



Lake Taupo Long-Term Monitoring Programme

2018-2019

Prepared for Waikato Regional Council

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Executive summary

Waikato Regional Council commissioned a long-term programme to monitor water quality of Lake Taupo with the expectation that the trophic status will slowly change to reflect changes in land use within the lake's catchments. The monitoring programme was designed to detect change through assessment of the lake's water quality. This programme commenced in October 1994 and is conducted by NIWA with field assistance from the Department of Internal Affairs, Taupo Harbourmaster's Office. This report presents the results for the July 2018 – June 2019 monitoring period.

The long-term monitoring programme uses the historical mid-lake site, Site A. Previous work determined that the near-shore water quality was very similar to the mid-lake water quality.

The maximum water temperature at 10 m depth in the summer of 2019 was 21.1°C, lower than the previous year (21.7 °C, the highest on record), while the maximum at 0 m depth (21.3°C) was above the average (20.4 °C).

The winter water temperature minima at 0 and 10 m depth in the winter of 2018 (11.4°C and 11.2°C, respectively) were higher than all years since records start, with the exception of 1998 and 1999. Nevertheless, oxygen concentrations, temperatures and bottom water nutrient concentrations indicated full water column mixing in the winter of 2018, unlike the previous monitoring year. The mixing season, as defined by the water column temperature gradient, lasted about 5 weeks. However, the average temperature difference between surface and bottom water layers during winter was above the average since 1995. As was the case in previous monitoring years, mixed layers and the thermocline were most clearly defined in the cooling part of the year, from February to June.

The winter 2018 mean water surface temperature, 11.7°C, was 0.3°C above the long-term average and the summer 2019 mean, 20.9°C, was 1.5°C above the long-term average. However, there were no statistically significant trends since 1995 in summer (January-March), winter (July-September) or annual mean water surface temperatures.

During July 2018 oxygen at 150 m dropped to 6.4 g m⁻³, before winter mixing increased the bottom water oxygen concentrations. Oxygen concentrations in the hypolimnion had only been lower in 2001.

There was a statistically significant correlation between the winter mean chlorophyll *a* and the winter mean temperature difference between shallow and deep water layers (as observed over the historical time series), with low temperature gradients during winters associated with enhanced algal growth. Longer mixing seasons may result in higher wintertime algal biomass by delaying the accumulation of dissolved nutrients in the bottom water in spring and keeping them available for algal growth in the surface layer, explaining the correlation between the mean winter temperature depth gradient and wintertime chlorophyll concentrations.

Secchi depth was highest in February 2019 (23 m), which was 4 m higher than the previous monitoring year, coinciding with fairly low chlorophyll *a* (0.3 mg m⁻³, similar to the minimum in the previous monitoring year). The maximum Secchi depth was above the long-term annual mean maximum Secchi depth (19.3 m).

Total, dissolved organic and particulate nitrogen peaked in 2013 and decreased almost every year since then. Also total phosphorus, and its various forms, has declined since 2013.

The maximum hypolimnetic $\text{NO}_3\text{-N}$ and DRP concentrations reached in the autumn of 2018, before the winter mixing started (August 2018), were above average for $\text{NO}_3\text{-N}$ and below average for DRP. The low hypolimnetic nutrient concentrations measured during winter in 2018 suggested complete mixing during the winter period (also shown by temperature and oxygen depth profiles), unlike results from the previous monitoring year. In June 2019 the hypolimnetic DRP concentration recorded (30 mg m^{-3}) was almost twice the highest annual maximum recorded to date (16 mg m^{-3}). Although hypolimnetic concentrations are expected to be high around this time, the exceptionally high DRP concentration is difficult to explain. In the same sample $\text{NO}_3\text{-N}$ was unusually low (0.5 mg m^{-3}) and the $\text{NH}_4\text{-N}$ concentration was unusually high (9 mg m^{-3}).

1 Introduction

A long-term monitoring programme of Lake Taupo's water quality was commissioned by Waikato Regional Council in October 1994 in the expectation that the trophic state of the lake would change to reflect changes in land use within the lake's catchment. This programme is conducted by NIWA with field assistance from the Department of Internal Affairs, Taupo Harbourmaster's Office. Various additions and improvements to the monitoring methodology have occurred with advances in available technology but the core monitoring parameters remain unchanged (Appendix 1). This report presents data from the routine mid-lake monitoring station from July 2018 to June 2019.

In two earlier reports (Gibbs 2005, 2006), data were included from two additional offshore sites representing those historically sampled in the 1974-76 assessments of lake water quality (White et al. 1980) (Figure 1) to evaluate spatial variability of water quality across the lake. Results from these two additional sites showed that, in general, there were minimal differences between the sites in seasonal variation and that data collected from Site A (mid lake) was representative of the main body of the lake. In addition, a comparison of upper water column nutrient and chlorophyll *a* concentrations and algal abundance was made between Site A and near-shore sites in Whangamata Bay (Kinloch) and Whakaipo Bay (Figure 1), over a 2-year period from February 2007 up to June 2009 (Gibbs 2010a). That study determined that, although there were small differences, the near-shore water quality was similar to the mid-lake water quality. This report presents data from Site A only.

The monitoring programme examines algal species composition and biomass, upper water layer water quality, whole water column water quality, and dissolved nutrient concentrations in bottom water. To understand the processes contributing to changes in water quality and trophic state, the upper water column (0-10 m depth) is sampled for nutrients, chlorophyll *a*, phytoplankton species composition and water clarity at 2-3 weekly intervals, and full depth profiles are carried out twice a year, around the onset of stratification and at the end of the stratified period. The first profile is taken in spring or early summer when thermal stratification has become established and is stable, the second profile is taken in autumn the following year before thermal stratification begins to break down, as the thermocline deepens.

This report is a less comprehensive version compared with Taupo's long-term water quality monitoring programme reports but meets all performance standards. A more comprehensive report will be produced in 2024, which will summarise data for the five-year period ending June 2023.

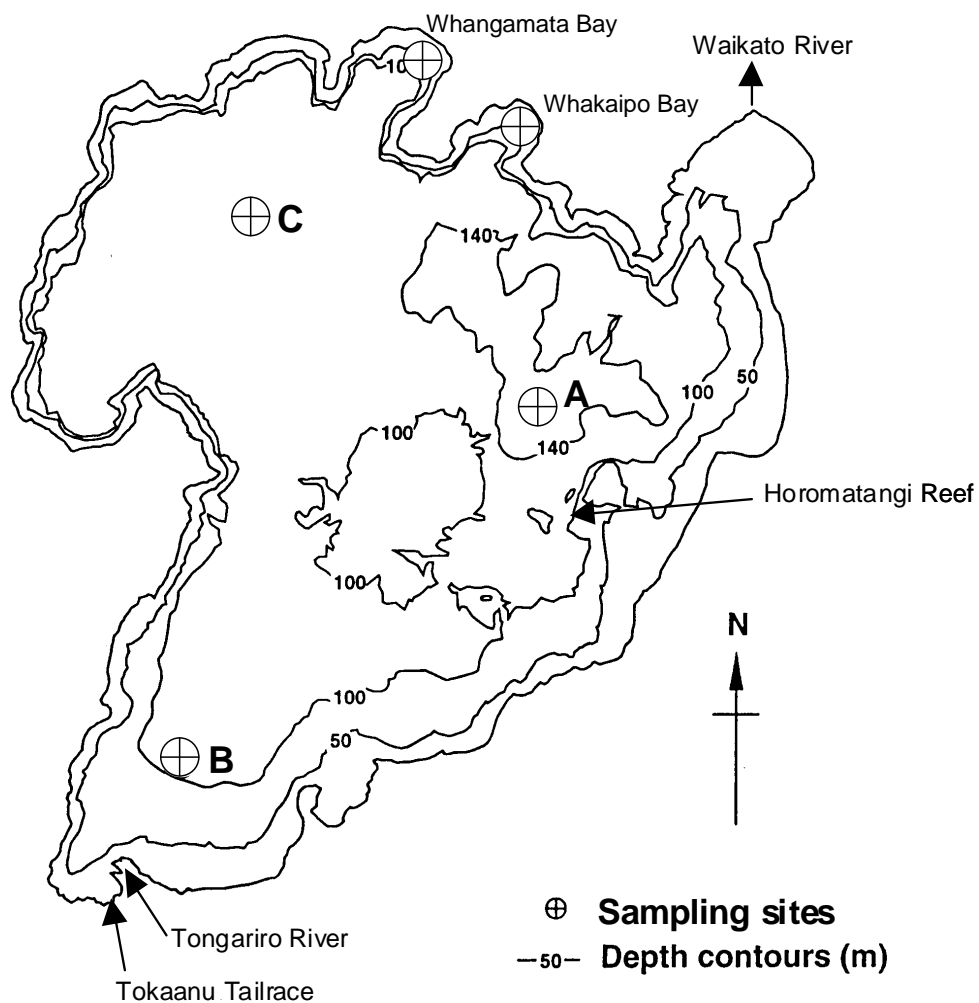


Figure 1: Site map of Lake Taupo. Showing location of the routine monitoring site at mid lake (A), and the two additional sites at Kuratau Basin (B) and the Western Bays (C) sampled during the three-year period 2002-2004. The near-shore comparison sites at Whangamata Bay and Whakaipo Bay sampled during a two-year period (2007-2009) are also shown.

2 Methods

Detailed method descriptions are given in Appendix 1. The parameters routinely measured or derived by calculation from component parameters at 2-3 weekly intervals are:

- Depth-related temperature and dissolved oxygen (DO), using a RBR XR420f CTD profiler until January 2008, thereafter using a RBR XR620f CTD profiler, and from February 2016 a RBR Maestro profiler/logger, with a fast response oxygen sensor, and Wi-fi download. Additional parameters of conductivity and chlorophyll fluorescence, and since January 2008, PAR, and since February 2016 turbidity and CDOM, recorded by the profiler sensors, are available at NIWA and will only be reported as appropriate.
- Water clarity by Secchi disc depth (20 cm black and white quartered).
- Chlorophyll *a*, nitrate+nitrite-nitrogen (indicated as NO₃-N because nitrate concentrations are typically much higher than of nitrite), ammoniacal-N (NH₄-N), dissolved organic N (DON), particulate-N (PN), dissolved reactive phosphorus (DRP), dissolved organic phosphorus (DOP), particulate phosphorus (PP), and algal species composition (cell counts and biovolume) in integrated-tube water samples from the top 10 m. Concentrations of total nitrogen (TN) and total phosphorus (TP) are estimated by summing the respective measured fractions. Zooplankton net hauls from 100 m (63 µm mesh) are preserved in 4% formalin and stored pending analysis.

Since 2000, water samples have also been collected using a van Dorn water bottle from just above the lake bed (150 m) for analysis of NO₃-N, NH₄-N, and DRP to assess nutrient accumulation rates in the hypolimnion and to assess the extent of winter mixing.

From the 2010/2011 monitoring period, inclusive, water samples have also been collected by a van Dorn water sampler from a depth of 50 m for analysis of chlorophyll *a* to assess the species composition and biomass of the phytoplankton in the deep chlorophyll maximum around or below the thermocline.

Whole water column sampling is carried out twice a year (in spring and autumn), and the parameters measured (or derived by calculation from component parameters) at 10 m depth intervals from the surface down to 150 m depth are:

- Conductivity, pH, temperature, DO, DRP, DOP, PP, TP, NO₃-N, NH₄-N, DON, PN, TN, total suspended solids (SS), volatile suspended solids (VSS), particulate carbon (PC), and dissolved organic carbon (DOC).

Additional parameters measured twice yearly in water samples from specific depths (1, 10, 50, 100 and 140 m) are:

- Algal species composition (cell counts and biovolume).

Details of data handling and the treatment of values that are near analytical detection limits are described in Appendix 1.

2.1 Report contents

This report presents the results from the 2018-2019 period, from winter 2017 to winter 2018, and refers to data in previous annual monitoring reports from 1995 to 2018 for inter-annual comparisons, and archived historical data since 1974 held by NIWA. The methods used are as per the 1994/95 report (Gibbs 1995), with minor modifications, and are included in Appendix 1. Temperature and dissolved oxygen data from the past twenty four years are given in Appendix 2 and nutrient data are in Appendix 3. Graphical presentations of time-series of data collected since the start of this monitoring programme are updated and presented in figures in the text. Phytoplankton species composition and biovolume data are included in Appendix 4, which contains phytoplankton data since 2006, and are discussed in the text. Historical (before 1994) nitrate and dissolved reactive phosphorus data from spring and autumn full lake profiles are presented in Appendix 5 for reference.

2.2 Statistical evaluation

Simple statistical evaluation of data has been made using Microsoft Excel® and linear regression results have been reported to \pm 95% confidence limits. Statistical significance (p), where used, includes the coefficient of determination (R^2) and the number of data points used (n). For details see Statistical Methods, Appendix 1.

2.3 “Trend” definition

As in previous reports, the word “trend” is used in the context of a change between the start and the end of a time series data set where the use of a linear regression analysis shows a statistically significant difference from the null hypothesis of there being no change. It should be noted that in environmental data, as long as the data possess sufficient resolution, there is always a trend across any time period, and whether the trend is statistically significant depends on the number of data collected. Therefore, statistically significant trends are not necessarily meaningful. A statistically significant positive trend suggests that the actual trend over the tested period was not likely to be a negative one. Statistical significance says nothing about how large or how important a trend is, or how well the trend is given by the regression. Use of the word “trend” is a statistical one. It does not imply any valid extrapolation of the observed change beyond the period of the data set being examined by the linear regression.

3 Results and discussion

3.1 Temperature and mixing

The time-series of temperature at 0, and 10 m depth (epilimnion) and 130 m depth (hypolimnion) collected in the monitoring programme since 1994 are presented in Figure 2. Annual maximum temperatures at 0 m depth were between 17.9°C and 22.7°C (Figure 2). In most winters the water column becomes isothermal and mixing occurs, but mixing was incomplete in the winter of 1998. The maximum at 10 m depth in the summer of 2019 was 21.1°C, lower than the previous year (21.7 °C, the highest on record), while the maximum at 0 m depth (21.3°C) was above the average (20.4 °C). The winter minima at 0 and 10 m depth in 2018 (11.4°C and 11.2°C, respectively) were higher than all years since records start, with the exception of only 2 years (1998 and 1999).

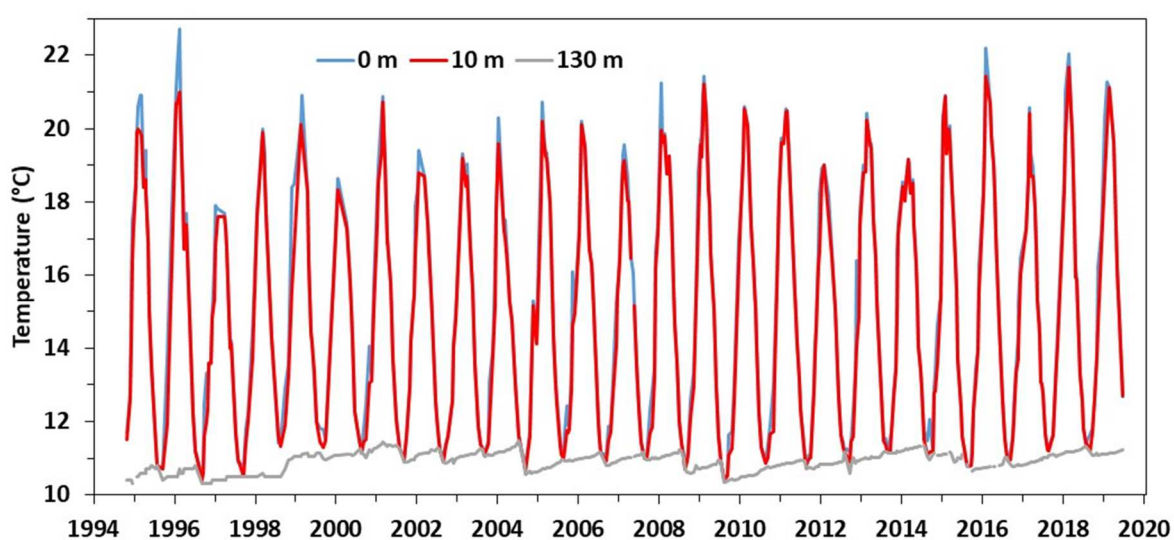


Figure 2: Time-series temperature data. Water temperatures at 0, 10 and 130 m. X-axis tick marks indicate 1 January of each year.

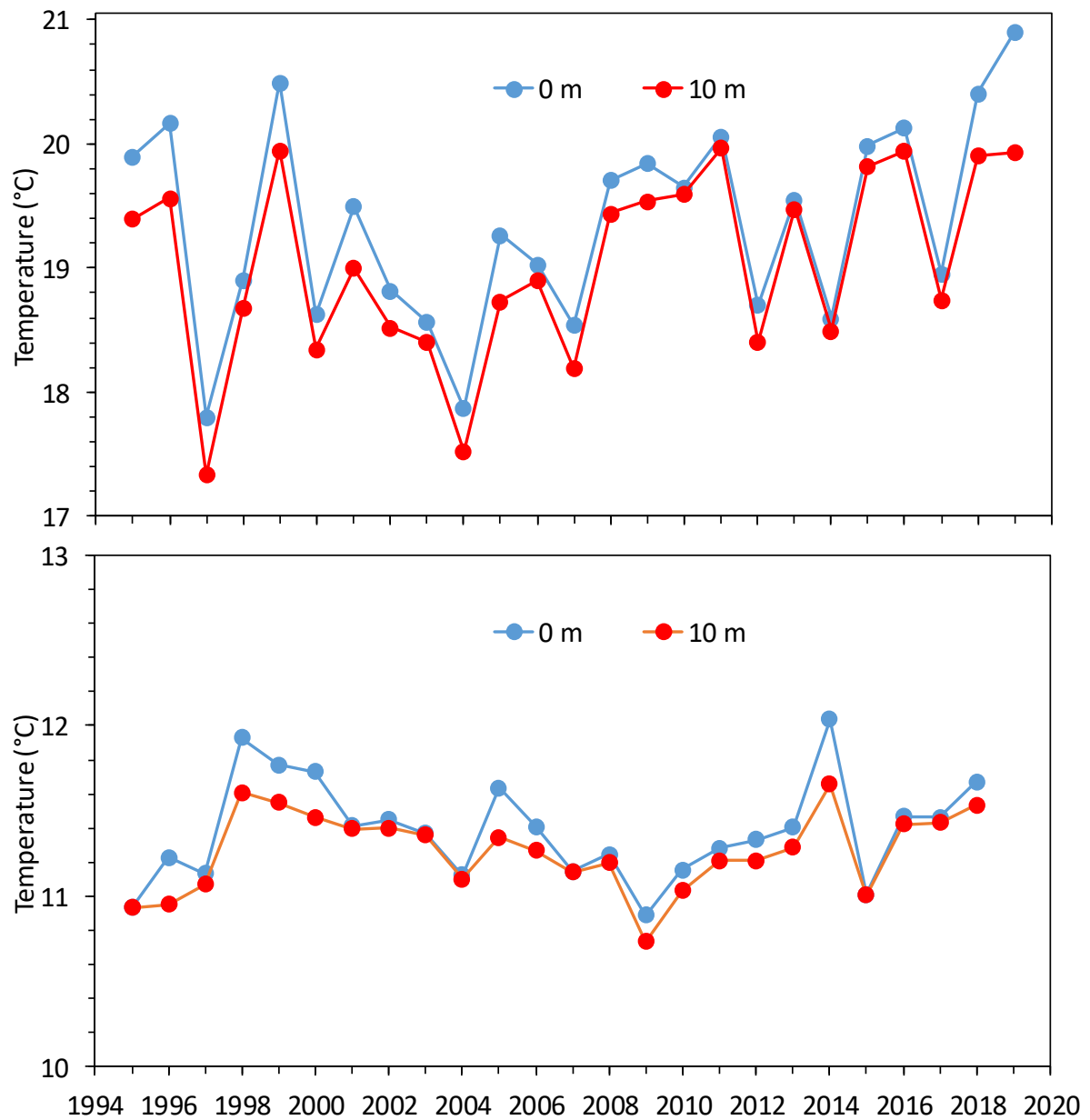


Figure 3: Mean A) summer (January-March) and B) winter (July-September) water temperatures at 0 and 10 m depth.

Summers were cooler in the early 2000s (Figure 3). The summer of 2019 was warmer than the previous year. In the monitoring year 2018-2019 the surface temperature was highest in January (21.3°C; see also Figure 17) and lowest in July (11.4°C). There has been no statistically significant change in annual mean water surface temperatures since 1995 (Figure 18).

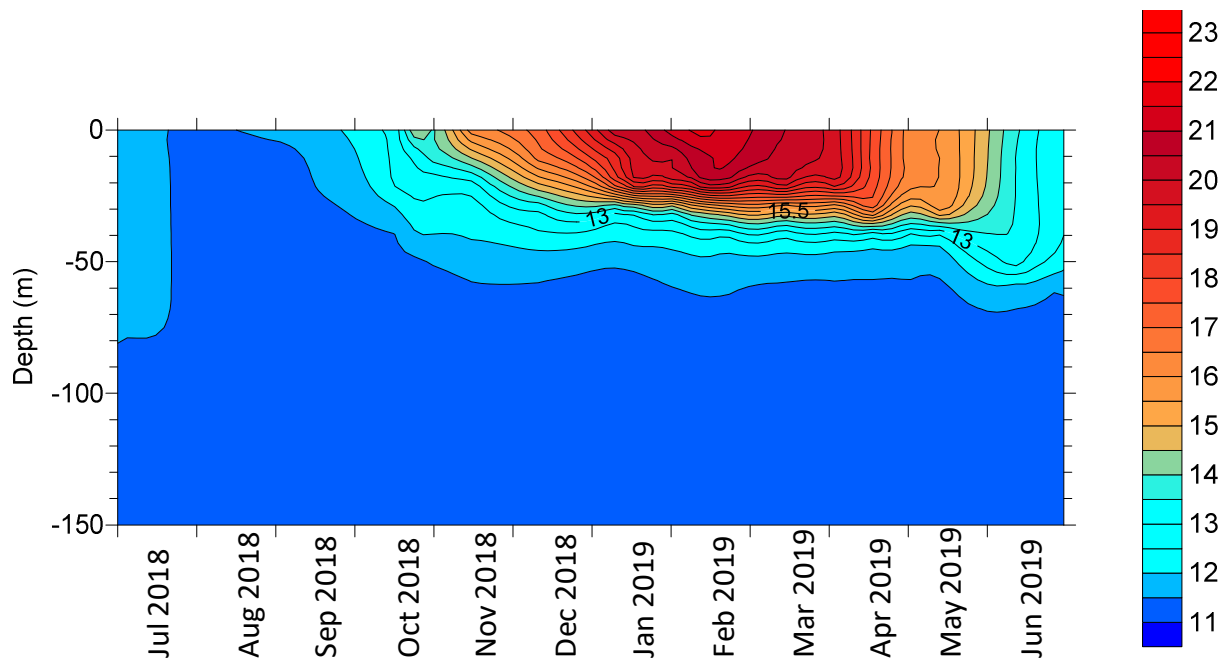


Figure 4: Contour plot of water temperatures (°C) from July 2018 to June 2019.

A contourplot (Figure 4) shows the almost homothermal water column from end of July to September 2018, the onset of stratification in September-October 2018, the deepening of the thermocline during the first half of summer, and the reduction in stratification during autumn 2019 before the overturn starting in the following winter. The 11°C isotherm did not disappear during winter 2018, unlike in the previous monitoring year (Verburg and Albert 2019). The mixing period in the winter of 2018, defined by the temperature difference between 20 m and 130 m depth being less than 0.3°C, lasted about 5 weeks during July-August. The average temperature difference between 20 m and 130 m depth in July-October 2017 was 0.71°C, higher than the long term mean of 0.47°C. It was higher than in the two winters of 2016-2018 (0.43°C and 0.57°C; Verburg and Albert 2017, Verburg and Albert 2018), as a result of a later start of full water column mixing and an earlier onset of stratification. The water column was thermally most homogenous on 28 August 2018 with a temperature difference of 0.03°C between 20 m and 130 m depth.

Temperature depth profiles (Figure 5) show cooling from 5 July to 28 August 2018, with the water column most isothermal on 28 August 2018, followed by warming until 31 January 2019. The lake surface cooled from February 2019 until the end of the monitoring year. The surface mixed layer was less defined in November 2018 until January 2019 than in the rest of the year. The surface mixed layer ranged from 16 m deep in November 2018 to 50 m deep in June 2019. In general, the mixed layer became shallower as the lake warmed and the difference between surface and deep water became greater, and the reverse happened during cooling in the autumn. As was the case in previous monitoring years (Verburg and Albert 2018), mixed layers and the thermocline were most clearly defined in the cooling part of the year, from February to June.

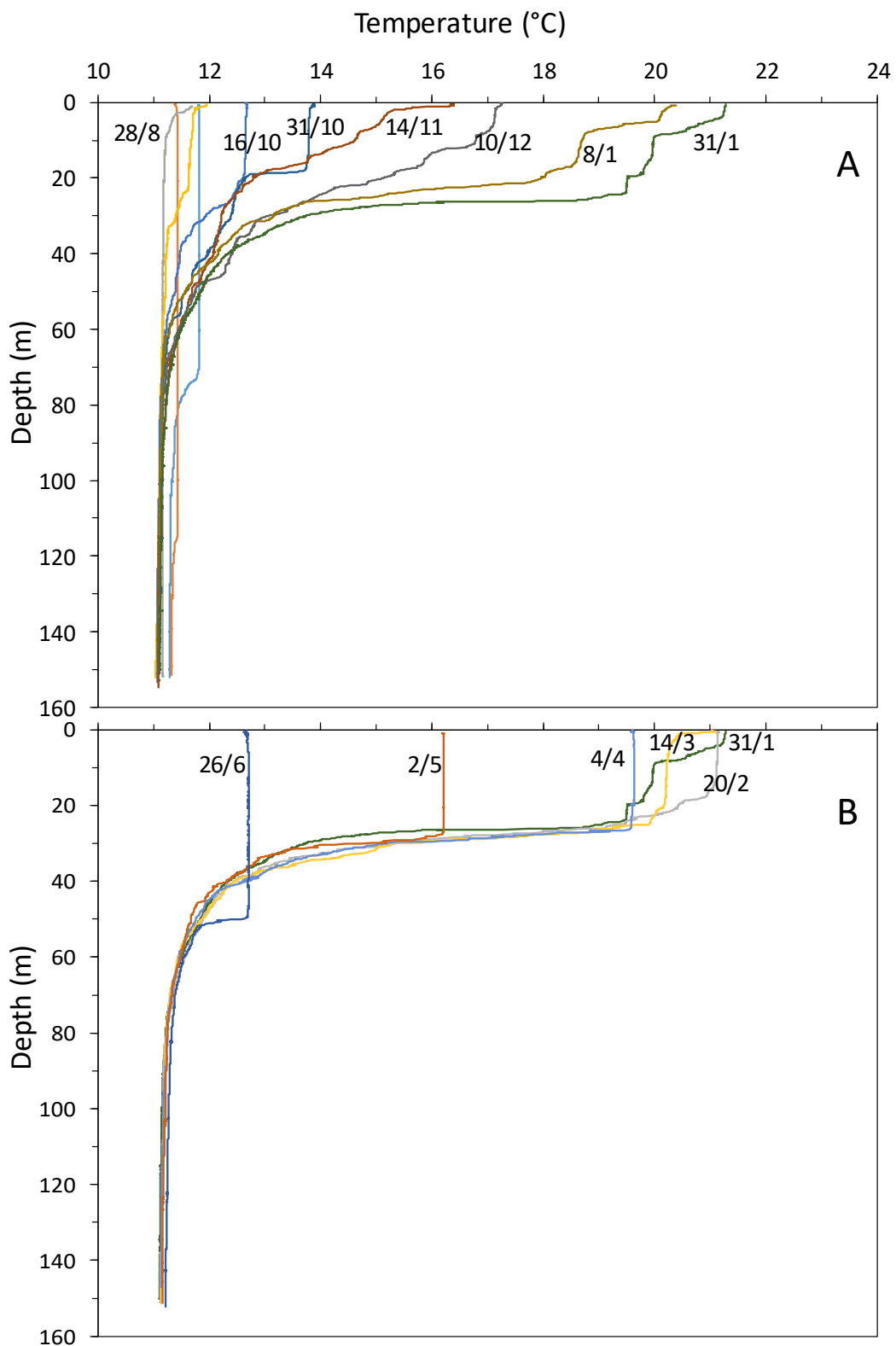


Figure 5: Temperature profiles. A) Cooling from 5 July to 28 August 2018, with the water column mostly isothermal on 25 July and 28 August 2018, followed by warming until 31 January 2019. B) Surface layer cooling, and deepening of the thermocline, from 31 January 2019 to 26 June 2019.

3.1.1 Trends in temperature and mixing

There have been no statistically significant trends since 1995 in summer (January-March), winter (July-September) or annual mean water surface temperatures (Figure 6), unlike many other lakes around the world (O'Reilly et al. 2015). The winter 2018 mean water surface temperature, 11.7°C, was 0.3°C above the long-term average and the summer 2019 mean, 20.9°C, was 1.5°C above the long-term average.

Vertical mixing in the water column during winters appears to have increased in Lake Taupo since 1994, which is the opposite of what would be expected in a deep lake in a warming climate (Verburg and Hecky 2009). Climate warming tends to result in lake surface temperatures warming faster than deep temperatures. In Lake Taupo, temperature differences between 20 m depth and 130 m depth ($T_{20m} - T_{130m}$) that were $<0.3^{\circ}\text{C}$ have occurred only in the months of July to October since 1995. $T_{20m} - T_{130m} < 0.2^{\circ}\text{C}$ has occurred as well in each of the months from July to October and in no other months. However, the decrease in the average $T_{20m} - T_{130m}$ in July-October (Figure 7) since 1995 was not statistically significant, unlike in past years until 2017 (Verburg and Albert 2018), and the 2018 winter value was well above the trend line. It must be kept in mind that the number of CTD casts per winter (July-October) were not the same between years (varied from a minimum of four in 1995 to a maximum of eight in 2005, average 5.7) and that CTD casts were not equally spaced in time through each winter period, which may have resulted in a bias. The Taupo Automatic Monitoring Buoy has provided water temperature profiles at fixed time intervals (Verburg 2016) with high frequency (1 minute) since March 2015, but that is too short for analysis of long-term changes in heat content and the mixing regime.

The winter mixing period, as defined by the time between first and last depth profile in which $T_{20m} - T_{120m}$ was $<0.3^{\circ}\text{C}$ (here the difference with temperature at 120 m depth was used instead of 130 m, to increase data availability, because of a few profiles that did not quite reach 130 m depth), appears to have increased (Figure 8, $R^2 = 0.15$), although the statistical significance of the trend is weak ($p < 0.1$). However, the mixing season in 2018, 34 days, was shorter than in most years since 2000, and below the long-term average of 42 days. It has decreased since 2014, when the winter mixing period (nearly 3 months) was the longest since 1995. This analysis is from necessity imprecise. On average there were 3.1 profiles per year where $T_{20m} - T_{120m}$ was $<0.3^{\circ}\text{C}$. In 1997 there was only one profile where $T_{20m} - T_{120m}$ was $<0.3^{\circ}\text{C}$. Therefore, the mixing period in 1997 is shown in Figure 8 as zero days. We don't know what temperature gradients may have been shortly before or after these dates or in the intervening periods. Therefore, the estimate of the duration of the mixing period is imprecise and is likely to be an underestimate. Data from the Taupo Automatic Monitoring Buoy, because of its far higher measurement frequency, are more suitable to derive estimates of the duration of the mixing period and its intensity. An alternative way of estimating the duration of the mixing period with the data available, is by adding half of the days between the first and last depth profile in which $T_{20m} - T_{120m}$ was $<0.3^{\circ}\text{C}$, and the previous and next depth profile (i.e., the last and first day when $T_{20m} - T_{120m}$ was $>0.3^{\circ}\text{C}$, respectively, before and after the winter mixing), shown in Figure 9. This method accounts for sometimes relatively long periods between profile dates. The winter mixing period in 2017 estimated this way was 55 days, below the average of 64 days. However, the trend estimated this way was not statistically significant.

Without further research it is not known what has driven the long-term changes in mean winter temperature depth gradients and the potential for mixing. Increased or prolonged winter mixing is likely to have had implications for algal growth in the lake. Lower mean winter temperature depth gradients allow a greater rate of return of nutrients, which accumulate during summer in the hypolimnion by decomposition of organic material produced in the epilimnion, back to the epilimnion where these nutrients are used by algae to grow. As a result, the algal biomass is greatest during winter in Lake Taupo and the mean algal biomass during winter is correlated with the mean winter temperature depth gradient (Figure 10).

There was a statistically significant correlation ($p < 0.05$) between the winter mean chlorophyll *a* and the winter mean temperature difference between 20 and 130 m depth (Figure 10), confirming that winters with low temperature gradients enhance algal growth. After the data for the winter of 2017 presented an outlier in this relationship, with higher mean winter chlorophyll *a* than expected from the temperature depth gradient, the data point for the winter of 2018 was close to the trend line. The inter-annual variability in winter mixing that has occurred since 1995 resulted in a more than two fold range in mean winter chlorophyll *a*. The finding of increased algal biomass as a result of increased potential for vertical mixing across years underlines the importance of a consistent long term monitoring program with sufficient sampling frequency.

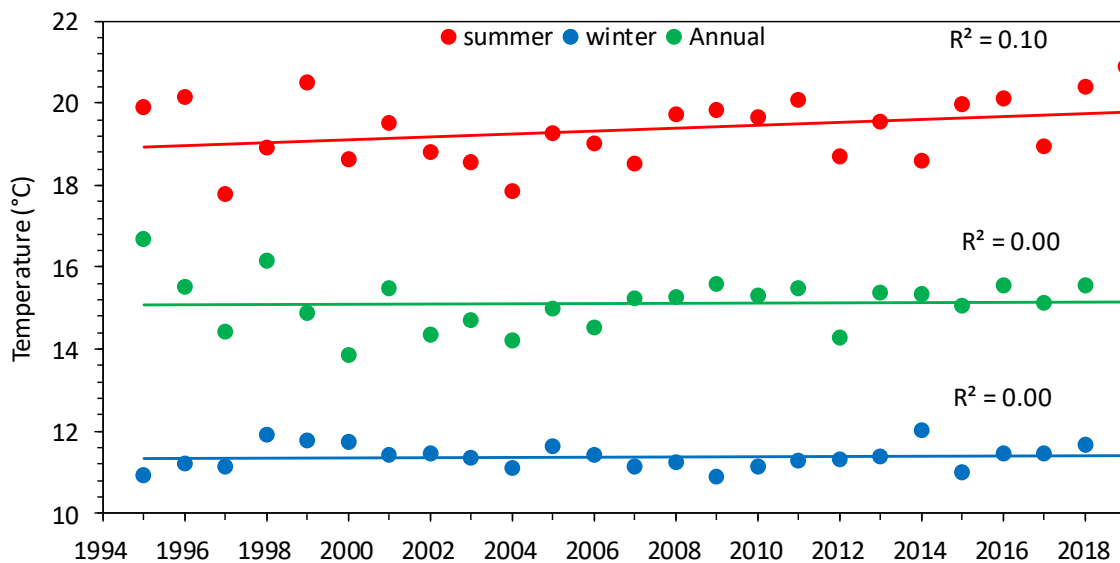


Figure 6: Water surface temperature trends. Mean winter (July-September), summer (January-March) and annual surface temperatures.

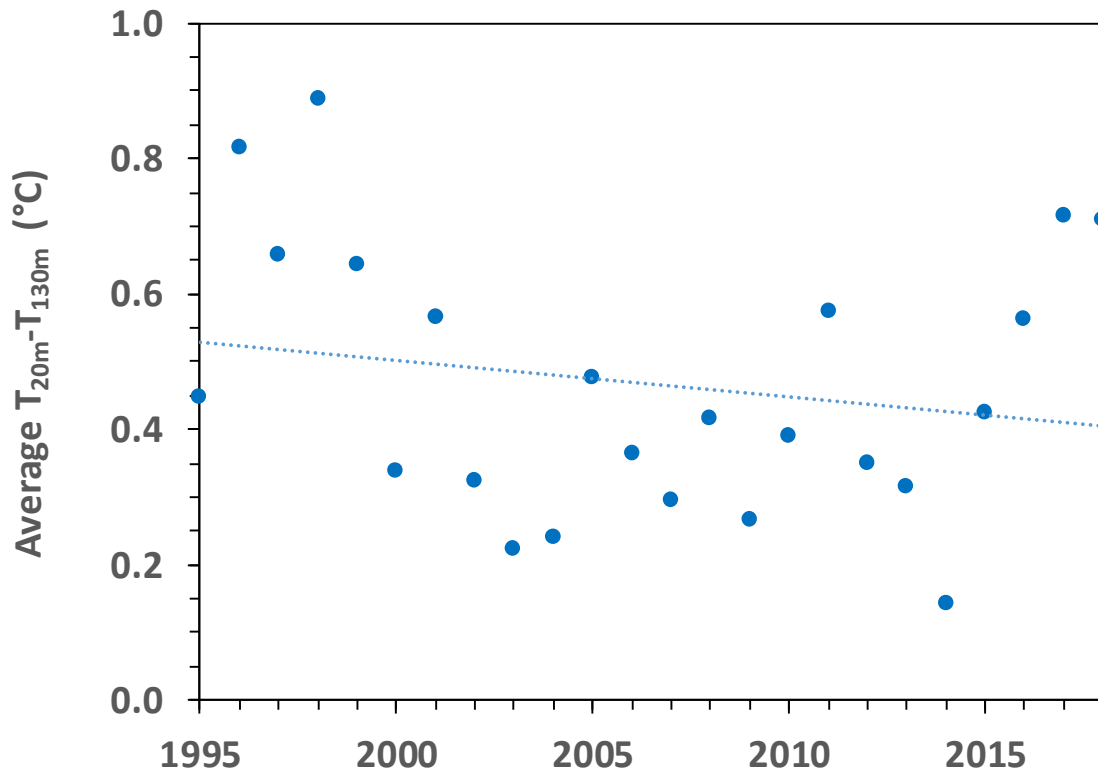


Figure 7: The average difference between temperatures at 20 m depth and at 130 m depth during July to October. The trend is not statistically significant.

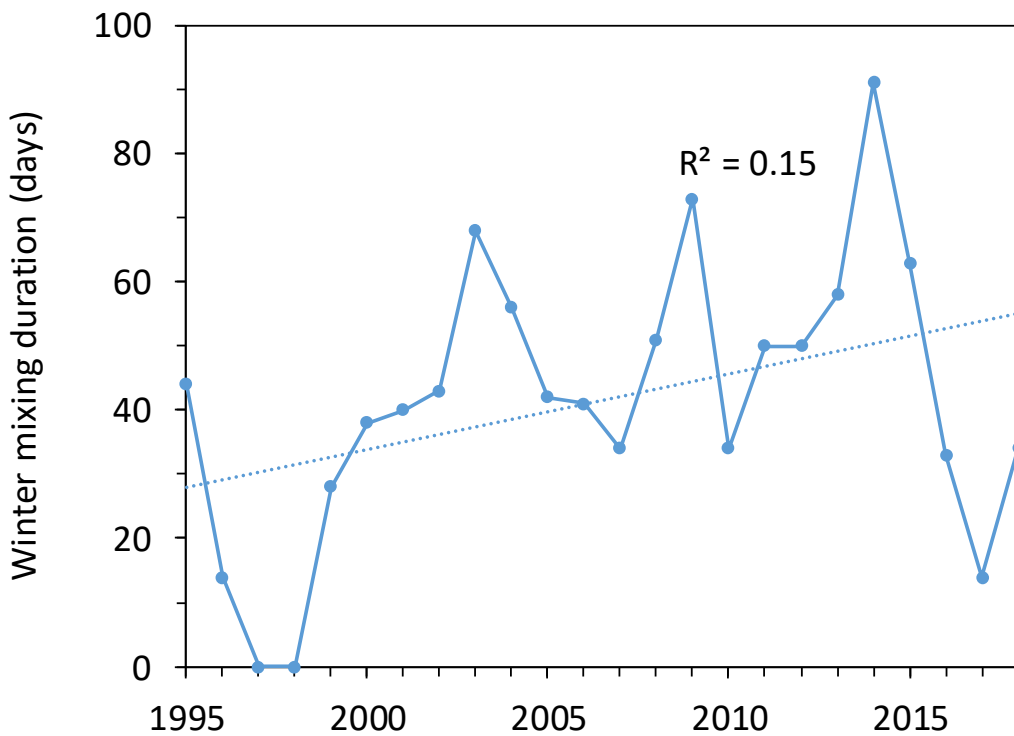


Figure 8: Number of days of winter mixing periods ($T_{20m} - T_{120m} < 0.3^{\circ}\text{C}$). $R^2 = 0.15$, $p < 0.1$.

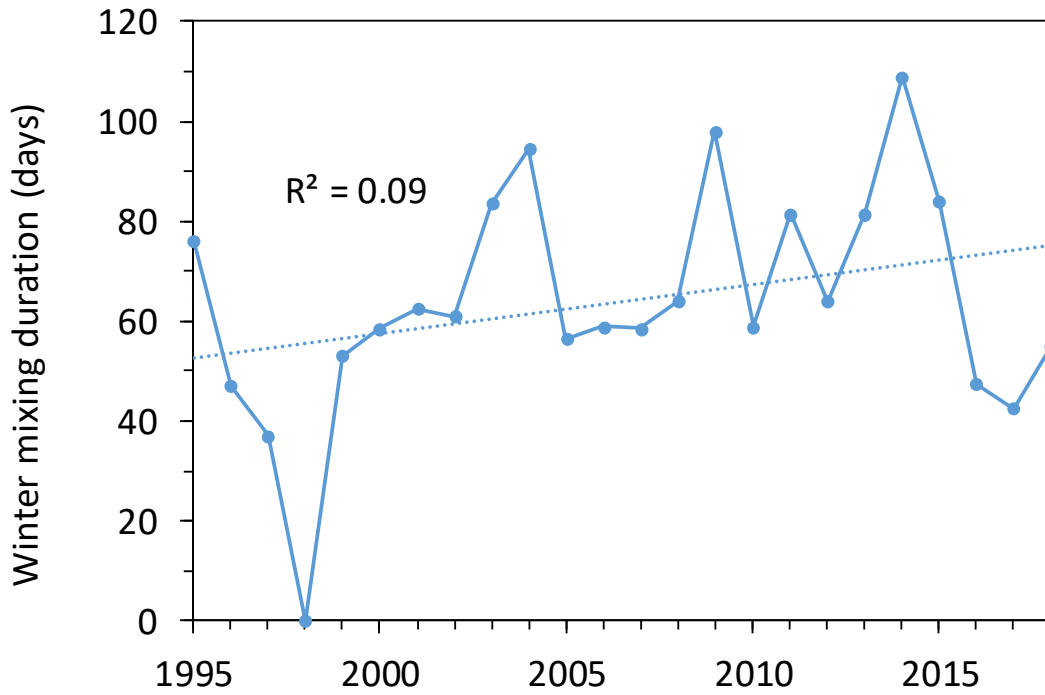


Figure 9: Number of days of winter mixing periods ($T_{20m}-T_{120m} < 0.3^{\circ}\text{C}$). Same as Figure 8, but including half of the days before the first mixed temperature profile, and half of the days after the last mixed temperature profile, until the next temperature profile. The trend is not statistically significant.

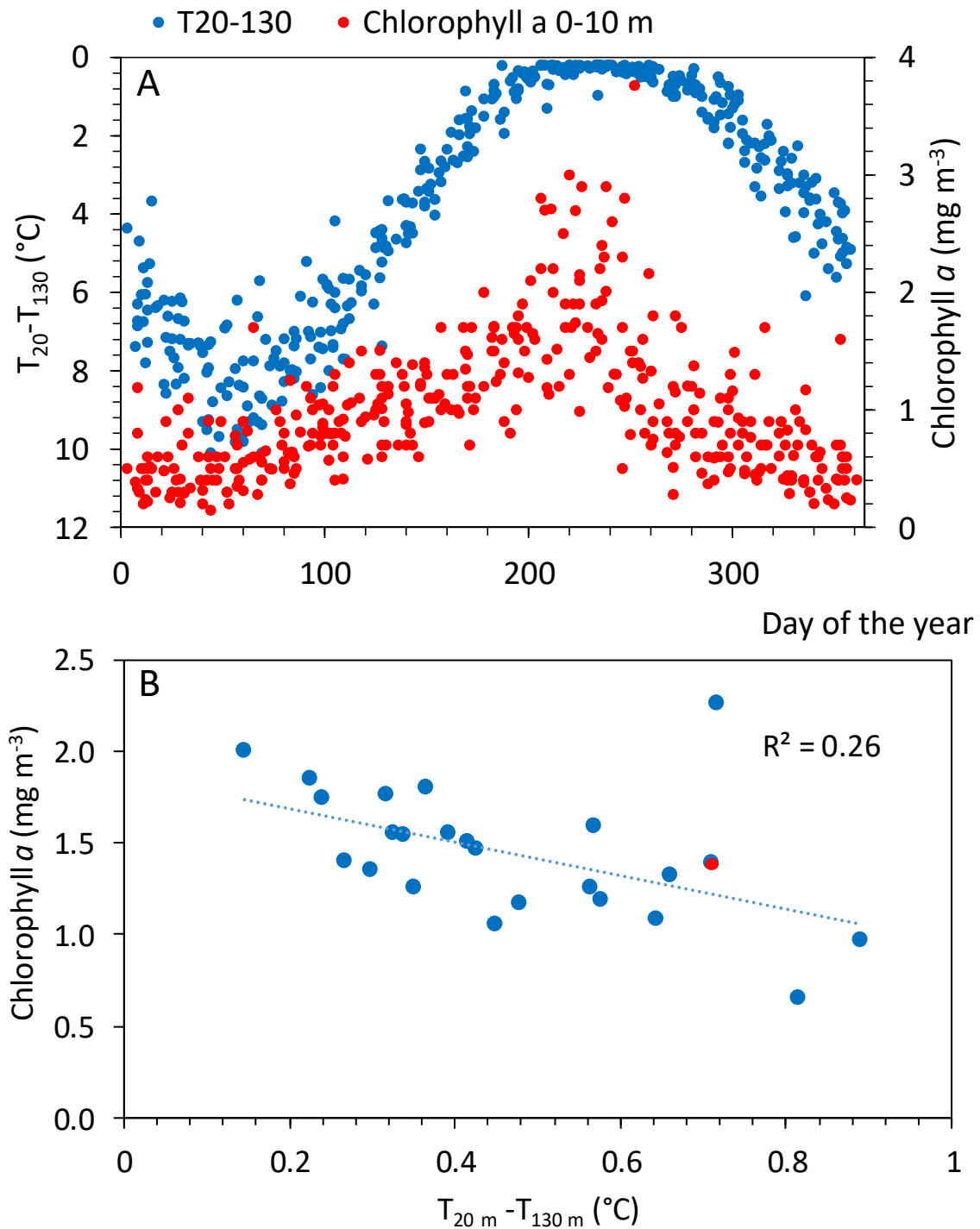


Figure 10: The relationship between water column stratification and chlorophyll *a*. Data since 1995. A. Chlorophyll *a* reaches peak values when the temperature difference between 20 and 130 m depth becomes smallest over the year. **B.** Winter (July-October) mean chlorophyll *a* concentration against the mean temperature difference $T_{20\text{m}} - T_{130\text{m}}$ during winter. Winter of 2018 indicated by red dot. $R^2 = 0.26$, $p < 0.05$.

3.2 Dissolved oxygen

During summer, dissolved oxygen decreases - in deep water because of consumption during decomposition of organic matter, and in shallower water because warmer water can contain less oxygen and a surplus is released to the atmosphere (Figure 11). Because Lake Taupo is large and has a long residence time (11 years), oxygen consumption is likely mostly based on autochthonous carbon, i.e., carbon fixed in the lake by phytoplankton, as opposed to organic matter entering from the catchment. During winter, dissolved oxygen increases in the bottom water because of mixing with shallower water richer in oxygen. Since 1994 dissolved oxygen during summer rarely dropped below 6.5 g m^{-3} at any depth. However, in the present monitoring year during July 2018 oxygen at 150 m dropped to 6.4 g m^{-3} , before winter mixing increased the bottom water oxygen concentrations. Oxygen concentrations in the hypolimnion had only been lower in 2001. Dissolved oxygen in the hypolimnion reached a maximum in August 2018, during the winter mixing, and thereafter declined until it was 7.2 g m^{-3} at 130 m depth and 7.1 g m^{-3} at 150 m depth in June 2018.

Figure 12 shows the average concentrations of oxygen in the water column were highest during winter, as expected. Unlike the previous year, oxygen was thoroughly mixed throughout the water column in the winter of 2018. Full column mixing replenished oxygen concentrations in the deeper parts of the hypolimnion after declining during the previous summer. Oxygen concentrations in the hypolimnion started to decrease from about September 2018 and continued to decrease until June 2019. Figure 12 also shows the relatively high dissolved oxygen at around 30 m depth during summer, just above the depth of the deep chlorophyll maximum.

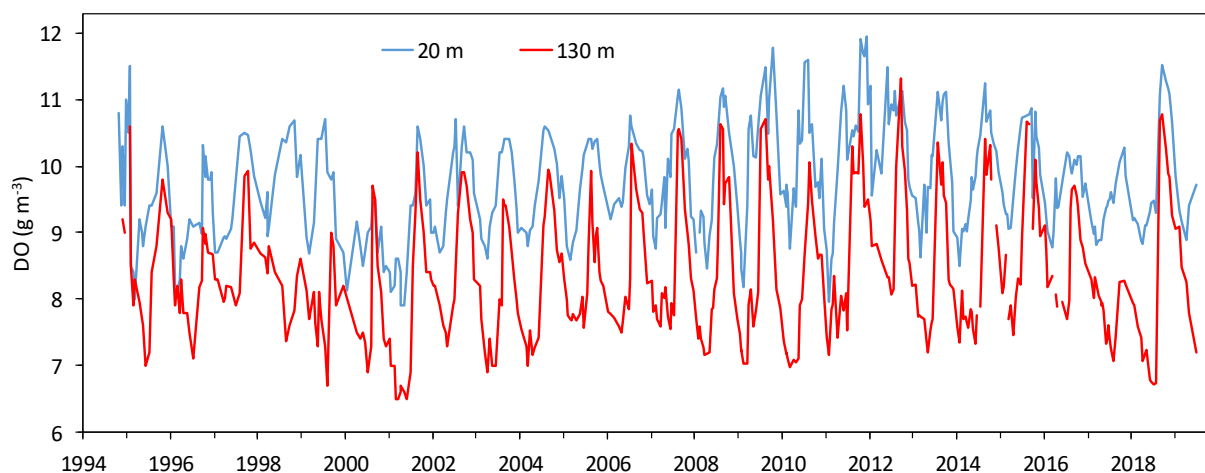


Figure 11: Dissolved oxygen at 20 m and 130 m depth.

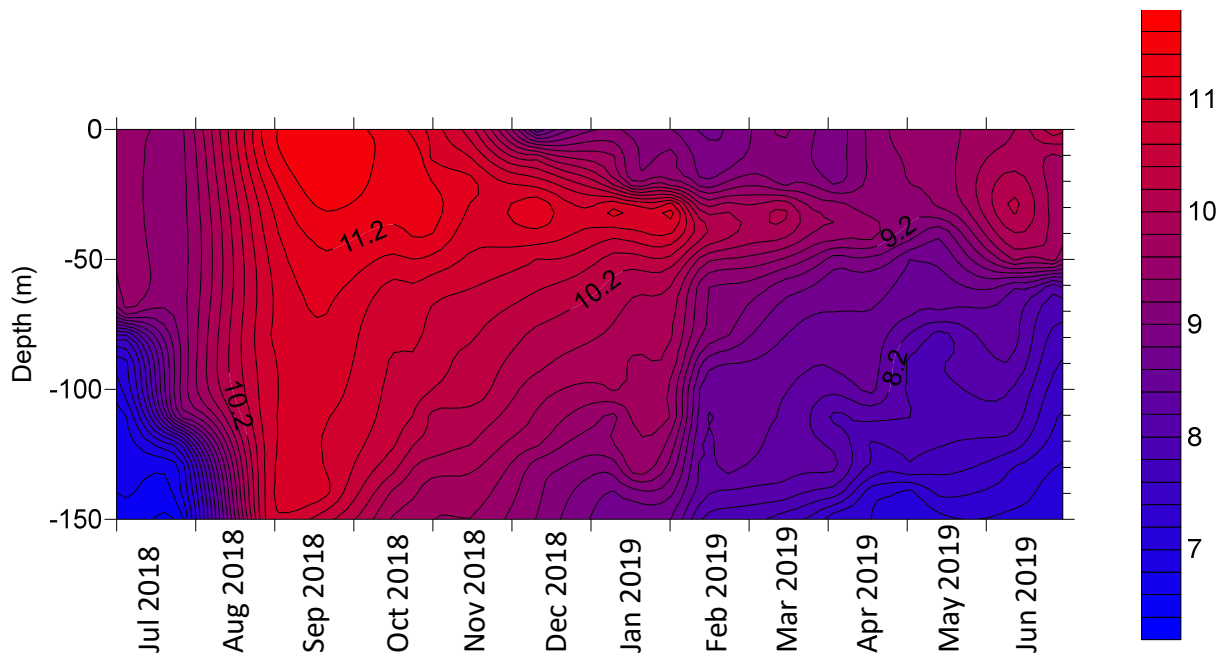


Figure 12: Contour plot of oxygen (g m^{-3}), July 2018 – July 2019.

Deep water annual minimum oxygen concentrations were low in this monitoring year. While they were increasing between 1999 and 2016 (Figure 13), they have been decreasing since 2016. The annual minima at 110, 130 and 140 m were only lower in 2001.

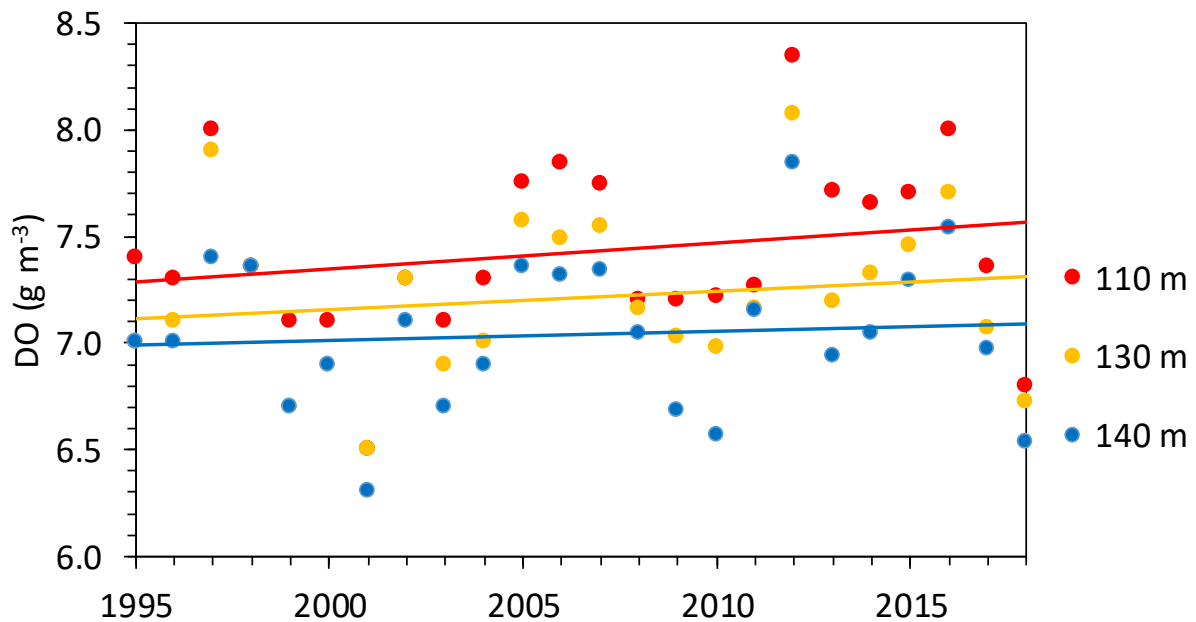


Figure 13: Annual minimum dissolved oxygen concentrations. Trends of minimum oxygen concentrations in the hypolimnion are not statistically significant.

3.3 Secchi depth

In this monitoring year, because of logistical issues Secchi depth was not measured in August and September 2018, the months when it is usually lowest, typically coinciding with the maximum chlorophyll *a* concentration.

Secchi depth was highest in February 2019 (23 m), which is 4 m higher than the previous monitoring year (Figure 14 and Figure 17), coinciding with fairly low chlorophyll *a* (0.3 mg m^{-3} , similar to the minimum in the previous monitoring year). The maximum Secchi depth was above the long-term annual mean maximum Secchi depth, 19.3 m. There has been no statistically significant trend in annual mean Secchi depth nor in annual maximum or minimum Secchi depth, or in the difference between the annual minimum and maximum, over the period since 1994.

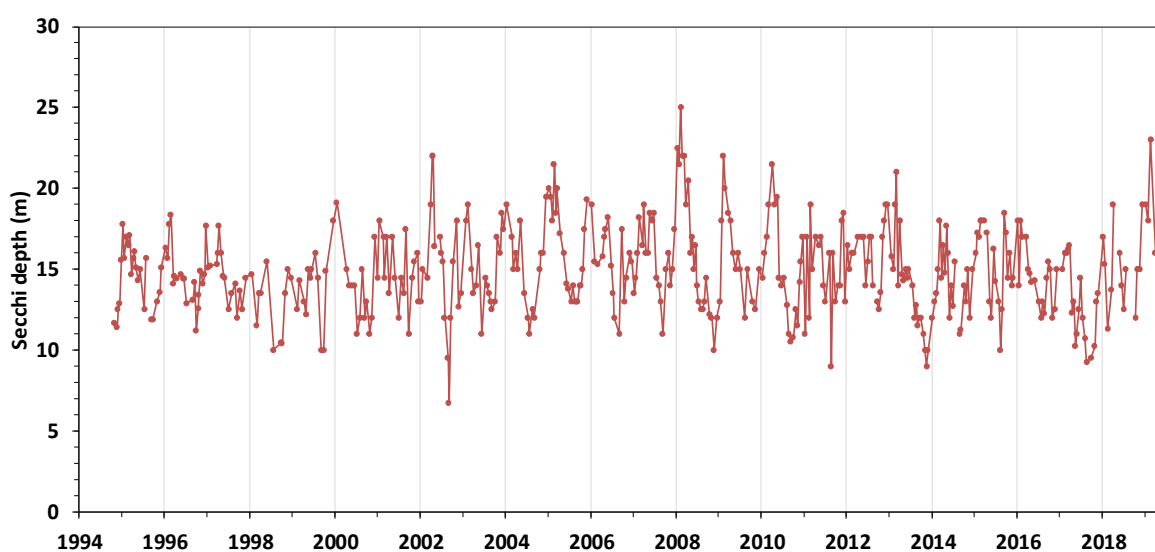


Figure 14: Time series of Secchi depth.

3.4 Phytoplankton

The maximum chlorophyll *a* concentration measured in July 2018 was 2.6 mg m⁻³ (Figure 15 and Figure 17). Mean chlorophyll *a* during winter (July-October) was 1.4 mg m⁻³. The three highest chlorophyll measurements coincided with the lowest Secchi depths in the monitoring year. The maximum at 50 m depth was higher than recorded in most years (Figure 15). Chlorophyll was low, below 1 mg m⁻³, from October 2018 to May 2019 (Figure 17). There was a reasonable inverse correlation between annual means of Secchi depth and chlorophyll *a* concentrations after 2000 ($R^2 = 0.35$). Chlorophyll *a* concentrations were lower between 1995 and 2000. There has been no statistically significant trend in chlorophyll *a* concentration since 2000 (Figure 18). There was no statistically significant trend in the day of the year at which chlorophyll *a* was highest and the average day was 14 August. The annual maximum chlorophyll at 50 m depth is correlated with chlorophyll at 0-10 m ($R^2 = 0.72$), but the minima are not correlated. This is because when chlorophyll is at its maximum, during winter, the water column is typically well mixed. Therefore, typically only during summer are chlorophyll concentrations at 30 to 50 m depth higher than in the surface layer.

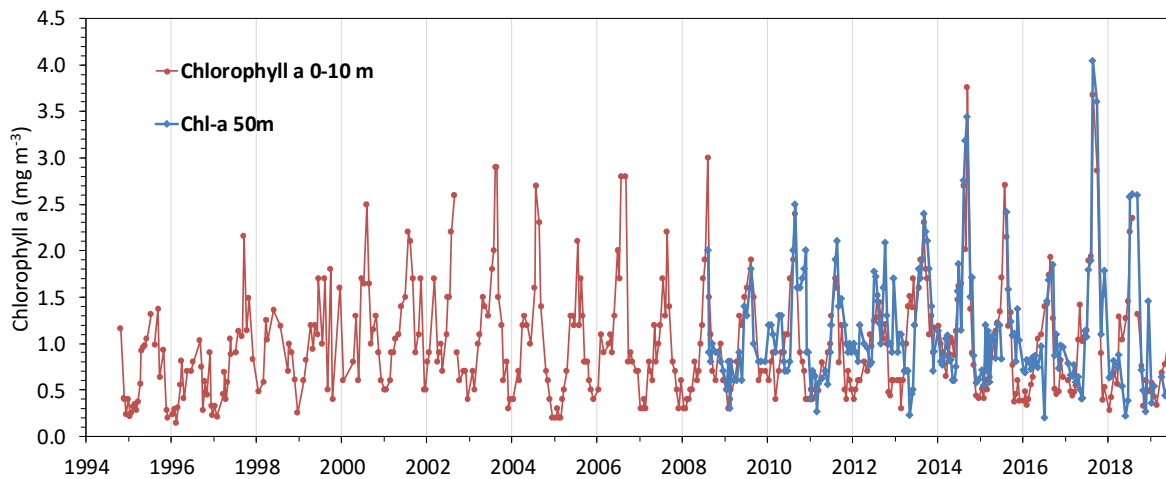


Figure 15: Time series of chlorophyll *a* concentrations.

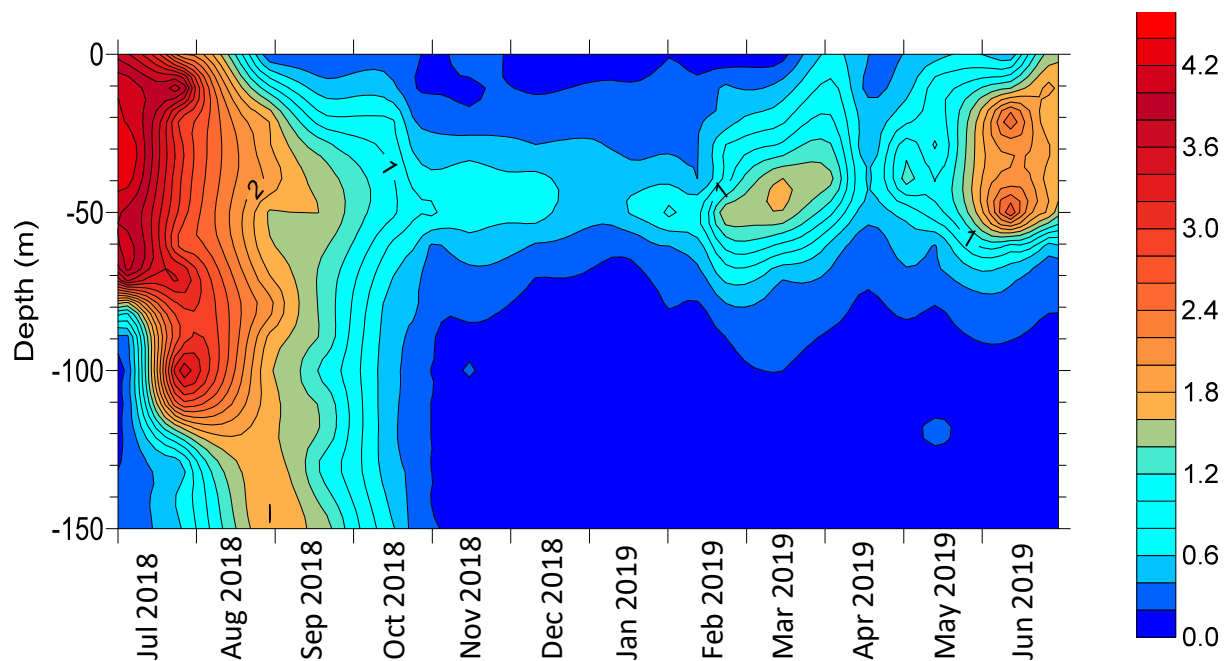


Figure 16: Contour plot of *in situ* chlorophyll fluorescence. July 2018 – June 2019. Showing the deep chlorophyll maximum at about 50 m depth during summer, and the partially mixed water column with relative high fluorescence during winter.

During summers a distinct peak in chlorophyll *a* occurs well below the thermocline, at around 30-50 m depth (Figure 16), the deep chlorophyll maximum (DCM). During winters chlorophyll increases and is typically more homogeneous through the water column. Figure 16 also shows the low chlorophyll during summer in the surface layer.

Below the euphotic zone, by definition, no net productivity by algal cells can occur. Below a certain depth, there is not enough light for photosynthesis to balance respiration. It is usually assumed, as a rule of thumb, that the depth at which light is less than 1% of that at the surface, is the depth of the euphotic zone. In Lake Taupo this is typically around 40-60 m depth (Leach et al. 2018).

3.5 Nutrients in the upper water layer

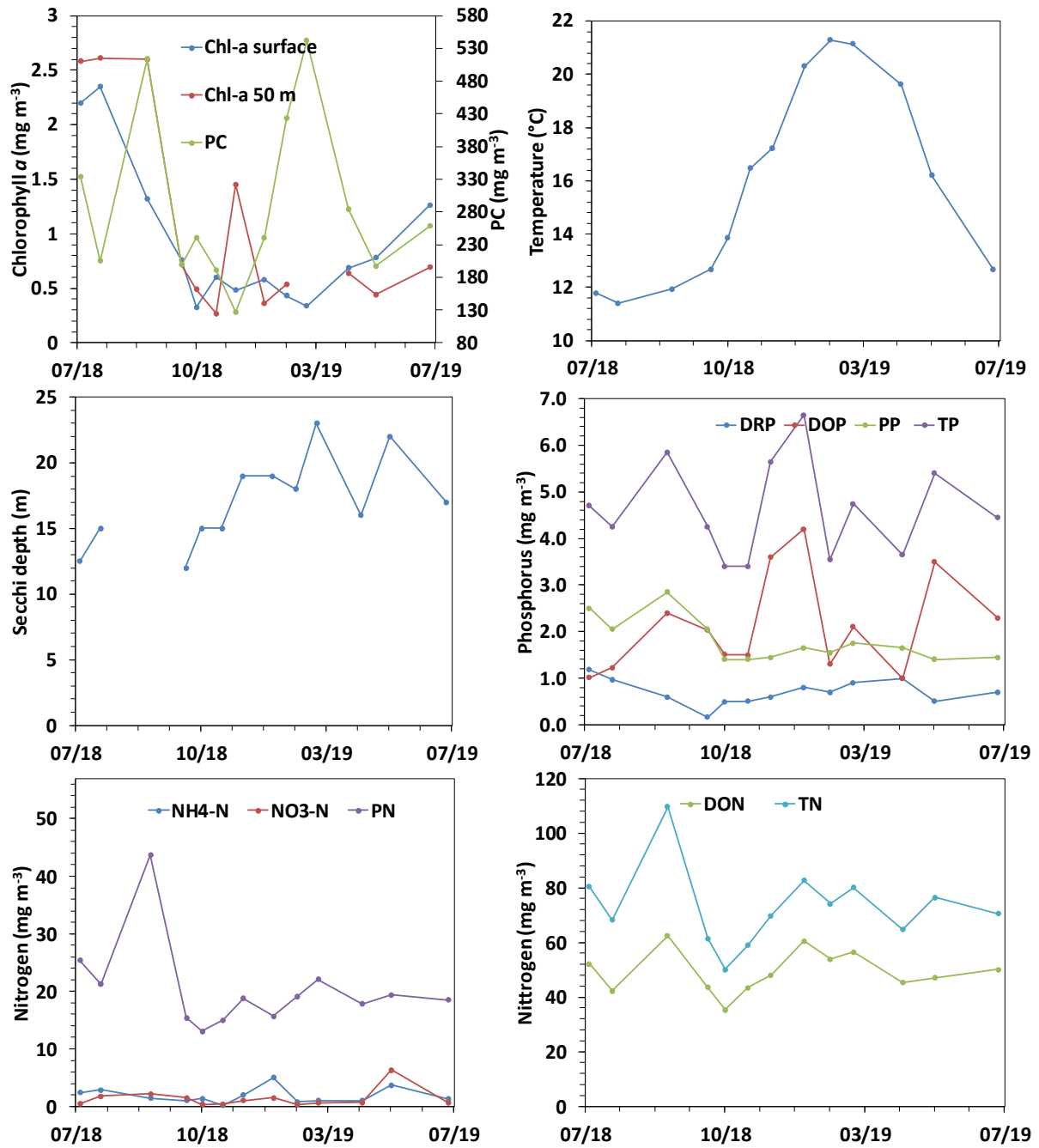


Figure 17: Temperature, Secchi depth, and concentrations of nutrients and chlorophyll *a* in the upper 10 m water layer during 2018-2019.

Seasonal patterns in nutrients in 2018-2019 are shown in Figure 17. Concentrations of PN and PP were highest in September.

Total, dissolved organic and particulate nitrogen peaked in 2013 (Figure 18) and decreased almost every year since then. Also, total phosphorus, and its various forms, have declined since 2013.

Table 1: Mean water quality variables since 1995, compared with this monitoring year's values.

Averages of the 0-10 m layer (units: m for Secchi depth and mg m⁻³ for remaining variables). W:A is the ratio (in %) of the winter value to the annual mean value, showing the proportional increase or decrease during winter.

| Variable | 1995-2018 | | | | 2018-2019 | | | |
|----------------------|-----------|--------|--------|-----|-----------|--------|--------|-----|
| | Winter | Summer | Annual | W:A | Winter | Summer | Annual | W:A |
| Chlorophyll <i>a</i> | 1.6 | 0.5 | 1.0 | 68 | 2.0 | 0.4 | 0.9 | 110 |
| Secchi depth | 13.0 | 16.7 | 14.9 | -13 | 13.8 | 20.0 | 17.0 | -19 |
| TP | 6.0 | 4.7 | 5.3 | 14 | 4.9 | 5.0 | 4.6 | 7 |
| TN | 84.6 | 86.7 | 83.4 | 2 | 86.1 | 79.0 | 72.9 | 18 |
| DRP | 1.5 | 0.8 | 1.1 | 36 | 0.9 | 0.8 | 0.7 | 31 |
| NO ₃ -N | 2.1 | 0.7 | 1.1 | 87 | 1.5 | 0.8 | 1.4 | 9 |
| PP | 2.6 | 1.7 | 2.1 | 23 | 2.5 | 1.7 | 1.8 | 39 |
| PN | 25.3 | 21.2 | 22.7 | 12 | 30.1 | 19.0 | 20.4 | 48 |
| PC | 237.0 | 238.8 | 230.7 | 3 | 350.5 | 401.8 | 288.7 | 21 |

TP, DRP and NO₃-N in winter 2018-2019 were lower than average (Table 1) and were lower than during the winters in the 5 preceding years. TN in winter 2018-2019 was slightly higher than average. However, summer and annual means of TN in 2018-2019 were below average.

