

Glendale River Daily Water Temperature 1998 to 2003

T. Sweeten

Fisheries and Ocean Canada
Science Branch, Pacific Region
Pacific Biological Station
Nanaimo, British Columbia
V9T 6N7

2004

**Canadian Data Report of
Fisheries and Aquatic Sciences 1134**

Canadian Technical Report of
Fisheries and Aquatic Sciences 1134

2004

GLENDALE RIVER DAILY WATER TEMPERATURE 1998 TO 2003

by

T. Sweeten

Fisheries and Oceans Canada
Science Branch, Pacific Region
Pacific Biological Station
Nanaimo, British Columbia
V9T 6N7

© Her Majesty the Queen in Right of Canada, 2004.
Cat. No. Fs 97-13/1134E ISSN 0706-6465

Correct citation for this publication:

Sweeten, T. 2004. Glendale River daily water temperature, 1998-2003. Can. Data Rep. Fish. Aquat. Sci. 1134: v + 47 p.

Table of Contents

| | |
|--|-----|
| Table of Contents | iii |
| List of Tables | iv |
| List of Figures | iv |
| Abstract | v |
| Résumé | v |
| 1 Introduction | 1 |
| 2 Methods | 1 |
| 2.1 Study Area | 1 |
| 2.2 Site Description | 2 |
| 2.3 Equipment | 2 |
| 2.4 Temperature Logger Calibration | 2 |
| 2.5 Data Handling | 2 |
| 3 Results | 4 |
| 3.1 Yearly Summaries | 4 |
| 4 Acknowledgements | 9 |
| 5 Data Access | 9 |
| Appendices | 11 |

List of Tables

| | |
|---|---|
| Table 1 Temperature Logger Locations..... | 2 |
| Table 2 Terms used in Yearly Summaries..... | 4 |
| Table 3 Period of Data Collection for Year Summaries..... | 4 |
| Table 4 Glendale Lake Water Temperatures | 5 |
| Table 5 Glendale Spawning Channel Water Temperatures..... | 6 |

List of Figures

| | |
|---|---|
| Figure 1 Study Area | 1 |
| Figure 2 Glendale Lake Water Temperatures..... | 7 |
| Figure 3 Glendale Channel Water Temperatures..... | 8 |

ABSTRACT

Sweeten, T. 2004. Glendale River daily water temperature, 1998-2003. Can. Data Rep. Fish. Aquat. Sci. 1134: v + 47 p.

In 1998, as part of a study to observe the effects of high water temperature on the maturation of salmonid adults and egg development, water temperature loggers were used to determine the temperature regime in the Glendale River system. Water temperatures were recorded every 15 minutes at the head of the Glendale spawning channel and the outlet of Glendale Lake. This report summarises temperature data from October 1998 to November 2003 for the Glendale spawning channel and from October 2000 to October 2003 for the outlet of Glendale Lake. The data are presented in both daily and monthly mean, minimum and maximum formats.

RÉSUMÉ

Sweeten, T. 2004. Glendale River daily water temperature, 1998-2003. Can. Data Rep. Fish. Aquat. Sci. 1134: v + 47 p.

En 1998, dans le cadre d'une étude visant à observer les effets d'une température élevée sur la maturation des salmonidés adultes et le développement des œufs, nous avons installé des enregistreurs chronologiques de la température de l'eau pour établir le régime thermique du réseau de la rivière Glendale. Les températures de l'eau ont été enregistrées à toutes les 15 minutes au fond du chenal de fraye de la Glendale et à la sortie du lac Glendale. Ce rapport synthétise les données sur la température allant d'octobre 1998 à novembre 2003 pour le chenal de fraye, et d'octobre 2000 à octobre 2003 pour l'émissaire du lac Glendale. Les données sont présentées sous la forme des moyennes, des minimums et des maximums quotidiens et mensuels.

1 Introduction

In 1998, as part of a study to observe the effects of high water temperature on the maturation of salmonid adults and egg development, water temperature loggers were used to determine the temperature regime in the Glendale River system. This work was initiated by W.E. McLean (Habitat Enhancement Branch, Pacific Region). Onset temperature loggers were used for the collection of data over long time periods with high temporal resolution. In this report the data summaries are collected from the outlet of Glendale Lake (#1, Fig. 1) and the inlet of Glendale Spawning Channel (#2, Fig. 1; water supply from Tom Browne Lake).

2 Methods

2.1 Study Area

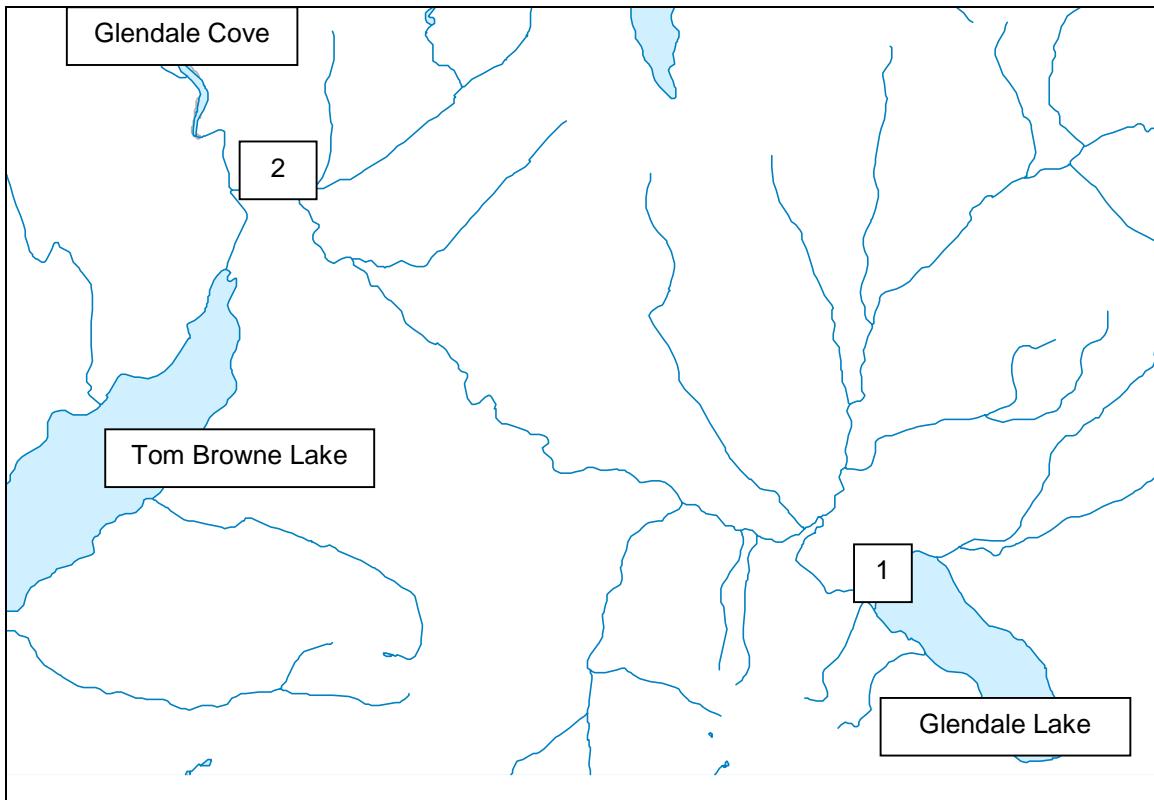


Figure 1 Study Area

Glendale Spawning Channel is a Fisheries and Oceans Canada, Habitat and Enhancement Branch Pink Salmon spawning channel located in Knight Inlet, on the south coast of British Columbia, Canada.

2.2 Site Description

The latitude-longitude coordinates and placement descriptions, for the two sampling locations, are listed in Table 1.

Table 1 Temperature Logger Locations

| Site Number | Site Name | Spatial Location | Logger Location |
|-------------|------------------|--------------------------------------|---|
| 1 | Glendale Lake | Lat W 125.645024 Long N 50.650656 | Temperature logger mounted at outlet of fishway on DFO weir at the outlet of the lake. |
| 2 | Glendale Channel | Lat W 125.722159 Long N 50.651121 | Temperature logger is mounted on diffuser box at the inlet to the Glendale Spawning Channel |

2.3 Equipment

Onset Stowaway and Tidbit temperature loggers manufactured by the Onset Corporation of Pacasset Massachusetts were used in this study. These loggers are waterproof and communicate to the base station and/or a data shuttle by an infrared link. The Tidbit loggers were set to log a temperature value every fifteen minutes starting at the top of the hour, or ninety-six samples per day. In the first two years of the study Stowaway units were used. They have a temperature range of -4C to 38 C, a resolution 0.16 C and a memory capacity of 8192 bytes. At a fifteen-minute logging interval this gives an 82-day deployment time. The Tidbit has a temperature range of -4C to 37 C, a resolution 0.16 C and a memory capacity of 32768 bytes. With a fifteen-minute logging interval, the deployment time is ten and a half months. To collect the data in the field, an Onset Optic Shuttle was used. This unit downloads data from the logger and restarts it. The shuttle can hold the contents of four fully loaded Tidbits (128 K bytes). The contents of both the shuttle and logger can be downloaded at the base station attached to a Windows-based computer.

2.4 Temperature Logger Calibration

All temperature loggers were calibrated before and after being placed in the field. Loggers were also recalibrated every two years while in service. To calibrate a logger, it was set to record every minute and placed in a temperature-controlled water bath. The water bath temperature was increased from 1 C to 30 C in 3-degree intervals, with temperature being held for 30 minutes each interval. At the end of the interval the temperature was recorded with a standardized thermometer. After calibration, the logger was downloaded and a linear regression was applied to the data to determine a correction factor. In most cases the R² was greater than 95%; anything less and the temperature logger was recalibrated. If a logger was placed in the field without being calibrated it was noted in the monthly summary as uncorrected. This only happened at the beginning of the study.

2.5 Data Handling

Data were generally downloaded monthly from all loggers using the Optic Shuttle in the field. The raw DTF file (original file format that the logger uses) was converted by the Onset

software Boxcar 4.0 to a text file. At this time the DTF files were given a unique file name and stored in a data archive. Boxcar 4.0 corrects for Daylight Saving Time; this change was noted in the monthly summaries. The text file was imported in to a customized Access 2.0 Database called Watprobe (MicroCoast Solutions, Nanaimo BC). This custom database was written to maintain and manage the large amount of data from these loggers. The data were imported into the database and edited for any known data errors (e.g. the probe out of the water before and after deployment or at time of download). Watprobe produces an Excel file with the Daily Mean, Minimum, Maximum, Standard Deviation and Number of Samples taken per day. These data were calibrated to give corrected temperatures and were appended to the master Excel spreadsheet for each site. This master spreadsheet was used to determine the monthly and yearly summaries.

3 Results

3.1 Yearly Summaries

Descriptions of terms used in the yearly temperature summaries are listed in Table 2. The periods of data collection for each location are listed in Table 3. Table 4 lists monthly summaries of temperatures at the outlet of Glendale lake, while Table 5 lists monthly summaries of temperatures at the inflow to the Glendale spawning channel. A more detailed description of the temperature regimes for the two sample locations is illustrated in Figs 2 and 3; showing daily means, minima, and maxima. The Appendices (Appendix A: Glendale Lake temperatures and Appendix B: Glendale Channel temperatures) list the data plotted in Figs 2 and 3.

Table 2 Terms used in Yearly Summaries

| | |
|----------|--|
| Max Mean | Monthly Average of Daily Maximum Water Temperature |
| Min Mean | Monthly Average of Daily Minimum Water Temperature |
| Mean | Monthly Average of Daily Mean Water Temperature |
| N | Number of days in the Month |
| Max | Maximum Water Temperature for the Month |
| Min | Minimum Water Temperature for the Month |

Table 3 Period of Data Collection for Yearly Summaries

| Site Name | Period of Data Collection |
|------------------|-------------------------------|
| Glendale Lake | October 2000 to October 2003 |
| Glendale Channel | October 1998 to November 2003 |

Table 4 Glendale Lake Water Temperatures

| Glendale Lake | | | | | | | | | | | | | |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Month | Jan-2000 | Feb-2000 | Mar-2000 | Apr-2000 | May-2000 | Jun-2000 | Jul-2000 | Aug-2000 | Sep-2000 | Oct-2000 | Nov-2000 | Dec-2000 | |
| Max Mean | | | | | | | | | | 11.66 | 9.28 | 6.63 | |
| Min Mean | | | | | | | | | | 9.20 | 6.07 | 2.45 | |
| Mean | | | | | | | | | | 10.28 | 7.41 | 4.38 | |
| N | | | | | | | | | | 20 | 30 | 31 | |
| max | | | | | | | | | | 11.91 | 9.44 | 6.83 | |
| min | | | | | | | | | | 8.38 | 5.59 | 1.38 | |
| Month | Jan-2001 | Feb-2001 | Mar-2001 | Apr-2001 | May-2001 | Jun-2001 | Jul-2001 | Aug-2001 | Sep-2001 | Oct-2001 | Nov-2001 | Dec-2001 | |
| Max Mean | 4.35 | 4.11 | 6.29 | 8.98 | 12.87 | 17.99 | 20.85 | 19.89 | 16.30 | 12.88 | 8.46 | 5.69 | |
| Min Mean | 3.37 | 1.82 | 3.83 | 5.32 | 8.23 | 11.87 | 17.38 | 15.69 | 12.99 | 8.46 | 5.81 | 3.54 | |
| Mean | 3.88 | 3.49 | 4.82 | 7.49 | 10.56 | 14.94 | 18.44 | 17.23 | 14.91 | 10.56 | 7.50 | 4.68 | |
| N | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | |
| max | 4.51 | 4.97 | 6.68 | 10.22 | 15.01 | 19.79 | 22.91 | 21.25 | 16.90 | 13.51 | 8.87 | 5.95 | |
| min | 2.63 | 0.58 | 3.43 | 4.51 | 7.61 | 11.30 | 16.58 | 14.23 | 12.69 | 8.07 | 5.63 | 3.31 | |
| Month | Jan-2002 | Feb-2002 | Mar-2002 | Apr-2002 | May-2002 | Jun-2002 | Jul-2002 | Aug-2002 | Sep-2002 | Oct-2002 | Nov-2002 | Dec-2002 | |
| Max Mean | 4.93 | 4.17 | 5.37 | 10.53 | 14.57 | 20.39 | 20.14 | 20.60 | 18.13 | 13.97 | 9.16 | 7.07 | |
| Min Mean | 3.12 | 3.12 | 2.93 | 4.93 | 10.77 | 12.75 | 16.50 | 17.28 | 13.90 | 8.75 | 6.70 | 4.45 | |
| Mean | 4.12 | 3.77 | 4.02 | 7.12 | 12.87 | 16.56 | 18.38 | 18.75 | 15.93 | 12.12 | 8.09 | 6.02 | |
| N | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | |
| max | 5.17 | 4.56 | 6.10 | 12.90 | 16.64 | 22.82 | 21.65 | 22.15 | 19.53 | 14.29 | 9.34 | 7.30 | |
| min | 2.52 | 2.95 | 2.19 | 4.24 | 9.80 | 12.13 | 15.49 | 16.80 | 13.51 | 8.58 | 6.52 | 4.04 | |
| Month | Jan-2003 | Feb-2003 | Mar-2003 | Apr-2003 | May-2003 | Jun-2003 | Jul-2003 | Aug-2003 | Sep-2003 | Oct-2003 | Nov-2003 | Dec-2003 | |
| Max Mean | 5.42 | 5.47 | 6.44 | 13.35 | 14.94 | 19.38 | 21.48 | 21.39 | 18.54 | 15.70 | | | |
| Min Mean | 4.05 | 4.19 | 3.52 | 5.92 | 9.65 | 14.25 | 18.26 | 15.05 | 14.69 | 12.11 | | | |
| Mean | 4.83 | 4.97 | 5.30 | 7.56 | 12.40 | 16.96 | 19.65 | 19.51 | 16.46 | 13.92 | | | |
| N | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 14 | | | |
| max | 5.60 | 6.07 | 6.83 | 16.43 | 16.75 | 17.07 | 23.27 | 22.60 | 19.48 | 16.28 | | | |
| min | 3.58 | 3.89 | 2.94 | 5.60 | 8.84 | 7.92 | 16.91 | 14.08 | 14.08 | 11.92 | | | |

Table 5 Glendale Spawning Channel Water Temperatures

| Month | Jan-1998 | Feb-1998 | Mar-1998 | Apr-1998 | May-1998 | Jun-1998 | Jul-1998 | Aug-1998 | Sep-1998 | Oct-1998 | Nov-1998 | Dec-1998 |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Max Mean | | | | | | | | | | 15.36 | 10.28 | 6.61 |
| Min Mean | | | | | | | | | | 10.31 | 6.75 | 4.52 |
| Mean | | | | | | | | | | 12.46 | 8.25 | 5.61 |
| N | | | | | | | | | | 31 | 30 | 31 |
| max | | | | | | | | | | 16.22 | 10.46 | 6.75 |
| min | | | | | | | | | | 10.31 | 6.75 | 4.41 |
| Month | Jan-1999 | Feb-1999 | Mar-1999 | Apr-1999 | May-1999 | Jun-1999 | Jul-1999 | Aug-1999 | Sep-1999 | Oct-1999 | Nov-1999 | Dec-1999 |
| Max Mean | 4.75 | 4.15 | 5.15 | 11.29 | 13.85 | 17.07 | 20.22 | 21.12 | 17.86 | 14.22 | 9.33 | 6.52 |
| Min Mean | 3.83 | 3.72 | 3.99 | 4.93 | 9.61 | 13.17 | 14.80 | 18.05 | 14.40 | 9.56 | 6.64 | 4.99 |
| Mean | 4.38 | 3.92 | 4.47 | 7.39 | 11.89 | 15.51 | 17.40 | 19.49 | 16.40 | 12.11 | 7.50 | 5.71 |
| N | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 |
| max | 4.88 | 4.41 | 5.50 | 13.09 | 15.11 | 18.13 | 20.56 | 21.90 | 18.78 | 14.96 | 10.05 | 7.11 |
| min | 3.78 | 3.47 | 3.78 | 4.56 | 9.06 | 12.63 | 14.48 | 17.17 | 14.01 | 9.46 | 6.51 | 4.96 |
| Month | Jan-2000 | Feb-2000 | Mar-2000 | Apr-2000 | May-2000 | Jun-2000 | Jul-2000 | Aug-2000 | Sep-2000 | Oct-2000 | Nov-2000 | Dec-2000 |
| Max Mean | 5.01 | 3.92 | 7.50 | 9.86 | 15.50 | 19.11 | 21.68 | 20.42 | 17.93 | 15.64 | 10.40 | 7.05 |
| Min Mean | 3.35 | 3.25 | 3.61 | 4.85 | 8.23 | 13.48 | 17.06 | 17.26 | 15.67 | 10.55 | 6.85 | 3.91 |
| Mean | 4.12 | 3.60 | 4.59 | 7.91 | 11.87 | 15.53 | 18.88 | 19.07 | 16.67 | 12.90 | 8.30 | 5.39 |
| N | 31 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 |
| max | 5.55 | 4.61 | 8.35 | 10.36 | 15.97 | 19.98 | 22.62 | 21.28 | 20.47 | 16.25 | 10.46 | 7.20 |
| min | 3.07 | 3.07 | 3.23 | 4.45 | 7.42 | 12.22 | 16.45 | 17.08 | 14.66 | 10.46 | 6.74 | 3.29 |
| Month | Jan-2001 | Feb-2001 | Mar-2001 | Apr-2001 | May-2001 | Jun-2001 | Jul-2001 | Aug-2001 | Sep-2001 | Oct-2001 | Nov-2001 | Dec-2001 |
| Max Mean | 4.73 | 4.50 | 5.92 | 9.91 | 13.51 | 17.72 | 20.11 | 20.95 | 18.01 | 14.60 | 8.20 | 6.37 |
| Min Mean | 4.19 | 3.68 | 4.23 | 5.77 | 8.89 | 13.08 | 17.62 | 16.71 | 14.92 | 11.70 | 6.82 | 4.76 |
| Mean | 4.43 | 4.11 | 4.85 | 8.01 | 10.94 | 15.42 | 18.69 | 18.14 | 16.71 | 13.29 | 7.67 | 5.51 |
| N | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 18 | 11 | 31 |
| max | 4.86 | 5.01 | 6.42 | 10.93 | 14.04 | 20.11 | 20.76 | 21.42 | 18.48 | 15.62 | 8.29 | 6.58 |
| min | 3.92 | 3.29 | 3.76 | 5.01 | 8.45 | 12.64 | 17.04 | 16.41 | 14.51 | 11.70 | 6.42 | 4.54 |
| Month | Jan-2002 | Feb-2002 | Mar-2002 | Apr-2002 | May-2002 | Jun-2002 | Jul-2002 | Aug-2002 | Sep-2002 | Oct-2002 | Nov-2002 | Dec-2002 |
| Max Mean | 5.26 | 4.46 | 4.50 | 10.26 | 14.86 | 19.17 | 20.74 | 20.29 | 19.48 | 14.69 | 9.98 | 7.65 |
| Min Mean | 3.86 | 3.96 | 3.31 | 4.21 | 8.20 | 13.58 | 16.79 | 18.59 | 15.04 | 10.25 | 7.44 | 5.30 |
| Mean | 4.71 | 4.26 | 3.87 | 6.12 | 12.18 | 16.71 | 18.48 | 19.17 | 16.98 | 12.88 | 8.83 | 6.60 |
| N | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 |
| max | 5.33 | 4.70 | 5.01 | 12.32 | 15.62 | 19.79 | 21.58 | 21.58 | 20.11 | 15.19 | 10.52 | 7.68 |
| min | 3.61 | 3.76 | 2.81 | 3.92 | 6.74 | 11.70 | 16.41 | 17.84 | 14.54 | 9.90 | 7.37 | 5.20 |
| Month | Jan-2003 | Feb-2003 | Mar-2003 | Apr-2003 | May-2003 | Jun-2003 | Jul-2003 | Aug-2003 | Sep-2003 | Oct-2003 | Nov-2003 | Dec-2003 |
| Max Mean | 5.80 | 5.57 | 6.64 | 9.89 | 14.38 | 18.43 | 20.05 | 21.70 | 18.43 | 15.48 | 8.72 | |
| Min Mean | 4.72 | 4.94 | 4.21 | 6.20 | 10.48 | 13.60 | 18.28 | 17.82 | 15.02 | 8.13 | 6.96 | |
| Mean | 5.31 | 5.24 | 5.55 | 7.52 | 12.43 | 16.88 | 19.08 | 20.03 | 16.72 | 12.94 | 7.56 | |
| N | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 19 | |
| max | 5.97 | 5.81 | 7.06 | 11.52 | 15.87 | 19.22 | 20.99 | 22.48 | 19.70 | 16.58 | 8.98 | |
| min | 4.41 | 4.57 | 4.10 | 5.65 | 9.51 | 12.30 | 17.77 | 17.29 | 14.38 | 7.44 | 6.82 | |

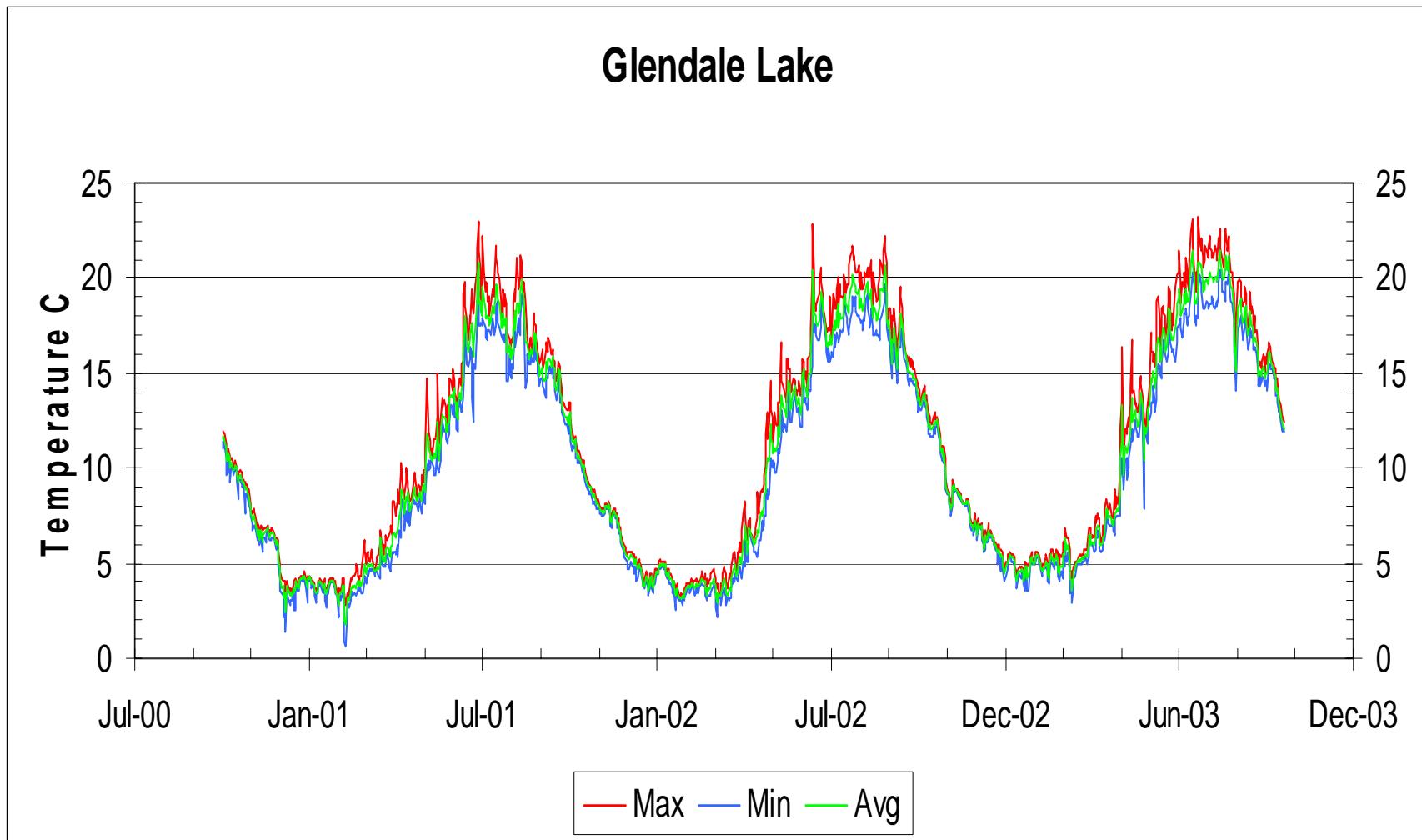


Figure 2 Glendale Lake Water Temperatures

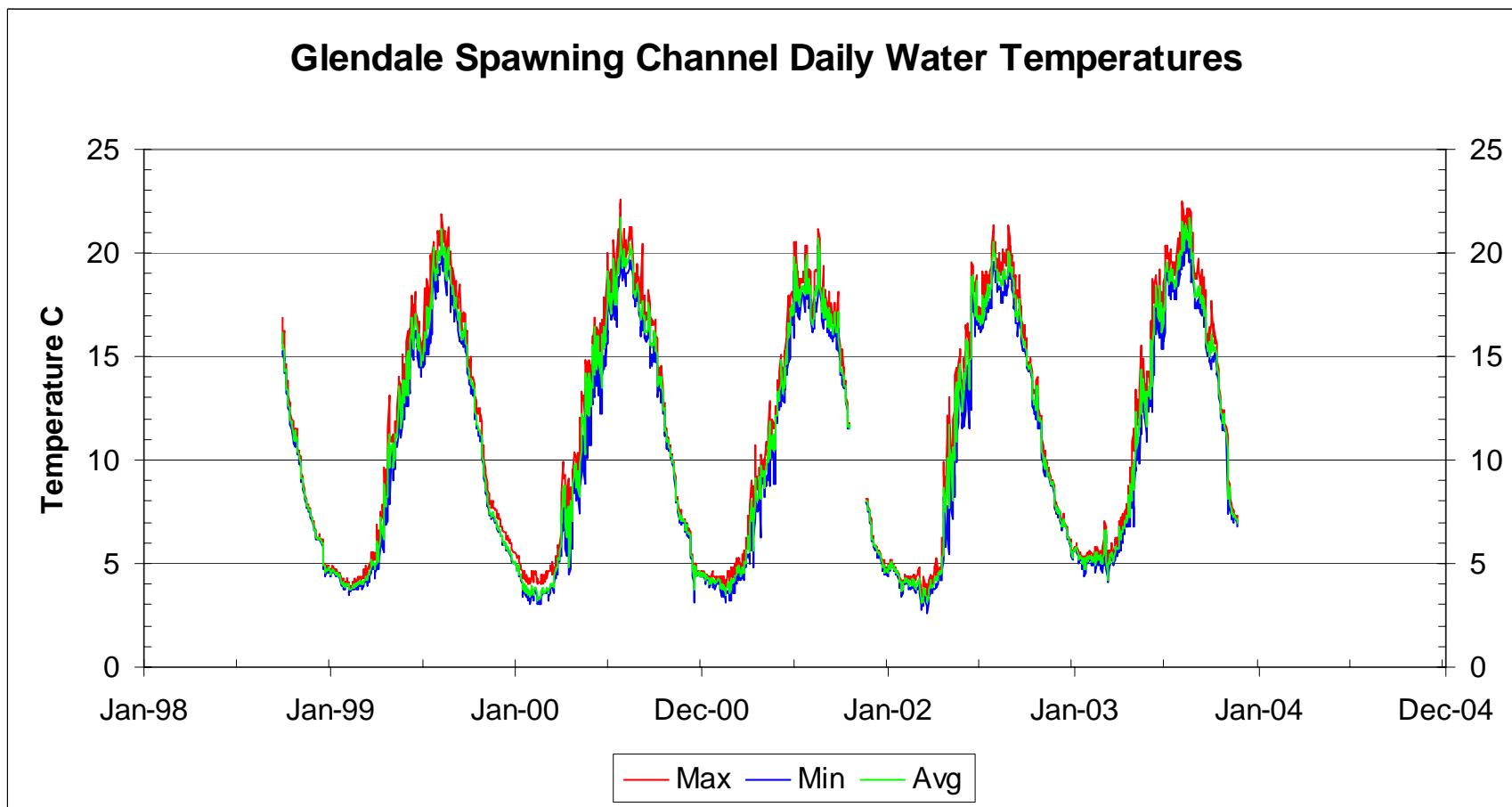


Figure 3 Glendale Channel Water Temperatures

4 Acknowledgements

The author wishes to thank Chris Beggs and the staff of Puntledge Hatchery for collecting the data from the data loggers on their trips the spawning channel, John Jensen and Bill Mclean for their support over the years, Brian Pearce for funding in the early years, and Bonnie Antcliffe's encouragement in the later years of the study.

5 Data Access

To request detailed temperature data records (i.e. with 15-minute intervals) please email the author at Sweetent@pac.dfo-mpo.gc.ca.

Appendices

Quarterly Summaries

Terms used in the summary; explained

| | |
|---------------------|--|
| Max | Average Daily Maximum Water Temperature |
| Min | Average Daily Minimum Water Temperature |
| Mean | Average Daily Water Temperature |
| N | Number of samples taken that day |
| Stdev | Standard Deviation of the samples |
| Longitude | Longitude of the Temperature Logger: Degrees Minutes |
| Latitude | Latitude of the Temperature Logger: Degrees Minutes |
| UTM E | Universal Transverse Mercator East Grid Location |
| UTM N | Universal Transverse Mercator North Grid Location |
| Calibration Date | Date the Temperature Logger was calibrated |
| Correction Factor a | Y intercept for the correction equation |
| Correction Factor b | Slope for the correction equation |

Period of Data Collection

| Site Name | Appendix | Period of Data Collection |
|------------------|----------|-------------------------------|
| Glendale Lake | A | October 2000 to October 2003 |
| Glendale Channel | B | October 1998 to November 2003 |

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | |
|------------------------|-------|-------|-------|-------|----------------------|-----------|------------|------|------|-------------------------------|-------|-------|----------|------------|----------------------------|------|------|-------|-------|----------|
| Longitude W 125 38.701 | | | | | Latitude N 50 39.039 | | | | | Temperature Logger | | | | | Calibration Date 17-Feb-00 | | | | | |
| | | | | | Onset Tidbit | | | | | a= 0.071110212 | | | | | b= 0.9958748 | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 10/1/2000 | | | | | | | 11/1/2000 | 9.29 | 8.98 | 9.21 | 0.09 | 96 | | 12/1/2000 | 6.68 | 6.22 | 6.56 | 0.14 | 96 | |
| 10/2/2000 | | | | | | | 11/2/2000 | 9.44 | 9.14 | 9.28 | 0.14 | 96 | | 12/2/2000 | 6.83 | 6.37 | 6.63 | 0.14 | 96 | |
| 10/3/2000 | | | | | | | 11/3/2000 | 9.29 | 8.98 | 9.23 | 0.09 | 96 | | 12/3/2000 | 6.68 | 6.37 | 6.54 | 0.09 | 96 | |
| 10/4/2000 | | | | | | | 11/4/2000 | 9.29 | 7.61 | 8.86 | 0.44 | 96 | | 12/4/2000 | 6.52 | 6.22 | 6.37 | 0.13 | 96 | |
| 10/5/2000 | | | | | | | 11/5/2000 | 9.14 | 8.68 | 8.95 | 0.10 | 96 | | 12/5/2000 | 6.37 | 6.06 | 6.16 | 0.10 | 96 | |
| 10/6/2000 | | | | | | | 11/6/2000 | 9.14 | 8.68 | 8.90 | 0.16 | 96 | | 12/6/2000 | 6.22 | 5.75 | 5.96 | 0.09 | 96 | |
| 10/7/2000 | | | | | | | 11/7/2000 | 8.98 | 8.53 | 8.73 | 0.08 | 96 | | 12/7/2000 | 6.37 | 6.06 | 6.23 | 0.10 | 96 | |
| 10/8/2000 | | | | | | | 11/8/2000 | 8.82 | 8.07 | 8.51 | 0.19 | 96 | | 12/8/2000 | 6.22 | 5.75 | 5.99 | 0.13 | 96 | |
| 10/9/2000 | | | | | | | 11/9/2000 | 8.07 | 7.76 | 7.87 | 0.12 | 96 | | 12/9/2000 | 5.75 | 4.82 | 5.20 | 0.26 | 96 | |
| 10/10/2000 | | | | | | | 11/10/2000 | 7.76 | 7.46 | 7.63 | 0.09 | 96 | | 12/10/2000 | 4.97 | 4.19 | 4.72 | 0.22 | 96 | |
| 10/11/2000 | | | | | | | 11/11/2000 | 7.76 | 7.15 | 7.40 | 0.21 | 96 | | 12/11/2000 | 4.51 | 3.58 | 4.13 | 0.26 | 96 | |
| 10/12/2000 | 11.91 | 11.00 | 11.56 | 0.27 | 53 | Installed | 11/12/2000 | 7.61 | 6.68 | 7.28 | 0.21 | 96 | | 12/12/2000 | 4.19 | 3.43 | 3.72 | 0.28 | 96 | |
| 10/13/2000 | 11.91 | 11.45 | 11.66 | 0.16 | 96 | | 11/13/2000 | 7.92 | 6.99 | 7.50 | 0.33 | 96 | | 12/13/2000 | 4.04 | 3.27 | 3.79 | 0.24 | 96 | |
| 10/14/2000 | 11.76 | 11.15 | 11.40 | 0.20 | 96 | | 11/14/2000 | 7.76 | 6.99 | 7.44 | 0.17 | 96 | | 12/14/2000 | 4.04 | 2.15 | 3.12 | 0.57 | 96 | |
| 10/15/2000 | 11.30 | 10.54 | 10.99 | 0.20 | 96 | | 11/15/2000 | 7.30 | 6.68 | 7.04 | 0.17 | 96 | | 12/15/2000 | 4.04 | 2.95 | 3.45 | 0.34 | 96 | |
| 10/16/2000 | 10.85 | 9.60 | 10.38 | 0.36 | 96 | | 11/16/2000 | 6.68 | 6.22 | 6.46 | 0.10 | 96 | | 12/16/2000 | 3.43 | 1.38 | 2.45 | 0.80 | 96 | |
| 10/17/2000 | 10.85 | 9.75 | 10.43 | 0.39 | 96 | | 11/17/2000 | 7.15 | 6.37 | 6.75 | 0.26 | 96 | | 12/17/2000 | 3.89 | 3.43 | 3.62 | 0.16 | 96 | |
| 10/18/2000 | 11.00 | 10.54 | 10.78 | 0.13 | 96 | | 11/18/2000 | 6.83 | 6.37 | 6.67 | 0.13 | 96 | | 12/18/2000 | 4.04 | 3.43 | 3.79 | 0.17 | 96 | |
| 10/19/2000 | 10.69 | 10.22 | 10.55 | 0.12 | 96 | | 11/19/2000 | 6.52 | 5.91 | 6.17 | 0.19 | 96 | | 12/19/2000 | 3.74 | 3.11 | 3.53 | 0.16 | 96 | |
| 10/20/2000 | 10.38 | 9.29 | 10.07 | 0.29 | 96 | | 11/20/2000 | 6.99 | 6.52 | 6.75 | 0.20 | 96 | | 12/20/2000 | 3.58 | 2.79 | 3.24 | 0.22 | 96 | |
| 10/21/2000 | 10.54 | 10.22 | 10.28 | 0.09 | 96 | | 11/21/2000 | 6.99 | 6.22 | 6.71 | 0.24 | 96 | | 12/21/2000 | 3.74 | 3.11 | 3.40 | 0.20 | 96 | |
| 10/22/2000 | 10.22 | 9.75 | 9.92 | 0.16 | 96 | | 11/22/2000 | 6.68 | 5.59 | 6.07 | 0.35 | 96 | | 12/22/2000 | 3.58 | 3.11 | 3.35 | 0.16 | 96 | |
| 10/23/2000 | 10.07 | 9.60 | 9.93 | 0.14 | 96 | | 11/23/2000 | 6.68 | 6.37 | 6.53 | 0.13 | 96 | | 12/23/2000 | 3.58 | 3.43 | 3.47 | 0.06 | 96 | |
| 10/24/2000 | 10.22 | 9.91 | 10.03 | 0.13 | 96 | | 11/24/2000 | 6.83 | 6.37 | 6.65 | 0.17 | 94 | | 12/24/2000 | 3.89 | 3.43 | 3.65 | 0.13 | 96 | |
| 10/25/2000 | 10.38 | 9.91 | 10.09 | 0.16 | 96 | | 11/25/2000 | 6.83 | 6.06 | 6.67 | 0.21 | 96 | | 12/25/2000 | 4.04 | 2.48 | 3.40 | 0.41 | 96 | |
| 10/26/2000 | 10.07 | 9.91 | 9.99 | 0.08 | 96 | | 11/26/2000 | 6.83 | 6.52 | 6.66 | 0.12 | 96 | | 12/26/2000 | 4.19 | 2.48 | 3.73 | 0.55 | 96 | |
| 10/27/2000 | 9.75 | 9.44 | 9.63 | 0.10 | 96 | | 11/27/2000 | 6.99 | 6.83 | 6.86 | 0.06 | 96 | | 12/27/2000 | 4.19 | 3.89 | 4.04 | 0.03 | 96 | |
| 10/28/2000 | 9.60 | 8.38 | 9.20 | 0.35 | 96 | | 11/28/2000 | 6.83 | 6.52 | 6.73 | 0.07 | 96 | | 12/28/2000 | 3.89 | 3.58 | 3.82 | 0.11 | 96 | |
| 10/29/2000 | 9.75 | 9.44 | 9.54 | 0.12 | 100 | Standard | 11/29/2000 | 6.52 | 6.22 | 6.38 | 0.11 | 96 | | 12/29/2000 | 3.89 | 3.58 | 3.69 | 0.10 | 96 | |
| 10/30/2000 | 9.91 | 9.44 | 9.65 | 0.19 | 96 | | 11/30/2000 | 6.68 | 6.22 | 6.46 | 0.11 | 96 | | 12/30/2000 | 4.19 | 3.74 | 4.02 | 0.14 | 96 | |
| 10/31/2000 | 9.75 | 9.14 | 9.44 | 0.14 | 96 | | | | | | | | | 12/31/2000 | 4.35 | 4.19 | 4.20 | 0.04 | 96 | |
| Oct-2000 | Max | Min | Mean | Stdev | N | | Nov-2000 | Max | Min | Mean | Stdev | N | | Dec-2000 | Max | Min | Mean | Stdev | N | |
| Max | 11.91 | 11.45 | 11.66 | 0.39 | 100.00 | | Max | 9.44 | 9.14 | 9.28 | 0.44 | 96.00 | | Max | 6.83 | 6.37 | 6.63 | 0.80 | 96.00 | |
| Min | 9.60 | 8.38 | 9.20 | 0.08 | 53.00 | | Min | 6.52 | 5.59 | 6.07 | 0.06 | 94.00 | | Min | 3.43 | 1.38 | 2.45 | 0.03 | 96.00 | |
| Mean | 10.55 | 9.93 | 10.28 | 0.19 | 94.05 | | Mean | 7.66 | 7.09 | 7.41 | 0.17 | 95.93 | | Mean | 4.70 | 4.01 | 4.38 | 0.21 | 96.00 | |
| N | 20 | 20 | 20 | 20 | 20 | | N | 30 | 30 | 30 | 30 | 30 | | N | 31 | 31 | 31 | 31 | 31 | |

Comments: Onset Tidbit 304568 install at the Outlet Wier of Glendale Lake
October 29 2000 change to Standard Time

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | |
|------------------------|------|------|------|-------|----------------------|----------|-----------|------|------|--------------------|-------------------------------|-------|----------------------------|-----------|------|------|------|-------|-------|----------|--|
| Longitude W 125 38.701 | | | | | Latitude N 50 39.039 | | | | | Temperature Logger | | | Calibration Date 17-Feb-00 | | | | | | | | |
| | | | | | | | | | | Onset Tidbit | | | a= 0.071110212 | | | | | | | | |
| | | | | | | | | | | 304568 | | | b= 0.9958748 | | | | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | |
| 1/1/2001 | 4.35 | 4.19 | 4.24 | 0.07 | 96 | | 2/1/2001 | 4.19 | 4.04 | 4.09 | 0.07 | 96 | | 3/1/2001 | 4.35 | 3.74 | 3.93 | 0.21 | 96 | | |
| 1/2/2001 | 4.35 | 4.04 | 4.21 | 0.07 | 96 | | 2/2/2001 | 4.19 | 4.04 | 4.11 | 0.07 | 96 | | 3/2/2001 | 4.04 | 3.58 | 3.83 | 0.21 | 96 | | |
| 1/3/2001 | 4.35 | 4.19 | 4.27 | 0.08 | 96 | | 2/3/2001 | 4.19 | 3.89 | 4.01 | 0.10 | 96 | | 3/3/2001 | 4.35 | 3.89 | 4.07 | 0.17 | 96 | | |
| 1/4/2001 | 4.19 | 4.04 | 4.17 | 0.05 | 96 | | 2/4/2001 | 4.04 | 3.89 | 3.96 | 0.08 | 96 | | 3/4/2001 | 4.35 | 3.43 | 3.87 | 0.34 | 96 | | |
| 1/5/2001 | 4.51 | 4.19 | 4.35 | 0.09 | 96 | | 2/5/2001 | 4.04 | 3.58 | 3.84 | 0.09 | 96 | | 3/5/2001 | 4.51 | 3.43 | 3.86 | 0.40 | 96 | | |
| 1/6/2001 | 4.19 | 3.74 | 4.04 | 0.11 | 96 | | 2/6/2001 | 3.89 | 3.43 | 3.54 | 0.14 | 96 | | 3/6/2001 | 5.28 | 3.43 | 4.18 | 0.66 | 96 | | |
| 1/7/2001 | 4.04 | 2.95 | 3.69 | 0.25 | 96 | | 2/7/2001 | 3.58 | 3.27 | 3.36 | 0.09 | 96 | | 3/7/2001 | 6.22 | 4.04 | 4.88 | 0.74 | 96 | | |
| 1/8/2001 | 4.35 | 4.04 | 4.22 | 0.11 | 96 | | 2/8/2001 | 3.27 | 2.15 | 2.81 | 0.32 | 96 | | 3/8/2001 | 5.75 | 4.35 | 4.94 | 0.45 | 96 | | |
| 1/9/2001 | 4.19 | 4.04 | 4.18 | 0.03 | 96 | | 2/9/2001 | 3.74 | 3.11 | 3.32 | 0.22 | 96 | | 3/9/2001 | 4.97 | 4.04 | 4.39 | 0.29 | 96 | | |
| 1/10/2001 | 4.35 | 4.04 | 4.25 | 0.10 | 96 | | 2/10/2001 | 3.58 | 3.27 | 3.47 | 0.10 | 96 | | 3/10/2001 | 5.44 | 3.89 | 4.59 | 0.57 | 96 | | |
| 1/11/2001 | 4.19 | 4.04 | 4.06 | 0.05 | 96 | | 2/11/2001 | 3.58 | 3.11 | 3.40 | 0.16 | 96 | | 3/11/2001 | 5.59 | 4.51 | 4.90 | 0.29 | 96 | | |
| 1/12/2001 | 4.04 | 3.74 | 3.91 | 0.10 | 96 | | 2/12/2001 | 3.89 | 3.27 | 3.52 | 0.23 | 96 | | 3/12/2001 | 5.28 | 4.35 | 4.84 | 0.30 | 96 | | |
| 1/13/2001 | 4.04 | 3.89 | 3.94 | 0.07 | 96 | | 2/13/2001 | 4.19 | 3.43 | 3.76 | 0.21 | 96 | | 3/13/2001 | 5.13 | 4.66 | 4.87 | 0.18 | 96 | | |
| 1/14/2001 | 3.89 | 3.43 | 3.76 | 0.12 | 96 | | 2/14/2001 | 4.19 | 3.58 | 3.86 | 0.16 | 96 | | 3/14/2001 | 5.75 | 4.51 | 4.98 | 0.48 | 96 | | |
| 1/15/2001 | 3.74 | 3.27 | 3.50 | 0.16 | 96 | | 2/15/2001 | 3.58 | 0.90 | 2.09 | 1.02 | 96 | | 3/15/2001 | 5.44 | 4.66 | 4.90 | 0.24 | 96 | | |
| 1/16/2001 | 3.74 | 2.95 | 3.45 | 0.14 | 96 | | 2/16/2001 | 2.79 | 0.58 | 1.82 | 0.79 | 96 | | 3/16/2001 | 4.97 | 4.66 | 4.86 | 0.09 | 96 | | |
| 1/17/2001 | 3.58 | 3.43 | 3.46 | 0.06 | 96 | | 2/17/2001 | 3.43 | 2.48 | 3.10 | 0.31 | 96 | | 3/17/2001 | 4.82 | 4.66 | 4.73 | 0.08 | 96 | | |
| 1/18/2001 | 3.74 | 3.43 | 3.60 | 0.10 | 96 | | 2/18/2001 | 3.43 | 2.95 | 3.21 | 0.13 | 96 | | 3/18/2001 | 4.66 | 4.35 | 4.60 | 0.08 | 96 | | |
| 1/19/2001 | 4.04 | 3.74 | 3.96 | 0.10 | 96 | | 2/19/2001 | 3.27 | 2.79 | 3.06 | 0.15 | 96 | | 3/19/2001 | 4.66 | 4.51 | 4.56 | 0.07 | 96 | | |
| 1/20/2001 | 4.04 | 3.89 | 4.03 | 0.04 | 96 | | 2/20/2001 | 3.58 | 2.63 | 3.06 | 0.37 | 96 | | 3/20/2001 | 5.13 | 4.51 | 4.74 | 0.22 | 96 | | |
| 1/21/2001 | 4.19 | 3.89 | 4.05 | 0.09 | 96 | | 2/21/2001 | 4.19 | 3.11 | 3.56 | 0.36 | 96 | | 3/21/2001 | 5.28 | 4.51 | 4.81 | 0.24 | 96 | | |
| 1/22/2001 | 4.04 | 3.74 | 3.93 | 0.09 | 96 | | 2/22/2001 | 4.04 | 3.58 | 3.74 | 0.18 | 96 | | 3/22/2001 | 5.44 | 4.35 | 4.68 | 0.37 | 96 | | |
| 1/23/2001 | 3.89 | 3.43 | 3.68 | 0.15 | 96 | | 2/23/2001 | 4.35 | 3.43 | 3.84 | 0.22 | 96 | | 3/23/2001 | 6.06 | 4.19 | 4.99 | 0.61 | 96 | | |
| 1/24/2001 | 3.89 | 3.58 | 3.71 | 0.13 | 96 | | 2/24/2001 | 4.35 | 3.27 | 3.71 | 0.34 | 96 | | 3/24/2001 | 6.68 | 5.91 | 6.29 | 0.29 | 96 | | |
| 1/25/2001 | 4.19 | 3.74 | 3.91 | 0.12 | 96 | | 2/25/2001 | 4.35 | 3.43 | 3.76 | 0.33 | 96 | | 3/25/2001 | 5.91 | 4.97 | 5.56 | 0.28 | 96 | | |
| 1/26/2001 | 3.74 | 3.11 | 3.43 | 0.15 | 96 | | 2/26/2001 | 4.51 | 3.27 | 3.72 | 0.43 | 96 | | 3/26/2001 | 5.91 | 4.97 | 5.41 | 0.31 | 96 | | |
| 1/27/2001 | 3.74 | 2.63 | 3.37 | 0.26 | 96 | | 2/27/2001 | 4.97 | 3.27 | 3.86 | 0.55 | 96 | | 3/27/2001 | 5.44 | 4.82 | 5.13 | 0.15 | 96 | | |
| 1/28/2001 | 3.74 | 3.27 | 3.55 | 0.15 | 96 | | 2/28/2001 | 4.66 | 3.58 | 4.09 | 0.25 | 96 | | 3/28/2001 | 5.91 | 4.82 | 5.27 | 0.38 | 96 | | |
| 1/29/2001 | 3.89 | 3.43 | 3.67 | 0.11 | 96 | | | | | | | | | 3/29/2001 | 5.44 | 4.82 | 5.13 | 0.19 | 96 | | |
| 1/30/2001 | 4.04 | 3.58 | 3.79 | 0.18 | 96 | | | | | | | | | 3/30/2001 | 6.52 | 4.97 | 5.67 | 0.57 | 96 | | |
| 1/31/2001 | 4.19 | 3.89 | 4.00 | 0.11 | 96 | | | | | | | | | 3/31/2001 | 6.22 | 5.44 | 5.80 | 0.23 | 96 | | |
| Jan-2001 | Max | Min | Mean | Stdev | N | | Feb-2001 | Max | Min | Mean | Stdev | N | | Mar-2001 | Max | Min | Mean | Stdev | N | | |
| | 4.51 | 4.19 | 4.35 | 0.26 | 96.00 | | | 4.97 | 4.04 | 4.11 | 1.02 | 96.00 | | | 6.68 | 5.91 | 6.29 | 0.74 | 96.00 | | |
| | 3.58 | 2.63 | 3.37 | 0.03 | 96.00 | | | 2.79 | 0.58 | 1.82 | 0.07 | 96.00 | | | 4.04 | 3.43 | 3.83 | 0.07 | 96.00 | | |
| Mean | 4.05 | 3.66 | 3.88 | 0.11 | 96.00 | | Mean | 3.93 | 3.12 | 3.49 | 0.27 | 96.00 | | Mean | 5.34 | 4.42 | 4.82 | 0.31 | 96.00 | | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 28 | 28 | 28 | 28 | 28 | | N | 31 | 31 | 31 | 31 | 31 | | |

