | nits | | П | Lar | je Units | | Weir Ga | ite | Gate | Diffuse | er Setting | Spillway | Setting | Crowder | Forebay | Tailrace | Water | | | | | | |
| Date 5/11/2006 | Time 745-1000 | (small & large) 4 & 2 | 1 | 2 3 | | | 6 7 X) | | 8 9 X | 10 | 11 X | A B | C X | Setting 53 | A | B 40 | A 13 | B 13 | Area Gate 30-35 | Elevation 106.1-106.3 | Elevation 21 | Temp F 66.6 | | | | | | |
| | 1000-1400 1400-1655 | 3&0 3&0 | | + | х | | х | H | | | | x | | 77 | 25 10 | | 13 13 | 13 | 30 20 | 106.2-107.1 107.3-107.8 | 19 19 | | | | | | | |
| 5/12/2006 | 800-1100 1100-1600 | 4 & 0 4 & 1 | H | + | H | | | H | | x | | x | x | 70 63 | 20 | 55 | 13 13 | 13 13 | 35 32 | 107.3-107.5 107.7-108.6 | 19.5 21.5 | 67.8 | | | | | | |
| | 1600-1720 | 4 & 3 | | $^{+}$ | | | | # | х | X | х | | x | 52 | | 45 | 13 | 13 | 30 | 108.5 | 22 | | | | | | | |
| 5/13/2006 5/14/2006 | 800-1730 745-1600 | 4 & 0 2 & 0 | | | | | х > | | | | | x | | 69 90 | 25 15 | | 13 | 13 13 | 30 20 | 106.0-106.9 107.4-108.6 | 19.5 18 | 68.2 67.1 | | | | | | |
| 5/15/2006 | 1600-1730 830-1305 | 4 & 2 4 & 2 | | x x | | х | X > | | X | | X | | x | 58 55 | | 45 45 | 13 13 | 13 13 | 35 30 | 108.6 107.7-108.1 | 21.5 21.5 | 67.1 | | | | | | |
| 5/16/2006 | 1305-1700 800-1105 | 4&1 4&3 | | х | | X | X > | | x | | | | x | 62 47 | | 45 40 | 13 13 | 13 13 | 30 30 | 108.1-108.5 106.7-106.8 | 21 22 | 66.2 | | | | | | |
| 5/17/2006 | 1105-1700 745-1100 | 4 & 0 4 & 3 | | × | x | x | x | + | х | х | х | x | х | 77 50 | 15 | 45 | 13 13 | 13 | 30 | 107.0-107.9 107.1-107.4 | 19.5 22 | 66.6 | | | | | | |
| 5/18/2006 | 1100-1700 800-1245 | 4 & 1 4 & 3 | | × | | | X X | | x | х | х | | x | 69 50 | - | 45 45 | 13 13 | 13 13 | 30 25-30 | 107.3-108.1 107.0-107.4 | 20.5 22 | 66.2 | | | | | | |
| | 1245-1710 1710-1745 | 4&1 4&3 | | \mp | х | х | X X | | х | x | x | | x | 67 50 | | 40 | 13 | 13 13 | 25-30 20 | 107.5-108.1 | 20.5 | | | | | | | |
| 5/19/2006 | 800-1300 1300-1700 | 4 & 3 4 & 1 | | \mp | | | x > | Ш | x | | | | x | 50 69-72 | | 36 25-35 | 13 | 13 | 40 25-30 | 107.9-108.1 108.1-108.6 | 22 20.5 | 66.2 | | | | | | |
| 5/20/2006 | 800-1130 1130-1210 | 480 | x | х | Ĺ | х | х | Ħ | | | | x x | _ | 78 84 | 15 15 | 2500 | 13 | 13 | 35 30 | 107.0-107.3 | 19 | 64.4 | | | | | | |
| 5040000 | 1210-1710 745-810 | 4 & 0 | Î | # | х | х | X > | | | | | х | | 84 | 15 | | 13 | 13 | 25 35 | 107.9-108.4 | 19 | | | | | | | |
| 5/21/2006 | 810-1650 | 2 & 0 4 & 0 | | | х | х | | | | | | x | | 82 | 15 | | 13 | 13 | 20-30 | 107.7-108.1 | 18 | 64 | | | | | | |
| 5/22/2006 | 800-1145 1145-1500 | 4 & 2 4 & 1 | | \pm | | х | X > | | x | | X | | x | 60 70 | | 40 35 | 13 | 13 13 | 35 30 | 107.3-107.7 107.4-107.5 | 21 20.5 | 63 | | | | | | |
| 5/23/2006 | 1500-1700 800-1225 | 4 & 1 4 & 2 | | \pm | х | | X > | | X | | х | | x | 70 60 | | 30 40 | 13 13 | 13 13 | 20 35 | 107.6-107.8 107.3-107.6 | 20.5 | 62.6 | | | | | | |
| | 1225-1315 1315-1500 | 4 & 0 4 & 0 | oxdot | Ŧ | х | x | X X | (| | | | х | х | 72 80 | 15 | 20 | 13 13 | 13 13 | 35 35 | 107.5 107.8-107.9 | 20 19 | | | | | | | |
| 5/24/2006 | 1500-1655 800-1225 | 4 & 0 4 & 2 | H | F | | | X X | | хх | | Н | х | х | 80 60 | 10 | 30 | 13 13 | 13 13 | 17 35 | 108.2 107.1-107.4 | 19 21 | 62.2 | | | | | | |
| | 1225-1445 1445-1715 | 4 & 0 4 & 0 | | + | х | х | X X | | | | | x | H | 80 | 15 | | 13 | 13 | 30 20 | 107.4-107.5 107.8-108.3 | 19.5 19.5 | | | | | | | |
| 5/25/2006 | 1715-1800 800-820 | 4&1 2&0 | H | # | | х | X X | | х | | | x | H | 67 | 15 | 1 | 13 | 13 | 30 | 108.3 | 20.5 | 64.4 | When lowerin | g "A" nate ho | ard loud hand | | | |
| .==50 | 820-1220 1220-1400 | 480 | H | X | x | x | x | # | x x | x | x | x | x | 80 | 15 | 40 | 13 | 13 | 30 | 108.2-108.6 | 19.5 | | | _ gaw, ries | amy | | | |
| Emeror - | 1400-1700 | 4 & 4 | | × | | | X | # | | X | | | X | 45 | - | 40 | 13 | 13 | 35 | 107.9-108.1 | 22.5 | 00.0 | | | | | | |
| 5/26/2006 | 730-800 800-1200 | 2 & 0 4 & 0 | Н | \pm | Ħ | | | \parallel | | | | x | | 90 | 15 | | 13 | 13 | 35 35 | 107.5 | 18.5 19.5 | 65.3 | | | | | | |
| 5/27/2006 | 1200-1730 700-1200 | 4 & 2 2 & 0 | Н | \pm | H | х | | | \pm | | \Box | x | х | 63 90 | 15 | 30 | 13 | 13 13 | 30 | 108.4-108.6 107.6-108.5 | 21.5 18.5 | 64.4 | | | | | | |
| | 1200-1430 1430-1700 | 4&1 4&1 | | \pm | X | х | | (| x | | | x | х | 69 73 | 15 | 30 | 13 13 | 13 13 | 30 | 108.5-108.8 108.6 | 20.5 20.0-20.5 | | | | | | | |
| 5/28/2006 | 745-1410 1410-1700 | 2 & 0 4 & 1 | | × | + | x | x > | t | _ | х | | x | х | 90 70 | 10 | 45 | 13 13 | 13 | 20 30 | 107.8-108.7 108.4-108.7 | 17 20 | 66.2 | Air leaking fro | m one of the c | rowder doors. I | lole in the line. | | |
| 5/29/2006 | 700-1425 1425-1500 | 2 & 0 4 & 1 | | x | | x | | (| x | | | x | х | 90 73 | 15 | 20 | 13 13 | 13 13 | 30 | 107.5-108.2 108.1 | 18.5 20 | 68 | | | | | | |
| 5/30/2006 | 645-1005 1005-1115 | 2 & 0 4 & 1 | | \perp | x | x | x > | | | х | | x | х | 90 72 | 15 | 40 | 13 13 | 13 | 30 30 | 108.2-108.5 108.8 | 18 20 | 70 | | | | | | |
| 5/31/2006 | 1115-1500 730-1225 | 7 & 4 2 & 0 | х | хх | | | X > | (| x x | | х | x | х | 35 90 | 15 | 45 | 13 | 13 | 35 30 | 107.7-108.6 | 23 | 71.3 | | | | | | |
| 6/1/2006 | 1225-1500 700-1200 | 4&3 1&0 | | \mp | х | X | x > | | х х | х | | x | х | 48 | 15 | 40 | 13 | 13 | 30 25 | 107.4-107.6 | 22 | 73.6 | | | | | | |
| | 1200-1500 | 4 & 2 | | × | х | х |) | | х | х | | | х | 64 | | 30 | 13 | 13 | 30 | 107.1-107.5 | 22 | | | | | | | |
| 6/2/2006 | 700-1300 1300-1500 | 1 & 0 4 & 4 | | \pm | х | X | X > | | х х | х | х | X | х | 95 50 | 15 | 30 | 13 | 13 | 25-30 30 | 107.3-108.5 108.7-109.0 | 17.5 22.5 | 77 | | | | | | |
| 6/3/2006 | 700-1210 1210-1400 | 1 & 0 4 & 3 | х | x | | | х | \pm | x | х | х | X | х | 94 55 | 15 | 40 | 13 13 | 13 13 | 25 30 | 108.0-108.9 109.1 | 17 22 | 77 | | | | | | |
| 6/4/2006 | 730-830 830-1030 | 1 & 0 4 & 0 | | | х | X | X > | | | | | X | | 90 80 | 15 15 | | 13 13 | 13 | 30 | 107.9 107.9-108.1 | 17 19.5 | 75.6 | | | | | | |
| | 1030-1115 1115-1400 | 1 & 0 4 & 1 | | | | X | | Н | | | | x | х | 90 70 | 15 | 30 | 13 13 | 13 | 30 | 108 108.0-108.1 | 17 20.5 | | | | | | | |
| 6/5/2006 | 730-1115 | 4&1 | \vdash | × | x | x | X | $^{+}$ | - | | х | | х | 58 | - | 30 | 13 | 13 | 30 | 108.0-108.5 | 21 | 75.6 | | | | | | |
| 4/23/2001 | 1130-1200 | 6 & 4 | Н | \mp | H | F | | H | x x | x | х | | х | 80 | - | 50 | | | 10 | 106.8 | 21.5 | 52.7 | | | | | | |
| 4/25/2001 | 1200-1715 945-1545 | 6 & 4 6 & 4 | | \mp | \blacksquare | | | \blacksquare | x x | X | X | + | x | 39 39 | - | 47 | | | 18 | 106.5 107.1-107.5 | 23 23 | 55.4 | | | | | | |
| 4/26/2001 | 1545-1830 930-1150 | 6 & 4 6 & 4 | | \perp | | | | H | x x | Х | X | - | x | 58 39 | - | 55 47 | | | 30 18 | 107.5-107.7 107.4 | 23 23 | 59 | | | | | | |
| 4/27/2001 | 1150-1815 945-1830 | 6 & 4 6 & 4 | | \perp | | | | H | x x | Х | x | | x | 58 48 | 25 | 55 52 | | | 30 23 | 107.6-108.4 | 23 23 | 59 | | | | | | |
| 4/28/2001 | 800-845 845-955 | 4 & 0 4 & 2 | | \perp | | | | H | | | | | x | 84 70 | | 70 | | | 10 | 108.2 | 17.5 21 | 59 | | | | | | |
| | 955-1015 | 6 & 4 | | | | | | Ħ | х х | | | | х | 50 | 05 | 70 | | | 7 | 108.3 | 22 | - | | | | | | |
| | 1015-1600 1600-1715 | 6 & 4 4 & 3 | Ħ | # | Ħ | | | \parallel | X X | _ | X | | X | 48 | 25 | 53 | | | 23 | 107.0-108.1 | 22.5-23.0 | | | | | | | |
| 4/29/2001 | | 6 & 4 2 & 2 | H | \pm | Ħ | | | \pm | X X | | X | | X | 80 | 25 | 70 | | | 10 | 106.8-107.0 | 22.5-23.0 | 60 | Two Large turi | I bine stuck in s | pin mode. | | | |
| | 1100-1300 1300-1535 | 2 & 2 4 & 1 | | \pm | Ħ | | | \pm | X | | Х | | X | 78 76 | 25 | 52 55 | | | 15 28 | 108 | 17.5 20.5 | | | | | | | |
| 4/30/2001 | | 6 & 4 2 & 2 | | \perp | | | | \pm | X X | | X | | X | 39 90 | | 47 55 | | | 30 | 108 | 23 17.5 | 62.6 | | | | | | |
| | 1000-1200 1200-1840 | 4 & 2 6 & 4 | | \pm | | | | Ш | x x | | X | | X | 80 49 | | 55 47 | | | 30 12 | 108 107.4-108.0 | 19.5-20.0 23 | | | | | | | |
| | | 2 & 1 ce come out to swit | ch aroun | | fish du | mped | into sorti | ng tank | and 41 tag | ped for te | lemetry s | tudy. | х | 80 | | 70 | | | 10 | 107.5-107.9 | 17.5 | 626 | | | | | | |
| 5/2/2001 | 800-900 900-1050 | 2 & 1 2 & 1 | | X | | H | | (| | | | | X X | 95 | \perp | 70 | | | 20 10 | 107.8 108.1-108.4 | 18 19 | 66.2 | | | | | | |
| | 1050-1215 1215-1350 | 4 & 2 6 & 4 | H | F | H | F | | \mathbb{H} | x x | х | х | oxdot | X | 86 40 | H | 47 60 | | | 7 30 | 108.6-108.8 108.7 | 21.0-22.0 | | | | | | | |
| 5/3/2001 | 1350-1815 830-1010 | 6 & 4 2 & 0 | H | × | F | F | , | | | х | X | \Box | X X | | | 70 | | | 30 10 | 107.5-108.4 107.9-108.0 | 23 18.5 | 67.1 | Unit 11 stuck | on slow spin ~ | 15% | | | |
| | 1010-1245 | 4 & 2 ce come out to swit | ch aroun | d plates | fish di | mper | | 世 | and tagger | 41Shad | | etry studv. | х | 50 | | 70 | | | 7 | 108.3-108.4 | 22 | | | | | | | |
| 5/4/2001 | 820-1200 1200-1815 | 1 & 3 | HĪ | Ŧ | F | ļ. | HĒ | ŦĨ | 9950 | F | | ΤĹ | X X | 80 | | 70 | | | 10 | 107.0-107.2 | 17.5 22.0-23.0 | 69.9 | | | | | | |
| 5/5/2001 | 800-1100 1100-1800 | 1&3 | H | + | H | | | \parallel | х | х | х | ## | X | 80 | | 70 | | | 10 | 107.0-108.0 | 18 | 68.9 | Large units str | I uck in slow spi | n. | | | |
| 5/6/2001 | 730-1830 | 2 & 3 | | # | Ħ | | | # | | | | | х | 80 | | 70 | | | 11 | 107 | 18 | 69.9 | Large units st | I uck in slow spi | n. | | | |
| 5/7/2001 | 830-1230 1230-1350 | 1 & 1 | Н | \pm | Ħ | | | † | | | | | X | 79 64 | | 35 70 | | | 70 | 107.7-108.7 | 18.5 18.5 | 69.9 | | | | | | |
| | 1350-1430 1430-1630 | 4 & 2 6 & 2 | H | # | | | \Box | \pm | | | | | X | 40 | | 60 | | | 30 | 108.6 | 21 | | Problems with | the crowder, | maintance cam | e out and fixed | 1 | |
| 5/8/2001 | 1630-1815 830-1245 | 6 & 4 2 & 1 | | х | | | | | x x | Х | X | $\pm \pm$ | X | 39 84 | | 47 70 | | | 12 6 | 108.2-108.7 106.7-107.3 | 23 18.5 | 68.9 | Large Units st | uck on slow sp | ain | | | |
| | 1245-1400 Had maintenan | 2 & 1 be come out to swit | | X d plates, | fish du | | into sorti | ng tank | | X Shad for | | | х | 79 | | 70 | | | 4 | 107.3-107.8 | 18.5 | | | | | | | |
| 5/9/2001 | 800-1130 1130-1530 | 2 & 1 3 & 1 | H | X | | X | | | | Х | | F | X X | 84 79 | | 70 70 | | | 6 4 | 107.0-107.3 107.6-108.3 | 18.5 18.5 | 71.6 | Large units st | uck on slow sp | in. Both doors | on hopper oper | n, maintenance | came out to fi |
| 5/10/2001 | 1530-1800 | 4 & 2 2 & 1 | | × | | | | | | X | | H | X | 86 | | 47 | | | 7 4 | 108.6 106.2 | 21 16.5 | 74.3 | | | | | | |
| | 850-1100 1100-1335 | 2&1 | | × | | F | | | × | | X | | X | 84 75 | | 70 | | | 6 15 | 106.6-106.9 | 18.5 | | | | | | | |
| | 1335-1430 | 2 & 3 | | 1 | Eat 1 | | into : | Ш | | 40.00 | for | | X | 75 95 | | 70 | | | 15 | 107.0-107.3 | 18.5 | | | | | | | |
| | 1515-1730 | 2 & 3 | an aroun | u prates, | iish du | nped | into sorti | eg tank | and tagged | ⇒u Shad | or telen | erry study. | х | 96 | | 70 | | | 10 | 108.1-108.5 | 19 | | | | | | | |
| 5/11/2001 | 1730-1830 830-1300 | 4 & 1 2 & 3 | | \pm | | | | \pm | | | | | X | 70 80 | | 70 | | | 10 | 108.6 107.3-108.6 | 21 18 | 74.3 | | | | | | |
| 5/12/2001 | 1300-1320 800-1400 | 2 & 3 1 & 3 | | \pm | | | | 世 | | | | | X | 70 72 | | 70 55 | | | 7 | 108.4-108.8 105.6-107.2 | 23 18.5 | 74.3 | Broke cables | on crowder, lin | nit switch failed | | | |
| | 1400-1830 | 2 & 3 | LΤ | | \perp | | ιГ | ΙT | | | | | Х | | | 1 | | | | 107.2-108.0 | 18.5 | | | | | | | |

| Gate | and Diffuser s | setting are in pe | rcent | open | and fo | oreba | ay and t | tailrace | e eleva | itions a | re in f | eet abo | ove me | ean se | a leve | l and are | taken | inside our downstr | eam chan | nel. Wate | r temperature | was taken in t | he morning f | rom the surfa | ce of the tre | ough. | | | | |
|-----------|------------------------|-------------------------------|----------|-----------------|-----------|--------------|----------|--------------------|----------|----------|----------|----------|---------------------|--------|---------------|----------------|--------|-----------------------|----------|-----------|----------------------|----------------------------|-----------------------|-----------------|----------------|---|--|--------------|------------|---------------|
| | | | | | | | | | | | | | | | | | | | , | | | | | · | | | | | | |
| Date | Time | Generation (small & large) | 1 | 2 | Smal 3 | II Unit | | 7 | 8 | | 10 | | | Weir G | C | Gate Settin | | Diffuser Setting A B | Spillway | / Setting | Crowder Area Gate | Forebay Elevation | Tailrace Elevation | Water Temp F | | - | - | | | |
| 5/13/2001 | 800-1630 | (small & large) | ۳ | - | 3 | 4 | 5 6 | ++ | - | 9 | 10 | - 11 | H^ | В | X | Settin | 9 | A B | A . | В | Area Gate | 106 4-106 7 | 17.5-18.0 | 73.4 | | + | - | | | |
| 5/14/2001 | 800-830 | 2 & 0 | | $\neg \uparrow$ | _ | + | \neg | + | \vdash | | † | 1 | 11 | + | х | 92 | - | 35 | 1 | | 10 | 106.4 | 16.5 | 72.5 | | | | | | |
| | 830-1500 | 2 & 0 | | | | | | | | | | | | | х | 80 | | 55 | | | 30 | 106.7-107.4 | 18 | | | | | | | |
| | 1500-1750 | 2 & 0 | Ш | _ | \perp | 4 | | | Щ | | _ | | Щ | | х | 79 | 4 | 35 | 1 | | 45 | 107.6-108.1 | 18 | | | | | | | |
| 5/15/2001 | 800-1050 | 2 & 0 | | \rightarrow | 4 | + | _ | | - | - | - | | Н- | - | Х | 80 | + | 55 | - | | 30 | 107.4 | 18 | 71.6 | | | | _ | | |
| - | 1050-1240 1240-1315 | 2 & 0 | \vdash | \rightarrow | + | + | - | + | - | + | - | + | ₩ | + | X | 79 84 | + | 35 | + | | 45 10 | 107.7-108.1 | 18 20 | + | | - | | _ | | |
| | 1315-1400 | 2&2 | | - | - | - | - | + | - | - | - | | - | +- | X | 70 | - | 70 | - | | 10 | 108.3 | 21 | | | - | | | | |
| | | ce come out to swit | ch arou | ind plat | es, fish | h dum | ped into | sorting t | tank and | l tagged | Shad fo | r teleme | try stud | v. | L^ | 100 | - | | 1 | | | 100.5 | | | | | | | | |
| | 1500-1750 | 2 & 2 | Т | TΤ | T | | Т | ΤŤ | П | T | T | Π | ľТ | | х | 70 | | 70 | | | 10 | 108.3-108.5 | 21 | | | T | | | | |
| 5/16/2001 | 800-1240 | 2 & 0 | | | | _ | х | Х | | Х | Х | Х | П | | Х | 80 | | 55 | | | 30 | 106.2-107.2 | 18 | 69.8 | Large units s | tuck on slow s | pin. | | | |
| | 1240-1530 | 2 & 0 | - | | | - | х | Х | Щ. | X | Х | Х | Ш. | 4- | Х | 79 | - | 35 | - | | 45 | 107.6-107.9 | 18 | | | | <u> </u> | | | |
| 5/17/2001 | 1530-1800 830-930 | 4 & 1 2 & 0 | - | - | х | x | - | - | | - | - | - | | +- | X | 64 90 | - | 70 51 | - | | 7 20 | 107.9-108.3 105.6-105.7 | 21 18 | 68.9 | | - | - | | | |
| 5/1//2001 | 930-1020 | 280 | | | | x | - | + | H | - | - | - | - | +- | X | 74 | - | 30 | - | | 10 | 105.6-105.7 | 18 | 66.9 | | - | | | | |
| | 1020-1400 | 280 | \vdash | \neg | ^ | ^+ | × | х | \vdash | +- | ! | i | H | + | x | 79 | - | 35 | 1 | | 4 | 106.1-106.3 | 18.0-18.5 | | | | | | | |
| | | ce come out to swit | ch arou | ind plat | es, fish | h dum | | | tank and | tagged | Shad fo | r teleme | try stud | y. | | 1 | \top | | | | | 1 | | 1 | | | | | | |
| | 1515-1645 | 2 & 0 | | | I | I | X | Х | | | | | | | х | 80 | I | 55 | | | 30 | 106.6-107.2 | 18.5 | | | | | | | |
| | 1645-1800 | 2 & 0 | \vdash | | _ | 4 | Х | Х | | _ | | | ш | | Х | 79 | 4 | 35 | | | 45 | 107.5-107.7 | 18.5 | | | | | | | |
| 5/18/2001 | 800-1715 | 2 & 2 | \vdash | - | + | 4 | - | + | Н. | +- | ļ | - | Н. | 4 | х | 83 | - | 30 | - | | 2 | 106.3-107.8 | 18.5 | 70.7 | | | - | | | |
| 5/19/2001 | 800-1715 1715-1745 | 2 & 2 4 & 2 | - | х | х | x | - | х | Н— | x | X | - | Н- | +- | X | 83 | -+ | 30 | + | | 2 | 106.4-108.2 108.2 | 18.0-18.5 21.5 | 70.7 | | - | - | | | |
| 5/20/2001 | 800-1730 | 2 & 3 | + | - | ^ | ^+ | + | 1 | \vdash | + X | X | X | + | + | X | 96 | + | 70 | + | | 5 | 108.2 | 18 | 70.7 | Large units s | tuck on slow s | pin | | | |
| 5/21/2001 | 830-1320 | 2 & 0 | | _ | \dashv | $^{+}$ | _ | | \vdash | <u> </u> | <u> </u> | _^ | Н | + | X | 74 | - | 30 | | | 10 | 104.6-105.4 | 18 | 68.9 | carge oras s | T I I I I I I I I I I I I I I I I I I I | T - | | | |
| | 1320-1530 | 2 & 0 | | | _ | | | | | | | T | Ш | | х | 74 | | 30 | | | 10 | 105.8-106.1 | 18 | | | T | | | | |
| | 1530-1720 | 2 & 0 | | | | | | | | | | | | | Х | 70 | | 55 | | | 30 | 106.6-107.0 | 18 | | | | | | | |
| 5/22/2001 | 800-1050 | 2 & 0 | \perp | _ | _ | _ | | | Ш. | | | | Ш | _ | Х | 74 | _ | 30 | | | 10 | 106.0-106.2 | 18 | 69.5 | | | | | | |
| | 1050-1345 | 2 & 0 | - | - | - | - | - | + | - | | - | | Н- | - | х | 80 | - | 55 | | | 30 | 106.6-107.3 | 18 | - | | | | | | |
| | 1345-1530 1530-1540 | 2 & 0 4 & 2 | \vdash | \rightarrow | + | + | _ | + | Н- | + | - | - | ₩ | + | X | 79 70 | + | 35 70 | + | | 45 10 | 107.6-108.0 | 18 18 | | | - | | | | |
| | 1540-1750 | 482 | | \rightarrow | $^{+}$ | + | _ | | - | + | | | ₩ | | X | 50 | + | 70 | 1 | | 7 | 108.2 | 21 | _ | | | | _ | | |
| 5/23/2001 | 800-1025 | 2 & 0 | | \dashv | х | † | | х | | х | х | х | т | 1 | X | 79 | \neg | 35 | | | 4 | 106.3-106.4 | 18.5 | 71.6 | Large Units s | stuck on slow s | pin | | | |
| | 1025-1300 | 2 & 0 | | | Х | | | х | | Х | Х | Х | | | х | 79 | | 35 | | | 4 | 106.7-107.3 | 18.5 | | | | | | | |
| | | ce come out to swit | ch arou | | | h dum | ped into | | | | | | metry s | tudy. | | | _ | | | | | | | | | | | | | |
| | 1415-1450 | 2 & 0 | - | | Х | - | | Х | Ш. | X | | | Щ. | +- | Х | 79 | - | 35 | - | | 4 | 107.4 | 18.5 | | | | | | | |
| 5/24/2001 | 1450-1745 800-920 | 2 & 0 | - | | Х | - | - | Х | - | X | Х | Х | - | + | X | 73 | | 35 | - | | 20 | 107.7-108.0 | 19 18 | 70.2 | | | - | | | |
| 3/24/2001 | 920-1240 | 2&0 | \vdash | - | -+ | + | - | | \vdash | - | - | - | - | +- | x | 74 | - | 30 | - | | 10 | 105.7-106.3 | 18 | 70.2 | | - | - | | | |
| | 1240-1535 | 2 & 0 | | $\neg \uparrow$ | _ | + | | | | | | | 11 | 1 | х | 80 | - | 55 | | | 30 | 106.7-107.3 | 18 | | | | | | | |
| | 1535-1730 | 2 & 0 | | | | | | | | | | | | | х | 79 | | 35 | | | 45 | 107.7-108.1 | 18 | | | | | | | |
| 5/25/2001 | 800-1000 | 2 & 0 | | _ | | 4 | | | | | | | Щ | | х | 74 | _ | 30 | | | 10 | 106.9-107.0 | 18.0-18.5 | 70 | | | | | | |
| | 1000-1400 | 2 & 3 | \vdash | \rightarrow | + | + | - | + | - | + | - | - | Н- | + | Х | 95 | + | 70 | - | | 10 | 107.3-107.8 | 18.5 | _ | | _ | | _ | | |
| 5100 mags | 1400-1700 | 2 & 2 | \vdash | \rightarrow | + | + | _ | | Н- | X | Х | - | ₩ | + | X | 83 | + | 30 | 1 | | 2 | 108.0-108.6 | 20.0-21.0 | 70.7 | | - | | | | |
| 5/26/2001 | 1000-1700 1500-1640 | 1 & 3 | \vdash | \dashv | \pm | + | + | + | \vdash | + | | | ╫ | + | X | 74 95 | + | 30 70 | 1 | | 10 | 106.2-107.0 | 18.5 18.5 | 70.7 | Cyclinder to I | hopper door wa | as bent, maintenance | e came out a | nd swapped | out cylinders |
| 5/28/2001 | 1045-1240 | 3&0 | | - | + | _ | - | + | \vdash | +- | | 1 | 11 | +- | X | 79 | - | 35 | T | | 4 | 108 | 18.5 | 71.6 | | weir gate tripp | | | | -, |
| | 1240-1730 | 4 & 1 | | | | | | | | | | | | | х | 58 | | 55 | | | 30 | 108.0-108.2 | 21 | | | | | | | |
| 5/29/2001 | 1000-1140 | 4 & 1 | \Box | | _[| [| 4 | $\perp \mathbb{I}$ | Ш. | 1 | <u> </u> | | Ш | 4 | Х | 70 | [| 70 | | | 10 | 108.4 | 21 | 71.4 | | | | | | |
| | 1140-1340 | 4 & 1 | \vdash | - | - | - | - | + | Н_ | +- | - | - | Н. | 4 | X | 86 | - | 47 | - | | 7 | 108.5 | 21 | - | | | - | | | |
| 5/30/2001 | 1340-1730 | 4 & 3 | - | - | + | + | - | + | Н— | +- | - | - | Н- | +- | X | 50 79 | + | 70 | + | | 7 10 | 108.1-108.5 | 22 | 71.4 | | - | - | | | |
| ur30/2001 | 1240-1315 | 4 & 1 | +- | -+ | + | + | - | + | \vdash | +- | + | + | ++- | +- | X | 86 | + | 35 | + | | 7 | 108.0-108.4 | 18 21 | /1.4 | - | + | | | | |
| | 1315-1340 | 4&3 | | - | + | $^{+}$ | _ | + | \vdash | +- | | | †† | +- | X | 50 | $^{+}$ | 70 | | | 7 | 108.6 | 21 | 1 | | T | | | | |
| | 1340-1700 | 4 & 3 | | | | | | | | | | | | | х | 40 | | 60 | | | 30 | 108.5-108.6 | 22 | | | | | | | |
| 5/31/2001 | 1000-1220 | None | | | Ţ | 7 | T | | | | | | ш | | Х | 79 | 7 | 35 | | | 10 | 107.2-107.8 | 18 | 69.8 | 'NO UNITS O | ON" | | | | |
| | 1220-1615 | 4 & 1 | \vdash | _ | 4 | + | - | + | 4 | + | - | - | ╙ | + | Х | 70 | + | 70 | - | | 10 | 108.0-108.5 | 21 | + | | - | | | | |
| 6/1/2001 | 1000-1300 1300-1700 | 1 & 3 | - | - | + | + | + | + | ⊢ | +- | | - | Н- | +- | X | 79 70 | + | 35 70 | - | - | 10 | 107.5-107.8 | 18.0-18.5 21.5 | 69.9 | - | | | | | |
| 6/2/2001 | 1000-1500 | 1&3 | +- | -+ | + | + | - | + | \vdash | +- | - | - | ++- | +- | X | 70 | + | 35 | + | - | 10 | 108.1-108.2 | 18.5 | 69.6 | | + | | | | |
| 37272001 | 1500-1700 | 3&1 | \vdash | \dashv | $^{+}$ | $^{+}$ | + | + | \vdash | + | <u> </u> | 1 | H | + | x | 70 | $^{+}$ | 70 | 1 | | 10 | 108.9 | 21 | 00.0 | | | | | | |
| 6/3/2001 | 1000-1700 | 1 & 3 | | _ | 7 | + | _ | \Box | | 1 | T- | 1 | Ħ | 1 | х | 79 | - | 35 | | | 10 | 106.9-108.0 | 17.5 | 72.5 | Trash rack 'A | A" tripped | | | | |
| 6/4/2001 | 1030-1125 | 1 & 0 | | | | | | | | | | | | | х | 75 | | 35 | | | 20 | 107.3-107.6 | 18 | 70.7 | | | | | | |
| | 1125-1500 | 4 & 1 | \perp | | _[| | \perp | $\perp \mathbb{I}$ | | | | ļ | Ш | 4 | Х | 84 | | 70 | | | 10 | 107.9-108.2 | 20 | 1 | | | | | | |
| 6/6/2001 | 1030-1210 | 4 & 0 | | - | - | - | - | + | Н. | +- | - | - | Н. | +- | X | 84 | - | 70 | - | | 10 | 107.8-108.2 | 20 | 70 | | | - | | | |
| | 1210-1345 | 4 & 2 | | | L | | | | Ц_ | | | 1 | ш | _ | х | 70 | | 70 | | | 10 | 108.2-108.4 | 21 | | L | 1 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-----------|-------------|-----------------------|---------------------|-----------|-------------|-----------------------|---------------------|
| 1/10/2000 | 1 | 0.00 | 24.00 | 5/10/2000 | 1 | 0.00 | 24.00 |
| | 2 | 0.00 | 24.00 | | 2 | 12.45 | 18.10 |
| | 3 | 0.00 | 24.00 | | 3 | 12.45 | |
| | 4 | 0.00 | 24.00 | | 4 | 12.45 | 21.50 |
| | 5 | 0.00 | 24.00 | | 5 | 12.05 | 18.10 |
| | 6 | 0.00 | 24.00 | | 6 | 12.05 | 18.10 |
| | 7 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 8 | 0.00 | 24.00 | | 8 | 12.00 | 18.10 |
| | 9 | 0.00 | 24.00 | | 9 | 12.00 | 18.10 |
| | 10 | 0.00 | 24.00 | | 10 | 12.45 | 18.10 |
| | 11 | 0.00 | 24.00 | | 11 | 12.00 | 18.10 |
| 4/11/2000 | 1 | 0.00 | 24.00 | 5/11/2000 | 1 | 0.00 | |
| | 2 | 0.00 | 24.00 | | | | NA |
| | 3 | 0.00 | 24.00 | | 3 | 10.05 | 10.20 |
| | 4 | 0.00 | 24.00 | | 4 | 10.05 | 10.25 |
| | 5 | 0.00 | 24.00 | | 4 | 21.45 | |
| | 6 | 0.00 | 24.00 | | 5 | 10.20 | |
| | 7 | 0.00 | 24.00 | | 5 | 20.15 | |
| | 8 | 0.00 | 24.00 | | 6 | 10.25 | 15.55 |
| | 9 | 0.00 | 24.00 | | 6 | 20.15 | |
| | 10 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 11 | 0.00 | 24.00 | | 8 | 10.05 | 11.25 |
| 4/12/2000 | 4 | 0.00 | 24.00 | | 8 | 13.35 20.20 | |
| 4/12/2000 | 2 | 0.00 | 24.00 | | 8 | 10.05 | |
| | 3 | 0.00 | 24.00 | | 9 | 20.20 | 15.55 21.30 |
| | 4 | 0.00 | 24.00 | | 10 | 9.20 | 10.00 |
| | 5 | 0.00 | 24.00 | | 10 | 11.25 | |
| | 6 | 0.00 | 24.00 | | 10 | 20.25 | |
| | 7 | 0.00 | 24.00 | | 11 | 10.05 | 15.55 |
| | 8 | 0.00 | 24.00 | | | 10.00 | 10.00 |
| | 9 | 0.00 | 24.00 | 5/12/2000 | 1 | NA | NA |
| | 10 | 0.00 | 24.00 | 3/12/2000 | 2 | 11.50 | 18.20 |
| | 11 | 0.00 | 24.00 | | 2 | 20.30 | |
| | | 0.00 | 200 | | 3 | | |
| 4/13/2000 | 1 | 0.00 | 24.00 | | 3 | 14.50 | |
| | 2 | 0.00 | 24.00 | | 3 | 20.25 | |
| | 3 | 0.00 | 24.00 | | 4 | 0.00 | |
| | 4 | 0.00 | 24.00 | | 4 | 14.50 | |
| | 5 | 0.00 | 24.00 | | 5 | 11.10 | |
| | 6 | 0.00 | 24.00 | | 6 | 11.10 | |
| | 7 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 8 | 0.00 | 24.00 | | 8 | 13.25 | 18.20 |
| | 9 | 0.00 | 24.00 | | 8 | 20.30 | |
| | 10 | 0.00 | 24.00 | | 9 | 11.10 | |
| | 11 | 0.00 | 24.00 | | 9 | | |
| | | | | | | | NA |
| 4/14/2000 | 1 | 0.00 | 24.00 | | 11 | 11.10 | |
| | 2 | 0.00 | 24.00 | | 11 | 20.30 | 21.30 |
| | 3 | 0.00 | 24.00 | -1 | | NIA. | 110 |
| | 4 | 0.00 | 24.00 | 5/13/2000 | | NA | NA |
| | 5 | 0.00 | 24.00 24.00 | | | NA NA | NA NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbir | ne End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|--------|--------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | | me |
| Date | 7 | 0.00 | 24.00 | Date | 4 | | | 24.00 |
| | 8 | 0.00 | 24.00 | | 5 | 9.05 | | 23.30 |
| | 9 | 0.00 | 24.00 | | 6 | | | 23.30 |
| | 10 | 0.00 | 24.00 | | 7 | 0.00 | | 24.00 |
| | 11 | 0.00 | 24.00 | | 8 | | | 23.30 |
| | | 0.00 | 24.00 | | 9 | | | 22.50 |
| 4/15/2000 | 1 | 0.00 | 24.00 | | | | NA | 22.00 |
| 4/10/2000 | 2 | 0.00 | 24.00 | | 11 | 10.25 | 14/1 | 22.50 |
| | 3 | 0.00 | 3.15 | | | 10.23 | | 22.00 |
| | 4 | 0.00 | 3.15 | 5/14/2000 | 1 | NA | NA | |
| | 5 | 0.00 | 24.00 | 3/14/2000 | 2 | | INA | 24.00 |
| | | | 24.00 | | 3 | | | |
| | 6 | 0.00 | | | | | | 24.00 |
| | 7 | 0.00 | 3.15 | | 4 | 0.00 | | 24.00 |
| | 8 | 0.00 | 24.00 | | 5 | | | 24.00 |
| | 9 | 0.00 | 24.00 | | 6 | | | 24.00 |
| | 10 | 0.00 | 24.00 | | 7 | 0.00 | | 24.00 |
| | 11 | 0.00 | 24.00 | | 8 | | | 23.50 |
| | | | | | 9 | | | 23.50 |
| 4/16/2000 | 1 | 0.00 | 1.45 | | | | NA | |
| | 1 | 9.45 | 24.00 | | 11 | 10.15 | | 24.00 |
| | 2 | 0.00 | 1.45 | | | | | |
| | 2 | 9.45 | 24.00 | 5/15/2000 | | NA | NA | |
| | 3 | 0.00 | 0.05 | | 2 | 0.00 | | 0.35 |
| | 3 | 8.00 | 24.00 | | 2 | | | 24.00 |
| | 4 | 0.00 | 0.05 | | 3 | 0.00 | | 0.35 |
| | 4 | 8.00 | 24.00 | | 3 | 6.55 | | 24.00 |
| | 5 | 0.00 | 24.00 | | 4 | 0.00 | | 24.00 |
| | 6 | 0.00 | 24.00 | | 5 | 0.00 | | 2.45 |
| | 7 | 0.00 | 0.05 | | 5 | 6.25 | | 24.00 |
| | 7 | 8.00 | 24.00 | | 6 | 0.00 | | 2.45 |
| | 8 | 0.00 | 1.40 | | 6 | 6.25 | | 24.00 |
| | 8 | 9.45 | 24.00 | | 7 | 0.00 | | 24.00 |
| | 9 | 0.00 | 1.40 | | 8 | | | 24.00 |
| | 9 | 8.00 | 24.00 | | 9 | | | 24.00 |
| | 10 | 0.00 | 24.00 | | | | NA | |
| | 11 | 0.00 | 1.40 | | 11 | 0.00 | | 0.35 |
| | 11 | 8.00 | 24.00 | | 11 | 6.55 | | 24.00 |
| | | 0.00 | 21.00 | | | 0.00 | | 2 1.00 |
| 4/17/2000 | 1 | 0.00 | 24.00 | 5/16/2000 | 1 | NA | NA | |
| 171772000 | 2 | 0.00 | 24.00 | 3,13,2333 | 2 | | | 19.15 |
| | 3 | 0.00 | 3.00 | | 3 | | | 0.45 |
| | 3 | 6.15 | 24.00 | | 3 | | | 24.00 |
| | 4 | 0.00 | 3.00 | | 4 | | | 0.45 |
| | 4 | 6.15 | 24.00 | | 4 | | | 24.00 |
| | 5 | 0.00 | 24.00 | | 5 | | | 24.00 |
| | | | | | | | | |
| | 6 | 0.00 | 24.00 | | 6 | | | 24.00 |
| | 7 | 0.00 | 2.55 | | 7 | 0.00 | | 24.00 |
| | 7 | 6.15 | 24.00 | | 8 | | | 0.55 |
| | 8 | 0.00 | 2.45 | | 8 | | | 24.00 |
| | 8 | 6.15 | 24.00 | | 9 | | | 24.00 |
| | 9 | 0.00 | 24.00 | | | | NA | |
| | 10 | 0.00 | 24.00 | | 11 | 0.00 | | 1.00 |
| | 11 | 0.00 | 2.45 | | 11 | 6.30 | | 24.00 |
| | 11 | 6.15 | 24.00 | | | | | |
| | | | | 5/17/2000 | | | NA | |
| 4/18/2000 | 1 | 0.00 | 3.50 | | 2 | | | 24.00 |
| | 1 | 6.15 | 24.00 | | 3 | 0.00 | | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbin | e Fnd |
|-----------|-------------|---------------|----------------|-----------|-------------|---------------|--------|-------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Tir | |
| Buto | 2 | 0.00 | 3.50 | Bato | 4 | | | 24.00 |
| | 2 | 6.15 | 24.00 | | 5 | 0.00 | | 24.00 |
| | 3 | 0.00 | 2.35 | | 6 | 0.00 | | 24.00 |
| | 3 | 6.15 | 24.00 | | 7 | 0.00 | | 24.00 |
| | 4 | 0.00 | 2.35 | | 8 | | | 24.00 |
| | 4 | 6.15 | 24.00 | | 9 | | | 24.00 |
| | 5 | 0.00 | | | | NA | NA | 24.00 |
| | | | 24.00 24.00 | | 10 | 0.00 | | 24.00 |
| | 6 | 0.00 | | | 1.1 | 0.00 | | 24.00 |
| | 7 | 0.00 | 2.35 | 5/40/0000 | _ | N.1.0 | | |
| | 7 | 6.20 | 24.00 | 5/18/2000 | | NA | NA | |
| | 8 | 0.00 | 3.50 | | 2 | 0.00 | | 10.45 |
| | 8 | 6.20 | 24.00 | | 3 | | | 24.00 |
| | 9 | 0.00 | 2.30 | | 4 | 0.00 | | 24.00 |
| | 9 | 6.20 | 24.00 | | 5 | | | 24.00 |
| | 10 | 0.00 | 2.30 | | 6 | | | 24.00 |
| | 10 | 6.20 | 24.00 | | 7 | 0.00 | | 24.00 |
| | 11 | 0.00 | 3.50 | | 8 | 0.00 | | 24.00 |
| | 11 | 6.20 | 24.00 | | 9 | 0.00 | | 24.00 |
| | | | | | 10 | NA | NA | |
| 4/19/2000 | 1 | 0.00 | 0.25 | | 11 | 0.00 | | 24.00 |
| | 1 | 4.45 | 24.00 | | | | | |
| | 2 | 0.00 | 24.00 | 5/19/2000 | 1 | NA | NA | |
| | 3 | 0.00 | 4.45 | 6/16/2000 | | NA | NA | |
| | 3 | 6.20 | 24.00 | | 3 | 0.00 | 14/3 | 1.30 |
| | 4 | 0.00 | 0.25 | | 3 | | | 7.25 |
| | 4 | 6.20 | 24.00 | | 3 | | | 9.20 |
| | | | | | | | | |
| | 5 | 0.00 | 24.00 | | 4 | 0.00 | | 24.00 |
| | 6 | 0.00 | 24.00 | | 5 | 0.00 | | 24.00 |
| | 7 | 0.00 | 0.25 | | 6 | 0.00 | | 24.00 |
| | 7 | 6.20 | 24.00 | | 7 | 0.00 | | 24.00 |
| | 8 | 0.00 | 24.00 | | 8 | 0.00 | | 1.30 |
| | 9 | 0.00 | 24.00 | | 8 | | | 24.00 |
| | 10 | 0.00 | 24.00 | | 9 | 0.00 | | 24.00 |
| | 11 | 0.00 | 0.25 | | 10 | 5.40 | | 24.00 |
| | 11 | 6.20 | 24.00 | | 11 | 0.00 | | 1.30 |
| | | | | | 11 | 5.40 | | 13.45 |
| 4/20/2000 | 1 | 0.00 | 24.00 | | | | | |
| | 2 | 0.00 | 24.00 | 5/20/2000 | 1 | NA | NA | |
| | 3 | 0.00 | 24.00 | | 2 | NA | NA | |
| | 4 | 0.00 | 24.00 | | | NA | NA | |
| | 5 | 0.00 | 24.00 | | 4 | | | 0.45 |
| | 6 | 0.00 | 24.00 | | 4 | | | 24.00 |
| | 7 | 0.00 | 24.00 | | 5 | | | 0.45 |
| | 8 | 0.00 | 24.00 | | 5 | | | 24.00 |
| | 9 | 0.00 | | | 6 | | | |
| | | | 24.00 | | | | | 0.45 |
| | 10 | 0.00 | 24.00 | | 6 | | | 24.00 |
| | 11 | 0.00 | 24.00 | | 7 | 0.00 | | 0.45 |
| 4.15 | | | | | 7 | | | 24.00 |
| 4/21/2000 | 1 | 0.00 | 24.00 | | 8 | | | 0.45 |
| | 2 | 0.00 | 24.00 | | 8 | | | 24.00 |
| | 3 | 0.00 | 24.00 | | 9 | | | 0.45 |
| | 4 | 0.00 | 24.00 | | 9 | 7.15 | L | 24.00 |
| | 5 | 0.00 | 24.00 | | 10 | 0.00 | | 24.00 |
| | 6 | 0.00 | 24.00 | | 11 | 7.30 | | 24.00 |
| | 7 | 0.00 | 24.00 | | | | | |
| | 8 | 0.00 | 24.00 | 5/21/2000 | 1 | NA | NA | |
| | 9 | 0.00 | 24.00 | | 2 | | | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 0.00 | 24.00 | | 3 | 19.30 | 24.00 |
| | 11 | 0.00 | 24.00 | | 4 | | 1.00 |
| | | 0.00 | | | 5 | 0.00 | 0.25 |
| 4/22/2000 | 1 | 0.00 | 24.00 | | 5 | 7.20 | 24.00 |
| .,, _ 0 0 0 | 2 | 0.00 | 24.00 | | 6 | 0.00 | 0.25 |
| | 3 | 0.00 | 24.00 | | 6 | 8.05 | 24.00 |
| | 4 | 0.00 | 24.00 | | 7 | 0.00 | 1.00 |
| | 5 | 0.00 | 24.00 | | 7 | 8.05 | 24.00 |
| | 6 | 0.00 | 24.00 | | 8 | | 0.25 |
| | 7 | 0.00 | 24.00 | | 8 | | 24.00 |
| | 8 | 0.00 | 24.00 | | 9 | 0.00 | 0.25 |
| | 9 | | | | 9 | | |
| | | 0.00 | 24.00 | | | 9.30 | 24.00 |
| | 10 | 0.00 | 24.00 | | 10 | 0.00 | 24.00 |
| | 11 | 0.00 | 24.00 | | 11 | 0.00 | 0.25 |
| . / | | | 0.4.00 | | 11 | 9.30 | 24.00 |
| 4/23/2000 | 1 | 0.00 | 24.00 | = (0.0 /0.0 0 | | | |
| | 2 | 0.00 | 24.00 | 5/22/2000 | | NA | NA |
| | 3 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | 3 | | 24.00 |
| | 5 | 0.00 | 24.00 | | 4 | | 24.00 |
| | 6 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 8 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 9 | 0.00 | 24.00 | | 8 | 0.00 | 24.00 |
| | 10 | 0.00 | 24.00 | | 9 | 0.00 | 24.00 |
| | 11 | 0.00 | 24.00 | | 10 | 0.00 | 24.00 |
| | | | | | 11 | 0.00 | 24.00 |
| 4/24/2000 | 1 | 0.00 | 24.00 | | | | |
| | 2 | 0.00 | 24.00 | 5/23/2000 | 1 | NA | NA |
| | 3 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | 3 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 8 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 9 | 0.00 | 24.00 | | 8 | | 24.00 |
| | 10 | 0.00 | 24.00 | | 9 | 0.00 | 24.00 |
| | 11 | 0.00 | 24.00 | | 10 | 0.00 | 24.00 |
| | | 0.00 | 24.00 | | 11 | | |
| 4/25/2000 | 1 | 0.00 | 24.00 | | | 0.00 | 24.00 |
| 4/23/2000 | 2 | 0.00 | 24.00 | 5/24/2000 | 1 | NA | NA |
| | 3 | 0.00 | 24.00 | 3/24/2000 | | | 24.00 |
| | 4 | 0.00 | | | 3 | 0.00 | 7.3 |
| | | | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | | 3 | | 24.00 |
| | 6 | 0.00 | 24.00 | | 4 | | 7.3 |
| | 7 | 0.00 | 24.00 | | 4 | | 24.00 |
| | 8 | 0.00 | 24.00 | | 5 | | 24.00 |
| | 9 | 0.00 | 24.00 | | 6 | | 24.00 |
| | 10 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 11 | 0.00 | 24.00 | | 8 | | 8.0 |
| | | | | | 8 | | 24.0 |
| 4/26/2000 | 1 | 0.00 | 24.00 | | 9 | | 8.0 |
| | 2 | 0.00 | 24.00 | | 9 | | 24.0 |
| | 3 | 0.00 | 24.00 | | 10 | 0.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | 11 | 0.00 | 7.5 |
| | 5 | 0.00 | 24.00 | | 11 | 10.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | | | |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 7 | 0.00 | 24.00 | 5/25/2000 | | NA | NA |
| | 8 | 0.00 | 24.00 | 5/25/2555 | 2 | | |
| | 9 | 0.00 | 24.00 | | 2 | | |
| | 10 | 0.00 | 24.00 | | 3 | | |
| | 11 | 0.00 | 24.00 | | 4 | 0.00 | |
| | | 0.00 | 24.00 | | 5 | 0.00 | |
| 4/27/2000 | 1 | 0.00 | 24.00 | | 6 | 0.00 | |
| 4/21/2000 | 2 | 0.00 | 24.00 | | 7 | 0.00 | |
| | 3 | 0.00 | 24.00 | | 8 | 0.00 | |
| | 4 | | | | 9 | | |
| | | 0.00 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | | 10 | 0.00 | |
| | 6 | 0.00 | 24.00 | | 11 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | 5/00/0000 | | N. A. | |
| | 8 | 0.00 | 24.00 | 5/26/2000 | | NA | NA |
| | 9 | 0.00 | 24.00 | | 2 | | |
| | 10 | 0.00 | 24.00 | | 3 | | |
| | 11 | 0.00 | 24.00 | | 4 | | |
| | | | | | 5 | | |
| 4/28/2000 | 1 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 2 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 3 | 0.00 | 24.00 | | 8 | 0.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | 9 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 10 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 11 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 0.00 | 24.00 | 5/27/2000 | 1 | NA | NA |
| | 9 | 0.00 | 24.00 | | 2 | | 24.00 |
| | 10 | 0.00 | 24.00 | | 3 | | |
| | 11 | 0.00 | 24.00 | | 4 | | |
| | | | | | 5 | 0.00 | 24.00 |
| 4/29/2000 | 1 | 0.00 | 24.00 | | 6 | 0.00 | |
| .,_0,_00 | 2 | 0.00 | 24.00 | | 7 | 0.00 | |
| | 3 | 0.00 | 2.10 | | 8 | 0.00 | |
| | 3 | 7.15 | 24.00 | | 9 | 0.00 | |
| | 4 | 0.00 | 2.10 | | 10 | 0.00 | |
| | 4 | 7.15 | 24.00 | | 11 | 0.00 | |
| | 5 | 0.00 | 24.00 | | 11 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | 5/28/2000 | 1 | NA | NA |
| | 7 | 0.00 | 2.10 | 3/28/2000 | 2 | | |
| | 7 | 7.15 | 24.00 | | 3 | | |
| | | | 24.00 | | | | |
| | 8 | 0.00 | | | 4 | 0.00 | |
| | 8 | 7.10 | 24.00 | | 5 | | |
| | 9 | 0.00 | 2.15 | | 6 | | |
| | 9 | 7.10 | 24.00 | | 7 | 0.00 | |
| | 10 | 0.00 | 24.00 | | 8 | | |
| | 11 | 0.00 | 2.25 | | 9 | | |
| | 11 | 7.10 | 24.00 | | 10 | 0.00 | |
| | | | | | 11 | 0.00 | 24.00 |
| 4/30/2000 | 1 | 0.00 | 23.40 | | | | |
| | 2 | 0.00 | 23.40 | 5/29/2000 | | NA | NA |
| | 3 | 0.00 | 0.50 | | 2 | | |
| | 3 | 19.45 | 24.00 | | 3 | 0.00 | 24.00 |
| | 4 | 0.00 | 0.50 | | 4 | 0.00 | 24.00 |
| | 4 | 19.45 | 24.00 | | 5 | | 24.00 |
| | 5 | 0.00 | 24.00 | | 6 | | |
| | 6 | 0.00 | 24.00 | | 7 | 0.00 | |
| | 7 | 0.00 | 0.50 | | 8 | | |