Since 1995, PP, PN, and PC were typically higher during winter than during summer, consistent with higher chlorophyll *a* and lower Secchi depth. However, this was not the case for PC in 2018-2019. The difference between winter and summer values is on average more pronounced for PP than for PN, but this was not the case in 2018-2019 (see seasonal ratios in Table 1).

Chlorophyll *a*, PN and PC were higher in the winter of 2018 than the average in previous years.

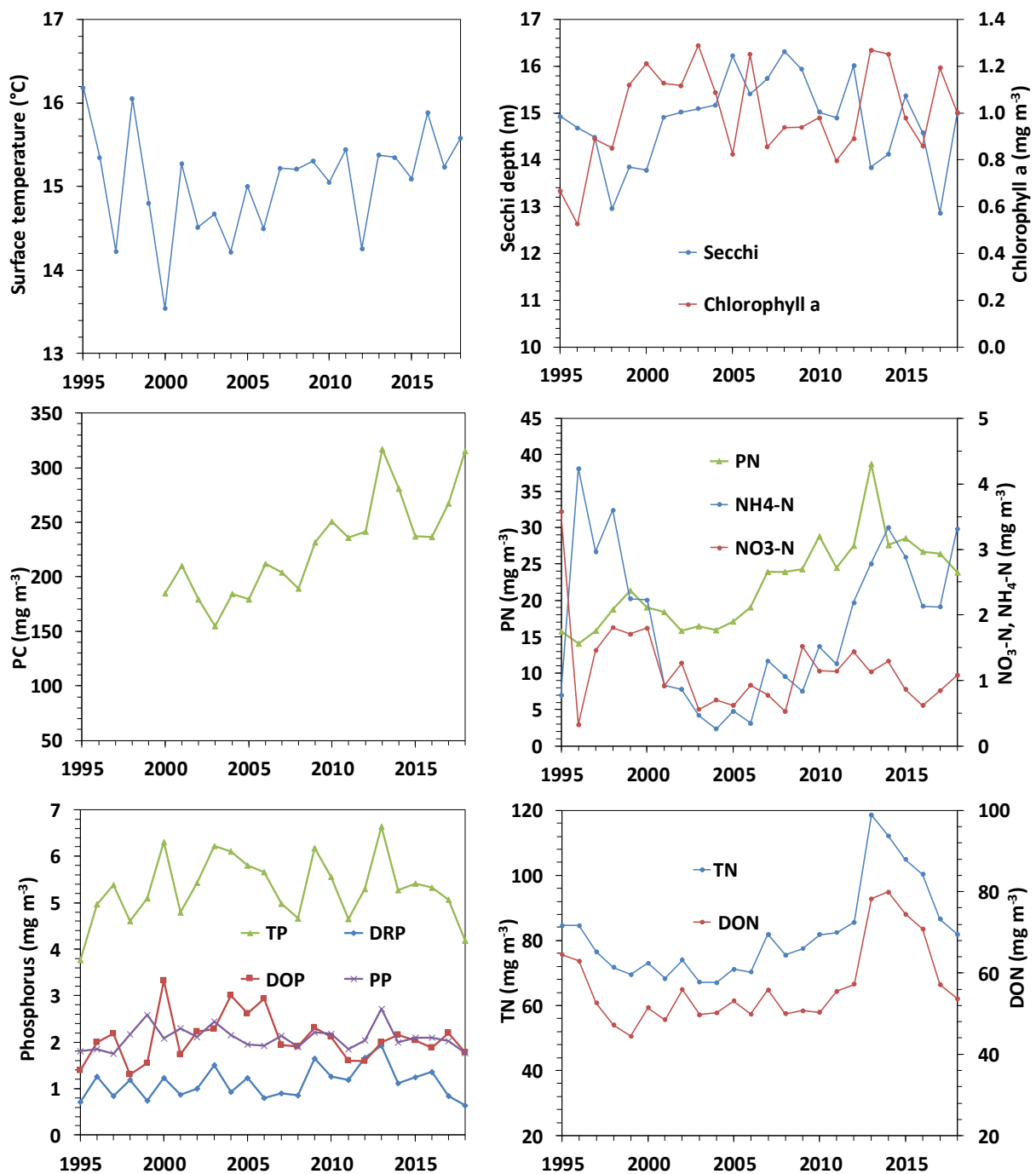


Figure 18: Annual means for temperature, Secchi depth, and concentrations of nutrients and chlorophyll *a* in the upper 10 m water layer since 1995.

3.6 Nutrient accumulation in the hypolimnion

During summer when the lake is stratified (i.e., does not mix vertically) organic material sinks out from the phototrophic layer followed by decomposition in bottom water. As a result, dissolved nutrients (mainly NO₃-N and DRP) accumulate in the hypolimnion. During the winter overturn, these accumulated nutrients are mixed through the entire water column and their concentrations drop in the hypolimnion. In contrast, NH₄ concentrations in the bottom water often increase during the

winter overturn because of mixing with shallower water where NH_4 concentrations are higher during summer than in the hypolimnion. Whereas NO_3 gets mixed upward during winter, NH_4 gets mixed down in the water column. During summer, $\text{NH}_4\text{-N}$ concentrations in bottom water remain low probably because of nitrification at the sediment-water interface. $\text{NO}_3\text{-N}$ and DRP accumulate in a low ratio (around 5), as a result of denitrification.

Longer mixing seasons may result in higher wintertime algal biomass by delaying the accumulation of dissolved nutrients in the bottom water in spring and keeping them available for algal growth in the surface layer, explaining the correlation between the mean winter temperature depth gradient and wintertime chlorophyll concentrations (Figure 10B).

The maximum hypolimnetic $\text{NO}_3\text{-N}$ and DRP concentrations reached before the winter mixing started in August 2018, were above average for $\text{NO}_3\text{-N}$ and below average for DRP (Figure 19). The low hypolimnetic nutrient concentrations during winter in 2018 suggested complete mixing during the winter period, as was also shown by temperatures and oxygen, and unlike the previous monitoring year. There was an unusually high peak in $\text{NH}_4\text{-N}$ concentration in October, soon after the mixing. In June 2019 the DRP concentration (30 mg m^{-3}) almost twice the highest annual maximum that has been measured to date (16 mg m^{-3}). Although hypolimnetic concentrations are expected to be high around this time, the exceptionally high DRP concentration is difficult to explain because $\text{NO}_3\text{-N}$ was unusually low (0.5 mg m^{-3}) in the same sample. However, the $\text{NH}_4\text{-N}$ concentration was also high in this sample (9 mg m^{-3}).

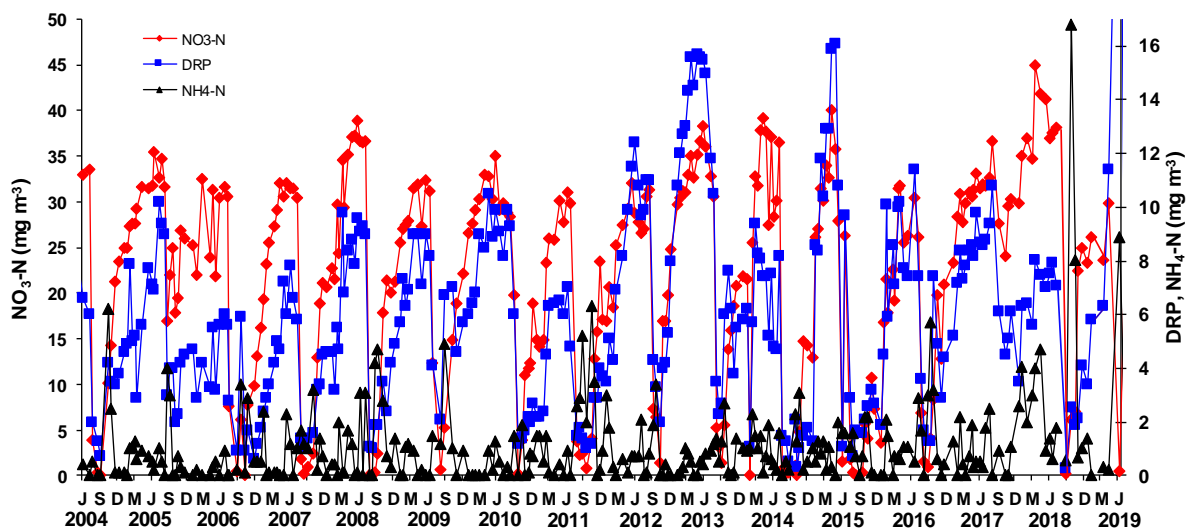


Figure 19: Time series bottom water nutrient data. DRP , $\text{NO}_3\text{-N}$ and $\text{NH}_4\text{-N}$ concentrations in the hypolimnion (150 m depth) of Lake Taupo since winter mixing of 2004. The DRP concentration of 30 mg m^{-3} on 26 June 2019 is outside the range of the right vertical axis.

4 Summary

The maximum water temperature at 10 m depth in the summer of 2019 was 21.1°C, lower than the previous year (21.7 °C, the highest on record), while the maximum surface temperature (21.3°C) was above the average (20.4 °C).

The winter water temperature minima at 0 and 10 m depth in the winter of 2018 (11.4°C and 11.2°C, respectively) were higher than all years since records start, with the exception of two years (1998 and 1999). Nevertheless, oxygen concentrations, temperatures and bottom water nutrient concentrations indicated full water column mixing in the winter of 2018, unlike the previous monitoring year. The mixing season, as defined by the water column temperature gradient, lasted about 5 weeks. However, the average temperature difference between surface and bottom water layers during winter was above the long-term average. As was the case in previous monitoring years, mixed layers and the thermocline were most clearly defined in the cooling part of the year, from February to June.

The winter 2018 mean water surface temperature, 11.7°C, was 0.3°C above the long-term average and the summer 2019 mean, 20.9°C, was 1.5°C above the long-term average. However, there were no statistically significant trends since 1995 in summer (January-March), winter (July-September) or annual mean water surface temperatures.

During July 2018 oxygen at 150 m dropped to 6.4 g m⁻³, before winter mixing increased the bottom water oxygen concentrations. Oxygen concentrations in the hypolimnion had only been lower in 2001.

There was a statistically significant correlation between the winter mean chlorophyll *a* and the winter mean temperature difference between shallow and deep water layers, with low temperature gradients during winters associated with enhanced algal growth. Longer mixing seasons may result in higher wintertime algal biomass by delaying the accumulation of dissolved nutrients in the bottom water in spring and keeping them available for algal growth in the surface layer, explaining the correlation between the mean winter temperature depth gradient and wintertime chlorophyll concentrations.

Secchi depth was highest in February 2019, 23 m, which is 4 m higher than the previous monitoring year, coinciding with fairly low chlorophyll *a* (0.3 mg m⁻³, similar to the minimum in the previous monitoring year). The maximum Secchi depth was above the long-term annual mean maximum Secchi depth, 19.3 m.

Total, dissolved organic and particulate nitrogen peaked in 2013 and decreased almost every year since then. Also, total phosphorus, and its various forms, has declined since 2013.

The maximum hypolimnetic $\text{NO}_3\text{-N}$ and DRP concentrations reached before the winter mixing started in August 2018, were above average for $\text{NO}_3\text{-N}$ and below average for DRP . The low hypolimnetic nutrient concentrations during winter in 2018 suggested complete mixing during the winter period, as was also shown by temperatures and oxygen, unlike the previous monitoring year. In June 2019 an hypolimnetic DRP concentration was recorded (30 mg m^{-3}) almost twice the highest annual maximum recorded to date (16 mg m^{-3}). Although hypolimnetic concentrations are expected to be high around this time, the exceptionally high DRP concentration is difficult to explain as in the same sample $\text{NO}_3\text{-N}$ was unusually low (0.5 mg m^{-3}). However, the $\text{NH}_4\text{-N}$ concentration was also high in this sample (9 mg m^{-3}).

5 Acknowledgements

Heath Cairns and employees of the Taupo Harbourmaster's Office carried out the field work.

Water samples were processed in the NIWA chemistry laboratory and analytical results were provided by Graham Bryers, Margaret McMonagle, and team. Quality control was provided by Mike Crump, Lab Manager. Phytoplankton dominance and enumeration results were provided by Karl Safi and Helen Bridger from NIWA Algal Services.

6 Glossary of abbreviations and terms

| | |
|------------------------|--|
| BOD | Biochemical Oxygen Demand: the rate of oxygen consumption associated with biological decomposition and chemical processes and in the water column. |
| VHOD | Volumetric Hypolimnetic Oxygen Demand: the net rate of oxygen loss associated with biological, chemical and physical processes in the hypolimnion of a lake in the absence of a temperature change. |
| Phytoplankton | Microscopic free-floating aquatic plants (algae). |
| Cyanobacteria | Blue-green algae. These are potentially toxic. They can adjust their depth in the water column using small gas bladders (gas vacuoles), and some species can use (i.e., fix) atmospheric nitrogen for growth when nutrient nitrogen in the water column is depleted. |
| Zooplankton | Small to microscopic free-swimming aquatic animals which graze on phytoplankton or smaller zooplankton. |
| Biomass | The living mass of the phytoplankton or zooplankton populations. |
| Thermal stratification | Separation of a water column into two layers by temperature – warmer water on top. |
| Thermocline | The boundary zone or temperature gradient between the two layers in a thermally stratified water column. |
| Epilimnion | The upper water column in a thermally stratified water column. |
| Hypolimnion | The lower water column in a thermally stratified water column. |
| Metalimnion | The thermocline zone — of variable thickness. |
| Euphotic zone | The upper water column in which there is sufficient light for photosynthesis and hence phytoplankton growth. |
| Euphotic depth | Lower limit of phytoplankton growth where light levels are 1% of surface irradiance. |
| Hydrothermal eruption | Sudden release of superheated water from volcanic vents in the bed of the lake. The source is most likely infiltrating lake water heated by hot rocks. The heated water includes dissolved salts leached from the rocks and sediment. |
| Nutrients | Essential dissolved inorganic nitrogen and phosphorus compounds which can be used directly by plants for growth. |
| Ammoniacal nitrogen | Sum of ammonium ion (NH_4^+) plus free (unionised) ammonia (NH_3). Some amines (NH_2^-) may be included as interference during analysis. Symbol, $\text{NH}_4\text{-N}$. |
| Nitrate nitrogen | Used in this report as the sum of nitrate (NO_3^-) plus nitrite (NO_2^-). Symbol, $\text{NO}_3\text{-N}$. |

| | |
|---------------|--|
| DIN | Dissolved Inorganic Nitrogen: the sum of $\text{NH}_4\text{-N}$ + $\text{NO}_3\text{-N}$. |
| DON | Dissolved Organic Nitrogen: the soluble nitrogen other than DIN. |
| PN | Particulate Nitrogen: includes phytoplankton and other detritus. |
| TN | Total Nitrogen: Sum of DIN + DON + PN. |
| NO_x | Gaseous oxides of nitrogen, including N_2O , NO, NO_2 . |

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Appendix 1 - Site map, sampling strategy and methods

Site map

Lake monitoring sites were originally established using land-based markers (Figure 20). These have now been defined using GPS and corrected for curvature using WGS84 convention.

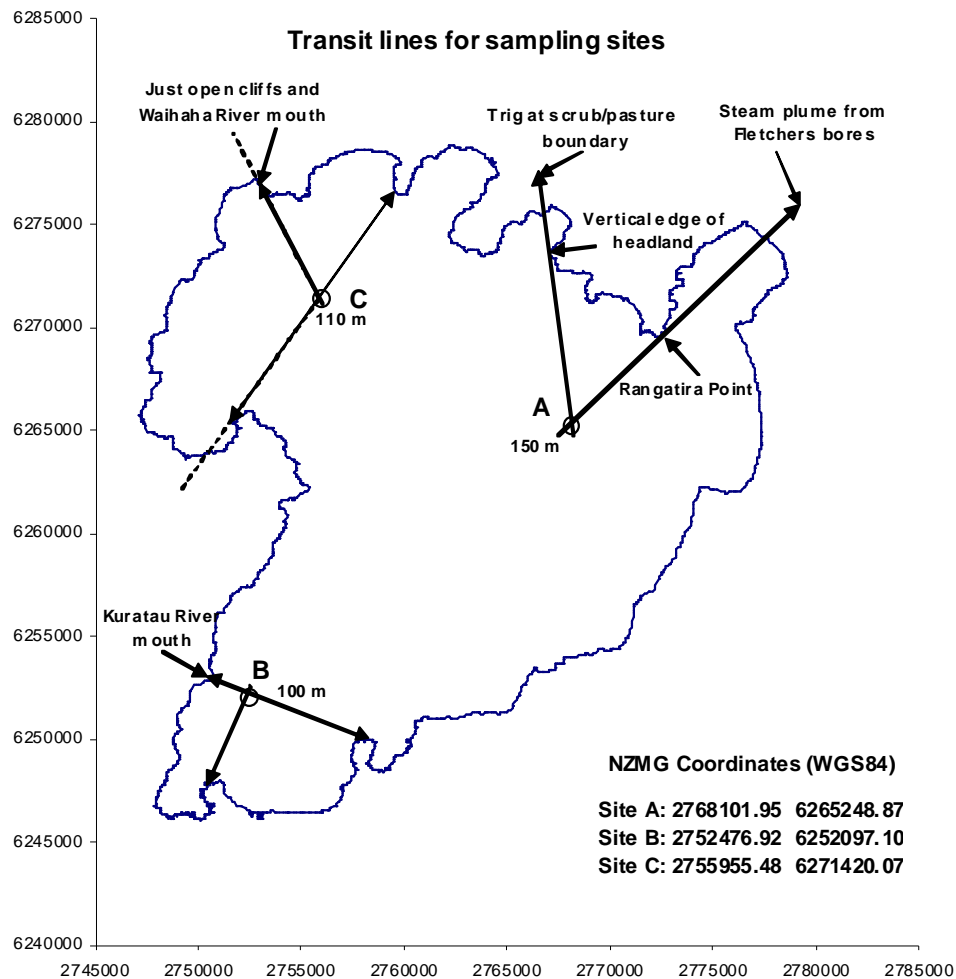


Figure 20: Site map of Lake Taupo. Site map of Lake Taupo showing location of the routine monitoring site at mid lake (A). Two additional sites at Kuratau Basin (B) and the Western Bays (C) were sampled between January 2002 and December 2004 inclusive. Data from those sites have been retained with the Site A data presented in the appendices. Map coordinates are in NZ Map Grid with WGS84 correction. Lat. Long WGS 84 corrected co-ordinates of "Site A" are 38° 46'.810 S; 175° 58'.440 E.

The following section has been copied from Gibbs 1995, and was modified after 1998.

Methods

The sampling site was selected in the central basin of Lake Taupo (Site Map) with a water depth of about 160 m. This site is more than 5 km from the nearest land.

For the monitoring of Lake Taupo, which mixes in winter between July and October, a full water column sampling is carried out in spring, to give sufficient time for thermal stratification to establish a stable hypolimnion. Autumn sampling is generally done in April, before lake surface cooling breaks down the thermocline leading to the winter mixing.

At each of these biannual samplings, a detailed profile of DO and temperature was measured. Prior to 1998, measurements were made at 1 m depth intervals through the full depth of the water column using an in situ recording Applied Microsystems STD-12 profiler fitted with a Royce DO sensor, and compared with manual measurements of DO and temperature made at 10 m depth intervals from the surface to the bottom of the lake using a Yellow Springs Instrument (YSI) model 58 dissolved oxygen meter fitted with a stirred Model 5739 probe on a 160 m cable. Subsequent to 1998, a Richard Brancker Research (RBR) model TD410 conductivity-temperature-depth (CTD) profiler fitted with a stirred YSI model 5739 DO sensor was used. In January 2002, the TD410 CTD profiler was upgraded to an RBR model XR420f freshwater CTD profiler fitted with the YSI model 5739 DO sensor and a Seapoint chlorophyll fluorescence probe. The DO sensor was calibrated regularly by NIWA, Rotorua staff and chlorophyll fluorescence was converted to chlorophyll *a* from extracted chlorophyll *a* analyses of water samples collected beside the profiler.

In January 2008, the XR420f profiler was upgraded to a RBR model XR620f freshwater profiler/logger with improved sensitivity. The new profiler is fitted with a Sea Point chlorophyll fluorescence probe and a Li-Cor underwater photosynthetically active radiance (PAR) sensor to measure in situ light levels and light extinction (K_d) associated with the vertical distribution of algal biomass within the lake water column. In the new system the YSI dissolved oxygen (DO) sensor was replaced with an Oxyguard DO sensor, with a temperature sensor, fitted to a separate RBR logger attached to the profiling frame.

Cross-calibration between the two profilers confirmed the quality of the data and the XR420f was retained as a back-up.

In February 2016 the depth profiler was upgraded to a RBR Maestro profiler/logger, now with all new sensors integrated in the same instrument. The logger includes temperature, freshwater conductivity, turbidity, CDOM, chlorophyll, and fast response oxygen sensors, and Wi-fi download.

The following parameters were also measured (or calculated from component parameters) as profiles from water samples collected using a van Dorn water sampling bottle starting at 1 m and then at 10 m intervals from 10 m to the bottom of the lake:

DO, chlorophyll *a*, dissolved reactive phosphorus (DRP), dissolved organic phosphorus (DOP), particulate phosphorus (PP), total phosphorus (TP), nitrate+nitrite nitrogen ($\text{NO}_3\text{-N}$)*, ammoniacal nitrogen ($\text{NH}_4\text{-N}$), dissolved organic nitrogen (DON), particulate nitrogen (PN), total nitrogen (TN), urea nitrogen (Urea-N), total suspended solids (SS), volatile suspended solids (VSS), particulate carbon (PC) and dissolved organic carbon (DOC). (* Little, if any, nitrite is ever found in the Lake Taupo water column, hence the use of $\text{NO}_3\text{-N}$ in the report).

Note: TN and TP values are the summation of all other N and P components, respectively, excluding Urea-N which is part of the DON component. DON and DOP are calculated as the total dissolved nutrient minus the inorganic dissolved nutrients.

Additional parameters measured but not as complete profiles were:

Water clarity (by Secchi disc depth) and algal species composition and abundance on water samples from 1, 10, 50, 100, and 150 m.

Determinations on the water samples were made with the standard methods routinely used for freshwater analysis by NIWA on a Lachat FIA flow injection analyser and C/N analyser.

Algal species composition and abundance were obtained by settling a measured volume of sample (up to 100 mL) in Utermöhl tubes and counting on an inverted microscope. Biovolume was estimated from cell volume tables calculated from the cell dimensions of each species. Dominance was estimated from relative biovolumes with the highest biovolume assigned dominance 1 as most common and the lowest biovolume assigned the dominance 10 as rare. Professional judgement was used to relate dominance between samplings.

Since 2007, dominance is no longer used and the algal data are reported in cell counts and biovolume.

Data for the long term monitoring programme were scheduled to be collected from the mid-lake sampling station at 2 weekly intervals. The practicality of achieving this target was limited by the weather and in reality, data were generally collected at about 2-3 weekly intervals. Parameters measured were:

DO and temperature profiles at 1 m depth intervals to the bottom of the lake by RBR profiler, water clarity as Secchi disc depth, and a 10 m tube water sample was collected for measurement of chlorophyll α , $\text{NO}_3\text{-N}$, $\text{NH}_4\text{-N}$, , DRP, TDN, TDP, PP, PN, PC, and algal species dominance. TN and TP were calculated as the sum of their components. Chlorophyll fluorescence, conductivity, and PAR data from the profiler are archived but not routinely included in this report.

From 2000, near-bottom water samples from 150 m were collected using a van Dorn water sampling bottle and analysed for DRP, $\text{NO}_3\text{-N}$, and $\text{NH}_4\text{-N}$.

Data handling and less than detection limit values

All data in this report have been processed and manipulated on Excel spreadsheets. Contour plots were made in Surfer. For the calculation of annual means and long term trends, results below the detection limit (<DL) were replaced by a value of half of the detection limit. These changes were not made in the data sheets in the appendices.

Statistical methods

Copied from Gibbs (2005).

In this report we have used linear regressions and associated statistical tests to examine trends. The key result of these procedures is the coefficient of determination (R^2), which measures the amount of variability in the data that is accounted for by the regression. Another is the p-value (defined as the probability of obtaining a trend at least as extreme as was obtained if in fact there was no trend at all). This can be used as a weight of evidence against the hypothesis that there was in fact no trend

(or rather, an opposite trend since there will always be a trend in continuous environmental data with sufficient resolution). This weight is strong when p is small, meaning that a trend at least as large as that measured could have occurred merely by chance—we have only a limited number of data from which to infer the strength of any trend, so our measurements always are uncertain to some degree. So, if p is low enough (taken as less than 5% in this report, which is the usual practice), it is conventional to say that the measured trend is "statistically significant", and that convention is followed in this report. However, it is important (and often not realised) to note that the p -value cannot be used as an absolute weight of evidence. This is because it tends to decrease as the number of samples taken in a given period is increased.

Appendix 2 - Temperature and dissolved oxygen data

Includes accumulated data since 1994.

* represents data missing or invalid.

For completeness, additional data from Kuratau Basin (Site B) and Western Bays (Site C) collected for the period between January 2002 and December 2004 are included as separate sheets following the mid-lake data from Site A for those years.

NOTE following July 2018 sampling the Maestro CTD profiler (80282) was returned to Hamilton for testing then sent to RBR for calibration of the DO meter as well as retrofitting a new data port. The profiler was away until February 2019, during this time another CTD profiler (18058) was used.

| Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database. | | | | | | | | | | | | | 2018-2019 | | |
|--|-----------|------------|------------|---------------------|------------|------------|---------------------|------------|-------|-----------|------------|------------|-----------|-----------|------------|
| Mid-Lake site A | | | | | | | | | | | | | | | |
| CTD Profiler | | | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | | | |
| Date | 5/07/2018 | 25/07/2018 | 28/08/2018 | Trace metal program | | | Trace metal program | | | 8/01/2019 | 31/01/2019 | 20/02/2019 | 4/04/2019 | 2/05/2019 | 26/06/2019 |
| Depth (m) | | | | 19/09/2018 | 16/10/2018 | 31/10/2018 | 14/11/2018 | 10/12/2018 | | | | | | | |
| 0 | 11.82 | 11.39 | 11.67 | 11.81 | 12.67 | 13.85 | 16.25 | 17.19 | 20.29 | 21.28 | 21.14 | 19.62 | 16.20 | 12.65 | |
| 10 | 11.82 | 11.43 | 11.21 | 11.68 | 12.65 | 13.79 | 14.61 | 16.78 | 18.70 | 19.98 | 21.12 | 19.63 | 16.21 | 12.70 | |
| 20 | 11.82 | 11.43 | 11.19 | 11.63 | 12.60 | 12.65 | 12.79 | 15.11 | 17.97 | 19.51 | 20.43 | 19.61 | 16.21 | 12.70 | |
| 30 | 11.82 | 11.43 | 11.18 | 11.40 | 11.95 | 12.39 | 12.22 | 13.03 | 13.15 | 13.71 | 15.32 | 15.20 | 14.71 | 12.70 | |
| 40 | 11.82 | 11.43 | 11.17 | 11.22 | 11.47 | 11.98 | 12.07 | 12.41 | 12.16 | 12.34 | 12.43 | 12.66 | 12.32 | 12.70 | |
| 50 | 11.81 | 11.43 | 11.17 | 11.21 | 11.39 | 11.56 | 11.69 | 11.75 | 11.58 | 11.85 | 11.88 | 11.76 | 11.67 | 12.37 | |
| 60 | 11.81 | 11.43 | 11.17 | 11.17 | 11.23 | 11.28 | 11.46 | 11.45 | 11.29 | 11.50 | 11.57 | 11.46 | 11.48 | 11.53 | |
| 70 | 11.82 | 11.43 | 11.17 | 11.14 | 11.16 | 11.21 | 11.28 | 11.24 | 11.18 | 11.33 | 11.36 | 11.32 | 11.33 | 11.39 | |
| 80 | 11.45 | 11.44 | 11.17 | 11.12 | 11.12 | 11.16 | 11.22 | 11.17 | 11.14 | 11.22 | 11.24 | 11.25 | 11.24 | 11.33 | |
| 90 | 11.38 | 11.44 | 11.17 | 11.11 | 11.11 | 11.14 | 11.17 | 11.14 | 11.14 | 11.17 | 11.18 | 11.22 | 11.22 | 11.29 | |
| 100 | 11.33 | 11.44 | 11.16 | 11.10 | 11.10 | 11.13 | 11.13 | 11.13 | 11.12 | 11.15 | 11.17 | 11.18 | 11.21 | 11.27 | |
| 110 | 11.30 | 11.43 | 11.16 | 11.09 | 11.09 | 11.14 | 11.10 | 11.12 | 11.12 | 11.14 | 11.17 | 11.17 | 11.19 | 11.25 | |
| 120 | 11.30 | 11.37 | 11.16 | 11.09 | 11.08 | 11.13 | 11.09 | 11.10 | 11.11 | 11.13 | 11.15 | 11.15 | 11.18 | 11.25 | |
| 130 | 11.29 | 11.33 | 11.16 | 11.08 | 11.07 | 11.13 | 11.08 | 11.10 | 11.11 | 11.12 | 11.14 | 11.14 | 11.16 | 11.24 | |
| 140 | 11.29 | 11.32 | 11.16 | 11.05 | 11.06 | 11.10 | 11.08 | 11.10 | 11.10 | 11.11 | 11.13 | 11.13 | 11.16 | 11.22 | |
| 150 | 11.28 | 11.32 | 11.16 | 11.03 | 11.06 | 11.10 | 11.08 | 11.11 | 11.11 | 11.11 | 11.13 | | 11.16 | 11.21 | |
| Dissolved Oxygen (g m ⁻³) | | | | | | | | | | | | | | | |
| 0 | 9.50 | 9.31 | 11.34 | 11.56 | 11.31 | 10.90 | 10.51 | 8.39 | 9.24 | 9.00 | 8.80 | 8.88 | 9.54 | 10.36 | |
| 10 | 9.51 | 9.31 | 11.26 | 11.54 | 11.30 | 10.90 | 10.79 | 10.09 | 9.63 | 9.29 | 8.85 | 8.93 | 9.42 | 9.74 | |
| 20 | 9.48 | 9.30 | 11.08 | 11.52 | 11.28 | 11.18 | 11.07 | 10.67 | 9.86 | 9.34 | 9.16 | 8.89 | 9.41 | 9.72 | |
| 30 | 9.48 | 9.31 | 10.93 | 11.43 | 11.32 | 11.28 | 10.97 | 11.20 | 11.11 | 11.12 | 9.97 | 9.54 | 9.26 | 9.73 | |
| 40 | 9.47 | 9.29 | 10.87 | 11.25 | 11.10 | 11.20 | 10.87 | 10.95 | 10.65 | 10.79 | 10.11 | 9.56 | 9.15 | 9.74 | |
| 50 | 9.48 | 9.29 | 10.79 | 11.19 | 10.96 | 10.95 | 10.76 | 10.59 | 10.31 | 10.32 | 9.58 | 8.85 | 8.60 | 9.72 | |
| 60 | 9.48 | 9.28 | 10.75 | 11.05 | 10.74 | 10.69 | 10.62 | 10.43 | 10.15 | 9.99 | 9.17 | 8.68 | 8.52 | 8.07 | |
| 70 | 9.46 | 9.27 | 10.75 | 11.01 | 10.63 | 10.56 | 10.48 | 10.29 | 10.05 | 9.87 | 9.15 | 8.62 | 8.46 | 7.88 | |
| 80 | 7.59 | 9.21 | 10.77 | 10.96 | 10.61 | 10.53 | 10.43 | 10.13 | 9.96 | 9.82 | 9.04 | 8.38 | 8.16 | 7.74 | |
| 90 | 7.15 | 9.16 | 10.72 | 10.93 | 10.57 | 10.46 | 10.30 | 10.06 | 9.85 | 9.73 | 8.60 | 8.44 | 7.94 | 7.63 | |
| 100 | 7.09 | 9.20 | 10.71 | 10.88 | 10.54 | 10.39 | 10.38 | 9.87 | 9.83 | 9.54 | 8.46 | 8.26 | 7.95 | 7.54 | |
| 110 | 6.80 | 9.12 | 10.72 | 10.82 | 10.49 | 10.12 | 10.12 | 9.77 | 9.32 | 9.59 | 8.46 | 7.92 | 8.02 | 7.43 | |
| 120 | 6.71 | 7.38 | 10.69 | 10.78 | 10.44 | 10.15 | 10.03 | 9.67 | 9.42 | 9.30 | 8.54 | 8.14 | 7.84 | 7.36 | |
| 130 | 6.72 | 6.73 | 10.70 | 10.79 | 10.26 | 9.89 | 9.84 | 9.27 | 9.05 | 9.09 | 8.49 | 8.25 | 7.79 | 7.20 | |
| 140 | 6.66 | 6.72 | 10.70 | 10.88 | 9.93 | 9.64 | 9.71 | 9.24 | 8.76 | 8.82 | 8.16 | 7.89 | 7.10 | 7.12 | |
| 150 | 6.45 | 6.41 | 10.72 | 10.45 | 9.75 | 9.60 | 9.60 | 9.19 | 8.70 | 8.59 | 7.90 | | 7.02 | 7.13 | |
| Secchi Depth (m) | 12.5 | 15 | | | 12 | 15 | | 19 | 19 | 18 | 23 | 16 | 22 | 17 | |

| Lake taupo Temperature, Dissolved Oxygen, and Secchi Depth Database. | | | | | | | | | | | 2017-2018 | | | | | |
|--|------------|-----------|------------|------------|------------|------------|-----------|------------|------------|------------|-----------|---------------------|-----------|------------|------------|--|
| Mid-Lake site A | | | | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | trace metal program | | | | |
| Depth (m) | 18/07/2017 | 7/08/2017 | 21/08/2017 | 27/09/2017 | 31/10/2017 | 14/11/2017 | 9/01/2018 | 24/01/2018 | 19/02/2018 | 26/03/2018 | 5/04/2018 | 26/04/2018 | 1/05/2018 | 31/05/2018 | 19/06/2018 | |
| 0 | 11.66 | 11.24 | 11.32 | 11.62 | 13.72 | 14.49 | 18.74 | 21.02 | 22.03 | 19.87 | 18.83 | 16.27 | 15.94 | 13.27 | 12.55 | |
| 10 | 11.67 | 11.24 | 11.21 | 11.62 | 13.57 | 14.08 | 18.33 | 19.78 | 21.66 | 19.87 | 18.81 | 15.95 | 15.88 | 13.28 | 12.55 | |
| 20 | 11.67 | 11.23 | 11.20 | 11.61 | 13.17 | 13.88 | 16.69 | 17.81 | 18.65 | 19.09 | 18.80 | 15.91 | 15.79 | 13.28 | 12.55 | |
| 30 | 11.67 | 11.23 | 11.20 | 11.60 | 12.40 | 13.48 | 14.70 | 14.54 | 15.06 | 19.01 | 16.45 | 15.90 | 15.78 | 13.28 | 12.55 | |
| 40 | 11.66 | 11.23 | 11.20 | 11.34 | 11.96 | 11.81 | 12.69 | 12.55 | 12.74 | 15.66 | 12.93 | 13.23 | 13.60 | 13.24 | 12.55 | |
| 50 | 11.62 | 11.23 | 11.19 | 11.26 | 11.63 | 11.41 | 11.81 | 11.77 | 11.99 | 12.97 | 12.09 | 12.01 | 12.04 | 11.79 | 12.44 | |
| 60 | 11.58 | 11.23 | 11.20 | 11.22 | 11.27 | 11.27 | 11.38 | 11.46 | 11.48 | 12.13 | 11.61 | 11.56 | 11.63 | 11.51 | 11.77 | |
| 70 | 11.42 | 11.23 | 11.19 | 11.18 | 11.20 | 11.21 | 11.23 | 11.34 | 11.33 | 11.61 | 11.41 | 11.38 | 11.43 | 11.41 | 11.44 | |
| 80 | 11.23 | 11.23 | 11.19 | 11.17 | 11.15 | 11.14 | 11.20 | 11.24 | 11.26 | 11.41 | 11.31 | 11.31 | 11.34 | 11.36 | 11.37 | |
| 90 | 11.06 | 11.23 | 11.19 | 11.14 | 11.13 | 11.12 | 11.18 | 11.20 | 11.22 | 11.31 | 11.26 | 11.26 | 11.29 | 11.31 | 11.35 | |
| 100 | 11.04 | 11.23 | 11.17 | 11.13 | 11.10 | 11.09 | 11.16 | 11.18 | 11.20 | 11.24 | 11.22 | 11.24 | 11.26 | 11.28 | 11.31 | |
| 110 | 11.04 | 11.09 | 11.16 | 11.12 | 11.08 | 11.09 | 11.15 | 11.17 | 11.18 | 11.21 | 11.19 | 11.22 | 11.23 | 11.25 | 11.29 | |
| 120 | 11.02 | 11.03 | 11.14 | 11.11 | 11.07 | 11.08 | 11.14 | 11.16 | 11.17 | 11.19 | 11.19 | 11.21 | 11.22 | 11.24 | 11.27 | |
| 130 | 11.01 | 11.02 | 11.09 | 11.10 | 11.06 | 11.07 | 11.13 | 11.16 | 11.16 | 11.18 | 11.18 | 11.19 | 11.20 | 11.22 | 11.27 | |
| 140 | 10.99 | 11.02 | 11.05 | 11.09 | 11.05 | 11.06 | 11.12 | 11.14 | 11.15 | 11.17 | 11.17 | 11.18 | 11.18 | 11.21 | 11.26 | |
| 150 | 10.98 | 11.02 | 11.04 | 11.07 | 11.05 | 11.06 | 11.13 | 11.13 | 11.14 | | 11.17 | 11.18 | 11.18 | 11.21 | 11.26 | |
| Dissolved Oxygen (g m ⁻³) | | | | | | | | | | | | trace metal program | | | | |
| | 18/07/2017 | 7/08/2017 | 21/08/2017 | 27/09/2017 | 31/10/2017 | 14/11/2017 | 9/01/2018 | 24/01/2018 | 19/02/2018 | 26/03/2018 | 5/04/2018 | 26/04/2018 | 1/05/2018 | 31/05/2018 | 19/06/2018 | |
| 0 | 9.64 | 9.50 | 9.85 | 10.10 | 10.27 | 10.28 | 9.11 | 8.57 | 8.44 | 8.81 | 9.24 | 9.13 | 9.12 | 9.31 | 9.46 | |
| 10 | 9.63 | 9.49 | 9.82 | 10.07 | 10.25 | 9.87 | 8.88 | 8.90 | 8.50 | 8.81 | 8.86 | 9.11 | 9.15 | 9.34 | 9.45 | |
| 20 | 9.62 | 9.45 | 9.75 | 10.05 | 10.28 | 9.85 | 9.18 | 9.23 | 9.13 | 8.86 | 8.84 | 9.10 | 9.11 | 9.32 | 9.44 | |
| 30 | 9.59 | 9.45 | 9.73 | 10.04 | 10.13 | 9.88 | 9.65 | 9.62 | 9.48 | 8.85 | 8.99 | 9.08 | 9.08 | 9.30 | 9.43 | |
| 40 | 9.57 | 9.44 | 9.72 | 9.78 | 10.11 | 9.55 | 9.42 | 9.43 | 9.23 | 9.06 | 8.82 | 8.93 | 8.84 | 9.28 | 9.40 | |
| 50 | 9.47 | 9.42 | 9.69 | 9.67 | 9.72 | 8.92 | 8.90 | 8.98 | 8.83 | 8.96 | 8.45 | 8.43 | 8.37 | 8.01 | 9.07 | |
| 60 | 9.39 | 9.42 | 9.66 | 9.56 | 9.13 | 8.73 | 8.71 | 8.77 | 8.55 | 8.64 | 8.44 | 7.90 | 8.17 | 7.74 | 7.81 | |
| 70 | 8.85 | 9.43 | 9.63 | 9.34 | 8.65 | 8.65 | 8.48 | 8.59 | 8.44 | 8.43 | 8.22 | 7.79 | 7.81 | 7.53 | 7.43 | |
| 80 | 7.90 | 9.40 | 9.61 | 9.17 | 8.58 | 8.73 | 8.33 | 8.46 | 7.97 | 8.30 | 8.05 | 7.99 | 7.79 | 7.49 | 7.28 | |
| 90 | 7.56 | 9.34 | 9.52 | 8.84 | 8.45 | 8.64 | 8.31 | 8.20 | 7.87 | 8.21 | 7.98 | 7.81 | 7.87 | 7.45 | 7.26 | |
| 100 | 7.42 | 9.32 | 9.09 | 8.70 | 8.37 | 8.50 | 8.14 | 8.07 | 7.96 | 8.04 | 7.87 | 7.72 | 7.58 | 7.31 | 7.11 | |
| 110 | 7.39 | 7.61 | 8.95 | 8.57 | 8.42 | 8.40 | 8.04 | 7.91 | 7.83 | 7.78 | 7.60 | 7.31 | 7.34 | 7.13 | 6.97 | |
| 120 | 7.33 | 7.13 | 8.06 | 8.31 | 8.35 | 8.31 | 8.07 | 7.94 | 7.70 | 7.62 | 7.23 | 7.18 | 7.27 | 7.04 | 6.93 | |
| 130 | 7.26 | 7.07 | 7.44 | 8.26 | 8.28 | 8.21 | 7.94 | 7.90 | 7.60 | 7.42 | 7.07 | 7.18 | 7.24 | 6.80 | 6.75 | |
| 140 | 7.22 | 6.97 | 7.10 | 8.15 | 8.11 | 8.05 | 7.66 | 7.45 | 7.45 | 6.91 | 6.91 | 6.88 | 7.10 | 6.53 | 6.74 | |
| 150 | 7.07 | 6.93 | 6.71 | 7.87 | 7.99 | 7.85 | 7.60 | 7.23 | 7.09 | | 6.61 | 6.61 | 6.55 | 6.51 | 6.65 | |

| Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database. | | | | | | | | | | | | | 2015-2016 | | | | | | | |
|--|-----------|------------|------------|------------|------------|-----------|------------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|-----------|--|
| Mid-Lake site A | | | | | | | | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | New CTD | New CTD | New CTD | New CTD | New CTD | New CTD | New CTD | |
| | 2/07/2015 | 30/07/2015 | 13/08/2015 | 27/08/2015 | 17/09/2015 | 1/10/2015 | 15/10/2015 | 2/11/2015 | 19/11/2015 | 1/12/2015 | 7/01/2016 | 21/01/2016 | 3/02/2016 | 9/03/2016 | 22/03/2016 | 7/04/2016 | 19/04/2016 | 5/05/2016 | 2/06/2016 | |
| Depth (m) | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.59 | 11.04 | 10.84 | 10.78 | 10.79 | 11.65 | 12.33 | 13.42 | 13.96 | 16.27 | 18.30 | 19.68 | 22.21 | 20.66 | 19.79 | 19.03 | 18.31 | 17.11 | 14.62 | |
| 10 | 11.61 | 11.04 | 10.83 | 10.77 | 10.79 | 11.13 | 12.28 | 13.04 | 13.93 | 15.53 | 18.21 | 19.62 | 21.42 | 20.67 | 19.81 | 19.00 | 18.28 | 17.11 | 14.62 | |
| 20 | 11.61 | 11.04 | 10.82 | 10.76 | 10.79 | 10.92 | 12.06 | 12.89 | 13.86 | 14.47 | 17.92 | 18.90 | 17.84 | 20.67 | 19.81 | 19.00 | 18.28 | 17.11 | 14.63 | |
| 30 | 11.60 | 11.04 | 10.82 | 10.76 | 10.79 | 10.88 | 11.99 | 12.17 | 13.39 | 13.74 | 14.73 | 14.81 | 14.62 | 16.17 | 15.41 | 16.23 | 16.40 | 17.10 | 14.62 | |
| 40 | 11.58 | 11.04 | 10.83 | 10.77 | 10.79 | 10.83 | 11.03 | 11.67 | 12.53 | 11.76 | 12.58 | 12.27 | 12.17 | 12.77 | 12.31 | 12.92 | 12.47 | 13.28 | 14.60 | |
| 50 | 11.57 | 11.05 | 10.82 | 10.77 | 10.79 | 10.79 | 10.85 | 10.92 | 11.92 | 11.14 | 11.31 | 11.51 | 11.43 | 11.45 | 11.44 | 11.53 | 11.59 | 11.84 | 11.32 | |
| 60 | 11.57 | 11.05 | 10.83 | 10.77 | 10.73 | 10.77 | 10.80 | 10.77 | 11.50 | 10.86 | 11.02 | 11.07 | 11.06 | 11.04 | 11.10 | 11.13 | 11.13 | 11.20 | 11.05 | |
| 70 | 11.55 | 11.05 | 10.83 | 10.77 | 10.70 | 10.75 | 10.75 | 10.74 | 10.93 | 10.78 | 10.88 | 10.88 | 10.92 | 10.92 | 10.92 | 10.95 | 10.95 | 10.94 | 10.93 | |
| 80 | 11.50 | 11.05 | 10.83 | 10.77 | 10.70 | 10.74 | 10.72 | 10.73 | 10.85 | 10.78 | 10.81 | 10.83 | 10.83 | 10.85 | 10.85 | 10.86 | 10.86 | 10.88 | 10.87 | |
| 90 | 11.43 | 11.05 | 10.83 | 10.77 | 10.70 | 10.70 | 10.71 | 10.72 | 10.77 | 10.75 | 10.77 | 10.79 | 10.79 | 10.81 | 10.83 | 10.82 | 10.83 | 10.87 | 10.85 | |
| 100 | 11.38 | 11.05 | 10.82 | 10.77 | 10.69 | 10.70 | 10.70 | 10.71 | 10.75 | 10.74 | 10.75 | 10.79 | 10.76 | 10.80 | 10.80 | 10.80 | 10.81 | 10.85 | 10.83 | |
| 110 | 11.36 | 11.05 | 10.82 | 10.77 | 10.69 | 10.66 | 10.69 | 10.71 | 10.73 | 10.74 | 10.74 | 10.77 | 10.75 | 10.78 | 10.78 | 10.78 | 10.79 | 10.82 | 10.82 | |
| 120 | 11.25 | 11.06 | 10.82 | 10.77 | 10.69 | 10.66 | 10.68 | 10.70 | 10.72 | 10.72 | 10.74 | 10.76 | 10.74 | 10.78 | 10.77 | 10.77 | 10.78 | 10.81 | 10.81 | |
| 130 | 11.12 | | 10.82 | 10.77 | | 10.66 | 10.68 | 10.70 | 10.71 | 10.71 | 10.74 | 10.75 | 10.73 | 10.77 | | 10.76 | 10.77 | 10.80 | 10.80 | |
| 140 | 11.05 | | 10.82 | 10.77 | | 10.64 | 10.67 | | 10.70 | 10.71 | 10.72 | 10.74 | 10.73 | | 10.76 | | | 10.79 | 10.79 | |
| 150 | 11.01 | | 10.81 | 10.77 | | 10.63 | | | | | | | | | | | | | | |
| Dissolved Oxygen (g m ⁻³) | | | | | | | | | | | | | | | | | | | | |
| 0 | 10.78 | 10.94 | 11.02 | 11.07 | 10.92 | 10.35 | 10.76 | 10.43 | 10.24 | 9.74 | 9.39 | 9.13 | 8.30 | 8.95 | 9.26 | 9.86 | 9.74 | 9.60 | 10.11 | |
| 10 | 10.57 | 10.90 | 10.72 | 10.77 | 10.81 | 9.57 | 10.77 | 10.36 | 10.23 | 9.61 | 9.42 | 9.19 | 8.28 | 8.78 | 9.01 | 9.85 | 9.44 | 9.44 | 9.93 | |
| 20 | 10.72 | 10.85 | 10.76 | 10.77 | 10.88 | 9.53 | 10.81 | 10.45 | 10.28 | 9.87 | 9.44 | 9.22 | 9.02 | 8.78 | 9.01 | 9.81 | 9.38 | 9.39 | 9.76 | |
| 30 | 10.77 | 10.89 | 10.69 | 10.77 | 10.80 | 9.42 | 10.84 | 10.44 | 10.29 | 9.78 | 9.48 | 9.34 | 9.15 | 9.46 | 9.42 | 9.89 | 9.41 | 9.35 | 9.70 | |
| 40 | 10.79 | 10.83 | 10.66 | 10.70 | 10.81 | 9.38 | 10.66 | 10.35 | 10.32 | 9.74 | 9.68 | 9.63 | 9.06 | 8.86 | 8.90 | 9.24 | 8.81 | 8.97 | 9.65 | |
| 50 | 10.84 | 10.83 | 10.68 | 10.67 | 10.79 | 9.31 | 10.62 | 10.18 | 10.24 | 9.52 | 9.53 | 9.66 | 8.85 | 8.64 | 8.75 | 8.90 | 8.74 | 8.71 | 8.78 | |
| 60 | 10.75 | 10.80 | 10.67 | 10.66 | 10.72 | 9.29 | 10.45 | 9.98 | 10.10 | 9.41 | 9.35 | 9.66 | 8.77 | 8.68 | 8.82 | 8.86 | 8.68 | 8.73 | 8.87 | |
| 70 | 10.71 | 10.82 | 10.63 | 10.64 | 10.66 | 9.23 | 10.43 | 9.96 | 9.92 | 9.35 | 9.34 | 9.52 | 8.73 | 8.68 | 8.85 | 8.75 | 8.58 | 8.66 | 8.75 | |
| 80 | 10.61 | 10.85 | 10.62 | 10.67 | 10.66 | 9.19 | 10.28 | 9.85 | 9.80 | 9.19 | 9.24 | 9.33 | 8.75 | 8.40 | 8.78 | 8.79 | 8.61 | 8.26 | 8.46 | |
| 90 | 10.60 | 10.77 | 10.61 | 10.65 | 10.65 | 9.14 | 10.29 | 9.83 | 9.77 | 9.17 | 9.26 | 9.26 | 8.76 | 8.64 | 8.53 | 8.54 | 8.41 | 8.03 | 8.45 | |
| 100 | 10.30 | 10.82 | 10.63 | 10.66 | 10.68 | 9.07 | 10.19 | 9.81 | 9.62 | 9.13 | 9.18 | 9.03 | 8.79 | 8.34 | 8.49 | 8.57 | 8.42 | 7.94 | 8.41 | |
| 110 | 10.17 | 10.74 | 10.65 | 10.65 | 10.77 | 9.08 | 10.20 | 9.80 | 9.57 | 9.09 | 9.18 | 8.93 | 8.66 | 8.29 | 8.56 | 8.34 | 8.31 | | 8.10 | |
| 120 | 9.61 | 10.74 | 10.66 | 10.66 | 10.69 | 9.07 | 10.13 | 9.73 | 9.49 | 8.93 | 9.11 | 8.82 | 8.65 | 8.25 | 8.50 | 8.47 | 8.10 | | 8.08 | |
| 130 | 8.89 | | 10.68 | 10.63 | | 9.05 | 10.09 | 9.75 | 9.37 | 8.93 | 9.11 | 8.74 | 8.19 | 8.35 | | 8.06 | 7.88 | | 7.97 | |
| 140 | 8.52 | | 10.66 | 10.61 | | 8.99 | 10.00 | | 9.29 | 8.96 | 8.92 | 8.47 | 8.13 | | | 7.94 | | | 7.76 | |
| 150 | 8.12 | | 10.61 | 10.63 | | 8.99 | | | | | | | | | | | | | | |
| Secchi depth (m) | 2/07/2015 | 30/07/2015 | 13/08/2015 | 27/08/2015 | 17/09/2015 | 1/10/2015 | 15/10/2015 | 2/11/2015 | 19/11/2015 | 1/12/2015 | 7/01/2016 | 21/01/2016 | 3/02/2016 | 9/03/2016 | 22/03/2016 | 7/04/2016 | 19/04/2016 | 5/05/2016 | 2/06/2016 | |
| | 14.25 | 13 | 10 | 12.5 | 18.5 | 17.25 | 14.5 | 16 | 14 | 14.5 | 18 | 14 | 18 | no secchi | 17 | 15 | 14.75 | 14.2 | 14.3 | |

| Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database. | | | | | | | | | | | | | | | 2014-2015 | | | | | |
|--|-----------|------------|------------|-----------|-----------|------------|-----------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|-----------|
| Mid-Lake site A | | | | | | | | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | | | | | | | | |
| Date | 1/07/2014 | 21/07/2014 | 26/08/2014 | 9/09/2014 | 8/10/2014 | 20/10/2014 | 5/11/2014 | 25/11/2014 | 17/12/2014 | 14/01/2015 | 29/01/2015 | 12/02/2015 | 26/02/2015 | 9/03/2015 | 25/03/2015 | 21/04/2015 | 11/05/2015 | 27/05/2015 | 18/06/2015 | 2/07/2015 |
| Depth (m) | | | | | | | | | | | | | | | | | | | | |
| 0 | 12.86 | 11.76 | 11.48 | 12.06 | 11.15 | 12.91 | 13.34 | 14.63 | 15.43 | 20.35 | 20.91 | 19.47 | 20.00 | 20.08 | 19.11 | 17.15 | 15.63 | 13.79 | 12.34 | 11.59 |
| 10 | 12.87 | 11.51 | 11.08 | 11.17 | 11.18 | 12.76 | 12.83 | 13.58 | 15.41 | 20.17 | 20.87 | 19.32 | 20.00 | 19.64 | 18.94 | 17.07 | 15.66 | 13.69 | 12.35 | 11.61 |
| 20 | 12.87 | 11.50 | 11.07 | 11.12 | 11.18 | 11.44 | 12.55 | 13.44 | 15.33 | 16.18 | 17.05 | 18.85 | 18.09 | 19.61 | 18.92 | 17.03 | 15.65 | 13.68 | 12.35 | 11.61 |
| 30 | 12.88 | 11.50 | 11.06 | 11.03 | 11.18 | 11.27 | 12.46 | 13.32 | 13.91 | 13.82 | 14.27 | 14.16 | 14.92 | 14.72 | 15.30 | 15.20 | 15.66 | 13.67 | 12.35 | 11.60 |
| 40 | 12.88 | 11.50 | 11.05 | 10.99 | 11.17 | 11.23 | 12.06 | 12.49 | 13.02 | 12.60 | 12.67 | 12.73 | 13.41 | 12.84 | 12.98 | 12.80 | 15.63 | 13.67 | 12.35 | 11.58 |
| 50 | 12.88 | 11.49 | 11.05 | 10.99 | 11.18 | 11.20 | 11.82 | 11.58 | 11.92 | 11.86 | 11.80 | 11.99 | 12.32 | 11.75 | 11.88 | 11.78 | 12.19 | 13.65 | 12.35 | 11.57 |
| 60 | 12.85 | 11.46 | 11.05 | 10.99 | 11.17 | 11.20 | 11.57 | 11.31 | 11.37 | 11.38 | 11.44 | 11.59 | 11.55 | 11.43 | 11.52 | 11.29 | 11.52 | 13.57 | 12.35 | 11.57 |
| 70 | 11.66 | 11.42 | 11.05 | 10.98 | 11.16 | 11.20 | 11.38 | 11.25 | 11.22 | 11.25 | 11.30 | 11.40 | 11.44 | 11.26 | 11.32 | 11.11 | 11.15 | 11.77 | 12.15 | 11.55 |
| 80 | 11.53 | 11.39 | 11.05 | 10.98 | 11.15 | 11.19 | 11.25 | 11.20 | 11.18 | 11.19 | 11.25 | 11.27 | 11.29 | 11.23 | 11.29 | 11.01 | 11.04 | 11.48 | 11.20 | 11.50 |
| 90 | 11.44 | 11.37 | 11.04 | 10.97 | 11.14 | 11.18 | 11.18 | 11.16 | 11.14 | 11.16 | 11.19 | 11.23 | 11.22 | 11.20 | 11.24 | 10.97 | 10.98 | 11.36 | 11.12 | 11.43 |
| 100 | 11.40 | 11.36 | 11.04 | 10.97 | 11.13 | 11.18 | 11.14 | 11.14 | 11.12 | 11.13 | 11.16 | 11.20 | 11.19 | 11.19 | 11.24 | 10.94 | 10.95 | 11.23 | 11.05 | 11.38 |
| 110 | 11.37 | 11.36 | 11.04 | 10.97 | 11.13 | 11.17 | 11.13 | 11.11 | 11.10 | 11.12 | 11.15 | 11.17 | 11.17 | 11.18 | 11.20 | 10.91 | 10.93 | 11.08 | 11.02 | 11.36 |
| 120 | 11.36 | 11.35 | 11.04 | 10.96 | 11.11 | 11.17 | 11.12 | 11.09 | 11.10 | 11.11 | 11.13 | 11.13 | 11.15 | 11.18 | 11.19 | 10.90 | 10.93 | 11.03 | 11.00 | 11.25 |
| 130 | | 11.35 | 11.04 | 10.95 | 11.09 | 11.14 | | 11.07 | 11.09 | 11.11 | 11.11 | 11.12 | | 11.16 | 11.15 | 10.89 | 10.91 | 11.00 | 10.99 | 11.12 |
| 140 | | 11.35 | 11.04 | 10.95 | 11.05 | 11.10 | | 11.06 | 11.09 | 11.10 | 11.11 | 11.11 | | 11.15 | 11.15 | 10.88 | 10.90 | 10.98 | | 11.05 |
| 150 | | 11.35 | 11.03 | | 11.00 | | | 11.05 | 11.08 | | | | | | 11.15 | | | 10.95 | | 11.01 |
| Dissolved Oxygen (g m ⁻³) | | | | | | | | | | | | | | | | | | | | |
| 0 | 10.55 | 10.82 | 10.81 | 10.75 | 10.93 | 10.48 | 10.41 | 10.13 | 9.92 | 9.04 | 8.86 | 9.15 | 8.97 | 9.02 | 9.18 | 9.61 | 9.96 | 10.37 | 10.72 | 10.78 |
| 10 | 10.28 | 10.62 | 11.07 | 11.40 | 10.82 | 10.41 | 10.19 | 10.16 | 9.86 | 9.11 | 8.81 | 9.14 | 9.02 | 9.06 | 9.15 | 9.35 | 9.85 | 10.14 | 10.46 | 10.57 |
| 20 | 10.26 | 10.47 | 11.25 | 10.67 | 10.83 | 10.50 | 10.34 | 10.22 | 9.91 | 9.61 | 9.42 | 9.28 | 9.27 | 9.05 | 9.08 | 9.52 | 9.95 | 10.28 | 10.59 | 10.72 |
| 30 | 10.15 | 10.25 | 11.23 | 10.43 | 10.74 | 10.30 | 10.27 | 10.17 | 9.80 | 9.67 | 9.60 | 9.23 | 9.46 | 9.30 | 9.24 | 9.62 | 9.97 | 10.31 | 10.72 | 10.77 |
| 40 | 10.04 | 10.16 | 11.12 | 10.21 | 10.63 | 10.04 | 10.11 | 9.90 | 9.85 | 9.44 | 9.39 | 9.57 | 9.37 | 9.32 | 9.39 | 10.03 | 9.92 | 10.27 | 10.66 | 10.79 |
| 50 | 10.02 | 9.99 | 10.90 | 10.09 | 10.60 | 9.98 | 10.06 | 9.90 | 9.63 | 9.35 | 9.21 | 9.44 | 9.17 | 9.07 | 9.25 | 9.77 | 9.88 | 10.28 | 10.67 | 10.84 |
| 60 | 9.96 | 9.54 | 10.83 | 10.03 | 10.60 | 9.92 | 10.00 | 9.79 | 9.38 | 9.07 | 8.93 | 9.29 | 8.60 | 8.61 | 8.73 | 9.29 | 9.25 | 10.16 | 10.60 | 10.75 |
| 70 | 8.67 | 8.96 | 10.72 | 10.05 | 10.56 | 9.92 | 9.88 | 9.77 | 9.33 | 9.02 | 8.80 | 9.22 | 8.49 | 8.44 | 8.48 | 9.14 | 9.07 | 9.62 | 10.54 | 10.71 |
| 80 | 8.38 | 8.40 | 10.61 | 10.03 | 10.52 | 9.89 | 9.81 | 9.69 | 9.19 | 8.96 | 8.67 | 9.01 | 8.38 | 8.33 | 8.02 | 8.98 | 8.71 | 9.32 | 9.19 | 10.61 |
| 90 | 8.26 | 8.29 | 10.54 | 10.01 | 10.51 | 9.87 | 9.69 | 9.58 | 9.12 | 8.89 | 8.66 | 8.94 | 8.33 | 8.25 | 7.94 | 8.73 | 8.63 | 9.15 | 9.07 | 10.60 |
| 100 | 8.19 | 8.08 | 10.50 | 9.96 | 10.47 | 9.86 | 9.57 | 9.39 | 9.03 | 8.70 | 8.50 | 8.90 | 8.28 | 7.94 | 7.71 | 8.55 | 8.29 | 8.89 | 8.76 | 10.30 |
| 110 | 8.10 | 8.04 | 10.46 | 9.98 | 10.41 | 9.85 | 9.52 | 9.27 | 8.98 | 8.60 | 8.42 | 8.93 | 8.24 | 7.87 | 7.71 | 8.48 | 8.09 | 8.61 | 8.61 | 10.17 |
| 120 | 8.04 | 7.94 | 10.42 | 9.87 | 10.39 | 9.82 | 9.46 | 9.15 | 8.89 | 8.24 | 8.37 | 8.80 | 7.97 | 7.69 | 7.73 | 8.35 | 7.77 | 8.43 | 8.41 | 9.61 |
| 130 | | 7.89 | 10.41 | 9.86 | 10.31 | 9.80 | | 9.11 | 8.78 | 8.10 | 8.18 | 8.67 | | 7.69 | 7.91 | 7.45 | 8.04 | 8.31 | 8.23 | 8.89 |
| 140 | | 7.74 | 10.37 | 9.86 | 10.15 | 9.67 | | 8.87 | 8.61 | 7.90 | 7.68 | 8.17 | | 7.38 | 7.37 | 7.29 | 7.70 | 8.19 | | 8.52 |
| 150 | | 7.71 | 10.31 | | 10.04 | | | 8.72 | 8.43 | | | | | | 7.10 | | | 8.04 | | 8.11 |
| Drift angle | | | | | | | | | | | | | | | | | | | | |
| Secchi depth (m) | 12.75 | 15.5 | 11 | 11.25 | 14 | 13 | 15 | 12 | 15 | 16 | 17.25 | 17 | 18 na | 18 | 17.25 | 13 | 12 | 16.25 | 14.25 | |

| Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database. | | | | | | | | | | | 2012-2013 | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Mid-Lake site A for the period starting 1 August 2012 | | | | | | | | | | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | | | | | | | | | | |
| Date | 1/08/2012 | 17/08/2012 | 29/08/2012 | 20/09/2012 | 4/10/2012 | 24/10/2012 | 8/11/2012 | 22/11/2012 | 6/12/2012 | 19/12/2012 | 23/01/2013 | 7/02/2013 | 21/02/2013 | 6/03/2013 | 20/03/2013 | 4/04/2013 | 22/04/2013 | 7/05/2013 | 23/05/2013 | 6/06/2013 | 19/06/2013 | 22/07/2013 |
| Depth (m) | no profile | | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.15 | 11.25 | | 11.17 | 11.45 | 12.35 | 13.45 | 16.40 | 14.97 | 17.75 | 19.02 | 18.83 | 20.41 | 20.01 | 19.52 | 19.58 | 17.49 | 16.50 | 15.25 | 13.99 | 13.37 | 11.50 |
| 10 | 11.17 | 11.07 | | 10.91 | 11.45 | 11.59 | 13.23 | 14.06 | 14.83 | 17.35 | 18.79 | 18.82 | 20.24 | 20.01 | 19.55 | 19.48 | 17.50 | 16.47 | 15.29 | 14.00 | 13.37 | 11.48 |
| 20 | 11.17 | 11.02 | | 10.71 | 11.45 | 11.55 | 12.95 | 13.73 | 14.34 | 15.74 | 17.40 | 18.11 | 19.42 | 19.99 | 19.56 | 19.45 | 17.49 | 16.46 | 15.32 | 14.00 | 13.38 | 11.48 |
| 30 | 11.18 | 11.01 | | 10.70 | 11.44 | 11.52 | 12.40 | 13.10 | 13.80 | 14.16 | 14.32 | 15.66 | 16.05 | 15.73 | 14.81 | 15.96 | 15.87 | 16.07 | 15.34 | 14.00 | 13.38 | 11.47 |
| 40 | 11.19 | 10.99 | | 10.70 | 11.13 | 11.51 | 11.75 | 11.93 | 12.22 | 12.30 | 12.25 | 13.20 | 12.63 | 12.98 | 12.48 | 12.95 | 12.81 | 12.47 | 14.85 | 13.88 | 13.38 | 11.47 |
| 50 | 11.19 | 10.99 | | 10.68 | 10.94 | 11.49 | 11.47 | 11.60 | 11.53 | 11.65 | 11.67 | 12.02 | 12.02 | 11.98 | 11.69 | 11.88 | 11.79 | 11.69 | 12.03 | 11.72 | 12.12 | 11.47 |
| 60 | 11.19 | 10.98 | | 10.68 | 10.92 | 11.43 | 11.30 | 11.38 | 11.27 | 11.41 | 11.45 | 11.46 | 11.64 | 11.48 | 11.42 | 11.52 | 11.45 | 11.42 | 11.50 | 11.47 | 11.41 | 11.42 |
| 70 | 11.19 | 10.97 | | 10.67 | 10.92 | 11.37 | 11.13 | 11.22 | 11.19 | 11.28 | 11.32 | 11.29 | 11.37 | 11.33 | 11.22 | 11.32 | 11.28 | 11.29 | 11.25 | 11.31 | 11.24 | 11.37 |
| 80 | 11.20 | 10.96 | | 10.66 | 10.91 | 11.34 | 11.04 | 11.17 | 11.11 | 11.14 | 11.22 | 11.18 | 11.28 | 11.21 | 11.15 | 11.21 | 11.18 | 11.18 | 11.17 | 11.20 | 11.15 | 11.35 |
| 90 | 11.20 | 10.95 | | 10.64 | 10.90 | 11.29 | 10.99 | 11.05 | 11.07 | 11.06 | 11.15 | 11.08 | 11.15 | 11.13 | 11.10 | 11.13 | 11.12 | 11.13 | 11.12 | 11.13 | 11.11 | 11.28 |
| 100 | 11.19 | 10.95 | | 10.63 | 10.88 | 11.25 | 10.95 | 11.04 | 11.04 | 11.03 | 11.08 | 11.08 | 11.11 | 11.05 | 11.07 | 11.09 | 11.08 | 11.09 | 11.09 | 11.09 | 11.07 | 11.26 |
| 110 | 11.17 | 10.94 | | 10.61 | 10.86 | 11.18 | 10.91 | 10.97 | 11.01 | 11.00 | 11.04 | 11.05 | 11.06 | 11.01 | 11.03 | 11.06 | 11.05 | 11.06 | 11.06 | 11.06 | 11.06 | 11.22 |
| 120 | 11.16 | 10.94 | | 10.60 | 10.82 | 11.10 | 10.89 | 10.95 | 10.96 | 10.98 | 11.01 | 11.04 | 11.02 | 11.00 | 11.00 | 11.05 | 11.03 | 11.04 | 11.04 | 11.03 | 11.05 | 11.20 |
| 130 | 11.16 | 10.94 | | 10.60 | 10.82 | 11.00 | 10.86 | 10.92 | 10.92 | 10.96 | 11.02 | 10.98 | 11.02 | 10.98 | 10.98 | 11.03 | 11.02 | 11.03 | 11.02 | 11.02 | 11.04 | 11.18 |
| 140 | 11.16 | 10.94 | | 10.60 | 10.82 | 10.97 | 10.85 | 10.90 | 10.90 | 10.94 | 10.96 | 10.98 | 10.97 | 10.97 | 10.99 | 11.02 | 11.01 | 11.01 | 11.01 | 11.01 | 11.03 | 11.11 |
| 150 | 11.16 | 10.94 | | 10.60 | 10.82 | 10.91 | 10.84 | 10.90 | 10.89 | 10.93 | 10.94 | 10.97 | 10.96 | 10.96 | 10.98 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.03 | 11.11 |
| Dissolved Oxygen (g m ⁻³) | | | | 4/10/2012 | 24/10/2012 | 8/11/2012 | 22/11/2012 | 6/12/2012 | 19/12/2012 | 23/01/2013 | 7/02/2013 | 21/02/2013 | 6/03/2013 | 20/03/2013 | 4/04/2013 | 22/04/2013 | 7/05/2013 | 23/05/2013 | 6/06/2013 | 19/06/2013 | 22/07/2013 | |
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.03 | 10.90 | | 11.00 | 11.20 | 10.68 | 10.40 | 9.56 | 9.50 | 9.14 | 9.05 | 8.76 | 8.73 | 8.76 | 10.61 | 9.11 | 9.05 | 9.70 | 9.70 | 10.27 | 10.14 | 10.93 |
| 10 | 11.19 | 11.09 | | 11.03 | 11.24 | 10.81 | 10.57 | 9.88 | 9.64 | 9.29 | 9.17 | 8.86 | 8.87 | 8.73 | 12.43 | 13.37 | 9.08 | 9.71 | 9.72 | 10.26 | 10.15 | 11.43 |
| 20 | 11.13 | 10.77 | | 11.06 | 11.14 | 10.66 | 10.53 | 9.79 | 9.68 | 9.56 | 9.52 | 9.14 | 9.04 | 8.62 | 9.69 | 9.73 | 9.00 | 9.68 | 9.67 | 10.17 | 10.16 | 11.11 |
| 30 | 11.21 | 10.77 | | 11.07 | 11.18 | 10.70 | 10.68 | 9.85 | 9.75 | 9.79 | 10.31 | 9.59 | 9.92 | 9.59 | 9.72 | 10.07 | 9.11 | 9.63 | 9.64 | 10.17 | 10.18 | 11.05 |
| 40 | 11.10 | 10.44 | | 11.10 | 10.93 | 10.56 | 10.53 | 9.60 | 9.75 | 9.79 | 9.74 | 9.56 | 9.62 | 9.63 | 9.34 | 9.90 | 9.05 | 9.45 | 9.62 | 10.15 | 10.19 | 11.32 |
| 50 | 11.01 | 10.24 | | 11.12 | 10.57 | 10.60 | 10.49 | 9.59 | 9.46 | 9.28 | 9.57 | 9.22 | 9.40 | 9.23 | 8.97 | 9.38 | 8.73 | 9.02 | 9.04 | 9.38 | 10.17 | 11.61 |
| 60 | 11.11 | 10.18 | | 11.17 | 10.44 | 10.37 | 9.99 | 9.19 | 8.93 | 9.01 | 9.29 | 8.68 | 8.96 | 8.92 | 8.80 | 9.08 | 8.64 | 8.66 | 8.92 | 9.11 | 9.38 | 11.72 |
| 70 | 11.11 | 10.04 | | 11.18 | 10.43 | 10.43 | 9.91 | 9.02 | 8.84 | 8.90 | 8.87 | 8.52 | 8.78 | 8.67 | 8.91 | 8.74 | 8.49 | 8.76 | 8.75 | 8.99 | 9.11 | 11.61 |
| 80 | 11.05 | 10.22 | | 11.21 | 10.37 | 10.34 | 9.57 | 8.87 | 8.78 | 8.73 | 8.86 | 8.25 | 8.60 | 8.22 | 8.91 | 8.71 | 8.39 | 8.80 | 8.54 | 8.84 | 8.99 | 11.68 |
| 90 | 10.79 | 10.22 | | 11.22 | 10.36 | 10.31 | 9.55 | 8.87 | 8.70 | 8.62 | 8.37 | 8.21 | 8.38 | 8.00 | 8.72 | 8.28 | 8.24 | 8.56 | 8.34 | 8.60 | 8.84 | 11.44 |
| 100 | 10.02 | 10.15 | | 11.25 | 10.27 | 10.19 | 9.40 | 8.50 | 8.49 | 8.44 | 8.40 | 7.91 | 8.17 | 8.14 | 8.82 | 8.06 | 7.93 | 8.38 | 8.10 | 8.32 | 8.60 | 11.21 |
| 110 | 9.41 | 10.16 | | 11.26 | 10.19 | 10.12 | 9.44 | 8.68 | 8.38 | 8.38 | 8.27 | 7.89 | 8.08 | 7.97 | 8.73 | 7.86 | 7.71 | 7.92 | 8.02 | 7.89 | 8.32 | 10.81 |
| 120 | 9.23 | 10.02 | | 11.30 | 10.34 | 9.96 | 9.34 | 8.59 | 8.51 | 8.25 | 8.36 | 7.78 | 7.77 | 7.74 | 8.13 | 7.73 | 7.40 | 7.46 | 7.79 | 7.71 | 7.89 | 10.44 |
| 130 | 9.10 | 9.98 | | 11.32 | 10.30 | 9.95 | 9.34 | 8.61 | 8.53 | 8.20 | 8.22 | 7.74 | 7.75 | 7.74 | | 7.69 | 7.36 | 7.19 | 7.53 | 7.64 | 7.71 | 10.36 |
| 140 | 9.10 | 9.98 | | 11.34 | 10.26 | 9.75 | 9.10 | 8.28 | 8.35 | 7.87 | 7.93 | 7.84 | 7.40 | 7.74 | | 7.57 | 6.94 | 7.16 | 7.46 | 7.56 | 7.64 | 9.99 |
| 150 | 9.05 | 9.98 | | 11.41 | 10.26 | 9.51 | 8.91 | 8.21 | 8.07 | 7.72 | 7.39 | 7.41 | 7.08 | 7.74 | | 7.23 | 6.81 | 7.11 | 7.35 | 7.53 | 7.56 | 9.02 |
| Secchi depth | | | | | | | | | | | | | | Probe error | | | | | | | | |
| (m) | 17 | 14 | | 13 | 12.5 | 13.6 | 17 | 18 | 19 | 19 | 15.8 | 15 | 19 | 21 | 14 | 18 | 14.7 | 14.25 | 15 | 14.5 | 15 | 14 |

| Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database. | | | | | | | | | | | | 2011-2012 | | | | | | | | | | | |
|--|-----------|------------|-----------|------------|------------|-----------|------------|-----------|------------|------------|------------|------------|-----------|------------|-----------|------------|------------|-----------|------------|-----------|------------|------------|------------|
| Mid-Lake site A for the period starting 9 August 2011 | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | | | | | | | | | | | |
| Date | 9/08/2011 | 24/08/2011 | 7/09/2011 | 28/09/2011 | 26/10/2011 | 8/11/2011 | 22/11/2011 | 8/12/2011 | 22/12/2011 | 12/01/2012 | 26/01/2012 | 16/02/2012 | 7/03/2012 | 10/04/2012 | 7/05/2012 | 30/05/2012 | 14/06/2012 | 2/07/2012 | 18/07/2012 | 1/08/2012 | 17/08/2012 | 29/08/2012 | 20/09/2012 |
| Depth (m) | | | | | | | | | | | | no profile | | | | | | | | | | no profile | |
| 0 | 11.07 | 10.88 | 11.09 | 11.02 | 13.02 | 14.12 | 14.59 | 16.81 | 18.23 | 18.91 | 19.02 | | 18.17 | 16.64 | 15.07 | 13.41 | 12.64 | 11.64 | 11.44 | 11.15 | 11.25 | | 11.17 |
| 10 | 10.95 | 10.80 | 10.95 | 11.02 | 12.80 | 13.80 | 14.55 | 16.26 | 16.67 | 18.64 | 19.01 | | 17.56 | 16.47 | 15.07 | 13.47 | 12.68 | 11.62 | 11.28 | 11.17 | 11.07 | | 10.91 |
| 20 | 10.94 | 10.75 | 10.88 | 11.01 | 12.31 | 13.37 | 14.52 | 14.83 | 15.55 | 16.68 | 18.30 | | 17.26 | 16.42 | 15.07 | 13.48 | 12.68 | 11.62 | 11.27 | 11.17 | 11.02 | | 10.71 |
| 30 | 10.93 | 10.74 | 10.76 | 10.96 | 11.82 | 13.00 | 14.20 | 13.56 | 13.57 | 14.81 | 16.51 | | 16.24 | 16.21 | 15.07 | 13.50 | 12.67 | 11.61 | 11.26 | 11.18 | 11.01 | | 10.70 |
| 40 | 10.94 | 10.73 | 10.76 | 10.84 | 11.05 | 11.67 | 12.15 | 12.25 | 12.35 | 12.58 | 12.21 | | 12.77 | 14.24 | 15.03 | 13.49 | 12.66 | 11.61 | 11.26 | 11.19 | 10.99 | | 10.70 |
| 50 | 10.94 | 10.72 | 10.75 | 10.81 | 10.92 | 11.15 | 11.36 | 11.54 | 11.56 | 11.89 | 12.13 | | 11.82 | 11.95 | 12.50 | 11.95 | 12.67 | 11.61 | 11.26 | 11.19 | 10.99 | | 10.68 |
| 60 | 10.94 | 10.71 | 10.75 | 10.80 | 10.86 | 10.92 | 11.00 | 11.11 | 11.15 | 11.31 | 11.17 | | 11.30 | 11.24 | 11.65 | 11.43 | 11.61 | 11.60 | 11.26 | 11.19 | 10.98 | | 10.68 |
| 70 | 10.94 | 10.71 | 10.75 | 10.79 | 10.81 | 10.85 | 10.89 | 10.96 | 11.04 | 11.07 | 11.14 | | 11.12 | 11.06 | 11.23 | 11.17 | 11.19 | 11.59 | 11.25 | 11.19 | 10.97 | | 10.67 |
| 80 | 10.94 | 10.71 | 10.75 | 10.78 | 10.79 | 10.83 | 10.86 | 10.91 | 11.01 | 10.96 | 10.96 | | 11.02 | 10.98 | 11.09 | 11.02 | 11.02 | 11.24 | 11.18 | 11.20 | 10.96 | | 10.66 |
| 90 | 10.94 | 10.71 | 10.75 | 10.77 | 10.77 | 10.80 | 10.83 | 10.85 | 10.93 | 10.92 | 10.93 | | 10.96 | 10.91 | 11.01 | 10.97 | 10.97 | 11.00 | 11.04 | 11.20 | 10.95 | | 10.64 |
| 100 | 10.93 | 10.71 | 10.75 | 10.76 | 10.75 | 10.78 | 10.82 | 10.85 | 10.95 | 10.89 | 10.89 | | 10.93 | 10.89 | 10.97 | 10.93 | 10.95 | 10.99 | 10.97 | 11.19 | 10.95 | | 10.63 |
| 110 | 10.93 | 10.71 | 10.75 | 10.75 | 10.75 | 10.76 | 10.80 | 10.81 | 10.88 | 10.87 | 10.87 | | 10.89 | 10.87 | 10.92 | 10.89 | 10.95 | 10.95 | 10.94 | 11.17 | 10.94 | | 10.61 |
| 120 | 10.93 | 10.70 | 10.74 | 10.74 | 10.73 | 10.75 | 10.79 | 10.81 | 10.88 | 10.85 | 10.86 | | 10.87 | 10.84 | 10.89 | 10.87 | 10.92 | 10.91 | 10.92 | 11.16 | 10.94 | | 10.60 |
| 130 | 10.93 | 10.70 | 10.73 | 10.73 | 10.72 | 10.74 | 10.78 | 10.78 | 10.84 | 10.83 | 10.83 | | 10.84 | 10.82 | 10.87 | 10.85 | 10.90 | 10.89 | 10.91 | 11.16 | 10.94 | | 10.60 |
| 140 | 10.92 | 10.70 | 10.72 | 10.72 | 10.72 | 10.73 | 10.77 | 10.77 | 10.85 | 10.82 | 10.83 | | 10.84 | 10.81 | 10.86 | 10.84 | 10.88 | 10.88 | 10.90 | 11.16 | 10.94 | | 10.60 |
| 150 | 10.92 | 10.70 | 10.71 | 10.72 | 10.72 | 10.72 | 10.76 | 10.76 | 10.82 | 10.81 | 10.83 | | 10.83 | 10.81 | 10.85 | 10.83 | 10.86 | 10.88 | 10.89 | 11.16 | 10.94 | | 10.60 |
| Dissolved Oxygen (g m ⁻³) | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 10.49 | 10.58 | 10.50 | 10.57 | 10.55 | 10.73 | 10.33 | 9.97 | 9.38 | 9.29 | 9.26 | | 9.40 | 9.70 | 10.07 | 10.40 | 10.60 | 10.90 | 10.90 | 11.03 | 10.90 | | 11.00 |
| 10 | 10.62 | 10.59 | 10.64 | 10.56 | 11.22 | 11.45 | 11.18 | 11.11 | 10.16 | 9.95 | 9.21 | | 10.23 | 9.91 | 10.00 | 11.23 | 11.28 | 10.98 | 11.12 | 11.19 | 11.09 | | 11.03 |
| 20 | 10.53 | 10.45 | 10.62 | 10.52 | 11.91 | 11.69 | 11.66 | 11.95 | 10.92 | 11.21 | 9.56 | | 10.24 | 9.88 | 9.40 | 11.49 | 10.63 | 10.93 | 10.83 | 11.13 | 10.77 | | 11.06 |
| 30 | 10.40 | 10.32 | 10.40 | 10.50 | 12.08 | 11.55 | 11.57 | 11.85 | 11.26 | 11.50 | 9.76 | | 10.45 | 9.83 | 9.22 | 11.59 | 10.78 | 10.87 | 10.91 | 11.21 | 10.77 | | 11.07 |
| 40 | 10.32 | 10.23 | 10.34 | 10.25 | 11.68 | 11.44 | 11.72 | 11.74 | 11.16 | 11.06 | 10.18 | | 10.63 | 9.57 | 9.01 | 10.77 | 10.57 | 10.86 | 10.70 | 11.10 | 10.44 | | 11.10 |
| 50 | 10.36 | 10.22 | 10.31 | 10.18 | 11.54 | 11.11 | 11.61 | 11.20 | 10.96 | 10.88 | 9.89 | | 10.52 | 9.50 | 9.24 | 10.10 | 10.69 | 10.81 | 10.84 | 11.01 | 10.24 | | 11.12 |
| 60 | 10.34 | 10.19 | 10.27 | 10.13 | 11.34 | 10.62 | 10.84 | 10.67 | 10.46 | 10.47 | 9.71 | | 10.07 | 9.36 | 9.20 | 9.38 | 9.33 | 10.78 | 10.66 | 11.11 | 10.18 | | 11.17 |
| 70 | 10.38 | 10.11 | 10.13 | 10.10 | 11.24 | 10.61 | 10.79 | 10.64 | 10.47 | 10.47 | 9.46 | | 10.04 | 9.24 | 6.84 | 9.31 | 9.26 | 10.69 | 10.79 | 11.11 | 10.04 | | 11.18 |
| 80 | 10.29 | 10.06 | 10.21 | 10.08 | 11.15 | 10.39 | 10.43 | 10.17 | 10.01 | 10.13 | 9.40 | | 9.62 | 9.02 | 10.17 | 8.94 | 8.84 | 9.85 | 9.71 | 11.05 | 10.22 | | 11.21 |
| 90 | 10.28 | 10.05 | 10.08 | 10.06 | 11.13 | 10.38 | 10.30 | 10.20 | 10.06 | 10.06 | 9.31 | | 9.50 | 8.99 | 6.39 | 8.89 | 8.87 | 8.81 | 9.23 | 10.79 | 10.22 | | 11.22 |
| 100 | 10.31 | 10.01 | 10.17 | 10.00 | 11.05 | 10.20 | 9.92 | 9.90 | 9.71 | 9.49 | 9.14 | | 9.13 | 8.85 | 10.68 | 8.72 | 8.63 | 8.64 | 8.35 | 10.02 | 10.15 | | 11.25 |
| 110 | 10.29 | 9.99 | 10.05 | 9.95 | 10.94 | 10.17 | 9.93 | 10.01 | 9.74 | 9.38 | 9.10 | | 9.12 | 8.89 | 6.26 | 8.66 | 8.40 | 8.38 | 8.35 | 9.41 | 10.16 | | 11.26 |
| 120 | 10.29 | 9.95 | 10.10 | 9.91 | 10.96 | 10.01 | 9.47 | 9.52 | 9.33 | 9.12 | 8.87 | | 8.84 | 8.62 | 8.17 | 8.44 | 8.26 | 8.16 | 8.20 | 9.23 | 10.02 | | 11.30 |
| 130 | 10.30 | 9.89 | 9.92 | 9.89 | 10.77 | 10.02 | 9.39 | 9.45 | 9.49 | 9.18 | 8.80 | | 8.83 | 8.59 | 7.63 | 8.33 | 8.33 | 8.08 | 8.15 | 9.10 | 9.98 | | 11.32 |
| 140 | 10.25 | 9.90 | 9.99 | 9.89 | 10.50 | 9.63 | 9.13 | 9.27 | 9.38 | 9.02 | 8.61 | | 8.23 | 8.27 | 8.13 | 7.84 | 7.92 | 7.99 | 7.84 | 9.10 | 9.98 | | 11.34 |
| 150 | 10.20 | 9.90 | 9.66 | 9.66 | 10.45 | 9.43 | 8.94 | 8.57 | 8.88 | 8.42 | 8.02 | | 8.01 | 8.03 | 8.90 | 7.57 | 7.83 | 7.99 | 7.75 | 9.05 | 9.98 | | 11.41 |
| Secchi depth | | | | | | | | | | | | | | | | | | | | | | | |
| (m) | 16 | 9 | 16 | 13 | 14 | 14 | 18 | 18.5 | 13 | 16.5 | 15 | 16 | 16 | 17 | 17 | 17 | 14 | 15.5 | 17 | 17 | 14 | 13 | |

| Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database. | | | | | | | | | | | 2010-2011 | | | | | | | | | |
|--|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|-----------|-----------|
| Mid-Lake site A for the period starting 13 July 2010 | | | | | | | | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | | | | | | | | |
| Date | 13/07/2010 | 10/08/2010 | 24/08/2010 | 13/09/2010 | 5/10/2010 | 26/10/2010 | 10/11/2010 | 25/11/2010 | 21/12/2010 | 11/01/2011 | 27/01/2011 | 17/02/2011 | 1/03/2011 | 15/03/2011 | 13/04/2011 | 10/05/2011 | 31/05/2011 | 22/06/2011 | 5/07/2011 | 9/08/2011 |
| Depth (m) | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.31 | 11.01 | 10.92 | 11.37 | 11.90 | 13.00 | 13.98 | 15.96 | 18.32 | 19.75 | 19.62 | 20.54 | 20.47 | 19.94 | 17.68 | 15.51 | 14.13 | 13.11 | 12.35 | 11.07 |
| 10 | 11.29 | 10.96 | 10.86 | 11.02 | 11.66 | 11.72 | 13.25 | 15.65 | 18.25 | 19.62 | 19.58 | 20.44 | 20.48 | 19.72 | 17.67 | 15.52 | 14.14 | 13.13 | 12.33 | 10.95 |
| 20 | 11.29 | 10.95 | 10.85 | 10.95 | 11.23 | 11.53 | 13.13 | 13.81 | 14.51 | 17.39 | 18.98 | 20.35 | 20.48 | 19.53 | 17.64 | 15.50 | 14.15 | 13.12 | 12.33 | 10.94 |
| 30 | 11.28 | 10.95 | 10.85 | 10.89 | 11.01 | 11.44 | 11.88 | 12.10 | 12.53 | 12.88 | 15.19 | 16.03 | 15.33 | 15.41 | 17.62 | 15.43 | 14.15 | 13.12 | 12.33 | 10.93 |
| 40 | 11.28 | 10.95 | 10.85 | 10.85 | 10.96 | 11.37 | 11.54 | 11.42 | 11.66 | 11.62 | 12.22 | 12.26 | 12.17 | 12.27 | 12.12 | 15.32 | 14.15 | 13.13 | 12.33 | 10.94 |
| 50 | 11.28 | 10.95 | 10.85 | 10.85 | 10.88 | 11.31 | 11.17 | 11.11 | 11.24 | 11.37 | 11.47 | 12.09 | 11.31 | 11.43 | 11.39 | 12.27 | 11.84 | 13.11 | 12.32 | 10.94 |
| 60 | 11.26 | 10.94 | 10.83 | 10.83 | 10.85 | 11.21 | 11.02 | 10.98 | 11.03 | 11.08 | 11.13 | 11.33 | 11.10 | 11.11 | 11.12 | 11.28 | 11.31 | 11.38 | 11.41 | 10.94 |
| 70 | 11.01 | 10.94 | 10.81 | 10.82 | 10.82 | 11.03 | 10.93 | 10.91 | 10.92 | 10.96 | 10.97 | 11.09 | 10.98 | 11.02 | 10.99 | 11.09 | 11.11 | 11.19 | 11.18 | 10.94 |
| 80 | 10.96 | 10.92 | 10.80 | 10.81 | 10.80 | 10.89 | 10.85 | 10.87 | 10.88 | 10.89 | 10.90 | 10.96 | 10.93 | 10.97 | 10.95 | 11.00 | 11.03 | 11.07 | 11.03 | 10.94 |
| 90 | 10.79 | 10.84 | 10.78 | 10.81 | 10.78 | 10.88 | 10.82 | 10.84 | 10.85 | 10.86 | 10.86 | 10.92 | 10.92 | 10.92 | 10.92 | 10.97 | 11.00 | 11.00 | 11.02 | 10.94 |
| 100 | 10.75 | 10.81 | 10.76 | 10.80 | 10.76 | 10.83 | 10.81 | 10.83 | 10.84 | 10.86 | 10.85 | 10.89 | 10.90 | 10.90 | 10.89 | 10.93 | 10.97 | 10.97 | 10.98 | 10.93 |
| 110 | 10.70 | 10.75 | 10.76 | 10.80 | 10.75 | 10.82 | 10.78 | 10.81 | 10.81 | 10.85 | 10.84 | 10.88 | 10.90 | 10.87 | 10.88 | 10.91 | 10.95 | 10.95 | 10.97 | 10.93 |
| 120 | 10.68 | 10.73 | 10.75 | 10.80 | 10.75 | 10.80 | 10.77 | 10.81 | 10.80 | 10.84 | 10.84 | 10.87 | 10.88 | 10.87 | 10.87 | 10.90 | 10.95 | 10.94 | 10.97 | 10.93 |
| 130 | 10.67 | 10.71 | 10.75 | 10.78 | 10.75 | 10.78 | 10.77 | 10.80 | 10.79 | 10.83 | 10.83 | 10.87 | 10.87 | 10.85 | 10.86 | 10.89 | 10.92 | 10.92 | 10.95 | 10.93 |
| 140 | 10.66 | 10.71 | 10.74 | 10.76 | 10.75 | 10.79 | 10.77 | 10.80 | 10.79 | 10.83 | 10.83 | 10.85 | 10.85 | 10.85 | 10.84 | 10.87 | 10.92 | 10.91 | 10.92 | 10.92 |
| 150 | 10.66 | 10.70 | 10.74 | 10.76 | 10.75 | 10.77 | 10.77 | 10.80 | 10.79 | 10.82 | 10.83 | 10.84 | 10.85 | 10.85 | 10.84 | 10.87 | 10.91 | 10.90 | 10.93 | 10.92 |
| Dissolved Oxygen (g m ⁻³) | | | | | | | | | | | | | | | | | | | | |
| Depth (m) | | | | | | | | | | | | | | | | | | | | |
| 0 | 10.50 | 9.50 | 10.64 | 11.24 | 9.90 | 10.12 | 9.83 | 9.57 | 9.00 | 8.73 | 8.76 | 8.60 | 8.64 | 8.30 | 9.17 | 9.54 | 9.85 | 10.07 | 10.22 | 10.49 |
| 10 | 11.42 | 11.29 | 10.52 | 10.92 | 9.80 | 9.78 | 9.68 | 9.32 | 8.37 | 8.00 | 7.98 | 8.63 | 8.64 | 8.73 | 9.64 | 10.26 | 10.71 | 10.30 | 10.27 | 10.62 |
| 20 | 11.57 | 11.60 | 10.50 | 10.62 | 9.68 | 9.76 | 9.52 | 10.10 | 9.06 | 8.74 | 7.96 | 8.61 | 8.69 | 9.15 | 9.93 | 10.81 | 11.21 | 10.84 | 10.09 | 10.53 |
| 30 | 11.65 | 11.63 | 10.44 | 10.71 | 9.64 | 9.75 | 9.29 | 10.07 | 9.52 | 8.57 | 7.91 | 8.72 | 8.99 | 9.55 | 9.86 | 10.72 | 10.99 | 10.92 | 10.10 | 10.40 |
| 40 | 11.35 | 11.59 | 10.41 | 10.13 | 9.51 | 9.54 | 9.18 | 9.70 | 9.31 | 8.86 | 8.23 | 9.26 | 9.40 | 10.06 | 10.23 | 10.51 | 10.91 | 11.05 | 10.07 | 10.32 |
| 50 | 11.30 | 11.63 | 10.37 | 10.17 | 9.47 | 9.56 | 9.05 | 9.58 | 9.14 | 8.55 | 8.08 | 9.17 | 9.33 | 9.63 | 9.78 | 10.15 | 10.57 | 10.97 | 10.07 | 10.36 |
| 60 | 11.04 | 11.67 | 10.31 | 10.03 | 9.34 | 9.32 | 8.86 | 9.24 | 8.86 | 8.41 | 7.90 | 8.84 | 8.84 | 9.13 | 9.67 | 9.44 | 9.26 | 9.54 | 8.80 | 10.34 |
| 70 | 10.73 | 11.81 | 10.25 | 10.04 | 9.31 | 9.27 | 8.81 | 9.29 | 8.71 | 8.29 | 7.66 | 8.70 | 8.76 | 9.11 | 9.12 | 9.28 | 9.01 | 9.41 | 8.62 | 10.38 |
| 80 | 10.04 | 11.58 | 10.22 | 9.85 | 9.25 | 8.90 | 8.75 | 9.03 | 8.49 | 8.10 | 7.51 | 8.28 | 8.43 | 8.92 | 9.08 | 9.13 | 8.65 | 8.96 | 8.10 | 10.29 |
| 90 | 9.68 | 11.21 | 10.18 | 9.87 | 9.19 | 8.90 | 8.72 | 9.24 | 8.47 | 7.93 | 7.42 | 8.19 | 8.31 | 9.03 | 8.46 | 9.06 | 8.72 | 8.91 | 8.06 | 10.28 |
| 100 | 9.25 | 10.56 | 10.15 | 9.64 | 9.17 | 8.78 | 8.73 | 8.80 | 8.31 | 7.70 | 7.33 | 7.93 | 8.03 | 8.53 | 8.22 | 8.59 | 8.37 | 8.68 | 7.81 | 10.31 |
| 110 | 9.06 | 10.35 | 10.10 | 9.67 | 9.11 | 8.73 | 8.64 | 9.12 | 8.35 | 7.56 | 7.26 | 7.90 | 8.00 | 8.55 | 8.06 | 8.60 | 8.27 | 8.53 | 7.72 | 10.29 |
| 120 | 8.71 | 9.83 | 10.06 | 9.43 | 9.04 | 8.61 | 8.66 | 8.84 | 8.07 | 7.46 | 7.18 | 7.86 | 7.95 | 8.40 | 7.92 | 8.27 | 7.91 | 8.45 | 7.67 | 10.29 |
| 130 | 8.66 | 9.44 | 10.05 | 9.49 | 8.95 | 8.60 | 8.66 | 8.67 | 8.04 | 7.45 | 7.16 | 7.85 | 7.91 | 8.35 | 7.42 | 8.06 | 7.84 | 8.08 | 7.54 | 10.30 |
| 140 | 8.59 | 9.34 | 10.10 | 8.83 | 8.84 | 8.36 | 8.66 | 8.62 | 7.50 | 7.42 | 7.16 | 7.80 | 7.79 | 7.43 | 7.48 | 7.72 | 7.62 | 7.81 | 7.15 | 10.25 |
| 150 | 8.33 | 9.10 | 9.96 | 8.71 | 8.81 | 8.17 | 8.66 | 8.51 | 7.46 | 7.30 | 7.16 | 7.47 | 7.51 | 7.52 | 6.98 | 7.24 | 7.40 | 7.30 | 7.00 | 10.20 |
| Secchi depth | | | | | | | | | | | | | | | | | | | | |
| (m) | 14.5 | 12.8 | 11 | 10.5 | 10.8 | 12.5 | 11.5 | 14.2 | 17 | 11 | 17 | 12 | 19 | 15 | 17 | 16.5 | 17 | 14 | 13 | 16 |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.

2009-2010

Mid-Lake site A for the period starting 6 July 2009

Temperature

| Date | 6/07/2009 | 13/08/2009 | 7/09/2009 | 17/09/2009 | 19/10/2009 | 12/11/2009 | 17/12/2009 | 13/01/2010 | 2/02/2010 | 11/02/2010 | 18/02/2010 | 10/03/2010 | 8/04/2010 | 28/04/2010 | 20/05/2010 | 3/06/2010 | 23/06/2010 | 13/07/2010 | 10/08/2010 | |
|-----------|-----------|------------|-----------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|-----------|------------|------------|-----------|------------|------------|------------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | |
| 0 | 10.93 | 10.43 | 10.56 | 11.63 | 11.72 | 13.00 | 16.99 | 17.89 | 19.23 | 20.60 | 20.45 | 20.08 | 17.36 | 16.38 | 15.09 | 14.11 | 12.23 | 11.31 | 11.01 | |
| 10 | 10.93 | 10.41 | 10.52 | 11.08 | 11.25 | 12.54 | 16.25 | 17.89 | 19.15 | 20.53 | 20.40 | 20.04 | 17.35 | 16.31 | 15.09 | 14.00 | 12.25 | 11.29 | 10.96 | |
| 20 | 10.92 | 10.41 | 10.51 | 10.71 | 11.24 | 12.43 | 15.85 | 17.56 | 17.60 | 18.34 | 18.73 | 19.69 | 17.35 | 16.30 | 15.09 | 13.99 | 12.23 | 11.29 | 10.95 | |
| 30 | 10.92 | 10.41 | 10.47 | 10.57 | 11.20 | 12.19 | 13.45 | 13.21 | 13.95 | 14.51 | 13.91 | 15.56 | 17.34 | 16.12 | 15.08 | 13.99 | 12.25 | 11.28 | 10.95 | |
| 40 | 10.91 | 10.38 | 10.47 | 10.50 | 10.98 | 11.77 | 12.54 | 11.65 | 11.92 | 12.03 | 12.02 | 12.23 | 12.28 | 12.72 | 12.41 | 11.71 | 12.21 | 11.28 | 10.95 | |
| 50 | 10.92 | 10.36 | 10.47 | 10.49 | 10.67 | 11.40 | 11.34 | 11.20 | 11.13 | 11.07 | 11.10 | 11.20 | 11.19 | 11.21 | 11.25 | 11.12 | 11.02 | 11.28 | 10.95 | |
| 60 | 10.92 | 10.36 | 10.46 | 10.48 | 10.58 | 10.97 | 10.86 | 11.02 | 10.86 | 10.88 | 10.86 | 10.84 | 10.82 | 10.85 | 10.88 | 10.90 | 10.84 | 11.26 | 10.94 | |
| 70 | 10.92 | 10.36 | 10.46 | 10.48 | 10.53 | 10.67 | 10.68 | 10.71 | 10.68 | 10.68 | 10.67 | 10.68 | 10.67 | 10.73 | 10.73 | 10.77 | 10.72 | 11.01 | 10.94 | |
| 80 | 10.91 | 10.35 | 10.46 | 10.47 | 10.50 | 10.56 | 10.57 | 10.59 | 10.59 | 10.62 | 10.63 | 10.62 | 10.62 | 10.65 | 10.66 | 10.69 | 10.69 | 10.96 | 10.92 | |
| 90 | 10.92 | 10.34 | 10.46 | 10.47 | 10.49 | 10.54 | 10.53 | 10.51 | 10.55 | 10.58 | 10.57 | 10.58 | 10.60 | 10.60 | 10.63 | 10.65 | 10.67 | 10.79 | 10.84 | |
| 100 | 10.92 | 10.34 | 10.46 | 10.46 | 10.47 | 10.50 | 10.49 | 10.51 | 10.52 | 10.55 | 10.53 | 10.56 | 10.57 | 10.59 | 10.60 | 10.63 | 10.65 | 10.75 | 10.81 | |
| 110 | 10.91 | 10.33 | 10.46 | 10.46 | 10.46 | 10.46 | 10.48 | 10.51 | 10.52 | 10.52 | 10.51 | 10.53 | 10.57 | 10.56 | 10.58 | 10.61 | 10.64 | 10.70 | 10.75 | |
| 120 | 10.91 | 10.33 | 10.44 | 10.45 | 10.44 | 10.44 | 10.46 | 10.49 | 10.50 | 10.51 | 10.51 | 10.52 | 10.55 | 10.55 | 10.57 | 10.59 | 10.64 | 10.68 | 10.73 | |
| 130 | 10.91 | 10.33 | 10.36 | 10.42 | 10.43 | 10.42 | 10.44 | 10.48 | 10.49 | 10.50 | 10.50 | 10.51 | 10.53 | 10.54 | 10.55 | 10.56 | 10.62 | 10.67 | 10.71 | |
| 140 | 10.90 | 10.33 | 10.35 | 10.38 | 10.41 | 10.40 | 10.44 | 10.47 | 10.49 | 10.50 | 10.50 | 10.51 | 10.53 | 10.54 | 10.55 | 10.56 | 10.61 | 10.66 | 10.71 | |
| 150 | 10.90 | 10.30 | 10.35 | 10.38 | 10.41 | 10.40 | 10.44 | 10.46 | 10.49 | 10.49 | 10.50 | 10.51 | 10.53 | 10.54 | 10.55 | 10.56 | 10.61 | 10.66 | 10.70 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | 6/07/2009 | 13/08/2009 | 7/09/2009 | 17/09/2009 | 19/10/2009 | 12/11/2009 | 17/12/2009 | 13/01/2010 | 2/02/2010 | 11/02/2010 | 18/02/2010 | 10/03/2010 | 8/04/2010 | 28/04/2010 | 20/05/2010 | 3/06/2010 | 23/06/2010 | 13/07/2010 | 10/08/2010 |
|-----------|-----------|------------|-----------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|-----------|------------|------------|-----------|------------|------------|------------|
| 0 | 8.91 | 9.83 | 9.37 | 10.58 | 11.67 | 9.88 | 9.66 | 9.48 | 9.29 | 9.47 | 9.34 | 8.84 | 9.48 | 10.48 | 10.57 | 10.44 | 10.54 | 10.50 | 9.50 |
| 10 | 9.88 | 10.72 | 10.29 | 11.08 | 12.13 | 10.80 | 9.63 | 9.18 | 9.26 | 9.40 | 9.32 | 8.28 | 10.17 | 10.17 | 11.29 | 10.25 | 10.86 | 11.42 | 11.29 |
| 20 | 11.06 | 11.48 | 10.48 | 11.00 | 11.79 | 10.78 | 9.58 | 9.62 | 9.38 | 9.71 | 9.59 | 8.75 | 9.66 | 9.39 | 10.84 | 10.34 | 10.40 | 11.57 | 11.60 |
| 30 | 11.31 | 11.57 | 10.49 | 10.68 | 11.78 | 10.84 | 9.71 | 9.34 | 9.17 | 9.65 | 9.45 | 8.92 | 9.43 | 9.09 | 10.63 | 10.39 | 10.38 | 11.65 | 11.63 |
| 40 | 11.28 | 11.39 | 10.46 | 10.40 | 11.24 | 10.56 | 9.31 | 9.15 | 8.86 | 8.72 | 8.75 | 8.60 | 9.04 | 8.53 | 9.06 | 9.39 | 10.28 | 11.35 | 11.59 |
| 50 | 11.29 | 11.39 | 10.36 | 10.31 | 11.10 | 10.47 | 9.29 | 8.78 | 8.36 | 8.21 | 8.44 | 8.14 | 8.57 | 8.13 | 8.68 | 9.26 | 9.46 | 11.30 | 11.63 |
| 60 | 11.03 | 11.20 | 10.18 | 10.15 | 10.10 | 9.86 | 8.78 | 8.68 | 8.06 | 7.94 | 7.99 | 7.73 | 8.31 | 7.92 | 8.11 | 8.93 | 9.04 | 11.04 | 11.67 |
| 70 | 11.05 | 11.16 | 10.21 | 10.12 | 10.02 | 9.86 | 8.60 | 8.31 | 7.88 | 7.76 | 7.97 | 7.59 | 8.11 | 7.84 | 8.08 | 8.84 | 8.82 | 10.73 | 11.81 |
| 80 | 10.83 | 10.86 | 10.09 | 10.11 | 9.70 | 9.24 | 8.34 | 8.27 | 7.69 | 7.74 | 7.70 | 7.51 | 7.97 | 7.70 | 8.03 | 8.54 | 8.55 | 10.04 | 11.58 |
| 90 | 10.87 | 10.97 | 10.16 | 10.02 | 9.72 | 9.26 | 8.25 | 7.97 | 7.47 | 7.55 | 7.68 | 7.38 | 7.74 | 7.56 | 7.70 | 8.44 | 8.37 | 9.68 | 11.21 |
| 100 | 10.68 | 10.87 | 10.23 | 10.03 | 9.51 | 8.60 | 8.17 | 7.71 | 7.37 | 7.54 | 7.41 | 7.25 | 7.43 | 7.42 | 7.51 | 8.18 | 8.26 | 9.25 | 10.56 |
| 110 | 10.72 | 10.90 | 10.30 | 9.95 | 9.50 | 8.60 | 8.05 | 7.50 | 7.23 | 7.37 | 7.43 | 7.22 | 7.27 | 7.27 | 7.39 | 8.10 | 8.09 | 9.06 | 10.35 |
| 120 | 10.55 | 10.86 | 9.91 | 10.26 | 9.20 | 8.20 | 7.98 | 7.55 | 7.23 | 7.19 | 7.17 | 7.15 | 7.11 | 7.08 | 7.17 | 7.95 | 8.03 | 8.71 | 9.83 |
| 130 | 10.55 | 10.71 | 9.80 | 10.00 | 9.18 | 8.15 | 7.87 | 7.37 | 7.18 | 7.20 | 7.12 | 6.98 | 7.09 | 7.05 | 7.11 | 7.90 | 8.00 | 8.66 | 9.44 |
| 140 | 10.48 | 10.80 | 9.52 | 9.69 | 8.82 | 7.70 | 7.62 | 7.42 | 6.90 | 6.95 | 6.71 | 6.57 | 6.82 | 6.77 | 6.79 | 7.18 | 7.85 | 8.59 | 9.34 |
| 150 | 10.30 | 10.77 | 9.46 | 9.47 | 8.79 | 7.72 | 7.41 | 7.25 | 6.88 | 6.93 | 6.65 | 6.46 | 6.75 | 6.75 | 6.73 | 7.17 | 7.84 | 8.33 | 9.10 |

Secchi depth

| (m) | 6/07/2009 | 13/08/2009 | 7/09/2009 | 17/09/2009 | 19/10/2009 | 12/11/2009 | 17/12/2009 | 13/01/2010 | 2/02/2010 | 11/02/2010 | 18/02/2010 | 10/03/2010 | 8/04/2010 | 28/04/2010 | 20/05/2010 | 3/06/2010 | 23/06/2010 | 13/07/2010 | 10/08/2010 |
|-----|-----------|------------|-----------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|-----------|------------|------------|-----------|------------|------------|------------|
| | 15 | 12 | 15 | * | 13 | 12.5 | 15 | 14.5 | 16 | * | 17 | 19 | 21.5 | 19 | 19.5 | 14.5 | 14 | 14.5 | 12.8 |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.

2008-2009

Mid-Lake site A for the period starting 11 September 2007

Temperature

| Date | 4/09/2008 | 16/09/2008 | 14/10/2008 | 4/11/2008 | 26/11/2008 | 22/12/2008 | 13/01/2009 | 22/01/2009 | 28/01/2009 | 11/02/2009 | 25/02/2009 | 16/03/2009 | 26/03/2009 | 15/04/2009 | 7/05/2009 | 27/05/2009 | 18/06/2009 | 6/07/2009 | 13/08/2009 | |
|-----------|-----------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|-----------|------------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | |
| 0 | 10.97 | 11.34 | 12.59 | 13.37 | 15.45 | 18.84 | 19.67 | 19.84 | 20.88 | 21.42 | 20.46 | 18.71 | 17.96 | 16.60 | 15.05 | 12.97 | 11.60 | 10.93 | 10.43 | |
| 10 | 10.92 | 11.14 | 12.09 | 12.94 | 15.26 | 17.50 | 19.55 | 19.23 | 20.17 | 21.21 | 20.39 | 18.29 | 17.95 | 16.59 | 15.04 | 12.96 | 11.61 | 10.93 | 10.41 | |
| 20 | 10.85 | 10.99 | 11.93 | 12.62 | 15.17 | 15.77 | 16.97 | 19.12 | 18.45 | 20.04 | 20.37 | 18.25 | 17.94 | 16.59 | 15.04 | 12.96 | 11.61 | 10.92 | 10.41 | |
| 30 | 10.82 | 10.93 | 11.85 | 12.55 | 12.87 | 13.32 | 13.60 | 13.90 | 13.21 | 13.92 | 14.47 | 16.68 | 13.86 | 16.58 | 15.04 | 12.90 | 11.61 | 10.92 | 10.41 | |
| 40 | 10.79 | 10.91 | 11.75 | 12.35 | 12.07 | 12.27 | 12.19 | 12.11 | 11.90 | 12.09 | 12.84 | 12.43 | 12.13 | 12.53 | 12.55 | 12.62 | 11.60 | 10.91 | 10.38 | |
| 50 | 10.75 | 10.88 | 11.59 | 11.51 | 11.44 | 11.39 | 11.33 | 11.52 | 11.31 | 11.50 | 11.62 | 11.56 | 11.45 | 11.56 | 11.64 | 11.50 | 11.60 | 10.92 | 10.36 | |
| 60 | 10.72 | 10.79 | 10.90 | 10.83 | 10.93 | 11.06 | 11.08 | 11.04 | 11.05 | 11.19 | 11.18 | 11.22 | 11.19 | 11.12 | 11.17 | 11.06 | 11.60 | 10.92 | 10.36 | |
| 70 | 10.69 | 10.69 | 10.76 | 10.79 | 10.78 | 10.88 | 10.89 | 10.90 | 10.89 | 10.97 | 10.92 | 10.98 | 10.98 | 10.98 | 11.01 | 10.94 | 11.60 | 10.92 | 10.36 | |
| 80 | 10.66 | 10.68 | 10.71 | 10.72 | 10.76 | 10.81 | 10.82 | 10.87 | 10.84 | 10.86 | 10.87 | 10.88 | 10.89 | 10.92 | 10.93 | 10.90 | 11.59 | 10.91 | 10.35 | |
| 90 | 10.66 | 10.66 | 10.69 | 10.70 | 10.77 | 10.78 | 10.78 | 10.81 | 10.80 | 10.81 | 10.82 | 10.83 | 10.84 | 10.88 | 10.89 | 10.88 | 11.41 | 10.92 | 10.34 | |
| 100 | 10.65 | 10.65 | 10.68 | 10.68 | 10.82 | 10.75 | 10.76 | 10.80 | 10.78 | 10.77 | 10.79 | 10.81 | 10.81 | 10.86 | 10.86 | 10.86 | 11.09 | 10.92 | 10.34 | |
| 110 | 10.64 | 10.64 | 10.66 | 10.67 | 10.78 | 10.73 | 10.75 | 10.78 | 10.74 | 10.76 | 10.77 | 10.80 | 10.79 | 10.84 | 10.86 | 10.85 | 11.00 | 10.91 | 10.33 | |
| 120 | 10.63 | 10.64 | 10.64 | 10.65 | 10.78 | 10.71 | 10.73 | 10.77 | 10.74 | 10.75 | 10.76 | 10.79 | 10.78 | 10.82 | 10.84 | 10.84 | 10.98 | 10.91 | 10.33 | |
| 130 | 10.63 | 10.63 | 10.60 | 10.63 | 10.79 | 10.70 | 10.72 | 10.74 | 10.73 | 10.73 | 10.75 | 10.77 | 10.77 | 10.79 | 10.82 | 10.82 | 10.95 | 10.91 | 10.33 | |
| 140 | 10.63 | 10.62 | 10.59 | 10.63 | 10.81 | 10.70 | 10.72 | 10.73 | 10.72 | 10.73 | 10.74 | 10.77 | 10.76 | 10.78 | 10.80 | 10.81 | 10.94 | 10.90 | 10.33 | |
| 150 | 10.62 | 10.62 | 10.59 | 10.63 | 10.80 | 10.70 | 10.71 | 10.74 | 10.72 | 10.73 | 10.74 | 10.76 | 10.76 | 10.78 | 10.80 | 10.81 | 10.89 | 10.90 | 10.30 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | | | | | | | | | | | | | | | | | | | | |
|-----------|-------|-------|-------|---|-------|------|------|------|------|------|---|------|-------|-------|-------|-------|-------|-------|-------|--|
| 0 | 10.03 | 9.84 | 10.29 | * | 10.09 | 9.29 | 8.67 | 9.24 | 8.52 | 8.48 | * | 9.26 | 9.44 | 9.33 | 10.05 | 10.13 | 10.47 | 8.91 | 9.83 | |
| 10 | 10.85 | 10.65 | 10.29 | * | 10.08 | 9.72 | 9.21 | 8.89 | 8.45 | 8.34 | * | 9.16 | 10.06 | 10.11 | 10.15 | 10.25 | 10.73 | 9.88 | 10.72 | |
| 20 | 10.90 | 11.05 | 10.50 | * | 10.00 | 9.39 | 8.88 | 8.68 | 8.47 | 8.19 | * | 9.40 | 10.55 | 10.76 | 10.15 | 10.13 | 10.59 | 11.06 | 11.48 | |
| 30 | 11.12 | 10.91 | 10.46 | * | 9.79 | 9.81 | 9.02 | 8.53 | 8.54 | 8.20 | * | 9.12 | 10.34 | 10.83 | 10.15 | 10.17 | 10.57 | 11.31 | 11.57 | |
| 40 | 10.76 | 10.82 | 10.34 | * | 9.23 | 9.69 | 8.96 | 8.46 | 8.06 | 8.36 | * | 8.24 | 9.86 | 10.39 | 9.15 | 9.78 | 10.56 | 11.28 | 11.39 | |
| 50 | 10.88 | 10.63 | 10.05 | * | 9.10 | 9.05 | 8.49 | 8.06 | 7.98 | 7.92 | * | 7.97 | 9.25 | 9.58 | 8.91 | 9.47 | 10.49 | 11.29 | 11.39 | |
| 60 | 10.74 | 10.55 | 9.89 | * | 8.54 | 8.77 | 8.25 | 7.91 | 7.81 | 7.80 | * | 7.62 | 8.97 | 9.06 | 8.67 | 8.73 | 10.40 | 11.03 | 11.20 | |
| 70 | 10.52 | 10.25 | 9.86 | * | 8.60 | 8.53 | 8.10 | 7.64 | 7.74 | 7.71 | * | 7.55 | 8.94 | 8.84 | 8.51 | 8.60 | 10.43 | 11.05 | 11.16 | |
| 80 | 10.48 | 10.20 | 9.81 | * | 8.43 | 8.47 | 7.98 | 7.46 | 7.66 | 7.64 | * | 7.44 | 8.54 | 8.21 | 7.79 | 8.25 | 10.43 | 10.83 | 10.86 | |
| 90 | 10.34 | 10.13 | 9.85 | * | 8.44 | 8.21 | 7.92 | 7.38 | 7.56 | 7.60 | * | 7.37 | 8.45 | 8.24 | 7.79 | 8.24 | 10.25 | 10.87 | 10.97 | |
| 100 | 10.28 | 10.10 | 10.03 | * | 8.20 | 8.22 | 7.78 | 7.25 | 7.53 | 7.44 | * | 7.26 | 8.24 | 8.07 | 7.65 | 8.10 | 8.65 | 10.68 | 10.87 | |
| 110 | 9.79 | 10.00 | 10.13 | * | 8.31 | 7.99 | 7.67 | 7.22 | 7.47 | 7.31 | * | 7.20 | 8.26 | 8.12 | 7.62 | 8.06 | 8.53 | 10.72 | 10.90 | |
| 120 | 9.62 | 9.97 | 10.09 | * | 8.04 | 7.91 | 7.63 | 7.17 | 7.32 | 7.26 | * | 7.01 | 7.94 | 8.02 | 7.63 | 7.79 | 8.17 | 10.55 | 10.86 | |
| 130 | 9.42 | 9.75 | 9.83 | * | 8.09 | 7.70 | 7.48 | 7.21 | 7.24 | 7.04 | * | 7.03 | 7.93 | 8.15 | 7.59 | 7.83 | 8.11 | 10.55 | 10.71 | |
| 140 | 9.37 | 9.52 | 9.76 | * | 7.88 | 7.59 | 7.40 | 7.24 | 7.08 | 6.92 | * | 6.68 | 7.08 | 8.01 | 7.74 | 7.49 | 7.99 | 10.48 | 10.80 | |
| 150 | 9.17 | 9.24 | 9.85 | * | 7.85 | 7.48 | 7.25 | 7.03 | 6.90 | 6.72 | * | 6.59 | 6.91 | 7.55 | 7.35 | 7.30 | 7.97 | 10.30 | 10.77 | |

Secchi depth

| (m) | 13.0 | 14.5 | 12.2 | 12.0 | 10.0 | 12.0 | 13.0 | 14.8 | 18.0 | 22.0 | 20.0 | 15.6 | 18.5 | 18.0 | 16.0 | 15.0 | 16.0 | 15.0 | 12.0 |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | | | | | | | | | | |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.

2007-2008

Mid-Lake site A for the period starting 11 September 2007

Temperature

| Date | 11/9/2007 | 9/10/2007 | 30/10/2007 | 15/11/2007 | 4/12/2007 | 20/12/2007 | 17/01/2008 | 31/01/2008 | 14/02/2008 | 27/02/2008 | 13/03/2008 | 26/03/2008 | 17/04/2008 | 7/05/2008 | 22/05/2008 | 5/06/2008 | 19/06/2008 | 1/07/2008 | 15/07/2008 | 7/08/2008 | 20/08/2008 | |
|-----------|-----------|-----------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.00 | 12.33 | 12.84 | 13.47 | 16.64 | 17.38 | 21.23 | 19.79 | 19.87 | 19.28 | 18.83 | 19.26 | 17.88 | 15.67 | 14.65 | 13.60 | 12.89 | 11.97 | 11.42 | 11.06 | 10.70 | |
| 10 | 10.99 | 11.69 | 11.83 | 13.19 | 16.20 | 17.15 | 19.96 | 19.62 | 19.81 | 19.26 | 18.75 | 19.24 | 17.87 | 15.67 | 14.65 | 13.60 | 12.90 | 12.03 | 11.41 | 10.98 | 10.70 | |
| 20 | 10.98 | 11.67 | 11.76 | 12.92 | 14.48 | 14.76 | 17.21 | 17.59 | 19.65 | 19.24 | 18.75 | 18.92 | 17.85 | 15.67 | 14.65 | 13.59 | 12.90 | 12.03 | 11.40 | 10.98 | 10.69 | |
| 30 | 10.99 | 11.44 | 11.70 | 12.86 | 12.58 | 13.19 | 13.64 | 13.82 | 16.07 | 14.08 | 16.20 | 16.92 | 15.58 | 15.67 | 14.65 | 13.60 | 12.90 | 12.01 | 11.40 | 10.98 | 10.69 | |
| 40 | 10.99 | 11.42 | 11.64 | 12.78 | 12.02 | 12.18 | 12.26 | 12.31 | 12.63 | 12.24 | 12.54 | 12.44 | 12.38 | 15.27 | 12.27 | 13.60 | 12.90 | 12.03 | 11.40 | 10.98 | 10.69 | |
| 50 | 10.99 | 11.39 | 11.51 | 11.80 | 11.69 | 11.75 | 11.64 | 11.61 | 11.80 | 11.71 | 11.76 | 11.77 | 11.72 | 12.11 | 11.66 | 11.93 | 12.86 | 12.03 | 11.39 | 10.99 | 10.70 | |
| 60 | 10.99 | 11.34 | 11.43 | 11.49 | 11.42 | 11.53 | 11.41 | 11.39 | 11.47 | 11.44 | 11.47 | 11.48 | 11.48 | 11.56 | 11.44 | 11.54 | 11.60 | 12.03 | 11.39 | 10.98 | 10.70 | |
| 70 | 10.99 | 11.16 | 11.32 | 11.37 | 11.29 | 11.33 | 11.23 | 11.26 | 11.33 | 11.30 | 11.34 | 11.29 | 11.34 | 11.37 | 11.30 | 11.37 | 11.36 | 11.61 | 11.38 | 10.98 | 10.70 | |
| 80 | 10.96 | 11.00 | 11.23 | 11.31 | 11.25 | 11.23 | 11.22 | 11.17 | 11.25 | 11.25 | 11.24 | 11.23 | 11.27 | 11.29 | 11.27 | 11.29 | 11.27 | 11.39 | 11.38 | 10.98 | 10.70 | |
| 90 | 10.96 | 10.98 | 11.16 | 11.17 | 11.14 | 11.12 | 11.12 | 11.11 | 11.19 | 11.18 | 11.18 | 11.17 | 11.20 | 11.21 | 11.22 | 11.24 | 11.23 | 11.29 | 11.35 | 10.98 | 10.70 | |
| 100 | 10.96 | 10.98 | 11.07 | 11.10 | 11.10 | 11.09 | 11.12 | 11.09 | 11.15 | 11.14 | 11.14 | 11.14 | 11.17 | 11.16 | 11.18 | 11.21 | 11.21 | 11.28 | 11.30 | 10.98 | 10.70 | |
| 110 | 10.96 | 10.97 | 11.04 | 11.04 | 11.07 | 11.04 | 11.06 | 11.08 | 11.11 | 11.11 | 11.11 | 11.12 | 11.14 | 11.16 | 11.16 | 11.19 | 11.19 | 11.28 | 11.25 | 10.98 | 10.70 | |
| 120 | 10.96 | 10.96 | 11.02 | 11.02 | 11.05 | 11.03 | 11.04 | 11.06 | 11.07 | 11.09 | 11.09 | 11.11 | 11.15 | 11.15 | 11.15 | 11.16 | 11.17 | 11.25 | 11.22 | 10.98 | 10.70 | |
| 130 | 10.96 | 10.96 | 11.00 | 11.00 | 11.02 | 11.00 | 11.02 | 11.05 | 11.06 | 11.07 | 11.07 | 11.09 | 11.12 | 11.12 | 11.13 | 11.15 | 11.15 | 11.22 | 11.20 | 10.98 | 10.70 | |
| 140 | 10.96 | 10.96 | 10.98 | 10.97 | 10.99 | 11.01 | 11.00 | 11.05 | 11.05 | 11.06 | 11.06 | 11.08 | 11.11 | 11.11 | 11.12 | 11.13 | 11.15 | 11.17 | 11.19 | 10.98 | 10.70 | |
| 150 | 10.96 | 10.95 | 10.96 | 10.95 | 10.98 | 10.99 | 11.00 | 11.04 | 11.04 | 11.05 | 11.06 | 11.08 | 11.11 | 11.10 | 11.12 | 11.13 | 11.15 | 11.16 | 11.19 | 10.98 | 10.70 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | 11/9/2007 | 9/10/2007 | 30/10/2007 | 15/11/2007 | 4/12/2007 | 20/12/2007 | 17/01/2008 | 31/01/2008 | 14/02/2008 | 27/02/2008 | 13/03/2008 | 26/03/2008 | 17/04/2008 | 7/05/2008 | 22/05/2008 | 5/06/2008 | 19/06/2008 | 1/07/2008 | 15/07/2008 | 7/08/2008 | 20/08/2008 |
|-----------|-----------|-----------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| 0 | 11.00 | 10.23 | 10.18 | 10.03 | 9.35 | 9.21 | 8.61 | * | 10.77 | 9.20 | 9.38 | 9.87 | 9.49 | 9.91 | 10.13 | 10.36 | 10.53 | 10.75 | 10.89 | 10.21 | 9.55 |
| 10 | 11.12 | 10.37 | 10.27 | 10.11 | 9.45 | 9.24 | 8.63 | * | 8.76 | 9.09 | 9.05 | 8.61 | 8.97 | 9.04 | 9.37 | 9.84 | 10.26 | 10.63 | 10.66 | 11.03 | 10.80 |
| 20 | 10.87 | 10.12 | 10.25 | 10.07 | 9.23 | 9.21 | 8.70 | * | 9.00 | 9.32 | 9.24 | 8.85 | 8.46 | 8.97 | 9.18 | 9.72 | 10.14 | 10.32 | 10.51 | 11.04 | 11.16 |
| 30 | 10.99 | 10.17 | 10.07 | 10.17 | 9.36 | 9.37 | 8.93 | * | 9.35 | 9.45 | 9.01 | 8.73 | 8.52 | 8.86 | 9.16 | 9.63 | 10.10 | 10.37 | 10.48 | 10.94 | 11.11 |
| 40 | 10.84 | 9.92 | 10.02 | 9.97 | 9.09 | 9.09 | 8.69 | * | 9.01 | 8.92 | 8.96 | 8.57 | 8.72 | 8.87 | 8.68 | 9.81 | 10.12 | 10.40 | 10.42 | 10.72 | 11.08 |
| 50 | 10.92 | 10.09 | 9.85 | 9.66 | 9.08 | 9.21 | 8.67 | * | 8.64 | 8.82 | 8.60 | 8.51 | 8.48 | 8.45 | 8.56 | 9.22 | 10.10 | 10.31 | 10.52 | 10.83 | 11.07 |
| 60 | 11.07 | 9.96 | 9.52 | 9.75 | 9.14 | 8.69 | 8.60 | 8.70 | 8.44 | 8.49 | 8.34 | 8.15 | 8.20 | 8.25 | 8.58 | 8.96 | 9.51 | 10.36 | 10.45 | 10.60 | 11.05 |
| 70 | 10.89 | 9.90 | 9.77 | 9.30 | 8.74 | 8.69 | 8.26 | 8.22 | 8.19 | 8.15 | 8.02 | 7.79 | 7.84 | 7.89 | 8.37 | 8.65 | 9.07 | 10.28 | 10.39 | 10.76 | 10.98 |
| 80 | 10.90 | 9.59 | 9.58 | 9.12 | 8.76 | 8.38 | 8.03 | 8.05 | 8.16 | 7.88 | 7.92 | 7.52 | 7.71 | 7.90 | 8.30 | 8.53 | 8.91 | 9.60 | 10.34 | 10.74 | 10.96 |
| 90 | 10.66 | 9.63 | 9.42 | 9.07 | 8.62 | 8.46 | 8.10 | 8.06 | 7.99 | 7.87 | 7.76 | 7.47 | 7.57 | 7.68 | 8.22 | 8.45 | 8.72 | 9.18 | 10.23 | 10.73 | 10.91 |
| 100 | 10.64 | 9.58 | 9.49 | 9.14 | 8.46 | 8.41 | 7.90 | 7.90 | 7.97 | 7.86 | 7.69 | 7.45 | 7.45 | 7.46 | 8.14 | 8.44 | 8.66 | 9.06 | 9.93 | 10.72 | 10.90 |
| 110 | 10.62 | 9.57 | 9.16 | 8.83 | 8.37 | 8.46 | 7.83 | 7.87 | 7.81 | 7.64 | 7.50 | 7.20 | 7.29 | 7.38 | 8.03 | 8.19 | 8.43 | 8.72 | 9.34 | 10.68 | 10.84 |
| 120 | 10.66 | 9.52 | 9.27 | 8.95 | 8.42 | 8.08 | 7.95 | 7.52 | 7.82 | 7.39 | 7.45 | 7.20 | 7.29 | 7.38 | 7.94 | 8.16 | 8.32 | 8.55 | 8.94 | 10.67 | 10.83 |
| 130 | 10.42 | 9.35 | 9.01 | 8.81 | 8.31 | 8.13 | 7.72 | 7.40 | 7.59 | 7.41 | 7.27 | 7.16 | 7.18 | 7.19 | 7.86 | 7.86 | 8.14 | 8.31 | 8.79 | 10.63 | 10.57 |
| 140 | 10.40 | 9.30 | 9.11 | 8.81 | 8.28 | 7.88 | 7.74 | 7.27 | 7.62 | 7.05 | 7.10 | 7.10 | 7.13 | 7.17 | 7.81 | 7.61 | 8.01 | 8.25 | 8.48 | 10.62 | 10.38 |
| 150 | 10.37 | 9.13 | 8.91 | 8.45 | 7.95 | 7.95 | 7.33 | 7.35 | 7.27 | 7.00 | 6.76 | 6.59 | 6.72 | 6.85 | 7.40 | 7.50 | 7.73 | 8.08 | 8.48 | 10.57 | 9.67 |

| Secchi depth (m) | 11 | 15 | 16 | 14 | 15 | 17.5 | 22.5 | 21.5 | 25 | 22 | 22 | 19 | 20.5 | 16 | 17 | 15 | 16.5 | 14 | 13 | 12.5 | 12.5 |
|------------------|----|----|----|----|----|------|------|------|----|----|----|----|------|----|----|----|------|----|----|------|------|
|------------------|----|----|----|----|----|------|------|------|----|----|----|----|------|----|----|----|------|----|----|------|------|

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
Mid-Lake site A for the period starting 4 September 2006

2006-2007

Temperature

| Date | 4/09/2006 | 26/09/2006 | 18/10/2006 | 1/11/2006 | 5/12/2006 | 19/12/2006 | 9/01/2007 | 25/01/2007 | 8/02/2007 | 21/02/2007 | 21/03/2007 | 3/04/2007 | 19/04/2007 | 8/05/2007 | 22/05/2007 | 14/06/2007 | 27/06/2007 | 18/07/2007 | 8/08/2007 | 23/08/2007 | 11/09/2007 | |
|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|-----------|------------|-----------|------------|------------|------------|------------|-----------|------------|------------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.10 | 11.88 | 11.72 | 12.43 | 15.21 | 15.62 | 16.51 | 18.60 | 19.31 | 19.58 | 18.70 | 18.04 | 16.49 | 19.29 | 15.17 | 13.56 | 12.38 | 11.43 | 11.15 | 11.00 | 11.00 | |
| 10 | 10.93 | 11.48 | 11.73 | 12.27 | 14.06 | 15.46 | 16.41 | 18.42 | 18.98 | 19.12 | 18.03 | 18.03 | 16.48 | 18.98 | 15.16 | 13.56 | 12.39 | 11.43 | 11.15 | 11.00 | 10.99 | |
| 20 | 10.93 | 11.29 | 11.72 | 12.25 | 13.87 | 14.45 | 15.44 | 17.96 | 18.16 | 17.62 | 17.99 | 17.94 | 16.47 | 18.16 | 15.16 | 13.56 | 12.39 | 11.43 | 11.16 | 11.00 | 10.98 | |
| 30 | 10.89 | 11.19 | 11.69 | 12.20 | 13.69 | 14.15 | 14.42 | 15.82 | 14.86 | 15.17 | 15.18 | 16.72 | 16.47 | 14.86 | 15.16 | 13.56 | 12.39 | 11.36 | 11.15 | 11.00 | 10.99 | |
| 40 | 10.87 | 11.15 | 11.45 | 12.10 | 13.16 | 12.43 | 12.25 | 13.05 | 12.89 | 13.09 | 12.65 | 13.50 | 13.78 | 12.89 | 15.15 | 13.56 | 12.39 | 11.29 | 11.16 | 11.00 | 10.99 | |
| 50 | 10.83 | 11.08 | 11.34 | 11.96 | 11.77 | 11.64 | 11.74 | 11.84 | 11.89 | 11.91 | 11.94 | 12.33 | 12.47 | 11.89 | 11.99 | 13.55 | 12.39 | 11.27 | 11.16 | 11.00 | 10.99 | |
| 60 | 10.82 | 11.06 | 11.25 | 11.34 | 11.20 | 11.36 | 11.29 | 11.47 | 11.39 | 11.46 | 11.51 | 11.65 | 11.69 | 11.39 | 11.54 | 11.77 | 12.38 | 11.25 | 11.15 | 11.00 | 10.99 | |
| 70 | 10.82 | 11.00 | 11.21 | 11.17 | 11.11 | 11.21 | 11.15 | 11.26 | 11.21 | 11.21 | 11.22 | 11.28 | 11.33 | 11.21 | 11.33 | 11.35 | 11.39 | 11.22 | 11.16 | 11.01 | 10.99 | |
| 80 | 10.82 | 10.94 | 11.16 | 11.06 | 11.06 | 11.10 | 11.09 | 11.14 | 11.15 | 11.15 | 11.16 | 11.22 | 11.20 | 11.15 | 11.21 | 11.22 | 11.28 | 11.17 | 11.16 | 11.01 | 10.96 | |
| 90 | 10.81 | 10.90 | 11.08 | 10.99 | 10.97 | 11.03 | 11.03 | 11.04 | 11.06 | 11.05 | 11.09 | 11.11 | 11.13 | 11.06 | 11.12 | 11.11 | 11.22 | 11.14 | 11.16 | 11.01 | 10.96 | |
| 100 | 10.81 | 10.87 | 10.97 | 10.94 | 10.94 | 11.00 | 11.00 | 11.00 | 11.03 | 11.05 | 11.05 | 11.10 | 11.09 | 11.03 | 11.10 | 11.10 | 11.16 | 11.13 | 11.16 | 11.01 | 10.96 | |
| 110 | 10.81 | 10.84 | 10.89 | 10.91 | 10.91 | 10.96 | 10.98 | 10.98 | 11.01 | 11.02 | 11.03 | 11.04 | 11.05 | 11.01 | 11.07 | 11.09 | 11.12 | 11.12 | 11.16 | 11.01 | 10.96 | |
| 120 | 10.80 | 10.81 | 10.86 | 10.88 | 10.90 | 10.94 | 10.97 | 10.99 | 11.06 | 11.02 | 11.02 | 11.04 | 11.04 | 11.06 | 11.07 | 11.08 | 11.11 | 11.12 | 11.16 | 11.01 | 10.96 | |
| 130 | 10.79 | 10.79 | 10.85 | 10.85 | 10.88 | 10.92 | 10.95 | 10.97 | 10.99 | 10.99 | 11.01 | 11.01 | 11.03 | 10.99 | 11.03 | 11.07 | 11.08 | 11.11 | 11.16 | 11.01 | 10.96 | |
| 140 | 10.76 | 10.78 | 10.83 | 10.84 | 10.88 | 10.89 | 10.94 | 10.97 | 10.97 | 10.98 | 10.99 | 11.00 | 11.02 | 10.97 | 11.03 | 11.05 | 11.07 | 11.10 | 11.16 | 11.01 | 10.96 | |
| 150 | 10.75 | 10.76 | 10.82 | 10.85 | 10.88 | 10.91 | 10.93 | 10.99 | 10.96 | 11.02 | 11.04 | 11.03 | 11.02 | 11.00 | 11.04 | 11.05 | 11.07 | 11.10 | 11.16 | 11.01 | 10.96 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | 4/09/2006 | 26/09/2006 | 18/10/2006 | 1/11/2006 | 5/12/2006 | 19/12/2006 | 9/01/2007 | 25/01/2007 | 8/02/2007 | 21/02/2007 | 21/03/2007 | 3/04/2007 | 19/04/2007 | 8/05/2007 | 22/05/2007 | 14/06/2007 | 27/06/2007 | 18/07/2007 | 8/08/2007 | 23/08/2007 | 11/09/2007 |
|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|-----------|------------|-----------|------------|------------|------------|------------|-----------|------------|------------|
| 0 | 10.52 | 10.31 | 10.36 | 10.23 | 9.62 | 9.52 | 9.35 | 8.99 | 8.95 | 9.16 | 9.31 | 9.44 | 9.74 | 9.20 | 10.01 | 10.01 | 10.26 | 10.36 | 10.96 | 11.02 | 11.00 |
| 10 | 10.47 | 10.28 | 10.31 | 10.16 | 9.69 | 9.52 | 9.52 | 8.95 | 8.96 | 9.26 | 9.27 | 9.51 | 9.73 | 9.29 | 10.06 | 9.95 | 10.37 | 10.43 | 11.08 | 11.05 | 11.12 |
| 20 | 10.33 | 10.25 | 10.23 | 10.14 | 9.56 | 9.43 | 9.64 | 8.95 | 8.77 | 9.22 | 9.27 | 9.45 | 9.84 | 9.08 | 10.12 | 9.83 | 10.48 | 10.56 | 11.05 | 11.15 | 10.87 |
| 30 | 10.23 | 10.22 | 10.27 | 10.07 | 9.48 | 9.50 | 9.49 | 8.61 | 8.78 | 9.21 | 8.52 | 9.30 | 9.75 | 9.09 | 10.06 | 9.74 | 10.25 | 10.27 | 10.89 | 11.01 | 10.99 |
| 40 | 10.13 | 10.10 | 10.14 | 10.08 | 9.38 | 9.39 | 9.47 | 8.84 | 8.95 | 9.08 | 8.94 | 8.86 | 9.26 | 9.28 | 9.87 | 9.71 | 10.17 | 10.11 | 10.89 | 10.92 | 10.84 |
| 50 | 10.00 | 9.96 | 9.99 | 10.03 | 9.05 | 9.28 | 9.33 | 8.66 | 8.68 | 8.71 | 8.77 | 8.87 | 9.11 | 9.00 | 9.39 | 9.70 | 10.12 | 9.88 | 10.67 | 10.90 | 10.92 |
| 60 | 9.91 | 10.06 | 9.93 | 9.73 | 9.15 | 8.97 | 9.15 | 8.61 | 8.62 | 8.63 | 8.72 | 8.76 | 9.00 | 8.93 | 8.83 | 9.28 | 10.23 | 9.84 | 10.67 | 10.84 | 11.07 |
| 70 | 9.82 | 9.95 | 9.83 | 9.54 | 8.79 | 8.89 | 9.02 | 8.53 | 8.48 | 8.57 | 8.76 | 8.82 | 8.96 | 8.78 | 8.90 | 8.45 | 9.67 | 9.60 | 10.67 | 10.68 | 10.89 |
| 80 | 9.88 | 9.83 | 9.82 | 9.51 | 8.66 | 8.85 | 8.85 | 8.34 | 8.47 | 8.41 | 8.62 | 8.49 | 8.89 | 8.78 | 8.62 | 8.42 | 9.34 | 9.39 | 10.78 | 10.88 | 10.90 |
| 90 | 9.78 | 9.71 | 9.71 | 9.33 | 8.69 | 8.67 | 8.75 | 8.29 | 8.29 | 8.40 | 8.54 | 8.53 | 8.70 | 8.59 | 8.66 | 7.89 | 8.47 | 8.36 | 10.67 | 10.73 | 10.66 |
| 100 | 9.82 | 9.69 | 9.65 | 9.30 | 8.49 | 8.46 | 8.65 | 7.99 | 8.21 | 8.01 | 8.36 | 8.23 | 8.58 | 8.51 | 8.13 | 7.66 | 8.56 | 8.20 | 10.79 | 10.67 | 10.64 |
| 110 | 9.73 | 9.62 | 9.47 | 9.21 | 8.40 | 8.38 | 8.38 | 8.02 | 8.04 | 7.95 | 8.22 | 8.24 | 8.41 | 8.33 | 8.20 | 7.74 | 8.40 | 7.87 | 10.66 | 10.70 | 10.62 |
| 120 | 9.79 | 9.38 | 9.37 | 9.08 | 8.34 | 8.33 | 8.38 | 7.88 | 7.84 | 7.72 | 8.02 | 8.01 | 8.24 | 8.12 | 7.74 | 7.69 | 8.30 | 7.92 | 10.61 | 10.76 | 10.66 |
| 130 | 9.65 | 9.35 | 9.29 | 9.00 | 8.24 | 8.26 | 8.27 | 7.81 | 7.91 | 7.71 | 7.58 | 8.09 | 8.01 | 8.19 | 7.74 | 7.54 | 7.95 | 7.75 | 10.52 | 10.55 | 10.42 |
| 140 | 9.61 | 9.38 | 9.10 | 8.94 | 8.22 | 8.21 | 8.14 | 7.75 | 7.86 | 7.61 | 7.58 | 7.72 | 7.66 | 8.15 | 7.34 | 7.35 | 7.94 | 7.74 | 10.50 | 10.75 | 10.40 |
| 150 | 9.65 | 9.13 | 9.02 | 8.69 | 7.96 | 7.82 | 7.89 | 7.45 | 7.25 | 7.35 | 7.25 | 7.25 | 7.32 | 7.50 | 7.18 | 7.39 | 7.58 | 7.55 | 10.46 | 10.54 | 10.37 |

Secchi depth

| (m) | 4/09/2006 | 26/09/2006 | 18/10/2006 | 1/11/2006 | 5/12/2006 | 19/12/2006 | 9/01/2007 | 25/01/2007 | 8/02/2007 | 21/02/2007 | 21/03/2007 | 3/04/2007 | 19/04/2007 | 8/05/2007 | 22/05/2007 | 14/06/2007 | 27/06/2007 | 18/07/2007 | 8/08/2007 | 23/08/2007 | 11/09/2007 |
|-----|-----------|------------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|-----------|------------|-----------|------------|------------|------------|------------|-----------|------------|------------|
| | 11 | 17.5 | 13 | 14.5 | 16 | 15.5 | 13.5 | 14.5 | 16 | 18.2 | 16.5 | 19 | 16 | 16 | 18.5 | 18 | 18.5 | 14.5 | 14 | 13 | 11 |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
Mid-Lake site A for the period starting 17 August 2005

