

# NELHA Water Quality Laboratory

## Well 6B Data Table

6/23/1989 - 12/31/2025

| Site | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| W6B  | -8.53             | 6/23/89         |                |                                  |                     | 3.11 96                                        | 63.0 882                                                                     | 0.44 6.2                                                        |                      | 17.3          | 7.646        | 26.619            | 14,734             | 6.20        |                    |             |
| W6B  | -8.53             | 8/9/89          | 1353           |                                  |                     | 3.66 113                                       | 75.1 1052                                                                    | 0.50 7.0                                                        |                      | 16.8          | 7.538        | 26.193            | 14,499             | 6.57        |                    |             |
| W6B  | -8.53             | 8/15/89         | 1213           |                                  |                     | 3.72 115                                       | 72.8 1019                                                                    | 0.50 7.0                                                        |                      | 16.9          | 7.547        | 26.072            | 14,432             | 5.96        |                    |             |
| W6B  | -8.53             | 8/22/89         | 1148           |                                  |                     | 3.78 117                                       | 75.8 1062                                                                    | 0.50 7.0                                                        |                      | 16.5          | 7.625        | 26.005            | 14,394             | 5.96        |                    |             |
| W6B  | -8.53             | 8/28/89         | 1433           |                                  |                     | 4.09 127                                       | 82.7 1158                                                                    | 0.50 7.0                                                        |                      | 16.6          | 7.534        | 26.971            | 14,929             | 5.34        |                    |             |
| W6B  | -8.53             | 8/28/89         | 1433           |                                  |                     | 4.09 127                                       | 82.7 1158                                                                    | 0.50 7.0                                                        |                      |               |              |                   |                    |             |                    |             |
| W6B  | -8.53             | 10/27/89        | 1141           |                                  |                     | 3.86 120                                       | 82.0 1149                                                                    | 0.03 0.4                                                        | 280 7864             | 17.3          | 7.638        | 26.852            | 14,863             | 6.80        |                    |             |
| W6B  | -8.53             | 11/15/89        | 932            |                                  |                     | 3.76 116                                       | 74.7 1046                                                                    | 0.14 1.9                                                        | 274 7695             | 17.6          | 7.671        | 27.053            | 14,975             | 7.32        |                    |             |
| W6B  | -8.53             | 12/8/89         | 1151           |                                  |                     | 3.92 121                                       | 81.6 1143                                                                    | 0.10 1.4                                                        | 268 7527             | 17.4          | 7.616        | 27.123            | 15,013             | 6.94        |                    |             |
| W6B  | -8.53             | 1/10/90         | 1058           |                                  |                     | 3.03 94                                        | 71.8 1006                                                                    | 0.00 0.0                                                        | 294 8257             | 17.7          | 7.814        | 26.551            | 14,697             | 6.63        |                    |             |
| W6B  | -8.53             | 2/13/90         | 1157           |                                  |                     | 3.61 112                                       | 76.0 1065                                                                    | 0.08 1.1                                                        | 250 7021             | 18.6          | 7.726        | 26.521            | 14,680             | 6.32        |                    |             |
| W6B  | -8.53             | 3/5/90          | 1419           |                                  |                     | 3.64 113                                       | 96.7 1354                                                                    | 0.35 4.9                                                        | 270                  | 17.8          | 7.762        | 26.251            | 14,531             | 5.80        |                    |             |
| W6B  | -8.53             | 4/4/90          | 1035           |                                  |                     | 4.55 141                                       | 98.8 1384                                                                    | 0.10 1.4                                                        | 294 8257             | 17.5          | 7.768        | 27.229            | 15,072             | 5.74        |                    |             |
| W6B  | -8.53             | 5/16/90         | 1254           |                                  |                     | 3.94 122                                       | 70.8 992                                                                     | 0.00 0.0                                                        | 252 7078             | 17.3          | 7.739        | 26.948            | 14,916             | 6.87        |                    |             |
| W6B  | -8.53             | 6/17/90         | 1420           |                                  |                     | 4.83 150                                       | 75.2 1053                                                                    | 0.00 0.0                                                        | 237 6656             | 17.3          | 7.678        | 27.894            | 15,440             | 6.14        |                    |             |
| W6B  | -8.53             | 7/12/90         | 1302           |                                  |                     | 4.10 127                                       | 63.6 891                                                                     | 0.17 2.4                                                        | 267 7499             | 17.8          | 7.764        | 26.947            | 14,916             | 6.39        |                    |             |
| W6B  | -8.53             | 8/7/90          | 1230           |                                  |                     | 3.66 113                                       | 68.2 955                                                                     | 0.00 0.0                                                        | 261 7330             | 17.6          | 7.740        | 26.815            | 14,843             | 6.19        |                    |             |
| W6B  | -8.53             | 9/5/90          | 1422           |                                  |                     | 4.70 146                                       | 78.9 1105                                                                    | 0.00 0.0                                                        |                      | 17.1          | 7.562        | 27.286            | 15,104             | 6.09        |                    |             |
| W6B  | -8.53             | 10/4/90         | 1440           |                                  |                     | 5.07 157                                       | 75.3 1055                                                                    | 0.00 0.0                                                        | 282 7920             | 16.9          | 7.454        | 26.965            | 14,926             | 5.80        |                    |             |
| W6B  | -8.53             | 10/31/90        | 1144           |                                  |                     | 3.83 119                                       | 58.9 826                                                                     | 0.07 1.0                                                        | 280 7864             | 17.2          | 7.525        | 26.683            | 14,769             | 6.13        |                    |             |
| W6B  | -8.53             | 12/7/90         | 1403           |                                  |                     | 3.46 107                                       | 52.7 738                                                                     | 0.00 0.0                                                        | 325 9128             | 18.3          | 7.674        | 25.727            | 14,240             | 6.64        |                    |             |
| W6B  | -8.53             | 1/9/91          | 905            |                                  |                     | 3.96 123                                       | 58.0 813                                                                     | 0.06 0.8                                                        | 259 7274             | 17.2          | 7.630        | 26.890            | 14,884             | 6.30        |                    |             |
| W6B  | -8.53             | 2/5/91          | 1000           |                                  |                     | 4.16 129                                       | 57.6 807                                                                     | 0.36 5.0                                                        | 228 6403             | 17.2          | 7.674        | 26.216            | 14,511             | 7.06        |                    |             |
| W6B  | -8.53             | 3/6/91          | 957            |                                  |                     | 4.80 149                                       | 83.6 1171                                                                    | 0.14 2.0                                                        | 324 9100             | 16.1          | 7.671        | 26.609            | 14,729             | 6.86        |                    |             |
| W6B  | -8.53             | 4/2/91          | 1023           |                                  |                     | 4.28 133                                       | 64.0 896                                                                     | 0.35 4.9                                                        | 247 6937             | 16.4          | 7.714        | 26.057            | 14,423             | 6.90        |                    |             |
| W6B  | -8.53             | 5/21/91         | 935            |                                  |                     | 4.26 132                                       | 36.1 506                                                                     | 0.09 1.3                                                        | 147 4129             | 16.0          | 7.669        | 27.137            | 15,021             | 7.01        |                    |             |
| W6B  | -8.53             | 6/25/91         | 923            |                                  |                     | 2.90 90                                        | 53.1 744                                                                     | 0.28 3.9                                                        | 279 7836             | 16.4          | 7.756        | 26.242            | 14,526             | 7.06        |                    |             |
| W6B  | -8.53             | 7/23/91         | 1025           |                                  |                     | 3.96 123                                       | 57.9 811                                                                     | 0.28 3.9                                                        | 268 7527             | 16.7          | 7.740        | 26.710            | 14,785             | 7.37        |                    |             |
| W6B  | -8.53             | 8/22/91         | 918            |                                  |                     | 3.80 118                                       | 63.4 888                                                                     | 0.23 3.2                                                        | 264 7415             | 17.0          | 7.748        | 26.938            | 14,911             | 7.33        |                    |             |
| W6B  | -8.53             | 9/23/91         | 956            |                                  |                     | 3.65 113                                       | 54.1 758                                                                     | 0.18 2.5                                                        | 276 7752             | 17.4          | 7.755        | 25.982            | 14,382             | 7.10        |                    |             |
| W6B  | -8.53             | 10/22/91        | 1030           |                                  |                     | 4.57 142                                       | 59.9 839                                                                     | 0.00 0.0                                                        | 362 10167            | 17.3          | 7.713        | 26.614            | 14,732             | 7.29        |                    |             |
| W6B  | -8.53             | 11/19/91        | 1055           |                                  |                     | 4.30 133                                       | 59.9 839                                                                     | 0.02 0.3                                                        | 291 8173             | 16.7          | 7.709        | 27.169            | 15,039             | 7.35        |                    |             |
| W6B  | -8.53             | 12/10/91        | 1010           |                                  |                     | 4.12 128                                       | 58.6 821                                                                     | 0.08 1.1                                                        | 266 7471             | 17.0          | 7.701        | 27.588            | 15,271             | 7.23        |                    |             |
| W6B  | -8.53             | 1/28/92         | 948            |                                  |                     | 4.15 129                                       | 60.2 843                                                                     | 0.00 0.0                                                        | 256 7190             | 16.5          | 7.692        | 27.903            | 15,445             | 7.52        |                    |             |
| W6B  | -8.53             | 2/18/92         | 919            |                                  |                     | 3.94 122                                       | 59.9 839                                                                     | 0.00 0.0                                                        | 246 6909             | 16.9          | 7.710        | 27.108            | 15,005             | 6.96        |                    |             |