| _ | | Turbine Start | | _ | | | Turbine End |
|-----------|-------------|---------------|-------|-----------|-------------|------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 7 | 19.45 | 23.40 | | 9 | 0.00 | |
| | 8 | 0.00 | 2.45 | | 10 | | |
| | 8 | 11.05 | 24.00 | | 11 | 0.00 | 24.00 |
| | 9 | 0.00 | 0.50 | | | | |
| | 9 | 10.15 | 24.00 | 5/30/2000 | 1 | NA | NA |
| | 10 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 11 | 0.00 | 2.45 | | 3 | 0.00 | 24.00 |
| | 11 | 10.15 | 24.00 | | 4 | 0.00 | 24.00 |
| | | | | | 5 | 0.00 | 24.00 |
| 5/1/2000 | 1 | 8.10 | 12.15 | | 6 | 0.00 | |
| 0, 1,2000 | 2 | 6.50 | 24.00 | | 7 | 0.00 | |
| | 3 | 0.00 | 24.00 | | 8 | 0.00 | |
| | 4 | 0.00 | 24.00 | | 9 | | |
| | | | | | | | |
| | 5 | 0.00 | 24.00 | | 10 | | |
| | 6 | 0.00 | 1.30 | | 11 | 0.00 | 24.00 |
| | 6 | 12.10 | 24.00 | | | | |
| | 7 | 1.30 | 24.00 | 5/31/2000 | | NA | NA |
| | 8 | 0.00 | 0.25 | | 2 | 0.00 | 2.15 |
| | 8 | 6.40 | 24.00 | | 2 | 6.25 | 24.00 |
| | 9 | 0.00 | 0.25 | | 3 | 0.00 | 2.0 |
| | 9 | 6.40 | 24.00 | | 3 | 6.25 | 14.10 |
| | 10 | 0.00 | 24.00 | | 3 | | |
| | 11 | 0.00 | 0.25 | | 4 | 0.00 | |
| | 11 | 6.45 | 24.00 | | 4 | | |
| | | 0.40 | 24.00 | | 5 | | |
| E/2/2000 | 1 | 10 FF | 24.00 | | 5 | | |
| 5/2/2000 | 1 | 19.55 | 24.00 | | | | |
| | 2 | 0.00 | 1.30 | | 6 | 0.00 | |
| | 2 | 19.55 | 24.00 | | 6 | 6.25 | |
| | 3 | 0.00 | 24.00 | | 7 | 0.00 | |
| | 4 | 0.00 | 24.00 | | 7 | 6.25 | |
| | 5 | 0.00 | 1.30 | | 8 | | |
| | 6 | 0.00 | 24.00 | | 8 | 6.25 | 24.00 |
| | 7 | 0.00 | 24.00 | | 9 | 0.00 | 2.15 |
| | 8 | 0.00 | 1.30 | | 9 | 6.25 | 24.00 |
| | 8 | 7.00 | 23.00 | | 10 | 0.00 | 24.00 |
| | 9 | 0.00 | 0.10 | | 11 | 0.00 | 2.05 |
| | 9 | 6.35 | 23.00 | | 11 | 6.25 | |
| | 10 | 0.00 | 0.10 | | | | |
| | 10 | 6.35 | 24.00 | 6/1/2000 | 1 | NA | NA |
| | 11 | 0.00 | 1.30 | 0/1/2000 | 2 | | |
| | | | 24.00 | | 2 | | |
| | 11 | 7.00 | 24.00 | | | | |
| E/0/0000 | 4 | 0.00 | 0.45 | | 3 | | |
| 5/3/2000 | 1 | 0.00 | 0.15 | | 3 | | |
| | 1 | 0.55 | 1.20 | | 3 | | |
| | 2 | 0.00 | 0.15 | | 4 | | |
| | 2 | 19.45 | 23.00 | | 4 | | |
| | 3 | 0.00 | 11.15 | | 4 | | |
| | 3 | 19.35 | 23.00 | | 5 | | |
| | 4 | 0.00 | 24.00 | | 6 | | 2.3 |
| | 5 | 5.20 | 23.25 | | 6 | 6.25 | 24.0 |
| | 6 | 5.20 | 23.25 | | 7 | 0.00 | |
| | 7 | 0.00 | 0.25 | | 7 | 6.25 | |
| | 7 | 11.15 | 24.00 | | 8 | | |
| | 8 | 5.40 | 23.00 | | 8 | | |
| | | | | | | | |
| | 9 | 5.40 | 23.00 | | 9 | | |
| | 10 | 0.00 | 0.15 | | 9 | | |
| | 10 | 5.40 | 11.05 | | 10 | 0.00 | 2.3 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|------------|-------------|---------------|-------------|--------------------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 11.10 | 23.00 | | 10 | 6.30 | 24.0 |
| | 11 | 5.40 | 23.00 | | 11 | 0.00 | 1.0 |
| | | | | | 11 | 6.30 | 23.5 |
| 5/4/2000 | 1 | NA | NA | | | | |
| 0, 1, 2000 | 2 | 19.05 | 23.20 | 6/2/2000 | 1 | NA | NA |
| | 3 | 19.05 | 23.20 | 9,2,2000 | 2 | 0.00 | 24.0 |
| | 4 | 0.00 | 24.00 | | 3 | 0.00 | 1.0 |
| | 5 | 5.15 | 22.15 | | 3 | 2.05 | 8.2 |
| | 6 | 5.15 | 22.15 | | 3 | 8.55 | |
| | 7 | 0.00 | 24.00 | | 4 | 8.20 | 24.0 |
| | 8 | 7.00 | 22.10 | | 5 | 0.00 | 0.2 |
| | 9 | 7.00 | 22.10 | | <u> </u> | 7.25 | |
| | - | | | | | | 23.1 |
| | 10 | 7.05 | 13.10 | | 6 | 0.00 | 0.2 |
| | 10 | 19.05 | 22.10 | | 6 | 7.25 | 24.0 |
| | 11 | 7.05 | 13.10 | | 7 | 8.55 | 11.0 |
| | 11 | 19.05 | 22.10 | | 7 | 14.00 | 22.3 |
| | | | | | 8 | 8.55 | 22.3 |
| 5/5/2000 | 1 | NA | NA | | 9 | 8.55 | 23.1 |
| | 2 | NA | NA | | 10 | 0.00 | 0.2 |
| | 3 | NA | NA | | 10 | 8.55 | |
| | 4 | 0.00 | 24.00 | | 11 | 8.55 | 23.1 |
| | 5 | 5.20 | 22.00 | | | | |
| | 6 | 5.20 | 22.00 | 6/3/2000 | | NA | NA |
| | 7 | 0.00 | 24.00 | | 2 | 0.00 | 24.0 |
| | 8 | 5.40 | 11.20 | | 3 | NA | NA |
| | 8 | 16.10 | 22.00 | | 4 | 10.10 | 22.0 |
| | 9 | 5.40 | 11.10 | | 5 | 9.45 | 23.0 |
| | 9 | 16.10 | 22.05 | | 6 | 9.45 | 23.0 |
| | 10 | 6.15 | 22.00 | | 7 | NA | NA |
| | 11 | 6.15 | 11.20 | | 8 | 10.10 | 22.0 |
| | 11 | 16.10 | 20.35 | | 9 | 11.20 | 22.0 |
| | | | | | 10 | 11.20 | 23.0 |
| 5/6/2000 | 1 | NA | NA | | 11 | 16.00 | 18.0 |
| | 2 | NA | NA | | | | |
| | 3 | NA | NA | 6/4/2000 | 1 | NA | NA |
| | 4 | 0.00 | 24.00 | <i>3, 11, 2000</i> | 2 | | |
| | 5 | 12.10 | 24.00 | | | NA | NA |
| | 6 | 12.10 | 24.00 | | 4 | | |
| | 7 | 0.00 | 24.00 | | 5 | 10.00 | |
| | 8 | 13.05 | 22.15 | | 6 | 10.00 | 23.1 |
| | 9 | 13.05 | 21.45 | | 7 | 10.05 | 23.1 |
| | 10 | 13.05 | 21.40 | | 8 | 20.25 | |
| | 11 | 13.05 | 24.00 | | 9 | 10.05 | |
| | 1.1 | 13.03 | 24.00 | | 10 | | |
| F/7/0040 | 4 | 40.00 | 40.05 | | | | |
| 5/7/2010 | 1 | 12.30 | 13.05 | | 11 | 13.50 | 23.0 |
| | 2 | 12.30 | 13.05 | 0/5/0000 | | NIA | NIA |
| | 3 | 12.20 | 13.05 | 6/5/2000 | | NA 7.40 | NA |
| | 3 | 20.25 | 20.56 | | 2 | | |
| | 4 | 0.00 | 24.00 | | | NA | NA |
| | 5 | 0.00 | 0.10 | | 4 | 0.00 | |
| | 5 | 12.10 | 21.40 | | 5 | | |
| | 6 | 0.00 | 0.10 | | 6 | | |
| | 6 | 12.10 | 21.40 | | | NA | NA |
| | 7 | 0.00 | 24.00 | | 8 | | |
| | 8 | 12.25 | 18.50 | | 9 | | |
| | 9 | 12.25 | 18.45 | | 10 | NA | NA |
| | 9 | 20.10 | 21.30 | | 11 | 7.10 | 22.2 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|----------|-------------|---------------|-------------|----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 12.10 | 18.45 | | | | |
| | 10 | 20.10 | 21.30 | 6/6/2000 | 1 | NA | NA |
| | 11 | 0.00 | 0.10 | | 2 | 0.00 | 23.20 |
| | 11 | 12.25 | 18.50 | | 3 | 19.05 | |
| | 11 | 20.10 | 21.30 | | 4 | 9.20 | 24.00 |
| | | | | | 5 | 9.20 | 23.20 |
| 5/8/2000 | 1 | 0.00 | 13.10 | | 6 | 9.20 | |
| | 2 | 0.00 | 13.10 | | 7 | 19.05 | 22.35 |
| | 3 | 0.00 | 10.40 | | 8 | 9.20 | 23.00 |
| | 4 | NA | NA | | 9 | 14.00 | 23.00 |
| | 5 | 0.00 | 8.25 | | 10 | 19.10 | 22.35 |
| | 6 | 0.00 | 8.25 | | 11 | 9.20 | 17.00 |
| | 7 | NA | NA | | 11 | 19.10 | 23.00 |
| | 8 | 10.40 | 18.00 | | | | |
| | 9 | 0.00 | 9.25 | 6/7/2000 | 1 | NA | NA |
| | 10 | 0.00 | 8.25 | | 2 | 8.05 | 22.10 |
| | 11 | 0.00 | 9.25 | | 3 | NA | NA |
| | | | | | 4 | 0.00 | 24.00 |
| 5/9/2000 | 1 | 0.00 | 24.00 | | 5 | 8.05 | |
| | 2 | 13.25 | 18.05 | | 6 | 8.05 | 22.10 |
| | 2 | 20.25 | 21.45 | | 7 | NA | NA |
| | 3 | 13.25 | 18.05 | | 8 | 8.05 | 22.00 |
| | 3 | 20.15 | 21.45 | | 9 | 11.00 | |
| | 4 | 13.00 | 21.45 | | | NA | NA |
| | 5 | 11.35 | 18.05 | | 11 | 9.30 | 22.00 |
| | 5 | 20.15 | 22.10 | | | | |
| | 6 | 11.35 | 18.05 | 6/8/2000 | 1 | NA | NA |
| | 6 | 20.15 | 22.10 | | 2 | 19.20 | 24.00 |
| | 7 | 0.00 | 24.00 | | 3 | 7.10 | |
| | 8 | 11.35 | 18.05 | | 4 | 0.00 | |
| | 8 | 20.20 | 21.35 | | 5 | 7.10 | |
| | 9 | 13.00 | 21.30 | | 6 | 7.10 | 24.00 |
| | 10 | 11.45 | 22.10 | | 7 | 8.10 | 23.40 |
| | 11 | 11.45 | 18.05 | | 8 | 7.10 | 23.35 |
| | 11 | 20.20 | 21.35 | | 9 | 8.10 | 23.35 |
| | | | | | 10 | 8.10 | |
| | | | | | 11 | 8.10 | 23.35 |
| | | | | | | | |
| | | | | 6/9/2000 | | NA | NA |
| | | | | | 2 | 0.00 | 0.15 |
| | | | | | 2 | 6.35 | 23.50 |
| | | | | | 3 | 10.50 | 22.05 |
| | | | | | 4 | 0.00 | 22.05 |
| | | | | | 5 | 0.00 | 0.15 |
| | | | | | 5 | 6.35 | 23.50 |
| | | | | | 6 | 0.00 | 0.15 |
| | | | | | 6 | 6.35 | 24.00 |
| | | | | | 7 | 13.25 | 22.05 |
| | | | | | 8 | 10.50 | 22.05 |
| | | | | | 9 | 10.50 | 23.45 |
| | | | | | 10 | 0.00 | 0.30 |
| | | | | | 10 | 6.35 | 23.45 |
| | | | | | 11 | 10.50 | 23.45 |

| | 4/23/2001- | 6/6/2001 | | | | | |
|-----------|-------------|---------------|-------------|-------------|-------------|---------------|-------------|
| | | | | | | | |
| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 4/23/2001 | 1 | NA | NA | 5/15/2001 | 1 | NA | NA |
| | 2 | 0.00 | 24 | | 2 | 0.00 | 23.05 |
| | 3 | 0.00 | 2.25 | | 3 | NA | NA |
| | 3 | 6.45 | 24 | | 4 | NA | NA |
| | 4 | 0.00 | 2.1 | | 5 | 23.05 | 24.00 |
| | 4 | 6.45 | 24 | | 6 | NA | NA |
| | 5 | 0.00 | 24 | | 7 | 0.00 | 24.00 |
| | 6 | 0 | 24 | | 8 | 19.15 | 21.25 |
| | 7 | 0.00 | 24.00 | | 9 | 12.35 | 23.00 |
| | 8 | 0.00 | 2.25 | | 10 | 12.35 | 23.00 |
| | 8 | 6.35 | 24.00 | | 11 | 19.15 | 21.30 |
| | 9 | 0.00 | 2.25 | | | | |
| | 9 | 5.20 | 24.00 | 5/16/2001 | 1 | NA | NA |
| | 10 | 0.00 | 2.10 | | 2 | 15.20 | 24.00 |
| | 10 | 6.40 | 24.00 | | 3 | 15.25 | 24.00 |
| | 11 | 0.00 | 2.25 | | 4 | 20.40 | 21.25 |
| | 11 | 5.20 | 24.00 | | 5 | 0.00 | 22.40 |
| | | | | | 6 | 20.40 | 21.25 |
| 4/24/2001 | 1 | NA | NA | | 7 | 0.00 | 22.40 |
| | 2 | 0.00 | 24.00 | | 8 | 20.35 | 21.35 |
| | 3 | 0.00 | 3.25 | | 9 | 15.30 | 22.40 |
| | 3 | 5.25 | 8.15 | | 10 | 19.50 | 22.40 |
| | 3 | 12.20 | 24.00 | | 11 | 20.35 | 21.40 |
| | 4 | 0.00 | 3.25 | | | | |
| | 4 | 5.30 | 8.15 | 5/17/2001 | 1 | NA | NA |
| | 4 | 12.25 | 24.00 | | 2 | 0.00 | 10.25 |
| | 5 | 0.00 | 24.00 | | 3 | 0.00 | 24.00 |
| | 6 | 0.00 | 8.15 | | 4 | NA | NA |
| | 6 | 12.20 | 24.00 | | 5 | NA | NA |
| | 7 | 0.00 | 24.00 | | 6 | NA | NA |
| | 8 | 0.00 | 24.00 | | 7 | 10.25 | 24.00 |
| | 9 | 0.00 | 3.25 | | 8 | NA | NA |
| | 9 | 5.25 | 24.00 | | 9 | 20.30 | 21.20 |
| | 10 | 0.00 | 3.25 | | 10 | 20.30 | 21.20 |
| | 10 | 5.30 | 24.00 | | 11 | NA | NA |
| | 11 | 0.00 | 3.25 | | | | |
| | 11 | 5.30 | 24.00 | 5/18/2001 | 1 | NA | NA |
| | | | | 3, 13, 2001 | 2 | NA | NA |
| 4/25/2001 | 1 | NA | NA | | 3 | 0.00 | 24.00 |
| | 2 | 0.00 | 24.00 | | 4 | NA | NA |
| | 3 | 0.00 | 24.00 | | 5 | NA | NA |
| | 4 | 0.00 | 1.20 | | 6 | NA | NA |
| | 4 | 6.55 | 24.00 | | 7 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 8 | NA | NA |
| | 6 | 0.00 | 1.20 | | 9 | NA | NA |
| | 6 | 6.55 | 24.00 | | 10 | NA | NA |
| | 7 | 0.00 | 24.00 | | 11 | NA | NA |
| | 8 | 0.00 | 1.20 | | 11 | 14/3 | 14/3 |
| | 8 | 6.30 | 24.00 | 5/19/2001 | 1 | NA | NA |
| | 9 | 0.00 | 24.00 | 3/19/2001 | 2 | 17.05 | 22.00 |
| | 10 | 0.00 | 1.20 | | 3 | 0.00 | 24.00 |
| | 10 | 6.30 | 24.00 | | 4 | NA | 24.00 NA |
| | 11 | 0.00 | 24.00 | | 5 | 17.10 | 22.05 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|----------------------|-------------|-----------|-------------|----------------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | | | | | 6 | 19.40 | 22.00 |
| 4/26/2001 | 1 | NA | NA | | 7 | 0.00 | 24.00 |
| | 2 | 0.00 | 24.00 | | 8 | 19.40 | 21.45 |
| | 3 | 0.00 | 24.00 | | 9 | 17.10 | 21.50 |
| | 4 | 0.00 | 0.35 | | 10 | 17.10 | 21.55 |
| | 4 | 8.15 | 24.00 | | 11 | 18.20 | 21.55 |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 0.00 | 0.35 | 5/20/2001 | 1 | NA | NA |
| | 6 | 8.10 | 24.00 | | 2 | NA | NA |
| | 7 | 0.00 | 24.00 | | 3 | 0.00 | 24.00 |
| | 8 | 0.00 | 1.00 | | 4 | NA | NA |
| | 8 | 7.45 | 24.00 | | 5 | NA | NA |
| | 9 | 0.00 | 24.00 | | 6 | NA | NA |
| | 10 | 0.00 | 0.35 | | 7 | 0.00 | 24.00 |
| | 10 | 0.50 | 24.00 | | 8 | NA | NA |
| | 11 | 0.00 | 0.50 | | 9 | NA | NA |
| | 11 | 7.45 | 24.00 | | 10 | NA | NA |
| | | | | | 11 | NA | NA |
| 4/27/2001 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | 5/21/2001 | 1 | NA | NA |
| | 3 | 0.00 | 1.00 | 5,2,,200 | 2 | NA | NA |
| | 3 | 7.50 | 23.55 | | 3 | 0.00 | 24.00 |
| | 4 | 0.00 | 0.40 | | 4 | NA | NA |
| | 4 | 8.45 | 23.10 | | 5 | NA | NA |
| | 5 | 0.00 | 5.25 | | 6 | NA | NA |
| | 5 | 7.50 | 24.00 | | 7 | 0.00 | 24.00 |
| | 6 | 0.00 | 0.40 | | 8 | NA | NA |
| | 6 | 8.25 | 23.10 | | 9 | NA | NA |
| | 7 | 0.00 | 1.00 | | 10 | NA | NA |
| | 7 | 5.25 | 23.40 | | 11 | NA | NA |
| | 8 | 0.00 | 1.00 | | | 14/3 | INA |
| | 8 | 8.25 | 23.55 | 5/22/2001 | 1 | 14.40 | 15.20 |
| | 9 | 0.00 | 0.30 | 0/22/2001 | 1 | 15.25 | 16.00 |
| | 9 | 8.15 | 23.40 | | 1 | 17.05 | 18.30 |
| | 10 | 0.00 | 0.30 | | 1 | 18.50 | 19.25 |
| | 10 | 7.55 | 23.20 | | 2 | NA | NA |
| | 11 | 0.00 | 0.40 | | 3 | 0.00 | 24.00 |
| | 11 | 8.10 | 23.10 | | 4 | NA | NA |
| | | 0.10 | 20.10 | | 5 | 15.20 | 18.45 |
| 4/28/2001 | 1 | NA | NA | | 5 | 20.05 | 23.30 |
| 4/20/2001 | 2 | 0.00 | 24.00 | | 6 | 15.30 | 18.45 |
| | 3 | 7.45 | 23.15 | | 6 | 20.05 | 23.30 |
| | 4 | | 14.20 | | 7 | 0.00 | 24.00 |
| | 4 | | 21.45 | | 8 | NA | NA |
| | 5 | | 23.35 | | 9 | 15.30 | 18.00 |
| | 6 | | 14.20 | | 9 | 20.25 | 22.20 |
| | 6 | | 21.45 | | 10 | 15.30 | 18.00 |
| | 7 | 7.45 | 24.00 | | 10 | 20.25 | 22.20 |
| | 8 | | 14.20 | | 11 | 20.25 NA | 22.20 NA |
| | 8 | | 23.35 | | 11 | INA | INA |
| | 9 | | | E/02/0004 | 4 | 12 45 | 16 15 |
| | 10 | | 21.45 | 5/23/2001 | 1 | 13.45 | 16.45 |
| | 10 | | 23.35 | | 1 2 | 16.55 | 20.15 NA |
| | 11 | 8.35 | 23.15 | | | NA 0.00 | NA 18.05 |
| 4/00/0004 | 4 | NIA | NI A | | 3 | 0.00 | 18.05 |
| 4/29/2001 | 1 | NA | NA | | 3 | 20.10 | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 3 | 12.25 | 22.40 | | 5 | 20.10 | 22.20 |
| | 4 | 15.40 | 22.25 | | 6 | 20.10 | 22.20 |
| | 5 | 12.25 | 24.00 | | 7 | 0.00 | 24.00 |
| | 6 | 15.40 | 22.25 | | 8 | NA | NA |
| | 7 | 0.00 | 24.00 | | 9 | 20.20 | 22.05 |
| | 8 | 15.40 | 23.00 | | 10 | 20.20 | 22.05 |
| | 9 | 14.00 | 22.40 | | 11 | NA | NA |
| | 10 | 15.15 | 23.00 | | | | |
| | 11 | 12.25 | 14.00 | 5/24/2001 | 1 | 3.00 | 8.50 |
| | 11 | 15.15 | 22.25 | | 2 | 17.20 | 22.30 |
| | | | | | 3 | 0.00 | 3.00 |
| 4/30/2001 | 1 | NA | NA | | 3 | 8.50 | 24.00 |
| | 2 | 10.15 | 22.55 | | 4 | NA | NA |
| | 3 | | 24.00 | | 5 | 17.20 | 22.30 |
| | 4 | | 22.15 | | 6 | NA | NA |
| | 5 | 0.00 | 23.00 | | 7 | 0.00 | 24.00 |
| | 6 | 12.05 | 22.15 | | 8 | NA | NA |
| | 7 | 0.00 | 24.00 | | 9 | 19.55 | 22.00 |
| | 8 | | 23.05 | | 10 | NA | NA |
| | 9 | 11.55 | 22.55 | | 11 | 19.55 | 22.00 |
| | 10 | 12.00 | 23.05 | | | | |
| | 11 | 11.55 | 23.00 | 5/25/2001 | 1 | NA | NA |
| | | | | | 2 | 12.25 | 12.55 |
| 5/1/2001 | 1 | NA | NA | | 3 | 0.00 | 24.00 |
| | 2 | | 21.25 | | 4 | NA | NA |
| | 3 | | 24.00 | | 5 | 12.25 | 12.55 |
| | 4 | | 21.25 | | 6 | NA | NA |
| | 5 | 12.50 | 22.25 | | 7 | 0.00 | 24.00 |
| | 6 | 13.20 | 22.25 | | 8 | NA | NA |
| | 7 | 0.00 | 24.00 | | 9 | 13.45 | 21.25 |
| | 8 | 13.20 | 21.25 | | 10 | 13.45 | 21.25 |
| | 9 | 13.00 | 22.10 | | 11 | NA | NA |
| | 10 | 13.20 | 21.30 | | | | |
| | 11 | 13.00 | 22.10 | 5/26/2001 | 1 | NA | NA |
| | | | | | 2 | NA | NA |
| 5/2/2001 | 1 | NA | NA | | 3 | 0.00 | 24.00 |
| | 2 | | 21.40 | | 4 | NA | NA |
| | 3 | | 24.00 | | 5 | NA | NA |
| | 4 | | 21.40 | | 6 | NA | NA |
| | 5 | | 22.15 | | 7 | 0.00 | 24.00 |
| | 6 | | 22.15 | | 8 | NA | NA |
| | 7 | 0.00 | 24.00 | | 9 | NA | NA |
| | 8 | | 21.40 | | 10 | NA | NA |
| | 9 | | 8.40 | | 11 | NA | NA |
| | 9 | | 9.00 | E 107 1000 4 | | N.I.A | N1 A |
| | 9 | 12.20 | 22.15 | 5/27/2001 | 1 | NA 40.40 | NA 20.50 |
| | 10 | 11.45 | 11.50 | | 2 | 19.10 | 22.50 |
| | 10 | 12.05 | 12.10 | | 3 | 0.00 | 24.00 |
| | 10 | 12.25 | 22.15 | | 4 | NA 10.10 | NA 22.50 |
| | 11 | 12.30 | 22.15 | | 5 | 19.10 | 22.50 |
| E/0/0004 | | NIA | NIA | | 6 | NA 0.00 | NA 24.00 |
| 5/3/2001 | | NA 10.05 | NA | | 7 | 0.00 | 24.00 |
| | 2 | | 21.10 | | 8 | NA 10.20 | NA |
| | 3 | | 24.00 | | 9 | 19.30 | 21.10 |
| | 4 | | 19.55 | | 10 | 19.55 | 22.50 |
| | 5 | 10.00 | 21.10 | | 11 | NA | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|--------------|-------------|----------------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 6 | 12.40 | 19.55 | | | | |
| | 7 | 0.00 | 24.00 | 5/28/2001 | 1 | NA | NA |
| | 8 | 12.35 | 19.55 | | 2 | 12.20 | 21.40 |
| | 9 | 10.10 | 12.10 | | 3 | 0.00 | 24.00 |
| | 10 | 10.10 | 20.05 | | 4 | NA | NA |
| | 11 | 12.35 | 20.05 | | 5 | 12.25 | 21.30 |
| | | | | | 6 | NA | NA |
| 5/4/2001 | 1 | NA | NA | | 7 | 0.00 | 24.00 |
| | 2 | 13.15 | 20.00 | | 8 | NA | NA |
| | 3 | 0.00 | 24.00 | | 9 | | 21.30 |
| | 4 | 13.15 | 19.00 | | 10 | 20.20 | 21.40 |
| | 5 | 12.35 | 20.00 | | 11 | NA | NA |
| | 6 | 12.35 | 19.00 | | | | |
| | 7 | 0.00 | 24.00 | 5/29/2001 | 1 | NA | NA |
| | 8 | 13.30 | 20.00 | 0/20/2001 | 2 | 6.10 | 23.00 |
| | 9 | 12.45 | 19.00 | | 3 | | 24.00 |
| | 10 | 13.25 | 20.00 | | 4 | NA | NA |
| | 11 | 12.45 | 19.00 | | 5 | 6.10 | 23.00 |
| | 11 | 12.40 | 13.00 | | 6 | NA | NA |
| 5/5/2001 | 1 | NA | NA | | 7 | 0.00 | 24.00 |
| 3/3/2001 | 2 | 11.00 | 21.15 | | 8 | NA | NA |
| | 3 | 0.00 | 24.00 | | 9 | 6.10 | 21.50 |
| | 4 | NA | 24.00 NA | | 10 | 13.35 | 17.45 |
| | 5 | 11.00 | 21.15 | | 10 | 20.45 | 23.00 |
| | 6 | NA | NA | | 11 | 13.35 | 17.45 |
| | | 0.00 | 24.00 | | 11 | 13.33 | 17.45 |
| | 7 | | | F/20/2004 | 1 | NIA | NIA |
| | 8 | NA | NA NA | 5/30/2001 | | NA 10.25 | NA 22.25 |
| | 9 | NA NA | NA NA | | 3 | 12.35 | 22.25 |
| | 10 | | | | | 0.00 | 24.00 |
| | 11 | 11.00 | 21.15 | | 4 | NA 10.10 | NA 00.05 |
| 5 /0 /00 0 A | | | | | 5 | 12.40 | 22.25 |
| 5/6/2001 | 1 | NA | NA | | 6 | NA | NA |
| | 2 | NA | NA | | 7 | 0.00 | 24.00 |
| | 3 | 0.00 | 24.00 | | 8 | NA | NA |
| | 4 | NA | NA | | 9 | 13.15 | 22.25 |
| | 5 | NA | NA | | 10 | 12.40 | 21.40 |
| | 6 | NA | NA | | 11 | 13.15 | 21.40 |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | | NA | 5/31/2001 | | NA | NA |
| | 9 | | NA | | 2 | NA | NA |
| | 10 | NA | NA | | 3 | 0.00 | 9.10 |
| | 11 | NA | NA | | 3 | | 22.50 |
| | | | | | 4 | | 24.00 |
| 5/7/2001 | 1 | NA | NA | | 5 | 12.35 | 22.50 |
| | 2 | 12.15 | 24.00 | | 6 | NA | NA |
| | 3 | 0.00 | 22.35 | | 7 | 0.00 | 24.00 |
| | 4 | NA | NA | | 8 | NA | NA |
| | 5 | 12.20 | 22.35 | | 9 | 19.50 | 22.50 |
| | 6 | NA | NA | | 10 | 12.35 | 22.00 |
| | 7 | 0.00 | 24.00 | | 11 | 19.50 | 22.00 |
| | 8 | 16.25 | 18.30 | | | | |
| | 8 | 21.15 | 22.15 | 6/1/2001 | 1 | NA | NA |
| | 9 | 16.25 | 18.30 | | 2 | NA | NA |
| | 9 | 21.15 | 22.10 | | 3 | 12.50 | 22.25 |
| | 10 | 12.20 | 18.30 | | 4 | 0.00 | 24.00 |
| | 10 | 21.15 | 22.15 | | 5 | 12.50 | 22.20 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 11 | 12.20 | 22.35 | | 6 | NA | NA |
| | | | | | 7 | 12.50 | 22.25 |
| 5/8/2001 | 1 | NA | NA | | 8 | NA | NA |
| | 2 | 0.00 | 16.55 | | 9 | 20.25 | 22.20 |
| | 2 | 19.05 | 21.50 | | 10 | 20.25 | 22.15 |
| | 3 | 16.00 | 24.00 | | 11 | 12.50 | 22.25 |
| | 4 | 19.05 | 21.50 | | | | |
| | 5 | 16.00 | 23.15 | 6/2/2001 | 1 | NA | NA |
| | 6 | 16.55 | 22.55 | 0,2,200 | 2 | NA | NA |
| | 7 | 0.00 | 24.00 | | 3 | 15.05 | 24.00 |
| | 8 | 19.10 | 22.55 | | 4 | 0.00 | 24.00 |
| | 9 | 19.05 | 21.50 | | 5 | 15.05 | 24.00 |
| | 10 | 16.00 | 21.50 | | 6 | NA | NA |
| | 11 | 19.05 | 21.50 | | 7 | 15.10 | 24.00 |
| | | 10.00 | 21.00 | | 8 | NA | NA |
| 5/9/2001 | 1 | NA | NA | | 9 | 20.45 | 22.40 |
| 3/3/2001 | 2 | 16.00 | 22.05 | | 10 | NA | NA |
| | 3 | 0.00 | 24.00 | | 11 | 15.10 | 24.00 |
| | 4 | 20.25 | 21.20 | + | 11 | 13.10 | 24.00 |
| | 5 | 7.45 | 22.05 | 6/3/2001 | 1 | NA | NA |
| | 6 | 15.40 | 16.00 | 6/3/2001 | 2 | NA NA | NA NA |
| | 6 | 20.25 | 21.20 | + | 3 | 20.10 | 20.35 |
| | 7 | | 7.45 | | 4 | | |
| | 7 | 0.00 14.50 | | | 5 | 0.00 | 24.00 |
| | | 20.25 | 24.00 | | | 20.35 | 22.45 |
| | 8 | | 22.05 | | 6 | 20.35 | 24.00 |
| | 9 | 18.15 | 21.20 | | 7 | 20.10 | 24.00 |
| | 10 | 15.35 | 21.20 | | 8 | NA 00.05 | NA 00.45 |
| | 11 | 18.15 | 21.20 | | 9 | 20.35 | 22.45 |
| E/40/0004 | | | | | 10 | 20.35 | 22.45 |
| 5/10/2001 | 1 | NA 17.15 | NA | | 11 | 20.35 | 22.45 |
| | 2 | 17.15 | 22.15 | 2/1/222 | | | |
| | 3 | 0.00 | 24.00 | 6/4/2001 | 1 | NA | NA |
| | 4 | 20.05 | 21.25 | | 2 | 11.10 | 24.00 |
| | 5 | 17.15 | 22.15 | | 3 | NA | NA |
| | 6 | 20.05 | 21.25 | | 4 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 5 | 11.10 | 24.00 |
| | 8 | 20.05 | 22.15 | | 6 | NA | NA |
| | 9 | 17.20 | 21.25 | | 7 | 11.15 | 24.00 |
| | 10 | 20.05 | 21.25 | | 8 | NA | NA |
| | 11 | 20.05 | 21.25 | | 9 | NA | NA |
| | | | | | 10 | 11.15 | 23.45 |
| 5/11/2001 | 1 | NA | NA | | 11 | NA | NA |
| | 2 | 13.55 | 21.10 | | | | |
| | 3 | 0.00 | 24.00 | 6/5/2001 | 1 | NA | NA |
| | 4 | 14.05 | 18.35 | | 2 | 0.00 | 0.25 |
| | 5 | 14.00 | 21.10 | | 2 | 10.00 | 23.55 |
| | 6 | 14.05 | 18.35 | | 3 | NA | NA |
| | 7 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 8 | 13.55 | 18.35 | | 5 | 0.00 | 0.20 |
| | 9 | 12.20 | 21.10 | | 5 | 10.00 | 23.55 |
| | 10 | 12.55 | 18.35 | | 6 | NA | NA |
| | 11 | 12.55 | 18.35 | | 7 | 0.00 | 0.35 |
| | | | | | 7 | 10.15 | 23.55 |
| 5/12/2001 | 1 | NA | NA | | 8 | NA | NA |
| | 2 | NA | NA | | 9 | NA | NA |
| | 3 | 0.00 | 7.20 | | 10 | 10.15 | 22.15 |

| | | Turbine Start | | | | Turbine Start | |
|-----------|-------------|---------------|-------|----------|-------------|---------------|-------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 4 | 7.35 | 24.00 | | 11 | 20.30 | 23.55 |
| | 5 | NA | NA | | | | |
| | 6 | NA | NA | 6/6/2001 | 1 | | NA |
| | 7 | 0.00 | 24.00 | | 2 | 10.05 | 24.00 |
| | 8 | NA | NA | | 3 | 10.10 | 24.00 |
| | 9 | NA | NA | | 4 | 0.00 | 24.00 |
| | 10 | NA | NA | | 5 | 10.10 | 24.00 |
| | 11 | NA | NA | | 6 | | NA |
| | | | | | 7 | NA | NA |
| 5/13/2001 | | NA | NA | | 8 | | NA |
| | 2 | NA | NA | | 9 | 12.05 | 22.15 |
| | 3 | 0.00 | 24.00 | | 10 | 12.05 | 22.15 |
| | 4 | NA | NA | | 11 | NA | NA |
| | 5 | NA | NA | | | | |
| | 6 | NA | NA | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | NA | NA | | | | |
| | 9 | NA | NA | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 5/14/2001 | 1 | NA | NA | | | | |
| | 2 | | 24.00 | | | | |
| | 3 | 0.00 | 8.25 | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 19.55 | 22.05 | | | | |
| | 6 | 20.15 | 21.15 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 20.15 | 21.15 | | | | |
| | 9 | NA | NA | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 20.15 | 21.15 | | | | |

| <u>4/8</u> | /2002-6/7/2 | <u>002</u> | | | | | |
|-------------|-------------|---------------|-------------|------------|-------------|---------------|-------|
| | | | | | | | |
| | | Turbine Start | | | | Turbine Start | |
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 4/8/2002 | 1 | 0.00 | 22.45 | 5/8/2002 | 1 | 18.05 | 22.00 |
| | 2 | 6.15 | 24.00 | | 2 | 18.05 | 22.00 |
| | 3 | NA | NA | | 3 | 18.05 | 22.00 |
| | 4 | 6.30 | 11.55 | | 4 | 0.00 | 24.00 |
| | 4 | 17.50 | 21.50 | | 5 | 0.00 | 0.15 |
| | 5 | 6.15 | 24.00 | | 5 | 6.15 | 22.30 |
| | 6 | 0.00 | 22.45 | | 6 | 0.00 | 0.15 |
| | 7 | 6.30 | 11.55 | | 6 | 6.15 | 22.30 |
| | 7 | 17.45 | 21.50 | | 7 | 0.00 | 1.00 |
| | 8 | 6.30 | 11.55 | | 7 | 1.10 | 24.00 |
| | 8 | 17.45 | 22.45 | | 8 | 12.55 | 22.00 |
| | 9 | 6.15 | 11.55 | | 9 | 6.15 | 22.00 |
| | 9 | 17.45 | 21.50 | | 10 | 12.55 | 22.20 |
| | 10 | 6.30 | 22.45 | | 11 | 6.15 | 22.20 |
| | 11 | 6.15 | 11.55 | | | | |
| | 11 | 17.45 | 21.50 | 5/9/2002 | 1 | 20.25 | 21.50 |
| | | | | | 2 | 20.25 | 21.50 |
| 4/9/2002 | 1 | 6.25 | 21.05 | | 3 | 2.15 | 21.50 |
| | 2 | 0.00 | 21.05 | | 4 | 0.00 | 2.15 |
| | 3 | NA | NA | | 4 | 20.25 | 24.00 |
| | 4 | 15.50 | 22.25 | | 5 | 6.15 | 23.30 |
| | 5 | 0.00 | 24.00 | | 6 | 6.15 | 23.30 |
| | 6 | 6.15 | 24.00 | | 7 | 0.00 | 24.00 |
| | 7 | 15.45 | 22.25 | | 8 | 6.15 | 23.15 |
| | 8 | 6.15 | 22.25 | | 9 | 6.15 | 23.15 |
| | 9 | 6.15 | 12.00 | | 10 | 7.20 | 21.50 |
| | 9 | 15.45 | 22.25 | | 11 | 7.20 | 21.50 |
| | 10 | 18.55 | 22.25 | | | | |
| | 11 | 6.15 | 12.00 | 5/10/2002 | 1 | 13.20 | 22.20 |
| | 11 | 18.55 | 21.05 | | 2 | 13.20 | 22.20 |
| | | | | | 3 | 13.35 | 24.00 |
| 4/10/2002 | 1 | 19.30 | 22.35 | | 4 | 0.00 | 22.20 |
| | 2 | 19.30 | 24.00 | | 5 | 5.45 | 23.10 |
| | 3 | NA | NA | | 6 | 5.45 | 23.10 |
| | 4 | 5.50 | 24.00 | | 7 | 0.00 | 24.00 |
| | 5 | 0.00 | 22.35 | | 8 | | 23.05 |
| | 6 | 0.00 | 22.35 | | 9 | | 22.20 |
| | 7 | 5.50 | 22.35 | | 10 | 6.20 | 23.05 |
| | 8 | 5.50 | 11.55 | | 11 | 13.20 | 22.15 |
| | 8 | 19.30 | 22.35 | | | | |
| | 9 | 5.50 | 11.55 | 5/11/2002 | 1 | NA | NA |
| | 9 | 19.30 | 22.35 | 3, 1, 2302 | 2 | 13.10 | 24.00 |
| | 10 | 19.30 | 22.35 | | 3 | 0.00 | 24.00 |
| | 11 | 5.50 | 11.55 | | 4 | 13.10 | 24.00 |
| | 11 | 19.30 | 22.35 | | 5 | 7.50 | 23.40 |
| | | . 5.55 | | | 6 | 7.50 | 23.40 |
| 4/11/2002 | 1 | 6.15 | 24.00 | | 7 | 0.00 | 24.00 |
| 1, 1 1/2002 | 2 | 0.00 | 12.10 | | 8 | 8.05 | 9.05 |
| | 2 | 17.30 | 23.30 | | 8 | 13.10 | 24.00 |
| | 3 | NA | 23.30 NA | | 9 | 7.50 | 10.55 |
| | 4 | 0.00 | 12.10 | | 9 | 13.10 | 23.40 |
| | 5 | 17.35 | 24.00 | | 10 | 8.05 | 9.05 |
| | 6 | 9.50 | 23.30 | | 10 | 13.10 | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|----------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 7 | 6.15 | 9.50 | | 11 | 8.05 | 9.05 |
| | 8 | 6.15 | 12.10 | | 11 | 13.10 | 23.40 |
| | 8 | 18.30 | 22.15 | | | 10.10 | 20.10 |
| | 9 | 6.15 | 11.40 | 5/12/2002 | 1 | 12.00 | 24.00 |
| | 9 | 18.30 | 23.30 | 6/12/2002 | 2 | 0.00 | 0.55 |
| | 10 | 18.30 | 22.15 | | 2 | 12.00 | 24.00 |
| | 11 | 6.15 | 11.40 | | 3 | 0.00 | 0.55 |
| | 11 | 18.30 | 23.30 | | 3 | 12.00 | 24.00 |
| | 11 | 10.50 | 23.30 | | 4 | 0.00 | 24.00 |
| 4/12/2002 | 1 | 0.00 | 24.00 | | 5 | 8.00 | 24.00 |
| 4/12/2002 | 2 | 6.20 | 22.25 | | 6 | 8.00 | 24.00 |
| | 3 | NA | NA | | 7 | 0.00 | 24.00 |
| | 4 | NA NA | NA NA | | 8 | 0.00 | 0.55 |
| | 5 | 0.00 | 22.25 | | 8 | 12.00 | 24.00 |
| | 6 | NA | NA | | 9 | 8.00 | 24.00 |
| | 7 | 6.20 | | | 10 | | 0.55 |
| | | | 24.00 | | 10 | 0.00 | |
| | 8 | 6.20 | 12.00 | | | 12.00 | 24.00 24.00 |
| | 9 | 6.20 | 12.00 | | 11 | 8.00 | 24.00 |
| | 9 | 18.40 | 22.25 | F/42/2002 | 4 | 0.00 | 24.00 |
| | 10 | 18.40 | 22.25 | 5/13/2002 | 1 | 0.00 | 24.00 |
| | 11 | 6.20 | 12.00 | | 2 | 0.00 | 24.00 |
| | 11 | 18.40 | 22.25 | | 3 | 6.30 | 24.00 |
| 4/40/0000 | | 0.00 | 04.00 | | 4 | 0.00 | 24.00 |
| 4/13/2002 | 1 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 2 | 8.00 | 12.20 | | 6 | 6.25 | 24.00 |
| | 2 | 17.40 | 24.00 | | 7 | 6.30 | 24.00 |
| | 3 | NA | NA | | 8 | 6.25 | 24.00 |
| | 4 | NA | NA | | 9 | 6.10 | 24.00 |
| | 5 | NA | NA | | 10 | 6.25 | 24.00 |
| | 6 | 8.00 | 12.05 | | 11 | 6.10 | 24.00 |
| | 6 | 17.40 | 22.20 | | | | |
| | 7 | 0.00 | 22.20 | 5/14/2002 | 1 | 0.00 | 24.00 |
| | 8 | 8.10 | 12.05 | | 2 | 0.00 | 24.00 |
| | 8 | 17.45 | 22.20 | | 3 | 0.00 | 24.00 |
| | 9 | 8.10 | 13.45 | | 4 | 0.00 | 24.00 |
| | 9 | 17.45 | 22.20 | | 5 | 0.00 | 24.00 |
| | 10 | 18.20 | 21.35 | | 6 | 0.00 | 24.00 |
| | 11 | 8.10 | 12.20 | | 7 | 0.00 | 24.00 |
| | 11 | 17.45 | 22.20 | | 8 | 0.00 | 24.00 |
| | | | | | 9 | 0.00 | 24.00 |
| 4/14/2002 | 1 | 0.00 | 24.00 | | 10 | 0.00 | 24.00 |
| | 2 | 0.00 | 24.00 | | 11 | 0.00 | 24.00 |
| | 3 | NA | NA | | | | |
| | 4 | 18.35 | 24.00 | 5/15/2002 | | 0.00 | 24.00 |
| | 5 | 22.40 | 24.00 | | 2 | 0.00 | 24.00 |
| | 6 | 18.40 | 24.00 | | 3 | 0.00 | 24.00 |
| | 7 | 22.45 | 24.00 | | 4 | 0.00 | 24.00 |
| | 8 | 18.40 | 24.00 | | 5 | 0.00 | 24.00 |
| | 9 | 18.35 | 24.00 | | 6 | 0.00 | 24.00 |
| | 10 | 22.40 | 24.00 | | 7 | 0.00 | 24.00 |
| | 11 | 18.35 | 24.00 | | 8 | 0.00 | 24.00 |
| | | | | | 9 | 0.00 | 24.00 |
| 4/15/2002 | 1 | 0.00 | 0.20 | | 10 | 0.00 | 24.00 |
| | 1 | 17.25 | 23.15 | | 11 | 0.00 | 24.00 |
| | 2 | 0.00 | 0.20 | | | | |
| | 2 | 17.25 | 20.40 | 5/16/2002 | 1 | 0.00 | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|----------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| Duic | 3 | NA | NA | Bute | 2 | 0.00 | 24.00 |
| | 4 | 0.00 | 23.15 | | 3 | | 24.00 |
| | 5 | 0.00 | 1.00 | | 4 | 0.00 | 24.00 |
| | 5 | 6.15 | 24.00 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 7 | 0.00 | 1.00 | | 7 | 0.00 | 24.00 |
| | 7 | 6.15 | 20.40 | | 8 | 0.00 | 24.00 |
| | 8 | 0.00 | 1.00 | | 9 | 0.00 | 24.00 |
| | 8 | 6.15 | 8.10 | | 10 | 0.00 | 24.00 |
| | 8 | 12.15 | 23.15 | | 11 | 0.00 | 24.00 |
| | 9 | 0.00 | 0.20 | | 11 | 0.00 | 24.00 |
| | 9 | 6.15 | 20.40 | 5/17/2002 | 1 | 0.00 | 24.00 |
| | 9 | | | 5/17/2002 | 2 | | |
| | | 22.15 | 23.05 | | 3 | 0.00 | 24.00 24.00 |
| | 10 | 0.00 | 0.35 | | | 0.00 | |
| | 10 | 12.15 | 23.05 | | 4 | 0.00 | 24.00 |
| | 11 | 0.00 | 0.35 | | 5 | 0.00 | 24.00 |
| | 11 | 6.15 | 20.40 | | 6 | 0.00 | 24.00 |
| | 11 | 22.15 | 23.05 | | 7 | 0.00 | 24.00 |
| | | | | | 8 | 0.00 | 24.00 |
| 4/16/2002 | 1 | 13.20 | 22.15 | | 9 | 0.00 | 24.00 |
| | 2 | 13.20 | 24.00 | | 10 | 0.00 | 24.00 |
| | 3 | NA | NA | | 11 | 0.00 | 24.00 |
| | 4 | 12.30 | 24.00 | -44 | | | |
| | 5 | 0.00 | 24.00 | 5/18/2002 | 1 | 0.00 | 24.00 |
| | 6 | 0.00 | 22.05 | | 2 | 0.00 | 24.00 |
| | 7 | 12.30 | 24.00 | | 3 | 0.00 | 24.00 |
| | 8 | 13.20 | 24.00 | | 4 | 0.00 | 24.00 |
| | 9 | 12.30 | 22.15 | | 5 | 0.00 | 24.00 |
| | 10 | 13.20 | 24.00 | | 6 | 0.00 | 24.00 |
| | 11 | 12.30 | 23.00 | | 7 | 0.00 | 24.00 |
| | | | | | 8 | 0.00 | 24.00 |
| 4/17/2002 | 1 | 6.15 | 24.00 | | 9 | 0.00 | 24.00 |
| | 2 | 0.00 | 24.00 | | 10 | 0.00 | 24.00 |
| | 3 | NA | NA | | 11 | 0.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | | | |
| | 5 | 0.00 | 1.25 | 5/19/2002 | 1 | 0.00 | 24.00 |
| | 5 | 9.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 6 | 9.00 | 24.00 | | 3 | 0.00 | 24.00 |
| | 7 | 0.00 | 1.25 | | 4 | | 24.00 |
| | 7 | 6.15 | 24.00 | | 5 | | 24.00 |
| | 8 | 0.00 | 1.25 | | 6 | 0.00 | 24.00 |
| | 8 | 6.25 | 24.00 | | 7 | 0.00 | 24.00 |
| | 9 | 6.15 | 24.00 | | 8 | 0.00 | 24.00 |
| | 10 | 0.00 | 1.25 | | 9 | 0.00 | 24.00 |
| | 10 | 9.00 | 24.00 | | 10 | 0.00 | 24.00 |
| | 11 | 6.15 | 24.00 | | 11 | 0.00 | 24.00 |
| 4/18/2002 | 1 | 0.00 | 0.20 | 5/20/2002 | 1 | 0.00 | 24.00 |
| - | 1 | 5.40 | 24.00 | | 2 | 0.00 | 24.00 |
| | 2 | 0.00 | 0.20 | | 3 | 0.00 | 24.00 |
| | 2 | 5.45 | 24.00 | | 4 | | 24.00 |
| | 3 | NA | NA | | 5 | | 24.00 |
| | 4 | 0.00 | 24.00 | | 6 | | 24.00 |
| | 5 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 8 | | 24.00 |
| | 7 | 0.00 | 24.00 | | 9 | | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|-----------|-------------|---------------|-------------|---------------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 8 | 0.00 | 0.20 | | 10 | 0.00 | 24.00 |
| | 8 | 5.40 | 24.00 | | 11 | 0.00 | 24.00 |
| | 9 | 0.00 | 24.00 | | | | |
| | 10 | 0.00 | 0.20 | 5/21/2002 | 1 | 0.00 | 24.00 |
| | 10 | 5.40 | 24.00 | | 2 | 0.00 | 24.00 |
| | 11 | 0.00 | 24.00 | | 3 | 0.00 | 24.00 |
| | | | | | 4 | 0.00 | 24.00 |
| 4/19/2002 | 1 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 2 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 3 | NA | NA | | 7 | 0.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | 8 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 9 | 0.00 | 24.00 |
| | 6 | 0.00 | 2.10 | | 10 | 0.00 | 24.00 |
| | 6 | 6.35 | 24.00 | | 11 | 0.00 | 24.00 |
| | 7 | 0.00 | 2.10 | | | | |
| | 7 | 6.40 | 24.00 | 5/22/2002 | 1 | 0.00 | 24.00 |
| | 8 | 0.00 | 2.10 | 3/==/=00 | 2 | 0.00 | 24.00 |
| | 8 | 6.35 | 24.00 | | 3 | 0.00 | 24.00 |
| | 9 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 10 | 0.00 | 2.10 | | 5 | 0.00 | 24.00 |
| | 10 | 6.40 | 24.00 | | 6 | 0.00 | 24.00 |
| | 11 | 0.00 | 3.10 | | 7 | 0.00 | 24.00 |
| | 11 | 7.05 | 24.00 | | 8 | 0.00 | 24.00 |
| | ''' | 7.00 | 24.00 | | 9 | 0.00 | 24.00 |
| 4/20/2002 | 1 | 0.00 | 24.00 | | 10 | 0.00 | 24.00 |
| 4/20/2002 | 2 | 0.00 | 1.25 | | 11 | 0.00 | 24.00 |
| | 2 | 8.10 | 22.00 | | | 0.00 | 24.00 |
| | 3 | NA | NA NA | 5/23/2002 | 1 | 0.00 | 24.00 |
| | 4 | 0.00 | 1.25 | 3/23/2002 | 2 | 0.00 | 24.00 |
| | 4 | 8.15 | 22.00 | | 3 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 6 | 0.00 | 1.30 | | 5 | 0.00 | 24.00 |
| | 6 | 8.20 | 23.45 | | 6 | 0.00 | 24.00 |
| | 7 | 0.00 | 1.30 | | 7 | 0.00 | 24.00 |
| | 7 | 8.25 | 23.45 | | 8 | 0.00 | 24.00 |
| | 8 | 0.00 | 1.30 | | 9 | 0.00 | 24.00 |
| | | | | | 10 | | |
| | 8 9 | 8.25 | 23.45 | | | 0.00 | 24.00 |
| | | 0.00 | 1.25 | | 11 | 0.00 | 24.00 |
| | 9 | 8.20 | 22.00 | F /0.4 /0.000 | | 0.00 | 04.00 |
| | 10 | 0.00 | 1.25 | 5/24/2002 | | | 24.00 |
| | 10 | 8.20 | 23.45 | | 2 | 0.00 | 24.00 |
| | 11 | 0.00 | 1.25 | | 3 | | 24.00 |
| | 11 | 8.20 | 22.00 | | 4 | | 1.55 |
| 4/04/0000 | | 0.00 | 04.00 | | 4 | | 9.05 |
| 4/21/2002 | 1 | 0.00 | 24.00 | | 4 | 10.10 | 24.00 |
| | 2 | 7.40 | 24.00 | | 5 | 0.00 | 24.00 |
| | 3 | NA 47.00 | NA 00.55 | | 6 | 0.00 | 1.55 |
| | 4 | 17.00 | 22.55 | | 6 | 7.25 | 9.05 |
| | 5 | 0.00 | 24.00 | | 6 | 10.10 | 24.00 |
| | 6 | 7.45 | 22.55 | | 7 | 0.00 | 1.55 |
| | 7 | 17.05 | 24.00 | | 7 | 7.25 | 9.05 |
| | 8 | 17.00 | 24.00 | | 7 | 10.10 | 24.00 |
| | 9 | 7.45 | 22.55 | | 8 | 0.00 | 1.55 |
| | 10 | 17.05 | 22.55 | | 8 | 7.25 | 24.00 |
| | 11 | 7.40 | 22.55 | | 9 | | 24.00 |
| | | | | | 10 | 0.00 | 9.05 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|------------|---|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 4/22/2002 | 1 | 0.00 | 24.00 | | 10 | 10.10 | 24.00 |
| | 2 | 6.05 | 22.15 | | 11 | 0.00 | 24.00 |
| | 3 | NA | NA | | | | |
| | 4 | 7.20 | 22.15 | 5/25/2002 | 1 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 6 | 8.45 | 22.50 | | 3 | 0.00 | 24.00 |
| | 7 | 6.05 | 22.50 | | 4 | 0.00 | 2.35 |
| | 8 | 7.20 | 22.40 | | 4 | 9.35 | 13.25 |
| | 9 | 6.05 | 22.40 | | 4 | 15.15 | 24.00 |
| | 10 | 8.45 | 22.40 | | 5 | 0.00 | 24.00 |
| | 11 | 6.05 | 22.15 | | 6 | 0.00 | 2.35 |
| | • | 0.00 | 22.10 | | 6 | 9.40 | 24.00 |
| 4/23/2002 | 1 | 0.00 | 22.15 | | 7 | 0.00 | 2.35 |
| 4/23/2002 | 2 | 17.10 | 22.15 | | 7 | 9.45 | 24.00 |
| | 3 | NA | NA | | 8 | 0.00 | 3.20 |
| | 4 | 17.10 | 24.00 | | 8 | 9.35 | 24.00 |
| | 5 | | | | 9 | | |
| | | 0.00 | 24.00 | | | 0.00 | 2.35 |
| | 6 | 7.20 | 20.15 | | 9 | 9.35 | 24.00 |
| | 7 | 7.20 | 22.25 | | 10 | 0.00 | 3.20 |
| | 8 | 7.20 | 22.20 | | 10 | 9.35 | 13.25 |
| | 9 | 7.20 | 22.20 | | 10 | 15.10 | 24.00 |
| | 10 | 7.20 | 22.20 | | 11 | 0.00 | 2.35 |
| | 11 | 7.20 | 22.15 | | 11 | 9.35 | 24.00 |
| 4/0.4/0000 | | | | F/00/0000 | | 0.00 | 1.00 |
| 4/24/2002 | 1 | NA | NA | 5/26/2002 | | 0.00 | 1.30 |
| | 2 | 13.55 | 17.35 | | 1 | 10.25 | 24.00 |
| | 3 | NA | NA | | 2 | 0.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | 3 | 0.00 | 1.30 |
| | 5 | 0.00 | 15.20 | | 3 | 10.30 | 24.00 |
| | 5 | 17.25 | 24.00 | | 4 | 0.00 | 1.20 |
| | 6 | 7.15 | 24.00 | | 4 | 19.45 | 22.35 |
| | 7 | 7.15 | 24.00 | | 5 | 0.00 | 24.00 |
| | 8 | NA | NA | | 6 | 0.00 | 1.20 |
| | 9 | 7.15 | 24.00 | | 6 | 19.45 | 22.35 |
| | 10 | NA | NA | | 7 | 0.00 | 1.20 |
| | 11 | 7.15 | 24.00 | | 7 | 19.45 | 22.35 |
| | | | | | 8 | 0.00 | 1.20 |
| 4/25/2002 | 1 | NA | NA | | 8 | 10.55 | 23.10 |
| | 2 | 18.25 | 24.00 | | 9 | 0.00 | 1.20 |
| | 3 | NA | NA | | 9 | 10.55 | 23.10 |
| | 4 | 0.00 | 24.00 | | 10 | 0.00 | 1.20 |
| | 5 | 0.00 | 24.00 | | 10 | 10.55 | 23.10 |
| | 6 | 0.00 | 24.00 | | 11 | 0.00 | 1.20 |
| | 7 | 0.00 | 24.00 | | 11 | 10.55 | 23.10 |
| | 8 | NA | NA | | | | |
| | 9 | 0.00 | 0.05 | 5/27/2002 | 1 | 0.00 | 24.00 |
| | 9 | 7.05 | 24.00 | | 2 | 0.00 | 8.55 |
| | 10 | 0.00 | 0.05 | | 2 | 11.55 | 22.50 |
| | 11 | 7.05 | 24.00 | | 3 | 0.00 | 8.55 |
| | | | | | 3 | | 24.00 |
| 4/26/2002 | 1 | NA | NA | | 4 | 14.05 | 24.00 |
| | 2 | 0.00 | 0.10 | | 5 | 0.00 | 22.40 |
| | 2 | 18.35 | 24.00 | | 6 | 14.10 | 22.40 |
| | 3 | NA | NA | | 7 | 14.15 | 24.00 |
| | 4 | 0.00 | 0.10 | | 8 | 14.15 | 22.50 |
| | 4 | 6.25 | 24.00 | | 9 | 11.55 | 22.40 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 5 | 0.00 | 24.00 | | 10 | 14.20 | 22.50 |
| | 6 | 0.00 | 24.00 | | 11 | 12.00 | 22.40 |
| | 7 | 0.00 | 0.10 | | | | |
| | 7 | 6.25 | 24.00 | 5/28/2002 | 1 | 0.00 | 0.55 |
| | 8 | NA | NA | | 1 | 11.35 | 22.25 |
| | 9 | 0.00 | 0.10 | | 2 | 11.40 | 22.05 |
| | 9 | 7.35 | 24.00 | | 3 | 0.00 | 0.55 |
| | 10 | NA | NA | | 3 | 11.40 | 24.00 |
| | 11 | 0.00 | 0.05 | | 4 | 0.00 | 22.05 |
| | 11 | 7.35 | 24.00 | | 5 | 6.25 | 22.25 |
| | | 1100 | | | 6 | 6.30 | 22.10 |
| 4/27/2002 | 1 | 20.10 | 21.50 | | 7 | 0.00 | 24.00 |
| .,, | 2 | 0.00 | 0.15 | | 8 | 8.40 | 22.20 |
| | 2 | 20.05 | 21.50 | | 9 | 6.30 | 22.25 |
| | 3 | 17.30 | 18.10 | | 10 | 8.40 | 22.10 |
| | 4 | 0.00 | 0.15 | | 11 | 6.35 | 22.20 |
| | 4 | 9.15 | 12.20 | | | 0.00 | 22.20 |
| | 4 | 19.00 | 23.15 | 5/29/2002 | 1 | NA | NA |
| | 5 | 0.00 | 24.00 | 0/20/2002 | 2 | 7.15 | 22.00 |
| | 6 | 0.00 | 24.00 | | 3 | 0.00 | 22.55 |
| | 7 | 0.00 | 0.15 | | 4 | 12.30 | 24.00 |
| | 7 | 9.15 | 12.20 | | 5 | 6.35 | 22.00 |
| | 7 | 19.00 | 23.15 | | 6 | 6.40 | 7.15 |
| | 8 | 20.00 | 21.50 | | 6 | 12.30 | 22.55 |
| | 9 | 0.00 | 0.10 | | 7 | 0.00 | 24.00 |
| | 9 | 9.15 | 12.15 | | 8 | 12.20 | 22.00 |
| | | | | | | | |
| | 9 | 19.05 | 23.15 | | 9 | 6.40 | 22.00 |
| | 11 | 20.00 | 21.50 | | 11 | 12.20 | 22.00 |
| | | 0.00 | 0.10 | | 11 | 6.45 | 22.55 |
| | 11 | 9.15 | 12.15 | 5/00/0000 | | 00.45 | 00.00 |
| | 11 | 19.05 | 23.15 | 5/30/2002 | | 20.45 | 22.30 |
| 1/00/0000 | | 40.00 | 00.45 | | 2 | 13.20 | 22.40 |
| 4/28/2002 | 1 | 19.20 | 23.45 | | 3 | 13.20 | 16.15 |
| | 2 | 19.20 | 23.45 | | 3 | 20.35 | 22.10 |
| | 3 | 13.00 | 18.10 | | 4 | 0.00 | 24.00 |
| | 4 | 20.10 | 24.00 | | 5 | 6.15 | 22.40 |
| | 5 | 0.00 | 24.00 | | 6 | 6.15 | 16.15 |
| | 6 | 0.00 | 24.00 | | 6 | 20.30 | 22.10 |
| | 7 | 20.10 | 24.00 | | 7 | 0.00 | 24.00 |
| | 8 | 20.10 | 24.00 | | 8 | 13.05 | 16.20 |
| | 9 | 19.20 | 23.45 | | 8 | 20.20 | 22.30 |
| | 10 | 20.10 | 24.00 | | 9 | 6.15 | 22.40 |
| | 11 | 19.20 | 23.45 | | 10 | 20.40 | 22.30 |
| | | | | | 11 | 13.10 | 16.20 |
| 4/29/2002 | 1 | 8.20 | 11.55 | | 11 | 20.20 | 22.40 |
| | 1 | 17.10 | 22.50 | | | | |
| | 2 | 8.20 | 8.30 | 5/31/2002 | - | 11.55 | 21.25 |
| | 2 | 8.45 | 11.55 | | 2 | 6.10 | 22.25 |
| | 2 | 20.05 | 22.10 | | 3 | 16.15 | 24.00 |
| | 3 | NA | NA | | 4 | 0.00 | 22.25 |
| | 4 | 0.00 | 1.05 | | 5 | 6.10 | 21.10 |
| | 4 | 6.10 | 17.10 | | 6 | 11.55 | 21.10 |
| | 4 | 20.05 | 22.10 | | 7 | 0.00 | 22.25 |
| | 5 | 0.00 | 24.00 | | 8 | 10.30 | 22.25 |
| | 6 | 0.00 | 24.00 | | 9 | 6.15 | 22.25 |
| · | 7 | 0.00 | 1.05 | | 10 | 10.30 | 21.10 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|-----------|-------------|---------------|-------------|----------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 7 | 6.10 | 22.50 | | 11 | 12.05 | 21.15 |
| | 8 | 0.00 | 0.35 | | | | |
| | 8 | 6.15 | 11.55 | 6/1/2002 | 1 | 12.55 | 18.00 |
| | 8 | 20.05 | 22.50 | | 2 | 12.55 | 18.00 |
| | 9 | 6.15 | 12.15 | | 3 | 0.00 | 21.50 |
| | 9 | 19.40 | 22.50 | | 4 | 12.55 | 21.50 |
| | 10 | 0.00 | 0.35 | | 5 | 8.30 | 24.00 |
| | 10 | 8.20 | 12.15 | | 6 | 8.30 | 18.00 |
| | 10 | 19.40 | 22.10 | | 7 | 8.30 | 21.50 |
| | 11 | 6.15 | 12.15 | | 8 | 10.45 | 21.35 |
| | 11 | 19.40 | 22.10 | | 9 | 10.45 | 20.20 |
| | | | | | 10 | 12.55 | 21.35 |
| 4/30/2002 | 1 | 5.40 | 12.10 | | 11 | 10.45 | 20.25 |
| | 2 | 5.40 | 24.00 | | | | |
| | 3 | 0.00 | 16.00 | 6/2/2002 | 1 | 8.30 | 22.05 |
| | 3 | 19.50 | 24.00 | | 2 | 8.30 | 22.05 |
| | 4 | 5.40 | 13.35 | | 3 | 20.50 | 22.05 |
| | 4 | 19.50 | 23.50 | | 4 | 8.30 | 22.25 |
| | 5 | 0.00 | 12.15 | | 5 | 0.00 | 24.00 |
| | 5 | 16.00 | 24.00 | | 6 | 20.50 | 22.25 |
| | 6 | 0.00 | 23.50 | | 7 | 20.50 | 22.25 |
| | 7 | 5.40 | 24.00 | | 8 | 15.05 | 22.25 |
| | 8 | 5.40 | 12.15 | | 9 | 15.05 | 22.15 |
| | 8 | 19.50 | 23.50 | | 10 | 15.05 | 22.25 |
| | 9 | 5.40 | 23.50 | | 11 | 8.30 | 22.15 |
| | 10 | 5.40 | 12.15 | | | | |
| | 10 | 19.50 | 23.50 | 6/3/2002 | 1 | NA | NA |
| | 11 | 5.40 | 24.00 | | 2 | 12.00 | 21.15 |
| | | | | | 3 | 12.05 | 23.15 |
| 5/1/2002 | 1 | NA | NA | | 4 | 6.50 | 21.15 |
| | 2 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 3 | 0.00 | 24.00 | | 6 | 6.50 | 23.15 |
| | 4 | 6.20 | 24.00 | | 7 | 6.50 | 23.15 |
| | 5 | 0.00 | 24.00 | | 8 | 12.00 | 21.15 |
| | 6 | 6.20 | 24.00 | | 9 | 6.50 | 21.05 |
| | 7 | 0.00 | 24.00 | | 10 | 12.00 | 21.20 |
| | 8 | 6.20 | 24.00 | | 11 | 6.50 | 21.10 |
| | 9 | 6.20 | 24.00 | | | | |
| | 10 | 6.20 | 24.00 | 6/4/2002 | 1 | NA | NA |
| | 11 | 0.00 | 24.00 | 32002 | 2 | NA | NA |
| | | 2.00 | | | 3 | 11.40 | 23.50 |
| 5/2/2002 | 1 | 8.55 | 24.00 | | 4 | 8.15 | 23.50 |
| J, | 2 | 0.00 | 5.50 | | 5 | 0.00 | 24.00 |
| | 2 | 6.00 | 24.00 | | 6 | 8.15 | 23.50 |
| | 3 | 0.00 | 24.00 | | 7 | 8.15 | 23.50 |
| | 4 | 0.00 | 24.00 | | 8 | 11.40 | 23.50 |
| | 5 | 0.00 | 24.00 | | 9 | 8.15 | 9.10 |
| | 6 | 0.00 | 24.00 | | 9 | 11.40 | 23.50 |
| | 7 | 0.00 | 24.00 | | 10 | 11.40 | 23.50 |
| | 8 | 0.00 | 24.00 | | 11 | 8.15 | 9.10 |
| | 9 | 0.00 | 24.00 | | 11 | 11.40 | 23.50 |
| | 10 | 0.00 | 24.00 | | 11 | 11.40 | 20.00 |
| | 11 | 0.00 | 24.00 | 6/5/2002 | 1 | NA | NA |
| | 11 | 0.00 | 27.00 | 0/3/2002 | 2 | 14.55 | 22.15 |
| 5/3/2002 | 1 | 0.00 | 24.00 | | 3 | 14.55 | 22.15 |
| 7/3/7007 | | | | | | | |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|----------|-------------|---------------|-------------|----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| Date | 2 | 13.20 | 24.00 | Date | 5 | 0.00 | 24.00 |
| | 3 | 0.00 | 24.00 | | 6 | 14.00 | 21.20 |
| | 4 | 0.00 | 24.00 | | 7 | 14.00 | 21.20 |
| | 5 | 0.00 | 24.00 | | 8 | 14.50 | 21.25 |
| | 6 | 0.00 | 24.00 | | 9 | 14.00 | 21.20 |
| | 7 | 0.00 | 24.00 | | 10 | 14.50 | 21.25 |
| | 8 | 0.00 | 24.00 | | 11 | 14.00 | 21.20 |
| | 9 | | 24.00 | | 11 | 14.00 | 21.20 |
| | | 0.00 | | 6/6/2002 | 1 | NIA | NIA |
| | 10 | 0.00 | 24.00 | 6/6/2002 | | NA 12.50 | NA 23.20 |
| | 11 | 0.00 | 24.00 | | 3 | 12.55 | 23.20 |
| 5/4/2002 | 4 | 0.00 | 10.15 | | 4 | | |
| 5/4/2002 | 1 | 0.00 | 10.15 | | | 11.55 | 23.20 |
| | 1 | 19.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 2 | 0.00 | 10.15 | | 6 | 11.55 | 21.25 |
| | 2 | 19.00 | 24.00 | | 7 | 11.55 | 21.25 |
| | 3 | 0.00 | 24.00 | | 8 | 12.50 | 23.10 |
| | 4 | 0.00 | 24.00 | | 9 | 11.55 | 21.25 |
| | 5 | 0.00 | 24.00 | | 10 | 12.50 | 23.10 |
| | 6 | 0.00 | 0.05 | | 11 | 1.35 | 1.40 |
| | 6 | 14.05 | 24.00 | | 11 | 11.55 | 21.25 |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 0.00 | 24.00 | 6/7/2002 | 1 | NA | NA |
| | 9 | 0.00 | 24.00 | | 2 | 15.20 | 18.50 |
| | 10 | 0.00 | 0.05 | | 2 | 19.10 | 24.00 |
| | 10 | 14.05 | 24.00 | | 3 | 15.20 | 18.50 |
| | 11 | 0.00 | 24.00 | | 4 | 10.30 | 18.50 |
| | | | | | 5 | 0.00 | 24.00 |
| 5/5/2002 | 1 | 0.00 | 0.40 | | 6 | 10.15 | 18.50 |
| | 1 | 10.05 | 24.00 | | 7 | 10.15 | 18.50 |
| | 2 | 0.00 | 0.40 | | 8 | 15.20 | 24.00 |
| | 2 | 7.20 | 24.00 | | 9 | 10.15 | 24.00 |
| | 3 | 0.00 | 3.45 | | 10 | 15.20 | 19.15 |
| | 3 | 7.20 | 24.00 | | 11 | 10.15 | 24.00 |
| | 4 | 0.00 | 24.00 | | | | |
| | 5 | 0.00 | 3.45 | | | | |
| | 5 | 6.50 | 24.00 | | | | |
| | 6 | 0.00 | 0.40 | | | | |
| | 6 | 6.50 | 24.00 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 0.00 | 0.40 | | | | |
| | 8 | 7.20 | 24.00 | | | | |
| | 9 | 0.00 | 3.40 | | | _ | |
| | 9 | 6.50 | 24.00 | | | | |
| | 10 | 0.00 | 0.40 | | | | |
| | 10 | 7.20 | 24.00 | | | | |
| | 11 | 0.00 | 3.35 | | | | |
| | 11 | 6.50 | 24.00 | | | | |
| | | | | | | | |
| 5/6/2002 | 1 | 0.00 | 0.15 | | | | |
| | 1 | 6.00 | 24.00 | | | | |
| | 2 | 0.00 | 0.15 | | | | |
| | 2 | 6.10 | 24.00 | | | | |
| | 3 | 0.00 | 0.15 | | | | |
| | 3 | 6.05 | 24.00 | | | | |
| | 4 | 0.00 | 24.00 | | 1 | | |
| | | | | | | | |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|----------|-------------|---------------|-------------|------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 5 | 5.35 | 6.50 | | | | |
| | 5 | 7.10 | 24.00 | | | | |
| | 6 | 0.00 | 0.35 | | | | |
| | 6 | 5.35 | 24.00 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 0.00 | 0.30 | | | | |
| | 8 | 5.50 | 24.00 | | | | |
| | 9 | 0.00 | 0.25 | | | | |
| | 9 | 5.50 | 24.00 | | | | |
| | 10 | 0.00 | 0.15 | | | | |
| | 10 | 5.50 | 24.00 | | | | |
| | 11 | 0.00 | 0.25 | | | | |
| | 11 | 5.35 | 24.00 | | | | |
| | | | | | | | |
| 5/7/2002 | 1 | 0.00 | 0.05 | | | | |
| | 1 | 6.30 | 23.50 | | | | |
| | 2 | 0.00 | 0.05 | | | | |
| | 2 | 6.40 | 23.50 | | | | |
| | 3 | 0.00 | 0.05 | | | | |
| | 3 | 6.40 | 23.50 | | | | |
| | 4 | 0.00 | 24.00 | | | | |
| | 5 | 0.00 | 0.40 | | | | |
| | 5 | 6.30 | 24.00 | | | | |
| | 6 | 0.00 | 0.40 | | | | |
| | 6 | 6.45 | 24.00 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 0.00 | 0.40 | | | | |
| | 8 | 6.40 | 23.55 | | | | |
| | 9 | 0.00 | 0.20 | | | | |
| | 9 | 6.30 | 23.55 | | | | |
| | 10 | 0.00 | 0.20 | | | | |
| | 10 | 6.40 | 24.00 | | | | |
| | 11 | 0.00 | 0.20 | | | | |
| | 11 | 6.40 | 24.00 | | | | |

