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Station moved to shallow water (ca. 2.5m max) at dock from lake center on 29 October 2006

The water level sensor (referenced to dock) settles for several days after moving platform to lake center and thus underestimates water level during this period.

Adjusted Tw sensors in October 2006 based on 1:15 minutes in cooler filled with surface lake water

H310 sensor depth & Lake level are based on differential pressure sensor with ca 0.1mm resolution & vertical position referenced to bottom of lake.

Sensor PSIG converted to depth using density of water at 4$^{o}$C (1.43321 psi/m)

Lake level is referenced also to lower frame of dock at SE corner (2003-May2005)

(Actual water level at dock varies seasonally with density of water column and hourly from precip, runoff, evaporation, seepage & outflow. Outflow also varies with status of beaver dam).

| | |
|---|---|
| 5280 | ft/mile |
| 1609 | m/mile |

| | Tair avg F | Tair max F | Tair min F | | Rain-in | WS-mph | WS max mph | | | | | Tw 0.1m F | Tw 0.5m F | Tw 1m F | Tw 2m F | Tw 3m F | Tw 4m F | Tw 5m F | Tw 6m F | Tw 8m F | Tw 10m F | Tw 12m F | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 30.0 | 61.6 | 0.1 | | 2.59 | 4.2 | 30 | | | | | 35.5 | 37.5 | 37.5 | 38.1 | 38.6 | 38.5 | 38.6 | 38.5 | 38.6 | 38.3 | 38.7 | | | | | | | |
| **Month summary** | Tair avg-C | Tair Hi-C | Tair Min-C | RHair-% | Rain-mm | WS-m/s | WS Max-m/s | WDIR-deg | Barom-mb | Sum Rad W/m2 | Sum PAR uM/m2/s | Tw 0.1m | Tw 0.5m | Tw 1m | Tw 2m | Tw 3m | Tw 4m | Tw 5m | Tw 6m | Tw 8m | Tw02.0m | Tw03.3m | H310_z (m) | Lakelevel-mm (4oC) | cumul. rain-mm | Batt min-V | RH% CR10 enc | RH% MUX enc | Max of RHair |
| | **-1.1** | **16.4** | **-17.7** | **80.7** | **65.8** | **1.9** | **13.6** | **251.5** | **962.3** | **169320** | **330551** | **2.0** | **3.0** | **3.1** | **3.4** | **3.7** | **3.6** | **3.6** | **3.6** | **3.7** | **3.5** | **3.7** | **2.0** | **-1.4** | **65.8** | **12.4** | **22.5** | **15.9** | **102.8** |

month (All)