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## Well 6B Data Table

6/23/1989 - 12/31/2005

| Site | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| W6B  | -8.53             | 3/16/92         | 1020           |                                  |                     | 3.88 120                                       | 57.6 807                                                                     | 0.00 0.0                                                        | 257 7218             | 16.8          | 7.739        | 27.347            | 15,137             | 6.96        |                    |             |
| W6B  | -8.53             | 4/7/92          | 948            |                                  |                     | 3.79 117                                       | 56.5 791                                                                     | 0.18 2.5                                                        | 291 8173             | 17.0          | 7.747        | 27.134            | 15,019             | 7.10        |                    |             |
| W6B  | -8.53             | 5/5/92          | 951            |                                  |                     | 4.12 128                                       | 57.1 800                                                                     | 0.21 2.9                                                        | 284 7976             | 17.4          | 7.729        | 26.927            | 14,905             | 6.60        |                    |             |
| W6B  | -8.53             | 6/22/92         | 939            |                                  |                     | 4.18 129                                       | 60.4 846                                                                     | 0.28 3.9                                                        | 289 8117             | 17.7          | 7.685        | 27.079            | 14,989             | 7.22        |                    |             |
| W6B  | -8.53             | 7/28/92         | 917            |                                  |                     | 4.27 132                                       | 64.2 899                                                                     | ND 0.0                                                          | 253 7106             | 17.4          | 7.677        | 27.239            | 15,077             | 6.74        |                    |             |
| W6B  | -8.53             | 8/25/92         | 854            |                                  |                     | 4.40 136                                       | 60.3 844                                                                     | 0.11 1.5                                                        | 297 8341             | 17.5          | 7.696        | 27.173            | 15,041             | 5.93        |                    |             |
| W6B  | -8.53             | 9/21/92         | 917            |                                  |                     | 4.19 130                                       | 62.5 876                                                                     | 0.13 1.8                                                        | 247 6937             | 18.3          | 7.727        | 27.777            | 15,375             | 6.77        |                    |             |
| W6B  | -8.53             | 10/26/92        | 932            |                                  |                     | 4.21 130                                       | 61.3 859                                                                     | 0.31 4.3                                                        | 293 8229             | 17.7          | 7.652        | 27.598            | 15,276             | 6.58        |                    |             |
| W6B  | -8.53             | 11/16/92        | 949            |                                  |                     | 4.15 129                                       | 60.6 849                                                                     | 0.30 4.2                                                        | 271 7611             | 17.1          | 7.664        | 28.201            | 15,610             | 6.85        |                    |             |
| W6B  | -8.53             | 12/7/92         | 940            |                                  |                     | 4.18 129                                       | 61.5 862                                                                     | 0.23 3.2                                                        | 283 7948             | 17.6          | 7.680        | 27.661            | 15,311             | 6.33        |                    |             |
| W6B  | -8.53             | 1/25/93         | 937            |                                  |                     | 4.25 132                                       | 60.2 843                                                                     | 0.33 4.6                                                        | 288 8089             | 17.6          | 7.705        | 26.995            | 14,942             | 5.97        |                    |             |
| W6B  | -8.53             | 2/22/93         | 907            |                                  |                     | 4.17 129                                       | 63.5 889                                                                     | 0.33 4.6                                                        | 364 10220            | 17.6          | 7.733        | 27.585            | 15,269             | 5.80        |                    |             |
| W6B  | -8.53             | 3/15/93         | 904            |                                  |                     | 4.03 125                                       | 54.0 756                                                                     | 0.22 3.1                                                        | 278 7802             | 17.7          | 7.758        | 27.585            | 15,269             | 5.87        |                    |             |
| W6B  | -8.53             | 4/26/93         | 909            |                                  |                     | 4.03 125                                       | 52.2 731                                                                     | 0.08 1.1                                                        | 277 7780             | 17.9          | 7.735        | 27.738            | 15,354             | 5.63        |                    |             |
| W6B  | -8.53             | 5/24/93         | 925            |                                  |                     | 4.06 126                                       | 51.6 723                                                                     | 0.33 4.6                                                        | 289 8117             | 18.0          | 7.741        | 27.225            | 15,070             | 5.50        |                    |             |
| W6B  | -8.53             | 6/21/93         | 926            |                                  |                     | 3.98 123                                       | 57.3 803                                                                     | 0.18 2.5                                                        | 649 18227            | 18.6          | 7.753        | 27.240            | 15,078             | 5.47        |                    |             |
| W6B  | -8.53             | 8/30/93         | 1023           |                                  |                     | 3.72 115                                       | 50.6 709                                                                     | 0.15 2.1                                                        | 292 8201             | 20.0          | 7.744        | 26.840            | 14,857             | 5.30        |                    |             |
| W6B  | -8.53             | 10/25/93        | 912            |                                  |                     | 3.86 120                                       | 53.8 753                                                                     | 0.16 2.2                                                        | 273 7667             | 20.5          | 7.754        | 26.987            | 14,938             | 5.06        |                    |             |
| W6B  | -8.53             | 2/7/94          | 1114           |                                  |                     | 4.09 127                                       | 47.8 669                                                                     | 0.14 2.0                                                        | 245 6881             | 20.2          | 7.707        | 27.384            | 15,158             | 4.85        |                    |             |
| W6B  | -8.53             | 6/20/94         | 854            |                                  |                     | 4.42 137                                       | 48.0 672                                                                     | 0.03 0.4                                                        | 247 6945             | 19.2          | 7.650        | 27.608            | 15,282             | 4.37        |                    |             |
| W6B  | -8.53             | 8/22/94         | 1006           |                                  |                     | 3.93 122                                       | 48.2 675                                                                     | 0.11 1.5                                                        | 266 7467             | 19.6          | 7.714        | 27.782            | 15,378             | 5.15        |                    |             |
| W6B  | -8.53             | 10/24/94        | 945            |                                  |                     | 3.90 121                                       | 55.7 780                                                                     | 0.07 1.0                                                        | 238 6692             | 20.5          | 7.737        | 27.483            | 15,213             | 5.16        |                    |             |
| W6B  | -8.53             | 1/23/95         | 1019           |                                  |                     | 3.92 121                                       | 49.8 697                                                                     | 0.14 2.0                                                        | 250 7030             | 19.7          | 7.713        | 26.714            | 14,787             | 5.55        |                    |             |
| W6B  | -8.53             | 2/13/95         | 1009           |                                  |                     | 3.88 120                                       | 48.1 673                                                                     | 0.35 4.9                                                        | 254 7120             | 19.3          | 7.719        | 26.689            | 14,773             | 5.47        |                    |             |
| W6B  | -8.53             | 3/13/95         | 1046           |                                  |                     | 3.80 118                                       | 53.5 750                                                                     | 0.05 0.7                                                        | 315 8850             | 19.0          | 7.723        | 26.759            | 14,812             | 5.90        |                    |             |
| W6B  | -8.53             | 4/24/95         | 940            |                                  |                     | 3.52 109                                       | 49.8 698                                                                     | 0.18 2.5                                                        | 242 6794             | 19.1          | 7.712        | 27.740            | 15,355             | 5.31        |                    |             |
| W6B  | -8.53             | 5/8/95          | 936            |                                  |                     | 3.52 109                                       | 57.6 806                                                                     | 0.33 4.6                                                        | 240 6735             | 19.6          | 7.734        | 26.814            | 14,842             | 5.55        |                    |             |
| W6B  | -8.53             | 6/19/95         | 1015           |                                  |                     | 3.49 108                                       | 51.1 716                                                                     | 0.36 5.0                                                        | 239 6707             | 20.1          | 7.700        | 27.611            | 15,283             | 5.87        |                    |             |
| W6B  | -8.53             | 7/24/95         | 944            |                                  |                     | 3.34 103                                       | 49.1 688                                                                     | 0.28 3.9                                                        | 245 6889             | 20.2          | 7.751        | 26.975            | 14,931             | 5.86        |                    |             |
| W6B  | -8.53             | 8/21/95         | 1032           |                                  |                     | 3.48 108                                       | 52.2 730                                                                     | 0.48 6.7                                                        | 234 6580             | 20.1          | 7.725        | 27.113            | 15,008             | 5.95        |                    |             |
| W6B  | -8.53             | 9/11/95         | 844            |                                  |                     | 3.53 109                                       | 50.4 706                                                                     | 0.26 3.6                                                        | 246 6898             | 20.1          | 7.782        | 27.293            | 15,107             | 6.04        |                    |             |
| W6B  | -8.53             | 10/16/95        | 912            |                                  |                     | 3.67 114                                       | 51.7 723                                                                     | 0.31 4.3                                                        | 249 6999             | 20.1          | 7.822        | 27.103            | 15,002             | 5.88        |                    |             |
| W6B  | -8.53             | 11/6/95         | 858            |                                  |                     | 4.23 131                                       | 60.0 840                                                                     | 0.24 3.4                                                        | 259 7260             | 20.2          | 7.809        | 26.801            | 14,835             | 6.10        |                    |             |
| W6B  | -8.53             | 12/4/95         | 918            |                                  |                     | 4.32 134                                       | 59.2 829                                                                     | 0.11 1.5                                                        | 246 6906             | 20.2          | 7.784        |                   | 0                  | 7.63        |                    |             |
| W6B  | -8.53             | 1/29/96         | 1018           |                                  |                     | 4.38 136                                       | 67.3 942                                                                     | 0.02 0.3                                                        | 241 6766             | 19.5          | 7.790        | 27.471            | 15,206             | 5.78        |                    |             |