2005-2006

Temperature

| Date | 17/08/2005 | 31/08/2005 | 14/09/2005 | 29/09/2005 | 12/10/2005 | 25/10/2005 | 10/11/2005 | 1/12/2005 | 10/01/2006 | 2/02/2006 | 1/03/2006 | 12/04/2006 | 27/04/2006 | 9/05/2006 | 30/05/2006 | 27/06/2006 | 11/07/2006 | 25/07/2006 | 4/09/2006 | |
|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|------------|-----------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.17 | 11.74 | 12.42 | 11.91 | 11.92 | 13.40 | 16.10 | 15.09 | 17.40 | 20.20 | 19.50 | 16.71 | 16.31 | 15.70 | 14.21 | 11.94 | 11.51 | 11.15 | 11.10 | |
| 10 | 10.98 | 11.24 | 11.76 | 11.68 | 11.79 | 12.84 | 14.59 | 14.93 | 17.10 | 20.11 | 19.50 | 16.72 | 16.29 | 15.70 | 14.21 | 11.99 | 11.51 | 11.15 | 10.93 | |
| 20 | 10.97 | 11.10 | 11.22 | 11.67 | 11.76 | 12.17 | 14.27 | 14.22 | 16.85 | 18.15 | 19.25 | 16.72 | 16.29 | 15.70 | 14.21 | 11.99 | 11.50 | 11.15 | 10.93 | |
| 30 | 10.97 | 11.05 | 11.05 | 11.66 | 11.66 | 11.63 | 12.36 | 13.34 | 14.84 | 15.46 | 16.14 | 16.71 | 16.29 | 15.70 | 14.21 | 11.99 | 11.48 | 11.15 | 10.89 | |
| 40 | 10.97 | 11.00 | 11.01 | 11.60 | 11.47 | 11.47 | 11.66 | 12.32 | 12.21 | 13.40 | 12.93 | 16.48 | 13.96 | 13.40 | 14.20 | 11.99 | 11.48 | 11.15 | 10.87 | |
| 50 | 10.97 | 10.98 | 10.98 | 11.18 | 11.39 | 11.29 | 11.27 | 11.66 | 11.60 | 11.75 | 11.57 | 12.00 | 12.20 | 11.94 | 14.16 | 11.99 | 11.48 | 11.15 | 10.83 | |
| 60 | 10.97 | 10.97 | 10.99 | 11.02 | 11.37 | 11.17 | 11.15 | 11.26 | 11.21 | 11.35 | 11.35 | 11.53 | 11.56 | 11.36 | 11.54 | 11.39 | 11.47 | 11.15 | 10.82 | |
| 70 | 10.96 | 10.97 | 10.97 | 10.97 | 11.26 | 11.06 | 11.04 | 11.11 | 11.13 | 11.19 | 11.16 | 11.29 | 11.30 | 11.23 | 11.27 | 11.21 | 11.46 | 11.15 | 10.82 | |
| 80 | 10.97 | 10.96 | 10.97 | 10.97 | 11.13 | 10.99 | 11.00 | 11.06 | 11.06 | 11.11 | 11.14 | 11.19 | 11.19 | 11.14 | 11.19 | 11.16 | 11.45 | 11.15 | 10.82 | |
| 90 | 10.96 | 10.96 | 10.96 | 10.96 | 11.07 | 10.97 | 10.98 | 11.01 | 11.05 | 11.06 | 11.06 | 11.12 | 11.12 | 11.10 | 11.16 | 11.15 | 11.42 | 11.15 | 10.81 | |
| 100 | 10.96 | 10.95 | 10.96 | 10.95 | 11.01 | 10.97 | 10.97 | 10.98 | 11.04 | 11.04 | 11.05 | 11.08 | 11.08 | 11.09 | 11.12 | 11.14 | 11.23 | 11.15 | 10.81 | |
| 110 | 10.96 | 10.94 | 10.94 | 10.94 | 10.98 | 10.94 | 10.95 | 10.97 | 11.02 | 11.02 | 11.05 | 11.05 | 11.07 | 11.06 | 11.11 | 11.14 | 11.20 | 11.15 | 10.81 | |
| 120 | 10.96 | 10.94 | 10.93 | 10.93 | 10.98 | 10.94 | 10.94 | 10.97 | 11.00 | 11.02 | 11.05 | 11.03 | 11.06 | 11.06 | 11.09 | 11.13 | 11.19 | 11.15 | 10.80 | |
| 130 | 10.96 | 10.93 | 10.93 | 10.92 | 10.96 | 10.93 | 10.93 | 10.96 | 10.99 | 11.00 | 11.03 | 11.02 | 11.05 | 11.04 | 11.07 | 11.13 | 11.18 | 11.15 | 10.79 | |
| 140 | 10.95 | 10.93 | 10.91 | 10.91 | 10.96 | 10.93 | 10.94 | 10.96 | 10.99 | 11.00 | 11.00 | 11.02 | 11.04 | 11.03 | 11.07 | 11.12 | 11.18 | 11.15 | 10.76 | |
| 150 | 10.93 | 10.93 | 10.89 | 10.91 | 10.96 | 10.92 | 10.96 | 10.97 | 10.98 | 10.99 | 11.00 | 11.02 | 11.04 | 11.04 | 11.07 | 11.10 | 11.14 | 11.15 | 10.75 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | | | | | | | | | | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--|
| 0 | 10.52 | 10.47 | 10.26 | 10.35 | 10.38 | 10.04 | 9.95 | 9.70 | 9.23 | 9.00 | 9.20 | 9.33 | 9.39 | 9.46 | 9.97 | 10.29 | 10.84 | 10.54 | 10.52 | |
| 10 | 10.55 | 10.47 | 10.26 | 10.47 | 10.49 | 9.98 | 9.99 | 9.94 | 9.38 | 9.39 | 9.24 | 9.15 | 9.96 | 9.59 | 10.49 | 10.27 | 10.88 | 10.94 | 10.47 | |
| 20 | 10.41 | 10.26 | 10.37 | 10.39 | 10.40 | 10.04 | 9.88 | 9.69 | 9.37 | 9.20 | 9.43 | 9.51 | 9.39 | 9.47 | 9.97 | 10.30 | 10.77 | 10.59 | 10.33 | |
| 30 | 10.39 | 10.28 | 10.19 | 10.39 | 10.44 | 9.89 | 9.74 | 9.26 | 8.96 | 8.94 | 8.99 | 9.23 | 9.31 | 9.50 | 10.21 | 10.22 | 10.76 | 10.54 | 10.23 | |
| 40 | 10.31 | 9.80 | 9.40 | 10.32 | 10.25 | 9.61 | 9.48 | 9.74 | 8.95 | 8.69 | 9.02 | 8.92 | 8.82 | 8.90 | 9.98 | 10.22 | 10.74 | 10.34 | 10.13 | |
| 50 | 10.29 | 9.66 | 9.39 | 10.20 | 10.23 | 9.51 | 9.36 | 9.63 | 8.61 | 8.59 | 8.91 | 8.61 | 8.70 | 8.51 | 10.10 | 10.16 | 10.71 | 10.54 | 10.00 | |
| 60 | 10.17 | 9.57 | 9.18 | 9.83 | 9.92 | 9.14 | 8.65 | 9.08 | 8.69 | 8.22 | 8.78 | 8.49 | 8.31 | 8.29 | 9.25 | 9.64 | 10.70 | 10.38 | 9.91 | |
| 70 | 10.13 | 9.41 | 9.26 | 9.63 | 9.86 | 9.03 | 8.83 | 8.80 | 8.50 | 8.20 | 8.52 | 8.20 | 8.51 | 8.26 | 8.87 | 8.85 | 10.64 | 10.45 | 9.82 | |
| 80 | 10.06 | 9.38 | 9.01 | 9.46 | 9.63 | 8.76 | 8.50 | 8.78 | 8.21 | 8.04 | 8.19 | 7.94 | 8.17 | 8.19 | 8.47 | 8.42 | 10.47 | 10.36 | 9.88 | |
| 90 | 10.05 | 9.42 | 9.07 | 9.38 | 9.68 | 8.76 | 8.59 | 8.40 | 8.12 | 8.07 | 7.82 | 7.98 | 8.10 | 8.08 | 8.33 | 8.15 | 10.46 | 10.44 | 9.78 | |
| 100 | 10.04 | 9.41 | 8.86 | 9.20 | 9.33 | 8.54 | 8.35 | 8.39 | 7.96 | 7.88 | 7.89 | 8.05 | 8.12 | 8.06 | 8.16 | 8.05 | 9.65 | 10.34 | 9.82 | |
| 110 | 10.04 | 9.37 | 8.88 | 9.12 | 9.24 | 8.49 | 8.41 | 8.35 | 7.92 | 7.94 | 7.85 | 7.91 | 7.84 | 7.96 | 8.11 | 7.96 | 8.87 | 10.35 | 9.73 | |
| 120 | 9.96 | 9.23 | 8.56 | 9.03 | 9.13 | 8.44 | 8.22 | 8.28 | 7.89 | 7.62 | 7.86 | 7.44 | 7.57 | 7.77 | 8.04 | 7.89 | 8.41 | 10.17 | 9.79 | |
| 130 | 9.93 | 9.14 | 8.56 | 8.96 | 9.07 | 8.40 | 8.27 | 8.20 | 7.82 | 7.78 | 7.72 | 7.58 | 7.49 | 7.66 | 8.04 | 7.84 | 8.31 | 10.33 | 9.65 | |
| 140 | 9.32 | 8.94 | 8.38 | 8.79 | 9.01 | 8.38 | 7.92 | 8.08 | 7.62 | 7.36 | 7.67 | 7.34 | 7.32 | 7.58 | 7.99 | 7.82 | 8.29 | 10.39 | 9.61 | |
| 150 | 8.63 | 8.57 | 8.20 | 8.56 | 8.94 | 8.24 | 7.86 | 8.00 | 7.39 | 7.28 | 7.34 | 7.19 | 7.15 | 7.23 | 7.57 | 7.61 | 8.14 | 10.28 | 9.65 | |

Secchi depth

| (m) | 13 | 13 | 13 | 14 | 14 | 15 | 17.5 | 19.3 | 19 | 15.5 | 15.3 | 15.8 | 17 | 17.5 | 18.2 | 15.2 | 13.5 | 12 | 11 |
|-----|----|----|----|----|----|----|------|------|----|------|------|------|----|------|------|------|------|----|----|
|-----|----|----|----|----|----|----|------|------|----|------|------|------|----|------|------|------|------|----|----|

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
Mid-Lake site A for the period starting 24 August 2004

2004-2005

Temperature

| Date | 24/08/2004 | 7/09/2004 | 21/10/2004 | 2/11/2004 | 22/11/2004 | 15/12/2004 | 11/01/2005 | 25/01/2005 | 9/02/2005 | 22/02/2005 | 10/03/2005 | 21/03/2005 | 14/04/2005 | 18/05/2005 | 9/06/2005 | 20/06/2005 | 20/07/2005 | 3/08/2005 | 17/08/2005 | 31/08/2005 | 14/09/2005 | |
|-----------|------------|-----------|------------|-----------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|-----------|------------|------------|-----------|------------|------------|------------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 10.92 | 10.70 | 11.75 | 12.94 | 15.31 | 14.17 | 16.97 | 19.27 | 20.73 | 20.05 | 19.25 | 19.34 | 17.92 | 14.33 | 12.98 | 12.67 | 11.46 | 11.12 | 11.17 | 11.74 | 12.42 | |
| 10 | 10.83 | 10.66 | 11.61 | 12.89 | 15.15 | 14.10 | 16.01 | 18.05 | 20.19 | 19.73 | 19.24 | 19.17 | 17.96 | 14.31 | 12.99 | 12.47 | 11.31 | 11.11 | 10.98 | 11.24 | 11.76 | |
| 20 | 10.83 | 10.66 | 11.60 | 12.49 | 13.69 | 13.89 | 15.83 | 16.72 | 18.05 | 18.80 | 19.23 | 18.81 | 17.95 | 14.24 | 12.98 | 12.43 | 11.31 | 11.10 | 10.97 | 11.10 | 11.22 | |
| 30 | 10.83 | 10.66 | 11.59 | 11.65 | 13.17 | 13.79 | 13.37 | 14.55 | 14.65 | 14.02 | 14.92 | 14.59 | 15.13 | 14.13 | 12.98 | 12.42 | 11.30 | 11.11 | 10.97 | 11.05 | 11.05 | |
| 40 | 10.83 | 10.66 | 11.59 | 11.28 | 11.61 | 13.59 | 12.39 | 13.12 | 12.83 | 12.36 | 13.06 | 12.62 | 12.92 | 13.88 | 12.98 | 12.44 | 11.30 | 11.10 | 10.97 | 11.00 | 11.01 | |
| 50 | 10.83 | 10.65 | 11.58 | 10.93 | 11.09 | 11.35 | 11.33 | 11.89 | 11.75 | 11.49 | 11.75 | 11.64 | 12.00 | 11.47 | 12.97 | 12.42 | 11.28 | 11.11 | 10.97 | 10.98 | 10.98 | |
| 60 | 10.83 | 10.66 | 11.15 | 10.75 | 10.97 | 11.03 | 11.04 | 11.23 | 11.12 | 11.00 | 11.16 | 11.20 | 11.33 | 11.18 | 12.57 | 11.54 | 11.28 | 11.10 | 10.97 | 10.97 | 10.99 | |
| 70 | 10.83 | 10.66 | 10.78 | 10.72 | 10.77 | 10.88 | 10.86 | 10.98 | 10.90 | 10.87 | 10.92 | 10.96 | 10.99 | 10.97 | 11.13 | 11.07 | 11.26 | 11.11 | 10.96 | 10.97 | 10.97 | |
| 80 | 10.83 | 10.65 | 10.74 | 10.64 | 10.73 | 10.80 | 10.81 | 10.91 | 10.83 | 10.82 | 10.88 | 10.94 | 10.88 | 10.93 | 10.98 | 11.00 | 11.21 | 11.10 | 10.97 | 10.96 | 10.97 | |
| 90 | 10.82 | 10.61 | 10.72 | 10.62 | 10.69 | 10.73 | 10.75 | 10.80 | 10.75 | 10.80 | 10.80 | 10.81 | 10.82 | 10.89 | 10.95 | 10.93 | 10.98 | 11.10 | 10.96 | 10.96 | 10.96 | |
| 100 | 10.83 | 10.58 | 10.71 | 10.61 | 10.68 | 10.70 | 10.74 | 10.81 | 10.80 | 10.78 | 10.80 | 10.82 | 10.78 | 10.90 | 10.90 | 10.91 | 10.94 | 11.10 | 10.96 | 10.95 | 10.96 | |
| 110 | 10.83 | 10.56 | 10.67 | 10.60 | 10.64 | 10.67 | 10.69 | 10.72 | 10.73 | 10.75 | 10.74 | 10.76 | 10.76 | 10.87 | 10.89 | 10.87 | 10.93 | 11.08 | 10.96 | 10.94 | 10.94 | |
| 120 | 10.83 | 10.56 | 10.66 | 10.58 | 10.64 | 10.66 | 10.68 | 10.73 | 10.76 | 10.76 | 10.76 | 10.79 | 10.76 | 10.88 | 10.87 | 10.86 | 10.89 | 10.99 | 10.96 | 10.94 | 10.93 | |
| 130 | 10.82 | 10.55 | 10.64 | 10.57 | 10.61 | 10.63 | 10.66 | 10.69 | 10.71 | 10.71 | 10.72 | 10.73 | 10.74 | 10.81 | 10.84 | 10.86 | 10.88 | 10.97 | 10.96 | 10.93 | 10.93 | |
| 140 | 10.82 | 10.53 | 10.61 | 10.57 | 10.61 | 10.61 | 10.65 | 10.68 | 10.74 | 10.73 | 10.75 | 10.77 | 10.74 | 10.82 | 10.80 | 10.86 | 10.88 | 10.93 | 10.95 | 10.93 | 10.91 | |
| 150 | 10.79 | 10.47 | 10.56 | 10.58 | 10.60 | 10.62 | 10.67 | 10.67 | 10.70 | 10.70 | 10.71 | 10.72 | 10.72 | 10.77 | 10.78 | 10.85 | 10.87 | 10.90 | 10.93 | 10.93 | 10.89 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
|-----------|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|-------|-------|------|------|-------|-------|-------|--|
| 0 | 10.7 | 10.7 | 10.4 | 10.1 | 9.5 | 9.9 | 9.4 | 8.95 | 8.64 | 8.74 | 8.77 | 8.89 | 9.12 | 9.75 | 10.12 | 10.15 | 10.7 | 10.7 | 10.52 | 10.47 | 10.26 | |
| 10 | 10.5 | 10.5 | 10.1 | 10.2 | 9.6 | 9.8 | 9.5 | 8.87 | 8.75 | 8.78 | 8.77 | 8.87 | 9.01 | 9.75 | 10.03 | 10.12 | 10.5 | 10.5 | 10.55 | 10.47 | 10.26 | |
| 20 | 10.5 | 10.5 | 10.3 | 10.0 | 9.5 | 9.8 | 9.5 | 8.79 | 8.73 | 8.59 | 8.72 | 8.85 | 9.04 | 9.66 | 9.97 | 10.17 | 10.5 | 10.5 | 10.41 | 10.26 | 10.37 | |
| 30 | 10.4 | 10.4 | 10.1 | 9.9 | 9.5 | 9.7 | 9.2 | 8.72 | 8.68 | 8.62 | 8.01 | 8.34 | 8.37 | 9.55 | 9.97 | 10.03 | 10.4 | 10.4 | 10.39 | 10.28 | 10.19 | |
| 40 | 10.4 | 10.3 | 10.2 | 9.9 | 9.5 | 9.7 | 9.2 | 8.80 | 8.76 | 8.68 | 8.48 | 8.39 | 8.66 | 9.49 | 9.88 | 9.99 | 10.4 | 10.3 | 10.31 | 9.80 | 9.40 | |
| 50 | 10.3 | 10.3 | 10.0 | 9.6 | 9.4 | 9.3 | 9.0 | 8.54 | 8.45 | 8.36 | 8.16 | 8.17 | 8.34 | 9.01 | 9.87 | 9.93 | 10.3 | 10.3 | 10.29 | 9.66 | 9.39 | |
| 60 | 10.3 | 10.2 | 9.9 | 9.5 | 9.1 | 9.4 | 8.9 | 8.50 | 8.41 | 8.37 | 8.14 | 8.22 | 8.21 | 8.66 | 9.69 | 9.05 | 10.3 | 10.2 | 10.17 | 9.57 | 9.18 | |
| 70 | 10.2 | 10.2 | 9.7 | 9.3 | 9.1 | 9.3 | 8.8 | 8.40 | 8.36 | 8.32 | 8.04 | 8.18 | 8.21 | 8.56 | 8.90 | 8.72 | 10.2 | 10.2 | 10.13 | 9.41 | 9.26 | |
| 80 | 10.2 | 10.1 | 9.6 | 9.2 | 9.0 | 9.2 | 8.7 | 8.29 | 8.24 | 8.27 | 8.04 | 8.13 | 8.19 | 8.22 | 8.70 | 8.33 | 10.2 | 10.1 | 10.06 | 9.38 | 9.01 | |
| 90 | 10.1 | 10.0 | 9.4 | 9.1 | 8.8 | 9.1 | 8.6 | 8.18 | 8.12 | 8.13 | 8.03 | 8.11 | 8.27 | 8.07 | 8.39 | 8.23 | 10.1 | 10.0 | 10.05 | 9.42 | 9.07 | |
| 100 | 10.1 | 10.0 | 9.4 | 9.0 | 8.8 | 9.0 | 8.5 | 8.13 | 7.86 | 7.93 | 7.89 | 7.90 | 7.99 | 7.90 | 8.27 | 8.06 | 10.1 | 10.0 | 10.04 | 9.41 | 8.86 | |
| 110 | 9.9 | 9.9 | 9.3 | 9.0 | 8.8 | 8.9 | 8.4 | 8.07 | 7.84 | 7.81 | 7.82 | 7.83 | 7.82 | 7.75 | 8.16 | 7.99 | 9.9 | 9.9 | 10.04 | 9.37 | 8.88 | |
| 120 | 10.0 | 9.9 | 9.3 | 8.9 | 8.6 | 8.8 | 8.4 | 8.02 | 7.78 | 7.71 | 7.73 | 7.81 | 7.66 | 7.78 | 8.08 | 7.70 | 10.0 | 9.9 | 9.96 | 9.23 | 8.56 | |
| 130 | 10.0 | 9.9 | 9.3 | 8.7 | 8.6 | 8.7 | 8.3 | 8.00 | 7.76 | 7.71 | 7.68 | 7.78 | 7.69 | 7.77 | 8.03 | 7.57 | 10.0 | 9.9 | 9.93 | 9.14 | 8.56 | |
| 140 | 9.9 | 9.9 | 9.2 | 8.7 | 8.4 | 8.5 | 8.1 | 7.83 | 7.59 | 7.50 | 7.36 | 7.48 | 7.56 | 7.69 | 7.94 | 7.42 | 9.9 | 9.9 | 9.32 | 8.94 | 8.38 | |
| 150 | 9.8 | 9.7 | 9.0 | 8.6 | 8.2 | 8.3 | 7.9 | 7.51 | 7.54 | 7.46 | 7.35 | 7.43 | 7.47 | 7.67 | 7.75 | 7.36 | 9.8 | 9.7 | 8.63 | 8.57 | 8.20 | |

Secchi depth

| (m) | 12.5 | 12 | 15 | 16 | 16 | 19.5 | 20 | 19.5 | 18 | 21.5 | 18.5 | 20 | 17.2 | 16 | 14.1 | 13.8 | 13 | 14 | 13 | 13 | 13 |
|-----|------|----|----|----|----|------|----|------|----|------|------|----|------|----|------|------|----|----|----|----|----|
| | | | | | | | | | | | | | | | | | | | | | |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
Mid-Lake site A for the period starting 14 July 2003

2003-2004

Temperature

| Date | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 | 7/10/2003 | 21/10/2003 | 19/11/2003 | 4/12/2003 | 18/12/2003 | 13/01/2004 | 26/02/2004 | 8/03/2004 | 31/03/2004 | 14/04/2004 | 10/05/2004 | 10/06/2004 | 13/07/2004 | 26/07/2004 | 24/08/2004 | 7/09/2004 |
|-----------|------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Depth (m) | | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.85 | 11.38 | 11.25 | 11.23 | 11.13 | 11.48 | 13.11 | 13.96 | 16.15 | 17.72 | 20.29 | 17.20 | 17.50 | 16.49 | 15.27 | 14.74 | 13.04 | 11.59 | 11.29 | 10.92 | 10.70 |
| 10 | 11.86 | 11.38 | 11.24 | 11.17 | 11.13 | 11.39 | 11.92 | 13.79 | 15.11 | 17.76 | 19.60 | 17.19 | 17.00 | 16.29 | 15.24 | 14.74 | 13.05 | 11.64 | 11.26 | 10.83 | 10.66 |
| 20 | 11.86 | 11.38 | 11.24 | 11.12 | 11.11 | 11.37 | 11.53 | 13.78 | 14.53 | 15.57 | 16.72 | 17.18 | 16.70 | 16.23 | 15.21 | 14.74 | 13.04 | 11.62 | 11.25 | 10.83 | 10.66 |
| 30 | 11.86 | 11.38 | 11.24 | 11.11 | 11.06 | 11.37 | 11.40 | 13.70 | 12.96 | 13.23 | 13.87 | 17.16 | 16.55 | 16.19 | 15.19 | 14.74 | 13.05 | 11.65 | 11.25 | 10.83 | 10.66 |
| 40 | 11.86 | 11.38 | 11.24 | 11.11 | 11.06 | 11.32 | 11.34 | 12.30 | 12.26 | 12.33 | 12.58 | 12.90 | 13.30 | 16.15 | 15.13 | 14.73 | 13.05 | 11.62 | 11.26 | 10.83 | 10.66 |
| 50 | 11.86 | 11.38 | 11.24 | 11.11 | 11.06 | 11.31 | 11.23 | 11.35 | 11.48 | 11.84 | 11.58 | 11.83 | 11.60 | 12.51 | 12.40 | 12.56 | 13.05 | 11.65 | 11.26 | 10.83 | 10.65 |
| 60 | 11.86 | 11.38 | 11.24 | 11.11 | 11.06 | 11.31 | 11.19 | 11.28 | 11.41 | 11.39 | 11.33 | 11.53 | 11.60 | 11.59 | 11.67 | 11.66 | 13.05 | 11.64 | 11.26 | 10.83 | 10.66 |
| 70 | 11.86 | 11.38 | 11.24 | 11.10 | 11.06 | 11.31 | 11.16 | 11.23 | 11.26 | 11.26 | 11.26 | 11.35 | 11.40 | 11.40 | 11.48 | 11.43 | 12.42 | 11.65 | 11.25 | 10.83 | 10.66 |
| 80 | 11.35 | 11.38 | 11.24 | 11.00 | 11.06 | 11.30 | 11.15 | 11.19 | 11.25 | 11.22 | 11.23 | 11.30 | 11.35 | 11.34 | 11.39 | 11.38 | 11.56 | 11.64 | 11.25 | 10.83 | 10.65 |
| 90 | 11.31 | 11.38 | 11.24 | 11.09 | 11.06 | 11.29 | 11.13 | 11.16 | 11.20 | 11.17 | 11.22 | 11.25 | 11.27 | 11.30 | 11.32 | 11.35 | 11.51 | 11.66 | 11.25 | 10.82 | 10.61 |
| 100 | 11.27 | 11.35 | 11.24 | 11.09 | 11.06 | 11.25 | 11.11 | 11.15 | 11.18 | 11.17 | 11.21 | 11.23 | 11.27 | 11.27 | 11.30 | 11.32 | 11.39 | 11.65 | 11.25 | 10.83 | 10.58 |
| 110 | 11.24 | 11.34 | 11.23 | 11.09 | 11.06 | 11.21 | 11.10 | 11.12 | 11.17 | 11.15 | 11.19 | 11.20 | 11.24 | 11.26 | 11.28 | 11.30 | 11.35 | 11.65 | 11.26 | 10.83 | 10.56 |
| 120 | 11.22 | 11.32 | 11.22 | 11.09 | 11.06 | 11.14 | 11.10 | 11.11 | 11.18 | 11.14 | 11.18 | 11.18 | 11.22 | 11.24 | 11.25 | 11.30 | 11.34 | 11.65 | 11.26 | 10.83 | 10.56 |
| 130 | 11.21 | 11.27 | 11.22 | 11.08 | 11.06 | 11.11 | 11.08 | 11.09 | 11.14 | 11.13 | 11.17 | 11.18 | 11.20 | 11.22 | 11.23 | 11.28 | 11.33 | 11.49 | 11.26 | 10.82 | 10.55 |
| 140 | 11.21 | 11.26 | 11.21 | 11.08 | 11.06 | 11.09 | 11.08 | 11.09 | 11.15 | 11.13 | 11.16 | 11.17 | 11.20 | 11.21 | 11.21 | 11.27 | 11.32 | 11.39 | 11.26 | 10.82 | 10.53 |
| 150 | 11.20 | 11.22 | 11.20 | 11.08 | 11.07 | 11.09 | 11.08 | 11.09 | 11.14 | 11.13 | 11.16 | 11.17 | 11.20 | 11.21 | 11.21 | 11.26 | 11.31 | 11.34 | 11.26 | 10.79 | 10.47 |

Dissolved Oxygen (g m⁻³)

| Depth (m) | | | | | | | | | | | | | | | | | | | | | |
|-----------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 0 | 10.3 | 10.6 | 10.5 | 10.5 | 10.5 | 10.5 | 10.1 | 9.9 | 9.5 | 9.1 | 9.2 | 9.3 | 9.4 | 9.2 | 9.5 | 9.7 | 10.2 | 10.5 | 10.6 | 10.7 | 10.7 |
| 10 | 10.2 | 10.4 | 10.5 | 10.5 | 10.6 | 10.5 | 10.0 | 9.9 | 9.5 | 9.2 | 9.3 | 9.4 | 9.0 | 9.1 | 9.2 | 9.6 | 9.9 | 10.5 | 10.6 | 10.5 | 10.5 |
| 20 | 10.2 | 10.2 | 10.3 | 10.4 | 10.4 | 10.4 | 10.2 | 9.8 | 9.4 | 9.0 | 9.1 | 9.0 | 8.8 | 9.0 | 9.1 | 9.4 | 9.8 | 10.5 | 10.6 | 10.5 | 10.5 |
| 30 | 10.2 | 9.9 | 10.1 | 10.3 | 10.1 | 10.1 | 10.0 | 9.5 | 9.2 | 9.2 | 9.1 | 8.9 | 8.5 | 9.0 | 8.8 | 9.3 | 9.5 | 10.3 | 10.3 | 10.4 | 10.4 |
| 40 | 10.1 | 9.9 | 10.0 | 10.0 | 9.8 | 10.0 | 9.7 | 9.3 | 9.0 | 9.1 | 8.7 | 8.4 | 8.0 | 8.9 | 8.8 | 9.2 | 9.5 | 10.1 | 10.1 | 10.4 | 10.3 |
| 50 | 10.0 | 9.0 | 9.9 | 9.9 | 9.8 | 9.8 | 9.4 | 9.0 | 8.7 | 8.8 | 8.5 | 8.1 | 7.9 | 8.2 | 8.2 | 8.6 | 9.4 | 9.8 | 9.9 | 10.3 | 10.3 |
| 60 | 9.9 | 8.8 | 9.8 | 9.7 | 9.6 | 9.7 | 9.2 | 8.9 | 8.6 | 8.4 | 8.2 | 8.0 | 7.7 | 8.0 | 8.0 | 8.2 | 9.4 | 9.9 | 9.8 | 10.3 | 10.2 |
| 70 | 9.9 | 8.7 | 9.8 | 9.6 | 9.6 | 9.6 | 9.1 | 8.7 | 8.5 | 8.3 | 8.1 | 7.9 | 7.6 | 8.0 | 7.8 | 7.9 | 9.1 | 9.6 | 9.7 | 10.2 | 10.2 |
| 80 | 8.7 | 8.6 | 9.7 | 9.5 | 9.5 | 9.6 | 8.9 | 8.6 | 8.4 | 8.1 | 8.0 | 7.9 | 7.5 | 8.0 | 7.7 | 7.9 | 8.5 | 9.7 | 9.6 | 10.2 | 10.1 |
| 90 | 8.5 | 8.5 | 9.7 | 9.5 | 9.5 | 9.5 | 8.9 | 8.6 | 8.3 | 8.1 | 8.0 | 7.9 | 7.5 | 7.9 | 7.6 | 7.8 | 8.0 | 9.5 | 9.5 | 10.1 | 10.0 |
| 100 | 8.2 | 8.4 | 9.6 | 9.5 | 9.5 | 9.4 | 8.8 | 8.6 | 8.2 | 7.9 | 7.8 | 7.8 | 7.4 | 7.8 | 7.5 | 7.7 | 7.7 | 9.5 | 9.4 | 10.1 | 10.0 |
| 110 | 8.2 | 8.1 | 9.6 | 9.4 | 9.5 | 9.3 | 8.8 | 8.4 | 8.2 | 7.9 | 7.8 | 7.7 | 7.3 | 7.7 | 7.4 | 7.6 | 7.6 | 9.4 | 9.4 | 9.9 | 9.9 |
| 120 | 8.0 | 8.0 | 9.5 | 9.4 | 9.5 | 9.3 | 8.7 | 8.4 | 8.1 | 7.8 | 7.7 | 7.5 | 7.1 | 7.6 | 7.3 | 7.4 | 7.5 | 9.4 | 9.3 | 10.0 | 9.9 |
| 130 | 8.0 | 7.9 | 9.5 | 9.4 | 9.4 | 9.1 | 8.7 | 8.3 | 8.0 | 7.8 | 7.5 | 7.3 | 7.0 | 7.5 | 7.2 | 7.3 | 7.4 | 9.1 | 9.2 | 10.0 | 9.9 |
| 140 | 7.8 | 7.8 | 9.5 | 9.3 | 9.4 | 9.0 | 8.5 | 8.2 | 7.9 | 7.5 | 7.4 | 7.3 | 6.9 | 7.4 | 7.0 | 7.3 | 7.3 | 8.3 | 9.2 | 9.9 | 9.9 |
| 150 | 7.7 | 7.6 | 9.3 | 9.3 | 9.4 | 8.9 | 8.5 | 8.0 | 7.7 | 7.3 | 7.2 | 7.1 | 6.8 | 7.1 | 6.8 | 7.1 | 7.3 | 8.0 | 9.2 | 9.8 | 9.7 |

Secchi depth

| (m) | 14.5 | 14 | 13.5 | 13 | 12.5 | 13 | 17 | 16 | 18.5 | 17.5 | 19 | 17 | 15 | 16 | 15 | 18 | 13.5 | 12 | 11 | 12.5 | 12 | |
|-----|------|----|------|----|------|----|----|----|------|------|----|----|----|----|----|----|------|----|----|------|----|--|
| | | | | | | | | | | | | | | | | | | | | | | |

**Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
Additional site B (Kuratau Basin) for the period starting 14 July 2003**

2003-2004

Temperature

| Date | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 | 7/10/2003 | 21/10/2003 | 19/11/2003 | 4/12/2003 | 18/12/2003 | 13/01/2004 | 26/02/2004 | 8/03/2004 | 31/03/2004 | 14/04/2004 | 10/05/2004 | 10/06/2004 | 13/07/2004 | 26/07/2004 | 24/08/2004 | 7/09/2004 | |
|-----------|------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.82 | 11.32 | 11.38 | 11.36 | 11.13 | 11.70 | 13.31 | 13.79 | 15.65 | 17.08 | 20.25 | 16.83 | 17.63 | 15.92 | 15.10 | 14.72 | 13.02 | 11.43 | 11.26 | 10.92 | 10.85 | |
| 10 | 11.80 | 11.29 | 11.22 | 11.17 | 11.11 | 11.44 | 12.28 | 13.49 | 15.00 | 16.43 | 19.73 | 16.72 | 16.56 | 15.90 | 15.02 | 14.68 | 12.95 | 11.40 | 11.20 | 10.77 | 10.59 | |
| 20 | 11.79 | 11.29 | 11.22 | 11.14 | 11.07 | 11.40 | 11.71 | 13.33 | 13.81 | 15.28 | 16.73 | 16.58 | 16.51 | 15.89 | 15.00 | 14.64 | 12.84 | 11.41 | 11.20 | 10.73 | 10.58 | |
| 30 | 11.79 | 11.29 | 11.21 | 11.13 | 11.03 | 11.35 | 11.46 | 12.22 | 12.37 | 13.38 | 13.74 | 16.16 | 16.40 | 15.88 | 14.99 | 14.47 | 12.71 | 11.41 | 11.20 | 10.72 | 10.57 | |
| 40 | 11.79 | 11.29 | 11.21 | 11.13 | 11.02 | 11.34 | 11.38 | 11.67 | 11.90 | 12.91 | 12.48 | 15.75 | 15.53 | 15.53 | 14.18 | 14.07 | 12.67 | 11.41 | 11.19 | 10.72 | 10.57 | |
| 50 | 11.79 | 11.29 | 11.21 | 11.13 | 11.02 | 11.33 | 11.28 | 11.40 | 11.57 | 11.65 | 11.62 | 12.97 | 12.55 | 12.89 | 12.48 | 12.48 | 12.66 | 11.41 | 11.19 | 10.72 | 10.56 | |
| 60 | 11.78 | 11.29 | 11.21 | 11.13 | 11.01 | 11.25 | 11.23 | 11.31 | 11.37 | 11.33 | 11.40 | 11.88 | 11.64 | 11.69 | 11.72 | 11.78 | 12.57 | 11.40 | 11.19 | 10.72 | 10.56 | |
| 70 | 11.78 | 11.29 | 11.21 | 11.12 | 11.01 | 11.12 | 11.15 | 11.24 | 11.25 | 11.27 | 11.28 | 11.55 | 11.47 | 11.49 | 11.51 | 11.47 | 12.51 | 11.41 | 11.18 | 10.72 | 10.56 | |
| 80 | 11.77 | 11.29 | 11.16 | 11.12 | 11.01 | 11.06 | 11.09 | 11.18 | 11.21 | 11.25 | 11.20 | 11.38 | 11.41 | 11.37 | 11.43 | 11.38 | 12.27 | 11.37 | 11.18 | 10.72 | 10.51 | |
| 90 | 11.35 | 11.29 | 11.04 | 11.11 | 11.01 | 11.02 | 11.08 | 11.13 | 11.13 | 11.19 | 11.16 | 11.32 | 11.35 | 11.32 | 11.37 | 11.31 | 11.77 | 11.26 | 11.17 | 10.71 | 10.45 | |
| 100 | 11.27 | 11.29 | 10.91 | 11.08 | 11.01 | 11.02 | 11.05 | 11.10 | 11.11 | 11.16 | 11.14 | 11.28 | 11.33 | 11.26 | 11.30 | 11.24 | 11.65 | 11.24 | 11.17 | 10.66 | 10.38 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
|-----------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|--|
| 0 | 10.7 | 10.9 | 10.8 | 10.6 | 10.6 | 10.4 | 10.5 | 10.1 | 9.8 | 9.1 | 9.2 | 9.3 | 9.5 | 8.8 | 10.5 | 11.4 | 12.3 | 10.6 | 10.5 | 10.5 | 10.8 | |
| 10 | 10.5 | 11.0 | 10.6 | 10.6 | 10.5 | 10.4 | 10.4 | 10.3 | 9.9 | 9.3 | 9.2 | 9.1 | 9.0 | 9.0 | 9.5 | 10.2 | 10.7 | 10.6 | 10.5 | 10.4 | 10.7 | |
| 20 | 10.3 | 11.3 | 10.4 | 10.2 | 10.2 | 10.2 | 10.1 | 9.9 | 9.6 | 9.4 | 9.2 | 9.0 | 8.9 | 8.9 | 9.2 | 9.9 | 10.1 | 10.1 | 10.5 | 10.5 | 10.7 | |
| 30 | 10.2 | 11.2 | 10.1 | 9.9 | 10.1 | 9.9 | 10.0 | 9.6 | 9.3 | 9.1 | 9.0 | 9.0 | 8.7 | 8.8 | 8.9 | 9.4 | 9.7 | 9.8 | 10.3 | 10.4 | 10.6 | |
| 40 | 10.1 | 11.2 | 9.9 | 9.8 | 9.9 | 9.6 | 9.7 | 9.2 | 8.9 | 9.1 | 8.8 | 8.7 | 8.2 | 8.7 | 8.5 | 9.1 | 9.6 | 9.6 | 10.0 | 10.3 | 10.5 | |
| 50 | 10.0 | 10.9 | 9.8 | 9.6 | 9.8 | 9.6 | 9.4 | 9.0 | 8.8 | 8.7 | 8.5 | 8.2 | 7.9 | 8.2 | 7.9 | 8.5 | 9.3 | 9.5 | 9.8 | 10.2 | 10.3 | |
| 60 | 9.9 | 10.7 | 9.7 | 9.5 | 9.7 | 9.4 | 9.0 | 8.8 | 8.6 | 8.3 | 8.2 | 8.1 | 7.7 | 8.0 | 7.6 | 8.0 | 9.2 | 9.3 | 9.6 | 10.1 | 10.3 | |
| 70 | 9.9 | 10.4 | 9.7 | 9.5 | 9.7 | 9.3 | 8.9 | 8.7 | 8.6 | 8.3 | 8.1 | 7.9 | 7.6 | 7.8 | 7.3 | 7.7 | 8.9 | 9.2 | 9.6 | 10.1 | 10.2 | |
| 80 | 9.8 | 10.3 | 9.4 | 9.4 | 9.6 | 9.1 | 8.7 | 8.6 | 8.4 | 7.9 | 7.8 | 7.8 | 7.4 | 7.6 | 7.1 | 7.4 | 8.7 | 9.1 | 9.4 | 10.0 | 10.1 | |
| 90 | 9.2 | 10.1 | 9.2 | 9.3 | 9.6 | 9.0 | 8.7 | 8.5 | 8.3 | 7.9 | 7.8 | 7.7 | 7.3 | 7.6 | 7.0 | 7.5 | 8.3 | 8.7 | 9.5 | 9.9 | 10.1 | |
| 100 | 8.3 | 10.0 | 9.2 | 9.3 | 9.6 | 8.9 | 8.6 | 8.2 | 7.9 | 7.9 | 7.6 | 7.4 | 7.3 | 7.3 | 6.8 | 7.0 | 8.1 | 8.1 | 9.4 | 9.8 | 10.0 | |

Secchi depth

| (m) | 12 | 13 | 13 | 11.5 | 11 | 9.5 | 15 | 17 | 17 | 15 | 16 | 13.5 | 5 | 11 | 14 | 15.5 | 12 | 11 | 10 | 10 | 11 |
|-----|----|----|----|------|----|-----|----|----|----|----|----|------|---|----|----|------|----|----|----|----|----|
| | | | | | | | | | | | | | | | | | | | | | |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
 Additional site C (Western Bays) for the period starting 14 July 2003

2003-2004

Temperature

| Date | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 | 7/10/2003 | 21/10/2003 | 19/11/2003 | 4/12/2003 | 18/12/2003 | 13/01/2004 | 26/02/2004 | 8/03/2004 | 31/03/2004 | 14/04/2004 | 10/05/2004 | 10/06/2004 | 13/07/2004 | 26/07/2004 | 24/08/2004 | 7/09/2004 | |
|-----------|------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.86 | 11.43 | 11.56 | 11.31 | 11.32 | 11.85 | 13.29 | 15.10 | 15.79 | 17.00 | 20.17 | 16.90 | 18.43 | 16.37 | 15.41 | 14.98 | 13.16 | 11.58 | 11.51 | 10.97 | 11.14 | |
| 10 | 11.80 | 11.36 | 11.26 | 11.21 | 11.13 | 11.24 | 11.93 | 13.84 | 15.29 | 16.33 | 18.89 | 16.69 | 17.02 | 16.35 | 15.18 | 14.80 | 13.08 | 11.61 | 11.32 | 10.94 | 10.73 | |
| 20 | 11.80 | 11.34 | 11.25 | 11.14 | 11.09 | 11.17 | 11.62 | 13.76 | 14.31 | 15.26 | 17.11 | 16.34 | 16.45 | 16.35 | 15.15 | 14.76 | 13.07 | 11.61 | 11.30 | 10.90 | 10.71 | |
| 30 | 11.80 | 11.32 | 11.25 | 11.14 | 11.08 | 11.14 | 11.52 | 13.63 | 12.99 | 13.46 | 13.74 | 14.66 | 15.33 | 15.95 | 15.15 | 14.75 | 13.07 | 11.61 | 11.31 | 10.90 | 10.71 | |
| 40 | 11.80 | 11.31 | 11.25 | 11.14 | 11.08 | 11.14 | 11.50 | 11.91 | 12.03 | 12.88 | 12.25 | 12.56 | 13.64 | 13.21 | 15.14 | 14.73 | 13.07 | 11.60 | 11.31 | 10.89 | 10.70 | |
| 50 | 11.80 | 11.31 | 11.25 | 11.14 | 11.07 | 11.13 | 11.46 | 11.42 | 11.43 | 11.64 | 11.57 | 11.63 | 11.64 | 11.68 | 12.68 | 12.57 | 12.80 | 11.61 | 11.30 | 10.90 | 10.70 | |
| 60 | 11.80 | 11.31 | 11.25 | 11.14 | 11.07 | 11.13 | 11.38 | 11.31 | 11.30 | 11.31 | 11.36 | 11.53 | 11.48 | 11.45 | 11.76 | 11.73 | 11.68 | 11.60 | 11.30 | 10.89 | 10.70 | |
| 70 | 11.80 | 11.31 | 11.25 | 11.14 | 11.07 | 11.12 | 11.21 | 11.27 | 11.28 | 11.26 | 11.28 | 11.39 | 11.37 | 11.34 | 11.54 | 11.48 | 11.44 | 11.61 | 11.30 | 10.89 | 10.70 | |
| 80 | 11.79 | 11.31 | 11.25 | 11.14 | 11.07 | 1.10 | 11.13 | 11.20 | 11.25 | 11.22 | 11.25 | 11.31 | 11.35 | 11.32 | 11.37 | 11.39 | 11.37 | 11.58 | 11.30 | 10.89 | 10.70 | |
| 90 | 11.60 | 11.29 | 11.25 | 11.14 | 11.07 | 11.04 | 11.07 | 11.14 | 11.21 | 11.19 | 11.21 | 11.26 | 11.33 | 11.29 | 11.30 | 11.32 | 11.33 | 11.61 | 11.30 | 10.89 | 10.70 | |
| 100 | 11.28 | 11.27 | 11.24 | 11.14 | 11.07 | 11.03 | 11.07 | 11.11 | 11.19 | 11.12 | 11.19 | 11.23 | 11.32 | 11.25 | 11.29 | 11.31 | 11.32 | 11.61 | 11.30 | 10.89 | 10.70 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 | 7/10/2003 | 21/10/2003 | 19/11/2003 | 4/12/2003 | 18/12/2003 | 13/01/2004 | 26/02/2004 | 8/03/2004 | 31/03/2004 | 14/04/2004 | 10/05/2004 | 10/06/2004 | 13/07/2004 | 26/07/2004 | 24/08/2004 | 7/09/2004 |
|-----------|------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|
| 0 | 10.3 | 10.7 | 10.3 | 10.4 | 10.4 | 11.4 | 10.1 | 9.8 | 9.5 | 9.2 | 9.2 | 9.3 | 9.3 | 9.4 | 10.4 | 10.3 | 10.6 | 10.6 | 11.0 | 10.4 | 10.7 |
| 10 | 10.3 | 10.8 | 10.3 | 10.3 | 10.4 | 11.0 | 10.1 | 9.9 | 9.9 | 9.1 | 9.2 | 9.1 | 9.0 | 9.2 | 9.5 | 9.8 | 10.1 | 10.6 | 10.5 | 10.4 | 10.4 |
| 20 | 10.1 | 10.3 | 10.1 | 10.1 | 10.2 | 10.8 | 9.9 | 9.9 | 9.5 | 9.2 | 9.1 | 9.2 | 9.1 | 9.0 | 9.1 | 9.7 | 9.9 | 10.6 | 10.2 | 10.3 | 10.4 |
| 30 | 10.1 | 10.0 | 9.9 | 9.9 | 10.0 | 10.1 | 9.6 | 9.6 | 9.3 | 9.1 | 8.8 | 8.6 | 8.6 | 8.9 | 8.9 | 9.4 | 9.7 | 10.3 | 9.9 | 10.2 | 10.4 |
| 40 | 10.0 | 10.0 | 9.8 | 9.7 | 9.9 | 9.7 | 9.4 | 9.4 | 9.0 | 9.1 | 8.8 | 8.4 | 8.4 | 8.3 | 8.7 | 9.2 | 9.6 | 9.9 | 9.8 | 10.1 | 10.3 |
| 50 | 9.9 | 9.9 | 9.6 | 9.6 | 9.7 | 9.7 | 9.3 | 9.2 | 8.8 | 8.8 | 8.5 | 8.2 | 8.0 | 8.0 | 8.2 | 8.7 | 9.3 | 9.6 | 9.6 | 10.1 | 10.2 |
| 60 | 9.8 | 9.6 | 9.6 | 9.5 | 9.6 | 9.5 | 9.2 | 9.0 | 8.5 | 8.5 | 8.2 | 8.0 | 7.9 | 8.0 | 7.8 | 8.2 | 8.6 | 9.5 | 9.5 | 10.1 | 10.2 |
| 70 | 9.8 | 9.5 | 9.5 | 9.4 | 9.5 | 9.4 | 9.1 | 8.8 | 8.5 | 8.3 | 8.1 | 7.9 | 7.8 | 7.9 | 7.5 | 8.0 | 8.2 | 9.4 | 9.5 | 10.0 | 10.1 |
| 80 | 9.7 | 9.5 | 9.5 | 9.4 | 9.5 | 9.3 | 8.8 | 8.8 | 8.3 | 8.2 | 7.9 | 7.8 | 7.8 | 7.8 | 7.4 | 7.8 | 8.0 | 9.3 | 9.4 | 10.0 | 10.0 |
| 90 | 9.6 | 9.1 | 9.4 | 9.3 | 9.4 | 9.2 | 8.7 | 8.6 | 8.4 | 7.9 | 7.8 | 7.8 | 7.7 | 7.7 | 7.3 | 7.6 | 7.9 | 9.2 | 9.2 | 9.9 | 10.0 |
| 100 | 8.8 | 8.8 | 9.0 | 9.3 | 9.4 | 9.1 | 8.7 | 8.5 | 8.3 | 7.9 | 7.7 | 7.6 | 7.7 | 7.5 | 7.3 | 7.5 | 7.8 | 9.1 | 9.3 | 9.9 | 10.0 |

Secchi depth

| (m) | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 | 7/10/2003 | 21/10/2003 | 19/11/2003 | 4/12/2003 | 18/12/2003 | 13/01/2004 | 26/02/2004 | 8/03/2004 | 31/03/2004 | 14/04/2004 | 10/05/2004 | 10/06/2004 | 13/07/2004 | 26/07/2004 | 24/08/2004 | 7/09/2004 |
|-----|------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|
| | 14 | 12 | 14.5 | 13 | 12 | 12.5 | 12 | 17.2 | 17 | 19 | 17.5 | 14 | 13 | 12.5 | 16.5 | 16 | 14 | 12.5 | 11 | 10 | 12 |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
Mid-Lake site A for the period starting 1 July 2002

2002-2003

Temperature

| Date | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 | 9/10/2002 | 13/11/2002 | 28/11/2002 | 18/12/2002 | 30/01/2003 | 13/02/2003 | 17/03/2003 | 3/04/2003 | 28/04/2003 | 15/05/2003 | 12/06/2003 | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 | |
|-----------|-----------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 12.13 | 11.44 | 11.20 | 11.10 | 11.38 | 11.60 | 12.58 | 14.12 | 15.00 | 17.84 | 19.31 | 18.55 | 19.05 | 16.76 | 15.67 | 13.59 | 11.85 | 11.38 | 11.25 | 11.23 | 11.13 | |
| 10 | 12.12 | 11.44 | 11.20 | 10.90 | 11.33 | 11.60 | 12.55 | 14.02 | 14.78 | 17.59 | 19.19 | 18.43 | 18.70 | 16.73 | 15.57 | 13.56 | 11.86 | 11.38 | 11.24 | 11.17 | 11.13 | |
| 20 | 12.11 | 11.44 | 11.20 | 10.90 | 11.28 | 11.40 | 12.50 | 12.91 | 14.48 | 17.08 | 18.10 | 18.37 | 18.59 | 16.73 | 15.56 | 13.55 | 11.86 | 11.38 | 11.24 | 11.12 | 11.11 | |
| 30 | 12.11 | 11.44 | 11.20 | 10.80 | 11.02 | 11.30 | 12.38 | 12.41 | 14.26 | 16.13 | 15.50 | 16.77 | 17.02 | 16.72 | 15.57 | 13.55 | 11.86 | 11.38 | 11.24 | 11.11 | 11.06 | |
| 40 | 12.11 | 11.44 | 11.20 | 10.90 | 10.97 | 11.30 | 12.16 | 11.98 | 12.67 | 12.69 | 12.85 | 13.44 | 13.31 | 12.80 | 15.53 | 12.22 | 11.86 | 11.38 | 11.24 | 11.11 | 11.06 | |
| 50 | 12.11 | 11.44 | 11.20 | 10.90 | 10.96 | 11.20 | 12.00 | 11.54 | 11.87 | 12.03 | 12.14 | 12.03 | 12.30 | 11.96 | 12.20 | 11.82 | 11.86 | 11.38 | 11.24 | 11.11 | 11.06 | |
| 60 | 12.10 | 11.44 | 11.20 | 10.80 | 10.94 | 11.20 | 11.72 | 11.22 | 11.64 | 11.70 | 11.68 | 11.60 | 11.81 | 11.62 | 11.61 | 11.52 | 11.86 | 11.38 | 11.24 | 11.11 | 11.06 | |
| 70 | 12.10 | 11.44 | 11.20 | 10.80 | 10.93 | 11.20 | 11.51 | 11.09 | 11.31 | 11.41 | 11.33 | 11.39 | 11.52 | 11.34 | 11.36 | 11.38 | 11.86 | 11.38 | 11.24 | 11.10 | 11.06 | |
| 80 | 11.97 | 11.44 | 11.20 | 10.90 | 10.92 | 11.10 | 11.32 | 10.98 | 11.17 | 11.25 | 11.25 | 11.27 | 11.31 | 11.27 | 11.27 | 11.27 | 11.35 | 11.38 | 11.24 | 11.00 | 11.06 | |
| 90 | 11.49 | 11.43 | 11.20 | 10.90 | 10.91 | 11.10 | 11.13 | 10.95 | 11.06 | 11.15 | 11.16 | 11.16 | 11.20 | 11.17 | 11.22 | 11.21 | 11.31 | 11.38 | 11.24 | 11.09 | 11.06 | |
| 100 | 11.39 | 11.41 | 11.20 | 10.90 | 10.90 | 11.10 | 11.05 | 10.92 | 11.04 | 11.11 | 11.10 | 11.13 | 11.18 | 11.15 | 11.20 | 11.20 | 11.27 | 11.35 | 11.24 | 11.09 | 11.06 | |
| 110 | 11.32 | 11.37 | 11.20 | 10.90 | 10.89 | 11.00 | 11.05 | 10.90 | 11.04 | 11.09 | 11.08 | 11.10 | 11.13 | 11.13 | 11.16 | 11.17 | 11.24 | 11.34 | 11.23 | 11.09 | 11.06 | |
| 120 | 11.29 | 11.32 | 11.20 | 10.90 | 10.87 | 11.00 | 11.01 | 10.87 | 11.00 | 11.06 | 11.06 | 11.09 | 11.13 | 11.13 | 11.15 | 11.15 | 11.22 | 11.32 | 11.22 | 11.09 | 11.06 | |
| 130 | 11.25 | 11.27 | 11.20 | 10.90 | 10.85 | 10.90 | 10.99 | 10.85 | 10.98 | 11.04 | 11.04 | 11.08 | 11.09 | 11.10 | 11.12 | 11.12 | 11.21 | 11.27 | 11.22 | 11.08 | 11.06 | |
| 140 | 11.23 | 11.26 | 11.20 | 10.80 | 10.83 | 10.90 | 10.97 | 10.83 | 10.97 | 11.03 | 11.03 | 11.09 | 11.09 | 11.09 | 11.12 | 11.11 | 11.21 | 11.26 | 11.21 | 11.08 | 11.06 | |
| 150 | 11.23 | 11.26 | 11.20 | 10.80 | 10.81 | 10.90 | 10.96 | 10.82 | 10.97 | 11.03 | 11.03 | 11.07 | 11.08 | 11.09 | 11.11 | 11.11 | 11.20 | 11.22 | 11.20 | 11.08 | 11.07 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
|-----------|------|------|-----|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|--|
| 0 | 10.3 | 10.4 | 9.7 | 10.5 | 10.5 | 10.3 | 10.2 | 9.8 | 9.6 | 9.1 | 8.9 | 9.0 | 8.8 | 9.2 | 9.5 | 10.0 | 10.3 | 10.6 | 10.5 | 10.5 | 10.5 | |
| 10 | 10.3 | 10.7 | 9.5 | 10.4 | 10.7 | 10.3 | 10.2 | 10.0 | 9.7 | 9.1 | 8.9 | 8.9 | 8.8 | 9.2 | 9.2 | 9.7 | 10.2 | 10.4 | 10.5 | 10.5 | 10.6 | |
| 20 | 10.3 | 10.7 | 9.4 | 10.3 | 10.6 | 10.2 | 10.2 | 10.1 | 9.6 | 9.2 | 8.9 | 8.8 | 8.6 | 9.1 | 9.3 | 9.4 | 10.2 | 10.2 | 10.3 | 10.4 | 10.4 | |
| 30 | 10.2 | 10.7 | 9.4 | 10.3 | 10.5 | 10.2 | 10.2 | 10.1 | 9.6 | 9.1 | 8.8 | 8.5 | 8.3 | 8.9 | 9.2 | 9.3 | 10.2 | 9.9 | 10.1 | 10.3 | 10.1 | |
| 40 | 10.2 | 10.6 | 9.4 | 10.2 | 10.4 | 10.2 | 10.1 | 9.7 | 9.5 | 9.2 | 8.8 | 8.4 | 8.0 | 8.4 | 9.1 | 9.0 | 10.1 | 9.9 | 10.0 | 10.0 | 9.8 | |
| 50 | 10.2 | 10.6 | 9.4 | 10.2 | 10.3 | 10.1 | 10.1 | 9.7 | 9.3 | 9.1 | 8.6 | 8.2 | 7.8 | 8.2 | 8.2 | 8.2 | 10.0 | 9.0 | 9.9 | 9.9 | 9.8 | |
| 60 | 10.1 | 10.5 | 9.4 | 10.2 | 10.2 | 10.1 | 10.0 | 9.5 | 9.1 | 8.9 | 8.4 | 8.0 | 7.7 | 8.1 | 8.1 | 8.1 | 9.9 | 8.8 | 9.8 | 9.7 | 9.6 | |
| 70 | 10.1 | 10.5 | 9.3 | 10.1 | 10.2 | 10.0 | 9.9 | 9.5 | 8.8 | 8.8 | 8.4 | 7.8 | 7.6 | 8.0 | 8.0 | 8.0 | 9.9 | 8.7 | 9.8 | 9.6 | 9.6 | |
| 80 | 10.0 | 10.3 | 9.4 | 10.1 | 10.2 | 10.1 | 9.7 | 9.4 | 8.7 | 8.7 | 8.3 | 7.8 | 7.5 | 7.9 | 7.8 | 7.9 | 8.7 | 8.6 | 9.7 | 9.5 | 9.5 | |
| 90 | 9.7 | 10.3 | 9.4 | 10.1 | 10.1 | 10.1 | 9.5 | 9.3 | 8.7 | 8.7 | 8.2 | 7.8 | 7.4 | 7.8 | 7.5 | 7.6 | 8.5 | 8.5 | 9.7 | 9.5 | 9.5 | |
| 100 | 8.6 | 10.1 | 9.4 | 10.1 | 10.0 | 9.8 | 9.4 | 9.1 | 8.6 | 8.6 | 8.1 | 7.7 | 7.3 | 7.7 | 7.2 | 7.5 | 8.2 | 8.4 | 9.6 | 9.5 | 9.5 | |
| 110 | 8.3 | 9.8 | 9.3 | 9.9 | 9.9 | 9.8 | 9.4 | 9.1 | 8.4 | 8.4 | 8.0 | 7.6 | 7.2 | 7.6 | 7.1 | 7.4 | 8.2 | 8.1 | 9.6 | 9.4 | 9.5 | |
| 120 | 8.1 | 8.8 | 9.3 | 9.9 | 9.9 | 9.8 | 9.3 | 9.0 | 8.3 | 8.3 | 7.8 | 7.4 | 7.0 | 7.5 | 7.1 | 7.2 | 8.0 | 8.0 | 9.5 | 9.4 | 9.5 | |
| 130 | 8.0 | 8.5 | 9.3 | 9.9 | 9.9 | 9.7 | 9.2 | 9.0 | 8.3 | 8.2 | 7.7 | 7.2 | 6.9 | 7.4 | 7.0 | 7.0 | 8.0 | 7.9 | 9.5 | 9.4 | 9.4 | |
| 140 | 7.8 | 8.1 | 9.3 | 9.9 | 9.9 | 9.4 | 9.0 | 8.8 | 8.2 | 8.0 | 7.4 | 7.1 | 6.8 | 7.2 | 6.8 | 6.7 | 7.8 | 7.8 | 9.5 | 9.3 | 9.4 | |
| 150 | 7.8 | 8.1 | 9.3 | 9.8 | 9.8 | 9.4 | 8.9 | 8.7 | 8.1 | 7.9 | 7.3 | 6.9 | 6.5 | 6.9 | 6.7 | 6.5 | 7.7 | 7.6 | 9.3 | 9.3 | 9.4 | |

Secchi depth

| (m) | 16 | 15.5 | 12 | 9.5 | 12 | 15.5 | 18 | 12.7 | 13.5 | 18 | 19 | 15 | 13.5 | 14 | 16.5 | 11 | 14.5 | 14 | 13.5 | 13 | 12.5 |
|-----|----|------|----|-----|----|------|----|------|------|----|----|----|------|----|------|----|------|----|------|----|------|
| | | | | | | | | | | | | | | | | | | | | | |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
 Additional site B (Kuratau Basin) for the period starting 1 July 2002

2002-2003

Temperature

| Date | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 | 9/10/2002 | 13/11/2002 | 28/11/2002 | 18/12/2002 | 30/01/2003 | 13/02/2003 | 17/03/2003 | 3/04/2003 | 28/04/2003 | 15/05/2003 | 12/06/2003 | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 | |
|-----------|-----------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 12.13 | 11.48 | 11.3 | 11 | 11.08 | 11.70 | 11.98 | 13.82 | 15.16 | 16.76 | 18.87 | 18.74 | 19.09 | 16.73 | 15.79 | 13.24 | 11.82 | 11.32 | 11.38 | 11.36 | 11.13 | |
| 10 | 12.09 | 11.49 | 11.1 | 10.8 | 11.05 | 11.30 | 11.94 | 13.67 | 15.08 | 16.75 | 18.46 | 18.54 | 18.82 | 16.66 | 15.49 | 13.02 | 11.8 | 11.29 | 11.22 | 11.17 | 11.11 | |
| 20 | 12.09 | 11.48 | 11.1 | 10.8 | 11.03 | 11.20 | 11.9 | 12.79 | 13.86 | 16.53 | 17.71 | 18.45 | 18.49 | 16.62 | 15.47 | 12.79 | 11.79 | 11.29 | 11.22 | 11.14 | 11.07 | |
| 30 | 12.09 | 11.48 | 11.1 | 10.8 | 11.03 | 11.20 | 11.8 | 12.31 | 13.4 | 14.33 | 16.2 | 14.87 | 15.32 | 16.2 | 15.41 | 11.83 | 11.79 | 11.29 | 11.21 | 11.13 | 11.03 | |
| 40 | 12.08 | 11.48 | 11.1 | 10.8 | 11.02 | 11.20 | 11.68 | 11.75 | 13.18 | 12.98 | 13.89 | 12.03 | 13.25 | 13.46 | 13.2 | 11.62 | 11.79 | 11.29 | 11.21 | 11.13 | 11.02 | |
| 50 | 11.97 | 11.49 | 11.1 | 10.8 | 10.91 | 11.20 | 11.44 | 11.44 | 12.91 | 12.1 | 12.59 | 12.06 | 12 | 12.28 | 12.09 | 11.51 | 11.79 | 11.29 | 11.21 | 11.13 | 11.02 | |
| 60 | 11.93 | 11.49 | 11.1 | 10.8 | 10.9 | 11.10 | 11.26 | 11.27 | 12.27 | 11.69 | 11.75 | 11.58 | 11.58 | 11.7 | 11.71 | 11.38 | 11.78 | 11.29 | 11.21 | 11.13 | 11.01 | |
| 70 | 11.87 | 11.48 | 11.1 | 10.8 | 10.89 | 11.10 | 11.11 | 11.17 | 11.58 | 11.37 | 11.4 | 11.36 | 11.35 | 11.4 | 11.4 | 11.29 | 11.78 | 11.29 | 11.21 | 11.12 | 11.01 | |
| 80 | 11.78 | 11.48 | 11.1 | 10.8 | 10.89 | 11.00 | 11 | 11.03 | 11.51 | 11.23 | 11.3 | 11.24 | 11.25 | 11.25 | 11.28 | 11.27 | 11.77 | 11.29 | 11.16 | 11.12 | 11.01 | |
| 90 | 11.37 | 11.46 | 11.1 | 10.7 | 10.87 | 11.00 | 10.93 | 10.96 | 11.39 | 11.14 | 11.17 | 11.13 | 11.15 | 11.18 | 11.21 | 11.26 | 11.35 | 11.29 | 11.04 | 11.11 | 11.01 | |
| 100 | 11.28 | 11.3 | 11 | 10.7 | 10.85 | 11.00 | 10.91 | 10.92 | 11.2 | 11.09 | 11.12 | 11.13 | 11.12 | 11.12 | 11.18 | 11.25 | 11.27 | 11.29 | 10.91 | 11.08 | 11.01 | |
| 110 | | | 10.7 | 10.7 | | 10.90 | | | | | | | | | | | | | | | | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
|-----------|------|------|-----|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|--|
| 0 | 10.3 | 10.4 | 9.9 | 10.4 | 10.4 | 10.4 | 10.3 | 9.9 | 9.6 | 9.3 | 9.4 | 8.9 | 8.9 | 9.7 | 9.4 | 10 | 10.7 | 10.9 | 10.8 | 10.6 | 10.6 | |
| 10 | 10.3 | 10.8 | 9.7 | 10.3 | 10.5 | 10.5 | 10.3 | 10 | 9.7 | 9.3 | 9.3 | 8.9 | 8.8 | 9.6 | 9.4 | 10 | 10.5 | 11 | 10.6 | 10.6 | 10.5 | |
| 20 | 10.2 | 10.6 | 9.6 | 10.3 | 10.5 | 10.3 | 10.3 | 9.9 | 9.5 | 9.2 | 9.3 | 8.8 | 8.5 | 9.5 | 9.3 | 9.6 | 10.3 | 11.3 | 10.4 | 10.2 | 10.2 | |
| 30 | 10.2 | 10.6 | 9.6 | 10.2 | 10.5 | 10.3 | 10.3 | 9.9 | 9.6 | 9.2 | 9.2 | 8.2 | 8.1 | 9.4 | 8.8 | 9.2 | 10.2 | 11.2 | 10.1 | 9.9 | 10.1 | |
| 40 | 10.1 | 10.5 | 9.6 | 10.2 | 10.4 | 10.2 | 10.2 | 9.5 | 9.4 | 9.1 | 9 | 8.2 | 8 | 8.8 | 8.5 | 8.8 | 10.1 | 11.2 | 9.9 | 9.8 | 9.9 | |
| 50 | 10.1 | 10.5 | 9.6 | 10.1 | 10.3 | 10.1 | 10.1 | 9.5 | 9.4 | 8.9 | 8.8 | 8 | 7.7 | 8.3 | 7.9 | 8.5 | 10 | 10.9 | 9.8 | 9.6 | 9.8 | |
| 60 | 9.8 | 10.4 | 9.6 | 10.1 | 10.2 | 10.1 | 9.9 | 9.4 | 9.2 | 8.6 | 8.6 | 7.8 | 7.6 | 8.3 | 7.8 | 8.3 | 9.9 | 10.7 | 9.7 | 9.5 | 9.7 | |
| 70 | 9.7 | 10.4 | 9.5 | 10 | 10.1 | 9.8 | 9.8 | 9.4 | 9 | 8.4 | 8.4 | 7.7 | 7.4 | 8.2 | 7.7 | 8.2 | 9.9 | 10.4 | 9.7 | 9.5 | 9.7 | |
| 80 | 9.5 | 10.3 | 9.5 | 10 | 10.1 | 9.7 | 9.7 | 9 | 8.6 | 8.3 | 8.3 | 7.3 | 7.3 | 8 | 7.7 | 8.1 | 9.8 | 10.3 | 9.4 | 9.4 | 9.6 | |
| 90 | 9.1 | 10.3 | 9.5 | 10 | 10 | 9.7 | 9.5 | 9 | 8.6 | 8.2 | 8 | 7.2 | 7.1 | 7.7 | 7.5 | 7.7 | 9.2 | 10.1 | 9.2 | 9.3 | 9.6 | |
| 100 | 8.7 | 9.8 | 9.6 | 9.9 | 9.9 | 9.7 | 9.2 | 9 | 8.4 | 7.7 | 7.6 | 7 | 7 | 7.6 | 7.1 | 7.5 | 8.3 | 10 | 9.2 | 9.3 | 9.6 | |
| 110 | | | 9.2 | 9.8 | | 9.4 | | | | | | | | | | | | | | | | |

Secchi depth

| (m) | 16 | 12.5 | 10.5 | 8 | 11 | 16 | 14 | 12.7 | 14 | 18 | 11 | 14 | 12.8 | 13.5 | 15.5 | 12 | 12 | 13 | 13 | 11.5 | 11 | |
|-----|----|------|------|---|----|----|----|------|----|----|----|----|------|------|------|----|----|----|----|------|----|--|
| | | | | | | | | | | | | | | | | | | | | | | |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
 Additional site C (Western Bays) for the period starting 1 July 2002

2002-2003

| Temperature | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|-----------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Date | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 | 9/10/2002 | 13/11/2002 | 28/11/2002 | 18/12/2002 | 30/01/2003 | 13/02/2003 | 17/03/2003 | 3/04/2003 | 28/04/2003 | 15/05/2003 | 12/06/2003 | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 |
| Depth (m) | | | | | | | | | | | | | | | | | | | | | |
| 0 | 12.22 | 11.52 | 11.6 | 11.4 | 11.24 | 12.10 | 12.56 | 13.98 | 15.12 | 17.61 | 19.58 | 19.04 | 18.15 | 17.1 | 15.8 | 13.65 | 11.86 | 11.43 | 11.56 | 11.31 | 11.32 |
| 10 | 12.15 | 11.5 | 11.2 | 10.9 | 11.23 | 11.30 | 12.5 | 13.45 | 14.21 | 17.49 | 18.95 | 18.45 | 18.58 | 16.82 | 15.54 | 13.62 | 11.8 | 11.36 | 11.26 | 11.21 | 11.13 |
| 20 | 12.14 | 11.49 | 11.2 | 10.9 | 11.16 | 11.30 | 12.38 | 12.63 | 13.31 | 17.48 | 17.41 | 18.29 | 18.3 | 16.77 | 15.52 | 13.59 | 11.8 | 11.34 | 11.25 | 11.14 | 11.09 |
| 30 | 12.14 | 11.49 | 11.2 | 10.8 | 11.06 | 11.20 | 12.33 | 12.42 | 12.73 | 14.31 | 14.19 | 14.81 | 14.61 | 16.76 | 15.51 | 13.59 | 11.8 | 11.32 | 11.25 | 11.14 | 11.08 |
| 40 | 12.13 | 11.49 | 11.2 | 10.8 | 11.02 | 11.20 | 11.75 | 12.2 | 11.98 | 12.36 | 12.79 | 12.88 | 12.73 | 13.62 | 13.07 | 13.59 | 11.8 | 11.31 | 11.25 | 11.14 | 11.08 |
| 50 | 12.13 | 11.49 | 11.2 | 10.8 | 11.02 | 11.20 | 11.28 | 11.98 | 11.53 | 12 | 11.98 | 11.86 | 12.1 | 12.08 | 12.14 | 13.54 | 11.8 | 11.31 | 11.25 | 11.14 | 11.07 |
| 60 | 11.92 | 11.49 | 11.2 | 10.8 | 11 | 11.10 | 11.12 | 11.37 | 11.33 | 11.61 | 11.68 | 11.49 | 11.71 | 11.56 | 11.71 | 13.28 | 11.8 | 11.31 | 11.25 | 11.14 | 11.07 |
| 70 | 11.55 | 11.49 | 11.2 | 10.8 | 10.99 | 11.10 | 11.08 | 11.21 | 11.15 | 11.29 | 11.3 | 11.35 | 11.37 | 11.35 | 11.4 | 11.8 | 11.8 | 11.31 | 11.25 | 11.14 | 11.07 |
| 80 | 11.5 | 11.49 | 11.2 | 10.8 | 10.95 | 11.10 | 11.03 | 11.04 | 11.12 | 11.19 | 11.19 | 11.25 | 11.22 | 11.24 | 11.27 | 11.45 | 11.79 | 11.31 | 11.25 | 11.14 | 11.07 |
| 90 | 11.47 | 11.49 | 11.2 | 10.8 | 10.94 | 11.00 | 11 | 10.98 | 11.1 | 11.11 | 11.15 | 11.2 | 11.18 | 11.18 | 11.22 | 11.35 | 11.6 | 11.29 | 11.25 | 11.14 | 11.07 |
| 100 | 11.45 | 11.49 | 11.2 | 10.8 | 10.92 | 11.00 | 10.97 | 10.96 | 11.08 | 11.08 | 11.13 | 11.2 | 11.15 | 11.15 | 11.17 | 11.23 | 11.28 | 11.27 | 11.24 | 11.14 | 11.07 |
| Dissolved Oxygen (g m ⁻³) | | | | | | | | | | | | | | | | | | | | | |
| Depth (m) | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 | 9/10/2002 | 13/11/2002 | 28/11/2002 | 18/12/2002 | 30/01/2003 | 13/02/2003 | 17/03/2003 | 3/04/2003 | 28/04/2003 | 15/05/2003 | 12/06/2003 | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 |
| 0 | 10.4 | 10.5 | 9.7 | 10.3 | 10.5 | 10.4 | 10.2 | 9.9 | 9.6 | 9.1 | 9.5 | 9.9 | 8.9 | 9.4 | 9.3 | 10 | 10.3 | 10.7 | 10.3 | 10.4 | 10.4 |
| 10 | 10.4 | 10.8 | 9.5 | 10.2 | 10.7 | 10.4 | 10.3 | 9.7 | 9.6 | 9 | 9.3 | 9.7 | 8.8 | 9.2 | 9.1 | 9.6 | 10.3 | 10.8 | 10.3 | 10.3 | 10.4 |
| 20 | 10.4 | 10.8 | 9.5 | 10.2 | 10.7 | 10.4 | 10.3 | 9.9 | 9.7 | 9 | 9.3 | 9 | 8.8 | 9.2 | 9 | 9.3 | 10.1 | 10.3 | 10.1 | 10.1 | 10.2 |
| 30 | 10.3 | 10.7 | 9.4 | 10.1 | 10.6 | 10.4 | 10.2 | 9.9 | 9.6 | 8.7 | 9 | 8.4 | 8.3 | 9 | 8.8 | 9.1 | 10.1 | 10 | 9.9 | 9.9 | 10 |
| 40 | 10.3 | 10.5 | 9.4 | 10 | 10.5 | 10.3 | 10.1 | 9.7 | 9.5 | 8.7 | 9 | 8.4 | 8.1 | 8.5 | 8.3 | 9.3 | 10 | 10 | 9.8 | 9.7 | 9.9 |
| 50 | 10.2 | 10.5 | 9.4 | 10 | 10.4 | 10 | 9.9 | 9.7 | 9.2 | 8.6 | 8.7 | 8.1 | 7.9 | 8.2 | 7.8 | 9.2 | 9.9 | 9.9 | 9.6 | 9.6 | 9.7 |
| 60 | 10 | 10.5 | 9.4 | 10 | 10.4 | 10 | 9.7 | 9.6 | 9.1 | 8.5 | 8.5 | 8.1 | 7.9 | 8.2 | 7.8 | 9.9 | 9.8 | 9.6 | 9.6 | 9.5 | 9.6 |
| 70 | 9.6 | 10.5 | 9.4 | 9.9 | 10.3 | 9.9 | 9.7 | 9.5 | 9 | 8.4 | 8.4 | 7.9 | 7.8 | 8 | 7.7 | 9.7 | 9.8 | 9.5 | 9.5 | 9.4 | 9.5 |
| 80 | 8.8 | 10.5 | 9.3 | 9.9 | 10.2 | 9.9 | 9.5 | 9 | 8.8 | 8.3 | 8.3 | 7.6 | 7.7 | 8 | 7.5 | 9.4 | 9.7 | 9.5 | 9.5 | 9.4 | 9.5 |
| 90 | 8.7 | 10.4 | 9.3 | 9.9 | 10.1 | 9.8 | 9.5 | 9.1 | 8.7 | 8.1 | 8.3 | 7.5 | 7.6 | 7.9 | 7.3 | 9.2 | 9.6 | 9.1 | 9.4 | 9.3 | 9.4 |
| 100 | 8.6 | 10.2 | 9.3 | 10 | 10 | 9.6 | 9.3 | 9.1 | 8.7 | 8 | 8.1 | 7.3 | 7.4 | 7.8 | 7.2 | 9.1 | 8.8 | 8.8 | 9 | 9.3 | 9.4 |
| Secchi depth | | | | | | | | | | | | | | | | | | | | | |
| (m) | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 | 9/10/2002 | 13/11/2002 | 28/11/2002 | 18/12/2002 | 30/01/2003 | 13/02/2003 | 17/03/2003 | 3/04/2003 | 28/04/2003 | 15/05/2003 | 12/06/2003 | 14/07/2003 | 31/07/2003 | 14/08/2003 | 26/08/2003 | 8/09/2003 |
| | 14 | 12.5 | 12 | 8 | 12 | 19 | 16 | 15.5 | 13.5 | 18.5 | 19 | 15 | 14.5 | 14.5 | 17 | 11 | 14 | 12 | 14.5 | 13 | 12 |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.