Data

| % records | Date | Day of Yr | Tair avg-C | Tair Hi-C | Tair Min-C | RHair-% | Rain-mm | WS-m/s | WS Max-m/s | WDIR-deg | Barom-mb | Sum Rad W/m2 | Sum PAR uM/m2/s | Tw 0.1m | Tw 0.5m | Tw 1m | Tw 2m | TW3 m | TW4 m | TW5 m | TW6m | TW8m | TW H310-C | TW12 m | H310 depth-m (4oC) | Lakelevel-mm (4oC) | cumul. rain-mm | Batt min-V | RH% CR10 enc | RH% MUX enc | Max of RHair |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100% | 1/1/2007 | 1 | 4.8 | 6.8 | 2.0 | 99.0 | 10.8 | 0.9 | 5.9 | 154 | 959.3 | 1903 | 4116 | 3.0 | 3.2 | 3.2 | 3.6 | 4.0 | 3.9 | 4.0 | 3.9 | 4.0 | 3.7 | 4.0 | 2.0 | -8.3 | 10.8 | 12.5 | 24 | 13 | 102 |
| 100% | 1/2/2007 | 2 | 2.3 | 5.3 | -0.4 | 72.1 | 0.5 | 3.4 | 11.8 | 299 | 966.3 | 6892 | 13540 | 3.0 | 3.1 | 3.1 | 3.2 | 3.5 | 3.4 | 3.5 | 3.4 | 3.5 | 3.4 | 3.6 | 2.0 | -6.7 | 11.3 | 12.5 | 23 | 14 | 97 |
| 100% | 1/3/2007 | 3 | 3.5 | 10.4 | -2.4 | 65.2 | 0.0 | 1.0 | 6.5 | 247 | 971.2 | 7815 | 15010 | 2.4 | 3.1 | 3.2 | 3.5 | 3.8 | 3.7 | 3.8 | 3.8 | 3.8 | 3.6 | 3.9 | 2.0 | -8.7 | 11.3 | 12.7 | 23 | 14 | 96 |
| 100% | 1/4/2007 | 4 | 6.7 | 12.6 | 0.3 | 61.6 | 0.0 | 1.0 | 7.2 | 259 | 966.5 | 7468 | 14633 | 2.6 | 3.1 | 3.1 | 3.5 | 3.8 | 3.7 | 3.8 | 3.8 | 3.8 | 3.6 | 3.9 | 2.0 | -10.4 | 11.3 | 12.7 | 26 | 13 | 83 |
| 100% | 1/5/2007 | 5 | 12.4 | 13.9 | 10.5 | 93.7 | 6.1 | 1.0 | 5.0 | 254 | 960.0 | 1478 | 3464 | 3.5 | 3.5 | 3.6 | 3.7 | 4.0 | 3.9 | 4.0 | 4.0 | 4.0 | 3.9 | 4.0 | 2.0 | -7.1 | 17.4 | 12.6 | 32 | 15 | 101 |
| 100% | 1/6/2007 | 6 | 13.7 | 16.4 | 7.0 | 84.4 | 7.1 | 2.3 | 10.7 | 269 | 954.7 | 5402 | 11336 | 4.3 | 4.3 | 4.3 | 4.5 | 4.5 | 4.4 | 4.5 | 4.5 | 4.5 | 4.7 | 4.5 | 2.0 | 2.2 | 24.5 | 12.6 | 35 | 21 | 100 |
| 100% | 1/7/2007 | 7 | 4.5 | 7.7 | 1.6 | 71.3 | 5.4 | 1.6 | 6.8 | 194 | 968.1 | 6477 | 13059 | 4.4 | 4.4 | 4.4 | 4.4 | 4.6 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 2.0 | 2.0 | 29.9 | 12.6 | 27 | 14 | 98 |
| 100% | 1/8/2007 | 8 | 3.8 | 7.6 | -1.2 | 84.4 | 15.9 | 2.0 | 10.7 | 215 | 951.5 | 3834 | 7797 | 4.4 | 4.4 | 4.4 | 4.4 | 4.6 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 2.0 | 18.6 | 45.8 | 12.6 | 26 | 23 | 102 |
| 100% | 1/9/2007 | 9 | -1.0 | 0.7 | -2.6 | 73.1 | 0.0 | 1.9 | 7.2 | 272 | 954.6 | 4006 | 8112 | 3.8 | 3.9 | 3.8 | 3.9 | 4.2 | 4.1 | 4.2 | 4.1 | 4.2 | 4.1 | 4.2 | 2.0 | 17.8 | 45.8 | 12.5 | 20 | 26 | 85 |