Comments:

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------------|----------|-------------|--------------|-------|--|--|-------------------------------|-------|-------|-------|-------|-------|----------|-----------|-------|-------|-------|-------|-------|----------|
| Temperature Logger | | | | | | | | Temperature Correction Factor | | | | | | | | | | | | | |
| | | | | Onset Tidbit | | | | Calibration Date 17-Feb-00 | | | | | | | | | | | | | |
| | | | | 304568 | | | | a= 0.071110212 | | | | | | | | | | | | | |
| | | | | | | | | b= 0.9958748 | | | | | | | | | | | | | |
| Longitude | W 125 38.701 | Latitude | N 50 39.039 | UTM E | | | | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 4/1/2001 | 6.52 | 5.13 | 5.66 | 0.44 | 92 | | | 5/1/2001 | 8.53 | 8.07 | 8.23 | 0.14 | 96 | | 6/1/2001 | 12.54 | 11.30 | 11.87 | 0.44 | 96 | |
| 4/2/2001 | 6.52 | 4.82 | 5.40 | 0.52 | 96 | | | 5/2/2001 | 9.14 | 7.76 | 8.48 | 0.47 | 96 | | 6/2/2001 | 13.31 | 11.60 | 12.32 | 0.59 | 96 | |
| 4/3/2001 | 6.68 | 4.51 | 5.32 | 0.73 | 96 | | | 5/3/2001 | 8.98 | 8.53 | 8.71 | 0.13 | 96 | | 6/3/2001 | 13.16 | 11.76 | 12.42 | 0.42 | 96 | |
| 4/4/2001 | 6.99 | 4.82 | 5.82 | 0.84 | 96 | | | 5/4/2001 | 8.68 | 8.07 | 8.53 | 0.20 | 96 | | 6/4/2001 | 14.69 | 12.38 | 13.76 | 0.77 | 96 | |
| 4/5/2001 | 6.52 | 5.59 | 5.91 | 0.25 | 96 | | | 5/5/2001 | 9.14 | 7.61 | 8.30 | 0.42 | 96 | | 6/5/2001 | 14.54 | 13.31 | 13.89 | 0.43 | 96 | |
| 4/6/2001 | 8.22 | 5.44 | 6.47 | 0.96 | 96 | | | 5/6/2001 | 9.60 | 7.61 | 8.57 | 0.80 | 96 | | 6/6/2001 | 14.07 | 13.16 | 13.65 | 0.21 | 96 | |
| 4/7/2001 | 8.22 | 5.59 | 6.62 | 0.92 | 96 | | | 5/7/2001 | 9.29 | 8.98 | 9.13 | 0.13 | 96 | | 6/7/2001 | 15.17 | 12.85 | 13.83 | 0.85 | 96 | |
| 4/8/2001 | 7.46 | 5.59 | 6.37 | 0.52 | 96 | | | 5/8/2001 | 9.91 | 8.22 | 9.03 | 0.41 | 96 | | 6/8/2001 | 14.54 | 13.76 | 14.15 | 0.24 | 96 | |
| 4/9/2001 | 7.76 | 5.44 | 6.46 | 0.80 | 96 | | | 5/9/2001 | 9.75 | 8.07 | 8.77 | 0.54 | 96 | | 6/9/2001 | 13.92 | 12.69 | 13.47 | 0.32 | 96 | |
| 4/10/2001 | 8.22 | 5.91 | 6.74 | 0.72 | 96 | | | 5/10/2001 | 11.15 | 8.53 | 9.78 | 1.05 | 96 | | 6/10/2001 | 13.76 | 13.00 | 13.40 | 0.26 | 96 | |
| 4/11/2001 | 8.82 | 5.28 | 6.78 | 1.26 | 96 | | | 5/11/2001 | 14.69 | 10.07 | 11.78 | 1.56 | 96 | | 6/11/2001 | 13.62 | 12.07 | 12.81 | 0.44 | 96 | |
| 4/12/2001 | 8.07 | 6.68 | 7.45 | 0.45 | 96 | | | 5/12/2001 | 12.07 | 10.38 | 11.42 | 0.49 | 96 | | 6/12/2001 | 13.46 | 11.91 | 12.61 | 0.50 | 96 | |
| 4/13/2001 | 8.38 | 6.52 | 7.38 | 0.63 | 96 | | | 5/13/2001 | 11.91 | 9.91 | 11.07 | 0.70 | 96 | | 6/13/2001 | 14.07 | 13.00 | 13.51 | 0.38 | 96 | |
| 4/14/2001 | 9.91 | 6.37 | 8.06 | 1.32 | 96 | | | 5/14/2001 | 11.45 | 10.07 | 10.78 | 0.40 | 96 | | 6/14/2001 | 14.69 | 13.62 | 14.00 | 0.33 | 96 | |
| 4/15/2001 | 10.22 | 7.76 | 8.87 | 0.89 | 96 | | | 5/15/2001 | 10.85 | 10.38 | 10.59 | 0.15 | 96 | | 6/15/2001 | 14.38 | 13.00 | 13.62 | 0.47 | 96 | |
| 4/16/2001 | 8.98 | 8.38 | 8.74 | 0.18 | 96 | | | 5/16/2001 | 11.00 | 10.22 | 10.59 | 0.27 | 96 | | 6/16/2001 | 15.49 | 13.00 | 14.09 | 0.82 | 96 | |
| 4/17/2001 | 8.38 | 7.30 | 8.06 | 0.25 | 96 | | | 5/17/2001 | 10.69 | 10.22 | 10.39 | 0.12 | 96 | | 6/17/2001 | 15.64 | 13.76 | 14.58 | 0.73 | 96 | |
| 4/18/2001 | 8.68 | 6.68 | 7.66 | 0.71 | 96 | | | 5/18/2001 | 11.45 | 10.07 | 10.78 | 0.59 | 96 | | 6/18/2001 | 19.14 | 13.76 | 16.01 | 2.02 | 96 | |
| 4/19/2001 | 9.29 | 7.76 | 8.37 | 0.48 | 96 | | | 5/19/2001 | 11.60 | 9.60 | 10.54 | 0.55 | 96 | | 6/19/2001 | 19.79 | 16.11 | 17.88 | 1.37 | 96 | |
| 4/20/2001 | 10.07 | 7.30 | 8.55 | 0.77 | 96 | | | 5/20/2001 | 11.60 | 9.60 | 10.54 | 0.76 | 96 | | 6/20/2001 | 18.50 | 17.70 | 17.99 | 0.20 | 96 | |
| 4/21/2001 | 9.29 | 7.15 | 8.36 | 0.57 | 96 | | | 5/21/2001 | 12.69 | 11.15 | 11.70 | 0.59 | 96 | | 6/21/2001 | 17.86 | 15.64 | 16.91 | 0.76 | 96 | |
| 4/22/2001 | 8.98 | 8.53 | 8.72 | 0.12 | 96 | | | 5/22/2001 | 15.01 | 10.07 | 12.47 | 1.32 | 96 | | 6/22/2001 | 17.70 | 15.49 | 16.45 | 0.74 | 96 | |
| 4/23/2001 | 8.38 | 7.76 | 8.05 | 0.17 | 96 | | | 5/23/2001 | 11.30 | 9.75 | 10.39 | 0.48 | 96 | | 6/23/2001 | 16.74 | 15.33 | 16.12 | 0.49 | 96 | |
| 4/24/2001 | 8.22 | 6.99 | 7.73 | 0.39 | 96 | | | 5/24/2001 | 11.76 | 9.91 | 10.61 | 0.64 | 96 | | 6/24/2001 | 18.02 | 15.80 | 16.84 | 0.85 | 96 | |
| 4/25/2001 | 8.38 | 7.92 | 8.06 | 0.15 | 96 | | | 5/25/2001 | 12.69 | 10.38 | 11.48 | 0.70 | 96 | | 6/25/2001 | 17.70 | 16.42 | 17.06 | 0.39 | 96 | |
| 4/26/2001 | 8.98 | 8.07 | 8.56 | 0.24 | 96 | | | 5/26/2001 | 12.69 | 11.45 | 12.05 | 0.41 | 96 | | 6/26/2001 | 19.46 | 16.11 | 17.62 | 1.34 | 96 | |
| 4/27/2001 | 8.98 | 8.38 | 8.60 | 0.16 | 96 | | | 5/27/2001 | 13.76 | 12.23 | 12.87 | 0.55 | 96 | | 6/27/2001 | 18.66 | 13.76 | 17.60 | 0.73 | 96 | |
| 4/28/2001 | 9.75 | 8.22 | 8.98 | 0.60 | 96 | | | 5/28/2001 | 13.16 | 12.38 | 12.71 | 0.19 | 96 | | 6/28/2001 | 18.18 | 12.38 | 15.89 | 1.32 | 96 | |
| 4/29/2001 | 9.60 | 8.07 | 8.64 | 0.36 | 96 | | | 5/29/2001 | 13.62 | 11.91 | 12.67 | 0.55 | 96 | | 6/29/2001 | 18.18 | 15.49 | 16.48 | 0.75 | 96 | |
| 4/30/2001 | 8.82 | 8.07 | 8.36 | 0.24 | 96 | | | 5/30/2001 | 13.16 | 12.07 | 12.58 | 0.25 | 96 | | 6/30/2001 | 19.62 | 15.17 | 17.36 | 1.64 | 96 | |
| | | | | | | | | 5/31/2001 | 12.23 | 11.60 | 11.94 | 0.23 | 96 | | | | | | | | |
| Apr-2001 | Max | Min | Mean | Stdev | N | | | May-2001 | Max | Min | Mean | Stdev | N | | Jun-2001 | Max | Min | Mean | Stdev | N | |
| Max | 10.22 | 8.53 | 8.98 | 1.32 | 96.00 | | | Max | 15.01 | 12.38 | 12.87 | 1.56 | 96.00 | | Max | 19.79 | 17.70 | 17.99 | 2.02 | 96.00 | |
| Min | 6.52 | 4.51 | 5.32 | 0.12 | 92.00 | | | Min | 8.53 | 7.61 | 8.23 | 0.12 | 96.00 | | Min | 12.54 | 11.30 | 11.87 | 0.20 | 96.00 | |
| Mean | 8.44 | 6.73 | 7.49 | 0.55 | 95.87 | | | Mean | 11.41 | 9.83 | 10.56 | 0.51 | 96.00 | | Mean | 16.02 | 13.84 | 14.94 | 0.69 | 96.00 | |
| N | 30 | 30 | 30 | 30 | 30 | | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | |

Comments:

Monthly Daily Water Temperatures

Glendale Lake

Longitude W 125 38.701
Latitude N 50 39.039

Temperature Logger
Onset Tidbit
304568

Temperature Correction Factor
Calibration Date 17-Feb-00
a= 0.071110212
b= 0.9958748

| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | |
|-----------|-------|-------|-------|-------|-------|----------|-----------|-------|-------|-------|-------|-------|----------|-----------|-------|-------|-------|-------|-------|----------|--|
| 7/1/2001 | 20.27 | 17.38 | 18.69 | 0.94 | 96 | | 8/1/2001 | 18.66 | 17.22 | 17.88 | 0.36 | 96 | | 9/1/2001 | 16.90 | 15.80 | 16.30 | 0.30 | 96 | | |
| 7/2/2001 | 21.58 | 18.82 | 19.98 | 0.97 | 96 | | 8/2/2001 | 17.22 | 14.54 | 16.05 | 0.79 | 96 | | 9/2/2001 | 16.27 | 15.64 | 16.01 | 0.19 | 96 | | |
| 7/3/2001 | 22.91 | 19.30 | 20.85 | 1.33 | 96 | | 8/3/2001 | 17.06 | 14.54 | 16.15 | 0.68 | 96 | | 9/3/2001 | 16.11 | 15.01 | 15.57 | 0.37 | 96 | | |
| 7/4/2001 | 21.41 | 17.54 | 18.62 | 0.92 | 96 | | 8/4/2001 | 16.74 | 15.96 | 16.54 | 0.20 | 96 | | 9/4/2001 | 15.80 | 14.54 | 15.40 | 0.35 | 96 | | |
| 7/5/2001 | 20.43 | 17.54 | 18.78 | 0.98 | 96 | | 8/5/2001 | 16.11 | 15.01 | 15.89 | 0.33 | 96 | | 9/5/2001 | 15.49 | 14.38 | 14.84 | 0.37 | 96 | | |
| 7/6/2001 | 18.98 | 17.70 | 18.28 | 0.49 | 96 | | 8/6/2001 | 16.74 | 14.69 | 15.78 | 0.76 | 96 | | 9/6/2001 | 15.80 | 14.69 | 15.13 | 0.38 | 96 | | |
| 7/7/2001 | 18.50 | 17.54 | 17.98 | 0.32 | 96 | | 8/7/2001 | 16.58 | 15.49 | 16.21 | 0.25 | 96 | | 9/7/2001 | 16.27 | 14.69 | 15.33 | 0.46 | 96 | | |
| 7/8/2001 | 22.25 | 17.86 | 19.52 | 1.69 | 96 | | 8/8/2001 | 17.06 | 15.17 | 16.04 | 0.70 | 96 | | 9/8/2001 | 15.17 | 14.38 | 14.74 | 0.21 | 96 | | |
| 7/9/2001 | 20.27 | 17.70 | 18.87 | 0.85 | 96 | | 8/9/2001 | 18.82 | 15.80 | 17.22 | 1.22 | 96 | | 9/9/2001 | 15.64 | 14.07 | 14.62 | 0.50 | 96 | | |
| 7/10/2001 | 19.30 | 17.38 | 18.22 | 0.61 | 96 | | 8/10/2001 | 19.46 | 17.22 | 18.27 | 0.70 | 96 | | 9/10/2001 | 15.64 | 13.92 | 14.54 | 0.50 | 96 | | |
| 7/11/2001 | 19.79 | 16.90 | 17.92 | 0.98 | 96 | | 8/11/2001 | 18.82 | 16.42 | 17.30 | 0.73 | 96 | | 9/11/2001 | 16.27 | 13.76 | 14.78 | 0.92 | 96 | | |
| 7/12/2001 | 19.62 | 16.74 | 17.93 | 0.99 | 96 | | 8/12/2001 | 21.08 | 17.06 | 18.61 | 1.45 | 96 | | 9/12/2001 | 16.58 | 14.85 | 15.59 | 0.52 | 96 | | |
| 7/13/2001 | 18.82 | 17.22 | 17.96 | 0.54 | 96 | | 8/13/2001 | 19.62 | 17.86 | 18.60 | 0.56 | 96 | | 9/13/2001 | 16.11 | 14.69 | 15.21 | 0.49 | 96 | | |
| 7/14/2001 | 18.98 | 17.22 | 17.90 | 0.61 | 96 | | 8/14/2001 | 19.46 | 17.22 | 18.17 | 0.79 | 97 | | 9/14/2001 | 16.90 | 14.85 | 15.74 | 0.75 | 96 | | |
| 7/15/2001 | 18.02 | 17.22 | 17.57 | 0.25 | 96 | | 8/15/2001 | 20.11 | 17.06 | 18.44 | 1.13 | 96 | | 9/15/2001 | 16.58 | 15.33 | 15.79 | 0.37 | 96 | | |
| 7/16/2001 | 18.66 | 17.06 | 17.77 | 0.61 | 96 | | 8/16/2001 | 21.25 | 17.86 | 19.29 | 1.17 | 96 | | 9/16/2001 | 15.96 | 15.01 | 15.44 | 0.31 | 96 | | |
| 7/17/2001 | 18.66 | 17.06 | 17.88 | 0.54 | 96 | | 8/17/2001 | 20.76 | 19.14 | 19.89 | 0.50 | 96 | | 9/17/2001 | 15.96 | 15.01 | 15.40 | 0.33 | 96 | | |
| 7/18/2001 | 19.46 | 17.86 | 18.51 | 0.59 | 96 | | 8/18/2001 | 19.95 | 19.14 | 19.53 | 0.24 | 96 | | 9/18/2001 | 16.27 | 15.64 | 15.89 | 0.23 | 96 | | |
| 7/19/2001 | 18.98 | 17.22 | 18.12 | 0.62 | 96 | | 8/19/2001 | 19.30 | 18.34 | 18.90 | 0.29 | 96 | | 9/19/2001 | 15.80 | 14.69 | 15.36 | 0.38 | 95 | | |
| 7/20/2001 | 19.79 | 17.06 | 18.22 | 1.04 | 96 | | 8/20/2001 | 19.79 | 18.34 | 18.96 | 0.52 | 96 | | 9/20/2001 | 15.64 | 14.85 | 15.21 | 0.24 | 96 | | |
| 7/21/2001 | 21.75 | 17.54 | 19.25 | 1.55 | 96 | | 8/21/2001 | 18.82 | 14.23 | 16.61 | 1.48 | 96 | weather | 9/21/2001 | 15.01 | 14.07 | 14.31 | 0.23 | 96 | | |
| 7/22/2001 | 21.08 | 18.50 | 19.64 | 0.83 | 96 | | 8/22/2001 | 17.06 | 14.69 | 16.58 | 0.51 | 96 | | 9/22/2001 | 14.54 | 13.62 | 14.14 | 0.31 | 96 | | |
| 7/23/2001 | 20.60 | 18.82 | 19.59 | 0.60 | 96 | | 8/23/2001 | 16.90 | 15.96 | 16.44 | 0.26 | 96 | | 9/23/2001 | 15.49 | 14.07 | 14.81 | 0.51 | 96 | | |
| 7/24/2001 | 20.27 | 17.70 | 18.86 | 0.89 | 96 | | 8/24/2001 | 16.11 | 15.64 | 15.97 | 0.13 | 96 | | 9/24/2001 | 15.64 | 14.69 | 15.18 | 0.27 | 96 | | |
| 7/25/2001 | 19.95 | 17.38 | 18.66 | 0.85 | 96 | | 8/25/2001 | 16.11 | 15.49 | 15.69 | 0.20 | 96 | | 9/25/2001 | 15.33 | 14.85 | 15.14 | 0.12 | 96 | | |
| 7/26/2001 | 18.82 | 17.06 | 17.79 | 0.49 | 96 | | 8/26/2001 | 16.90 | 15.49 | 16.11 | 0.52 | 96 | | 9/26/2001 | 15.01 | 13.46 | 13.93 | 0.45 | 96 | | |
| 7/27/2001 | 17.86 | 17.06 | 17.38 | 0.21 | 96 | | 8/27/2001 | 16.58 | 15.96 | 16.26 | 0.11 | 96 | | 9/27/2001 | 14.23 | 13.46 | 13.76 | 0.30 | 96 | | |
| 7/28/2001 | 18.18 | 16.74 | 17.41 | 0.57 | 96 | | 8/28/2001 | 16.27 | 15.64 | 15.99 | 0.17 | 96 | | 9/28/2001 | 13.76 | 13.00 | 13.31 | 0.28 | 96 | | |
| 7/29/2001 | 19.46 | 17.06 | 18.19 | 0.86 | 96 | | 8/29/2001 | 18.18 | 15.64 | 16.64 | 0.84 | 96 | | 9/29/2001 | 13.31 | 12.69 | 13.00 | 0.14 | 96 | | |
| 7/30/2001 | 18.50 | 17.06 | 17.57 | 0.41 | 96 | | 8/30/2001 | 17.70 | 16.58 | 17.09 | 0.43 | 96 | | 9/30/2001 | 13.46 | 12.69 | 12.99 | 0.21 | 96 | | |
| 7/31/2001 | 19.14 | 16.58 | 17.82 | 1.00 | 96 | | 8/31/2001 | 17.54 | 16.42 | 16.99 | 0.32 | 96 | | | | | | | | | |
| Jul-2001 | Max | Min | Mean | Stdev | N | | Aug-2001 | Max | Min | Mean | Stdev | N | | Sep-2001 | Max | Min | Mean | Stdev | N | | |
| | Max | 22.91 | 19.30 | 20.85 | 1.69 | 96.00 | | Max | 21.25 | 19.14 | 19.89 | 1.48 | 97.00 | | Max | 16.90 | 15.80 | 16.30 | 0.92 | 96.00 | |
| | Min | 17.86 | 16.58 | 17.38 | 0.21 | 96.00 | | Min | 16.11 | 14.23 | 15.69 | 0.11 | 96.00 | | Min | 13.31 | 12.69 | 12.99 | 0.12 | 95.00 | |
| | Mean | 19.75 | 17.48 | 18.44 | 0.78 | 96.00 | | Mean | 18.15 | 16.32 | 17.23 | 0.59 | 96.03 | | Mean | 15.56 | 14.41 | 14.91 | 0.37 | 95.97 | |
| | N | 31 | 31 | 31 | 31 | 31 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | |

Comments: August 21 2001 Some unknown weather effect dropped water temperature 4 C in one hour

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | Temperature Correction Factor | | | | | | | | | |
|---|--------------------|-------|-------|-------|--------|-------------|------------|----------------------------|------|-------------------------------|-------|-------|------------|------|------|------|-------|-------|--|
| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Comments | Date | Calibration Date 29-May-03 | | | | | | | | | | | |
| | Onset Tidbit | | | | | | | a= 0.107424501 | | | | | | | | | | | |
| | 304568 | | | | | | | b= 0.997432191 | | | | | | | | | | | |
| 10/1/2001 | 13.21 | 12.29 | 12.72 | 0.22 | 96 | Calibration | 11/1/2001 | 8.87 | 8.12 | 8.46 | 0.22 | 96 | 12/1/2001 | 5.95 | 5.32 | 5.69 | 0.12 | 96 | |
| 10/2/2001 | 13.05 | 12.29 | 12.67 | 0.20 | 96 | | 11/2/2001 | 8.43 | 7.97 | 8.20 | 0.16 | 96 | 12/2/2001 | 5.79 | 5.17 | 5.51 | 0.13 | 96 | |
| 10/3/2001 | 13.05 | 12.29 | 12.62 | 0.22 | 96 | | 11/3/2001 | 8.27 | 7.81 | 8.12 | 0.10 | 96 | 12/3/2001 | 5.63 | 5.17 | 5.40 | 0.14 | 96 | |
| 10/4/2001 | 13.05 | 11.82 | 12.33 | 0.44 | 96 | | 11/4/2001 | 8.43 | 7.81 | 8.11 | 0.15 | 96 | 12/4/2001 | 5.48 | 5.01 | 5.32 | 0.12 | 96 | |
| 10/5/2001 | 13.51 | 12.13 | 12.70 | 0.40 | 96 | | 11/5/2001 | 7.97 | 7.81 | 7.86 | 0.07 | 96 | 12/5/2001 | 5.63 | 4.71 | 5.35 | 0.20 | 96 | |
| 10/6/2001 | 13.51 | 12.44 | 12.88 | 0.40 | 96 | | 11/6/2001 | 7.97 | 7.66 | 7.84 | 0.10 | 96 | 12/6/2001 | 5.63 | 4.71 | 5.18 | 0.34 | 96 | |
| 10/7/2001 | 12.74 | 11.36 | 12.20 | 0.34 | 96 | | 11/7/2001 | 7.81 | 7.66 | 7.76 | 0.07 | 96 | 12/7/2001 | 5.63 | 4.71 | 5.26 | 0.18 | 96 | |
| 10/8/2001 | 11.66 | 10.90 | 11.41 | 0.15 | 96 | | 11/8/2001 | 7.81 | 7.51 | 7.72 | 0.11 | 96 | 12/8/2001 | 5.63 | 5.01 | 5.44 | 0.24 | 96 | |
| 10/9/2001 | 11.97 | 11.20 | 11.53 | 0.22 | 96 | | 11/9/2001 | 7.81 | 7.51 | 7.70 | 0.09 | 96 | 12/9/2001 | 5.63 | 4.87 | 5.37 | 0.20 | 96 | |
| 10/10/2001 | 11.51 | 11.05 | 11.26 | 0.13 | 96 | | 11/10/2001 | 7.81 | 7.51 | 7.66 | 0.11 | 96 | 12/10/2001 | 5.48 | 4.87 | 5.30 | 0.11 | 96 | |
| 10/11/2001 | 11.66 | 11.36 | 11.50 | 0.12 | 96 | | 11/11/2001 | 7.81 | 7.66 | 7.73 | 0.08 | 96 | 12/11/2001 | 5.48 | 4.87 | 5.18 | 0.15 | 96 | |
| 10/12/2001 | 11.51 | 10.59 | 10.95 | 0.20 | 96 | | 11/12/2001 | 8.12 | 7.81 | 7.94 | 0.13 | 96 | 12/12/2001 | 5.17 | 4.40 | 4.97 | 0.23 | 96 | |
| 10/13/2001 | 10.90 | 10.59 | 10.84 | 0.11 | 96 | | 11/13/2001 | 8.12 | 7.81 | 7.97 | 0.09 | 96 | 12/13/2001 | 5.32 | 4.87 | 5.16 | 0.14 | 96 | |
| 10/14/2001 | 10.90 | 10.27 | 10.52 | 0.15 | 96 | | 11/14/2001 | 7.97 | 7.81 | 7.91 | 0.08 | 96 | 12/14/2001 | 5.17 | 4.09 | 4.93 | 0.20 | 96 | |
| 10/15/2001 | 10.90 | 10.43 | 10.63 | 0.11 | 96 | | 11/15/2001 | 8.27 | 7.97 | 8.13 | 0.11 | 96 | 12/15/2001 | 4.87 | 4.24 | 4.66 | 0.14 | 96 | |
| 10/16/2001 | 10.90 | 10.27 | 10.56 | 0.16 | 96 | | 11/16/2001 | 7.97 | 7.51 | 7.84 | 0.15 | 96 | 12/16/2001 | 5.17 | 4.71 | 4.98 | 0.08 | 96 | |
| 10/17/2001 | 10.59 | 10.27 | 10.39 | 0.12 | 96 | | 11/17/2001 | 7.51 | 7.04 | 7.28 | 0.10 | 96 | 12/17/2001 | 5.01 | 4.71 | 4.81 | 0.08 | 96 | |
| 10/18/2001 | 10.27 | 9.80 | 10.04 | 0.11 | 96 | | 11/18/2001 | 7.35 | 6.88 | 7.16 | 0.12 | 96 | 12/18/2001 | 4.87 | 4.56 | 4.73 | 0.07 | 96 | |
| 10/19/2001 | 10.43 | 9.96 | 10.19 | 0.14 | 96 | | 11/19/2001 | 7.66 | 7.20 | 7.39 | 0.12 | 96 | 12/19/2001 | 4.71 | 4.40 | 4.63 | 0.10 | 96 | |
| 10/20/2001 | 10.43 | 9.80 | 10.09 | 0.18 | 96 | | 11/20/2001 | 7.81 | 7.66 | 7.72 | 0.07 | 96 | 12/20/2001 | 4.40 | 3.93 | 4.02 | 0.16 | 96 | |
| 10/21/2001 | 10.12 | 9.49 | 9.77 | 0.17 | 96 | | 11/21/2001 | 7.81 | 7.51 | 7.67 | 0.05 | 96 | 12/21/2001 | 3.93 | 3.78 | 3.83 | 0.07 | 96 | |
| 10/22/2001 | 9.65 | 9.19 | 9.51 | 0.14 | 96 | | 11/22/2001 | 7.66 | 7.35 | 7.55 | 0.10 | 96 | 12/22/2001 | 3.93 | 3.62 | 3.81 | 0.11 | 96 | |
| 10/23/2001 | 9.65 | 9.19 | 9.42 | 0.10 | 96 | | 11/23/2001 | 7.66 | 7.35 | 7.47 | 0.10 | 96 | 12/23/2001 | 4.24 | 3.78 | 3.94 | 0.16 | 96 | |
| 10/24/2001 | 9.34 | 8.87 | 9.20 | 0.15 | 96 | | 11/24/2001 | 7.35 | 6.88 | 7.12 | 0.15 | 96 | 12/24/2001 | 4.56 | 4.09 | 4.29 | 0.16 | 96 | |
| 10/25/2001 | 9.34 | 9.03 | 9.12 | 0.08 | 96 | | 11/25/2001 | 7.35 | 6.88 | 7.07 | 0.16 | 96 | 12/25/2001 | 4.09 | 3.62 | 3.93 | 0.17 | 96 | |
| 10/26/2001 | 9.19 | 8.58 | 8.97 | 0.17 | 96 | | 11/26/2001 | 7.04 | 6.57 | 6.81 | 0.10 | 96 | 12/26/2001 | 3.78 | 3.31 | 3.54 | 0.15 | 96 | |
| 10/27/2001 | 9.03 | 8.87 | 8.98 | 0.08 | 96 | | 11/27/2001 | 6.88 | 6.42 | 6.62 | 0.10 | 96 | 12/27/2001 | 3.93 | 3.62 | 3.81 | 0.09 | 96 | |
| 10/28/2001 | 8.87 | 8.58 | 8.79 | 0.08 | 100 | Standard | 11/28/2001 | 6.57 | 6.10 | 6.38 | 0.14 | 96 | 12/28/2001 | 4.40 | 3.93 | 4.15 | 0.15 | 96 | |
| 10/29/2001 | 8.87 | 8.27 | 8.63 | 0.22 | 96 | | 11/29/2001 | 6.26 | 5.79 | 6.02 | 0.11 | 96 | 12/29/2001 | 4.40 | 4.09 | 4.26 | 0.09 | 96 | |
| 10/30/2001 | 8.73 | 8.12 | 8.46 | 0.16 | 96 | | 11/30/2001 | 5.95 | 5.63 | 5.81 | 0.12 | 96 | 12/30/2001 | 4.24 | 3.62 | 3.92 | 0.19 | 96 | |
| 10/31/2001 | 8.87 | 8.27 | 8.60 | 0.27 | 96 | | | | | | | | 12/31/2001 | 3.78 | 3.47 | 3.69 | 0.11 | 96 | |
| Oct-2001 | Max | Min | Mean | Stdev | N | | Nov-2001 | Max | Min | Mean | Stdev | N | Dec-2001 | Max | Min | Mean | Stdev | N | |
| | 13.51 | 12.44 | 12.88 | 0.44 | 100.00 | | | 8.87 | 8.12 | 8.46 | 0.22 | 96.00 | | 5.95 | 5.32 | 5.69 | 0.34 | 96.00 | |
| | 8.73 | 8.12 | 8.46 | 0.08 | 96.00 | | | 5.95 | 5.63 | 5.81 | 0.05 | 96.00 | | 3.78 | 3.31 | 3.54 | 0.07 | 96.00 | |
| | 10.89 | 10.24 | 10.56 | 0.19 | 96.13 | | | 7.67 | 7.31 | 7.50 | 0.11 | 96.00 | | 4.90 | 4.36 | 4.68 | 0.15 | 96.00 | |
| | 31 | 31 | 31 | 31 | 31 | | | 30 | 30 | 30 | 30 | 30 | | 31 | 31 | 31 | 31 | 31 | |

Comments: October 1 2001 Change Calibration Curve
 October 28 2001 Change to Standard Time

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | |
|------------------------|------|------|------|-------|----------------------|----------|-----------|------|------|-------------------------------|--------|----------------------------|-------------|-----------|-------------|------|------|-------|-------|----------|
| Longitude W 125 38.701 | | | | | Latitude N 50 39.039 | | | | | Temperature Logger | | Calibration Date 29-May-03 | | | | | | | | |
| | | | | | | | | | | Onset | Tidbit | a= | 0.107424501 | b= | 0.997432191 | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 1/1/2002 | 3.93 | 3.78 | 3.86 | 0.07 | 96 | | 2/1/2002 | 3.31 | 2.99 | 3.12 | 0.07 | 96 | | 3/1/2002 | 4.40 | 3.47 | 3.91 | 0.28 | 96 | |
| 1/2/2002 | 4.71 | 3.93 | 4.34 | 0.33 | 96 | | 2/2/2002 | 3.62 | 3.15 | 3.46 | 0.14 | 96 | | 3/2/2002 | 4.56 | 3.62 | 3.95 | 0.26 | 96 | |
| 1/3/2002 | 4.71 | 4.56 | 4.59 | 0.06 | 96 | | 2/3/2002 | 3.78 | 3.47 | 3.62 | 0.14 | 96 | | 3/3/2002 | 4.71 | 3.78 | 4.13 | 0.27 | 96 | |
| 1/4/2002 | 4.56 | 4.40 | 4.52 | 0.07 | 96 | | 2/4/2002 | 3.93 | 3.47 | 3.72 | 0.13 | 96 | | 3/4/2002 | 4.56 | 3.93 | 4.11 | 0.21 | 96 | |
| 1/5/2002 | 4.71 | 4.40 | 4.50 | 0.11 | 96 | | 2/5/2002 | 3.93 | 3.62 | 3.83 | 0.08 | 96 | | 3/5/2002 | 4.24 | 3.31 | 3.77 | 0.24 | 96 | |
| 1/6/2002 | 5.01 | 4.71 | 4.80 | 0.10 | 96 | | 2/6/2002 | 3.93 | 3.62 | 3.75 | 0.09 | 96 | | 3/6/2002 | 3.93 | 2.67 | 3.26 | 0.35 | 96 | |
| 1/7/2002 | 5.17 | 4.87 | 4.93 | 0.11 | 96 | | 2/7/2002 | 3.78 | 3.47 | 3.68 | 0.12 | 96 | | 3/7/2002 | 3.62 | 2.19 | 2.93 | 0.46 | 96 | |
| 1/8/2002 | 5.01 | 4.71 | 4.86 | 0.07 | 96 | | 2/8/2002 | 4.24 | 3.62 | 3.84 | 0.22 | 96 | | 3/8/2002 | 3.93 | 2.99 | 3.37 | 0.36 | 96 | |
| 1/9/2002 | 5.01 | 4.87 | 4.91 | 0.07 | 96 | | 2/9/2002 | 4.24 | 3.78 | 3.97 | 0.11 | 96 | | 3/9/2002 | 3.47 | 3.15 | 3.30 | 0.14 | 96 | |
| 1/10/2002 | 5.01 | 4.87 | 4.90 | 0.06 | 96 | | 2/10/2002 | 3.93 | 3.78 | 3.88 | 0.07 | 96 | | 3/10/2002 | 3.47 | 3.15 | 3.28 | 0.10 | 96 | |
| 1/11/2002 | 5.01 | 4.71 | 4.86 | 0.11 | 96 | | 2/11/2002 | 4.09 | 3.62 | 3.76 | 0.16 | 96 | | 3/11/2002 | 3.93 | 2.83 | 3.42 | 0.38 | 96 | |
| 1/12/2002 | 5.01 | 4.71 | 4.93 | 0.08 | 96 | | 2/12/2002 | 4.09 | 3.31 | 3.69 | 0.28 | 96 | | 3/12/2002 | 3.78 | 3.47 | 3.69 | 0.09 | 96 | |
| 1/13/2002 | 4.71 | 4.40 | 4.62 | 0.08 | 96 | | 2/13/2002 | 4.24 | 3.78 | 3.98 | 0.18 | 96 | | 3/13/2002 | 4.40 | 3.47 | 3.91 | 0.31 | 96 | |
| 1/14/2002 | 4.56 | 4.24 | 4.38 | 0.08 | 96 | | 2/14/2002 | 4.09 | 3.47 | 3.85 | 0.18 | 96 | | 3/14/2002 | 4.87 | 3.62 | 4.14 | 0.37 | 96 | |
| 1/15/2002 | 4.71 | 4.24 | 4.45 | 0.14 | 96 | | 2/15/2002 | 4.09 | 3.62 | 3.79 | 0.14 | 96 | | 3/15/2002 | 4.71 | 3.47 | 4.16 | 0.41 | 96 | |
| 1/16/2002 | 4.71 | 4.40 | 4.54 | 0.11 | 96 | | 2/16/2002 | 3.93 | 3.47 | 3.77 | 0.15 | 96 | | 3/16/2002 | 4.40 | 3.31 | 3.81 | 0.36 | 96 | |
| 1/17/2002 | 4.40 | 3.93 | 4.18 | 0.09 | 96 | | 2/17/2002 | 4.09 | 3.93 | 4.00 | 0.08 | 96 | | 3/17/2002 | 4.09 | 2.83 | 3.49 | 0.40 | 96 | |
| 1/18/2002 | 4.40 | 3.93 | 4.18 | 0.12 | 96 | | 2/18/2002 | 4.09 | 3.78 | 3.93 | 0.13 | 96 | | 3/18/2002 | 3.62 | 3.15 | 3.35 | 0.15 | 96 | |
| 1/19/2002 | 4.24 | 3.62 | 4.04 | 0.15 | 96 | | 2/19/2002 | 4.40 | 3.93 | 4.17 | 0.12 | 96 | | 3/19/2002 | 4.40 | 2.99 | 3.68 | 0.53 | 96 | |
| 1/20/2002 | 4.09 | 3.47 | 3.79 | 0.21 | 96 | | 2/20/2002 | 4.56 | 3.93 | 4.16 | 0.19 | 96 | | 3/20/2002 | 4.40 | 3.15 | 3.74 | 0.43 | 96 | |
| 1/21/2002 | 4.09 | 3.93 | 4.01 | 0.08 | 96 | | 2/21/2002 | 4.09 | 3.78 | 4.03 | 0.10 | 96 | | 3/21/2002 | 4.09 | 3.15 | 3.58 | 0.29 | 96 | |
| 1/22/2002 | 4.09 | 3.47 | 3.78 | 0.18 | 96 | | 2/22/2002 | 4.40 | 3.78 | 4.05 | 0.20 | 96 | | 3/22/2002 | 4.87 | 3.62 | 4.19 | 0.47 | 96 | |
| 1/23/2002 | 3.62 | 2.52 | 3.28 | 0.35 | 96 | | 2/23/2002 | 3.93 | 3.31 | 3.65 | 0.17 | 96 | | 3/23/2002 | 5.32 | 4.24 | 4.62 | 0.41 | 96 | |
| 1/24/2002 | 3.62 | 3.31 | 3.51 | 0.12 | 96 | | 2/24/2002 | 3.62 | 2.99 | 3.31 | 0.16 | 96 | | 3/24/2002 | 5.48 | 3.93 | 4.57 | 0.55 | 96 | |
| 1/25/2002 | 3.93 | 3.47 | 3.73 | 0.12 | 96 | | 2/25/2002 | 4.24 | 3.31 | 3.68 | 0.33 | 96 | | 3/25/2002 | 5.63 | 4.09 | 4.88 | 0.57 | 96 | |
| 1/26/2002 | 3.62 | 3.15 | 3.39 | 0.11 | 96 | | 2/26/2002 | 3.93 | 3.31 | 3.60 | 0.21 | 96 | | 3/26/2002 | 5.63 | 4.40 | 4.98 | 0.37 | 96 | |
| 1/27/2002 | 3.31 | 2.99 | 3.21 | 0.08 | 96 | | 2/27/2002 | 4.09 | 3.31 | 3.70 | 0.25 | 96 | | 3/27/2002 | 4.56 | 4.24 | 4.36 | 0.10 | 96 | |
| 1/28/2002 | 3.31 | 2.99 | 3.12 | 0.09 | 96 | | 2/28/2002 | 4.24 | 3.31 | 3.73 | 0.29 | 96 | | 3/28/2002 | 5.63 | 4.09 | 4.69 | 0.49 | 96 | |
| 1/29/2002 | 3.47 | 2.99 | 3.16 | 0.19 | 96 | | | | | | | | 3/29/2002 | 5.32 | 4.24 | 4.79 | 0.42 | 96 | | |
| 1/30/2002 | 3.31 | 2.83 | 3.12 | 0.12 | 96 | | | | | | | | 3/30/2002 | 6.10 | 4.87 | 5.37 | 0.46 | 96 | | |
| 1/31/2002 | 3.31 | 3.15 | 3.26 | 0.08 | 96 | | | | | | | | 3/31/2002 | 5.63 | 4.87 | 5.26 | 0.24 | 96 | | |
| Jan-2002 | Max | Min | Mean | Stdev | N | | Feb-2002 | Max | Min | Mean | Stdev | N | | Mar-2002 | Max | Min | Mean | Stdev | N | |
| Max | 5.17 | 4.87 | 4.93 | 0.35 | 96.00 | | Max | 4.56 | 3.93 | 4.17 | 0.33 | 96.00 | | Max | 6.10 | 4.87 | 5.37 | 0.57 | 96.00 | |
| Min | 3.31 | 2.52 | 3.12 | 0.06 | 96.00 | | Min | 3.31 | 2.99 | 3.12 | 0.07 | 96.00 | | Min | 3.47 | 2.19 | 2.93 | 0.09 | 96.00 | |
| Mean | 4.30 | 3.92 | 4.12 | 0.12 | 96.00 | | Mean | 4.03 | 3.53 | 3.77 | 0.16 | 96.00 | | Mean | 4.57 | 3.56 | 4.02 | 0.34 | 96.00 | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 28 | 28 | 28 | 28 | 28 | | N | 31 | 31 | 31 | 31 | 31 | |

Comments:

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------------|------|-------|-------|-------|----------|-----------|-------------------------------|-------------|-------|-------|-------|----------|-----------|-------|-------|-------|-------|-------|----------|
| Temperature Logger | | | | | | | | Temperature Correction Factor | | | | | | | | | | | | |
| Longitude | W 125 38.701 | | | | | | | Calibration Date | 29-May-03 | | | | | | | | | | | |
| Latitude | N 50 39.039 | | | | | | | a= | 0.107424501 | | | | | | | | | | | |
| UTM E | | | | | | | | b= | 0.997432191 | | | | | | | | | | | |
| UTM N | | | | | | | | | | | | | | | | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 4/1/2002 | 5.63 | 4.24 | 4.93 | 0.37 | 96 | | 5/1/2002 | 14.60 | 10.59 | 12.31 | 1.22 | 96 | | 6/1/2002 | 13.82 | 12.13 | 12.75 | 0.54 | 96 | |
| 4/2/2002 | 6.73 | 4.24 | 5.12 | 0.82 | 96 | | 5/2/2002 | 13.05 | 10.43 | 11.57 | 0.85 | 96 | | 6/2/2002 | 14.60 | 12.13 | 13.40 | 0.92 | 96 | |
| 4/3/2002 | 7.66 | 5.01 | 6.12 | 0.81 | 96 | | 5/3/2002 | 12.74 | 9.96 | 11.28 | 0.89 | 96 | | 6/3/2002 | 15.70 | 13.98 | 14.84 | 0.66 | 96 | |
| 4/4/2002 | 8.27 | 4.87 | 6.49 | 1.40 | 96 | | 5/4/2002 | 11.20 | 10.43 | 10.77 | 0.27 | 96 | | 6/4/2002 | 15.55 | 14.75 | 15.22 | 0.18 | 96 | |
| 4/5/2002 | 7.66 | 6.26 | 6.94 | 0.35 | 96 | | 5/5/2002 | 12.13 | 10.27 | 10.91 | 0.56 | 96 | | 6/5/2002 | 14.91 | 13.51 | 14.32 | 0.36 | 96 | |
| 4/6/2002 | 6.26 | 5.48 | 5.96 | 0.22 | 96 | | 5/6/2002 | 12.90 | 9.80 | 10.99 | 1.00 | 96 | | 6/6/2002 | 14.75 | 13.67 | 14.15 | 0.34 | 96 | |
| 4/7/2002 | 6.26 | 5.01 | 5.44 | 0.38 | 92 | Daylight | 5/7/2002 | 12.29 | 9.80 | 10.91 | 0.82 | 96 | | 6/7/2002 | 15.07 | 13.51 | 14.17 | 0.43 | 96 | |
| 4/8/2002 | 7.20 | 5.01 | 6.14 | 0.76 | 96 | | 5/8/2002 | 12.13 | 10.43 | 11.33 | 0.66 | 96 | | 6/8/2002 | 14.13 | 13.21 | 13.72 | 0.25 | 96 | |
| 4/9/2002 | 7.20 | 6.57 | 6.83 | 0.23 | 96 | | 5/9/2002 | 13.51 | 11.05 | 12.14 | 0.83 | 96 | | 6/9/2002 | 15.70 | 13.05 | 14.35 | 1.01 | 96 | |
| 4/10/2002 | 7.35 | 6.42 | 6.71 | 0.29 | 96 | | 5/10/2002 | 13.51 | 10.74 | 11.74 | 0.95 | 96 | | 6/10/2002 | 15.86 | 14.13 | 14.96 | 0.61 | 96 | |
| 4/11/2002 | 6.57 | 6.42 | 6.56 | 0.04 | 96 | | 5/11/2002 | 13.98 | 10.90 | 12.12 | 1.08 | 96 | | 6/11/2002 | 16.18 | 14.13 | 15.02 | 0.73 | 96 | |
| 4/12/2002 | 6.42 | 6.10 | 6.31 | 0.09 | 96 | | 5/12/2002 | 16.64 | 11.66 | 13.81 | 1.83 | 96 | | 6/12/2002 | 17.44 | 14.75 | 16.09 | 1.09 | 96 | |
| 4/13/2002 | 6.26 | 5.79 | 6.08 | 0.16 | 96 | | 5/13/2002 | 14.60 | 13.05 | 13.89 | 0.42 | 96 | | 6/13/2002 | 20.34 | 15.39 | 17.59 | 1.73 | 96 | |
| 4/14/2002 | 6.26 | 5.63 | 5.95 | 0.18 | 96 | | 5/14/2002 | 14.29 | 12.44 | 13.17 | 0.43 | 96 | | 6/14/2002 | 22.82 | 18.08 | 20.39 | 1.60 | 96 | |
| 4/15/2002 | 6.57 | 5.63 | 6.05 | 0.27 | 96 | | 5/15/2002 | 14.29 | 11.97 | 13.16 | 0.82 | 96 | | 6/15/2002 | 20.34 | 17.12 | 18.88 | 0.81 | 96 | |
| 4/16/2002 | 6.88 | 5.63 | 6.22 | 0.37 | 96 | | 5/16/2002 | 13.98 | 12.29 | 13.07 | 0.62 | 96 | | 6/16/2002 | 18.89 | 17.44 | 18.12 | 0.50 | 96 | |
| 4/17/2002 | 7.35 | 5.32 | 6.41 | 0.54 | 96 | | 5/17/2002 | 13.51 | 11.97 | 12.66 | 0.52 | 96 | | 6/17/2002 | 18.24 | 17.60 | 17.97 | 0.17 | 96 | |
| 4/18/2002 | 8.73 | 5.32 | 6.67 | 1.05 | 96 | | 5/18/2002 | 15.70 | 11.97 | 13.59 | 1.40 | 96 | | 6/18/2002 | 18.57 | 16.96 | 17.59 | 0.51 | 96 | |
| 4/19/2002 | 7.66 | 5.95 | 6.56 | 0.53 | 96 | | 5/19/2002 | 15.70 | 13.05 | 14.38 | 0.92 | 96 | | 6/19/2002 | 18.89 | 16.80 | 17.57 | 0.70 | 96 | |
| 4/20/2002 | 7.81 | 6.26 | 6.82 | 0.52 | 96 | | 5/20/2002 | 15.23 | 13.98 | 14.57 | 0.26 | 96 | | 6/20/2002 | 19.21 | 16.80 | 17.78 | 0.86 | 96 | |
| 4/21/2002 | 8.73 | 6.26 | 7.56 | 0.80 | 96 | | 5/21/2002 | 15.23 | 13.51 | 14.34 | 0.47 | 96 | | 6/21/2002 | 19.86 | 16.80 | 18.23 | 1.12 | 96 | |
| 4/22/2002 | 8.87 | 7.20 | 7.80 | 0.52 | 96 | | 5/22/2002 | 13.98 | 12.44 | 13.06 | 0.46 | 96 | | 6/22/2002 | 20.49 | 17.44 | 18.92 | 1.21 | 96 | |
| 4/23/2002 | 8.73 | 6.73 | 7.51 | 0.59 | 96 | | 5/23/2002 | 14.13 | 12.44 | 13.16 | 0.67 | 96 | | 6/23/2002 | 19.86 | 19.05 | 19.35 | 0.16 | 96 | |
| 4/24/2002 | 9.19 | 7.04 | 8.03 | 0.79 | 96 | | 5/24/2002 | 14.29 | 12.60 | 13.56 | 0.57 | 96 | | 6/24/2002 | 19.21 | 18.40 | 18.81 | 0.27 | 96 | |
| 4/25/2002 | 9.65 | 7.51 | 8.46 | 0.55 | 96 | | 5/25/2002 | 14.75 | 13.51 | 14.10 | 0.41 | 96 | | 6/25/2002 | 18.57 | 18.08 | 18.25 | 0.13 | 96 | |
| 4/26/2002 | 10.12 | 7.51 | 8.74 | 0.94 | 96 | | 5/26/2002 | 14.60 | 13.98 | 14.28 | 0.23 | 96 | | 6/26/2002 | 18.08 | 17.44 | 17.80 | 0.15 | 96 | |
| 4/27/2002 | 11.82 | 8.58 | 9.66 | 1.03 | 96 | | 5/27/2002 | 14.29 | 13.82 | 14.00 | 0.13 | 96 | | 6/27/2002 | 17.44 | 16.49 | 17.00 | 0.29 | 96 | |
| 4/28/2002 | 12.90 | 8.87 | 10.53 | 1.35 | 96 | | 5/28/2002 | 13.82 | 12.90 | 13.51 | 0.26 | 96 | | 6/28/2002 | 17.12 | 16.18 | 16.55 | 0.21 | 96 | |
| 4/29/2002 | 11.51 | 8.43 | 10.44 | 0.98 | 96 | | 5/29/2002 | 14.13 | 12.90 | 13.36 | 0.47 | 96 | | 6/29/2002 | 17.28 | 15.55 | 16.32 | 0.67 | 96 | |
| 4/30/2002 | 12.29 | 8.58 | 10.43 | 1.42 | 96 | | 5/30/2002 | 14.13 | 13.21 | 13.63 | 0.33 | 96 | | 6/30/2002 | 17.44 | 16.34 | 16.64 | 0.34 | 96 | |
| | | | | | | | 5/31/2002 | 14.60 | 12.90 | 13.67 | 0.50 | 96 | | | | | | | | |
| Apr-2002 | Max | Min | Mean | Stdev | N | | May-2002 | Max | Min | Mean | Stdev | N | | Jun-2002 | Max | Min | Mean | Stdev | N | |
| Max | 12.90 | 8.87 | 10.53 | 1.42 | 96.00 | | Max | 16.64 | 13.98 | 14.57 | 1.83 | 96.00 | | Max | 22.82 | 19.05 | 20.39 | 1.73 | 96.00 | |
| Min | 5.63 | 4.24 | 4.93 | 0.04 | 92.00 | | Min | 11.20 | 9.80 | 10.77 | 0.13 | 96.00 | | Min | 13.82 | 12.13 | 12.75 | 0.13 | 96.00 | |
| Mean | 8.15 | 6.26 | 7.12 | 0.61 | 95.87 | | Mean | 14.00 | 11.97 | 12.87 | 0.67 | 96.00 | | Mean | 17.54 | 15.70 | 16.56 | 0.62 | 96.00 | |
| N | 30 | 30 | 30 | 30 | 30 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | |

Comments: April 7 2002 Change to Daylight Saving Time

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | |
|---------------|--------------|-------|-------|-------|--------------------|----------|-----------|-------|-------|-------------------------------|-------------|-------|----------|-----------|-------|-------------|-------|-------|-------|----------|
| | | | | | Temperature Logger | | | | | Calibration Date 29-May-03 | | | | | | | | | | |
| Longitude | W 125 38.701 | | | | Onset Tidbit | 304568 | | | | a= | 0.107424501 | | | | b= | 0.997432191 | | | | |
| Latitude | N 50 39.039 | | | | | | | | | | | | | | | | | | | |
| UTM E | | | | | | | | | | | | | | | | | | | | |
| UTM N | | | | | | | | | | | | | | | | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 7/1/2002 | 17.28 | 15.86 | 16.50 | 0.50 | 96 | | 8/1/2002 | 19.86 | 17.92 | 18.43 | 0.44 | 96 | | 9/1/2002 | 18.40 | 17.28 | 17.71 | 0.36 | 96 | |
| 7/2/2002 | 19.05 | 15.55 | 17.05 | 1.26 | 96 | | 8/2/2002 | 19.37 | 17.76 | 18.52 | 0.58 | 96 | | 9/2/2002 | 18.40 | 15.86 | 17.06 | 0.69 | 96 | |
| 7/3/2002 | 17.12 | 15.86 | 16.50 | 0.43 | 96 | | 8/3/2002 | 20.34 | 17.60 | 18.88 | 0.96 | 96 | | 9/3/2002 | 16.49 | 14.75 | 15.54 | 0.52 | 96 | |
| 7/4/2002 | 16.80 | 16.18 | 16.51 | 0.24 | 96 | | 8/4/2002 | 19.37 | 17.76 | 18.22 | 0.42 | 96 | | 9/4/2002 | 18.08 | 15.55 | 16.74 | 0.90 | 96 | |
| 7/5/2002 | 19.21 | 15.86 | 17.44 | 1.34 | 96 | | 8/5/2002 | 19.37 | 17.28 | 18.31 | 0.79 | 96 | | 9/5/2002 | 17.76 | 15.55 | 16.68 | 0.67 | 96 | |
| 7/6/2002 | 18.73 | 16.96 | 17.82 | 0.51 | 96 | | 8/6/2002 | 19.69 | 18.08 | 18.76 | 0.57 | 96 | | 9/6/2002 | 18.40 | 16.64 | 17.41 | 0.51 | 96 | |
| 7/7/2002 | 18.40 | 16.34 | 17.20 | 0.79 | 96 | | 8/7/2002 | 20.34 | 17.76 | 19.07 | 0.89 | 96 | | 9/7/2002 | 17.44 | 15.86 | 16.70 | 0.57 | 96 | |
| 7/8/2002 | 18.40 | 16.96 | 17.55 | 0.44 | 96 | | 8/8/2002 | 20.02 | 18.89 | 19.58 | 0.36 | 96 | | 9/8/2002 | 17.28 | 15.70 | 16.54 | 0.42 | 96 | |
| 7/9/2002 | 19.37 | 17.12 | 18.11 | 0.86 | 96 | | 8/9/2002 | 20.49 | 19.21 | 19.75 | 0.47 | 96 | | 9/9/2002 | 15.86 | 14.60 | 15.25 | 0.30 | 96 | |
| 7/10/2002 | 20.02 | 16.80 | 18.68 | 0.80 | 96 | | 8/10/2002 | 20.02 | 18.40 | 19.24 | 0.54 | 96 | | 9/10/2002 | 16.64 | 14.44 | 15.74 | 0.72 | 96 | |
| 7/11/2002 | 18.40 | 16.64 | 17.32 | 0.65 | 96 | | 8/11/2002 | 20.02 | 17.92 | 18.99 | 0.74 | 96 | | 9/11/2002 | 17.12 | 16.34 | 16.63 | 0.24 | 96 | |
| 7/12/2002 | 19.69 | 16.96 | 18.17 | 1.03 | 96 | | 8/12/2002 | 20.34 | 17.44 | 18.95 | 1.00 | 96 | | 9/12/2002 | 19.53 | 16.34 | 17.47 | 1.09 | 96 | |
| 7/13/2002 | 19.05 | 17.28 | 17.84 | 0.58 | 96 | | 8/13/2002 | 20.99 | 17.92 | 19.46 | 1.06 | 94 | | 9/13/2002 | 19.05 | 17.44 | 18.19 | 0.47 | 96 | |
| 7/14/2002 | 19.05 | 17.12 | 17.87 | 0.65 | 96 | | 8/14/2002 | 20.18 | 18.40 | 18.97 | 0.48 | 96 | | 9/14/2002 | 18.40 | 17.12 | 17.64 | 0.37 | 96 | |
| 7/15/2002 | 18.89 | 17.44 | 18.05 | 0.53 | 96 | | 8/15/2002 | 18.40 | 17.28 | 17.84 | 0.41 | 96 | | 9/15/2002 | 18.08 | 16.80 | 17.67 | 0.32 | 96 | |
| 7/16/2002 | 20.18 | 17.92 | 18.92 | 0.94 | 96 | | 8/16/2002 | 20.34 | 16.96 | 18.50 | 1.21 | 96 | | 9/16/2002 | 16.96 | 15.70 | 16.49 | 0.38 | 96 | |
| 7/17/2002 | 19.86 | 18.89 | 19.12 | 0.24 | 96 | | 8/17/2002 | 19.53 | 16.96 | 18.34 | 0.94 | 96 | | 9/17/2002 | 16.80 | 15.70 | 16.32 | 0.31 | 96 | |
| 7/18/2002 | 19.21 | 18.24 | 18.68 | 0.28 | 96 | | 8/18/2002 | 18.89 | 17.28 | 17.98 | 0.43 | 96 | | 9/18/2002 | 16.02 | 15.55 | 15.93 | 0.13 | 95 | |
| 7/19/2002 | 19.53 | 17.92 | 18.53 | 0.53 | 96 | | 8/19/2002 | 18.73 | 16.96 | 17.74 | 0.65 | 96 | | 9/19/2002 | 15.86 | 15.07 | 15.46 | 0.16 | 96 | |
| 7/20/2002 | 19.69 | 17.60 | 18.39 | 0.72 | 96 | | 8/20/2002 | 18.89 | 16.96 | 17.83 | 0.71 | 96 | | 9/20/2002 | 15.55 | 14.75 | 15.05 | 0.22 | 96 | |
| 7/21/2002 | 19.69 | 16.96 | 18.20 | 0.95 | 96 | | 8/21/2002 | 19.53 | 16.96 | 18.14 | 0.94 | 96 | | 9/21/2002 | 15.86 | 14.29 | 15.07 | 0.54 | 96 | |
| 7/22/2002 | 20.66 | 17.28 | 18.84 | 1.21 | 96 | | 8/22/2002 | 20.18 | 16.80 | 18.54 | 1.18 | 96 | | 9/22/2002 | 15.86 | 14.75 | 15.16 | 0.32 | 96 | |
| 7/23/2002 | 21.15 | 17.92 | 19.43 | 1.14 | 96 | | 8/23/2002 | 20.99 | 17.76 | 19.36 | 1.12 | 96 | | 9/23/2002 | 15.39 | 14.75 | 14.92 | 0.21 | 96 | |
| 7/24/2002 | 21.48 | 18.24 | 19.67 | 1.12 | 96 | | 8/24/2002 | 20.66 | 18.08 | 19.39 | 0.93 | 96 | | 9/24/2002 | 15.70 | 14.60 | 14.93 | 0.33 | 96 | |
| 7/25/2002 | 21.65 | 19.05 | 20.14 | 0.99 | 96 | | 8/25/2002 | 20.18 | 18.40 | 19.33 | 0.65 | 96 | | 9/25/2002 | 15.55 | 14.60 | 14.93 | 0.31 | 96 | |
| 7/26/2002 | 20.99 | 18.89 | 19.97 | 0.75 | 96 | | 8/26/2002 | 21.48 | 18.40 | 19.86 | 1.04 | 96 | | 9/26/2002 | 15.23 | 14.44 | 14.74 | 0.24 | 96 | |
| 7/27/2002 | 21.15 | 18.57 | 19.81 | 0.91 | 96 | | 8/27/2002 | 22.15 | 18.89 | 20.56 | 1.09 | 96 | | 9/27/2002 | 15.23 | 14.29 | 14.66 | 0.34 | 96 | |
| 7/28/2002 | 20.34 | 19.05 | 19.58 | 0.35 | 96 | | 8/28/2002 | 21.48 | 19.69 | 20.66 | 0.56 | 96 | | 9/28/2002 | 14.75 | 14.44 | 14.64 | 0.08 | 96 | |
| 7/29/2002 | 20.34 | 18.24 | 19.26 | 0.69 | 96 | | 8/29/2002 | 20.82 | 18.08 | 19.09 | 0.81 | 96 | | 9/29/2002 | 14.75 | 13.98 | 14.36 | 0.28 | 96 | |
| 7/30/2002 | 20.34 | 18.08 | 19.22 | 0.87 | 96 | | 8/30/2002 | 18.08 | 17.44 | 17.71 | 0.18 | 96 | | 9/30/2002 | 14.44 | 13.51 | 13.96 | 0.26 | 96 | |
| 7/31/2002 | 20.66 | 18.08 | 19.42 | 0.93 | 96 | | 8/31/2002 | 17.76 | 16.80 | 17.34 | 0.33 | 96 | | | | | | | | |
| Jul-2002 | Max | Min | Mean | Stdev | N | | Aug-2002 | Max | Min | Mean | Stdev | N | | Sep-2002 | Max | Min | Mean | Stdev | N | |
| Max | 21.65 | 19.05 | 20.14 | 1.34 | 96.00 | | Max | 22.15 | 19.69 | 20.66 | 1.21 | 96.00 | | Max | 19.53 | 17.44 | 18.19 | 1.09 | 96.00 | |
| Min | 16.80 | 15.55 | 16.50 | 0.24 | 96.00 | | Min | 17.76 | 16.80 | 17.34 | 0.18 | 94.00 | | Min | 14.44 | 13.51 | 13.96 | 0.08 | 95.00 | |
| Mean | 19.56 | 17.42 | 18.38 | 0.75 | 96.00 | | Mean | 19.95 | 17.81 | 18.82 | 0.73 | 95.94 | | Mean | 16.70 | 15.36 | 15.99 | 0.41 | 95.97 | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | |

Comments:

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | Temperature Correction Factor | | | | | | | | | |
|------------------------|-------|-------|-------|-------|--|----------|------------|----------|------|--|-------|-------|--------|------------|--|------|------|-------|-------|---|-------|----------|--|--|--|--|--|--|--|
| Longitude W 125 38.701 | | | | | Temperature Logger Onset Tidbit 304568 | | | | | Calibration Date 29-May-03 a= 0.107424501 b= 0.997432191 | | | | | Temperature Logger Onset Tidbit 378634 | | | | | Calibration Date 9-Oct-02 a= 0.051246269 b= 0.997447686 | | | | | | | | | |
| UTM E | UTM N | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | | | | | | | |
| 10/1/2002 | 14.29 | 12.90 | 13.59 | 0.53 | 96 | | 11/1/2002 | 8.73 | 8.58 | 8.68 | 0.07 | 96 | | 12/1/2002 | 6.99 | 6.22 | 6.52 | 0.14 | 96 | | | | | | | | | | |
| 10/2/2002 | 14.13 | 13.21 | 13.68 | 0.27 | 96 | | 11/2/2002 | 8.58 | 8.12 | 8.26 | 0.12 | 96 | | 12/2/2002 | 7.30 | 6.83 | 7.07 | 0.12 | 96 | | | | | | | | | | |
| 10/3/2002 | 13.67 | 13.05 | 13.31 | 0.19 | 96 | | 11/3/2002 | 8.27 | 7.81 | 8.03 | 0.11 | 96 | | 12/3/2002 | 7.15 | 6.83 | 6.98 | 0.11 | 96 | | | | | | | | | | |
| 10/4/2002 | 13.51 | 13.05 | 13.29 | 0.16 | 96 | | 11/4/2002 | 8.12 | 7.51 | 7.88 | 0.23 | 96 | | 12/4/2002 | 6.99 | 6.83 | 6.90 | 0.08 | 96 | | | | | | | | | | |
| 10/5/2002 | 13.67 | 13.05 | 13.35 | 0.25 | 96 | | 11/5/2002 | 8.58 | 7.97 | 8.18 | 0.19 | 96 | | 12/5/2002 | 7.15 | 6.68 | 6.95 | 0.11 | 96 | | | | | | | | | | |
| 10/6/2002 | 14.13 | 13.51 | 13.82 | 0.25 | 96 | | 11/6/2002 | 9.34 | 8.58 | 9.01 | 0.26 | 96 | | 12/6/2002 | 6.83 | 6.22 | 6.48 | 0.17 | 96 | | | | | | | | | | |
| 10/7/2002 | 14.29 | 13.67 | 13.97 | 0.18 | 96 | | 11/7/2002 | 9.19 | 9.03 | 9.16 | 0.06 | 96 | | 12/7/2002 | 6.52 | 5.91 | 6.09 | 0.16 | 96 | | | | | | | | | | |
| 10/8/2002 | 13.67 | 13.36 | 13.55 | 0.13 | 96 | | 11/8/2002 | 9.03 | 8.73 | 8.93 | 0.11 | 96 | | 12/8/2002 | 5.91 | 5.60 | 5.73 | 0.10 | 96 | | | | | | | | | | |
| 10/9/2002 | 13.82 | 13.05 | 13.43 | 0.20 | 96 | | 11/9/2002 | 8.87 | 8.87 | 8.87 | 0.00 | 96 | | 12/9/2002 | 6.52 | 5.76 | 6.08 | 0.26 | 96 | | | | | | | | | | |
| 10/10/2002 | 13.67 | 12.74 | 13.21 | 0.26 | 96 | | 11/10/2002 | 8.87 | 8.58 | 8.80 | 0.08 | 96 | | 12/10/2002 | 6.68 | 6.37 | 6.50 | 0.11 | 96 | | | | | | | | | | |
| 10/11/2002 | 12.90 | 12.29 | 12.63 | 0.22 | 96 | | 11/11/2002 | 8.73 | 8.58 | 8.72 | 0.04 | 96 | | 12/11/2002 | 6.37 | 6.07 | 6.20 | 0.11 | 96 | | | | | | | | | | |
| 10/12/2002 | 12.90 | 11.82 | 12.24 | 0.38 | 96 | | 11/12/2002 | 8.73 | 8.43 | 8.56 | 0.07 | 96 | | 12/12/2002 | 7.15 | 6.22 | 6.69 | 0.29 | 96 | | | | | | | | | | |
| 10/13/2002 | 12.74 | 11.82 | 12.27 | 0.28 | 96 | | 11/13/2002 | 8.73 | 8.43 | 8.61 | 0.06 | 96 | | 12/13/2002 | 6.68 | 6.52 | 6.63 | 0.08 | 96 | | | | | | | | | | |
| 10/14/2002 | 12.44 | 11.66 | 12.02 | 0.29 | 96 | | 11/14/2002 | 8.58 | 8.43 | 8.48 | 0.07 | 96 | | 12/14/2002 | 6.52 | 6.37 | 6.50 | 0.05 | 96 | | | | | | | | | | |
| 10/15/2002 | 12.29 | 11.66 | 12.03 | 0.23 | 96 | | 11/15/2002 | 8.43 | 8.27 | 8.32 | 0.07 | 96 | | 12/15/2002 | 6.68 | 6.52 | 6.53 | 0.04 | 96 | | | | | | | | | | |
| 10/16/2002 | 12.74 | 11.66 | 12.21 | 0.30 | 96 | | 11/16/2002 | 8.27 | 8.12 | 8.17 | 0.07 | 96 | | 12/16/2002 | 6.52 | 6.37 | 6.50 | 0.05 | 96 | | | | | | | | | | |
| 10/17/2002 | 12.74 | 12.13 | 12.35 | 0.19 | 96 | | 11/17/2002 | 8.12 | 8.12 | 8.12 | 0.00 | 96 | | 12/17/2002 | 6.37 | 6.22 | 6.29 | 0.08 | 96 | | | | | | | | | | |
| 10/18/2002 | 12.90 | 11.82 | 12.34 | 0.38 | 96 | | 11/18/2002 | 8.12 | 7.97 | 8.10 | 0.05 | 96 | | 12/18/2002 | 6.37 | 6.07 | 6.21 | 0.09 | 96 | | | | | | | | | | |
| 10/19/2002 | 12.60 | 12.13 | 12.43 | 0.17 | 96 | | 11/19/2002 | 8.27 | 7.97 | 8.14 | 0.07 | 96 | | 12/19/2002 | 6.07 | 5.91 | 6.01 | 0.08 | 96 | | | | | | | | | | |
| 10/20/2002 | 12.74 | 12.13 | 12.41 | 0.25 | 96 | | 11/20/2002 | 8.43 | 8.27 | 8.31 | 0.07 | 96 | | 12/20/2002 | 6.07 | 5.76 | 5.93 | 0.08 | 96 | | | | | | | | | | |
| 10/21/2002 | 12.74 | 12.29 | 12.54 | 0.15 | 96 | | 11/21/2002 | 8.43 | 8.22 | 8.32 | 0.05 | 95 | Change | 12/21/2002 | 5.76 | 5.60 | 5.63 | 0.07 | 96 | | | | | | | | | | |
| 10/22/2002 | 12.29 | 11.66 | 11.97 | 0.13 | 96 | | 11/22/2002 | 8.38 | 7.92 | 8.20 | 0.13 | 96 | | 12/22/2002 | 5.91 | 4.98 | 5.61 | 0.23 | 96 | | | | | | | | | | |
| 10/23/2002 | 11.66 | 11.20 | 11.43 | 0.14 | 96 | | 11/23/2002 | 7.92 | 7.45 | 7.70 | 0.13 | 96 | | 12/23/2002 | 5.91 | 5.44 | 5.74 | 0.15 | 96 | | | | | | | | | | |
| 10/24/2002 | 11.20 | 10.74 | 11.02 | 0.12 | 96 | | 11/24/2002 | 7.45 | 6.99 | 7.26 | 0.17 | 96 | | 12/24/2002 | 5.76 | 5.44 | 5.60 | 0.10 | 96 | | | | | | | | | | |
| 10/25/2002 | 11.05 | 10.43 | 10.78 | 0.17 | 96 | | 11/25/2002 | 7.15 | 6.68 | 6.95 | 0.17 | 96 | | 12/25/2002 | 5.76 | 4.51 | 5.32 | 0.38 | 96 | | | | | | | | | | |
| 10/26/2002 | 11.20 | 10.59 | 11.01 | 0.14 | 96 | | 11/26/2002 | 7.15 | 6.83 | 6.97 | 0.11 | 96 | | 12/26/2002 | 5.76 | 5.29 | 5.48 | 0.16 | 96 | | | | | | | | | | |
| 10/27/2002 | 10.59 | 10.27 | 10.42 | 0.13 | 100 | Standard | 11/27/2002 | 6.83 | 6.52 | 6.70 | 0.09 | 96 | | 12/27/2002 | 5.60 | 5.13 | 5.36 | 0.12 | 96 | | | | | | | | | | |
| 10/28/2002 | 11.20 | 10.59 | 10.81 | 0.22 | 96 | | 11/28/2002 | 7.61 | 6.83 | 7.28 | 0.27 | 96 | | 12/28/2002 | 5.29 | 4.67 | 4.90 | 0.14 | 96 | | | | | | | | | | |
| 10/29/2002 | 10.59 | 9.49 | 9.77 | 0.30 | 96 | | 11/29/2002 | 7.30 | 7.15 | 7.24 | 0.07 | 96 | | 12/29/2002 | 4.67 | 4.04 | 4.45 | 0.21 | 96 | | | | | | | | | | |
| 10/30/2002 | 9.49 | 8.87 | 9.17 | 0.13 | 96 | | 11/30/2002 | 7.15 | 6.68 | 6.77 | 0.16 | 96 | | 12/30/2002 | 5.13 | 4.35 | 4.84 | 0.29 | 96 | | | | | | | | | | |
| 10/31/2002 | 8.87 | 8.58 | 8.75 | 0.10 | 96 | | | | | | | | | 12/31/2002 | 4.98 | 4.35 | 4.79 | 0.16 | 96 | | | | | | | | | | |
| Oct-2002 | Max | Min | Mean | StDev | N | | Nov-2002 | Max | Min | Mean | StDev | N | | Dec-2002 | Max | Min | Mean | StDev | N | | | | | | | | | | |
| Max | 14.29 | 13.67 | 13.97 | 0.53 | 100.00 | | Max | 9.34 | 9.03 | 9.16 | 0.27 | 96.00 | | Max | 7.30 | 6.83 | 7.07 | 0.38 | 96.00 | | | | | | | | | | |
| Min | 8.87 | 8.58 | 8.75 | 0.10 | 96.00 | | Min | 6.83 | 6.52 | 6.70 | 0.00 | 95.00 | | Min | 4.67 | 4.04 | 4.45 | 0.04 | 96.00 | | | | | | | | | | |
| Mean | 12.48 | 11.79 | 12.12 | 0.22 | 96.13 | | Mean | 8.24 | 7.92 | 8.09 | 0.11 | 95.97 | | Mean | 6.24 | 5.78 | 6.02 | 0.14 | 96.00 | | | | | | | | | | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | | N | 31 | 31 | 31 | 31 | 31 | | | | | | | | | | |

Comments: October 27 2002 Change to Standard Time
 November 21 2002 Change to Onset Tidbit 378634

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | Temperature Correction Factor | | | | | | | | | |
|------------------------|------|------|------|-------|----------------------|----------|-----------|------|------|-------------------------------|-------|-------|----------|-----------|---------------------------|------|------|-------|-------|
| Longitude W 125 38.701 | | | | | Latitude N 50 39.039 | | | | | Temperature Logger | | | | | Calibration Date 9-Oct-02 | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 1/1/2003 | 5.13 | 4.67 | 5.04 | 0.14 | 96 | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count |
| 1/2/2003 | 5.44 | 4.82 | 5.10 | 0.19 | 96 | | 2/1/2003 | 5.60 | 5.29 | 5.41 | 0.11 | 96 | | 3/1/2003 | 6.22 | 4.82 | 5.43 | 0.48 | 96 |
| 1/3/2003 | 5.44 | 5.29 | 5.35 | 0.07 | 96 | | 2/2/2003 | 5.44 | 5.29 | 5.36 | 0.08 | 96 | | 3/2/2003 | 6.83 | 5.91 | 6.35 | 0.27 | 96 |
| 1/4/2003 | 5.60 | 5.29 | 5.42 | 0.08 | 96 | | 2/3/2003 | 5.44 | 4.98 | 5.25 | 0.15 | 96 | | 3/3/2003 | 6.37 | 5.13 | 5.81 | 0.34 | 96 |
| 1/5/2003 | 5.44 | 5.29 | 5.37 | 0.08 | 96 | | 2/4/2003 | 5.13 | 4.82 | 4.90 | 0.09 | 96 | | 3/4/2003 | 6.37 | 5.13 | 5.66 | 0.52 | 96 |
| 1/6/2003 | 5.44 | 5.13 | 5.27 | 0.09 | 96 | | 2/5/2003 | 4.98 | 4.67 | 4.86 | 0.09 | 96 | | 3/5/2003 | 6.37 | 5.60 | 5.96 | 0.20 | 96 |
| 1/7/2003 | 5.44 | 5.13 | 5.30 | 0.13 | 96 | | 2/6/2003 | 4.67 | 4.35 | 4.54 | 0.11 | 96 | | 3/6/2003 | 5.76 | 4.19 | 4.87 | 0.41 | 96 |
| 1/8/2003 | 5.29 | 4.82 | 5.02 | 0.17 | 96 | | 2/7/2003 | 4.98 | 4.51 | 4.67 | 0.14 | 96 | | 3/7/2003 | 4.51 | 3.42 | 4.14 | 0.37 | 96 |
| 1/9/2003 | 4.82 | 4.51 | 4.54 | 0.07 | 96 | | 2/8/2003 | 4.98 | 4.67 | 4.74 | 0.11 | 96 | | 3/8/2003 | 4.51 | 3.58 | 4.10 | 0.32 | 96 |
| 1/10/2003 | 4.51 | 4.04 | 4.18 | 0.12 | 96 | | 2/9/2003 | 5.29 | 4.82 | 5.01 | 0.18 | 96 | | 3/9/2003 | 4.19 | 2.94 | 3.52 | 0.31 | 96 |
| 1/11/2003 | 4.35 | 3.73 | 4.11 | 0.16 | 96 | | 2/10/2003 | 5.44 | 4.82 | 5.07 | 0.18 | 96 | | 3/10/2003 | 4.82 | 3.73 | 4.29 | 0.39 | 96 |
| 1/12/2003 | 4.67 | 4.19 | 4.51 | 0.14 | 96 | | 2/11/2003 | 5.13 | 4.51 | 4.95 | 0.15 | 96 | | 3/11/2003 | 4.82 | 4.19 | 4.58 | 0.21 | 96 |
| 1/13/2003 | 4.67 | 4.51 | 4.56 | 0.07 | 96 | | 2/12/2003 | 4.82 | 4.04 | 4.40 | 0.20 | 96 | | 3/12/2003 | 4.82 | 4.35 | 4.65 | 0.13 | 96 |
| 1/14/2003 | 4.82 | 4.35 | 4.60 | 0.18 | 96 | | 2/13/2003 | 4.51 | 3.89 | 4.19 | 0.22 | 96 | | 3/13/2003 | 5.13 | 4.35 | 4.81 | 0.19 | 96 |
| 1/15/2003 | 4.67 | 4.19 | 4.58 | 0.14 | 96 | | 2/14/2003 | 5.44 | 4.35 | 4.89 | 0.47 | 96 | | 3/14/2003 | 5.13 | 4.98 | 5.09 | 0.07 | 96 |
| 1/16/2003 | 4.82 | 4.51 | 4.69 | 0.11 | 96 | | 2/15/2003 | 5.44 | 5.29 | 5.36 | 0.08 | 96 | | 3/15/2003 | 5.29 | 4.98 | 5.16 | 0.10 | 96 |
| 1/17/2003 | 4.67 | 4.35 | 4.57 | 0.10 | 96 | | 2/16/2003 | 5.76 | 5.13 | 5.43 | 0.22 | 96 | | 3/16/2003 | 5.29 | 4.98 | 5.12 | 0.10 | 96 |
| 1/18/2003 | 4.35 | 3.89 | 4.05 | 0.14 | 96 | | 2/17/2003 | 5.76 | 4.98 | 5.18 | 0.21 | 96 | | 3/17/2003 | 5.44 | 4.98 | 5.13 | 0.15 | 96 |
| 1/19/2003 | 4.82 | 3.58 | 4.35 | 0.37 | 96 | | 2/18/2003 | 5.13 | 4.67 | 4.92 | 0.18 | 96 | | 3/18/2003 | 5.44 | 4.98 | 5.19 | 0.18 | 96 |
| 1/20/2003 | 5.13 | 4.67 | 4.85 | 0.18 | 96 | | 2/19/2003 | 5.44 | 4.98 | 5.20 | 0.13 | 96 | | 3/19/2003 | 5.29 | 4.98 | 5.18 | 0.09 | 96 |
| 1/21/2003 | 4.98 | 4.67 | 4.83 | 0.10 | 96 | | 2/20/2003 | 5.44 | 4.98 | 5.24 | 0.18 | 96 | | 3/20/2003 | 5.44 | 5.13 | 5.28 | 0.14 | 96 |
| 1/22/2003 | 4.82 | 3.58 | 4.13 | 0.44 | 96 | | 2/21/2003 | 5.76 | 5.13 | 5.44 | 0.22 | 96 | | 3/21/2003 | 5.44 | 5.13 | 5.22 | 0.11 | 96 |
| 1/23/2003 | 4.98 | 3.58 | 4.32 | 0.45 | 96 | | 2/22/2003 | 5.60 | 4.82 | 5.24 | 0.21 | 96 | | 3/22/2003 | 5.76 | 5.13 | 5.39 | 0.22 | 96 |
| 1/24/2003 | 5.13 | 4.82 | 5.01 | 0.13 | 96 | | 2/23/2003 | 4.98 | 4.35 | 4.62 | 0.19 | 96 | | 3/23/2003 | 5.76 | 5.29 | 5.46 | 0.16 | 96 |
| 1/25/2003 | 5.29 | 4.98 | 5.19 | 0.10 | 96 | | 2/24/2003 | 4.82 | 4.04 | 4.38 | 0.24 | 96 | | 3/24/2003 | 5.76 | 4.98 | 5.30 | 0.26 | 96 |
| 1/26/2003 | 5.60 | 5.13 | 5.29 | 0.14 | 96 | | 2/25/2003 | 5.44 | 4.19 | 4.80 | 0.39 | 96 | | 3/25/2003 | 5.91 | 5.13 | 5.48 | 0.32 | 96 |
| 1/27/2003 | 5.29 | 4.98 | 5.11 | 0.06 | 96 | | 2/26/2003 | 5.29 | 4.51 | 4.88 | 0.21 | 96 | | 3/26/2003 | 6.83 | 5.29 | 5.93 | 0.49 | 96 |
| 1/28/2003 | 5.13 | 4.98 | 5.06 | 0.08 | 96 | | 2/27/2003 | 5.60 | 4.19 | 4.86 | 0.54 | 96 | | 3/27/2003 | 6.83 | 6.07 | 6.43 | 0.20 | 96 |
| 1/29/2003 | 5.13 | 4.98 | 4.99 | 0.04 | 96 | | 2/28/2003 | 6.07 | 5.13 | 5.47 | 0.23 | 96 | | 3/28/2003 | 6.83 | 6.07 | 6.44 | 0.22 | 96 |
| 1/30/2003 | 5.13 | 4.98 | 5.06 | 0.08 | 96 | | | | | | | | | 3/29/2003 | 6.37 | 5.91 | 6.03 | 0.13 | 96 |
| 1/31/2003 | 5.60 | 5.13 | 5.35 | 0.16 | 96 | | | | | | | | | 3/30/2003 | 6.37 | 5.91 | 6.07 | 0.17 | 96 |
| | | | | | | | | | | | | | | 3/31/2003 | 6.52 | 5.91 | 6.15 | 0.17 | 96 |
| Jan-2003 | Max | Min | Mean | Stdev | N | | Feb-2003 | Max | Min | Mean | Stdev | N | | Mar-2003 | Max | Min | Mean | Stdev | N |
| Max | 5.60 | 5.29 | 5.42 | 0.45 | 96.00 | | Max | 6.07 | 5.29 | 5.47 | 0.54 | 96.00 | | Max | 6.83 | 6.07 | 6.44 | 0.52 | 96.00 |
| Min | 4.35 | 3.58 | 4.05 | 0.04 | 96.00 | | Min | 4.51 | 3.89 | 4.19 | 0.08 | 96.00 | | Min | 4.19 | 2.94 | 3.52 | 0.07 | 96.00 |
| Mean | 5.05 | 4.61 | 4.83 | 0.15 | 96.00 | | Mean | 5.30 | 4.69 | 4.97 | 0.20 | 96.00 | | Mean | 5.69 | 4.94 | 5.30 | 0.24 | 96.00 |
| N | 31 | 31 | 31 | 31 | 31 | | N | 28 | 28 | 28 | 28 | 28 | | N | 31 | 31 | 31 | 31 | 31 |

Comments:

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | | | | | | | | | |
|------------------------|-------|-------|-------|-------|----------------------|----------|-----------|-------|-------|--------------------|-------|-------|----------|-----------|-------------------------------|-------|-------|-------|----------|----------|-----------|-------|-------|-------|----------|----------|----------|-----------|-------|-------|-------|------|----|--|
| Longitude W 125 38.701 | | | | | Latitude N 50 39.039 | | | | | Temperature Logger | | | | | Calibration Date 9-Oct-02 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UTM E | | | | | UTM N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | | | | | | | |
| 4/1/2003 | 6.37 | 5.60 | 5.92 | 0.27 | 96 | | 5/1/2003 | 11.76 | 8.99 | 9.99 | 0.67 | 96 | | 6/1/2003 | 15.65 | 14.39 | 15.04 | 0.29 | 96 | | 6/2/2003 | 15.97 | 13.62 | 14.61 | 0.72 | 96 | | | | | | | | |
| 4/2/2003 | 7.45 | 5.76 | 6.40 | 0.61 | 96 | | 5/2/2003 | 10.38 | 8.84 | 9.65 | 0.56 | 96 | | 6/3/2003 | 15.34 | 13.01 | 14.25 | 0.63 | 96 | | 6/4/2003 | 16.28 | 13.62 | 14.80 | 1.00 | 96 | | | | | | | | |
| 4/3/2003 | 7.15 | 6.37 | 6.72 | 0.30 | 96 | | 5/3/2003 | 12.08 | 10.38 | 11.13 | 0.58 | 96 | | 6/5/2003 | 18.83 | 14.54 | 16.34 | 1.58 | 96 | | 6/6/2003 | 18.99 | 15.49 | 16.90 | 1.26 | 96 | | | | | | | | |
| 4/4/2003 | 7.61 | 6.37 | 6.95 | 0.39 | 96 | | 5/4/2003 | 11.76 | 10.54 | 10.95 | 0.32 | 96 | | 6/7/2003 | 17.71 | 15.34 | 16.40 | 0.74 | 96 | | 6/8/2003 | 16.43 | 15.02 | 15.58 | 0.41 | 96 | | | | | | | | |
| 4/5/2003 | 7.30 | 6.68 | 6.92 | 0.14 | 96 | | 5/5/2003 | 12.23 | 9.45 | 10.85 | 0.77 | 96 | | 6/9/2003 | 17.22 | 14.70 | 15.80 | 1.04 | 96 | | 6/10/2003 | 18.35 | 15.65 | 16.76 | 0.97 | 96 | | | | | | | | |
| 4/6/2003 | 7.30 | 6.37 | 6.80 | 0.27 | 92 | Daylight | 5/6/2003 | 12.70 | 10.07 | 11.23 | 0.74 | 96 | | 6/11/2003 | 18.50 | 16.43 | 17.38 | 0.87 | 96 | | 6/12/2003 | 18.19 | 16.75 | 17.40 | 0.35 | 96 | | | | | | | | |
| 4/7/2003 | 6.68 | 5.76 | 5.92 | 0.21 | 96 | | 5/7/2003 | 12.23 | 10.54 | 11.30 | 0.60 | 96 | | 6/13/2003 | 18.03 | 16.28 | 17.04 | 0.61 | 96 | | 6/14/2003 | 16.75 | 15.97 | 16.11 | 0.23 | 96 | | | | | | | | |
| 4/8/2003 | 6.07 | 5.60 | 5.98 | 0.11 | 96 | | 5/8/2003 | 13.32 | 11.15 | 11.96 | 0.62 | 96 | | 6/15/2003 | 17.38 | 15.65 | 16.42 | 0.65 | 96 | | 6/16/2003 | 18.83 | 16.12 | 17.39 | 1.06 | 96 | | | | | | | | |
| 4/9/2003 | 6.52 | 5.76 | 6.12 | 0.26 | 96 | | 5/9/2003 | 14.23 | 11.15 | 12.35 | 0.96 | 96 | | 6/17/2003 | 19.48 | 17.22 | 18.38 | 0.81 | 96 | | 6/18/2003 | 19.32 | 17.38 | 18.25 | 0.57 | 96 | | | | | | | | |
| 4/10/2003 | 6.99 | 6.07 | 6.38 | 0.30 | 96 | | 5/10/2003 | 16.75 | 12.08 | 13.70 | 1.51 | 96 | | 6/19/2003 | 18.35 | 16.59 | 17.31 | 0.55 | 96 | | 6/20/2003 | 17.22 | 16.28 | 16.71 | 0.30 | 96 | | | | | | | | |
| 4/11/2003 | 6.83 | 6.22 | 6.41 | 0.17 | 96 | | 5/11/2003 | 13.92 | 11.45 | 12.43 | 0.82 | 96 | | 6/21/2003 | 18.19 | 16.12 | 16.90 | 0.70 | 96 | | 6/22/2003 | 17.54 | 16.28 | 16.81 | 0.44 | 96 | | | | | | | | |
| 4/12/2003 | 7.92 | 6.22 | 6.85 | 0.57 | 96 | | 5/12/2003 | 14.08 | 11.92 | 12.80 | 0.64 | 96 | | 6/23/2003 | 18.19 | 15.97 | 16.93 | 0.81 | 96 | | 6/24/2003 | 19.48 | 15.65 | 17.33 | 1.43 | 96 | | | | | | | | |
| 4/13/2003 | 8.38 | 6.83 | 7.68 | 0.38 | 96 | | 5/13/2003 | 13.32 | 12.54 | 13.08 | 0.24 | 96 | | 6/25/2003 | 20.13 | 16.59 | 18.13 | 1.22 | 96 | | 6/26/2003 | 20.13 | 17.38 | 18.65 | 1.10 | 96 | | | | | | | | |
| 4/14/2003 | 8.38 | 7.61 | 7.93 | 0.23 | 96 | | 5/14/2003 | 13.47 | 12.23 | 12.74 | 0.40 | 96 | | 6/27/2003 | 20.29 | 17.54 | 18.87 | 0.96 | 96 | | 6/28/2003 | 21.42 | 17.54 | 19.38 | 1.43 | 96 | | | | | | | | |
| 4/15/2003 | 7.92 | 7.45 | 7.71 | 0.16 | 96 | | 5/15/2003 | 13.01 | 11.76 | 12.38 | 0.35 | 96 | | 6/29/2003 | 19.81 | 17.87 | 18.89 | 0.66 | 96 | | 6/30/2003 | 18.67 | 17.38 | 18.05 | 0.30 | 96 | | | | | | | | |
| 4/16/2003 | 7.61 | 7.15 | 7.38 | 0.12 | 96 | | 5/16/2003 | 13.01 | 11.61 | 12.23 | 0.34 | 96 | | Apr-2003 | Max | Min | Mean | Stdev | N | May-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | | | |
| 4/17/2003 | 8.07 | 6.99 | 7.48 | 0.32 | 96 | | 5/17/2003 | 13.47 | 11.61 | 12.36 | 0.64 | 96 | | Max | 16.43 | 10.54 | 13.35 | 1.56 | 96.00 | Max | 17.07 | 13.47 | 14.94 | 1.59 | 96.00 | Max | 21.42 | 17.87 | 19.38 | 1.58 | 96.00 | | | |
| 4/18/2003 | 7.61 | 6.99 | 7.32 | 0.18 | 96 | | 5/18/2003 | 14.08 | 11.76 | 12.88 | 0.93 | 96 | | Min | 6.07 | 5.60 | 5.92 | 0.11 | 92.00 | Min | 10.38 | 7.92 | 9.65 | 0.11 | 96.00 | Min | 15.34 | 13.01 | 14.25 | 0.23 | 96.00 | | | |
| 4/19/2003 | 7.30 | 6.99 | 7.10 | 0.13 | 96 | | 5/19/2003 | 14.86 | 12.70 | 13.71 | 0.82 | 96 | | Mean | 8.27 | 7.01 | 7.56 | 0.39 | 95.87 | Mean | 13.51 | 11.49 | 12.40 | 0.63 | 96.00 | Mean | 18.22 | 15.95 | 16.96 | 0.79 | 96.00 | | | |
| 4/20/2003 | 7.45 | 6.99 | 7.20 | 0.14 | 96 | | 5/20/2003 | 14.39 | 13.47 | 13.93 | 0.22 | 96 | | N | 30 | 30 | 30 | 30 | 30 | N | 31 | 31 | 31 | 31 | 31 | N | 30 | 30 | 30 | 30 | 30 | | | |
| 4/21/2003 | 7.30 | 6.68 | 7.02 | 0.17 | 96 | | 5/21/2003 | 13.77 | 12.39 | 13.28 | 0.30 | 96 | | 5/22/2003 | 12.39 | 7.92 | 10.41 | 1.42 | 96 | | 5/23/2003 | 12.54 | 11.76 | 12.24 | 0.14 | 96 | | 5/24/2003 | 12.23 | 11.76 | 12.10 | 0.13 | 96 | |
| 4/22/2003 | 8.84 | 6.52 | 7.56 | 0.84 | 96 | | 5/25/2003 | 12.39 | 11.61 | 11.86 | 0.24 | 96 | | 5/26/2003 | 13.47 | 11.30 | 12.36 | 0.81 | 96 | | 5/27/2003 | 13.32 | 12.85 | 13.06 | 0.11 | 96 | | 5/28/2003 | 14.39 | 12.54 | 13.33 | 0.62 | 96 | |
| 4/23/2003 | 7.92 | 7.30 | 7.64 | 0.18 | 96 | | 5/28/2003 | 14.39 | 12.54 | 13.33 | 0.62 | 96 | | 5/29/2003 | 17.07 | 13.01 | 14.73 | 1.59 | 96 | | 5/30/2003 | 16.12 | 13.47 | 14.42 | 0.67 | 96 | | 5/31/2003 | 16.12 | 13.47 | 14.94 | 0.87 | 96 | |
| 4/24/2003 | 8.07 | 7.45 | 7.77 | 0.22 | 96 | | 5/29/2003 | 17.07 | 13.01 | 14.73 | 1.59 | 96 | | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | | | |
| 4/25/2003 | 8.53 | 7.45 | 7.89 | 0.31 | 96 | | 5/30/2003 | 17.07 | 13.01 | 14.73 | 1.59 | 96 | | Max | 16.43 | 10.54 | 13.35 | 1.56 | 96.00 | Max | 21.42 | 17.87 | 19.38 | 1.58 | 96.00 | Max | 21.42 | 17.87 | 19.38 | 1.58 | 96.00 | | | |
| 4/26/2003 | 8.07 | 7.45 | 7.72 | 0.21 | 96 | | 5/31/2003 | 16.12 | 13.47 | 14.42 | 0.67 | 96 | | Min | 6.07 | 5.60 | 5.92 | 0.11 | 92.00 | Min | 10.38 | 7.92 | 9.65 | 0.11 | 96.00 | Min | 15.34 | 13.01 | 14.25 | 0.23 | 96.00 | | | |
| 4/27/2003 | 10.22 | 7.45 | 8.67 | 0.95 | 96 | | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | | | | |
| 4/28/2003 | 12.08 | 9.45 | 10.49 | 0.77 | 96 | | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | | | | |
| 4/29/2003 | 13.62 | 10.07 | 11.37 | 1.16 | 96 | | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | | | | |
| 4/30/2003 | 16.43 | 10.54 | 13.35 | 1.56 | 96 | | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | Jun-2003 | Max | Min | Mean | Stdev | N | | | | |