2001-2002

Mid-Lake site A for the period starting 2 July 2001

| Temperature | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---------|----------|----------|---------|----------|----------|----------|----------|----------|---------|----------|---------|---------|----------|---------|----------|---------|----------|----------|----------|----------|---------|
| Date | 2/07/01 | 25/07/01 | 13/08/01 | 3/09/01 | 25/09/01 | 25/10/01 | 12/11/01 | 10/12/01 | 20/12/01 | 8/01/02 | 22/01/02 | 6/03/02 | 4/04/02 | 22/04/02 | 5/05/02 | 19/06/02 | 1/07/02 | 17/07/02 | 31/07/02 | 29/08/02 | 18/09/02 | 9/10/02 |
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 12.11 | 11.26 | 11.15 | 10.96 | 11.58 | 12.97 | 14.23 | 15.47 | 17.92 | 18.37 | 19.4 | 18.69 | 17.45 | 17.05 | 15.51 | 12.57 | 12.13 | 11.44 | 11.2 | 11.1 | 11.38 | 11.60 |
| 10 | 12.04 | 11.26 | 11.12 | 10.98 | 11.57 | 12.91 | 14.16 | 15.51 | 16.60 | 18.07 | 18.8 | 18.69 | 17.38 | 16.64 | 15.54 | 12.57 | 12.12 | 11.44 | 11.2 | 10.9 | 11.33 | 11.60 |
| 20 | 12.00 | 11.26 | 11.12 | 10.95 | 11.56 | 12.90 | 13.37 | 15.52 | 15.46 | 17.62 | 18.05 | 18.68 | 17.18 | 16.61 | 15.52 | 12.57 | 12.11 | 11.44 | 11.2 | 10.9 | 11.28 | 11.40 |
| 30 | 11.99 | 11.26 | 11.11 | 10.94 | 11.52 | 12.89 | 12.85 | 14.52 | 13.79 | 13.5 | 14.8 | 15.3 | 16.83 | 16.56 | 15.5 | 12.56 | 12.11 | 11.44 | 11.2 | 10.8 | 11.02 | 11.30 |
| 40 | 11.98 | 11.26 | 11.11 | 10.94 | 11.04 | 12.00 | 11.87 | 13.01 | 12.41 | 12.43 | 13.1 | 12.42 | 12.9 | 13.35 | 15.39 | 12.56 | 12.11 | 11.44 | 11.2 | 10.9 | 10.97 | 11.30 |
| 50 | 11.98 | 11.26 | 11.11 | 10.94 | 10.96 | 11.50 | 11.57 | 11.80 | 11.70 | 11.61 | 12.06 | 11.73 | 12.09 | 11.93 | 11.92 | 12.56 | 12.11 | 11.44 | 11.2 | 10.9 | 10.96 | 11.20 |
| 60 | 11.95 | 11.26 | 11.10 | 10.94 | 10.92 | 11.13 | 11.24 | 11.27 | 11.32 | 11.38 | 11.52 | 11.43 | 11.51 | 11.53 | 11.49 | 12.53 | 12.1 | 11.44 | 11.2 | 10.8 | 10.94 | 11.20 |
| 70 | 11.76 | 11.26 | 11.09 | 10.94 | 10.91 | 11.01 | 11.13 | 11.13 | 11.22 | 11.24 | 11.25 | 11.27 | 11.3 | 11.3 | 11.33 | 11.98 | 12.1 | 11.44 | 11.2 | 10.8 | 10.93 | 11.20 |
| 80 | 11.51 | 11.26 | 11.08 | 10.92 | 10.90 | 10.96 | 11.03 | 11.05 | 11.16 | 11.16 | 11.17 | 11.2 | 11.24 | 11.25 | 11.27 | 11.35 | 11.97 | 11.44 | 11.2 | 10.9 | 10.92 | 11.10 |
| 90 | 11.45 | 11.26 | 11.08 | 10.91 | 10.90 | 10.95 | 11.01 | 11.02 | 11.12 | 11.13 | 11.15 | 11.17 | 11.19 | 11.22 | 11.28 | 11.27 | 11.49 | 11.43 | 11.2 | 10.9 | 10.91 | 11.10 |
| 100 | 11.41 | 11.26 | 11.08 | 10.91 | 10.90 | 10.94 | 10.99 | 11.00 | 11.08 | 11.12 | 11.14 | 11.16 | 11.17 | 11.2 | 11.38 | 11.25 | 11.39 | 11.41 | 11.2 | 10.9 | 10.9 | 11.10 |
| 110 | 11.39 | 11.26 | 11.08 | 10.91 | 10.90 | 10.92 | 10.97 | 10.99 | 11.07 | 11.1 | 11.13 | 11.13 | 11.14 | 11.18 | 11.27 | 11.24 | 11.32 | 11.37 | 11.2 | 10.9 | 10.89 | 11.00 |
| 120 | 11.36 | 11.26 | 11.08 | 10.91 | 10.89 | 10.92 | 10.95 | 10.97 | 11.04 | 11.1 | 11.12 | 11.13 | 11.14 | 11.17 | 11.26 | 11.21 | 11.29 | 11.32 | 11.2 | 10.9 | 10.87 | 11.00 |
| 130 | 11.35 | 11.26 | 11.07 | 10.90 | 10.89 | 10.91 | 10.94 | 10.96 | 11.04 | 11.09 | 11.1 | 11.13 | 11.13 | 11.15 | 11.24 | 11.2 | 11.25 | 11.27 | 11.2 | 10.9 | 10.85 | 10.90 |
| 140 | 11.34 | 11.26 | 11.07 | 10.90 | 10.89 | 10.90 | 10.94 | 10.96 | 11.04 | 11.08 | 11.1 | 11.13 | 11.13 | 11.14 | 11.23 | 11.19 | 11.23 | 11.26 | 11.2 | 10.8 | 10.83 | 10.90 |
| 150 | 11.33 | 11.26 | 11.07 | 10.90 | 10.89 | 10.90 | 10.94 | 10.96 | 11.03 | 11.08 | 11.1 | 11.12 | 11.13 | 11.14 | 11.19 | 11.9 | 11.23 | 11.26 | 11.2 | 10.8 | 10.81 | 10.90 |
| Dissolved Oxygen (g m ⁻³) | | | | | | | | | | | | | | | | | | | | | | |
| Depth (m) | 2/07/01 | 25/07/01 | 13/08/01 | 3/09/01 | 25/09/01 | 25/10/01 | 12/11/01 | 10/12/01 | 20/12/01 | 8/01/02 | 22/01/02 | 6/03/02 | 4/04/02 | 22/04/02 | 5/05/02 | 19/06/02 | 1/07/02 | 17/07/02 | 31/07/02 | 29/08/02 | 18/09/02 | 9/10/02 |
| 0 | 9.2 | 10.2 | 9.6 | 10.6 | 10.4 | 9.9 | 9.5 | 9.4 | 9.1 | 9.1 | 9.0 | 8.7 | 8.8 | 9.4 | 10.5 | 10.2 | 10.3 | 10.4 | 9.7 | 10.5 | 10.5 | 10.3 |
| 10 | 9.1 | 10.5 | 9.6 | 10.7 | 10.4 | 9.9 | 9.8 | 9.5 | 8.9 | 9.0 | 8.9 | 8.7 | 8.9 | 9.3 | 9.5 | 10.2 | 10.3 | 10.7 | 9.5 | 10.4 | 10.7 | 10.3 |
| 20 | 9.4 | 9.4 | 9.6 | 10.6 | 10.4 | 10.0 | 9.4 | 9.5 | 9.0 | 9.0 | 9.1 | 8.7 | 8.8 | 9.3 | 9.5 | 10.2 | 10.3 | 10.7 | 9.4 | 10.3 | 10.6 | 10.2 |
| 30 | 9.8 | 9.2 | 9.6 | 10.6 | 10.4 | 10.1 | 9.4 | 9.1 | 8.8 | 9.0 | 9.1 | 8.4 | 8.7 | 9.2 | 9.4 | 10.2 | 10.2 | 10.7 | 9.4 | 10.3 | 10.5 | 10.2 |
| 40 | 9.8 | 9.1 | 9.6 | 10.6 | 10.0 | 9.7 | 8.9 | 9.1 | 8.6 | 8.8 | 9.0 | 8.4 | 8.3 | 8.7 | 9.3 | 10.1 | 10.2 | 10.6 | 9.4 | 10.2 | 10.4 | 10.2 |
| 50 | 9.6 | 8.9 | 9.6 | 10.6 | 9.9 | 9.5 | 9.0 | 8.7 | 8.6 | 8.7 | 8.7 | 8.2 | 8.2 | 8.3 | 8.6 | 10.1 | 10.2 | 10.6 | 9.4 | 10.2 | 10.3 | 10.1 |
| 60 | 9.4 | 8.9 | 9.5 | 10.5 | 9.8 | 9.3 | 8.7 | 8.6 | 8.5 | 8.6 | 8.6 | 8.2 | 8.1 | 8.1 | 8.3 | 10.0 | 10.1 | 10.5 | 9.4 | 10.2 | 10.2 | 10.1 |
| 70 | 9.5 | 9.0 | 9.4 | 10.4 | 9.7 | 9.3 | 8.8 | 8.7 | 8.5 | 8.6 | 8.5 | 8.2 | 8.0 | 8.0 | 8.2 | 9.6 | 10.1 | 10.5 | 9.3 | 10.1 | 10.2 | 10.0 |
| 80 | 7.7 | 8.9 | 9.4 | 10.4 | 9.7 | 9.2 | 8.6 | 8.4 | 8.5 | 8.6 | 8.4 | 8.1 | 7.9 | 7.9 | 8.2 | 8.5 | 10.0 | 10.3 | 9.4 | 10.1 | 10.2 | 10.1 |
| 90 | 7.8 | 8.9 | 9.4 | 10.4 | 9.6 | 9.5 | 8.8 | 8.5 | 8.5 | 8.6 | 8.2 | 8.1 | 7.8 | 7.8 | 8.0 | 8.3 | 9.7 | 10.3 | 9.4 | 10.1 | 10.1 | 10.1 |
| 100 | 7.5 | 8.6 | 9.3 | 10.4 | 9.6 | 9.2 | 8.6 | 8.4 | 8.3 | 8.5 | 8.1 | 8.0 | 7.8 | 7.8 | 7.5 | 8.2 | 8.6 | 10.1 | 9.4 | 10.1 | 10.0 | 9.8 |
| 110 | 7.4 | 8.7 | 9.3 | 10.4 | 9.6 | 9.2 | 8.6 | 8.4 | 8.3 | 8.4 | 8.1 | 8.0 | 7.7 | 7.7 | 7.3 | 8.1 | 8.3 | 9.8 | 9.3 | 9.9 | 9.9 | 9.8 |
| 120 | 6.9 | 8.5 | 9.3 | 10.3 | 9.5 | 9.0 | 8.4 | 8.4 | 8.3 | 8.2 | 8.1 | 7.9 | 7.7 | 7.6 | 7.2 | 8.0 | 8.1 | 8.8 | 9.3 | 9.9 | 9.9 | 9.8 |
| 130 | 6.9 | 8.5 | 9.3 | 10.2 | 9.5 | 9.0 | 8.4 | 8.4 | 8.3 | 8.2 | 8.2 | 7.9 | 7.6 | 7.5 | 7.3 | 7.9 | 8.0 | 8.5 | 9.3 | 9.9 | 9.9 | 9.7 |
| 140 | 6.8 | 8.3 | 9.2 | 10.2 | 9.5 | 8.6 | 8.2 | 8.2 | 8.1 | 8.0 | 8.1 | 7.8 | 7.1 | 7.8 | 7.3 | 7.8 | 7.8 | 8.1 | 9.3 | 9.9 | 9.9 | 9.4 |
| 150 | 6.4 | 8.2 | 9.2 | 10.2 | 9.3 | 8.5 | 8.1 | 8.1 | 7.9 | 7.8 | 7.9 | 7.6 | 7.0 | 7.2 | 7.3 | 7.7 | 7.8 | 8.1 | 9.3 | 9.8 | 9.8 | 9.4 |
| Secchi depth | | | | | | | | | | | | | | | | | | | | | | |
| (m) | 2/07/01 | 25/07/01 | 13/08/01 | 3/09/01 | 25/09/01 | 25/10/01 | 12/11/01 | 10/12/01 | 20/12/01 | 8/01/02 | 22/01/02 | 6/03/02 | 4/04/02 | 22/04/02 | 5/05/02 | 19/06/02 | 1/07/02 | 17/07/02 | 31/07/02 | 29/08/02 | 18/09/02 | 9/10/02 |
| (m) | 12 | 14.5 | 13.5 | 17.5 | 11 | 14.5 | 15.5 | 16 | 13 | 13 | 15 | 14.5 | 19 | 22 | 16.4 | 17 | 16 | 15.5 | 12 | 9.5 | 12 | 15.5 |

**Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
Additional site B (Kuratau Basin) for the period starting 8 January 2002 on**

2001-2002

Temperature

| Date | 8/01/2002 | 22/01/2002 | 6/03/2002 | 4/04/2002 | 22/04/2002 | 5/05/2002 | 19/06/2002 | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 |
|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------------|------------|
| Depth (m) | | | | | | | | | | | | |
| 0 | 18.1 | 18.8 | 18.64 | 17.38 | 16.84 | 15.12 | 12.45 | 12.13 | 11.48 | 11.3 | 11 | 11.08 |
| 10 | 17.55 | 18.45 | 18.58 | 17.35 | 16.61 | 15.14 | 12.44 | 12.09 | 11.49 | 11.1 | 10.8 | 11.05 |
| 20 | 15.72 | 17.4 | 18.56 | 17.1 | 16.6 | 15.05 | 12.44 | 12.09 | 11.48 | 11.1 | 10.8 | 11.03 |
| 30 | 13.74 | 13.9 | 15.07 | 16.74 | 16.4 | 14.75 | 12.43 | 12.09 | 11.48 | 11.1 | 10.8 | 11.03 |
| 40 | 12.62 | 12.73 | 13.08 | 14.3 | 13.4 | 14.4 | 12.24 | 12.08 | 11.48 | 11.1 | 10.8 | 11.02 |
| 50 | 11.92 | 11.98 | 11.91 | 12.77 | 12.12 | 14.07 | 12.11 | 11.97 | 11.49 | 11.1 | 10.8 | 10.91 |
| 60 | 11.31 | 11.41 | 11.5 | 12.03 | 11.53 | 12.96 | 11.73 | 11.93 | 11.49 | 11.1 | 10.8 | 10.9 |
| 70 | 11.21 | 11.25 | 11.24 | 11.5 | 11.32 | 12.2 | 11.49 | 11.87 | 11.48 | 11.1 | 10.8 | 10.89 |
| 80 | 11.15 | 11.19 | 11.21 | 11.29 | 11.24 | 11.97 | 11.38 | 11.78 | 11.48 | 11.1 | 10.8 | 10.89 |
| 90 | 11.1 | 11.13 | 11.15 | 11.2 | 11.18 | 11.69 | 11.3 | 11.37 | 11.46 | 11.1 | 10.7 | 10.87 |
| 100 | 11.1 | 11.12 | 11.12 | 11.19 | 11.15 | 11.39 | 11.22 | 11.28 | 11.3 | 11 | 10.7 | 10.85 |
| 110 | | | | | | | | | | 10.7 | 10.7 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | 8/01/2002 | 22/01/2002 | 6/03/2002 | 4/04/2002 | 22/04/2002 | 5/05/2002 | 19/06/2002 | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 |
|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------------|------------|
| 0 | 8.7 | 8.8 | 9.3 | 9.3 | 9.3 | 10.9 | 10.4 | 10.3 | 10.4 | 9.9 | 10.4 | 10.4 |
| 10 | 8.6 | 9 | 9.1 | 9.2 | 9.3 | 9.5 | 10.3 | 10.3 | 10.8 | 9.7 | 10.3 | 10.5 |
| 20 | 8.8 | 9 | 9.1 | 9.2 | 9.2 | 9.4 | 10.2 | 10.2 | 10.6 | 9.6 | 10.3 | 10.5 |
| 30 | 8.8 | 8.9 | 8.6 | 9.1 | 9.2 | 9.3 | 10.2 | 10.2 | 10.6 | 9.6 | 10.2 | 10.5 |
| 40 | 8.7 | 8.7 | 8.7 | 8.9 | 8.5 | 9.1 | 10.1 | 10.1 | 10.5 | 9.6 | 10.2 | 10.4 |
| 50 | 8.7 | 8.4 | 8.5 | 8.6 | 8.2 | 9 | 10 | 10.1 | 10.5 | 9.6 | 10.1 | 10.3 |
| 60 | 8.7 | 8.3 | 8.4 | 8.4 | 8 | 8.6 | 9 | 9.8 | 10.4 | 9.6 | 10.1 | 10.2 |
| 70 | 8.7 | 8.3 | 8.3 | 8.3 | 7.9 | 8.1 | 8.7 | 9.7 | 10.4 | 9.5 | 10 | 10.1 |
| 80 | 8.7 | 8.2 | 8.1 | 8.1 | 7.8 | 7.9 | 8.4 | 9.5 | 10.3 | 9.5 | 10 | 10.1 |
| 90 | 8.2 | 8.1 | 7.9 | 7.7 | 7.7 | 7.8 | 8.2 | 9.1 | 10.3 | 9.5 | 10 | 10 |
| 100 | 8 | 7.6 | 7.5 | 7.7 | 7.5 | 7.7 | 7.8 | 8.7 | 9.8 | 9.6 | 9.9 | 9.9 |
| 110 | 8 | | | | 6.2 | | | | | 9.2 | 9.8 | |

Secchi depth

| Depth (m) | 8/01/2002 | 22/01/2002 | 6/03/2002 | 4/04/2002 | 22/04/2002 | 5/05/2002 | 19/06/2002 | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 |
|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------------|------------|
| 0 | 13.5 | 12 | 14.5 | 19.5 | 19 | 13.2 | 15 | 16 | 12.5 | 10.5 | 8 | 11 |

**Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
Additional site C (Western Bays) for the period starting 8 January 2002 on**

2001-2002

Temperature

| Date | 8/01/2002 | 22/01/2002 | 6/03/2002 | 4/04/2002 | 22/04/2002 | 5/05/2002 | 19/06/2002 | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 | 9/10/2002 |
|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------------|------------|-----------|
| Depth (m) | | | | | | | | | | | | | |
| 0 | 18.72 | 18.82 | 18.68 | 17.47 | 16.88 | 15.6 | 12.58 | 12.22 | 11.52 | 11.6 | 11.4 | 11.24 | 12.10 |
| 10 | 17.41 | 18.46 | 18.47 | 17.24 | 11.63 | 15.64 | 12.56 | 12.15 | 11.5 | 11.2 | 10.9 | 11.23 | 11.30 |
| 20 | 16.95 | 18.21 | 18.32 | 17.16 | 16.58 | 15.64 | 12.56 | 12.14 | 11.49 | 11.2 | 10.9 | 11.16 | 11.30 |
| 30 | 14 | 13.77 | 15.9 | 17.12 | 16.5 | 15.61 | 12.56 | 12.14 | 11.49 | 11.2 | 10.8 | 11.06 | 11.20 |
| 40 | 13.14 | 12.01 | 12.98 | 13.17 | 13.02 | 12.26 | 12.56 | 12.13 | 11.49 | 11.2 | 10.8 | 11.02 | 11.20 |
| 50 | 11.97 | 11.5 | 12.13 | 12.11 | 11.87 | 11.57 | 12.56 | 12.13 | 11.49 | 11.2 | 10.8 | 11.02 | 11.20 |
| 60 | 11.44 | 11.26 | 11.59 | 11.57 | 11.47 | 11.37 | 11.9 | 11.92 | 11.49 | 11.2 | 10.8 | 11 | 11.10 |
| 70 | 11.26 | 11.17 | 11.36 | 11.38 | 11.32 | 11.29 | 11.36 | 11.55 | 11.49 | 11.2 | 10.8 | 10.99 | 11.10 |
| 80 | 11.18 | 11.16 | 11.25 | 11.32 | 11.26 | 11.24 | 11.28 | 11.5 | 11.49 | 11.2 | 10.8 | 10.95 | 11.10 |
| 90 | 11.15 | 11.14 | 11.18 | 11.21 | 11.23 | 11.21 | 11.23 | 11.47 | 11.49 | 11.2 | 10.8 | 10.94 | 11.00 |
| 100 | 11.12 | 11.11 | 11.18 | 11.19 | 11.19 | 11.19 | 11.22 | 11.45 | 11.49 | 11.2 | 10.8 | 10.92 | 11.00 |
| 110 | 11.11 | 11.1 | | | 11.16 | 11.15 | | | | 11.2 | 10.8 | | 10.90 |
| 120 | | | | | | | | | | 11.2 | 10.8 | | 10.90 |

Dissolved Oxygen (g m⁻³)

| Depth (m) | 8/01/2002 | 22/01/2002 | 6/03/2002 | 4/04/2002 | 22/04/2002 | 5/05/2002 | 19/06/2002 | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 | 9/10/2002 |
|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------------|------------|-----------|
| 0 | 8.6 | 8.9 | 9.3 | 9.4 | 9.3 | 10.6 | 10.3 | 10.4 | 10.5 | 9.7 | 10.3 | 10.5 | 10.4 |
| 10 | 8.4 | 8.9 | 9 | 9.1 | 9.2 | 9.5 | 10.2 | 10.4 | 10.8 | 9.5 | 10.2 | 10.7 | 10.4 |
| 20 | 8.9 | 8.9 | 9 | 9.1 | 9.2 | 9.5 | 10.2 | 10.4 | 10.8 | 9.5 | 10.2 | 10.7 | 10.4 |
| 30 | 8.6 | 8.9 | 8.8 | 9.1 | 9.1 | 9.4 | 10.1 | 10.3 | 10.7 | 9.4 | 10.1 | 10.6 | 10.4 |
| 40 | 8.6 | 8.5 | 8.6 | 8.6 | 8.5 | 8.9 | 10.1 | 10.3 | 10.5 | 9.4 | 10 | 10.5 | 10.3 |
| 50 | 8.5 | 8.2 | 8.5 | 8.5 | 8.1 | 8.6 | 10 | 10.2 | 10.5 | 9.4 | 10 | 10.4 | 10 |
| 60 | 8.6 | 8.1 | 8.5 | 8.2 | 7.9 | 8.3 | 9.7 | 10 | 10.5 | 9.4 | 10 | 10.4 | 10 |
| 70 | 8.6 | 8.1 | 8.2 | 8.2 | 7.8 | 8.2 | 9.1 | 9.6 | 10.5 | 9.4 | 9.9 | 10.3 | 9.9 |
| 80 | 8.7 | 8.1 | 8.1 | 8 | 7.7 | 8 | 8.4 | 8.8 | 10.5 | 9.3 | 9.9 | 10.2 | 9.9 |
| 90 | 8.6 | 8.1 | 8.1 | 7.9 | 7.7 | 7.9 | 8 | 8.7 | 10.4 | 9.3 | 9.9 | 10.1 | 9.8 |
| 100 | 8.7 | 8.1 | 8.1 | 7.9 | 7.6 | 7.8 | 7.7 | 8.6 | 10.2 | 9.3 | 10 | 10 | 9.6 |
| 110 | 8.5 | 7.9 | | | 7.6 | 7.7 | | | | 9.3 | 10 | | 9.7 |
| 120 | 8.5 | 7.7 | | | | | | | | 9.1 | 9.9 | | 9.6 |

Secchi depth

| Depth (m) | 8/01/2002 | 22/01/2002 | 6/03/2002 | 4/04/2002 | 22/04/2002 | 5/05/2002 | 19/06/2002 | 1/07/2002 | 17/07/2002 | 31/07/2002 | 29/08/2002 | 18/09/2002 | 9/10/2002 |
|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------------|------------|-----------|
| Depth (m) | 14.5 | 15.5 | 16 | 19 | 18.5 | 15.6 | 16 | 14 | 12.5 | 12 | 8 | 12 | 19 |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
For the period starting 11 July 2000

2000-2001

| Temperature | | 11-7-00 | 04-8-00 | 21-8-00 | 11-9-00 | 28-9-00 | 25-10-00 | 13-11-00 | 06-12-00 | 03-1-01 | 15-1-01 | 20-2-01 | 01-3-01 | 19-3-01 | 09-4-01 | 11-4-01 | 10-5-01 | 29-5-01 | 02-7-01 | 25-7-01 | 13-8-01 | |
|---------------------------------------|-------|---------|---------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| Date | | | | | | | | | | | | | | | | | | | | | | |
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 11.87 | 11.32 | 11.19 | 11.80 | 12.47 | 14.04 | 13.27 | 15.73 | 18.16 | 18.98 | 20.47 | 20.87 | 19.01 | 16.99 | 16.99 | 15.78 | 13.62 | 12.11 | 11.26 | 11.15 | | |
| 10 | 11.87 | 11.32 | 11.15 | 11.46 | 11.52 | 13.03 | 13.09 | 15.06 | 17.37 | 18.51 | 19.37 | 20.71 | 19.05 | 16.87 | 16.99 | 15.78 | 13.74 | 12.04 | 11.26 | 11.12 | | |
| 20 | 11.86 | 11.32 | 11.14 | 11.33 | 11.36 | 11.99 | 12.98 | 14.15 | 15.46 | 14.79 | 18.08 | 18.98 | 19.06 | 16.78 | 16.97 | 15.78 | 13.78 | 12.00 | 11.26 | 11.12 | | |
| 30 | 11.86 | 11.33 | 11.14 | 11.30 | 11.33 | 11.83 | 12.80 | 13.31 | 13.61 | 13.63 | 16.06 | 15.95 | 16.46 | 15.82 | 16.84 | 15.73 | 13.79 | 11.99 | 11.26 | 11.11 | | |
| 40 | 11.86 | 11.33 | 11.14 | 11.27 | 11.31 | 11.60 | 12.36 | 12.49 | 12.73 | 12.81 | 13.39 | 13.36 | 13.05 | 13.13 | 13.87 | 13.19 | 13.80 | 11.98 | 11.26 | 11.11 | | |
| 50 | 11.86 | 11.33 | 11.14 | 11.22 | 11.30 | 11.49 | 12.10 | 12.16 | 12.21 | 12.27 | 12.67 | 12.58 | 12.42 | 12.35 | 12.68 | 12.42 | 13.80 | 11.98 | 11.26 | 11.11 | | |
| 60 | 11.64 | 11.33 | 11.15 | 11.18 | 11.27 | 11.42 | 11.69 | 11.78 | 11.76 | 11.87 | 12.01 | 12.01 | 11.84 | 11.81 | 11.89 | 11.90 | 11.92 | 11.95 | 11.26 | 11.10 | | |
| 70 | 11.42 | 11.33 | 11.15 | 11.15 | 11.24 | 11.39 | 11.41 | 11.53 | 11.64 | 11.67 | 11.77 | 11.79 | 11.67 | 11.67 | 11.69 | 11.69 | 11.61 | 11.61 | 11.76 | 11.26 | 11.09 | |
| 80 | 11.31 | 11.33 | 11.15 | 11.14 | 11.20 | 11.38 | 11.29 | 11.40 | 11.47 | 11.55 | 11.56 | 11.63 | 11.55 | 11.54 | 11.54 | 11.52 | 11.54 | 11.51 | 11.26 | 11.08 | | |
| 90 | 11.22 | 11.33 | 11.15 | 11.13 | 11.17 | 11.33 | 11.26 | 11.36 | 11.43 | 11.46 | 11.50 | 11.55 | 11.49 | 11.46 | 11.48 | 11.47 | 11.46 | 11.45 | 11.26 | 11.08 | | |
| 100 | 11.21 | 11.32 | 11.15 | 11.13 | 11.14 | 11.33 | 11.21 | 11.32 | 11.38 | 11.39 | 11.43 | 11.50 | 11.43 | 11.41 | 11.43 | 11.42 | 11.42 | 11.41 | 11.26 | 11.08 | | |
| 110 | 11.19 | 11.32 | 11.15 | 11.13 | 11.06 | 11.29 | 11.19 | 11.28 | 11.36 | 11.36 | 11.40 | 11.46 | 11.41 | 11.37 | 11.39 | 11.40 | 11.38 | 11.39 | 11.26 | 11.08 | | |
| 120 | 11.19 | 11.31 | 11.15 | 11.13 | 11.04 | 11.27 | 11.19 | 11.27 | 11.33 | 11.34 | 11.39 | 11.44 | 11.39 | 11.33 | 11.35 | 11.38 | 11.35 | 11.36 | 11.26 | 11.08 | | |
| 130 | 11.18 | 11.26 | 11.15 | 11.12 | 11.02 | 11.23 | 11.17 | 11.26 | 11.30 | 11.32 | 11.37 | 11.43 | 11.37 | 11.32 | 11.34 | 11.36 | 11.33 | 11.35 | 11.26 | 11.07 | | |
| 140 | 11.16 | 11.18 | 11.14 | 11.12 | 11.01 | 11.18 | 11.15 | 11.25 | 11.30 | 11.31 | 11.35 | 11.40 | 11.35 | 11.31 | 11.32 | 11.34 | 11.31 | 11.34 | 11.26 | 11.07 | | |
| 150 | 11.15 | 11.18 | 11.14 | 11.12 | 11.01 | 11.15 | 11.15 | 11.25 | 11.32 | 11.31 | 11.33 | 11.41 | 11.34 | 11.31 | 11.32 | 11.34 | 11.31 | 11.33 | 11.26 | 11.07 | | |
| Dissolved Oxygen (g m ⁻³) | | | | | | | | | | | | | | | | | | | | | | |
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 9.0 | 9.0 | 9.2 | 9.3 | 9.1 | 8.9 | 8.2 | 8.7 | 8.2 | 8.0 | 8.0 | 8.2 | 8.4 | 8.3 | 8.4 | 8.2 | 8.7 | 9.2 | 10.2 | 9.6 | | |
| 10 | 9.0 | 9.0 | 9.4 | 9.5 | 8.7 | 8.8 | 8.4 | 8.3 | 8.3 | 8.6 | 8.0 | 8.5 | 8.3 | 8.3 | 8.2 | 8.0 | 8.5 | 9.1 | 10.5 | 9.6 | | |
| 20 | 9.0 | 9.1 | 9.4 | 9.5 | 8.7 | 9.1 | 8.4 | 8.5 | 8.4 | 8.1 | 8.2 | 8.6 | 8.6 | 8.4 | 7.9 | 7.9 | 8.4 | 9.4 | 9.4 | 9.6 | | |
| 30 | 9.0 | 9.1 | 9.6 | 9.5 | 8.7 | 8.9 | 8.4 | 8.5 | 8.5 | 8.2 | 8.0 | 8.3 | 8.0 | 8.0 | 8.0 | 7.8 | 8.4 | 9.8 | 9.2 | 9.6 | | |
| 40 | 9.0 | 9.1 | 9.6 | 9.5 | 9.1 | 8.7 | 8.2 | 8.2 | 8.4 | 7.9 | 8.1 | 8.1 | 7.6 | 7.8 | 7.6 | 7.7 | 8.3 | 9.8 | 9.1 | 9.6 | | |
| 50 | 9.0 | 9.1 | 9.6 | 9.5 | 9.1 | 8.5 | 8.2 | 8.2 | 8.2 | 8.1 | 7.9 | 7.8 | 7.6 | 7.5 | 7.4 | 7.5 | 8.3 | 9.6 | 8.9 | 9.6 | | |
| 60 | 9.0 | 9.1 | 9.7 | 9.5 | 8.7 | 8.4 | 8.0 | 7.9 | 8.0 | 7.5 | 7.7 | 7.4 | 6.8 | 7.2 | 7.2 | 7.5 | 7.2 | 9.4 | 8.9 | 9.5 | | |
| 70 | 8.9 | 9.1 | 9.7 | 9.5 | 8.7 | 8.3 | 7.9 | 7.8 | 7.9 | 7.4 | 7.6 | 7.2 | 6.8 | 7.1 | 7.4 | 7.3 | 7.0 | 9.5 | 9.0 | 9.4 | | |
| 80 | 7.8 | 9.0 | 9.7 | 9.5 | 8.7 | 8.2 | 7.6 | 7.6 | 7.8 | 7.5 | 7.4 | 7.0 | 6.5 | 6.9 | 7.3 | 7.3 | 7.0 | 7.7 | 8.9 | 9.4 | | |
| 90 | 7.4 | 8.9 | 9.7 | 9.5 | 8.7 | 8.2 | 7.6 | 7.6 | 7.7 | 7.5 | 7.4 | 6.9 | 6.5 | 6.9 | 7.1 | 7.1 | 7.0 | 7.8 | 8.9 | 9.4 | | |
| 100 | 7.2 | 8.7 | 9.7 | 9.5 | 8.7 | 8.0 | 7.5 | 7.6 | 7.6 | 7.3 | 7.2 | 6.8 | 6.6 | 6.8 | 7.0 | 7.0 | 6.9 | 7.5 | 8.6 | 9.3 | | |
| 110 | 7.1 | 8.3 | 9.7 | 9.5 | 8.7 | 8.0 | 7.5 | 7.5 | 7.6 | 7.2 | 7.1 | 6.7 | 6.5 | 6.8 | 7.0 | 7.0 | 6.7 | 7.4 | 8.7 | 9.3 | | |
| 120 | 6.9 | 7.9 | 9.7 | 9.5 | 8.2 | 8.1 | 7.4 | 7.4 | 7.5 | 7.1 | 7.0 | 6.5 | 6.5 | 6.7 | 6.8 | 6.9 | 6.6 | 6.9 | 8.5 | 9.3 | | |
| 130 | 6.9 | 7.3 | 9.7 | 9.5 | 8.5 | 8.1 | 7.4 | 7.3 | 7.4 | 7.0 | 7.0 | 6.5 | 6.5 | 6.6 | 6.7 | 6.6 | 6.5 | 6.9 | 8.5 | 9.3 | | |
| 140 | 6.9 | 7.1 | 9.7 | 9.5 | 8.6 | 8.0 | 7.3 | 7.2 | 7.2 | 6.9 | 6.8 | 6.4 | 6.5 | 6.4 | 6.4 | 6.7 | 6.3 | 6.8 | 8.3 | 9.2 | | |
| 150 | 6.8 | 7.4 | 9.7 | 9.3 | 8.5 | 7.9 | 7.3 | 7.1 | 7.1 | 6.6 | 6.5 | 6.3 | 6.4 | 6.3 | 6.3 | 6.6 | 6.1 | 6.4 | 8.2 | 9.2 | | |
| Secchi depth | | | | | | | | | | | | | | | | | | | | | | |
| Depth (m) | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 15 | 12 | 13 | 11 | 12 | 17 | 17 | 18 | 17 | 14.5 | 17 | 13.5 | 13.5 | 17 | 14.5 | 12 | 14.5 | 13.5 | | | |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
For the period starting 13 July 1999

1999-2000

Temperature

| Date | 13-7-99 | 6-8-99 | 3-9-99 | 29-9-99 | 18-10-99 | 19-12-99 | 18-1-00 | 12-4-00 | 4-5-00 | 25-5-00 | 20-6-00 | 11-7-00 | 4-8-00 | 21-8-00 | 11-9-00 | 28-9-00 | 25-10-00 | 13-11-00 | 6-12-00 | |
|-----------|---------|--------|--------|---------|----------|----------|---------|---------|--------|---------|---------|---------|--------|---------|---------|---------|----------|----------|---------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | | |
| 0 | 12.0 | 11.8 | 11.8 | 11.5 | 12.8 | 16.56 | 18.63 | 17.41 | 15.82 | 14.22 | 12.28 | 11.87 | 11.32 | 11.19 | 11.80 | 12.47 | 14.04 | 13.27 | 15.73 | |
| 10 | 12.0 | 11.4 | 11.3 | 11.5 | 12.7 | 16.40 | 18.35 | 17.25 | 15.77 | 14.28 | 12.28 | 11.87 | 11.32 | 11.15 | 11.46 | 11.52 | 13.03 | 13.09 | 15.06 | |
| 20 | 12.0 | 11.4 | 11.2 | 11.5 | 12.4 | 15.96 | 17.22 | 17.21 | 15.76 | 14.31 | 12.28 | 11.86 | 11.32 | 11.14 | 11.33 | 11.36 | 11.99 | 12.98 | 14.15 | |
| 30 | 12.0 | 11.4 | 11.1 | 11.4 | 11.6 | 15.23 | 14.94 | 16.65 | 15.75 | 14.28 | 12.27 | 11.86 | 11.33 | 11.14 | 11.30 | 11.33 | 11.83 | 12.86 | 13.31 | |
| 40 | 12.0 | 11.3 | 11.1 | 11.2 | 11.4 | 12.16 | 13.29 | 12.55 | 13.64 | 14.22 | 12.26 | 11.86 | 11.33 | 11.14 | 11.27 | 11.31 | 11.60 | 12.36 | 12.49 | |
| 50 | 12.0 | 11.3 | 11.1 | 11.1 | 11.3 | 11.64 | 11.91 | 11.67 | 12.14 | 12.53 | 12.26 | 11.86 | 11.33 | 11.14 | 11.22 | 11.30 | 11.49 | 12.10 | 12.16 | |
| 60 | 12.0 | 11.3 | 11.0 | 11.1 | 11.1 | 11.35 | 11.45 | 11.39 | 11.56 | 11.56 | 12.21 | 11.85 | 11.33 | 11.15 | 11.18 | 11.27 | 11.42 | 11.69 | 11.78 | |
| 70 | 12.0 | 11.3 | 11.0 | 11.0 | 11.1 | 11.25 | 11.31 | 11.29 | 11.36 | 11.34 | 11.58 | 11.64 | 11.33 | 11.15 | 11.15 | 11.24 | 11.39 | 11.41 | 11.53 | |
| 80 | 11.4 | 11.3 | 11.0 | 11.0 | 11.0 | 11.18 | 11.21 | 11.23 | 11.24 | 11.23 | 11.32 | 11.42 | 11.33 | 11.15 | 11.14 | 11.20 | 11.38 | 11.29 | 11.40 | |
| 90 | 11.3 | 11.3 | 11.0 | 11.0 | 11.0 | 11.16 | 11.17 | 11.20 | 11.21 | 11.20 | 11.24 | 11.31 | 11.33 | 11.15 | 11.13 | 11.17 | 11.33 | 11.26 | 11.36 | |
| 100 | 11.2 | 11.2 | 11.0 | 11.0 | 11.0 | 11.14 | 11.14 | 11.17 | 11.17 | 11.15 | 11.17 | 11.22 | 11.32 | 11.15 | 11.13 | 11.14 | 11.33 | 11.21 | 11.32 | |
| 110 | 11.2 | 11.2 | 11.0 | 11.0 | 11.0 | 11.12 | 11.12 | 11.15 | 11.14 | 11.12 | 11.16 | 11.21 | 11.32 | 11.15 | 11.13 | 11.06 | 11.29 | 11.19 | 11.28 | |
| 120 | 11.2 | 11.1 | 11.0 | 11.0 | 11.0 | 11.10 | 11.09 | 11.13 | 11.12 | 11.10 | 11.14 | 11.19 | 11.31 | 11.15 | 11.13 | 11.04 | 11.27 | 11.19 | 11.27 | |
| 130 | 11.1 | 11.1 | 11.0 | 11.0 | 11.0 | 11.08 | 11.08 | 11.11 | 11.10 | 11.09 | 11.12 | 11.18 | 11.26 | 11.15 | 11.12 | 11.02 | 11.23 | 11.17 | 11.26 | |
| 140 | 11.1 | 11.1 | 11.0 | 11.0 | 11.0 | 11.07 | 11.07 | 11.09 | 11.09 | 11.09 | 11.10 | 11.16 | 11.18 | 11.14 | 11.12 | 11.01 | 11.18 | 11.15 | 11.25 | |
| 150 | 11.1 | 11.0 | 11.0 | 10.9 | 11.0 | 11.10 | 11.06 | 11.09 | 11.09 | 11.07 | 11.10 | 11.15 | 11.18 | 11.14 | 11.12 | 11.01 | 11.15 | 11.15 | 11.25 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | 13-7-99 | 6-8-99 | 3-9-99 | 29-9-99 | 18-10-99 | 19-12-99 | 18-1-00 | 12-4-00 | 4-5-00 | 25-5-00 | 20-6-00 | 11-7-00 | 4-8-00 | 21-8-00 | 11-9-00 | 28-9-00 | 25-10-00 | 13-11-00 | 6-12-00 |
|-----------|---------|--------|--------|---------|----------|----------|---------|---------|--------|---------|---------|---------|--------|---------|---------|---------|----------|----------|---------|
| 0 | 10.5 | 10.1 | 9.2 | 9.5 | 8.9 | 8.3 | 7.9 | 9.2 | 8.7 | 8.5 | 8.1 | 9.0 | 9.0 | 9.2 | 9.3 | 9.1 | 8.9 | 8.2 | 8.7 |
| 10 | 10.7 | 10.2 | 9.8 | 9.8 | 8.9 | 8.6 | 7.9 | 9.2 | 8.6 | 8.3 | 8.3 | 9.0 | 9.0 | 9.4 | 9.5 | 8.7 | 8.8 | 8.4 | 8.3 |
| 20 | 10.7 | 9.9 | 9.8 | 9.9 | 8.9 | 8.7 | 8.1 | 9.2 | 8.8 | 8.5 | 8.7 | 9.0 | 9.1 | 9.4 | 9.5 | 8.7 | 9.1 | 8.4 | 8.5 |
| 30 | 10.6 | 10.0 | 9.8 | 9.7 | 8.9 | 8.7 | 8.3 | 9.0 | 8.8 | 8.5 | 8.6 | 9.0 | 9.1 | 9.6 | 9.5 | 8.7 | 8.9 | 8.4 | 8.5 |
| 40 | 10.6 | 9.7 | 9.5 | 9.6 | 8.8 | 8.7 | 8.1 | 8.3 | 8.2 | 8.6 | 8.6 | 9.0 | 9.1 | 9.6 | 9.5 | 9.1 | 8.7 | 8.2 | 8.2 |
| 50 | 10.4 | 9.9 | 9.5 | 9.3 | 8.6 | 8.7 | 8.0 | 8.0 | 7.9 | 8.2 | 8.6 | 9.0 | 9.1 | 9.6 | 9.5 | 9.1 | 8.5 | 8.2 | 8.2 |
| 60 | 10.4 | 9.8 | 9.4 | 9.2 | 8.6 | 8.6 | 8.0 | 8.0 | 7.9 | 7.7 | 8.7 | 9.0 | 9.1 | 9.7 | 9.5 | 8.7 | 8.4 | 8.0 | 7.9 |
| 70 | 10.3 | 9.7 | 9.3 | 9.0 | 8.6 | 8.7 | 8.0 | 8.0 | 7.8 | 7.7 | 8.4 | 8.9 | 9.1 | 9.7 | 9.5 | 8.7 | 8.3 | 7.9 | 7.8 |
| 80 | 10.3 | 9.0 | 9.2 | 9.0 | 8.5 | 8.5 | 7.9 | 7.9 | 7.7 | 7.6 | 7.6 | 7.8 | 9.0 | 9.7 | 9.5 | 8.7 | 8.2 | 7.6 | 7.6 |
| 90 | 8.1 | 8.6 | 9.2 | 9.0 | 8.6 | 8.5 | 7.7 | 7.9 | 7.8 | 7.4 | 7.4 | 7.4 | 8.9 | 9.7 | 9.5 | 8.7 | 8.2 | 7.6 | 7.6 |
| 100 | 7.9 | 7.3 | 9.2 | 8.9 | 8.6 | 8.5 | 8.3 | 7.7 | 7.6 | 7.4 | 7.3 | 7.2 | 8.7 | 9.7 | 9.5 | 8.7 | 8.0 | 7.5 | 7.6 |
| 110 | 7.5 | 7.1 | 9.1 | 8.9 | 8.6 | 8.3 | 8.1 | 7.7 | 7.6 | 7.6 | 7.4 | 7.1 | 8.3 | 9.7 | 9.5 | 8.7 | 8.0 | 7.5 | 7.5 |
| 120 | 7.4 | 6.8 | 9.1 | 8.9 | 8.3 | 8.4 | 8.1 | 7.7 | 7.4 | 7.5 | 7.3 | 6.9 | 7.9 | 9.7 | 9.5 | 8.2 | 8.1 | 7.4 | 7.4 |
| 130 | 7.3 | 6.7 | 9.0 | 8.8 | 7.9 | 8.2 | 8.0 | 7.5 | 7.4 | 7.5 | 7.3 | 6.9 | 7.3 | 9.7 | 9.5 | 8.5 | 8.1 | 7.4 | 7.3 |
| 140 | 7.1 | 6.7 | 8.9 | 8.7 | 7.5 | 8.1 | 8.0 | 7.5 | 7.2 | 7.4 | 7.2 | 6.9 | 7.1 | 9.7 | 9.5 | 8.6 | 8.0 | 7.3 | 7.2 |
| 150 | 6.9 | 6.4 | 8.9 | 8.6 | 7.5 | 8.0 | 7.5 | 7.2 | 6.8 | 7.0 | 6.9 | 6.8 | 7.4 | 9.7 | 9.3 | 8.5 | 7.9 | 7.3 | 7.1 |

Secchi depth

| Depth (m) | 13-7-99 | 6-8-99 | 3-9-99 | 29-9-99 | 18-10-99 | 19-12-99 | 18-1-00 | 12-4-00 | 4-5-00 | 25-5-00 | 20-6-00 | 11-7-00 | 4-8-00 | 21-8-00 | 11-9-00 | 28-9-00 | 25-10-00 | 13-11-00 | 6-12-00 |
|-----------|---------|--------|--------|---------|----------|----------|---------|---------|--------|---------|---------|---------|--------|---------|---------|---------|----------|----------|---------|
| 0 | 16 | 14.5 | 10 | 10 | 14.9 | 18 | 19.1 | 15 | 14 | 14 | 14 | 11 | 12 | 15 | 12 | 13 | 11 | 12 | 17 |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.

1998-1999

For the period starting 28 July 1998

Temperature

| Date | 28-7-98 | 22-8-98 | 29-9-98 | 1-11-98 | 26-11-98 | 22-12-98 | 12-2-99 | 3-3-99 | 14-4-99 | 30-4-99 | 19-5-99 | 1-6-99 | 17-6-99 | 13-7-99 | 6-8-99 | 3-9-99 | 29-9-99 | 18-10-99 | |
|-----------|---------|---------|---------|---------|----------|----------|---------|--------|---------|---------|---------|--------|---------|---------|--------|--------|---------|----------|--|
| Depth (m) | | | | | | | | | | | | | | | | | | | |
| 0 | 11.4 | 11.5 | 12.9 | 13.6 | 18.4 | 18.5 | 20.1 | 20.9 | 18.3 | 16.4 | 14.4 | 14.2 | 13.0 | 12.0 | 11.8 | 11.8 | 11.5 | 12.8 | |
| 10 | 11.6 | 11.3 | 11.9 | 13.2 | 15.6 | 16.7 | 20.1 | 19.8 | 18.3 | 16.4 | 14.4 | 14.1 | 13.4 | 12.0 | 11.4 | 11.3 | 11.5 | 12.7 | |
| 20 | 11.6 | 11.3 | 11.5 | 12.7 | 15.4 | 15.7 | 20.1 | 19.8 | 18.3 | 16.4 | 14.5 | 14.1 | 13.4 | 12.0 | 11.4 | 11.2 | 11.5 | 12.4 | |
| 30 | 11.6 | 11.3 | 11.3 | 12.4 | 12.7 | 14.5 | 14.9 | 15.1 | 18.1 | 16.0 | 14.5 | 14.1 | 13.4 | 12.0 | 11.4 | 11.1 | 11.4 | 11.6 | |
| 40 | 11.6 | 11.3 | 11.2 | 12.4 | 12.1 | 12.7 | 13.2 | 13.1 | 12.9 | 13.1 | 14.5 | 13.9 | 13.4 | 12.0 | 11.3 | 11.1 | 11.2 | 11.4 | |
| 50 | 11.6 | 11.3 | 11.1 | 12.2 | 11.8 | 11.8 | 12.1 | 12.1 | 11.9 | 12.2 | 13.1 | 13.0 | 13.4 | 12.0 | 11.3 | 11.1 | 11.1 | 11.3 | |
| 60 | 11.6 | 11.3 | 11.1 | 11.7 | 11.5 | 11.5 | 11.6 | 11.8 | 11.6 | 12.0 | 11.8 | 12.0 | 12.1 | 12.0 | 11.3 | 11.0 | 11.1 | 11.1 | |
| 70 | 11.6 | 11.1 | 11.0 | 11.2 | 11.3 | 11.3 | 11.4 | 11.5 | 11.4 | 11.8 | 11.3 | 11.4 | 11.5 | 12.0 | 11.3 | 11.0 | 11.0 | 11.1 | |
| 80 | 10.6 | 10.9 | 11.0 | 11.1 | 11.2 | 11.2 | 11.2 | 11.4 | 11.3 | 11.2 | 11.2 | 11.3 | 11.3 | 11.4 | 11.3 | 11.0 | 11.0 | 11.0 | |
| 90 | 10.6 | 10.9 | 10.9 | 11.1 | 11.1 | 11.1 | 11.1 | 11.3 | 11.2 | 11.1 | 11.1 | 11.2 | 11.2 | 11.3 | 11.3 | 11.0 | 11.0 | 11.0 | |
| 100 | 10.5 | 10.8 | 10.9 | 11.0 | 11.1 | 11.1 | 11.1 | 11.3 | 11.2 | 11.1 | 11.1 | 11.1 | 11.2 | 11.2 | 11.2 | 11.0 | 11.0 | 11.0 | |
| 110 | 10.5 | 10.5 | 10.9 | 11.0 | 11.0 | 11.1 | 11.1 | 11.2 | 11.2 | 11.1 | 11.1 | 11.1 | 11.1 | 11.2 | 11.2 | 11.0 | 11.0 | 11.0 | |
| 120 | 10.5 | 10.5 | 10.9 | 11.0 | 11.0 | 11.0 | 11.0 | 11.2 | 11.2 | 11.1 | 11.1 | 11.1 | 11.1 | 11.2 | 11.1 | 11.0 | 11.0 | 11.0 | |
| 130 | 10.5 | 10.5 | 10.7 | 11.0 | 11.0 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.0 | 11.1 | 11.1 | 11.1 | 11.1 | 11.0 | 11.0 | 11.0 | |
| 140 | 10.5 | 10.5 | 10.7 | 10.9 | 11.0 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.0 | 11.1 | 11.0 | 11.1 | 11.1 | 11.0 | 11.0 | 11.0 | |
| 150 | 10.5 | 10.5 | 10.7 | 10.9 | 11.0 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.0 | 11.1 | 11.0 | 11.1 | 11.0 | 11.0 | 10.9 | 11.0 | |

Dissolved Oxygen (g m⁻³)

| Depth (m) | 28-7-98 | 22-8-98 | 29-9-98 | 1-11-98 | 26-11-98 | 22-12-98 | 12-2-99 | 3-3-99 | 14-4-99 | 30-4-99 | 19-5-99 | 1-6-99 | 17-6-99 | 13-7-99 | 6-8-99 | 3-9-99 | 29-9-99 | 18-10-99 |
|-----------|---------|---------|---------|---------|----------|----------|---------|--------|---------|---------|---------|--------|---------|---------|--------|--------|---------|----------|
| 0 | 10.6 | 10.6 | 10.6 | 10.4 | 9.6 | 9.7 | 9.0 | 8.6 | 9.1 | 9.5 | 9.9 | 10.0 | 10.4 | 10.5 | 10.1 | 9.2 | 9.5 | 8.9 |
| 10 | 10.5 | 10.5 | 10.7 | 10.7 | 9.9 | 10.1 | 9.0 | 8.7 | 9.2 | 9.5 | 10.5 | 10.4 | 10.3 | 10.7 | 10.2 | 9.8 | 9.8 | 8.9 |
| 20 | 10.4 | 10.4 | 10.6 | 10.7 | 9.8 | 10.2 | 8.9 | 8.7 | 9.1 | 9.6 | 10.4 | 10.4 | 10.4 | 10.7 | 9.9 | 9.8 | 9.9 | 8.9 |
| 30 | 10.4 | 10.3 | 10.5 | 10.6 | 10.1 | 10.2 | 9.9 | 9.5 | 9.1 | 9.6 | 10.1 | 10.7 | 10.5 | 10.6 | 10.0 | 9.8 | 9.7 | 8.9 |
| 40 | 10.3 | 10.3 | 10.3 | 10.4 | 10.0 | 10.1 | 9.9 | 9.2 | 9.1 | 9.1 | 10.0 | 10.4 | 10.4 | 10.6 | 9.7 | 9.5 | 9.6 | 8.8 |
| 50 | 10.3 | 10.2 | 10.2 | 10.2 | 9.8 | 9.9 | 9.6 | 8.9 | 9.0 | 8.7 | 9.2 | 9.6 | 10.4 | 10.4 | 9.9 | 9.5 | 9.3 | 8.6 |
| 60 | 10.3 | 10.1 | 10.1 | 10.0 | 9.7 | 9.7 | 9.5 | 8.8 | 8.9 | 8.7 | 8.7 | 9.4 | 9.0 | 10.4 | 9.8 | 9.4 | 9.2 | 8.6 |
| 70 | 10.3 | 9.5 | 9.9 | 9.6 | 9.5 | 9.5 | 9.4 | 8.7 | 8.7 | 8.6 | 8.3 | 9.1 | 8.9 | 10.3 | 9.7 | 9.3 | 9.0 | 8.6 |
| 80 | 8.6 | 8.2 | 9.5 | 9.1 | 9.2 | 9.3 | 9.2 | 8.6 | 8.6 | 8.4 | 8.2 | 9.1 | 8.6 | 10.3 | 9.0 | 9.2 | 9.0 | 8.5 |
| 90 | 8.5 | 7.9 | 9.3 | 8.8 | 9.1 | 9.1 | 9.1 | 8.4 | 8.6 | 8.0 | 7.8 | 8.8 | 8.5 | 8.1 | 8.6 | 9.2 | 9.0 | 8.6 |
| 100 | 8.3 | 7.4 | 8.9 | 8.5 | 9.1 | 8.9 | 8.9 | 8.3 | 8.6 | 8.0 | 7.7 | 8.5 | 8.2 | 7.9 | 7.3 | 9.2 | 8.9 | 8.6 |
| 110 | 8.3 | 7.4 | 8.5 | 8.3 | 8.8 | 8.9 | 8.7 | 8.2 | 8.5 | 8.0 | 7.5 | 8.2 | 8.1 | 7.5 | 7.1 | 9.1 | 8.9 | 8.6 |
| 120 | 8.2 | 7.4 | 7.7 | 8.0 | 8.6 | 8.8 | 8.3 | 7.9 | 8.3 | 7.9 | 7.4 | 8.2 | 8.0 | 7.4 | 6.8 | 9.1 | 8.9 | 8.3 |
| 130 | 8.2 | 7.4 | 7.6 | 7.8 | 8.4 | 8.6 | 8.1 | 7.7 | 8.1 | 7.7 | 7.3 | 8.1 | 7.7 | 7.3 | 6.7 | 9.0 | 8.8 | 7.9 |
| 140 | 8.1 | 7.4 | 7.4 | 7.6 | 8.2 | 8.4 | 7.9 | 7.5 | 7.9 | 7.5 | 7.2 | 7.8 | 7.4 | 7.1 | 6.7 | 8.9 | 8.7 | 7.5 |
| 150 | 8.1 | 7.4 | 7.4 | 7.6 | 8.0 | 8.2 | 7.7 | 7.3 | 7.7 | 7.3 | 7.0 | 7.5 | 7.3 | 6.9 | 6.4 | 8.9 | 8.6 | 7.5 |

Secchi depth

| Depth (m) | 28-7-98 | 22-8-98 | 29-9-98 | 1-11-98 | 26-11-98 | 22-12-98 | 12-2-99 | 3-3-99 | 14-4-99 | 30-4-99 | 19-5-99 | 1-6-99 | 17-6-99 | 13-7-99 | 6-8-99 | 3-9-99 | 29-9-99 | 18-10-99 |
|-----------|---------|---------|---------|---------|----------|----------|---------|--------|---------|---------|---------|--------|---------|---------|--------|--------|---------|----------|
| 0 | 10.0 | 10.5 | 10.4 | 13.5 | 15.0 | 14.5 | 12.5 | 14.3 | 13.0 | 12.2 | 15.0 | 15.0 | 15.0 | 16.0 | 14.5 | 10.0 | 10.0 | 14.9 |

**Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
For the period starting 16 September 1997**

1997-1998

| Temperature | | | | | | | | | | | | |
|--|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| Date | 16-9-97 | 11-10-97 | 28-10-97 | 02-12-97 | 21-1-98 | 04-3-98 | 24-3-98 | 26-3-98 | 07-4-98 | 29-5-98 | 28-7-98 | 22-8-98 |
| Depth (m) | | | | | | | | | | | | |
| 1 | 10.8 | 11.8 | 12.2 | 14.5 | 17.7 | 20.0 | 19.3 | 18.6 | 17.7 | 14.2 | 11.4 | 11.49 |
| 10 | 10.5 | 11.4 | 12.0 | 13.7 | 17.6 | 19.9 | 18.6 | 18.6 | 17.7 | 14.3 | 11.6 | 11.32 |
| 20 | 10.5 | 11.1 | 11.5 | 13.6 | 16.5 | 19.7 | 18.5 | 18.5 | 17.7 | 14.0 | 11.6 | 11.27 |
| 30 | 10.5 | 10.8 | 11.5 | 13.1 | 14.3 | 16.4 | 18.0 | 18.1 | 17.5 | 13.1 | 11.6 | 11.27 |
| 40 | 10.5 | 10.6 | 11.4 | 12.5 | 12.0 | 13.3 | 13.0 | 12.6 | 13.7 | 12.0 | 11.6 | 11.27 |
| 50 | 10.5 | 10.5 | 11.1 | 11.5 | 11.2 | 12.0 | 11.9 | 11.7 | 11.5 | 11.2 | 11.6 | 11.26 |
| 60 | 10.5 | 10.5 | 11.1 | 11.0 | 11.0 | 11.5 | 11.1 | 11.1 | 11.0 | 10.9 | 11.6 | 11.26 |
| 70 | 10.5 | 10.5 | 10.8 | 10.8 | 10.8 | 11.0 | 10.7 | 10.8 | 10.8 | 10.8 | 11.6 | 11.12 |
| 80 | 10.5 | 10.5 | 10.7 | 10.7 | 10.7 | 10.8 | 10.6 | 10.7 | 10.6 | 10.6 | 10.6 | 10.90 |
| 90 | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.7 | 10.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.86 |
| 100 | 10.5 | 10.5 | 10.5 | 10.5 | 10.6 | 10.7 | 10.5 | 10.6 | 10.6 | 10.6 | 10.5 | 10.82 |
| 110 | 10.5 | 10.5 | 10.4 | 10.5 | 10.6 | 10.6 | 10.5 | 10.5 | 10.5 | 10.6 | 10.5 | 10.5 |
| 120 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.6 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 130 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.6 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 140 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 150 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| Dissolved Oxygen (g m⁻³) | | | | | | | | | | | | |
| Depth (m) | | | | | | | | | | | | |
| 1 | 10.55 | 10.37 | 10.68 | 9.89 | 9.27 | 9.17 | 9.43 | 9.10 | 9.14 | 9.92 | 10.60 | 10.64 |
| 10 | 10.52 | 10.51 | 10.22 | 9.86 | 9.38 | 9.19 | 9.53 | 9.07 | 9.10 | 9.88 | 10.46 | 10.50 |
| 20 | 10.50 | 10.46 | 10.24 | 9.86 | 9.46 | 9.22 | 9.61 | 8.95 | 9.07 | 9.87 | 10.40 | 10.36 |
| 30 | 10.29 | 10.46 | 10.00 | 9.74 | 9.81 | 9.30 | 9.78 | 8.97 | 9.09 | 9.68 | 10.35 | 10.27 |
| 40 | 10.31 | 10.39 | 9.96 | 9.66 | 9.85 | 9.32 | 9.73 | 9.47 | 9.32 | 9.40 | 10.32 | 10.26 |
| 50 | 10.27 | 10.36 | 9.89 | 9.47 | 9.53 | 9.16 | 9.55 | 9.45 | 9.34 | 9.26 | 10.30 | 10.20 |
| 60 | 10.16 | 10.31 | 9.77 | 9.44 | 9.37 | 9.17 | 9.30 | 9.47 | 9.30 | 9.18 | 10.28 | 10.10 |
| 70 | 10.08 | 10.24 | 9.76 | 9.19 | 9.30 | 9.11 | 9.21 | 9.38 | 9.24 | 9.20 | 10.25 | 9.54 |
| 80 | 10.06 | 10.15 | 9.85 | 9.04 | 9.13 | 9.04 | 9.14 | 9.30 | 9.13 | 9.12 | 8.58 | 8.15 |
| 90 | 10.03 | 10.09 | 9.33 | 9.00 | 9.10 | 8.93 | 9.03 | 9.24 | 9.05 | 9.08 | 8.52 | 7.90 |
| 100 | 9.99 | 10.06 | 9.23 | 8.96 | 9.01 | 8.89 | 8.39 | 9.16 | 8.97 | 8.94 | 8.34 | 7.36 |
| 110 | 9.96 | 10.02 | 9.03 | 8.87 | 8.89 | 8.83 | 8.38 | 8.98 | 8.94 | 8.78 | 8.26 | 7.36 |
| 120 | 9.91 | 10.00 | 8.96 | 8.87 | 8.84 | 8.75 | 8.38 | 8.87 | 8.88 | 8.69 | 8.21 | 7.36 |
| 130 | 9.86 | 9.92 | 8.76 | 8.84 | 8.68 | 8.63 | 8.38 | 8.38 | 8.79 | 8.41 | 8.21 | 7.36 |
| 140 | 9.82 | 9.87 | 8.76 | 8.71 | 8.45 | 8.30 | 8.38 | 8.38 | 8.58 | 8.41 | 8.14 | 7.36 |
| 150 | 9.56 | 9.69 | 8.76 | 8.65 | 8.38 | 8.22 | 8.38 | 8.38 | 8.40 | 8.41 | 8.14 | 7.36 |
| Secchi depth data (m) | | | | | | | | | | | | |
| Depth (m) | 12.0 | 13.7 | 12.5 | 14.5 | 14.7 | 11.5 | 13.5 | 13.5 | 13.5 | 15.5 | 10.0 | 10.5 |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.