| 4/1 | 15/2003-6/2/20 | 003 | | | | | |
|-----------|----------------|---------------|-------|-----------|-------------|---------------|-------|
| | | | | | | | |
| | | | | | | | |
| _ | | Turbine Start | | _ | | Turbine Start | |
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 4/15/2003 | 1 | 0.00 | 24.00 | 5/9/2003 | 1 | 19.15 | 22.20 |
| | 2 | 0.00 | 24.00 | | 2 | 19.20 | 22.20 |
| | 3 | 0.00 | 24.00 | | 3 | 19.15 | 22.20 |
| | 4 | 0.00 | 24.00 | | 4 | 6.10 | 24.00 |
| | 5 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 7 | 6.10 | 24.00 |
| | 8 | 0.00 | 24.00 | | 8 | 6.10 | 11.45 |
| | 9 | 0.00 | 24.00 | | 8 | 17.10 | 24.00 |
| | 10 | 0.00 | 24.00 | | 9 | 8.35 | 11.45 |
| | 11 | 0.00 | 24.00 | | 9 | 17.10 | 24.00 |
| | | | | | 10 | 6.10 | 11.45 |
| 4/16/2003 | 1 | 0.00 | 24.00 | | 10 | 17.10 | 22.20 |
| | 2 | 0.00 | 24.00 | | 11 | 8.35 | 11.45 |
| | 3 | 0.00 | 24.00 | | 11 | 17.10 | 22.20 |
| | 4 | 0.00 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | 5/10/2003 | 1 | 19.35 | 23.40 |
| | 6 | 0.00 | 24.00 | | 2 | 19.40 | 23.40 |
| | 7 | 0.00 | 24.00 | | 3 | 19.35 | 23.40 |
| | 8 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 9 | 0.00 | 24.00 | | 5 | 0.00 | 0.15 |
| | 10 | 0.00 | 24.00 | | 6 | 9.55 | 23.40 |
| | 11 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | | | | | 8 | 0.00 | 0.15 |
| 4/17/2003 | 1 | 0.00 | 24.00 | | 8 | 9.55 | 23.40 |
| | 2 | 0.00 | 24.00 | | 9 | 0.00 | 0.15 |
| | 3 | 0.00 | 24.00 | | 9 | 19.15 | 23.40 |
| | 4 | 0.00 | 24.00 | | 10 | 17.25 | 23.40 |
| | 5 | 0.00 | 24.00 | | 11 | 19.15 | 23.40 |
| | 6 | 0.00 | 24.00 | | | | |
| | 7 | 0.00 | 24.00 | 5/11/2003 | 1 | 19.40 | 22.20 |
| | 8 | 0.00 | 24.00 | | 2 | 19.40 | 22.20 |
| | 9 | 0.00 | 24.00 | | 3 | 19.40 | 22.20 |
| | 10 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 11 | 0.00 | 24.00 | | 5 | 13.50 | 24.00 |
| 1/10/0000 | | 0.00 | 0.45 | | 6 | 13.50 | 24.00 |
| 4/18/2003 | 1 | 0.00 | 8.15 | | 7 | 0.00 | 24.00 |
| | 1 | 11.35 | 24.00 | | 8 | 19.00 | 24.00 |
| | 2 | 0.00 | 8.15 | | 9 | 19.00 | 24.00 |
| | 2 | 11.35 | 24.00 | | 10 | 19.30 | 22.25 |
| | 3 | 0.00 | 24.00 | | 11 | 19.30 | 22.25 |
| | 4 | 0.00 | 24.00 | F1101005 | | 40.45 | 60.0- |
| | 5 | 0.00 | 24.00 | 5/12/2003 | 1 | 18.40 | 22.35 |
| | 6 | 0.00 | 8.30 | | 2 | 18.40 | 22.35 |
| | 6 | 11.40 | 24.00 | | 3 | 19.10 | 22.35 |
| | 7 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 8 | 0.00 | 24.00 | | 5 | 5.15 | 23.30 |
| | 9 | 0.00 | 8.50 | | 6 | 5.15 | 23.30 |
| | 9 | 11.10 | 24.00 | | 7 | 0.00 | 24.00 |
| | 10 | 0.00 | 8.30 | | 8 | 6.05 | 23.30 |
| | 10 | 11.10 | 24.00 | | 9 | 6.10 | 15.30 |
| | 11 | 0.00 | 8.20 | | 9 | 18.20 | 23.30 |
| | 11 | 11.35 | 24.00 | | 10 | 6.05 | 22.35 |
| | | | | | 11 | 6.05 | 15.30 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 4/19/2003 | 1 | 0.00 | 23.50 | Date | 11 | 18.20 | 22.35 |
| 4/13/2003 | 2 | 0.00 | 0.20 | | | 10.20 | 22.00 |
| | 2 | 8.50 | 23.50 | 5/13/2003 | 1 | 19.35 | 21.55 |
| | 3 | 0.00 | 13.05 | 3/13/2000 | 2 | 19.40 | 21.55 |
| | 3 | 18.20 | 23.50 | | 3 | 19.40 | 22.05 |
| | 4 | 0.00 | 13.05 | | 4 | 0.00 | 24.00 |
| | 4 | 18.20 | 23.55 | | 5 | 5.15 | 24.00 |
| | 5 | 0.00 | 13.05 | | 6 | 5.15 | 24.00 |
| | 5 | 18.20 | 23.55 | | 7 | 0.00 | 24.00 |
| | 6 | 0.00 | 0.30 | | 8 | 5.55 | 12.50 |
| | 6 | 8.45 | 24.00 | | 8 | 19.25 | 22.10 |
| | 7 | 0.00 | 0.30 | | 9 | 5.55 | 22.05 |
| | 7 | 8.45 | 24.00 | | 10 | 6.10 | 12.50 |
| | 8 | 0.00 | 0.30 | | 10 | 19.30 | 22.10 |
| | 8 | 8.35 | 23.55 | | 11 | 6.10 | 22.05 |
| | 9 | 0.00 | 0.20 | | | 0.10 | 22.00 |
| | 9 | 8.35 | 23.55 | 5/14/2003 | 1 | 6.15 | 13.00 |
| | 10 | 0.00 | 0.30 | 0/14/2000 | 1 | 19.55 | 22.45 |
| | 10 | 8.35 | 23.55 | | 2 | 6.15 | 13.00 |
| | 11 | 0.00 | 0.20 | | 2 | 19.55 | 22.45 |
| | 11 | 8.35 | 23.50 | | 3 | 6.15 | 13.00 |
| | | 0.00 | 20.00 | | 3 | 19.55 | 22.25 |
| 4/20/2003 | 1 | 19.00 | 22.20 | | 4 | 0.00 | 24.00 |
| .,_0,_00 | 2 | 19.05 | 22.20 | | 5 | 0.00 | 0.10 |
| | 3 | 8.05 | 24.00 | | 5 | 5.05 | 23.55 |
| | 4 | 8.05 | 24.00 | | 6 | 0.00 | 0.10 |
| | 5 | 18.50 | 22.20 | | 6 | 5.05 | 23.55 |
| | 6 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 8 | 6.15 | 23.55 |
| | 8 | 8.10 | 11.10 | | 9 | 6.15 | 13.00 |
| | 8 | 18.55 | 23.25 | | 9 | 19.50 | 23.55 |
| | 9 | 8.05 | 11.10 | | 10 | 6.15 | 22.45 |
| | 9 | 18.50 | 23.25 | | 11 | 19.50 | 22.25 |
| | 10 | 8.10 | 11.10 | | | | |
| | 11 | 8.05 | 11.10 | 5/15/2003 | 1 | 5.35 | 12.05 |
| | 11 | 18.50 | 23.30 | | 1 | 18.40 | 21.50 |
| | | | | | 2 | 5.35 | 12.05 |
| 4/21/2003 | 1 | 7.00 | 24.00 | | 2 | 18.40 | 21.50 |
| | 2 | 7.10 | 24.00 | | 3 | 5.40 | 12.05 |
| | 3 | 0.00 | 12.10 | | 3 | 18.40 | 24.00 |
| | 3 | 17.25 | 24.00 | | 4 | 0.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | 5 | 5.10 | 23.15 |
| | 5 | 6.55 | 12.10 | | 6 | 5.10 | 23.15 |
| | 5 | 17.15 | 24.00 | | 7 | 0.00 | 21.50 |
| | 6 | 0.00 | 12.10 | | 8 | 5.30 | 12.10 |
| | 6 | 17.15 | 24.00 | | 8 | 18.20 | 23.15 |
| | 7 | 0.00 | 24.00 | | 9 | 5.30 | 12.05 |
| | 8 | 6.15 | 24.00 | | 9 | 18.30 | 21.55 |
| | 9 | 6.05 | 24.00 | | 10 | 5.30 | 12.10 |
| | 10 | 8.55 | 24.00 | | 10 | 18.20 | 23.15 |
| | 11 | 6.35 | 12.10 | | 11 | 5.40 | 12.10 |
| | 11 | 17.30 | 24.00 | | 11 | 18.30 | 21.55 |
| | | | | | | | |
| 4/22/2003 | 1 | 0.00 | 0.25 | 5/16/2003 | 1 | 6.15 | 8.05 |
| | 1 | 7.05 | 12.25 | | 1 | 18.50 | 22.45 |
| | 1 | 17.15 | 22.30 | | 2 | 6.15 | 8.05 |
| | 2 | 0.00 | 0.25 | | 2 | 18.15 | 22.45 |

| | | Turbine Start | Turbine End | | | Turhine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| Date | 2 | 7.05 | 24.00 | Date | 3 | 0.00 | 24.00 |
| | 3 | 0.00 | 12.25 | | 4 | 0.00 | 24.00 |
| | 3 | 17.25 | 24.00 | | 5 | 5.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | 6 | 5.00 | 24.00 |
| | 5 | | 0.25 | | 7 | | |
| | | 0.00 | | | | 6.20 | 8.05 |
| | 5 | 7.05 | 12.25 | | 8 | 5.00 | 13.05 |
| | 5 | 17.15 | 24.00 | | 8 | 17.10 | 24.00 |
| | 6 | 0.00 | 24.00 | | 9 | 5.40 | 13.05 |
| | 7 | 0.00 | 24.00 | | 9 | 17.10 | 22.45 |
| | 8 | 0.00 | 0.45 | | 10 | 5.00 | 11.25 |
| | 8 | 7.05 | 12.57 | | 10 | 18.50 | 24.00 |
| | 8 | 17.15 | 24.00 | | 11 | 5.40 | 11.25 |
| | 9 | 0.00 | 0.45 | | 11 | 18.15 | 22.50 |
| | 9 | 6.20 | 12.25 | | | | |
| | 9 | 17.15 | 22.30 | 5/17/2003 | 1 | 13.40 | 24.00 |
| | 10 | 0.00 | 0.45 | | 2 | 13.55 | 24.00 |
| | 10 | 6.20 | 12.57 | | 3 | 0.00 | 24.00 |
| | 10 | 17.15 | 22.30 | | 4 | 0.00 | 24.00 |
| | 10 | 17.10 | 22.50 | | 5 | 0.00 | 0.20 |
| 4/23/2003 | 1 | 6.05 | 11.05 | | 6 | 9.30 | 24.00 |
| 4/23/2003 | 1 | | | | 7 | NA | NA |
| | | 18.25 | 22.10 | | | | |
| | 2 | 0.00 | 0.10 | | 8 | 0.00 | 0.05 |
| | 2 | 6.10 | 22.10 | | 8 | 9.30 | 24.00 |
| | 3 | 0.00 | 11.05 | | 9 | 0.00 | 0.04 |
| | 3 | 18.40 | 24.00 | | 9 | 9.30 | 24.00 |
| | 4 | 0.00 | 24.00 | | 10 | 0.00 | 0.05 |
| | 5 | 0.00 | 0.10 | | 10 | 13.40 | 24.00 |
| | 5 | 6.15 | 11.05 | | 11 | 13.40 | 24.00 |
| | 5 | 18.45 | 22.10 | | | | |
| | 6 | 0.00 | 24.00 | 5/18/2003 | 1 | 0.00 | 0.10 |
| | 7 | 0.00 | 24.00 | | 1 | 17.30 | 23.55 |
| | 8 | 0.00 | 0.10 | | 2 | 0.00 | 0.10 |
| | 8 | 6.10 | 24.00 | | 2 | 17.30 | 23.55 |
| | 9 | 6.05 | 11.05 | | 3 | 0.00 | 24.00 |
| | 9 | 18.45 | 22.10 | | 4 | 0.00 | 24.00 |
| | 10 | 6.10 | 24.00 | | 5 | 0.00 | 24.00 |
| | 11 | 6.05 | 11.05 | | 6 | 0.00 | 24.00 |
| | 11 | | | | 7 | | 24.00 NA |
| | 11 | 18.50 | 22.10 | | | NA 0.00 | |
| 4/04/0000 | 4 | 7.40 | 40.45 | | 8 | 0.00 | 24.00 |
| 4/24/2003 | 1 | 7.40 | 13.15 | | 9 | 0.00 | 0.10 |
| | 1 | 18.30 | 21.05 | | 9 | 17.30 | 24.00 |
| | 2 | 7.45 | 13.15 | | 10 | 0.00 | 24.00 |
| | 2 | 18.30 | 24.00 | | 11 | 0.00 | 0.25 |
| | 3 | 0.00 | 24.00 | | 11 | 17.30 | 24.00 |
| | 4 | 0.00 | 23.10 | | | | |
| | 5 | 7.35 | 23.10 | 5/19/2003 | 1 | 5.20 | 14.55 |
| | 6 | 0.00 | 13.15 | | 2 | 5.10 | 22.55 |
| | 6 | 18.30 | 21.05 | | 3 | 0.00 | 22.55 |
| | 7 | 0.00 | 21.05 | | 4 | 0.00 | 24.00 |
| | 8 | 0.00 | 0.30 | | 5 | 0.00 | 23.50 |
| | 8 | 6.45 | 23.10 | | 6 | 0.00 | 23.50 |
| | 9 | 6.55 | 13.15 | | 7 | 14.55 | 24.00 |
| | | | 22.50 | | | | |
| | 9 | 18.30 | | | 8 | 0.00 | 23.50 |
| | 10 | 0.00 | 0.25 | | 9 | 0.00 | 0.05 |
| | 10 | 6.45 | 13.20 | | 9 | 5.10 | 22.55 |
| | 10 | 18.30 | 23.10 | | 10 | 0.00 | 23.50 |
| | 11 | 7.35 | 13.20 | | 11 | 0.00 | 0.05 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|----------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| Bato | 11 | 18.30 | 22.50 | Bato | 11 | 5.25 | 22.55 |
| | | | | | | | |
| 4/25/2003 | 1 | 6.45 | 11.35 | 5/20/2003 | 1 | 7.00 | 13.45 |
| | 1 | 18.50 | 22.35 | | 2 | 7.00 | 13.45 |
| | 2 | 0.00 | 22.35 | | 3 | 7.00 | 13.45 |
| | 3 | 0.00 | 23.05 | | 4 | 0.00 | 24.00 |
| | 4 | 6.45 | 11.35 | | 5 | 4.55 | 24.00 |
| | 4 | 18.50 | 23.05 | | 6 | 4.55 | 24.00 |
| | 5 | 6.10 | 11.35 | | 7 | 0.00 | 24.00 |
| | 5 | 18.50 | 22.55 | | 8 | 6.25 | 22.50 |
| | 6 | 6.10 | 11.45 | | 9 | 6.25 | 22.50 |
| | 6 | 18.50 | 24.00 | | 10 | 6.25 | 22.50 |
| | 7 | 6.45 | 11.45 | | 11 | 6.25 | 22.50 |
| | 7 | 18.50 | 24.00 | | | 0.20 | 22.00 |
| | 8 | 6.10 | 11.45 | 5/21/2003 | 1 | 6.20 | 9.00 |
| | 8 | 18.50 | 22.35 | 0/21/2000 | 1 | 16.50 | 22.25 |
| | 9 | 6.10 | 11.35 | | 2 | 6.20 | 9.00 |
| | 9 | 18.50 | 23.05 | | 2 | 16.50 | 22.25 |
| | 10 | 6.45 | 11.45 | | 3 | 6.30 | 9.00 |
| | 10 | 18.50 | 22.55 | | 3 | 16.55 | 22.25 |
| | | | | | 4 | | |
| | 11 11 | 6.10 | 11.35 22.55 | | | 0.00 | 24.00 |
| | 11 | 18.50 | 22.55 | | 5 | | 24.00 |
| 4/00/0000 | 4 | 40.05 | 04.00 | | 6 | 0.00 | 24.00 |
| 4/26/2003 | 1 | 19.05 | 24.00 | | 7 | 0.00 | 24.00 |
| | 2 | 19.05 | 24.00 | | 8 | 6.00 | 22.25 |
| | 3 | 8.15 | 13.45 | | 9 | 6.25 | 9.00 |
| | 3 | 19.05 | 24.00 | | 9 | 16.10 | 22.25 |
| | 4 | 19.05 | 24.00 | | 10 | 6.00 | 22.25 |
| | 5 | 8.15 | 13.55 | | 11 | 6.00 | 9.00 |
| | 5 | 19.05 | 24.00 | | 11 | 16.10 | 22.25 |
| | 6 | 0.00 | 24.00 | | | | |
| | 7 | 0.00 | 24.00 | 5/22/2003 | 1 | 6.25 | 12.00 |
| | 8 | 8.15 | 13.50 | | 1 | 18.15 | 23.10 |
| | 8 | 19.05 | 24.00 | | 2 | 6.25 | 12.00 |
| | 9 | 8.15 | 13.55 | | 2 | 18.15 | 23.10 |
| | 9 | 19.05 | 24.00 | | 3 | 6.25 | 23.10 |
| | 10 | 8.15 | 13.50 | | 4 | 0.00 | 11.50 |
| | 10 | 19.05 | 24.00 | | 4 | 18.05 | 24.00 |
| | 11 | 8.15 | 13.45 | | 5 | 0.00 | 0.10 |
| | 11 | 19.05 | 24.00 | | 5 | 5.00 | 11.50 |
| | | | | | 5 | 18.05 | 24.00 |
| 4/27/2003 | 1 | 0.00 | 1.00 | | 6 | 0.00 | 0.10 |
| | 2 | 0.00 | 1.00 | | 6 | 5.00 | 11.50 |
| | 3 | 0.00 | 1.00 | | 6 | 18.30 | 24.00 |
| | 4 | 0.00 | 1.00 | | 7 | 0.00 | 24.00 |
| | 4 | 15.10 | 21.30 | | 8 | 6.20 | 11.55 |
| | 5 | 0.00 | 1.00 | | 8 | 18.05 | 23.15 |
| | 5 | 15.10 | 21.30 | | 9 | 5.00 | 23.15 |
| | 6 | 0.00 | 24.00 | | 10 | 5.10 | 11.55 |
| | 7 | 0.00 | 24.00 | | 10 | 18.05 | 23.15 |
| | 8 | 0.00 | 1.00 | | 11 | 6.20 | 11.55 |
| | 8 | 19.00 | 21.30 | | 11 | 18.20 | 23.10 |
| | 9 | 0.00 | 1.00 | | | | |
| | 9 | 15.20 | 21.30 | 5/23/2003 | 1 | 6.45 | 12.05 |
| | 10 | 0.00 | 1.00 | 0,20,2000 | 1 | 19.15 | 23.25 |
| | 10 | 15.10 | 21.30 | | 2 | 6.45 | 12.05 |
| | | 10.10 | <u>~ 1.00</u> | | | 0.70 | 12.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| Date | 11 | 19.00 | 21.30 | Date | 3 | 6.45 | 12.05 |
| | 1.1 | 19.00 | 21.50 | | 3 | 19.15 | 24.00 |
| 4/28/2003 | 1 | 20.25 | 24.00 | | 4 | 0.00 | 24.00 |
| 4/20/2003 | 2 | 20.25 | 24.00 | | 5 | 0.00 | 0.10 |
| | 3 | 20.25 | 24.00 | | 5 | 5.10 | 24.00 |
| | 4 | 5.50 | 24.00 | | 6 | 0.00 | 0.10 |
| | 5 | | 24.00 | | | | 23.25 |
| | | 5.50 | | | 6 | 5.10 | |
| | 6 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 8 | 6.10 | 12.05 |
| | 8 | 5.50 | 24.00 | | 8 | 19.15 | 23.25 |
| | 9 | 5.50 | 13.05 | | 9 | 6.25 | 12.05 |
| | 9 | 20.00 | 24.00 | | 9 | 19.05 | 23.55 |
| | 10 | 5.50 | 13.05 | | 10 | 6.10 | 12.05 |
| | 10 | 20.00 | 24.00 | | 10 | 19.05 | 23.25 |
| | 11 | 5.50 | 12.55 | | 11 | 6.25 | 12.05 |
| | 11 | 20.00 | 24.00 | | 11 | 19.05 | 23.55 |
| | | | | | | | |
| 4/29/2003 | 1 | 0.00 | 0.15 | 5/24/2003 | 1 | NA | NA |
| | 1 | 19.55 | 22.15 | | 2 | NA | NA |
| | 2 | 0.00 | 0.15 | | 3 | 0.00 | 0.05 |
| | 2 | 19.55 | 22.15 | | 4 | 0.00 | 24.00 |
| | 3 | 0.00 | 0.15 | | 5 | 0.00 | 0.05 |
| | 3 | 5.50 | 23.50 | | 5 | 7.20 | 24.00 |
| | 4 | 0.00 | 0.35 | | 6 | 7.20 | 24.00 |
| | 4 | 20.00 | 22.15 | | 7 | 0.00 | 24.00 |
| | 5 | 0.00 | 0.35 | | 8 | 9.20 | 23.50 |
| | 5 | 5.50 | 23.50 | | 9 | 9.35 | 13.10 |
| | 6 | 0.00 | 24.00 | | 9 | 20.35 | 23.50 |
| | 7 | 0.00 | 24.00 | | 10 | 9.20 | 23.45 |
| | 8 | 0.00 | 0.15 | | 11 | 9.35 | 13.10 |
| | 8 | 5.50 | 23.50 | | 11 | 20.35 | 23.45 |
| | 9 | 0.00 | 0.35 | | | 20.00 | 20.10 |
| | 9 | 6.15 | 14.20 | 5/25/2003 | 1 | 19.45 | 23.10 |
| | 9 | 19.55 | 22.15 | 0/20/2000 | 2 | 19.45 | 23.10 |
| | 10 | 0.00 | 0.15 | | 3 | 19.45 | 23.10 |
| | 10 | 6.15 | 14.15 | | 4 | 0.00 | 24.00 |
| | 10 | 19.55 | 22.15 | | 5 | 0.00 | 0.15 |
| | 11 | 0.00 | 0.35 | | 5 | 8.05 | 24.00 |
| | 11 | 6.15 | 14.05 | | 6 | | 0.15 |
| | 11 | 19.55 | 22.15 | | | 0.00 | |
| | 11 | 19.55 | 22.15 | | 6 | 8.05 | 24.00 |
| 4/00/0000 | 4 | 40.55 | 00.40 | | 7 | 0.00 | 24.00 |
| 4/30/2003 | 1 | 19.55 | 22.10 | | 8 | 11.00 | 23.15 |
| | 2 | 20.00 | 22.10 | | 9 | 13.20 | 23.10 |
| | 3 | 5.50 | 15.30 | | 10 | 11.00 | 23.15 |
| | 3 | 20.15 | 24.00 | | 11 | 13.20 | 23.10 |
| | 4 | 20.10 | 24.00 | | | 45.5= | 65.5- |
| | 5 | 5.50 | 15.30 | 5/26/2003 | 1 | 18.25 | 23.50 |
| | 5 | 20.20 | 22.10 | | 2 | 18.25 | 23.50 |
| | 6 | 0.00 | 24.00 | | 3 | 18.25 | 23.50 |
| | 7 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 8 | 5.55 | 11.55 | | 5 | 0.00 | 24.00 |
| | 8 | 20.10 | 22.15 | | 6 | 0.00 | 24.00 |
| | 9 | 5.50 | 15.30 | | 7 | 0.00 | 24.00 |
| | 9 | 19.55 | 24.00 | | 8 | 7.50 | 23.50 |
| | 10 | 5.55 | 11.55 | | 9 | 11.20 | 23.50 |
| | 10 | 20.10 | 22.15 | | 10 | 7.50 | 23.50 |
| | 11 | 5.50 | 11.55 | | 11 | 7.50 | 23.50 |

| | | Turbine Start | Turbine End | | | Turhing Start | Turbine End |
|----------|-------------|---------------|-------------|-----------|------------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| Date | 11 | 19.55 | 24.00 | Date | Offic (Variable) | 111110 | 11110 |
| | 11 | 19.55 | 24.00 | 5/27/2003 | 1 | 6.50 | 11.10 |
| 5/1/2003 | 1 | 20.25 | 22.15 | 3/21/2003 | 1 | 20.25 | 24.00 |
| 3/1/2003 | 2 | 20.25 | 22.15 | | 2 | 6.50 | 24.00 |
| | 3 | 0.00 | 0.15 | | 3 | 6.50 | 24.00 |
| | 3 | 5.10 | 23.55 | | 4 | 0.00 | 24.00 |
| | 4 | | 24.00 | | 5 | 0.00 | 24.00 |
| | | 0.00 | | | | | |
| | 5 | 5.10 | 23.55 | | 6 | 0.00 | 24.00 |
| | 6 | 0.00 | 0.15 | | 7 | 0.00 | 24.00 |
| | 6 | 20.25 | 22.15 | | 8 | 6.30 | 24.00 |
| | 7 | 0.00 | 24.00 | | 9 | 3.05 | 24.00 |
| | 8 | 6.05 | 23.45 | | 10 | 6.30 | 11.10 |
| | 9 | 0.00 | 0.15 | | 10 | 20.25 | 24.00 |
| | 9 | 20.00 | 23.45 | | 11 | 3.05 | 24.00 |
| | 10 | 6.10 | 23.55 | | | | |
| | 11 | 0.00 | 0.15 | 5/28/2003 | 1 | 0.00 | 0.15 |
| | 11 | 6.15 | 14.20 | | 1 | 6.15 | 10.55 |
| | 11 | 20.00 | 22.15 | | 1 | 16.55 | 24.00 |
| | | | | | 2 | 0.00 | 0.15 |
| 5/2/2003 | 1 | 20.25 | 22.20 | | 2 | 6.15 | 10.55 |
| | 2 | 20.25 | 22.20 | | 2 | 16.55 | 24.00 |
| | 3 | 5.10 | 22.20 | | 3 | 0.00 | 0.15 |
| | 4 | 0.00 | 24.00 | | 3 | 6.15 | 10.55 |
| | 5 | 5.10 | 24.00 | | 3 | 16.55 | 24.00 |
| | 6 | 20.25 | 24.00 | | 4 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 8 | 5.50 | 13.05 | | 6 | 0.00 | 24.00 |
| | 8 | 20.05 | 24.00 | | 7 | 0.00 | 24.00 |
| | 9 | 5.55 | 13.05 | | 8 | 0.00 | 24.00 |
| | 9 | 20.05 | 22.25 | | 9 | 0.00 | 0.15 |
| | 10 | 5.50 | 13.05 | | 9 | 6.15 | 24.00 |
| | 10 | 20.05 | 22.30 | | 10 | 0.00 | 24.00 |
| | 11 | 5.55 | 13.05 | | 11 | 0.00 | 24.00 |
| | 11 | 20.05 | 22.30 | | | 0.00 | 200 |
| | | 20.00 | 22.00 | 5/29/2003 | 1 | 0.00 | 1.20 |
| 5/3/2003 | 1 | 20.10 | 22.05 | 3/23/2000 | 1 | 6.05 | 9.50 |
| 3/3/2003 | 2 | 20.10 | 22.05 | | 1 | 18.00 | 23.15 |
| | 3 | 19.55 | 22.05 | | 2 | 0.00 | 1.20 |
| | 3 | 23.15 | 24.00 | | 2 | 6.10 | 9.50 |
| | 4 | 0.00 | 23.15 | | 2 | 18.00 | 23.15 |
| | 5 | 0.00 | 0.45 | | 3 | 0.00 | 1.20 |
| | 5 | 8.50 | 24.00 | | 3 | 6.05 | 9.50 |
| | | | | | 3 | | |
| | 6 | 0.00 | 0.45 | | | 18.00 | 23.15 |
| | 6 | 8.45 | 14.50 | | 4 | 0.00 | 24.00 |
| | 6 | 20.10 | 24.00 | | 5 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 8 | 0.00 | 0.45 | | 7 | 0.00 | 24.00 |
| | 8 | 8.50 | 14.50 | | 8 | 0.00 | 23.15 |
| | 8 | 19.55 | 24.00 | | 9 | 0.00 | 24.00 |
| | 9 | 9.25 | 13.35 | | 10 | 0.00 | 10.30 |
| | 9 | 19.55 | 22.40 | | 10 | 18.00 | 23.15 |
| | 10 | 9.20 | 13.35 | | 11 | 0.00 | 10.30 |
| | 10 | 19.55 | 24.00 | | 11 | 18.00 | 24.00 |
| | 11 | 9.25 | 13.35 | | | | |
| | 11 | 20.00 | 22.40 | 5/30/2003 | 1 | 6.10 | 11.05 |
| | | | | | 1 | 18.05 | 24.00 |
| 5/4/2003 | 1 | 19.30 | 22.20 | | 2 | 6.15 | 11.05 |

| | | Turbine Start | Turbine End | | | Turhine Start | Turbine End |
|----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| Date | 2 | 19.35 | 22.20 | Date | 2 | 18.05 | 24.00 |
| | 3 | 0.00 | 24.00 | | 3 | 6.15 | 11.05 |
| | 4 | 18.30 | 24.00 | | 3 | 18.05 | 24.00 |
| | 5 | 0.00 | 0.35 | | 4 | 0.00 | 24.00 |
| | 5 | 18.35 | 23.15 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 0.35 | | 6 | 0.00 | 24.00 |
| | 6 | 19.30 | 23.15 | | 7 | 0.00 | 24.00 |
| | 7 | 0.00 | 22.20 | | 8 | 6.25 | 24.00 |
| | 8 | 0.00 | 0.35 | | 9 | 0.00 | 11.25 |
| | 8 | 18.30 | 22.50 | | 9 | 17.00 | 24.00 |
| | 9 | 19.25 | 22.50 | | 10 | 6.10 | 24.00 |
| | 10 | 0.00 | 0.35 | | 11 | 0.00 | 11.25 |
| | 10 | 19.25 | 23.15 | | 11 | 17.00 | 24.00 |
| | 11 | 19.25 | 22.20 | | | 17.00 | 21.00 |
| | | 10.20 | 22.20 | 5/31/2003 | 1 | 0.00 | 0.35 |
| 5/5/2003 | 1 | 20.20 | 22.40 | 0/01/2000 | 1 | 9.05 | 21.15 |
| 0/0/2000 | 2 | 20.20 | 22.40 | | 2 | 0.00 | 0.35 |
| | 3 | 0.00 | 24.00 | | 2 | 10.10 | 11.00 |
| | 4 | 0.00 | 22.40 | | 2 | 18.00 | 21.15 |
| | 5 | 4.55 | 24.00 | | 3 | 0.00 | 0.04 |
| | 6 | 8.30 | 24.00 | | 3 | 10.10 | 21.15 |
| | 7 | 4.55 | 8.30 | | 4 | 0.00 | 9.05 |
| | 7 | 20.20 | 24.00 | | 4 | 10.10 | 24.00 |
| | 8 | 4.55 | 24.00 | | 5 | 0.00 | 11.00 |
| | 9 | 6.15 | 24.00 | | 5 | 18.00 | 24.00 |
| | 10 | 6.10 | 12.15 | | 6 | 0.00 | 11.00 |
| | 10 | 20.20 | 22.40 | | 6 | 18.00 | 24.00 |
| | 11 | 6.15 | 12.15 | | 7 | 0.00 | 24.00 |
| | 11 | 20.20 | 22.40 | | 8 | 0.00 | 2.00 |
| | | | | | 8 | 9.10 | 13.05 |
| 5/6/2003 | 1 | NA | NA | | 8 | 15.55 | 21.20 |
| | 2 | 10.05 | 22.10 | | 9 | 0.00 | 13.05 |
| | 3 | 0.00 | 22.10 | | 9 | 15.55 | 24.00 |
| | 4 | 5.20 | 22.10 | | 10 | 0.00 | 2.00 |
| | 5 | 5.20 | 7.35 | | 10 | 9.10 | 10.20 |
| | 5 | 10.05 | 22.10 | | 10 | 17.20 | 21.20 |
| | 6 | 7.35 | 22.10 | | 11 | 0.00 | 10.20 |
| | 7 | 0.00 | 22.10 | | 11 | 17.20 | 24.00 |
| | 8 | 5.20 | 10.05 | | | | |
| | 8 | 21.00 | 24.00 | 6/1/2003 | 1 | 17.15 | 20.15 |
| | 9 | 7.35 | 10.05 | | 2 | 17.15 | 20.15 |
| | 10 | 5.20 | 7.35 | | 3 | 17.15 | 20.15 |
| | 11 | 10.05 | 21.00 | | 4 | 0.00 | 24.00 |
| | | | | | 5 | 0.00 | 24.00 |
| 5/7/2003 | 1 | 6.10 | 12.35 | | 6 | 0.00 | 24.00 |
| | 1 | 20.10 | 22.05 | | 7 | 0.00 | 24.00 |
| | 2 | 6.10 | 12.30 | | 8 | 8.10 | 24.00 |
| | 2 | 20.10 | 22.05 | | 9 | 0.00 | 3.00 |
| | 3 | 6.10 | 9.15 | | 9 | 13.20 | 24.00 |
| | 3 | 20.10 | 22.05 | | 10 | 8.10 | 24.00 |
| | 4 | 12.35 | 24.00 | | 11 | 0.00 | 3.00 |
| | 5 | 6.10 | 9.15 | | 11 | 13.20 | 24.00 |
| | 5 | 12.30 | 24.00 | | | | |
| | 6 | 9.15 | 24.00 | 6/2/2003 | 1 | 6.15 | 24.00 |
| | 7 | 9.15 | 24.00 | | 2 | 6.15 | 24.00 |
| | 8 | 0.00 | 24.00 | | 3 | 6.15 | 24.00 |
| | 9 | 6.30 | 14.55 | | 4 | 0.00 | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|----------|-------------|---------------|-------------|------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 9 | 20.10 | 24.00 | | 5 | 0.00 | 24.00 |
| | 10 | 6.30 | 22.05 | | 6 | 0.00 | 24.00 |
| | 11 | 6.30 | 14.55 | | 7 | 0.00 | 24.00 |
| | 11 | 20.10 | 22.05 | | 8 | 0.00 | 0.20 |
| | | | | | 8 | 6.20 | 24.00 |
| 5/8/2003 | 1 | 20.05 | 22.10 | | 9 | 0.00 | 24.00 |
| | 2 | 20.05 | 22.10 | | 10 | 0.00 | 24.00 |
| | 3 | 20.05 | 22.10 | | 11 | 0.00 | 24.00 |
| | 4 | 6.15 | 23.15 | | | | |
| | 5 | 5.30 | 24.00 | | | | |
| | 6 | 6.15 | 24.00 | | | | |
| | 7 | 6.15 | 23.15 | | | | |
| | 8 | 0.00 | 23.15 | | | | |
| | 9 | 6.15 | 12.50 | | | | |
| | 9 | 20.05 | 22.10 | | | | |
| | 10 | 6.15 | 12.50 | | | | |
| | 10 | 20.05 | 22.10 | | | | |
| | 11 | 6.15 | 12.50 | | | | |
| | 11 | 20.05 | 22.10 | | | | |

| <u>4/1:</u> | 2/2004-5/31/2 | 004 | | | | | |
|-------------|---------------|-----------------------|---------------------|-----------|-------------|-----------------------|---------------------|
| | | | | | | | |
| | | Turbing Ctort | Turking End | | | Turbing Ctort | Turbina Ena |
| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
| 4/12/2004 | 1 | 7.15 | 24.00 | 5/7/2004 | | | 23.3 |
| ., | 2 | 7.15 | 24.00 | 5,1,200 | 2 | | 23.3 |
| | 3 | 0.00 | 24:00 | | 3 | | 23.3 |
| | 4 | 0.00 | 24.00 | | 4 | 0.00 | 24.0 |
| | 5 | 6.40 | 12.08 | | 5 | | 24.0 |
| | 5 | 17.05 | 24.00 | | 6 | | 24.0 |
| | 6 | 6.40 | 12.08 | | 7 | 0.00 | 24.0 |
| | 6 | 17.05 | 24.00 | | 8 | | 24.0 |
| | 7 | 7.15 | 12.08 | | 9 | | 23.3 |
| | 7 | 17.05 | 24.00 | | 10 | | 23.5 |
| | 8 | 6.40 | 24.00 | | 11 | 0.00 | 23.5 |
| | 9 | 7.00 | 12.08 | | | 0.00 | 20.0 |
| | 9 | 17.05 | 24.00 | 5/8/2004 | 1 | 8.20 | 23.1 |
| | 10 | 7.00 | 12.08 | 3/3/2004 | 2 | | 23.1 |
| | 10 | 17.05 | 24.00 | | 3 | | 24.0 |
| | 11 | 7.00 | 12.08 | | 4 | | 24.0 |
| | 11 | 17.05 | 24.00 | | 5 | | 23.1 |
| | | 17.05 | 24.00 | | 6 | | 24.0 |
| 4/13/2004 | 1 | 6.30 | 24.00 | | 7 | | 24.00 |
| 4/13/2004 | 2 | 6.30 | 24.00 | | 8 | | 23.1 |
| | 3 | 0.00 | 24.00 | | 9 | | 23.1 |
| | 4 | 0.00 | 24.00 | | 10 | | 23.1 |
| | 5 | 0.00 | 24.00 | | 11 | 8.15 | 23.1 |
| | 6 | 6.30 | 24.00 | | 11 | 0.13 | 23.1 |
| | 7 | 0.00 | 24.00 | 5/9/2004 | 1 | 8.10 | 14.1 |
| | 8 | 6.30 | 24.00 | 3/3/2004 | 1 | | 24.0 |
| | 9 | 6.30 | 24.00 | | 2 | | 14.1 |
| | 10 | 6.30 | 24.00 | | 2 | | 24.0 |
| | 11 | 6.30 | 24.00 | | 3 | | 24.0 |
| | | 0.30 | 24.00 | | 4 | | 24.0 |
| 4/14/2004 | 1 | 0.00 | 24.00 | | 5 | | |
| 4/14/2004 | 2 | 0.00 | 24.00 | | 5 | | |
| | 3 | 0.00 | 24.00 | | 6 | | 24.0 |
| | 3 4 | | 24.00 | | 7 | | |
| | 5 | 0.00 | 24.00 | | 8 | | |
| | 6 | 0.00 | 13.30 | | 8 | | |
| | 6 | 15.55 | 24.00 | | 9 | | |
| | 7 | 0.00 | 24.00 | | 10 | | |
| | 8 | 0.00 | 24.00 | | 11 | | |
| | 9 | 0.00 | 24.00 | | 11 | 0.10 | 24.0 |
| | 10 | 0.00 | 24.00 | 5/10/2004 | 1 | 0.00 | 0.2 |
| | 11 | 0.00 | 24.00 | 5/10/2004 | 1 | | |
| | 11 | 0.00 | 24.00 | | 2 | | 0.2 |
| 4/15/2004 | | | | | 2 | | |
| 4/15/2004 | 1 | 0.00 | 24.00 | | 3 | | |
| | 2 | 0.00 | 24.00 | | 4 | | 24.0 |
| | | 0.00 | 24.00 | | | | 0.3 |
| | 3 | 0.00 | 24.00 | | 4 | | |
| | 4 | 0.00 | 24.00 | | 5 | | |
| | 5 | 0.00 | 24.00 | | 5 | 5.40 | 24.0 |