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## Well 6B Data Table

6/23/1989 - 12/31/2005

| Site | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| W6B  | -8.53             | 2/26/96         | 1022           |                                  |                     | 5.04 156                                       | 78.2 1095                                                                    | 0.25 3.5                                                        | 249 6999             | 19.9          | 7.765        | 27.547            | 15,248             | 6.12        |                    |             |
| W6B  | -8.53             | 3/5/96          | 930            |                                  |                     | 5.15 160                                       | 75.6 1058                                                                    | 0.34 4.8                                                        | 232 6528             | 20.2          | 7.775        | 27.430            | 15,183             | 6.05        |                    |             |
| W6B  | -8.53             | 4/1/96          | 947            |                                  |                     | 5.95 184                                       | 97.6 1367                                                                    | 0.43 6.0                                                        | 239 6721             | 19.9          | 7.762        | 26.975            | 14,931             | 6.28        |                    |             |
| W6B  | -8.53             | 5/8/96          | 949            |                                  |                     | 6.65 206                                       | 125.8 1761                                                                   | 0.21 2.9                                                        | 237 6644             | 21.3          | 7.789        | 26.703            | 14,781             | 5.96        |                    |             |
| W6B  | -8.53             | 6/17/96         | 949            |                                  |                     | 6.92 214                                       | 110.2 1544                                                                   | 0.26 3.6                                                        | 246 6913             | 19.6          | 7.795        | 27.220            | 15,067             | 5.78        |                    |             |
| W6B  | -8.53             | 7/16/96         | 937            |                                  |                     | 5.40 167                                       | 89.1 1248                                                                    | 0.25 3.5                                                        | 237 6651             | 19.8          | 7.816        | 27.528            | 15,237             | 5.98        |                    |             |
| W6B  | -8.53             | 8/5/96          | 1048           |                                  |                     | 5.49 170                                       | 71.1 995                                                                     | 0.38 5.3                                                        | 217 6093             | 20.9          | 7.821        | 28.445            | 15,745             | 5.84        |                    |             |
| W6B  | -8.53             | 9/3/96          | 949            |                                  |                     | 5.61 174                                       | 96.7 1355                                                                    | 0.43 6.0                                                        | 249 7001             | 21.5          | 7.816        | 27.951            | 15,472             | 6.06        |                    |             |
| W6B  | -8.53             | 10/8/96         | 1006           |                                  |                     | 5.80 180                                       | 98.7 1382                                                                    | 0.22 3.1                                                        | 251 7035             | 20.5          | 7.814        | 27.442            | 15,190             | 5.66        |                    |             |
| W6B  | -8.53             | 11/4/96         | 1029           |                                  |                     | 5.36 166                                       | 110.2 1544                                                                   | 0.28 3.9                                                        | 209 5857             | 21.0          | 7.808        | 27.792            | 15,384             | 6.17        |                    |             |
| W6B  | -8.53             | 12/16/96        | 947            |                                  |                     | 5.21 161                                       | 78.9 1105                                                                    | 0.30 4.2                                                        | 242 6796             | 20.2          | 7.912        | 28.038            | 15,520             | 6.00        |                    |             |
| W6B  | -8.53             | 1/13/97         | 1021           |                                  |                     | 5.50 170                                       | 92 1287                                                                      | 0.12 1.7                                                        | 216 6058             | 19.8          | 7.833        | 27.101            | 15,001             | 6.44        |                    |             |
| W6B  | -8.53             | 2/10/97         | 927            |                                  |                     | 5.20 161                                       | 99 1389                                                                      | 0.23 3.2                                                        | 218 6111             | 19.9          | 7.847        | 27.222            | 15,068             | 6.53        |                    |             |
| W6B  | -8.53             | 3/10/97         | 938            |                                  |                     | 5.33 165                                       | 126 1759                                                                     | 0.02 0.3                                                        | 237 6656             | 20.1          | 7.876        | 26.709            | 14,784             | 5.92        |                    |             |
| W6B  | -8.53             | 4/22/97         | 1017           |                                  |                     | 5.09 158                                       | 94 1311                                                                      | 0.31 4.3                                                        | 240 6735             | 19.8          | 7.870        | 26.359            | 14,590             | 6.13        |                    |             |
| W6B  | -8.53             | 5/27/97         | 930            |                                  |                     | 5.28 164                                       | 90 1258                                                                      | 0.05 0.7                                                        | 209 5878             | 18.4          | 7.867        | 27.653            | 15,307             | 6.08        |                    |             |
| W6B  | -8.53             | 6/16/97         | 945            |                                  |                     | 4.56 141                                       | 76 1058                                                                      | 0.34 4.8                                                        | 229 6426             | 18.9          | 7.899        | 28.055            | 15,529             | 5.87        |                    |             |
| W6B  | -8.53             | 7/16/97         | 852            |                                  |                     | 4.22 131                                       | 64 901                                                                       | 0.12 1.7                                                        | 207 5802             | 19.7          | 7.909        | 28.328            | 15,680             | 5.72        |                    |             |
| W6B  | -8.53             | 8/25/97         | 937            |                                  |                     | 3.88 120                                       | 60 846                                                                       | 0.27 3.8                                                        | 205 5746             | 21.6          | 8.018        | 29.073            | 16,093             | 5.78        |                    |             |
| W6B  | -8.53             | 9/22/97         | 927            |                                  |                     | 3.70 115                                       | 54 751                                                                       | 0.26 3.6                                                        | 189 5317             | 22.7          | 8.075        | 29.162            | 16,142             | 5.66        |                    |             |
| W6B  | -8.53             | 10/14/97        | 932            |                                  |                     | 5.37 166                                       | 81 1129                                                                      | 0.18 2.5                                                        | 200 5611             | 22.3          | 8.037        | 28.390            | 15,715             | 5.92        |                    |             |
| W6B  | -8.53             | 11/3/97         | 1050           |                                  |                     | 5.17 160                                       | 67.6 947                                                                     | 0.16 2.2                                                        | 197 5536             | 22.2          | 7.995        | 28.252            | 15,638             | 6.12        |                    |             |
| W6B  | -8.53             | 12/15/97        | 955            |                                  |                     | 4.85 150                                       | 62.6 877                                                                     | 0.13 1.8                                                        | 204 5729             | 21.3          | 8.003        | 28.491            | 15,771             | 5.66        |                    |             |
| W6B  | -8.53             | 1/5/98          | 1058           |                                  |                     | 5.27 163                                       | 63.7 892                                                                     | 0.06 0.8                                                        | 189 5305             | 19.9          | 7.968        | 28.594            | 15,828             | 5.53        |                    |             |
| W6B  | -8.53             | 2/2/98          | 1002           |                                  |                     | 5.43 168                                       | 64.8 908                                                                     | 0.10 1.4                                                        | 205 5760             | 19.2          | 7.936        | 28.350            | 15,692             | 5.63        |                    |             |
| W6B  | -8.53             | 3/9/98          | 959            |                                  |                     | 6.69 207                                       | 79.7 1116                                                                    | 0.15 2.1                                                        | 217 6089             | 19.9          | 7.761        | 27.927            | 15,458             | 5.44        |                    |             |
| W6B  | -8.53             | 4/13/98         | 909            |                                  |                     | 5.36 166                                       | 68 956                                                                       | 0.13 1.8                                                        | 211 5915             | 19.6          | 7.802        | 28.287            | 15,658             | 5.61        |                    |             |
| W6B  | -8.53             | 5/11/98         | 939            |                                  |                     | 5.50 170                                       | 74 1036                                                                      | 0.30 4.2                                                        | 220 6168             | 19.7          | 7.780        | 27.759            | 15,365             | 5.59        |                    |             |
| W6B  | -8.53             | 6/1/98          | 937            |                                  |                     | 5.58 173                                       | 66.6 933                                                                     | 0.17 2.4                                                        | 217 6086             | 19.3          | 7.739        | 27.735            | 15,352             | 5.67        |                    |             |
| W6B  | -8.53             | 7/13/98         | 945            |                                  |                     | 4.77 148                                       | 55 776                                                                       | 0.06 0.8                                                        | 211 5932             | 19.0          | 7.723        | 28.493            | 15,772             | 5.79        |                    |             |
| W6B  | -8.53             | 8/10/98         | 1002           |                                  |                     | 4.60 142                                       | 59.1 828                                                                     | 0.17 2.4                                                        | 213 5991             | 19.5          | 7.691        | 28.683            | 15,877             | 5.65        |                    |             |
| W6B  | -8.53             | 9/14/98         | 953            |                                  |                     | 4.05 125                                       | 53.5 749                                                                     | 0.17 2.4                                                        | 198 5547             | 20.3          | 7.792        | 29.647            | 16,410             | 5.96        |                    |             |
| W6B  | -8.53             | 10/12/98        | 900            |                                  |                     | 3.96 123                                       | 55.5 777                                                                     | 0.03 0.4                                                        | 188 5274             | 20.6          | 7.785        | 29.740            | 16,462             | 6.26        |                    |             |
| W6B  | -8.53             | 11/2/98         | 922            |                                  |                     | 4.09 127                                       | 57.4 804                                                                     | 0.05 0.7                                                        | 193 5415             | 21.0          | 7.812        | 29.465            | 16,310             | 5.72        |                    |             |
| W6B  | -8.53             | 12/15/98        | 923            |                                  |                     | 4.29 133                                       | 77.1 1080                                                                    | 0.08 1.1                                                        | 192 5390             | 20.8          | 7.828        | 28.693            | 15,882             | 5.72        |                    |             |

# NELHA Water Quality Laboratory

## Well 6B Data Table

6/23/1989 - 12/31/2025

| Site | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| W6B  | -8.53             | 1/11/99         | 940            |                                  |                     | 4.68 145                                       | 88 1231                                                                      | 0.22 3.1                                                        | 185 5193             | 19.4          | 7.825        | 28.973            | 16,037             | 5.43        |                    |             |
| W6B  | -8.53             | 2/2/99          | 935            |                                  |                     | 4.35 135                                       | 82 1151                                                                      | 0.25 3.5                                                        | 187 5258             | 19.5          | 7.843        | 28.801            | 15,942             | 5.61        |                    |             |
| W6B  | -8.53             | 3/1/99          | 940            |                                  |                     | 4.90 152                                       | 72.5 1015                                                                    | 0.02 0.3                                                        | 195 5479             | 19.2          | 7.825        | 28.531            | 15,793             | 5.90        |                    |             |
| W6B  | -8.53             | 4/5/99          | 938            |                                  |                     | 5.33 165                                       | 72.7 1018                                                                    | 0.09 1.3                                                        | 182 5123             | 17.7          | 7.797        | 29.404            | 16,276             | 5.65        |                    |             |
| W6B  | -8.53             | 5/3/99          | 938            |                                  |                     | 4.56 141                                       | 62.3 873                                                                     | 0.18 2.5                                                        | 194 5446             | 18.7          | 7.772        | 29.050            | 16,080             | 4.85        |                    |             |
| W6B  | -8.53             | 6/1/99          | 930            |                                  |                     | 4.31 133                                       | 58.7 822                                                                     | 0.38 5.3                                                        | 182 5123             | 19.0          | 7.787        | 29.449            | 16,301             | 5.75        |                    |             |
| W6B  | -8.53             | 7/14/99         | 933            |                                  |                     | 3.79 117                                       | 64.1 898                                                                     | 0.01 0.1                                                        | 194 5435             | 20.5          | 7.770        | 29.353            | 16,248             | 5.64        |                    |             |
| W6B  | -8.53             | 8/23/99         | 959            |                                  |                     | 4.14 128                                       | 62.3 873                                                                     | 0.15 2.1                                                        | 183 5137             | 20.2          | 7.816        | 29.650            | 16,412             | 5.73        |                    |             |
| W6B  | -8.53             | 9/7/99          | 949            |                                  |                     | 4.36 135                                       | 63.3 887                                                                     | 0.05 0.7                                                        | 181 5078             | 19.6          | 7.816        | 29.926            | 16,565             | 5.73        |                    |             |
| W6B  | -8.53             | 10/5/99         | 938            |                                  |                     | 4.25 132                                       | 65.6 919                                                                     | 0.01 0.1                                                        | 185 5204             | 20.0          | 7.787        | 30.007            | 16,610             | 5.09        |                    |             |
| W6B  | -8.53             | 11/1/99         | 1005           |                                  |                     | 4.21 130                                       | 64.7 906                                                                     | 0.08 1.1                                                        | 179 5019             | 20.3          | 7.799        | 29.712            | 16,446             | 5.26        |                    |             |
| W6B  | -8.53             | 12/14/99        | 956            |                                  |                     | 5.61 174                                       | 78.0 1093                                                                    | 0.06 0.8                                                        | 178 5010             | 19.8          | 7.710        | 29.858            | 16,527             | 4.66        |                    |             |
| W6B  | -8.53             | 1/10/00         | 1022           |                                  |                     | 6.08 188                                       | 78.5 1100                                                                    | 0.10 1.4                                                        | 185 5204             | 19.9          | 7.703        | 29.289            | 16,212             | 4.66        |                    |             |
| W6B  | -8.53             | 2/7/00          | 1017           |                                  |                     | 6.26 194                                       | 77.8 1090                                                                    | 0.20 2.8                                                        | 194 5460             | 19.5          | 7.744        | 28.599            | 15,830             | 5.07        |                    |             |
| W6B  | -8.53             | 3/21/00         | 1020           |                                  |                     | 5.80 180                                       | 69.9 979                                                                     | 0.07 1.0                                                        | 189 5311             | 18.9          | 7.738        | 29.090            | 16,102             | 5.11        |                    |             |
| W6B  | -8.53             | 4/10/00         | 1049           |                                  |                     | 6.14 190                                       | 77.2 1081                                                                    | 0.02 0.3                                                        | 188 5269             | 18.8          | 7.752        | 28.211            | 15,616             | 5.03        |                    |             |
| W6B  | -8.53             | 5/15/00         | 1008           |                                  |                     | 6.12 190                                       | 74.9 1049                                                                    | 0.18 2.5                                                        | 177 4974             | 18.9          | 7.746        | 29.714            | 16,447             | 5.03        |                    |             |
| W6B  | -8.53             | 6/5/00          | 1001           |                                  |                     | 6.01 186                                       | 73.7 1032                                                                    | 0.03 0.4                                                        | 192 5378             | 19.0          | 7.731        | 29.925            | 16,564             | 4.97        |                    |             |
| W6B  | -8.53             | 7/26/00         | 1027           |                                  |                     | 6.05 187                                       | 74.0 1036                                                                    | 0.03 0.4                                                        | 172 4825             | 20.3          | 7.783        | 30.088            | 16,654             | 4.95        |                    |             |
| W6B  | -8.53             | 8/29/00         | 930            |                                  |                     | 6.79 210                                       | 83.9 1175                                                                    | 0.07 1.0                                                        | 175 4907             | 20.2          | 7.664        | 29.911            | 16,557             | 4.72        |                    |             |
| W6B  | -8.53             | 9/5/00          | 956            |                                  |                     | 6.25 194                                       | 78.5 1100                                                                    | 0.04 0.6                                                        | 170 4775             | 20.0          | 7.709        | 30.433            | 16,845             | 4.76        |                    |             |
| W6B  | -8.53             | 10/24/00        | 1001           |                                  |                     | 6.58 204                                       | 71.2 997                                                                     | 0.16 2.2                                                        | 179 5027             | 21.2          | 7.745        | 30.809            | 17,054             | 4.78        |                    |             |
| W6B  | -8.53             | 11/13/00        | 942            |                                  |                     | 6.33 196                                       | 90.2 1263                                                                    | 0.29 4.1                                                        | 189 5294             | 21.4          | 7.685        | 29.752            | 16,469             | 4.65        |                    |             |
| W6B  | -8.53             | 12/18/00        | 944            |                                  |                     | 6.31 195                                       | 109 1525                                                                     | 0.21 2.9                                                        | 177 4974             | 20.1          | 7.695        | 29.722            | 16,452             | 4.70        |                    |             |
| W6B  | -8.53             | 1/22/01         | 948            |                                  |                     | 6.50 201                                       | 88.8 1244                                                                    | 0.05 0.7                                                        | 186 5215             | 19.6          | 7.642        | 29.824            | 16,508             | 4.59        |                    |             |
| W6B  | -8.53             | 2/5/01          | 1007           |                                  |                     | 6.48 201                                       | 100 1401                                                                     | 0.12 1.7                                                        | 185 5204             | 19.7          | 7.651        | 29.823            | 16,508             | 4.75        |                    |             |
| W6B  | -8.53             | 3/5/01          | 958            |                                  |                     | 5.75 178                                       | 81.5 1142                                                                    | 0.03 0.4                                                        | 176 4951             | 19.8          | 7.660        | 29.425            | 16,288             | 4.56        |                    |             |
| W6B  | -8.53             | 4/17/01         | 942            |                                  |                     | 5.73 177                                       | 73.4 1028                                                                    | 0.02 0.3                                                        | 179 5024             | 19.6          | 7.671        | 29.623            | 16,397             | 4.93        |                    |             |
| W6B  | -8.53             | 5/15/01         | 926            |                                  |                     | 5.53 171                                       | 71.2 997                                                                     | 0.13 1.8                                                        | 181 5081             | 19.8          | 7.691        | 29.500            | 16,329             | 5.41        |                    |             |
| W6B  | -8.53             | 6/12/01         | 939            |                                  |                     | 5.56 172                                       | 70.0 981                                                                     | 0.05 0.7                                                        | 177 4966             | 19.5          | 7.693        | 29.663            | 16,419             | 5.37        |                    |             |
| W6B  | -8.53             | 7/23/01         | 1000           |                                  |                     | 5.37 166                                       | 70.8 991                                                                     | 0.06 0.8                                                        | 181 5075             | 19.9          | 7.685        | 29.969            | 16,589             | 5.35        |                    |             |
| W6B  | -8.53             | 8/8/01          | 952            |                                  |                     | 5.26 163                                       | 70.1 981                                                                     | 0.07 1.0                                                        | 180 5044             | 20.2          | 7.718        | 30.007            | 16,610             | 5.18        |                    |             |
| W6B  | -8.53             | 9/19/01         | 949            |                                  |                     | 5.14 159                                       | 66.9 937                                                                     | 0.03 0.4                                                        | 180 5043             | 20.8          | 7.685        | 30.112            | 16,668             | 4.92        |                    |             |
| W6B  | -8.53             | 10/24/01        | 922            |                                  |                     | 4.84 150                                       | 57.0 799                                                                     | 0.02 0.3                                                        | 176 4954             | 21.2          | 7.735        | 30.221            | 16,728             | 5.12        |                    |             |
| W6B  | -8.53             | 11/7/01         | 940            |                                  |                     | 5.62 174                                       | 58.7 822                                                                     | 0.06 0.8                                                        | 178 5010             | 21.1          | 7.728        | 30.159            | 16,694             | 5.53        |                    |             |