| 100% | 1/10/2007 | 10 | -4.2 | -2.3 | -6.1 | 72.5 | 0.0 | 3.4 | 11.1 | 306 | 964.9 | 6092 | 11589 | 3.2 | 3.2 | 3.2 | 3.2 | 3.5 | 3.4 | 3.5 | 3.5 | 3.6 | 3.3 | 3.7 | 2.0 | 12.3 | 45.8 | 12.5 | 19 | 15 | 99 |
| 100% | 1/11/2007 | 11 | -3.8 | 1.5 | -8.4 | 70.5 | 0.0 | 1.0 | 4.3 | 243 | 976.7 | 7750 | 15057 | 2.1 | 3.0 | 3.1 | 3.3 | 3.7 | 3.7 | 3.8 | 3.8 | 3.8 | 3.6 | 3.8 | 2.0 | 7.4 | 45.8 | 12.5 | 20 | 15 | 87 |
| 100% | 1/12/2007 | 12 | 4.0 | 8.2 | -0.9 | 74.0 | 0.0 | 1.2 | 6.8 | 249 | 971.6 | 4624 | 9667 | 2.4 | 2.9 | 3.0 | 3.2 | 3.7 | 3.6 | 3.7 | 3.6 | 3.6 | 3.4 | 3.7 | 2.0 | 3.4 | 45.8 | 12.6 | 25 | 14 | 96 |
| 100% | 1/13/2007 | 13 | 7.6 | 11.0 | 3.6 | 96.4 | 3.3 | 1.2 | 5.9 | 228 | 968.3 | 1871 | 4222 | 3.0 | 3.1 | 3.1 | 3.4 | 3.7 | 3.6 | 3.7 | 3.7 | 3.7 | 3.6 | 3.7 | 2.0 | 4.0 | 49.1 | 12.5 | 30 | 14 | 101 |
| 100% | 1/14/2007 | 14 | 2.8 | 3.9 | 1.2 | 102.4 | 4.7 | 0.9 | 3.5 | 80 | 968.5 | 1676 | 3827 | 3.2 | 3.2 | 3.2 | 3.5 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 | 3.8 | 2.0 | 6.5 | 53.8 | 12.5 | 26 | 14 | 103 |
| 100% | 1/15/2007 | 15 | 5.1 | 11.7 | 0.8 | 100.7 | 11.1 | 1.3 | 6.0 | 158 | 960.0 | 1166 | 2731 | 3.3 | 3.3 | 3.3 | 3.4 | 3.8 | 3.8 | 3.9 | 3.9 | 3.9 | 3.7 | 3.9 | 2.0 | 14.7 | 64.9 | 12.5 | 28 | 14 | 102 |
| 100% | 1/16/2007 | 16 | -1.9 | 9.4 | -10.2 | 83.4 | 0.6 | 4.0 | 11.2 | 317 | 962.0 | 3578 | 7370 | 3.1 | 3.1 | 3.1 | 3.2 | 3.5 | 3.4 | 3.5 | 3.4 | 3.5 | 3.4 | 3.6 | 2.0 | 15.9 | 65.5 | 12.4 | 25 | 19 | 100 |
| 100% | 1/17/2007 | 17 | -9.2 | -5.6 | -11.9 | 79.1 | 0.0 | 3.0 | 11.5 | 283 | 978.8 | 8904 | 16758 | 1.9 | 2.1 | 2.1 | 2.2 | 2.6 | 2.5 | 2.6 | 2.6 | 2.7 | 2.4 | 2.7 | 2.0 | 8.6 | 65.5 | 12.4 | 18 | 16 | 94 |
| 100% | 1/18/2007 | 18 | -4.9 | -1.1 | -9.5 | 79.1 | 0.0 | 0.7 | 6.4 | 233 | 974.8 | 5458 | 10732 | 1.3 | 2.1 | 2.2 | 2.6 | 3.2 | 3.1 | 3.1 | 3.1 | 3.1 | 2.8 | 3.2 | 2.0 | 5.3 | 65.5 | 12.7 | 19 | 16 | 90 |
| 100% | 1/19/2007 | 19 | -2.1 | -0.1 | -4.0 | 81.0 | 0.1 | 2.8 | 11.6 | 292 | 956.4 | 5261 | 10259 | 1.3 | 2.3 | 2.4 | 2.7 | 3.2 | 3.1 | 3.1 | 3.1 | 3.1 | 2.9 | 3.2 | 2.0 | 3.2 | 65.6 | 12.6 | 22 | 15 | 96 |
| 100% | 1/20/2007 | 20 | -7.1 | -4.0 | -10.2 | 70.8 | 0.0 | 4.9 | 13.6 | 315 | 961.0 | 7065 | 13465 | 1.3 | 2.5 | 2.5 | 2.8 | 3.0 | 2.9 | 3.0 | 3.0 | 3.0 | 2.9 | 3.1 | 2.0 | 0.9 | 65.6 | 12.6 | 19 | 16 | 97 |