| _ | | Turbine Start | Turbine End | _ | | Turbine Start | |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 6 | 0.00 | 24.00 | | 6 | 0.00 | 0.35 |
| | 7 | 0.00 | 3.20 | | 6 | 5.05 | 24.00 |
| | | 7.55 | 24.00 | | 7 | 0.00 | 24.00 |
| | 8 | 0.00 | 24.00 | | 8 | 0.00 | 0.20 |
| | 9 | 0.00 | 24.00 | | 8 | 5.05 | 24.00 |
| | 10 | 0.00 | 24.00 | | 9 | 0.00 | 0.20 |
| | 11 | 0.00 | 24.00 | | 9 | 5.40 | 24.00 |
| | | | | | 10 | 0.00 | 0.20 |
| 4/16/2004 | 1 | 0.00 | 24.00 | | 10 | 5.40 | 24.0 |
| | 2 | 0.00 | 24.00 | | 11 | 0.00 | 0.2 |
| | 3 | 0.00 | 24.00 | | 11 | 5.40 | 24.0 |
| | 4 | 0.00 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | 5/11/2004 | 1 | 0.00 | 0.0 |
| | 6 | 0.00 | 24.00 | | 1 | 6.45 | 24.0 |
| | 7 | 0.00 | 24.00 | | 2 | 0.00 | 0.0 |
| | 8 | 0.00 | 24.00 | | 2 | 6.45 | 23.5 |
| | 9 | 0.00 | 24.00 | | 3 | 0.00 | 24.0 |
| | 10 | 0.00 | 24.00 | | 4 | 0.00 | 24.0 |
| | 11 | 0.00 | 24.00 | | 5 | 0.00 | 0.0 |
| | | | | | 5 | 6.45 | 23.50 |
| 4/17/2004 | 1 | 0.00 | 24.00 | | 6 | 0.00 | 23.50 |
| | 2 | 0.00 | 24.00 | | 7 | 0.00 | 24.0 |
| | 3 | 0.00 | 24.00 | | 8 | 0.00 | 23.5 |
| | 4 | 0.00 | 24.00 | | 9 | 0.00 | 0.0 |
| | 5 | 0.00 | 24.00 | | 9 | 6.45 | 23.5 |
| | 6 | 0.00 | 24.00 | | 10 | 0.00 | 23.5 |
| | 7 | 0.00 | 24.00 | | 11 | 0.00 | 23.5 |
| | 8 | 0.00 | 24.00 | | | | |
| | 9 | 0.00 | 24.00 | 5/12/2004 | 1 | 0.00 | 24.0 |
| | 10 | 0.00 | 24.00 | | 2 | 6.15 | 23.4 |
| | 11 | 0.00 | 24.00 | | 3 | 0.00 | 24.0 |
| | | | | | 4 | 0.00 | 24.0 |
| 4/18/2004 | 1 | 0.00 | 24.00 | | 5 | 6.15 | 23.4 |
| | 2 | 0.00 | 24.00 | | 6 | 6.15 | 23.4 |
| | 3 | 0.00 | 24.00 | | 7 | 0.00 | 24.0 |
| | 4 | 0.00 | 24.00 | | 8 | 6.15 | 24.0 |
| | 5 | 0.00 | 24.00 | | 9 | | 24.0 |
| | 6 | 0.00 | 24.00 | | 10 | 6.10 | 24.0 |
| | 7 | 0.00 | 24.00 | | 11 | 6.10 | 24.0 |
| | 8 | 0.00 | 24.00 | | | | |
| | 9 | 0.00 | 24.00 | 5/13/2004 | 1 | 0.00 | 24.0 |
| | 10 | 0.00 | 24.00 | | 2 | | 24.0 |
| | 11 | 0.00 | 24.00 | | 3 | | 5.1 |
| | | | | | 3 | 12.15 | 24.0 |
| 4/19/2004 | 1 | 0.00 | 24.00 | | 4 | 0.00 | 24.0 |
| | 2 | 0.00 | 24.00 | | 5 | 6.20 | 24.0 |
| | 3 | 0.00 | 24.00 | | 6 | 6.20 | 24.0 |
| | 4 | 0.00 | 24.00 | | 7 | 0.00 | 24.0 |
| | 5 | 0.00 | 24.00 | | 8 | 0.00 | 24.0 |
| | 6 | 0.00 | 24.00 | | 9 | 0.00 | 24.0 |
| | 7 | 0.00 | 24.00 | | 10 | 0.00 | 24.0 |
| | 8 | 0.00 | 24.00 | | 11 | 0.00 | 24.0 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|-----------|----------------|---------------|-------------|-----------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 9 | 0.00 | 24.00 | | | | |
| | 10 | 0.00 | 24.00 | 5/14/2004 | 1 | 0.00 | 24.0 |
| | 11 | 0.00 | 24.00 | | 2 | 0.00 | 23.3 |
| | | | | | 3 | 0.00 | 23.3 |
| 4/20/2004 | 1 | 0.00 | 24.00 | | 4 | 0.00 | 24.0 |
| ,,,,, | 2 | 0.00 | 1.10 | | 5 | | 23.3 |
| | 2 | 7.15 | 23.40 | | 6 | 0.00 | 24.0 |
| | 3 | 0.00 | 1.10 | | 7 | 0.00 | 24.0 |
| | 3 | 7.15 | 24.00 | | 8 | 0.00 | 23.2 |
| | 4 | 0.00 | 24.00 | | 9 | 0.00 | 23. |
| | - 5 | 0.00 | 24.00 | | 10 | 0.00 | 23. |
| | | 0.00 | 23.40 | | 11 | 0.00 | 23.3 |
| | 6 7 7 | 0.00 | 1.10 | | 11 | 0.00 | 23. |
| | | | | 5/15/2004 | 1 | 0.00 | 4 |
| | | 7.15 | 23.40 | 5/15/2004 | | 0.00 | 1.3 |
| | 8 | 0.00 | 24.00 | | 1 | 8.30 | 22. |
| | 9 | 0.00 | 24.00 | | 2 | 8.30 | 22. |
| | 10 | 0.00 | 24.00 | | 3 | | 24. |
| | 11 | 0.00 | 24.00 | | 4 | 0.00 | 24. |
| | | | | | 5 | | 22. |
| 4/21/2004 | 1 | 0.00 | 24.00 | | 6 | 0.00 | 1.3 |
| | 2 | 6.20 | 15.35 | | 6 | 7.10 | 24.0 |
| | 2 | 19.55 | 24.00 | | 7 | 0.00 | 24. |
| | 3 | 0.00 | 24.00 | | 8 | 1.25 | 1. |
| | 4 | 0.00 | 24.00 | | 8 | 8.30 | 22. |
| | 5 | 0.00 | 24.00 | | 9 | 8.45 | 22. |
| | 6 | 6.25 | 15.35 | | 10 | 9.00 | 22. |
| | 6 | 19.55 | 24.00 | | 11 | 8.35 | 22. |
| | 7 | 6.25 | 15.35 | | | | |
| | 7 | 19.55 | 24.00 | | | | |
| | 8 | 6.15 | 24.00 | 5/16/2004 | 1 | 16.25 | 24. |
| | 9 | 0.00 | 15.35 | | 2 | 16.25 | 24. |
| | 9 | 19.55 | 24.00 | | 3 | 0.00 | 24. |
| | 10 | 0.00 | 24.00 | | 4 | 0.00 | 24. |
| | 11 | 0.00 | 24.00 | | 5 | 16.25 | 24. |
| | | | | | 6 | | |
| 4/13/2004 | 1 | 0.00 | 14.40 | | 7 | 0.00 | 24. |
| | 1 | 21.00 | 23.55 | | 8 | | |
| | 2 | 0.00 | 0.15 | | 9 | | |
| | 2 | 6.40 | 13.05 | | 9 | | |
| | 3 | 0.00 | 23.55 | | 10 | | |
| | 4 | 0.00 | 24.00 | | 10 | | |
| | 5 | 0.00 | 23.35 | | 11 | | |
| | 6 | 0.00 | 0.15 | | - 11 | 4.00 | 27. |
| | 6 | 6.45 | 13.05 | 5/17/2004 | 1 | 0.00 | 11. |
| | 6 | 21.00 | 23.35 | 3/11/2004 | 1 | 20.05 | |
| | 7 | 0.00 | 0.15 | | 2 | | |
| | 7 | 6.40 | 13.15 | | 2 | | |
| | | | | | 3 | | |
| | 7 | 14.35 | 24.00 | | | | |
| | 8 | 0.00 | 0.28 | | 4 | | |
| | 8 | 6.40 | 23.35 | | 5 | | |
| | 9 | 0.00 | 0.28 | | 5 | | |
| | 9 | 6.40 | 23.55 | | 6 | 6.35 | 24 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|---|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 0.00 | 13.05 | | 7 | 0.00 | 24.00 |
| | 10 | 18.48 | 23.45 | | 8 | 0.00 | 0.3 |
| | 11 | 0.00 | 13.05 | | 8 | 6.35 | 23.10 |
| | 11 | 18.48 | 23.45 | | 9 | 0.00 | 0.30 |
| | | | | | 9 | 6.15 | 23.1 |
| 4/23/2004 | 1 | 6.00 | 12.00 | | 10 | 0.00 | 0.30 |
| .,_0,_00 | 1 | 20.15 | 24.00 | | 10 | 6.15 | 23.1 |
| | 2 | 6.00 | 12.00 | | 11 | 6.15 | 23.15 |
| | 2 | 20.15 | 24.00 | | • | 0.10 | 20.11 |
| | 3 | 6.50 | 24.00 | 5/18/2004 | 1 | 6.20 | 24.0 |
| | 4 | 0.00 | 24.00 | 0/10/2004 | 2 | 6.20 | 11.2 |
| | 5 | 6.50 | 22.45 | | 2 | 20.25 | 23.1 |
| | 6 | 6.50 | 12.00 | | 3 | 0.00 | 24.0 |
| | 6 | 20.15 | 22.45 | | 4 | 0.00 | 24.0 |
| | | | | | | | |
| | 7 | 0.00 | 22.45 | | 5 | 6.15 | 11.2 |
| | 8 | 6.00 | 22.45 | | 5 | 20.25 | 23.19 |
| | 9 | 6.55 | 22.45 | | 6 | 0.00 | 11.20 |
| | 10 | 7.00 | 22.55 | | 6 | 20.25 | 23.20 |
| | 11 | 6.55 | 22.55 | | 7 | 0.00 | 24.00 |
| | | | | | 8 | 6.15 | 23.2 |
| 4/24/2004 | 1 | 0.00 | 10.35 | | 9 | 5.55 | 23.2 |
| | 1 | 11.25 | 24.00 | | 10 | 5.55 | 23.2 |
| | 2 | 0.00 | 10.40 | | 11 | 5.55 | 23.20 |
| | 2 | 20.50 | 24.00 | | | | |
| | 3 | 0.00 | 10.45 | 5/19/2004 | 1 | 0.00 | 23.1 |
| | 3 | 20.40 | 24.00 | | 2 | 7.45 | 11.4 |
| | 4 | 0.00 | 10.45 | | 2 | 20.25 | 23.1 |
| | 4 | 20.40 | 24.00 | | 3 | 0.00 | 24.0 |
| | 5 | 10.40 | 24.00 | | 4 | 0.00 | 11.4 |
| | 6 | 10.40 | 24.00 | | 4 | 10.25 | 24.0 |
| | 7 | 10.45 | 24.00 | | 5 | 7.45 | 11.4 |
| | 8 | 8.05 | 24.00 | | 7 | 20.25 | 23.1 |
| | 9 | 8.05 | 24.00 | | 8 | 7.45 | 24.0 |
| | 10 | 8.05 | 24.00 | | 7 | 0.00 | 24.0 |
| | 11 | 8.05 | 24.00 | | 8 | | 23.1 |
| | | | | | 9 | 6.05 | 23.1 |
| 4/25/2004 | 1 | 0.00 | 0.05 | | 10 | | 11.4 |
| | 1 | 20.00 | 24.00 | | 10 | | 23.1 |
| | 2 | 0.00 | 0.35 | | 11 | 6.05 | 11.4 |
| | 2 | 20.00 | 24.00 | | 11 | | 23.1 |
| | 3 | 0.00 | 24.00 | | | 20.20 | 25.1 |
| | 4 | 0.00 | 24.00 | 5/20/2004 | 1 | 7.45 | 11.1 |
| | 5 | 0.00 | 24.00 | 3/20/2004 | <u>.</u> 1 | | 22.5 |
| | 6 | 0.00 | 0.05 | | 2 | | 11.2 |
| | 6 | 19.55 | 24.00 | | 2 | | 22.0 |
| | 7 | 0.00 | 24.00 | | 3 | | 0.4 |
| | 8 | | | | 3 | | |
| | | 0.00 | 0.45 | | | | 22.5 |
| | 8 | 7.50 | 13.12 | | 4 | | 24.0 |
| | 8 | 19.50 | 24.00 | | 5 | | 11.1 |
| | 9 | 0.00 | 0.45 | | 5 | | 22.0 |
| | 9 | 7.50 | 13.12 | | 6 | | 0.4 |
| | 9 | 19.50 | 24.00 | | 6 | 5.25 | 22.0 |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-----------|-------------|-----------------------|---------------------|-----------|-------------|-----------------------|---------------------|
| Date | 10 | 0.00 | 0.35 | Date | 7 | 0.00 | 24.00 |
| | 10 | 7.50 | 24.00 | | 8 | 7.45 | 11.10 |
| | 11 | 0.00 | 0.05 | | 8 | 20.30 | 22.30 |
| | 11 | 19.50 | 24.00 | | 9 | 6.15 | 22.30 |
| | 11 | 19.50 | 24.00 | | 10 | 6.20 | 11.10 |
| 4/26/2004 | 1 | 0.00 | 0.50 | | 10 | 20.30 | 22.00 |
| | 1 | 5.55 | 10.35 | | 11 | 6.20 | 22.30 |
| | 1 | 19.20 | 24.00 | | | | |
| | 2 | 0.00 | 0.50 | 5/21/2004 | 1 | 6.30 | 24.00 |
| | 2 | 5.55 | 10.35 | | 2 | 7.25 | 12.30 |
| | 2 | 16.05 | 24.00 | | 2 | 20.30 | 24.0 |
| | 3 | 0.00 | 24.00 | | 3 | 6.30 | 24.00 |
| | 4 | 0.00 | 10.35 | | 4 | 0.00 | 24.00 |
| | 4 | 16.05 | 24.00 | | 5 | 7.25 | 12.30 |
| | 5 | 0.00 | 24.00 | | 5 | 20.30 | 24.00 |
| | 6 | 0.00 | 0.50 | | 6 | 7.25 | 12.30 |
| | 6 | 5.55 | 24.00 | | 6 | 20.35 | 24.00 |
| | 7 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 8 | 0.00 | 1.00 | | 8 | 7.25 | 24.00 |
| | 8 | 5.50 | 10.40 | | 9 | 6.30 | 24.00 |
| | 8 | 16.05 | 24.00 | | 10 | 6.30 | 24.00 |
| | 9 | 0.00 | 1.00 | | 11 | 6.30 | 12.30 |
| | 9 | 5.50 | 10.35 | | 11 | 20.35 | 24.00 |
| | 9 | 16.05 | 24.00 | | | | |
| | 10 | 0.00 | 24.00 | 5/22/2004 | 1 | 0.00 | 3.00 |
| | 11 | 0.00 | 0.50 | | 1 | 10.10 | 24.00 |
| | 11 | 5.55 | 24.00 | | 2 | 11.05 | 24.00 |
| | | | | | 3 | 0.00 | 24.00 |
| 4/27/2004 | 1 | 0.00 | 24.00 | | 4 | 3.00 | 24.0 |
| | 2 | 0.00 | 24.00 | | 5 | 11.05 | 24.0 |
| | 3 | 0.00 | 24.00 | | 6 | 11.05 | 24.0 |
| | 4 | 0.00 | 24.00 | | 7 | 0.00 | 24.0 |
| | 5 | 0.00 | 24.00 | | 8 | 11.05 | 24.0 |
| | 6 | 0.00 | 13.45 | | 9 | 10.10 | 24.0 |
| | 6 | 17.00 | 24.00 | | 10 | 10.10 | 24.0 |
| | 7 | 0.00 | 24.00 | | 11 | 10.10 | 24.0 |
| | 8 | 0.00 | 24.00 | | | | |
| | 9 | 0.00 | 24.00 | 5/23/2004 | 1 | 0.00 | 1.10 |
| | 10 | 0.00 | 24.00 | | 1 | 10.10 | 24.0 |
| | 11 | 0.00 | 24.00 | | 2 | | 0.1 |
| | | _ | | | 2 | 13.00 | 24.0 |
| 4/28/2004 | 1 | 0.00 | 24.00 | | 3 | | 24.0 |
| | 2 | 0.00 | 24.00 | | 4 | | 24.0 |
| | 3 | 0.00 | 24.00 | | 5 | | 0.1 |
| | 4 | 0.00 | 24.00 | | 5 | | 24.0 |
| | 5 | 0.00 | 24.00 | | 6 | | 0.1 |
| | 6 | 0.00 | 24.00 | | 6 | | 24.0 |
| | 7 | 0.00 | 24.00 | | 7 | 0.00 | 1.0 |
| | 8 | 0.00 | 24.00 | | 7 | 13.00 | 24.0 |
| | 9 | 0.00 | 24.00 | | 8 | | 1.1 |
| | 10 | 0.00 | 24.00 | | 8 | | 24.0 |
| | 11 | 0.00 | 24.00 | | 9 | 0.00 | 0.1 |

| Date Unit Number Ti 4/29/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 4/30/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 0 10 0 0 11 0 0 5/1/2004 1 0 5/1/2004 1 0 5 0 0 6 0 0 7 0 0 2 8 3 0 4 0 0 5 <td< th=""><th>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0</th><th>24.00 24.00 24.00 24.00 24.00 24.00</th><th>Date</th><th>Unit Number 9 10</th><th>Turbine Start Time 10.20 0.00</th><th>Time 24.00</th></td<> | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 24.00 24.00 24.00 24.00 24.00 24.00 | Date | Unit Number 9 10 | Turbine Start Time 10.20 0.00 | Time 24.00 |
|--|---|--|-----------|------------------------|--|------------|
| 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 4/30/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5 0 6 0 7 0 8 8 0 9 0 10 0 11 0 5 0 6 0 7 1 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 11 0 5 0 10 0 11 0 11 0 5 0 8 0 9 0 9 0 10 0 11 0 11 0 11 0 11 0 11 0 11 0 5 0 10 0 11 | 0.00 0.00 0.00 0.00 0.00 0.00 | 24.00 24.00 24.00 | | 10 | | |
| 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 4/30/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 8 2 0 2 8 8 0 9 0 10 0 11 0 11 8 2 0 2 8 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 11 0 5 0 10 0 11 0 11 0 11 0 5 0 10 0 11 0 | 0.00 0.00 0.00 0.00 0.00 0.00 | 24.00 24.00 24.00 | | | 0.00 | |
| 3 0 0 4 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0.00 0.00 0.00 0.00 | 24.00 24.00 | | 10 | | 1.10 |
| 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 4/30/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 5/1/2004 1 0 5 0 6 0 7 0 8 0 9 0 10 0 11 8 2 0 8 0 9 0 10 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 10 0 11 0 11 0 11 0 5 0 10 0 11 0 | 0.00 | 24.00 | | | 10.20 | 24.00 |
| 5 0 6 0 7 0 8 0 9 0 110 0 111 0 4/30/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 5 0 6 0 7 0 8 0 9 0 10 1 11 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 8 9 0 10 0 11 8 1 8 1 8 2 0 2 8 3 0 4 0 1 1 0 1 1 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 0 5 0 6 0 7 0 8 0 9 0 10 0 11 | 0.00 | | | 11 | 0.00 | 1.05 |
| 6 0 0 7 0 8 0 9 0 110 0 11 0 0 11 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 | 0.00 | 24.00 | | 11 | 13.00 | 24.00 |
| 7 0 0 8 0 9 0 10 0 11 0 0 11 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 | 0.00 | | | | | |
| 7 0 0 8 0 9 0 10 0 11 0 0 11 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 | 0.00 | 24.00 | 5/24/2004 | 1 | 0.00 | 24.00 |
| 8 0 9 0 10 0 11 0 4/30/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 11 8 2 0 2 8 3 0 4 0 11 | | 24.00 | | 2 | 0.00 | 24.00 |
| 9 0 10 0 11 0 4/30/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5 0 6 0 7 0 8 0 9 0 10 0 11 8 2 0 2 2 8 3 0 4 0 5 0 6 0 7 0 7 0 8 0 9 0 10 0 11 0 11 8 9 0 10 7 10 7 10 7 10 8 10 7 10 7 10 8 10 7 10 8 10 8 10 8 10 8 10 8 10 8 10 8 10 8 | | 24.00 | | 3 | | 24.00 |
| 10 0 0 11 0 0 11 0 0 11 0 0 0 11 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| 11 0 4/30/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5 0 2 2 8 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 8 2 0 2 2 8 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 1 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 1 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| 4/30/2004 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 2 0 2 8 3 0 4 0 5 0 6 0 7 7 0 8 8 0 9 0 10 0 11 8 2 0 2 8 3 0 4 0 5 0 6 0 7 8 8 0 9 0 10 0 11 0 11 8 2 0 2 1 8 3 0 4 0 5 0 6 0 7 0 8 0 10 0 11 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 5 0 6 0 7 0 6 0 7 0 8 0 9 0 11 0 11 0 11 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 | | | | 7 | 0.00 | 24.00 |
| 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 5 0 6 0 7 0 6 0 7 0 8 0 9 0 11 0 11 0 11 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 | | | | 8 | 0.00 | 24.00 |
| 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 5 0 6 0 7 0 6 0 7 0 8 0 9 0 11 0 11 0 11 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 | 0.00 | 24.00 | | 9 | 0.00 | 24.00 |
| 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 10 1 1 1 8 | 0.00 | 24.00 | | 10 | 0.00 | 24.00 |
| 4 0 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 10 0 11 0 | 0.00 | 24.00 | | 11 | 0.00 | 24.00 |
| 5 0 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 0 9 8 10 0 0 11 0 | 0.00 | 24.00 | | | | |
| 6 0 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | 5/25/2004 | 1 | 0.00 | 24.00 |
| 7 0 8 0 9 0 10 0 11 0 5/1/2004 1 0 5/1/2004 1 0 2 0 2 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | 0,20,2001 | 2 | 0.00 | 2.45 |
| 8 0 9 0 110 0 111 0 5/1/2004 1 0 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | | 2 | 4.00 | 23.25 |
| 9 0 10 0 11 0 5/1/2004 1 0 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | | 3 | | 24.00 |
| 10 0 11 0 5/1/2004 1 0 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| 5/1/2004 1 0 5/1/2004 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | | 5 | 0.00 | 23.25 |
| 5/1/2004 1 0 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 0 9 8 10 0 11 0 | | 21.00 | | 7 | 0.00 | 23.30 |
| 1 8 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 0 9 8 10 0 11 0 | 0.00 | 2.15 | | 8 | 0.00 | 23.40 |
| 2 0 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 0 9 8 10 0 11 0 | 3.00 | 24.00 | | 9 | 0.00 | 19.55 |
| 2 8 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 2.15 | | 9 | 20.05 | 23.35 |
| 3 0 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 3.00 | 24.00 | | 10 | 0.00 | 23.35 |
| 4 0 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | | 11 | 0.00 | 23.35 |
| 5 0 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | | | 0.00 | 20.00 |
| 6 0 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | 5/26/2004 | 1 | 0.00 | 22.45 |
| 7 0 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 24.00 | 3/20/2004 | 2 | | 21.55 |
| 7 8 8 0 9 0 9 8 10 0 11 0 | 0.00 | 2.15 | | 3 | | 24.00 |
| 8 0 9 0 9 8 10 0 11 0 5/2/2004 1 0 | 3.00 | 24.00 | | 4 | | 22.45 |
| 9 0 9 8 10 0 11 0 5/2/2004 1 0 | 0.00 | 24.00 | | 5 | | 21.55 |
| 9 8 10 0 11 0 5/2/2004 1 0 | 0.00 | 2.15 | | 6 | | 21.55 |
| 10 0 11 0 5/2/2004 1 0 | 3.00 | 24.00 | | 7 | | 24.00 |
| 11 0 5/2/2004 1 0 | 0.00 | 24.00 | | 8 | | 22.30 |
| 5/2/2004 1 0 | 0.00 | 24.00 | | 9 | | 22.30 |
| | | ۷٦.٥٥ | | 10 | | 21.55 |
| | 0.00 | 1.10 | | 11 | | 22.30 |
| 1 1 1 | 7.10 | 24.00 | | 11 | 0.50 | 22.30 |
| | 0.00 | 24.00 | 5/27/2004 | 1 | 7.10 | 24.00 |
| | 0.00 | 24.00 | 3/21/2004 | 2 | | 23.55 |
| | 0.00 | 24.00 | | 3 | | 24.00 |
| | 0.00 | 3.25 | | 4 | | 24.00 |
| | 7.15 | 24.00 | | 5 | | 23.55 |
| | | 1.15 | | 6 | | 23.55 |
| | 00.0 | 24.00 | | 7 | | 24.00 |
| 7 0 | 7.15 | 1.15 | | 8 | | 24.00 |

| 5 . | 11.241 | Turbine Start | Turbine End | 5. | | Turbine Start | |
|----------|-------------|---------------|-------------|-----------|-------------|---------------|------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 7 | 3.25 | 24.00 | | 9 | 8.05 | 24.0 |
| | 8 | 0.00 | 1.10 | | 10 | 8.05 | 24.0 |
| | 8 | 8.35 | 24.00 | | 11 | 8.05 | 24.0 |
| | 9 | 0.00 | 1.10 | | | | |
| | 9 | 17.10 | 24.00 | 5/28/2004 | 1 | 0.00 | 24.0 |
| | 10 | 0.00 | 1.10 | | 2 | 7.50 | 23.5 |
| | 10 | 8.35 | 23.19 | | 3 | 0.00 | 24.0 |
| | 11 | 0.00 | 1.10 | | 4 | 0.00 | 24.0 |
| | 11 | 8.35 | 24.00 | | 5 | 7.50 | 23.5 |
| | | | | | 6 | 7.50 | 23.5 |
| 5/3/2004 | 1 | 0.00 | 22.55 | | 7 | 0.00 | 24.0 |
| | 2 | 0.00 | 24.00 | | 8 | 7.50 | 24.0 |
| | 3 | 0.00 | 24.00 | | 9 | 7.50 | 24.0 |
| | 4 | 0.00 | 24.00 | | 10 | 7.50 | 24.0 |
| | 5 | 0.00 | 22.55 | | 11 | 0.00 | 24.0 |
| | 6 | 0.00 | 22.55 | | | | |
| | 7 | 0.00 | 22.55 | 5/29/2004 | 1 | 0.00 | 24.0 |
| | 8 | 0.00 | 22.50 | | 2 | 8.25 | 24.0 |
| | 9 | 0.00 | 22.50 | | 3 | 0.00 | 24.0 |
| | 10 | 1.05 | 13.21 | | 4 | 0.00 | 24.0 |
| | 11 | 0.00 | 22.50 | | 5 | 8.20 | 24.0 |
| | | | | | 6 | 8.25 | 24.0 |
| 5/4/2004 | 1 | 5.20 | 24.00 | | 7 | 0.00 | 24.0 |
| | 2 | 0.00 | 24.00 | | 8 | 0.00 | 0.0 |
| | 3 | 0.00 | 24.00 | | 8 | 8.20 | 24.0 |
| | 4 | 0.00 | 24.00 | | 9 | 0.00 | 24.0 |
| | 5 | 5.20 | 24.00 | | 10 | 0.00 | 0.0 |
| | 6 | 5.25 | 24.00 | | 10 | 8.20 | 24.0 |
| | 7 | 5.25 | 24.00 | | 11 | 0.00 | 24.0 |
| | 8 | 5.25 | 24.00 | | | | |
| | 9 | 5.20 | 24.00 | 5/30/2004 | 1 | 0.00 | 7.4 |
| | 10 | 3.00 | 3.20 | 0/00/2004 | 1 | 12.10 | 24.0 |
| | 10 | 5.25 | 24.00 | | 2 | 0.00 | 0.0 |
| | 11 | 5.20 | 24.00 | | 2 | | 24.0 |
| | 11 | 3.20 | 24.00 | | 3 | | 24.0 |
| 5/5/2004 | 1 | 0.00 | 24.00 | | 4 | | 7.4 |
| 3/3/2004 | 2 | | | | 4 | | |
| | 3 | 0.00 | 24.00 | | 5 | | 24.0 |
| | | 0.00 | 24.00 | | 5 | | 0.0 |
| | 4 | 0.00 | 24.00 | | | | 24.0 |
| | 5 | 0.00 | 24.00 | | 6 | | 0.0 |
| | 6 | 0.00 | 24.00 | | 6 | | 24.0 |
| | 7 | 0.00 | 24.00 | | 7 | | 24.0 |
| | 8 | 0.00 | 24.00 | | 8 | | 0.0 |
| | 9 | 0.00 | 24.00 | | 8 | | 24.0 |
| | 10 | 0.00 | 24.00 | | 9 | | 0.1 |
| | 11 | 0.00 | 24.00 | | 9 | | 24.0 |
| | | | | | 10 | | 0.1 |
| 5/6/2004 | 1 | 0.00 | 24.00 | | 10 | | 24.0 |
| | 2 | 0.00 | 24.00 | | 11 | | 0.1 |
| | 3 | 0.00 | 24.00 | | 11 | 12.35 | 24.0 |
| | 4 | 0.00 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | 5/31/2004 | 1 | 0.00 | 24.0 |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|------|-------------|-----------------------|---------------------|------|-------------|-----------------------|---------------------|
| | 6 | 0.00 | 24.00 | | 2 | 0.00 | 0.25 |
| | 7 | 0.00 | 24.00 | | 2 | 14.05 | 23.20 |
| | 8 | 0.00 | 24.00 | | 3 | 0.00 | 24.00 |
| | 9 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 10 | 0.00 | 24.00 | | 5 | 0.00 | 0.25 |
| | 11 | 0.00 | 24.00 | | 5 | 14.00 | 23.20 |
| | | | | | 6 | 0.00 | 0.25 |
| | | | | | 6 | 14.00 | 23.20 |
| | | | | | 7 | 0.00 | 24.00 |
| | | | | | 8 | 0.00 | 0.35 |
| | | | | | 8 | 14.00 | 23.20 |
| | | | | | 9 | 0.00 | 0.35 |
| | | | | | 9 | 10.25 | 23.20 |
| | | | | | 10 | 0.00 | 0.25 |
| | | | | | 10 | 10.25 | 23.20 |
| | | | | | 11 | 0.00 | 0.35 |
| | | | | | 11 | 10.25 | 23.20 |

| | 4/15/2005-6/3 | <u>/2005</u> | | | | | |
|-----------|---------------|---------------|----------------|-----------|-------------|---------------|-------------|
| | | | | | | | |
| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 4/15/2005 | 1 | 0:00 | 0.25 | 5/10/2005 | 1 | NA | NA |
| | 1 | 6.00 | 22.15 | | 2 | 0.35 | 24.00 |
| | 2 | 0:00 | 0.25 | | 3 | 6.15 | 18.20 |
| | 2 | 5.35 | 22.15 | | 4 | 0.00 | 0.40 |
| | 3 | 0.00 | 0.25 | | 4 | 6.15 | 24.00 |
| | 3 | 5.15 | 23.35 | | 5 | NA | NA |
| | 4 | 0.00 | 0.25 | | 6 | 18.20 | 23.30 |
| | 4 | 5.15 | 23.35 | | 7 | 0.00 | 23.30 |
| | 5 | 0.00 | 0.25 | | 8 | 8.10 | 23.25 |
| | 5 | 6.00 | 22.05 | | 9 | 20.20 | 23.25 |
| | 6 | 0.00 | 24.00 | | 10 | 12.10 | 23.30 |
| | 7 | 0.00 | 24.00 | | 11 | NA NA | NA |
| | 8 | 0.00 | 0.25 | | | 10/ | 14/1 |
| | 8 | 5.15 | 22.15 | 5/11/2005 | 1 | NA | NA |
| | 9 | 6.00 | 22.15 | 3/11/2003 | 2 | 0.00 | 24.00 |
| | 10 | 0.00 | 0.25 | | 3 | 8.05 | 23.40 |
| | 10 | 6.00 | 23.35 | | 4 | 0.00 | 17.35 |
| | 11 | 0.00 | 0.25 | | 5 | NA | NA |
| | 11 | 6.00 | 22.15 | | 6 | 8.05 | 23.40 |
| | - 11 | 0.00 | 22.13 | | 7 | 20.05 | 24.00 |
| 4/16/2005 | 1 | 8.35 | 22.10 | | 8 | 12.10 | 17.35 |
| 4/10/2003 | 2 | 8.35 | 24.00 | | 8 | 20.05 | 23.25 |
| | | | | | 9 | | |
| | 3 | 7.25 | 24.00 | | 10 | 20.05 8.05 | 23.25 |
| | 4 | 7.25 | 24.00 | | | | 17.35 |
| | 5 | 8.35 0.00 | 22.10 22.10 | | 11 | NA | NA |
| | 7 | | | E/42/200E | 4 | NIA | NΙΛ |
| | 8 | 0.00 8.35 | 24.00 22.10 | 5/12/2005 | 2 | 0.00 | NA 24.00 |
| | 9 | 7.30 | 22.10 | | 3 | 8.10 | 22.15 |
| | | | | | | | |
| | 10 | 7.30 | 24.00 | | 4 | 8.10 | 16.05 |
| | 11 | 7.30 | 22.10 | | 4 | 20.15 | 22.15 |
| 4/47/0005 | 4 | 44.00 | 40.45 | | 5 | | NA |
| 4/17/2005 | 1 | 14.00 | 16.15 | | 6 | | NA 24.00 |
| | 1 | 19.35 | 24.00 | | 7 | | 24.00 |
| | 2 | 0.00 | 24.00 | | 8 | | 16.05 |
| | 3 | 0.00 | 0.30 | | 9 | | 16.05 |
| | 3 | 13.20 | 24.00 | | 10 | 20.15 | 22.15 |
| | 4 | 0.00 | 0.30 | | 11 | 20.15 | 22.15 |
| | 4 | 13.20 | 24.00 | F/40/000F | 4 | NIA | NIA |
| | 5 | 14.35 | 16.15 | 5/13/2005 | | | NA 24.00 |
| | 5 | 19.35 | 24.00 | | 2 | 0.00 | 24.00 |
| | 6 | 14.35 | 16.15 | | 3 | | 11.45 |
| | 6 | 19.35 | 24.00 | | 3 | | 22.00 |
| | 7 | 0.00 | 24.00 | | 4 | | 11.45 |
| | 8 | 14.00 | 16.15 | | 4 | | 22.00 |
| | 8 | 19.40 | 24.00 | | 5 | | NA |
| | 9 | 13.20 | 24.00 | | 6 | | NA |
| | 10 | 0.00 | 0.30 | | 7 | | 24.00 |
| | 10 | 12.15 | 24.00 | | 8 | 19.55 | 22.00 |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-----------|-------------|-----------------------|---------------------|-----------|-------------|-----------------------|---------------------|
| rate | 11 | | | Date | 9 | | |
| | 11 | 13.20 | 24.00 | | 10 | 6.05 NA | 11.45 NA |
| 4/40/0005 | 4 | 0.00 | 0.40 | | | | |
| 4/18/2005 | 1 | 0.00 | 0.40 | | 11 | NA | NA |
| | 1 | 6.40 | 21.15 | 5/44/0005 | | | |
| | 2 | 0.00 | 24.00 | 5/14/2005 | 1 | | |
| | 3 | 0.00 | 22.00 | | 2 | | |
| | 4 | 0.00 | 10.05 | | 3 | | |
| | 4 | 13.20 | 16.00 | | 4 | | |
| | 4 | 19.00 | 22.00 | | 5 | | |
| | 5 | 0.00 | 0.40 | | 6 | | |
| | 5 | 6.40 | 10.05 | | 7 | | |
| | 5 | 13.20 | 16.00 | | 8 | | |
| | 5 | 19.00 | 21.10 | | 9 | | |
| | 6 | 0.00 | 10.05 | | 10 | | |
| | 6 | 13.20 | 16.00 | | 11 | | |
| | 6 | 19.00 | 24.00 | | | | |
| | 7 | 0.00 | 0.40 | 5/15/2005 | 1 | NA | NA |
| | 7 | 6.40 | 21.15 | | 2 | 0.00 | 24.00 |
| | 8 | 0.00 | 0.40 | | 3 | NA | NA |
| | 8 | 6.40 | 16.00 | | 4 | NA | NA |
| | 8 | 19.00 | 21.15 | | 5 | NA | NA |
| | 9 | 0.00 | 0.40 | | 6 | NA | NA |
| | 9 | 6.40 | 10.05 | | 7 | 0.00 | 24.00 |
| | 9 | 13.20 | 16.00 | | 8 | NA | NA |
| | 9 | 19.00 | 21.15 | | 9 | NA | NA |
| | 10 | 0.00 | 0.40 | | 10 | NA | NA |
| | 10 | 6.40 | 10.05 | | 11 | NA | NA |
| | 10 | 13.20 | 21.15 | | | 10.0 | 1471 |
| | 11 | 0.00 | 0.40 | 5/16/2006 | 1 | NA | NA |
| | 11 | 64.00 | 10.05 | 0,10,2000 | 2 | 0.00 | 24.00 |
| | 11 | 13.20 | 16.00 | | 3 | NA | NA |
| | 11 | 19.00 | 21.15 | | 4 | 6.15 | 22.10 |
| | 11 | 19.00 | 21.15 | | 5 | 7.55 | 19.20 |
| 4/19/2005 | 1 | 12.10 | 23.35 | | 6 | | |
| 4/19/2003 | | 12.10 | | | 7 | 6.15 | 22.10 |
| | 2 | 0.00 | 24.00 | | | 0.00 | 7.55 |
| | 3 | 5.25 | 23.35 | | 7 | 19.20 | 24.00 |
| | 4 | 5.25 | 16.10 | | 8 | 9.00 | 14.52 |
| | 4 | 19.00 | 23.20 | | 8 | 20.05 | 22.10 |
| | 5 | 12.10 | 16.10 | | 9 | 6.15 | 17.00 |
| | 5 | 19.00 | 23.20 | | 9 | 20.05 | 22.10 |
| | 6 | 0.00 | 16.10 | | 10 | NA | NA |
| | 6 | 19.00 | 23.20 | | 11 | NA | NA |
| | 7 | 12.10 | 24.00 | | | | |
| | 8 | 12.10 | 23.35 | 5/17/2005 | 1 | 14.00 | 22.15 |
| | 9 | 12.10 | 16.10 | | 2 | 0.00 | 24.00 |
| | 9 | 19.00 | 22.15 | | 3 | 10.20 | 22.15 |
| | 10 | 5.25 | 16.10 | | 4 | 6.10 | 14.00 |
| | 10 | 19.15 | 23.20 | | 5 | NA | NA |
| | 11 | 12.10 | 16.10 | | 6 | 6.10 | 10.20 |
| - | 11 | 19.00 | 23.20 | | 7 | 0.00 | 24.00 |
| | | | | | 8 | NA | NA |
| 4/20/2005 | 1 | 8.05 | 22.30 | | 9 | NA | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|----------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 2 | 0.00 | 8.05 | | 10 | NA | NA |
| | 3 | 12.05 | 22.30 | | 11 | NA | NA |
| | 3 | 6.05 | 22.30 | | | | |
| | 4 | 6.05 | 16.15 | 5/18/2005 | 1 | 6.10 | 7.15 |
| | 4 | 19.20 | 22.30 | | 1 | 19.10 | 22.45 |
| | 5 | 12.05 | 16.05 | | 2 | 0.00 | 24.00 |
| | 5 | 19.20 | 22.20 | | 3 | 6.10 | 15.25 |
| | 6 | 12.05 | 16.15 | | 3 | 19.10 | 22.45 |
| | 6 | 19.20 | 24.00 | | 4 | NA | NA |
| | 7 | 0.00 | 24.00 | | 5 | 7.15 | 15.25 |
| | 8 | 12.05 | 16.05 | | 6 | NA | NA |
| | 8 | 19.20 | 22.30 | | 7 | 0.00 | 24.00 |
| | 9 | 12.05 | 21.00 | | 8 | 6.10 | 15.25 |
| | 10 | 6.05 | 22.20 | | 9 | NA | NA |
| | 11 | 12.05 | 16.05 | | 10 | 19.10 | 22.45 |
| | 11 | 19.20 | 22.30 | | 11 | NA | NA |
| | | | | | | | |
| 4/22/2005 | 1 | 6.00 | 11.45 | 5/19/2005 | 1 | NA | NA |
| | 1 | 19.25 | 22.20 | | 2 | 0.00 | 24.00 |
| | 2 | 6.00 | 11.45 | | 3 | 6.05 | 16.00 |
| | 2 | 19.25 | 21.20 | | 3 | 20.05 | 22.00 |
| | 3 | 5.35 | 13.00 | | 4 | NA | NA |
| | 3 | 18.00 | 22.20 | | 5 | NA | NA |
| | 4 | 5.35 | 13.00 | | 6 | 6.05 | 16.00 |
| | 4 | 18.00 | 22.20 | | 6 | 20.05 | 22.00 |
| | 5 | 6.00 | 11.45 | | 7 | 0.00 | 24.00 |
| | 5 | 19.25 | 212.00 | | 8 | NA | NA |
| | 6 | 0.00 | 24.00 | | 9 | NA | NA |
| | 7 | 0.00 | 24.00 | | 10 | 6.05 | 9.15 |
| | 8 | 5.35 | 11.45 | | 10 | 20.05 | 22.00 |
| | 8 | 18.00 | 22.20 | | 11 | NA | NA |
| | 9 | 5.35 | 11.45 | | | | |
| | 9 | 19.25 | 22.20 | 5/20/2005 | 1 | NA | NA |
| | 10 | 5.35 | 11.45 | | 2 | 0.00 | 24.00 |
| | 10 | 19.25 | 22.20 | | 3 | 7.00 | 22.25 |
| | 11 | 6.00 | 11.45 | | 4 | NA | NA |
| | 11 | 19.25 | 22.20 | | 5 | NA | NA |
| | | | | | 6 | 4.40 | 17.05 |
| 4/22/2005 | 1 | 6.10 | 24.00 | | 6 | 20.00 | 22.25 |
| | 2 | 6.10 | 10.55 | | 7 | 0.00 | 4.30 |
| | 2 | 19.55 | 21.30 | | 7 | 10.00 | 24.00 |
| | 3 | 5.00 | 21.30 | | 8 | NA | NA |
| | 4 | 5.00 | 21.50 | | 9 | NA | NA |
| | 5 | 6.10 | 10.55 | | 10 | 10.00 | 17.05 |
| | 5 | 19.55 | 21.30 | | 10 | 20.00 | 22.25 |
| | 6 | 0.00 | 24.00 | | 11 | NA | NA |
| | 7 | 0.00 | 10.55 | | | | |
| | 7 | 19.55 | 19.55 | 5/21/2005 | 1 | NA | NA |
| | 8 | 5.55 | 10.55 | 5,2.,2000 | 2 | 0.00 | 24.00 |
| | 8 | 19.45 | 21.50 | | 3 | 9.20 | 15.00 |
| | 9 | 5.55 | 10.55 | | 4 | NA | NA |
| | 9 | 19.45 | 21.40 | | 5 | NA NA | NA NA |

| | | Turbine Start | | | | Turbine Start | |
|-----------|-------------|---------------|------------|------------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 5.55 | 10.55 | | 6 | 9.20 | 15.00 |
| | 10 | 19.05 | 21.40 | | 7 | 0.00 | 24.00 |
| | 11 | 6.10 | 10.55 | | 8 | NA | NA |
| | 11 | 19.05 | 21.40 | | 9 | NA | NA |
| | | | | | 10 | NA | NA |
| 4/23/2005 | 1 | 0.00 | 22.35 | | 11 | NA | NA |
| | 2 | 19.30 | 24.00 | | | | |
| | 3 | 8.10 | 22.15 | 5/22/2005 | 1 | NA | NA |
| | 4 | 8.10 | 22.35 | | 2 | 0.00 | 24.00 |
| | 5 | 19.30 | 22.15 | | 3 | NA | NA |
| | 6 | 0.00 | 24.00 | | 4 | NA | NA |
| | 7 | 19.30 | 22.15 | | 5 | NA | NA |
| | 8 | 8.10 | 14.05 | | 6 | NA | NA |
| | 8 | 19.30 | 22.35 | | 7 | 0.00 | 24.00 |
| | 9 | 8.10 | 22.35 | | 8 | NA | NA |
| | 10 | 8.10 | 14.05 | | 9 | NA | NA |
| | 10 | 19.30 | 22.15 | | 10 | NA | NA |
| | 11 | 19.30 | 22.15 | | 11 | NA | NA |
| | | | | | | | |
| 4/24/2005 | 1 | 19.15 | 22.20 | 5/23/2005 | 1 | NA | NA |
| | 2 | 0.00 | 22.20 | | 2 | 0.00 | 24.00 |
| | 3 | 15.00 | 24.00 | | 3 | 20.25 | 22.00 |
| | 4 | 15.00 | 24.00 | | 4 | 8.15 | 17.15 |
| | 5 | 19.15 | 22.20 | | 4 | | 22.00 |
| | 6 | 0.00 | 24.00 | | 5 | | NA |
| | 7 | 19.15 | 24.00 | | 6 | 8.25 | 17.15 |
| | 8 | 19.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 9 | 19.00 | 22.20 | | 8 | NA | NA |
| | 10 | 15.00 | 22.20 | | 9 | | NA |
| | 11 | 19.15 | 22.20 | | 10 | | 17.15 |
| | | | | | 10 | | 24.00 |
| 4/24/2005 | 1 | NA | NA | | 11 | 11.15 | 17.15 |
| .,,_ | 2 | NA | NA | | | | |
| | 3 | | 24.00 | 5/24/2005 | 1 | 9.00 | 15.25 |
| | 4 | 5.05 | 24.00 | 0/2 1/2000 | 2 | | 24.00 |
| | 5 | NA | NA | | 3 | | 22.00 |
| | 6 | 0.00 | 24.00 | | 4 | | 22.00 |
| | 7 | 0.00 | 24.00 | | 4 | | 23.05 |
| | 8 | 6.15 | 13.05 | | 5 | | 23.03 NA |
| | 8 | 19.30 | 22.10 | | 6 | | 15.25 |
| | 9 | 6.15 | 13.05 | | 7 | | 24.00 |
| | 9 | 19.30 | 22.10 | | 8 | | 22.46 |
| | 10 | 6.15 | 13.05 | | 9 | | 22.46 NA |
| | 10 | 19.30 | 22.10 | | 10 | | 15.25 |
| | 11 | 6.15 | 13.05 | | 10 | | 22.00 |
| | 11 | 19.30 | 22.10 | | 10 | | 22.00 NA |
| | 11 | 18.30 | 22.10 | | 17 | INA | INA |
| A/06/0005 | 4 | NΙΛ | NIA | F/0F/000F | | NIA | NIA |
| 4/26/2005 | 1 | NA NA | NA NA | 5/25/2005 | 1 | | NA |
| | 2 | NA 0.00 | NA 0.25 | | 2 | | 24.00 |
| | 3 | 0.00 | 0.25 | | 3 | | NA 45.05 |
| | 3 | 6.00 | 21.55 | | 4 | | 15.05 |
| | 4 | 0.00 | 0.25 | | 4 | 20.10 | 22.20 |

| | | Turbine Start | Turbine End | | | Turbine Start | |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 4 | 6.00 | 21.55 | | 5 | NA | NA |
| | 5 | NA | NA | | 6 | 8.30 | 15.05 |
| | 6 | 0.00 | 24.00 | | 6 | 20.10 | 22.20 |
| | 7 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 8 | 6.00 | 21.55 | | 8 | NA | NA |
| | 9 | 6.00 | 21.55 | | 9 | 19.40 | 19.45 |
| | 10 | 6.00 | 21.55 | | 10 | 8.30 | 15.05 |
| | 11 | 6.00 | 21.55 | | 11 | 20.10 | 22.20 |
| | | | | | | | |
| 4/27/2005 | 1 | 19.05 | 23.20 | 5/26/2005 | 1 | NA | NA |
| | 2 | 19.05 | 23.20 | | 2 | 0.00 | 24.00 |
| | 3 | 6.00 | 23.20 | | 3 | 8.10 | 16.25 |
| | 4 | 6.00 | 23.20 | | 4 | 8.20 | 16.25 |
| | 5 | 19.05 | 23.20 | | 5 | NA | NA |
| | 6 | 0.00 | 24.00 | | 6 | NA | NA |
| | 7 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 8 | 6.00 | 23.20 | | 8 | NA | NA |
| | 9 | 6.00 | 23.20 | | 9 | NA | NA |
| | 10 | 6.00 | 23.20 | | 10 | 17.20 | 17.22 |
| | 11 | 6.00 | 23.20 | | 11 | NA | NA |
| | | 0.00 | 25.20 | | | 14/-1 | IVA |
| 4/28/2005 | 1 | 5.55 | 10.00 | 5/27/2005 | 1 | 10.30 | 20.55 |
| 4/20/2003 | 1 | 19.15 | 22.50 | 3/21/2003 | 2 | 0.00 | 24.00 |
| | 2 | 5.55 | 22.30 | | 3 | 10.40 | 20.55 |
| | | | | | | | |
| | 3 | 5.00 | 10.00 | | 4 | NA | NA |
| | 3 | 19.15 | 22.50 | | 5 | NA 10.05 | NA |
| | 4 | 5.00 | 24.00 | | 6 | 10.35 | 24.00 |
| | 5 | 5.55 | 10.00 | | 7 | 0.00 | 10.35 |
| | 5 | 19.15 | 22.50 | | 8 | NA | NA |
| | 6 | 0.00 | 24.00 | | 9 | NA | NA |
| | 7 | 0.00 | 24.00 | | 10 | NA | NA |
| | 8 | 5.55 | 22.50 | | 11 | NA | NA |
| | 9 | 5.55 | 10.00 | | | | |
| | 9 | 18.20 | 22.50 | 5/28/2005 | 1 | NA | NA |
| | 10 | 5.00 | 10.00 | | 2 | 0.00 | 24.00 |
| | 10 | 18.20 | 22.50 | | 3 | 12.05 | 18.05 |
| | 11 | 5.55 | 10.00 | | 4 | 12.05 | 18.05 |
| | 11 | 19.15 | 22.50 | | 5 | NA | NA |
| | | | | | 6 | 0.00 | 24.00 |
| 4/29/2005 | 1 | 6.00 | 11.15 | | 7 | NA | NA |
| | 1 | 19.05 | 23.10 | | 8 | NA | NA |
| | 2 | 6.00 | 23.10 | | 9 | NA | NA |
| | 3 | 5.05 | 11.15 | | 10 | NA | NA |
| - | 3 | 19.05 | 23.10 | | 11 | NA | NA |
| - | 4 | 0.00 | 23.10 | | | | - |
| - | 5 | 6.00 | 11.15 | 5/29/2005 | 1 | NA | NA |
| | 5 | 19.05 | 23.10 | | 2 | 0.00 | 24.00 |
| | 6 | 5.05 | 24.00 | | 3 | 13.10 | 17.10 |
| | 7 | 0.00 | 24.00 | | 4 | 13.10 | 17.10 |
| | 8 | 5.05 | 23.10 | | 5 | NA | NA |
| | 9 | 6.00 | 11.15 | | 6 | 0.00 | 24.00 |
| | 9 | 19.05 | 23.10 | | 7 | NA | NA |

| | | Turbine Start | | | | Turbine Start | |
|------------|-------------|---------------|-------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 6.00 | 23.10 | | 8 | NA | NA |
| | 11 | 6.00 | 11.15 | | 9 | NA | NA |
| | 11 | 19.05 | 23.10 | | 10 | NA | NA |
| | | | | | 11 | NA | NA |
| 4/30/2005 | 1 | 8.10 | 11.15 | | | | |
| | 1 | 17.55 | 24.00 | 5/30/2005 | 1 | NA | NA |
| | 2 | 8.10 | 24.00 | | 2 | 0.00 | 1.09 |
| | 3 | 7.05 | 12.10 | | 3 | 1.15 | 24.00 |
| | 3 | 16.50 | 22.00 | | 4 | NA | NA |
| | 4 | 7.05 | 11.20 | | 5 | NA | NA |
| | 4 | 16.50 | 22.00 | | 6 | 0.00 | 24.00 |
| | 5 | 8.10 | 11.15 | | 7 | NA | NA |
| | 5 | 18.00 | 22.00 | | 8 | NA | NA |
| | 6 | 0.00 | 12.10 | | 9 | 22.00 | 23.25 |
| | 6 | 16.50 | 24.00 | | 10 | NA | NA |
| | 7 | 0.00 | 24.00 | | 11 | NA | NA |
| | 8 | 7.05 | 11.45 | | | | |
| | 8 | 16.50 | 22.00 | 5/31/2005 | 1 | 11.00 | 18.25 |
| | 9 | 8.10 | 11.45 | 0/01/2000 | 2 | 13.00 | 18.25 |
| | 9 | 17.55 | 22.00 | | 3 | 0.00 | 24.00 |
| | 10 | 8.10 | 11.35 | | 4 | 11.00 | 13.00 |
| | 10 | 17.55 | 22.00 | | 5 | NA | NA |
| | 11 | 8.10 | 11.35 | | 6 | 0.00 | 24.00 |
| | | | | | 7 | | 24.00 NA |
| | 11 | 17.55 | 22.00 | | | NA NA | |
| E /4 /000E | 4 | 0.00 | 0.00 | | 8 | NA | NA |
| 5/1/2005 | 1 | 0.00 | 0.20 | | 9 | NA | NA |
| | 1 | 20.00 | 24.00 | | 10 | NA | NA |
| | 2 | 0.00 | 24.00 | | 11 | NA | NA |
| | 3 | 13.55 | 24.00 | | | | |
| | 4 | 13.55 | 23.15 | 6/1/2005 | 1 | 10.05 | 17.00 |
| | 5 | 20.00 | 23.15 | | 1 | 21.05 | 22.35 |
| | 6 | 0.00 | 0.20 | | 2 | 10.25 | 17.00 |
| | 6 | 20.00 | 23.15 | | 3 | 0.00 | 0.50 |
| | 7 | 0.00 | 24.00 | | 3 | 10.05 | 19.05 |
| | 8 | 13.55 | 23.25 | | 3 | 21.05 | 22.35 |
| | 9 | 20.00 | 23.25 | | 4 | 10.05 | 17.00 |
| | 10 | 20.00 | 23.15 | | 4 | 21.05 | 22.35 |
| | 11 | 20.00 | 23.15 | | 5 | 10.25 | 17.00 |
| | | | | | 6 | 0.00 | 24.00 |
| 5/2/2005 | 1 | 0.00 | 0.35 | | 7 | NA | NA |
| | 1 | 6.05 | 12.15 | | 8 | NA | NA |
| | 1 | 19.05 | 24.00 | | 9 | NA | NA |
| | 2 | 0.00 | 19.10 | | 10 | NA | NA |
| | 3 | 0.00 | 0.35 | | 11 | NA | NA |
| | 3 | 5.15 | 14.00 | | | | |
| | 3 | 18.10 | 24.00 | 6/2/2005 | 1 | 12.15 | 17.00 |
| | 4 | 5.15 | 14.00 | | 1 | 20.10 | 22.10 |
| | 4 | 18.10 | 24.00 | | 2 | NA | NA |
| | 5 | 6.05 | 12.15 | | 3 | 12.15 | 17.00 |
| | 5 | 19.05 | 22.30 | | 3 | | 22.10 |
| | 6 | 6.05 | 12.15 | | 4 | 12.15 | 17.00 |
| | 6 | 19.05 | 22.30 | | 4 | 20.10 | 22.10 |