# NELHA Water Quality Laboratory

## Well 6B Data Table

6/23/1980 - 12/31/2005

| Site | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| W6B  | -8.53             | 12/19/01        | 959            |                                  |                     | 4.54 141                                       | 77.1 1080                                                                    | 0.13 1.8                                                        | 182 5112             | 21.2          | 7.753        | 29.617            | 16,394             | 5.31        |                    |             |
| W6B  | -8.53             | 1/9/02          | 949            |                                  |                     | 4.85 150                                       | 75.3 1055                                                                    | 0.18 2.5                                                        | 188 5280             | 20.7          | 7.731        | 29.803            | 16,497             | 5.22        |                    |             |
| W6B  | -8.53             | 2/19/02         | 1006           |                                  |                     | 4.44 138                                       | 62.4 874                                                                     | 0.03 0.4                                                        | 183 5151             | 20.5          | 7.792        | 29.944            | 16,575             | 5.21        |                    |             |
| W6B  | -8.53             | 3/20/02         | 1008           |                                  |                     | 4.46 138                                       | 64.5 903                                                                     | 0.14 2.0                                                        | 179 5019             | 20.5          | 7.777        | 29.716            | 16,449             | 5.39        |                    |             |
| W6B  | -8.53             | 4/8/02          | 1057           |                                  |                     | 4.60 142                                       | 65.8 921                                                                     | 0.13 1.8                                                        | 174 4881             | 20.0          | 7.777        | 29.852            | 16,524             | 5.32        |                    |             |
| W6B  | -8.53             | 5/29/02         | 1042           |                                  |                     | 4.68 145                                       | 68.7 963                                                                     | 0.15 2.1                                                        | 185 5196             | 20.3          | 7.722        | 29.542            | 16,352             | 5.41        |                    |             |
| W6B  | -8.53             | 6/17/02         | 1015           |                                  |                     | 4.67 145                                       | 65.6 919                                                                     | 0.09 1.3                                                        | 173 4864             | 20.5          | 7.768        | 30.083            | 16,652             | 5.40        |                    |             |
| W6B  | -8.53             | 7/15/02         | 1019           |                                  |                     | 4.56 141                                       | 63.3 887                                                                     | 0.10 1.4                                                        | 181 5095             | 21.7          | 7.772        | 30.112            | 16,668             | 5.08        |                    |             |
| W6B  | -8.53             | 8/20/02         | 1012           |                                  |                     | 4.72 146                                       | 67.1 940                                                                     | 0.21 2.9                                                        | 178 5010             | 20.9          | 7.740        | 30.035            | 16,625             | 5.24        |                    |             |
| W6B  | -8.53             | 9/23/02         | 1055           |                                  |                     | 4.38 136                                       | 58.9 824                                                                     | 0.27 3.8                                                        | 181 5092             | 21.7          | 7.771        | 30.484            | 16,874             | 4.98        |                    |             |
| W6B  | -8.53             | 10/14/02        | 948            |                                  |                     | 4.29 133                                       | 58.1 814                                                                     | 0.05 0.7                                                        | 172 4819             | 22.3          | 7.832        | 30.217            | 16,726             | 6.72        |                    |             |
| W6B  | -8.53             | 11/4/02         | 958            |                                  |                     | 4.40 136                                       | 63.9 895                                                                     | 0.02 0.3                                                        | 182 5100             | 22.3          | 7.800        | 29.668            | 16,422             | 5.02        |                    |             |
| W6B  | -8.53             | 12/17/02        | 1026           |                                  |                     | 5.17 160                                       | 62.9 881                                                                     | 0.06 0.8                                                        | 175 4918             | 21.7          | 7.786        | 30.035            | 16,625             | 4.94        |                    |             |
| W6B  | -8.53             | 1/21/03         | 1110           |                                  |                     | 5.00 155                                       | 75.0 1050                                                                    | 0.05 0.7                                                        | 172 4817             | 20.6          | 7.759        | 30.266            | 16,753             | 4.70        |                    |             |
| W6B  | -8.53             | 2/12/03         | 1045           |                                  |                     | 4.36 135                                       | 61.5 861                                                                     | 0.03 0.4                                                        | 193 5412             | 20.5          | 7.824        | 30.002            | 16,607             | 5.23        |                    |             |
| W6B  | -8.53             | 3/19/03         | 1021           |                                  |                     | 4.37 135                                       | 58.7 822                                                                     | 0.02 0.3                                                        | 188 5272             | 21.1          | 7.823        | 29.655            | 16,415             | 5.27        |                    |             |
| W6B  | -8.53             | 4/28/03         | 1008           |                                  |                     | 4.43 137                                       | 60.5 847                                                                     | 0.14 2.0                                                        | 182 5100             | 21.0          | 7.863        | 29.759            | 16,472             | 5.67        |                    |             |
| W6B  | -8.53             | 5/12/03         | 940            |                                  |                     | 4.36 135                                       | 61.1 856                                                                     | 0.03 0.4                                                        | 178 5002             | 20.6          | 7.877        | 29.982            | 16,596             | 5.88        |                    |             |
| W6B  | -8.53             | 6/3/03          | 955            |                                  |                     | 4.53 140                                       | 65.7 921                                                                     | 0.29 4.1                                                        | 180 5050             | 22.4          | 7.683        | 29.716            | 16,449             | 5.56        |                    |             |
| W6B  | -8.53             | 7/29/03         | 1018           |                                  |                     | 4.81 149                                       | 62.7 878                                                                     | 0.03 0.4                                                        | 180 5047             | 21.4          | 7.842        | 27.947            | 15,469             | 5.34        |                    |             |
| W6B  | -8.53             | 8/26/03         | 1020           |                                  |                     | 4.00 124                                       | 59.2 829                                                                     | 0.02 0.3                                                        | 176 4937             | 22.2          | 7.848        | 30.142            | 16,684             | 5.24        |                    |             |
| W6B  | -8.53             | 9/15/03         | 1009           |                                  |                     | 4.08 126                                       | 62.8 880                                                                     | 0.33 4.6                                                        | 178 4988             | 22.7          | 7.815        | 30.119            | 16,672             | 5.51        |                    |             |
| W6B  | -8.53             | 10/6/03         | 1003           |                                  |                     | 4.18 129                                       | 67.8 949                                                                     | 0.46 6.4                                                        | 176 4937             | 22.1          | 7.816        | 30.211            | 16,723             |             |                    |             |
| W6B  | -8.53             | 10/28/03        | 1035           |                                  |                     | 4.76 147                                       | 66.6 932                                                                     | 0.10 1.4                                                        | 181 5069             | 22.6          | 7.806        | 30.063            | 16,641             |             |                    |             |
| W6B  | -8.53             | 11/14/03        | 1340           |                                  |                     |                                                |                                                                              |                                                                 |                      | 22.6          |              |                   |                    | 4.79        |                    |             |
| W6B  | -8.53             | 12/15/03        | 947            |                                  |                     |                                                |                                                                              |                                                                 |                      | 22.3          | 7.813        |                   |                    |             |                    |             |
| W6B  | -8.53             | 12/17/03        | 852            |                                  |                     | 3.92 121                                       | 55.6 779                                                                     | 0.36 5.0                                                        | 167 4676             | 22.3          | 7.834        | 30.482            | 16,873             | 4.68        |                    |             |
| W6B  | -8.53             | 1/26/04         | 956            |                                  |                     | 4.24 131                                       | 88.7 1242                                                                    | 0.20 2.8                                                        | 178 4994             | 21.8          | 7.743        | 29.211            | 16,169             | 5.11        |                    |             |
| W6B  | -8.53             | 2/5/04          | 957            |                                  |                     | 4.06 126                                       | 97.1 1361                                                                    | 0.17 2.4                                                        | 183 5145             | 21.5          | 7.731        | 29.152            | 16,136             | 4.77        |                    |             |
| W6B  | -8.53             | 3/2/04          | 1046           |                                  |                     | 3.86 120                                       | 87.6 1227                                                                    | 0.40 5.6                                                        | 171 4791             | 21.2          | 7.772        | 29.740            | 16,462             | 3.98        |                    |             |
| W6B  | -8.53             | 4/20/04         | 1002           |                                  |                     | 3.96 123                                       | 127 1776                                                                     | 0.02 0.3                                                        | 176 4935             | 20.8          | 7.726        | 29.347            | 16,244             | 4.39        |                    |             |
| W6B  | -8.53             | 5/11/04         | 917            |                                  |                     | 3.77 117                                       | 112 1565                                                                     | 0.24 3.4                                                        | 171 4805             | 20.8          | 7.765        | 28.85             | 15,969             | 5.70        |                    |             |
| W6B  | -8.53             | 6/2/04          | 1004           |                                  |                     | 4.62 143                                       | 108 1509                                                                     | 0.17 2.4                                                        | 173 4859             | 17.6          | 7.681        | 28.90             | 15,997             | 5.50        |                    |             |
| W6B  | -8.53             | 7/14/04         | 1003           |                                  |                     | 3.32 103                                       | 100 1402                                                                     | 0.22 3.1                                                        | 173 4870             | 21.8          | 7.747        | 29.20             | 16,163             | 4.02        |                    |             |
| W6B  | -8.53             | 8/23/04         | 1003           |                                  |                     | 3.46 107                                       | 91.8 1286                                                                    | 0.33 4.6                                                        | 175 4923             | 22.3          | 7.712        | 29.22             | 16,174             | 4.17        |                    |             |