| 100% | 1/21/2007 | 21 | -8.8 | -6.1 | -11.7 | 71.5 | 0.0 | 1.6 | 7.2 | 265 | 970.0 | 6074 | 11948 | 0.8 | 2.6 | 2.6 | 3.2 | 3.4 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.4 | 2.0 | -2.2 | 65.6 | 12.6 | 17 | 16 | 89 |
| 100% | 1/22/2007 | 22 | -5.0 | -2.4 | -7.0 | 87.4 | 0.0 | 0.7 | 3.0 | 245 | 957.8 | 2534 | 5368 | 0.6 | 2.7 | 2.7 | 3.3 | 3.6 | 3.4 | 3.4 | 3.5 | 3.5 | 3.3 | 3.5 | 2.0 | -4.5 | 65.6 | 12.6 | 19 | 15 | 98 |
| 100% | 1/23/2007 | 23 | -4.1 | -0.8 | -6.4 | 82.9 | 0.0 | 1.7 | 5.5 | 287 | 956.5 | 6493 | 12560 | 0.5 | 2.7 | 2.7 | 3.3 | 3.6 | 3.4 | 3.4 | 3.5 | 3.5 | 3.3 | 3.6 | 2.0 | -6.6 | 65.6 | 12.5 | 20 | 15 | 94 |
| 100% | 1/24/2007 | 24 | -2.7 | -1.2 | -4.2 | 79.3 | 0.0 | 1.4 | 5.8 | 275 | 959.2 | 4569 | 8934 | 0.3 | 2.7 | 2.7 | 3.4 | 3.6 | 3.5 | 3.5 | 3.5 | 3.5 | 3.3 | 3.6 | 2.0 | -8.8 | 65.6 | 12.6 | 21 | 15 | 97 |
| 100% | 1/25/2007 | 25 | -8.0 | -3.9 | -15.1 | 79.8 | 0.0 | 2.5 | 10.1 | 271 | 956.1 | 8557 | 15930 | 0.3 | 2.7 | 2.8 | 3.3 | 3.6 | 3.5 | 3.5 | 3.5 | 3.5 | 3.3 | 3.6 | 2.0 | -9.8 | 65.6 | 12.5 | 19 | 16 | 100 |
| 100% | 1/26/2007 | 26 | -13.7 | -10.0 | -17.7 | 75.5 | 0.0 | 3.1 | 12.0 | 303 | 958.3 | 9048 | 16689 | 0.3 | 2.8 | 2.8 | 3.2 | 3.4 | 3.3 | 3.4 | 3.3 | 3.3 | 3.2 | 3.4 | 2.0 | -11.5 | 65.6 | 12.6 | 17 | 18 | 89 |
| 100% | 1/27/2007 | 27 | -4.4 | 2.0 | -10.7 | 85.3 | 0.1 | 0.9 | 5.1 | 240 | 953.2 | 2023 | 4393 | 0.1 | 2.8 | 2.8 | 3.4 | 3.6 | 3.5 | 3.5 | 3.5 | 3.5 | 3.3 | 3.6 | 2.0 | -13.0 | 65.7 | 12.5 | 19 | 15 | 98 |
| 100% | 1/28/2007 | 28 | -1.5 | 2.0 | -6.0 | 80.3 | 0.1 | 1.5 | 5.9 | 212 | 950.0 | 7524 | 14003 | 0.1 | 2.8 | 2.9 | 3.5 | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.4 | 3.6 | 2.0 | -14.6 | 65.8 | 12.5 | 24 | 15 | 99 |
| 100% | 1/29/2007 | 29 | -8.8 | -4.6 | -11.5 | 79.1 | 0.0 | 3.0 | 10.7 | 302 | 956.1 | 8868 | 16486 | 0.3 | 2.9 | 2.9 | 3.4 | 3.6 | 3.5 | 3.5 | 3.5 | 3.5 | 3.4 | 3.6 | 2.0 | -16.0 | 65.8 | 12.6 | 18 | 16 | 93 |
| 100% | 1/30/2007 | 30 | -7.7 | -3.7 | -12.3 | 89.1 | 0.0 | 0.7 | 4.8 | 238 | 957.8 | 6614 | 12134 | 0.1 | 2.9 | 3.0 | 3.6 | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | 3.7 | 2.0 | -17.7 | 65.8 | 12.6 | 18 | 16 | 101 |
| 100% | 1/31/2007 | 31 | -7.0 | -4.5 | -8.7 | 75.9 | 0.0 | 2.2 | 8.7 | 293 | 960.4 | 8298 | 15363 | 0.1 | 3.0 | 3.0 | 3.6 | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | 3.7 | 2.0 | -18.7 | 65.8 | 12.6 | 19 | 16 | 99 |