| | Linit Niverbar | Turbine Start | Turbine End | Doto | Linit Number | Turbine Start | |
|--|----------------|---------------|-------------|----------|--------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 7 | 0.00 | 24.00 | | 5 | NA | NA |
| | 8 | 6.05 | 12.15 | | 6 | 0.00 | 24.00 |
| | 8 | 18.10 | 22.30 | | 7 | NA | NA |
| | 9 | 6.05 | 12.15 | | 8 | NA | NA |
| | 9 | 19.05 | 22.30 | | 9 | NA | NA 17.00 |
| | 10 | 6.05 | 12.15 | | 10 | 12.15 | 17.00 |
| | 10 | 19.05 | 22.30 | | 10 | 20.10 | 22.10 |
| | 11 | 6.05 | 14.00 | | 11 | NA | NA |
| | 11 | 19.05 | 22.30 | | | | |
| | | | | 6/3/2005 | 1 | 11.10 | 11.20 |
| 5/3/2005 | 1 | 0.00 | 0.10 | | 1 | 11.50 | 24.00 |
| | 1 | 6.20 | 12.10 | | 2 | NA | NA |
| | 1 | 19.10 | 22.30 | | 3 | NA | NA |
| | 2 | 6.20 | 19.15 | | 4 | 11.10 | 11.20 |
| | 3 | 0.00 | 0.10 | | 4 | 11.50 | 20.45 |
| | 3 | 5.40 | 12.10 | | 5 | 11.50 | 18.50 |
| | 3 | 17.55 | 22.30 | | 6 | 0.00 | 18.50 |
| | 4 | 0.00 | 13.15 | | 7 | NA | NA |
| | 4 | 17.55 | 24.00 | | 8 | NA | NA |
| | 5 | 6.20 | 12.10 | | 9 | NA | NA |
| | 5 | 19.15 | 22.20 | | 10 | 11.18 | 11.20 |
| | 6 | 5.40 | 13.15 | | 10 | 15.15 | 18.50 |
| | 6 | 19.15 | 22.30 | | 11 | NA | NA |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 6.20 | 13.15 | | | | |
| | 8 | 17.55 | 22.15 | | | | |
| | 9 | 6.20 | 12.10 | | | | |
| | 9 | 18.50 | 22.25 | | | | |
| | 10 | 6.20 | 12.10 | | | | |
| | 10 | 18.50 | 22.25 | | | | |
| | 11 | 6.20 | 12.10 | | | | |
| | 11 | 18.50 | 22.25 | | | | |
| 5/4/2005 | 1 | 20.10 | 22.10 | | | | |
| | 2 | 20.30 | 24.00 | | | | |
| | 3 | 5.10 | 23.15 | | | | |
| | 4 | 0.00 | 24.00 | | | | |
| | 5 | 20.30 | 22.10 | | | | |
| | 6 | 5.10 | 23.15 | | | | |
| | 7 | 0.00 | 22.20 | | | | |
| | 8 | 6.15 | 9.55 | | | | |
| | 8 | 20.25 | 22.10 | | | | |
| | 9 | 20.10 | 22.20 | | | | |
| <u>- </u> | 10 | 6.15 | 9.55 | | | | |
| <u>- </u> | 10 | 20.25 | 22.10 | | | | <u></u> |
| | 11 | 6.15 | 9.55 | | | | |
| | 11 | 20.10 | 22.20 | | | | - |
| 5/5/2005 | 1 | 6.25 | 12.10 | | | | |
| 3/3/2003 | 1 | 19.40 | 22.00 | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | | 24.00 | | | | |

| | | Turbine Start | Turbine End | | | Turbine Start | |
|----------|-------------|---------------|-------------|------|-------------|---------------|------|
| ate | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 4 | 0.00 | 9.00 | | | | |
| | 4 | 19.40 | 22.05 | | | | |
| | 5 | 6.25 | 9.00 | | | | |
| | 5 | 19.40 | 22.00 | | | | |
| | 6 | 6.25 | 12.10 | | | | |
| | 6 | 17.55 | 23.20 | | | | |
| | 7 | 5.20 | 9.00 | | | | |
| | 7 | 17.55 | 23.20 | | | | |
| | 8 | 6.25 | 9.00 | | | | |
| | 8 | 17.55 | 23.20 | | | | |
| | 9 | 6.25 | 12.10 | | | | |
| | 9 | 19.40 | 22.00 | | | | |
| | 10 | 6.25 | 12.10 | | | | |
| | 10 | 19.40 | 22.00 | | | | |
| | 11 | 6.25 | 12.10 | | | | |
| | 11 | 19.40 | 22.00 | | | | |
| | | 13.40 | 22.00 | | | | |
| 5/6/2005 | 1 | 6.15 | 11.15 | | | | |
| 3/0/2003 | 1 | 19.00 | 21.15 | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | | | | | | | |
| | 3 | 0.00 | 11.15 | | | | |
| | 3 | 19.00 | 23.15 | | | | |
| | 4 | 5.25 | 12.00 | | | | |
| | 4 | 16.20 | 23.15 | | | | |
| | 5 | 6.15 | 11.15 | | | | |
| | 5 | 19.00 | 21.15 | | | | |
| | 6 | 5.25 | 12.00 | | | | |
| | 6 | 16.20 | 21.15 | | | | |
| | 7 | 6.15 | 24.00 | | | | |
| | 8 | 6.15 | 12.00 | | | | |
| | 8 | 16.45 | 21.15 | | | | |
| | 9 | 6.15 | 11.15 | | | | |
| | 9 | 19.00 | 21.15 | | | | |
| | 10 | 6.15 | 12.00 | | | | |
| | 10 | 16.45 | 23.15 | | | | |
| | 11 | 6.15 | 11.15 | | | | |
| | 11 | 19.00 | 21.15 | | | | |
| | | | | | | | |
| 5/7/2005 | 1 | 20.10 | 21.55 | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 20.10 | 23.05 | | | | |
| | 4 | 7.45 | 23.05 | | | | |
| | 5 | 20.10 | 21.55 | | | | |
| | 6 | 7.45 | 21.55 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 8.00 | 12.35 | | | | |
| | 8 | 20.10 | 23.05 | | | | |
| | 9 | 8.00 | 12.35 | | | | |
| | 9 | 20.10 | 21.55 | | | | |
| | 10 | 8.00 | 12.35 | | | | |
| | 10 | 20.10 | 21.55 | | | | |
| | 11 | 20.10 | 21.55 | | | | |

| Data | Linit Niverbox | Turbine Start | Turbine End | Data | Linit Niveshau | Turbine Start Time | Turbine End Time |
|----------|----------------|---------------|-------------|------|----------------|-----------------------|---------------------|
| Date | Unit Number | Time | Time | Date | Unit Number | rime | rime |
| | | | | | | | |
| 5/8/2005 | | 19.10 | 21.45 | | | | |
| | 2 | | 24.00 | | | | |
| | 3 | | 22.50 | | | | |
| | 4 | 14.10 | 22.50 | | | | |
| | 5 | 19.10 | 21.45 | | | | |
| | 6 | 14.10 | 21.45 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 19.00 | 21.45 | | | | |
| | 9 | 19.00 | 21.50 | | | | |
| | 10 | 19.00 | 21.45 | | | | |
| | 11 | 19.10 | 21.50 | | | | |
| | | | | | | | |
| 5/9/2005 | 1 | 20.15 | 20.20 | | | | |
| | 2 | 0.00 | 14.05 | | | | |
| | 3 | 6.10 | 11.20 | | | | |
| | 4 | 17.40 | 23.05 | | | | |
| | 4 | 6.10 | 24.00 | | | | |
| | 5 | NA | NA | | | | |
| | 6 | | 14.05 | | | | |
| | 6 | | 23.05 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | | 22.15 | | | | |
| | 9 | | 14.05 | | | | |
| | 9 | | 22.15 | | | | |
| | 10 | 6.10 | 11.40 | | | | |
| | 10 | 19.00 | 22.15 | | | | |
| | 11 | NA | NA | | | | |

| <u>4/</u> | 3/2006-6/5/20 | <u>06</u> | | | | | |
|-----------|---------------|---------------|-------------|----------|-------------|---------------|-------------|
| | | | | | | | |
| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 4/3/2006 | 1 | NA | NA | 5/4/2006 | 1 | NA | NA |
| | 2 | NA | NA | | 2 | NA | NA |
| | 3 | 6.00 | 10.15 | | 3 | 6.05 | 22.24 |
| | 3 | 17.30 | 21.20 | | 4 | 6.05 | 22.24 |
| | 4 | 6.00 | 10.15 | | 5 | 0.00 | 24.00 |
| | 4 | 17.30 | 21.20 | | 6 | NA | NA |
| | 5 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 8 | 6.05 | 22.24 |
| | 7 | NA | NA | | 9 | 7.00 | 21.17 |
| | 8 | NA | NA | | 10 | 7.00 | 10.00 |
| | 9 | NA | NA | | 10 | 17.10 | 21.17 |
| | 10 | 6.00 | 10.15 | | 11 | 17.10 | 21.17 |
| | 11 | NA | NA | | | | |
| | | | | 5/5/2006 | 1 | NA | NA |
| 4/4/2006 | 1 | NA | NA | | 2 | NA | NA |
| | 2 | NA | NA | | 3 | NA | NA |
| | 3 | 16.10 | 24.00 | | 4 | 6.30 | 23.25 |
| | 4 | 6.10 | 21.12 | | 5 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 6 | 6.30 | 23.45 |
| | 6 | 0.00 | 10.55 | | 7 | 0.00 | 24.00 |
| | 6 | 16.10 | 21.12 | | 8 | 18.50 | 22.15 |
| | 7 | 6.10 | 10.55 | | 9 | 7.10 | 22.15 |
| | 8 | 6.10 | 10.55 | | 10 | 7.10 | 22.15 |
| | 9 | 16.10 | 21.12 | | 11 | 17.08 | 22.15 |
| | 10 | 7.15 | 10.55 | | | | |
| | 10 | 16.10 | 21.12 | 5/6/2006 | 1 | NA | NA |
| | 11 | NA | NA | | 2 | NA | NA |
| | | | | | 3 | NA | NA |
| 4/5/2006 | 1 | NA | NA | | 4 | 7.57 | 12.55 |
| | 2 | NA | NA | | 4 | 14.05 | 23.10 |
| | 3 | 0.00 | 11.30 | | 5 | | 24.00 |
| | 4 | 16.00 | 24.00 | | 6 | | 12.55 |
| | 5 | 0.00 | 24.00 | | 6 | | 22.15 |
| | 6 | 6.10 | 21.28 | | 7 | | 24.00 |
| | 7 | 6.30 | 11.30 | | 8 | | 22.15 |
| | 7 | 16.00 | 21.28 | | 9 | | 22.15 |
| | 8 | 16.00 | 21.28 | | 10 | | 22.10 |
| | 9 | 6.10 | 11.30 | | 11 | | 22.10 |
| | 10 | NA | NA | | | | - |
| | 11 | NA | NA | 5/7/2006 | 1 | NA | NA |
| | | | | | 2 | | NA |
| 4/6/2006 | 1 | NA | NA | | 3 | | NA |
| | 2 | NA | NA | | 4 | | 22.00 |
| | 3 | NA | NA | | 5 | | 24.00 |
| | 4 | 0.00 | 22.30 | | 6 | | 22.00 |
| | 5 | 0.00 | 24.00 | | 7 | | 24.00 |
| | 6 | 6.05 | 11.10 | | 8 | | NA |
| | 6 | 16.10 | 24.00 | | 9 | | NA |
| | 7 | 6.06 | 11.10 | | 10 | | 22.00 |

| Date | Unit Number | Turbine Start Time | Time | Date | Unit Number | Turbine Start Time | Turbine Er |
|-----------|-------------|-----------------------|-------------|------------|-------------|-----------------------|-------------|
| Date | 7 | 16.05 | 22.30 | Date | 11 | NA | NA |
| | 8 | 6.05 | 11.10 | | 11 | INA | INA |
| | 8 | 16.05 | 22.30 | 5/8/2006 | 1 | NA | NA |
| | 9 | NA | NA | 3/0/2000 | 2 | NA NA | NA NA |
| | 10 | NA NA | NA NA | | 3 | NA NA | NA NA |
| | 11 | NA NA | NA NA | | 4 | 5.53 | 12.02 |
| | 11 | INA | INA | | 4 | 17.10 | 22.30 |
| 4/7/0000 | | NIA | NIA | | | | |
| 4/7/2006 | 1 | NA | NA | | 5 | 0.00 | 24.00 |
| | 2 | NA | NA | | 6 | 5.53 | 12.02 |
| | 3 | NA | NA | | 6 | 17.10 | 22.30 |
| | 4 | 5.12 | 23.15 | | 7 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 8 | NA | NA |
| | 6 | 0.00 | 12.05 | | 9 | 17.10 | 20.10 |
| | 6 | 17.30 | 24.00 | | 10 | 5.53 | 12.02 |
| | 7 | 5.12 | 12.05 | | 10 | 17.10 | 20.10 |
| | 7 | 17.30 | 23.15 | | 11 | NA | NA |
| | 8 | 6.20 | 12.05 | | | | |
| | 9 | 17.30 | 20.18 | 5/9/2006 | 1 | NA | NA |
| | 10 | 6.20 | 12.05 | | 2 | NA | NA |
| | 11 | 173.00 | 20.18 | | 3 | NA | NA |
| | | | | | 4 | 7.00 | 22.15 |
| 4/8/2006 | 1 | NA | NA | | 5 | 0.00 | 24.00 |
| | 2 | NA | NA | | 6 | 7.00 | 22.15 |
| | 3 | NA | NA | | 7 | 0.00 | 24.00 |
| | 4 | 7.38 | 12.05 | | 8 | NA | NA |
| | 4 | 16.10 | 23.20 | | 9 | 7.00 | 22.15 |
| | 5 | 0.00 | 24.00 | | 10 | NA | NA |
| | 6 | 0.00 | 24.00 | | 11 | NA | NA |
| | 7 | 7.38 | 12.05 | | | | |
| | 7 | 16.10 | 22.05 | 5/10/2006 | 1 | NA | NA |
| | 8 | 7.38 | 12.05 | 5, 15, 200 | 2 | 17.11 | 23.08 |
| | 8 | 16.10 | 22.05 | | 3 | NA | NA |
| | 9 | 16.10 | 23.20 | | 4 | 6.05 | 10.27 |
| | 10 | 19.00 | 22.05 | | 5 | | 24.00 |
| | 11 | 19.00 | 23.20 | | 6 | 6.05 | 24.00 |
| | | 19.00 | 23.20 | | 7 | 0.00 | 23.08 |
| 4/9/2006 | 1 | NA | NA | | 8 | NA | 23.08 NA |
| 4/9/2000 | 2 | | | | | | 10.27 |
| | | NA | NA | | 9 | 6.05 | |
| | 3 | NA 7.15 | NA 12.05 | | 9 | 20.10 | 23.05 |
| | 4 | 7.15 | 13.05 | | 10 | 20.10 | 23.05 |
| | 4 | 17.10 | 23.35 | | 11 | 17.11 | 23.05 |
| | 5 | 0.00 | 24.00 | =116 | | 20 := | |
| | 6 | 0.00 | 24.00 | 5/11/2006 | 1 | 22.47 | 24.00 |
| | 7 | 7.15 | 13.05 | | 2 | NA | NA |
| | 7 | 17.10 | 23.35 | | 3 | | 24.00 |
| | 8 | 18.45 | 22.40 | | 4 | | 21.00 |
| | 9 | 10.30 | 13.05 | | 5 | 0.00 | 24.00 |
| | 9 | 18.45 | 22.40 | | 6 | 0.00 | 24.00 |
| | 10 | 18.45 | 22.40 | | 7 | 6.15 | 10.00 |
| | 11 | 18.45 | 22.40 | | 7 | 17.30 | 21.00 |
| | | | | | 8 | NA | NA |
| 5/10/2006 | 1 | 6.18 | 9.11 | | 9 | 6.15 | 10.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|----------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 2 | 6.18 | 9.11 | | 9 | 17.30 | 21.00 |
| | 3 | 6.18 | 9.11 | | 10 | NA | NA |
| | 4 | 5.10 | 12.00 | | 11 | 6.15 | 10.00 |
| | 4 | 17.00 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | 5/12/2006 | 1 | 0.00 | 1.15 |
| | 6 | 0.00 | 24.00 | | 2 | NA | NA |
| | 7 | 5.10 | 12.00 | | 3 | 0.00 | 1.15 |
| | 7 | 17.00 | 24.00 | | 4 | 6.10 | 24.00 |
| | 8 | 6.08 | 9.11 | | 5 | 0.00 | 24.00 |
| | 8 | 18.20 | 22.15 | | 6 | 0.00 | 24.00 |
| | 9 | 6.08 | 11.03 | | 7 | 6.10 | 24.00 |
| | 9 | 17.00 | 22.15 | | 8 | NA | NA |
| | 10 | 6.08 | 11.03 | | 9 | 16.10 | 23.35 |
| | 10 | 18.20 | 22.15 | | 10 | 11.15 | 23.35 |
| | 11 | 6.08 | 11.03 | | 11 | 16.10 | 23.35 |
| | 11 | 18.20 | 24.00 | | | | |
| | | 10.20 | | 5/13/2006 | 1 | NA | NA |
| 5/11/2006 | 1 | NA | NA | 0,10,2000 | 2 | NA | NA |
| 0/11/2000 | 2 | NA | NA | | 3 | 11.00 | 22.15 |
| | 3 | NA | NA | | 4 | 7,35 | 22.15 |
| | 4 | 0.00 | 0.15 | | 5 | 0.00 | 11.00 |
| | 4 | 5.10 | 12.05 | | 6 | 7.35 | 24.00 |
| | 4 | 16.19 | 23.10 | | 7 | 0.00 | 24.00 |
| | - 5 | 0.00 | 24.00 | | 8 | NA | NA |
| | 6 | 0.00 | 24.00 | | 9 | NA NA | NA NA |
| | 7 | 0.00 | 0.15 | | 10 | NA NA | NA NA |
| | 7 | 5.10 | 12.05 | | 11 | NA NA | NA NA |
| | 7 | 16.19 | 23.10 | | 11 | INA | INA |
| | 8 | 6.02 | 10.05 | 5/14/2006 | 1 | NA | NA |
| | 8 | 17.23 | 22.40 | 5/14/2006 | | | |
| | | | 10.05 | | 3 | 16.00 | 23.00 |
| | 9 | 6.02 | | | | NA NA | NA NA |
| | 9 | 17.23 | 22.40 | | 4 | NA 10.00 | NA 04.00 |
| | 10 | 6.02 | 10.05 | | 5 | | 24.00 |
| | 10 | 17.23 | 22.40 | | 6 | | 24.00 |
| | 11 | 0.00 | 0.15 | | 7 | | 23.00 |
| | 11 | 6.02 | 10.05 | | 8 | | NA |
| | 11 | 17.23 | 22.40 | | 9 | | 23.00 |
| | | | | | 10 | | NA |
| 4/12/2006 | 1 | NA | NA | | 11 | 16.05 | 23.00 |
| | 2 | NA | NA | | | | |
| | 3 | NA | NA | 5/15/2006 | | NA | NA |
| | 4 | 5.23 | 12.00 | | 2 | | 23.03 |
| | 4 | 16.18 | 24.00 | | 3 | | N |
| | 5 | 0.00 | 24.00 | | 4 | | 23.03 |
| | 6 | 0.00 | 24.00 | | 5 | | 11.15 |
| | 7 | 5.23 | 24.00 | | 5 | | 24.00 |
| | 8 | 6.14 | 10.12 | | 6 | | 19.36 |
| | 8 | 16.58 | 21.00 | | 7 | | 24.00 |
| | 9 | 6.14 | 10.00 | | 8 | | NA |
| | 9 | 16.58 | 21.00 | | 9 | | 13.05 |
| | 10 | 6.14 | 10.00 | | 9 | 17.00 | 22.14 |
| | 10 | 16.58 | 21.00 | | 10 | 17.00 | 22.14 |

| 5. | | Turbine Start | | 5 . | | Turbine Start | |
|-----------|-------------|---------------|-------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 11 | 6.14 | 10.00 | | 11 | 6.00 | 22.14 |
| | 11 | 16.58 | 21.00 | | | | |
| | | | | 5/16/2006 | 1 | NA | NA |
| 4/13/2006 | 1 | NA | NA | | 2 | NA | NA |
| | 2 | 17.25 | 22.40 | | 3 | NA | NA |
| | 3 | 0.53 | 22.40 | | 4 | 6.10 | 23.05 |
| | 4 | 0.00 | 12.04 | | 5 | 0.00 | 24.00 |
| | 5 | 0.00 | 0.53 | | 6 | 6.10 | 24.00 |
| | 5 | 17.19 | 24.00 | | 7 | 0.00 | 23.05 |
| | 6 | 0.00 | 24.00 | | 8 | 17.08 | 21.50 |
| | 7 | 0.00 | 12.04 | | 9 | 6.10 | 11.10 |
| | 8 | 18.49 | 22.00 | | 9 | 17.05 | 21.50 |
| | 9 | 7.16 | 11.03 | | 10 | 6.10 | 11.10 |
| | 9 | 18.49 | 22.08 | | 10 | 17.08 | 21.50 |
| | 10 | 7.16 | 11.03 | | 11 | 6.10 | 11.10 |
| | 10 | 18.49 | 22.00 | | 11 | 17.05 | 21.50 |
| | 11 | 7.16 | 11.03 | | | | |
| | 11 | 18.49 | 22.08 | 5/17/2006 | 1 | NA | NA |
| | | | | | 2 | NA | NA |
| 4/14/2006 | 1 | NA | NA | | 3 | | 24.00 |
| 1/11/2000 | 2 | NA | NA | | 4 | | 24.00 |
| | 3 | NA | NA | | 5 | | 24.00 |
| | 4 | 8.20 | 14.00 | | 6 | | 24.00 |
| | 4 | 18.10 | 22.00 | | 7 | 6.05 | 7.45 |
| | 5 | 0.00 | 24.00 | | 8 | | 24.00 |
| | | | | | | | |
| | 6 | 0.00 | 24.00 | | 9 | NA C.40 | NA 44.00 |
| | 7 | 8.20 | 14.00 | | 10 | 6.10 | 11.00 |
| | 7 | 18.10 | 22.00 | | 10 | 17.00 | 22.50 |
| | 8 | 18.20 | 21.10 | | 11 | 6.10 | 11.00 |
| | 9 | 18.20 | 21.10 | | 11 | 17.00 | 22.50 |
| | 10 | 8.20 | 14.00 | =//0/0000 | | | |
| | 10 | 18.20 | 21.10 | 5/18/2006 | 1 | NA | NA |
| | 11 | 18.20 | 21.10 | | 2 | | NA |
| | | | | | 3 | | 1.05 |
| 4/15/2006 | 1 | NA | NA | | 3 | | 14.35 |
| | 2 | NA | NA | | 4 | 0.00 | 1.05 |
| | 3 | NA | NA | | 4 | | 23.22 |
| | 4 | 7.15 | 12.00 | | 5 | | 14.16 |
| | 4 | 17.25 | 22.55 | | 5 | | 24.00 |
| | 5 | 0.00 | 24.00 | | 6 | | 24.00 |
| | 6 | 0.00 | 24.00 | | 7 | | 23.22 |
| | 7 | 7.15 | 12.00 | | 8 | | 1.08 |
| | 7 | 17.25 | 22.55 | | 8 | 6.17 | 12.47 |
| | 8 | 17.40 | 21.00 | | 8 | | 23.22 |
| | 9 | 17.40 | 21.00 | | 9 | NA | NA |
| | 10 | 7.15 | 12.00 | | 10 | 6.17 | 22.14 |
| | 10 | 17.25 | 21.00 | | 11 | 6.17 | 12.47 |
| | 11 | 17.40 | 21.00 | | 11 | 17.10 | 22.14 |
| 4/16/2006 | 1 | NA | NA | 5/19/2006 | 1 | NA | NA |
| | 2 | NA | NA | | 2 | NA | NA |
| | 3 | NA | NA | | 3 | NA | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 4 | 17.05 | 24.00 | | 4 | 6.05 | 24.00 |
| | 5 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 7 | 17.05 | 24.00 | | 7 | 6.05 | 24.00 |
| | 8 | NA | NA | | 8 | 6.10 | 23.45 |
| | 9 | 17.10 | 23.20 | | 9 | 17.45 | 23.45 |
| | 10 | 17.10 | 23.20 | | 10 | 6.10 | 13.10 |
| | 11 | 17.10 | 23.20 | | 11 | 6.10 | 13.10 |
| | | | | | 11 | 17.45 | 23.45 |
| 4/17/2006 | 1 | 18.15 | 21.20 | | | | |
| | 2 | 18.15 | 21.20 | 5/20/2006 | 1 | 7.12 | 12.10 |
| | 3 | 18.15 | 21.20 | | 2 | NA | NA |
| | 4 | 0.00 | 22.00 | | 3 | 7.12 | 11.38 |
| | 5 | 0.00 | 0.05 | | 4 | 12.10 | 24.00 |
| | 5 | 6.30 | 24.00 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 0.05 | | 6 | 0.00 | 24.00 |
| | 6 | 6.30 | 24.00 | | 7 | 11.38 | 24.00 |
| | 7 | 0.00 | 22.00 | | 8 | NA | NA |
| | 8 | 6.37 | 11.20 | | 9 | 17.10 | 24.00 |
| | 8 | 18.15 | 21.25 | | 10 | 17.10 | 19.54 |
| | 9 | 17.32 | 21.25 | | 11 | 17.10 | 19.54 |
| | 10 | 6.37 | 11.20 | | | | 10.01 |
| | 10 | 17.32 | 21.25 | 5/21/2006 | 1 | NA | NA |
| | 11 | 6.37 | 11.20 | 0,2.72000 | 2 | NA | NA |
| | 11 | 17.32 | 21.25 | | 3 | | NA |
| | | | 0 | | 4 | 0.00 | 0.17 |
| 4/18/2006 | 1 | NA | NA | | 4 | 8.10 | 23.00 |
| 4/10/2000 | 2 | NA | NA | | 5 | 0.00 | 24.00 |
| | 3 | NA | NA | | 6 | 0.00 | 24.00 |
| | 4 | 6.20 | 13.35 | | 7 | 0.00 | 0.17 |
| | 4 | 16.10 | 23.55 | | 7 | 8.10 | 23.00 |
| | 5 | 0.00 | 23.55 | | 8 | NA | NA |
| | 6 | 0.00 | 24.00 | | 9 | 0.00 | 0.17 |
| | 7 | 6.20 | 13.35 | | 9 | | 21.10 |
| | 7 | 16.10 | 24.00 | | 10 | | NA NA |
| | 8 | 7.09 | 9.50 | | 11 | | 21.10 |
| | 8 | 16.15 | 22.05 | | - 11 | 10.00 | 21.10 |
| | 9 | 6.28 | 9.50 | 5/22/2006 | 1 | NA | NA |
| | 9 | 17.44 | 22.05 | 3/22/2000 | 2 | | NA NA |
| | 10 | 7.09 | 9.50 | | 3 | | 15.30 |
| | 10 | 17.10 | 22.05 | | 4 | | 22.14 |
| | 11 | 7.09 | 9.50 | | 5 | | 14.50 |
| | 11 | 17.10 | 22.05 | | 5 | | 24.00 |
| | 11 | 17.10 | 22.00 | | 6 | | 24.00 |
| 4/19/2006 | 1 | NA | NA | | 7 | | 22.14 |
| 7/13/2000 | 2 | NA NA | NA NA | | 8 | | NA |
| | 3 | 6.45 | 22.35 | | 9 | | 22.14 |
| | 4 | | | | 10 | | |
| | 5 | 6.45 NA | 22.35 NA | | 10 | | NA |
| | | | NA 24.00 | | | | 11.48 |
| | 6 | 0.00 | 24.00 | | 11 | 17.10 | 22.14 |
| | 7 | 0.00 | 24.00 | F 100 100 00 | | N/A | b 1 A |
| | 8 | NA | NA | 5/23/2006 | 1 | NA | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 9 | 6.45 | 9.20 | | 2 | NA | NA |
| | 9 | 17.55 | 21.25 | | 3 | 9.55 | 24.00 |
| | 10 | 7.15 | 12.10 | | 4 | 6.15 | 24.00 |
| | 10 | 17.55 | 21.25 | | 5 | 0.00 | 24.00 |
| | 11 | 7.15 | 12.10 | | 6 | 0.00 | 9.55 |
| | 11 | 17.55 | 21.25 | | 7 | 6.15 | 24.00 |
| | | | | | 8 | NA | NA |
| 4/20/2006 | 1 | 0.20 | 1.42 | | 9 | 6.15 | 12.30 |
| | 2 | NA | NA | | 9 | 16.50 | 21.00 |
| | 3 | 7.15 | 22.00 | | 10 | NA | NA |
| | 4 | 1.42 | 22.00 | | 11 | 6.15 | 12.30 |
| | 5 | NA | NA | | 11 | 16.50 | 21.00 |
| | 6 | 0.00 | 24.00 | | | | 200 |
| | 7 | 0.00 | 0.20 | 5/24/2006 | 1 | NA | NA |
| | 7 | 7.15 | 24.00 | 0/21/2000 | 2 | NA | NA |
| | 8 | 12.38 | 18.17 | | 3 | 0.00 | 0.05 |
| | 9 | 12.40 | 18.17 | | 3 | 5.55 | 21.55 |
| | 10 | 12.38 | 18.17 | | 4 | 0.00 | 0.05 |
| | 11 | 12.40 | 18.17 | | 4 | 5.55 | 22.00 |
| | 11 | 12.40 | 10.17 | | 5 | 0.00 | 24.00 |
| 4/21/2006 | 1 | NA | NA | | 6 | 22.00 | 24.00 |
| 4/21/2000 | 2 | | NA NA | | 7 | | |
| | 3 | NA 7.05 | | | | 0.00 | 21.50 |
| | | 7.25 | 14.00 | | 8 | 5.55 | 12.30 |
| | 3 | 18.30 | 21.48 | | 8 | 17.18 | 21.50 |
| | 4 | 7.25 | 24.00 | | 9 | 5.55 | 12.30 |
| | 5 | NA | NA | | 9 | 18.02 | 21.50 |
| | 6 | 0.00 | 24.00 | | 10 | NA | NA |
| | 7 | 0.00 | 21.48 | | 11 | NA | NA |
| | 8 | 7.25 | 14.00 | | | | |
| | 8 | 18.30 | 21.48 | 5/25/2006 | 1 | NA | NA |
| | 9 | NA | NA | | 2 | NA | NA |
| | 10 | NA | NA | | 3 | 8.35 | 21.55 |
| | 11 | NA | NA | | 4 | 8.35 | 21.55 |
| | | | | | 5 | 0.00 | 19.50 |
| 4/22/2006 | 1 | NA | NA | | 5 | 22.00 | 24.00 |
| | 2 | 18.33 | 22.18 | | 6 | 0.00 | 22.00 |
| | 3 | 7.05 | 11.10 | | 7 | 19.50 | 24.00 |
| | 4 | 0.00 | 11.10 | | 8 | 12.25 | 19.40 |
| | 4 | 18.33 | 22.18 | | 9 | 12.25 | 19.40 |
| | 5 | NA | NA | | 10 | 12.25 | 19.40 |
| | 6 | 0.00 | 24.00 | | 11 | 12.25 | 19.40 |
| | 7 | 7.05 | 24.00 | | | | |
| | 8 | NA | NA | 5/26/2006 | 1 | NA | NA |
| | 9 | NA | NA | | 2 | NA | NA |
| | 10 | NA | NA | | 3 | NA | NA |
| | 11 | NA | NA | | 4 | 8.10 | 24.00 |
| | | | | | 5 | 0.00 | 24.00 |
| 4/23/2006 | 1 | 18.00 | 22.43 | | 6 | | 24.00 |
| | 2 | 18.00 | 22.43 | | 7 | | 24.00 |
| | 3 | 1.41 | 24.00 | | 8 | | NA |
| | 4 | 1.41 | 24.00 | | 9 | | 20.00 |
| | 5 | 18.00 | 24.00 | | 10 | | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|---|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 6 | 0.00 | 22.43 | | 11 | 12.12 | 20.00 |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 17.00 | 22.36 | 5/27/2006 | 1 | NA | NA |
| | 9 | 17.00 | 22.48 | | 2 | | NA |
| | 10 | 17.00 | 22.46 | | 3 | | NA |
| | 11 | 18.00 | 22.46 | | 4 | | 2.14 |
| | • | 10.00 | 22.10 | | 4 | 12.14 | 24.00 |
| 4/24/2006 | 1 | 8.12 | 11.34 | | 5 | | 24.00 |
| 4/24/2000 | 1 | 15.10 | 22.17 | | 6 | | 2.14 |
| | 2 | 8.12 | 11.34 | | 6 | | 24.00 |
| | 2 | 15.10 | 22.17 | | 7 | | 24.00 |
| | 3 | | | | 8 | | |
| | | 0.00 | 22.17 | | | | 24.00 |
| | 4 | 0.00 | 24.00 | | 9 | NA | NA |
| | 5 | 0.00 | 11.34 | | 10 | NA | NA |
| | 5 | 15.10 | 24.00 | | 11 | NA | NA |
| | 6 | 8.12 | 24.00 | | | | |
| | 7 | 0.00 | 24.00 | 5/28/2006 | 1 | NA | NA |
| | 8 | 5.50 | 11.37 | | 2 | | NA |
| | 8 | 15.10 | 22.17 | | 3 | | 24.00 |
| | 9 | 5.50 | 11.34 | | 4 | 0.00 | 0.22 |
| | 9 | 15.13 | 24.00 | | 5 | 0.00 | 24.00 |
| | 10 | 5.50 | 24.00 | | 6 | 0.00 | 0.22 |
| | 11 | 8.12 | 24.00 | | 6 | 14.10 | 24.00 |
| | | | | | 7 | 0.00 | 24.00 |
| 4/25/2006 | 1 | 7.12 | 24.00 | | 8 | 0.00 | 0.15 |
| | 2 | 7.12 | 24.00 | | 9 | NA | NA |
| | 3 | 7.12 | 24.00 | | 10 | 14.10 | 24.00 |
| | 4 | 0.00 | 0.29 | | 11 | NA | NA |
| | 4 | 5.33 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | 5/29/2006 | 1 | NA | NA |
| | 6 | 0.00 | 24.00 | | 2 | NA | NA |
| | 7 | 0.00 | 0.29 | | 3 | 0.00 | 0.05 |
| | 7 | 5.33 | 24.00 | | 3 | 14.30 | 24.00 |
| | 8 | 7.08 | 24.00 | | 4 | | NA |
| | 9 | 7.08 | 24.00 | | 5 | | 24.00 |
| | 10 | 7.08 | 24.00 | | 6 | | 0.05 |
| | 11 | 7.08 | 24.00 | | 6 | | 24.00 |
| | | 7.00 | 00 | | 7 | | 24.00 |
| 4/26/2006 | 1 | 0.00 | 24.00 | | 8 | | NA |
| 7/20/2000 | 2 | 0.00 | 0.35 | | 9 | | 24.00 |
| | 2 | 6.22 | 24.00 | | 10 | | 0.05 |
| | 3 | 0.00 | 24.00 | | 11 | | NA |
| | | | | | 11 | INA | INA |
| | 4 | 0.00 | 24.00 | F/00/0000 | | 44.00 | 40.50 |
| | 5 | 0.00 | 0.35 | 5/30/2006 | 1 | _ | 18.50 |
| | 5 | 6.22 | 24.00 | | 2 | | 18.47 |
| | 6 | 0.00 | 0.35 | | 3 | | 0.10 |
| | 6 | 6.22 | 24.00 | | 3 | | 18.50 |
| | 7 | 0.00 | 24.00 | | 4 | | 19.12 |
| | 8 | 0.00 | 0.35 | | 5 | | 24.00 |
| | 8 | 6.18 | 24.00 | | 6 | | 0.10 |
| | 9 | 0.00 | 1.15 | | 6 | 10.00 | 19.12 |
| | 9 | 6.18 | 24.00 | | 7 | 0.00 | 24.00 |

| | | Turbine Start | | | | Turbine Start | |
|-----------|----------------|---------------|-------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 0.00 | 1.15 | | 8 | 11.10 | 19.05 |
| | 10 | 6.18 | 24.00 | | 9 | 0.00 | 0.10 |
| | 11 | 0.00 | 24.00 | | 9 | 11.10 | 19.05 |
| | | | | | 10 | 10.00 | 19.05 |
| 4/27/2006 | 1 | 0.00 | 24.00 | | 11 | 11.10 | 19.05 |
| | 2 | 0.00 | 0.02 | | | | |
| | 2 | 6.25 | 24.00 | 5/31/2006 | 1 | NA | NA |
| | 3 | 0.00 | 24.00 | | 2 | NA | NA |
| | 4 | 0.00 | 24.00 | | 3 | 16.15 | 21.15 |
| | 5 | 0.00 | 0.02 | | 4 | 12.25 | 20.10 |
| | 5 | 6.25 | 24.00 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | 12.25 | 16.15 |
| | 7 | 0.00 | 0.02 | | 7 | 0.00 | 24.00 |
| | 7 | 6.25 | 24.00 | | 8 | 12.25 | 21.15 |
| | 8 | 0.00 | 0.06 | | 9 | 12.25 | 21.15 |
| | 8 | 6.22 | 24.00 | | 10 | 12.25 | 20.10 |
| | 9 | 0.00 | 0.06 | | 11 | NA | NA |
| | 9 | 6.22 | 24.00 | | | | |
| | 10 | 0.00 | 0.06 | 6/1/2005 | 1 | NA | NA |
| | 10 | 3.30 | 24.00 | | 2 | NA | NA |
| | 11 | 0.00 | 24.00 | | 3 | 11.55 | 22.15 |
| | | 0.00 | 200 | | 4 | 11.55 | 22.15 |
| 4/28/2006 | 1 | 0.00 | 22.45 | | 5 | 0.00 | 24.00 |
| 1/20/2000 | 2 | 6.20 | 22.45 | | 6 | NA | NA |
| | 3 | 0.00 | 22.45 | | 7 | 11.55 | 22.15 |
| | 4 | 0.00 | 24.00 | | 8 | NA | NA |
| | - 5 | 0.00 | 24.00 | | 9 | 12.00 | 22.10 |
| | 6 | 6.20 | 24.00 | | 10 | 12.00 | 22.10 |
| | 7 | 6.20 | 24.00 | | 11 | 15.25 | 22.10 |
| | 8 | 6.20 | 22.45 | | - 11 | 13.23 | 22.10 |
| | 9 | 0.00 | 24.00 | 6/2/2006 | 1 | NA | NA |
| | 10 | 0.00 | 24.00 | 0/2/2000 | 2 | NA NA | NA NA |
| | | | | | | | |
| | 11 | 0.00 | 24.00 | | 3 | NA 42.40 | NA 24.42 |
| 4/00/0000 | | 0.45 | 24.05 | | 4 | | 21.13 |
| 4/29/2006 | 1 | 8.15 | 21.05 | | 5 | 0.00 | 24.00 |
| | 2 | 8.15 | 21.05 | | 6 | 13.10 | 21.13 |
| | 3 | 7.20 | 21.05 | | 7 | 13.10 | 21.13 |
| | 4 | 0.00 | 1.15 | | 8 | 13.15 | 19.32 |
| | 4 | 7.20 | 24.00 | | 9 | 13.15 | 21.17 |
| | 5 | 0.00 | 24.00 | | 10 | 13.15 | 21.17 |
| | 6 | 0.00 | 24.00 | | 11 | 13.15 | 21.17 |
| | 7 | 0.00 | 1.15 | a la la | | 40.00 | 0.00 |
| | 7 | 8.05 | 24.00 | 6/3/2006 | 1 | 12.00 | 24.00 |
| | 8 | 8.05 | 21.10 | | 2 | NA | NA |
| | 9 | 7.20 | 21.10 | | 3 | 2.10 | 4.10 |
| | 10 | 8.05 | 21.10 | | 3 | 12.00 | 24.00 |
| | 11 | 8.05 | 24.00 | | 4 | NA | NA |
| | | | | | 5 | 0.00 | 24.00 |
| 4/30/2006 | 1 | 18.20 | 22.17 | | 6 | 12.00 | 24.00 |
| | 2 | 18.20 | 22.17 | | 7 | NA | NA |
| | 3 | 18.20 | 22.17 | | 8 | NA | NA |
| | 4 | 0.00 | 0.07 | | 9 | 12.10 | 21.12 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|------------|-------------|---------------|-------------|--------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 4 | 11.24 | 24.00 | | 10 | 12.10 | 16.20 |
| | 5 | 0.00 | 24.00 | | 11 | 12.10 | 21.12 |
| | 6 | 0.00 | 24.00 | | | | |
| | 7 | 0.00 | 0.07 | 6/4/20 | 06 1 | 0.00 | 0.15 |
| | 7 | 11.24 | 24.00 | | 2 | NA | NA |
| | 8 | 12.20 | 22.20 | | 3 | 0.00 | 0.15 |
| | 9 | 18.14 | 22.20 | | 3 | 11.10 | 24.00 |
| | 10 | 11.55 | 22.20 | | 4 | 8.40 | 10.25 |
| | 11 | 0.00 | 0.07 | | 4 | | 24.00 |
| | 11 | 11.55 | 24.00 | | 5 | | 24.00 |
| | | | | | 6 | | 0.15 |
| 5/1/2006 | 1 | 7.30 | 12.11 | | 6 | | 10.25 |
| 0, 1,2000 | 1 | 17.10 | 22.05 | | 6 | | 24.00 |
| | 2 | 7.30 | 12.11 | | 7 | | 10.25 |
| | 2 | 17.10 | 22.05 | | 8 | | NA |
| | 3 | 7.30 | 12.11 | | 9 | | 15.35 |
| | 3 | 17.10 | 22.05 | | 10 | | NA |
| | 4 | 5.58 | 23.30 | | 11 | | 24.00 |
| | 5 | 0.00 | 24.00 | | .,, | 10.00 | 24.00 |
| | 6 | 0.00 | 24.00 | 6/5/20 | 06 1 | 12.00 | 24.00 |
| | 7 | 5.58 | 23.30 | 0/3/20 | 2 | | 21.55 |
| | 8 | 5.58 | 12.15 | | 3 | | 8.30 |
| | | | | | | | |
| | 8 9 | 17.00 7.20 | 22.10 | | 3 | | 24.00 |
| | 9 | | 12.15 | | | | 0.25 |
| | | 17.00 | 22.10 | | 4 | | 24.00 |
| | 10 | 7.20 | 12.15 | | 5 | | 24.00 |
| | 10 | 17.00 | 22.10 | | 6 | | 0.25 |
| | 11 | 7.20 | 12.15 | | 6 | | 21.55 |
| | 11 | 17.10 | 23.30 | | 7 | | 21.55 |
| F /0 /0000 | | 7.00 | 10.55 | | 8 | | 23.50 |
| 5/2/2006 | 1 | 7.00 | 10.55 | | 9 | | 21.55 |
| | 2 | 7.00 | 10.55 | | 10 | | 24.00 |
| | 3 | 7.00 | 10.55 | | 11 | | 0.25 |
| | 4 | 6.15 | 23.50 | | 11 | 6.10 | 24.00 |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 0.00 | 24.00 | | | | |
| | 7 | 6.15 | 23.50 | | | | |
| | 8 | 6.15 | 11.00 | | | | |
| | 8 | 17.00 | 23.50 | | | | |
| | 9 | 6.55 | 11.00 | | | | |
| | 9 | 17.00 | 22.00 | | | | |
| | 10 | 6.55 | 11.00 | | | | |
| | 10 | 17.00 | 22.00 | | | | |
| | 11 | 6.55 | 10.55 | | | | |
| | 11 | 17.00 | 22.00 | | | | |
| 5/3/2006 | 1 | NA | NA | | | | |
| | 2 | NA | NA | | | | |
| | 3 | 5.50 | 23.22 | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 0.00 | 23.22 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|------|-------------|-----------------------|---------------------|------|-------------|-----------------------|---------------------|
| | 7 | 5.50 | 24.00 | | | | |
| | 8 | 7.30 | 12.10 | | | | |
| | 8 | 17.30 | 23.22 | | | | |
| | 9 | 7.30 | 12.10 | | | | |
| | 9 | 16.52 | 22.12 | | | | |
| | 10 | 16.52 | 22.12 | | | | |
| | 11 | 5.50 | 12.10 | | | | |
| | 11 | 16.52 | 22.12 | | | | |