# NELHA Water Quality Laboratory

## Well 6B Data Table

6/23/1980 - 12/31/2005

| Site | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| W6B  | -8.53             | 9/2/04          | 1022           |                                  |                     | 3.86 120                                       | 92.5 1296                                                                    | 0.11 1.5                                                        | 183 5126             | 22.4          | 7.697        | 29.15             | 16,135             | 4.05        |                    |             |
| W6B  | -8.53             | 10/4/04         | 936            |                                  |                     | 3.88 120                                       | 86.9 1216                                                                    | 0.36 5.0                                                        | 169 4741             | 22.7          | 7.745        | 29.72             | 16,451             | 4.20        |                    |             |
| W6B  | -8.53             | 11/9/04         | 900            |                                  |                     | 5.02 155                                       | 102 1422                                                                     | 0.38 5.3                                                        | 181 5069             | 22.5          | 7.683        | 29.90             | 16,550             | 4.04        |                    |             |
| W6B  | -8.53             | 12/6/04         | 940            |                                  |                     | 4.46 138                                       | 93.3 1307                                                                    | 0.18 2.5                                                        | 167 4693             | 22.4          | 7.797        | 29.47             | 16,312             | 4.38        |                    |             |
| W6B  | -8.53             | 1/10/05         | 906            |                                  |                     | 5.08 157                                       | 109 1527                                                                     | 0.06 0.8                                                        | 185 5207             | 22.1          | 7.699        | 29.133            | 16,126             | 3.86        |                    |             |
| W6B  | -8.53             | 2/9/05          | 908            |                                  |                     | 5.17 160                                       | 125 1744                                                                     | 0.05 0.7                                                        | 185 5201             | 18.9          | 7.690        | 28.950            | 16,025             | 4.25        |                    |             |
| W6B  | -8.53             | 3/15/05         | 937            |                                  |                     | 4.68 145                                       | 149 2083                                                                     | 0.26 3.6                                                        | 178 4988             | 20.7          | 7.743        | 29.561            | 16,363             | 3.37        |                    |             |
| W6B  | -8.53             | 4/19/05         | 853            |                                  |                     | 4.74 147                                       | 137 1922                                                                     | 0.13 1.8                                                        | 179 5013             | 20.5          | 7.735        | 29.531            | 16,346             | 4.07        |                    |             |
| W6B  | -8.53             | 5/23/05         | 926            |                                  |                     | 4.50 139                                       | 125 1747                                                                     | 0.29 4.1                                                        | 188 5291             | 20.8          | 7.669        | 28.954            | 16,027             | 4.26        |                    |             |
| W6B  | -8.53             | 6/15/05         | 957            |                                  |                     | 4.15 129                                       | 103 1437                                                                     | 0.14 2.0                                                        | 172 4834             | 20.8          | 7.713        | 29.631            | 16,402             | 4.55        |                    |             |
| W6B  | -8.53             | 7/18/05         | 854            |                                  |                     | 4.16 129                                       | 96.4 1350                                                                    | 0.09 1.3                                                        | 179 5030             | 19.7          | 7.715        | 29.866            | 16,532             | 4.54        |                    |             |
| W6B  | -8.53             | 8/9/05          | 915            |                                  |                     | 4.10 127                                       | 92.1 1290                                                                    | 0.23 3.2                                                        | 172 4828             | 21.7          | 7.752        | 29.867            | 16,532             | 4.46        |                    |             |
| W6B  | -8.53             | 9/20/05         | 910            |                                  |                     | 4.20 130                                       | 89.7 1257                                                                    | 0.20 2.8                                                        | 178 4996             | 21.9          | 7.769        | 29.824            | 16,508             | 4.81        |                    |             |
| W6B  | -8.53             | 10/17/05        | 906            |                                  |                     | 4.00 124                                       | 125 1756                                                                     | 0.15 2.1                                                        | 186 5224             | 22.7          | 7.774        | 29.913            | 16,558             | 6.77        |                    |             |
| W6B  | -8.53             | 11/7/05         | 840            |                                  |                     | 3.68 114                                       | 137 1925                                                                     | 3.79 53.1                                                       | 170 4769             | 22.6          | 7.778        | 30.156            | 16,692             | 3.58        |                    |             |
| W6B  | -8.53             | 12/19/05        | 843            |                                  |                     | 3.62 112                                       | 109 1531                                                                     | 0.18 2.5                                                        | 173 4856             | 22.4          | 7.781        | 30.1              | 16,661             | 4.28        |                    |             |
| W6B  | -8.53             | 1/23/06         | 854            |                                  |                     | 3.68 114                                       | 99.9 1399                                                                    | 0.27 3.8                                                        | 179 5036             | 21.8          | 7.778        | 30.049            | 16,633             | 4.40        |                    |             |
| W6B  | -8.53             | 2/14/06         | 902            |                                  |                     | 3.65 113                                       | 90.7 1271                                                                    | 0.28 3.9                                                        | 177 4968             | 21.6          | 7.770        | 29.762            | 16,474             | 4.53        |                    |             |
| W6B  | -8.53             | 3/20/06         | 858            |                                  |                     | 3.67 114                                       | 80.2 1123                                                                    | 0.26 3.6                                                        | 170 4775             | 21.4          | 7.815        | 29.867            | 16,532             | 4.81        |                    |             |
| W6B  | -8.53             | 4/25/06         | 930            |                                  |                     | 3.56 110                                       | 92.9 1301                                                                    | 0.22 3.1                                                        | 166 4662             | 21.2          | 7.826        | 29.706            | 16,443             | 4.97        |                    |             |
| W6B  | -8.53             | 5/22/06         | 918            |                                  |                     | 3.44 107                                       | 86.2 1207                                                                    | 0.21 2.9                                                        | 164 4606             | 20.9          | 7.792        | 29.729            | 16,456             | 4.59        |                    |             |
| W6B  | -8.53             | 6/26/06         | 922            |                                  |                     | 3.31 103                                       | 78.4 1098                                                                    | 0.20 2.8                                                        | 168 4718             | 21.7          | 7.797        | 29.904            | 16,553             | 5.07        |                    |             |
| W6B  | -8.53             | 7/20/06         | 924            |                                  |                     | 3.26 101                                       | 73.5 1029                                                                    | 0.28 3.9                                                        | 159 4466             | 22.5          | 7.803        | 30.056            | 16,637             | 4.91        |                    |             |
| W6B  | -8.53             | 8/7/06          | 948            |                                  |                     | 3.20 99                                        | 71.5 1001                                                                    | 0.21 2.9                                                        | 163 4578             | 21.9          | 7.822        | 30.321            | 16,783             | 4.88        |                    |             |
| W6B  | -8.53             | 9/18/06         | 922            |                                  |                     | 3.40 105                                       | 70.3 985                                                                     | 0.32 4.5                                                        | 160 4494             | 21.9          | 7.817        | 30.621            | 16,950             | 4.77        |                    |             |
| W6B  | -8.53             | 10/23/06        | 925            |                                  |                     | 3.52 109                                       | 70.5 987                                                                     | 0.25 3.5                                                        | 177 4971             | 22.5          | 7.787        | 30.225            | 16,730             | 4.81        |                    |             |
| W6B  | -8.53             | 11/27/06        | 909            |                                  |                     | 3.32 103                                       | 105 1471                                                                     | 0.28 3.9                                                        | 163 4578             | 22.6          | 7.839        | 30.399            | 16,827             | 4.69        |                    |             |
| W6B  | -8.53             | 12/11/06        | 1010           |                                  |                     | 3.33 103                                       | 102 1429                                                                     | 0.34 4.8                                                        | 160 4494             | 22.4          | 7.837        | 30.594            | 16,935             | 4.72        |                    |             |
| W6B  | -8.53             | 1/8/07          | 1104           |                                  |                     | 3.48 108                                       | 92.6 1297                                                                    | 0.29 4.1                                                        | 159 4466             | 22.2          | 7.822        | 30.356            | 16,803             | 5.40        |                    |             |
| W6B  | -8.53             | 2/20/07         | 1001           |                                  |                     | 3.44 107                                       | 75.5 1058                                                                    | 0.48 6.7                                                        | 166 4662             | 22.1          | 7.826        | 29.880            | 16,539             | 5.93        |                    |             |
| W6B  | -8.53             | 3/5/07          | 936            |                                  |                     | 3.46 107                                       | 88.9 1245                                                                    | 0.41 5.7                                                        | 172 4831             | 22.2          | 7.803        | 29.607            | 16,388             | 5.10        |                    |             |
| W6B  | -8.53             | 4/18/07         | 1000           |                                  |                     | 3.53 109                                       | 86.5 1212                                                                    | 0.21 2.9                                                        | 174 4887             | 21.7          | 7.825        | 29.104            | 16,110             | 5.50        |                    |             |
| W6B  | -8.53             | 5/1/07          | 952            |                                  |                     | 3.46 107                                       | 77.7 1088                                                                    | 0.31 4.3                                                        | 173 4859             | 21.2          | 7.833        | 29.393            | 16,270             | 5.36        |                    |             |
| W6B  | -8.53             | 6/18/07         | 932            |                                  |                     | 3.32 103                                       | 76.5 1071                                                                    | 0.20 2.8                                                        | 173 4859             | 21.6          | 7.854        | 29.616            | 16,393             | 5.74        |                    |             |
| W6B  | -8.53             | 7/23/07         | 1512           | -2.11                            | 0.52 Flood          | 2.21 69                                        | 42.5 595                                                                     | 0.00 0.0                                                        | 101 2824             | 22.5          | 7.71         | 30.58             | 16,927             | 4.60        |                    |             |