Comments:

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------------|-------|--------|-------|-------|----------|-----------|-------------------------------|----------------|-------|-------|-------|----------|-----------|-------|-------|-------|-------|-------|----------|
| Temperature Logger | | | | | | | | Temperature Correction Factor | | | | | | | | | | | | |
| Longitude | W 125 38.701 | Onset | Tidbit | | | | | Calibration Date | 9-Oct-02 | | | | | | | | | | | |
| Latitude | N 50 39.039 | | | | | | | a= 0.051246269 | | | | | | | | | | | | |
| UTM E | | | | | | | | | b= 0.997447686 | | | | | | | | | | | |
| UTM N | | | | | | | | | | | | | | | | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 7/1/2003 | 19.81 | 16.91 | 18.26 | 1.11 | 96 | | 8/1/2003 | 21.10 | 18.99 | 20.05 | 0.69 | 96 | | 9/1/2003 | 18.50 | 16.91 | 17.67 | 0.54 | 96 | |
| 7/2/2003 | 19.48 | 17.71 | 18.63 | 0.58 | 96 | | 8/2/2003 | 21.26 | 18.83 | 19.98 | 0.85 | 96 | | 9/2/2003 | 18.67 | 16.75 | 17.68 | 0.64 | 96 | |
| 7/3/2003 | 20.29 | 18.19 | 19.12 | 0.72 | 96 | | 8/3/2003 | 21.10 | 18.50 | 19.78 | 0.94 | 96 | | 9/3/2003 | 18.83 | 17.38 | 18.03 | 0.50 | 96 | |
| 7/4/2003 | 19.16 | 18.19 | 18.65 | 0.31 | 96 | | 8/4/2003 | 21.76 | 18.35 | 20.00 | 1.19 | 96 | | 9/4/2003 | 19.48 | 17.54 | 18.43 | 0.67 | 96 | |
| 7/5/2003 | 21.10 | 18.35 | 19.47 | 1.04 | 96 | | 8/5/2003 | 21.26 | 18.83 | 20.10 | 0.87 | 96 | | 9/5/2003 | 19.16 | 18.19 | 18.54 | 0.21 | 96 | |
| 7/6/2003 | 20.45 | 17.54 | 18.86 | 1.05 | 96 | | 8/6/2003 | 20.93 | 18.50 | 19.79 | 0.83 | 96 | | 9/6/2003 | 18.19 | 17.38 | 17.68 | 0.20 | 96 | |
| 7/7/2003 | 19.81 | 17.87 | 18.78 | 0.69 | 96 | | 8/7/2003 | 22.09 | 18.99 | 20.59 | 1.12 | 96 | | 9/7/2003 | 17.38 | 16.28 | 16.99 | 0.35 | 96 | |
| 7/8/2003 | 19.32 | 18.03 | 18.76 | 0.45 | 96 | | 8/8/2003 | 21.92 | 19.81 | 20.95 | 0.77 | 96 | | 9/8/2003 | 18.50 | 16.75 | 17.54 | 0.67 | 96 | |
| 7/9/2003 | 20.93 | 18.35 | 19.60 | 1.06 | 96 | | 8/9/2003 | 22.60 | 20.45 | 21.39 | 0.64 | 96 | | 9/9/2003 | 19.32 | 17.38 | 18.24 | 0.62 | 96 | |
| 7/10/2003 | 22.42 | 19.16 | 20.81 | 1.12 | 96 | | 8/10/2003 | 21.59 | 20.29 | 20.92 | 0.48 | 96 | | 9/10/2003 | 18.19 | 17.07 | 17.53 | 0.29 | 96 | |
| 7/11/2003 | 23.10 | 20.29 | 21.48 | 0.83 | 96 | | 8/11/2003 | 21.10 | 19.97 | 20.35 | 0.28 | 96 | | 9/11/2003 | 18.50 | 16.91 | 17.49 | 0.54 | 95 | |
| 7/12/2003 | 21.76 | 20.29 | 20.76 | 0.38 | 96 | | 8/12/2003 | 21.10 | 19.32 | 20.07 | 0.62 | 96 | | 9/12/2003 | 18.19 | 16.91 | 17.39 | 0.42 | 96 | |
| 7/13/2003 | 20.29 | 19.48 | 19.99 | 0.25 | 96 | | 8/13/2003 | 20.61 | 19.32 | 19.92 | 0.33 | 96 | | 9/13/2003 | 16.91 | 16.28 | 16.62 | 0.20 | 96 | |
| 7/14/2003 | 19.48 | 17.87 | 18.68 | 0.41 | 96 | | 8/14/2003 | 22.60 | 18.83 | 20.56 | 1.39 | 95 | | 9/14/2003 | 18.03 | 16.28 | 16.91 | 0.60 | 96 | |
| 7/15/2003 | 20.29 | 17.54 | 18.79 | 0.99 | 96 | | 8/15/2003 | 22.42 | 19.81 | 21.18 | 0.89 | 96 | | 9/15/2003 | 17.07 | 16.43 | 16.71 | 0.20 | 96 | |
| 7/16/2003 | 19.32 | 18.03 | 18.70 | 0.31 | 96 | | 8/16/2003 | 21.76 | 19.81 | 20.47 | 0.47 | 96 | | 9/16/2003 | 17.22 | 15.97 | 16.57 | 0.42 | 96 | |
| 7/17/2003 | 20.93 | 17.87 | 19.13 | 1.13 | 96 | | 8/17/2003 | 21.42 | 19.65 | 20.58 | 0.69 | 96 | | 9/17/2003 | 16.28 | 15.02 | 15.77 | 0.31 | 96 | |
| 7/18/2003 | 23.27 | 19.16 | 20.86 | 1.53 | 96 | | 8/18/2003 | 22.26 | 20.45 | 21.20 | 0.65 | 96 | | 9/18/2003 | 15.18 | 14.39 | 14.82 | 0.18 | 96 | |
| 7/19/2003 | 21.92 | 20.13 | 20.79 | 0.46 | 96 | | 8/19/2003 | 21.42 | 19.81 | 20.42 | 0.38 | 96 | | 9/19/2003 | 15.65 | 14.86 | 15.12 | 0.25 | 96 | |
| 7/20/2003 | 21.42 | 19.65 | 20.52 | 0.60 | 96 | | 8/20/2003 | 20.29 | 18.83 | 19.58 | 0.43 | 96 | | 9/20/2003 | 15.65 | 14.39 | 14.96 | 0.39 | 96 | |
| 7/21/2003 | 22.09 | 19.32 | 20.71 | 0.78 | 96 | | 8/21/2003 | 20.29 | 18.67 | 19.43 | 0.56 | 96 | | 9/21/2003 | 15.18 | 14.54 | 14.89 | 0.21 | 96 | |
| 7/22/2003 | 21.10 | 18.35 | 19.52 | 0.97 | 96 | | 8/22/2003 | 19.97 | 18.50 | 19.29 | 0.48 | 96 | | 9/22/2003 | 15.65 | 14.86 | 15.14 | 0.32 | 96 | |
| 7/23/2003 | 20.61 | 18.35 | 19.26 | 0.78 | 96 | | 8/23/2003 | 19.16 | 17.71 | 18.25 | 0.37 | 96 | | 9/23/2003 | 15.97 | 14.70 | 15.32 | 0.31 | 96 | |
| 7/24/2003 | 20.93 | 18.35 | 19.42 | 0.91 | 96 | | 8/24/2003 | 17.54 | 16.12 | 16.67 | 0.33 | 96 | | 9/24/2003 | 15.02 | 14.39 | 14.69 | 0.20 | 96 | |
| 7/25/2003 | 21.76 | 18.35 | 19.86 | 1.26 | 96 | | 8/25/2003 | 16.12 | 14.23 | 15.05 | 0.52 | 96 | | 9/25/2003 | 15.81 | 14.54 | 15.00 | 0.45 | 96 | |
| 7/26/2003 | 21.42 | 18.83 | 19.97 | 0.87 | 96 | | 8/26/2003 | 17.87 | 14.08 | 15.86 | 1.46 | 96 | | 9/26/2003 | 15.49 | 14.54 | 14.99 | 0.30 | 96 | |
| 7/27/2003 | 21.10 | 18.67 | 19.63 | 0.85 | 96 | | 8/27/2003 | 19.48 | 17.22 | 18.08 | 0.84 | 96 | | 9/27/2003 | 15.97 | 14.08 | 15.03 | 0.76 | 96 | |
| 7/28/2003 | 21.59 | 18.35 | 19.76 | 1.20 | 96 | | 8/28/2003 | 19.81 | 17.22 | 18.41 | 0.84 | 96 | | 9/28/2003 | 16.43 | 15.34 | 16.01 | 0.36 | 96 | |
| 7/29/2003 | 22.26 | 18.67 | 20.31 | 1.28 | 96 | | 8/29/2003 | 19.97 | 17.54 | 18.71 | 0.85 | 96 | | 9/29/2003 | 16.59 | 15.34 | 16.06 | 0.38 | 96 | |
| 7/30/2003 | 21.59 | 18.67 | 20.07 | 0.98 | 96 | | 8/30/2003 | 19.81 | 18.03 | 18.94 | 0.56 | 96 | | 9/30/2003 | 16.43 | 15.49 | 15.94 | 0.33 | 96 | |
| 7/31/2003 | 21.42 | 18.67 | 20.05 | 0.98 | 96 | | 8/31/2003 | 18.99 | 17.87 | 18.25 | 0.32 | 96 | | | | | | | | |
| Jul-2003 | Max | Min | Mean | Stdev | N | | Aug-2003 | Max | Min | Mean | Stdev | N | | Sep-2003 | Max | Min | Mean | Stdev | N | |
| Max | 23.27 | 20.29 | 21.48 | 1.53 | 96.00 | | Max | 22.60 | 20.45 | 21.39 | 1.46 | 96.00 | | Max | 19.48 | 18.19 | 18.54 | 0.76 | 96.00 | |
| Min | 19.16 | 16.91 | 18.26 | 0.25 | 96.00 | | Min | 16.12 | 14.08 | 15.05 | 0.28 | 95.00 | | Min | 15.02 | 14.08 | 14.69 | 0.18 | 95.00 | |
| Mean | 20.98 | 18.55 | 19.65 | 0.83 | 96.00 | | Mean | 20.63 | 18.53 | 19.51 | 0.70 | 95.97 | | Mean | 17.11 | 15.90 | 16.46 | 0.39 | 95.97 | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | |

Comments:

Monthly Daily Water Temperatures

| Glendale Lake | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | |
|------------------------|-------|-------|-------|-------|----------------------|----------|-----------|-----|-----|---------------------------------|-------|-------|----------|-----------|---------------------------|-----|------|-------|-------|----------|
| Longitude W 125 38.701 | | | | | Latitude N 50 39.039 | | | | | Temperature Logger Onset Tidbit | | | | | Calibration Date 9-Oct-02 | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| UTM E | | | | | UTM N | | | | | | | | | | | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 10/1/2003 | 16.28 | 15.18 | 15.70 | 0.38 | 96 | | 11/1/2003 | | | | | | | 12/1/2004 | | | | | | |
| 10/2/2003 | 15.65 | 15.18 | 15.41 | 0.17 | 96 | | | | | | | | | | | | | | | |
| 10/3/2003 | 15.49 | 14.86 | 15.25 | 0.22 | 96 | | | | | | | | | | | | | | | |
| 10/4/2003 | 15.34 | 14.70 | 15.03 | 0.14 | 96 | | | | | | | | | | | | | | | |
| 10/5/2003 | 15.18 | 14.70 | 14.87 | 0.12 | 96 | | | | | | | | | | | | | | | |
| 10/6/2003 | 14.70 | 13.77 | 14.13 | 0.25 | 96 | | | | | | | | | | | | | | | |
| 10/7/2003 | 14.70 | 13.77 | 14.23 | 0.34 | 96 | | | | | | | | | | | | | | | |
| 10/8/2003 | 14.54 | 13.47 | 14.02 | 0.25 | 96 | | | | | | | | | | | | | | | |
| 10/9/2003 | 13.62 | 13.01 | 13.36 | 0.19 | 96 | | | | | | | | | | | | | | | |
| 10/10/2003 | 13.62 | 13.16 | 13.36 | 0.16 | 96 | | | | | | | | | | | | | | | |
| 10/11/2003 | 13.32 | 12.39 | 12.82 | 0.27 | 96 | | | | | | | | | | | | | | | |
| 10/12/2003 | 12.54 | 11.92 | 12.27 | 0.17 | 96 | | | | | | | | | | | | | | | |
| 10/13/2003 | 12.70 | 12.08 | 12.36 | 0.14 | 96 | | | | | | | | | | | | | | | |
| 10/14/2003 | 12.39 | 11.92 | 12.11 | 0.13 | 55 | | | | | | | | | | | | | | | |

| Oct-2003 | Max | Min | Mean | Stdev | N | Nov-2003 | Max | Min | Mean | Stdev | N | Dec-2004 | Max | Min | Mean | Stdev | N |
|----------|-------|-------|-------|-------|-------|----------|-----|-----|------|-------|---|----------|-----|-----|------|-------|---|
| Max | 16.28 | 15.18 | 15.70 | 0.38 | 96.00 | Max | | | | | | Max | | | | | |
| Min | 12.39 | 11.92 | 12.11 | 0.12 | 55.00 | Min | | | | | | Min | | | | | |
| Mean | 14.29 | 13.58 | 13.92 | 0.21 | 93.07 | Mean | | | | | | Mean | | | | | |
| N | 14 | 14 | 14 | 14 | 14 | N | | | | | | N | | | | | |

Comments: October 14 2003 Last download, Probe still logging

Monthly Daily Water Temperatures

Glendale Spawning Channel Inlet

Temperature Logger
Onset Tidbit
204827

Temperature Correction Factor
Calibration Date 26-Oct-99
a= -0.211526367
b= 1.000760103

| Longitude | W 125 43.3295 | Latitude | N 50 39.0673 | UTM E | UTM N | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
|-----------|---------------|----------|--------------|-------|-------|-----------|------|-----|------|-------|-------|----------|-----------|-------|-------|-------|-------|-------|----------|
| 7/1/1998 | | | | | | 8/1/1998 | | | | | | | 9/1/1998 | | | | | | |
| 7/2/1998 | | | | | | 8/2/1998 | | | | | | | 9/2/1998 | | | | | | |
| 7/3/1998 | | | | | | 8/3/1998 | | | | | | | 9/3/1998 | | | | | | |
| 7/4/1998 | | | | | | 8/4/1998 | | | | | | | 9/4/1998 | | | | | | |
| 7/5/1998 | | | | | | 8/5/1998 | | | | | | | 9/5/1998 | | | | | | |
| 7/6/1998 | | | | | | 8/6/1998 | | | | | | | 9/6/1998 | | | | | | |
| 7/7/1998 | | | | | | 8/7/1998 | | | | | | | 9/7/1998 | | | | | | |
| 7/8/1998 | | | | | | 8/8/1998 | | | | | | | 9/8/1998 | | | | | | |
| 7/9/1998 | | | | | | 8/9/1998 | | | | | | | 9/9/1998 | | | | | | |
| 7/10/1998 | | | | | | 8/10/1998 | | | | | | | 9/10/1998 | | | | | | |
| 7/11/1998 | | | | | | 8/11/1998 | | | | | | | 9/11/1998 | | | | | | |
| 7/12/1998 | | | | | | 8/12/1998 | | | | | | | 9/12/1998 | | | | | | |
| 7/13/1998 | | | | | | 8/13/1998 | | | | | | | 9/13/1998 | | | | | | |
| 7/14/1998 | | | | | | 8/14/1998 | | | | | | | 9/14/1998 | | | | | | |
| 7/15/1998 | | | | | | 8/15/1998 | | | | | | | 9/15/1998 | | | | | | |
| 7/16/1998 | | | | | | 8/16/1998 | | | | | | | 9/16/1998 | | | | | | |
| 7/17/1998 | | | | | | 8/17/1998 | | | | | | | 9/17/1998 | | | | | | |
| 7/18/1998 | | | | | | 8/18/1998 | | | | | | | 9/18/1998 | | | | | | |
| 7/19/1998 | | | | | | 8/19/1998 | | | | | | | 9/19/1998 | | | | | | |
| 7/20/1998 | | | | | | 8/20/1998 | | | | | | | 9/20/1998 | | | | | | |
| 7/21/1998 | | | | | | 8/21/1998 | | | | | | | 9/21/1998 | | | | | | |
| 7/22/1998 | | | | | | 8/22/1998 | | | | | | | 9/22/1998 | | | | | | |
| 7/23/1998 | | | | | | 8/23/1998 | | | | | | | 9/23/1998 | | | | | | |
| 7/24/1998 | | | | | | 8/24/1998 | | | | | | | 9/24/1998 | | | | | | |
| 7/25/1998 | | | | | | 8/25/1998 | | | | | | | 9/25/1998 | | | | | | |
| 7/26/1998 | | | | | | 8/26/1998 | | | | | | | 9/26/1998 | | | | | | |
| 7/27/1998 | | | | | | 8/27/1998 | | | | | | | 9/27/1998 | | | | | | |
| 7/28/1998 | | | | | | 8/28/1998 | | | | | | | 9/28/1998 | | | | | | |
| 7/29/1998 | | | | | | 8/29/1998 | | | | | | | 9/29/1998 | | | | | | |
| 7/30/1998 | | | | | | 8/30/1998 | | | | | | | 9/30/1998 | 16.85 | 15.27 | 16.13 | 0.48 | 50 | |
| 7/31/1998 | | | | | | 8/31/1998 | | | | | | | | | | | | | |
| Jul-1998 | Max | Min | Mean | Stdev | N | Aug-1998 | Max | Min | Mean | Stdev | N | Sep-1998 | Max | Min | Mean | Stdev | N | | |
| | Max | Min | Mean | | | | Max | Min | Mean | | | | Max | 16.85 | 15.27 | 16.13 | 0.48 | 50.00 | |
| | Min | | | | | | Min | | | | | | Min | 16.85 | 15.27 | 16.13 | 0.48 | 50.00 | |
| | Mean | | | | | | Mean | | | | | | Mean | 16.85 | 15.27 | 16.13 | 0.48 | 50.00 | |
| | N | | | | | | N | | | | | | N | 1 | 1 | 1 | 1 | 1 | |

Comments: Install Onset Tidbit 204827 at head of Glendale Spawning Channel October 30 1998

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | |
|---------------------------------|---------------|--------------|-------|----------|--|-------------------------------|-------|-------|-------|-------------------------------|----------------|-------|------------|------|------|------|--------|-------|-------|----------|--|
| Longitude | W 125 43.3295 | | | | Temperature Logger Onset Tidbit 204827 | Calibration Date 26-Oct-99 | | | | a= -0.211526367 | b= 1.000760103 | | | | | | | | | | |
| | Latitude | N 50 39.0673 | Count | Comments | | Date | Max | Min | Mean | StDev | | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | |
| 10/1/1998 | 15.59 | 15.11 | 15.36 | 0.14 | 96 | 11/1/1998 | 10.31 | 10.15 | 10.28 | 0.06 | 96 | | 12/1/1998 | 6.75 | 6.59 | 6.60 | 0.04 | 96 | | | |
| 10/2/1998 | 16.22 | 14.79 | 15.34 | 0.50 | 96 | 11/2/1998 | 10.46 | 9.84 | 10.14 | 0.21 | 96 | | 12/2/1998 | 6.75 | 6.59 | 6.61 | 0.06 | 96 | | | |
| 10/3/1998 | 15.43 | 14.96 | 15.15 | 0.17 | 96 | 11/3/1998 | 10.31 | 9.99 | 10.18 | 0.07 | 96 | | 12/3/1998 | 6.59 | 6.59 | 6.59 | 0.00 | 96 | | | |
| 10/4/1998 | 15.11 | 14.48 | 14.84 | 0.17 | 96 | 11/4/1998 | 10.15 | 9.68 | 9.83 | 0.14 | 96 | | 12/4/1998 | 6.59 | 6.43 | 6.54 | 0.08 | 96 | | | |
| 10/5/1998 | 14.48 | 14.17 | 14.33 | 0.07 | 96 | 11/5/1998 | 9.84 | 9.53 | 9.69 | 0.08 | 96 | | 12/5/1998 | 6.43 | 6.28 | 6.38 | 0.07 | 96 | | | |
| 10/6/1998 | 14.64 | 14.17 | 14.36 | 0.20 | 96 | 11/6/1998 | 9.68 | 9.22 | 9.39 | 0.14 | 96 | | 12/6/1998 | 6.28 | 6.12 | 6.26 | 0.06 | 96 | | | |
| 10/7/1998 | 14.48 | 13.39 | 14.13 | 0.17 | 96 | 11/7/1998 | 9.37 | 8.91 | 9.10 | 0.16 | 96 | | 12/7/1998 | 6.28 | 6.12 | 6.22 | 0.08 | 96 | | | |
| 10/8/1998 | 13.86 | 13.39 | 13.60 | 0.15 | 96 | 11/8/1998 | 9.22 | 8.91 | 9.07 | 0.08 | 96 | | 12/8/1998 | 6.28 | 6.12 | 6.22 | 0.08 | 96 | | | |
| 10/9/1998 | 13.70 | 13.24 | 13.41 | 0.17 | 96 | 11/9/1998 | 9.06 | 8.76 | 8.86 | 0.11 | 96 | | 12/9/1998 | 6.12 | 6.12 | 6.12 | 0.00 | 96 | | | |
| 10/10/1998 | 13.86 | 13.09 | 13.41 | 0.34 | 96 | 11/10/1998 | 8.91 | 8.61 | 8.75 | 0.10 | 96 | | 12/10/1998 | 6.28 | 6.12 | 6.20 | 0.08 | 96 | | | |
| 10/11/1998 | 13.70 | 13.09 | 13.30 | 0.17 | 96 | 11/11/1998 | 8.61 | 8.28 | 8.42 | 0.11 | 96 | | 12/11/1998 | 6.28 | 6.12 | 6.14 | 0.05 | 96 | | | |
| 10/12/1998 | 13.09 | 12.47 | 12.69 | 0.19 | 96 | 11/12/1998 | 8.45 | 8.13 | 8.32 | 0.12 | 96 | | 12/12/1998 | 6.43 | 6.12 | 6.21 | 0.08 | 96 | | | |
| 10/13/1998 | 12.78 | 12.32 | 12.48 | 0.16 | 96 | 11/13/1998 | 8.45 | 8.13 | 8.26 | 0.11 | 96 | | 12/13/1998 | 6.28 | 6.12 | 6.25 | 0.06 | 96 | | | |
| 10/14/1998 | 12.63 | 12.32 | 12.49 | 0.12 | 96 | 11/14/1998 | 8.28 | 8.13 | 8.21 | 0.07 | 96 | | 12/14/1998 | 6.12 | 5.97 | 6.09 | 0.06 | 96 | | | |
| 10/15/1998 | 12.78 | 12.16 | 12.37 | 0.18 | 96 | 11/15/1998 | 8.13 | 7.82 | 8.02 | 0.09 | 96 | | 12/15/1998 | 5.97 | 5.97 | 5.97 | 0.00 | 96 | | | |
| 10/16/1998 | 12.32 | 11.69 | 12.01 | 0.12 | 96 | 11/16/1998 | 7.82 | 7.67 | 7.75 | 0.08 | 96 | | 12/16/1998 | 6.12 | 5.97 | 6.00 | 0.06 | 96 | | | |
| 10/17/1998 | 12.01 | 11.54 | 11.77 | 0.19 | 96 | 11/17/1998 | 7.82 | 7.67 | 7.74 | 0.08 | 96 | | 12/17/1998 | 6.12 | 5.81 | 5.97 | 0.10 | 96 | | | |
| 10/18/1998 | 12.01 | 11.69 | 11.87 | 0.09 | 96 | 11/18/1998 | 7.82 | 7.67 | 7.73 | 0.07 | 96 | | 12/18/1998 | 5.81 | 5.50 | 5.64 | 0.07 | 96 | | | |
| 10/19/1998 | 12.01 | 11.54 | 11.70 | 0.16 | 96 | 11/19/1998 | 7.82 | 7.67 | 7.71 | 0.07 | 96 | | 12/19/1998 | 5.50 | 5.03 | 5.17 | 0.15 | 96 | | | |
| 10/20/1998 | 11.85 | 10.92 | 11.28 | 0.26 | 96 | 11/20/1998 | 7.82 | 7.67 | 7.71 | 0.07 | 96 | | 12/20/1998 | 5.03 | 4.72 | 4.87 | 0.07 | 96 | | | |
| 10/21/1998 | 11.54 | 10.92 | 11.13 | 0.17 | 96 | 11/21/1998 | 7.67 | 7.52 | 7.61 | 0.07 | 96 | | 12/21/1998 | 5.03 | 4.72 | 4.89 | 0.04 | 96 | | | |
| 10/22/1998 | 11.38 | 10.77 | 11.00 | 0.20 | 96 | 11/22/1998 | 7.67 | 7.52 | 7.58 | 0.07 | 96 | | 12/22/1998 | 4.88 | 4.72 | 4.75 | 0.06 | 96 | | | |
| 10/23/1998 | 11.38 | 10.77 | 10.98 | 0.19 | 96 | 11/23/1998 | 7.52 | 7.52 | 7.52 | 0.00 | 96 | | 12/23/1998 | 4.72 | 4.41 | 4.67 | 0.08 | 96 | | | |
| 10/24/1998 | 11.23 | 10.61 | 10.94 | 0.24 | 96 | 11/24/1998 | 7.52 | 7.21 | 7.46 | 0.10 | 96 | | 12/24/1998 | 4.72 | 4.41 | 4.52 | 0.12 | 96 | | | |
| 10/25/1998 | 11.38 | 11.07 | 11.28 | 0.08 | 96 | 11/25/1998 | 7.36 | 7.21 | 7.29 | 0.07 | 96 | | 12/25/1998 | 4.72 | 4.72 | 4.72 | 0.00 | 96 | | | |
| 10/26/1998 | 11.54 | 11.38 | 11.43 | 0.07 | 96 | 11/26/1998 | 7.21 | 7.05 | 7.19 | 0.05 | 96 | | 12/26/1998 | 4.88 | 4.72 | 4.73 | 0.04 | 96 | | | |
| 10/27/1998 | 11.38 | 11.07 | 11.20 | 0.12 | 96 | 11/27/1998 | 7.21 | 7.05 | 7.07 | 0.05 | 96 | | 12/27/1998 | 4.72 | 4.56 | 4.67 | 0.07 | 96 | | | |
| 10/28/1998 | 11.54 | 10.92 | 11.07 | 0.18 | 96 | 11/28/1998 | 7.05 | 7.05 | 7.05 | 0.00 | 96 | | 12/28/1998 | 4.88 | 4.56 | 4.72 | 0.08 | 96 | | | |
| 10/29/1998 | 11.07 | 10.61 | 10.77 | 0.12 | 96 | 11/29/1998 | 7.05 | 6.75 | 6.90 | 0.06 | 96 | | 12/29/1998 | 4.88 | 4.72 | 4.78 | 0.08 | 96 | | | |
| 10/30/1998 | 10.61 | 10.31 | 10.47 | 0.10 | 96 | 11/30/1998 | 6.75 | 6.75 | 6.75 | 0.00 | 96 | | 12/30/1998 | 4.72 | 4.72 | 4.72 | 0.00 | 96 | | | |
| 10/31/1998 | 10.31 | 10.31 | 10.31 | 0.00 | 96 | | | | | | | | 12/31/1998 | 4.72 | 4.56 | 4.71 | 0.03 | 96 | | | |
| Oct-1998 | Max | Min | Mean | StdDev | N | Nov-1998 | Max | Min | Mean | StdDev | N | | Dec-1998 | Max | Min | Mean | StdDev | N | | | |
| | 16.22 | 15.11 | 15.36 | 0.50 | 96.00 | | 10.46 | 10.15 | 10.28 | 0.21 | 96.00 | | | 6.75 | 6.59 | 6.61 | 0.15 | 96.00 | | | |
| | 10.31 | 10.31 | 10.31 | 0.00 | 96.00 | | 6.75 | 6.75 | 6.75 | 0.00 | 96.00 | | | 4.72 | 4.41 | 4.52 | 0.00 | 96.00 | | | |
| Mean | 12.77 | 12.23 | 12.46 | 0.17 | 96.00 | | 8.38 | 8.14 | 8.25 | 0.08 | 96.00 | | | 5.71 | 5.53 | 5.61 | 0.06 | 96.00 | | | |
| N | 31 | 31 | 31 | 31 | 31 | | 30 | 30 | 30 | 30 | 30 | | | 31 | 31 | 31 | 31 | 31 | | | |

Comments:

Monthly Daily Water Temperatures

Glendale Spawning Channel Inlet

| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Temperature Correction Factor | | | | | | | | | | | | | | | | |
|---|------------------------|------|------|--------|-------|-------------------------------|----------|-----------|------|------|-----------------|--------|-------|----------|-----------|----------------|------|------|-------|--------|----------|--|
| | Onset Tidbit 204827 | | | | | Calibration Date 26-Oct-99 | | | | | a= -0.211526367 | | | | | b= 1.000760103 | | | | | | |
| | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | |
| 1/1/1999 | 4.72 | 4.56 | 4.61 | 0.08 | 96 | | | 2/1/1999 | 3.94 | 3.78 | 3.84 | 0.08 | 96 | | 3/1/1999 | 4.41 | 4.10 | 4.17 | 0.10 | 96 | | |
| 1/2/1999 | 4.56 | 4.41 | 4.52 | 0.07 | 96 | | | 2/2/1999 | 4.10 | 3.94 | 4.02 | 0.08 | 96 | | 3/2/1999 | 4.25 | 3.94 | 4.04 | 0.11 | 96 | | |
| 1/3/1999 | 4.56 | 4.41 | 4.48 | 0.07 | 96 | | | 2/3/1999 | 4.10 | 3.94 | 3.98 | 0.07 | 96 | | 3/3/1999 | 4.10 | 3.94 | 3.99 | 0.08 | 96 | | |
| 1/4/1999 | 4.56 | 4.56 | 4.56 | 0.00 | 96 | | | 2/4/1999 | 4.25 | 3.94 | 4.03 | 0.10 | 96 | | 3/4/1999 | 4.25 | 3.94 | 4.06 | 0.13 | 96 | | |
| 1/5/1999 | 4.88 | 4.56 | 4.65 | 0.10 | 96 | | | 2/5/1999 | 4.10 | 3.94 | 3.94 | 0.03 | 96 | | 3/5/1999 | 4.41 | 3.94 | 4.10 | 0.19 | 96 | | |
| 1/6/1999 | 4.88 | 4.56 | 4.69 | 0.11 | 96 | | | 2/6/1999 | 4.10 | 3.94 | 4.00 | 0.08 | 96 | | 3/6/1999 | 4.41 | 3.78 | 4.01 | 0.23 | 96 | | |
| 1/7/1999 | 4.88 | 4.72 | 4.75 | 0.06 | 96 | | | 2/7/1999 | 4.10 | 3.78 | 3.92 | 0.07 | 96 | | 3/7/1999 | 4.25 | 3.94 | 4.04 | 0.12 | 96 | | |
| 1/8/1999 | 4.72 | 4.56 | 4.65 | 0.08 | 96 | | | 2/8/1999 | 3.94 | 3.47 | 3.76 | 0.09 | 96 | | 3/8/1999 | 4.56 | 3.94 | 4.14 | 0.21 | 96 | | |
| 1/9/1999 | 4.72 | 4.56 | 4.61 | 0.07 | 96 | | | 2/9/1999 | 3.94 | 3.63 | 3.73 | 0.11 | 96 | | 3/9/1999 | 4.72 | 3.94 | 4.23 | 0.28 | 96 | | |
| 1/10/1999 | 4.56 | 4.56 | 4.56 | 0.00 | 96 | | | 2/10/1999 | 3.94 | 3.63 | 3.74 | 0.11 | 96 | | 3/10/1999 | 4.41 | 4.10 | 4.22 | 0.11 | 96 | | |
| 1/11/1999 | 4.56 | 4.56 | 4.56 | 0.00 | 96 | | | 2/11/1999 | 3.78 | 3.63 | 3.72 | 0.07 | 96 | | 3/11/1999 | 4.25 | 4.10 | 4.18 | 0.08 | 96 | | |
| 1/12/1999 | 4.72 | 4.41 | 4.55 | 0.08 | 96 | | | 2/12/1999 | 3.78 | 3.78 | 3.78 | 0.00 | 96 | | 3/12/1999 | 4.41 | 4.10 | 4.28 | 0.13 | 96 | | |
| 1/13/1999 | 4.56 | 4.41 | 4.48 | 0.08 | 96 | | | 2/13/1999 | 3.94 | 3.78 | 3.83 | 0.07 | 96 | | 3/13/1999 | 4.56 | 4.10 | 4.34 | 0.13 | 96 | | |
| 1/14/1999 | 4.72 | 4.56 | 4.59 | 0.06 | 96 | | | 2/14/1999 | 4.10 | 3.78 | 3.86 | 0.11 | 96 | | 3/14/1999 | 4.88 | 4.25 | 4.41 | 0.20 | 96 | | |
| 1/15/1999 | 4.56 | 4.56 | 4.56 | 0.00 | 96 | | | 2/15/1999 | 3.94 | 3.78 | 3.81 | 0.06 | 96 | | 3/15/1999 | 4.41 | 4.10 | 4.20 | 0.11 | 96 | | |
| 1/16/1999 | 4.56 | 4.41 | 4.51 | 0.07 | 96 | | | 2/16/1999 | 4.10 | 3.78 | 3.95 | 0.13 | 96 | | 3/16/1999 | 4.72 | 3.94 | 4.28 | 0.26 | 96 | | |
| 1/17/1999 | 4.41 | 4.41 | 4.41 | 0.00 | 96 | | | 2/17/1999 | 4.10 | 3.78 | 3.98 | 0.09 | 96 | | 3/17/1999 | 4.72 | 4.10 | 4.35 | 0.23 | 96 | | |
| 1/18/1999 | 4.41 | 4.41 | 4.41 | 0.00 | 96 | | | 2/18/1999 | 4.10 | 3.78 | 3.86 | 0.11 | 96 | | 3/18/1999 | 4.88 | 4.25 | 4.52 | 0.21 | 96 | | |
| 1/19/1999 | 4.56 | 4.41 | 4.44 | 0.06 | 96 | | | 2/19/1999 | 3.94 | 3.78 | 3.85 | 0.08 | 96 | | 3/19/1999 | 5.03 | 4.10 | 4.49 | 0.33 | 96 | | |
| 1/20/1999 | 4.41 | 4.41 | 4.41 | 0.00 | 96 | | | 2/20/1999 | 4.25 | 3.78 | 3.95 | 0.17 | 96 | | 3/20/1999 | 5.03 | 4.10 | 4.51 | 0.36 | 96 | | |
| 1/21/1999 | 4.41 | 4.41 | 4.41 | 0.00 | 96 | | | 2/21/1999 | 4.10 | 3.94 | 3.96 | 0.05 | 96 | | 3/21/1999 | 4.72 | 4.41 | 4.54 | 0.12 | 96 | | |
| 1/22/1999 | 4.56 | 4.25 | 4.42 | 0.06 | 96 | | | 2/22/1999 | 4.10 | 3.94 | 3.99 | 0.08 | 96 | | 3/22/1999 | 5.19 | 4.56 | 4.80 | 0.23 | 96 | | |
| 1/23/1999 | 4.25 | 3.94 | 4.06 | 0.10 | 96 | | | 2/23/1999 | 4.10 | 3.78 | 3.92 | 0.12 | 96 | | 3/23/1999 | 5.50 | 4.88 | 5.15 | 0.19 | 96 | | |
| 1/24/1999 | 4.25 | 3.94 | 4.05 | 0.12 | 96 | | | 2/24/1999 | 4.41 | 3.78 | 4.06 | 0.27 | 96 | | 3/24/1999 | 5.19 | 4.88 | 5.02 | 0.06 | 96 | | |
| 1/25/1999 | 4.10 | 3.94 | 4.04 | 0.08 | 96 | | | 2/25/1999 | 4.25 | 3.94 | 4.09 | 0.05 | 96 | | 3/25/1999 | 5.03 | 4.88 | 4.93 | 0.07 | 96 | | |
| 1/26/1999 | 4.25 | 3.94 | 4.09 | 0.08 | 96 | | | 2/26/1999 | 4.25 | 3.94 | 4.05 | 0.12 | 96 | | 3/26/1999 | 5.19 | 4.72 | 4.89 | 0.17 | 96 | | |
| 1/27/1999 | 4.10 | 3.94 | 3.99 | 0.07 | 96 | | | 2/27/1999 | 4.10 | 3.94 | 4.03 | 0.08 | 96 | | 3/27/1999 | 5.50 | 4.88 | 5.13 | 0.24 | 96 | | |
| 1/28/1999 | 4.10 | 3.78 | 3.97 | 0.09 | 96 | | | 2/28/1999 | 4.41 | 3.94 | 4.15 | 0.15 | 96 | | 3/28/1999 | 5.19 | 4.88 | 5.03 | 0.11 | 96 | | |
| 1/29/1999 | 4.10 | 3.78 | 3.98 | 0.11 | 96 | | | | | | | | | | 3/29/1999 | 5.19 | 4.72 | 4.99 | 0.13 | 96 | | |
| 1/30/1999 | 3.94 | 3.78 | 3.83 | 0.07 | 96 | | | | | | | | | | 3/30/1999 | 5.35 | 4.41 | 4.78 | 0.26 | 96 | | |
| 1/31/1999 | 4.10 | 3.78 | 3.88 | 0.12 | 96 | | | | | | | | | | 3/31/1999 | 5.35 | 4.25 | 4.75 | 0.36 | 96 | | |
| Jan-1999 | Max | Min | Mean | StdDev | N | | | Feb-1999 | Max | Min | Mean | StdDev | N | | | Mar-1999 | Max | Min | Mean | StdDev | N | |
| Max | 4.88 | 4.72 | 4.75 | 0.12 | 96.00 | | | Max | 4.41 | 3.94 | 4.15 | 0.27 | 96.00 | | | Max | 5.50 | 4.88 | 5.15 | 0.36 | 96.00 | |
| Min | 3.94 | 3.78 | 3.83 | 0.00 | 96.00 | | | Min | 3.78 | 3.47 | 3.72 | 0.00 | 96.00 | | | Min | 4.10 | 3.78 | 3.99 | 0.06 | 96.00 | |
| Mean | 4.48 | 4.31 | 4.38 | 0.06 | 96.00 | | | Mean | 4.08 | 3.82 | 3.92 | 0.09 | 96.00 | | | Mean | 4.78 | 4.27 | 4.47 | 0.18 | 96.00 | |
| N | 31 | 31 | 31 | 31 | 31 | | | N | 28 | 28 | 28 | 28 | 28 | | | N | 31 | 31 | 31 | 31 | 31 | |

Comments:

Monthly Daily Water Temperatures

Glendale Spawning Channel Inlet

Longitude W 125 43.3295
 Latitude N 50 39.0673

UTM E

UTM N

Temperature Logger
 Onset Tidbit
 204827

Temperature Correction Factor
 Calibration Date 26-Oct-99
 a= -0.211526367
 b= 1.000760103

| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
|-----------|-------|------|-------|-------|-------|----------|-----------|-------|-------|-------|-------|-------|----------|-----------|-------|-------|-------|-------|-------|----------|
| 4/1/1999 | 5.50 | 4.56 | 4.93 | 0.29 | 96 | | 5/1/1999 | 11.07 | 10.15 | 10.54 | 0.25 | 96 | | 6/1/1999 | 15.74 | 14.01 | 14.75 | 0.64 | 96 | |
| 4/2/1999 | 5.35 | 4.72 | 5.00 | 0.22 | 96 | | 5/2/1999 | 10.92 | 10.46 | 10.67 | 0.11 | 96 | | 6/2/1999 | 16.22 | 12.93 | 15.25 | 0.86 | 96 | |
| 4/3/1999 | 6.90 | 5.03 | 5.82 | 0.81 | 96 | | 5/3/1999 | 11.07 | 10.15 | 10.59 | 0.31 | 96 | | 6/3/1999 | 13.55 | 12.63 | 13.17 | 0.27 | 96 | |
| 4/4/1999 | 6.43 | 5.50 | 6.11 | 0.20 | 96 | | 5/4/1999 | 11.23 | 10.46 | 10.83 | 0.25 | 96 | | 6/4/1999 | 14.64 | 13.55 | 14.15 | 0.42 | 96 | |
| 4/5/1999 | 6.12 | 5.03 | 5.42 | 0.35 | 96 | | 5/5/1999 | 10.46 | 9.53 | 9.95 | 0.25 | 96 | | 6/5/1999 | 15.11 | 14.32 | 14.59 | 0.26 | 96 | |
| 4/6/1999 | 5.50 | 5.03 | 5.31 | 0.14 | 96 | | 5/6/1999 | 9.99 | 9.06 | 9.61 | 0.32 | 96 | | 6/6/1999 | 14.48 | 13.24 | 13.96 | 0.42 | 96 | |
| 4/7/1999 | 5.35 | 4.72 | 5.10 | 0.21 | 96 | | 5/7/1999 | 10.31 | 9.53 | 9.84 | 0.24 | 96 | | 6/7/1999 | 15.11 | 14.17 | 14.56 | 0.29 | 96 | |
| 4/8/1999 | 6.59 | 4.88 | 5.65 | 0.68 | 96 | | 5/8/1999 | 10.61 | 9.53 | 10.07 | 0.43 | 96 | | 6/8/1999 | 16.37 | 14.32 | 15.13 | 0.78 | 96 | |
| 4/9/1999 | 6.59 | 5.81 | 6.17 | 0.30 | 96 | | 5/9/1999 | 11.07 | 10.15 | 10.52 | 0.27 | 96 | | 6/9/1999 | 16.06 | 15.59 | 15.78 | 0.18 | 96 | |
| 4/10/1999 | 7.36 | 5.97 | 6.51 | 0.53 | 96 | | 5/10/1999 | 11.85 | 9.68 | 10.64 | 0.79 | 96 | | 6/10/1999 | 17.65 | 15.43 | 16.28 | 0.83 | 96 | |
| 4/11/1999 | 7.52 | 6.90 | 7.21 | 0.20 | 96 | | 5/11/1999 | 11.38 | 10.92 | 11.22 | 0.16 | 96 | | 6/11/1999 | 17.97 | 16.06 | 16.84 | 0.66 | 96 | |
| 4/12/1999 | 7.05 | 6.28 | 6.65 | 0.25 | 96 | | 5/12/1999 | 11.54 | 10.77 | 11.07 | 0.23 | 96 | | 6/12/1999 | 17.97 | 15.11 | 16.03 | 1.08 | 96 | |
| 4/13/1999 | 7.36 | 6.12 | 6.64 | 0.40 | 96 | | 5/13/1999 | 12.16 | 10.61 | 11.16 | 0.49 | 96 | | 6/13/1999 | 15.90 | 14.79 | 15.32 | 0.37 | 96 | |
| 4/14/1999 | 7.82 | 6.43 | 6.81 | 0.48 | 96 | | 5/14/1999 | 12.47 | 10.61 | 11.24 | 0.59 | 96 | | 6/14/1999 | 17.49 | 14.79 | 15.98 | 0.78 | 96 | |
| 4/15/1999 | 7.82 | 5.81 | 6.48 | 0.59 | 96 | | 5/15/1999 | 13.70 | 11.38 | 12.56 | 0.56 | 96 | | 6/15/1999 | 16.22 | 15.43 | 15.97 | 0.24 | 96 | |
| 4/16/1999 | 6.90 | 5.50 | 6.12 | 0.44 | 96 | | 5/16/1999 | 13.55 | 12.47 | 12.77 | 0.32 | 96 | | 6/16/1999 | 16.69 | 15.74 | 16.13 | 0.34 | 96 | |
| 4/17/1999 | 7.05 | 5.81 | 6.39 | 0.37 | 96 | | 5/17/1999 | 14.01 | 12.16 | 13.06 | 0.73 | 96 | | 6/17/1999 | 18.13 | 16.06 | 16.80 | 0.82 | 96 | |
| 4/18/1999 | 9.68 | 7.05 | 8.16 | 1.07 | 96 | | 5/18/1999 | 13.86 | 13.09 | 13.61 | 0.17 | 96 | | 6/18/1999 | 18.13 | 16.22 | 17.07 | 0.60 | 96 | |
| 4/19/1999 | 9.37 | 7.67 | 8.81 | 0.39 | 96 | | 5/19/1999 | 13.70 | 12.01 | 12.95 | 0.49 | 96 | | 6/19/1999 | 17.17 | 16.22 | 16.75 | 0.30 | 96 | |
| 4/20/1999 | 8.76 | 6.90 | 7.76 | 0.55 | 96 | | 5/20/1999 | 12.93 | 11.85 | 12.48 | 0.35 | 96 | | 6/20/1999 | 16.85 | 15.74 | 16.32 | 0.28 | 96 | |
| 4/21/1999 | 8.28 | 7.67 | 7.88 | 0.20 | 96 | | 5/21/1999 | 11.85 | 11.07 | 11.50 | 0.32 | 96 | | 6/21/1999 | 15.90 | 15.43 | 15.72 | 0.13 | 96 | |
| 4/22/1999 | 9.53 | 6.90 | 8.25 | 0.77 | 96 | | 5/22/1999 | 12.78 | 11.69 | 12.13 | 0.40 | 96 | | 6/22/1999 | 15.90 | 15.59 | 15.80 | 0.10 | 96 | |
| 4/23/1999 | 9.37 | 7.05 | 8.17 | 0.71 | 96 | | 5/23/1999 | 15.11 | 11.69 | 12.92 | 1.06 | 96 | | 6/23/1999 | 15.74 | 14.96 | 15.42 | 0.25 | 96 | |
| 4/24/1999 | 9.06 | 7.21 | 8.20 | 0.77 | 96 | | 5/24/1999 | 14.64 | 12.32 | 12.99 | 0.46 | 96 | | 6/24/1999 | 16.69 | 14.48 | 15.24 | 0.66 | 96 | |
| 4/25/1999 | 10.15 | 8.76 | 9.42 | 0.60 | 96 | | 5/25/1999 | 14.64 | 13.24 | 13.85 | 0.52 | 96 | | 6/25/1999 | 16.37 | 15.43 | 16.05 | 0.22 | 96 | |
| 4/26/1999 | 11.54 | 9.84 | 10.32 | 0.47 | 96 | | 5/26/1999 | 14.17 | 13.55 | 13.83 | 0.21 | 91 | | 6/26/1999 | 16.22 | 15.59 | 15.91 | 0.17 | 96 | |
| 4/27/1999 | 13.09 | 9.99 | 11.28 | 1.18 | 96 | | 5/27/1999 | 13.70 | 12.01 | 12.81 | 0.43 | 96 | | 6/27/1999 | 16.06 | 15.59 | 15.72 | 0.14 | 96 | |
| 4/28/1999 | 12.78 | 8.45 | 11.29 | 1.31 | 96 | | 5/28/1999 | 14.17 | 12.01 | 12.98 | 0.69 | 96 | | 6/28/1999 | 15.59 | 14.64 | 15.02 | 0.25 | 96 | |
| 4/29/1999 | 11.38 | 8.61 | 9.66 | 0.79 | 96 | | 5/29/1999 | 14.64 | 12.78 | 13.53 | 0.60 | 96 | | 6/29/1999 | 14.96 | 14.01 | 14.57 | 0.28 | 96 | |
| 4/30/1999 | 10.92 | 7.82 | 9.98 | 1.02 | 96 | | 5/30/1999 | 13.70 | 12.63 | 13.17 | 0.35 | 96 | | 6/30/1999 | 15.11 | 14.64 | 14.86 | 0.14 | 96 | |
| | | | | | | | 5/31/1999 | 14.79 | 12.78 | 13.64 | 0.79 | 96 | | | | | | | | |
| Apr-1999 | Max | Min | Mean | Stdev | N | | May-1999 | Max | Min | Mean | Stdev | N | | Jun-1999 | Max | Min | Mean | Stdev | N | |
| Max | 13.09 | 9.99 | 11.29 | 1.31 | 96.00 | | Max | 15.11 | 13.55 | 13.85 | 1.06 | 96.00 | | Max | 18.13 | 16.22 | 17.07 | 1.08 | 96.00 | |
| Min | 5.35 | 4.56 | 4.93 | 0.14 | 96.00 | | Min | 9.99 | 9.06 | 9.61 | 0.11 | 91.00 | | Min | 13.55 | 12.63 | 13.17 | 0.10 | 96.00 | |
| Mean | 8.24 | 6.60 | 7.39 | 0.54 | 96.00 | | Mean | 12.65 | 11.30 | 11.89 | 0.42 | 95.84 | | Mean | 16.20 | 14.89 | 15.51 | 0.43 | 96.00 | |
| N | 30 | 30 | 30 | 30 | 30 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | |

Comments:

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | |
|---|--------------------|-------|-------|--------|-------|--|-----------|----------|-------|-------------------------------|-----------------------------------|-------|-------|-----------|----------|-------|-------|--------|-------|-------|----------|
| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Calibration Date Onset Tidbit 204827 | | | | | a= -0.211526367 b= 1.000760103 | | | | | | | | | | |
| | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| | 7/1/1999 | 15.11 | 14.64 | 14.85 | 0.21 | 96 | | 8/1/1999 | 20.23 | 18.78 | 19.38 | 0.56 | 96 | | 9/1/1999 | 18.78 | 17.17 | 17.83 | 0.48 | 96 | |
| 7/2/1999 | 15.59 | 14.79 | 15.02 | 0.25 | 96 | | 8/2/1999 | 21.06 | 19.42 | 20.08 | 0.61 | 96 | | 9/2/1999 | 18.29 | 16.85 | 17.39 | 0.47 | 96 | | |
| 7/3/1999 | 15.74 | 14.64 | 15.04 | 0.36 | 96 | | 8/3/1999 | 20.39 | 19.26 | 19.86 | 0.40 | 96 | | 9/3/1999 | 18.29 | 16.69 | 17.35 | 0.54 | 96 | | |
| 7/4/1999 | 15.11 | 14.48 | 14.80 | 0.20 | 96 | | 8/4/1999 | 20.72 | 19.26 | 19.90 | 0.51 | 96 | | 9/4/1999 | 17.81 | 17.17 | 17.46 | 0.21 | 96 | | |
| 7/5/1999 | 18.29 | 14.64 | 15.99 | 1.39 | 96 | | 8/5/1999 | 20.56 | 18.94 | 19.63 | 0.54 | 96 | | 9/5/1999 | 18.62 | 17.01 | 17.65 | 0.56 | 96 | | |
| 7/6/1999 | 17.65 | 15.27 | 16.15 | 0.69 | 96 | | 8/6/1999 | 21.06 | 19.42 | 20.13 | 0.58 | 96 | | 9/6/1999 | 18.29 | 17.49 | 17.86 | 0.24 | 96 | | |
| 7/7/1999 | 16.06 | 14.64 | 15.28 | 0.50 | 96 | | 8/7/1999 | 20.72 | 19.42 | 19.88 | 0.43 | 96 | | 9/7/1999 | 17.97 | 17.01 | 17.45 | 0.33 | 96 | | |
| 7/8/1999 | 16.85 | 15.43 | 16.05 | 0.49 | 96 | | 8/8/1999 | 21.06 | 20.56 | 20.75 | 0.20 | 96 | | 9/8/1999 | 17.65 | 16.53 | 17.04 | 0.34 | 96 | | |
| 7/9/1999 | 17.01 | 15.11 | 15.90 | 0.67 | 96 | | 8/9/1999 | 21.90 | 20.56 | 21.12 | 0.46 | 96 | | 9/9/1999 | 17.33 | 16.53 | 16.75 | 0.24 | 96 | | |
| 7/10/1999 | 17.81 | 15.59 | 16.41 | 0.77 | 96 | | 8/10/1999 | 21.06 | 19.10 | 19.88 | 0.55 | 96 | | 9/10/1999 | 17.81 | 16.37 | 16.90 | 0.46 | 96 | | |
| 7/11/1999 | 18.78 | 16.06 | 17.39 | 0.92 | 96 | | 8/11/1999 | 20.72 | 19.10 | 19.92 | 0.58 | 96 | | 9/11/1999 | 17.81 | 16.22 | 16.78 | 0.52 | 96 | | |
| 7/12/1999 | 18.29 | 15.43 | 17.19 | 0.73 | 96 | | 8/12/1999 | 20.56 | 19.58 | 20.10 | 0.34 | 96 | | 9/12/1999 | 18.46 | 15.74 | 16.91 | 0.91 | 96 | | |
| 7/13/1999 | 18.13 | 15.11 | 17.26 | 1.01 | 96 | | 8/13/1999 | 20.89 | 19.74 | 20.27 | 0.40 | 96 | | 9/13/1999 | 18.29 | 15.90 | 17.13 | 0.86 | 96 | | |
| 7/14/1999 | 18.29 | 15.59 | 17.35 | 0.69 | 96 | | 8/14/1999 | 21.06 | 19.58 | 20.25 | 0.52 | 96 | | 9/14/1999 | 18.29 | 15.90 | 16.62 | 0.55 | 96 | | |
| 7/15/1999 | 16.85 | 15.43 | 16.31 | 0.36 | 96 | | 8/15/1999 | 20.56 | 19.10 | 19.55 | 0.42 | 96 | | 9/15/1999 | 16.22 | 15.59 | 15.82 | 0.26 | 96 | | |
| 7/16/1999 | 18.13 | 16.53 | 17.16 | 0.58 | 96 | | 8/16/1999 | 19.26 | 18.62 | 19.03 | 0.14 | 96 | | 9/16/1999 | 16.53 | 15.74 | 16.04 | 0.29 | 96 | | |
| 7/17/1999 | 18.29 | 16.53 | 17.19 | 0.60 | 96 | | 8/17/1999 | 19.58 | 17.97 | 18.63 | 0.62 | 96 | | 9/17/1999 | 16.85 | 15.90 | 16.19 | 0.31 | 96 | | |
| 7/18/1999 | 19.91 | 15.59 | 17.50 | 1.51 | 96 | | 8/18/1999 | 19.58 | 17.97 | 18.69 | 0.61 | 96 | | 9/18/1999 | 17.01 | 15.59 | 16.03 | 0.46 | 96 | | |
| 7/19/1999 | 19.26 | 17.49 | 18.26 | 0.47 | 96 | | 8/19/1999 | 20.07 | 18.62 | 19.25 | 0.58 | 95 | | 9/19/1999 | 17.01 | 15.59 | 16.04 | 0.45 | 96 | | |
| 7/20/1999 | 19.42 | 16.85 | 17.82 | 0.79 | 96 | | 8/20/1999 | 20.56 | 19.42 | 19.94 | 0.43 | 96 | | 9/20/1999 | 16.85 | 15.74 | 16.07 | 0.35 | 96 | | |
| 7/21/1999 | 18.62 | 16.06 | 17.33 | 0.94 | 96 | | 8/21/1999 | 21.22 | 19.58 | 20.24 | 0.51 | 96 | | 9/21/1999 | 16.69 | 15.59 | 15.95 | 0.35 | 96 | | |
| 7/22/1999 | 19.91 | 17.49 | 18.76 | 0.87 | 96 | | 8/22/1999 | 20.56 | 19.10 | 19.77 | 0.42 | 96 | | 9/22/1999 | 17.17 | 15.43 | 16.19 | 0.65 | 96 | | |
| 7/23/1999 | 20.56 | 19.91 | 20.22 | 0.23 | 96 | | 8/23/1999 | 20.07 | 18.94 | 19.40 | 0.41 | 96 | | 9/23/1999 | 17.01 | 16.37 | 16.63 | 0.23 | 96 | | |
| 7/24/1999 | 20.56 | 19.58 | 19.99 | 0.32 | 96 | | 8/24/1999 | 19.42 | 18.94 | 19.21 | 0.13 | 96 | | 9/24/1999 | 16.53 | 15.59 | 16.08 | 0.20 | 96 | | |
| 7/25/1999 | 20.56 | 19.58 | 19.92 | 0.38 | 96 | | 8/25/1999 | 20.07 | 18.62 | 19.18 | 0.51 | 96 | | 9/25/1999 | 16.06 | 15.27 | 15.58 | 0.24 | 96 | | |
| 7/26/1999 | 19.91 | 18.78 | 19.43 | 0.28 | 96 | | 8/26/1999 | 19.42 | 17.17 | 18.69 | 0.68 | 96 | | 9/26/1999 | 16.22 | 14.96 | 15.52 | 0.37 | 96 | | |
| 7/27/1999 | 19.58 | 17.81 | 18.65 | 0.58 | 96 | | 8/27/1999 | 19.74 | 17.49 | 18.59 | 0.67 | 96 | | 9/27/1999 | 15.90 | 14.96 | 15.29 | 0.32 | 96 | | |
| 7/28/1999 | 18.94 | 18.46 | 18.74 | 0.15 | 96 | | 8/28/1999 | 18.62 | 17.97 | 18.31 | 0.18 | 96 | | 9/28/1999 | 14.96 | 14.17 | 14.52 | 0.17 | 96 | | |
| 7/29/1999 | 20.07 | 18.62 | 19.16 | 0.52 | 96 | | 8/29/1999 | 18.46 | 17.81 | 18.05 | 0.23 | 96 | | 9/29/1999 | 15.11 | 14.17 | 14.51 | 0.36 | 96 | | |
| 7/30/1999 | 19.91 | 18.62 | 19.18 | 0.48 | 96 | | 8/30/1999 | 18.78 | 17.49 | 18.05 | 0.43 | 96 | | 9/30/1999 | 14.64 | 14.01 | 14.40 | 0.16 | 95 | | |
| 7/31/1999 | 19.91 | 18.13 | 18.99 | 0.66 | 96 | | 8/31/1999 | 19.26 | 17.97 | 18.40 | 0.42 | 96 | | | | | | | | | |
| Jul-1999 | Max | Min | Mean | StdDev | N | | Aug-1999 | Max | Min | Mean | StdDev | N | | Sep-1999 | Max | Min | Mean | StdDev | N | | |
| | 20.56 | 19.91 | 20.22 | 1.51 | 96.00 | | | 21.90 | 20.56 | 21.12 | 0.68 | 96.00 | | | 18.78 | 17.49 | 17.86 | 0.91 | 96.00 | | |
| | 15.11 | 14.48 | 14.80 | 0.15 | 96.00 | | | 18.46 | 17.17 | 18.05 | 0.13 | 95.00 | | | 14.64 | 14.01 | 14.40 | 0.16 | 95.00 | | |
| Mean | 18.36 | 16.55 | 17.40 | 0.60 | 96.00 | | Mean | 20.24 | 18.89 | 19.49 | 0.45 | 95.97 | | Mean | 17.15 | 15.91 | 16.40 | 0.40 | 95.97 | | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | | |

Comments:

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | |
|---|--|-------|-------|-------|--------|----------|------------|---|------|------|--|-------|------------|----------|------|--|-------|-------|-----------|--|--|
| Longitude Latitude UTM E UTM N | Temperature Logger Onset Tidbit 204827 | | | | | Comments | Date | Calibration Date a= -0.211526367 b= 1.000760103 | | | Temperature Logger Onset Tidbit 256406 | | | | | Calibration Date a= 0.225837299 b= 1.000664717 | | | 27-Apr-99 | | |
| | Date | Max | Min | Mean | StDev | | | Max | Min | Mean | StDev | Count | Date | Max | Min | Mean | StDev | Count | Comments | | |
| | 10/1/1999 | 14.79 | 13.86 | 14.22 | 0.30 | 96 | 11/1/1999 | 10.05 | 9.15 | 9.33 | 0.17 | 96 | 12/1/1999 | 7.11 | 6.51 | 6.52 | 0.04 | 96 | | | |
| 10/2/1999 | 14.79 | 13.70 | 14.06 | 0.33 | 96 | | 11/2/1999 | 9.58 | 8.84 | 9.04 | 0.09 | 96 | 12/2/1999 | 6.95 | 6.36 | 6.48 | 0.06 | 96 | | | |
| 10/3/1999 | 14.32 | 13.70 | 13.92 | 0.21 | 96 | | 11/3/1999 | 9.42 | 8.53 | 8.78 | 0.14 | 96 | 12/3/1999 | 6.80 | 6.36 | 6.36 | 0.00 | 96 | | | |
| 10/4/1999 | 14.96 | 13.55 | 13.97 | 0.42 | 96 | | 11/4/1999 | 9.27 | 8.37 | 8.58 | 0.15 | 96 | 12/4/1999 | 6.80 | 6.36 | 6.36 | 0.00 | 96 | | | |
| 10/5/1999 | 14.01 | 13.24 | 13.62 | 0.26 | 96 | | 11/5/1999 | 8.96 | 8.21 | 8.35 | 0.10 | 96 | 12/5/1999 | 6.80 | 6.20 | 6.32 | 0.07 | 96 | | | |
| 10/6/1999 | 13.86 | 13.39 | 13.62 | 0.10 | 96 | | 11/6/1999 | 8.65 | 7.75 | 7.95 | 0.13 | 96 | 12/6/1999 | 6.80 | 6.20 | 6.26 | 0.08 | 96 | | | |
| 10/7/1999 | 14.01 | 13.55 | 13.72 | 0.17 | 96 | | 11/7/1999 | 8.35 | 7.91 | 7.91 | 0.00 | 96 | 12/7/1999 | 6.64 | 5.89 | 6.08 | 0.07 | 96 | | | |
| 10/8/1999 | 14.01 | 13.55 | 13.75 | 0.17 | 96 | | 11/8/1999 | 8.50 | 7.91 | 7.93 | 0.05 | 96 | 12/8/1999 | 6.49 | 5.89 | 5.97 | 0.08 | 96 | | | |
| 10/9/1999 | 14.01 | 13.09 | 13.48 | 0.33 | 96 | | 11/9/1999 | 8.35 | 7.44 | 7.70 | 0.13 | 96 | 12/9/1999 | | | | | | | | |
| 10/10/1999 | 14.01 | 13.39 | 13.63 | 0.23 | 96 | | 11/10/1999 | 8.04 | 7.28 | 7.43 | 0.08 | 96 | 12/10/1999 | 6.49 | 5.89 | 6.03 | 0.05 | 96 | | | |
| 10/11/1999 | 13.70 | 12.93 | 13.37 | 0.27 | 96 | | 11/11/1999 | 7.88 | 7.28 | 7.42 | 0.06 | 96 | 12/11/1999 | 6.49 | 5.89 | 5.98 | 0.08 | 96 | | | |
| 10/12/1999 | 13.24 | 12.16 | 12.52 | 0.25 | 96 | | 11/12/1999 | 8.04 | 7.28 | 7.44 | 0.10 | 96 | 12/12/1999 | 6.49 | 5.89 | 6.00 | 0.07 | 96 | | | |
| 10/13/1999 | 13.15 | 12.01 | 12.31 | 0.19 | 96 | Change | 11/13/1999 | 7.72 | 7.28 | 7.28 | 0.00 | 96 | 12/13/1999 | 6.33 | 5.73 | 5.76 | 0.06 | 96 | | | |
| 10/14/1999 | 12.84 | 11.94 | 12.11 | 0.13 | 96 | | 11/14/1999 | 7.72 | 7.13 | 7.23 | 0.07 | 96 | 12/14/1999 | 6.17 | 5.58 | 5.68 | 0.07 | 96 | | | |
| 10/15/1999 | 12.84 | 11.79 | 11.96 | 0.19 | 96 | | 11/15/1999 | 7.72 | 7.13 | 7.21 | 0.08 | 96 | 12/15/1999 | 6.17 | 5.58 | 5.69 | 0.07 | 96 | | | |
| 10/16/1999 | 12.22 | 11.63 | 11.68 | 0.08 | 96 | | 11/16/1999 | 8.04 | 7.28 | 7.49 | 0.10 | 96 | 12/16/1999 | 6.33 | 5.73 | 5.78 | 0.08 | 96 | | | |
| 10/17/1999 | 12.53 | 11.48 | 11.74 | 0.21 | 96 | | 11/17/1999 | 8.04 | 7.28 | 7.46 | 0.09 | 96 | 12/17/1999 | 6.17 | 5.73 | 5.73 | 0.00 | 96 | | | |
| 10/18/1999 | 12.37 | 11.48 | 11.64 | 0.16 | 96 | | 11/18/1999 | 7.72 | 7.28 | 7.28 | 0.00 | 96 | 12/18/1999 | 6.17 | 5.58 | 5.66 | 0.08 | 96 | | | |
| 10/19/1999 | 12.37 | 11.32 | 11.48 | 0.19 | 96 | | 11/19/1999 | 7.72 | 7.28 | 7.28 | 0.00 | 96 | 12/19/1999 | 6.02 | 5.42 | 5.56 | 0.06 | 96 | | | |
| 10/20/1999 | 12.22 | 11.17 | 11.44 | 0.18 | 96 | | 11/20/1999 | 7.72 | 6.98 | 7.20 | 0.08 | 96 | 12/20/1999 | 6.17 | 5.58 | 5.61 | 0.06 | 96 | | | |
| 10/21/1999 | 12.53 | 11.17 | 11.46 | 0.28 | 96 | | 11/21/1999 | 7.72 | 6.98 | 7.09 | 0.10 | 96 | 12/21/1999 | 6.02 | 5.42 | 5.48 | 0.08 | 96 | | | |
| 10/22/1999 | 12.53 | 11.17 | 11.44 | 0.30 | 96 | | 11/22/1999 | 7.57 | 6.98 | 7.03 | 0.07 | 96 | 12/22/1999 | 6.02 | 5.27 | 5.42 | 0.03 | 96 | | | |
| 10/23/1999 | 11.91 | 11.17 | 11.31 | 0.07 | 96 | | 11/23/1999 | 7.57 | 6.98 | 7.02 | 0.07 | 96 | 12/23/1999 | 5.86 | 5.27 | 5.33 | 0.07 | 96 | | | |
| 10/24/1999 | 12.22 | 10.86 | 11.26 | 0.29 | 96 | | 11/24/1999 | 7.42 | 6.82 | 6.96 | 0.06 | 96 | 12/24/1999 | 5.86 | 5.27 | 5.33 | 0.07 | 96 | | | |
| 10/25/1999 | 11.91 | 11.02 | 11.12 | 0.12 | 96 | | 11/25/1999 | 7.42 | 6.82 | 6.92 | 0.08 | 96 | 12/25/1999 | 5.71 | 5.11 | 5.24 | 0.06 | 96 | | | |
| 10/26/1999 | 11.75 | 10.71 | 10.94 | 0.20 | 96 | | 11/26/1999 | 7.26 | 6.67 | 6.78 | 0.07 | 96 | 12/26/1999 | 5.55 | 4.96 | 5.04 | 0.08 | 96 | | | |
| 10/27/1999 | 11.29 | 10.24 | 10.35 | 0.15 | 96 | | 11/27/1999 | 7.11 | 6.51 | 6.64 | 0.06 | 96 | 12/27/1999 | 5.55 | 4.96 | 4.99 | 0.06 | 96 | | | |
| 10/28/1999 | 10.67 | 10.08 | 10.18 | 0.08 | 96 | | 11/28/1999 | 7.26 | 6.51 | 6.70 | 0.12 | 96 | 12/28/1999 | 5.55 | 4.96 | 5.00 | 0.07 | 96 | | | |
| 10/29/1999 | 10.67 | 9.77 | 9.94 | 0.18 | 96 | | 11/29/1999 | 7.42 | 6.67 | 6.77 | 0.11 | 96 | 12/29/1999 | 5.55 | 5.11 | 5.11 | 0.00 | 96 | | | |
| 10/30/1999 | 10.36 | 9.62 | 9.79 | 0.06 | 96 | | 11/30/1999 | 7.26 | 6.67 | 6.71 | 0.06 | 96 | 12/30/1999 | 5.55 | 4.96 | 5.07 | 0.07 | 96 | | | |
| 10/31/1999 | 10.20 | 9.46 | 9.56 | 0.09 | 100 | | | | | | | | 12/31/1999 | 5.55 | 4.96 | 5.03 | 0.08 | 96 | | | |
| Oct-1999 | Max | Min | Mean | Stdev | N | | Nov-1999 | Max | Min | Mean | Stdev | N | | Dec-1999 | Max | Min | Mean | Stdev | N | | |
| Max | 14.96 | 13.86 | 14.22 | 0.42 | 100.00 | | Max | 10.05 | 9.15 | 9.33 | 0.17 | 96.00 | | Max | 7.11 | 6.51 | 6.52 | 0.08 | 96.00 | | |
| Min | 10.20 | 9.46 | 9.56 | 0.06 | 96.00 | | Min | 7.11 | 6.51 | 6.64 | 0.00 | 96.00 | | Min | 5.55 | 4.96 | 4.99 | 0.00 | 96.00 | | |
| Mean | 12.79 | 11.88 | 12.11 | 0.20 | 96.13 | | Mean | 8.05 | 7.38 | 7.50 | 0.08 | 96.00 | | Mean | 6.21 | 5.62 | 5.70 | 0.06 | 96.00 | | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | | N | 30 | 30 | 30 | 30 | 30 | | |

Comments: Oct 13 1999 Change Tidbit 204827 for Tidbit
 December 9 1999 Partial day of data

Monthly Daily Water Temperatures

Glendale Spawning Channel Inlet

| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Temperature Correction Factor | | | | | | | | | | | | | | | |
|---|------------------------|------|------|--------|-------|-------------------------------|----------|-----------|------|------|----------------|--------|-------|-----------|-----------|----------------|------|------|--------|-------|----------|
| | Onset Tidbit 256406 | | | | | Calibration Date 27-Apr-99 | | | | | a= 0.225837299 | | | | | b= 1.000664717 | | | | | |
| | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 1/1/2000 | 5.55 | 4.96 | 5.01 | 0.07 | 96 | | | 2/1/2000 | 4.61 | 3.70 | 3.92 | 0.19 | 96 | | 3/1/2000 | 4.30 | 3.70 | 3.78 | 0.08 | 96 | |
| 1/2/2000 | 5.40 | 4.80 | 4.90 | 0.08 | 96 | | | 2/2/2000 | 4.45 | 3.55 | 3.80 | 0.12 | 96 | | 3/2/2000 | 4.61 | 3.70 | 3.87 | 0.18 | 96 | |
| 1/3/2000 | 5.24 | 4.64 | 4.68 | 0.07 | 96 | | | 2/3/2000 | 4.30 | 3.39 | 3.58 | 0.15 | 96 | | 3/3/2000 | 4.30 | 3.70 | 3.85 | 0.04 | 96 | |
| 1/4/2000 | 5.40 | 4.64 | 4.89 | 0.10 | 96 | | | 2/4/2000 | 4.30 | 3.39 | 3.51 | 0.15 | 96 | | 3/4/2000 | 4.61 | 3.55 | 3.72 | 0.20 | 96 | |
| 1/5/2000 | 5.40 | 4.80 | 4.86 | 0.08 | 96 | | | 2/5/2000 | 4.14 | 3.23 | 3.47 | 0.20 | 96 | | 3/5/2000 | 4.61 | 3.39 | 3.63 | 0.24 | 96 | |
| 1/6/2000 | 5.24 | 4.80 | 4.80 | 0.00 | 96 | | | 2/6/2000 | 4.14 | 3.55 | 3.61 | 0.07 | 96 | | 3/6/2000 | 4.61 | 3.23 | 3.61 | 0.29 | 96 | |
| 1/7/2000 | 5.40 | 4.80 | 4.89 | 0.08 | 96 | | | 2/7/2000 | 4.61 | 3.55 | 3.78 | 0.24 | 96 | | 3/7/2000 | 4.61 | 3.39 | 3.74 | 0.27 | 96 | |
| 1/8/2000 | 5.40 | 4.64 | 4.90 | 0.08 | 96 | | | 2/8/2000 | 4.45 | 3.86 | 3.88 | 0.05 | 96 | | 3/8/2000 | 4.61 | 3.55 | 3.88 | 0.26 | 96 | |
| 1/9/2000 | 5.08 | 4.33 | 4.48 | 0.10 | 96 | | | 2/9/2000 | 4.45 | 3.70 | 3.80 | 0.09 | 96 | | 3/9/2000 | 4.92 | 3.70 | 4.03 | 0.26 | 96 | |
| 1/10/2000 | 4.92 | 4.48 | 4.48 | 0.00 | 96 | | | 2/10/2000 | 4.61 | 3.70 | 3.82 | 0.16 | 96 | | 3/10/2000 | 4.77 | 3.86 | 4.06 | 0.12 | 96 | |
| 1/11/2000 | 4.92 | 4.33 | 4.43 | 0.07 | 96 | | | 2/11/2000 | 4.14 | 3.39 | 3.60 | 0.09 | 96 | | 3/11/2000 | 4.77 | 3.86 | 4.03 | 0.18 | 96 | |
| 1/12/2000 | 4.77 | 4.17 | 4.30 | 0.06 | 96 | | | 2/12/2000 | 4.30 | 3.39 | 3.58 | 0.14 | 96 | | 3/12/2000 | 4.61 | 3.86 | 4.01 | 0.04 | 96 | |
| 1/13/2000 | 4.61 | 4.01 | 4.12 | 0.08 | 96 | | | 2/13/2000 | 4.14 | 3.23 | 3.49 | 0.12 | 96 | | 3/13/2000 | 4.45 | 3.86 | 3.91 | 0.07 | 96 | |
| 1/14/2000 | 4.45 | 4.01 | 4.01 | 0.00 | 96 | | | 2/14/2000 | 3.99 | 3.07 | 3.25 | 0.18 | 96 | | 3/14/2000 | 5.08 | 3.86 | 4.06 | 0.27 | 96 | |
| 1/15/2000 | 4.45 | 3.39 | 3.75 | 0.19 | 96 | | | 2/15/2000 | 4.14 | 3.23 | 3.40 | 0.18 | 96 | | 3/15/2000 | 4.45 | 3.55 | 3.80 | 0.14 | 96 | |
| 1/16/2000 | 4.30 | 3.70 | 3.79 | 0.08 | 96 | | | 2/16/2000 | 4.14 | 3.07 | 3.38 | 0.22 | 96 | | 3/16/2000 | 4.61 | 3.86 | 4.00 | 0.15 | 96 | |
| 1/17/2000 | 4.30 | 3.70 | 3.78 | 0.08 | 96 | | | 2/17/2000 | 4.14 | 3.07 | 3.33 | 0.24 | 96 | | 3/17/2000 | 4.77 | 4.01 | 4.37 | 0.08 | 95 | |
| 1/18/2000 | 4.61 | 3.86 | 3.98 | 0.11 | 96 | | | 2/18/2000 | 4.14 | 3.07 | 3.36 | 0.25 | 96 | | 3/18/2000 | 4.92 | 4.61 | 4.70 | 0.13 | 96 | |
| 1/19/2000 | 4.30 | 3.55 | 3.65 | 0.08 | 96 | | | 2/19/2000 | 3.99 | 3.23 | 3.37 | 0.13 | 96 | | 3/19/2000 | 5.40 | 4.45 | 4.77 | 0.26 | 96 | |
| 1/20/2000 | 4.14 | 3.39 | 3.59 | 0.10 | 96 | | | 2/20/2000 | 3.99 | 3.23 | 3.36 | 0.14 | 96 | | 3/20/2000 | 4.92 | 4.30 | 4.61 | 0.22 | 96 | |
| 1/21/2000 | 4.30 | 3.70 | 3.76 | 0.08 | 96 | | | 2/21/2000 | 4.45 | 3.39 | 3.63 | 0.24 | 96 | | 3/21/2000 | 4.92 | 4.61 | 4.73 | 0.13 | 96 | |
| 1/22/2000 | 4.45 | 3.70 | 3.88 | 0.10 | 96 | | | 2/22/2000 | 4.45 | 3.55 | 3.81 | 0.13 | 96 | | 3/22/2000 | 5.24 | 4.45 | 4.82 | 0.23 | 96 | |
| 1/23/2000 | 4.45 | 3.70 | 3.89 | 0.08 | 96 | | | 2/23/2000 | 4.45 | 3.55 | 3.76 | 0.14 | 96 | | 3/23/2000 | 5.71 | 4.92 | 5.23 | 0.23 | 96 | |
| 1/24/2000 | 4.14 | 3.23 | 3.48 | 0.14 | 96 | | | 2/24/2000 | 4.30 | 3.55 | 3.68 | 0.11 | 96 | | 3/24/2000 | 5.71 | 5.08 | 5.31 | 0.23 | 96 | |
| 1/25/2000 | 3.99 | 3.39 | 3.49 | 0.08 | 96 | | | 2/25/2000 | 3.99 | 3.55 | 3.55 | 0.00 | 96 | | 3/25/2000 | 5.86 | 5.08 | 5.30 | 0.28 | 96 | |
| 1/26/2000 | 4.30 | 3.55 | 3.68 | 0.14 | 96 | | | 2/26/2000 | 4.45 | 3.55 | 3.69 | 0.17 | 96 | | 3/26/2000 | 5.40 | 5.08 | 5.16 | 0.08 | 96 | |
| 1/27/2000 | 4.30 | 3.70 | 3.76 | 0.08 | 96 | | | 2/27/2000 | 4.30 | 3.55 | 3.67 | 0.13 | 96 | | 3/27/2000 | 5.86 | 5.24 | 5.55 | 0.22 | 96 | |
| 1/28/2000 | 4.30 | 3.55 | 3.69 | 0.12 | 96 | | | 2/28/2000 | 4.14 | 3.55 | 3.60 | 0.07 | 96 | | 3/28/2000 | 5.86 | 5.40 | 5.60 | 0.15 | 96 | |
| 1/29/2000 | 4.30 | 3.55 | 3.65 | 0.14 | 96 | | | 2/29/2000 | 4.61 | 3.55 | 3.76 | 0.23 | 96 | | 3/29/2000 | 6.49 | 5.40 | 5.85 | 0.37 | 96 | |
| 1/30/2000 | 3.99 | 3.07 | 3.35 | 0.18 | 96 | | | | | | | | | 3/30/2000 | 8.35 | 5.86 | 6.84 | 0.90 | 96 | | |
| 1/31/2000 | 4.30 | 3.55 | 3.70 | 0.14 | 96 | | | | | | | | | 3/31/2000 | 8.35 | 6.02 | 7.50 | 0.75 | 96 | | |
| Jan-2000 | Max | Min | Mean | StdDev | N | | | Feb-2000 | Max | Min | Mean | StdDev | N | | Mar-2000 | Max | Min | Mean | StdDev | N | |
| | 5.55 | 4.96 | 5.01 | 0.19 | 96.00 | | | | 4.61 | 3.86 | 3.92 | 0.25 | 96.00 | | | 8.35 | 6.02 | 7.50 | 0.90 | 96.00 | |
| | 3.99 | 3.07 | 3.35 | 0.00 | 96.00 | | | | 3.99 | 3.07 | 3.25 | 0.00 | 96.00 | | | 4.30 | 3.23 | 3.61 | 0.04 | 95.00 | |
| Mean | 4.67 | 3.99 | 4.12 | 0.09 | 96.00 | | | | 4.29 | 3.43 | 3.60 | 0.15 | 96.00 | | | 5.21 | 4.29 | 4.59 | 0.23 | 95.97 | |
| N | 31 | 31 | 31 | 31 | 31 | | | | 29 | 29 | 29 | 29 | 29 | | | 31 | 31 | 31 | 31 | 31 | |

Comments:

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | |
|---|--------------------|------|------|-------|-------|------------------|----------|-------|-------|-------------------------------|-------------|-----------|-------|----------|-------|-------------|-------|------|-------|-------|----------|
| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Calibration Date | | | | | a= | | | | | b= | | | | | |
| | Onset Tidbit | | | | | 27-Apr-99 | | | | | 0.225837299 | | | | | 1.000664717 | | | | | |
| | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 4/1/2000 | 8.35 | 6.02 | 6.98 | 0.91 | 96 | 5/1/2000 | 10.36 | 8.35 | 9.09 | 0.71 | 96 | 6/1/2000 | 15.82 | 14.24 | 14.92 | 0.55 | 96 | | | | |
| 4/2/2000 | 9.89 | 7.26 | 8.55 | 0.62 | 92 | 5/2/2000 | 9.89 | 9.11 | 9.46 | 0.15 | 96 | 6/2/2000 | 15.66 | 13.31 | 14.39 | 0.62 | 96 | | | | |
| 4/3/2000 | 9.11 | 6.64 | 7.78 | 0.92 | 96 | 5/3/2000 | 9.27 | 8.96 | 9.12 | 0.14 | 96 | 6/3/2000 | 16.61 | 13.00 | 14.07 | 0.96 | 96 | | | | |
| 4/4/2000 | 9.11 | 8.04 | 8.54 | 0.36 | 96 | 5/4/2000 | 9.11 | 8.19 | 8.56 | 0.25 | 96 | 6/4/2000 | 16.92 | 15.97 | 16.46 | 0.28 | 96 | | | | |
| 4/5/2000 | 9.11 | 8.35 | 8.76 | 0.22 | 96 | 5/5/2000 | 8.96 | 7.42 | 8.23 | 0.56 | 96 | 6/5/2000 | 16.61 | 14.40 | 15.32 | 0.67 | 96 | | | | |
| 4/6/2000 | 9.27 | 8.04 | 8.73 | 0.31 | 96 | 5/6/2000 | 8.96 | 7.88 | 8.44 | 0.36 | 96 | 6/6/2000 | 14.71 | 13.61 | 14.39 | 0.22 | 96 | | | | |
| 4/7/2000 | 8.04 | 7.42 | 7.63 | 0.20 | 96 | 5/7/2000 | 12.06 | 8.65 | 9.85 | 1.14 | 96 | 6/7/2000 | 15.50 | 13.61 | 14.43 | 0.57 | 96 | | | | |
| 4/8/2000 | 7.42 | 5.71 | 6.84 | 0.43 | 96 | 5/8/2000 | 11.60 | 9.27 | 10.41 | 0.80 | 96 | 6/8/2000 | 16.13 | 14.40 | 15.07 | 0.62 | 96 | | | | |
| 4/9/2000 | 7.57 | 5.40 | 6.27 | 0.78 | 96 | 5/9/2000 | 12.37 | 9.89 | 11.12 | 0.74 | 96 | 6/9/2000 | 16.45 | 15.50 | 16.02 | 0.35 | 96 | | | | |
| 4/10/2000 | 8.04 | 6.33 | 6.97 | 0.55 | 96 | 5/10/2000 | 13.31 | 10.98 | 11.88 | 0.92 | 96 | 6/10/2000 | 16.29 | 15.66 | 15.96 | 0.24 | 96 | | | | |
| 4/11/2000 | 7.72 | 6.80 | 7.20 | 0.30 | 96 | 5/11/2000 | 12.84 | 11.14 | 12.24 | 0.43 | 96 | 6/11/2000 | 16.13 | 15.34 | 15.77 | 0.23 | 96 | | | | |
| 4/12/2000 | 8.65 | 6.95 | 7.58 | 0.55 | 96 | 5/12/2000 | 13.15 | 11.14 | 11.81 | 0.70 | 96 | 6/12/2000 | 15.50 | 13.15 | 14.69 | 0.81 | 96 | | | | |
| 4/13/2000 | 9.11 | 7.11 | 7.74 | 0.67 | 96 | 5/13/2000 | 13.00 | 11.14 | 11.81 | 0.65 | 96 | 6/13/2000 | 14.86 | 13.15 | 14.36 | 0.41 | 96 | | | | |
| 4/14/2000 | 7.57 | 5.08 | 5.81 | 0.56 | 96 | 5/14/2000 | 13.00 | 9.42 | 12.04 | 1.07 | 96 | 6/14/2000 | 14.55 | 13.61 | 14.20 | 0.26 | 96 | | | | |
| 4/15/2000 | 5.40 | 4.45 | 4.85 | 0.31 | 96 | 5/15/2000 | 11.75 | 8.81 | 10.29 | 1.03 | 96 | 6/15/2000 | 16.61 | 14.40 | 15.20 | 0.88 | 96 | | | | |
| 4/16/2000 | 7.26 | 4.77 | 6.10 | 0.74 | 96 | 5/16/2000 | 12.06 | 9.27 | 10.86 | 0.90 | 96 | 6/16/2000 | 16.45 | 12.22 | 14.77 | 1.31 | 96 | | | | |
| 4/17/2000 | 8.65 | 7.11 | 7.63 | 0.52 | 96 | 5/17/2000 | 14.86 | 10.36 | 13.41 | 1.24 | 96 | 6/17/2000 | 14.08 | 12.22 | 13.48 | 0.53 | 96 | | | | |
| 4/18/2000 | 8.19 | 7.26 | 7.64 | 0.36 | 96 | 5/18/2000 | 14.71 | 13.31 | 14.19 | 0.46 | 96 | 6/18/2000 | 16.13 | 13.92 | 15.02 | 0.84 | 96 | | | | |
| 4/19/2000 | 8.65 | 7.57 | 8.06 | 0.41 | 96 | 5/19/2000 | 14.40 | 13.00 | 13.87 | 0.41 | 96 | 6/19/2000 | 16.76 | 15.66 | 16.09 | 0.36 | 96 | | | | |
| 4/20/2000 | 8.65 | 5.86 | 7.58 | 0.94 | 96 | 5/20/2000 | 14.08 | 10.82 | 13.48 | 0.64 | 96 | 6/20/2000 | 16.61 | 14.08 | 15.85 | 0.77 | 96 | | | | |
| 4/21/2000 | 8.04 | 5.71 | 7.05 | 0.87 | 96 | 5/21/2000 | 13.00 | 10.05 | 12.27 | 0.79 | 96 | 6/21/2000 | 16.29 | 14.86 | 15.55 | 0.45 | 96 | | | | |
| 4/22/2000 | 9.58 | 7.42 | 8.53 | 0.74 | 96 | 5/22/2000 | 14.71 | 12.84 | 13.62 | 0.61 | 96 | 6/22/2000 | 17.88 | 15.02 | 16.44 | 0.87 | 96 | | | | |
| 4/23/2000 | 9.27 | 8.35 | 8.84 | 0.25 | 96 | 5/23/2000 | 14.71 | 11.75 | 14.10 | 0.69 | 96 | 6/23/2000 | 15.66 | 14.40 | 15.33 | 0.42 | 96 | | | | |
| 4/24/2000 | 10.36 | 8.35 | 9.22 | 0.75 | 96 | 5/24/2000 | 13.31 | 10.67 | 12.12 | 0.91 | 96 | 6/24/2000 | 16.92 | 15.34 | 15.93 | 0.57 | 96 | | | | |
| 4/25/2000 | 10.20 | 9.42 | 9.77 | 0.24 | 96 | 5/25/2000 | 14.86 | 13.31 | 14.16 | 0.41 | 96 | 6/25/2000 | 17.40 | 15.18 | 15.93 | 0.70 | 96 | | | | |
| 4/26/2000 | 10.36 | 9.27 | 9.74 | 0.42 | 96 | 5/26/2000 | 13.77 | 13.46 | 13.62 | 0.13 | 96 | 6/26/2000 | 17.08 | 14.55 | 15.69 | 0.84 | 96 | | | | |
| 4/27/2000 | 10.20 | 9.58 | 9.86 | 0.15 | 96 | 5/27/2000 | 13.77 | 10.67 | 12.58 | 0.91 | 96 | 6/27/2000 | 17.88 | 15.02 | 16.37 | 1.02 | 96 | | | | |
| 4/28/2000 | 9.74 | 9.27 | 9.36 | 0.11 | 96 | 5/28/2000 | 13.77 | 10.82 | 12.62 | 0.90 | 96 | 6/28/2000 | 19.17 | 16.29 | 17.57 | 0.98 | 96 | | | | |
| 4/29/2000 | 9.27 | 8.81 | 9.03 | 0.13 | 96 | 5/29/2000 | 14.55 | 13.31 | 13.67 | 0.39 | 96 | 6/29/2000 | 19.17 | 15.66 | 17.56 | 1.35 | 96 | | | | |
| 4/30/2000 | 8.96 | 8.04 | 8.64 | 0.25 | 96 | 5/30/2000 | 14.71 | 12.69 | 13.51 | 0.64 | 96 | 6/30/2000 | 19.98 | 18.68 | 19.11 | 0.45 | 96 | | | | |
| | | | | | | 5/31/2000 | 15.97 | 14.86 | 15.50 | 0.29 | 96 | | | | | | | | | | |
| Apr-2000 | Max | Min | Mean | Stdev | N | May-2000 | Max | Min | Mean | Stdev | N | Jun-2000 | Max | Min | Mean | Stdev | N | | | | |
| Max | 10.36 | 9.58 | 9.86 | 0.94 | 96.00 | Max | 15.97 | 14.86 | 15.50 | 1.24 | 96.00 | Max | 19.98 | 18.68 | 19.11 | 1.35 | 96.00 | | | | |
| Min | 5.40 | 4.45 | 4.85 | 0.11 | 92.00 | Min | 8.96 | 7.42 | 8.23 | 0.13 | 96.00 | Min | 14.08 | 12.22 | 13.48 | 0.22 | 96.00 | | | | |
| Mean | 8.73 | 7.21 | 7.91 | 0.49 | 95.87 | Mean | 12.80 | 10.70 | 11.87 | 0.64 | 96.00 | Mean | 16.52 | 14.55 | 15.53 | 0.64 | 96.00 | | | | |
| N | 30 | 30 | 30 | 30 | 30 | N | 31 | 31 | 31 | 31 | 31 | N | 30 | 30 | 30 | 30 | 30 | | | | |

Comments:

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | Temperature Logger | | | | | Temperature Correction Factor | | | | | Temperature Logger | | | | | Temperature Correction Factor | | | | |
|---------------------------------|---|----------|--|--------|--------------------|----------|-----------|--------------|--------|-------------------------------|-----------|-------|-------------|-----------|--------------------|--------------|--------|------------------|-----------|-------------------------------|------------|----|------------|--|
| Longitude | W 125 43.3295 <th>Latitude</th> <td>N 50 39.0673<th>UTM E</th><td></td><th>UTM N</th><td></td><th>Onset Tidbit</th><td>256406</td><th>Calibration Date</th><td>27-Apr-99</td><th>a=</th><td>0.225837299</td><th>b=</th><td>1.000664717</td><th>Onset Tidbit</th><td>378647</td><th>Calibration Date</th><td>24-Aug-00</td><th>a=</th><td>0.04537537</td><th>b=</th><td>0.99790465</td></td> | Latitude | N 50 39.0673 <th>UTM E</th> <td></td> <th>UTM N</th> <td></td> <th>Onset Tidbit</th> <td>256406</td> <th>Calibration Date</th> <td>27-Apr-99</td> <th>a=</th> <td>0.225837299</td> <th>b=</th> <td>1.000664717</td> <th>Onset Tidbit</th> <td>378647</td> <th>Calibration Date</th> <td>24-Aug-00</td> <th>a=</th> <td>0.04537537</td> <th>b=</th> <td>0.99790465</td> | UTM E | | UTM N | | Onset Tidbit | 256406 | Calibration Date | 27-Apr-99 | a= | 0.225837299 | b= | 1.000664717 | Onset Tidbit | 378647 | Calibration Date | 24-Aug-00 | a= | 0.04537537 | b= | 0.99790465 | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | | | | |
| 7/1/2000 | 19.17 | 18.52 | 18.87 | 0.21 | 96 | | 8/1/2000 | 21.12 | 19.66 | 20.19 | 0.56 | 96 | | 9/1/2000 | 17.56 | 16.76 | 17.11 | 0.24 | 96 | | | | | |
| 7/2/2000 | 19.01 | 18.20 | 18.60 | 0.29 | 96 | | 8/2/2000 | 20.31 | 19.33 | 19.77 | 0.28 | 96 | | 9/2/2000 | 18.36 | 16.13 | 16.90 | 0.71 | 96 | | | | | |
| 7/3/2000 | 18.85 | 18.04 | 18.30 | 0.20 | 96 | | 8/3/2000 | 20.31 | 18.36 | 19.26 | 0.64 | 96 | | 9/3/2000 | 17.88 | 15.97 | 16.78 | 0.57 | 96 | | | | | |
| 7/4/2000 | 18.04 | 17.24 | 17.72 | 0.21 | 96 | | 8/4/2000 | 20.47 | 18.85 | 19.59 | 0.60 | 96 | | 9/4/2000 | 18.52 | 16.45 | 17.13 | 0.74 | 96 | | | | | |
| 7/5/2000 | 17.24 | 16.92 | 17.06 | 0.12 | 96 | | 8/5/2000 | 20.63 | 19.01 | 19.75 | 0.57 | 96 | | 9/5/2000 | 20.47 | 16.29 | 17.31 | 0.78 | 95 | change | | | | |
| 7/6/2000 | 18.36 | 16.76 | 17.44 | 0.64 | 96 | | 8/6/2000 | 19.82 | 19.01 | 19.40 | 0.30 | 96 | | 9/6/2000 | 19.23 | 17.13 | 17.70 | 0.63 | 96 | | | | | |
| 7/7/2000 | 19.17 | 17.08 | 18.00 | 0.80 | 96 | | 8/7/2000 | 20.15 | 19.01 | 19.52 | 0.35 | 96 | | 9/7/2000 | 17.45 | 16.65 | 17.03 | 0.21 | 96 | | | | | |
| 7/8/2000 | 18.52 | 16.76 | 17.57 | 0.53 | 96 | | 8/8/2000 | 20.31 | 19.01 | 19.56 | 0.44 | 96 | | 9/8/2000 | 17.45 | 16.34 | 16.81 | 0.44 | 96 | | | | | |
| 7/9/2000 | 18.85 | 17.08 | 17.84 | 0.68 | 96 | | 8/9/2000 | 20.31 | 19.01 | 19.57 | 0.41 | 96 | | 9/9/2000 | 17.13 | 16.81 | 16.92 | 0.10 | 96 | | | | | |
| 7/10/2000 | 20.63 | 17.88 | 19.16 | 1.07 | 96 | | 8/10/2000 | 21.12 | 19.33 | 20.02 | 0.65 | 96 | | 9/10/2000 | 17.93 | 16.49 | 17.00 | 0.44 | 96 | | | | | |
| 7/11/2000 | 20.63 | 19.17 | 19.70 | 0.48 | 96 | | 8/11/2000 | 21.28 | 19.66 | 20.42 | 0.57 | 96 | | 9/11/2000 | 16.49 | 15.86 | 16.19 | 0.20 | 96 | | | | | |
| 7/12/2000 | 19.50 | 18.20 | 18.80 | 0.43 | 96 | | 8/12/2000 | 20.63 | 19.50 | 20.09 | 0.35 | 96 | | 9/12/2000 | 17.13 | 15.70 | 16.28 | 0.42 | 96 | | | | | |
| 7/13/2000 | 19.17 | 17.40 | 18.44 | 0.38 | 96 | | 8/13/2000 | 20.63 | 19.33 | 19.89 | 0.49 | 96 | | 9/13/2000 | 16.81 | 15.86 | 16.21 | 0.34 | 96 | | | | | |
| 7/14/2000 | 18.36 | 16.76 | 17.52 | 0.61 | 96 | | 8/14/2000 | 20.96 | 19.50 | 20.10 | 0.53 | 96 | | 9/14/2000 | 16.81 | 16.02 | 16.27 | 0.28 | 96 | | | | | |
| 7/15/2000 | 19.50 | 17.88 | 18.47 | 0.60 | 96 | | 8/15/2000 | 21.12 | 19.17 | 20.04 | 0.69 | 96 | | 9/15/2000 | 16.81 | 15.70 | 16.13 | 0.37 | 96 | | | | | |
| 7/16/2000 | 19.17 | 17.08 | 18.28 | 0.44 | 96 | | 8/16/2000 | 21.28 | 19.33 | 20.17 | 0.68 | 96 | | 9/16/2000 | 16.97 | 15.86 | 16.29 | 0.41 | 96 | | | | | |
| 7/17/2000 | 18.68 | 16.45 | 17.49 | 0.82 | 96 | | 8/17/2000 | 21.12 | 19.66 | 20.15 | 0.53 | 95 | | 9/17/2000 | 17.13 | 16.34 | 16.68 | 0.28 | 96 | | | | | |
| 7/18/2000 | 19.17 | 17.24 | 18.06 | 0.71 | 96 | | 8/18/2000 | 19.50 | 18.68 | 19.04 | 0.25 | 96 | | 9/18/2000 | 18.25 | 17.13 | 17.60 | 0.38 | 96 | | | | | |
| 7/19/2000 | 19.98 | 17.88 | 18.77 | 0.79 | 96 | | 8/19/2000 | 18.68 | 18.20 | 18.30 | 0.13 | 96 | | 9/19/2000 | 17.61 | 16.18 | 17.02 | 0.41 | 96 | | | | | |
| 7/20/2000 | 21.12 | 18.85 | 19.77 | 0.72 | 96 | | 8/20/2000 | 18.20 | 17.88 | 18.05 | 0.12 | 96 | | 9/20/2000 | 17.45 | 16.18 | 16.77 | 0.37 | 96 | | | | | |
| 7/21/2000 | 20.15 | 18.36 | 19.15 | 0.66 | 96 | | 8/21/2000 | 18.85 | 17.72 | 18.13 | 0.36 | 96 | | 9/21/2000 | 17.29 | 14.44 | 16.36 | 0.68 | 96 | | | | | |
| 7/22/2000 | 19.33 | 18.68 | 19.01 | 0.26 | 96 | | 8/22/2000 | 18.20 | 17.40 | 17.84 | 0.29 | 96 | | 9/22/2000 | 16.97 | 14.75 | 15.55 | 0.73 | 96 | | | | | |
| 7/23/2000 | 22.62 | 19.01 | 20.53 | 1.32 | 96 | | 8/23/2000 | 19.01 | 17.56 | 18.10 | 0.44 | 96 | | 9/23/2000 | 16.81 | 15.07 | 15.66 | 0.57 | 96 | | | | | |
| 7/24/2000 | 22.12 | 21.12 | 21.46 | 0.27 | 96 | | 8/24/2000 | 18.36 | 17.72 | 17.96 | 0.21 | 96 | | 9/24/2000 | 16.49 | 14.75 | 15.44 | 0.62 | 96 | | | | | |
| 7/25/2000 | 22.45 | 21.12 | 21.68 | 0.44 | 96 | | 8/25/2000 | 18.68 | 17.88 | 18.27 | 0.29 | 96 | | 9/25/2000 | 16.65 | 14.59 | 15.45 | 0.68 | 95 | | | | | |
| 7/26/2000 | 21.28 | 20.15 | 20.57 | 0.35 | 96 | | 8/26/2000 | 18.85 | 18.20 | 18.49 | 0.22 | 96 | | 9/26/2000 | 16.81 | 15.07 | 15.59 | 0.57 | 96 | | | | | |
| 7/27/2000 | 20.15 | 19.33 | 19.67 | 0.19 | 96 | | 8/27/2000 | 19.50 | 17.72 | 18.34 | 0.52 | 96 | | 9/27/2000 | 16.65 | 14.75 | 15.52 | 0.64 | 96 | | | | | |
| 7/28/2000 | 19.82 | 19.01 | 19.38 | 0.29 | 96 | | 8/28/2000 | 18.85 | 18.20 | 18.44 | 0.20 | 96 | | 9/28/2000 | 16.49 | 15.70 | 16.26 | 0.16 | 96 | | | | | |
| 7/29/2000 | 19.82 | 18.68 | 19.26 | 0.38 | 96 | | 8/29/2000 | 18.85 | 17.40 | 18.02 | 0.46 | 96 | | 9/29/2000 | 16.49 | 16.18 | 16.26 | 0.11 | 96 | | | | | |
| 7/30/2000 | 20.31 | 18.68 | 19.48 | 0.56 | 96 | | 8/30/2000 | 17.88 | 17.08 | 17.45 | 0.30 | 96 | | 9/30/2000 | 16.81 | 15.39 | 16.06 | 0.40 | 96 | | | | | |
| 7/31/2000 | 19.82 | 19.01 | 19.35 | 0.29 | 96 | | 8/31/2000 | 17.56 | 17.08 | 17.26 | 0.15 | 96 | | | | | | | | | | | | |
| Jul-2000 | Max | Min | Mean | StdDev | N | | Aug-2000 | Max | Min | Mean | StdDev | N | | Sep-2000 | Max | Min | Mean | StdDev | N | | | | | |
| | 22.62 | 21.12 | 21.68 | 1.32 | 96.00 | | | 21.28 | 19.66 | 20.42 | 0.69 | 96.00 | | | 20.47 | 17.13 | 17.70 | 0.78 | 96.00 | | | | | |
| | 17.24 | 16.45 | 17.06 | 0.12 | 96.00 | | | 17.56 | 17.08 | 17.26 | 0.12 | 95.00 | | | 16.49 | 14.44 | 15.44 | 0.10 | 95.00 | | | | | |
| Mean | 19.71 | 18.21 | 18.88 | 0.51 | 96.00 | | Mean | 19.76 | 18.56 | 19.07 | 0.41 | 95.97 | | Mean | 17.36 | 15.89 | 16.48 | 0.45 | 95.93 | | | | | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | | | | | |

Comments: Sept 9 2000 change Tidbit 256406 for Tidbit 378647

Monthly Daily Water Temperatures

Glendale Spawning Channel Inlet

 Longitude W 125 43.3295
 Latitude N 50 39.0673

 Temperature Logger
 Onset Tidbit
 378647

 Temperature Correction Factor
 Calibration Date 24-Aug-00
 a= 0.04537537
 b= 0.99790465

| UTM N | | | | | | | | | | | | | | | | | | | | |
|------------|-------|-------|-------|--------|--------|----------|------------|-------|-------|-------|--------|-------|----------|------------|------|------|------|--------|-------|----------|
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 10/1/2000 | 15.86 | 14.91 | 15.41 | 0.30 | 96 | | 11/1/2000 | 10.25 | 10.10 | 10.19 | 0.07 | 96 | | 12/1/2000 | 6.85 | 6.69 | 6.80 | 0.08 | 96 | |
| 10/2/2000 | 16.02 | 14.75 | 15.30 | 0.39 | 96 | | 11/2/2000 | 10.25 | 10.10 | 10.16 | 0.07 | 96 | | 12/2/2000 | 7.00 | 6.85 | 6.85 | 0.02 | 96 | |
| 10/3/2000 | 16.02 | 15.07 | 15.34 | 0.33 | 96 | | 11/3/2000 | 10.10 | 9.94 | 10.10 | 0.02 | 96 | | 12/3/2000 | 6.85 | 6.54 | 6.71 | 0.09 | 96 | |
| 10/4/2000 | 15.86 | 14.59 | 15.07 | 0.39 | 96 | | 11/4/2000 | 10.25 | 9.78 | 10.02 | 0.13 | 96 | | 12/4/2000 | 6.69 | 6.38 | 6.56 | 0.06 | 96 | |
| 10/5/2000 | 15.54 | 13.82 | 14.53 | 0.51 | 96 | | 11/5/2000 | 9.94 | 9.78 | 9.91 | 0.06 | 96 | | 12/5/2000 | 6.69 | 6.38 | 6.47 | 0.12 | 96 | |
| 10/6/2000 | 14.91 | 13.36 | 13.98 | 0.44 | 96 | | 11/6/2000 | 9.94 | 9.64 | 9.80 | 0.09 | 96 | | 12/6/2000 | 6.54 | 6.22 | 6.43 | 0.10 | 96 | |
| 10/7/2000 | 14.13 | 13.05 | 13.58 | 0.37 | 96 | | 11/7/2000 | 9.64 | 9.48 | 9.62 | 0.06 | 96 | | 12/7/2000 | 6.69 | 6.38 | 6.53 | 0.08 | 96 | |
| 10/8/2000 | 14.29 | 13.66 | 13.95 | 0.22 | 96 | | 11/8/2000 | 9.48 | 9.17 | 9.37 | 0.10 | 96 | | 12/8/2000 | 6.54 | 6.22 | 6.38 | 0.08 | 96 | |
| 10/9/2000 | 14.13 | 13.82 | 14.00 | 0.11 | 96 | | 11/9/2000 | 9.17 | 8.55 | 8.94 | 0.14 | 96 | | 12/9/2000 | 6.22 | 5.91 | 6.03 | 0.12 | 96 | |
| 10/10/2000 | 14.44 | 13.51 | 13.79 | 0.31 | 96 | | 11/10/2000 | 8.71 | 7.94 | 8.35 | 0.23 | 96 | | 12/10/2000 | 5.91 | 5.44 | 5.65 | 0.14 | 96 | |
| 10/11/2000 | 14.29 | 13.20 | 13.54 | 0.32 | 96 | | 11/11/2000 | 8.40 | 7.94 | 8.13 | 0.11 | 96 | | 12/11/2000 | 5.44 | 5.29 | 5.42 | 0.05 | 96 | |
| 10/12/2000 | 14.44 | 12.74 | 13.48 | 0.67 | 96 | | 11/12/2000 | 8.09 | 7.94 | 8.06 | 0.06 | 96 | | 12/12/2000 | 5.44 | 5.13 | 5.22 | 0.09 | 96 | |
| 10/13/2000 | 14.13 | 13.98 | 14.05 | 0.07 | 96 | | 11/13/2000 | 8.25 | 7.94 | 8.07 | 0.10 | 96 | | 12/13/2000 | 5.29 | 4.98 | 5.14 | 0.12 | 96 | |
| 10/14/2000 | 14.59 | 13.51 | 13.86 | 0.31 | 96 | | 11/14/2000 | 8.09 | 7.78 | 7.92 | 0.12 | 96 | | 12/14/2000 | 5.13 | 4.35 | 4.74 | 0.23 | 96 | |
| 10/15/2000 | 13.51 | 12.89 | 13.18 | 0.17 | 96 | | 11/15/2000 | 7.94 | 7.47 | 7.71 | 0.12 | 96 | | 12/15/2000 | 4.51 | 4.04 | 4.33 | 0.12 | 96 | |
| 10/16/2000 | 12.89 | 12.58 | 12.71 | 0.10 | 96 | | 11/16/2000 | 7.47 | 7.16 | 7.34 | 0.12 | 96 | | 12/16/2000 | 4.35 | 3.10 | 3.72 | 0.40 | 96 | |
| 10/17/2000 | 12.58 | 12.27 | 12.42 | 0.11 | 96 | | 11/17/2000 | 7.47 | 7.16 | 7.33 | 0.13 | 96 | | 12/17/2000 | 4.98 | 4.35 | 4.72 | 0.18 | 96 | |
| 10/18/2000 | 12.74 | 12.27 | 12.48 | 0.15 | 96 | | 11/18/2000 | 7.62 | 7.16 | 7.38 | 0.13 | 96 | | 12/18/2000 | 4.98 | 4.82 | 4.88 | 0.08 | 96 | |
| 10/19/2000 | 12.43 | 11.34 | 11.94 | 0.28 | 96 | | 11/19/2000 | 7.31 | 7.00 | 7.18 | 0.13 | 96 | | 12/19/2000 | 4.98 | 4.51 | 4.84 | 0.13 | 96 | |
| 10/20/2000 | 11.65 | 11.19 | 11.41 | 0.17 | 96 | | 11/20/2000 | 7.47 | 7.31 | 7.34 | 0.06 | 96 | | 12/20/2000 | 4.51 | 4.51 | 4.51 | 0.00 | 96 | |
| 10/21/2000 | 11.65 | 11.34 | 11.50 | 0.10 | 96 | | 11/21/2000 | 7.62 | 7.16 | 7.35 | 0.11 | 96 | | 12/21/2000 | 4.51 | 4.35 | 4.42 | 0.08 | 96 | |
| 10/22/2000 | 11.49 | 11.19 | 11.25 | 0.09 | 96 | | 11/22/2000 | 7.16 | 6.85 | 7.02 | 0.13 | 96 | | 12/22/2000 | 4.51 | 4.35 | 4.43 | 0.08 | 96 | |
| 10/23/2000 | 11.19 | 10.56 | 10.93 | 0.14 | 96 | | 11/23/2000 | 7.16 | 7.00 | 7.14 | 0.05 | 96 | | 12/23/2000 | 4.51 | 4.51 | 4.51 | 0.00 | 96 | |
| 10/24/2000 | 11.19 | 10.88 | 10.98 | 0.09 | 96 | | 11/24/2000 | 7.16 | 7.00 | 7.08 | 0.08 | 95 | | 12/24/2000 | 4.67 | 4.51 | 4.53 | 0.05 | 96 | |
| 10/25/2000 | 11.19 | 10.88 | 11.01 | 0.12 | 96 | | 11/25/2000 | 7.16 | 7.00 | 7.11 | 0.07 | 96 | | 12/25/2000 | 4.67 | 4.51 | 4.57 | 0.08 | 96 | |
| 10/26/2000 | 11.03 | 10.72 | 10.94 | 0.08 | 96 | | 11/26/2000 | 7.16 | 7.00 | 7.04 | 0.07 | 96 | | 12/26/2000 | 4.67 | 4.51 | 4.62 | 0.07 | 96 | |
| 10/27/2000 | 10.72 | 10.56 | 10.69 | 0.06 | 96 | | 11/27/2000 | 7.16 | 7.00 | 7.04 | 0.07 | 96 | | 12/27/2000 | 4.67 | 4.35 | 4.54 | 0.07 | 96 | |
| 10/28/2000 | 10.72 | 10.41 | 10.59 | 0.07 | 96 | | 11/28/2000 | 7.00 | 6.85 | 6.90 | 0.07 | 96 | | 12/28/2000 | 4.51 | 4.35 | 4.39 | 0.07 | 96 | |
| 10/29/2000 | 10.56 | 10.41 | 10.54 | 0.05 | 100 | Standard | 11/29/2000 | 6.85 | 6.69 | 6.80 | 0.07 | 96 | | 12/29/2000 | 4.51 | 4.35 | 4.35 | 0.02 | 96 | |
| 10/30/2000 | 10.72 | 10.41 | 10.47 | 0.10 | 96 | | 11/30/2000 | 6.69 | 6.54 | 6.65 | 0.07 | 96 | | 12/30/2000 | 4.51 | 4.35 | 4.38 | 0.06 | 96 | |
| 10/31/2000 | 10.56 | 10.25 | 10.34 | 0.10 | 95 | | | | | | | | | 12/31/2000 | 4.51 | 4.35 | 4.43 | 0.08 | 96 | |
| Oct-2000 | Max | Min | Mean | StdDev | N | | Nov-2000 | Max | Min | Mean | StdDev | N | | Dec-2000 | Max | Min | Mean | StdDev | N | |
| Max | 16.02 | 15.07 | 15.41 | 0.67 | 100.00 | | Max | 10.25 | 10.10 | 10.19 | 0.23 | 96.00 | | Max | 7.00 | 6.85 | 6.85 | 0.40 | 96.00 | |
| Min | 10.56 | 10.25 | 10.34 | 0.05 | 95.00 | | Min | 6.69 | 6.54 | 6.65 | 0.02 | 95.00 | | Min | 4.35 | 3.10 | 3.72 | 0.00 | 96.00 | |
| Mean | 13.08 | 12.39 | 12.69 | 0.22 | 96.10 | | Mean | 8.23 | 7.95 | 8.10 | 0.09 | 95.97 | | Mean | 5.35 | 5.05 | 5.20 | 0.10 | 96.00 | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | | N | 31 | 31 | 31 | 31 | 31 | |

Comments: Oct 29 2000 change to Standard time

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | | | | | | | |
|---------------------------------|------|------|------|--------|-------|--------------------|-----------|------|------|------|--------|-------------------------------|----------|-----------|------|------|------|--------|-------|----------|-----------|------|------|------|-------|-------|----------|--|--|
| | | | | | | Temperature Logger | | | | | | Calibration Date 24-Aug-00 | | | | | | | | | | | | | | | | | |
| | | | | | | Onset Tidbit | | | | | | a= 0.04537537 | | | | | | | | | | | | | | | | | |
| | | | | | | 378647 | | | | | | b= 0.99790465 | | | | | | | | | | | | | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | | |
| 1/1/2001 | 4.67 | 4.51 | 4.54 | 0.07 | 96 | | 2/1/2001 | 4.35 | 4.20 | 4.26 | 0.07 | 96 | | 3/1/2001 | 4.20 | 3.88 | 4.04 | 0.12 | 96 | | 3/12/2001 | 4.67 | 4.35 | 4.55 | 0.14 | 96 | | | |
| 1/2/2001 | 4.51 | 4.35 | 4.48 | 0.07 | 96 | | 2/2/2001 | 4.35 | 4.20 | 4.30 | 0.07 | 96 | | 3/2/2001 | 4.35 | 3.88 | 4.09 | 0.22 | 96 | | 3/13/2001 | 5.29 | 4.67 | 4.93 | 0.21 | 96 | | | |
| 1/3/2001 | 4.51 | 4.35 | 4.44 | 0.08 | 96 | | 2/3/2001 | 4.35 | 4.04 | 4.21 | 0.11 | 96 | | 3/3/2001 | 4.51 | 4.04 | 4.22 | 0.18 | 96 | | 3/14/2001 | 5.29 | 4.20 | 4.71 | 0.37 | 96 | | | |
| 1/4/2001 | 4.51 | 4.35 | 4.36 | 0.04 | 96 | | 2/4/2001 | 4.20 | 4.04 | 4.19 | 0.05 | 96 | | 3/4/2001 | 4.82 | 3.57 | 4.11 | 0.43 | 96 | | 3/15/2001 | 5.13 | 4.67 | 4.82 | 0.17 | 96 | | | |
| 1/5/2001 | 4.67 | 4.35 | 4.53 | 0.10 | 96 | | 2/5/2001 | 4.35 | 3.88 | 4.10 | 0.12 | 96 | | 3/5/2001 | 4.82 | 3.57 | 4.18 | 0.42 | 96 | | 3/16/2001 | 4.98 | 3.57 | 4.21 | 0.49 | 96 | | | |
| 1/6/2001 | 4.51 | 4.20 | 4.32 | 0.06 | 96 | | 2/6/2001 | 4.04 | 3.73 | 3.82 | 0.12 | 96 | | 3/6/2001 | 4.98 | 3.57 | 4.21 | 0.49 | 96 | | 3/17/2001 | 5.29 | 4.67 | 4.93 | 0.21 | 96 | | | |
| 1/7/2001 | 4.35 | 4.04 | 4.24 | 0.07 | 96 | | 2/7/2001 | 4.04 | 3.73 | 3.84 | 0.12 | 96 | | 3/7/2001 | 4.82 | 3.73 | 4.21 | 0.39 | 96 | | 3/18/2001 | 4.67 | 4.35 | 4.55 | 0.14 | 96 | | | |
| 1/8/2001 | 4.51 | 4.35 | 4.43 | 0.08 | 96 | | 2/8/2001 | 3.88 | 3.42 | 3.73 | 0.16 | 96 | | 3/8/2001 | 4.51 | 4.35 | 4.39 | 0.07 | 96 | | 3/19/2001 | 4.51 | 3.57 | 4.49 | 0.45 | 96 | | | |
| 1/9/2001 | 4.51 | 4.35 | 4.38 | 0.06 | 96 | | 2/9/2001 | 4.35 | 3.88 | 4.01 | 0.16 | 96 | | 3/9/2001 | 5.29 | 4.04 | 4.49 | 0.45 | 96 | | 3/20/2001 | 4.98 | 4.04 | 4.52 | 0.35 | 96 | | | |
| 1/10/2001 | 4.51 | 4.35 | 4.42 | 0.08 | 96 | | 2/10/2001 | 4.20 | 3.88 | 4.02 | 0.10 | 96 | | 3/10/2001 | 4.98 | 4.04 | 4.52 | 0.35 | 96 | | 3/21/2001 | 5.13 | 4.51 | 4.79 | 0.23 | 96 | | | |
| 1/11/2001 | 4.51 | 4.35 | 4.39 | 0.07 | 96 | | 2/11/2001 | 4.20 | 3.57 | 3.85 | 0.19 | 96 | | 3/11/2001 | 5.13 | 4.51 | 4.79 | 0.23 | 96 | | 3/22/2001 | 4.67 | 4.35 | 4.55 | 0.14 | 96 | | | |
| 1/12/2001 | 4.35 | 4.20 | 4.27 | 0.08 | 96 | | 2/12/2001 | 4.20 | 3.42 | 3.78 | 0.27 | 96 | | 3/12/2001 | 4.67 | 4.35 | 4.55 | 0.14 | 96 | | 3/23/2001 | 4.51 | 3.57 | 4.43 | 0.13 | 96 | | | |
| 1/13/2001 | 4.35 | 4.20 | 4.30 | 0.07 | 96 | | 2/13/2001 | 4.35 | 3.73 | 3.94 | 0.23 | 96 | | 3/13/2001 | 5.29 | 4.67 | 4.93 | 0.21 | 96 | | 3/24/2001 | 4.51 | 4.20 | 4.36 | 0.07 | 96 | | | |
| 1/14/2001 | 4.20 | 4.04 | 4.14 | 0.08 | 96 | | 2/14/2001 | 4.04 | 3.73 | 3.85 | 0.13 | 96 | | 3/14/2001 | 5.29 | 4.20 | 4.71 | 0.37 | 96 | | 3/25/2001 | 5.13 | 4.67 | 4.82 | 0.17 | 96 | | | |
| 1/15/2001 | 4.20 | 3.88 | 4.02 | 0.13 | 96 | | 2/15/2001 | 4.04 | 3.26 | 3.56 | 0.23 | 96 | | 3/15/2001 | 4.82 | 4.82 | 4.82 | 0.17 | 96 | | 3/26/2001 | 4.98 | 4.51 | 4.69 | 0.11 | 96 | | | |
| 1/16/2001 | 4.35 | 3.88 | 4.09 | 0.17 | 96 | | 2/16/2001 | 3.88 | 3.10 | 3.49 | 0.31 | 96 | | 3/16/2001 | 4.98 | 4.51 | 4.69 | 0.11 | 96 | | 3/27/2001 | 5.13 | 4.82 | 4.98 | 0.09 | 96 | | | |
| 1/17/2001 | 4.20 | 4.04 | 4.07 | 0.07 | 96 | | 2/17/2001 | 4.20 | 3.57 | 3.86 | 0.21 | 96 | | 3/17/2001 | 4.67 | 4.35 | 4.53 | 0.08 | 96 | | 3/28/2001 | 5.13 | 4.98 | 5.25 | 0.26 | 95 | | | |
| 1/18/2001 | 4.20 | 4.04 | 4.06 | 0.06 | 96 | | 2/18/2001 | 3.88 | 3.73 | 3.83 | 0.07 | 96 | | 3/18/2001 | 4.67 | 4.35 | 4.43 | 0.13 | 96 | | 3/29/2001 | 5.13 | 5.13 | 5.29 | 0.12 | 96 | | | |
| 1/19/2001 | 4.35 | 4.20 | 4.26 | 0.07 | 96 | | 2/19/2001 | 4.51 | 3.57 | 3.87 | 0.30 | 96 | | 3/19/2001 | 4.51 | 4.20 | 4.36 | 0.07 | 96 | | 3/30/2001 | 6.22 | 5.44 | 5.64 | 0.43 | 96 | | | |
| 1/20/2001 | 4.35 | 4.20 | 4.28 | 0.07 | 96 | | 2/20/2001 | 4.35 | 3.57 | 3.87 | 0.29 | 96 | | 3/20/2001 | 4.98 | 4.35 | 4.59 | 0.24 | 96 | | 3/31/2001 | 5.91 | 5.44 | 5.72 | 0.12 | 96 | | | |
| 1/21/2001 | 4.67 | 4.20 | 4.31 | 0.14 | 96 | | 2/21/2001 | 4.67 | 3.57 | 3.98 | 0.41 | 96 | | 3/21/2001 | 5.44 | 4.51 | 4.81 | 0.32 | 96 | | 3/22/2001 | 5.44 | 4.35 | 4.72 | 0.33 | 96 | | | |
| 1/22/2001 | 4.51 | 4.20 | 4.30 | 0.13 | 96 | | 2/22/2001 | 4.67 | 3.73 | 4.12 | 0.28 | 96 | | 3/23/2001 | 5.44 | 4.20 | 4.65 | 0.44 | 96 | | 3/24/2001 | 4.82 | 4.20 | 4.53 | 0.18 | 96 | | | |
| 1/23/2001 | 4.35 | 3.88 | 4.11 | 0.15 | 96 | | 2/23/2001 | 4.35 | 3.88 | 4.05 | 0.18 | 96 | | 3/24/2001 | 5.60 | 4.51 | 5.00 | 0.37 | 96 | | 3/25/2001 | 5.60 | 4.51 | 5.00 | 0.37 | 96 | | | |
| 1/24/2001 | 4.35 | 4.04 | 4.16 | 0.12 | 96 | | 2/24/2001 | 4.35 | 3.42 | 3.77 | 0.30 | 96 | | 3/26/2001 | 5.44 | 4.82 | 5.06 | 0.23 | 96 | | 3/27/2001 | 5.13 | 4.82 | 4.98 | 0.09 | 96 | | | |
| 1/25/2001 | 4.35 | 4.04 | 4.22 | 0.09 | 96 | | 2/25/2001 | 3.88 | 3.26 | 3.57 | 0.20 | 96 | | 3/28/2001 | 5.60 | 4.98 | 5.25 | 0.26 | 95 | | 3/29/2001 | 5.60 | 5.13 | 5.29 | 0.12 | 96 | | | |
| 1/26/2001 | 4.35 | 3.73 | 4.00 | 0.19 | 96 | | 2/26/2001 | 4.35 | 3.26 | 3.77 | 0.39 | 96 | | 3/30/2001 | 6.22 | 5.13 | 5.64 | 0.43 | 96 | | 3/31/2001 | 5.91 | 5.44 | 5.72 | 0.12 | 96 | | | |
| 1/27/2001 | 4.35 | 3.73 | 4.00 | 0.25 | 96 | | 2/27/2001 | 4.51 | 3.57 | 3.97 | 0.38 | 96 | | | | | | | | | | | | | | | | | |
| 1/28/2001 | 4.20 | 4.04 | 4.11 | 0.08 | 96 | | 2/28/2001 | 4.82 | 4.04 | 4.31 | 0.28 | 96 | | | | | | | | | | | | | | | | | |
| 1/29/2001 | 4.35 | 4.04 | 4.12 | 0.11 | 96 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/30/2001 | 4.20 | 4.04 | 4.12 | 0.08 | 96 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/31/2001 | 4.20 | 4.04 | 4.15 | 0.08 | 96 | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan-2001 | Max | Min | Mean | StdDev | N | | Feb-2001 | Max | Min | Mean | StdDev | N | | Mar-2001 | Max | Min | Mean | StdDev | N | | | | | | | | | | |
| | 4.67 | 4.51 | 4.54 | 0.25 | 96.00 | | | 4.82 | 4.20 | 4.31 | 0.41 | 96.00 | | | 6.22 | 5.44 | 5.72 | 0.49 | 96.00 | | | | | | | | | | |
| | 4.20 | 3.73 | 4.00 | 0.04 | 96.00 | | | 3.88 | 3.10 | 3.49 | 0.05 | 96.00 | | | 4.20 | 3.57 | 4.04 | 0.07 | 95.00 | | | | | | | | | | |
| | 4.39 | 4.13 | 4.24 | 0.10 | 96.00 | | | 4.26 | 3.68 | 3.92 | 0.20 | 96.00 | | | 5.07 | 4.35 | 4.66 | 0.25 | 95.97 | | | | | | | | | | |
| | N | 31 | 31 | 31 | 31 | | | N | 28 | 28 | 28 | 28 | | | N | 31 | 31 | 31 | 31 | 31 | | | | | | | | | |

Comments:

Monthly Daily Water Temperatures

Glendale Spawning Channel Inlet

Longitude W 125 43.3295
 Latitude N 50 39.0673

UTM E
 UTM N

Temperature Logger
 Onset Tidbit
 378647

Temperature Correction Factor
 Calibration Date 24-Aug-00
 a= 0.04537537
 b= 0.99790465

| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
|-----------|-------|------|------|--------|-------|----------|-----------|-------|-------|-------|--------|-------|----------|-----------|-------|-------|-------|--------|-------|----------|
| 4/1/2001 | 7.00 | 5.44 | 6.07 | 0.61 | 92 | Daylight | 5/1/2001 | 9.48 | 9.17 | 9.33 | 0.13 | 96 | | 6/1/2001 | 13.51 | 12.58 | 12.98 | 0.35 | 96 | |
| 4/2/2001 | 7.31 | 5.44 | 6.38 | 0.45 | 96 | | 5/2/2001 | 10.10 | 9.17 | 9.47 | 0.30 | 96 | | 6/2/2001 | 13.51 | 12.43 | 12.87 | 0.37 | 96 | |
| 4/3/2001 | 6.38 | 5.13 | 5.57 | 0.43 | 96 | | 5/3/2001 | 9.32 | 9.17 | 9.29 | 0.06 | 96 | | 6/3/2001 | 14.29 | 12.58 | 13.33 | 0.65 | 96 | |
| 4/4/2001 | 6.85 | 4.98 | 5.82 | 0.79 | 96 | | 5/4/2001 | 9.17 | 8.25 | 8.69 | 0.23 | 96 | | 6/4/2001 | 15.07 | 12.58 | 13.68 | 0.88 | 96 | |
| 4/5/2001 | 7.00 | 6.07 | 6.69 | 0.23 | 96 | | 5/5/2001 | 9.94 | 8.55 | 9.18 | 0.45 | 96 | | 6/5/2001 | 15.07 | 14.59 | 14.82 | 0.14 | 96 | |
| 4/6/2001 | 7.78 | 6.07 | 6.83 | 0.72 | 96 | | 5/6/2001 | 10.88 | 9.01 | 9.77 | 0.68 | 96 | | 6/6/2001 | 14.75 | 14.13 | 14.46 | 0.12 | 96 | |
| 4/7/2001 | 9.01 | 7.47 | 8.06 | 0.56 | 96 | | 5/7/2001 | 10.25 | 8.71 | 9.66 | 0.39 | 96 | | 6/7/2001 | 14.13 | 12.89 | 13.39 | 0.34 | 96 | |
| 4/8/2001 | 8.86 | 5.76 | 7.62 | 0.82 | 96 | | 5/8/2001 | 10.72 | 9.17 | 9.68 | 0.57 | 96 | | 6/8/2001 | 13.36 | 13.05 | 13.23 | 0.14 | 96 | |
| 4/9/2001 | 8.25 | 5.60 | 7.09 | 0.99 | 96 | | 5/9/2001 | 10.88 | 9.32 | 10.38 | 0.44 | 96 | | 6/9/2001 | 14.44 | 13.05 | 13.72 | 0.47 | 96 | |
| 4/10/2001 | 8.71 | 5.76 | 7.67 | 0.74 | 96 | | 5/10/2001 | 11.19 | 9.01 | 9.91 | 0.79 | 96 | | 6/10/2001 | 13.98 | 12.89 | 13.51 | 0.26 | 96 | |
| 4/11/2001 | 6.54 | 4.82 | 5.60 | 0.54 | 96 | | 5/11/2001 | 11.49 | 10.10 | 10.63 | 0.44 | 96 | | 6/11/2001 | 14.44 | 12.74 | 13.48 | 0.61 | 96 | |
| 4/12/2001 | 6.54 | 5.91 | 6.24 | 0.18 | 96 | | 5/12/2001 | 11.49 | 9.64 | 10.50 | 0.52 | 96 | | 6/12/2001 | 15.23 | 13.66 | 14.51 | 0.38 | 96 | |
| 4/13/2001 | 7.78 | 6.22 | 6.93 | 0.65 | 96 | | 5/13/2001 | 12.89 | 11.03 | 11.87 | 0.66 | 96 | | 6/13/2001 | 13.98 | 13.36 | 13.65 | 0.23 | 96 | |
| 4/14/2001 | 8.86 | 7.16 | 7.88 | 0.68 | 96 | | 5/14/2001 | 12.11 | 8.71 | 10.27 | 1.37 | 96 | | 6/14/2001 | 15.23 | 13.66 | 14.48 | 0.52 | 96 | |
| 4/15/2001 | 10.72 | 8.09 | 9.15 | 1.04 | 96 | | 5/15/2001 | 10.56 | 8.86 | 10.11 | 0.56 | 96 | | 6/15/2001 | 15.86 | 14.75 | 15.32 | 0.34 | 96 | |
| 4/16/2001 | 9.94 | 8.40 | 8.83 | 0.44 | 96 | | 5/16/2001 | 11.19 | 10.41 | 10.68 | 0.28 | 96 | | 6/16/2001 | 15.39 | 14.13 | 14.61 | 0.43 | 96 | |
| 4/17/2001 | 9.01 | 8.09 | 8.60 | 0.30 | 96 | | 5/17/2001 | 10.88 | 10.25 | 10.56 | 0.20 | 96 | | 6/17/2001 | 16.34 | 14.29 | 15.08 | 0.76 | 96 | |
| 4/18/2001 | 8.55 | 7.78 | 8.08 | 0.21 | 96 | | 5/18/2001 | 11.80 | 10.10 | 10.97 | 0.52 | 96 | | 6/18/2001 | 17.93 | 14.75 | 16.60 | 1.04 | 96 | |
| 4/19/2001 | 8.71 | 7.62 | 8.06 | 0.36 | 96 | | 5/19/2001 | 11.96 | 10.72 | 11.20 | 0.44 | 96 | | 6/19/2001 | 17.45 | 15.23 | 16.02 | 0.64 | 96 | |
| 4/20/2001 | 9.17 | 7.47 | 8.07 | 0.63 | 96 | | 5/20/2001 | 11.80 | 10.25 | 11.21 | 0.38 | 96 | | 6/20/2001 | 17.45 | 15.86 | 16.62 | 0.51 | 96 | |
| 4/21/2001 | 9.17 | 7.62 | 8.18 | 0.54 | 96 | | 5/21/2001 | 11.65 | 10.25 | 11.18 | 0.35 | 96 | | 6/21/2001 | 16.49 | 14.75 | 15.88 | 0.59 | 96 | |
| 4/22/2001 | 9.17 | 8.09 | 8.46 | 0.41 | 96 | | 5/22/2001 | 11.49 | 9.94 | 10.61 | 0.48 | 96 | | 6/22/2001 | 17.29 | 14.91 | 16.26 | 0.79 | 96 | |
| 4/23/2001 | 9.32 | 7.78 | 8.94 | 0.49 | 96 | | 5/23/2001 | 11.49 | 8.86 | 10.47 | 0.70 | 96 | | 6/23/2001 | 17.77 | 16.18 | 16.86 | 0.53 | 96 | |
| 4/24/2001 | 9.64 | 9.01 | 9.23 | 0.19 | 96 | | 5/24/2001 | 11.80 | 8.86 | 10.52 | 0.90 | 96 | | 6/24/2001 | 17.77 | 16.81 | 17.29 | 0.31 | 96 | |
| 4/25/2001 | 9.64 | 6.22 | 8.61 | 1.34 | 96 | | 5/25/2001 | 12.58 | 10.25 | 11.25 | 0.76 | 96 | | 6/25/2001 | 17.93 | 16.65 | 17.24 | 0.42 | 96 | |
| 4/26/2001 | 8.55 | 7.62 | 8.09 | 0.28 | 96 | | 5/26/2001 | 11.80 | 10.41 | 11.55 | 0.31 | 96 | | 6/26/2001 | 18.09 | 16.97 | 17.49 | 0.45 | 96 | |
| 4/27/2001 | 9.48 | 8.55 | 9.10 | 0.34 | 96 | | 5/27/2001 | 12.43 | 11.80 | 12.18 | 0.18 | 96 | | 6/27/2001 | 18.09 | 16.65 | 17.13 | 0.43 | 96 | |
| 4/28/2001 | 10.25 | 9.32 | 9.71 | 0.37 | 96 | | 5/28/2001 | 12.58 | 11.80 | 12.17 | 0.27 | 96 | | 6/28/2001 | 17.93 | 16.49 | 16.99 | 0.51 | 96 | |
| 4/29/2001 | 9.64 | 8.86 | 9.23 | 0.28 | 96 | | 5/29/2001 | 13.82 | 12.11 | 12.97 | 0.68 | 96 | | 6/29/2001 | 17.61 | 16.49 | 17.04 | 0.37 | 96 | |
| 4/30/2001 | 9.94 | 9.17 | 9.48 | 0.24 | 96 | | 5/30/2001 | 13.66 | 13.05 | 13.30 | 0.17 | 95 | | 6/30/2001 | 19.87 | 15.86 | 17.41 | 1.37 | 96 | |
| | | | | | | | 5/31/2001 | 13.20 | 12.89 | 13.00 | 0.09 | 96 | | | | | | | | |
| Apr-2001 | Max | Min | Mean | StdDev | N | | May-2001 | Max | Min | Mean | StdDev | N | | Jun-2001 | Max | Min | Mean | StdDev | N | |
| Max | 10.72 | 9.32 | 9.71 | 1.34 | 96.00 | | Max | 13.82 | 13.05 | 13.30 | 1.37 | 96.00 | | Max | 19.87 | 16.97 | 17.49 | 1.37 | 96.00 | |
| Min | 6.38 | 4.82 | 5.57 | 0.18 | 92.00 | | Min | 9.17 | 8.25 | 8.69 | 0.06 | 95.00 | | Min | 13.36 | 12.43 | 12.87 | 0.12 | 96.00 | |
| Mean | 8.59 | 7.05 | 7.81 | 0.53 | 95.87 | | Mean | 11.44 | 9.99 | 10.73 | 0.46 | 95.97 | | Mean | 16.01 | 14.50 | 15.20 | 0.50 | 96.00 | |
| N | 30 | 30 | 30 | 30 | 30 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | |

Comments: April 1st 2001 change to daylight saving time

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | |
|---|--------------------|-------|-------|-------|-------|----------|-----------|------------------|-------|-------------------------------|-------|-------|-----------|-----------|-------|-------|-------|-------|-------|--|--|
| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Comments | Date | Calibration Date | | | | | 24-Aug-00 | | | | | | | | |
| | Onset Tidbit | | | | | | | a= | b= | | | | | | | | | | | | |
| | 378647 | | | | | | | | | | | | | | | | | | | | |
| 7/1/2001 | 20.52 | 19.07 | 19.64 | 0.41 | 96 | | 8/1/2001 | 19.07 | 17.77 | 18.42 | 0.41 | 96 | | 9/1/2001 | 18.25 | 17.61 | 17.78 | 0.20 | 96 | | |
| 7/2/2001 | 20.52 | 17.45 | 19.82 | 0.82 | 96 | | 8/2/2001 | 17.77 | 17.45 | 17.63 | 0.14 | 96 | | 9/2/2001 | 17.93 | 17.29 | 17.51 | 0.17 | 96 | | |
| 7/3/2001 | 18.42 | 17.13 | 17.68 | 0.44 | 96 | | 8/3/2001 | 17.77 | 17.13 | 17.38 | 0.14 | 96 | | 9/3/2001 | 17.61 | 16.97 | 17.21 | 0.21 | 96 | | |
| 7/4/2001 | 20.03 | 17.13 | 18.39 | 1.02 | 96 | | 8/4/2001 | 17.13 | 16.81 | 16.88 | 0.09 | 96 | | 9/4/2001 | 17.13 | 16.34 | 16.74 | 0.19 | 96 | | |
| 7/5/2001 | 20.52 | 17.93 | 19.39 | 0.86 | 96 | | 8/5/2001 | 16.81 | 16.18 | 16.50 | 0.20 | 96 | | 9/5/2001 | 16.97 | 16.18 | 16.47 | 0.27 | 96 | | |
| 7/6/2001 | 20.03 | 18.74 | 19.45 | 0.33 | 96 | | 8/6/2001 | 16.81 | 16.18 | 16.48 | 0.26 | 96 | | 9/6/2001 | 17.61 | 16.34 | 16.98 | 0.48 | 96 | | |
| 7/7/2001 | 18.74 | 17.61 | 18.03 | 0.34 | 96 | | 8/7/2001 | 17.45 | 16.34 | 16.73 | 0.38 | 96 | | 9/7/2001 | 18.09 | 16.97 | 17.35 | 0.32 | 96 | | |
| 7/8/2001 | 19.07 | 17.77 | 18.28 | 0.49 | 96 | | 8/8/2001 | 17.93 | 16.34 | 16.85 | 0.55 | 96 | | 9/8/2001 | 17.13 | 16.34 | 16.66 | 0.24 | 96 | | |
| 7/9/2001 | 18.74 | 16.97 | 17.79 | 0.68 | 96 | | 8/9/2001 | 17.93 | 16.49 | 17.08 | 0.55 | 96 | | 9/9/2001 | 16.97 | 16.02 | 16.37 | 0.27 | 96 | | |
| 7/10/2001 | 18.25 | 16.81 | 17.39 | 0.40 | 96 | | 8/10/2001 | 18.90 | 17.13 | 17.84 | 0.63 | 96 | | 9/10/2001 | 17.13 | 16.18 | 16.48 | 0.33 | 96 | | |
| 7/11/2001 | 18.74 | 16.97 | 17.77 | 0.69 | 96 | | 8/11/2001 | 19.07 | 17.77 | 18.13 | 0.45 | 96 | | 9/11/2001 | 17.61 | 15.86 | 16.56 | 0.67 | 96 | | |
| 7/12/2001 | 18.74 | 17.77 | 18.21 | 0.36 | 96 | | 8/12/2001 | 19.23 | 17.29 | 18.11 | 0.68 | 96 | | 9/12/2001 | 17.61 | 16.18 | 17.04 | 0.37 | 96 | | |
| 7/13/2001 | 18.42 | 16.97 | 17.67 | 0.47 | 96 | | 8/13/2001 | 19.23 | 17.61 | 18.36 | 0.45 | 96 | | 9/13/2001 | 16.65 | 15.70 | 16.04 | 0.32 | 96 | | |
| 7/14/2001 | 18.74 | 17.77 | 18.17 | 0.36 | 96 | | 8/14/2001 | 19.07 | 17.13 | 17.93 | 0.63 | 94 | | 9/14/2001 | 17.13 | 16.02 | 16.36 | 0.35 | 96 | | |
| 7/15/2001 | 18.58 | 18.09 | 18.24 | 0.16 | 96 | | 8/15/2001 | 19.23 | 17.93 | 18.35 | 0.47 | 96 | | 9/15/2001 | 17.13 | 16.02 | 16.42 | 0.37 | 96 | | |
| 7/16/2001 | 18.74 | 18.09 | 18.36 | 0.25 | 96 | | 8/16/2001 | 20.19 | 18.42 | 19.08 | 0.55 | 96 | | 9/16/2001 | 16.65 | 15.86 | 16.23 | 0.22 | 96 | | |
| 7/17/2001 | 18.58 | 17.93 | 18.25 | 0.19 | 96 | | 8/17/2001 | 21.01 | 18.74 | 19.75 | 0.82 | 96 | | 9/17/2001 | 17.13 | 16.02 | 16.58 | 0.46 | 96 | | |
| 7/18/2001 | 18.58 | 17.93 | 18.24 | 0.25 | 96 | | 8/18/2001 | 21.18 | 20.36 | 20.71 | 0.27 | 96 | | 9/18/2001 | 17.61 | 16.81 | 17.13 | 0.28 | 96 | | |
| 7/19/2001 | 19.07 | 17.93 | 18.44 | 0.36 | 96 | | 8/19/2001 | 20.68 | 19.39 | 19.94 | 0.39 | 96 | | 9/19/2001 | 17.61 | 16.81 | 17.17 | 0.26 | 95 | | |
| 7/20/2001 | 18.90 | 17.93 | 18.35 | 0.35 | 96 | | 8/20/2001 | 19.87 | 18.74 | 19.28 | 0.38 | 96 | | 9/20/2001 | 17.13 | 16.49 | 16.80 | 0.14 | 96 | | |
| 7/21/2001 | 18.74 | 17.13 | 17.92 | 0.54 | 96 | | 8/21/2001 | 19.39 | 18.42 | 18.78 | 0.28 | 96 | | 9/21/2001 | 16.49 | 16.02 | 16.17 | 0.13 | 96 | | |
| 7/22/2001 | 19.87 | 17.61 | 18.57 | 0.87 | 96 | | 8/22/2001 | 18.42 | 18.09 | 18.27 | 0.13 | 96 | | 9/22/2001 | 16.34 | 16.18 | 16.22 | 0.07 | 96 | | |
| 7/23/2001 | 19.71 | 18.58 | 19.16 | 0.35 | 96 | | 8/23/2001 | 18.25 | 17.61 | 17.89 | 0.16 | 96 | | 9/23/2001 | 16.81 | 15.39 | 16.12 | 0.36 | 96 | | |
| 7/24/2001 | 20.36 | 18.42 | 19.30 | 0.74 | 96 | | 8/24/2001 | 17.77 | 17.45 | 17.60 | 0.12 | 96 | | 9/24/2001 | 18.09 | 15.23 | 16.42 | 1.08 | 96 | | |
| 7/25/2001 | 20.36 | 19.07 | 19.87 | 0.32 | 96 | | 8/25/2001 | 17.45 | 16.81 | 17.15 | 0.16 | 96 | | 9/25/2001 | 17.61 | 16.81 | 17.15 | 0.20 | 96 | | |
| 7/26/2001 | 19.07 | 18.09 | 18.52 | 0.32 | 96 | | 8/26/2001 | 19.07 | 16.34 | 17.26 | 0.89 | 96 | | 9/26/2001 | 16.81 | 15.86 | 16.16 | 0.25 | 96 | | |
| 7/27/2001 | 18.42 | 17.77 | 18.08 | 0.26 | 96 | | 8/27/2001 | 19.39 | 16.81 | 18.27 | 0.88 | 96 | | 9/27/2001 | 16.18 | 15.54 | 15.79 | 0.19 | 96 | | |
| 7/28/2001 | 18.74 | 18.25 | 18.47 | 0.20 | 96 | | 8/28/2001 | 17.29 | 16.65 | 16.85 | 0.24 | 96 | | 9/28/2001 | 15.54 | 14.75 | 15.20 | 0.14 | 96 | | |
| 7/29/2001 | 19.23 | 18.25 | 18.72 | 0.37 | 96 | | 8/29/2001 | 17.61 | 16.81 | 17.05 | 0.27 | 96 | | 9/29/2001 | 14.91 | 14.59 | 14.73 | 0.11 | 96 | | |
| 7/30/2001 | 18.90 | 17.77 | 18.08 | 0.29 | 96 | | 8/30/2001 | 17.13 | 16.81 | 16.91 | 0.11 | 96 | | 9/30/2001 | 14.91 | 14.29 | 14.69 | 0.16 | 96 | | |
| 7/31/2001 | 19.23 | 17.29 | 18.04 | 0.71 | 96 | | 8/31/2001 | 18.25 | 16.81 | 17.63 | 0.37 | 96 | | | | | | | | | |
| Jul-2001 | Max | Min | Mean | Stdev | N | | Aug-2001 | Max | Min | Mean | Stdev | N | | Sep-2001 | Max | Min | Mean | Stdev | N | | |
| | 20.52 | 19.07 | 19.87 | 1.02 | 96.00 | | | 21.18 | 20.36 | 20.71 | 0.89 | 96.00 | | | 18.25 | 17.61 | 17.78 | 1.08 | 96.00 | | |
| | 18.25 | 16.81 | 17.39 | 0.16 | 96.00 | | | 16.81 | 16.18 | 16.48 | 0.09 | 94.00 | | | 14.91 | 14.29 | 14.69 | 0.07 | 95.00 | | |
| Mean | 19.18 | 17.81 | 18.46 | 0.46 | 96.00 | | Mean | 18.59 | 17.41 | 17.91 | 0.39 | 95.94 | | Mean | 17.03 | 16.09 | 16.49 | 0.29 | 95.97 | | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | | |

Comments:

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | | | |
|---------------------------------|------------|-------|-------|-------|-----------------------|-------|--------------|------------|------|-------------------------------|------|-------|-------|------------|----------------------------|----------|------|------|-------|-------|----------|-------|--|
| Longitude W 125 43.3295 | | | | | Latitude N 50 39.0673 | | | | | Temperature Logger | | | | | Calibration Date 24-Aug-00 | | | | | | | | |
| | | | | | Onset Tidbit | | | | | | | | | | a= 0.04537537 | | | | | | | | |
| | | | | | 378647 | | | | | | | | | | b= 0.99790465 | | | | | | | | |
| UTM E | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | | |
| UTM N | 10/1/2001 | 14.91 | 14.13 | 14.32 | 0.23 | 96 | | 11/1/2001 | | | | | | | 12/1/2001 | 6.38 | 6.07 | 6.16 | 0.09 | 96 | | | |
| | 10/2/2001 | 14.59 | 14.13 | 14.27 | 0.17 | 96 | | 11/2/2001 | | | | | | | 12/2/2001 | 6.38 | 6.07 | 6.17 | 0.09 | 96 | | | |
| | 10/3/2001 | 14.75 | 14.13 | 14.38 | 0.17 | 96 | | 11/3/2001 | | | | | | | 12/3/2001 | 6.07 | 5.91 | 5.94 | 0.06 | 96 | | | |
| | 10/4/2001 | 15.39 | 13.66 | 14.27 | 0.59 | 96 | | 11/4/2001 | | | | | | | 12/4/2001 | 5.91 | 5.91 | 5.91 | 0.00 | 96 | | | |
| | 10/5/2001 | 14.29 | 13.51 | 13.93 | 0.24 | 96 | | 11/5/2001 | | | | | | | 12/5/2001 | 5.91 | 5.76 | 5.88 | 0.06 | 96 | | | |
| | 10/6/2001 | 14.44 | 13.66 | 13.98 | 0.30 | 96 | | 11/6/2001 | | | | | | | 12/6/2001 | 5.91 | 5.60 | 5.76 | 0.06 | 96 | | | |
| | 10/7/2001 | 14.13 | 13.66 | 13.90 | 0.10 | 96 | | 11/7/2001 | | | | | | | 12/7/2001 | 5.76 | 5.76 | 5.76 | 0.00 | 96 | | | |
| | 10/8/2001 | 13.66 | 13.51 | 13.61 | 0.07 | 96 | | 11/8/2001 | | | | | | | 12/8/2001 | 5.91 | 5.76 | 5.87 | 0.07 | 96 | | | |
| | 10/9/2001 | 13.82 | 13.51 | 13.59 | 0.11 | 96 | | 11/9/2001 | | | | | | | 12/9/2001 | 5.76 | 5.60 | 5.65 | 0.08 | 96 | | | |
| | 10/10/2001 | 13.51 | 12.74 | 13.02 | 0.20 | 96 | | 11/10/2001 | | | | | | | 12/10/2001 | 5.76 | 5.60 | 5.67 | 0.08 | 96 | | | |
| | 10/11/2001 | 13.05 | 12.74 | 12.86 | 0.09 | 96 | | 11/11/2001 | | | | | | | 12/11/2001 | 5.76 | 5.60 | 5.65 | 0.08 | 96 | | | |
| | 10/12/2001 | 12.74 | 12.43 | 12.50 | 0.10 | 96 | | 11/12/2001 | | | | | | | 12/12/2001 | 5.60 | 5.29 | 5.53 | 0.09 | 96 | | | |
| | 10/13/2001 | 12.43 | 12.11 | 12.26 | 0.08 | 96 | | 11/13/2001 | | | | | | | 12/13/2001 | 5.60 | 5.44 | 5.54 | 0.08 | 96 | | | |
| | 10/14/2001 | 12.43 | 11.65 | 12.01 | 0.19 | 96 | | 11/14/2001 | | | | | | | 12/14/2001 | 5.60 | 5.29 | 5.41 | 0.09 | 96 | | | |
| | 10/15/2001 | 11.80 | 11.49 | 11.63 | 0.11 | 96 | | 11/15/2001 | | | | | | | 12/15/2001 | 5.44 | 5.29 | 5.41 | 0.06 | 96 | | | |
| | 10/16/2001 | 11.80 | 11.49 | 11.65 | 0.14 | 96 | | 11/16/2001 | | | | | | | 12/16/2001 | 5.60 | 5.44 | 5.51 | 0.08 | 96 | | | |
| | 10/17/2001 | 11.80 | 11.49 | 11.67 | 0.10 | 96 | | 11/17/2001 | | | | | | | 12/17/2001 | 5.44 | 5.29 | 5.36 | 0.08 | 96 | | | |
| | 10/18/2001 | 11.49 | 11.49 | 11.49 | 0.00 | 46 | data failure | 11/18/2001 | | | | | | | 12/18/2001 | 5.29 | 5.29 | 5.29 | 0.00 | 96 | | | |
| | | | | | | | | 11/19/2001 | | | | | | | 12/19/2001 | 5.29 | 5.13 | 5.26 | 0.06 | 96 | | | |
| | | | | | | | | 11/20/2001 | 8.09 | 7.94 | 8.00 | 0.07 | 54 | restart | 12/20/2001 | 5.13 | 4.82 | 4.99 | 0.08 | 96 | | | |
| | | | | | | | | 11/21/2001 | 8.09 | 7.78 | 7.95 | 0.06 | 96 | | 12/21/2001 | 4.98 | 4.67 | 4.85 | 0.12 | 96 | | | |
| | | | | | | | | 11/22/2001 | 7.94 | 7.78 | 7.82 | 0.07 | 96 | | 12/22/2001 | 4.98 | 4.82 | 4.90 | 0.08 | 96 | | | |
| | | | | | | | | 11/23/2001 | 7.94 | 7.78 | 7.81 | 0.06 | 96 | | 12/23/2001 | 4.98 | 4.82 | 4.89 | 0.08 | 96 | | | |
| | | | | | | | | 11/24/2001 | 7.78 | 7.47 | 7.58 | 0.07 | 96 | | 12/24/2001 | 5.13 | 4.82 | 4.95 | 0.07 | 96 | | | |
| | | | | | | | | 11/25/2001 | 7.62 | 7.47 | 7.55 | 0.08 | 96 | | 12/25/2001 | 4.82 | 4.51 | 4.69 | 0.07 | 96 | | | |
| | | | | | | | | 11/26/2001 | 7.62 | 7.31 | 7.48 | 0.07 | 96 | | 12/26/2001 | 4.67 | 4.51 | 4.58 | 0.08 | 96 | | | |
| | | | | | | | | 11/27/2001 | 7.47 | 7.31 | 7.35 | 0.07 | 96 | | 12/27/2001 | 4.67 | 4.51 | 4.65 | 0.05 | 96 | | | |
| | | | | | | | | 11/28/2001 | 7.31 | 7.00 | 7.11 | 0.13 | 96 | | 12/28/2001 | 4.82 | 4.67 | 4.74 | 0.08 | 96 | | | |
| | | | | | | | | 11/29/2001 | 7.16 | 6.85 | 6.91 | 0.08 | 96 | | 12/29/2001 | 4.82 | 4.67 | 4.74 | 0.07 | 96 | | | |
| | | | | | | | | 11/30/2001 | 6.85 | 6.22 | 6.62 | 0.18 | 96 | | 12/30/2001 | 4.82 | 4.51 | 4.61 | 0.09 | 96 | | | |
| | | | | | | | | | | | | | | 12/31/2001 | 4.67 | 4.35 | 4.57 | 0.11 | 96 | | | | |
| Oct-2001 | Max | 15.39 | 14.13 | 14.38 | 0.59 | 96.00 | | Nov-2001 | Max | 8.09 | 7.94 | 8.00 | 0.18 | 96.00 | | Dec-2001 | Max | 6.38 | 6.07 | 6.17 | 0.12 | 96.00 | |
| | Min | 11.49 | 11.49 | 11.49 | 0.00 | 46.00 | | | Min | 6.85 | 6.22 | 6.62 | 0.06 | 54.00 | | | Min | 4.67 | 4.35 | 4.57 | 0.00 | 96.00 | |
| | Mean | 13.39 | 12.86 | 13.07 | 0.17 | 93.22 | | | Mean | 7.62 | 7.36 | 7.47 | 0.09 | 92.18 | | | Mean | 5.42 | 5.22 | 5.32 | 0.07 | 96.00 | |
| | N | 18 | 18 | 18 | 18 | 18 | | | N | 11 | 11 | 11 | 11 | 11 | | | N | 31 | 31 | 31 | 31 | 31 | |

Comments: October 18 2001 Temperature logger failed to restart
 November 20 2001 Temperature logger restarted

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | | | |
|---|--------------------|--------|--------|--------|-------|--|-----------|-------|-------|-------------------------------|-----------|--|-----------|----------|-------|--------|----------|--|-----------|-------|----------|--|--|
| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Calibration Date a= 0.04537537 b= 0.99790465 | 24-Aug-00 | | | | | Calibration Date a= 0.04537537 b= 0.99790465 | 24-Aug-00 | | | | | Calibration Date a= 0.04537537 b= 0.99790465 | 24-Aug-00 | | | | |
| | Onset | Tidbit | 378647 | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | | 24-Aug-00 | | | | |
| | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | | |
| 1/1/2002 | 4.67 | 4.51 | 4.59 | 0.08 | 96 | 2/1/2002 | 4.20 | 4.04 | 4.08 | 0.07 | 96 | 3/1/2002 | 4.51 | 3.73 | 4.02 | 0.29 | 96 | | | | | | |
| 1/2/2002 | 4.98 | 4.51 | 4.73 | 0.20 | 96 | 2/2/2002 | 4.20 | 4.04 | 4.11 | 0.08 | 96 | 3/2/2002 | 4.67 | 3.73 | 4.12 | 0.32 | 96 | | | | | | |
| 1/3/2002 | 4.98 | 4.82 | 4.88 | 0.08 | 96 | 2/3/2002 | 4.51 | 4.20 | 4.27 | 0.11 | 96 | 3/3/2002 | 4.82 | 4.04 | 4.31 | 0.28 | 96 | | | | | | |
| 1/4/2002 | 4.82 | 4.67 | 4.79 | 0.06 | 96 | 2/4/2002 | 4.20 | 4.04 | 4.13 | 0.08 | 96 | 3/4/2002 | 4.35 | 4.04 | 4.25 | 0.08 | 96 | | | | | | |
| 1/5/2002 | 4.98 | 4.67 | 4.76 | 0.10 | 96 | 2/5/2002 | 4.35 | 4.20 | 4.25 | 0.07 | 96 | 3/5/2002 | 4.35 | 3.57 | 3.96 | 0.21 | 96 | | | | | | |
| 1/6/2002 | 5.13 | 4.98 | 4.99 | 0.05 | 96 | 2/6/2002 | 4.35 | 4.20 | 4.22 | 0.05 | 96 | 3/6/2002 | 3.57 | 2.95 | 3.25 | 0.17 | 96 | | | | | | |
| 1/7/2002 | 5.13 | 4.98 | 5.06 | 0.08 | 96 | 2/7/2002 | 4.20 | 4.04 | 4.11 | 0.08 | 96 | 3/7/2002 | 3.42 | 2.95 | 3.12 | 0.18 | 96 | | | | | | |
| 1/8/2002 | 4.98 | 4.82 | 4.97 | 0.04 | 96 | 2/8/2002 | 4.35 | 4.04 | 4.15 | 0.12 | 96 | 3/8/2002 | 3.73 | 2.78 | 3.21 | 0.38 | 96 | | | | | | |
| 1/9/2002 | 4.98 | 4.82 | 4.94 | 0.07 | 96 | 2/9/2002 | 4.35 | 4.04 | 4.15 | 0.11 | 96 | 3/9/2002 | 3.42 | 2.95 | 3.26 | 0.11 | 96 | | | | | | |
| 1/10/2002 | 4.82 | 4.82 | 4.82 | 0.00 | 96 | 2/10/2002 | 4.20 | 4.04 | 4.16 | 0.07 | 96 | 3/10/2002 | 3.42 | 2.95 | 3.12 | 0.17 | 96 | | | | | | |
| 1/11/2002 | 4.98 | 4.82 | 4.84 | 0.06 | 96 | 2/11/2002 | 4.35 | 3.88 | 4.05 | 0.13 | 96 | 3/11/2002 | 4.04 | 3.42 | 3.72 | 0.24 | 96 | | | | | | |
| 1/12/2002 | 4.98 | 4.82 | 4.96 | 0.06 | 96 | 2/12/2002 | 4.20 | 3.73 | 3.96 | 0.17 | 96 | 3/12/2002 | 3.88 | 3.57 | 3.74 | 0.08 | 96 | | | | | | |
| 1/13/2002 | 4.82 | 4.67 | 4.80 | 0.05 | 96 | 2/13/2002 | 4.35 | 3.88 | 4.08 | 0.18 | 96 | 3/13/2002 | 4.35 | 3.57 | 3.86 | 0.27 | 96 | | | | | | |
| 1/14/2002 | 4.82 | 4.67 | 4.72 | 0.07 | 96 | 2/14/2002 | 4.35 | 3.88 | 4.06 | 0.18 | 96 | 3/14/2002 | 4.04 | 3.57 | 3.78 | 0.17 | 96 | | | | | | |
| 1/15/2002 | 4.82 | 4.67 | 4.69 | 0.05 | 96 | 2/15/2002 | 4.35 | 3.73 | 3.99 | 0.21 | 96 | 3/15/2002 | 4.04 | 3.42 | 3.70 | 0.20 | 96 | | | | | | |
| 1/16/2002 | 4.82 | 4.67 | 4.71 | 0.07 | 96 | 2/16/2002 | 4.04 | 3.88 | 3.97 | 0.08 | 96 | 3/16/2002 | 3.88 | 3.26 | 3.47 | 0.22 | 96 | | | | | | |
| 1/17/2002 | 4.67 | 4.51 | 4.59 | 0.08 | 96 | 2/17/2002 | 4.20 | 4.04 | 4.08 | 0.07 | 96 | 3/17/2002 | 4.04 | 2.95 | 3.37 | 0.38 | 96 | | | | | | |
| 1/18/2002 | 4.67 | 4.51 | 4.65 | 0.05 | 96 | 2/18/2002 | 4.35 | 3.88 | 4.09 | 0.16 | 96 | 3/18/2002 | 3.42 | 2.95 | 3.20 | 0.11 | 96 | | | | | | |
| 1/19/2002 | 4.67 | 4.35 | 4.57 | 0.08 | 96 | 2/19/2002 | 4.35 | 4.20 | 4.27 | 0.08 | 96 | 3/19/2002 | 3.73 | 2.95 | 3.30 | 0.30 | 96 | | | | | | |
| 1/20/2002 | 4.51 | 4.35 | 4.46 | 0.07 | 96 | 2/20/2002 | 4.51 | 4.04 | 4.19 | 0.14 | 96 | 3/20/2002 | 3.73 | 2.62 | 3.16 | 0.35 | 96 | | | | | | |
| 1/21/2002 | 4.67 | 4.35 | 4.53 | 0.12 | 96 | 2/21/2002 | 4.20 | 4.04 | 4.04 | 0.02 | 96 | 3/21/2002 | 3.57 | 3.10 | 3.35 | 0.15 | 96 | | | | | | |
| 1/22/2002 | 4.51 | 4.20 | 4.38 | 0.11 | 96 | 2/22/2002 | 4.51 | 4.04 | 4.15 | 0.15 | 96 | 3/22/2002 | 4.04 | 3.26 | 3.61 | 0.29 | 96 | | | | | | |
| 1/23/2002 | 4.20 | 3.88 | 4.13 | 0.11 | 96 | 2/23/2002 | 4.20 | 3.73 | 3.89 | 0.16 | 96 | 3/23/2002 | 4.04 | 3.57 | 3.78 | 0.18 | 96 | | | | | | |
| 1/24/2002 | 4.35 | 4.20 | 4.32 | 0.06 | 96 | 2/24/2002 | 4.20 | 3.57 | 3.77 | 0.21 | 96 | 3/24/2002 | 4.20 | 3.42 | 3.78 | 0.32 | 96 | | | | | | |
| 1/25/2002 | 4.35 | 4.04 | 4.20 | 0.10 | 96 | 2/25/2002 | 4.20 | 3.57 | 3.82 | 0.21 | 96 | 3/25/2002 | 4.51 | 3.57 | 4.03 | 0.30 | 96 | | | | | | |
| 1/26/2002 | 4.20 | 3.88 | 4.09 | 0.08 | 96 | 2/26/2002 | 4.35 | 3.73 | 3.95 | 0.23 | 96 | 3/26/2002 | 4.51 | 4.04 | 4.22 | 0.15 | 96 | | | | | | |
| 1/27/2002 | 4.04 | 3.73 | 3.82 | 0.10 | 96 | 2/27/2002 | 4.51 | 3.88 | 4.09 | 0.24 | 96 | 3/27/2002 | 4.04 | 3.73 | 3.82 | 0.09 | 96 | | | | | | |
| 1/28/2002 | 3.88 | 3.42 | 3.67 | 0.14 | 96 | 2/28/2002 | 4.51 | 3.73 | 4.00 | 0.24 | 96 | 3/28/2002 | 4.35 | 3.57 | 3.96 | 0.30 | 96 | | | | | | |
| 1/29/2002 | 3.88 | 3.57 | 3.74 | 0.14 | 96 | | | | | | 3/29/2002 | 4.04 | 3.73 | 3.87 | 0.12 | 96 | | | | | | | |
| 1/30/2002 | 3.88 | 3.88 | 3.88 | 0.00 | 96 | | | | | | 3/30/2002 | 4.35 | 3.73 | 3.96 | 0.22 | 96 | | | | | | | |
| 1/31/2002 | 4.04 | 3.88 | 3.96 | 0.08 | 96 | | | | | | 3/31/2002 | 4.04 | 3.88 | 3.94 | 0.08 | 96 | | | | | | | |
| Jan-2002 | Max | Min | Mean | StdDev | N | Feb-2002 | Max | Min | Mean | StdDev | N | Mar-2002 | Max | Min | Mean | StdDev | N | | | | | | |
| Max | 5.13 | 4.98 | 5.06 | 0.20 | 96.00 | Max | 4.51 | 4.20 | 4.27 | 0.24 | 96.00 | Max | 4.82 | 4.04 | 4.31 | 0.38 | 96.00 | | | | | | |
| Min | 3.88 | 3.42 | 3.67 | 0.00 | 96.00 | Min | 4.04 | 3.57 | 3.77 | 0.02 | 96.00 | Min | 3.42 | 2.62 | 3.12 | 0.08 | 96.00 | | | | | | |
| Mean | 4.62 | 4.40 | 4.52 | 0.08 | 96.00 | Mean | 4.31 | 3.94 | 4.07 | 0.13 | 96.00 | Mean | 4.03 | 3.40 | 3.68 | 0.22 | 96.00 | | | | | | |
| N | 31 | 31 | 31 | 31 | 31 | N | 28 | 28 | 28 | 28 | 28 | N | 31 | 31 | 31 | 31 | 31 | | | | | | |

Comments:

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | | | | |
|---|--------------------|------|-------|-------|-------|----------|-----------|------------------|-------|-------|-------|-------------------------------|-----------|-----------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|
| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Comments | Date | Calibration Date | | | | | 24-Aug-00 | | | | | | | | | | | | | |
| | Onset Tidbit | | | | | | | a= | b= | | | | | | | | | | | | | | | | | |
| | 378647 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/1/2002 | 4.67 | 3.73 | 4.02 | 0.33 | 96 | | 5/1/2002 | 10.10 | 6.54 | 8.57 | 1.01 | 96 | | 6/1/2002 | 14.59 | 11.65 | 13.37 | 0.88 | 96 | | | | | | | |
| 4/2/2002 | 4.67 | 3.73 | 4.10 | 0.35 | 96 | | 5/2/2002 | 13.05 | 8.71 | 11.69 | 1.31 | 96 | | 6/2/2002 | 15.39 | 12.43 | 14.24 | 0.82 | 96 | | | | | | | |
| 4/3/2002 | 4.82 | 3.73 | 4.25 | 0.36 | 96 | | 5/3/2002 | 12.27 | 9.78 | 10.65 | 0.80 | 96 | | 6/3/2002 | 16.49 | 13.05 | 14.79 | 1.24 | 96 | | | | | | | |
| 4/4/2002 | 5.13 | 3.88 | 4.39 | 0.42 | 96 | | 5/4/2002 | 10.56 | 9.94 | 10.21 | 0.22 | 96 | | 6/4/2002 | 16.34 | 14.29 | 15.77 | 0.72 | 96 | | | | | | | |
| 4/5/2002 | 4.35 | 4.04 | 4.18 | 0.13 | 96 | | 5/5/2002 | 10.72 | 9.94 | 10.28 | 0.30 | 96 | | 6/5/2002 | 16.34 | 14.13 | 15.47 | 0.79 | 96 | | | | | | | |
| 4/6/2002 | 4.35 | 4.04 | 4.25 | 0.09 | 96 | | 5/6/2002 | 10.56 | 7.62 | 9.65 | 0.78 | 96 | | 6/6/2002 | 16.02 | 14.59 | 15.59 | 0.34 | 96 | | | | | | | |
| 4/7/2002 | 5.29 | 3.88 | 4.41 | 0.48 | 92 | Daylight | 5/7/2002 | 9.32 | 7.16 | 8.00 | 0.79 | 96 | | 6/7/2002 | 16.49 | 14.59 | 15.39 | 0.70 | 96 | | | | | | | |
| 4/8/2002 | 4.67 | 4.04 | 4.24 | 0.21 | 96 | | 5/8/2002 | 9.32 | 7.78 | 8.47 | 0.58 | 96 | | 6/8/2002 | 16.65 | 13.05 | 15.71 | 0.77 | 96 | | | | | | | |
| 4/9/2002 | 4.35 | 4.04 | 4.23 | 0.11 | 96 | | 5/9/2002 | 11.96 | 8.71 | 9.95 | 1.21 | 96 | | 6/9/2002 | 14.75 | 11.49 | 13.44 | 0.99 | 96 | | | | | | | |
| 4/10/2002 | 4.67 | 4.20 | 4.38 | 0.20 | 96 | | 5/10/2002 | 11.96 | 9.78 | 10.63 | 0.76 | 96 | | 6/10/2002 | 15.54 | 13.36 | 14.35 | 0.80 | 96 | | | | | | | |
| 4/11/2002 | 4.67 | 4.35 | 4.55 | 0.08 | 96 | | 5/11/2002 | 12.43 | 9.17 | 10.42 | 1.04 | 96 | | 6/11/2002 | 16.18 | 12.74 | 14.84 | 0.87 | 96 | | | | | | | |
| 4/12/2002 | 4.67 | 4.51 | 4.59 | 0.08 | 96 | | 5/12/2002 | 12.27 | 8.25 | 10.03 | 1.56 | 96 | | 6/12/2002 | 16.18 | 12.43 | 14.88 | 1.14 | 96 | | | | | | | |
| 4/13/2002 | 4.82 | 4.51 | 4.69 | 0.07 | 96 | | 5/13/2002 | 14.13 | 11.49 | 13.09 | 0.95 | 96 | | 6/13/2002 | 18.42 | 14.91 | 16.34 | 1.37 | 96 | | | | | | | |
| 4/14/2002 | 4.67 | 4.20 | 4.46 | 0.14 | 96 | | 5/14/2002 | 14.44 | 13.05 | 13.72 | 0.47 | 96 | | 6/14/2002 | 19.23 | 16.49 | 17.68 | 0.90 | 96 | | | | | | | |
| 4/15/2002 | 4.98 | 4.20 | 4.57 | 0.27 | 96 | | 5/15/2002 | 14.29 | 11.96 | 13.44 | 0.55 | 96 | | 6/15/2002 | 19.55 | 17.93 | 18.80 | 0.49 | 96 | | | | | | | |
| 4/16/2002 | 5.29 | 4.67 | 4.87 | 0.21 | 96 | | 5/16/2002 | 11.96 | 9.94 | 10.86 | 0.60 | 96 | | 6/16/2002 | 19.39 | 17.13 | 18.26 | 0.79 | 96 | | | | | | | |
| 4/17/2002 | 5.76 | 4.67 | 5.12 | 0.36 | 96 | | 5/17/2002 | 12.74 | 11.19 | 11.97 | 0.61 | 96 | | 6/17/2002 | 19.39 | 18.58 | 18.94 | 0.19 | 96 | | | | | | | |
| 4/18/2002 | 6.22 | 4.67 | 5.30 | 0.54 | 96 | | 5/18/2002 | 13.98 | 11.80 | 12.74 | 0.80 | 96 | | 6/18/2002 | 18.58 | 17.93 | 18.28 | 0.19 | 96 | | | | | | | |
| 4/19/2002 | 6.07 | 5.13 | 5.47 | 0.26 | 96 | | 5/19/2002 | 14.59 | 12.74 | 13.75 | 0.52 | 96 | | 6/19/2002 | 18.74 | 17.61 | 18.11 | 0.41 | 96 | | | | | | | |
| 4/20/2002 | 7.47 | 5.29 | 6.43 | 0.73 | 96 | | 5/20/2002 | 13.98 | 12.89 | 13.44 | 0.34 | 96 | | 6/20/2002 | 18.09 | 16.81 | 17.39 | 0.43 | 96 | | | | | | | |
| 4/21/2002 | 9.94 | 6.69 | 8.49 | 1.20 | 96 | | 5/21/2002 | 14.75 | 13.66 | 14.18 | 0.37 | 96 | | 6/21/2002 | 18.09 | 16.02 | 17.00 | 0.71 | 96 | | | | | | | |
| 4/22/2002 | 9.32 | 8.25 | 8.64 | 0.26 | 96 | | 5/22/2002 | 15.07 | 14.29 | 14.63 | 0.21 | 96 | | 6/22/2002 | 18.42 | 16.81 | 17.42 | 0.50 | 96 | | | | | | | |
| 4/23/2002 | 8.40 | 6.69 | 7.68 | 0.61 | 96 | | 5/23/2002 | 15.39 | 13.20 | 14.22 | 0.78 | 96 | | 6/23/2002 | 18.90 | 18.42 | 18.70 | 0.16 | 96 | | | | | | | |
| 4/24/2002 | 9.17 | 5.76 | 7.81 | 1.06 | 96 | | 5/24/2002 | 14.44 | 13.20 | 13.81 | 0.39 | 96 | | 6/24/2002 | 18.74 | 17.77 | 18.47 | 0.26 | 96 | | | | | | | |
| 4/25/2002 | 8.25 | 6.54 | 7.51 | 0.43 | 96 | | 5/25/2002 | 13.51 | 12.11 | 13.14 | 0.51 | 96 | | 6/25/2002 | 17.77 | 16.49 | 17.35 | 0.34 | 96 | | | | | | | |
| 4/26/2002 | 11.19 | 6.54 | 9.52 | 1.54 | 96 | | 5/26/2002 | 13.82 | 12.27 | 13.12 | 0.43 | 96 | | 6/26/2002 | 16.97 | 16.49 | 16.81 | 0.17 | 96 | | | | | | | |
| 4/27/2002 | 11.49 | 7.78 | 10.05 | 0.87 | 96 | | 5/27/2002 | 13.36 | 12.89 | 13.01 | 0.12 | 96 | | 6/27/2002 | 16.97 | 16.65 | 16.83 | 0.13 | 96 | | | | | | | |
| 4/28/2002 | 12.11 | 7.31 | 9.14 | 1.58 | 96 | | 5/28/2002 | 12.89 | 11.49 | 12.35 | 0.48 | 96 | | 6/28/2002 | 16.81 | 16.49 | 16.66 | 0.07 | 96 | | | | | | | |
| 4/29/2002 | 9.94 | 6.22 | 8.69 | 0.90 | 96 | | 5/29/2002 | 13.98 | 12.74 | 13.18 | 0.44 | 96 | | 6/29/2002 | 17.29 | 16.34 | 16.74 | 0.40 | 96 | | | | | | | |
| 4/30/2002 | 10.25 | 5.44 | 7.67 | 1.79 | 96 | | 5/30/2002 | 14.91 | 13.36 | 14.24 | 0.43 | 96 | | 6/30/2002 | 17.45 | 16.65 | 16.98 | 0.23 | 96 | | | | | | | |
| | | | | | | | 5/31/2002 | 14.44 | 12.43 | 13.49 | 0.58 | 96 | | | | | | | | | | | | | | |
| Apr-2002 | Max | Min | Mean | Stdev | N | | May-2002 | Max | Min | Mean | Stdev | N | | Jun-2002 | Max | Min | Mean | Stdev | N | | | | | | | |
| | 12.11 | 8.25 | 10.05 | 1.79 | 96.00 | | | 15.39 | 14.29 | 14.63 | 1.56 | 96.00 | | | 19.55 | 18.58 | 18.94 | 1.37 | 96.00 | | | | | | | |
| | 4.35 | 3.73 | 4.02 | 0.07 | 92.00 | | | 9.32 | 6.54 | 8.00 | 0.12 | 96.00 | | | 14.59 | 11.49 | 13.37 | 0.07 | 96.00 | | | | | | | |
| | 6.72 | 5.09 | 5.92 | 0.52 | 95.87 | | | 12.94 | 10.97 | 11.96 | 0.64 | 96.00 | | | 17.33 | 15.44 | 16.49 | 0.59 | 96.00 | | | | | | | |
| | 30 | 30 | 30 | 30 | 30 | | | 31 | 31 | 31 | 31 | 31 | | | 30 | 30 | 30 | 30 | 30 | | | | | | | |

Comments: April 7 2002 Change to Daylight Saving Time

Monthly Daily Water Temperatures

Glendale Spawning Channel Inlet

| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Temperature Correction Factor | | | | | | | | | | | | | | | |
|---|------------------------|-------|-------|--------|-------|-------------------------------|----------|-----------|--------------------------------|-------|-------|--------|-------|----------|-----------|-------|-------|-------|--------|-------|----------|
| | Onset Tidbit 378647 | | | | | Calibration Date 24-Aug-00 | | | a= 0.04537537 b= 0.99790465 | | | | | | | | | | | | |
| | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 7/1/2002 | 17.29 | 16.49 | 16.95 | 0.24 | 96 | | | 8/1/2002 | 19.71 | 18.58 | 19.24 | 0.35 | 96 | | 9/1/2002 | 19.87 | 18.90 | 19.25 | 0.32 | 96 | |
| 7/2/2002 | 17.13 | 16.18 | 16.68 | 0.32 | 96 | | | 8/2/2002 | 19.71 | 18.74 | 19.22 | 0.31 | 96 | | 9/2/2002 | 19.71 | 18.58 | 19.07 | 0.40 | 96 | |
| 7/3/2002 | 16.97 | 16.18 | 16.56 | 0.31 | 96 | | | 8/3/2002 | 19.71 | 18.09 | 18.70 | 0.58 | 96 | | 9/3/2002 | 19.39 | 18.25 | 18.81 | 0.39 | 96 | |
| 7/4/2002 | 17.45 | 16.49 | 16.93 | 0.36 | 96 | | | 8/4/2002 | 19.07 | 18.25 | 18.59 | 0.30 | 96 | | 9/4/2002 | 19.55 | 17.93 | 18.67 | 0.51 | 96 | |
| 7/5/2002 | 18.42 | 17.13 | 17.68 | 0.52 | 96 | | | 8/5/2002 | 19.07 | 18.42 | 18.72 | 0.23 | 96 | | 9/5/2002 | 19.39 | 17.29 | 18.19 | 0.68 | 96 | |
| 7/6/2002 | 19.07 | 17.13 | 17.99 | 0.53 | 96 | | | 8/6/2002 | 19.07 | 18.25 | 18.63 | 0.30 | 96 | | 9/6/2002 | 18.42 | 17.45 | 17.87 | 0.36 | 96 | |
| 7/7/2002 | 16.97 | 16.34 | 16.63 | 0.22 | 96 | | | 8/7/2002 | 20.03 | 18.25 | 18.98 | 0.68 | 96 | | 9/7/2002 | 18.90 | 17.13 | 17.91 | 0.60 | 96 | |
| 7/8/2002 | 17.29 | 16.81 | 16.99 | 0.15 | 96 | | | 8/8/2002 | 19.71 | 18.42 | 18.82 | 0.30 | 96 | | 9/8/2002 | 18.09 | 17.13 | 17.58 | 0.25 | 96 | |
| 7/9/2002 | 18.90 | 16.97 | 17.76 | 0.67 | 96 | | | 8/9/2002 | 18.90 | 18.42 | 18.59 | 0.14 | 96 | | 9/9/2002 | 17.13 | 16.65 | 16.97 | 0.16 | 96 | |
| 7/10/2002 | 18.42 | 16.81 | 17.46 | 0.55 | 96 | | | 8/10/2002 | 19.39 | 18.09 | 18.65 | 0.48 | 96 | | 9/10/2002 | 18.09 | 16.65 | 17.16 | 0.46 | 96 | |
| 7/11/2002 | 18.42 | 16.81 | 17.45 | 0.56 | 96 | | | 8/11/2002 | 19.39 | 17.93 | 18.48 | 0.48 | 96 | | 9/11/2002 | 18.25 | 16.65 | 17.18 | 0.51 | 96 | |
| 7/12/2002 | 18.90 | 17.13 | 17.85 | 0.64 | 96 | | | 8/12/2002 | 19.55 | 17.61 | 18.36 | 0.72 | 96 | | 9/12/2002 | 17.93 | 16.02 | 16.77 | 0.59 | 96 | |
| 7/13/2002 | 17.93 | 17.13 | 17.51 | 0.32 | 96 | | | 8/13/2002 | 19.55 | 17.61 | 18.53 | 0.65 | 95 | | 9/13/2002 | 17.93 | 16.18 | 16.82 | 0.57 | 96 | |
| 7/14/2002 | 19.07 | 17.29 | 17.99 | 0.68 | 96 | | | 8/14/2002 | 20.19 | 18.09 | 19.09 | 0.52 | 96 | | 9/14/2002 | 17.93 | 16.18 | 16.89 | 0.53 | 96 | |
| 7/15/2002 | 18.58 | 18.09 | 18.35 | 0.19 | 96 | | | 8/15/2002 | 19.07 | 18.09 | 18.46 | 0.36 | 96 | | 9/15/2002 | 17.61 | 16.81 | 17.23 | 0.31 | 96 | |
| 7/16/2002 | 18.90 | 17.93 | 18.47 | 0.25 | 96 | | | 8/16/2002 | 20.03 | 18.09 | 18.74 | 0.68 | 96 | | 9/16/2002 | 18.90 | 17.29 | 17.78 | 0.51 | 96 | |
| 7/17/2002 | 18.09 | 17.13 | 17.65 | 0.35 | 96 | | | 8/17/2002 | 20.03 | 17.93 | 18.77 | 0.76 | 96 | | 9/17/2002 | 18.42 | 16.81 | 17.45 | 0.49 | 96 | |
| 7/18/2002 | 18.42 | 17.61 | 18.10 | 0.20 | 96 | | | 8/18/2002 | 19.55 | 18.90 | 19.23 | 0.20 | 96 | | 9/18/2002 | 16.77 | 16.14 | 16.48 | 0.21 | 95 | |
| 7/19/2002 | 18.58 | 17.29 | 17.91 | 0.48 | 96 | | | 8/19/2002 | 19.71 | 18.58 | 18.95 | 0.36 | 96 | | 9/19/2002 | 17.45 | 16.65 | 16.91 | 0.31 | 96 | |
| 7/20/2002 | 19.07 | 17.77 | 18.34 | 0.45 | 96 | | | 8/20/2002 | 19.39 | 18.42 | 18.72 | 0.33 | 96 | | 9/20/2002 | 17.45 | 16.18 | 16.70 | 0.39 | 96 | |
| 7/21/2002 | 19.07 | 17.45 | 18.25 | 0.48 | 96 | | | 8/21/2002 | 19.87 | 18.09 | 18.78 | 0.58 | 96 | | 9/21/2002 | 16.81 | 15.70 | 16.15 | 0.33 | 96 | |
| 7/22/2002 | 19.39 | 17.29 | 18.29 | 0.75 | 96 | | | 8/22/2002 | 20.03 | 17.93 | 18.72 | 0.66 | 96 | | 9/22/2002 | 16.49 | 15.23 | 15.75 | 0.39 | 96 | |
| 7/23/2002 | 19.71 | 17.93 | 18.80 | 0.68 | 96 | | | 8/23/2002 | 20.19 | 18.09 | 18.87 | 0.71 | 96 | | 9/23/2002 | 15.86 | 15.39 | 15.61 | 0.15 | 96 | |
| 7/24/2002 | 20.19 | 18.58 | 19.31 | 0.59 | 96 | | | 8/24/2002 | 20.03 | 18.42 | 18.95 | 0.56 | 96 | | 9/24/2002 | 16.18 | 15.23 | 15.58 | 0.28 | 96 | |
| 7/25/2002 | 20.36 | 18.58 | 19.38 | 0.64 | 96 | | | 8/25/2002 | 20.36 | 18.42 | 19.25 | 0.72 | 96 | | 9/25/2002 | 16.34 | 15.23 | 15.59 | 0.37 | 96 | |
| 7/26/2002 | 21.18 | 19.39 | 20.18 | 0.69 | 96 | | | 8/26/2002 | 21.18 | 19.23 | 19.95 | 0.69 | 96 | | 9/26/2002 | 16.02 | 15.23 | 15.57 | 0.22 | 96 | |
| 7/27/2002 | 21.34 | 19.55 | 20.50 | 0.49 | 96 | | | 8/27/2002 | 21.34 | 19.23 | 20.05 | 0.72 | 96 | | 9/27/2002 | 16.49 | 15.39 | 15.73 | 0.36 | 96 | |
| 7/28/2002 | 20.52 | 19.23 | 19.89 | 0.46 | 96 | | | 8/28/2002 | 20.68 | 19.23 | 19.86 | 0.47 | 96 | | 9/28/2002 | 15.70 | 15.23 | 15.47 | 0.09 | 96 | |
| 7/29/2002 | 20.52 | 19.55 | 20.05 | 0.31 | 96 | | | 8/29/2002 | 19.39 | 18.90 | 19.10 | 0.13 | 96 | | 9/29/2002 | 15.86 | 14.91 | 15.29 | 0.29 | 96 | |
| 7/30/2002 | 20.52 | 19.07 | 19.79 | 0.53 | 96 | | | 8/30/2002 | 20.36 | 18.74 | 19.27 | 0.50 | 96 | | 9/30/2002 | 15.86 | 14.75 | 15.25 | 0.33 | 96 | |
| 7/31/2002 | 20.52 | 19.39 | 19.90 | 0.36 | 96 | | | 8/31/2002 | 19.39 | 18.74 | 18.99 | 0.28 | 96 | | | | | | | | |
| Jul-2002 | Max | Min | Mean | StdDev | N | | | Aug-2002 | Max | Min | Mean | StdDev | N | | Sep-2002 | Max | Min | Mean | StdDev | N | |
| | 21.34 | 19.55 | 20.50 | 0.75 | 96.00 | | | | 21.34 | 19.23 | 20.05 | 0.76 | 96.00 | | | 19.87 | 18.90 | 19.25 | 0.68 | 96.00 | |
| | 16.97 | 16.18 | 16.56 | 0.15 | 96.00 | | | | 18.90 | 17.61 | 18.36 | 0.13 | 95.00 | | | 15.70 | 14.75 | 15.25 | 0.09 | 95.00 | |
| Mean | 18.94 | 17.64 | 18.24 | 0.45 | 96.00 | | | Mean | 19.80 | 18.38 | 18.94 | 0.48 | 95.97 | | Mean | 17.63 | 16.44 | 16.92 | 0.38 | 95.97 | |
| N | 31 | 31 | 31 | 31 | 31 | | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | |

Comments:

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | Temperature Correction Factor | | | | | | | | | |
|---------------------------------|-------|-------|-------|--------|--|----------|-------|----------|------------|--|------|------|--------|-------|--|------------|----------|------|------|--|--------|----------|--|--|--|--|--|--|--|
| Longitude W 125 43.3295 | | | | | Temperature Logger Onset Tidbit 378647 | | | | | Calibration Date 24-Aug-00 a= 0.04537537 b= 0.99790465 | | | | | Temperature Logger Onset Tidbit 292786 | | | | | Calibration Date 9-Oct-02 a= 0.086771193 b= 0.99586927 | | | | | | | | | |
| UTM E | UTM N | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | | | | | | | |
| 10/1/2002 | 15.19 | 14.39 | 14.69 | 0.25 | 96 | | | | 11/1/2002 | 10.52 | 9.58 | 9.98 | 0.32 | 96 | | 12/1/2002 | 7.68 | 7.22 | 7.41 | 0.19 | 96 | | | | | | | | |
| 10/2/2002 | 14.55 | 14.24 | 14.34 | 0.11 | 96 | | | | 11/2/2002 | 10.36 | 9.43 | 9.79 | 0.33 | 96 | | 12/2/2002 | 7.68 | 7.53 | 7.65 | 0.06 | 96 | | | | | | | | |
| 10/3/2002 | 14.55 | 14.09 | 14.33 | 0.18 | 96 | | | | 11/3/2002 | 10.21 | 9.27 | 9.65 | 0.30 | 96 | | 12/3/2002 | 7.53 | 7.37 | 7.45 | 0.08 | 96 | | | | | | | | |
| 10/4/2002 | 14.39 | 14.24 | 14.30 | 0.08 | 96 | | | | 11/4/2002 | 9.74 | 8.96 | 9.39 | 0.26 | 96 | | 12/4/2002 | 7.53 | 7.53 | 7.53 | 0.00 | 96 | | | | | | | | |
| 10/5/2002 | 14.39 | 14.09 | 14.22 | 0.14 | 96 | | | | 11/5/2002 | 9.58 | 9.43 | 9.53 | 0.07 | 96 | | 12/5/2002 | 7.53 | 7.37 | 7.44 | 0.08 | 96 | | | | | | | | |
| 10/6/2002 | 14.55 | 14.24 | 14.40 | 0.10 | 96 | | | | 11/6/2002 | 10.21 | 9.43 | 9.85 | 0.25 | 96 | | 12/6/2002 | 7.37 | 7.06 | 7.18 | 0.11 | 96 | | | | | | | | |
| 10/7/2002 | 14.71 | 14.24 | 14.36 | 0.16 | 96 | | | | 11/7/2002 | 9.90 | 9.74 | 9.83 | 0.08 | 96 | | 12/7/2002 | 7.06 | 6.75 | 6.97 | 0.09 | 96 | | | | | | | | |
| 10/8/2002 | 14.55 | 14.09 | 14.27 | 0.16 | 96 | | | | 11/8/2002 | 9.74 | 9.11 | 9.48 | 0.21 | 96 | | 12/8/2002 | 7.06 | 6.75 | 6.90 | 0.10 | 96 | | | | | | | | |
| 10/9/2002 | 14.55 | 14.09 | 14.26 | 0.14 | 96 | | | | 11/9/2002 | 9.11 | 8.96 | 9.04 | 0.08 | 96 | | 12/9/2002 | 6.90 | 6.59 | 6.80 | 0.10 | 96 | | | | | | | | |
| 10/10/2002 | 14.09 | 13.62 | 13.85 | 0.16 | 96 | | | | 11/10/2002 | 9.11 | 8.96 | 9.08 | 0.06 | 96 | | 12/10/2002 | 6.90 | 6.75 | 6.90 | 0.03 | 96 | | | | | | | | |
| 10/11/2002 | 13.93 | 13.31 | 13.54 | 0.21 | 96 | | | | 11/11/2002 | 9.11 | 8.96 | 9.03 | 0.08 | 96 | | 12/11/2002 | 6.75 | 6.75 | 6.75 | 0.00 | 96 | | | | | | | | |
| 10/12/2002 | 13.62 | 12.69 | 13.08 | 0.31 | 96 | | | | 11/12/2002 | 9.43 | 8.96 | 9.14 | 0.18 | 96 | | 12/12/2002 | 7.37 | 6.75 | 7.13 | 0.23 | 96 | | | | | | | | |
| 10/13/2002 | 13.16 | 12.38 | 12.75 | 0.25 | 96 | | | | 11/13/2002 | 9.27 | 9.11 | 9.15 | 0.07 | 96 | | 12/13/2002 | 7.06 | 6.90 | 6.94 | 0.07 | 96 | | | | | | | | |
| 10/14/2002 | 13.16 | 12.23 | 12.64 | 0.27 | 96 | | | | 11/14/2002 | 9.27 | 8.96 | 9.10 | 0.06 | 96 | | 12/14/2002 | 6.90 | 6.90 | 6.90 | 0.00 | 96 | | | | | | | | |
| 10/15/2002 | 13.00 | 12.38 | 12.61 | 0.18 | 96 | | | | 11/15/2002 | 8.96 | 8.50 | 8.72 | 0.10 | 96 | | 12/15/2002 | 6.90 | 6.90 | 6.90 | 0.00 | 96 | | | | | | | | |
| 10/16/2002 | 13.00 | 12.07 | 12.44 | 0.29 | 96 | | | | 11/16/2002 | 8.80 | 8.65 | 8.69 | 0.07 | 96 | | 12/16/2002 | 6.90 | 6.75 | 6.86 | 0.07 | 96 | | | | | | | | |
| 10/17/2002 | 13.16 | 11.91 | 12.44 | 0.37 | 96 | | | | 11/17/2002 | 8.65 | 8.65 | 8.65 | 0.00 | 96 | | 12/17/2002 | 6.75 | 6.75 | 6.75 | 0.00 | 96 | | | | | | | | |
| 10/18/2002 | 12.69 | 11.76 | 12.24 | 0.33 | 96 | | | | 11/18/2002 | 8.65 | 8.65 | 8.65 | 0.00 | 96 | | 12/18/2002 | 6.75 | 6.59 | 6.65 | 0.08 | 96 | | | | | | | | |
| 10/19/2002 | 13.16 | 12.23 | 12.62 | 0.34 | 96 | | | | 11/19/2002 | 8.80 | 8.50 | 8.65 | 0.06 | 96 | | 12/19/2002 | 6.59 | 6.44 | 6.56 | 0.06 | 96 | | | | | | | | |
| 10/20/2002 | 13.62 | 13.16 | 13.34 | 0.21 | 96 | | | | 11/20/2002 | 9.01 | 8.71 | 8.89 | 0.11 | 96 | | 12/20/2002 | 6.59 | 6.28 | 6.45 | 0.08 | 96 | | | | | | | | |
| 10/21/2002 | 13.78 | 12.85 | 13.35 | 0.23 | 96 | | | | 11/21/2002 | 9.05 | 8.71 | 8.91 | 0.09 | 94 | Change | 12/21/2002 | 6.28 | 6.13 | 6.24 | 0.07 | 96 | | | | | | | | |
| 10/22/2002 | 13.31 | 12.23 | 12.61 | 0.32 | 96 | | | | 11/22/2002 | 9.05 | 8.74 | 8.87 | 0.08 | 96 | | 12/22/2002 | 6.28 | 6.28 | 6.28 | 0.00 | 96 | | | | | | | | |
| 10/23/2002 | 12.69 | 11.60 | 12.03 | 0.35 | 96 | | | | 11/23/2002 | 8.74 | 8.28 | 8.54 | 0.11 | 96 | | 12/23/2002 | 6.28 | 6.13 | 6.24 | 0.07 | 96 | | | | | | | | |
| 10/24/2002 | 12.38 | 11.29 | 11.80 | 0.31 | 96 | | | | 11/24/2002 | 8.28 | 7.98 | 8.18 | 0.08 | 96 | | 12/24/2002 | 6.13 | 5.97 | 6.04 | 0.08 | 96 | | | | | | | | |
| 10/25/2002 | 12.07 | 11.29 | 11.67 | 0.31 | 96 | | | | 11/25/2002 | 8.13 | 7.68 | 7.82 | 0.12 | 96 | | 12/25/2002 | 5.97 | 5.81 | 5.90 | 0.08 | 96 | | | | | | | | |
| 10/26/2002 | 12.07 | 11.76 | 11.88 | 0.10 | 96 | | | | 11/26/2002 | 7.82 | 7.53 | 7.67 | 0.09 | 96 | | 12/26/2002 | 6.13 | 5.97 | 6.01 | 0.07 | 96 | | | | | | | | |
| 10/27/2002 | 11.76 | 11.60 | 11.67 | 0.08 | 100 | Standard | | | 11/27/2002 | 7.82 | 7.37 | 7.62 | 0.13 | 96 | | 12/27/2002 | 5.97 | 5.65 | 5.91 | 0.08 | 96 | | | | | | | | |
| 10/28/2002 | 11.91 | 11.45 | 11.67 | 0.13 | 96 | | | | 11/28/2002 | 7.98 | 7.68 | 7.76 | 0.11 | 96 | | 12/28/2002 | 5.65 | 5.34 | 5.61 | 0.07 | 96 | | | | | | | | |
| 10/29/2002 | 11.60 | 10.68 | 11.13 | 0.30 | 96 | | | | 11/29/2002 | 7.82 | 7.53 | 7.63 | 0.11 | 96 | | 12/29/2002 | 5.34 | 5.20 | 5.30 | 0.07 | 96 | | | | | | | | |
| 10/30/2002 | 10.99 | 10.21 | 10.60 | 0.25 | 96 | | | | 11/30/2002 | 7.68 | 7.37 | 7.44 | 0.08 | 96 | | 12/30/2002 | 5.65 | 5.20 | 5.38 | 0.16 | 96 | | | | | | | | |
| 10/31/2002 | 10.83 | 9.90 | 10.25 | 0.33 | 96 | | | | | | | | | | | 12/31/2002 | 5.65 | 5.50 | 5.57 | 0.07 | 96 | | | | | | | | |
| Oct-2002 | Max | Min | Mean | StdDev | N | | | | Nov-2002 | Max | Min | Mean | StdDev | N | | | Dec-2002 | Max | Min | Mean | StdDev | N | | | | | | | |
| Max | 15.19 | 14.39 | 14.69 | 0.37 | 100.00 | | | | Max | 10.52 | 9.74 | 9.98 | 0.33 | 96.00 | | | Max | 7.68 | 7.53 | 7.65 | 0.23 | 96.00 | | | | | | | |
| Min | 10.83 | 9.90 | 10.25 | 0.08 | 96.00 | | | | Min | 7.68 | 7.37 | 7.44 | 0.00 | 94.00 | | | Min | 5.34 | 5.20 | 5.30 | 0.00 | 96.00 | | | | | | | |
| Mean | 13.27 | 12.59 | 12.88 | 0.22 | 96.13 | | | | Mean | 9.03 | 8.65 | 8.83 | 0.12 | 95.93 | | | Mean | 6.68 | 6.49 | 6.60 | 0.07 | 96.00 | | | | | | | |
| N | 31 | 31 | 31 | 31 | 31 | | | | N | 30 | 30 | 30 | 30 | 30 | | | N | 31 | 31 | 31 | 31 | 31 | | | | | | | |

Comments: October 27 2002 Change to Standard Time
November 21 2002 Change to Onset Tidbit 292786

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | |
|---------------------------------|------|------|------|--------|-----------------------|----------|-----------|------|------|---------------------------------|--------|-------|-----------|-----------|---------------------------|------|------|--------|-------|----------|
| Longitude W 125 43.3295 | | | | | Latitude N 50 39.0673 | | | | | Temperature Logger Onset Tidbit | | | | | Calibration Date 9-Oct-02 | | | | | |
| | | | | | | | | | | | | | | | a= 0.086771193 | | | | | |
| | | | | | | | | | | | | | | | b= 0.99586927 | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 1/1/2003 | 5.81 | 5.65 | 5.70 | 0.07 | 96 | | 2/1/2003 | 5.34 | 5.20 | 5.28 | 0.07 | 96 | | 3/1/2003 | 6.28 | 4.89 | 5.41 | 0.57 | 96 | |
| 1/2/2003 | 5.81 | 5.65 | 5.66 | 0.04 | 96 | | 2/2/2003 | 5.50 | 5.20 | 5.34 | 0.11 | 96 | | 3/2/2003 | 6.75 | 6.13 | 6.43 | 0.21 | 96 | |
| 1/3/2003 | 5.81 | 5.65 | 5.74 | 0.08 | 96 | | 2/3/2003 | 5.50 | 5.20 | 5.29 | 0.11 | 96 | | 3/3/2003 | 7.06 | 6.44 | 6.64 | 0.21 | 96 | |
| 1/4/2003 | 5.81 | 5.65 | 5.73 | 0.08 | 96 | | 2/4/2003 | 5.50 | 5.20 | 5.34 | 0.10 | 96 | | 3/4/2003 | 6.75 | 5.97 | 6.36 | 0.30 | 96 | |
| 1/5/2003 | 5.81 | 5.65 | 5.80 | 0.04 | 96 | | 2/5/2003 | 5.50 | 5.04 | 5.34 | 0.12 | 96 | | 3/5/2003 | 6.75 | 6.44 | 6.57 | 0.09 | 96 | |
| 1/6/2003 | 5.97 | 5.65 | 5.79 | 0.08 | 96 | | 2/6/2003 | 5.50 | 4.89 | 5.13 | 0.22 | 96 | | 3/6/2003 | 6.28 | 5.34 | 5.83 | 0.21 | 96 | |
| 1/7/2003 | 5.81 | 5.65 | 5.74 | 0.08 | 96 | | 2/7/2003 | 5.34 | 4.89 | 5.08 | 0.13 | 96 | | 3/7/2003 | 5.50 | 4.73 | 5.11 | 0.20 | 96 | |
| 1/8/2003 | 5.81 | 5.50 | 5.69 | 0.10 | 96 | | 2/8/2003 | 5.34 | 4.89 | 5.11 | 0.12 | 96 | | 3/8/2003 | 4.89 | 4.26 | 4.54 | 0.18 | 96 | |
| 1/9/2003 | 5.65 | 5.34 | 5.46 | 0.11 | 96 | | 2/9/2003 | 5.34 | 5.04 | 5.19 | 0.15 | 96 | | 3/9/2003 | 4.41 | 4.10 | 4.21 | 0.10 | 96 | |
| 1/10/2003 | 5.50 | 5.20 | 5.29 | 0.08 | 96 | | 2/10/2003 | 5.65 | 5.20 | 5.40 | 0.20 | 96 | | 3/10/2003 | 5.65 | 4.26 | 4.90 | 0.51 | 96 | |
| 1/11/2003 | 5.34 | 5.04 | 5.22 | 0.08 | 96 | | 2/11/2003 | 5.81 | 5.20 | 5.57 | 0.15 | 96 | | 3/11/2003 | 5.65 | 5.04 | 5.24 | 0.15 | 96 | |
| 1/12/2003 | 5.34 | 5.20 | 5.28 | 0.08 | 96 | | 2/12/2003 | 5.50 | 4.73 | 5.05 | 0.24 | 96 | | 3/12/2003 | 5.20 | 4.89 | 4.99 | 0.10 | 96 | |
| 1/13/2003 | 5.34 | 5.20 | 5.33 | 0.05 | 96 | | 2/13/2003 | 5.34 | 4.57 | 4.94 | 0.24 | 96 | | 3/13/2003 | 5.65 | 4.89 | 5.24 | 0.30 | 96 | |
| 1/14/2003 | 5.50 | 5.20 | 5.30 | 0.09 | 96 | | 2/14/2003 | 5.50 | 5.04 | 5.22 | 0.20 | 96 | | 3/14/2003 | 5.50 | 5.34 | 5.40 | 0.08 | 96 | |
| 1/15/2003 | 5.34 | 5.20 | 5.24 | 0.07 | 96 | | 2/15/2003 | 5.50 | 5.34 | 5.40 | 0.08 | 96 | | 3/15/2003 | 5.50 | 5.20 | 5.37 | 0.09 | 96 | |
| 1/16/2003 | 5.34 | 5.20 | 5.25 | 0.07 | 96 | | 2/16/2003 | 5.81 | 5.34 | 5.49 | 0.17 | 96 | | 3/16/2003 | 5.65 | 5.20 | 5.33 | 0.13 | 96 | |
| 1/17/2003 | 5.34 | 5.04 | 5.19 | 0.11 | 96 | | 2/17/2003 | 5.81 | 5.04 | 5.44 | 0.26 | 96 | | 3/17/2003 | 5.97 | 5.20 | 5.51 | 0.32 | 96 | |
| 1/18/2003 | 5.20 | 4.73 | 4.97 | 0.11 | 96 | | 2/18/2003 | 5.50 | 4.89 | 5.19 | 0.19 | 96 | | 3/18/2003 | 5.65 | 5.34 | 5.47 | 0.09 | 96 | |
| 1/19/2003 | 5.20 | 4.89 | 5.07 | 0.13 | 96 | | 2/19/2003 | 5.34 | 5.34 | 5.34 | 0.00 | 96 | | 3/19/2003 | 5.34 | 4.89 | 5.13 | 0.14 | 96 | |
| 1/20/2003 | 5.34 | 5.20 | 5.25 | 0.07 | 96 | | 2/20/2003 | 5.34 | 5.20 | 5.30 | 0.07 | 96 | | 3/20/2003 | 5.34 | 4.89 | 5.06 | 0.15 | 96 | |
| 1/21/2003 | 5.20 | 5.04 | 5.11 | 0.08 | 96 | | 2/21/2003 | 5.65 | 5.20 | 5.41 | 0.17 | 96 | | 3/21/2003 | 5.50 | 5.04 | 5.25 | 0.13 | 96 | |
| 1/22/2003 | 5.20 | 4.41 | 4.72 | 0.26 | 96 | | 2/22/2003 | 5.65 | 5.20 | 5.39 | 0.15 | 96 | | 3/22/2003 | 5.97 | 5.20 | 5.52 | 0.33 | 96 | |
| 1/23/2003 | 5.04 | 4.57 | 4.73 | 0.15 | 96 | | 2/23/2003 | 5.50 | 4.89 | 5.19 | 0.18 | 96 | | 3/23/2003 | 6.13 | 5.65 | 5.84 | 0.16 | 96 | |
| 1/24/2003 | 5.20 | 4.89 | 5.05 | 0.09 | 96 | | 2/24/2003 | 5.34 | 4.73 | 4.97 | 0.23 | 96 | | 3/24/2003 | 5.97 | 5.50 | 5.72 | 0.19 | 96 | |
| 1/25/2003 | 5.20 | 5.04 | 5.15 | 0.08 | 96 | | 2/25/2003 | 5.50 | 4.57 | 5.01 | 0.36 | 96 | | 3/25/2003 | 6.28 | 5.50 | 5.83 | 0.20 | 96 | |
| 1/26/2003 | 5.34 | 5.20 | 5.31 | 0.07 | 96 | | 2/26/2003 | 5.50 | 4.89 | 5.21 | 0.21 | 96 | | 3/26/2003 | 6.13 | 5.50 | 5.71 | 0.24 | 96 | |
| 1/27/2003 | 5.50 | 5.20 | 5.33 | 0.08 | 96 | | 2/27/2003 | 5.20 | 4.73 | 4.96 | 0.19 | 96 | | 3/27/2003 | 6.28 | 5.34 | 5.71 | 0.34 | 96 | |
| 1/28/2003 | 5.20 | 5.04 | 5.17 | 0.06 | 96 | | 2/28/2003 | 5.81 | 5.04 | 5.27 | 0.26 | 96 | | 3/28/2003 | 5.97 | 5.50 | 5.74 | 0.17 | 96 | |
| 1/29/2003 | 5.20 | 5.04 | 5.06 | 0.05 | 96 | | | | | | | | 3/29/2003 | 5.81 | 5.65 | 5.68 | 0.06 | 96 | | |
| 1/30/2003 | 5.20 | 5.04 | 5.05 | 0.03 | 96 | | | | | | | | 3/30/2003 | 6.28 | 5.50 | 5.72 | 0.24 | 96 | | |
| 1/31/2003 | 5.65 | 5.20 | 5.37 | 0.15 | 96 | | | | | | | | 3/31/2003 | 7.06 | 6.28 | 6.57 | 0.27 | 96 | | |
| Jan-2003 | Max | Min | Mean | StdDev | N | | Feb-2003 | Max | Min | Mean | StdDev | N | | Mar-2003 | Max | Min | Mean | StdDev | N | |
| Max | 5.97 | 5.65 | 5.80 | 0.26 | 96.00 | | Max | 5.81 | 5.34 | 5.57 | 0.36 | 96.00 | | Max | 7.06 | 6.44 | 6.64 | 0.57 | 96.00 | |
| Min | 5.04 | 4.41 | 4.72 | 0.03 | 96.00 | | Min | 5.20 | 4.57 | 4.94 | 0.00 | 96.00 | | Min | 4.41 | 4.10 | 4.21 | 0.06 | 96.00 | |
| Mean | 5.45 | 5.20 | 5.31 | 0.09 | 96.00 | | Mean | 5.51 | 5.02 | 5.24 | 0.17 | 96.00 | | Mean | 5.91 | 5.29 | 5.55 | 0.21 | 96.00 | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 28 | 28 | 28 | 28 | 28 | | N | 31 | 31 | 31 | 31 | 31 | |

Comments:

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | |
|---|--------------------|--------------|--------------|--------|----------------|----------|----------|---------------------------|-------|-------------------------------|-------|--------|----------|----------|---------------------------|-------|-------|-------|--------|-------|----------|
| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Comments | Daylight | Calibration Date 9-Oct-02 | | | | | Comments | Daylight | Calibration Date 9-Oct-02 | | | | | | |
| | W 125 43.3295 | N 50 39.0673 | Onset Tidbit | 292786 | a= 0.086771193 | | | b= 0.99586927 | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | |
| | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 4/1/2003 | 7.06 | 6.28 | 6.75 | 0.20 | 96 | | | 5/1/2003 | 11.83 | 9.67 | 10.48 | 0.81 | 96 | | 6/1/2003 | 15.87 | 15.08 | 15.57 | 0.31 | 96 | |
| 4/2/2003 | 6.59 | 6.13 | 6.32 | 0.18 | 96 | | | 5/2/2003 | 12.91 | 9.51 | 11.33 | 1.24 | 96 | | 6/2/2003 | 16.66 | 15.08 | 15.78 | 0.43 | 96 | |
| 4/3/2003 | 6.59 | 5.97 | 6.20 | 0.26 | 96 | | | 5/3/2003 | 13.37 | 10.60 | 12.32 | 0.93 | 96 | | 6/3/2003 | 16.81 | 12.91 | 15.22 | 0.99 | 96 | |
| 4/4/2003 | 7.22 | 5.65 | 6.38 | 0.61 | 96 | | | 5/4/2003 | 11.06 | 9.98 | 10.51 | 0.28 | 96 | | 6/4/2003 | 14.92 | 12.30 | 13.60 | 0.84 | 96 | |
| 4/5/2003 | 6.75 | 6.13 | 6.51 | 0.14 | 96 | | | 5/5/2003 | 12.91 | 9.98 | 11.03 | 1.07 | 96 | | 6/5/2003 | 18.73 | 13.37 | 15.37 | 1.75 | 96 | |
| 4/6/2003 | 7.37 | 5.97 | 6.53 | 0.57 | 92 | | Daylight | 5/6/2003 | 11.68 | 10.28 | 10.82 | 0.47 | 96 | | 6/6/2003 | 18.41 | 15.08 | 16.53 | 1.24 | 96 | |
| 4/7/2003 | 7.06 | 6.75 | 6.82 | 0.12 | 96 | | | 5/7/2003 | 11.83 | 10.28 | 11.06 | 0.57 | 96 | | 6/7/2003 | 17.60 | 14.30 | 16.03 | 0.93 | 96 | |
| 4/8/2003 | 6.90 | 6.59 | 6.78 | 0.11 | 96 | | | 5/8/2003 | 12.75 | 11.06 | 11.72 | 0.56 | 96 | | 6/8/2003 | 17.77 | 14.14 | 16.05 | 1.24 | 96 | |
| 4/9/2003 | 7.06 | 6.59 | 6.74 | 0.20 | 96 | | | 5/9/2003 | 12.91 | 10.91 | 11.62 | 0.72 | 96 | | 6/9/2003 | 18.41 | 16.50 | 17.43 | 0.53 | 96 | |
| 4/10/2003 | 6.90 | 6.44 | 6.67 | 0.11 | 96 | | | 5/10/2003 | 13.37 | 10.75 | 11.95 | 0.75 | 96 | | 6/10/2003 | 18.89 | 16.03 | 17.60 | 0.92 | 96 | |
| 4/11/2003 | 7.06 | 6.59 | 6.82 | 0.20 | 96 | | | 5/11/2003 | 13.37 | 9.82 | 11.78 | 1.12 | 96 | | 6/11/2003 | 18.73 | 16.19 | 17.40 | 0.88 | 96 | |
| 4/12/2003 | 7.53 | 6.75 | 7.03 | 0.21 | 96 | | | 5/12/2003 | 15.55 | 12.30 | 14.34 | 0.92 | 96 | | 6/12/2003 | 18.73 | 17.77 | 18.39 | 0.30 | 96 | |
| 4/13/2003 | 7.68 | 6.75 | 7.11 | 0.35 | 96 | | | 5/13/2003 | 14.45 | 11.68 | 13.04 | 0.73 | 96 | | 6/13/2003 | 18.73 | 17.44 | 18.02 | 0.50 | 96 | |
| 4/14/2003 | 7.82 | 6.75 | 7.32 | 0.40 | 96 | | | 5/14/2003 | 13.06 | 11.22 | 12.22 | 0.64 | 96 | | 6/14/2003 | 18.09 | 16.81 | 17.34 | 0.33 | 96 | |
| 4/15/2003 | 7.53 | 7.22 | 7.36 | 0.12 | 96 | | | 5/15/2003 | 13.06 | 12.30 | 12.67 | 0.26 | 96 | | 6/15/2003 | 17.44 | 16.50 | 16.94 | 0.36 | 96 | |
| 4/16/2003 | 7.22 | 6.75 | 6.96 | 0.10 | 96 | | | 5/16/2003 | 13.68 | 12.30 | 12.90 | 0.51 | 96 | | 6/16/2003 | 17.77 | 16.34 | 16.95 | 0.47 | 96 | |
| 4/17/2003 | 8.13 | 6.75 | 7.35 | 0.57 | 96 | | | 5/17/2003 | 14.45 | 12.60 | 13.32 | 0.57 | 96 | | 6/17/2003 | 17.60 | 15.87 | 16.73 | 0.71 | 96 | |
| 4/18/2003 | 8.74 | 7.98 | 8.33 | 0.29 | 96 | | | 5/18/2003 | 14.92 | 12.91 | 13.93 | 0.55 | 96 | | 6/18/2003 | 19.22 | 17.13 | 18.05 | 0.79 | 96 | |
| 4/19/2003 | 8.44 | 7.37 | 7.70 | 0.40 | 96 | | | 5/19/2003 | 13.21 | 11.99 | 12.63 | 0.44 | 96 | | 6/19/2003 | 19.05 | 17.44 | 18.43 | 0.45 | 96 | |
| 4/20/2003 | 7.82 | 6.75 | 7.22 | 0.37 | 96 | | | 5/20/2003 | 13.68 | 12.91 | 13.28 | 0.30 | 96 | | 6/20/2003 | 17.93 | 17.29 | 17.61 | 0.22 | 96 | |
| 4/21/2003 | 7.98 | 6.75 | 7.31 | 0.42 | 96 | | | 5/21/2003 | 13.52 | 12.45 | 12.90 | 0.27 | 96 | | 6/21/2003 | 18.09 | 17.29 | 17.60 | 0.25 | 96 | |
| 4/22/2003 | 9.67 | 7.37 | 8.31 | 0.90 | 96 | | | 5/22/2003 | 12.91 | 11.99 | 12.52 | 0.25 | 96 | | 6/22/2003 | 17.60 | 16.66 | 17.10 | 0.35 | 96 | |
| 4/23/2003 | 9.21 | 7.98 | 8.88 | 0.31 | 96 | | | 5/23/2003 | 11.99 | 11.22 | 11.59 | 0.20 | 96 | | 6/23/2003 | 17.60 | 16.34 | 16.99 | 0.40 | 96 | |
| 4/24/2003 | 8.28 | 7.68 | 7.99 | 0.19 | 96 | | | 5/24/2003 | 12.45 | 10.91 | 11.74 | 0.59 | 96 | | 6/24/2003 | 16.81 | 15.39 | 16.13 | 0.52 | 96 | |
| 4/25/2003 | 9.21 | 8.13 | 8.40 | 0.35 | 96 | | | 5/25/2003 | 13.68 | 12.30 | 13.00 | 0.44 | 96 | | 6/25/2003 | 17.77 | 15.39 | 16.54 | 0.90 | 96 | |
| 4/26/2003 | 9.21 | 8.13 | 8.54 | 0.40 | 96 | | | 5/26/2003 | 14.30 | 12.60 | 13.27 | 0.75 | 96 | | 6/26/2003 | 18.57 | 16.50 | 17.32 | 0.73 | 96 | |
| 4/27/2003 | 10.91 | 8.44 | 9.44 | 0.93 | 96 | | | 5/27/2003 | 14.14 | 12.30 | 13.20 | 0.63 | 96 | | 6/27/2003 | 18.57 | 15.71 | 17.03 | 1.03 | 96 | |
| 4/28/2003 | 11.37 | 7.68 | 9.89 | 1.08 | 96 | | | 5/28/2003 | 13.99 | 12.45 | 13.11 | 0.66 | 96 | | 6/28/2003 | 18.89 | 16.19 | 17.36 | 1.00 | 96 | |
| 4/29/2003 | 11.52 | 6.75 | 8.59 | 1.51 | 96 | | | 5/29/2003 | 14.30 | 13.06 | 13.58 | 0.37 | 96 | | 6/29/2003 | 18.09 | 16.66 | 17.41 | 0.54 | 96 | |
| 4/30/2003 | 10.44 | 8.59 | 9.52 | 0.61 | 96 | | | 5/30/2003 | 13.37 | 12.60 | 12.97 | 0.26 | 96 | | 6/30/2003 | 18.73 | 17.13 | 18.01 | 0.58 | 96 | |
| | | | | | | | | 5/31/2003 | 15.87 | 12.75 | 14.38 | 0.99 | 96 | | | | | | | | |
| Apr-2003 | Max | Min | Mean | StdDev | N | | | May-2003 | Max | Min | Mean | StdDev | N | | Jun-2003 | Max | Min | Mean | StdDev | N | |
| Max | 11.52 | 8.59 | 9.89 | 1.51 | 96.00 | | | Max | 15.87 | 13.06 | 14.38 | 1.24 | 96.00 | | Max | 19.22 | 17.77 | 18.43 | 1.75 | 96.00 | |
| Min | 6.59 | 5.65 | 6.20 | 0.10 | 92.00 | | | Min | 11.06 | 9.51 | 10.48 | 0.20 | 96.00 | | Min | 14.92 | 12.30 | 13.60 | 0.22 | 96.00 | |
| Mean | 8.18 | 6.99 | 7.52 | 0.41 | 95.87 | | | Mean | 13.37 | 11.54 | 12.43 | 0.61 | 96.00 | | Mean | 17.94 | 15.89 | 16.88 | 0.68 | 96.00 | |
| N | 30 | 30 | 30 | 30 | 30 | | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | |

Comments: April 6 2003 Change to Pacific Daylight Saving Time

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | | | | | | | | |
|---|--------------------|-------|-------|--------|-------|------------------------|------------------|-------|-------|-------------------------------|--------|----------|----------|-----------|-------|-------|--------------------|--------|-------|----------|--|------------------|----------|--|--|--|--|
| Longitude Latitude UTM E UTM N | Temperature Logger | | | | | Onset Tidbit 292786 | Calibration Date | | | | | 9-Oct-02 | | | | | Temperature Logger | | | | | Calibration Date | 9-Oct-02 | | | | |
| | | | | | | | a= 0.086771193 | | | | | | | | | | Onset Tidbit | | | | | | | | | | |
| | | | | | | | b= 0.99586927 | | | | | | | | | | 378682 | | | | | | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | | | | | | | |
| 7/1/2003 | 20.34 | 18.41 | 19.14 | 0.73 | 96 | | 8/1/2003 | 21.66 | 19.38 | 20.33 | 0.87 | 96 | | 9/1/2003 | 19.70 | 17.77 | 18.38 | 0.60 | 96 | | | | | | | | |
| 7/2/2003 | 20.02 | 19.22 | 19.56 | 0.24 | 96 | | 8/2/2003 | 22.48 | 20.83 | 21.52 | 0.57 | 96 | | 9/2/2003 | 19.22 | 17.29 | 18.01 | 0.59 | 96 | | | | | | | | |
| 7/3/2003 | 20.34 | 18.73 | 19.40 | 0.59 | 96 | | 8/3/2003 | 21.99 | 20.50 | 21.11 | 0.48 | 96 | | 9/3/2003 | 19.05 | 17.44 | 17.97 | 0.54 | 96 | | | | | | | | |
| 7/4/2003 | 19.70 | 18.73 | 19.09 | 0.28 | 96 | | 8/4/2003 | 21.82 | 20.02 | 20.79 | 0.61 | 96 | | 9/4/2003 | 19.22 | 17.44 | 18.21 | 0.62 | 96 | | | | | | | | |
| 7/5/2003 | 20.02 | 18.57 | 19.15 | 0.47 | 96 | | 8/5/2003 | 21.16 | 19.70 | 20.39 | 0.48 | 96 | | 9/5/2003 | 18.57 | 18.25 | 18.43 | 0.12 | 96 | | | | | | | | |
| 7/6/2003 | 19.70 | 18.25 | 18.89 | 0.51 | 96 | | 8/6/2003 | 21.32 | 19.38 | 20.13 | 0.74 | 96 | | 9/6/2003 | 18.41 | 17.13 | 17.69 | 0.46 | 96 | | | | | | | | |
| 7/7/2003 | 19.38 | 18.09 | 18.68 | 0.46 | 96 | | 8/7/2003 | 21.82 | 20.67 | 21.18 | 0.38 | 96 | | 9/7/2003 | 18.25 | 17.29 | 17.60 | 0.36 | 96 | | | | | | | | |
| 7/8/2003 | 19.05 | 17.93 | 18.49 | 0.38 | 96 | | 8/8/2003 | 21.49 | 20.18 | 20.73 | 0.44 | 96 | | 9/8/2003 | 18.57 | 17.13 | 17.70 | 0.44 | 96 | | | | | | | | |
| 7/9/2003 | 19.86 | 18.57 | 19.08 | 0.39 | 96 | | 8/9/2003 | 21.66 | 20.02 | 20.77 | 0.58 | 96 | | 9/9/2003 | 19.22 | 16.98 | 17.79 | 0.74 | 96 | | | | | | | | |
| 7/10/2003 | 20.02 | 17.77 | 18.70 | 0.84 | 96 | | 8/10/2003 | 21.82 | 20.99 | 21.37 | 0.27 | 96 | | 9/10/2003 | 17.77 | 17.13 | 17.34 | 0.17 | 96 | | | | | | | | |
| 7/11/2003 | 20.18 | 18.57 | 19.26 | 0.60 | 96 | | 8/11/2003 | 21.16 | 20.50 | 20.86 | 0.23 | 96 | | 9/11/2003 | 18.49 | 17.60 | 17.99 | 0.19 | 91 | Change | | | | | | | |
| 7/12/2003 | 19.54 | 18.57 | 19.07 | 0.36 | 96 | | 8/12/2003 | 22.16 | 20.18 | 20.88 | 0.69 | 96 | | 9/12/2003 | 18.81 | 17.21 | 17.79 | 0.51 | 96 | | | | | | | | |
| 7/13/2003 | 19.54 | 19.05 | 19.18 | 0.13 | 96 | | 8/13/2003 | 21.32 | 20.18 | 20.64 | 0.27 | 96 | | 9/13/2003 | 17.52 | 16.58 | 16.93 | 0.24 | 96 | | | | | | | | |
| 7/14/2003 | 19.05 | 18.57 | 18.73 | 0.15 | 96 | | 8/14/2003 | 21.99 | 19.86 | 20.64 | 0.69 | 96 | | 9/14/2003 | 18.49 | 16.42 | 17.20 | 0.77 | 96 | | | | | | | | |
| 7/15/2003 | 19.54 | 18.09 | 18.68 | 0.54 | 96 | | 8/15/2003 | 20.99 | 19.54 | 20.26 | 0.48 | 96 | | 9/15/2003 | 18.01 | 17.06 | 17.47 | 0.27 | 96 | | | | | | | | |
| 7/16/2003 | 19.05 | 18.25 | 18.46 | 0.17 | 96 | | 8/16/2003 | 21.99 | 19.86 | 20.73 | 0.77 | 96 | | 9/16/2003 | 18.17 | 16.58 | 17.19 | 0.56 | 96 | | | | | | | | |
| 7/17/2003 | 19.54 | 18.09 | 18.70 | 0.53 | 96 | | 8/17/2003 | 22.16 | 21.16 | 21.70 | 0.31 | 96 | | 9/17/2003 | 17.37 | 16.27 | 16.75 | 0.26 | 96 | | | | | | | | |
| 7/18/2003 | 19.38 | 17.77 | 18.52 | 0.59 | 96 | | 8/18/2003 | 21.99 | 20.50 | 21.06 | 0.49 | 96 | | 9/18/2003 | 16.27 | 15.47 | 15.72 | 0.21 | 96 | | | | | | | | |
| 7/19/2003 | 18.89 | 17.93 | 18.28 | 0.22 | 96 | | 8/19/2003 | 21.82 | 20.83 | 21.13 | 0.31 | 96 | | 9/19/2003 | 16.11 | 15.47 | 15.70 | 0.23 | 96 | | | | | | | | |
| 7/20/2003 | 18.89 | 18.25 | 18.49 | 0.23 | 96 | | 8/20/2003 | 21.49 | 19.22 | 20.55 | 0.45 | 96 | | 9/20/2003 | 16.11 | 15.01 | 15.48 | 0.36 | 96 | | | | | | | | |
| 7/21/2003 | 19.86 | 18.41 | 18.95 | 0.55 | 96 | | 8/21/2003 | 20.99 | 18.57 | 19.70 | 0.77 | 96 | | 9/21/2003 | 15.47 | 15.01 | 15.23 | 0.18 | 96 | | | | | | | | |
| 7/22/2003 | 19.22 | 17.77 | 18.40 | 0.51 | 96 | | 8/22/2003 | 20.99 | 19.38 | 19.96 | 0.58 | 96 | | 9/22/2003 | 15.79 | 15.01 | 15.32 | 0.26 | 96 | | | | | | | | |
| 7/23/2003 | 19.70 | 18.25 | 18.84 | 0.54 | 96 | | 8/23/2003 | 20.83 | 18.89 | 19.76 | 0.62 | 96 | | 9/23/2003 | 16.42 | 15.47 | 15.74 | 0.33 | 96 | | | | | | | | |
| 7/24/2003 | 20.67 | 18.89 | 19.71 | 0.64 | 96 | | 8/24/2003 | 19.70 | 18.73 | 19.05 | 0.24 | 96 | | 9/24/2003 | 15.47 | 14.69 | 15.02 | 0.21 | 96 | | | | | | | | |
| 7/25/2003 | 20.67 | 19.38 | 19.91 | 0.45 | 96 | | 8/25/2003 | 18.73 | 17.93 | 18.17 | 0.22 | 96 | | 9/25/2003 | 15.63 | 14.85 | 15.14 | 0.28 | 96 | | | | | | | | |
| 7/26/2003 | 20.02 | 18.41 | 19.24 | 0.55 | 96 | | 8/26/2003 | 18.89 | 17.44 | 17.95 | 0.45 | 96 | | 9/26/2003 | 15.95 | 14.85 | 15.20 | 0.35 | 96 | | | | | | | | |
| 7/27/2003 | 20.18 | 18.89 | 19.42 | 0.47 | 96 | | 8/27/2003 | 18.73 | 17.44 | 17.85 | 0.44 | 96 | | 9/27/2003 | 16.58 | 14.38 | 15.20 | 0.72 | 96 | | | | | | | | |
| 7/28/2003 | 20.34 | 19.05 | 19.60 | 0.48 | 96 | | 8/28/2003 | 19.05 | 17.29 | 17.82 | 0.59 | 96 | | 9/28/2003 | 17.69 | 14.53 | 15.68 | 1.23 | 96 | | | | | | | | |
| 7/29/2003 | 20.99 | 18.89 | 19.81 | 0.76 | 96 | | 8/29/2003 | 18.89 | 17.29 | 17.82 | 0.56 | 96 | | 9/29/2003 | 17.52 | 14.85 | 16.03 | 0.93 | 96 | | | | | | | | |
| 7/30/2003 | 20.83 | 19.54 | 20.05 | 0.45 | 96 | | 8/30/2003 | 18.73 | 17.29 | 17.87 | 0.46 | 96 | | 9/30/2003 | 16.27 | 15.01 | 15.55 | 0.35 | 96 | | | | | | | | |
| 7/31/2003 | 20.67 | 19.22 | 19.88 | 0.55 | 96 | | 8/31/2003 | 18.89 | 17.60 | 18.06 | 0.45 | 96 | | | | | | | | | | | | | | | |
| Jul-2003 | Max | Min | Mean | StdDev | N | | Aug-2003 | Max | Min | Mean | StdDev | N | | Sep-2003 | Max | Min | Mean | StdDev | N | | | | | | | | |
| Max | 20.99 | 19.54 | 20.05 | 0.84 | 96.00 | | Max | 22.48 | 21.16 | 21.70 | 0.87 | 96.00 | | Max | 19.70 | 18.25 | 18.43 | 1.23 | 96.00 | | | | | | | | |
| Min | 18.89 | 17.77 | 18.28 | 0.13 | 96.00 | | Min | 18.73 | 17.29 | 17.82 | 0.22 | 96.00 | | Min | 15.47 | 14.38 | 15.02 | 0.12 | 91.00 | | | | | | | | |
| Mean | 19.84 | 18.52 | 19.08 | 0.46 | 96.00 | | Mean | 20.92 | 19.40 | 20.03 | 0.50 | 96.00 | | Mean | 17.54 | 16.21 | 16.72 | 0.44 | 95.83 | | | | | | | | |
| N | 31 | 31 | 31 | 31 | 31 | | N | 31 | 31 | 31 | 31 | 31 | | N | 30 | 30 | 30 | 30 | 30 | | | | | | | | |

Comments: September 11 2003 Change to Tidbit 378682

Monthly Daily Water Temperatures

| Glendale Spawning Channel Inlet | | | | | | | | | | Temperature Correction Factor | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|-----------------------|----------|------------|------|------|-------------------------------|-------|-------|----------|-----------|---------------------------|-----|------|-------|-------|----------|
| Longitude W 125 43.3295 | | | | | Latitude N 50 39.0673 | | | | | Temperature Logger | | | | | Calibration Date 9-Oct-02 | | | | | |
| | | | | | Onset Tidbit | | | | | | | | | | a= 0.168116734 | | | | | |
| | | | | | 378682 | | | | | | | | | | b= 0.995233505 | | | | | |
| Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments | Date | Max | Min | Mean | StDev | Count | Comments |
| 10/1/2003 | 16.11 | 15.01 | 15.43 | 0.35 | 96 | | 11/1/2003 | 8.98 | 8.52 | 8.72 | 0.20 | 96 | | 12/1/2003 | | | | | | |
| 10/2/2003 | 15.95 | 15.01 | 15.30 | 0.31 | 96 | | 11/2/2003 | 8.83 | 8.52 | 8.64 | 0.13 | 96 | | | | | | | | |
| 10/3/2003 | 16.58 | 14.69 | 15.29 | 0.64 | 96 | | 11/3/2003 | 8.83 | 8.06 | 8.39 | 0.26 | 96 | | | | | | | | |
| 10/4/2003 | 15.95 | 15.17 | 15.44 | 0.31 | 96 | | 11/4/2003 | 8.37 | 7.90 | 8.14 | 0.18 | 96 | | | | | | | | |
| 10/5/2003 | 15.95 | 15.17 | 15.48 | 0.26 | 96 | | 11/5/2003 | 8.21 | 7.59 | 7.89 | 0.19 | 96 | | | | | | | | |
| 10/6/2003 | 15.63 | 15.17 | 15.30 | 0.17 | 96 | | 11/6/2003 | 7.90 | 7.28 | 7.61 | 0.22 | 96 | | | | | | | | |
| 10/7/2003 | 15.95 | 15.17 | 15.44 | 0.33 | 96 | | 11/7/2003 | 7.75 | 7.12 | 7.43 | 0.23 | 96 | | | | | | | | |
| 10/8/2003 | 15.63 | 14.38 | 15.08 | 0.29 | 96 | | 11/8/2003 | 7.75 | 7.28 | 7.48 | 0.17 | 96 | | | | | | | | |
| 10/9/2003 | 14.85 | 14.07 | 14.39 | 0.29 | 96 | | 11/9/2003 | 7.44 | 6.98 | 7.27 | 0.18 | 96 | | | | | | | | |
| 10/10/2003 | 14.85 | 14.22 | 14.48 | 0.20 | 96 | | 11/10/2003 | 7.44 | 7.28 | 7.36 | 0.08 | 96 | | | | | | | | |
| 10/11/2003 | 14.38 | 13.76 | 14.10 | 0.17 | 96 | | 11/11/2003 | 7.59 | 7.28 | 7.36 | 0.09 | 96 | | | | | | | | |
| 10/12/2003 | 13.76 | 13.45 | 13.63 | 0.12 | 96 | | 11/12/2003 | 7.44 | 7.28 | 7.37 | 0.08 | 96 | | | | | | | | |
| 10/13/2003 | 13.76 | 13.31 | 13.55 | 0.12 | 96 | | 11/13/2003 | 7.28 | 7.12 | 7.23 | 0.07 | 96 | | | | | | | | |
| 10/14/2003 | 13.61 | 13.00 | 13.30 | 0.14 | 96 | | 11/14/2003 | 7.28 | 7.12 | 7.20 | 0.08 | 96 | | | | | | | | |
| 10/15/2003 | 13.00 | 12.69 | 12.85 | 0.11 | 96 | | 11/15/2003 | 7.28 | 7.12 | 7.20 | 0.08 | 96 | | | | | | | | |
| 10/16/2003 | 12.84 | 12.38 | 12.55 | 0.12 | 96 | | 11/16/2003 | 7.12 | 7.12 | 7.12 | 0.00 | 96 | | | | | | | | |
| 10/17/2003 | 12.38 | 12.38 | 12.38 | 0.00 | 96 | | 11/17/2003 | 7.28 | 6.98 | 7.11 | 0.05 | 96 | | | | | | | | |
| 10/18/2003 | 12.53 | 12.07 | 12.35 | 0.14 | 96 | | 11/18/2003 | 7.12 | 6.98 | 7.04 | 0.07 | 96 | | | | | | | | |
| 10/19/2003 | 12.38 | 11.75 | 12.17 | 0.27 | 96 | | 11/19/2003 | 6.98 | 6.82 | 6.96 | 0.06 | 41 | | | | | | | | |
| 10/20/2003 | 11.91 | 11.44 | 11.74 | 0.17 | 96 | | | | | | | | | | | | | | | |
| 10/21/2003 | 12.22 | 11.75 | 11.99 | 0.11 | 96 | | | | | | | | | | | | | | | |
| 10/22/2003 | 12.38 | 12.07 | 12.21 | 0.06 | 96 | | | | | | | | | | | | | | | |
| 10/23/2003 | 12.38 | 11.91 | 12.04 | 0.13 | 96 | | | | | | | | | | | | | | | |
| 10/24/2003 | 11.91 | 11.60 | 11.76 | 0.05 | 96 | | | | | | | | | | | | | | | |
| 10/25/2003 | 11.75 | 11.44 | 11.60 | 0.09 | 96 | | | | | | | | | | | | | | | |
| 10/26/2003 | 11.60 | 11.29 | 11.36 | 0.11 | 100 | Standard | | | | | | | | | | | | | | |
| 10/27/2003 | 11.44 | 11.29 | 11.34 | 0.07 | 96 | | | | | | | | | | | | | | | |
| 10/28/2003 | 11.60 | 11.15 | 11.36 | 0.11 | 96 | | | | | | | | | | | | | | | |
| 10/29/2003 | 11.15 | 7.90 | 10.47 | 1.03 | 96 | | | | | | | | | | | | | | | |
| 10/30/2003 | 8.83 | 7.44 | 8.13 | 0.44 | 96 | | | | | | | | | | | | | | | |
| 10/31/2003 | 8.98 | 7.90 | 8.52 | 0.32 | 96 | | | | | | | | | | | | | | | |
| Oct-2003 | Max | Min | Mean | Stdev | N | | Nov-2003 | Max | Min | Mean | Stdev | N | | Dec-2003 | Max | Min | Mean | Stdev | N | |
| | 16.58 | 15.17 | 15.48 | 1.03 | 100.00 | | | 8.98 | 8.52 | 8.72 | 0.26 | 96.00 | | | Max | | | | | |
| | 8.83 | 7.44 | 8.13 | 0.00 | 96.00 | | | 6.98 | 6.82 | 6.96 | 0.00 | 41.00 | | | Min | | | | | |
| | 13.30 | 12.58 | 12.94 | 0.23 | 96.13 | | | 7.73 | 7.39 | 7.56 | 0.13 | 93.11 | | | Mean | | | | | |
| | 31 | 31 | 31 | 31 | 31 | | | 19 | 19 | 19 | 19 | 19 | | | N | | | | | |

Comments: October 26 2003 Change to Pacific Standard Time
 November 19 2003 Last Download, probe still logging