| <u>4/2</u> | 3/2007-5/31/20 | <u>007</u> | | | | | |
|------------|----------------|---------------|-------------|-----------|-------------|---------------|-------------|
| | | | | | | | |
| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 4/23/2007 | 1 | 0.00 | 15.01 | 5/13/2007 | 1 | NA | NA |
| | 2 | 0.00 | 24.00 | | 2 | NA | NA |
| | 3 | 0.00 | 24.00 | | 3 | NA | NA |
| | 4 | 0.00 | 24.00 | | 4 | 0.00 | 0.11 |
| | 5 | 0.00 | 24.00 | | 4 | | 23.45 |
| | 6 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 6 | 0.00 | 0.11 |
| | 8 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | | | | | 8 | NA | 24.00 NA |
| | 9 | 0.00 | 24.00 | | | | |
| | 10 | 0.00 | 24.00 | | 9 | 17.20 | 22.55 |
| | 11 | 0.00 | 24.00 | | 10 | 16.12 | 22.55 |
| | | | | | 11 | 0.00 | 0.11 |
| 42/4/07 | 1 | NA | NA | | 11 | 16.12 | 23.45 |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 0.00 | 24.00 | 5/14/2007 | 1 | 20.25 | 24.00 |
| | 4 | 0.00 | 24.00 | | 2 | NA | NA |
| | 5 | 0.00 | 24.00 | | 3 | 13.09 | 18.00 |
| | 6 | 0.00 | 24.00 | | 4 | 4.55 | 20.08 |
| | 7 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 8 | 0.00 | 24.00 | | 6 | 4.55 | 20.08 |
| | 9 | 0.00 | 24.00 | | 7 | 0.00 | 20.25 |
| | 10 | 0.00 | 24.00 | | 8 | 13.09 | 18.00 |
| | 11 | 0.00 | 24.00 | | 9 | 5.54 | 18.00 |
| | | | | | 10 | 5.54 | 18.00 |
| 4/25/2007 | 1 | 18.31 | 24.00 | | 11 | 4.55 | 4.58 |
| | 2 | 0.00 | 23.15 | | 11 | 5.54 | 20.08 |
| | 3 | 0.00 | 23.15 | | | | |
| | 4 | 0.00 | 18.58 | 5/15/2007 | 1 | 0.00 | 19.40 |
| | 5 | 0.00 | 24.00 | | 2 | 14.27 | 19.40 |
| | 6 | 0.00 | 24.00 | | 3 | 14.22 | 19.40 |
| | 7 | 0.00 | 24.00 | | 4 | | 20.00 |
| | 8 | 0.00 | 24.00 | | 5 | | 24.00 |
| | 9 | 0.00 | 24.00 | | 6 | | 24.00 |
| | 10 | 0.00 | 23.15 | | 7 | | 20.00 |
| | 11 | 0.00 | 23.15 | | 8 | | 19.40 |
| | | 0.00 | 20.10 | | 9 | | 19.40 |
| 4/26/2007 | 1 | 0.00 | 0.25 | | 10 | | 19.40 |
| 4/20/2007 | 1 | 5.24 | 24.00 | | 11 | | 19.40 |
| | 2 | 5.24 | 23.22 | | 11 | 0.00 | 19.40 |
| | | | | E/46/2007 | 1 | 11 17 | 17.00 |
| | 3 | 5.24 | 24.00 | 5/16/2007 | 1 | 11.47 | 17.20 |
| | 4 | 5.24 | 24.00 | | 2 | | 17.20 |
| | 5 | 0.00 | 24.00 | | 3 | | 17.20 |
| | 6 | 0.00 | 24.00 | | 4 | | 21.07 |
| | 7 | 0.00 | 24.00 | | 5 | | 24.00 |
| | 8 | 0.00 | 23.22 | | 6 | | 21.07 |
| | 9 | 0.00 | 0.25 | | 7 | | 24.00 |
| | 9 | 5.24 | 24.00 | | 8 | | 17.20 |
| | 10 | 5.24 | 23.22 | | 9 | 6.27 | 17.20 |
| | 11 | 5.24 | 23.22 | | 10 | 11.47 | 17.20 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | | | | | 11 | 6.27 | 21.07 |
| 4/27/2007 | 1 | 0.00 | 24.00 | | | | |
| | 2 | 6.53 | 24.00 | 5/17/2007 | 1 | 13.15 | 19.07 |
| | 3 | 0.00 | 0.25 | | 2 | 13.15 | 19.07 |
| | 3 | 6.53 | 24.00 | | 3 | 13.15 | 19.07 |
| | 4 | 0.00 | 0.25 | | 4 | 6.12 | 21.49 |
| | 4 | 6.53 | 24.00 | | 5 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 6 | 6.12 | 21.49 |
| | 6 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 8 | 13.15 | 19.07 |
| | 8 | 6.53 | 24.00 | | 9 | 13.15 | 13.37 |
| | 9 | 0.00 | 0.25 | | 9 | 14.00 | 14.51 |
| | 9 | 6.53 | 24.00 | | 9 | 16.19 | 19.07 |
| | 10 | 6.53 | 24.00 | | 10 | 13.15 | 19.07 |
| | 11 | 6.53 | 24.00 | | 11 | 6.12 | 19.07 |
| | | 0.00 | 24.00 | | | 0.12 | 10.07 |
| 4/28/2007 | 1 | 0.00 | 24.00 | 5/18/2007 | 1 | NA | NA |
| 4/20/2001 | 2 | 0.00 | 0.33 | 3/10/2007 | 2 | NA | NA NA |
| | 2 | 11.40 | 24.00 | | 3 | NA NA | NA |
| | 3 | 0.00 | 24.00 | | 4 | 6.10 | 22.03 |
| | 4 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | | | | | | | |
| | 5 | 0.00 | 24.00 | | 7 | 6.10 | 22.03 |
| | 6 | 0.00 | 24.00 | | | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 8 | 12.09 | 18.00 |
| | 8 | 0.00 | 24.00 | | 9 | 12.09 | 18.00 |
| | 9 | 0.00 | 24.00 | | 10 | NA | NA |
| | 10 | 0.00 | 24.00 | | 11 | 6.10 | 22.03 |
| | 11 | 0.00 | 0.33 | 5/40/0007 | | | 210 |
| . / / | | | | 5/19/2007 | 1 | NA | NA |
| 4/29/2007 | 1 | 0.00 | 24.00 | | 2 | NA | NA |
| | 2 | 0.00 | 0.26 | | 3 | | NA |
| | 2 | 17.23 | 24.00 | | 4 | 18.13 | 21.00 |
| | 3 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 4 | 0.00 | 24.00 | | 6 | | 21.00 |
| | 5 | 0.00 | 24.00 | | 7 | | 14.00 |
| | 6 | 0.00 | 24.00 | | 7 | | 24.00 |
| | 7 | 0.00 | 24.00 | | 8 | | 21.00 |
| | 8 | 0.00 | 12.01 | | 9 | | NA |
| | 8 | 17.23 | 24.00 | | 10 | | NA |
| | 9 | 0.00 | 12.01 | | 11 | NA | NA |
| | 9 | 17.23 | 24.00 | | | | |
| | 10 | 0.00 | 0.26 | 5/20/2007 | 1 | | NA |
| | 10 | 17.23 | 24.00 | | 2 | NA | NA |
| | 11 | 17.23 | 24.00 | | 3 | NA | NA |
| | | | | | 4 | 18.07 | 23.05 |
| 4/30/2007 | 1 | 0.00 | 22.07 | | 5 | 0.00 | 24.00 |
| | 2 | 0.00 | 0.05 | | 6 | 18.07 | 23.05 |
| | 2 | 5.11 | 20.12 | | 7 | 0.00 | 24.00 |
| | 3 | 0.00 | 22.07 | | 8 | NA | NA |
| | 4 | 0.00 | 22.07 | | 9 | 18.07 | 23.05 |
| | 5 | 0.00 | 24.00 | | 10 | NA | NA |
| | 6 | 0.00 | 22.07 | | 11 | 18.07 | 23.05 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine Er |
|-------------|-------------|---------------|-------------|-----------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 0.00 | 20.12 | 5/21/2007 | 1 | NA | NA |
| | 9 | 0.00 | 22.07 | | 2 | NA | NA |
| | 10 | 0.00 | 0.05 | | 3 | NA | NA |
| | 10 | 5.11 | 20.12 | | 4 | 6.09 | 22.01 |
| | 11 | 0.00 | 0.05 | | 5 | 0.00 | 24.00 |
| | 11 | 5.11 | 20.12 | | 6 | 6.09 | 22.01 |
| | | | | | 7 | 0.00 | 24.00 |
| 5/1/2007 | 1 | 5.50 | 11.05 | | 8 | 13.17 | 18.05 |
| | 1 | 14.10 | 24.00 | | 8 | 20.02 | 21.47 |
| | 2 | 5.48 | 11.05 | | 9 | 13.17 | 18.05 |
| | 2 | 14.10 | 23.31 | | 9 | 20.02 | 21.52 |
| | 3 | 2.58 | 11.05 | | 10 | NA | NA |
| | 3 | 14.10 | 23.31 | | 11 | 13.17 | 21.57 |
| | 4 | 5.48 | 23.31 | | | | 2 |
| | 5 | 0.00 | 24.00 | 5/22/2007 | 1 | NA | NA |
| | 6 | 5.48 | 24.00 | 0/22/2001 | 2 | NA | NA |
| | 7 | 0.00 | 24.00 | | 3 | NA | NA NA |
| | 8 | 2.58 | 23.31 | | 4 | 6.13 | 21.52 |
| | 9 | 4.28 | 11.05 | | 5 | 0.00 | 24.00 |
| | 9 | 14.10 | 23.31 | | 6 | 6.13 | 21.52 |
| | | | | | 7 | | |
| | 10 | 5.48 | 23.31 | | | 0.00 | 24.00 |
| | 11 | 5.48 | 11.05 | | 8 | 13.01 | 21.00 |
| | 11 | 14.10 | 23.31 | | 9 | 13.01 | 21.05 |
| - /2 /2 2 2 | | | | | 10 | NA | NA |
| 5/2/2007 | 1 | 0.00 | 11.16 | | 11 | 13.01 | 21.10 |
| | 1 | 16.20 | 24.00 | | | | |
| | 2 | 6.08 | 22.11 | 5/23/2007 | 1 | NA | NA |
| | 3 | 6.08 | 11.16 | | 2 | 22.16 | 24.00 |
| | 3 | 16.20 | 22.11 | | 3 | NA | NA |
| | 4 | 6.08 | 22.11 | | 4 | 12.25 | 21.00 |
| | 5 | 0.00 | 24.00 | | 5 | 0.00 | 22.18 |
| | 6 | 0.00 | 24.00 | | 6 | 12.25 | 21.00 |
| | 7 | 0.00 | 11.16 | | 7 | 0.00 | 24.00 |
| | 7 | 16.20 | 24.00 | | 8 | 13.03 | 20.16 |
| | 8 | 6.08 | 22.11 | | 9 | 13.03 | 20.16 |
| | 9 | 6.08 | 11.16 | | 10 | NA | NA |
| | 9 | 16.20 | 22.11 | | 11 | 13.03 | 20.16 |
| | 10 | 6.08 | 22.11 | | | | |
| | 11 | 6.08 | 11.16 | 5/24/2007 | 1 | NA | NA |
| | 11 | 16.20 | 22.11 | | 2 | 0.00 | 1.02 |
| | | | | | 3 | NA | NA |
| 5/3/2007 | 1 | 0.00 | 10.55 | | 4 | 13.05 | 21.08 |
| | 1 | 16.10 | 24.00 | | 5 | 1.00 | 24.00 |
| | 2 | 5.12 | 24.00 | | 6 | | 21.08 |
| | 3 | 5.12 | 10.55 | | 7 | 0.00 | 24.00 |
| | 3 | 16.10 | 24.00 | | 8 | | 20.43 |
| | 4 | 5.12 | 24.00 | | 9 | | 20.43 |
| | 5 | 0.00 | 24.00 | | 10 | | NA |
| | 6 | 0.00 | 24.00 | | 11 | | 20.43 |
| | 7 | 0.00 | 10.55 | | - 11 | 17.17 | 20.70 |
| | 7 | 16.10 | 24.00 | 5/25/2007 | 1 | NA | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 8 | 5.12 | 10.55 | | 2 | NA | NA |
| | 8 | 16.10 | 24.00 | | 3 | NA | NA |
| | 9 | 5.12 | 10.55 | | 4 | 13.29 | 21.20 |
| | 9 | 16.10 | 24.00 | | 4 | 23.19 | 24.00 |
| | 10 | 5.12 | 10.55 | | 5 | 0.00 | 24.00 |
| | 10 | 16.10 | 24.00 | | 6 | 13.29 | 21.20 |
| | 11 | 5.12 | 10.55 | | 6 | 22.56 | 24.00 |
| | 11 | 16.10 | 24.00 | | 7 | 0.00 | 24.00 |
| | | | | | 8 | 14.38 | 20.05 |
| 5/4/2007 | 1 | 0.00 | 9.57 | | 9 | 14.38 | 20.05 |
| | 1 | 14.03 | 24.00 | | 10 | NA | NA |
| | 2 | 0.00 | 1.02 | | 11 | 13.29 | 20.05 |
| | 2 | 6.16 | 9.57 | | | . 5.25 | 20.00 |
| | 2 | 14.03 | 24.00 | 5/26/2007 | 1 | NA | NA |
| | 3 | 0.00 | 1.02 | 0,20,2001 | 2 | NA | NA |
| | 3 | 6.16 | 9.57 | | 3 | NA | NA NA |
| | 3 | 14.03 | 24.00 | | 4 | 0.00 | 0.49 |
| | 4 | 0.00 | 24.00 | | 4 | 13.22 | 23.14 |
| | 5 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | 0.00 | 1.01 |
| | 7 | | | | | | |
| | | 0.00 | 1.02 | | 6 | 13.22 | 23.14 |
| | 7 | 6.16 | 24.00 | | 7 | 0.00 | 24.00 |
| | 8 | 0.00 | 1.02 | | 8 | NA | NA |
| | 8 | 6.16 | 9.57 | | 9 | NA 10.11 | NA 24.42 |
| | 8 | 13.17 | 24.00 | | 10 | 19.44 | 21.10 |
| | 9 | 0.00 | 1.02 | | 11 | 19.44 | 22.01 |
| | 9 | 6.16 | 9.57 | | | | |
| | 9 | 14.03 | 16.29 | 5/27/2007 | 1 | NA | NA |
| | 9 | 17.05 | 24.00 | | 2 | NA | NA |
| | 10 | 0.00 | 1.02 | | 3 | NA | NA |
| | 10 | 6.16 | 9.57 | | 4 | 13.06 | 23.50 |
| | 10 | 14.03 | 24.00 | | 5 | 0.00 | 24.00 |
| | 11 | 0.00 | 1.02 | | 6 | 13.06 | 23.50 |
| | 11 | 6.16 | 9.57 | | 7 | 0.00 | 24.00 |
| | 11 | 14.03 | 24.00 | | 8 | NA | NA |
| | | | | | 9 | NA | NA |
| 5/5/2007 | 1 | 0.00 | 0.22 | | 10 | NA | NA |
| | 2 | 0.00 | 0.22 | | 11 | 13.06 | 17.50 |
| | 3 | 0.00 | 0.22 | | | | |
| | 4 | 0.00 | 24.00 | 5/28/2007 | 1 | NA | NA |
| | 5 | 0.00 | 24.00 | | 2 | NA | NA |
| | 6 | 0.00 | 24.00 | | 3 | 21.44 | 21.47 |
| | 7 | 0.00 | 24.00 | | 4 | 13.35 | 18.05 |
| | 8 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 9 | 0.00 | 0.22 | | 6 | NA | NA |
| | 9 | 6.10 | 12.05 | | 7 | 0.00 | 24.00 |
| | 9 | 15.47 | 24.00 | | 8 | NA | NA NA |
| | 10 | 0.00 | 24.00 | | 9 | NA | NA NA |
| | 11 | 0.00 | 0.22 | | 10 | 13.44 | 18.05 |
| | 11 | 6.10 | 12.05 | | 11 | 13.44 | 18.05 |
| | 11 | 15.47 | 24.00 | | į į | 10.00 | 10.03 |
| | 11 | 13.47 | 24.00 | 5/29/2007 | 1 | NA | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|----------|-------------|---------------|-------------|-----------|---------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 5/6/2007 | 1 | NA | NA | | 2 | NA | NA |
| | 2 | NA | NA | | 3 | NA | NA |
| | 3 | NA | NA | | 4 | NA | NA |
| | 4 | 0.00 | 24.00 | | 5 | 0.00 | 10.50 |
| | 5 | 0.00 | 24.00 | | 5 | 16.51 | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | NA | NA |
| | 7 | 0.00 | 24.00 | | 7 | 0.00 | 10.50 |
| | 8 | 0.00 | 0.20 | | 7 | 16.51 | 24.00 |
| | 8 | 16.36 | 24.00 | | 8 | 10.50 | 21.08 |
| | 9 | 0.00 | 0.20 | | 9 | 13.05 | 21.08 |
| | 9 | 6.15 | 12.46 | | 9 | 22.55 | 24.00 |
| | 9 | 16.36 | 24.00 | | 10 | 13.05 | 16.51 |
| | 10 | 0.00 | 0.20 | | 11 | 13.05 | 21.08 |
| | 10 | 6.15 | 12.46 | | 11 | 22.55 | 24.00 |
| | 10 | 16.36 | 24.00 | | - 11 | 22.55 | 24.00 |
| | 11 | 0.00 | 24.00 | 5/30/2007 | 1 | 13.55 | 14.03 |
| | 11 | 0.00 | 24.00 | 5/30/2007 | <u>1</u> 1 | | |
| 5/7/2007 | 4 | 6.03 | 11 10 | | 2 | 14.20 NA | 22.18 NA |
| 5/1/2007 | 1 | 6.03 | 11.10 | | | | |
| | 1 | 16.28 | 23.01 | | 3 | 13.55 | 14.03 |
| | 2 | 6.03 | 11.10 | | 3 | 14.28 | 22.18 |
| | 2 | 16.24 | 23.01 | | 4 | 13.55 | 14.03 |
| | 3 | 0.27 | 23.01 | | 4 | 14.28 | 22.18 |
| | 4 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 6 | 13.55 | 14.03 |
| | 6 | 0.00 | 24.00 | | 6 | 14.20 | 22.18 |
| | 7 | 0.00 | 0.30 | | 7 | 0.00 | 24.00 |
| | 7 | 6.03 | 11.12 | | 8 | NA | NA |
| | 7 | 16.24 | 23.01 | | 9 | NA | NA |
| | 8 | 0.00 | 0.15 | | 10 | NA | NA |
| | 8 | 6.03 | 11.10 | | 11 | NA | NA |
| | 8 | 16.24 | 23.01 | | | | |
| | 9 | 0.00 | 0.15 | 5/31/2007 | 1 | NA | NA |
| | 9 | 6.03 | 11.10 | | 2 | NA | NA |
| | 9 | 16.24 | 23.01 | | 3 | NA | NA |
| | 10 | 0.00 | 0.15 | | 4 | 13.11 | 22.17 |
| | 10 | 6.03 | 11.10 | | 5 | 0.00 | 24.00 |
| | 10 | 16.24 | 23.01 | | 6 | 13.11 | 22.17 |
| | 11 | 0.00 | 0.15 | | 7 | 0.00 | 24.00 |
| | 11 | 6.03 | 23.01 | | 8 | NA | NA |
| | | | | | 9 | NA | NA |
| 5/8/2007 | 1 | 6.10 | 8.05 | | 10 | 19.13 | 22.17 |
| | 2 | 6.10 | 8.05 | | 11 | NA | NA |
| | 3 | 6.10 | 8.05 | | | | |
| | 3 | 17.15 | 22.57 | | | | |
| | 4 | 0.00 | 23.13 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 0.00 | 23.13 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 6.15 | 8.05 | | | | |
| | 9 | 6.15 | 11.00 | | | | |
| | 9 | 17.15 | 22.57 | | | | |
| | 10 | 6.15 | 11.00 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-----------|-------------|-----------------------|---------------------|------|-------------|-----------------------|---------------------|
| | 10 | 17.15 | 22.57 | | | | |
| | 11 | 6.15 | 11.00 | | | | |
| | 11 | 17.15 | 22.57 | | | | |
| 5/9/2007 | 1 | 20.10 | 22.12 | | | | |
| | 2 | 6.04 | 11.02 | | | | |
| | 2 | 16.27 | 22.12 | | | | |
| | 3 | 6.02 | 11.02 | | | | |
| | 3 | 16.27 | 22.12 | | | | |
| | 4 | 5.12 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 5.12 | 24.00 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 6.10 | 11.02 | | | | |
| | 8 | 16.27 | 22.12 | | | | |
| | 9 | 6.06 | 11.05 | | | | |
| | 9 | 16.27 | 22.12 | | | | |
| | 10 | 6.08 | 11.05 | | | | |
| | 10 | 16.27 | 22.12 | | | | |
| | 11 | 5.12 | 5.14 | | | | |
| | 11 | 6.02 | 11.02 | | | | |
| | 11 | 16.27 | 22.12 | | | | |
| | | | | | | | |
| 5/10/2007 | 1 | 6.18 | 8.00 | | | | |
| | 2 | 6.18 | 11.09 | | | | |
| | 3 | 6.18 | 8.00 | | | | |
| | 4 | 5.17 | 8.00 | | | | |
| | 4 | 11.08 | 23.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 5.17 | 23.00 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 6.10 | 8.00 | | | | |
| | 9 | 6.10 | 10.56 | | | | |
| | 9 | 16.14 | 22.05 | | | | |
| | 10 | 6.03 | 10.56 | | | | |
| | 10 | 16.14 | 22.05 | | | | |
| | 11 | 6.03 | 10.56 | | | | |
| | 11 | 16.14 | 22.05 | | | | |
| | | | | | | | |
| 5/11/2007 | 1 | 16.25 | 21.16 | | | | |
| | 2 | 16.25 | 21.16 | | | | |
| | 3 | 16.25 | 21.16 | | | | |
| | 4 | 5.14 | 22.20 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 5.14 | 22.20 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 6.00 | 11.00 | | | | |
| | 8 | 16.25 | 21.16 | | 1 | | |
| | 9 | 6.00 | 11.00 | | 1 | | |
| | 9 | 16.25 | 21.16 | | | | |
| | 10 | 6.00 | 11.00 | | | | |
| | 10 | 16.25 | 21.16 | | + | | |

| _ | | Turbine Start | Turbine End | _ | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 11 | 16.25 | 21.16 | | | | |
| | | | | | | | |
| 5/12/2007 | 1 | 18.20 | 23.37 | | | | |
| | 2 | 18.20 | 23.37 | | | | |
| | 3 | 18.20 | 23.37 | | | | |
| | 4 | 7.11 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 7.11 | 24.00 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 18.20 | 23.37 | | | | |
| | 9 | 18.20 | 23.37 | | | | |
| | 10 | 18.20 | 23.37 | | | | |
| | 11 | 7.11 | 24.00 | | | | |

| <u>4/16</u> | 6/2008-6/6/2 | 2008 | | | | | |
|-------------|--------------|-----------------------|---------------------|-----------|-------------|-----------------------|---------------------|
| | | | | | | | |
| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
| 4/16/2008 | 1 | 4.11 | 11.28 | 5/13/2008 | 1 | 5.56 | 24.00 |
| | 1 | 17.19 | 23.06 | | 2 | 5.56 | 24.00 |
| | 2 | 5.10 | 11.28 | | 3 | 5.56 | 24.00 |
| | 2 | 17.19 | 22.22 | | 4 | 5.26 | 24.00 |
| | 3 | 4.11 | 11.28 | | 5 | 0.00 | 24.00 |
| | 3 | 17.19 | 22.22 | | 6 | 5.26 | 24.00 |
| | 4 | 5.10 | 23.06 | | 7 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 8 | 5.56 | 24.00 |
| | 6 | 0.00 | 24.00 | | 9 | 5.26 | 24.00 |
| | 7 | 5.10 | 22.22 | | 10 | 5.56 | 24.00 |
| | 8 | 5.10 | 11.28 | | 11 | 5.56 | 24.00 |
| | 8 | 17.19 | 22.22 | | | | |
| | 9 | 5.10 | 11.28 | 5/14/2008 | 1 | 0.00 | 0.52 |
| | 9 | 17.19 | 22.22 | | 1 | 6.11 | 22.18 |
| | 10 | 5.10 | 11.28 | | 2 | 0.00 | 0.52 |
| | 10 | 17.19 | 22.22 | | 2 | 6.11 | 22.18 |
| | 11 | 4.11 | 11.28 | | 3 | 0.00 | 0.52 |
| | 11 | 17.19 | 23.06 | | 3 | 6.11 | 22.18 |
| | | | | | 4 | 0.00 | 0.52 |
| 4/17/2008 | 1 | 5.09 | 11.05 | | 4 | 5.24 | 23.19 |
| .,, 2000 | 2 | 5.09 | 11.05 | | 5 | 0.00 | 24.00 |
| | 3 | 4.13 | 11.05 | | 6 | 0.00 | 0.52 |
| | 3 | 15.30 | 23.45 | | 6 | 5.24 | 23.19 |
| | 4 | 4.13 | 23.45 | | 7 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 8 | 0.00 | 0.52 |
| | 6 | 0.00 | 23.33 | | 8 | 6.11 | 22.18 |
| | 7 | 5.09 | 15.31 | | 9 | 0.00 | 0.52 |
| | 8 | 5.09 | 11.05 | | 9 | 5.24 | 23.19 |
| | 8 | 17.24 | 24.00 | | 10 | 0.00 | 0.52 |
| | 9 | 5.09 | 11.05 | | 10 | 6.11 | 22.18 |
| | 9 | 17.24 | 23.28 | | 11 | 0.00 | 0.52 |
| | 10 | 5.09 | 11.05 | | 11 | 6.11 | 22.18 |
| | 11 | 4.13 | 11.05 | | 11 | 0.11 | 22.10 |
| | | 4.13 | 11.05 | 5/15/2008 | 1 | 6.03 | 23.15 |
| 4/18/2008 | 1 | 5.12 | 11.00 | 3/13/2008 | 2 | 6.03 | 23.15 |
| 4/10/2000 | 1 | 17.23 | 22.11 | | 3 | 6.03 | 23.15 |
| | 2 | 5.12 | 11.00 | | 4 | 5.23 | 24.00 |
| | 2 | 17.23 | 22.11 | | 5 | 0.00 | 24.00 |
| | 3 | 4.12 | 23.04 | | 6 | 5.23 | 24.00 |
| | 4 | 4.12 | 23.04 | | 7 | 0.00 | 24.00 |
| | 4 5 | 0.00 | 24.00 | | 8 | 6.03 | 23.15 |
| | 6 | 1.48 | 24.00 | | 9 | 5.23 | 24.00 |
| | 7 | | | | | | |
| | | 5.12 | 11.00 | | 10 | 6.03 | 23.15 |
| | 7 | 17.23 | 22.11 | | 11 | 6.03 | 23.15 |
| | 8 | 0.00 | 0.23 | E/40/0000 | 4 | 0.44 | 40.04 |
| | 8 | 5.12 | 11.00 | 5/16/2008 | 1 | 6.14 | 13.24 |
| | 8 | 17.23 | 22.11 | | 1 | 18.03 | 24.00 |
| | 9 | 5.12 | 11.00 | | 2 | 6.14 | 13.24 |
| | 9 | 17.23 | 22.11 | | 2 | 18.03 | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 5.12 | 11.00 | | 3 | 6.14 | 13.24 |
| | 10 | 17.23 | 23.04 | | 3 | 18.03 | 24.00 |
| | 11 | 0.22 | 11.00 | | 4 | 5.07 | 24.00 |
| | 11 | 17.23 | 22.11 | | 5 | 0.00 | 24.00 |
| | | - | | | 6 | 5.07 | 24.00 |
| 4/19/2008 | 1 | NA | NA | | 7 | 0.00 | 24.00 |
| 171072000 | 2 | NA | NA | | 8 | 6.14 | 24.00 |
| | 3 | 6.17 | 12.04 | | 9 | 5.07 | 13.24 |
| | 3 | 18.06 | 23.01 | | 9 | 18.03 | 24.00 |
| | 4 | 6.17 | 12.04 | | 10 | 6.14 | 13.24 |
| | 4 | 18.06 | 23.01 | | 10 | 18.03 | 24.00 |
| | | | | | | | |
| | 5 | 0.00 | 24.00 | | 11 | 6.40 | 13.24 |
| | 6 | 0.00 | 24.00 | | 11 | 18.03 | 24.00 |
| | 7 | NA | NA | -/ | _ | | |
| | 8 | 6.17 | 11.18 | 5/17/2008 | 1 | 0.00 | 0.09 |
| | 9 | 6.17 | 11.18 | | 1 | 8.37 | 22.58 |
| | 9 | 18.06 | 23.01 | | 2 | 0.00 | 0.09 |
| | 10 | 6.17 | 11.18 | | 2 | 8.37 | 22.58 |
| | 10 | 18.06 | 23.01 | | 3 | 0.00 | 0.09 |
| | 11 | NA | NA | | 3 | 8.37 | 22.58 |
| | | | | | 4 | 0.00 | 1.10 |
| 4/20/2008 | 1 | NA | NA | | 4 | 7.27 | 24.00 |
| | 2 | NA | NA | | 5 | 0.00 | 24.00 |
| | 3 | 14.21 | 23.00 | | 6 | 0.00 | 1.10 |
| | 4 | 14.21 | 23.00 | | 6 | 7.27 | 24.00 |
| | 5 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 8 | 0.00 | 1.10 |
| | 7 | NA | NA | | 8 | 7.27 | 24.00 |
| | 8 | 16.54 | 23.00 | | 9 | 0.00 | 0.09 |
| | 9 | 14.21 | 23.00 | | 9 | 8.37 | 22.58 |
| | 10 | 16.54 | 23.00 | | 10 | 0.00 | 0.09 |
| | 11 | NA | NA | | 10 | 8.37 | 22.58 |
| | | | | | 11 | 0.00 | 0.09 |
| 4/21/2008 | 1 | 5.05 | 8.05 | | 11 | 8.37 | 22.58 |
| | 1 | 17.48 | 22.02 | | | | |
| | 2 | 5.05 | 8.05 | 5/18/2008 | 1 | 17.17 | 24.00 |
| | 2 | 17.48 | 22.02 | 57.57=555 | 2 | 17.17 | 24.00 |
| | 3 | 4.18 | 15.00 | | 3 | 17.17 | 24.00 |
| | 3 | 17.21 | 23.05 | | 4 | 0.00 | 0.29 |
| | 4 | 4.18 | 15.00 | | 4 | 11.03 | 24.00 |
| | 4 | 17.21 | 23.05 | | 5 | 0.00 | 24.00 |
| | 4 5 | 0.00 | 24.00 | | 6 | 0.00 | 0.29 |
| | | | 24.00 | | | | |
| | 6 | 0.00 | | | 6 | 11.03 | 24.00 |
| | 7 | 5.05 | 8.05 | | 7 | 0.00 | 24.00 |
| | 7 | 17.48 | 22.02 | | 8 | 0.00 | 0.29 |
| | 8 | 5.05 | 15.00 | | 8 | 11.03 | 24.00 |
| | 8 | 17.48 | 22.02 | | 9 | 11.03 | 24.00 |
| | 9 | 4.18 | 15.00 | | 10 | 11.03 | 24.00 |
| | 9 | 17.21 | 23.05 | | 11 | 11.03 | 24.00 |
| | 10 | 5.05 | 15.00 | | | | |
| | 10 | 17.48 | 22.02 | 5/19/2008 | 1 | 0.00 | 0.05 |
| | 11 | 5.05 | 8.05 | | 1 | 5.09 | 23.03 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|-----------|-------------|----------------------|-------------|-----------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 11 | 17.48 | 22.02 | | 2 | 0.00 | 0.05 |
| | | | | | 2 | 5.09 | 23.03 |
| 4/22/2008 | 1 | 18.21 | 22.45 | | 3 | 0.00 | 0.05 |
| | 2 | 18.21 | 22.45 | | 3 | 5.09 | 24.00 |
| | 3 | 4.11 | 24.00 | | 4 | 0.00 | 24.00 |
| | 4 | 4.11 | 24.00 | | 5 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 7 | 18.21 | 22.45 | | 8 | 0.00 | 0.05 |
| | 8 | 5.13 | 22.45 | | 8 | 5.09 | 23.03 |
| | 9 | 4.11 | 24.00 | | 9 | 0.00 | 24.00 |
| | 10 | 5.13 | 22.45 | | 10 | 0.00 | 0.05 |
| | 11 | 18.21 | 22.45 | | 10 | 5.09 | 23.03 |
| | - 11 | 10.21 | 22.45 | | | | |
| 4/00/0000 | | 40.50 | 22.20 | | 11 | 0.00 | 24.00 |
| 4/23/2008 | 1 | 19.56 | 23.30 | 5/00/0000 | 4 | 5.00 | 00.00 |
| | 2 | 19.56 | 23.30 | 5/20/2008 | 1 | 5.03 | 22.23 |
| | 3 | 4.12 | 24.00 | | 2 | 5.03 | 22.23 |
| | 4 | 0.00 | 24.00 | | 3 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 4 | 0.00 | 24.00 |
| | 6 | 4.12 | 24.00 | | 5 | 0.00 | 24.00 |
| | 7 | 19.56 | 23.30 | | 6 | 0.00 | 24.00 |
| | 8 | 4.56 | 23.30 | | 7 | 5.03 | 22.23 |
| | 9 | 4.12 | 24.00 | | 8 | 5.03 | 22.23 |
| | 10 | 4.56 | 23.30 | | 9 | 0.00 | 22.23 |
| | 11 | 19.56 | 23.30 | | 10 | 5.03 | 22.23 |
| | | | | | 11 | 0.00 | 24.00 |
| 4/24/2008 | 1 | 14.07 | 17.53 | | | | |
| | 2 | 14.07 | 17.53 | 5/21/2008 | 1 | 5.12 | 22.53 |
| | 3 | 0.00 | 11.17 | | 2 | 5.12 | 22.53 |
| | 3 | 13.13 | 22.06 | | 3 | 5.12 | 22.53 |
| | 4 | 0.00 | 0.22 | | 4 | 0.00 | 0.10 |
| | 4 | 4.26 | 11.17 | | 4 | 4.34 | 24.00 |
| | 4 | 13.13 | 22.06 | | 5 | 0.00 | 24.00 |
| | 5 | 0.00 | 0.22 | | 6 | 0.00 | 0.10 |
| | 5 | 4.26 | 24.00 | | 6 | 4.34 | 24.00 |
| | 6 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 7 | 14.07 | 17.53 | | 8 | 5.12 | 22.53 |
| | 8 | 14.07 | 17.53 | | 9 | 5.12 | 22.53 |
| | 9 | 0.00 | 0.22 | | 10 | 5.12 | 22.53 |
| | 9 | 4.26 | 10.02 | | 11 | 0.00 | 0.10 |
| | 9 | 14.07 | 22.06 | | 11 | 4.34 | 24.00 |
| | 10 | 5.00 | 10.02 | | • • • | | |
| | 10 | 14.07 | 17.53 | 5/22/2008 | 1 | 5.18 | 23.17 |
| | 11 | 5.00 | 10.02 | 0,22,2000 | 2 | 5.18 | 23.17 |
| | 11 | 14.07 | 17.53 | | 3 | 5.18 | 23.17 |
| | 11 | 17.07 | 17.00 | | 4 | 0.00 | 24.00 |
| 1/25/2000 | 4 | 14.04 | 10.20 | | | | |
| 4/25/2008 | 1 | 14.04 | 19.30 | | 5 | 0.00 | 24.00 |
| | 2 | 14.04 | 19.30 | | 6 | 0.00 | 24.00 |
| | 3 | 6.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 4 | 6.00 | 24.00 | | 8 | 5.18 | 23.17 |
| | 5 | 0.00 | 24.00 | | 9 | 5.18 | 23.17 |
| | 6 | 0.00 | 24.00 | | 10 | 5.18 | 23.17 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 7 | 14.04 | 19.30 | | 11 | 0.00 | 23.17 |
| | 8 | 14.04 | 23.21 | | | | |
| | 9 | 12.00 | 24.00 | 5/23/2008 | 1 | 6.10 | 11.09 |
| | 10 | 12.00 | 23.21 | | 1 | 19.11 | 23.04 |
| | 11 | 12.00 | 19.30 | | 2 | 6.10 | 11.09 |
| | | | | | 2 | 19.11 | 23.04 |
| 4/26/2008 | 1 | 17.16 | 22.00 | | 3 | 6.10 | 11.09 |
| | 2 | 17.16 | 22.00 | | 3 | 19.11 | 23.04 |
| | 3 | 0.00 | 0.31 | | 4 | 0.00 | 24.00 |
| | 3 | 5.04 | 11.02 | | 5 | 0.00 | 24.00 |
| | 3 | 15.19 | 23.04 | | 6 | 0.00 | 24.00 |
| | 4 | 0.00 | 0.31 | | 7 | 0.00 | 24.00 |
| | 4 | 5.04 | 11.02 | | 8 | 6.10 | 24.00 |
| | 4 | 15.19 | 23.04 | | 9 | 6.10 | 11.09 |
| | 5 | 0.00 | 24.00 | | 9 | 19.11 | 24.00 |
| | 6 | 0.00 | 24.00 | | 10 | 6.10 | 24.00 |
| | 7 | 17.16 | 22.00 | | 11 | 6.10 | 23.04 |
| | 8 | 17.16 | 22.00 | | 11 | 0.10 | 23.04 |
| | 9 | | | E/24/2000 | 1 | 10.00 | 24.00 |
| | | 0.00 | 0.31 | 5/24/2008 | 1 | 19.09 | |
| | 9 | 5.04 | 11.02 | | 2 | 19.09 | 24.00 |
| | 9 | 15.19 | 23.04 | | 3 | 19.09 | 24.00 |
| | 10 | 16.48 | 22.00 | | 4 | 0.00 | 0.05 |
| | 11 | 17.16 | 22.00 | | 4 | 6.14 | 24.00 |
| | | | | | 5 | 0.00 | 24.00 |
| 4/27/2008 | 1 | 18.40 | 21.56 | | 6 | 0.00 | 0.05 |
| | 2 | 18.40 | 21.56 | | 6 | 6.14 | 24.00 |
| | 3 | 14.08 | 22.18 | | 7 | 0.00 | 24.00 |
| | 4 | 14.08 | 22.17 | | 8 | 0.00 | 0.05 |
| | 5 | 0.00 | 24.00 | | 8 | 6.14 | 9.41 |
| | 6 | 0.00 | 24.00 | | 8 | 14.44 | 24.00 |
| | 7 | NA | NA | | 9 | 0.00 | 0.05 |
| | 8 | 14.45 | 21.56 | | 9 | 6.14 | 24.00 |
| | 9 | 14.08 | 22.18 | | 10 | 0.00 | 0.05 |
| | 10 | 14.45 | 22.18 | | 10 | 6.14 | 8.38 |
| | 11 | 14.45 | 21.56 | | 10 | 14.44 | 24.00 |
| | | | | | 11 | 19.09 | 24.00 |
| 4/28/2008 | 1 | 5.08 | 24.00 | | | | |
| | 2 | 5.08 | 24.00 | 5/25/2008 | 1 | 0.00 | 0.05 |
| | 3 | 4.10 | 24.00 | | 2 | 0.00 | 0.05 |
| | 4 | 4.10 | 24.00 | | 3 | 0.00 | 0.05 |
| | 5 | 0.00 | 24.00 | | 4 | 0.00 | 1.04 |
| | 6 | 0.00 | 24.00 | | 4 | 10.05 | 24.00 |
| | 7 | NA | NA | | 5 | 0.00 | 24.00 |
| | 8 | 5.08 | 24.00 | | 6 | 0.00 | 1.04 |
| | 9 | 4.10 | 24.00 | | 6 | 10.05 | 24.00 |
| | 10 | 5.08 | 24.00 | | 7 | 0.00 | 24.00 |
| | 11 | 5.08 | 24.00 | | 8 | 0.00 | 0.05 |
| | | | | | 8 | 10.05 | 22.05 |
| 4/29/2008 | 1 | 0.00 | 18.45 | | 9 | 0.00 | 0.05 |
| | 2 | 0.00 | 18.07 | | 9 | 13.09 | 22.05 |
| | 3 | 0.00 | 23.09 | | 10 | 0.00 | 0.05 |
| | 4 | 0.00 | 23.09 | | 10 | 13.09 | 22.05 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|------------|-------------|---------------|-------------|-------------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 5 | 0.00 | 24.00 | | 11 | 0.00 | 1.04 |
| | 6 | 0.00 | 24.00 | | 11 | 13.09 | 22.05 |
| | 7 | NA | NA | | | | |
| | 8 | 0.00 | 18.45 | 5/26/2010 | 1 | 16.19 | 23.03 |
| | 9 | 0.00 | 22.01 | | 2 | 16.19 | 23.03 |
| | 10 | 0.00 | 22.01 | | 3 | 16.19 | 23.03 |
| | 11 | 0.00 | 23.09 | | 4 | 0.00 | 24.00 |
| | | | | | 5 | 0.00 | 24.00 |
| 4/30/2008 | 1 | 5.14 | 22.00 | | 6 | 0.00 | 24.00 |
| | 2 | 5.14 | 22.00 | | 7 | 0.00 | 24.00 |
| | 3 | 4.02 | 24.00 | | 8 | 16.19 | 23.03 |
| | 4 | 4.02 | 24.00 | | 9 | 16.19 | 24.00 |
| | 5 | 0.00 | 24.00 | | 10 | 16.19 | 23.03 |
| | 6 | 0.00 | 24.00 | | 11 | 16.19 | 23.03 |
| | 7 | NA | NA | | | | |
| | 8 | 5.14 | 22.00 | 5/27/2008 | 1 | 11.23 | 19.57 |
| | 9 | 4.02 | 22.00 | 0/21/2000 | 2 | 11.23 | 19.57 |
| | 10 | 5.14 | 22.00 | | 3 | 11.23 | 19.57 |
| | 11 | 5.14 | 24.00 | | 4 | 0.00 | 0.03 |
| | | 0.14 | 24.00 | | 4 | 9.09 | 23.06 |
| 5/1/2008 | 1 | 5.27 | 21.24 | | 5 | 0.00 | 24.00 |
| 3/1/2000 | 2 | 5.27 | 21.24 | | 6 | 0.00 | 0.03 |
| | 3 | 0.00 | 23.17 | | 6 | 9.09 | 24.00 |
| | 4 | 0.00 | 23.17 | | 7 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 8 | 9.09 | 23.06 |
| | 6 | 0.00 | 24.00 | | 9 | 0.00 | 0.03 |
| | 7 | 18.04 | 21.24 | | 9 | 11.23 | 24.00 |
| | | | | | | | |
| | 9 | 5.27 | 21.24 | | 10 | 11.23 | 19.57 |
| | | 5.27 | 21.24 | | 11 | 11.23 | 23.06 |
| | 10 | 5.27 | | F /00 /0000 | 4 | 40.40 | 47.40 |
| | 11 | 0.00 | 23.17 | 5/28/2008 | 1 | 10.10 | 17.40 |
| F /0 /0000 | | 5.00 | 44.40 | | 2 | NA 0.40 | NA 47.40 |
| 5/2/2008 | 1 | 5.03 | 11.19 | | 3 | 9.10 | 17.40 |
| | 1 | 14.20 | 20.12 | | 4 | 10.10 | 17.40 |
| | 1 | 20.55 | 24.00 | | 4 | 19.18 | 23.31 |
| | 2 | 5.03 | 11.19 | | 5 | 0.00 | 0.19 |
| | 2 | 14.20 | 20.12 | | 5 | 19.27 | 23.31 |
| | 2 | 20.55 | 23.48 | | 6 | 0.00 | 0.19 |
| | 3 | 4.27 | 11.19 | | 6 | 10.10 | 24.00 |
| | 3 | 14.20 | 20.12 | | 7 | 0.00 | 0.19 |
| | 3 | 20.55 | 23.48 | | 7 | 9.10 | 24.00 |
| | 4 | 4.27 | 23.48 | | 7 | 20.15 | 23.31 |
| | 5 | 0.00 | 24.00 | | 9 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 10 | 10.10 | 17.40 |
| | 7 | 5.03 | 24.00 | | 10 | 20.15 | 23.31 |
| | 8 | 5.03 | 11.19 | | 11 | 20.15 | 23.31 |
| | 8 | 14.20 | 20.12 | | | | |
| | 8 | 20.55 | 23.48 | 5/29/2008 | 1 | 11.25 | 18.06 |
| | 9 | 4.27 | 11.19 | | 2 | 14.15 | 18.06 |
| | 9 | 14.20 | 23.48 | | 3 | 14.15 | 18.06 |
| | 10 | 5.03 | 11.19 | | 4 | 11.25 | 18.11 |
| | 10 | 14.20 | 20.12 | | 5 | 10.09 | 18.11 |

| | | Turbine Start | | | | Turbine Start | |
|----------|-------------|---------------|----------|-----------|-------------|---------------|----------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 20.55 | 23.48 | | 6 | 0.00 | 0.30 |
| | 11 | 5.03 | 20.12 | | 6 | 10.09 | 19.27 |
| | 11 | 20.55 | 24.00 | | 7 | 0.00 | 0.30 |
| | | | | | 7 | 10.09 | 19.27 |
| 5/3/2008 | 1 | 0.00 | 0.24 | | 8 | 14.15 | 24.00 |
| | 1 | 7.30 | 10.01 | | 9 | 0.00 | 18.11 |
| | 1 | 17.06 | 22.10 | | 10 | 11.25 | 18.11 |
| | 2 | 7.30 | 10.01 | | 11 | 11.25 | 18.11 |
| | 2 | 17.06 | 22.10 | | | | |
| | 3 | 7.30 | 10.01 | 5/30/2008 | 1 | 12.10 | 16.03 |
| | 3 | 17.06 | 22.10 | | 2 | 12.10 | 16.03 |
| | 4 | 6.13 | 11.10 | | 3 | 12.10 | 16.03 |
| | 4 | 16.44 | 24.00 | | 4 | 9.31 | 16.59 |
| | 5 | 0.00 | 24.00 | | 4 | 22.57 | 24.00 |
| | 6 | 0.00 | 11.10 | | 5 | 9.31 | 24.00 |
| | 6 | 16.44 | 24.00 | | 6 | 9.31 | 16.59 |
| | 7 | 0.00 | 0.24 | | 6 | 22.57 | 24.00 |
| | 7 | 6.13 | 24.00 | | 7 | 9.31 | 24.00 |
| | 8 | 7.30 | 10.01 | | 8 | 0.00 | 16.03 |
| | 8 | 16.44 | 22.10 | | 9 | 9.31 | 16.03 |
| | 9 | 7.30 | 11.10 | | 10 | 9.31 | 16.03 |
| | 9 | 17.06 | 24.00 | | 11 | 12.10 | 16.03 |
| | 10 | 7.30 | 10.01 | | | 12.10 | 10.00 |
| | 10 | 17.06 | 22.10 | 5/31/2008 | 1 | NA | NA |
| | 11 | 0.00 | 0.24 | 3/31/2000 | 2 | NA NA | NA NA |
| | 11 | 7.30 | 10.01 | | 3 | NA NA | INA |
| | 11 | 17.06 | 22.10 | | 4 | 0.00 | 3.39 |
| | 11 | 17.00 | 22.10 | | 4 | 10.55 | 17.20 |
| 5/4/2008 | 1 | 16.11 | 22.50 | | 4 5 | 0.00 | 24.00 |
| 5/4/2008 | | | | | | | |
| | 2 | 16.11 | 22.50 | | 6 | 0.00 | 3.39 |
| | 3 | 16.11 | 22.50 | | 6 | 10.55 | 20.10 |
| | 4 | 0.00 | 0.24 | | 7 | 0.00 | 24.00 |
| | 4 | 12.07 | 22.50 | | 8 | 10.55 | 17.20 |
| | 5 | 0.00 | 24.00 | | 9 | 13.01 | 16.12 |
| | 6 | 0.00 | 0.24 | | 10 | 12.11 | 16.12 |
| | 6 | 12.07 | 22.50 | | 11 | 13.09 | 16.12 |
| | 7 | 0.00 | 24.00 | 0/4/0000 | | NIA | |
| | 8 | 16.11 | 22.50 | 6/1/2008 | 1 | NA NA | NA |
| | 9 | 0.00 | 0.24 | | 2 | NA NA | NA |
| | 9 | 12.07 | 22.50 | | 3 | NA 45.40 | NA |
| | 10 | 12.07 | 22.50 | | 4 | 15.12 | 21.17 |
| | 11 | 16.11 | 22.50 | | 5 | 0.00 | 24.00 |
| | | | . | | 6 | 15.12 | 21.17 |
| 5/5/2008 | 1 | 7.13 | 22.28 | | 7 | 0.00 | 0.36 |
| | 2 | 7.13 | 22.28 | | 7 | 15.12 | 21.17 |
| | 3 | 7.13 | 22.28 | | 8 | 15.12 | 21.17 |
| | 4 | 6.42 | 24.00 | | 9 | NA | NA |
| | 5 | 0.00 | 24.00 | | 10 | NA | NA |
| | 6 | 6.42 | 24.00 | | 11 | NA | NA |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 7.13 | 22.28 | 6/2/2008 | 1 | NA | NA |
| | 9 | 6.42 | 22.28 | | 2 | NA | NA |

| Date | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|----------|-------------|---------------|----------------|----------|-------------|---------------|------------|
| | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 7.13 | 22.28 | | 3 | NA | NA |
| | 11 | 7.13 | 24.00 | | 4 | 10.19 | 22.08 |
| | | | | | 5 | 0.00 | 24.00 |
| 5/6/2008 | 1 | 6.12 | 21.21 | | 6 | 10.19 | 22.08 |
| | 2 | 6.12 | 21.21 | | 7 | 10.19 | 22.08 |
| | 3 | 6.12 | 21.21 | | 8 | 10.19 | 22.08 |
| | 4 | 0.00 | 0.21 | | 9 | 11.37 | 18.01 |
| | 4 | 5.07 | 22.05 | | 10 | 11.37 | 18.01 |
| | 5 | 0.00 | 24.00 | | 11 | 11.37 | 18.10 |
| | 6 | 0.00 | 0.21 | | | | |
| | 6 | 5.07 | 22.05 | 6/3/2008 | 1 | NA | NA |
| | 7 | 0.00 | 24.00 | 5/5/2000 | 2 | NA | NA |
| | 8 | 6.12 | 21.21 | | 3 | 13.05 | 19.17 |
| | 9 | 5.07 | 21.21 | | 4 | 11.21 | 19.07 |
| | 10 | 6.12 | 21.21 | | 5 | 0.00 | 24.00 |
| | 11 | 0.00 | 0.21 | | 6 | 11.21 | 19.17 |
| | 11 | 6.12 | 22.05 | | 7 | NA | NA |
| | 11 | 0.12 | 22.03 | | 8 | 14.03 | 19.07 |
| E/7/2000 | 1 | 0.15 | 24.40 | | 9 | | |
| 5/7/2008 | 1 | 8.15 | 21.19 | | | 14.03 | 19.07 |
| | 2 | 8.15 | 21.19 | | 10 | 14.03 | 19.07 |
| | 3 | 8.15 | 21.19 | | 11 | 14.03 | 19.07 |
| | 4 | 5.27 | 22.02 | 0///0000 | | | |
| | 5 | 0.00 | 24.00 | 6/4/2008 | 1 | NA | NA |
| | 6 | 5.27 | 22.02 | | 2 | NA | NA |
| | 7 | 0.00 | 24.00 | | 3 | 13.43 | 14.23 |
| | 8 | 8.15 | 21.19 | | 4 | 12.00 | 19.03 |
| | 9 | 5.27 | 21.19 | | 5 | 0.00 | 13.43 |
| | 10 | 8.15 | 21.19 | | 5 | 14.23 | 24.00 |
| | 11 | 8.15 | 21.19 | | 6 | 11.16 | 19.03 |
| | | | | | 7 | 11.16 | 20.03 |
| 5/8/2008 | 1 | 10.15 | 17.14 | | 8 | 13.23 | 19.03 |
| | 2 | 10.15 | 17.14 | | 9 | 13.23 | 18.11 |
| | 3 | 10.15 | 17.14 | | 10 | 13.23 | 18.11 |
| | 4 | 6.01 | 23.21 | | 11 | 13.23 | 18.11 |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 6.01 | 24.00 | 6/5/2008 | 1 | NA | NA |
| | 7 | 0.00 | 23.21 | | 2 | 11.15 | 21.27 |
| | 8 | 8.13 | 22.23 | | 3 | NA | NA |
| | 9 | 8.13 | 22.23 | | 4 | 11.15 | 21.27 |
| | 10 | 8.13 | 22.23 | | 5 | 0.00 | 24.00 |
| | 11 | 8.13 | 17.14 | | 6 | 11.15 | 21.27 |
| | | | | | 7 | NA | NA |
| 5/9/2008 | 1 | NA | NA | | 8 | 11.15 | 20.07 |
| | 2 | NA | NA | | 9 | 12.30 | 20.07 |
| | 3 | 7.00 | 24.00 | | 10 | 12.30 | 20.07 |
| | 4 | 7.00 | 24.00 | | 11 | 12.30 | 21.27 |
| | 5 | 0.00 | 24.00 | | | .2.00 | |
| | 6 | 0.00 | 24.00 | 6/6/2008 | 1 | NA | NA |
| | 7 | NA | 24.00 NA | 0/0/2006 | 2 | NA NA | NA NA |
| | 8 | 11.10 | 23.14 | | 3 | NA NA | NA NA |
| - | | | | | | | |
| | 9 | 8.10 | 23.14 23.14 | | 4 5 | 10.54 | 20.02 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 11 | 11.10 | 23.14 | | 6 | 10.54 | 20.02 |
| | | | | | 7 | 10.54 | 21.05 |
| 5/10/2008 | 1 | NA | NA | | 8 | 10.54 | 19.28 |
| | 2 | NA | NA | | 9 | 12.30 | 19.28 |
| | 3 | 0.00 | 0.30 | | 10 | 12.30 | 19.28 |
| | 4 | 0.00 | 0.30 | | 11 | 12.30 | 20.02 |
| | 4 | 6.03 | 23.03 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 0.00 | 23.03 | | | | |
| | 7 | 6.03 | 24.00 | | | | |
| | 8 | 8.25 | 13.30 | | | | |
| | 8 | 18.08 | 23.03 | | | | |
| | 9 | 6.03 | 13.30 | | | | |
| | 9 | 18.08 | 23.03 | | | | |
| | 10 | 8.25 | 13.30 | | | | |
| | 10 | 18.08 | 23.03 | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 5/11/2008 | 1 | 18.13 | 23.15 | | | | |
| | 2 | 18.13 | 23.15 | | | | |
| | 3 | 18.13 | 23.15 | | | | |
| | 4 | 13.10 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 13.10 | 24.00 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 18.13 | 24.00 | | | | |
| | 9 | 13.10 | 23.15 | | | | |
| | 10 | 15.55 | 23.15 | | | | |
| | 11 | 18.13 | 23.15 | | | | |
| 5/12/2008 | 1 | 6.02 | 15.03 | | | | |
| | 1 | 19.29 | 21.58 | | | | |
| | 2 | 6.02 | 15.03 | | | | |
| | 2 | 19.29 | 21.58 | | | | |
| | 3 | 6.02 | 15.03 | | | | |
| | 3 | 19.29 | 21.58 | | | | |
| | 4 | 0.00 | 0.15 | | | | |
| | 4 | 5.04 | 23.16 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 0.00 | 0.15 | | | | |
| | 6 | 5.04 | 23.16 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 0.00 | 0.15 | | | | |
| | 8 | 6.02 | 21.58 | | | | |
| | 9 | 5.04 | 23.16 | | | | |
| | 10 | 5.04 | 5.10 | | | | |
| | 10 | 6.02 | 21.58 | | | | |
| | 11 | 6.02 | 21.58 | | | | |

| | 4/1/2009-6 | <u>/6/2009</u> | | | | | |
|----------|-------------|-----------------------|---------------------|----------|-------------|-----------------------|---------------------|
| | | | | | | | |
| | | T 1: 0: : | T .: | | | T 1: 0: : | - - . |
| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
| 4/1/2009 | 1 | 0.00 | 0.06 | 5/6/2009 | 1 | 10.02 | 23.08 |
| 4/1/2009 | | | | 5/6/2009 | 2 | 10.02 | |
| | 1 | 17.13 | 22.12 | | | | 23.08 |
| | 2 | 0.00 5.05 | 24 | | 3 | 10.02 | 23.08 24.00 |
| | 3 | | 11.08 | | | 9.06 | 24.00 |
| | 3 | 17.13 | 22.12 | | 5 | 0.00 | |
| | 4 | 6.27 | 11.08 22.12 | | 6 7 | 9.06 0.00 | 24.00 |
| | 4 | 17.13 | | | | | 24.00 |
| | 5 | 6.27 | 11.08 | | 8 | 10.02 | 23.08 |
| | 5 | 17.13 | 22.12 | | 9 | 10.02 | 23.08 |
| | 6 | 0.00 | 0.06 | | 10 | 9.06 | 24.00 |
| | 6 | 5.05 | 11.08 | | 11 | 10.02 | 23.08 |
| | 6 | 17.13 | 22.12 | | | | |
| | 7 | 0.00 | 24.00 | 5/7/2009 | 1 | 9.16 | 23.08 |
| | 8 | 6.27 | 11.08 | | 2 | 9.16 | 23.08 |
| | 8 | 17.13 | 22.12 | | 3 | 8.11 | 23.08 |
| | 9 | 6.27 | 11.08 | | 4 | 0.00 | 0.05 |
| | 10 | NA | NA | | 4 | 9.16 | 24.00 |
| | 11 | NA | NA | | 5 | 0.00 | 24.00 |
| | | | | | 6 | 0.00 | 0.05 |
| 4/2/2009 | 1 | 17.15 | 23.07 | | 6 | 8.11 | 24.00 |
| | 2 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 3 | 5.07 | 11.07 | | 8 | 8.11 | 23.08 |
| | 3 | 16.12 | 22.07 | | 9 | 9.16 | 23.08 |
| | 4 | 6.32 | 11.07 | | 10 | 0.00 | 0.05 |
| | 4 | 16.12 | 22.07 | | 10 | 9.16 | 24.00 |
| | 5 | 6.32 | 11.07 | | 11 | 9.16 | 23.08 |
| | 5 | 16.12 | 22.07 | | | | |
| | 6 | 5.07 | 11.07 | 5/8/2009 | 1 | 8.14 | 23.24 |
| | 6 | 16.12 | 23.07 | | 2 | 8.14 | 24.00 |
| | 7 | 0.00 | 24.00 | | 3 | 8.14 | 24.00 |
| | 8 | 6.32 | 11.07 | | 4 | 0.00 | 24.00 |
| | 9 | 6.32 | 11.07 | | 5 | 0.00 | 24.00 |
| | 9 | 17.15 | 22.07 | | 6 | 0.00 | 24.00 |
| | 10 | 17.15 | 22.07 | | 7 | 0.00 | 24.00 |
| | 11 | 17.15 | 22.07 | | 8 | 8.14 | 23.24 |
| | | | | | 9 | 8.14 | 23.24 |
| 4/3/2009 | 1 | 6.14 | 11.06 | | 10 | 0.00 | 23.24 |
| | 1 | 18.07 | 23.01 | | 11 | 8.14 | 23.24 |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 5.01 | 11.06 | 5/9/2009 | 1 | 17.16 | 23.10 |
| | 3 | 17.23 | 22.06 | | 2 | 0.00 | 0.50 |
| | 4 | 6.14 | 11.06 | | 2 | 17.16 | 22.11 |
| | 4 | 17.23 | 22.06 | | 3 | 0.00 | 0.50 |
| | 5 | 6.14 | 12.06 | | 3 | 17.16 | 23.10 |
| | 5 | 18.17 | 22.06 | | 4 | 0.00 | 0.50 |
| | 6 | 5.01 | 12.06 | | 4 | 8.07 | 22.11 |
| | 6 | 18.07 | 23.01 | | 5 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 6 | 0.00 | 0.50 |
| | 8 | 18.07 | 22.06 | | 6 | 8.07 | 22.11 |

| | | Turbine Start | Turbine End | | | Turbine Start | |
|----------|-------------|---------------|-------------|-----------|-------------|---------------|-------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 9 | 6.14 | 11.06 | | 7 | 0.00 | 24.00 |
| | 9 | 18.07 | 22.06 | | 8 | 17.16 | 23.10 |
| | 10 | 6.14 | 11.06 | | 9 | 17.16 | 22.11 |
| | 10 | 18.07 | 22.06 | | 10 | 8.07 | 22.11 |
| | 11 | NA | NA | | 11 | 17.16 | 22.11 |
| | | | | | | | |
| 4/4/2009 | 1 | 7.05 | 11.12 | 5/10/2009 | 1 | 19.48 | 24.00 |
| | 1 | 16.07 | 22.24 | | 2 | 19.48 | 23.04 |
| | 2 | 0.00 | 24.00 | | 3 | 19.48 | 24.00 |
| | 3 | 7.05 | 11.12 | | 4 | 8.44 | 23.04 |
| | 3 | 16.07 | 24.00 | | 5 | 0.00 | 24.00 |
| | 4 | 7.05 | 24.00 | | 6 | 8.44 | 23.04 |
| | 5 | 7.05 | 11.12 | | 7 | 0.00 | 24.00 |
| | 5 | 16.07 | 24.00 | | 8 | 11.26 | 24.00 |
| | 6 | 7.05 | 24.00 | | 9 | 11.26 | 23.04 |
| | 7 | 0.00 | 24.00 | | 10 | 8.44 | 23.04 |
| | 8 | 7.05 | 11.12 | | 11 | 19.48 | 23.04 |
| | 8 | 16.07 | 22.24 | | | | |
| | 9 | 7.05 | 22.24 | 5/11/2009 | 1 | 0.00 | 0.03 |
| | 10 | 16.07 | 22.24 | 0/11/2000 | 2 | NA | NA |
| | 11 | 16.07 | 22.24 | | 3 | 0.00 | 0.03 |
| | 11 | 10.07 | 22.24 | | 3 | 7.15 | 21.25 |
| 4/5/2009 |) 1 | 10.29 | 24.00 | | 4 | 5.13 | 5.28 |
| 4/3/2008 | 2 | 0.00 | 24.00 | | 4 | 6.05 | |
| | | | | | | | 21.25 |
| | 3 | 0.00 | 0.03 | | 5 | 0.00 | 24.00 |
| | 3 | 10.29 | 24.00 | | 6 | 6.05 | 21.25 |
| | 4 | 0.00 | 0.03 | | 7 | 0.00 | 24.00 |
| | 4 | 7.58 | 24.00 | | 8 | 0.00 | 0.03 |
| | 5 | 0.00 | 0.03 | | 8 | 7.15 | 21.25 |
| | 5 | 10.29 | 24.00 | | 9 | 7.15 | 21.25 |
| | 6 | 0.00 | 0.03 | | 10 | 6.05 | 21.25 |
| | 6 | 7.58 | 24.00 | | 11 | 7.15 | 21.25 |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 10.29 | 24.00 | 5/12/2009 | 1 | NA | NA |
| | 9 | 7.58 | 24.00 | | 2 | NA | NA |
| | 10 | 7.58 | 24.00 | | 3 | 7.56 | 22.01 |
| | 11 | 10.29 | 24.00 | | 4 | 7.12 | 22.07 |
| | | | | | 5 | 0.00 | 5.45 |
| 4/6/2009 | 1 | 0.00 | 0.03 | | 5 | 7.12 | 24.00 |
| | 1 | 6.22 | 24.00 | | 6 | 5.33 | 22.07 |
| | 2 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 3 | 0.00 | 24.00 | | 8 | 7.56 | 22.01 |
| | 4 | 0.00 | 24.00 | | 9 | 7.56 | 22.07 |
| | 5 | 0.00 | 0.03 | | 10 | 7.12 | 22.01 |
| | 5 | 6.22 | 24.00 | | 11 | 7.56 | 22.01 |
| | 6 | 0.00 | 0.03 | | | | |
| | 6 | 6.22 | 24.00 | 5/13/2009 | 1 | NA | NA |
| | 7 | 0.00 | 24.00 | | 2 | NA | NA |
| | 8 | 0.00 | 11.09 | | 3 | NA | NA |
| | 8 | 11.25 | 24.00 | | 4 | 6.15 | 23.00 |
| | 9 | 0.00 | 0.03 | | 5 | 0.00 | 24.00 |
| | 9 | 6.22 | 24.00 | | 6 | 6.15 | 23.00 |