# NELHA Water Quality Laboratory

## Well 6B Data Table

6/23/1980 - 12/31/2005

| Site | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| W6B  | -8.53             | 8/27/07         | 1510           | -1.98                            | 0.52 Flood          | 3.25 101                                       | 98.3 1376                                                                    | 0.11 1.6                                                        | 156 4392             | 22.7          | 7.78         | 30.27             | 16,755             | 4.90        |                    |             |
| W6B  | -8.53             | 9/18/07         | 1624           | -2.26                            | 0.24 Ebb            | 3.18 98                                        | 96.8 1356                                                                    | 0.05 0.7                                                        | 164 4609             | 22.6          | 7.75         | 30.52             | 16,894             | 4.45        |                    |             |
| W6B  | -8.53             | 10/23/07        | 1537           | -2.06                            | 0.52 High           | 2.64 82                                        | 101.5 1422                                                                   | 0.10 1.4                                                        | 144 4052             | 22.6          | 7.70         | 30.25             | 16,744             | 5.37        |                    |             |
| W6B  | -8.53             | 11/20/07        | 1324           | -2.21                            | 0.38 Ebb            | 2.87 89                                        | 91.4 1280                                                                    | 0.07 1.0                                                        | 164 4620             | 22.4          | 7.71         | 29.89             | 16,545             | 4.70        |                    |             |
| W6B  | -8.53             | 12/19/07        | 1340           | -2.39                            | 0.30 High           | 3.25 101                                       | 107.4 1504                                                                   | 1.57 22                                                         | 161 4511             | 21.3          | 7.65         | 28.63             | 15,847             | 5.39        |                    |             |
| W6B  | -8.53             | 1/28/08         | 924            | -2.31                            | 0.24 Ebb            | 2.19 68                                        | 120.2 1683                                                                   | 0.14 1.9                                                        | 133 3745             | 19.7          | 7.44         | 28.92             | 16,008             | 1.82        |                    |             |
| W6B  | -8.53             | 2/26/08         | 1401           | -2.44                            | 0.03 Ebb            | 2.62 81                                        | 130.3 1825                                                                   | 0.59 8.3                                                        | 147 4121             | 19.4          | 7.54         | 28.76             | 15,919             | 3.42        |                    |             |
| W6B  | -8.53             | 3/17/08         | 1507           | -2.44                            | 0.21 Flood          | 4.17 129                                       | 129.9 1819                                                                   | 0.06 0.8                                                        | 157 4397             | 16.6          | 7.71         | 29.53             | 16,346             | 4.21        |                    |             |
| W6B  | -8.53             | 4/29/08         | 1138           | -2.24                            | 0.09 Flood          | 3.69 114                                       | 118.4 1658                                                                   | 0.09 1.2                                                        | 154 4319             | 19.9          | 7.54         | 29.49             | 16,323             | 4.60        |                    |             |
| W6B  | -8.53             | 5/28/08         | 1120           | -2.18                            | 0.18 Flood          | 3.44 106                                       | 96.4 1350                                                                    | 0.21 3.0                                                        | 177 4958             | 20.5          | 7.64         | 29.37             | 16,257             | 3.88        |                    |             |
| W6B  | -8.53             | 6/17/08         | 1153           | -2.44                            | 0.00 Flood          | 3.89 120                                       | 88.2 1236                                                                    | 0.75 10.5                                                       | 158 4424             | 20.9          | 7.43         | 29.17             | 16,146             | 2.61        | 0.13               |             |
| W6B  | -8.53             | 7/22/08         | 1140           | -2.46                            | 0.30 Ebb            | 3.36 104                                       | 80.8 1132                                                                    | 0.35 4.9                                                        | 161 4532             | 22.9          | 7.58         | 29.43             | 16,290             | 3.63        |                    |             |
| W6B  | -8.53             | 8/30/08         | 1142           |                                  | -0.09 Low           | 3.38 105                                       | 78.5 1099                                                                    | 0.14 1.9                                                        | 170 4763             | 21.1          | 7.62         | 29.33             | 16,235             | 4.25        |                    |             |
| W6B  | -8.53             | 9/16/08         | 1123           | -2.54                            | 0.12 Ebb            | 3.34 103                                       | 80.2 1124                                                                    | 0.22 3.1                                                        | 168 4725             | 21.7          | 7.47         | 29.06             | 16,085             | 5.65        |                    |             |
| W6B  | -8.53             | 10/28/08        | 1056           | -2.51                            | 0.30 Ebb            | 3.87 120                                       | 86.6 1214                                                                    | 0.18 2.5                                                        | 168 4714             | 20.8          | 7.22         | 31.81             | 17,608             | 3.49        | 0.3                |             |
| W6B  | -8.53             | 11/13/08        | 1121           | -2.51                            | 0.12 Ebb            | 3.44 106                                       | 75.5 1057                                                                    | 0.16 2.2                                                        | 163 4585             | 21.7          | 7.70         | 29.38             | 16,263             | 3.99        | 0.48               |             |
| W6B  | -8.53             | 12/15/08        | 1423           | -2.56                            | 0.61 Ebb            | 4.45 138                                       | 94.3 1321                                                                    | 0.11 1.5                                                        | 173 4857             | 22.0          | 7.80         | 28.77             | 15,925             | 4.72        |                    |             |
| W6B  | -8.53             | 1/22/09         | 1107           | -2.54                            | 0.15 High           | 4.16 129                                       | 100.0 1401                                                                   | 0.59 8.3                                                        | 176 4956             | 20.2          | 7.61         | 28.67             | 15,870             | 3.39        | 0.16               |             |
| W6B  | -8.53             | 2/24/09         | 1038           | -2.66                            | 0.06 Low            | 3.93 122                                       | 155.9 2183                                                                   | 0.49 6.9                                                        | 220 6172             | 20.0          | 7.48         | 27.57             | 15,261             | 3.06        | 0.11               |             |
| W6B  | -8.53             | 3/16/09         | 1117           | -2.61                            | 0.09 Ebb            | 3.42 106                                       | 91.7 1285                                                                    | 0.29 4.0                                                        | 161 4526             | 20.2          | 7.39         | 27.68             | 15,322             | 4.32        | 0.12               |             |
| W6B  | -8.53             | 4/30/09         | 1622           | -2.72                            | 0.24 Flood          | 5.31 165                                       | 85.4 1196                                                                    | 0.43 6.0                                                        | 139 3902             | 19.4          | 7.92         | 28.16             | 15,587             | 4.87        |                    |             |
| W6B  | -8.53             | 5/29/09         | 1039           | -2.40                            | 0.21 Ebb            | 4.43 137                                       | 81.8 1146                                                                    | 0.21 2.9                                                        | 213 5996             | 18.2          | 7.68         | 28.43             | 15,737             | 5.06        | 0.11               |             |
| W6B  | -8.53             | 6/16/09         | 1427           | -2.27                            | 0.40 Flood          | 2.86 89                                        | 49.1 688                                                                     | 0.28 3.9                                                        | 113 3163             | 18.0          | 8.21         | 28.86             | 15,975             | 5.55        | 0.24               |             |
| W6B  | -8.53             | 7/14/09         | 1354           | -2.40                            | 0.37 Ebb            | 2.79 86                                        | 53.6 751                                                                     | 0.33 4.6                                                        | 103 2895             | 19.4          | 7.74         | 29.08             | 16,097             | 4.65        | 0.24               |             |
| W6B  | -8.53             | 8/19/09         | 1407           | -1.93                            | 0.67 Flood          | 3.78 117                                       | 73.2 1026                                                                    | 1.34 18.7                                                       | 157 4412             | 19.4          | 7.13         | 29.82             | 16,506             | 4.97        | 0.22               |             |
| W6B  | -8.53             | 9/21/09         | 1551           | -2.37                            | 0.30 Flood          | 3.75 116                                       | 77.7 1088                                                                    | 0.36 5                                                          | 137 3860             | 20.6          | 8.19         | 29.77             | 16,478             | 4.67        | 0.33               |             |
| W6B  | -8.53             | 10/22/09        | 1624           | -2.53                            | 0.18 Flood          | 3.57 111                                       | 70.4 987                                                                     | 0.56 7.9                                                        | 92 2583              | 20.8          | 7.71         | 29.43             | 16,290             | 4.86        | 0.57               |             |
| W6B  | -8.53             | 11/17/09        | 858            | -2.46                            | 0.30 Ebb            | 3.88 120                                       | 65.2 913                                                                     | 0.87 12.2                                                       | 230 6474             | 20.8          | 7.70         | 29.33             | 16,235             | 4.92        | 0.07               |             |
| W6B  | -8.53             | 12/8/09         | 919            | -2.17                            | 0.55 High           | 3.75 116                                       | 72.0 1009                                                                    | 1.00 14                                                         | 201 5657             | 20.7          | 7.71         | 29.14             | 16,130             | 5.22        | 0.08               |             |
| W6B  | -8.53             | 1/6/10          | 842            | -2.20                            | 0.43 High           | 3.29 102                                       | 69.8 977                                                                     | 1.36 19                                                         | 182 5112             | 20.2          | 7.67         | 28.85             | 15,969             | 5.09        | 0.63               |             |
| W6B  | -8.53             | 2/2/10          | 843            | -1.98                            | 0.37 Ebb            | 3.94 122                                       | 89.8 1258                                                                    | 0.71 10                                                         | 172 4827             | 20.2          | 7.77         | 28.77             | 15,925             | 5.15        | 0.61               |             |
| W6B  | -8.53             | 3/10/10         | 817            | -2.64                            | 0.09 Low            | 4.16 129                                       | 82.3 1153                                                                    | 0.43 6                                                          | 204 5720             | 19.6          | 7.74         | 28.08             | 15,543             | 5.16        | 0.37               |             |
| W6B  | -8.53             | 4/6/10          | 1421           | -2.60                            | 0.12 Ebb            | 4.29 133                                       | 71.6 1003                                                                    | 0.79 11                                                         | 198 5562             | 21.4          | 7.75         | 25.94             | 14,358             | 5.70        | 0.12               |             |
| W6B  | -8.53             | 5/11/10         | 1447           | -2.04                            | 0.55 High           | 3.68 114                                       | 55.4 776                                                                     | 1.21 17                                                         | 192 5405             | 18.6          | 7.79         | 28.95             | 16,025             | 5.79        | 0.60               |             |
| W6B  | -8.53             | 6/16/10         | 1014           | -2.38                            | 0.15 Ebb            | 3.87 120                                       | 67.2 941                                                                     | 1.14 16                                                         | 211 5933             | 18.8          | 7.82         | 28.98             | 16,041             | 5.12        | 0.17               |             |