1996-1997

For the period starting 3 September 1996

| Temperature | | 3-9-96 | 17-9-96 | 27-9-96 | 17-10-96 | 24-10-96 | 6-11-96 | 28-11-96 | 11-12-96 | 23-12-96 | 8-1-97 | 29-1-97 | 26-3-97 | 2-4-97 | 15-4-97 | 20-5-97 | 29-5-97 | 7-7-97 | 29-7-97 |
|--|------|--------|---------|---------|----------|----------|---------|----------|----------|----------|--------|---------|---------|--------|---------|---------|---------|--------|---------|
| Date | | | | | | | | | | | | | | | | | | | |
| Depth (m) | | | | | | | | | | | | | | | | | | | |
| 1 | 10.5 | 10.7 | 12.5 | 13.3 | 12.6 | 13.5 | 13.6 | 14.8 | 16.3 | 17.9 | 17.8 | 17.7 | 17.3 | 16.7 | 14.1 | 14.2 | 11.7 | 10.9 | |
| 10 | 10.4 | 10.6 | 11.6 | 12.0 | 12.3 | 13.6 | 13.6 | 14.8 | 15.3 | 16.8 | 17.6 | 17.6 | 17.3 | 16.7 | 14.0 | 14.1 | 11.7 | 11.0 | |
| 20 | 10.3 | 10.4 | 11.1 | 11.9 | 12.3 | 13.4 | 13.3 | 14.4 | 15.1 | 16.5 | 17.4 | 17.2 | 17.2 | 16.7 | 14.0 | 14.1 | 11.7 | 11.0 | |
| 30 | 10.3 | 10.3 | 11.0 | 11.8 | 12.3 | 13.3 | 13.3 | 14.2 | 15.0 | 15.6 | 14.8 | 16.6 | 17.2 | 16.7 | 12.6 | 14.1 | 11.7 | 11.0 | |
| 40 | 10.3 | 10.3 | 10.5 | 11.7 | 11.9 | 11.7 | 11.6 | 12.7 | 13.5 | 13.0 | 13.4 | 13.8 | 14.5 | 14.0 | 11.5 | 14.0 | 11.7 | 11.0 | |
| 50 | 10.4 | 10.3 | 10.4 | 11.5 | 11.6 | 10.8 | 10.9 | 12.5 | 12.4 | 11.9 | 11.8 | 12.4 | 11.5 | 11.9 | 11.0 | 12.1 | 11.7 | 11.0 | |
| 60 | 10.3 | 10.3 | 10.4 | 10.9 | 11.1 | 10.6 | 10.9 | 11.7 | 11.3 | 11.2 | 10.9 | 11.2 | 10.9 | 11.1 | 10.5 | 11.8 | 11.7 | 11.0 | |
| 70 | 10.3 | 10.3 | 10.3 | 10.6 | 10.6 | 10.5 | 10.5 | 11.7 | 10.7 | 10.8 | 10.7 | 10.7 | 10.6 | 10.9 | 10.5 | 11.1 | 11.7 | 11.0 | |
| 80 | 10.3 | 10.3 | 10.3 | 10.5 | 10.5 | 10.4 | 10.4 | 11.1 | 10.6 | 10.6 | 10.6 | 10.5 | 10.5 | 10.7 | 10.5 | 10.8 | 10.9 | 11.0 | |
| 90 | 10.3 | 10.3 | 10.3 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.5 | 10.5 | 10.4 | 10.5 | 10.5 | 10.5 | 10.6 | 10.5 | 10.6 | 10.8 | 10.9 |
| 100 | 10.3 | 10.3 | 10.3 | 10.3 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.5 | 10.5 | 10.5 | 10.5 | 10.6 | 10.7 |
| 110 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.6 |
| 120 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 130 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 140 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.4 | 10.3 | 10.3 | 10.3 | 10.4 | 10.4 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 150 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.4 | 10.4 | 10.5 | 10.4 | 10.4 | 10.5 | 10.5 | |
| Dissolved Oxygen (g m⁻³) | | | | | | | | | | | | | | | | | | | |
| Depth (m) | | | | | | | | | | | | | | | | | | | |
| 1 | 8.81 | 9.08 | 10.03 | 9.78 | 10.32 | 9.96 | 9.99 | 10.03 | 9.10 | 8.71 | 8.80 | 9.70 | 9.40 | 9.06 | 9.09 | 9.3 | 9.9 | 10.53 | |
| 10 | 9.17 | 9.17 | 10.43 | 9.85 | 10.27 | 9.84 | 9.87 | 9.97 | 9.30 | 8.70 | 8.80 | 9.30 | 9.25 | 8.95 | 9.10 | 9.2 | 9.8 | 10.42 | |
| 20 | 9.14 | 8.98 | 10.32 | 9.84 | 10.15 | 9.80 | 9.80 | 9.90 | 9.30 | 8.70 | 8.70 | 8.93 | 8.94 | 8.91 | 9.06 | 9.2 | 9.8 | 10.45 | |
| 30 | 8.98 | 8.95 | 10.16 | 9.84 | 9.89 | 9.79 | 9.81 | 9.76 | 9.30 | 8.80 | 9.10 | 8.80 | 8.82 | 8.87 | 9.01 | 9.2 | 9.8 | 10.43 | |
| 40 | 8.90 | 8.93 | 9.98 | 9.80 | 9.89 | 9.73 | 9.77 | 9.70 | 9.30 | 9.00 | 8.90 | 8.78 | 8.79 | 8.82 | 8.94 | 9.1 | 9.8 | 10.46 | |
| 50 | 8.78 | 8.87 | 9.69 | 9.76 | 9.80 | 9.29 | 9.35 | 9.10 | 9.30 | 8.80 | 8.90 | 8.51 | 8.58 | 8.65 | 8.86 | 9.1 | 9.7 | 10.40 | |
| 60 | 8.73 | 8.80 | 9.54 | 9.67 | 9.67 | 9.19 | 9.14 | 9.04 | 9.15 | 8.60 | 8.70 | 8.49 | 8.56 | 8.71 | 8.70 | 9.0 | 9.7 | 10.36 | |
| 70 | 8.74 | 8.80 | 9.45 | 9.56 | 9.44 | 9.14 | 9.09 | 9.03 | 9.07 | 8.60 | 8.60 | 8.47 | 8.52 | 8.71 | 8.64 | 8.9 | 9.7 | 10.34 | |
| 80 | 8.70 | 8.77 | 9.37 | 9.42 | 9.33 | 9.03 | 9.01 | 9.01 | 9.00 | 8.60 | 8.50 | 8.36 | 8.46 | 8.69 | 8.48 | 8.5 | 8.6 | 10.34 | |
| 90 | 8.63 | 8.70 | 9.24 | 9.29 | 9.30 | 8.99 | 8.96 | 8.92 | 8.98 | 8.60 | 8.50 | 8.30 | 8.45 | 8.63 | 8.32 | 8.3 | 8.2 | 10.24 | |
| 100 | 8.59 | 8.61 | 9.11 | 9.22 | 9.21 | 8.94 | 8.93 | 8.88 | 8.95 | 8.60 | 8.40 | 8.27 | 8.40 | 8.54 | 8.29 | 8.2 | 8.1 | 8.70 | |
| 110 | 8.48 | 8.49 | 9.13 | 9.15 | 9.20 | 8.90 | 8.87 | 8.80 | 8.89 | 8.50 | 8.30 | 8.18 | 8.29 | 8.48 | 8.27 | 8.1 | 8.0 | 8.02 | |
| 120 | 8.44 | 8.33 | 9.07 | 8.91 | 8.98 | 8.77 | 8.74 | 8.73 | 8.85 | 8.40 | 8.20 | 8.08 | 8.20 | 8.41 | 8.22 | 8.1 | 8.0 | 8.05 | |
| 130 | 8.19 | 8.27 | 9.07 | 8.83 | 8.98 | 8.71 | 8.69 | 8.69 | 8.66 | 8.30 | 8.30 | 7.96 | 8.02 | 8.20 | 8.19 | 8.1 | 7.9 | 8.09 | |
| 140 | 8.39 | 8.35 | 9.05 | 8.89 | 8.89 | 8.62 | 8.65 | 8.60 | 8.33 | 8.20 | 8.20 | 7.40 | 7.60 | 7.87 | 7.97 | 7.8 | 7.4 | 7.79 | |
| 150 | 8.81 | 8.84 | 8.98 | 8.49 | 8.94 | 8.48 | 8.43 | 8.47 | 8.25 | 8.10 | 8.10 | 7.40 | 7.50 | 7.71 | 7.88 | 7.7 | 7.2 | 7.13 | |
| Secchi depth data (m) | | | | | | | | | | | | | | | | | | | |
| Secchi d | 13.1 | 14.2 | 11.2 | 12.6 | 13.4 | 14.9 | 14.1 | 14.7 | 17.7 | 15.1 | 15.2 | 15.3 | 16.0 | 17.7 | 14.6 | 14.5 | 12.5 | 13.5 | |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.

1995-1996

For the period starting 12 September 1995

| Temperature | | 12-9-95 | 25-9-95 | 30-10-95 | 24-11-95 | 06-12-95 | 12-1-96 | 31-1-96 | 13-2-96 | 29-2-96 | 20-3-96 | 28-3-96 | 18-4-96 | 19-5-96 | 14-6-96 | 9-7-96 |
|---------------------------------------|------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| Depth (m) | Date | | | | | | | | | | | | | | | |
| 1 | | 10.7 | | 13.7 | | 17.7 | 21.1 | 21.7 | 22.7 | 20.5 | 18.2 | 16.8 | 17.7 | 14.8 | 12.2 | 11.2 |
| 10 | | 10.7 | | 11.9 | | 16.2 | 20.7 | 20.7 | 21.0 | 20.1 | 18.2 | 16.7 | 17.4 | 14.8 | 12.2 | 11.2 |
| 20 | | 10.7 | | 11.4 | | 15.3 | 18.1 | 18.5 | 20.6 | 20.0 | 18.2 | 16.6 | 17.3 | 14.8 | 12.1 | 11.2 |
| 30 | | 10.7 | | 11.2 | | 12.4 | 14.8 | 13.5 | 15.1 | 15.5 | 18.1 | 13.7 | 17.0 | 14.8 | 12.1 | 11.2 |
| 40 | | 10.7 | | 10.9 | | 11.4 | 12.4 | 12.3 | 12.2 | 11.9 | 12.3 | 12.4 | 12.6 | 14.7 | 12.0 | 11.2 |
| 50 | | 10.7 | | 10.8 | | 11.0 | 11.5 | 11.6 | 11.6 | 11.3 | 11.4 | 11.6 | 11.4 | 11.6 | 11.2 | 11.2 |
| 60 | | 10.7 | | 10.7 | | 10.7 | 11.0 | 11.2 | 11.0 | 11.0 | 11.1 | 11.4 | 11.1 | 11.1 | 10.9 | 11.2 |
| 70 | | 10.7 | | 10.5 | | 10.6 | 10.9 | 10.8 | 10.8 | 10.8 | 10.9 | 11.6 | 11.1 | 10.9 | 10.8 | 11.2 |
| 80 | | 10.5 | | 10.5 | | 10.6 | 10.9 | 10.7 | 10.7 | 10.7 | 10.8 | 11.2 | 10.9 | 10.8 | 10.8 | 11.2 |
| 90 | | 10.4 | | 10.5 | | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 11.3 | 10.8 | 10.7 | 10.8 | 10.8 |
| 100 | | 10.4 | | 10.5 | | 10.5 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.9 | 10.8 | 10.7 | 10.7 | 10.8 |
| 110 | | 10.4 | | 10.5 | | 10.5 | 10.5 | 10.6 | 10.7 | 10.7 | 10.6 | 10.8 | 10.8 | 10.7 | 10.7 | 10.8 |
| 120 | | 10.4 | | 10.5 | | 10.5 | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.8 |
| 130 | | 10.4 | | 10.5 | | 10.5 | 10.5 | 10.5 | 10.7 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.8 |
| 140 | | 10.4 | | 10.5 | | 10.5 | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.8 |
| 150 | | 10.4 | | 10.5 | | 10.5 | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.8 |
| 160 | | 10.4 | | * | | 10.5 | 10.5 | 10.5 | * | * | * | * | * | * | * | * |
| Dissolved oxygen (g m ⁻³) | | | | | | | | | | | | | | | | |
| Depth (m) | Date | | | | | | | | | | | | | | | |
| 1 | | 9.6 | | 10.3 | | 9.5 | 8.5 | 8.5 | 8.1 | 8.2 | 8.4 | 8.7 | 8.6 | 9.0 | 9.2 | 9.3 |
| 10 | | 9.6 | | 10.5 | | 9.9 | 8.7 | 8.5 | 8.1 | 8.2 | 8.3 | 8.7 | 8.6 | 9.0 | 9.2 | 9.1 |
| 20 | | 9.6 | | 10.6 | | 10.0 | 9.1 | 9.1 | 8.2 | 8.1 | 8.3 | 8.8 | 8.6 | 8.9 | 9.2 | 9.1 |
| 30 | | 9.6 | | 10.7 | | 10.5 | 9.7 | 10.1 | 9.2 | 9.0 | 8.1 | 9.0 | 8.4 | 8.9 | 9.1 | 9.0 |
| 40 | | 9.7 | | 10.7 | | 10.5 | 10.1 | 10.2 | 9.5 | 9.1 | 8.7 | 8.8 | 8.7 | 8.9 | 9.0 | 8.9 |
| 50 | | 9.6 | | 10.3 | | 10.3 | 9.9 | 9.9 | 9.0 | 9.0 | 8.6 | 8.6 | 8.4 | 8.7 | 8.4 | 8.8 |
| 60 | | 9.5 | | 10.3 | | 10.0 | 9.6 | 8.9 | 8.7 | 8.8 | 8.5 | 8.5 | 8.4 | 8.5 | 8.1 | 8.7 |
| 70 | | 9.4 | | 10.2 | | 10.0 | 9.6 | 8.9 | 8.6 | 8.6 | 8.5 | 8.5 | 8.4 | 8.3 | 7.9 | 8.7 |
| 80 | | 9.4 | | 10.2 | | 9.9 | 9.6 | 8.8 | 8.5 | 8.5 | 8.4 | 8.3 | 8.4 | 8.3 | 7.8 | 8.6 |
| 90 | | 9.0 | | 10.1 | | 9.8 | 9.5 | 8.8 | 8.4 | 8.4 | 8.3 | 8.2 | 8.3 | 8.2 | 7.7 | 8.1 |
| 100 | | 9.0 | | 10.0 | | 9.7 | 9.4 | 8.8 | 8.3 | 8.3 | 8.3 | 8.2 | 8.3 | 8.1 | 7.7 | 7.5 |
| 110 | | 9.0 | | 9.9 | | 9.6 | 9.4 | 8.8 | 8.1 | 8.3 | 8.2 | 8.1 | 7.9 | 7.8 | 7.6 | 7.3 |
| 120 | | 8.8 | | 9.9 | | 9.4 | 9.3 | 8.3 | 8.1 | 8.3 | 8.1 | 8.3 | 7.9 | 7.8 | 7.5 | 7.1 |
| 130 | | 8.8 | | 9.8 | | 9.3 | 9.2 | 8.3 | 7.9 | 8.2 | 7.8 | 8.3 | 7.8 | 7.8 | 7.5 | 7.1 |
| 140 | | 8.7 | | 9.6 | | 9.1 | 8.9 | 7.9 | 7.6 | 8.2 | 7.5 | 8.0 | 7.6 | 7.7 | 7.4 | 7.0 |
| 150 | | 8.7 | | 9.2 | | 8.9 | 8.7 | 7.9 | 7.6 | 8.0 | 7.4 | 7.8 | 7.4 | 7.5 | 7.4 | 7.0 |
| Secchi depth | | | | | | | | | | | | | | | | |
| Depth (m) | Date | | | | | | | | | | | | | | | |
| | | 11.9 | 11.9 | 13.0 | 13.6 | 15.1 | 16.3 | 15.7 | 17.8 | 18.4 | 14.1 | 14.6 | 14.4 | 14.7 | 14.4 | 12.9 |

Lake Taupo Temperature, Dissolved Oxygen, and Secchi Depth Database.
 Started 27 October 1994

1994-1995

| Temperature | | 27-10-94 | 21-11-94 | 01-12-94 | 13-12-94 | 27-12-94 | 13-1-95 | 25-1-95 | 09-2-95 | 26-2-95 | 08-3-95 | 24-3-95 | 12-4-95 | 19-4-95 | 04-5-95 | 21-5-95 | 08-6-95 | 14-7-95 | 30-7-95 | |
|-------------|-----------|--|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| Date | Depth (m) | | | | | | | | | | | | | | | | | | | |
| | 1 | 11.7 | 12.8 | 15.7 | 17.5 | 17.8 | 18.6 | 19.9 | 20.6 | 20.9 | 20.9 | 18.5 | 19.4 | 18.4 | 17.0 | 15.0 | 13.4 | 11.3 | 10.8 | |
| | 10 | 11.5 | 12.6 | 14.2 | 16.4 | 17.3 | 18.4 | 19.9 | 20.0 | 19.9 | 19.8 | 18.4 | 18.6 | 18.2 | 16.9 | 15.0 | 13.5 | 11.3 | 10.8 | |
| | 20 | 11.5 | 12.6 | 13.2 | 15.5 | 16.9 | 18.0 | 17.8 | 19.6 | 19.9 | 19.7 | 18.4 | 18.4 | 18.2 | 16.8 | 15.0 | 13.4 | 11.3 | 10.8 | |
| | 30 | 11.3 | 12.6 | 13.0 | 13.2 | 13.3 | 15.9 | 15.6 | 15.0 | 15.0 | 15.1 | 18.4 | 15.7 | 16.5 | 14.6 | 15.0 | 13.4 | 11.3 | 10.8 | |
| | 40 | 10.9 | 12.6 | 12.1 | 12.5 | 12.2 | 13.1 | 13.3 | 12.9 | 13.0 | 12.8 | 12.7 | 13.0 | 12.5 | 12.2 | 12.7 | 13.3 | 11.3 | 10.8 | |
| | 50 | 10.9 | 12.4 | 11.4 | 11.7 | 11.6 | 12.0 | 11.8 | 11.9 | 11.9 | 11.8 | 12.0 | 11.8 | 11.6 | 11.3 | 11.7 | 12.8 | 11.2 | 10.8 | |
| | 60 | 10.8 | 11.8 | 10.7 | 11.1 | * | 11.4 | 11.5 | 11.4 | 11.1 | 11.2 | 11.3 | 11.3 | 11.1 | 11.2 | 11.3 | 11.7 | 11.2 | 10.8 | |
| | 70 | 10.7 | 10.9 | 10.6 | 10.8 | * | * | 11.2 | 11.0 | 10.9 | 10.9 | 11.0 | 10.9 | 10.9 | 10.9 | 11.0 | 11.2 | 11.2 | 10.8 | |
| | 80 | 10.6 | 10.7 | 10.5 | 10.7 | * | * | 11.0 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 11.0 | 10.9 | 10.8 | |
| | 90 | 10.5 | 10.6 | 10.5 | 10.6 | * | * | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.8 | 10.8 | 10.8 | 10.8 | |
| | 100 | 10.5 | 10.5 | 10.5 | 10.5 | * | * | 10.7 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.8 | 10.7 | 10.8 | |
| | 110 | 10.5 | 10.5 | 10.4 | 10.4 | * | * | 10.6 | 10.6 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.8 | 10.7 | 10.8 | |
| | 120 | 10.4 | 10.4 | 10.4 | 10.4 | * | * | 10.6 | 10.5 | 10.6 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.8 | 10.7 | 10.8 | |
| | 130 | 10.4 | 10.4 | 10.4 | 10.3 | * | * | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.8 | 10.7 | 10.8 | |
| | 140 | 10.4 | 10.3 | 10.4 | 10.3 | * | * | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.7 | 10.6 | 10.7 | 10.8 | 10.7 | 10.8 | |
| | 150 | 10.3 | 10.3 | 10.3 | 10.3 | * | * | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.7 | 10.8 | 10.7 | 10.8 | |
| | 160 | 10.3 | 10.3 | 10.3 | 10.3 | * | * | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.7 | * | 10.7 | * | * | |
| | | Dissolved oxygen (g m⁻³) | | | | | | | | | | | | | | | | | | |
| | Depth (m) | | | | | | | | | | | | | | | | | | | |
| | 1 | 10.5 | 9.6 | 9.8 | 9.2 | 9.0 | 8.0 | 8.9 | 8.4 | 8.5 | 8.5 | 8.7 | * | 9.2 | 9.3 | 9.0 | 9.0 | 9.6 | 9.6 | |
| | 10 | 10.6 | 9.4 | 10.3 | 9.4 | 10.6 | 10.4 | 10.2 | 8.5 | 8.4 | 8.0 | * | * | 9.3 | 9.1 | 8.8 | 9.1 | 9.6 | 9.5 | |
| | 20 | 10.8 | 9.4 | 10.3 | 9.4 | 11.0 | 10.5 | 11.5 | 8.5 | 8.4 | 8.0 | * | * | 9.2 | 9.0 | 8.8 | 9.1 | 9.4 | 9.4 | |
| | 30 | 10.7 | 9.4 | 10.2 | 9.7 | 12.5 | 11.2 | 11.4 | 9.8 | 9.6 | 9.7 | * | * | 9.3 | 9.2 | 8.7 | 9.0 | 9.4 | 9.3 | |
| | 40 | 10.5 | 9.3 | 10.1 | 9.6 | 12.5 | 11.9 | 12.0 | 9.7 | 9.4 | 9.7 | * | * | 9.7 | 9.3 | 8.6 | 9.0 | 9.3 | 9.3 | |
| | 50 | 10.4 | 9.3 | 9.9 | 9.5 | 12.6 | 11.9 | 12.0 | 9.4 | 9.4 | 9.5 | * | * | 9.5 | 9.2 | 8.5 | 8.8 | 9.2 | 9.3 | |
| | 60 | 10.4 | 9.4 | 9.9 | 9.5 | * | 10.3 | 11.9 | 9.4 | 9.3 | 9.4 | * | * | 9.5 | 9.2 | 8.5 | 8.3 | 9.2 | 9.2 | |
| | 70 | 10.4 | * | 9.8 | 9.5 | * | * | 11.7 | 9.3 | 9.3 | 9.3 | * | * | 9.5 | 9.2 | 8.4 | 8.3 | 9.2 | 9.2 | |
| | 80 | 10.4 | * | 9.8 | 9.5 | * | * | 11.6 | 9.3 | 8.9 | 9.1 | * | * | 9.0 | 9.2 | 8.3 | 8.3 | 8.5 | 9.1 | |
| | 90 | 10.4 | * | 9.7 | 9.5 | * | * | 11.4 | 9.2 | 8.8 | 9.0 | * | * | 8.7 | 9.0 | 8.1 | 7.9 | 8.3 | 9.0 | |
| | 100 | 10.2 | * | 9.6 | 9.4 | * | * | 11.3 | 9.0 | 8.6 | 8.8 | * | * | 8.6 | 8.6 | 8.0 | 7.6 | 7.8 | 8.9 | |
| | 110 | 10.3 | * | 9.7 | 9.3 | * | * | 11.1 | 9.0 | 8.3 | 8.7 | * | * | 8.3 | 8.2 | 8.0 | 7.5 | 7.4 | 8.8 | |
| | 120 | 10.2 | * | 9.4 | 9.2 | * | * | 10.9 | 8.7 | 8.2 | 8.4 | * | * | 8.2 | 7.9 | 7.8 | 7.1 | 7.2 | 8.6 | |
| | 130 | 9.8 | * | 9.2 | 9.0 | * | * | 10.6 | 8.5 | 7.9 | 8.3 | * | * | 8.0 | 7.7 | 7.6 | 7.0 | 7.2 | 8.4 | |
| | 140 | 9.8 | * | 8.9 | 9.0 | * | * | 10.5 | 8.3 | 7.6 | 8.1 | * | * | 8.0 | 7.5 | 7.4 | 7.0 | 7.1 | 8.4 | |
| | 150 | 9.9 | * | 8.6 | 8.7 | * | * | 10.4 | 8.3 | 7.3 | 7.9 | * | * | 7.5 | 7.3 | 7.0 | 7.0 | 7.1 | 8.3 | |
| | 160 | * | * | 8.5 | 8.5 | * | * | 10.0 | 8.2 | 7.5 | 7.7 | * | * | 6.6 | 7.2 | * | 6.8 | * | * | |
| | | Secchi depth | | | | | | | | | | | | | | | | | | |
| | Depth (m) | | | | | | | | | | | | | | | | | | | |
| | 11.7 | 11.4 | 12.5 | 12.9 | 15.6 | 17.8 | 15.7 | 17.0 | 16.5 | 17.1 | 14.7 | 15.7 | 16.1 | 15.1 | 14.3 | 15.0 | 12.5 | 15.7 | | |

* = missing or invalid data

Appendix 3 - Nutrient data

Includes accumulated 10-m tube data since 1994. Blank cells indicate missing data.

For completeness, 10-m tube data collected from the Kuratau Basin (site B) and Western Bays (site C) from January 2002 to December 2004 are included as separate sheets following the mid-lake data from site A for those years.

For the spring/autumn profile data, two different analytical methods are used to measure particulate nitrogen:

1. a wet digestion method involving high temperature refluxing in digestion mixture [persulphate / sulphuric acid / Selenium catalyst] for 3 hours followed by colorimetric determination of the nitrogen as the ammoniacal form, and
2. a CHN combustion method which converts all nitrogen compounds to N_2 gas in a furnace at $\sim 1000^\circ C$ to be measured in a thermal conductivity detector.

From February 2002, DRP, NO_3-N , and NH_4-N were measured on a Lachat Flow Injection Analysis (FIA) system but using essentially the same chemistry as previously used on the Technical Auto-Analyzer system. The reported detection limits for these nutrients remains the same at 0.5 mg m^{-3} for DRP and NO_3-N , and 1 mg m^{-3} for NH_4-N . TN and TP values are the sum of all N and P components, excluding Urea-N which is part of the DON component.

From October 2009, chlorophyll *a* concentrations collected by van Dorn sampler from a depth of 50 m have been included in the data set as an indication of the biomass in the DCM. However, because the DCM moves up and down during the year, the fixed depth samples from 50 m may not always be in the centre of DCM.

Lake Taupo cumulative database of 10m tube sample data from October1994 to September 2002.

Samples collected from central lake site.

| Date Collected | Temp. °C | Secchi m | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | PN mg m ⁻³ | TN mg m ⁻³ | Chlorophyll a mg m ⁻³ | PC mg m ⁻³ | |
|----------------|----------|----------|------------------------|------------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|------------------------|-----------------------|-----------------------|----------------------------------|-----------------------|-----|
| 27/10/1994 | 11.7 | 11.7 | 1.2 | 0.7 | 2.5 | 4.4 | 1.1 | 0.2 | 56 | 16.6 | 73.4 | 1.16 | | |
| 24/11/1994 | 12.8 | 11.4 | 0.5 | 2.7 | 1.7 | 4.8 | 1.7 | 1.0 | 51 | 12.6 | 66.5 | 0.41 | | |
| 1/12/1994 | 15.7 | 12.5 | 0.6 | 2.4 | 2.4 | 5.4 | 2.2 | 1.2 | 56 | 18.5 | 78.0 | 0.41 | | |
| 13/12/1994 | 17.5 | 12.9 | 0.8 | 4.2 | 1.4 | 6.4 | <0.2 | 0.9 | 51 | 9.3 | 60.6 | 0.24 | | |
| 28/12/1994 | 17.8 | 15.6 | 0.5 | 1.7 | 1.9 | 4.1 | 1.1 | 1.3 | 51 | 16.7 | 69.6 | 0.41 | | |
| 13/01/1995 | 18.6 | 17.8 | 0.1 | 2.2 | 1.6 | 3.8 | <0.2 | 0.8 | 53 | 11.6 | 64.9 | 0.22 | | |
| 24/01/1995 | 19.9 | 15.7 | 0.2 | 2.1 | 1.2 | 3.6 | <0.2 | 0.8 | 57 | 13.3 | 71.0 | 0.25 | | |
| 10/02/1995 | 20.6 | 17.0 | 0.3 | 2.2 | 1.2 | 3.6 | <0.2 | 1.5 | 62 | 10.2 | 73.3 | 0.32 | | |
| 27/02/1995 | 20.9 | 16.5 | 0.4 | <0.5 | 2.5 | 2.8 | 1.9 | 1.5 | 71 | 16.5 | 90.8 | 0.35 | | |
| 9/03/1995 | 20.9 | 17.1 | 0.4 | 1.7 | 1.6 | 3.7 | 0.2 | 0.7 | 55 | 11.6 | 67.5 | 0.28 | | |
| 24/03/1995 | 18.5 | 14.7 | | | 1.9 | 1.9 | | | | 13.0 | | 0.37 | | |
| 12/04/1995 | 19.4 | 15.7 | 0.2 | 1.4 | 1.7 | 3.2 | 0.3 | 0.7 | 51 | 17.3 | 69.6 | 0.57 | | |
| 19/04/1995 | 18.4 | 16.1 | 2.8 | 1.5 | 1.4 | 5.7 | 4.0 | 0.9 | 71 | 14.1 | 90.0 | 0.92 | | |
| 4/05/1995 | 17.0 | 15.1 | 1.4 | 1.1 | 3.0 | 5.5 | 1.4 | 2.3 | 76 | 24.7 | 104.4 | 0.96 | | |
| 21/05/1995 | 15.0 | 14.3 | 1.2 | 0.9 | 2.2 | 4.3 | 0.4 | 2.1 | 50 | 29.2 | 81.8 | 0.98 | | |
| 8/06/1995 | 13.4 | 15.0 | 0.7 | 0.4 | 1.8 | 2.9 | 0.2 | 0.6 | 54 | 15.4 | 70.2 | 1.05 | | |
| 14/07/1995 | 11.3 | 12.5 | 0.3 | 2.5 | 1.7 | 4.5 | 0.3 | 2.1 | 53 | 15.0 | 70.8 | 1.32 | | |
| 30/07/1995 | 10.8 | 15.7 | 0.7 | 0.7 | 1.9 | 3.3 | <0.2 | 4.6 | 35 | 17.3 | 57.3 | | | |
| 13/08/1995 | | | 0.5 | 0.4 | 1.9 | 2.8 | <0.2 | 4.6 | 39 | 14.2 | 57.4 | 0.99 | | |
| 12/09/1995 | 10.7 | 11.9 | 0.5 | 2.2 | 4.9 | 2.0 | 40.9 | 177 | 15.1 | 237.6 | | | | |
| 25/09/1995 | 11.5 | 11.9 | <0.2 | 0.7 | 2.1 | 2.8 | <0.2 | 0.3 | 84 | 17.6 | 101.6 | 0.64 | | |
| 30/10/1995 | 13.0 | 13.0 | <0.2 | 2.4 | 1.9 | 4.3 | <0.2 | <0.1 | 56 | 14.7 | 70.4 | 0.93 | | |
| 24/11/1995 | 13.7 | 13.6 | 0.8 | 1.8 | 1.6 | 4.3 | 1.9 | <0.1 | 59 | 12.6 | 73.3 | 0.29 | | |
| 6/12/1995 | 17.7 | 15.1 | 2.2 | 0.4 | 1.2 | 3.9 | 1.7 | <0.1 | 58 | 11.3 | 70.8 | 0.20 | | |
| 12/01/1996 | 21.1 | 16.3 | 2.6 | 0.6 | 1.2 | 4.4 | 3.6 | <0.1 | 64 | 10.1 | 77.8 | 0.24 | | |
| 31/01/1996 | 21.7 | 15.7 | 1.3 | 1.6 | 1.3 | 4.2 | 4.2 | <0.1 | 59 | 11.9 | 75.5 | 0.29 | | |
| 13/02/1996 | 22.7 | 17.8 | 2.1 | 3.3 | 1.2 | 6.6 | 7.4 | <0.1 | 81 | 10.4 | 98.9 | 0.15 | | |
| 29/02/1996 | 20.5 | 18.4 | 1.9 | 2.2 | 1.2 | 5.3 | 4.2 | <0.1 | 61 | 10.8 | 76.3 | 0.31 | | |
| 20/03/1996 | 18.2 | 14.1 | 0.8 | 2.2 | 1.4 | 4.5 | 5.4 | <0.1 | 76 | 14.2 | 95.3 | 0.56 | | |
| 28/03/1996 | 16.8 | 14.6 | 1.3 | 1.8 | 1.4 | 4.5 | 4.7 | <0.1 | 91 | 12.6 | 108.3 | 0.81 | | |
| 18/04/1996 | 17.7 | 14.4 | 0.8 | 2.2 | | | | <0.1 | 61 | | | 0.41 | | |
| 19/05/1996 | 14.8 | 14.7 | 0.8 | 3.0 | 2.0 | 6.8 | | <0.1 | 59 | | | 0.70 | | |
| 14/06/1996 | 12.2 | 14.4 | 1.6 | 3.2 | | | | <0.1 | 71 | | | | | |
| 19/06/1996 | 12.2 | 14.4 | 1.0 | 1.2 | | | | <0.1 | 49 | | | 0.70 | | |
| 9/07/1996 | 11.2 | 12.9 | 3.0 | | 1.9 | | | <0.1 | 47 | 11.3 | | 0.80 | | |
| 3/08/1996 | 10.5 | 13.1 | 0.7 | 2.0 | 3.0 | 5.7 | 2.5 | 0.2 | 52 | 17.0 | 71.7 | 1.03 | | |
| 18/08/1996 | 10.7 | 14.2 | 1.3 | 1.2 | 2.4 | 4.9 | 2.1 | 0.2 | 42 | 14.0 | 58.3 | 0.75 | | |
| 30/09/1996 | 12.5 | 11.2 | 0.9 | 1.6 | 1.8 | 4.3 | 3.3 | 0.2 | 58 | 11.0 | 72.5 | 0.28 | | |
| 17/10/1996 | 13.3 | 12.6 | 0.6 | 2.1 | 2.6 | 5.3 | 2.9 | 2.5 | 64 | 19.0 | 88.4 | 0.59 | | |
| 24/10/1996 | 12.6 | 13.4 | 0.7 | 2.3 | 2.2 | 5.2 | 2.4 | 0.4 | 64 | 15.0 | 81.8 | 0.47 | | |
| 6/11/1996 | 13.5 | 14.9 | 0.8 | 2.6 | 2.2 | 5.6 | 3.2 | 1.0 | 64 | 17.0 | 85.2 | 0.45 | | |
| 28/11/1996 | 13.6 | 14.1 | 0.4 | 1.9 | 2.4 | 4.7 | 2.6 | 0.4 | 49 | 20.0 | 72.0 | 0.90 | | |
| 11/12/1996 | 14.8 | 14.7 | 1.3 | 1.7 | 1.3 | 4.3 | 6.2 | 0.8 | 48 | 17.0 | 122.0 | 0.33 | | |
| 23/12/1996 | 16.3 | 17.7 | 1.3 | 1.1 | | | | 5.2 | 0.3 | 46 | | 0.23 | | |
| 8/01/1997 | 17.9 | 15.1 | 0.7 | 1.7 | 1.9 | 4.3 | 2.0 | 0.6 | 50 | 15.0 | 67.6 | 0.33 | | |
| 29/01/1997 | 17.8 | 15.2 | 0.7 | 1.8 | 1.6 | 4.1 | 1.9 | 0.4 | 54 | 17.0 | 73.3 | 0.21 | | |
| 26/02/1997 | 17.7 | 15.3 | 0.6 | 1.7 | 2.1 | 4.4 | 2.4 | 1.8 | 57 | 19.0 | 80.2 | 0.46 | | |
| 7/03/1997 | 17.5 | 16.0 | 0.9 | 1.3 | 1.6 | 3.8 | 1.7 | 0.3 | 51 | 16.0 | 69.0 | 0.69 | | |
| 15/04/1997 | 16.7 | 17.7 | 0.7 | 2.5 | 1.5 | 4.7 | 3.2 | 0.8 | 57 | 12.0 | 73.0 | 0.40 | | |
| 1/05/1997 | 15.6 | 16.0 | 0.6 | | | | | 1.7 | 0.1 | | | 0.58 | | |
| 21/05/1997 | 14.2 | 14.6 | 1.0 | 8.8 | 1.7 | 11.5 | 4.5 | 0.3 | 92 | 15.0 | 111.8 | 1.05 | | |
| 29/05/1997 | 14.3 | 14.5 | 1.1 | 1.1 | | | | 3.3 | 1.0 | 51 | | 0.89 | | |
| 7/07/1997 | 11.0 | 13.5 | 0.6 | 0.9 | | | | 4.7 | 2.1 | 67 | | 0.67 | | |
| 29/07/1997 | 10.9 | 13.5 | 0.5 | 1.6 | | | | 1.5 | 2.1 | 39 | | 1.13 | | |
| 2/09/1997 | 10.6 | 14.1 | 1.4 | 1.1 | 1.7 | 4.2 | 7.0 | 1.8 | 47.0 | 13.1 | 68.9 | 1.08 | | |
| 16/09/1997 | 10.6 | 12.0 | 0.5 | 1.1 | | | | 1.3 | 0.7 | 35 | | 2.16 | | |
| 11/10/1997 | 11.6 | 13.7 | 2.4 | 2.8 | 1.7 | 6.9 | 4.8 | 0.9 | 63.3 | 16.2 | 85.2 | 1.14 | | |
| 29/10/1997 | 12.1 | 12.5 | 0.7 | 1.9 | 1.9 | 4.5 | 1.3 | 7.3 | 32 | 19.0 | 59.6 | 1.49 | | |
| 7/12/1997 | 14.5 | 14.5 | 0.2 | 2.3 | | | | 3.2 | 1.7 | 55 | | 0.83 | | |
| 17/12/1997 | 14.7 | 14.1 | 1.4 | 1.2 | 1.2 | 3.7 | 3.2 | 1.7 | 55 | 10.0 | 60.3 | 0.83 | | |
| 4/03/1998 | 20.0 | 11.5 | 1.5 | 1.7 | 2.6 | 5.8 | 6.4 | 4.0 | 76.0 | 19.8 | 106.2 | 0.58 | | |
| 24/03/1998 | 19.3 | 13.5 | 1.0 | 1.4 | 1.8 | 3.2 | 2.1 | 1.1 | 48.0 | 13.2 | 64.4 | 1.25 | | |
| 7/04/1998 | 17.7 | 13.5 | 0.9 | 1.4 | 1.8 | 4.1 | 1.9 | 2.5 | 52.0 | 13.7 | 70.1 | 1.04 | | |
| 29/05/1998 | 14.2 | 15.5 | 1.0 | 1.9 | 1.9 | 4.8 | 5.0 | 3.5 | 51.0 | 16.4 | 75.9 | 1.36 | | |
| 28/07/1998 | 11.4 | 10.0 | 1.2 | 1.0 | 3.1 | 5.3 | 2.1 | 1.4 | 45.0 | 26.0 | 74.5 | 1.19 | | |
| 29/09/1998 | 12.9 | 10.5 | 1.5 | 1.0 | | | | 2.2 | 0.5 | 41.0 | 20.3 | 64.0 | 0.70 | |
| 8/10/1998 | 12.9 | 10.4 | 1.5 | <1 | | | | 2.4 | 2.4 | 46.0 | 37.6 | 88.4 | 1.00 | |
| 1/11/1998 | 13.6 | 13.5 | 0.6 | 1.3 | 2.6 | 4.5 | 2.4 | <0.5 | 36.0 | 15.2 | 53.6 | 0.90 | | |
| 26/11/1998 | 18.4 | 15.0 | 1.3 | 2.6 | 2.1 | 6.0 | 9.6 | 1.6 | 42.0 | 16.4 | 69.6 | 0.61 | | |
| 22/12/1998 | 18.5 | 14.5 | 1.1 | 0.4 | 2.5 | 4.0 | 2.7 | 1.1 | 36.0 | 17.7 | 61.5 | 0.25 | | |
| 12/02/1999 | 20.1 | 12.5 | 0.8 | 2.8 | 1.7 | 5.3 | 4.0 | 1.6 | 39.0 | 11.4 | 56.0 | 0.60 | | |
| 3/03/1999 | 20.9 | 14.3 | 0.6 | 2.9 | 2.0 | 5.5 | 1.6 | 1.1 | 40.0 | 16.8 | 59.5 | 0.82 | | |
| 14/03/1999 | 18.8 | 13.0 | 0.6 | <1 | 1.8 | 2.4 | 3.0 | <0.5 | 41.0 | 19.0 | 61.6 | 1.30 | | |
| 30/04/1999 | 16.4 | 12.2 | 1.1 | 1.5 | 1.7 | 4.3 | 2.1 | <0.5 | 38.0 | 19.6 | 60.2 | 0.94 | | |
| 19/05/1999 | 14.4 | 15.0 | 0.8 | <1 | 1.5 | 5.1 | 1 | <1 | 46.0 | 16.2 | 63.7 | 1.2 | | |
| 8/06/1999 | 14.1 | 14.5 | 1.0 | <1 | 3.9 | 4.9 | 1 | <1 | 48.0 | 25.4 | 74.9 | 1.1 | | |
| 18/06/1999 | 13.0 | 15.0 | 0.8 | <1 | 2.0 | 5.0 | 2 | 5 | 42.0 | 16.5 | 65.5 | 1.7 | | |
| 20/07/1999 | 12.0 | 16.0 | 0.5 | <1 | 3.1 | 3.6 | 1 | <1 | 45.0 | 28.3 | 74.3 | 1.0 | | |
| 9/08/1999 | 11.5 | 14.5 | 1.3 | 1.7 | 2.3 | 5.3 | 4 | 8 | 45.0 | 18.4 | 75.4 | 1.7 | | |
| 6/09/1999 | 11.1 | 16.0 | <0.5 | 2.5 | 2.1 | 5.1 | 2 | 1 | 60 | 16.2 | 79.2 | 0.5 | | |
| 29/09/1999 | 11.5 | 10.0 | 0.7 | 1 | 4 | 5.7 | 3 | 1 | 54 | 32.6 | 90.6 | 1.8 | | |
| 18/10/1999 | 12.7 | 14.9 | 0.5 | 3 | 2.5 | 6 | <1 | <1 | 41 | 19.4 | 60.4 | 0.4 | | |
| 20/12/1999 | 16.4 | 18.0 | 0.7 | 2.3 | 5 | 8 | 4 | 2 | 39 | 38 | 83 | 1.6 | | |
| 18/01/2000 | 17.6 | 19.1 | 0.9 | 2 | 2 | 4 | 5 | 2 | 52 | 18.5 | 70.5 | 0.6 | | |
| 12/04/2000 | 17.3 | 15.0 | 0.8 | 3 | 2 | 5 | 1 | 1 | 61 | 22 | 83 | 0.8 | | |
| 25/04/2000 | 15.8 | 14.0 | 1 | 1 | 3 | 2 | 2 | 4 | 48 | 17 | 68 | 1.3 | | |
| 25/05/2000 | 14.3 | 14.0 | 1 | 4 | 1 | 6 | 2 | <1 | 55 | 17 | 65 | 0.6 | | |
| 20/06/2000 | 12.3 | 14.0 | <1 | 4 | 0 | 4.0 | 2 | 2 | 52 | 16 | 72.0 | 1.7 | 194 | |
| 11/07/2000 | 11.9 | 11.0 | <1 | 4 | 3 | 7.0 | 3 | 2 | 46 | 22.5 | 73.5 | 1.65 | 198 | |
| 5/08/2000 | 11.3 | 12.0 | 2 | 2 | 3 | 7.0 | 1 | 3.5 | 43.5 | 19.5 | 66.0 | 2.5 | 154 | |
| 22/08/2000 | 11.2 | 15.0 | 2 | 2 | 2 | 6.0 | 2 | 4 | 49 | 16.5 | 71.5 | 1.65 | 159 | |
| 12/09/2000 | 11.5 | 12.0 | 2 | 5 | 3.5 | 10.5 | 2 | <1 | 63 | 23.5 | 88.5 | 1 | 148 | |
| 29/09/2000 | 11.5 | 13.0 | 2 | 4 | 2 | 8.0 | 1 | 1 | 54 | 21 | 77.0 | 1.15 | 237 | |
| 26/10/2000 | 13.1 | 11.0 | 0.8 | 4.2 | 3 | 8.0 | 10 | 0.4 | 41.6 | 25 | 68.0 | 1.3 | 237 | |
| 14/11/2000 | 13.1 | 12.0 | <1 | 4 | 2 | 6.0 | 1 | <1 | 41 | 14.5 | 56.5 | 0.9 | 171 | |
| 7/12/2000 | 15.1 | 17.0 | 7 | 2 | 15.5 | 5.6 | 7 | 4 | 63 | 14.75 | 88.8 | 0.6 | 166 | |
| 18/01/2001 | 18.0 | 14.5 | <1 | 1 | 2 | 1.5 | 3.5 | 1 | <1 | 40 | 11 | 52.0 | 0.5 | 137 |
| 16/01/2001 | 19.0 | 18.0 | 0.5 | 2.5 | 1.5 | 4.5 | 1 | 0.5 | 53.5 | 13 | 68.0 | 0.5 | 119 | |
| 21/02/2001 | 20.5 | 17.0 | 0.9 | 1.1 | 1.5 | 3.5 | <1 | 0.5 | 46.5 | 12.5 | 59.5 | 0.6 | 191 | |
| 2/03/2001 | 20.7 | 14.5 | <1 | 2 | 2 | 4.0 | 2 | <1 | | | | | | |

Lake Taupo cumulative database of 10 m tube sample data from June 2000 on
 Samples collected from Mid Lake (Site A)

| Date Collected | Temp. °C | Secchi (m) | DRP (mg m ⁻³) | DOP (mg m ⁻³) | PP (mg m ⁻³) | TP (mg m ⁻³) | NH ₄ -N (mg m ⁻³) | NO ₃ -N (mg m ⁻³) | DON (mg m ⁻³) | PN (mg m ⁻³) | TN (mg m ⁻³) | Chlorophyll <i>a</i> (mg m ⁻³) | PC (mg m ⁻³) |
|----------------|-------------|---------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|------------------------------|-----------------------------|-----------------------------|---|-----------------------------|
| 20/06/2000 | 12.3 | 14.0 | <1 | 4 | 0 | 4.0 | 2 | 2 | 52 | 16 | 72.0 | 1.7 | 193.5 |
| 11/07/2000 | 11.9 | 11.0 | <1 | 4 | 3 | 7.0 | 3 | 2 | 46 | 22.5 | 73.5 | 1.65 | 198 |
| 5/08/2000 | 11.3 | 12.0 | 2 | 2 | 3 | 7.0 | 1 | 3.5 | 43.5 | 19.5 | 36.0 | 2.5 | 153.5 |
| 22/08/2000 | 11.2 | 15.0 | 2 | 2 | 2 | 6.0 | 2 | 4 | 49 | 16.5 | 71.5 | 1.65 | 158.5 |
| 12/09/2000 | 11.5 | 12.0 | 2 | 5 | 3.5 | 10.5 | 2 | <1 | 63 | 23.5 | 88.5 | 1 | 148 |
| 29/09/2000 | 11.5 | 13.0 | 2 | 4 | 2 | 8.0 | 1 | 1 | 54 | 21 | 77.0 | 1.15 | 236.5 |
| 26/10/2000 | 13.1 | 11.0 | 0.8 | 4.2 | 3 | 8.0 | 1.0 | 0.4 | 41.6 | 25 | 68.0 | 1.3 | 237 |
| 14/11/2000 | 13.1 | 12.0 | <1 | 4 | 2 | 6.0 | 1 | <1 | 41 | 14.5 | 56.5 | 0.9 | 171 |
| 7/12/2000 | 15.1 | 17.0 | 2 | 2 | 1.55 | 5.6 | 7 | 4 | 63 | 14.75 | 88.8 | 0.6 | 165.5 |
| 4/01/2001 | 18.0 | 14.5 | <1 | 2 | 1.5 | 3.5 | 1 | <1 | 40 | 11 | 52.0 | 0.5 | 127 |
| 16/01/2001 | 19.0 | 18.0 | 0.5 | 2.5 | 1.5 | 4.5 | 1 | 0.5 | 53.5 | 13 | 68.0 | 0.5 | 118.5 |
| 21/02/2001 | 20.5 | 17.0 | 0.9 | 1.1 | 1.5 | 3.5 | <1 | 0.5 | 46.5 | 12.5 | 59.5 | 0.6 | 190.5 |
| 2/03/2001 | 20.7 | 14.5 | <1 | 2 | 2 | 4.0 | 2 | <1 | 53 | 18 | 73.0 | 0.9 | 193 |
| 20/03/2001 | 19.0 | 17.0 | <1 | 3 | 1.4 | 4.4 | <1 | <1 | 46 | 14.25 | 60.3 | 0.9 | 154 |
| 9/04/2001 | 17.0 | 13.5 | 0.8 | 1.2 | 2.15 | 4.2 | <1 | 3 | 62 | 19.45 | 84.5 | 1.05 | 199 |
| 8/05/2001 | 15.8 | 17.0 | 0.8 | 3.2 | 1.7 | 5.7 | 2 | <1 | 61 | 23 | 86.0 | 1.1 | 248 |
| 30/05/2001 | 13.6 | 14.5 | 1.5 | 1.5 | 2 | 5.0 | 1 | <1 | 57 | 12 | 70.0 | 1.4 | 203 |
| 2/07/2001 | 12.1 | 12.0 | <1 | 3 | 2.3 | 5.3 | 1 | 1 | 50 | 18.3 | 70.3 | 1.5 | 155.5 |
| 25/07/2001 | 11.3 | 14.5 | 2 | 1 | 2.65 | 5.7 | <1 | 6 | 45 | 19.75 | 70.8 | 2.2 | 188 |
| 13/08/2001 | 11.2 | 13.5 | 1 | 1 | 2.85 | 4.9 | 1 | <1 | 41 | 21.9 | 63.9 | 2.1 | 225 |
| 3/09/2001 | 10.2 | 17.5 | 1 | 1 | 2.6 | 4.6 | <1 | <1 | 37 | 19 | 56.0 | 1.7 | 203 |
| 25/09/2001 | 11.6 | 11.0 | 1.1 | 0.9 | 2.8 | 4.8 | 1 | <1 | 56 | 24.5 | 81.5 | 0.9 | 283 |
| 25/10/2001 | 13.0 | 14.5 | 0.8 | 1.2 | 2.4 | 4.4 | <1 | <1 | 46 | 19.4 | 65.4 | 1.1 | 246 |
| 12/11/2001 | 14.3 | 15.5 | 1.0 | 2 | 2.55 | 5.6 | 0.9 | 0.1 | 48 | 17.6 | 66.6 | 0.5 | 227.5 |
| 10/12/2001 | 15.5 | 16.0 | 1.0 | 2 | 2.55 | 5.6 | 0.9 | 0.1 | 48 | 17.6 | 66.6 | 0.5 | 227.5 |
| 20/12/2001 | 17.0 | 13.0 | 0.6 | 2.7 | 2.05 | 5.4 | 1.3 | 0.1 | 48 | 14.85 | 64.3 | 0.5 | 203.5 |
| 8/01/2002 | 18.3 | 13.0 | 0.3 | 2 | 2.2 | 4.5 | 0 | <1 | 50 | 17.15 | 67.2 | 0.8 | 246.5 |
| 22/01/2002 | 19.3 | 15.0 | 0 | 7 | 2.25 | 9.3 | 0 | <1 | 40 | 20.35 | 60.4 | 0.9 | 188 |
| 6/03/2002 | 18.7 | 14.5 | 1.2 | 0.8 | 2.05 | 4.1 | 0.0 | 0.4 | 74 | 17.7 | 92.1 | 1.7 | 226.5 |

| Date Collected | Temp. °C | Secchi (m) | DRP (mg m ⁻³) | DOP (mg m ⁻³) | PP (mg m ⁻³) | TP (mg m ⁻³) | NH ₄ -N (mg m ⁻³) | NO ₃ -N (mg m ⁻³) | DON (mg m ⁻³) | PN (mg m ⁻³) | TN (mg m ⁻³) | Chlorophyll <i>a</i> (mg m ⁻³) | PC (mg m ⁻³) |
|----------------|-------------|---------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|------------------------------|-----------------------------|-----------------------------|---|-----------------------------|
| 4/04/2002 | 17.4 | 19.0 | 0.6 | 3 | 1.45 | 5.1 | 1.1 | 0.1 | 46 | 10.7 | 57.9 | 0.8 | 138 |
| 17/04/2002 | 17.4 | 22.0 | 0.0 | 3 | 1.65 | 4.7 | 0.5 | 0.5 | 47 | 13.1 | 61.1 | 0.9 | 157 |
| 5/05/2002 | 15.5 | 16.4 | 0.7 | 1 | | | 3.1 | 0.7 | 48 | | | 1 | |
| 19/06/2002 | 12.6 | 17.0 | 1.2 | 1.8 | 1.9 | 4.9 | 0.5 | 1.4 | 43.6 | 15.8 | 61.3 | 1.1 | 165.0 |
| 1/07/2002 | 12.1 | 16.0 | 1.2 | 1.8 | 1.8 | 4.8 | 0.9 | 1.7 | 37.3 | 14.3 | 54.2 | 1.5 | 214 |
| 17/07/2002 | 11.4 | 15.5 | 2.3 | 2.7 | 1.7 | 6.7 | 2.3 | 7.8 | 41.9 | 14.6 | 66.6 | 1.5 | 153.5 |
| 31/07/2002 | 11.2 | 12.0 | 2.3 | 2.7 | 2.5 | 7.5 | 0.9 | 5.9 | 177.2 | 16.7 | 200.7 | 2.2 | 193 |
| 29/08/2002 | 11.1 | 9.5 | 1.6 | 1.4 | 3.1 | 6.1 | 0.0 | 0 | 90 | 23 | 113.0 | 2.6 | 196 |
| 18/09/2002 | 11.4 | 12 | 1.3 | 1.7 | 2 | 5.0 | 0 | 0.3 | 47 | 13 | 60.3 | 0.9 | 196.5 |
| 9/10/2002 | 11.6 | 15.5 | 1.3 | 2.7 | 2.1 | 6.1 | 2.9 | 0 | 29 | 12 | 43.9 | 0.6 | 159.5 |
| 13/11/2002 | 12.6 | 18 | 0.9 | 1.1 | 2.4 | 4.4 | 1.7 | 1.3 | 41 | 14.0 | 58.0 | 0.7 | 158.5 |
| 28/11/2002 | 14.1 | 12.7 | 0.7 | 2.3 | 2.7 | 5.7 | 0.1 | 0.0 | 43.0 | 22.0 | 65.1 | 0.7 | 201.5 |
| 18/12/2002 | 15.0 | 13.5 | 0.6 | 1.8 | 2.5 | 4.9 | 0.2 | 0.1 | 47.0 | 14.0 | 61.3 | 0.4 | 123.0 |
| 30/01/2003 | 17.8 | 18 | 0.4 | 3.6 | 1.9 | 5.9 | 0.4 | 0.1 | 56.5 | 12.0 | 69.0 | 0.7 | 166.0 |
| 13/02/2003 | 19.3 | 19 | 0.5 | 2.5 | 1.6 | 4.6 | 0.0 | 0.4 | 43.6 | 8.0 | 52.0 | 0.5 | 146.0 |
| 17/03/2003 | 18.5 | 15 | 0.8 | 2.2 | 1.7 | 4.7 | <1 | 0.4 | 45.6 | 13.0 | 59.0 | 1.0 | 212 |
| 3/04/2003 | 19.3 | 13.5 | 1.1 | 2.9 | 1.8 | 5.8 | <1 | 0.5 | 78.5 | 17.7 | 96.7 | 1.1 | 234.5 |
| 28/04/2003 | 16.7 | 14 | 0.3 | 3.7 | 1.9 | 5.9 | <1 | 0.3 | 73.7 | 15.6 | 89.6 | 1.5 | 208.5 |
| 15/05/2003 | 15.6 | 16.5 | 0.1 | 3.9 | 2.2 | 6.2 | 0.3 | 0.3 | 50.4 | 19.5 | 70.5 | 1.4 | 228.5 |
| 12/06/2003 | 13.5 | 11 | 1.3 | 2.7 | 2.2 | 6.2 | 0.3 | 0.4 | 40.3 | 13.7 | 54.7 | 1.3 | 111.0 |
| 14/07/2003 | 11.8 | 14.5 | 2.2 | 1.8 | 2.6 | 6.6 | 1.1 | 1.1 | 34.8 | 18.0 | 55.0 | 1.8 | 102.0 |
| 31/07/2003 | 11.4 | 14 | 2.4 | 1.6 | 2.4 | 6.4 | 1.3 | 3.7 | 46.0 | 16.7 | 67.7 | 2.0 | 89.5 |
| 14/08/2003 | 11.2 | 13.5 | 1.8 | 2.2 | 3.1 | 7.1 | 0.7 | 0.2 | 46.1 | 21.1 | 68.1 | 2.9 | 91.5 |
| 26/08/2003 | 11.2 | 13 | 3.0 | 1.0 | 4.0 | 8.0 | 1.0 | 0.2 | 42.8 | 21.7 | 65.7 | 2.9 | 135.5 |
| 8/09/2003 | 11.1 | 12.5 | 2.6 | 0.4 | 3.3 | 6.3 | 0.4 | 0.2 | 45.2 | 17.4 | 63.2 | 1.5 | 199.5 |
| 7/10/2003 | 11.4 | 13.0 | 2.6 | 1.6 | 2.8 | 7.0 | 0.3 | 0.2 | 54.5 | 17.8 | 72.8 | 1.2 | 157.5 |
| 21/10/2003 | 13.0 | 17.0 | 2.0 | 1.0 | 2.3 | 5.3 | 0.1 | 1.3 | 39.6 | 14.0 | 55.0 | 0.6 | 146.0 |
| 19/11/2003 | 13.9 | 16.0 | 1.7 | 1.3 | 2.8 | 5.8 | 0.3 | 0.1 | 45.6 | 20.0 | 66.0 | 0.8 | 148.0 |
| 4/12/2003 | 16.0 | 18.5 | 1.6 | 2.4 | 1.8 | 5.8 | 0.2 | 0.1 | 53.7 | 13.4 | 67.4 | 0.3 | 106.5 |
| 18/12/2003 | 17.7 | 17.5 | 1.1 | 3.9 | 3.1 | 8.1 | 0.0 | 0.0 | 49.0 | 20.6 | 69.6 | 0.4 | 151.5 |
| 13/01/2004 | 20.3 | 19.0 | 0.5 | 3.5 | 1.6 | 5.6 | 0.0 | 0.3 | 52.0 | 12.5 | 64.8 | 0.4 | 127.0 |
| 26/02/2004 | 17.2 | 17.0 | 1.4 | 1.7 | 1.6 | 4.7 | 0.0 | 0.1 | 40.9 | 15.5 | 56.5 | 0.7 | 139.0 |
| 8/03/2004 | 17.5 | 15.0 | 0.6 | 2.4 | 2.0 | 5.0 | 0.4 | 0.1 | 42.5 | 12.4 | 55.4 | 0.6 | 177.5 |
| 31/03/2004 | 16.4 | 16.0 | 0.8 | 5.2 | 1.9 | 7.9 | 0.2 | 0.2 | 78.6 | 11.5 | 90.5 | 1.2 | 159.5 |

| Date Collected | Temp. °C | Secchi (m) | DRP (mg m ⁻³) | DOP (mg m ⁻³) | PP (mg m ⁻³) | TP (mg m ⁻³) | NH ₄ -N (mg m ⁻³) | NO ₃ -N (mg m ⁻³) | DON (mg m ⁻³) | PN (mg m ⁻³) | TN (mg m ⁻³) | Chlorophyll <i>a</i> (mg m ⁻³) | PC (mg m ⁻³) |
|----------------|-------------|---------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|------------------------------|-----------------------------|-----------------------------|---|-----------------------------|
| 14/04/2004 | 15.3 | 15.0 | 1.0 | 3.0 | 2.4 | 6.4 | 0.1 | 0.3 | 46.6 | 16.0 | 63.0 | 1.3 | 187.5 |
| 10/05/2004 | 14.7 | 18.0 | 0.6 | 4.4 | 1.8 | 6.8 | 0.1 | 0.2 | 64.7 | 16.8 | 81.8 | 1.2 | 215.0 |
| 10/06/2004 | 13.6 | 13.5 | 0.9 | 2.1 | 2.1 | 5.1 | 0.0 | 0.6 | 63.4 | 17.8 | 81.8 | 1.0 | 371.5 |
| 13/07/2004 | 11.6 | 12.0 | 1.8 | 3.2 | 2.4 | 7.4 | 0.3 | 4.5 | 37.2 | 19.4 | 61.4 | 1.6 | 193.3 |
| 26/07/2004 | 11.3 | 11.0 | 1.6 | 2.4 | 3.0 | 7.0 | 0.5 | 2.4 | 38.1 | 23.4 | 64.4 | 2.7 | 196.0 |
| 24/08/2004 | 10.9 | 12.5 | 0.8 | 3.2 | 2.7 | 6.7 | 0.0 | 0.5 | 58.5 | 18.6 | 77.6 | 2.3 | 181.5 |
| 7/09/2004 | 10.7 | 12.0 | 0.6 | 2.4 | 2.7 | 5.7 | 0.0 | 0.1 | 40.9 | 15.5 | 56.5 | 1.4 | 162.5 |
| 21/10/2004 | 11.6 | 15.0 | 1.0 | 3.0 | 2.0 | 6.0 | 0.0 | 0.0 | 33.0 | 13.0 | 46.0 | 0.7 | 185.0 |
| 2/11/2004 | 12.9 | 16.0 | 1.0 | 3.0 | 1.9 | 5.9 | 2.2 | 0.8 | 62.0 | 14.7 | 79.7 | 0.6 | 147.0 |
| 22/11/2004 | 15.1 | 16.0 | 0.7 | 2.3 | 2.1 | 5.1 | 0.1 | 0.2 | 49.7 | 16.4 | 66.4 | 0.4 | 195.0 |
| 15/12/2004 | 14.1 | 19.5 | 0.7 | 3.3 | 2.2 | 6.2 | 0.0 | 0.2 | 45.8 | 14.7 | 60.7 | 0.2 | 127.5 |
| 11/01/2005 | 16.0 | 20 | 0.4 | 2.6 | 1.4 | 4.4 | 0 | 0.1 | 42.9 | 12.5 | 55.5 | 0.2 | 137 |
| 25/01/2005 | 19.3 | 19.5 | 0.5 | 2.5 | 1.5 | 4.5 | 0.0 | 0.1 | 54.9 | 14.5 | 69.5 | 0.3 | 131.0 |
| 9/02/2005 | 20.7 | 18 | 2.2 | 0.8 | 1.4 | 4.4 | 0.5 | 0.0 | 38.5 | 12.7 | 51.7 | 0.2 | 136.0 |
| 22/02/2005 | 20.0 | 21.5 | 0.8 | 5.2 | 1.7 | 7.7 | 1.5 | 0.5 | 58.0 | 15.8 | 75.8 | 0.2 | 159.0 |
| 10/03/2005 | 19.3 | 18.5 | 0.2 | 2.8 | 1.4 | 4.4 | 1.8 | 0.2 | 34.0 | 14.5 | 50.5 | 0.4 | 158.0 |
| 21/03/2005 | 19.3 | 20 | 0.8 | 3.2 | 1.2 | 5.2 | 0.5 | 0.1 | 43.4 | 10.0 | 54.0 | 0.5 | 140.0 |
| 14/04/2005 | 17.9 | 17.2 | 0.9 | 2.1 | 1.6 | 4.6 | 0.8 | 0.2 | 54.0 | 14.0 | 69.0 | 0.7 | 177.0 |
| 18/05/2005 | 14.3 | 16 | 0.8 | 2.2 | 1.9 | 4.9 | 0.0 | 0.5 | 46.5 | 13.9 | 60.9 | 1.3 | 177.5 |
| 9/06/2005 | 13.0 | 14.1 | 0.6 | 3.4 | 2.2 | 6.2 | 0.1 | 1.6 | 41.3 | 17.4 | 60.4 | 1.3 | 140.5 |
| 20/06/2005 | 12.7 | 13.8 | 0.6 | 3.4 | 2.0 | 6.0 | 0.1 | 1.0 | 39.9 | 18.5 | 59.5 | 1.2 | 158.5 |
| 20/07/2005 | 11.5 | 13 | 3.9 | 6.1 | 2.5 | 12.5 | 0.8 | 0.8 | 97.4 | 19.1 | 118.1 | 2.1 | 169 |
| 3/08/2005 | 11.1 | 14 | 2.6 | 1.4 | 2.3 | 6.3 | 2.0 | 1.4 | 61.6 | 20.3 | 85.3 | 1.2 | 116 |
| 17/08/2005 | 11.2 | 13 | 3.1 | 1 | 3.2 | 7.3 | 0.3 | 2.1 | 49.6 | 26.4 | 78.4 | 1.7 | 172.5 |
| 31/08/2005 | 11.7 | 13 | 2 | 1 | 2.4 | 5.4 | <1 | 1 | 69 | 22.2 | 92.2 | 1.3 | 330 |
| 14/09/2005 | 12.4 | 13 | 1 | 1 | 2.5 | 4.5 | <1 | <1 | 60 | 19.9 | 79.9 | 0.8 | 243 |
| 29/09/2005 | 11.9 | 14 | 1 | 1 | 2.4 | 4.4 | <1 | <1 | 67 | 18 | 85 | 0.8 | 253.5 |
| 12/10/2005 | 11.9 | 14 | 0.7 | 2.3 | 2.7 | 5.7 | 0.0 | 0.7 | 56.3 | 23.2 | 80.2 | 0.8 | 301 |
| 25/10/2005 | 13.4 | 15 | 0.8 | 4.2 | 1.8 | 6.8 | 0.6 | 0.7 | 54.7 | 16.8 | 72.8 | 0.6 | 193 |
| 10/11/2005 | 16.3 | 17.5 | 1.2 | 3.8 | 1.5 | 6.5 | 0.2 | 0.1 | 52.7 | 15.6 | 68.6 | 0.5 | 160 |
| 1/12/2005 | 15.1 | 19.3 | 0.6 | 2.4 | 1.4 | 4.4 | 0 | 0.3 | 39.7 | 16.1 | 56.1 | 0.4 | 141 |
| 10/01/2006 | 17.4 | 19 | 1 | 2 | 1.4 | 4.4 | 0.1 | 1 | 49.9 | 17.8 | 68.8 | 0.5 | 167 |
| 2/02/2006 | 20.2 | 15.5 | 1.1 | 8.9 | 1.5 | 11.5 | 0.0 | 0.0 | 54 | 18 | 72 | 1.1 | 193.5 |
| 1/03/2006 | 19.5 | 15.3 | 0.3 | 7.7 | 1.6 | 9.6 | 0.0 | 1.3 | 38.7 | 18.5 | 58.5 | 0.9 | 160.5 |
| 12/04/2006 | 16.7 | 15.8 | 0.6 | 2.4 | 1.6 | 4.6 | 0.0 | 0.0 | 43 | 20.4 | 63.4 | 1.0 | 230 |
| 27/04/2006 | 16.3 | 17 | 1.0 | 2 | 1.6 | 4.6 | 0.1 | 0.0 | 52.9 | 17.6 | 70.6 | 1.1 | 196.5 |
| 9/05/2006 | 15.7 | 17.5 | 0.7 | 2.3 | 1.6 | 4.6 | 0.7 | 0.1 | 46.2 | 17.2 | 64.2 | 0.9 | 233 |

| Date Collected | Temp. °C | Secchi (m) | DRP (mg m ⁻³) | DOP (mg m ⁻³) | PP (mg m ⁻³) | TP (mg m ⁻³) | NH ₄ -N (mg m ⁻³) | NO ₃ -N (mg m ⁻³) | DON (mg m ⁻³) | PN (mg m ⁻³) | TN (mg m ⁻³) | Chlorophyll <i>a</i> (mg m ⁻³) | PC (mg m ⁻³) |
|----------------|-------------|---------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|------------------------------|-----------------------------|-----------------------------|---|-----------------------------|
| 27/06/2006 | 11.9 | 15.2 | 0.8 | 3.2 | 1.9 | 5.9 | 0.8 | 1.3 | 61.9 | 23.2 | 87.2 | 2 | 243 |
| 11/07/2006 | 11.5 | 13.5 | 1.4 | 5.6 | 2.3 | 9.3 | 0.2 | 1.7 | 93.1 | 21 | 116 | 1.7 | 209 |
| 25/07/2006 | 11.1 | 12 | 1.0 | 0 | 2.1 | 3.1 | 0.9 | 7.4 | 48.7 | 17.6 | 74.6 | 2.8 | 192 |
| 4/09/2006 | 11.1 | 11 | 1.8 | 1.2 | 2.5 | 5.5 | 0.0 | 0.6 | 31.4 | 24.5 | 56.5 | 2.8 | 218 |
| 26/09/2006 | 11.9 | 17.5 | 1.0 | 0.8 | 2.3 | 4.1 | 0.0 | 0.1 | 39.9 | 18.6 | 58.6 | 0.8 | 347 |
| 18/10/2006 | 11.7 | 13 | 0.8 | 1.2 | 2.5 | 4.5 | 0.0 | 0.3 | 35.7 | 18.2 | 54.2 | 0.9 | 227.5 |
| 1/11/2006 | 12.4 | 14.5 | 0.3 | 2.7 | 2.4 | 5.4 | 0.0 | 0.0 | 41 | 19.4 | 60.4 | 0.8 | 203 |
| 5/12/2006 | 14.7 | 16 | 0.0 | 3 | 2 | 5 | 0.0 | 0.0 | 52 | 20.2 | 72.2 | 0.7 | 186 |
| 19/12/2006 | 15.6 | 15.5 | 0.2 | 1.8 | 1.8 | 3.8 | 1.0 | 0.1 | 48.9 | 15.4 | 65.4 | 0.7 | 150 |
| 9/01/2007 | 16.5 | 13.5 | 0.5 | 1.5 | 1.6 | 3.6 | 0.9 | 0.4 | 60.7 | 15 | 77 | 0.3 | 207 |
| 25/01/2007 | 18.5 | 14.5 | 0.6 | 0 | 1.6 | 2.2 | 1.5 | 0.5 | 59 | 18.6 | 79.6 | 0.3 | 212 |
| 8/02/2007 | 19.3 | 16 | 0.6 | 0 | 1.6 | 2.2 | 0.4 | 0.5 | 58.1 | 16.8 | 75.8 | 0.4 | 156 |
| 21/02/2007 | 19.6 | 18.2 | 0.4 | 0 | 1.8 | 2.2 | 0.8 | 0.5 | 68.3 | 24.4 | 94 | 0.3 | 182 |
| 21/03/2007 | 18.6 | 16.5 | 1.1 | 0 | 2.1 | 3.2 | 1.8 | 1.3 | 47.2 | 22.1 | 72.4 | 0.8 | 175 |
| 3/04/2007 | 18.0 | 19 | 0.9 | 6.1 | 1.8 | 8.8 | 0.6 | 0.3 | 66.9 | 23.8 | 91.6 | 0.7 | |
| 19/04/2007 | 16.5 | 16 | 0.9 | 3.1 | 2.7 | 6.7 | 2.4 | 1.0 | 69.6 | 29.2 | 102.2 | 0.6 | 193 |
| 8/05/2007 | 19.3 | 16 | 1.1 | 3.9 | 1.2 | 6.2 | 0.3 | 0.4 | 63.3 | 17.8 | 81.8 | 1.2 | 169 |
| 22/05/2007 | 15.2 | 18.5 | 0.7 | 2.3 | 1.3 | 4.3 | 2.0 | 0.5 | 53.5 | 15.4 | 71.4 | 0.8 | 201 |
| 14/06/2007 | 13.6 | 18 | 0.6 | 2.4 | 1.8 | 4.8 | 4.0 | 0.8 | 65.2 | 21.8 | 91.8 | 1 | 159 |
| 27/06/2007 | 12.4 | 18.5 | 0.8 | 0.2 | 3.6 | 4.6 | 2.1 | 1.4 | 45.5 | 25.8 | 74.8 | 1.2 | 162 |
| 18/07/2007 | 11.4 | 14.5 | 1.1 | 1.9 | 2.9 | 5.9 | 1.3 | 1.0 | 44.7 | 37.8 | 84.8 | 1.7 | |
| 8/08/2007 | 11.1 | 14 | 1.1 | 1.9 | 2.8 | 5.8 | 2.0 | 2.2 | 46.8 | 28.2 | 79.2 | 1.3 | 229 |
| 23/08/2007 | 11.0 | 13 | 0.8 | 2.2 | 2.5 | 5.5 | 0.4 | 0.4 | 39.2 | 30.3 | 70.3 | 2.2 | 202 |
| 11/09/2007 | 11.0 | 11 | 1 | 4 | 3.3 | 8.3 | 0 | 1 | 67 | 34.7 | 102.7 | 1.4 | 324 |
| 9/10/2007 | 12.1 | 15 | 1 | 1 | 2.6 | 4.6 | 1.4 | 1.5 | 59.1 | 23.8 | 85.8 | 0.8 | 184 |
| 30/10/2007 | 12.8 | 16 | 1.1 | 0.9 | 2.4 | 4.4 | 1.2 | 0.6 | 64.2 | 30.5 | 96.5 | 0.7 | 253 |
| 15/11/2007 | 13.5 | 14 | 1.8 | 2.2 | 2.1 | 6.1 | 1.8 | 0.3 | 53.9 | 24.8 | 80.8 | 0.5 | 262 |
| 4/12/2007 | 16.6 | 15 | 0.9 | 2.1 | 2 | 5 | 0.9 | 0.6 | 40.5 | 20.6 | 62.6 | 0.3 | 196 |
| 20/12/2007 | 17.4 | 17.5 | 1.1 | 2.9 | 1.1 | 5.1 | 0.2 | 0.4 | 44.4 | 17 | 62 | 0.6 | 112 |
| 17/01/2008 | 21.1 | 22.5 | 1 | 4 | 1.5 | 6.5 | 0.9 | 0.4 | 62.7 | 24.5 | 88.5 | 0.3 | 230 |
| 31/01/2008 | 19.8 | 21.5 | 0.5 | 1.5 | 1.3 | 3.3 | 1.5 | 0.3 | 75.2 | 17.6 | 94.6 | 0.3 | 190 |
| 14/02/2008 | 19.9 | 25 | 0.3 | 1.7 | 1.6 | 3.6 | 1.4 | 0.7 | 75.9 | 19.8 | 97.8 | 0.4 | 138 |
| 27/02/2008 | 19.3 | 22 | 0.1 | 1.9 | 1.6 | 3.6 | 0.7 | 0.2 | 70.1 | 20 | 91 | 0.4 | 143 |
| 13/03/2008 | 18.8 | 22 | 1 | 1 | 1.2 | 3.2 | 1.2 | 0.6 | 56.2 | 19.6 | 77.6 | 0.5 | 147 |
| 26/03/2008 | 19.3 | 19 | 1 | 0 | 0.9 | 1.9 | 0.4 | 0.5 | 63.1 | 17.1 | 81.1 | 0.5 | 160 |
| 17/04/2008 | 17.8 | 20.5 | 1.2 | 0.8 | 1.3 | 3.3 | 1.1 | 1 | 51.9 | 14.2 | 68.2 | 0.8 | 189 |
| 7/05/2008 | 15.7 | 16 | 0.7 | 2.3 | 1.5 | 4.5 | 1.3 | 0.3 | 60.4 | 21.1 | 83.1 | 0.6 | 189 |
| 22/05/2008 | 14.7 | 17 | 0.2 | 1.8 | 1.5 | 3.5 | 0.4 | 0.4 | 71.2 | 23.6 | 95.6 | 0.7 | 191 |
| 5/06/2008 | 13.6 | 15 | 1.3 | 0.7 | 1.6 | 3.6 | 1 | 2.1 | 29.9 | 17.5 | 50.5 | 1 | 177 |
| 19/06/2008 | 12.9 | 16.5 | 0.5 | 1.5 | 1.6 | 3.6 | 2 | 0.7 | 34.3 | 29.2 | 66.2 | 1.2 | 259 |
| 1/07/2008 | 12.0 | 14 | 0.9 | 2.1 | 2.15 | 5.15 | 0.6 | 0.7 | 50.7 | 34.6 | 86.6 | 1.7 | 242 |