| | | Turbine Start | | | | Turbine Start | |
|----------|-------------|---------------|-------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 0.00 | 0.03 | | 7 | 0.00 | 24.00 |
| | 10 | 6.22 | 11.09 | | 8 | 8.10 | 18.03 |
| | 10 | 11.25 | 24.00 | | 9 | 6.15 | 18.03 |
| | 11 | 0.00 | 0.03 | | 10 | NA | NA |
| | 11 | 6.22 | 11.09 | | 11 | 8.15 | 18.03 |
| | 11 | 11.25 | 24.00 | | | | |
| | | | | 5/14/2009 | 1 | NA | NA |
| 4/7/2009 | 1 | 0.00 | 0.06 | | 2 | NA | NA |
| | 1 | 5.10 | 24.00 | | 3 | NA | NA |
| | 2 | 0.00 | 24.00 | | 4 | 6.15 | 22.33 |
| | 3 | 0.00 | 24.00 | | 5 | 0.00 | 2.02 |
| | 4 | 0.00 | 24.00 | | 5 | 3.07 | 4.33 |
| | 5 | 0.00 | 0.06 | | 5 | 6.15 | 24.00 |
| | 5 | 5.10 | 24.00 | | 6 | 6.15 | 22.33 |
| | 6 | 0.00 | 0.06 | | 7 | 0.00 | 2.02 |
| | 6 | 5.10 | 24.00 | | 7 | 3.07 | 4.33 |
| | 7 | 0.00 | 24.00 | | 7 | 6.15 | 24.00 |
| | 8 | 0.00 | 24.00 | | 8 | 8.13 | 20.28 |
| | 9 | 0.00 | 0.06 | | 9 | 2.02 | 3.07 |
| | 9 | 5.10 | 24.00 | | 9 | 8.13 | 20.28 |
| | 10 | 0.00 | 0.06 | | 10 | 4.33 | 20.28 |
| | 10 | 5.10 | 24.00 | | 11 | NA | NA |
| | 11 | 0.00 | 0.06 | | - 11 | 14/3 | IVA |
| | 11 | 5.10 | 24.00 | 5/15/2009 | 1 | NA | NA |
| | 11 | 5.10 | 24.00 | 3/13/2009 | 2 | NA NA | NA NA |
| 4/0/2000 | 1 | 0.00 | 24.00 | | | | |
| 4/8/2009 | | 0.00 | 24.00 | | 3 | NA 4.00 | NA 24.00 |
| | 2 | 0.00 | 24.00 | | 4 | 4.02 | 24.00 |
| | 3 | 0.00 | 24.00 | | 5 | 0.00 | 1.05 |
| | 4 | 0.00 | 24.00 | | 5 | 4.02 | 24.00 |
| | 5 | 0.00 | 0.08 | | 6 | 7.07 | 24.00 |
| | 5 | 8.58 | 24.00 | | 7 | 0.00 | 1.05 |
| | 6 | 0.00 | 24.00 | | 7 | 7.07 | 24.00 |
| | 7 | 0.00 | 23.15 | | 8 | 2.26 | 4.02 |
| | 8 | 0.00 | 23.15 | | 8 | 8.15 | 20.01 |
| | 9 | 0.00 | 24.00 | | 8 | 21.52 | 23.03 |
| | 10 | 0.00 | 0.08 | | 9 | | 23.03 |
| | 10 | 8.58 | 23.15 | | 10 | | 7.10 |
| | 11 | 0.00 | 23.15 | | 10 | 8.15 | 20.01 |
| | | | | | 10 | 21.52 | 23.03 |
| 4/9/2009 | | 0.00 | 0.09 | | 11 | 1.05 | 2.26 |
| | 2 | 5.19 | 23.10 | | | | |
| | 3 | 0.00 | 24.00 | 5/16/2009 | 1 | 1.40 | 24.00 |
| | 4 | 0.00 | 0.09 | | 2 | NA | NA |
| | 4 | 5.19 | 23.10 | | 3 | 0.17 | 1.40 |
| | 5 | 0.00 | 23.10 | | 3 | 22.26 | 24.00 |
| | 6 | 0.00 | 0.09 | | 4 | 0.00 | 0.02 |
| | 6 | 5.19 | 21.57 | | 4 | 22.26 | 24.00 |
| | 7 | 5.19 | 24.00 | | 5 | 0.00 | 24.00 |
| | 8 | 6.45 | 23.10 | | 6 | 0.00 | 0.02 |
| | 9 | 0.00 | 0.09 | | 6 | 7.37 | 24.00 |
| | 9 | 6.45 | 21.57 | | 7 | 0.00 | 0.17 |
| | 10 | 6.45 | 21.57 | | 7 | 7.37 | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 11 | 6.52 | 21.57 | | 8 | NA | NA |
| | | | | | 9 | 7.37 | 24.00 |
| 4/10/2009 | 1 | 8.10 | 24.00 | | 10 | 13.30 | 24.00 |
| | 2 | 0.00 | 24.00 | | 11 | NA | NA |
| | 3 | 7.10 | 24.00 | | | | |
| | 4 | 7.10 | 23.05 | 5/17/2009 | 1 | 0.00 | 0.02 |
| | 5 | 7.10 | 23.05 | | 1 | 16.21 | 22.00 |
| | 6 | 7.10 | 23.05 | | 2 | 16.21 | 22.00 |
| | 7 | 0.00 | 24.00 | | 3 | 0.00 | 22.00 |
| | 8 | 8.10 | 24.00 | | 4 | 0.00 | 0.02 |
| | 9 | 8.10 | 24.00 | | 4 | 16.21 | 22.00 |
| | 10 | 8.10 | 23.05 | | 5 | 0.00 | 24.00 |
| | 11 | 7.10 | 23.05 | | 6 | 0.00 | 0.02 |
| | | | | | 6 | 13.06 | 23.03 |
| 4/11/2009 | 1 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 2 | 0.00 | 24.00 | | 8 | 16.21 | 22.00 |
| | 3 | 0.00 | 0.07 | | 9 | 0.00 | 0.02 |
| | 3 | 6.09 | 24.00 | | 9 | 13.06 | 23.03 |
| | 4 | 7.08 | 24.00 | | 10 | 0.00 | 0.02 |
| | 5 | 7.08 | 24.00 | | 10 | 13.06 | 23.03 |
| | 6 | 7.08 | 23.24 | | 11 | 16.21 | 22.00 |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 0.00 | 0.07 | 5/18/2009 | 1 | 10.06 | 15.17 |
| | 8 | 6.09 | 23.24 | | 1 | 18.14 | 23.02 |
| | 9 | 0.00 | 0.07 | | 2 | 10.06 | 15.17 |
| | 9 | 7.08 | 12.03 | | 2 | 18.14 | 24.00 |
| | 9 | 16.09 | 24.00 | | 3 | 9.02 | 24.00 |
| | 10 | 7.08 | 12.03 | | 4 | 10.06 | 15.17 |
| | 10 | 16.09 | 23.24 | | 4 | 18.14 | 24.00 |
| | 11 | 6.09 | 12.03 | | 5 | 0.00 | 24.00 |
| | 11 | 16.09 | 23.24 | | 6 | 9.02 | 24.00 |
| | | 70.00 | | | 7 | 0.00 | 24.00 |
| 4/12/2009 | 1 | 0.00 | 0.09 | | 8 | 10.06 | 15.17 |
| .,,_ | 1 | 12.03 | 22.03 | | 8 | | 23.02 |
| | 2 | 0.00 | 24.00 | | 9 | | 15.17 |
| | 3 | 0.00 | 0.09 | | 9 | | 23.02 |
| | 3 | 12.03 | 24.00 | | 10 | | 15.17 |
| | 4 | 0.00 | 0.09 | | 10 | | 23.02 |
| | 4 | 12.03 | 24.00 | | 11 | 10.06 | 23.02 |
| | 5 | 0.00 | 0.09 | | | 10.00 | 20.02 |
| | 5 | 12.03 | 22.03 | 5/19/2009 | 1 | 10.21 | 23.49 |
| | 6 | 12.03 | 22.03 | 3/13/2009 | 2 | | 23.49 |
| | 7 | 0.00 | 24.00 | | 3 | | 24.00 |
| | 8 | 12.03 | 24.00 | | 4 | | 23.49 |
| | 9 | 0.00 | 0.09 | | 5 | | 24.00 |
| | 9 | 18.06 | 22.03 | | 6 | | 24.00 |
| | | | | | | | |
| | 10 | 18.06 | 22.03 | | 7 | | 24.00 |
| | 11 | 18.06 | 22.03 | | 8 | | 23.49 |
| 4/40/000 | | F 40 | 44.00 | | 9 | | 23.49 |
| 4/13/2009 | 1 | 5.10 | 11.09 | | 10 | | 23.49 |
| | 1 | 17.02 | 24.00 | | 11 | 10.21 | 23.49 |
| | 2 | 0.00 | 24.00 | | | | |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|---------------|-----------|-------------|----------------------|---------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 3 | 0.00 | 0.02 | 5/20/2009 | 1 | 7.07 | 23.00 |
| | 3 | 5.10 | 24.00 | | 2 | 7.07 | 23.00 |
| | 4 | 0.00 | 0.02 | | 3 | 0.00 | 24.00 |
| | 4 | 6.20 | 24.00 | | 4 | 7.07 | 24.00 |
| | 5 | 6.30 | 11.09 | | 5 | 0.00 | 24.00 |
| | 5 | 17.12 | 24.00 | | 6 | 0.00 | 23.00 |
| | 6 | 6.20 | 11.09 | | 7 | 0.00 | 24.00 |
| | 6 | 17.02 | 22.00 | | 8 | 7.07 | 24.00 |
| | 7 | 0.00 | 24.00 | | 9 | 7.07 | 23.00 |
| | 8 | 0.00 | 0.02 | | 10 | 7.07 | 23.00 |
| | 8 | 6.20 | 11.09 | | 11 | 7.07 | 23.00 |
| | 8 | 17.02 | 22.00 | | | | |
| | 9 | 6.20 | 11.09 | 5/21/2009 | 1 | 13.27 | 21.12 |
| | 9 | 17.02 | 22.00 | 5,2,7200 | 2 | 13.27 | 21.12 |
| | 10 | 6.20 | 11.09 | | 3 | 0.00 | 0.02 |
| | 10 | 17.02 | 22.00 | | 4 | 13.27 | 24.00 |
| | 11 | 6.20 | 11.09 | | 4 | 0.00 | 0.02 |
| | 11 | 17.02 | 22.00 | | 4 | 8.08 | 24.00 |
| | | 17.02 | 22.00 | | 5 | 0.00 | 24.00 |
| 4/14/2009 | 1 | 0.00 | 0.02 | | 6 | 8.08 | 21.12 |
| 4/14/2003 | 1 | 6.09 | 11.20 | | 7 | 0.00 | 24.00 |
| | 1 | 16.20 | 23.03 | | 8 | 0.00 | 0.02 |
| | 2 | 0.00 | 11.20 | | 8 | 13.27 | 24.00 |
| | 2 | 16.20 | 21.54 | | 9 | 8.08 | 21.12 |
| | 3 | 0.00 | 0.02 | | 10 | 8.08 | 21.12 |
| | 3 | 5.08 | 23.03 | | 11 | 13.27 | 21.12 |
| | 4 | 0.00 | 0.02 | | 11 | 13.21 | 21.12 |
| | 4 | 6.09 | 11.20 | 5/22/2009 | 1 | 9.09 | 16.01 |
| | 4 | 16.20 | 21.54 | 5/22/2009 | 2 | 9.09 | 24.00 |
| | <u> </u> | | | | 3 | | |
| | 5 | 0.00 6.09 | 0.02 24.00 | | 3 | 0.00 8.09 | 0.14 24.00 |
| | | | 21.54 | | 4 | | |
| | 6 | 5.08 | | | | 0.00 | 0.14 |
| | 7 | 0.00 | 24.00 | | 4 | 8.09 | 24.00 |
| | 8 | 6.09 | 11.20 | | 5 | | 24.00 |
| | 8 | 16.20 | 21.54 | | 6 | 9.09 | 24.00 |
| | 9 | 6.09 | 11.20 | | 7 | 0.00 | 24.00 |
| | 9 | 16.20 | 21.54 | | 8 | 0.00 | 0.14 |
| | 10 | 6.09 | 11.20 | | | 9.09 | 16.01 |
| | 10 | 16.20 | 21.54 | | 10 | 9.09 | 16.01 |
| | 11 | 6.09 | 11.20 | | 11 | 9.09 | 16.01 |
| | 11 | 16.20 | 21.54 | E/00/0000 | | 44.04 | 00.00 |
| 4/45/0000 | 4 | 6.40 | 40.40 | 5/23/2009 | 1 | 11.04 | 23.00 |
| 4/15/2009 | | 6.13 | 12.18 | | 2 | 0.00 | 0.10 |
| | 1 | 17.17 | 23.03 | | 2 | 11.04 | 23.00 |
| | 2 | 6.13 | 11.17 | | 3 | 0.00 | 0.10 |
| | 2 | 17.17 | 24.00 | | 3 | 11.04 | 23.00 |
| | 3 | 5.10 | 11.17 | | 4 | 0.00 | 0.10 |
| | 3 | 16.21 | 23.02 | | 4 | 11.04 | 23.00 |
| | 4 | 6.13 | 11.17 | | 5 | 0.00 | 24.00 |
| | 4 | 16.21 | 23.02 | | 6 | 0.00 | 0.10 |
| | 5 | 0.00 | 23.02 | | 6 | 11.04 | 23.00 |
| | 6 | 5.10 | 12.18 | | 7 | 0.00 | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 6 | 17.17 | 22.02 | | 8 | | 23.00 |
| | 7 | 0.00 | 24.00 | | 9 | NA | NA |
| | 8 | 6.13 | 11.17 | | 10 | NA | NA |
| | 8 | 17.17 | 22.02 | | 11 | NA | NA |
| | 9 | 6.13 | 11.17 | | | | |
| | 9 | 17.17 | 22.02 | 5/24/2009 | 1 | NA | NA |
| | 10 | 6.13 | 11.17 | | 2 | NA | NA |
| | 10 | 17.17 | 22.02 | | 3 | 11.07 | 24.00 |
| | 11 | 6.13 | 11.17 | | 4 | 11.07 | 24.00 |
| | 11 | 17.17 | 22.02 | | 5 | 0.00 | 24.00 |
| | | | | | 6 | NA | NA |
| 4/16/2009 | 1 | 6.08 | 11.21 | | 7 | 0.00 | 24.00 |
| | 1 | 17.11 | 22.14 | | 8 | 11.07 | 24.00 |
| | 2 | 0.00 | 24.00 | | 9 | 11.07 | 24.00 |
| | 3 | 5.08 | 22.14 | | 10 | NA | NA |
| | 4 | 6.08 | 22.14 | | 11 | NA | NA |
| | 5 | 5.08 | 11.21 | | | | |
| | 5 | 17.11 | 22.14 | 5/25/2009 | 1 | NA | NA |
| | 6 | 6.08 | 11.21 | | 2 | 18.09 | 22.05 |
| | 6 | 17.11 | 22.14 | | 3 | 0.00 | 0.07 |
| | 7 | 0.00 | 24.00 | | 3 | | 22.05 |
| | 8 | 5.08 | 22.14 | | 4 | | 0.07 |
| | 9 | 6.08 | 11.21 | | 4 | | 23.16 |
| | 9 | 17.11 | 22.14 | | 5 | | 24.00 |
| | 10 | 6.08 | 11.21 | | 6 | | 23.16 |
| | 10 | 17.11 | 22.14 | | 7 | 0.00 | 24.00 |
| | 11 | 6.08 | 11.21 | | 8 | 0.00 | 0.07 |
| | | | | | | | |
| | 11 | 17.11 | 22.14 | | 8 | | 22.05 |
| 4/47/0000 | | | 00.07 | | 9 | | 0.07 |
| 4/17/2009 | 1 | 5.05 | 22.37 | | 9 | | 22.05 |
| | 2 | 0.00 | 24.00 | | 10 | | 23.16 |
| | 3 | 5.05 | 12.00 | | 11 | NA | NA |
| | 3 | 17.11 | 22.37 | | | | |
| | 4 | 5.05 | 12.00 | 5/26/2009 | 1 | | NA |
| | 4 | 17.11 | 22.37 | | 2 | | NA |
| | 5 | 5.05 | 12.00 | | 3 | | NA |
| | 5 | 17.11 | 22.37 | | 4 | | 24.00 |
| | 6 | 5.54 | 22.37 | | 5 | | 24.00 |
| | 7 | 0.00 | 24.00 | | 6 | | 24.00 |
| | 8 | 5.54 | 12.00 | | 7 | | 24.00 |
| | 8 | 17.11 | 22.37 | | 8 | | NA |
| | 9 | 5.54 | 12.00 | | 9 | 10.07 | 24.00 |
| | 9 | 17.11 | 22.37 | | 10 | 10.07 | 24.00 |
| | 10 | 5.54 | 12.00 | | 11 | NA | NA |
| | 10 | 17.11 | 22.37 | | | | |
| | 11 | 5.54 | 12.00 | 5/27/2009 | 1 | NA | NA |
| | 11 | 17.11 | 22.37 | | 2 | NA | NA |
| | | | | | 3 | NA | NA |
| 4/18/2009 | 1 | 7.26 | 12.09 | | 4 | | 24.00 |
| | 1 | 16.15 | 23.57 | | 5 | | 22.03 |
| | 2 | 0.00 | 22.58 | | 6 | | 22.03 |
| | 3 | 6.16 | 12.09 | | 7 | | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 3 | 16.15 | 22.58 | | 8 | NA | NA |
| | 4 | 6.16 | 12.09 | | 9 | 10.06 | 22.03 |
| | 4 | 16.15 | 22.58 | | 10 | NA | NA |
| | 5 | 7.26 | 12.09 | | 11 | NA | NA |
| | 5 | 16.15 | 24.00 | | | | |
| | 6 | 7.26 | 11.03 | 5/28/2009 | 1 | NA | NA |
| | 6 | 17.11 | 23.57 | | 2 | NA | NA |
| | 7 | 0.00 | 24.00 | | 3 | NA | NA |
| | 8 | 6.16 | 11.03 | | 4 | 0.00 | 24.00 |
| | 8 | 17.11 | 22.58 | | 5 | 10.08 | 23.02 |
| | 9 | 7.26 | 11.03 | | 6 | 10.08 | 23.02 |
| | 9 | 17.11 | 22.58 | | 7 | 0.00 | 24.00 |
| | 10 | 7.26 | 11.03 | | 8 | 10.08 | 10.10 |
| | 10 | 17.11 | 22.58 | | 9 | 10.08 | 23.02 |
| | 11 | 7.26 | 11.03 | | 10 | 10.08 | 23.02 |
| | 11 | 17.11 | 22.58 | | 11 | NA | NA |
| | | | | | | | |
| 4/19/2009 | 1 | 16.10 | 22.15 | 5/29/2009 | 1 | NA | NA |
| | 2 | 16.10 | 22.56 | | 2 | NA | NA |
| | 3 | 16.10 | 22.56 | | 3 | 11.22 | 24.00 |
| | 4 | 16.10 | 22.56 | | 4 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 5 | 10.19 | 24.00 |
| | 6 | 16.10 | 22.56 | | 6 | 10.19 | 24.00 |
| | 7 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 8 | 17.02 | 22.15 | | 8 | 11.22 | 24.00 |
| | 9 | 17.02 | 22.15 | | 9 | 11.22 | 24.00 |
| | 10 | 17.02 | 22.15 | | 10 | 11.22 | 24.00 |
| | 11 | 17.02 | 22.15 | | 11 | 11.22 | 24.00 |
| | | | | | | | 200 |
| 4/20/2009 | 1 | 6.08 | 24.00 | 5/30/2009 | 1 | 9.12 | 18.03 |
| 1/20/2000 | 2 | 5.08 | 24.00 | 0/00/2000 | 2 | 9.12 | 24.00 |
| | 3 | 5.08 | 24.00 | | 3 | 0.00 | 0.02 |
| | 4 | 5.08 | 24.00 | | 3 | 9.12 | 24.00 |
| | 5 | | 24.00 | | 4 | 0.00 | 3.59 |
| | 6 | 5.08 | 11.02 | | 4 | 5.16 | 24.00 |
| | 6 | 17.23 | 22.00 | | 5 | | 24.00 |
| | 7 | 0.00 | 24.00 | | 6 | 0.00 | 3.59 |
| | 8 | 6.08 | 11.02 | | 6 | 5.16 | 24.00 |
| | 8 | 17.23 | 22.00 | | 7 | 0.00 | 24.00 |
| | 9 | | 11.02 | | 8 | 0.00 | 0.02 |
| | 9 | 6.08 17.23 | 22.00 | | 8 | 9.12 | 24.00 |
| | 10 | | 11.02 | | 9 | | 0.02 |
| | | 6.08 | | | 9 | 0.00 | |
| | 10 | 17.23 | 22.00 | | | 5.16 | 24.00 |
| | 11 | 6.08 | 11.02 | | 10 | 0.00 | 0.02 |
| | 11 | 17.23 | 22.00 | | 10 | 9.12 | 24.00 |
| 4/04/0000 | 4 | 0.00 | 0.00 | | 11 | 0.00 | 3.59 |
| 4/21/2009 | | 0.00 | 0.02 | | 11 | 9.12 | 18.03 |
| | 1 | 6.11 | 23.03 | E 10.1 10.000 | | 40.00 | 04.00 |
| | 2 | 0.00 | 0.02 | 5/31/2009 | 1 | 10.06 | 24.00 |
| | 2 | 6.11 | 12.06 | | 2 | 10.06 | 24.00 |
| | 2 | 17.25 | 24.00 | | 3 | 10.06 | 24.00 |
| | 3 | 0.00 | 0.02 | | 4 | 0.00 | 5.46 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 3 | 5.03 | 12.06 | | 4 | 8.28 | 24.00 |
| | 3 | 17.25 | 23.03 | | 5 | 0.00 | 24.00 |
| | 4 | 0.00 | 0.02 | | 6 | 0.00 | 5.46 |
| | 4 | 5.03 | 12.06 | | 6 | 8.28 | 24.00 |
| | 4 | 17.25 | 23.03 | | 7 | 0.00 | 24.00 |
| | 5 | 0.00 | 23.03 | | 8 | 10.06 | 24.00 |
| | 6 | 6.11 | 11.08 | | 9 | 10.06 | 24.00 |
| | 6 | 17.25 | 23.03 | | 10 | 10.06 | 24.00 |
| | 7 | 0.00 | 24.00 | | 11 | 10.06 | 24.00 |
| | 8 | 6.11 | 11.08 | | | 10.00 | 24.00 |
| | 8 | 18.10 | 22.03 | 6/1/2009 | 1 | 10.15 | 24.00 |
| | 9 | 6.11 | 11.08 | 0/1/2009 | 2 | 10.15 | 24.00 |
| | 9 | 18.10 | 22.03 | | 3 | 10.15 | 24.00 |
| | | | | | 4 | | |
| | 10 | 6.11 | 11.08 | | | 0.00 | 24.00 |
| | 10 | 18.10 | 22.03 | | 5 | 0.00 | 24.00 |
| | 11 | 6.11 | 11.08 | | 6 | 0.00 | 24.00 |
| | 11 | 18.10 | 22.03 | | 7 | 0.00 | 24.00 |
| | | | | | 8 | 10.15 | 21.07 |
| 4/22/2009 | 1 | 5.10 | 12.15 | | 9 | 10.15 | 21.07 |
| | 1 | 18.38 | 22.04 | | 10 | 10.15 | 21.07 |
| | 2 | 0.00 | 12.15 | | 11 | 10.15 | 21.07 |
| | 2 | 18.38 | 24.00 | | | | |
| | 3 | 5.10 | 12.15 | 6/2/2009 | 1 | 11.38 | 23.11 |
| | 3 | 18.38 | 22.04 | | 2 | 0.00 | 24.00 |
| | 4 | 6.00 | 23.03 | | 3 | 10.10 | 24.00 |
| | 5 | 6.00 | 22.04 | | 4 | 10.10 | 24.00 |
| | 6 | 6.00 | 23.03 | | 5 | 11.38 | 24.00 |
| | 7 | 0.00 | 24.00 | | 6 | 11.38 | 24.00 |
| | 8 | 6.00 | 23.03 | | 7 | 10.10 | 24.00 |
| | 9 | 6.00 | 12.15 | | 8 | 10.10 | 23.11 |
| | 9 | 18.38 | 22.04 | | 9 | 11.38 | 23.11 |
| | 10 | 6.00 | 12.15 | | 10 | 11.38 | 23.11 |
| | 10 | 18.38 | 22.04 | | 11 | 11.38 | 23.11 |
| | 11 | 6.00 | 12.15 | | | | |
| | 11 | 18.38 | 22.04 | 6/3/2009 | 1 | 11.15 | 23.05 |
| | | | | | 2 | 0.00 | 24.00 |
| 4/23/2009 | 1 | 5.10 | 11.07 | | 3 | 0.00 | 0.10 |
| | 1 | 17.11 | 22.05 | | 3 | | 23.05 |
| | 2 | 0.00 | 11.07 | | 4 | | 0.10 |
| | 2 | 17.11 | 24.00 | | 4 | | 22.18 |
| | 3 | 5.10 | 11.07 | | 5 | | 0.10 |
| | 3 | 17.11 | 23.53 | | 5 | | 23.05 |
| | 4 | 5.10 | 12.05 | | 6 | | 0.10 |
| | 4 | 16.11 | 23.53 | | 6 | | 22.18 |
| | 5 | 5.10 | 23.53 | | 7 | 0.00 | 0.10 |
| | 6 | 6.08 | 23.53 | | 7 | 10.08 | 22.18 |
| | | | | | 8 | | |
| | 7 | 0.00 | 24.00 | | 9 | | 23.05 |
| | 8 | 6.08 | 12.05 | | | | 22.18 |
| | 8 | 16.11 | 22.05 | | 10 | | NA |
| | 9 | 6.08 | 12.05 | | 11 | NA | NA |
| | 9 | 16.11 | 23.53 | | | | |
| | 10 | 6.08 | 11.07 | 6/4/2009 | 1 | 11.00 | 24.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 17.11 | 22.05 | | 2 | 0.00 | 24.00 |
| | 11 | 6.08 | 11.07 | | 3 | 9.04 | 24.00 |
| | 11 | 17.11 | 22.05 | | 4 | 9.04 | 24.00 |
| | | | | | 5 | 11.00 | 24.00 |
| 4/24/2009 | 1 | 6.13 | 23.05 | | 6 | NA | NA |
| | 2 | 0.00 | 10.58 | | 7 | 9.04 | 24.00 |
| | 2 | 18.20 | 23.05 | | 8 | 9.04 | 23.20 |
| | 3 | 5.08 | 10.58 | | 9 | 11.00 | 23.20 |
| | 3 | 18.20 | 23.05 | | 10 | 11.00 | 23.20 |
| | 4 | 5.08 | 10.58 | | 11 | NA | NA |
| | 4 | 18.20 | 23.05 | | | | |
| | 5 | 5.08 | 24.00 | 6/5/2009 | 1 | 0.00 | 0.05 |
| | 6 | 5.08 | 22.04 | 0.0.200 | 2 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 3 | 0.00 | 0.05 |
| | 8 | 6.13 | 10.58 | | 3 | | 24.00 |
| | 8 | 18.20 | 22.04 | | 4 | 0.00 | 0.05 |
| | 9 | 6.13 | 10.58 | | 4 | 11.10 | 24.00 |
| | 9 | 18.20 | 22.04 | | 5 | 0.00 | 0.05 |
| | 10 | 6.13 | 10.58 | | 5 | 11.10 | 20.00 |
| | | | | | 6 | | |
| | 10 | 18.20 | 22.04 | | 7 | 11.10 | 24.00 |
| | 11 | 6.13 | 10.58 | | | 0.00 | 0.05 |
| | 11 | 18.20 | 22.04 | | 7 | 11.10 | 20.00 |
| 1/05/0000 | | 40.05 | 0.4.00 | | 8 | 11.10 | 24.00 |
| 4/25/2009 | 1 | 13.05 | 24.00 | | 9 | 11.10 | 20.00 |
| | 2 | 13.05 | 24.00 | | 10 | NA | NA |
| | 3 | 13.05 | 24.00 | | 11 | NA | NA |
| | 4 | 13.05 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | 6/6/2009 | 1 | 11.08 | 24.00 |
| | 6 | 13.05 | 24.00 | | 2 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 3 | 0.00 | 0.14 |
| | 8 | 13.05 | 24.00 | | 3 | 10.15 | 24.00 |
| | 9 | 14.06 | 23.00 | | 4 | 0.00 | 0.14 |
| | 10 | 14.06 | 23.00 | | 4 | 10.15 | 24.00 |
| | 11 | 14.06 | 23.00 | | 5 | 11.08 | 24.00 |
| | | | | | 6 | 0.00 | 0.14 |
| 4/26/2009 | 1 | 14.09 | 22.00 | | 6 | 11.08 | 24.00 |
| | 2 | 14.09 | 23.03 | | 7 | 10.15 | 24.00 |
| | 3 | 13.29 | 23.03 | | 8 | 0.00 | 0.14 |
| | 4 | 13.29 | 23.03 | | 8 | 11.08 | 24.00 |
| | 5 | 0.00 | 24.00 | | 9 | 11.08 | 24.00 |
| | 6 | 14.09 | 23.03 | | 10 | NA | NA |
| | 7 | 0.00 | 24.00 | | 11 | NA | NA |
| | 8 | 13.29 | 22.00 | | | | |
| | 9 | 14.09 | 22.00 | | | | |
| | 10 | 14.09 | 22.00 | | | | |
| | 11 | 14.09 | 22.00 | | | | |
| 4/27/2009 | 1 | 12.27 | 21.26 | | | | |
| | 2 | 12.27 | 21.26 | | | | |
| | 3 | 11.18 | 22.01 | | | | |
| | 4 | 12.27 | 22.01 | | | | |
| | 5 | 0.00 | 24.00 | | | | |

| | | Turbine Start | | | | Turbine Start | |
|-----------|-------------|---------------|----------|------|-------------|---------------|------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 6 | 11.18 | 21.26 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 12.27 | 22.01 | | | | |
| | 9 | 12.27 | 21.26 | | | | |
| | 10 | 12.27 | 21.26 | | | | |
| | 11 | 11.18 | 21.26 | | | | |
| | | | | | | | |
| 4/28/2009 | | 12.27 | 21.26 | | | | |
| | 2 | 12.27 | 21.26 | | | | |
| | 3 | 11.18 | 22.01 | | | | |
| | 4 | 12.27 | 22.01 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 11.18 | 21.26 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 12.27 | 22.01 | | | | |
| | 9 | 12.27 | 21.26 | | | | |
| | 10 | 12.27 | 21.26 | | | | |
| | 11 | 11.18 | 21.26 | | | | |
| | | | | | | | |
| 4/29/2009 | 1 | 14.28 | 22.03 | | | | |
| | 2 | 14.28 | 22.03 | | | | |
| | 3 | 14.28 | 22.03 | | | | |
| | 4 | 6.09 | 23.02 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 6.09 | 24.00 | | | | |
| | 7 | 0.00 | 23.02 | | | | |
| | 8 | 14.28 | 22.03 | | | | |
| | 9 | 14.28 | 22.03 | | | | |
| | 10 | 6.09 | 22.03 | | | | |
| | 11 | 14.28 | 22.03 | | | | |
| | | | | | | | |
| 4/29/2009 | 1 | NA | NA | | | | |
| | 2 | 13.13 | 13.27 | | | | |
| | 2 | | 23.01 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | 23.10 | 24.00 | | | | |
| | 5 | 0.00 | 23.10 | | | | |
| | 6 | 0.00 | 23.10 | | | | |
| | 7 | 23.10 | 24.00 | | | | |
| | 8 | 13.13 | 23.01 | | | | |
| | 9 | 14.18 | 22.12 | | | | |
| | 10 | 13.13 | 22.12 | | | | |
| | 11 | 14.18 | 22.12 | | | | |
| | | | | | | | |
| 4/30/2009 | 1 | 18.11 | 24.00 | | | | |
| | 2 | NA | NA | | | | |
| | 3 | 18.11 | 24.00 | | | | |
| | 4 | 0.00 | 24.00 | | | | |
| | 5 | NA | NA | | | | |
| | 6 | NA NA | NA NA | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 7.49 | 11.31 | 1 | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End |
|-----------|-------------|-----------------------|---------------------|------|-------------|-----------------------|-------------|
| | 8 | 17.33 | 22.02 | | | _ | - |
| | 9 | 7.49 | 11.31 | | | | |
| | 9 | 17.33 | 22.02 | | | | |
| | 10 | 7.49 | 11.31 | | | | |
| | 10 | 18.11 | 22.02 | | | | |
| | 11 | 18.11 | 22.02 | | | | |
| | | 10.11 | 22.02 | | | | |
| 5/1/2009 | 1 | NA | NA | | | | |
| 3/1/2003 | 2 | NA | NA | | | | |
| | 3 | 10.15 | 24.00 | | | | |
| | 4 | 0.00 | 22.02 | | | | |
| | 5 | NA | NA | | | | |
| | 6 | NA NA | NA NA | | | | |
| | 7 | 0.00 | | | | | |
| | | | 24.00 | | | | |
| | 8 | 9.23 | 22.02 | | | | |
| | 9 | 9.23 | 21.16 | | | | |
| | 10 | 10.15 | 21.16 | | | | |
| | 11 | 10.15 | 21.16 | | | | |
| | | | | | | | |
| 5/2/2009 | | NA | NA | | | | |
| | 2 | NA | NA | | | | |
| | 3 | 0.00 | 24.00 | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 13.07 | 24.00 | | | | |
| | 6 | 13.07 | 22.00 | | | | |
| | 7 | 0.00 | 22.00 | | | | |
| | 8 | NA | NA | | | | |
| | 9 | NA | NA | | | | |
| | 10 | 13.08 | 22.00 | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 5/3/2009 | 1 | NA | NA | | | | |
| | 2 | NA | NA | | | | |
| | 3 | 0.00 | 7.24 | | | | |
| | 4 | 17.00 | 23.06 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 17.00 | 23.06 | | | | |
| | 7 | 7.23 | 24.00 | | | | |
| | 8 | 18.03 | 23.06 | | | | |
| | 9 | 18.03 | 23.06 | | | | |
| | 10 | 17.00 | 23.06 | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 5/4/2009 | 1 | NA | NA | | | | |
| Ji-112003 | 2 | NA | NA | | | | |
| | 3 | 11.08 | 18.01 | | | | |
| | | | | | | | |
| | 3 4 | 19.13 | 24.00 | | | | |
| | | 19.13 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 11.08 | 18.01 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 20.22 | 23.03 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|----------|-------------|-----------------------|---------------------|------|-------------|-----------------------|---------------------|
| | 9 | 11.08 | 18.01 | | | | |
| | 9 | 20.22 | 23.03 | | | | |
| | 10 | 11.08 | 18.01 | | | | |
| | 10 | 20.22 | 23.03 | | | | |
| | 11 | NA | NA | | | | |
| 5/5/2009 | 1 | 11.07 | 22.05 | | | | |
| | 2 | 11.07 | 22.05 | | | | |
| | 3 | 10.05 | 23.05 | | | | |
| | 4 | 11.07 | 22.05 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 10.05 | 23.05 | | | | |
| | 7 | 0.00 | 24.00 | | | | |
| | 8 | 11.07 | 22.05 | | | | |
| | 9 | 11.07 | 22.05 | | | | |
| | 10 | 10.05 | 23.05 | | | | |
| | 11 | 11.07 | 22.05 | | | | |

| 4/1/2 | 010-6/30/2 | <u> </u> | | | | | |
|----------|-------------|-----------------------|---------------------|----------|-------------|-----------------------|--------------------|
| | | | | | | | |
| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine Er Time |
| 4/1/2010 | 1 | 0.00 | 24.00 | 7/1/2010 | 1 | NA | NA |
| | 2 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 3 | 0.00 | 24.00 | | 3 | 17.44 | 19.18 |
| | 4 | 0.00 | 24.00 | | 4 | 17.44 | 19.18 |
| | 5 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | NA | NA |
| | 7 | 0.00 | 24.00 | | 7 | NA NA | NA NA |
| | 8 | 0.00 | 24.00 | | 8 | NA NA | NA NA |
| | 9 | 0.00 | 24.00 | | 9 | NA NA | NA NA |
| | 10 | 0.00 | 24.00 | | 10 | NA NA | NA NA |
| | 11 | 0.00 | 24.00 | | 11 | NA NA | NA NA |
| | 11 | 0.00 | 24.00 | | 11 | INA | INA |
| 4/2/2010 | 1 | 0.00 | 24.00 | 7/2/2010 | 1 | NA | NA |
| 4/2/2010 | 2 | 0.00 | 24.00 | 1/2/2010 | 2 | 0.00 | 24.00 |
| | | | | | 3 | NA | 24.00 NA |
| | 3 | 0.00 | 24.00 | | | | |
| | 4 | 0.00 | 24.00 | | 4 | NA | NA |
| | 5 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | NA | NA |
| | 7 | 0.00 | 24.00 | | 7 | NA | NA |
| | 8 | 0.00 | 24.00 | | 8 | NA | NA |
| | 9 | 0.00 | 24.00 | | 9 | NA | NA |
| | 10 | 0.00 | 24.00 | | 10 | NA | NA |
| | 11 | 0.00 | 24.00 | | 11 | NA | NA |
| | | | | | | | |
| 4/3/2010 | 1 | 0.00 | 24.00 | 7/3/2010 | | NA | NA |
| | 2 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 3 | 0.00 | 24.00 | | 3 | NA | NA |
| | 4 | 0.00 | 24.00 | | 4 | NA | NA |
| | 5 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | 18.50 | 19.22 |
| | 7 | 0.00 | 24.00 | | 7 | NA | NA |
| | 8 | 0.00 | 24.00 | | 8 | NA | NA |
| | 9 | 0.00 | 24.00 | | 9 | NA | NA |
| | 10 | 0.00 | 24.00 | | 10 | NA | NA |
| | 11 | 0.00 | 24.00 | | 11 | NA | NA |
| | | | | | | | |
| 4/4/2010 | 1 | 0.00 | 24.00 | 7/4/2010 | 1 | NA | NA |
| | 2 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 3 | 0.00 | 24.00 | | 3 | 16.22 | 18.01 |
| | 4 | 0.00 | 24.00 | | 4 | | 18.01 |
| | 5 | 0.00 | 24.00 | | 5 | | 24.00 |
| | 6 | 0.00 | 24.00 | | 6 | | NA |
| | 7 | 0.00 | 24.00 | | 7 | | NA |
| | 8 | 0.00 | 24.00 | | 8 | | 17.45 |
| | 9 | 0.00 | 24.00 | | 9 | | NA |
| | 10 | 0.00 | 24.00 | | 10 | | NA NA |
| | 11 | 0.00 | 24.00 | | 11 | NA NA | NA NA |
| 4/5/2010 | 1 | 0.00 | 24.00 | 7/5/2010 | 1 | NA | NA |

| | | Turbine Start | | | | Turbine Start | |
|--------------|-------------|---------------|-------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 2 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 3 | 0.00 | 24.00 | | 3 | 19.23 | 22.44 |
| | 4 | 0.00 | 24.00 | | 4 | NA | NA |
| | 5 | 0.00 | 18.04 | | 5 | 0.00 | 24.00 |
| | 5 | 22.27 | 24.00 | | 6 | NA | NA |
| | 6 | 0.00 | 24.00 | | 7 | NA | NA |
| | 7 | 0.00 | 24.00 | | 8 | NA | NA |
| | 8 | 0.00 | 24.00 | | 9 | NA | NA |
| | 9 | 0.00 | 24.00 | | 10 | NA | NA |
| | 10 | 0.00 | 24.00 | | 11 | NA | NA |
| | 11 | 0.00 | 24.00 | | | | |
| | | | | 7/6/2010 | 1 | 16.15 | 17.10 |
| 4/6/2010 | 1 | 0.00 | 1.09 | 1,0,=0.10 | 2 | 0.00 | 24.00 |
| ., 0, 20 . 0 | 1 | 6.08 | 24.00 | | 3 | 16.15 | 18.14 |
| | 2 | 0.00 | 0.15 | | 4 | 16.15 | 17.35 |
| | 2 | 6.08 | 24.00 | | 5 | 0.00 | 24.00 |
| | 3 | 0.00 | 2.24 | | 6 | 16.15 | 17.35 |
| | 3 | 6.08 | 21.10 | | 7 | 16.15 | 18.14 |
| | 4 | 0.00 | 2.24 | | 8 | 16.15 | 17.13 |
| | 4 | 6.08 | 24.00 | | 9 | 16.15 | 17.13 |
| | | | | | - | | |
| | 5 | 0.00 | 1.09 | | 10 | NA 10.45 | NA 47.40 |
| | 5 | 6.08 | 24.00 | | 11 | 16.15 | 17.10 |
| | 6 | 0.00 | 24.00 | 7/7/0040 | | | . |
| | 7 | 0.00 | 24.00 | 7/7/2010 | 1 | NA | NA |
| | 8 | 0.00 | 2.24 | | 2 | 0.00 | 24.00 |
| | 8 | 6.08 | 24.00 | | 3 | NA | NA |
| | 9 | 0.00 | 2.24 | | 4 | NA | NA |
| | 9 | 6.08 | 24.00 | | 5 | 0.00 | 24.00 |
| | 10 | 0.00 | 1.09 | | 6 | 14.16 | 19.00 |
| | 10 | 8.58 | 24.00 | | 7 | 14.16 | 19.00 |
| | 11 | 0.00 | 2.24 | | 8 | 16.07 | 18.03 |
| | 11 | 6.08 | 24.00 | | 9 | 16.07 | 17.03 |
| | | | | | 10 | NA | NA |
| 4/7/2010 | 1 | 0.00 | 1.39 | | 11 | NA | NA |
| | 1 | 8.00 | 24.00 | | | | |
| | 2 | 0.00 | 1.39 | 7/8/2010 | 1 | NA | NA |
| | 2 | 8.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 3 | 13.08 | 24.00 | | 3 | NA | NA |
| | 4 | 0.00 | 1.53 | | 4 | NA | NA |
| | 4 | 8.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 5 | 0.00 | 1.53 | | 6 | | NA |
| | 5 | 13.08 | 24.00 | | 7 | | NA |
| | 6 | 0.00 | 24.00 | | 8 | | NA |
| | 7 | 0.00 | 24.00 | | 9 | | NA |
| | 8 | 0.00 | 1.39 | | 10 | NA | NA |
| | 8 | 8.00 | 24.00 | | 11 | | NA NA |
| | 9 | 0.00 | 1.39 | | 11 | 14/1 | 1471 |
| | 9 | 8.00 | 24.00 | 7/9/2010 | 1 | NA | NA |
| | 10 | 0.00 | 1.39 | 7/9/2010 | 2 | | 24.00 |
| | | 8.00 | | | 3 | | |
| | 10 | | 24.00 | | | | NA NA |
| | 11 | 0.00 | 1.53 | | 4 | | NA |
| | 11 | 8.00 | 24.00 | | 5 | 0.00 | 24.00 |

| _ | | Turbine Start | Turbine End | | | Turbine Start | |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | | | | | 6 | NA | NA |
| 4/8/2010 | 1 | 0.00 | 1.15 | | 7 | NA | NA |
| | 1 | 13.03 | 24.00 | | 8 | NA | NA |
| | 2 | 0.00 | 1.15 | | 9 | NA | NA |
| | 2 | 8.04 | 24.00 | | 10 | NA | NA |
| | 3 | 0.00 | 1.15 | | 11 | NA | NA |
| | 3 | 8.04 | 24.00 | | | | |
| | 4 | 0.00 | 1.15 | 7/10/2010 | 1 | NA | NA |
| | 4 | 8.04 | 24.00 | | 2 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 3 | NA | NA |
| | 6 | 0.00 | 24.00 | | 4 | NA | NA |
| | 7 | 0.00 | 24.00 | | 5 | 0.00 | 24.00 |
| | 8 | 0.00 | 1.15 | | 6 | NA | NA |
| | 8 | 8.04 | 24.00 | | 7 | NA | NA |
| | 9 | 0.00 | 1.15 | | 8 | NA | NA |
| | 9 | 8.04 | 24.00 | | 9 | NA | NA |
| | 10 | 0.00 | 0.02 | | 10 | NA | NA |
| | 10 | 13.03 | 24.00 | | 11 | NA | NA |
| | 11 | 0.00 | 1.15 | | | | |
| | 11 | 13.03 | 24.00 | 7/11/2010 | 1 | NA | NA |
| | | 10.00 | 24.00 | 7711/2010 | 2 | 0.00 | 24.00 |
| 4/9/2010 | 1 | 0.00 | 0.02 | | 3 | | NA |
| 4/3/2010 | 1 | 10.08 | 22.20 | | 4 | NA NA | NA |
| | 2 | 0.00 | 0.02 | | 5 | 0.00 | 24.00 |
| | 2 | 8.09 | 22.20 | | 6 | NA | 24.00 NA |
| | 3 | | | | 7 | NA NA | NA NA |
| | | 0.00 | 0.03 | | | | |
| | 3 | 8.09 | 22.20 | | 8 | NA | NA |
| | 4 | 0.00 | 0.02 | | 9 | NA | NA |
| | 4 | 8.09 | 22.33 | | 10 | NA | NA |
| | 5 | 0.00 | 24.00 | | 11 | NA | NA |
| | 6 | 0.00 | 24.00 | =//.0/00/ | | | |
| | 7 | 0.00 | 24.00 | 7/12/2010 | | NA | NA |
| | 8 | 0.00 | 0.02 | | 2 | 0.00 | 24.00 |
| | 8 | 8.09 | 22.33 | | 3 | | NA |
| | 9 | 0.00 | 0.02 | | 4 | | NA |
| | 9 | 8.09 | 22.33 | | 5 | | 24.00 |
| | 10 | 0.00 | 0.02 | | 6 | | NA |
| | 10 | 8.09 | 22.20 | | 7 | | NA |
| | 11 | 0.00 | 0.02 | | 8 | | NA |
| | | | | | 9 | NA | NA |
| 4/10/2010 | 1 | NA | NA | | 10 | NA | NA |
| | 2 | 15.36 | 22.51 | | 11 | NA | NA |
| | 3 | 15.36 | 22.51 | | | | |
| | 4 | 5.59 | 22.51 | 7/13/2010 | 1 | NA | NA |
| | 5 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 6 | 0.00 | 22.51 | | 3 | 14.03 | 20.05 |
| | 7 | 0.00 | 24.00 | | 4 | 14.03 | 20.05 |
| | 8 | 15.36 | 22.51 | | 5 | | 24.00 |
| | 9 | 15.36 | 22.51 | | 6 | | 18.00 |
| | 10 | 15.36 | 22.51 | | 7 | | 18.00 |
| | 11 | 15.36 | 22.51 | | 8 | | 18.00 |
| | - 11 | 70.00 | 22.01 | | 9 | | 18.00 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|--------------|---|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| 4/11/2010 | 1 | 18.00 | 22.37 | | 10 | NA | NA |
| | 2 | 18.00 | 22.37 | | 11 | NA | NA |
| | 3 | 18.00 | 22.37 | | | | |
| | 4 | 10.03 | 22.56 | 7/14/2010 | 1 | 11.59 | 19.00 |
| | 5 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 6 | 10.03 | 24.00 | | 3 | 11.59 | 19.00 |
| | 7 | 0.00 | 24.00 | | 4 | 11.59 | 20.17 |
| | 8 | 13.57 | 22.56 | | 5 | 0.00 | 4.41 |
| | 9 | 18.00 | 22.56 | | 6 | 11.59 | 20.17 |
| | 10 | 18.00 | 22.37 | | 7 | 4.41 | 24.00 |
| | 11 | 18.00 | 22.56 | | 8 | 11.59 | 19.00 |
| | • | | | | 9 | 16.14 | 19.00 |
| 4/12/2010 | 1 | 17.11 | 17.37 | | 10 | NA | NA |
| 4/12/2010 | 1 | 19.34 | 24.00 | | 11 | 14.07 | 17.45 |
| | 2 | 7.10 | 11.04 | | | 14.07 | 17.40 |
| | 2 | 17.11 | 17.37 | 7/15/2010 | 1 | 8.38 | 19.53 |
| | 2 | 19.34 | 24.00 | 7/13/2010 | 2 | 0.00 | 24.00 |
| | 3 | 7.10 | 11.04 | | 3 | 8.38 | 19.53 |
| | 3 | 17.11 | - | | 4 | | 19.55 NA |
| | | | 17.37 | | + | NA NA | |
| | 3 | 19.34 | 24.00 | | 5 | NA NA | NA |
| | 4 | 7.10 | 24.00 | | 6 | NA | NA |
| | 5 | 0.00 | 24.00 | | 7 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 8 | 12.20 | 19.53 |
| | 7 | 0.00 | 24.00 | | 9 | 12.20 | 19.53 |
| | 8 | 7.10 | 11.04 | | 10 | NA | NA |
| | 8 | 17.11 | 17.37 | | 11 | 12.20 | 19.53 |
| | 8 | 19.34 | 24.00 | | | | |
| | 9 | 7.10 | 11.04 | 7/16/2010 | 1 | 13.07 | 18.01 |
| | 9 | 17.11 | 17.37 | | 2 | 0.00 | 24.00 |
| | 9 | 19.34 | 24.00 | | 3 | 12.05 | 18.01 |
| | 10 | 7.10 | 11.04 | | 4 | 13.07 | 18.01 |
| | 10 | 17.11 | 17.37 | | 5 | NA | NA |
| | 10 | 19.34 | 24.00 | | 6 | 12.05 | 18.01 |
| | 11 | 7.10 | 24.00 | | 6 | 19.07 | 24.00 |
| | | | | | 7 | 0.00 | 19.08 |
| 4/13/2010 | 1 | NA | NA | | 8 | 12.05 | 18.01 |
| | 2 | 7.20 | 12.05 | | 9 | 13.07 | 18.01 |
| | 3 | 7.20 | 12.05 | | 10 | NA | NA |
| | 4 | 7.20 | 12.05 | | 11 | NA | NA |
| | 4 | 14.00 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | 7/17/2010 | 1 | 14.06 | 20.02 |
| | 6 | 7.20 | 24.00 | | 2 | | 24.00 |
| | 7 | 0.00 | 24.00 | | 3 | | 20.02 |
| | 8 | 7.20 | 12.05 | | 4 | NA | NA |
| | 8 | 14.00 | 24.00 | | 5 | | NA |
| | 9 | 7.20 | 12.05 | | 6 | | 24.00 |
| | 10 | NA NA | NA | | 7 | | NA NA |
| | 11 | 7.20 | 24.00 | | 8 | | 19.12 |
| | - 11 | 1.20 | 27.00 | | 9 | | 20.02 |
| 4/14/2010 | 1 | NA | NA | | 10 | | 20.02 NA |
| -T/ 1-T/2010 | 2 | NA NA | NA NA | | 11 | NA NA | NA NA |
| | 3 | 7.09 | 14.22 | | 11 | INA | INA |