# NELHA Water Quality Laboratory

## Well 6B Data Table

6/23/1980 - 12/31/2025

| Site | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| W6B  | -8.53             | 7/13/10         | 1458           | -2.27                            | 0.40 Flood          | 3.78 117                                       | 65.0 910                                                                     | 0.64 9                                                          | 220 6192             | 19.4          | 7.76         | 29.19             | 16,157             | 5.44        | 0.36               |             |
| W6B  | -8.53             | 8/3/10          | 1459           | -2.19                            | 0.40 Ebb            | 4.00 124                                       | 64.5 904                                                                     | 0.28 3.9                                                        | 206 5780             | 19.5          | 7.78         | 29.39             | 16,268             | 5.62        | 0.30               |             |
| W6B  | -8.53             | 9/14/10         | 1510           | -2.34                            | 0.30 Ebb            | 3.68 114                                       | 66.8 935                                                                     | 0.29 4.1                                                        | 207 5821             | 19.9          | 7.75         | 29.42             | 16,285             | 5.42        | 0.66               |             |
| W6B  | -8.53             | 10/12/10        | 1533           | -2.41                            | 0.18 Low            | 3.62 112                                       | 66.8 935                                                                     | 0.68 9.5                                                        | 201 5637             | 19.9          | 7.75         | 29.35             | 16,246             | 5.21        | 0.19               |             |
| W6B  | -8.53             | 11/16/10        | 1423           | -2.18                            | 0.34 Ebb            | 3.58 111                                       | 70.9 993                                                                     | 0.16 2.3                                                        | 199 5597             | 19.9          | 7.75         | 29.74             | 16,462             | 5.42        | 0.28               |             |
| W6B  | -8.53             | 12/14/10        | 1450           | -2.45                            | 0.12 Ebb            | 3.75 116                                       | 87.6 1227                                                                    | 0.09 1.2                                                        | 175 4902             | 19.7          | 7.77         | 29.17             | 16,146             | 5.45        | 0.16               |             |
| W6B  | -8.53             | 1/4/11          | 1433           | -2.45                            | 0.15 Flood          | 3.84 119                                       | 86.5 1211                                                                    | 0.48 6.7                                                        | 192 5396             | 19.3          | 7.71         | 28.67             | 15,870             | 5.65        | 0.37               |             |
| W6B  | -8.53             | 4/5/11          | 1452           | -2.31                            | 0.34 Flood          | 4.00 124                                       | 80.3 1125                                                                    | 0.13 1.8                                                        | 192 5396             | 17.0          | 7.72         | 27.77             | 15,371             | 5.57        | 0.20               |             |
| W6B  | -8.53             | 7/11/11         | 1152           | -2.22                            | 0.49 Flood          | 3.81 118                                       | 82.7 1159                                                                    | 0.14 2.0                                                        | 214 5997             | 18.6          | 7.70         | 28.65             | 15,859             | 5.69        | 0.27               |             |
| W6B  | -8.53             | 10/11/11        | 1336           | -2.32                            | 0.34 Flood          | 3.49 108                                       | 58.9 825                                                                     | 0.28 3.9                                                        | 201 5653             | 19.5          | 7.67         | 29.43             | 16,290             | 4.03        | 0.29               |             |
| W6B  | -8.53             | 1/9/12          | 1445           | -2.67                            | 0.15 Flood          | 4.62 143                                       | 77.2 1082                                                                    | 0.11 1.5                                                        | 198 5569             | 18.9          | 7.70         | 28.24             | 15,632             | 3.32        | 0.11               |             |
| W6B  | -8.53             | 4/30/12         | 1503           | -2.36                            | 0.24 ebb            | 4.46 138                                       | 73.9 1035                                                                    | 0.06 0.9                                                        | 214 6023             | 17.0          | 7.60         | 28.70             | 15,886             | 4.95        | 0.21               |             |
| W6B  | -8.53             | 7/17/12         | 1522           | -1.92                            | 0.73 Flood          | 4.20 130                                       | 95.0 1331                                                                    | 0.22 3.1                                                        | 210 5890             | 17.6          | 7.47         | 29.40             | 16,274             | 3.58        | 0.51               |             |
| W6B  | -8.53             | 10/15/12        | 1332           | -2.37                            | 0.24 Flood          | 3.97 123                                       | 75.2 1054                                                                    | 0.07 1.0                                                        | 219 6153             | 17.8          | 7.44         | 29.31             | 16,224             | 2.16        | 0.24               |             |
| W6B  | -8.53             | 1/7/13          | 1418           | -2.39                            | 0.18 Ebb            | 4.88 151                                       | 89.5 1254                                                                    | 0.44 6.2                                                        | 264 7426             | 17.6          | 7.49         | 28.45             | 15,748             | 4.75        | 0.08               |             |
| W6B  | -8.53             | 4/8/13          | 1339           | -2.25                            | 0.37 Flood          | 4.68 145                                       | 70.7 990                                                                     | 0.31 4.3                                                        | 221 6210             | 16.5          | 7.51         | 28.21             | 15,615             | 4.22        | 0.18               |             |
| W6B  | -8.53             | 7/16/13         | 1622           | -2.37                            | 0.30 Ebb            | 4.20 130                                       | 59.7 836                                                                     | 0.18 2.5                                                        | 230 6449             | 17.7          | 7.44         | 28.86             | 15,975             | 2.84        | 0.30               |             |
| W6B  | -8.53             | 10/14/13        | 1701           | -2.37                            | 0.18 Ebb            | 3.75 116                                       | 49.6 695                                                                     | 0.32 4.5                                                        | 219 6144             | 18.4          | 7.50         | 28.90             | 15,997             | 3.28        | 0.18               |             |
| W6B  | -8.53             | 1/14/14         | 1554           | -2.31                            | 0.18 Ebb            | 5.04 156                                       | 99.2 1389                                                                    | 0.39 5.4                                                        | 220 6170             | 18.0          | 7.56         | 28.64             | 15,853             | 4.38        | 0.93               |             |
| W6B  | -8.53             | 4/28/14         | 1551           | -2.01                            | 0.52 Flood          | 5.17 160                                       | 108.0 1513                                                                   | 0.37 5.2                                                        | 206 5782             | 18.3          | 7.68         | 28.27             | 15,648             | 3.55        | 0.10               |             |
| W6B  | -8.53             | 7/28/14         | 1549           | -2.07                            | 0.49 Flood          | 4.75 147                                       | 69.4 972                                                                     | 0.14 2                                                          | 207 5827             | 18.3          | 7.53         | 29.30             | 16,218             | 3.95        | 0.12               |             |
| W6B  | -8.53             | 11/3/14         | 1315           | -2.04                            | 0.46 High           | 4.55 141                                       | 73.8 1033                                                                    | 0.09 1.3                                                        | 196 5512             | 18.9          | 7.55         | 28.89             | 15,991             | 4.57        | 0.21               |             |
| W6B  | -8.53             | 2/9/15          | 1713           | -2.35                            | 0.18 Low            | 6.11 189                                       | 76.9 1077                                                                    | 0.45 6.3                                                        | 183 5152             | 17.6          | 7.54         | 28.23             | 15,626             | 5.17        | 0.13               |             |
| W6B  | -8.53             | 5/19/15         | 1034           | -2.33                            | -0.06 Low           | 4.33 134                                       | 76.6 1073                                                                    | 0.74 10.3                                                       | 210 5898             | 18.0          | 7.57         | 28.10             | 15,554             | 4.25        | 0.02               |             |
| W6B  | -8.53             | 7/21/15         | 1328           | -2.51                            | 0.18 Low            | 4.78 148                                       | 69.9 979                                                                     | 0.02 0.3                                                        | 210 5906             | 18.7          | 7.41         | 29.06             | 16,085             | 3.02        | 0.07               |             |
| W6B  | -8.53             | 11/9/15         | 1053           | -2.28                            | 0.25 Flood          | 4.79 148                                       | 108.0 1513                                                                   | 0.26 3.6                                                        | 193 5430             | 20.3          | 7.44         | 28.56             | 15,809             | 3.81        | 0.18               |             |
| W6B  | -8.53             | 1/26/16         | 1048           | -2.49                            | 0.07 Low            | 5.78 179                                       | 104.0 1457                                                                   | 0.02 0.3                                                        | 202 5660             | 20.3          | 7.44         | 28.57             | 15,814             | 3.45        | 0.07               |             |
| W6B  | -8.53             | 4/21/16         | 1204           | -2.46                            | 0.20 Flood          | 5.48 170                                       | 66.9 938                                                                     | 0.39 5.4                                                        | 184 5179             | 19.2          | 7.48         | 29.10             | 16,108             | 4.38        | 0.10               |             |
| W6B  | -8.53             | 7/26/16         | 921            | -2.25                            | 0.20 Flood          | 5.53 171                                       | 55.6 779                                                                     | 0.08 1.1                                                        | 170 4764             | 19.4          | 7.47         | 29.21             | 16,168             | 3.81        | 0.11               |             |
| W6B  | -8.53             | 11/10/16        | 1140           | -2.13                            | 0.55 High           | 5.49 170                                       | 61.6 863                                                                     | 0.79 11.1                                                       | 175 4908             | 19.7          | 7.38         | 29.10             | 16,108             | 4.46        | 0.14               |             |
| W6B  | -8.53             | 3/21/17         | 1523           | -2.33                            | 0.10 Ebb            | 6.81 211                                       | 105.5 1477                                                                   | 0.17 2.4                                                        | 181 5087             | 19.7          | 7.73         | 29.39             | 16,268             | 3.34        | 0.11               |             |
| W6B  | -8.53             | 4/13/17         | 1438           | -2.30                            | 0.35 Flood          | 6.62 205                                       | 82.0 1148                                                                    | 0.26 3.6                                                        | 189 5299             | 19.4          | 7.78         | 29.12             | 16,119             | 2.35        | 0.30               |             |
| W6B  | -8.53             | 8/4/17          | 1125           | -2.15                            | 0.30 Flood          | 5.89 182                                       | 65.4 916                                                                     | 0.03 0.4                                                        | 178 5008             | 19.9          | 7.77         | 30.14             | 16,683             | 3.44        | 0.07               |             |
| W6B  | -8.53             | 10/19/17        | 947            | -2.40                            | 0.09 Low            | 5.08 157                                       | 55.3 775                                                                     | 0.24 3.4                                                        | 184 5166             | 20.0          | 7.66         | 29.29             | 16,213             | 3.50        | 0.16               |             |
| W6B  | -8.53             | 1/17/18         | 1313           | -2.48                            | 0.15 Flood          | 4.95 153                                       | 61.3 859                                                                     | 0.13 1.8                                                        | 184 5159             | 20.3          | 7.55         | 28.97             | 16,036             | 3.00        | 0.07               |             |