| Date Collected | Temp. °C | Secchi (m) | DRP (mg m ⁻³) | DOP (mg m ⁻³) | PP (mg m ⁻³) | TP (mg m ⁻³) | NH ₄ -N (mg m ⁻³) | NO ₃ -N (mg m ⁻³) | DON (mg m ⁻³) | PN (mg m ⁻³) | TN (mg m ⁻³) | Chlorophyll <i>a</i> (mg m ⁻³) | PC (mg m ⁻³) |
|----------------|-------------|---------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|------------------------------|-----------------------------|-----------------------------|---|-----------------------------|
| 15/07/2008 | 11.4 | 13 | 1.3 | 1.7 | 2.7 | 5.7 | 0.0 | 0.9 | 38.1 | 26.5 | 65.5 | 1.9 | 193 |
| 7/08/2008 | 11.1 | 12.5 | 1.8 | 1.2 | 3.4 | 6.4 | 0.0 | 0.7 | 25.3 | 28.8 | 54.8 | 3.0 | 119 |
| 20/08/2008 | 10.7 | 12.5 | 1.3 | 1.7 | 2.1 | 5.1 | 0.7 | 0.6 | 24.7 | 25 | 51 | 1.5 | 179 |
| 4/09/2008 | 11.0 | 13 | 0.6 | 3.4 | 2 | 6 | 1.0 | 0.0 | 50 | 21.5 | 72.5 | 1.1 | 217 |
| 16/09/2008 | 11.3 | 14.5 | 1.4 | 2.6 | 2.1 | 6.1 | 2.2 | 0.5 | 28.3 | 24.3 | 55.3 | 0.7 | 202 |
| 14/10/2008 | 12.6 | 12.2 | 0.5 | 2.5 | 2.6 | 5.6 | 0.5 | 0.0 | 45.5 | 27.1 | 73.1 | 0.6 | 203 |
| 4/11/2008 | 13.4 | 12 | 1.0 | 4 | 2.5 | 7.5 | 3.2 | 0.5 | 35.3 | 28.5 | 67.5 | 0.9 | 140 |
| 26/11/2008 | 15.7 | 10 | 1.1 | 1.9 | 2.4 | 5.4 | 0.4 | 0.0 | 47.6 | 27.6 | 75.6 | 1 | 217 |
| 22/12/2008 | 18.8 | 12 | 0.3 | 1.7 | 2.3 | 4.3 | 1.8 | 0.0 | 53.2 | 35.2 | 90.2 | 0.6 | 245 |
| 13/01/2009 | 19.7 | 13 | 1.4 | 1.6 | 2.1 | 5.1 | 0.3 | 1.4 | 61.3 | 29.4 | 92.4 | 0.5 | 266 |
| 28/01/2009 | 20.9 | 18 | 0.4 | 4.6 | 1.8 | 6.8 | 0.0 | 3.8 | 52.2 | 27.6 | 83.6 | 0.3 | 204 |
| 11/02/2009 | 21.4 | 22 | 0.1 | 4.9 | 1.6 | 6.6 | 4.1 | 0.5 | 49.4 | 25.6 | 79.6 | 0.4 | 185.5 |
| 25/02/2009 | 20.5 | 20 | 0.5 | 2.5 | 1.6 | 4.6 | 2.7 | 0.4 | 37.9 | 21.3 | 62.3 | 0.5 | 186.5 |
| 26/03/2009 | 18.0 | 18.5 | 1.1 | 1.9 | 2.7 | 5.7 | 0.0 | 1.3 | 56.7 | 25.1 | 83.1 | 0.6 | 285 |
| 15/04/2009 | 16.6 | 18 | 1.5 | 2.5 | 3.4 | 7.4 | 1.1 | 0.7 | 60.8 | 22.7 | 85.3 | 0.8 | 240 |
| 7/05/2009 | 15.0 | 16 | 1.4 | 4.6 | 2.3 | 8.3 | 1.3 | 1.1 | 56.6 | 21.7 | 80.7 | 1.3 | 223 |
| 27/05/2009 | 13.0 | 15 | 1.2 | 4.8 | 1.5 | 7.5 | 0.0 | 0.6 | 58.4 | 16.7 | 75.7 | 1.2 | 190 |
| 18/06/2009 | 11.6 | 16 | 1.9 | 0.1 | 1.7 | 3.7 | 0.7 | 1.7 | 45.6 | 23.5 | 71.5 | 1.5 | 201 |
| 6/07/2009 | 10.9 | 15 | 2.8 | 1.2 | 2.4 | 6.4 | 0.1 | 8.1 | 46.8 | 23.4 | 78.4 | 1.6 | 190 |
| 13/08/2009 | 10.43 | 12 | 1.9 | 2.1 | 2.7 | 6.7 | 0.6 | 0.5 | 46.9 | 31.4 | 79.4 | 1.9 | 230 |
| 7/09/2009 | 10.56 | 15 | 4.2 | 0 | 2.9 | 7.1 | 0.1 | 0.6 | 54.3 | 32.3 | 87.3 | 1.5 | 301 |

| Date Collected | Temp. | Secchi | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | PN | TN | Chlorophyll <i>a</i> | Chl- <i>a</i> at 50m | PC |
|----------------|-------|--------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | °C | (m) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) | (mg m ⁻³) |
| 19/10/2009 | 11.72 | 13 | 4.2 | 0 | 2.7 | 6.9 | 0.5 | 1.1 | 42.4 | 23.4 | 67.4 | 0.6 | 0.8 | 282.5 |
| 12/11/2009 | 13.00 | 12.5 | 1.2 | 2.8 | 2.4 | 6.4 | 1.0 | 0.3 | 33.7 | 19.5 | 54.5 | 0.7 | 0.8 | 249 |
| 17/12/2009 | 16.99 | 15 | 0.9 | 2.1 | 1.4 | 4.4 | 0.0 | 0.7 | 58.3 | 21 | 80.0 | 0.7 | 0.8 | 239.5 |
| 13/01/2010 | 17.89 | 14.5 | 0.6 | 1.4 | 1.8 | 3.8 | 0.0 | 1.0 | 47 | 21.6 | 69.6 | 0.6 | 1.2 | 306.5 |
| 2/02/2010 | 19.23 | 16 | 0.7 | 2.3 | 1.7 | 4.7 | 0.0 | 0.1 | 55.9 | 28.3 | 84.3 | 0.8 | 1.2 | 274.5 |
| 18/02/2010 | 20.45 | 17 | 1.1 | 1.9 | 3.9 | 6.9 | 1.3 | 2.3 | 102.4 | 85.4 | 191.4 | 0.9 | 1.1 | 530 |
| 10/03/2010 | 20.10 | 19 | 0.8 | 2.2 | 1.3 | 4.3 | 0.0 | 4 | 58 | 19.1 | 81.1 | 0.4 | 0.9 | 158.5 |
| 8/04/2010 | 17.40 | 21.5 | 0.8 | 2.2 | 1.7 | 4.7 | 0.0 | 1.2 | 58.8 | 26 | 86.0 | 0.7 | 1.3 | 231 |
| 28/04/2010 | 16.38 | 19 | 1.2 | 1.8 | 2.5 | 5.5 | 0.3 | 1.1 | 61 | 39.6 | 101.6 | 0.9 | 1.3 | 262 |
| 20/05/2010 | 15.09 | 19.5 | 1.9 | 1.1 | 2.1 | 5.1 | 7.6 | 2.5 | 66.9 | 25.1 | 102.1 | 0.9 | 0.8 | 248 |
| 3/06/2010 | 14.11 | 14.5 | 0.9 | 2.1 | 1.8 | 4.8 | 1.1 | 0.1 | 44.8 | 13.7 | 59.7 | 1.1 | 0.7 | 141.5 |
| 23/06/2010 | 12.23 | 14 | 1.1 | 1.9 | 2.4 | 5.4 | 1.1 | 0.8 | 46.1 | 22.1 | 70.1 | 1.1 | 0.7 | 196.5 |
| 13/07/2010 | 11.31 | 14.5 | 1.5 | 7.5 | 2.3 | 11.3 | 0.9 | 1.0 | 52.1 | 27.9 | 81.9 | 1.7 | 0.8 | 217 |
| 10/08/2010 | 11.01 | 12.8 | 1.7 | 1.3 | 2.6 | 5.6 | 0.9 | 1.0 | 30.1 | 29.7 | 61.7 | 1.9 | 2.0 | 225 |
| 24/08/2010 | 10.92 | 11 | 1.6 | 1.4 | 1.5 | 4.5 | 0.6 | 0.5 | 30.9 | 34.5 | 66.5 | 2.4 | 2.5 | 244.5 |
| 13/09/2010 | 11.37 | 10.5 | 1.1 | 0.9 | 3.3 | 5.3 | 1.3 | 0.3 | 28.4 | 33.7 | 63.7 | 1.6 | 1.6 | 342.5 |
| 5/10/2010 | 11.90 | 10.8 | 3.1 | 0 | 2.5 | 5.6 | 2.0 | 2.3 | 28.7 | 22.8 | 55.8 | 0.9 | 1.6 | 269 |
| 26/10/2010 | 13.00 | 12.5 | 1.7 | 1.3 | 2.4 | 5.4 | 0.9 | 0.9 | 34.2 | 18.2 | 54.2 | 0.8 | 1.7 | 237 |
| 10/11/2010 | 13.98 | 11.5 | 0.8 | 2.2 | 2.3 | 5.3 | 0.5 | 0.3 | 59.2 | 21.1 | 81.1 | 0.7 | 1.8 | 250.5 |
| 25/11/2010 | 16.14 | 14.2 | 1.4 | 2.6 | 1.7 | 5.7 | 2.9 | 1.4 | 41.7 | 18 | 64.0 | 0.4 | 2.0 | 184.5 |
| 8/12/2010 | | 15.5 | 1.2 | 2.8 | 1.8 | 5.8 | 1.8 | 0.6 | 43.6 | 18.3 | 64.3 | 0.4 | 0.9 | 181 |
| 21/12/2010 | 18.41 | 17 | 0.8 | 3.2 | 1.8 | 5.8 | 5.7 | 0.4 | 66.9 | 41.4 | 114.4 | 0.4 | 0.9 | 259.5 |
| 11/01/2011 | 19.81 | 11 | 0.8 | 1.2 | 1.9 | 3.9 | 1.8 | 0.5 | 48.7 | 27.1 | 78.1 | 0.5 | 0.4 | 281.5 |
| 27/01/2011 | 19.69 | 17 | 1.0 | 1 | 1.7 | 3.7 | 1.4 | 0.7 | 45.9 | 21.5 | 69.5 | 0.4 | 0.7 | 178.5 |
| 17/02/2011 | 20.61 | 12 | 0.9 | 1.1 | 2.1 | 4.1 | 0.5 | 0.5 | 57 | 23.6 | 81.6 | 0.5 | 0.7 | 224 |
| 1/03/2011 | 20.41 | 19 | 0.5 | 2.5 | 1.5 | 4.5 | 0.7 | 0.9 | 48.4 | 19.9 | 69.9 | 0.6 | 0.3 | 150.5 |
| 15/03/2011 | 20.07 | 15 | 3.0 | 0 | 1.4 | 4.4 | 0.2 | 2.7 | 50.1 | 21.6 | 74.6 | 0.5 | 0.6 | 179.5 |
| 13/04/2011 | 17.62 | 17 | 3.1 | 0 | 1.5 | 4.6 | 0.0 | 0.8 | 64.2 | 24.7 | 89.7 | 0.8 | 0.6 | 223 |
| 10/05/2011 | 15.53 | 16.5 | 1.4 | 2.6 | 1.5 | 5.5 | 0.9 | 0.9 | 74.2 | 17.5 | 93.5 | 0.7 | 0.7 | 207 |
| 31/05/2011 | 14.05 | 17 | 1.2 | 0.8 | 1.6 | 3.6 | 0.3 | 0.8 | 44.9 | 22.5 | 68.5 | 0.9 | 0.6 | 166.5 |
| 22/06/2011 | 12.95 | 14 | 0.4 | 1.6 | 2 | 4 | 1.1 | 0.4 | 42.5 | 22 | 66 | 1.0 | 0.9 | 190.5 |
| 5/07/2011 | 12.13 | 13 | 1.0 | 1 | 1.8 | 3.8 | 0.0 | 0.2 | 41.8 | 28.8 | 70.8 | 1.3 | 1.2 | 233 |
| 9/08/2011 | 11.10 | 16 | 1.8 | 1.2 | 2.3 | 5.3 | 3.4 | 5.0 | 75.6 | 24.7 | 108.7 | 1.7 | 1.9 | 346 |
| 24/08/2011 | 10.86 | 9 | 1.6 | 1.4 | 2.8 | 5.8 | 1.0 | 0.2 | 86.8 | 39.2 | 127.2 | 1.6 | 2.1 | 311 |
| 7/09/2011 | 11.22 | 16 | 0.6 | 3.4 | 1.8 | 5.8 | 2.0 | 1.1 | 44.9 | 23.2 | 71.2 | 0.8 | 1.4 | 198 |
| 28/09/2011 | 10.96 | 13 | 1.0 | 2 | 2.9 | 5.9 | 2.0 | 0.8 | 59.2 | 32.1 | 94.1 | 1.2 | 1.5 | 341 |
| 26/10/2011 | 13.00 | 14 | 0.6 | 3.4 | 1.7 | 5.7 | 0.7 | 0.0 | 42.3 | 25.5 | 68.5 | 0.5 | 1.2 | 227 |
| 8/11/2011 | 14.12 | 14 | 1.1 | 2.9 | 1.2 | 5.2 | 1.3 | 3.0 | 60.7 | 13.3 | 78.3 | 0.4 | 1.0 | 210 |

| Date Collected | Temp. °C | Secchi (m) | DRP (mg m ⁻³) | DOP (mg m ⁻³) | PP (mg m ⁻³) | TP (mg m ⁻³) | NH ₄ -N (mg m ⁻³) | NO ₃ -N (mg m ⁻³) | DON (mg m ⁻³) | PN (mg m ⁻³) | TN (mg m ⁻³) | Chlorophyll <i>a</i> (mg m ⁻³) | Chl- <i>a</i> at 50m (mg m ⁻³) | PC (mg m ⁻³) |
|----------------|-------------|---------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|------------------------------|-----------------------------|-----------------------------|---|---|-----------------------------|
| 22/11/2011 | 14.57 | 18 | 1.1 | 1.9 | 2.1 | 5.1 | 1.2 | 0.0 | 44.8 | 28.1 | 74.1 | 0.7 | 0.9 | 202 |
| 8/12/2011 | 16.80 | 18.5 | 0.9 | 2.1 | 1.7 | 4.7 | 3.3 | 0.8 | 58.9 | 27.3 | 90.3 | 0.6 | 1.0 | 292 |
| 22/12/2011 | 18.22 | 13 | 0.6 | 0.4 | 1.6 | 2.6 | 2.0 | 2.4 | 63.6 | 22.9 | 90.9 | 0.5 | 0.9 | 323 |
| 12/01/2012 | 19.15 | 16.5 | 1.3 | 0.7 | 1.8 | 3.8 | 4.9 | 0.3 | 53.8 | 42.8 | 101.8 | 0.4 | 1.0 | 304 |
| 26/01/2012 | 19.02 | 15 | 0.9 | 2.1 | 1.4 | 4.4 | 3.7 | 0.5 | 41.8 | 29.4 | 75.4 | 0.5 | 0.9 | 245 |
| 16/02/2012 | | 16 | 0.6 | 1.4 | 1.6 | 3.6 | 2.5 | 0.7 | 55.8 | 22.5 | 81.5 | 0.6 | 0.8 | 235 |
| 7/03/2012 | 18.17 | 16 | 0.7 | 1.3 | 1.6 | 3.6 | 0.8 | 1.0 | 54.2 | 24.5 | 80.5 | 0.6 | 1.2 | 230 |
| 10/04/2012 | 16.78 | 17 | 0.9 | 1.1 | 2.5 | 4.5 | 1.9 | 2.3 | 54.8 | 26.5 | 85.5 | 0.8 | 1.0 | 221 |
| 7/05/2012 | 15.06 | 17 | 0.8 | 2.2 | 1.5 | 4.5 | 2.7 | 0.8 | 73.5 | 20.1 | 97.1 | 0.7 | 1.0 | 235 |
| 30/05/2012 | 13.41 | 17 | 3.3 | 1.7 | 2.2 | 7.2 | 3.4 | 0.9 | 59.7 | 31.6 | 95.6 | 1.1 | 0.8 | 200 |
| 14/06/2012 | 12.64 | 14 | 2.0 | 3 | 1.8 | 6.8 | 2.6 | 0.1 | 54.3 | 30.1 | 87.1 | 1.0 | 0.8 | 218 |
| 2/07/2012 | 11.63 | 15.5 | 2.3 | 0 | 1.7 | 4 | 2.8 | 2.3 | 91.9 | 22.5 | 119.5 | 1.2 | 1.8 | 215 |
| 18/07/2012 | 11.44 | 17 | 2.2 | 1.5 | 2.1 | 5.8 | 2.3 | 1.3 | 54.4 | 34.5 | 92.5 | 1.3 | 1.7 | 284 |
| 1/08/2012 | 10.85 | 17 | 3.7 | 1.3 | 1.9 | 6.9 | 0.8 | 8.8 | 56.4 | 22.3 | 88.3 | 1.5 | 1.5 | 140 |
| 17/08/2012 | 11.06 | 14 | 2.2 | 1.6 | 2.5 | 6.3 | 2.6 | 1.8 | 48.6 | 28.2 | 81.2 | 1.4 | 1.2 | 190 |
| 29/08/2012 | | | 1.4 | 2.6 | 1.8 | 5.8 | 4.9 | 1.7 | 56.4 | 30.6 | 93.6 | 1.3 | 1.0 | 252 |
| 20/09/2012 | 11.14 | 13 | 3.4 | 0 | 4.0 | 7.4 | 0.6 | 0.4 | 53 | 39.0 | 93 | 1.1 | 1.6 | 576 |
| 4/10/2012 | 11.45 | 12.5 | 2.1 | 0.9 | 2.6 | 5.6 | 0.4 | 1.1 | 51.5 | 26.3 | 79.3 | 1.2 | 2.1 | 269 |
| 24/10/2012 | 12.25 | 13.6 | 1.8 | 1.2 | 2.4 | 5.4 | 1.0 | 0.6 | 45.4 | 28.1 | 75.1 | 1.0 | 1.3 | 265 |
| 8/11/2012 | 13.44 | 17 | 1.2 | 2.8 | 1.8 | 5.8 | 1.3 | 0.6 | 41.1 | 17.7 | 60.7 | 0.5 | 1 | 173 |
| 22/11/2012 | 16.44 | 18 | 0.9 | 3.1 | 1.6 | 5.6 | 2.1 | 0.3 | 57.6 | 21.2 | 81.2 | 0.4 | 1 | 201 |
| 6/12/2012 | 14.96 | 19 | 0.7 | 1.3 | 2.3 | 4.3 | 0.6 | 0.8 | 44.6 | 23.5 | 69.45 | 0.6 | 0.9 | 148 |
| 19/12/2012 | 17.75 | 19 | 1.0 | 2 | 1.6 | 4.6 | 1.9 | 2.5 | 95.6 | 28.9 | 128.85 | 0.6 | 1.7 | 222 |
| 23/01/2013 | 19.00 | 15.8 | 0.3 | 1.7 | 1.5 | 3.5 | 0.5 | 0.1 | 53.4 | 22.3 | 76.3 | 0.6 | 0.9 | 273 |
| 7/02/2013 | 18.81 | 15 | 0.2 | 1.8 | 1.9 | 3.9 | 1.3 | 0.4 | 83.3 | 42.8 | 127.8 | 0.6 | 1.1 | 333 |
| 21/02/2013 | 20.41 | 19 | 1.1 | 0.9 | 2.1 | 4.1 | 3.7 | 0.5 | 87.8 | 27.5 | 119.5 | 0.3 | 1.1 | 242 |
| 6/03/2013 | 20.00 | 21 | 1.0 | 2 | 1.8 | 4.8 | 5.0 | 1.0 | 113 | 35.6 | 154.6 | 0.6 | 1 | 253 |
| 20/03/2013 | 19.5 | 14 | 0.2 | 2.7 | 2.4 | 5.3 | 4.1 | 0.2 | 86.7 | 39.8 | 130.8 | 0.7 | 0.7 | 543 |
| 4/04/2013 | 19.57 | 18 | 1.3 | 2.7 | 2.9 | 6.9 | 3.3 | 0.6 | 100.1 | 39.3 | 143.3 | 1 | 0.7 | 300 |
| 22/04/2013 | 17.48 | 14.7 | 6.4 | 2.6 | 2.7 | 11.7 | 2.0 | 2.9 | 73.1 | 36.9 | 114.9 | 1.4 | 0.7 | 300 |
| 7/05/2013 | 16.50 | 14.3 | 2.4 | 1.6 | 2.6 | 6.6 | 5.0 | 1.1 | 127.9 | 60.1 | 194.1 | 1.5 | 0.2 | 398 |
| 23/05/2013 | 15.25 | 15 | 1.3 | 2.7 | 3 | 7 | 1.4 | 0.6 | 76 | 51.8 | 129.8 | 1.4 | 0.5 | 345 |
| 6/06/2013 | 14.00 | 14.5 | 1.1 | 2.9 | 2 | 6 | 2.5 | 1.0 | 95.5 | 41.3 | 140.3 | 1.7 | 0.5 | 363 |
| 19/06/2013 | 13.20 | 15.0 | 1.2 | 0.8 | 2.1 | 4.1 | 1.9 | 0.5 | 80.6 | 37.8 | 120.8 | 1.2 | 1.2 | 318 |
| 22/07/2013 | 11.50 | 14 | 1.2 | 1.5 | 2.5 | 5.2 | 4.0 | 5.6 | 70.4 | 24.4 | 104.4 | 1.6 | 1.8 | 242 |
| 6/08/2013 | 11.54 | 12 | 1.4 | 0.6 | 3.5 | 5.5 | 2.4 | 0.6 | 51.0 | 31 | 85 | 1.9 | 1.7 | 223 |
| 21/08/2013 | 11.21 | 12.8 | 3.1 | 0.9 | 3.1 | 7.1 | 2.9 | 3.5 | 60.6 | 41.4 | 60.6 | 1.9 | 1.9 | 354.5 |
| 3/09/2013 | 11.20 | 11.5 | 2.8 | 2.3 | 3.7 | 8.8 | 2.6 | 1.1 | 89.3 | 50.1 | 143.1 | 2.3 | 2.4 | 417 |
| 18/09/2013 | 11.56 | 12 | 2.2 | 2.4 | 3.2 | 7.8 | 4.8 | 0.6 | 76.6 | 36.9 | 118.9 | 1.8 | 2.2 | 166 |

| Date Collected | Temp. °C | Secchi (m) | DRP (mg m ⁻³) | DOP (mg m ⁻³) | PP (mg m ⁻³) | TP (mg m ⁻³) | NH ₄ -N (mg m ⁻³) | NO ₃ -N (mg m ⁻³) | DON (mg m ⁻³) | PN (mg m ⁻³) | TN (mg m ⁻³) | Chlorophyll <i>a</i> (mg m ⁻³) | Chl- <i>a</i> at 50m (mg m ⁻³) | PC (mg m ⁻³) |
|----------------|-------------|---------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|------------------------------|-----------------------------|-----------------------------|---|---|-----------------------------|
| 2/10/2013 | 11.73 | 12 | 4.5 | 0.5 | 3.1 | 8.1 | 1.5 | 0.2 | 62.3 | 33.3 | 97.3 | 1.7 | 2.1 | 295 |
| 21/10/2013 | 12.81 | 11 | 3.3 | 0.7 | 3.5 | 7.5 | 3.1 | 1.9 | 61 | 32.9 | 98.9 | 1.1 | 1.8 | 254 |
| 7/11/2013 | 13.53 | 10 | 3.0 | 3 | 3.6 | 9.6 | 1.6 | 0.7 | 63.7 | 48 | 114 | 1.3 | 1.4 | 380.5 |
| 20/11/2013 | 16.69 | 9 | 1.3 | 3.7 | 3 | 8 | 2.2 | 0.3 | 74.5 | 41.2 | 118.2 | 0.9 | 0.7 | 356.5 |
| 2/12/2013 | 17.41 | 10 | 1.1 | 3.9 | 3.1 | 8.1 | 2.5 | 0.4 | 56.1 | 38.5 | 97.5 | 1.2 | 0.9 | 305.5 |
| 8/01/2014 | 18.54 | 12 | 1.4 | 3.6 | 2 | 7.0 | 5.7 | 0.5 | 121.8 | 39.6 | 167.6 | 1.1 | 1.1 | 347.5 |
| 28/01/2014 | 18.06 | 13 | 1.7 | 1.3 | 1.3 | 4.3 | 3.4 | 1.4 | 117.2 | 19.8 | 141.8 | 1.0 | 0.8 | 289 |
| 12/02/2014 | 18.55 | 13.5 | 1.4 | 2.6 | 2.8 | 6.8 | 6.8 | 0.7 | 110 | 43.4 | 160.9 | 0.9 | 0.8 | 382 |
| 25/02/2014 | 19.16 | 15 | 0.2 | 2.8 | 2.35 | 5.4 | 2.9 | 0.3 | 76 | 27.7 | 106.9 | 0.8 | 0.9 | 256.5 |
| 12/03/2014 | 19.05 | 18 | 0.4 | 2.6 | 2.45 | 5.5 | 11.8 | 0.9 | 163.4 | 34.9 | 210.9 | 0.7 | 1.1 | 267 |
| 27/03/2014 | 18.21 | 14.5 | 0.9 | 3.1 | 2.2 | 6.2 | 1.9 | 0.9 | 92.2 | 33.8 | 128.8 | 1.0 | 1.1 | 375 |
| 9/04/2014 | 18.60 | 16.5 | 1.0 | 2 | 1.9 | 4.9 | 6.1 | 0.8 | 113.1 | 28.8 | 148.8 | 0.9 | 0.8 | 297.5 |
| 23/04/2014 | 17.42 | 14.8 | 1.2 | 1.8 | 1.8 | 4.8 | 1.3 | 1.1 | 88.6 | 20.5 | 111.5 | 1.1 | 0.8 | 213 |
| 8/05/2014 | 16.32 | 17.7 | 0.8 | 2.2 | 1.8 | 4.8 | 0.7 | 0.3 | 50 | 22.9 | 73.9 | 1.0 | 0.6 | 210.5 |
| 20/05/2014 | 15.41 | 16 | 0.5 | 2.5 | 1.6 | 4.6 | 2.4 | 0.2 | 52.4 | 18.1 | 73.1 | 0.9 | 0.6 | 228 |
| 5/06/2014 | 14.01 | 12 | 1.1 | 1.9 | 1.9 | 4.9 | 1.3 | 0.4 | 71.3 | 28.5 | 101.5 | 1.1 | 0.8 | 318.5 |
| 19/06/2014 | 13.38 | 14 | 0.6 | 2.4 | 2.15 | 5.2 | 3.7 | 0.9 | 65.4 | 32.6 | 102.6 | 1.5 | 1.6 | 292 |
| 1/07/2014 | 12.86 | 12.75 | 0.9 | 2.1 | 2 | 5 | 2.0 | 3.0 | 67.0 | 26.7 | 98.7 | 1.6 | 1.9 | 222 |
| 21/07/2014 | 11.76 | 15.5 | 2.4 | 1.6 | 1.8 | 5.8 | 2.7 | 7.6 | 38.7 | 24.6 | 73.6 | 1.7 | 1.1 | 221 |
| 1/08/2014 | | | 2.2 | 1.8 | 3.5 | 7.5 | 1.5 | 1.8 | 64.7 | 45 | 113 | 2.7 | 2.8 | 353.5 |
| 26/08/2014 | 11.51 | 11 | 1.5 | 1.5 | 3.4 | 6.4 | 4.0 | 0.8 | 132.2 | 46.6 | 183.6 | 2.0 | 3.2 | 350.5 |
| 9/09/2014 | 12.08 | 11.25 | 0.7 | 2.3 | 3.0 | 6 | 1.0 | 3.2 | 47.8 | 27.5 | 79.5 | 3.8 | 3.4 | 336.5 |
| 8/10/2014 | 11.15 | 14 | 1.1 | 1.9 | 1.5 | 4.5 | 2.7 | 0.9 | 54.4 | 19.7 | 77.7 | 1.4 | 1.5 | 413 |
| 20/10/2014 | 12.91 | 13 | 0.8 | 2.2 | 0.75 | 3.8 | 5.1 | 0.4 | 78.5 | 19.5 | 103.5 | 0.9 | 1.7 | 238.5 |
| 5/11/2014 | 13.34 | 15 | 1.6 | 0.4 | 0.9 | 2.9 | 2.9 | 1.8 | 37.3 | 10.3 | 52.3 | 0.8 | 0.9 | 166.5 |
| 25/11/2014 | 14.64 | 12 | 1.6 | 1.4 | 1.3 | 4.3 | 2.9 | 0.4 | 74.7 | 20.3 | 98.3 | 0.4 | 0.6 | 222.5 |
| 17/12/2014 | 15.42 | 15 | 0.6 | 2.5 | 1.55 | 4.65 | <1 | <0.5 | 52.5 | 17 | 71 | 0.41 | 0.615 | 169 |
| 15/01/2015 | 20.36 | 16 | 1 | 2 | 1.475 | 4.475 | 6 | 1 | 45.0 | 23.25 | 75.25 | 0.515 | 0.71 | 237 |
| 29/01/2015 | 20.91 | 17.25 | <0.5 | 3.5 | 1.6 | 5.6 | 4 | <0.5 | 71.5 | 37.5 | 113.5 | 0.41 | 0.55 | 215.5 |
| 12/02/2015 | 19.47 | 17 | 0.6 | 1.4 | 1.2 | 3.2 | 1.2 | 0.2 | 51.6 | 15.2 | 68.2 | 0.6 | 1.2 | 220 |
| 26/02/2015 | 20.00 | 18 | 0.8 | 1.2 | 2 | 4.0 | 7.5 | 0.0 | 149.5 | 25.75 | 182.75 | 0.5 | 0.7 | 199 |
| 9/03/2015 | 20.08 | 18 | 1.0 | 2 | 1.7 | 4.7 | 7.5 | 1.1 | 85.4 | 27.55 | 121.55 | 0.6 | 1.1 | 254.5 |
| 25/03/2015 | 19.10 | 18 | 1.0 | 2 | 2 | 5 | 0.0 | 1.3 | 64.7 | 26.5 | 92.5 | 0.6 | 0.6 | 282.5 |
| 9/04/2015 | no profile | | 0.8 | 1.2 | 1.3 | 3.3 | 3.6 | 0.2 | 103.2 | 16.95 | 123.95 | 0.9 | 1.0 | 233 |
| 22/04/2015 | 17.10 | 17.25 | 0.6 | 2.4 | 2.3 | 5.3 | 1.3 | 0.5 | 77.2 | 26.45 | 105.45 | 1.0 | 1.1 | 243.5 |
| 12/05/2015 | 15.70 | 13 | 1.1 | 2.9 | 2.8 | 6.8 | 3.7 | 1.0 | 98.3 | 51.2 | 154.2 | 1.1 | 0.84 | 340 |
| 27/05/2015 | 13.90 | 12 | 1.5 | 1.5 | 2.25 | 5.25 | 3.2 | 0.6 | 91.2 | 33.3 | 128.3 | 1.2 | 1.205 | 269 |
| 18/06/2015 | 12.30 | 16.25 | 1.8 | 1.2 | 2.15 | 5.15 | 3.7 | 0.7 | 89.6 | 36.8 | 130.8 | 1.3 | 1.2 | 230.5 |
| 2/07/2015 | 11.59 | 14.25 | 1.7 | 2.3 | 2.85 | 6.85 | 6.8 | 1.5 | 95.7 | 55.55 | 159.55 | 1.7 | 0.8 | 433.5 |
| 30/07/2015 | 11.04 | 13.00 | 2.3 | 1.7 | 3.05 | 7.05 | 0.8 | 1.0 | 35.2 | 37.55 | 74.55 | 2.7 | NA | 202.5 |
| 13/08/2015 | 10.86 | 10.00 | 1.6 | 3.4 | 3.15 | 8.15 | 3.4 | 1.7 | 58.9 | 38.3 | 102.3 | 2.2 | 2.4 | 244 |

| Date Collected | Temp. °C | Secchi (m) | DRP (mg m ⁻³) | DOP (mg m ⁻³) | PP (mg m ⁻³) | TP (mg m ⁻³) | NH ₄ -N (mg m ⁻³) | NO ₃ -N (mg m ⁻³) | DON (mg m ⁻³) | PN (mg m ⁻³) | TN (mg m ⁻³) | Chlorophyll <i>a</i> (mg m ⁻³) | Chl- <i>a</i> at 50m (mg m ⁻³) | PC (mg m ⁻³) |
|----------------|-------------|---------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|------------------------------|-----------------------------|-----------------------------|---|---|-----------------------------|
| 27/08/2015 | 10.78 | 12.50 | 1.7 | 2.0 | 2.25 | 5.95 | 1.6 | 0.1 | 46.3 | 21.4 | 69.4 | 1.2 | 1.6 | 161.5 |
| 17/09/2015 | 10.79 | 18.5 | 1.9 | 1.7 | 2.35 | 5.95 | 0 | 3.9 | 51.1 | 22.85 | 77.85 | 1.33 | 1.23 | 233 |
| 1/10/2015 | 11.84 | 17.25 | 1.2 | 1.8 | 2.2 | 5.2 | 0 | 0.1 | 52.9 | 20.2 | 73.2 | 0.77 | 1.09 | 235.5 |
| 15/10/2015 | 12.33 | 14.5 | 1.3 | 1.7 | 1.6 | 4.6 | 0.1 | 0.1 | 52.8 | 15.5 | 68.5 | 0.37 | 1.11 | 145.5 |
| 2/11/2015 | 13.42 | 16 | 1.8 | 2.2 | 1.75 | 5.75 | 4.6 | 1.6 | 97.8 | 24.3 | 128.3 | 0.455 | 0.8 | 205 |
| 19/11/2015 | 13.96 | 14 | 1.1 | 2.9 | 1.9 | 5.9 | 0.4 | 0.5 | 55.1 | 22.65 | 78.65 | 0.605 | 1.375 | 198.5 |
| 1/12/2015 | 16.27 | 14.5 | 1.1 | 1.9 | 2.25 | 5.25 | 1.2 | 0.8 | 50 | 20.25 | 72.25 | 0.38 | 1.03 | 196.5 |
| 7/01/2016 | 18.30 | 18 | 0.8 | 2.2 | 1.6 | 4.6 | 1.2 | 0.4 | 59.4 | 21.4 | 82.4 | 0.385 | 0.715 | 184 |
| 21/01/2016 | 19.68 | 14 | 1.1 | 2.6 | 1.5 | 5.2 | 2.9 | 0.6 | 117.5 | 35.2 | 156.2 | 0.48 | 0.685 | 280.5 |
| 3/02/2016 | 22.21 | 18 | 3.3 | -0.3 | 1.4 | 4.4 | 3.7 | 0.4 | 85.9 | 28.75 | 118.75 | 0.335 | 0.82 | 281.5 |
| 16/02/2016 | 22.25 | 17 | 1.2 | 1.4 | 1.6 | 4.2 | 2.8 | 0.3 | 56.9 | 26.6 | 86.6 | 0.4 | 0.8 | 242 |
| 9/03/2016 | 20.67 | no secchi | 1.8 | 2.2 | 0.95 | 4.95 | 0.5 | 0.2 | 45.3 | 9.85 | 55.85 | 0.555 | 0.72 | 86.5 |
| 22/03/2016 | 19.79 | 17 | 1.9 | 2.1 | 1.95 | 5.95 | 1.6 | 0.5 | 66.9 | 19.3 | 88.3 | 0.635 | 0.845 | 121 |
| 7/04/2016 | 19.02 | 15 | 0.515 | 3.185 | 1.7 | 5.4 | 8.05 | 0.2 | 111.7 | 20 | 140 | 0.78 | 0.77 | 243 |
| 19/04/2016 | 18.31 | 14.75 | 0.9 | 1.1 | 2.15 | 4.15 | 2.4 | 0.5 | 84.1 | 28.7 | 115.7 | 0.8 | 0.9 | 288 |
| 5/05/2016 | 17.11 | 14.2 | 0.6 | 1.4 | 1.9 | 3.9 | 0.8 | 0.3 | 65.9 | 25.05 | 92.05 | 1.05 | 0.74 | 278.5 |
| 2/06/2016 | 14.63 | 14.3 | 0.8 | 1.2 | 1.85 | 3.85 | 1.5 | 0.2 | 65.3 | 22.25 | 89.25 | 1.1 | 0.965 | 266.35 |
| 6/07/2016 | 12.56 | 13 | 1.5 | 3.5 | 2.75 | 7.8 | 1.5 | 0.5 | 64.0 | 27.5 | 93.5 | 1.4 | 0.2 | 264.5 |
| 27/07/2016 | 11.53 | 12 | 1.3 | 2.7 | 2.35 | 6.35 | 3.1 | 0.6 | 55.3 | 28.4 | 87.4 | 1.4 | 1.46 | |
| 10/08/2016 | 11.01 | 13 | 2.5 | 1.5 | 2.20 | 6.2 | 0.2 | 3.6 | 55.2 | 20.1 | 79.1 | 1.7 | 1.68 | |
| 23/08/2016 | 10.95 | 12.25 | 1.6 | 2.4 | 3.05 | 7.1 | 0.0 | 0.5 | 57.5 | 27.9 | 85.9 | 1.9 | 1.72 | 205.50 |
| 12/09/2016 | 11.17 | 14.5 | 2.3 | 2.7 | 3.10 | 8.1 | 4 | 1 | 105.0 | 33.6 | 143.6 | 1.27 | 1.85 | 387.50 |
| 27/09/2016 | 11.59 | 15.5 | 1.2 | 1.8 | 2.10 | 5.1 | 5.0 | 0.9 | 79.1 | 33.5 | 118.5 | 0.5 | 0.87 | 223.83 |
| 12/10/2016 | 12.44 | 15 | 1.2 | 2.4 | 2.85 | 6.5 | 1.2 | 0.4 | 53.4 | 25.5 | 80.5 | 0.5 | 1.10 | 178.00 |
| 1/11/2016 | 13.54 | 12 | 1.3 | 0.7 | 2.35 | 4.4 | 0.0 | 0.3 | 56.7 | 30.7 | 87.7 | 0.5 | 0.73 | 234.50 |
| 22/11/2016 | 14.41 | 12.5 | 0.6 | 0.4 | 2.30 | 3.3 | 1.3 | 0.4 | 71.3 | 33.5 | 106.5 | 0.8 | 0.98 | 238.00 |
| 7/12/2016 | 16.49 | 15 | 0.7 | 2.3 | 2.30 | 5.3 | 0.9 | 0.6 | 60.5 | 36.3 | 98.3 | 0.6 | 0.96 | 255.50 |
| 26/01/2017 | 17.26 | 15 | 0.7 | 5.3 | 1.85 | 7.85 | 2.2 | 0.4 | 65.4 | 26.2 | 94.2 | 0.605 | 0.79 | 267.96 |
| 16/02/2017 | 18.66 | 16 | 0.7 | 5.3 | 1.75 | 7.75 | 1.7 | 0.8 | 58.5 | 24.2 | 85.2 | 0.485 | 0.66 | 664.00 |
| 1/03/2017 | 20.48 | 16 | 0.7 | 1.9 | 1.35 | 3.95 | 1.9 | 1.1 | 57.0 | 24.1 | 84.1 | 0.435 | 0.65 | 221.00 |
| 16/03/2017 | 19.42 | 16.25 | 0.6 | 2.4 | 1.85 | 4.85 | 1.7 | 0.7 | 72.6 | 27.7 | 102.7 | 0.475 | 0.77 | 267.00 |
| 28/03/2017 | 18.96 | 16.5 | 0.3 | 1.7 | 1.6 | 3.6 | 2.2 | 0.3 | 62.5 | 22.25 | 87.25 | 0.545 | 0.58 | 242.50 |
| 18/04/2017 | 17.88 | 12.3 | 0.8 | 2.2 | 2.25 | 5.25 | 2.5 | 0.4 | 61.1 | 32.45 | 96.45 | 1.04 | 0.64 | 233.00 |
| 3/05/2017 | 16.73 | 13 | 0.8 | 1.2 | 1.9 | 3.9 | 2.2 | 1.5 | 63.3 | 29.25 | 96.25 | 1.42 | 0.51 | 267.50 |
| 16/05/2017 | 15.315 | 10.25 | 0.5 | 2.5 | 2.00 | 5 | 1.3 | 0.3 | 56.4 | 26.05 | 84.05 | 1.04 | 0.40 | 328.00 |
| 29/05/2017 | 14.607 | 11 | 0.7 | 2.3 | 1.85 | 4.85 | 6.4 | 0.5 | 66.1 | 28.05 | 101.05 | 1.02 | 0.41 | 243.00 |
| 15/06/2017 | 13.106 | 12.5 | 0.7 | 1.3 | 2.15 | 4.15 | 2.3 | 0.5 | 46.2 | 23.5 | 72.5 | 1.08 | 1.13 | 201.00 |
| 28/06/2017 | 12.5 | 14.5 | 0.4 | 1.6 | 2 | 4 | 2.5 | 0.6 | 57.9 | 23.8 | 84.8 | 1.14 | 1.07 | 265.00 |

| Date Collected | Temp. °C | Secchi m | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH4-N mg m ⁻³ | NO3-N mg m ⁻³ | DON mg m ⁻³ | PN mg m ⁻³ | TN mg m ⁻³ | Chlorophyll a mg m ⁻³ | Chl-a 50m mg m ⁻³ | PC mg m ⁻³ |
|----------------|-------------|-------------|---------------------------|---------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|---------------------------------|--------------------------|
| 18/07/2017 | 11.66 | 12.0 | <1 | 2 | 2.4 | 4.9 | 1.2 | <1 | 50.3 | 29.5 | 81.5 | 1.9 | 1.8 | 170 |
| 7/08/2017 | 11.24 | 10.8 | 1.3 | 1.7 | 2.7 | 5.7 | 2.8 | 3.3 | 41.9 | 26.4 | 74.4 | 1.9 | 1.9 | 212 |
| 21/08/2017 | 11.33 | 9.3 | 1.5 | 1.5 | 2.55 | 5.6 | 0.4 | 0.1 | 45.5 | 26.4 | 72.4 | 3.7 | 4.0 | 223 |
| 27/09/2017 | 11.62 | 9.5 | 0.9 | 2.4 | 2.35 | 5.7 | 0.7 | 0.2 | 51.1 | 22.2 | 74.2 | 2.9 | 3.6 | 249 |
| 31/10/2017 | 13.72 | 10.3 | 1.7 | 1.6 | 2.6 | 5.9 | 1.7 | 1.0 | 73.3 | 41.3 | 117.3 | 0.9 | 1.1 | 350 |
| 14/11/2017 | 14.54 | 13.0 | 1.2 | 0.8 | 1.45 | 3.5 | 3.0 | 2.1 | 45.9 | 18.5 | 69.5 | 0.4 | 1.5 | 196 |
| 27/11/2017 | | 13.5 | 1.1 | 1.9 | 1.95 | 5.0 | 1.6 | 0.9 | 53.5 | 23.2 | 79.2 | 0.5 | 1.8 | 211 |
| 9/01/2018 | 18.76 | 17.0 | 0.3 | 2.7 | 2 | 5.0 | 5.5 | 2.0 | 56.5 | 22.1 | 86.1 | 0.3 | 0.6 | 187 |
| 24/01/2018 | 21.02 | 15.3 | 0.7 | 2.3 | 1.35 | 4.4 | 9.7 | 0.2 | 58.1 | 23.5 | 91.5 | 0.4 | 0.6 | 237 |
| 19/02/2018 | 22.04 | 11.3 | 1.1 | 0.9 | 1.55 | 3.6 | 3.0 | 1.4 | 70.6 | 29.5 | 104.5 | 0.7 | 0.8 | 851 |
| 22/03/2018 | 19.87 | 13.8 | <1 | 1.5 | 1.8 | 3.8 | 4.0 | 0.5 | 64.5 | 25.3 | 94.3 | 0.6 | 0.7 | 555 |
| 5/04/2018 | 18.83 | 19.0 | <1 | 1.5 | 1.45 | 3.5 | 5.0 | 2.0 | 49.0 | 20.4 | 76.4 | 1.3 | 0.9 | 247 |
| 1/05/2018 | 15.94 | | 0.22 | 2.0 | 1.45 | 3.7 | 6.2 | 0.3 | 44.5 | 25.9 | 76.9 | 1.0 | 0.5 | 369 |
| 31/05/2018 | 13.26 | 16.0 | 0.5 | 1.8 | 1.45 | 3.8 | 2.0 | 0.0 | 59.0 | 32.4 | 93.4 | 1.3 | 0.2 | 305 |
| 19/06/2018 | 12.55 | 14.0 | 1.2 | 0.8 | 1.8 | 3.8 | 3.0 | 2.1 | 75.9 | 25.7 | 106.7 | 1.5 | 0.4 | 172 |
| 5/07/2018 | 11.79 | 12.5 | 1.2 | 1.0 | 2.5 | 4.7 | 2.4 | 0.5 | 52.1 | 25.4 | 80.4 | 2.2 | 2.6 | 333 |
| 25/07/2018 | 11.39 | 15.0 | 1.0 | 1.2 | 2.1 | 4.3 | 2.9 | 1.8 | 42.3 | 21.3 | 68.3 | 2.4 | 2.6 | 205 |
| 11/09/2018 | 11.93 | | 0.6 | 2.4 | 2.9 | 5.9 | 1.4 | 2.2 | 62.4 | 43.7 | 109.7 | 1.3 | 2.6 | 514 |
| 16/10/2018 | 12.67 | 12.0 | 0.2 | 2.0 | 2.1 | 4.3 | 1.0 | 1.5 | 43.5 | 15.4 | 61.4 | 0.8 | 0.7 | 199 |
| 31/10/2018 | 13.86 | 15.0 | 0.5 | 1.5 | 1.4 | 3.4 | 1.4 | 0.3 | 35.3 | 13.1 | 50.1 | 0.3 | 0.5 | 241 |
| 20/11/2018 | 16.47 | 15.0 | 0.5 | 1.5 | 1.4 | 3.4 | 0.2 | 0.4 | 43.4 | 15.0 | 59.0 | 0.6 | 0.3 | 191 |
| 10/12/2018 | 17.23 | 19.0 | 1 | 3.6 | 1.45 | 5.7 | 2.0 | 1.0 | 48.0 | 18.8 | 69.8 | 0.5 | 1.5 | 127 |
| 8/01/2019 | 20.31 | 19.0 | 0.8 | 4.2 | 1.7 | 6.7 | 5.0 | 1.5 | 60.5 | 15.7 | 82.7 | 0.6 | 0.4 | 241 |
| 31/01/2019 | 21.28 | 18.0 | 0.7 | 1.3 | 1.6 | 3.6 | 0.8 | 0.3 | 53.9 | 19.1 | 74.1 | 0.4 | 0.5 | 423 |
| 20/02/2019 | 21.14 | 23.0 | 0.9 | 2.1 | 1.8 | 4.8 | 1.0 | 0.6 | 56.4 | 22.1 | 80.1 | 0.3 | | 542 |
| 4/04/2019 | 19.62 | 16.0 | 1.0 | 1.0 | 1.65 | 3.7 | 1.0 | 0.7 | 45.3 | 17.8 | 64.8 | 0.7 | 0.6 | 285 |
| 2/05/2019 | 16.20 | 22.0 | 0.5 | 3.5 | 1.4 | 5.4 | 3.7 | 6.3 | 47.0 | 19.4 | 76.4 | 0.8 | 0.4 | 197 |
| 26/06/2019 | 12.65 | 17.0 | 0.7 | 2.3 | 1.45 | 4.5 | 1.3 | 0.6 | 50.1 | 18.5 | 70.5 | 1.3 | 0.7 | 258 |

Lake Taupo cumulative database of 10 m tube sample data

Samples collected from Kuratau Basin (Site B)

| Date Collected | Temp. °C | Secchi m | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | PN mg m ⁻³ | TN mg m ⁻³ | Chlorophyll <i>a</i> mg m ⁻³ | PC mg m ⁻³ |
|----------------|-------------|-------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|--------------------------|--------------------------|--|--------------------------|
| 8/01/2002 | 18.1 | 13.5 | 0.4 | 2 | 2.2 | 4.6 | 0.4 | 1.3 | 48 | 16.7 | 66.4 | 0.9 | 233 |
| 22/01/2002 | 18.8 | 12 | 0.9 | 2 | 2.6 | 5.5 | 0.9 | 0.3 | 41 | 19.9 | 62.1 | 0.9 | 221 |
| 6/03/2002 | 18.6 | 14.5 | 0.3 | 2 | 2.3 | 4.6 | 1.4 | 0.5 | 73 | 18.3 | 93.2 | 0.9 | 207 |
| 4/04/2002 | 17.4 | 19.5 | 0.6 | 2 | 1.5 | 4.1 | 0.4 | 0.1 | 40 | 11.2 | 51.7 | 0.9 | 162 |
| 17/04/2002 | 16.8 | 19 | 0.0 | 3 | 1.6 | 4.6 | 0.5 | 0.1 | 45 | 12.3 | 57.9 | 0.9 | 143 |
| 5/05/2002 | 15.1 | 13.2 | 0.3 | 1.1 | | | 1.6 | 0.4 | 40 | | | 0.9 | |
| 19/06/2002 | 12.5 | 15 | 1.0 | 1 | 2.2 | 4.2 | 0.4 | 0.8 | 48.2 | 17.4 | 66.8 | 1.5 | 182 |
| 1/07/2002 | 12.1 | 16 | 1.5 | 1.5 | 1.8 | 4.8 | 0.8 | 1.7 | 41.5 | 14.2 | 58.2 | 1.6 | 146 |
| 17/07/2002 | 11.5 | 12.5 | 1.8 | 2.2 | 2 | 6 | 0.8 | 5.1 | 51.1 | 16.1 | 73.1 | 1.5 | 156.5 |
| 31/07/2002 | 11.3 | 10.5 | 2.0 | 3 | 2.5 | 7.5 | 1.5 | 2.2 | 81.5 | 18.5 | 103.7 | 2.6 | 194.5 |
| 29/08/2002 | 11.0 | 8 | 1.2 | 4.8 | 3.3 | 9.3 | 0 | 0.2 | 184.0 | 22.9 | 207.1 | 2.3 | 221 |
| 18/09/2002 | 11.1 | 11 | 1.9 | 2.1 | 2.1 | 6.1 | 0.4 | 0.6 | 43.4 | 14 | 58.4 | 1.1 | 149 |
| 9/10/2002 | 11.7 | 16 | 1.4 | 1.6 | 1.7 | 4.7 | 4.4 | 0.2 | 19.6 | 11.7 | 35.9 | 0.5 | 149 |
| 13/11/2002 | 12.0 | 14 | 1 | 3 | 2.5 | 6.5 | 0.3 | 0 | 35 | 15.2 | 50.5 | 1.8 | 478 |
| 28/11/2002 | 13.8 | 12.7 | 0.9 | 2.9 | 2 | 5.8 | 0 | 0 | 40 | 16.7 | 56.7 | 0.7 | 203.5 |
| 18/12/2002 | 15.2 | 14 | 0.6 | 1.4 | 2.1 | 4.1 | 0 | 0.1 | 36 | 11.2 | 47.3 | 0.4 | 143 |
| 30/01/2003 | 16.8 | 18 | 0.5 | 2.5 | 1.7 | 4.7 | <1 | 0.8 | 43 | 12.1 | 55.9 | 0.6 | 148.5 |
| 13/02/2003 | 18.8 | 11 | 0.7 | 1.3 | 1.6 | 3.6 | 0.4 | 0.2 | 45 | 9.3 | 54.9 | 0.7 | 131 |
| 17/03/2003 | 18.7 | 14 | 0.5 | 3.5 | 2 | 6 | <1 | 0.7 | 49 | 16.3 | 66.0 | 1.0 | 208 |
| 3/04/2003 | 19.0 | 12.8 | 0.6 | 3.4 | 2.1 | 6.1 | <1 | 0.1 | 50 | 19.6 | 69.7 | 1.1 | 239.5 |
| 28/04/2003 | 16.7 | 13.5 | 0.6 | 3.4 | 1.6 | 5.6 | <1 | 0.2 | 57 | 13.1 | 70.3 | 1.4 | 218.5 |
| 15/05/2003 | 15.7 | 15.5 | 0.4 | 3.6 | 1.8 | 5.8 | <1 | 0.2 | 63 | 13.5 | 76.7 | 1.7 | 229.5 |
| 12/06/2003 | 12.5 | 12 | 1.7 | 1.3 | 2.2 | 5.2 | 0.1 | 2.8 | 39.1 | 13.9 | 55.9 | 1.3 | |
| 14/07/2003 | 11.8 | 12 | 1.7 | 2.3 | 2.2 | 6.2 | 0.9 | 1.9 | 39.4 | 15.9 | 58.1 | 1.7 | 96.5 |
| 31/07/2003 | 11.3 | 13 | 2.1 | 1.9 | 2.7 | 6.7 | 1.2 | 2.0 | 43.8 | 18.0 | 65.0 | 2.1 | 108.5 |
| 14/08/2003 | 11.4 | 13 | 1.8 | 2.2 | 3.3 | 7.3 | 0.3 | 0.3 | 33 | 22.3 | 55.9 | 2.5 | 112.0 |
| 26/08/2003 | 11.3 | 11.5 | 3.1 | 0.9 | 4.0 | 8 | 0.4 | 0.1 | 37 | 22.4 | 59.9 | 3.1 | 148.0 |
| 8/09/2003 | 11.1 | 11 | 2.5 | 1.5 | 3.3 | 7.3 | 0.4 | 0.1 | 36 | 23.5 | 60.0 | 1.4 | 196.5 |
| 7/10/2003 | 11.7 | 9.5 | 2.3 | 1.7 | 3.0 | 7.0 | 0.0 | 0.1 | 49.9 | 20.5 | 70.5 | 1.2 | 185.5 |

| Date Collected | Temp. °C | Secchi m | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | PN mg m ⁻³ | TN mg m ⁻³ | Chlorophyll <i>a</i> mg m ⁻³ | PC mg m ⁻³ |
|----------------|-------------|-------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|--------------------------|--------------------------|--|--------------------------|
| 21/10/2003 | 13.2 | 15.0 | 2.2 | 0.8 | 2.7 | 5.7 | 0.3 | 0.2 | 38.5 | 14.9 | 53.9 | 0.8 | 155.5 |
| 19/11/2003 | 13.8 | 17.0 | 1.6 | 2.4 | 2.4 | 6.4 | 0.0 | 0.1 | 51.0 | 14.6 | 65.7 | 0.6 | 139.5 |
| 4/12/2003 | 15.6 | 17.0 | 1.8 | 2.2 | 1.8 | 5.8 | 0.2 | 0.1 | 44.7 | 13.5 | 58.5 | 0.4 | 126.5 |
| 18/12/2003 | 17.0 | 15.0 | 0.5 | 3.5 | 1.9 | 5.9 | 0.0 | 0.2 | 56.0 | 12.4 | 68.6 | 0.5 | 145.5 |
| 13/01/2004 | 20.3 | 16.0 | 0.4 | 4.6 | 1.8 | 6.8 | 0.0 | 0.2 | 54.0 | 13.7 | 67.9 | 0.5 | 125.0 |
| 26/02/2004 | 16.8 | 13.5 | 1.1 | 1.9 | 1.8 | 4.8 | 0.6 | 0.1 | 42.3 | 15.8 | 58.8 | 0.8 | 157.0 |
| 8/03/2004 | 17.6 | 5.0 | 0.8 | 2.2 | 3.1 | 6.1 | 1.0 | 0.3 | 41.7 | 17.5 | 60.5 | 0.9 | 172.0 |
| 31/03/2004 | 15.9 | 11.0 | 0.8 | 3.2 | 1.8 | 5.8 | 0.7 | 0.2 | 45.1 | 9.9 | 55.9 | 1.4 | 124.5 |
| 14/04/2004 | 15.0 | 14.0 | 0.9 | 4.1 | 2.2 | 7.2 | 0.6 | 0.3 | 52.1 | 14.9 | 67.9 | 1.3 | 171.5 |
| 10/05/2004 | 14.7 | 15.5 | 0.8 | 2.2 | 1.7 | 4.7 | 0.0 | 0.2 | 59.8 | 15.9 | 75.9 | 1.3 | 179.0 |
| 10/06/2004 | 12.9 | 12.0 | 1.4 | 2.6 | 2.1 | 6.1 | 0.0 | 0.2 | 108.8 | 18.6 | 127.6 | 1.2 | 183.0 |
| 13/07/2004 | 11.4 | 11.0 | 2.1 | 2.9 | 2.5 | 7.5 | 0.0 | 8.4 | 40.6 | 19.3 | 68.3 | 1.4 | 154.0 |
| 26/07/2004 | 11.2 | 10.0 | 1.3 | 2.7 | 3.2 | 7.2 | 0.2 | 5.8 | 38.0 | 25.0 | 69.0 | 2.7 | 204.0 |
| 24/08/2004 | 10.9 | 10.0 | 0.7 | 3.3 | 3.1 | 7.1 | 0.0 | 0.0 | 47.0 | 20.9 | 67.9 | 2.5 | 158.0 |
| 7/09/2004 | 10.8 | 11.0 | 0.7 | 2.3 | 2.6 | 5.6 | 0.0 | 0.2 | 44.8 | 17.1 | 62.1 | 1.5 | 172.5 |
| 21/10/2004 | 11.7 | 11.0 | 1.2 | 1.8 | 2.1 | 5.1 | 0.2 | 0.0 | 30.8 | 16.1 | 47.1 | 0.8 | 172.5 |
| 2/11/2004 | 13.1 | 15.0 | 1.0 | 2.0 | 1.7 | 4.7 | 0.2 | 0.1 | 42.7 | 11.0 | 54.0 | 0.5 | 152.0 |
| 22/11/2004 | 14.9 | 15.0 | 0.6 | 3.4 | 1.6 | 5.6 | 0.6 | 0.0 | 33.4 | 9.5 | 43.5 | 0.5 | 141.5 |
| 15/12/2004 | 13.2 | 17.2 | 0.6 | 3.4 | 1.6 | 5.6 | 0.4 | 0.1 | 39.5 | 12.6 | 52.6 | 0.2 | 120.0 |

Lake Taupo cumulative database of 10 m tube sample data

Samples collected from Western Bays (site C)

| Date Collected | Temp. °C | Secchi m | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | PN mg m ⁻³ | TN mg m ⁻³ | Chlorophyll <i>a</i> mg m ⁻³ | PC mg m ⁻³ |
|----------------|-------------|-------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|--------------------------|--------------------------|--|--------------------------|
| 8/01/2002 | 18.72 | 14.5 | 0.9 | 4 | 2.3 | 7.2 | 0.9 | 0.6 | 88 | 16.1 | 105.6 | 0.8 | 213 |
| 22/01/2002 | 18.82 | 15.5 | 0.7 | 2 | 2.2 | 4.9 | 0.7 | 0.0 | 37 | 16.8 | 54.5 | 0.8 | 221 |
| 6/03/2002 | 18.68 | 16 | 0.2 | 2 | 2 | 4.2 | 0 | 0.1 | 45 | 16 | 61.1 | 0.7 | 177 |
| 4/04/2002 | 17.47 | 19 | 0.6 | 2 | 1.4 | 4 | 0.0 | 0.0 | 38 | 8.8 | 46.8 | 0.9 | 152 |
| 17/04/2002 | 16.88 | 18.5 | 0 | 3 | 1.6 | 4.6 | 0.7 | 0.2 | 44 | 11.8 | 56.7 | 0.9 | 167 |
| 5/05/2002 | 15.6 | 15.6 | 0.4 | 1 | | | 2 | 0.2 | 45 | | | 1.1 | |
| 19/06/2002 | 12.58 | 16 | 0.9 | 2.1 | 2 | 5 | 0.3 | 1.2 | 38.8 | 15.9 | 56.2 | 0.9 | 161 |
| 1/07/2002 | 12.22 | 14 | 1.3 | 1.7 | 1.9 | 4.9 | 0.3 | 0.4 | 45 | 15 | 60.7 | 1.4 | 148 |
| 17/07/2002 | 11.52 | 12.5 | 1.9 | 2.1 | 2 | 6 | 0.9 | 4.9 | 46.1 | 16.3 | 68.2 | 1.5 | 160 |
| 31/07/2002 | 11.6 | 12 | 2.3 | 2.7 | 2.3 | 7.3 | 1.7 | 4.0 | 113.3 | 16.7 | 135.7 | 2.3 | 150 |
| 29/08/2002 | 11.4 | 8 | 1 | 3 | 3.2 | 7.2 | 0 | 0 | 177 | 22.3 | 199.3 | 2.4 | 217 |
| 18/09/2002 | 11.24 | 12 | 2.8 | 2.2 | 2 | 7 | 1.7 | 0.4 | 45.3 | 11.7 | 59.1 | 0.9 | 152 |
| 9/10/2002 | 12.10 | 19 | 1.5 | 1.5 | 1.7 | 4.7 | 0.3 | 0.2 | 28 | 10.2 | 38.7 | 0.4 | 116 |
| 13/11/2002 | 12.60 | 16 | 1.1 | 2.9 | 2 | 6 | 0.1 | 0 | 51 | 12.2 | 63.3 | 0.6 | 141 |
| 28/11/2002 | 13.90 | 15.5 | 0.9 | 2.1 | 2 | 5 | 0.4 | 0.4 | 40 | 14.4 | 55.2 | 0.8 | 125.5 |
| 18/12/2002 | 15.10 | 13.5 | 0.8 | 2.2 | 1.9 | 4.9 | 0 | 0.3 | 45 | 10.2 | 55.5 | 0.5 | 136.5 |
| 30/01/2003 | 17.60 | 18.5 | 0.5 | 2.5 | 1.5 | 4.5 | <1 | 0.1 | 46 | 8.6 | 54.7 | 0.4 | 141.5 |
| 13/02/2003 | 19.50 | 19 | 0.6 | 1.4 | 1.6 | 3.6 | 0 | 0.1 | 42 | 8.4 | 50.5 | 0.5 | 104 |
| 17/03/2003 | 18.70 | 15 | 0.5 | 2.5 | 1.7 | 4.7 | <1 | 0.4 | 46 | 14.6 | 61.0 | 1.1 | 215 |
| 3/04/2003 | 18.80 | 14.5 | 0.5 | 2.5 | 1.6 | 4.6 | <1 | 0.4 | 49 | 16.5 | 65.9 | 1.2 | 204 |
| 28/04/2003 | 17.00 | 14.5 | 0.4 | 2.6 | 1.4 | 4.4 | <1 | 0.4 | 54 | 12.2 | 66.6 | 1.5 | 191 |
| 15/05/2003 | 15.60 | 17 | 0.1 | 3.9 | 2.2 | 6.2 | <1 | 0.1 | 56 | 18 | 74.1 | 1.3 | 197 |
| 12/06/2003 | 13.70 | 11 | 1.3 | 1.7 | 2 | 5 | 0.1 | 0.9 | 40 | 13.8 | 54.8 | 1.3 | |
| 14/07/2003 | 11.80 | 14 | 1.9 | 2.1 | 2 | 6 | 1 | 4.7 | 39.3 | 14.9 | 59.9 | 1.5 | 85.0 |
| 31/07/2003 | 11.40 | 12 | 3.1 | 5.9 | 2.8 | 11 | 0.1 | 4.0 | 55 | 20.3 | 79.4 | 2.3 | 101.5 |
| 14/08/2003 | 11.50 | 14.5 | 2.4 | 2.6 | 2.9 | 7.9 | 1.1 | 3.8 | 46.1 | 19.5 | 70.5 | 2.8 | 92.5 |
| 26/08/2003 | 11.30 | 13 | 2.8 | 2.2 | 3.8 | 8.8 | 0.5 | 0.2 | 39 | 25.0 | 64.7 | 3.2 | 174.5 |
| 8/09/2003 | 11.30 | 12 | 2.6 | 0.4 | 3 | 6 | 0.1 | 0.1 | 40 | 19.5 | 59.7 | 1.3 | 233.0 |
| 7/10/2003 | 11.7 | 12.5 | 2.7 | 1.3 | 2.8 | 6.8 | 0.0 | 0.3 | 44.7 | 18.4 | 63.4 | 1.5 | 157.5 |

| Date Collected | Temp. °C | Secchi (m) | DRP (mg m ⁻³) | DOP (mg m ⁻³) | PP (mg m ⁻³) | TP (mg m ⁻³) | NH ₄ -N (mg m ⁻³) | NO ₃ -N (mg m ⁻³) | DON (mg m ⁻³) | PN (mg m ⁻³) | TN (mg m ⁻³) | Chlorophyll <i>a</i> (mg m ⁻³) | PC (mg m ⁻³) |
|----------------|-------------|---------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|------------------------------|-----------------------------|-----------------------------|---|-----------------------------|
| 21/10/2003 | 13.0 | 12.0 | 1.5 | 1.5 | 3.1 | 6.1 | 0.3 | 0.0 | 44.7 | 17.4 | 62.4 | 1.1 | 195.0 |
| 19/11/2003 | 14.3 | 17.2 | 1.5 | 1.5 | 2.3 | 5.3 | 0.8 | 0.0 | 38.2 | 14.4 | 53.4 | 0.7 | 123.0 |
| 4/12/2003 | 15.5 | 17.0 | 1.7 | 3.3 | 1.7 | 6.7 | 0.0 | 0.2 | 46.8 | 11.2 | 58.2 | 0.5 | 129.0 |
| 18/12/2003 | 17.0 | 19.0 | 0.5 | 4.5 | 1.5 | 6.5 | 0.0 | 0.0 | 47.0 | 9.9 | 56.9 | 0.4 | 124.5 |
| 13/01/2004 | 20.2 | 17.5 | 0.7 | 4.3 | 1.6 | 6.6 | 0.0 | 0.1 | 53.0 | 11.9 | 65.0 | 0.4 | 118.5 |
| 26/02/2004 | 16.9 | 14.0 | 0.9 | 2.1 | 2.2 | 5.2 | 0.8 | 0.4 | 40.8 | 17.2 | 59.2 | 0.7 | 156.0 |
| 8/03/2004 | 18.4 | 13.0 | 0.8 | 2.2 | 2.0 | 5.0 | 0.7 | 0.1 | 34.2 | 11.1 | 46.1 | 0.6 | 124.0 |
| 31/03/2004 | 16.4 | 12.5 | 0.6 | 3.4 | 2.0 | 6.0 | 0.7 | 0.3 | 51.0 | 12.3 | 64.3 | 1.2 | 175.5 |
| 14/04/2004 | 15.4 | 16.5 | 0.9 | 3.1 | 2.3 | 6.3 | 0.6 | 0.3 | 50.1 | 14.2 | 65.2 | 1.2 | 159.0 |
| 10/05/2004 | 14.9 | 16.0 | 0.8 | 3.2 | 1.6 | 5.6 | 0.0 | 0.2 | 48.8 | 15.4 | 64.4 | 1.1 | 153.0 |
| 10/06/2004 | 13.1 | 14.0 | 0.8 | 2.2 | 2.0 | 5.0 | 0.0 | 0.2 | 41.8 | 16.6 | 58.6 | 1.0 | 151.0 |
| 13/07/2004 | 11.6 | 12.5 | 1.3 | 2.7 | 2.5 | 6.5 | 0.0 | 5.9 | 39.1 | 19.9 | 64.9 | 1.6 | 156.5 |
| 26/07/2004 | 11.5 | 11.0 | 1.5 | 2.5 | 2.9 | 6.9 | 0.3 | 2.7 | 46.0 | 22.2 | 71.2 | 2.4 | 180.5 |
| 24/08/2004 | 10.9 | 10.0 | 1.0 | 3.0 | 2.9 | 6.9 | 0.0 | 0.4 | 37.6 | 18.5 | 56.5 | 2.5 | 161.0 |
| 7/09/2004 | 11.1 | 12.0 | 1.2 | 3.8 | 2.6 | 7.6 | 0.0 | 0.0 | 54.0 | 16.8 | 70.8 | 1.5 | 202.0 |
| 21/10/2004 | 11.7 | 12.0 | 1.1 | 1.9 | 1.9 | 4.9 | 0.2 | 0.0 | 35.8 | 14.8 | 50.8 | 0.6 | 167.5 |
| 2/11/2004 | 12.4 | 17.0 | 1.0 | 3.0 | 1.7 | 5.7 | 0.3 | 1.2 | 45.5 | 16.3 | 63.3 | 0.4 | 173.0 |
| 22/11/2004 | 14.8 | 16.0 | 0.5 | 3.5 | 1.7 | 5.7 | 0.0 | 0.2 | 37.8 | 10.8 | 48.8 | 0.5 | 149.0 |
| 15/12/2004 | 14.2 | 20.8 | 0.9 | 4.1 | 1.4 | 6.4 | 0.0 | 0.0 | 42.0 | 12.2 | 54.2 | 0.2 | 131.0 |