| | | Turbine Start | | | | Turbine Start | |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 4 | 0.00 | 3.55 | 7/18/2010 | 1 | 14.04 | 19.08 |
| | 4 | 7.09 | 23.00 | | 2 | 0.00 | 24.00 |
| | 5 | 0.00 | 7.11 | | 3 | 14.04 | 19.08 |
| | 5 | 14.20 | 24.00 | | 4 | NA | NA |
| | 6 | 0.00 | 3.55 | | 5 | NA | NA |
| | 6 | 7.09 | 23.00 | | 6 | 0.00 | 24.00 |
| | 7 | 0.00 | 24.00 | | 7 | NA | NA |
| | 8 | 0.00 | 3.55 | | 8 | 15.00 | 19.08 |
| | 8 | 7.09 | 23.00 | | 9 | 16.07 | 19.08 |
| | 9 | 7.09 | 23.00 | | 10 | NA | NA |
| | 10 | NA | NA | | 11 | NA | NA NA |
| | 11 | 0.00 | 3.55 | | 11 | INA | INA |
| | - 11 | 0.00 | 3.55 | 7/40/2040 | 4 | 1111 | 22.44 |
| 4/45/0040 | | NIA | N 10 | 7/19/2010 | 1 | 14.14 | 22.11 |
| 4/15/2010 | 1 | NA | NA | | 2 | 0.00 | 24.00 |
| | 2 | NA | NA | | 3 | | 22.11 |
| | 3 | NA | NA | | 4 | NA | NA |
| | 4 | 7.18 | 23.00 | | 5 | NA | NA |
| | 5 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 6 | 7.18 | 23.00 | | 7 | NA | NA |
| | 7 | 0.00 | 24.00 | | 8 | NA | NA |
| | 8 | 7.18 | 23.00 | | 9 | NA | NA |
| | 9 | 7.18 | 23.00 | | 10 | NA | NA |
| | 10 | NA | NA | | 11 | NA | NA |
| | 11 | NA | NA | | | | |
| | | | | 7/20/2010 | 1 | 14.25 | 18.58 |
| 4/16/2010 | 1 | NA | NA | | 2 | 0.00 | 24.00 |
| | 2 | NA | NA | | 3 | 14.25 | 18.58 |
| | 3 | NA | NA | | 4 | NA | NA |
| | 4 | 9.06 | 22.07 | | 5 | | NA |
| | 5 | 0.00 | 22.07 | | 6 | | 24.00 |
| | 6 | 9.06 | 24.00 | | 7 | NA | NA |
| | 7 | 0.00 | 24.00 | | 8 | 16.27 | 18.58 |
| | 8 | 9.06 | 22.07 | | 9 | NA | NA |
| | 9 | 9.06 | 22.07 | | 10 | | NA NA |
| | 10 | NA | NA | | 11 | | NA NA |
| | | | | | 11 | INA | INA |
| | 11 | NA | NA | 7/04/0040 | | NΙΛ | NI A |
| 4/47/0010 | 4 | N I A | A I A | 7/21/2010 | 1 | | NA 24.00 |
| 4/17/2010 | 1 | NA | NA | | 2 | | 24.00 |
| | 2 | NA | NA | | 3 | | NA |
| | 3 | NA | NA | | 4 | | NA |
| | 4 | 16.26 | 24.00 | | 5 | | NA |
| | 5 | 16.26 | 24.00 | | 6 | | 24.00 |
| | 6 | 0.00 | 24.00 | | 7 | NA | NA |
| | 7 | 0.00 | 22.05 | | 8 | | NA |
| | 8 | 22.05 | 24.00 | | 9 | NA | NA |
| | 9 | NA | NA | | 10 | NA | NA |
| | 10 | NA | NA | | 11 | NA | NA |
| | 11 | NA | NA | | | | |
| | | | | 7/22/2010 | 1 | 15.05 | 17.15 |
| 4/18/2010 | 1 | NA | NA | | 2 | | 24.00 |
| | 2 | 18.00 | 22.12 | | 3 | | 17.15 |
| | 3 | 18.00 | 22.12 | | 4 | | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|-----------|-------------|---------------|-------------|------------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 4 | 0.00 | 24.00 | | 5 | NA | NA |
| | 5 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 6 | 0.00 | 24.00 | | 7 | NA | NA |
| | 7 | 18.00 | 24.00 | | 8 | 15.05 | 17.15 |
| | 9 | 0.00 | 22.12 | | 9 | 15.05 | 17.15 |
| | 9 | 18.00 | 22.12 | | 10 | NA | NA |
| | 10 | NA | NA | | 11 | NA | NA |
| | 11 | NA | NA | | | | |
| | | | | 7/23/2010 | 1 | 15.09 | 17.18 |
| 4/19/2010 | 1 | 16.53 | 21.58 | | 2 | 0.00 | 24.00 |
| | 2 | NA | NA | | 3 | 15.09 | 18.00 |
| | 3 | 16.53 | 21.58 | | 4 | | 17.18 |
| | 4 | 0.00 | 21.58 | | 5 | NA | NA |
| | 5 | 0.00 | 24.00 | | 6 | 0.00 | 24.00 |
| | 6 | 0.00 | 21.58 | | 7 | 15.09 | 18.00 |
| | 7 | 0.00 | 24.00 | | 8 | 15.09 | 18.00 |
| | 8 | 16.53 | 21.58 | | 9 | 15.09 | 17.18 |
| | 9 | 16.53 | 21.58 | | 10 | NA | NA |
| | 10 | NA | NA | | 11 | NA | NA |
| | 11 | 16.53 | 21.58 | | | 147 | 10/1 |
| | | 10.00 | 21.00 | 7/24/2010 | 1 | NA | NA |
| 4/20/2010 | 1 | NA | NA | 172-172010 | 2 | 0.00 | 24.00 |
| 4/20/2010 | 2 | NA NA | NA NA | | 3 | | NA |
| | 3 | NA NA | NA NA | | 4 | 15.23 | 20.54 |
| | 4 | 5.56 | 12.10 | | 5 | | NA |
| | 4 | 17.06 | 22.05 | | 6 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 7 | 15.23 | 20.54 |
| | 6 | 5.56 | 12.10 | | 8 | 15.23 | 20.54 |
| | 6 | 17.06 | 22.05 | | 9 | | 20.54 |
| | 7 | 0.00 | 24.00 | | 10 | NA | 20.34 NA |
| | | 5.56 | 12.10 | | 10 | NA NA | NA NA |
| | 8 | 17.06 | 22.05 | | 11 | INA | INA |
| | | | | 7/25/2010 | 1 | NIA | NIA |
| | 9 | NA NA | NA NA | 7/25/2010 | 1 | NA 0.00 | NA 24.00 |
| | 10 | NA NA | NA NA | | 3 | | 24.00 |
| | 11 | NA | NA | | 4 | | NA 18.00 |
| 4/04/0040 | 4 | 47.00 | 22.20 | | + | | 18.00 |
| 4/21/2010 | 1 2 | 17.02 | 22.30 | | 5 | | NA 7.20 |
| | | 8.10 | 22.30 | | 6 | | 7.39 |
| | 3 | 17.02 | 22.30 | | 6 | | 24.00 |
| | 4 | 17.02 | 22.30 | | 7 | | 18.00 |
| | 5 | 0.00 | 12.15 | | 8 | | 18.00 |
| | 5 | 17.02 | 24.00 | | 9 | | NA NA |
| | 6 | 8.10 | 12.15 | | 10 | | NA |
| | 6 | 17.02 | 22.30 | | 11 | NA | NA |
| | 7 | 0.00 | 24.00 | 7/00/02:2 | | N.1.A | |
| | 8 | 8.10 | 12.15 | 7/26/2010 | | | NA 04.00 |
| | 8 | 17.02 | 22.30 | | 2 | | 24.00 |
| | 9 | 17.02 | 22.30 | | 3 | | NA |
| | 10 | NA 17.00 | NA | | 4 | | NA |
| | 11 | 17.02 | 22.30 | | 5 | | 24.00 |
| | | | | | 6 | | 10.53 |
| 4/22/2010 | 1 | NA | NA | | 7 | 10.48 | 19.56 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 2 | 17.08 | 22.05 | | 8 | NA | NA |
| | 3 | 17.08 | 22.05 | | 9 | NA | NA |
| | 4 | 6.03 | 12.10 | | 10 | NA | NA |
| | 4 | 17.08 | 22.05 | | 11 | NA | NA |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 6.03 | 12.10 | 7/27/2010 | 1 | 16.18 | 18.21 |
| | 6 | 17.08 | 22.05 | | 2 | 0.00 | 18.26 |
| | 7 | 0.00 | 24.00 | | 3 | NA | NA |
| | 8 | 10.12 | 12.10 | | 4 | 16.18 | 18.21 |
| | 8 | 17.08 | 22.05 | | 5 | 0.00 | 24.00 |
| | 9 | 10.12 | 12.10 | | 6 | NA | NA |
| | 9 | 17.08 | 22.05 | | 7 | NA | NA |
| | 10 | NA | NA | | 8 | NA | NA |
| | 11 | 17.08 | 22.05 | | 9 | NA | NA |
| | | | | | 10 | NA | NA |
| 4/23/2010 | 1 | NA | NA | | 11 | NA | NA |
| 1/20/2010 | 2 | NA | NA | | | 1471 | 10/1 |
| | 3 | NA | NA | 7/28/2010 | 1 | NA | NA |
| | 4 | 7.03 | 13.02 | 772072010 | 2 | NA | NA |
| | 4 | 16.56 | 22.10 | | 3 | 13.10 | 18.07 |
| | 5 | 0.00 | 24.00 | | 4 | 13.10 | 18.07 |
| | | | | | | | |
| | 6 | 7.03 | 13.02 | | 5 | 0.00 | 24.00 |
| | | 16.56 | 22.10 | | | 13.10 | 18.07 |
| | 7 | 0.00 | 24.00 | | 7 | NA 44.50 | NA 10.07 |
| | 8 | 7.03 | 13.02 | | 8 | 14.59 | 18.07 |
| | 8 | 16.56 | 22.10 | | 9 | 14.59 | 18.07 |
| | 9 | 7.03 | 13.02 | | 10 | NA | NA |
| | 9 | 16.56 | 22.10 | | 11 | NA | NA |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | 7/29/2010 | 1 | 14.51 | 18.29 |
| | | | | | 2 | 14.51 | 18.29 |
| 4/24/2010 | 1 | NA | NA | | 3 | NA | NA |
| | 2 | NA | NA | | 4 | NA | NA |
| | 3 | NA | NA | | 5 | 0.00 | 24.00 |
| | 4 | 19.09 | 22.05 | | 6 | NA | NA |
| | 5 | 0.00 | 24.00 | | 7 | 14.51 | 18.29 |
| | 6 | 19.09 | 22.05 | | 8 | 14.51 | 18.29 |
| | 7 | 0.00 | 24.00 | | 9 | NA | NA |
| | 8 | NA | NA | | 10 | NA | NA |
| | 9 | NA | NA | | 11 | NA | NA |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | 7/30/2010 | 1 | NA | NA |
| | · | | | | 2 | NA | NA |
| 4/25/2010 | 1 | NA | NA | | 3 | 13.02 | 15.04 |
| | 2 | NA | NA | | 4 | | 15.04 |
| | 3 | NA | NA | | 5 | 0.00 | 24.00 |
| | 4 | 17.01 | 21.53 | | 6 | | NA |
| | 5 | 0.00 | 24.00 | | 7 | 13.02 | 15.04 |
| | 6 | 17.01 | 21.53 | | 8 | 13.02 | 15.04 |
| | 7 | 0.00 | 24.00 | | 9 | | NA |
| | 8 | NA | NA | | 10 | | NA |
| | 9 | NA NA | NA NA | | 11 | NA | NA |

| | | Turbine Start | | | | Turbine Start | |
|-----------|-------------|---------------|-------------|-----------|-------------|---------------|----------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | 7/31/2010 | 1 | NA | NA |
| | | | | | 2 | NA | NA |
| 4/26/2010 | 1 | NA | NA | | 3 | 15.01 | 17.38 |
| | 2 | NA | NA | | 4 | 15.01 | 17.38 |
| | 3 | NA | NA | | 5 | 0.00 | 24.00 |
| | 4 | 5.04 | 22.08 | | 6 | 15.01 | 17.38 |
| | 5 | 0.00 | 24.00 | | 7 | NA | NA |
| | 6 | 5.04 | 22.08 | | 8 | NA | NA |
| | 7 | 0.00 | 24.00 | | 9 | NA | NA |
| | 8 | 5.04 | 22.08 | | 10 | NA | NA |
| | 9 | 5.04 | 22.08 | | 11 | NA | NA |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | 8/1/2010 | 1 | 15.04 | 19.00 |
| | | | | | 2 | 15.04 | 24.00 |
| 4/27/2010 | 1 | NA | NA | | 3 | 16.02 | 19.00 |
| | 2 | 16.24 | 22.14 | | 4 | NA | NA |
| | 3 | 16.24 | 22.14 | | 5 | 0.00 | 24.00 |
| | 4 | 9.08 | 13.00 | | 6 | NA | NA |
| | 4 | 16.24 | 24.00 | | 7 | NA | NA |
| | 5 | 0.00 | 24.00 | | 8 | 16.02 | 19.00 |
| | 6 | 9.08 | 22.14 | | 9 | NA | NA |
| | 7 | 0.00 | 13.00 | | 10 | NA NA | NA NA |
| | 7 | 16.24 | 22.14 | | 11 | NA NA | NA NA |
| | 8 | 16.24 | 22.14 | | 11 | INA | INA |
| | | | | 9/9/9040 | 4 | 45.40 | 15 50 |
| | 9 | 16.24 | 22.14 | 8/2/2010 | 1 | 15.13 | 15.58 |
| | 10 | NA 10.01 | NA 00.44 | | 2 | 0.00 | 16.54 |
| | 11 | 16.24 | 22.14 | | 3 | NA | NA |
| . / / | | | | | 4 | NA | NA |
| 4/28/2010 | 1 | NA | NA | | 5 | 0.00 | 24.00 |
| | 2 | NA | NA | | 6 | NA | NA |
| | 3 | 23.38 | 24.00 | | 7 | NA | NA |
| | 4 | 0.00 | 23.38 | | 8 | NA | NA |
| | 5 | 0.00 | 24.00 | | 9 | | NA |
| | 6 | 9.15 | 24.00 | | 10 | | NA |
| | 7 | 9.15 | 24.00 | | 11 | NA | NA |
| | 8 | 10.07 | 23.56 | | | | |
| | 9 | 10.07 | 23.56 | 8/3/2010 | 1 | 14.17 | 17.08 |
| | 10 | NA | NA | | 2 | NA | NA |
| | 11 | NA | NA | | 3 | NA | NA |
| | | | | | 4 | 14.17 | 17.08 |
| 4/29/2010 | 1 | 13.13 | 23.07 | | 5 | 0.00 | 24.00 |
| | 2 | 13.13 | 23.07 | | 6 | NA | NA |
| | 3 | 0.00 | 3.02 | | 7 | NA | NA |
| | 3 | 13.13 | 23.07 | | 8 | NA | NA |
| | 4 | 13.13 | 23.07 | | 9 | NA | NA |
| | 5 | 0.00 | 24.00 | | 10 | | NA |
| | 6 | 0.00 | 3.02 | | 11 | NA | NA |
| | 6 | 13.13 | 23.07 | | | | |
| | 7 | 0.00 | 24.00 | 8/4/2010 | 1 | 15.05 | 18.22 |
| | 8 | 13.13 | 23.07 | 3, 1,2310 | 2 | | 24.00 |
| | 9 | 13.13 | 23.07 | | 3 | | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|-------------|-------------|----------------|----------------|----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 13.13 | 23.07 | | 4 | 15.05 | 18.22 |
| | 11 | NA | NA | | 5 | 0.00 | 24.00 |
| | | | | | 6 | 16.07 | 18.28 |
| 4/30/2010 | 1 | 12.10 | 22.14 | | 7 | 16.07 | 17.28 |
| | 2 | 12.10 | 24.00 | | 8 | 16.07 | 17.22 |
| | 3 | 12.10 | 22.22 | | 9 | 16.07 | 18.22 |
| | 4 | 5.47 | 22.22 | | 10 | NA | NA |
| | 5 | 0.00 | 24.00 | | 11 | NA | NA |
| | 6 | 5.47 | 22.22 | | | | |
| | 7 | 0.00 | 22.22 | 8/5/2010 | 1 | NA | NA |
| | 8 | 5.47 | 22.22 | | 2 | | 16.03 |
| | 9 | 5.47 | 22.14 | | 3 | | NA |
| | 10 | NA | NA | | 4 | | NA |
| | 11 | 5.47 | 22.14 | | 5 | | 24.00 |
| | | 2111 | | | 6 | | NA |
| 5/1/2010 | 1 | NA | NA | | 7 | | NA |
| 0, 1, 20 10 | 2 | 0.00 | 24.00 | | 8 | | NA |
| | 3 | 13.09 | 23.09 | | 9 | | NA |
| | 4 | 13.09 | 23.09 | | 10 | | NA |
| | 5 | 0.00 | 22.50 | | 11 | NA | NA |
| | 6 | 7.16 | 22.50 | | | 101 | 1071 |
| | 7 | 7.16 | 24.00 | 8/6/2010 | 1 | NA | NA |
| | 8 | 7.16 | 23.09 | 0/0/2010 | 2 | | 24.00 |
| | 9 | 7.16 | 23.09 | | 3 | | NA |
| | 10 | 13.09 | 22.50 | | 4 | | NA NA |
| | 11 | 13.09 | 22.50 | | 5 | | 20.19 |
| | | 13.09 | 22.50 | | 6 | | NA |
| 5/2/2010 | 1 | NA | NA | | 7 | | NA NA |
| 3/2/2010 | 2 | 0.00 | 24.00 | | 8 | | NA NA |
| | 3 | 14.02 | 24.00 | | 9 | + | NA NA |
| | 4 | 14.02 | 24.00 | | 10 | | NA NA |
| | 5 | 0.43 | 24.00 | | 11 | NA NA | NA NA |
| | 6 | 10.12 | 24.00 | | 11 | INA | INA |
| | 7 | 0.00 | 0.51 | 8/7/2010 | 1 | NA | NA |
| | 7 | 10.12 | 24.00 | 0/1/2010 | 2 | | 24.00 |
| | 8 | 10.12 | 24.00 | | 3 | | 24.00 NA |
| | | | | | 4 | | |
| | 9 | 10.12 | 24.00 | | 5 | | NA NA |
| | 11 | 14.02 14.02 | 24.00 24.00 | | 6 | | NA NA |
| | 11 | 14.02 | 24.00 | | | | |
| E /2 /2010 | 4 | 12.02 | 24.00 | | 8 | | NA NA |
| 5/3/2010 | 2 | 12.02 0.00 | 24.00 24.00 | | 9 | | NA NA |
| | | | | | | | |
| | 3 | 0.00 | 0.10 | | 10 | | NA NA |
| | 3 | 12.02 | 24.00 | | 11 | NA | NA |
| | 4 | 0.00 | 0.10 | 0/0/0040 | | NI A | A I A |
| | 4 | 12.02 | 24.00 | 8/8/2010 | 1 | | NA 24.00 |
| | 5 | 0.00 | 24.00 | | 2 | | 24.00 |
| | 6 | 0.00 | 0.10 | | 3 | | NA NA |
| | 6 | 12.02 | 24.00 | | 4 | | NA |
| | 7 | 12.02 | 24.00 | | 5 | | NA |
| | 8 | 0.00 | 0.10 | | 6 | | NA |
| | 8 | 12.15 | 24.00 | | 7 | NA | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|----------|-------------|---------------|-------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 9 | 0.00 | 0.10 | | 8 | NA | NA |
| | 9 | 12.15 | 24.00 | | 9 | NA | NA |
| | 10 | 19.30 | 24.00 | | 10 | NA | NA |
| | 11 | 12.15 | 24.00 | | 11 | NA | NA |
| | | | | | | | |
| 5/4/2010 | 1 | 0.00 | 2.12 | 8/9/2010 | 1 | NA | NA |
| | 2 | 0.00 | 24.00 | | 2 | 0.00 | 24.00 |
| | 3 | 0.00 | 3.05 | | 3 | NA | NA |
| | 3 | 11.56 | 23.00 | | 4 | NA | NA |
| | 4 | 0.00 | 3.05 | | 5 | NA | NA |
| | 4 | 11.56 | 23.00 | | 6 | NA | NA |
| | 5 | 0.00 | 24.00 | | 7 | NA | NA |
| | 6 | 0.00 | 3.05 | | 8 | NA | NA |
| | 6 | 8.17 | 23.00 | | 9 | NA | NA |
| | 7 | 0.00 | 3.05 | | 10 | NA | NA |
| | 7 | 8.17 | 23.00 | | 11 | NA | NA |
| | 8 | 0.00 | 2.12 | | | | |
| | 8 | 11.56 | 23.00 | 8/10/2010 | 1 | NA | NA |
| | 9 | 0.00 | 2.12 | | 2 | 0.00 | 24.00 |
| | 9 | 11.56 | 23.00 | | 3 | NA | NA |
| | 10 | 0.00 | 2.12 | | 4 | NA | NA |
| | 10 | 11.56 | 23.00 | | 5 | NA | NA |
| | 11 | 0.00 | 2.12 | | 6 | NA | NA |
| | 11 | 11.56 | 23.00 | | 7 | NA | NA |
| | | | 20.00 | | 8 | NA | NA |
| 5/5/2010 | 1 | 11.12 | 24.00 | | 9 | NA | NA |
| 0/0/2010 | 2 | 0.00 | 24.00 | | 10 | NA | NA |
| | 3 | 11.12 | 24.00 | | 11 | NA | NA NA |
| | 4 | 11.12 | 24.00 | | | 1471 | 10/ |
| | 5 | 0.00 | 24.00 | 8/11/2010 | 1 | NA | NA |
| | 6 | 11.12 | 24.00 | 0/11/2010 | 2 | 0.00 | 24.00 |
| | 7 | 11.12 | 24.00 | | 3 | NA | NA |
| | 8 | 11.12 | 24.00 | | 4 | NA NA | NA NA |
| | 9 | 11.16 | 24.00 | | 5 | | NA |
| | 10 | NA NA | NA | | 6 | | NA |
| | 11 | 11.16 | 24.00 | | 7 | | NA NA |
| | | 11.10 | 24.00 | | 8 | | NA NA |
| 5/6/2010 | 1 | 0.00 | 0.03 | | 9 | | NA NA |
| 3/0/2010 | 2 | 14.00 | 21.34 | | 10 | | NA NA |
| | 3 | 0.00 | 24.00 | | 11 | | NA NA |
| | 3 | 14.00 | 21.39 | | 11 | INA | INA |
| | 4 | 0.00 | 0.03 | 8/12/2010 | 1 | NA | NA |
| | | | | 6/12/2010 | | | |
| | 4 | 14.00 | 21.39 | | 2 | | 24.00 |
| | 5 | 0.00 | 24.00 | | 3 | | NA NA |
| | 6 | 0.00 | 0.03 | | 4 | | NA NA |
| | 6 | 14.00 | 21.34 | | 5 | | NA |
| | 7 | 0.00 | 0.03 | | 6 | | NA |
| | 7 | 14.00 | 21.34 | | 7 | | NA |
| | 8 | 0.00 | 0.03 | | 8 | | NA |
| | 8 | 14.00 | 21.39 | | 9 | | NA |
| | 9 | 0.00 | 0.03 | | 10 | | NA |
| | 9 | 14.00 | 21.34 | | 11 | NA | NA |

| | | Turbine Start | | | | Turbine Start | |
|-----------|-------------|---------------|-------|-----------|-------------|---------------|-------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 16.12 | 21.34 | | | | |
| | 11 | 0.00 | 0.03 | 8/13/2010 | 1 | NA | NA |
| | 11 | 14.00 | 21.39 | | 2 | 0.00 | 24.00 |
| | | | | | 3 | NA | NA |
| 5/7/2010 | 1 | NA | NA | | 4 | NA | NA |
| | 2 | 0.00 | 24.00 | | 5 | NA | NA |
| | 3 | 14.08 | 21.35 | | 6 | NA | NA |
| | 4 | 14.08 | 21.35 | | 7 | NA | NA |
| | 5 | 0.00 | 24.00 | | 8 | NA | NA |
| | 6 | 8.09 | 21.35 | | 9 | NA | NA |
| | 7 | 8.09 | 21.25 | | 10 | NA | NA |
| | 8 | 8.09 | 21.25 | | 11 | NA | NA |
| | 9 | 14.08 | 21.25 | | | | |
| | 10 | NA | NA | 8/14/2010 | 1 | 16.03 | 17.05 |
| | 11 | 14.08 | 21.25 | | 1 | 17.30 | 18.32 |
| | | | | | 2 | 0.00 | 24.00 |
| 5/8/2010 | 1 | NA | NA | | 3 | 16.03 | 17.05 |
| | 2 | 0.00 | 24.00 | | 3 | 17.30 | 18.32 |
| | 3 | NA | NA | | 4 | 16.03 | 17.05 |
| | 4 | NA | NA | | 4 | 17.30 | 18.32 |
| | 5 | 0.00 | 24.00 | | 5 | 17.30 | 21.11 |
| | 6 | 11.10 | 22.00 | | 6 | 17.30 | 18.32 |
| | 7 | 11.10 | 22.00 | | 7 | 17.30 | 18.32 |
| | 8 | 11.10 | 22.00 | | 8 | 16.03 | 17.05 |
| | 9 | 11.10 | 22.00 | | 8 | | 18.20 |
| | 10 | NA | NA NA | | 9 | 16.03 | 17.05 |
| | 11 | NA | NA NA | | 9 | 17.30 | 18.20 |
| | | 14/1 | 107 | | 10 | NA | NA |
| 5/9/2010 | 1 | NA | NA | | 11 | 16.03 | 17.05 |
| 3/3/2010 | 2 | 0.00 | 9.32 | | 11 | 17.30 | 18.20 |
| | 2 | 9.39 | 24.00 | | 11 | 17.30 | 10.20 |
| | 3 | 11.07 | 21.20 | 8/15/2010 | 1 | NA | NA |
| | 4 | 11.08 | 21.20 | 0/13/2010 | 2 | 0.00 | 24.00 |
| | | | | | 3 | | |
| | 5 6 | 0.00 | 24.00 | | | | NA |
| | | 11.07 | 21.20 | | 4 | | NA |
| | 7 | 11.07 | 21.20 | | 5 | | NA |
| | 8 | 11.07 | 21.20 | | 7 | | NA |
| | 9 | NA | NA | | | | NA |
| | 10 | NA | NA | | 8 | | NA |
| | 11 | NA | NA | | 9 | | NA |
| E/40/0045 | , | N. A. | N/C | | 10 | NA | NA |
| 5/10/2010 | 1 | NA | NA | | 11 | NA | NA |
| | 2 | 0.00 | 24.00 | _,,_, | | | |
| | 3 | NA | NA | 8/16/2010 | 1 | | NA |
| | 4 | NA | NA | | 2 | 0.00 | 23.00 |
| | 5 | 0.00 | 24.00 | | 3 | | N |
| | 6 | 6.07 | 13.00 | | 4 | | 23.00 |
| | 6 | 18.00 | 22.05 | | 5 | | 24.00 |
| | 7 | 6.07 | 13.00 | | 6 | | 23.00 |
| | 7 | 18.00 | 22.05 | | 7 | | 23.00 |
| | 8 | 6.07 | 9.58 | | 8 | | NA |
| | 8 | 18.00 | 22.05 | | 9 | NA | NA |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|-----------|-------------------|---------------|-------------|-----------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 9 | 18.00 | 22.05 | | 10 | NA | NA |
| | 10 | NA | NA | | 11 | NA | NA |
| | 11 | NA | NA | | | | |
| | | | | 8/17/2010 | 1 | NA | NA |
| 5/11/2010 | 1 | NA | NA | | 2 | 21.25 | 24.00 |
| 5,71,2010 | 2 | 0.00 | 24.00 | | 3 | | 19.07 |
| | 3 | 18.05 | 22.24 | | 4 | 15.18 | 19.07 |
| | 4 | 18.05 | 22.24 | | 5 | 0.00 | 21.25 |
| | 5 | 0.00 | 24.00 | | 6 | 12.27 | 18.05 |
| | 6 | 6.07 | 10.03 | | 7 | 12.27 | 18.05 |
| | 6 | 18.05 | 22.24 | | 8 | NA | NA |
| | 7 | 6.07 | 10.03 | | 9 | NA NA | NA |
| | 7 | 18.05 | 22.24 | | 10 | NA NA | NA |
| | | | | | 10 | | |
| | 8 | 6.07 | 10.03 | | 11 | NA | NA |
| | 8 | 18.05 | 22.24 | 0/40/0040 | 4 | NIA. | NIA |
| | 9 | 6.07 | 10.03 | 8/18/2010 | 1 | NA | NA |
| | 9 | 18.05 | 22.24 | | 2 | 0.00 | 24.00 |
| | 10 | NA | NA | | 3 | 13.04 | 19.17 |
| | 11 | NA | NA | | 4 | 13.04 | 19.17 |
| | | | | | 5 | NA | NA |
| 5/12/2010 | 1 | 18.05 | 24.00 | | 6 | NA | NA |
| | 2 | 0.00 | 0.31 | | 7 | NA | NA |
| | 2 | 1.47 | 24.00 | | 8 | NA | NA |
| | 3 | 5.10 | 10.03 | | 9 | NA | NA |
| | 3 | 18.05 | 24.00 | | 10 | NA | NA |
| | 4 | 5.10 | 10.03 | | 11 | NA | NA |
| | 4 | 18.05 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | 8/19/2010 | 1 | NA | NA |
| | 6 | 5.10 | 10.03 | | 2 | 0.00 | 24.00 |
| | 6 | 18.05 | 24.00 | | 3 | NA | NA |
| | 7 | 5.10 | 24.00 | | 4 | NA | NA |
| | 8 | 5.10 | 10.03 | | 5 | NA | NA |
| | 8 | 18.05 | 24.00 | | 6 | NA | NA |
| | 9 | 18.05 | 24.00 | | 7 | NA | NA |
| | 10 | 0.31 | 1.47 | | 8 | NA | NA |
| | 10 | 18.05 | 24.00 | | 9 | NA | NA |
| | 11 | 18.05 | 24.00 | | 10 | | NA |
| | | | | | 11 | NA | NA |
| 5/13/2010 | 1 | 0.00 | 0.21 | | | | |
| | 1 | 17.04 | 21.24 | 8/20/2010 | 1 | NA | NA |
| | 2 | 0.00 | 24.00 | 5,25,2510 | 2 | | 24.00 |
| | 3 | 0.00 | 1.57 | | 3 | | 18.00 |
| | 3 | 17.04 | 21.24 | | 4 | | 17.16 |
| | 4 | 0.00 | 1.57 | | 5 | | NA |
| | 4 | 17.04 | 21.24 | | 6 | | 16.14 |
| | 4 5 | 0.00 | 24.00 | | 7 | 14.00 | 16.14 |
| | 6 | | | | | | |
| | | 0.00 | 1.57 | | 8 | | NA |
| | 6 | 17.04 | 21.24 | | 9 | | NA |
| | 7 | 0.00 | 1.57 | | 10 | | NA |
| | 7 | 17.04 | 21.24 | | 11 | NA | NA |
| | 8 | 0.00 | 1.57 | | | | |
| | 8 | 17.04 | 21.17 | 8/21/2010 | 1 | NA | NA |

| Doto | Linit Number | Turbine Start | | Data | Linit Number | Turbine Start | |
|-----------|--------------|---------------|-------|------------|--------------|---------------|-------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 9 | 0.00 | 0.21 | | 2 | 0.00 | 24.00 |
| | 9 | 17.04 | 21.17 | | 3 | NA | NA |
| | 10 | 0.00 | 0.21 | | 4 | NA | NA |
| | 11 | 0.00 | 0.21 | | 5 | NA | NA |
| | 11 | 17.04 | 21.17 | | 6 | NA | NA |
| | | | | | 7 | NA | NA |
| 5/14/2010 | 1 | 5.09 | 11.05 | | 8 | NA | NA |
| | 1 | 13.05 | 22.44 | | 9 | NA | NA |
| | 2 | 0.00 | 11.05 | | 10 | NA | NA |
| | 2 | 13.05 | 24.00 | | 11 | NA | NA |
| | 3 | 5.09 | 11.05 | | | | |
| | 3 | 13.05 | 22.44 | 8/22/2010 | 1 | NA | NA |
| | 4 | 5.09 | 22.44 | | 2 | 0.00 | 24.00 |
| | 5 | 0.00 | 24.00 | | 3 | NA | NA |
| | 6 | 5.09 | 22.44 | | 4 | NA | NA |
| | 7 | 5.09 | 22.44 | | 5 | NA | NA |
| | 8 | 5.17 | 22.44 | | 6 | NA | NA |
| | 9 | 5.17 | 11.05 | | 7 | NA | NA |
| | 9 | 13.05 | 22.44 | | 8 | NA | NA |
| | 10 | 5.17 | 11.05 | | 9 | NA | NA |
| | 10 | 13.05 | 22.44 | | 10 | NA | NA |
| | 11 | 5.17 | 11.05 | | 11 | NA | NA |
| | 11 | 13.05 | 22.44 | | | | |
| | | | | 8/23/2010 | 1 | NA | NA |
| 5/15/2010 | 1 | 14.00 | 20.11 | 0,20,20,0 | 2 | 0.00 | 24.00 |
| 0/10/2010 | 2 | 0.00 | 23.42 | | 3 | NA | NA |
| | 3 | 6.15 | 23.42 | | 4 | 13.19 | 18.05 |
| | 4 | 6.15 | 23.42 | | 5 | 13.19 | 18.05 |
| | 5 | 0.00 | 24.00 | | 6 | NA | NA |
| | 6 | 6.15 | 23.42 | | 7 | NA NA | NA |
| | 7 | | | | 8 | | |
| | | 6.15 | 24.00 | | | NA NA | NA |
| | 8 | 6.15 | 23.42 | | 9 | NA NA | NA |
| | 9 | 14.00 | 20.11 | | 10 | NA | NA |
| | 10 | 14.00 | 20.11 | | 11 | NA | NA |
| | 11 | 14.00 | 20.11 | - 1- 11- 1 | | | |
| | | | | 8/24/2010 | | | NA |
| 5/16/2010 | 1 | 17.05 | 21.05 | | 2 | | 11.13 |
| | 2 | 5.50 | 23.21 | | 3 | | NA |
| | 3 | 5.50 | 23.21 | | 4 | | NA |
| | 4 | 5.50 | 23.21 | | 5 | | 24.00 |
| | 5 | 0.00 | 24.00 | | 6 | | NA |
| | 6 | 5.50 | 23.21 | | 7 | | NA |
| | 7 | 0.00 | 23.21 | | 8 | NA | NA |
| | 8 | 5.50 | 21.05 | | 9 | NA | NA |
| | 9 | 17.05 | 21.05 | | 10 | NA | NA |
| | 10 | 17.05 | 21.05 | | 11 | NA | NA |
| | 11 | 17.05 | 21.05 | | | | |
| | | | | 8/25/2010 | 1 | 11.02 | 20.12 |
| 5/17/2010 | 1 | NA | NA | | 2 | | 24.00 |
| | 2 | 0.00 | 24.00 | | 3 | | 20.12 |
| | 3 | 6.00 | 24.00 | | 4 | | NA |
| | 4 | 6.00 | 24.00 | | 5 | | 20.12 |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine End |
|-------------|-------------|---------------|----------------|-----------|-------------|---------------|-------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 5 | 0.00 | 24.00 | | 6 | NA | NA |
| | 6 | 6.00 | 24.00 | | 7 | NA | NA |
| | 7 | 6.00 | 24.00 | | 8 | 13.00 | 20.12 |
| | 8 | 6.00 | 24.00 | | 9 | 13.00 | 20.12 |
| | 9 | 10.53 | 20.59 | | 10 | NA | NA |
| | 10 | 10.53 | 20.59 | | 11 | NA | NA |
| | 11 | 10.53 | 20.59 | | | | |
| | | | | 8/26/2010 | 1 | NA | NA |
| 5/18/2010 | 1 | 13.17 | 22.25 | | 2 | 0.00 | 24.00 |
| | 2 | 0.00 | 24.00 | | 3 | 15.18 | 19.11 |
| | 3 | 0.00 | 3.05 | | 4 | 15.18 | 19.11 |
| | 3 | 13.17 | 22.25 | | 5 | NA | NA |
| | 4 | 0.00 | 3.05 | | 6 | NA | NA |
| | 4 | 13.17 | 22.25 | | 7 | 15.18 | 19.11 |
| | 5 | 0.00 | 24.00 | | 8 | 16.08 | 18.00 |
| | 6 | 0.00 | 3.05 | | 9 | 16.08 | 18.00 |
| | 6 | 12.59 | 24.00 | | 10 | NA | NA |
| | 7 | 0.00 | 3.05 | | 11 | NA | NA |
| | 7 | 12.59 | 24.00 | | | | |
| | 8 | 0.00 | 3.05 | 8/27/2010 | 1 | NA | NA |
| | 8 | 12.59 | 24.00 | | 2 | 0.00 | 24.00 |
| | 9 | 12.59 | 22.25 | | 3 | 16.02 | 24.00 |
| | 10 | 13.17 | 22.25 | | 4 | 16.02 | 24.00 |
| | 11 | 13.17 | 22.25 | | 5 | NA | NA |
| | | | | | 6 | NA | NA |
| 5/19/2010 | 1 | NA | NA | | 7 | NA | NA |
| 0, 10, 2010 | 2 | 0.00 | 24.00 | | 8 | NA | NA |
| | 3 | 13.05 | 21.00 | | 9 | NA | NA |
| | 4 | 13.05 | 21.00 | | 10 | 19.25 | 21.15 |
| | 5 | 0.00 | 24.00 | | 11 | NA | NA |
| | 6 | 0.00 | 1.05 | | | | |
| | 6 | 8.05 | 21.00 | 8/28/2010 | 1 | NA | NA |
| | 7 | 0.00 | 1.05 | 0,-0,-0 | 2 | 0.00 | 24.00 |
| | 7 | 8.05 | 21.00 | | 3 | | 0.12 |
| | 8 | 0.00 | 1.05 | | 4 | 0.00 | 0.12 |
| | 8 | 13.05 | 21.00 | | 5 | | NA |
| | 9 | 13.05 | 21.00 | | 6 | NA | NA |
| | 10 | NA | NA NA | | 7 | NA | NA |
| | 11 | 13.05 | 21.00 | | 8 | NA | NA |
| | | .0.00 | 200 | | 9 | NA | NA |
| 5/20/2010 | 1 | 13.16 | 15.06 | | 10 | 8.49 | 11.17 |
| 3,23,2010 | 1 | 19.25 | 22.05 | | 10 | 16.22 | 24.00 |
| | 2 | 0.00 | 24.00 | | 11 | NA | NA |
| | 3 | 13.06 | 15.06 | | | | 7.57.5 |
| | 3 | 19.25 | 22.05 | 8/29/2010 | 1 | NA | NA |
| | 4 | 13.06 | 15.06 | 0,20,2010 | 2 | 0.00 | 24.00 |
| | 4 | 19.25 | 22.05 | | 3 | | 20.16 |
| | 5 | 0.00 | 24.00 | | 4 | 11.14 | 20.16 |
| | 6 | 8.09 | 22.05 | | 5 | 11.14 | 20.16 |
| | 7 | 8.09 | 15.58 | | 6 | | 20.16 NA |
| | 7 | 19.25 | | | 7 | NA NA | NA NA |
| | 8 | 8.09 | 22.05 15.58 | | 8 | 15.04 | 19.00 |

| Date | Unit Number 8 | Time | Time | Date | I India Niconala a m | Time | |
|------------|------------------|-------|-------|-----------|----------------------|-------|-------|
| | 8 | | | Date | Unit Number | Time | Time |
| | | 19.25 | 22.05 | | 9 | NA | NA |
| | 9 | 8.09 | 15.06 | | 10 | 0.00 | 1.48 |
| | 9 | 19.25 | 22.05 | | 11 | NA | NA |
| | 10 | 13.16 | 13.18 | | | | |
| | 10 | 16.49 | 16.56 | 8/30/2010 | 1 | 12.12 | 19.15 |
| | 11 | 13.06 | 15.58 | | 2 | 0.00 | 24.00 |
| | 11 | 19.25 | 22.05 | | 3 | NA | NA |
| | | | | | 4 | 12.12 | 19.15 |
| 5/21/2010 | 1 | 14.07 | 22.17 | | 5 | 12.12 | 19.15 |
| | 2 | 0.00 | 24.00 | | 6 | 14.12 | 18.30 |
| | 3 | 14.07 | 22.17 | | 7 | 14.12 | 18.30 |
| | 4 | 14.07 | 22.17 | | 8 | 12.12 | 19.15 |
| | 5 | 0.00 | 24.00 | | 9 | 14.12 | 19.15 |
| | 6 | 9.10 | 22.21 | | 10 | 14.12 | 18.30 |
| | 7 | 9.10 | 22.21 | | 11 | 14.12 | 18.30 |
| | 8 | 9.10 | 22.21 | | | | |
| | 9 | 9.10 | 22.17 | 8/31/2010 | 1 | 14.11 | 18.02 |
| | 10 | 14.07 | 22.17 | | 2 | 0.00 | 24.00 |
| | 11 | 14.07 | 22.21 | | 3 | NA | NA |
| | | | | | 4 | 14.11 | 18.02 |
| 5/22/2010 | 1 | 12.00 | 21.50 | | 5 | 14.11 | 18.02 |
| | 2 | 0.00 | 24.00 | | 6 | NA | NA |
| | 3 | 12.00 | 21.50 | | 7 | NA | NA |
| | 4 | 12.00 | 21.50 | | 8 | 14.11 | 18.02 |
| | 5 | 0.00 | 24.00 | | 9 | NA | NA |
| | 6 | 12.00 | 21.50 | | 10 | NA | NA |
| | 7 | NA | NA | | 11 | NA | NA |
| | 8 | 12.00 | 21.50 | | | | |
| | 9 | 12.00 | 21.50 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 5/23/2010 | 1 | NA | NA | | | | |
| 0,10,10,10 | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 10.00 | 21.44 | | | | |
| | 7 | 10.00 | 21.44 | | | | |
| | 8 | 10.00 | 21.44 | | | | |
| | 9 | 10.00 | 13.30 | | | | |
| | 9 | 18.12 | 21.44 | | | | |
| | 10 | NA | NA NA | | | | |
| | 11 | NA NA | NA NA | | | | |
| | | 1 1/1 | 14/1 | | | | |
| 5/24/2010 | 1 | NA | NA | | | | |
| 3/2-1/2010 | 2 | 0.00 | 24.00 | | | | |
| | 3 | 12.05 | 21.55 | | | | |
| | 4 | 12.05 | 21.55 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | | | | | | | |
| 1 | 6 | 12.05 | 21.55 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-----------|------------------|-----------------------|---------------------|------|-------------|-----------------------|---------------------|
| | 7 | 12.05 | 21.55 | | | | |
| | 7 | 22.22 | 24.00 | | | | |
| | 8 | 12.05 | 21.55 | | | | |
| | 8 | 22.33 | 24.00 | | | | |
| | 9 | 12.05 | 21.55 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 12.05 | 21.55 | | | | |
| | | 12.00 | 21.00 | | | | |
| 5/25/2010 | 1 | 20.13 | 23.52 | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 12.10 | 24.00 | | | | |
| | 4 | 12.10 | 24.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 0.00 | 0.01 | | | | |
| | 6 7 7 8 | 8.07 | 24.00 | | | | |
| | | 0.00 | 0.01 | | | | |
| | | 8.07 | 24.00 | | | | |
| | | 0.00 | 0.01 | | | | |
| | 8 | 12.10 | 24.00 | | | | |
| | 9 | 12.10 | 23.52 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 12.10 | 23.52 | | | | |
| | | | | | | | |
| 5/26/2010 | 1 | 15.32 | 19.21 | | | | |
| 0/20/2010 | 2 | 0.00 | 24.00 | | | | |
| | 3 | 0.00 | 0.03 | | | | |
| | 3 | 13.10 | 22.22 | | | | |
| | 4 | 0.00 | 0.03 | | | | |
| | 4 | 13.10 | 22.22 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | | | | | | | |
| | 6 | 0.00 | 0.03 | | | | |
| | 6 | 9.34 | 22.22 | | | | |
| | 7 | 0.00 | 0.03 | | | | |
| | 7 | 9.34 | 22.22 | | | | |
| | 8 | 0.00 | 0.03 | | | | |
| | 8 | 9.34 | 22.22 | | | | |
| | 9 | 14.09 | 19.21 | | | | |
| | 10 | 15.32 | 19.21 | | | | |
| | 11 | 13.10 | 19.21 | | | | |
| : | | | | | | | |
| 5/27/2010 | 1 | 16.11 | 21.00 | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 14.06 | 22.07 | | | | |
| | 4 | 14.06 | 22.07 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 13.57 | 22.07 | | | | |
| | 7 | 13.57 | 22.07 | | | | |
| | 8 | 14.06 | 21.00 | | | | |
| | 9 | 14.06 | 21.00 | | | | |
| | 10 | 14.06 | 21.00 | | | | |
| | 11 | 14.06 | 21.00 | | | | |
| | | | · | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-----------|----------------|-----------------------|---------------------|------|-------------|-----------------------|---------------------|
| 5/28/2010 | 1 | NA | NA | 24.0 | 0 | | |
| 0/20/2010 | 2 | 0.00 | 24.00 | | | | |
| | 3 | 15.16 | 20.38 | | | | |
| | 4 | 15.16 | 20.38 | | | | |
| | - 5 | 0.00 | 24.00 | | | | |
| | | | | | | | |
| | 6 7 | 11.00 | 20.38 | | | | |
| | | 11.00 | 20.38 | | | | |
| | 8 | 11.00 | 20.38 | | | | |
| | 9 | 15.16 | 20.38 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 5/29/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 13.05 | 21.00 | | | | |
| | 7 | 13.04 | 21.00 | | | | |
| | 8 | 13.04 | 21.00 | | | | |
| | 9 | 15.42 | 18.58 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 5/30/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 16.13 | 19.12 | | | | |
| | 4 | 16.13 | 19.12 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 14.34 | 19.12 | | | | |
| | 7 | 14.34 | 19.12 | | | | |
| | 8 | 14.34 | 19.12 | | | | |
| | 9 | 15.09 | 19.12 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 15.09 | 19.12 | | | | |
| | 11 | 13.09 | 19.12 | | | | |
| 5/31/2010 | 1 | 15.59 | 20.02 | | | | |
| 3/31/2010 | 2 | | | | | | |
| | | 0.00 | 24.00 | | | | |
| | 3 | 15.59 | 20.02 | | | | |
| | 4 | 15.59 | 20.02 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 14.14 | 20.02 | | | | |
| | 7 | 14.14 | 20.02 | | | | |
| | 8 | 14.14 | 20.02 | | | | |
| | 9 | 15.59 | 20.02 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 15.59 | 20.02 | | | | |
| | | | | | | | |
| 6/1/2010 | 1 | 14.10 | 16.59 | | | | |
| | 2 | 0.00 | 0.12 | | | | |
| | 2 | 0.36 | 24.00 | | | | |
| | 3 | 12.38 | 20.04 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine En |
|----------|-------------|-----------------------|---------------------|------|--------------|-----------------------|------------|
| Date | | | | Date | Offic Number | Time | Tillic |
| | 4 | 12.38 | 20.04 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 12.29 | 20.04 | | | | |
| | 7 | 12.29 | 20.04 | | | | |
| | 8 | 12.38 | 20.04 | | | | |
| | 9 | 12.38 | 20.04 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 12.38 | 20.04 | | | | |
| 6/0/0040 | 4 | 1115 | 17.05 | | | | |
| 6/2/2010 | 1 | 14.15 | 17.25 | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 14.15 | 17.25 | | | | |
| | 4 | 14.15 | 17.25 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 7 | 12.25 | 19.57 | | | | |
| | 8 | 12.25 | 19.57 | | | | |
| | | 12.25 | 19.57 | | | | |
| | 9 | 12.25 | 19.57 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 14.15 | 17.25 | | | | |
| | | | | | | | |
| 6/3/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 12.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | 11.53 | 19.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 11.53 | 24.00 | | | | |
| | 7 | 11.53 | 19.00 | | | | |
| | 8 | 11.53 | 19.00 | | | | |
| | 9 | 11.53 | 19.00 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 11.53 | 19.00 | | | | |
| | | | | | | | |
| 6/4/2010 | 1 | NA | NA | | | | |
| | 2 | NA | NA | | | | |
| | 3 | NA | NA | | | | |
| | 4 | 14.14 | 19.01 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 0.00 | 24.00 | | | | |
| | 7 | 14.10 | 19.01 | | | | |
| | 8 | 14.25 | 19.01 | | | | |
| | 9 | 14.10 | 19.01 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 6/5/2010 | 1 | 12.59 | 19.11 | | | | |
| | 2 | 17.09 | 24.00 | | | | |
| | 3 | 12.59 | 19.11 | | | | |
| | 4 | 13.59 | 19.11 | | | | |
| | 5 | 0.00 | 24.00 | 1 | | | |
| | 6 | 0.00 | 0.17 | | | | |
| | 6 | 2.56 | 19.11 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine En Time |
|----------|-------------|-----------------------|---------------------|------|-------------|-----------------------|--------------------|
| | 7 | 13.59 | 19.11 | | | | |
| | 8 | 12.59 | 19.11 | | | | |
| | 9 | 1.41 | 2.59 | | | | |
| | 9 | 13.59 | 19.11 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 0.15 | 1.42 | | | | |
| | 11 | 17.09 | 19.11 | | | | |
| 6/6/2010 | 1 | NA | NA | | | | |
| 0,0,20.0 | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 12.00 | 19.00 | | | | |
| | 7 | 12.00 | 19.00 | | | | |
| | 8 | 12.00 | 19.00 | | | | |
| | 9 | 15.58 | 19.00 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| 6/7/2010 | 1 | NA | NA | | | | |
| 0/1/2010 | 2 | 0.00 | 7.33 | | | | |
| | 2 | | | | | | |
| | 3 | 16.07 16.07 | 24.00 18.00 | | | | |
| | 4 | 12.55 | 18.00 | | | | |
| | | | | | | | |
| | 5 6 | 0.00 7.31 | 24.00 20.00 | | | | |
| | 7 | 12.55 | 20.00 | | | | |
| | 8 | 14.11 | 20.00 | | | | |
| | 9 | 14.11 | 18.00 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 15.24 | 20.00 | | | | |
| 6/8/2010 | 1 | NIA | NΙΔ | | | | |
| 0/0/2010 | 2 | NA 0.00 | NA 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | NA NA | NA NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 15.31 | 17.01 | | | | |
| | 7 | 14.00 | 17.01 | | | | |
| | 8 | 15.31 | 17.01 | | | | |
| | 9 | NA | NA | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| 6/9/2010 | 1 | NA | NA | | | | |
| 0/3/2010 | 2 | | | | | | |
| | 3 | 0.00 | 24.00 | | | | |
| | 4 | 15.03 | 21.00 | | | | |
| | 5 | 15.03 | 21.00 | | | | |
| | | 0.00 | 24.00 | | | | |
| | 6 7 | 14.00 14.00 | 21.00 21.00 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-------------|-------------|-----------------------|---------------------|------|---------------|-----------------------|---------------------|
| Date | | | | Date | Offic (Number | Time | Tillio |
| | 8 | 14.00 | 20.00 | | | | |
| | 9 | 15.03 | 20.00 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| 6/10/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 15.30 | 22.05 | | | | |
| | 4 | 8.16 | 9.03 | | | | |
| | 4 | 15.30 | 22.05 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 15.30 | 22.05 | | | | |
| | 7 | 8.08 | 9.03 | | | | |
| | 7 | 15.30 | 22.05 | | | | |
| | 8 | 15.30 | 22.05 | | | | |
| | 9 | 1.53 | 22.05 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 6/11/2010 | 1 | 13.53 | 15.53 | | | | |
| 0, 11, 2010 | 2 | 0.00 | 24.00 | | | | |
| | 3 | 13.53 | 22.17 | | | | |
| | 4 | 12.57 | 22.17 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 12.57 | 22.17 | | | | |
| | 7 | 12.57 | 22.17 | | | | |
| | 8 | 12.57 | 22.17 | | | | |
| | 9 | 12.57 | 21.10 | | | | |
| | 10 | 12.57 | 21.10 | | | | |
| | 11 | 12.57 | 21.10 | | | | |
| | | 12.01 | 21.10 | | | | |
| 6/12/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 14.00 | 20.10 | | | | |
| | 4 | 14.00 | 20.10 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 13.09 | 20.10 | | | | |
| | 7 | 13.09 | 20.10 | | | | |
| | 8 | 13.09 | 18.00 | | | | |
| | 9 | 14.00 | 18.00 | | | | |
| | 10 | 14.00 | 18.00 | | | | |
| | 11 | 14.00 | 18.00 | | | | |
| | | | | | | | |
| 6/13/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | 13.59 | 22.53 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 13.59 | 21.59 | | | | |
| | 7 | 13.59 | 21.31 | | | | |
| | 8 | 13.59 | 21.59 | | | | |
| | 9 | 13.59 | 21.39 | | | | |

| | | Turbine Start | | | | Turbine Start | |
|-----------|-------------|---------------|-------------|------|-------------|---------------|------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 10 | 13.59 | 21.29 | | | | |
| | 11 | 13.59 | 21.29 | | | | |
| | | | | | | | |
| 6/14/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 11.08 | 23.07 | | | | |
| | 4 | 11.08 | 23.07 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 11.08 | 23.07 | | | | |
| | 7 | 11.08 | 23.07 | | | | |
| | 8 | 11.08 | 21.32 | | | | |
| | 9 | NA | NA | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 6/15/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 7.06 | 20.00 | | | | |
| | 4 | 7.06 | 20.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 7.06 | 20.00 | | | | |
| | 7 | 7.06 | 20.00 | | | | |
| | 8 | 7.06 | 19.05 | | | | |
| | 9 | NA | NA | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | 10.1 | 1471 | | | | |
| 6/16/2010 | 1 | NA | NA | | | | |
| 0/10/2010 | 2 | 0.00 | 24.00 | | | | |
| | 3 | 7.15 | 17.30 | | | | |
| | 4 | 7.14 | 17.30 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | NA | NA | | | | |
| | 7 | NA | NA | | | | |
| | 8 | 7.15 | 17.30 | | | | |
| | 9 | 7.15 | 17.30 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA NA | NA NA | | | | |
| | 11 | INA | INA | | | | |
| 6/17/2010 | 4 | NA | NA | | | | |
| 0/1//2010 | 2 | | 24.00 | | | | |
| | | 0.00 | | | | | |
| | 3 | NA NA | NA NA | | | | |
| | 4 | NA 0.00 | NA 24.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 8.06 | 17.56 | | | | |
| | 7 | 8.06 | 17.56 | | | | |
| | 8 | 8.06 | 17.56 | | | | |
| | 9 | 8.06 | 17.56 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| 6/18/2010 | 1 | 16.26 | 19.01 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-----------|-------------|-----------------------|---------------------|------|-------------|-----------------------|---------------------|
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 13.03 | 16.17 | | | | |
| | 4 | 13.03 | 19.01 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 13.03 | 19.01 | | | | |
| | 7 | 13.03 | 19.01 | | | | |
| | 8 | NA | NA | | | | |
| | 9 | 14.57 | 19.01 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA NA | NA NA | | | | |
| | 11 | INA | INA | | | | |
| 6/19/2010 | 1 | NA | NA | | | | |
| 6/19/2010 | 1 | | | | | | |
| | 3 | 0.00 NA | 24.00 NA | | | | |
| | | | | | | | |
| | 4 | 12.12 | 19.02 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | NA | NA | | | | |
| | 7 | 12.07 | 19.02 | | | | |
| | 8 | 12.07 | 19.02 | | | | |
| | 9 | NA | NA | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 6/20/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 13.50 | 19.00 | | | | |
| | 7 | 13.50 | 19.00 | | | | |
| | 8 | 13.50 | 19.00 | | | | |
| | 9 | 17.17 | 19.00 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 15.57 | 19.00 | | | | |
| | | | | | | | |
| 6/21/2010 | 1 | 15.00 | 19.00 | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 15.00 | 19.00 | | | | |
| | 4 | 15.00 | 19.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 14.10 | 20.01 | | | | |
| | 7 | 14.10 | 20.01 | | | | |
| | 8 | 14.10 | 20.01 | + | | | |
| | 9 | 14.10 | 19.00 | 1 | | | |
| | 10 | NA | NA | 1 | | | |
| | | 14.21 | | | | | |
| | 11 | 14.21 | 19.00 | + | | | |
| 6/00/0040 | 4 | 45 57 | 40.00 | 1 | | | |
| 6/22/2010 | 1 | 15.57 | 18.00 | 1 | | | |
| | 2 | 0.00 | 24.00 | 1 | | | |
| | 3 | 15.57 | 18.00 | 1 | | | |
| | 4 | 15.57 | 18.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-----------|-------------|-----------------------|---------------------|------|-------------|-----------------------|---------------------|
| Date | 6 | 15.05 | 18.00 | Date | OTHE HUMBON | | |
| | 7 | 15.05 | 18.00 | | | | |
| | 8 | 15.05 | 18.00 | | | | |
| | 9 | 15.57 | 18.00 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 15.57 | 18.00 | | | | |
| | 11 | 15.57 | 16.00 | | | | |
| 6/23/2010 | 1 | 14.55 | 18.11 | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 14.55 | 16.01 | | | | |
| | 4 | 14.55 | 16.01 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 14.55 | 19.03 | | | | |
| | 7 | 14.55 | 16.01 | | | | |
| | 8 | 14.55 | 16.01 | | | | |
| | 9 | 14.55 | 16.01 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 14.55 | 18.11 | | | | |
| | | | | | | | |
| 6/24/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 13.52 | 19.49 | | | | |
| | 7 | 13.52 | 19.49 | | | | |
| | 8 | 13.52 | 19.00 | | | | |
| | 9 | 17.30 | 19.00 | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 17.30 | 19.00 | | | | |
| 6/25/2010 | 1 | NA | NA | | | | |
| 0/20/2010 | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | 14.09 | 20.00 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | NA | NA | | | | |
| | 7 | 14.09 | 19.05 | | | | |
| | 8 | NA | NA | | | | |
| | 9 | NA NA | NA NA | | | | |
| | 10 | | NA NA | | | | |
| | 11 | NA NA | NA NA | | | | |
| | 11 | INA | INA | | | | |
| 6/26/2010 | 1 | NA | NA | | | | |
| 5555 | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | NA | 24.00 NA | | | | |
| | 7 | 15.32 | 18.02 | | | | |
| | 8 | 15.32 NA | NA | | | | |
| | 9 | NA NA | NA NA | | | | |

| Date | Unit Number | Turbine Start Time | Turbine End Time | Date | Unit Number | Turbine Start Time | Turbine End Time |
|-----------|-------------|-----------------------|---------------------|------|-------------|-----------------------|---------------------|
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 6/27/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 15.42 | 20.12 | | | | |
| | 4 | 15.42 | 20.12 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 15.08 | 19.11 | | | | |
| | 6 | 21.30 | 22.09 | | | | |
| | 7 | 15.08 | 19.11 | | | | |
| | 7 | 21.30 | 22.09 | | | | |
| | 8 | 15.42 | 19.11 | | | | |
| | 8 | 21.30 | 22.09 | | | | |
| | 9 | 15.42 | 19.11 | | | | |
| | 10 | NA | NA | | | | |
| | | 15.42 | | | | | |
| | 11 | 15.42 | 19.11 | | | | |
| 0/00/0040 | 4 | NIA. | NIA | | | | |
| 6/28/2010 | 1 | NA 0.00 | NA 04.00 | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 14.03 | 21.10 | | | | |
| | 7 | 14.03 | 21.10 | | | | |
| | 8 | 15.13 | 19.17 | | | | |
| | 9 | NA | NA | | | | |
| | 10 | NA | NA | | | | |
| | 11 | 15.13 | 16.57 | | | | |
| | | | | | | | |
| 6/29/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | 15.07 | 17.56 | | | | |
| | 4 | 15.07 | 17.56 | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | NA | NA | | | | |
| | 7 | NA | NA | | | | |
| | 8 | NA | NA | | | | |
| | 9 | NA | NA | | | | |
| | 10 | NA | NA | | | | |
| | 11 | NA | NA | | | | |
| | | | | | | | |
| 6/30/2010 | 1 | NA | NA | | | | |
| | 2 | 0.00 | 24.00 | | | | |
| | 3 | NA | NA | | | | |
| | 4 | NA | NA | | | | |
| | 5 | 0.00 | 24.00 | | | | |
| | 6 | 15.10 | 18.03 | | | | |
| | 7 | 15.10 | 17.02 | | | | |
| | 8 | | | | | | |
| | | 15.56 | 17.02 | | | | |
| | 9 | NA NA | NA | | | | |
| | 10 | NA | NA | | | | |

| | | Turbine Start | Turbine End | | | Turbine Start | Turbine En |
|------|-------------|---------------|-------------|------|-------------|---------------|------------|
| Date | Unit Number | Time | Time | Date | Unit Number | Time | Time |
| | 11 | NA | NA | | | | |