# NELHA Water Quality Laboratory

## Well 6B Data Table

6/23/1989 - 12/31/2025

| Site | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| W6B  | -8.53             | 5/10/18         | 1123           | -2.30                            | 0.35 Flood          | 7.21 223                                       | 64.5 904                                                                     | 0.08 1.1                                                        | 174 4898             | 18.3          | 7.90         | 33.16             | 18,355             | 1.80        | 0.06               |             |
| W6B  | -8.53             | 8/20/18         | 1050           | -2.16                            | 0.52 Flood          | 7.72 239                                       | 43.3 607                                                                     | 0.30 4.2                                                        | 181 5078             | 20.2          | 7.81         | 28.86             | 15,975             | 1.77        | 0.08               |             |
| W6B  | -8.53             | 10/25/18        | 1332           | -2.33                            | 0.22 Flood          | 5.90 183                                       | 39.8 557                                                                     | 0.06 0.9                                                        | 170 4786             | 21.7          | 7.80         | 29.26             | 16,196             | 1.76        | 0.12               |             |
| W6B  | -8.53             | 2/7/19          | 1341           | -2.63                            | 0.18 Flood          | 9.00 279                                       | 72.7 1018                                                                    | 0.06 0.8                                                        | 173 4857             | 19.7          | 7.81         | 29.08             | 16,097             | 4.02        | 0.10               |             |
| W6B  | -8.53             | 5/16/19         | 1136           | -2.46                            | 0.35 Flood          | 7.70 239                                       | 56.9 797                                                                     | 0.09 1.2                                                        | 172 4817             | 18.9          | 7.69         | 30.01             | 16,611             | 3.98        | 0.10               |             |
| W6B  | -8.53             | 8/29/19         | 909            | -2.54                            | -0.05 Low           | 4.97 154                                       | 53.2 746                                                                     | 0.15 2.1                                                        | 190 5322             | 20.2          | 7.79         | 29.25             | 16,191             | 4.04        | 0.24               |             |
| W6B  | -8.53             | 10/10/19        | 1346           | -1.95                            | 0.50 High           | 4.61 143                                       | 48.2 676                                                                     | 0.99 13.8                                                       | 181 5092             | 22.1          | 7.86         | 30.15             | 16,689             | 3.49        | 0.19               |             |
| W6B  | -8.53             | 2/4/20          | 1413           | -2.39                            | 0.10 Ebb            | 5.65 175                                       | 68.2 956                                                                     | -0.40 -5.6                                                      | 175 4922             | 20.2          | 7.82         | 29.44             | 16,296             | 3.78        | 0.07               |             |
| W6B  | -8.53             | 6/2/20          | 1013           | -2.29                            | 0.20 Flood          | 4.31 134                                       | 54.8 767                                                                     | 0.34 4.8                                                        | 168 4707             | 19.2          | 7.77         | 29.83             | 16,512             | 3.76        | 0.08               |             |
| W6B  | -8.53             | 8/19/20         | 920            | -2.45                            | -0.06 Low           | 3.76 116                                       | 58.1 814                                                                     | 0.17 2.4                                                        | 194 5438             | 18.6          | 7.77         | 27.10             | 15,001             | 4.41        | 0.08               |             |
| W6B  | -8.53             | 12/9/20         | 905            | -2.10                            | 0.40 Flood          | 4.78 148                                       | 70.9 992                                                                     | 0.32 4.5                                                        | 176 4937             | 18.5          | 7.65         | 29.35             | 16,246             | 4.64        | 0.14               |             |
| W6B  | -8.53             | 2/17/21         | 1000           | -2.22                            | 0.25 Ebb            | 4.79 148                                       | 84.4 1183                                                                    | 0.14 2                                                          | 192 5384             | 18.6          | 7.61         | 29.28             | 16,207             | 4.45        | 0.02               |             |
| W6B  | -8.53             | 4/14/21         | 1041           | -2.58                            | -0.03 Low           | 5.04 156                                       | 107.4 1504                                                                   | 0.21 2.9                                                        | 212 5949             | 19.4          | 7.47         | 28.29             | 15,659             | 1.92        | 0.05               |             |
| W6B  | -8.53             | 7/7/21          | 935            | -2.60                            | 0.05 Low            | 4.79 148                                       | 75.7 1061                                                                    | 0.11 1.6                                                        | 192 5388             | 19.1          | 7.38         | 28.32             | 15,676             | 1.74        | 0.13               |             |
| W6B  | -8.53             | 11/8/21         | 1120           | -2.27                            | 0.30 Ebb            | 5.22 162                                       | 57.3 802                                                                     | 0.18 2.5                                                        | 199 5586             | 19.7          | 7.36         | 27.95             | 15,471             | 2.53        | 0.09               |             |
| W6B  | -8.53             | 2/4/22          | 1333           | -2.59                            | 0.10 Flood          | 6.21 192                                       | 87.1 1220                                                                    | 0.06 0.9                                                        | 246 6919             | 18.1          | 7.47         | 27.34             | 15,133             | 3.89        | 0.05               |             |
| W6B  | -8.53             | 4/20/22         | 1042           | -2.68                            | -0.07 Low           | 3.62 112                                       | 61.3 859                                                                     | 0.03 0.4                                                        | 225 6331             | 18.2          | 7.45         | 26.95             | 14,918             | 3.91        | 0.02               |             |
| W6B  | -8.53             | 7/12/22         | 1310           | -2.18                            | 0.50 Flood          | 4.80 149                                       | 61.5 862                                                                     | -0.36 -5                                                        | 212 5948             | 18.4          | 7.49         | 28.67             | 15,870             | 3.57        | 0.05               |             |
| W6B  | -8.53             | 11/22/22        | 944            | -2.45                            | 0.20 Ebb            | 4.16 129                                       | 66.8 936                                                                     | 0.01 0.2                                                        | 191 5353             | 18.5          | 7.50         | 27.89             | 15,438             | 4.64        | 0.23               |             |
| W6B  | -8.53             | 1/26/23         | 902            | -2.12                            | 0.45 Ebb            | 4.73 146                                       | 68.6 961                                                                     | 0.04 0.5                                                        | 202 5678             | 17.1          | 7.48         | 26.94             | 14,912             | 4.88        | 0.07               |             |
| W6B  | -8.53             | 4/25/23         | 1339           | -2.60                            | 0.02 Low            | 5.06 157                                       | 66.2 927                                                                     | 0.17 2.4                                                        | 222 6240             | 17.0          | 7.41         | 27.04             | 14,967             | 5.64        | 0.07               |             |
| W6B  | -8.53             | 8/15/23         | 927            | -2.55                            | -0.02 Low           | 4.48 139                                       | 69.2 969                                                                     | -0.03 -0.4                                                      | 229 6442             | 17.2          | 7.46         | 27.67             | 15,316             | 5.20        | 0.31               |             |
| W6B  | -8.53             | 11/15/23        | 1336           | -2.34                            | 0.25 Flood          | 4.03 125                                       | 71.1 995                                                                     | 0.11 1.5                                                        | 205 5762             | 17.1          | 7.57         | 27.59             | 15,272             | 5.62        | 0.55               | 159.7       |
| W6B  | -8.53             | 1/23/24         | 957            | -2.45                            | 0.41 Low            | 3.41 106                                       | 68.2 956                                                                     | 0.16 2.2                                                        | 203 5693             | 16.2          | 7.51         | 24.48             | 13,550             | 5.98        | 0.17               | 161.1       |
| W6B  | -8.53             | 5/7/24          | 1053           | -2.57                            | 0.10 Flood          | 4.16 129                                       | 65.5 917                                                                     | -0.11 -1.6                                                      | 215 6043             | 16.6          | 7.53         | 26.90             | 14,890             | 5.21        | 0.19               | 218.6       |
| W6B  | -8.53             | 7/31/24         | 1418           | -1.80                            | 0.68 High           | 3.98 123                                       | 63.6 890                                                                     | -0.06 -0.9                                                      | 198 5559             | 16.7          | 7.53         | 27.96             | 15,477             | 5.68        | 0.09               | 126.5       |
| W6B  | -8.53             | 12/10/24        | 1427           | -2.29                            | 0.25 Ebb            | 4.08 126                                       | 63.1 884                                                                     | 0.09 1.2                                                        | 210 5904             | 17.3          | 7.57         | 27.13             | 15,017             | 4.74        | 0.23               | 167.4       |
| W6B  | -8.53             | 1/9/25          | 1358           | -2.31                            | 0.12 Ebb            | 4.08 126                                       | 68.6 960                                                                     | 0.26 3.7                                                        | 207 5806             | 17.3          | 7.53         | 27.42             | 15,178             | 5.03        | 0.22               | 156.0       |
| W6B  | -8.53             | 5/14/25         | 1036           | -2.50                            | -0.07 Low           | 4.40 136                                       | 58.5 820                                                                     | 0.04 0.5                                                        | 210 5892             | 18.4          | 7.49         | 27.83             | 15,405             | 4.22        | 0.57               | 179.4       |
| W6B  | -8.53             | 7/29/25         | 1351           | -2.23                            | 0.20 Flood          | 4.60 142                                       | 47.9 671                                                                     | 0.07 1                                                          | 208 5828             | 18.9          | 7.54         | 28.10             | 15,554             | 3.60        | 0.36               | 242.3       |
| W6B  | -8.53             | 12/17/25        | 1456           | -2.27                            | 0.20 Ebb            | 4.86 151                                       | 55.1 772                                                                     | 0.00 0                                                          | 500 14053            | 19.1          | 7.50         | 27.82             | 15,399             | 3.97        | 0.58               | 162.7       |

# NELHA Water Quality Laboratory

## Well 6B Data Table

6/23/1989 - 12/31/2025

| Site      | Pump<br>Depth (m) | Date<br>(M/D/Y) | Time<br>(2400) | Depth to<br>H <sub>2</sub> O (m) | Tide<br>(m) (cycle) | PO <sub>4</sub> <sup>3-</sup><br>(µM) (µg P/L) | NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup><br>(µM) (µg N/L) | NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub><br>(µM) (µg N/L) | Si<br>(µM) (µg Si/L) | Temp.<br>(°C) | pH<br>(unit) | Salinity<br>(PSU) | Chloride<br>(mg/L) | DO<br>(ppm) | Turbidity<br>(NTU) | ORP<br>(mV) |
|-----------|-------------------|-----------------|----------------|----------------------------------|---------------------|------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| Mean      |                   |                 |                | -2.34                            | 0.26                | 4.44 138                                       | 75.15 1053                                                                   | 0.23 3.2                                                        | 207 5800             | 19.7          | 7.71         | 28.62             | 15,793             | 5.14        | 0.22               | 174.9       |
| Std. Dev. |                   |                 |                | 0.19                             | 0.18                | 0.96 30                                        | 19.91 279                                                                    | 0.31 4.3                                                        | 52 1460              | 1.7           | 0.14         | 1.28              | 1,147              | 1.11        | 0.18               | 35.0        |
| Maximum   |                   |                 |                | -1.80                            | 0.73                | 9.00 279                                       | 156 2183                                                                     | 3.79 53.1                                                       | 649 18227            | 22.9          | 8.21         | 33.16             | 18,355             | 7.63        | 0.93               | 242.3       |
| Minimum   |                   |                 |                | -2.72                            | -0.09               | 2.19 68                                        | 36 506                                                                       | -0.40 -5.6                                                      | 92 2583              | 16.0          | 7.13         | 24.48             | 0                  | 1.74        | 0.02               | 126.5       |
| n         |                   |                 |                | 101                              | 102                 | 309 309                                        | 309 309                                                                      | 308 309                                                         | 302 301              | 310           | 309          | 307               | 308                | 307         | 86                 | 9           |