| Lake Taupo biannual nutrient database | | | | | | | | | | 2018-2019 | | | | | | | | | | |
|--|-----------|-------------|-----------------|----------|---------------------------------|---------|----------|---------------|-----------|-----------|----------|----------|--------------------------|--------------------------|-----------|-------------|----------|-----------|----------|----------|
| Collection date 16 October 2018 | | | | | Secchi Depth= 12 m | | | | | | | | | | | | | | | |
| NIWA ID | Depth (m) | pH pH units | EC @25° C µS/cm | Temp ° C | DO g m ⁻³ | SS g/m3 | VSS g/m3 | Chla-Av mg/m3 | DRP mg/m3 | DOP mg/m3 | PP mg/m3 | TP mg/m3 | NH ₄ -N mg/m3 | NO ₃ -N mg/m3 | DON mg/m3 | PartN mg/m3 | TN mg/m3 | DOC mg/m3 | PC mg/m3 | PN mg/m3 |
| SC1 | Surface | 7.82 | 121 | 12.67 | 11.3 | 0.5 | <0.5 | 0.56 | 0.5 | 1.8 | 1.1 | 3.4 | 2.0 | 1.7 | 46 | 10.4 | 60 | 509 | 112 | 8.2 |
| SC2 | 10 m | 7.70 | 120 | 12.65 | 11.3 | 0.7 | <0.5 | 0.80 | 0.7 | 2.1 | 1.6 | 4.4 | 2.9 | 1.3 | 39 | 14.5 | 57 | 492 | 131 | 8.9 |
| SC3 | 20 m | 7.60 | 121 | 12.60 | 11.3 | 0.8 | <0.5 | 0.87 | 0.6 | 1.8 | 1.4 | 3.8 | 1.8 | 0.4 | 37 | 9.5 | 49 | 451 | 93 | 7.0 |
| SC4 | 30 m | 7.62 | 120 | 11.95 | 11.3 | 0.6 | <0.5 | 0.69 | 0.8 | 1.3 | 1.2 | 3.3 | 2.2 | 0.1 | 38 | 9.4 | 49 | 458 | 133 | 9.2 |
| SC5 | 40 m | 7.30 | 120 | 11.47 | 11.1 | 0.8 | <0.5 | 0.92 | 0.8 | 1.3 | 1.3 | 3.4 | 3.0 | 0.2 | 36 | 10.2 | 49 | 514 | 100 | 7.3 |
| SC6 | 50 m | 7.32 | 122 | 11.39 | 11.0 | 0.7 | <0.5 | 1.16 | 0.5 | 1.5 | 1.5 | 3.5 | 3.1 | 0.2 | 38 | 12.7 | 54 | 447 | 102 | 9.0 |
| SC7 | 60 m | 7.29 | 121 | 11.23 | 10.7 | 0.5 | <0.5 | 0.99 | 0.4 | 1.9 | 1.4 | 3.7 | 1.9 | 0.4 | 46 | 9.0 | 57 | 450 | 67 | 5.6 |
| SC8 | 70 m | 7.26 | 122 | 11.16 | 10.6 | 0.5 | <0.5 | 0.93 | 0.5 | 1.6 | 1.3 | 3.4 | 4.4 | 0.2 | 36 | 11.2 | 52 | 484 | 64 | 5.9 |
| SC9 | 80 m | 7.24 | 122 | 11.12 | 10.6 | 0.6 | <0.5 | 0.95 | 1.2 | 1.8 | 1.2 | 4.2 | 4.7 | 0.4 | 39 | 5.9 | 50 | 431 | 76 | 5.7 |
| SC10 | 90 m | 7.28 | 122 | 11.11 | 10.6 | 0.8 | <0.5 | 1.22 | 1.8 | 0.4 | 1.1 | 3.3 | 2.4 | 0.9 | 42 | 6.8 | 52 | 461 | 60 | 6.0 |
| SC11 | 100 m | 7.25 | 120 | 11.10 | 10.5 | 0.5 | <0.5 | 1.27 | 0.7 | 1.8 | 1.0 | 3.5 | 1.9 | 0.8 | 38 | 9.0 | 50 | 452 | 64 | 6.4 |
| SC12 | 110 m | 7.33 | 122 | 11.09 | 10.5 | 0.8 | <0.5 | 1.00 | 0.6 | 1.6 | 1.1 | 3.3 | 4.5 | 1.0 | 34 | 5.8 | 45 | 566 | 56 | 5.8 |
| SC13 | 120 m | 7.36 | 122 | 11.08 | 10.4 | 0.6 | <0.5 | 1.37 | 0.7 | 1.9 | 1.6 | 4.2 | 4.8 | 1.4 | 32 | 8.3 | 46 | 448 | 72 | 5.1 |
| SC14 | 130 m | 7.31 | 121 | 11.07 | 10.3 | 0.7 | <0.5 | 1.09 | 0.9 | 1.5 | 1.3 | 3.7 | 11.5 | 3.5 | 34 | 7.9 | 57 | 505 | 64 | 5.8 |
| SC15 | 140 m | 7.31 | 121 | 11.06 | 9.9 | 0.6 | <0.5 | 1.03 | 1.2 | 1.4 | 1.7 | 4.3 | 13.2 | 5.8 | 39 | 10.0 | 68 | 473 | 55 | 5.2 |
| SC16 | 150 m | 7.29 | 121 | 11.06 | 9.8 | 0.7 | <0.5 | 0.65 | 1.1 | 1.8 | 1.7 | 4.6 | 13.6 | 4.9 | 39 | 10.7 | 68 | 476 | 52 | 5.5 |
| PartN = by wet digestion method, PN = by combustion furnace method | | | | | | | | | | | | | | | | | | | | |
| Collection date 7 May 2019 | | | | | Secchi Depth = 22m on 2/05/2019 | | | | | | | | | | | | | | | |
| NIWA ID | Depth (m) | pH pH units | EC @25° C µS/cm | Temp ° C | DO g m ⁻³ | SS g/m3 | VSS g/m3 | Chla-Av mg/m3 | DRP mg/m3 | DOP mg/m3 | PP mg/m3 | TP mg/m3 | NH ₄ -N mg/m3 | NO ₃ -N mg/m3 | DON mg/m3 | PartN mg/m3 | TN mg/m3 | DOC mg/m3 | PC mg/m3 | PN mg/m3 |
| LO1 | Surface | 7.90 | 121 | 16.20 | 9.5 | <0.5 | <0.5 | 0.6 | 0.6 | 2.4 | 1.4 | 4.4 | 6.0 | 1.0 | 66 | 13.1 | 86 | 726 | 149 | 12.1 |
| LO2 | 10m | 7.91 | 120 | 16.21 | 9.4 | <0.5 | <0.5 | 0.8 | 0.8 | 2.2 | 13.6 | 16.6 | 4.0 | 1.5 | 50 | 1.5 | 58 | 621 | 115 | 10.0 |
| LO3 | 20m | 7.87 | 121 | 16.21 | 9.4 | 0.5 | <0.5 | 0.8 | 0.7 | 2.3 | 17.4 | 20.4 | 1.6 | 0.2 | 48 | 1.9 | 52 | 663 | 300 | 15.3 |
| LO4 | 30m | 7.67 | 119 | 14.71 | 9.3 | <0.5 | <0.5 | 0.6 | 0.8 | 2.2 | 9.9 | 12.9 | 2.5 | 0.7 | 40 | 1.3 | 44 | 647 | 101 | 11.9 |
| LO5 | 40m | 7.45 | 120 | 12.32 | 9.1 | <0.5 | <0.5 | 0.7 | 1.0 | 2.0 | 10.1 | 13.1 | 0.1 | 0.4 | 32 | 1.3 | 33 | 591 | 187 | 12.1 |
| LO6 | 50m | 7.29 | 120 | 11.67 | 8.6 | <0.5 | <0.5 | 0.4 | 1.4 | 1.6 | 9.4 | 12.4 | 0.0 | 3.9 | 32 | 1.0 | 37 | 547 | 198 | 6.9 |
| LO7 | 60m | 7.35 | 120 | 11.48 | 8.5 | <0.5 | <0.5 | 0.3 | 1.9 | 2.1 | 9.3 | 13.3 | 0.0 | 4.4 | 34 | 0.7 | 39 | 556 | 102 | 4.2 |
| LO8 | 70m | 7.25 | 121 | 11.33 | 8.5 | <0.5 | <0.5 | 0.2 | 3.7 | 1.3 | 8.6 | 13.6 | 0.2 | 13.5 | 31 | 0.8 | 46 | 521 | 62 | 4.2 |
| LO9 | 80m | 7.18 | 121 | 11.24 | 8.2 | <0.5 | <0.5 | 0.2 | 4.3 | 1.7 | 9.3 | 15.3 | 0.0 | 18.4 | 38 | 0.7 | 57 | 589 | 96 | 6.0 |
| LO10 | 90m | 7.15 | 121 | 11.22 | 7.9 | <0.5 | 2.2 | 0.1 | 6.4 | 1.6 | 8.1 | 16.1 | 0.0 | 23.2 | 24 | 0.8 | 48 | 524 | 67 | 9.5 |
| LO11 | 100m | 7.20 | 121 | 11.21 | 7.9 | <0.5 | <0.5 | 0.1 | 5.7 | 2.3 | 9.5 | 17.5 | 0.0 | 21.3 | 24 | 0.8 | 46 | 600 | 47 | 4.0 |
| LO12 | 110m | 7.20 | 121 | 11.19 | 8.0 | <0.5 | <0.5 | 0.1 | 5.9 | 2.1 | 9.8 | 17.8 | 0.0 | 23.2 | 33 | 0.6 | 57 | 647 | 56 | 6.3 |
| LO13 | 120m | 7.24 | 121 | 11.18 | 7.8 | <0.5 | <0.5 | 0.1 | 7.5 | 2.5 | 5.4 | 15.4 | 0.0 | 25.3 | 28 | 0.8 | 54 | 597 | 49 | 5.0 |
| LO14 | 130m | 7.20 | 121 | 11.16 | 7.8 | <0.5 | <0.5 | 0.1 | 9.0 | 3.0 | 3.4 | 15.4 | 0.0 | 29.1 | 37 | 0.6 | 67 | 642 | 64 | 6.1 |
| LO15 | 140m | 7.15 | 121 | 11.16 | 7.1 | 0.8 | <0.5 | 0.2 | 9.7 | 1.3 | 10.3 | 21.3 | 0.0 | 29.4 | 33 | 6.8 | 69 | 525 | 99 | 10.5 |
| LO16 | 150m | 7.11 | 120 | 11.16 | 7.0 | * | * | * | 49.2 | 9.8 | * | | 1.0 | 35.7 | 50 | * | | 595 | * | * |
| * sediment interfered with analysis | | | | | | | | | | | | | | | | | | | | |

| Lake Taupo biannual nutrient database | | | | | | | | | | 2017-2018 | | | | | | | | | | | |
|---|-----------|-------------|----------------------------|---------|--|-------------------|--------------------|-------------------------|---------------------|---------------------|--------------------|--------------------|------------------------------------|------------------------------------|---------------------|-----------------------|--------------------|---------------------|--------------------|--------------------|--|
| Collection date 14 November 2017 | | | | | Secchi Depth= 13 m | | | | | | | | | | | | | | | | |
| NIWA ID | Depth (m) | pH pH units | EC @25° C $\mu\text{S/cm}$ | Temp °C | DO g m^{-3} | SS g/m^3 | VSS g/m^3 | Chla-Av mg/m^3 | DRP mg/m^3 | DOP mg/m^3 | PP mg/m^3 | TP mg/m^3 | NH ₄ -N mg/m^3 | NO ₃ -N mg/m^3 | DON mg/m^3 | PartN mg/m^3 | TN mg/m^3 | DOC mg/m^3 | PC mg/m^3 | PN mg/m^3 | |
| QS1 | Surface | 7.83 | 118 | 14.49 | 10.30 | 0.5 | <0.5 | 0.35 | 0.9 | 1.1 | 1.1 | 3.1 | 1.7 | 1.6 | 71 | 15.9 | 90 | 1313 | 121.5 | 13.0 | |
| QS2 | 10 m | 7.89 | 118 | 14.08 | 9.87 | 0.6 | <0.5 | 0.52 | 1.5 | 0.5 | 1.7 | 3.7 | 1.8 | 0.6 | 33 | 13.1 | 48 | 575 | 166.0 | 14.0 | |
| QS3 | 20 m | 7.86 | 118 | 13.88 | 9.85 | 0.7 | <0.5 | 0.56 | 0.2 | 1.8 | 2.0 | 4.0 | 0.0 | 0.0 | 36 | 16.8 | 53 | 570 | 180.0 | 18.3 | |
| QS4 | 30 m | 7.88 | 120 | 13.48 | 9.88 | 0.8 | <0.5 | 0.47 | 0.5 | 1.5 | 1.7 | 3.7 | 0.0 | 0.0 | 40 | 14.6 | 55 | 994 | 160.0 | 13.4 | |
| QS5 | 40 m | 7.91 | 116 | 11.81 | 9.55 | 0.9 | <0.5 | 1.11 | 0.9 | 1.1 | 2.3 | 4.3 | 0.0 | 0.0 | 33 | 17.5 | 51 | 512 | 190.5 | 19.3 | |
| QS6 | 50 m | 7.70 | 118 | 11.41 | 8.92 | 0.9 | <0.5 | 1.55 | 1.3 | 1.7 | 2.4 | 5.4 | 0.0 | 1.8 | 34 | 16.2 | 52 | 480 | 159.5 | 17.2 | |
| QS7 | 60 m | 7.70 | 117 | 11.27 | 8.73 | 0.9 | <0.5 | 1.68 | 1.2 | 0.8 | 2.2 | 4.2 | 0.0 | 1.1 | 34 | 15.4 | 50 | 593 | 159.0 | 15.2 | |
| QS8 | 70 m | 7.62 | 121 | 11.21 | 8.65 | 0.6 | <0.5 | 1.14 | 1.7 | 1.3 | 1.7 | 4.7 | 0.4 | 10.3 | 31 | 10.4 | 52 | 487 | 77.6 | 9.8 | |
| QS9 | 80 m | 7.60 | 119 | 11.14 | 8.73 | 0.5 | <0.5 | 1.01 | 1.9 | 1.1 | 1.7 | 4.7 | 0.0 | 15.4 | 34 | 9.5 | 59 | 486 | 63.6 | 8.6 | |
| QS10 | 90 m | 7.50 | 119 | 11.12 | 8.64 | <0.5 | <0.5 | 0.75 | 2.7 | 1.3 | 1.6 | 5.6 | 1.1 | 20.0 | 28 | 8.3 | 57 | 627 | 53.8 | 7.1 | |
| QS11 | 100 m | 7.52 | 119 | 11.09 | 8.50 | 0.5 | <0.5 | 0.70 | 2.0 | 1.0 | 1.7 | 4.7 | 0.0 | 14.3 | 31 | 8.0 | 53 | 566 | 66.2 | 7.8 | |
| QS12 | 110 m | 7.61 | 119 | 11.09 | 8.40 | 0.6 | <0.5 | 0.75 | 1.7 | 1.3 | 1.5 | 4.5 | 0.9 | 14.5 | 33 | 8.2 | 56 | 506 | 50.0 | 7.6 | |
| QS13 | 120 m | 7.49 | 119 | 11.08 | 8.31 | 0.6 | <0.5 | 0.85 | 3.7 | 1.3 | 1.8 | 6.8 | 0.7 | 25.7 | 28 | 8.4 | 62 | 514 | 64.9 | 9.1 | |
| QS14 | 130 m | 7.51 | 119 | 11.07 | 8.21 | 1.4 | <0.5 | 0.97 | 4.0 | 1.0 | 2.1 | 7.1 | 0.2 | 27.4 | 27 | 8.9 | 64 | 452 | 63.5 | 9.1 | |
| QS15 | 140 m | 7.50 | 119 | 11.06 | 8.05 | 0.7 | <0.5 | 1.16 | 4.2 | 1.8 | 2.8 | 8.8 | 0.9 | 29.7 | 27 | 9.4 | 67 | 453 | 71.4 | 9.7 | |
| QS16 | 150 m | 7.44 | 119 | 11.06 | 7.85 | 0.7 | <0.5 | 1.13 | 4.5 | 2.5 | 2.9 | 9.9 | 1.0 | 29.2 | 28 | 10.0 | 68 | 439 | 68.9 | 10.7 | |
| PartN = by wet digestion method, PN = by combustion fumace method | | | | | | | | | | | | | | | | | | | | | |
| Collection date 1 May 2018 | | | | | Secchi Depth (none, was entered in the phone which died) | | | | | | | | | | | | | | | | |
| NIWA ID | Depth (m) | pH pH units | EC @25° C $\mu\text{S/cm}$ | Temp °C | DO g m^{-3} | SS g/m^3 | VSS g/m^3 | Chla-Av mg/m^3 | DRP mg/m^3 | DOP mg/m^3 | PP mg/m^3 | TP mg/m^3 | NH ₄ -N mg/m^3 | NO ₃ -N mg/m^3 | DON mg/m^3 | PartN mg/m^3 | TN mg/m^3 | DOC mg/m^3 | PC mg/m^3 | PN mg/m^3 | |
| DK1 | Surface | 7.63 | 121 | 15.94 | 9.12 | <0.5 | <0.5 | 1.05 | 0.3 | 2.2 | 1.0 | 3.5 | 3.4 | 0.6 | 46.9 | 11.8 | 63 | 627 | 174.5 | 8.75 | |
| DK2 | 10m | 7.80 | 121 | 15.88 | 9.15 | <0.5 | <0.5 | 1.20 | 0.3 | 1.9 | 1.3 | 3.5 | 5.3 | 0.1 | 30.6 | 14.5 | 51 | 597 | 149 | 10.45 | |
| DK3 | 20m | 7.78 | 121 | 15.79 | 9.11 | <0.5 | <0.5 | 1.23 | 0.5 | 1.8 | 1.6 | 3.9 | 6.4 | 0.1 | 43.5 | 18.6 | 69 | 585 | 198 | 11.6 | |
| DK4 | 30m | 7.81 | 120 | 15.78 | 9.08 | <0.5 | <0.5 | 0.85 | 0.4 | 1.6 | 1.6 | 3.6 | 1.8 | 0.2 | 39.1 | 15.8 | 57 | 557 | 113 | 8.2 | |
| DK5 | 40m | 7.69 | 122 | 13.60 | 8.84 | <0.5 | <0.5 | 0.76 | 0.3 | 1.7 | 1.2 | 3.2 | 1.2 | 1.0 | 36.8 | 10.5 | 50 | 494 | 82.8 | 5.8 | |
| DK6 | 50m | 7.44 | 122 | 12.04 | 8.37 | <0.5 | <0.5 | 0.55 | 0.8 | 1.5 | 0.8 | 3.1 | 0.2 | 1.7 | 46.1 | 6.6 | 55 | 443 | 44.45 | 3.9 | |
| DK7 | 60m | 7.41 | 124 | 11.63 | 8.17 | <0.5 | <0.5 | 0.47 | 1.4 | 1.5 | 0.8 | 3.7 | 1.0 | 4.7 | 33.3 | 6.6 | 46 | 429 | 55.75 | 3.45 | |
| DK8 | 70m | 7.23 | 124 | 11.43 | 7.81 | <0.5 | <0.5 | 0.33 | 2.8 | 0.9 | 0.7 | 4.4 | 2.1 | 16.6 | 45.3 | 5.9 | 70 | 460 | 46.85 | 3.9 | |
| DK9 | 80m | 7.22 | 123 | 11.34 | 7.79 | <0.5 | <0.5 | 0.25 | 2.7 | 1.3 | 0.6 | 4.6 | 0.8 | 18.9 | 29.3 | 4.9 | 54 | 415 | 73 | 3.45 | |
| DK10 | 90m | 7.33 | 122 | 11.29 | 7.87 | <0.5 | <0.5 | 0.20 | 1.9 | 1.6 | 0.6 | 4.1 | 0.5 | 15.7 | 30.9 | 5.1 | 52 | 444 | 43.3 | 2.4 | |
| DK11 | 100m | 7.26 | 125 | 11.26 | 7.58 | <0.5 | <0.5 | 0.13 | 3.4 | 1.5 | 0.7 | 5.6 | 1.8 | 26.1 | 31.1 | 6.5 | 66 | 436 | 45.75 | 3.8 | |
| DK12 | 110m | 7.24 | 123 | 11.23 | 7.34 | <0.5 | <0.5 | 0.13 | 3.8 | 1.7 | 0.6 | 6.1 | 1.2 | 27.8 | 30.0 | 4.9 | 64 | 440 | 43.15 | 1.85 | |
| DK13 | 120m | 7.38 | 123 | 11.22 | 7.27 | <0.5 | <0.5 | 0.11 | 4.8 | 1.2 | 0.6 | 6.6 | 2.6 | 31.6 | 26.8 | 4.6 | 66 | 440 | 29.45 | 3.95 | |
| DK14 | 130m | 7.23 | 123 | 11.20 | 7.24 | <0.5 | <0.5 | 0.12 | 4.7 | 1.3 | 0.6 | 6.6 | 2.2 | 31.5 | 23.2 | 5.1 | 62 | 445 | 50.5 | 2.55 | |
| DK15 | 140m | 7.36 | 131 | 11.18 | 7.10 | <0.5 | <0.5 | 0.10 | 6.1 | 1.1 | 0.7 | 7.9 | 1.1 | 38.3 | 26.6 | 5.4 | 71 | 448 | 60 | 2.85 | |
| DK16 | 150m | 7.29 | 126 | 11.18 | 6.55 | <0.5 | <0.5 | 0.14 | 6.8 | 1.9 | 1.0 | 9.7 | 3.4 | 40.9 | 27.7 | 5.0 | 77 | 448 | 41.25 | 3.45 | |

| Lake Taupo biannual nutrient database | | | | | | | | | | 2016-2017 | | | | | | | | | | | |
|--|-----------|----------------|-----------------------|-------------|-------------------------|------------|-------------|------------------|--------------|--------------|-------------|-------------|-----------------------------|-----------------------------|--------------|---------------|----------------|-------------|--------------|-------------|-------------|
| Collection date 8 December 2016 | | | | | Secchi Depth= 15 m | | | | | | | | | | | | | | | | |
| NIWA ID | Depth (m) | pH pH units | EC @25° C µS/cm | Temp ° C | DO g m ⁻³ | SS g/m3 | VSS g/m3 | Chla-Av mg/m3 | DRP mg/m3 | DOP mg/m3 | PP mg/m3 | TP mg/m3 | NH ₄ -N mg/m3 | NO ₃ -N mg/m3 | DON mg/m3 | Urea mg/m3 | PartN mg/m3 | TN mg/m3 | DOC mg/m3 | PC mg/m3 | PN mg/m3 |
| QI1 | Surface | 8.01 | 120 | 16.49 | 9.66 | <0.5 | <0.5 | 0.6 | 0.2 | 1.8 | 1.6 | 3.6 | 0.4 | 0.7 | 48.9 | 4 | 19.5 | 69.5 | 644 | 158 | 16.7 |
| QI2 | 10m | 8.02 | 120 | 16.04 | 9.68 | <0.5 | <0.5 | 0.5 | 0.4 | 1.6 | 2.3 | 4.3 | 0.7 | 0.1 | 48.2 | <2 | 19.8 | 68.8 | 673 | 118 | 12.5 |
| QI3 | 20m | 8.02 | 120 | 14.61 | 9.73 | <0.5 | <0.5 | 0.7 | 0.2 | 1.8 | 1.8 | 3.8 | 0.2 | 0.3 | 41.6 | <2 | 15.7 | 57.7 | 624 | 141 | 9.2 |
| QI4 | 30m | 7.96 | 120 | 14.17 | 9.68 | <0.5 | <0.5 | 0.9 | 0.4 | 1.6 | 1.6 | 3.6 | 0.4 | 0.1 | 42.5 | 2 | 14.7 | 57.7 | 580 | 143 | 11.8 |
| QI5 | 40m | 7.86 | 120 | 12.44 | 9.23 | <0.5 | <0.5 | 0.8 | 0.1 | 1.9 | 1.4 | 3.4 | 1.1 | 0.2 | 41.7 | <2 | 13.8 | 56.8 | 592 | 107 | 10.9 |
| QI6 | 50m | 7.46 | 121 | 11.27 | 8.79 | <0.5 | <0.5 | 1.1 | 1.3 | 1.7 | 2.0 | 5.0 | 0.0 | 1.4 | 50.6 | <2 | 16.6 | 68.6 | 584 | 105 | 15.0 |
| QI7 | 60m | 7.45 | 121 | 10.96 | 8.87 | <0.5 | <0.5 | 0.7 | 1.6 | 1.4 | 1.5 | 4.5 | 0.0 | 0.7 | 34.3 | <2 | 16.5 | 51.5 | 608 | 65 | 6.6 |
| QI8 | 70m | 7.38 | 121 | 10.90 | 8.95 | <0.5 | <0.5 | 0.6 | 2.0 | 1.0 | 1.2 | 4.2 | 0.1 | 3.7 | 30.2 | <2 | 10.8 | 44.8 | 488 | 58 | 6.0 |
| QI9 | 80m | 7.44 | 122 | 10.87 | 8.96 | <0.5 | <0.5 | 0.4 | 1.8 | 1.2 | 1.2 | 4.2 | 0.0 | 5.5 | 31.5 | <2 | 9.4 | 46.4 | 544 | 63 | 6.8 |
| QI10 | 90m | 7.45 | 121 | 10.85 | 8.94 | <0.5 | <0.5 | 0.3 | 2.3 | 0.7 | 1.2 | 4.2 | 0.0 | 8.1 | 31.9 | <2 | 5.2 | 45.2 | 532 | 50 | 4.1 |
| QI11 | 100m | 7.40 | 121 | 10.84 | 8.95 | <0.5 | <0.5 | 0.3 | 2.0 | 1.0 | 1.1 | 4.1 | 0.0 | 9.5 | 30.5 | <2 | 7.9 | 47.9 | 497 | 37 | 4.3 |
| QI12 | 110m | 7.39 | 121 | 10.83 | 8.85 | <0.5 | <0.5 | 0.3 | 2.3 | 0.7 | 1.0 | 4.0 | 0.0 | 10.4 | 31.6 | <2 | 6.8 | 48.8 | 493 | 43 | 4.7 |
| QI13 | 120m | 7.37 | 122 | 10.82 | 8.68 | <0.5 | <0.5 | 0.2 | 3.5 | 0.5 | 1.1 | 5.1 | 0.0 | 16.7 | 31.3 | <2 | 5.6 | 53.6 | 492 | 48 | 4.9 |
| QI14 | 130m | 7.43 | 121 | 10.81 | 8.54 | <0.5 | <0.5 | 0.2 | 2.8 | 0.2 | 1.0 | 4.0 | 0.1 | 14.5 | 27.5 | <2 | 5.9 | 47.9 | 509 | 45 | 4.2 |
| QI15 | 140m | 7.39 | 122 | 10.81 | 8.34 | <0.5 | <0.5 | 0.2 | 4.0 | 1.0 | 1.5 | 6.5 | 0.0 | 19.9 | 29.1 | <2 | 10.2 | 59.2 | 505 | 73 | 5.1 |
| QI16 | 150m | 7.36 | 122 | 10.81 | 8.32 | <0.5 | <0.5 | 0.3 | 4.5 | 2.5 | 1.3 | 8.3 | 0.0 | 21.5 | 30.5 | <2 | 7.2 | 59.2 | 498 | 50 | 5.2 |
| Collection date 18 April 2017 | | | | | Secchi Depth= 12.3 m | | | | | | | | | | | | | | | | |
| NIWA ID | Depth (m) | pH pH units | EC @25° C µS/cm | Temp ° C | DO g m ⁻³ | SS g/m3 | VSS g/m3 | Chla-Av mg/m3 | DRP mg/m3 | DOP mg/m3 | PP mg/m3 | TP mg/m3 | NH ₄ -N mg/m3 | NO ₃ -N mg/m3 | DON mg/m3 | Urea mg/m3 | PartN mg/m3 | TN mg/m3 | DOC mg/m3 | PC mg/m3 | PN mg/m3 |
| ZT1 | Surface | 7.73 | 107 | 17.520 | 9.8717 | 0.78 | <0.50 | 0.395 | <0.500 | 1.75 | 1.55 | 3.55 | 2 | <0.500 | 55.75 | 10 | 16.6 | 74.6 | 596 | 148.5 | 16.5 |
| ZT2 | 10m | 7.83 | 106 | 17.780 | 8.9363 | <0.50 | <0.50 | 1.01 | <0.500 | 1.75 | 2 | 4 | <1.00 | <0.500 | 39.25 | 2 | 19.4 | 59.4 | 666 | 158.5 | 19.5 |
| ZT3 | 20m | 7.81 | 108 | 17.762 | 8.8945 | <0.50 | <0.50 | 1.36 | <0.500 | 1.75 | 1.9 | 3.9 | <1.00 | <0.500 | 40.25 | 1 | 19.7 | 60.7 | 603 | 154 | 17.4 |
| ZT4 | 30m | 7.79 | 106 | 17.756 | 8.8669 | 0.57 | <0.50 | 1.41 | <0.500 | 1.75 | 1.85 | 3.85 | 1 | <0.500 | 41.75 | 1 | 17.4 | 60.4 | 612 | 148.5 | 15.55 |
| ZT5 | 40m | 7.59 | 108 | 13.840 | 8.5863 | <0.50 | <0.50 | 0.925 | 0.5 | 1.5 | 1.25 | 3.25 | <1.00 | 1 | 35.5 | 1 | 9.2 | 46.2 | 530 | 83.45 | 9.22 |
| ZT6 | 50m | 7.65 | 107 | 11.993 | 8.5589 | <0.50 | <0.50 | 1.04 | <0.500 | 1.75 | 1.25 | 3.25 | <1.00 | 1 | 34.5 | <1.00 | 10.5 | 46.5 | 521 | 72.2 | 8.51 |
| ZT7 | 60m | 7.59 | 108 | 11.410 | 8.4790 | <0.50 | <0.50 | 0.42 | 1.9 | 2.1 | 0.9 | 4.9 | <1.00 | 3 | 30.5 | 1 | 16.5 | 50.5 | 445 | 50.2 | 5.065 |
| ZT8 | 70m | 7.54 | 108 | 11.114 | 8.4577 | <0.50 | <0.50 | 0.34 | 3 | 1 | 0.8 | 4.8 | <1.00 | 8 | 30.5 | <1.00 | 11.6 | 50.6 | 401 | 38.6 | 3.545 |
| ZT9 | 80m | 7.7 | 109 | 11.015 | 8.3852 | <0.50 | <0.50 | 0.28 | 3.8 | 1.2 | 0.7 | 5.7 | <1.00 | 11 | 26.5 | 1 | 11.7 | 49.7 | 468 | 47.05 | 4.765 |
| ZT10 | 90m | 7.7 | 109 | 10.968 | 8.3019 | <0.50 | <0.50 | 0.19 | 4.7 | 1.3 | 0.75 | 6.75 | 1 | 18 | 25 | <1.00 | 7.05 | 51.05 | 431 | 41.5 | 4.27 |
| ZT11 | 100m | 7.59 | 109 | 10.936 | 8.2271 | <0.50 | <0.50 | 0.18 | 4.9 | 1.1 | 0.65 | 6.65 | <1.00 | 21 | 25.5 | 1 | 7.65 | 54.65 | 467 | 33.45 | 3.995 |
| ZT12 | 110m | 7.61 | 108 | 10.921 | 8.0697 | <0.50 | <0.50 | 0.175 | 6.1 | 0.9 | 0.65 | 7.65 | 1 | 24 | 26 | 1 | 4.1 | 55.1 | 460 | 34.35 | 3.375 |
| ZT13 | 120m | 7.69 | 109 | 10.905 | 7.9872 | <0.50 | <0.50 | 0.155 | 6.4 | 1.6 | 0.75 | 8.75 | <1.00 | 26 | 21.5 | 1 | 3.5 | 51.5 | 398 | 38.4 | 6.85 |
| ZT14 | 130m | 7.57 | 109 | 10.899 | 7.9611 | <0.50 | <0.50 | 0.135 | 6.1 | 1.9 | 0.9 | 8.9 | <1.00 | 26 | 27.5 | <1.00 | 6.2 | 60.2 | 433 | 35.25 | 5.01 |
| ZT15 | 140m | 7.55 | 110 | 10.899 | 7.4755 | <0.50 | <0.50 | 0.17 | 7.7 | 1.3 | 0.95 | 9.95 | <1.00 | 30 | 27.5 | 1 | 5.05 | 63.05 | 504 | 41.45 | 5.585 |
| ZT16 | 150m | 7.63 | 109 | 10.898 | 7.4908 | <0.50 | <0.50 | 0.225 | 7.8 | 1.2 | 1.2 | 10.2 | <1.00 | 31 | 32.5 | 3 | 8.35 | 72.35 | 405 | 47.2 | 6.895 |
| PartN = by wet digestion method, PN = by combustion furnace method | | | | | | | | | | | | | | | | | | | | | |

| Lake Taupo biannual nutrient database | | | | | | | | | | 2015-2016 | | | | Started 27 October 1994 | | | | | | | |
|---|-------|------|---------------------|-------|---------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Collection date 2 November 2015 | | | | | Secchi depth = 16 m | | | | | | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PartP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PartN* | TN | DOC | PC | PN** |
| | m | | μS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| UK1 | 1 | 7.86 | 119 | 13.42 | 10.43 | 0.51 | <0.50 | 0.43 | 1.3 | 1.7 | 1.1 | 4.1 | 0.5 | 0.4 | 48.1 | 4 | 9.5 | 58.5 | 507 | 98.1 | 8.6 |
| UK2 | 10 | 7.87 | 119 | 13.04 | 10.36 | 0.63 | <0.50 | 0.24 | 1.2 | 2.8 | 1.45 | 5.5 | 0.6 | 0.3 | 40.1 | <3 | 10.5 | 51.5 | 459 | 102.4 | 9.3 |
| UK3 | 20 | 7.91 | 120 | 12.89 | 10.45 | 0.67 | <0.50 | 0.5 | 0.9 | 2.1 | 2.1 | 5.1 | 0.3 | 0.3 | 40.4 | <3 | 19 | 60.0 | 466 | 122.0 | 10.7 |
| UK4 | 30 | 7.89 | 119 | 12.17 | 10.44 | 0.78 | <0.50 | 0.5 | 1.2 | 1.8 | 2.2 | 5.2 | 0.2 | 0.2 | 38.6 | <3 | 17.2 | 56.2 | 460 | 183.5 | 15.7 |
| UK5 | 40 | 7.84 | 119 | 11.67 | 10.35 | 0.65 | <0.50 | 0.71 | 1.1 | 1.9 | 2.75 | 5.8 | 0.3 | 0.1 | 41.6 | <3 | 20.3 | 62.3 | 523 | 120.5 | 12.8 |
| UK6 | 50 | 7.77 | 119 | 10.92 | 10.18 | 0.75 | <0.50 | 0.885 | 1.2 | 1.8 | 1.9 | 4.9 | 0.9 | 0.4 | 32.7 | <3 | 14.5 | 48.5 | 449 | 152.0 | 15.3 |
| UK7 | 60 | 7.69 | 119 | 10.77 | 9.98 | 0.76 | <0.50 | 1.29 | 1.5 | 1.5 | 1.85 | 4.9 | 0.5 | 0.2 | 34.3 | <3 | 12.4 | 47.4 | 411 | 86.1 | 7.3 |
| UK8 | 70 | 7.62 | 120 | 10.74 | 9.96 | 0.63 | <0.50 | 1.59 | 1.6 | 1.4 | 2 | 5.0 | 0.4 | 0.6 | 37.0 | <3 | 12.5 | 50.5 | 426 | 85.2 | 6.7 |
| UK9 | 80 | 7.62 | 120 | 10.73 | 9.85 | <0.50 | <0.50 | 1.32 | 1.9 | 0.1 | 1.7 | 3.7 | 0.7 | 1.7 | 37.6 | <3 | 10.3 | 50.3 | 450 | 74.9 | 7.1 |
| UK10 | 90 | 7.62 | 120 | 10.72 | 9.83 | <0.50 | <0.50 | 1.5 | 2 | 1.0 | 1.95 | 5.0 | 1.2 | 2 | 33.8 | <3 | 10.2 | 47.2 | 420 | 68.8 | 6.5 |
| UK11 | 100 | 7.61 | 119 | 10.71 | 9.81 | 0.54 | <0.50 | 1.42 | 1.7 | 1.3 | 2.15 | 5.2 | 0.6 | 2.5 | 33.9 | <3 | 11.6 | 48.6 | 411 | 59.8 | 5.9 |
| UK12 | 110 | 7.6 | 119 | 10.71 | 9.80 | 0.76 | <0.50 | 1.06 | 2 | 2.0 | 1.9 | 5.9 | 0.7 | 2.5 | 31.8 | <3 | 13.6 | 48.6 | 427 | 66.8 | 7.2 |
| UK13 | 120 | 7.63 | 119 | 10.70 | 9.73 | 0.78 | <0.50 | 1.26 | 2.2 | 0.8 | 1.95 | 5.0 | 0.8 | 3.7 | 30.5 | <3 | 9.75 | 44.8 | 422 | 51.1 | 6.4 |
| UK14 | 130 | 7.6 | 120 | 10.70 | 9.75 | 0.69 | <0.50 | 1.45 | 2.1 | 0.9 | 1.7 | 4.7 | 0.5 | 3.9 | 32.6 | <3 | 8.75 | 45.8 | 469 | 53.4 | 5.7 |
| UK15 | 140 | 7.6 | 119 | | | 0.59 | <0.50 | 1.28 | 2.2 | 1.8 | 1.95 | 6.0 | 1.1 | 4.4 | 31.5 | <3 | 10 | 47.0 | 459 | 64.4 | 6.6 |
| UK16 | 150 | 7.52 | 120 | | | 0.58 | <0.50 | 1.26 | 2.4 | 0.6 | 1.4 | 4.4 | 2 | 4.2 | 30.8 | <3 | 8.3 | 45.3 | 436 | 69.7 | 7.6 |
| NH ₄ , NO ₃ , DON, Urea all as N * = PN by wet digestion method, ** = PN by combustion furnace method. | | | | | | | | | | | | | | | | | | | | | |
| Detection limits: DRP 0.5; NO ₃ -N 0.5; NH ₄ -N 1.0 mg m ⁻³ | | | | | | | | | | | | | | | | | | | | | |
| New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels. | | | | | | | | | | | | | | | | | | | | | |
| FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO ₃ -N, and NH ₄ -N below nominal detection limit. | | | | | | | | | | | | | | | | | | | | | |

| Lake Taupo biannual nutrient database | | | | | | 2014-2015 | | | | | | Started 27 October 1994 | | | | | | | | | |
|---------------------------------------|-------|------|---------------------|-------|-------------------|-----------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Collection date 25 November 2014 | | | | | | Secchi depth = 12 m | | | | | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** |
| | m | | μS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| CK1 | 1 | 7.70 | 118 | 14.55 | 10.03 | <0.5 | <0.5 | 0.4 | 0.8 | 2.2 | 0.8 | 3.8 | 1.0 | <0.5 | 42.0 | 2 | 7.0 | 50.0 | 546 | 119.5 | 13.5 |
| CK2 | 10 | 7.75 | 118 | 13.58 | 10.18 | 0.6 | <0.5 | 0.8 | 0.8 | 1.2 | 1.2 | 3.2 | <1.0 | <0.5 | 47.0 | <1 | 9.3 | 56.3 | 563 | 139.5 | 13.6 |
| CK3 | 20 | 7.75 | 118 | 13.44 | 10.20 | 0.7 | <0.5 | 0.9 | 0.9 | 2.1 | 1.3 | 4.3 | <1.0 | <0.5 | 40.0 | <1 | 11.0 | 51.0 | 748 | 151.5 | 16.9 |
| CK4 | 30 | 7.73 | 118 | 13.32 | 10.18 | <0.5 | <0.5 | 0.9 | 0.8 | 2.2 | 1.4 | 4.4 | <1.0 | <0.5 | 38.0 | <1 | 10.8 | 48.8 | 584 | 119.5 | 10.6 |
| CK5 | 40 | 7.68 | 118 | 12.57 | 9.93 | <0.5 | <0.5 | 0.7 | 1.0 | 2.0 | 1.0 | 4.0 | <1.0 | <0.5 | 37.0 | <1 | 7.4 | 44.4 | 522 | 103.7 | 12.5 |
| CK6 | 50 | 7.74 | 118 | 11.56 | 9.88 | <0.5 | <0.5 | 0.7 | 1.0 | 1.7 | 1.7 | 4.4 | <1.0 | 0.5 | 37.0 | <1 | 10.6 | 48.1 | 538 | 83.7 | 10.8 |
| CK7 | 60 | 7.68 | 118 | 11.32 | 9.79 | <0.5 | <0.5 | 0.8 | 1.1 | 1.9 | 1.1 | 4.1 | <1.0 | <0.5 | 40.0 | <1 | 7.4 | 47.4 | 715 | 74.5 | 8.9 |
| CK8 | 70 | 7.68 | 118 | 11.25 | 9.76 | <0.5 | <0.5 | 0.7 | 1.1 | 1.9 | 1.4 | 4.4 | <1.0 | 0.6 | 36.4 | 1 | 8.7 | 45.7 | 677 | 75.0 | 7.6 |
| CK9 | 80 | 7.62 | 118 | 11.19 | 9.69 | <0.5 | <0.5 | 0.7 | 1.1 | 1.9 | 1.0 | 4.0 | 1.1 | 0.8 | 35.1 | 1 | 6.0 | 43.0 | 663 | 62.8 | 7.3 |
| CK10 | 90 | 7.55 | 118 | 11.15 | 9.58 | <0.5 | <0.5 | 0.8 | 1.0 | 1.7 | 1.1 | 3.8 | <1.0 | 1.8 | 35.2 | <1 | 6.5 | 43.5 | 505 | 53.7 | 7.6 |
| CK11 | 100 | 7.55 | 119 | 11.13 | 9.38 | <0.5 | <0.5 | 0.8 | 1.4 | 2.6 | 1.3 | 5.3 | <1.0 | 5.9 | 36.1 | 1 | 7.8 | 49.8 | 543 | 50.2 | 7.9 |
| CK12 | 110 | 7.56 | 119 | 11.11 | 9.27 | <0.5 | <0.5 | 0.8 | 1.5 | 1.5 | 1.2 | 4.2 | <1.0 | 4.4 | 35.6 | <1 | 7.2 | 47.2 | 656 | 86.3 | 8.8 |
| CK13 | 120 | 7.46 | 119 | 11.09 | 9.15 | <0.5 | <0.5 | 0.8 | 1.9 | 2.1 | 1.5 | 5.5 | <1.0 | 8.6 | 34.4 | <1 | 8.0 | 51.0 | 535 | 65.9 | 8.8 |
| CK14 | 130 | 7.59 | 119 | 11.07 | 9.11 | <0.5 | <0.5 | 0.9 | 1.8 | 2.2 | 1.7 | 5.7 | <1.0 | 9.0 | 33.0 | 1 | 8.4 | 50.4 | 644 | 62.4 | 10.1 |
| CK15 | 140 | 7.45 | 118 | 11.05 | 8.87 | <0.5 | <0.5 | 1.0 | 2.4 | 1.6 | 2.1 | 6.1 | <1.0 | 13.7 | 36.3 | <1 | 10.2 | 60.2 | 515 | 58.3 | 9.5 |
| CK16 | 150 | 7.58 | 119 | 11.05 | 8.72 | 0.5 | <0.5 | 1.1 | 2.8 | 2.2 | 1.7 | 6.7 | <1.0 | 16.3 | 33.7 | 1 | 8.6 | 58.6 | 524 | 67.5 | 9.6 |
| Collection date 9 April 2015 | | | | | | Secchi depth = not measured | | | | | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** |
| | m | | μS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| JS1 | 1 | 7.8 | 118 | 18.11 | 9.32 | <0.5 | <0.5 | 1.0 | 0.2 | 0.8 | 2.0 | 3.1 | 0.6 | 0.2 | 54.3 | 3 | 18.0 | 73.0 | 617 | 107.0 | 11.3 |
| JS2 | 10 | 7.8 | 118 | 18.02 | 9.26 | <0.5 | <0.5 | 1.2 | 0.4 | 1.4 | 2.2 | 4.0 | 0.3 | 0.3 | 53.4 | 5 | 18.4 | 72.4 | 584 | 136.5 | 12.5 |
| JS3 | 20 | 7.9 | 118 | 17.99 | 9.32 | <0.5 | <0.5 | 1.1 | 0.5 | 0.0 | 2.0 | 2.5 | 0.7 | 0.1 | 62.2 | <1 | 15.0 | 78.0 | 563 | 108.5 | 9.8 |
| JS4 | 30 | 7.8 | 118 | 15.33 | 9.44 | <0.5 | <0.5 | 0.7 | 0.4 | 0.9 | 1.5 | 2.8 | 3.4 | 0.1 | 51.5 | <1 | 14.7 | 69.7 | 540 | 102.9 | 8.7 |
| JS5 | 40 | 7.7 | 118 | 12.99 | 9.75 | <0.5 | <0.5 | 1.5 | 0.5 | 0.1 | 1.7 | 2.2 | 0.6 | 0.0 | 41.4 | 1 | 13.1 | 55.1 | 473 | 111.0 | 8.2 |
| JS6 | 50 | 7.7 | 118 | 11.93 | 9.51 | <0.5 | <0.5 | 1.2 | 1.1 | 0.0 | 1.4 | 2.5 | 0.0 | 2.2 | 37.8 | 1 | 10.4 | 50.4 | 484 | 71.4 | 6.9 |
| JS7 | 60 | 7.7 | 118 | 11.54 | 8.88 | <0.5 | <0.5 | 1.2 | 1.2 | 0.0 | 1.3 | 2.5 | 0.1 | 1.1 | 40.8 | 1 | 10.8 | 52.8 | 437 | 61.4 | 6.0 |
| JS8 | 70 | 7.6 | 118 | 11.34 | 8.86 | <0.5 | <0.5 | 0.8 | 1.6 | 0.6 | 0.9 | 3.1 | 0.4 | 2.4 | 36.2 | 1 | 7.6 | 46.6 | 462 | 62.5 | 5.1 |
| JS9 | 80 | 7.5 | 118 | 11.28 | 8.53 | <0.5 | <0.5 | 0.4 | 2.3 | 1.3 | 0.9 | 4.4 | 0.0 | 9.0 | 31.0 | <1 | 6.5 | 46.5 | 440 | 44.7 | 3.9 |
| JS10 | 90 | 7.5 | 119 | 11.23 | 8.36 | <0.5 | <0.5 | 0.3 | 4.4 | 0.3 | 0.9 | 5.5 | 0.1 | 12.3 | 31.7 | 1 | 5.9 | 49.9 | 462 | 50.4 | 3.5 |
| JS11 | 100 | 7.6 | 118 | 11.21 | 8.17 | <0.5 | <0.5 | 0.3 | 2.5 | 2.2 | 0.8 | 5.5 | 0.0 | 10.4 | 31.6 | <1 | 5.5 | 47.5 | 415 | 54.1 | 3.7 |
| JS12 | 110 | 7.5 | 118 | 11.18 | 8.05 | <0.5 | <0.5 | 0.2 | 5.0 | 0.8 | 0.7 | 6.5 | 0.1 | 16.1 | 32.8 | <1 | 5.1 | 54.1 | 500 | 43.0 | 4.7 |
| JS13 | 120 | 7.5 | 119 | 11.16 | 8.07 | <0.5 | <0.5 | 0.1 | 8.2 | 0.0 | 1.0 | 9.2 | 0.7 | 24.7 | 34.7 | <1 | 3.4 | 63.4 | 474 | 28.1 | 3.1 |
| JS14 | 130 | 7.5 | 119 | 11.14 | 7.68 | <0.5 | <0.5 | 0.1 | 6.2 | 1.7 | 1.0 | 8.8 | 0.0 | 25.7 | 38.3 | 1 | 3.5 | 67.5 | 503 | 48.0 | 2.9 |
| JS15 | 140 | 7.4 | 119 | 11.14 | 7.23 | <0.5 | <0.5 | 0.1 | 11.1 | 0.8 | 1.4 | 13.2 | 0.0 | 30.5 | 37.4 | <1 | 7.2 | 75.2 | 494 | 69.0 | 4.9 |
| JS16 | 150 | 7.5 | 119 | 11.14 | 7.03 | <0.5 | <0.5 | 0.3 | 15.8 | 0.0 | 1.5 | 17.3 | 0.0 | 39.5 | 37.5 | <1 | 4.9 | 81.9 | 563 | 61.7 | 4.9 |

NH₄, NO₃, DON, Urea all as N * = PN by wet digestion method, ** = PN by combustion furnace method.

Temp & DO data for 9 April are the average of profiles on 25 March and 21 April

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

No actual profile taken

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

| Lake Taupo biannual nutrient database | | | | | | | | | | 2013-2014 | | | | | Started 27 October 1994 | | | | | | |
|---------------------------------------|-------|------|---------------------|-------|-------------------|-------------------|-------------------|--------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Collection date 7 November 2013 | | | | | | | | | | Secchi depth = 10.0 m | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** |
| | m | | µS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| JK1 | 1 | 7.97 | 120 | 13.53 | 10.3 | 0.6 | 0.3 | 0.7 | 2.3 | 2.1 | 2.0 | 6.4 | 0.3 | 1.2 | 53.5 | 2 | 15.2 | 70.2 | 563 | 119.5 | 12.0 |
| JK2 | 10 | 7.90 | 121 | 13.42 | 10.3 | 0.9 | 0.4 | 1.3 | 2.0 | 3.1 | 2.9 | 8.0 | 0.0 | 0.1 | 43.9 | <1 | 21.0 | 65.0 | 570 | 168.5 | 17.4 |
| JK3 | 20 | 7.84 | 120 | 13.12 | 10.1 | 0.8 | 0.4 | 1.3 | 1.8 | 2.1 | 2.9 | 6.8 | 0.0 | 0.0 | 45.0 | <1 | 21.2 | 66.2 | 547 | 167.0 | 18.4 |
| JK4 | 30 | 7.84 | 120 | 12.23 | 9.9 | 0.8 | 0.4 | 1.0 | 1.5 | 2.6 | 2.2 | 6.3 | 0.3 | 0.4 | 46.3 | <1 | 13.5 | 60.5 | 512 | 109.5 | 10.4 |
| JK5 | 40 | 7.77 | 119 | 11.81 | 9.7 | 0.7 | 0.3 | 1.1 | 1.9 | 2.7 | 2.2 | 6.8 | 1.0 | 0.8 | 37.2 | 1 | 13.2 | 52.2 | 487 | 83.4 | 7.7 |
| JK6 | 50 | 7.73 | 119 | 11.55 | 9.7 | 0.6 | 0.2 | 1.2 | 2.3 | 1.7 | 2.4 | 6.4 | 0.5 | 1.2 | 36.3 | 1 | 13.7 | 51.7 | 496 | 101.9 | 9.4 |
| JK7 | 60 | 7.79 | 121 | 11.42 | 9.5 | 0.6 | 0.2 | 1.2 | 3.3 | 0.9 | 2.5 | 6.7 | 0.3 | 6.2 | 34.5 | <1 | 12.7 | 53.7 | 530 | 57.1 | 8.9 |
| JK8 | 70 | 7.64 | 121 | 11.30 | 9.3 | 0.6 | 0.2 | 1.0 | 3.8 | 1.6 | 2.3 | 7.7 | 0.3 | 8.3 | 36.4 | 1 | 12.2 | 57.2 | 477 | 46.8 | 7.9 |
| JK9 | 80 | 7.66 | 121 | 11.23 | 9.2 | 0.6 | 0.2 | 1.0 | 4.4 | 1.2 | 2.3 | 7.9 | 0.2 | 10.7 | 34.1 | 1 | 11.2 | 56.2 | 483 | 42.5 | 7.5 |
| JK10 | 90 | 7.63 | 121 | 11.19 | 9.0 | 0.5 | 0.1 | 0.9 | 5.0 | 1.1 | 2.3 | 8.4 | 0.0 | 12.3 | 35.7 | <1 | 10.9 | 58.9 | 479 | 44.4 | 6.6 |
| JK11 | 100 | 7.73 | 123 | 11.17 | 8.9 | 0.5 | 0.1 | 0.9 | 4.5 | 2.5 | 2.2 | 9.2 | 0.6 | 12.5 | 33.9 | 1 | 11.1 | 58.1 | 485 | 68.9 | 6.3 |
| JK12 | 110 | 7.66 | 121 | 11.15 | 8.7 | 0.4 | 0.1 | 0.8 | 5.3 | 1.4 | 2.1 | 8.8 | 0.2 | 13.2 | 28.6 | 1 | 10.0 | 52.0 | 484 | 49.1 | 7.1 |
| JK13 | 120 | 7.69 | 120 | 11.14 | 8.5 | 0.5 | 0.1 | 1.0 | 4.2 | 1.2 | 2.2 | 7.6 | 0.2 | 12.2 | 35.6 | <1 | 10.0 | 58.0 | 483 | 38.7 | 7.6 |
| JK14 | 130 | 7.67 | 119 | 11.13 | 8.2 | 0.4 | 0.2 | 0.9 | 4.5 | 1.3 | 2.5 | 8.3 | 0.4 | 14.7 | 34.9 | <1 | 11.8 | 61.8 | 484 | 43.5 | 7.3 |
| JK15 | 140 | 7.69 | 120 | 11.12 | 8.1 | 0.4 | 0.1 | 0.9 | 5.3 | 2.0 | 2.1 | 9.4 | 0.0 | 15.7 | 38.3 | 2 | 10.1 | 64.1 | 485 | 41.7 | 5.9 |
| JK16 | 150 | 7.66 | 121 | 11.12 | 8.0 | 0.6 | 0.1 | 0.9 | 5.5 | 1.7 | 2.2 | 9.4 | 0.0 | 16.1 | 37.9 | <1 | 11.6 | 65.6 | 494 | 57.2 | 7.3 |
| Collection date 9 April 2014 | | | | | | | | | | Secchi depth = 16.75 m | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** |
| | m | | µS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| RQ1 | 1 | 7.91 | 119 | 18.56 | 9.2 | <0.5 | <0.5 | 0.6 | 0.6 | 1.4 | 1.0 | 3.0 | 1.9 | 0.1 | 75.0 | 10 | 11.4 | 88.4 | 721 | 120.5 | 8.8 |
| RQ2 | 10 | 7.92 | 120 | 18.53 | 9.2 | <0.5 | <0.5 | 0.9 | 1.4 | 0.6 | 1.7 | 3.7 | 0.1 | 0.0 | 48.9 | <2 | 16.4 | 65.4 | 672 | 133.5 | 12.1 |
| RQ3 | 20 | 7.89 | 120 | 18.52 | 9.2 | <0.5 | <0.5 | 0.5 | 1.6 | 0.4 | 1.5 | 3.5 | 0.7 | 0.0 | 51.3 | <2 | 14.1 | 66.1 | 697 | 113.0 | 11.4 |
| RQ4 | 30 | 7.83 | 120 | 17.76 | 9.0 | <0.5 | <0.5 | 1.0 | 1.4 | 0.6 | 1.5 | 3.5 | 0.1 | 0.1 | 48.8 | <2 | 14.1 | 63.1 | 644 | 134.5 | 11.0 |
| RQ5 | 40 | 7.69 | 119 | 12.99 | 8.5 | <0.5 | <0.5 | 1.2 | 2.0 | 3.0 | 1.5 | 6.5 | 0.2 | 0.5 | 40.3 | <2 | 13.3 | 54.3 | 497 | 79.7 | 6.8 |
| RQ6 | 50 | 7.56 | 120 | 11.87 | 8.4 | <0.5 | <0.5 | 0.7 | 2.6 | 1.4 | 1.2 | 5.2 | 0.4 | 2.5 | 39.1 | <2 | 8.0 | 50.0 | 457 | 66.8 | 6.1 |
| RQ7 | 60 | 7.66 | 119 | 11.58 | 8.3 | <0.5 | <0.5 | 0.5 | 3.1 | 0.9 | 0.9 | 4.9 | 0.5 | 5.3 | 35.2 | <2 | 5.5 | 46.5 | 462 | 56.5 | 4.8 |
| RQ8 | 70 | 7.60 | 121 | 11.45 | 8.3 | <0.5 | <0.5 | 0.3 | 3.1 | 0.9 | 0.7 | 4.7 | 0.1 | 7.7 | 35.2 | <2 | 4.6 | 47.6 | 434 | 45.5 | 3.6 |
| RQ9 | 80 | 7.52 | 120 | 11.38 | 8.1 | <0.5 | <0.5 | 0.2 | 4.1 | 0.9 | 0.7 | 5.7 | 0.5 | 12.5 | 35.0 | <2 | 5.1 | 53.1 | 433 | 37.8 | 3.5 |
| RQ10 | 90 | 7.73 | 124 | 11.35 | 8.1 | <0.5 | <0.5 | 0.2 | 5.0 | 1.0 | 0.7 | 6.7 | 0.1 | 16.6 | 27.3 | <2 | 5.0 | 49.0 | 440 | 40.4 | 2.9 |
| RQ11 | 100 | 7.68 | 120 | 11.33 | 8.0 | <0.5 | <0.5 | 0.1 | 5.5 | 1.5 | 0.6 | 7.6 | 0.7 | 20.9 | 30.4 | <2 | 4.7 | 56.7 | 443 | 31.2 | 3.5 |
| RQ12 | 110 | 7.64 | 122 | 11.31 | 7.8 | <0.5 | <0.5 | 0.1 | 5.1 | 1.9 | 0.7 | 7.7 | 0.1 | 21.9 | 32.0 | <2 | 4.4 | 58.4 | 436 | 33.2 | 3.1 |
| RQ13 | 120 | 7.44 | 121 | 11.30 | 7.7 | <0.5 | <0.5 | 0.1 | 6.3 | 1.7 | 0.6 | 8.6 | 0.3 | 24.1 | 32.6 | <2 | 4.9 | 61.9 | 461 | 30.3 | 2.7 |
| RQ14 | 130 | 7.56 | 119 | 11.28 | 7.6 | <0.5 | <0.5 | 0.1 | 6.3 | 1.7 | 0.6 | 8.6 | 0.4 | 24.4 | 30.2 | 2 | 6.4 | 61.4 | 433 | 29.9 | 2.7 |
| RQ15 | 140 | 7.36 | 122 | 11.27 | 7.2 | <0.5 | <0.5 | 0.1 | 7.9 | 1.1 | 0.7 | 9.7 | 0.5 | 32.0 | 30.5 | <2 | 6.0 | 69.0 | 446 | 29.6 | 2.5 |
| RQ16 | 150 | 7.35 | 122 | 11.26 | 6.7 | <0.5 | <0.5 | 0.1 | 8.3 | 1.7 | 1.0 | 11.0 | 0.2 | 35.7 | 33.1 | <2 | 9.4 | 78.4 | 494 | 38.7 | 3.4 |

NH₄, NO₃, DON, Urea all as N * = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

| Lake Taupo biannual nutrient database | | | | | 2012-2013 | | | | | | | | | | Started 27 October 1994 | | | | | | |
|---------------------------------------|-------|------|---------------------|-------|-----------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Collection date 24 October 2012 | | | | | Secchi depth = 13.6 m | | | | | | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** |
| | m | | µS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| RF1 | 1 | 7.70 | 118 | 12.29 | 9.63 | <0.5 | <0.5 | 0.4 | 1.3 | 0.7 | 1.3 | 3.3 | 0.4 | 1.5 | 36.1 | 3 | 9.6 | 47.6 | 502 | 94.8 | 9.5 |
| RF2 | 10 | 7.66 | 118 | 11.59 | 9.74 | 0.9 | <0.5 | 1.0 | 0.9 | 1.1 | 2.4 | 4.4 | 0.0 | 0.0 | 36.0 | <3 | 14.6 | 50.6 | 509 | 170.5 | 17.9 |
| RF3 | 20 | 7.56 | 119 | 11.55 | 9.68 | 0.9 | <0.5 | 1.0 | 1.4 | 1.6 | 2.7 | 5.7 | 2.2 | 0.0 | 34.8 | <3 | 17.2 | 54.2 | 751 | 159.5 | 17.1 |
| RF4 | 30 | 7.63 | 119 | 11.52 | 9.64 | 0.9 | <0.5 | 1.0 | 0.9 | 1.1 | 2.4 | 4.4 | 0.0 | 0.0 | 34.0 | <3 | 15.7 | 49.7 | 608 | 196.5 | 18.1 |
| RF5 | 40 | 7.62 | 118 | 11.51 | 9.51 | 0.9 | <0.5 | 1.0 | 0.8 | 2.2 | 2.3 | 5.3 | 0.0 | 0.0 | 38.0 | <3 | 13.2 | 51.2 | 543 | 161.0 | 17.0 |
| RF6 | 50 | 7.72 | 118 | 11.49 | 9.55 | 0.8 | <0.5 | 1.2 | 1.0 | 2.0 | 2.3 | 5.3 | 0.2 | 0.0 | 33.8 | <3 | 13.7 | 47.7 | 530 | 155.5 | 16.8 |
| RF7 | 60 | 7.60 | 119 | 11.43 | 9.34 | 1.4 | 0.7 | 1.3 | 1.5 | 1.5 | 2.5 | 5.5 | 0.1 | 0.0 | 34.9 | <3 | 14.2 | 49.2 | 527 | 190.5 | 16.5 |
| RF8 | 70 | 7.65 | 118 | 11.37 | 9.41 | 0.8 | <0.5 | 1.5 | 1.1 | 0.9 | 2.4 | 4.4 | 0.0 | 0.2 | 31.8 | <3 | 13.8 | 45.8 | 528 | 134.0 | 16.7 |
| RF9 | 80 | 7.58 | 118 | 11.34 | 9.28 | 0.9 | <0.5 | 1.6 | 1.3 | 1.7 | 2.5 | 5.5 | 0.2 | 0.5 | 34.3 | <3 | 15.4 | 50.4 | 511 | 137.5 | 15.7 |
| RF10 | 90 | 7.56 | 119 | 11.29 | 9.29 | 0.9 | <0.5 | 1.5 | 1.3 | 0.7 | 2.5 | 4.5 | 0.3 | 0.2 | 40.5 | <3 | 14.4 | 55.4 | 516 | 145.0 | 18.2 |
| RF11 | 100 | 7.49 | 118 | 11.25 | 9.16 | 0.9 | <0.5 | 1.7 | 1.4 | 0.6 | 2.7 | 4.7 | 0.6 | 0.1 | 34.3 | <3 | 15.2 | 50.2 | 530 | 136.0 | 17.4 |
| RF12 | 110 | 7.61 | 118 | 11.18 | 9.13 | 0.9 | <0.5 | 1.7 | 1.5 | 1.5 | 2.5 | 5.5 | 0.0 | 0.8 | 55.2 | <3 | 14.6 | 70.6 | 543 | 125.0 | 17.3 |
| RF13 | 120 | 7.54 | 119 | 11.10 | 8.96 | 0.7 | <0.5 | 1.6 | 2.0 | 1.0 | 2.3 | 5.3 | 1.6 | 3.4 | 42.0 | <3 | 12.7 | 59.7 | 504 | 83.1 | 15.0 |
| RF14 | 130 | 7.54 | 119 | 11.00 | 8.97 | 0.7 | <0.5 | 1.6 | 1.7 | 0.3 | 2.3 | 4.3 | 1.1 | 3.2 | 33.7 | <3 | 13.0 | 51.0 | 504 | 105.2 | 14.1 |
| RF15 | 140 | 7.55 | 119 | 10.97 | 8.77 | 0.7 | <0.5 | 1.6 | 2.0 | 1.0 | 3.1 | 6.1 | 0.7 | 2.7 | 33.6 | <3 | 14.1 | 51.1 | 503 | 99.2 | 16.8 |
| RF16 | 150 | 7.57 | 119 | 10.91 | 8.57 | 0.8 | <0.5 | 1.6 | 1.8 | 1.2 | 3.0 | 6.0 | 0.0 | 0.7 | 36.3 | <3 | 22.3 | 59.3 | 530 | 110.0 | 18.8 |
| Collection date 4 April 2013 | | | | | Secchi depth = 18.0 m | | | | | | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** |
| | m | | µS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| ZE1 | 1 | 8.12 | 119 | 19.58 | 9.11 | 0.3 | 0.3 | 1.5 | 0.0 | 2.9 | 1.5 | 4.4 | 0.8 | 0.4 | 59.8 | <3 | 21.9 | 82.9 | 682 | 154.5 | 20.1 |
| ZE2 | 10 | 7.97 | 120 | 19.48 | 13.37 | 0.4 | 0.3 | 1.4 | 0.2 | 2.2 | 1.4 | 3.8 | 0.0 | 0.2 | 51.8 | <3 | 16.5 | 68.5 | 619 | 143.5 | 16.8 |
| ZE3 | 20 | 7.96 | 120 | 19.45 | 9.73 | 0.3 | 0.3 | 1.4 | 0.3 | 2.0 | 1.2 | 3.5 | 0.0 | 0.0 | 49.0 | <3 | 14.6 | 63.6 | 607 | 122.5 | 16.1 |
| ZE4 | 30 | 7.85 | 121 | 15.96 | 10.07 | 0.4 | 0.3 | 1.2 | 0.3 | 2.1 | 1.7 | 4.1 | 0.8 | 0.9 | 49.3 | <3 | 16.0 | 67.0 | 618 | 134.0 | 16.3 |
| ZE5 | 40 | 7.73 | 119 | 12.95 | 9.90 | 0.3 | 0.2 | 1.0 | 0.5 | 1.4 | 1.0 | 2.9 | 0.5 | 0.2 | 42.3 | <3 | 9.4 | 52.4 | 527 | 94.8 | 11.1 |
| ZE6 | 50 | 7.63 | 122 | 11.88 | 9.38 | 0.1 | 0.1 | 0.6 | 1.9 | 0.8 | 0.7 | 3.4 | 0.0 | 3.9 | 39.1 | <3 | 5.8 | 48.8 | 483 | 75.7 | 8.6 |
| ZE7 | 60 | 7.68 | 120 | 11.52 | 9.08 | - | - | 0.5 | 2.7 | 0.5 | 0.8 | 4.0 | 0.0 | 4.2 | 35.8 | <3 | 5.1 | 45.1 | 477 | 116.1 | 9.4 |
| ZE8 | 70 | 7.80 | 120 | 11.32 | 8.74 | 0.2 | 0.1 | 0.5 | 3.4 | 0.4 | 0.9 | 4.7 | 0.0 | 5.6 | 36.4 | <3 | 5.4 | 47.4 | 485 | 108.0 | 9.0 |
| ZE9 | 80 | 7.61 | 120 | 11.21 | 8.71 | 0.2 | 0.1 | 0.4 | 3.6 | 0.1 | 0.8 | 4.5 | 0.0 | 7.0 | 35.0 | <3 | 5.2 | 47.2 | 494 | 100.8 | 8.6 |
| ZE10 | 90 | 7.53 | 120 | 11.13 | 8.28 | 0.2 | 0.1 | 0.2 | 4.9 | 0.0 | 0.8 | 5.7 | 0.0 | 11.3 | 34.7 | <3 | 7.6 | 53.6 | 473 | 63.1 | 5.7 |
| ZE11 | 100 | 7.55 | 120 | 11.09 | 8.06 | 0.1 | 0.1 | 0.2 | 5.9 | 0.0 | 0.8 | 6.7 | 0.0 | 15.7 | 37.3 | <3 | 6.0 | 59.0 | 456 | 50.1 | 6.3 |
| ZE12 | 110 | 7.47 | 120 | 11.06 | 7.86 | 0.1 | 0.1 | 0.1 | 6.9 | 0.0 | 0.8 | 7.7 | 0.0 | 18.4 | 35.6 | <3 | 5.3 | 59.3 | 477 | 54.2 | 5.9 |
| ZE13 | 120 | 7.50 | 121 | 11.05 | 7.73 | 0.2 | 0.1 | 0.1 | 9.7 | 0.0 | 0.9 | 10.6 | 0.0 | 24.6 | 36.4 | <3 | 5.5 | 66.5 | 468 | 63.9 | 6.5 |
| ZE14 | 130 | 7.48 | 120 | 11.03 | 7.69 | 0.3 | 0.1 | 0.1 | 12.4 | 0.0 | 1.4 | 13.8 | 0.0 | 29.9 | 38.1 | <3 | 6.8 | 74.8 | 464 | 76.8 | 6.7 |
| ZE15 | 140 | 7.46 | 120 | 11.02 | 7.57 | 0.3 | 0.1 | 0.1 | 14.4 | 0.0 | 1.7 | 16.1 | 0.3 | 32.8 | 42.9 | <3 | 8.0 | 84.0 | 464 | 65.3 | 7.5 |
| ZE16 | 150 | 7.58 | 123 | 11.00 | 7.23 | 0.3 | 0.1 | 0.1 | 13.2 | 0.0 | 1.4 | 14.6 | 0.0 | 30.7 | 35.3 | <3 | 6.5 | 72.5 | 474 | 49.7 | 6.7 |

NH₄, NO₃, DON, Urea all as N * = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

| Lake Taupo biannual nutrient database | | | | | 2011-2012 | | | | | | | | | | Started 27 October 1994 | | | | | | | |
|---|-------|------|---------------------|-------|---|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Collection date 22 November 2011 | | | | | Secchi depth = 18.0 m | | | | | | | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** | |
| | m | | μS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| ZH1 | 1 | 7.95 | 119.4 | 14.59 | 10.32 | 0.5 | 0.2 | 0.5 | 0.3 | 1.7 | 1.3 | 3.3 | 0.6 | 0.0 | 30.4 | <2 | 10.8 | 41.8 | 550 | 147.4 | 8.7 | |
| ZH2 | 10 | 7.94 | 119.1 | 14.55 | 11.18 | 0.5 | 0.3 | 0.5 | 0.3 | 1.7 | 1.7 | 3.7 | 0.3 | 0.0 | 35.7 | <2 | 11.6 | 47.6 | 552 | 129.9 | 7.1 | |
| ZH3 | 20 | 7.91 | 119.5 | 14.52 | 11.66 | 0.4 | 0.2 | 0.6 | 0.3 | 1.7 | 1.5 | 3.5 | 0.0 | 0.0 | 30.0 | <2 | 11.9 | 41.9 | 555 | 122.8 | 13.1 | |
| ZH4 | 30 | 7.91 | 119.2 | 14.20 | 11.57 | 0.4 | 0.3 | 0.6 | 0.4 | 1.6 | 1.6 | 3.6 | 0.6 | 0.0 | 27.4 | <2 | 12.3 | 40.3 | 550 | 124.9 | 13.5 | |
| ZH5 | 40 | 7.86 | 119.2 | 12.23 | 11.72 | 0.5 | 0.2 | 1.2 | 0.4 | 1.6 | 2.0 | 4.0 | 0.0 | 0.0 | 25.0 | <2 | 14.1 | 39.1 | 542 | 107.6 | 9.6 | |
| ZH6 | 50 | 7.83 | 118.0 | 11.36 | 11.61 | 0.3 | 0.2 | 1.2 | 0.4 | 1.6 | 1.9 | 3.9 | 1.0 | 0.1 | 22.9 | <2 | 13.0 | 37.0 | 526 | 105.2 | 18.2 | |
| ZH7 | 60 | 7.78 | 119.4 | 11.00 | 10.84 | 0.4 | 0.2 | 0.9 | 0.6 | 1.4 | 1.5 | 3.5 | 0.4 | 0.3 | 22.3 | <2 | 11.3 | 34.3 | 523 | 92.2 | 9.6 | |
| ZH8 | 70 | 7.76 | 119.6 | 10.89 | 10.79 | 0.2 | 0.1 | 0.7 | 0.8 | 2.2 | 1.3 | 4.3 | 0.3 | 0.5 | 28.2 | <2 | 9.7 | 38.7 | 528 | 65.6 | 5.9 | |
| ZH9 | 80 | 7.70 | 120.0 | 10.86 | 10.38 | 0.3 | 0.1 | 0.6 | 0.9 | 1.1 | 1.4 | 3.4 | 1.3 | 0.6 | 29.1 | <2 | 7.4 | 38.4 | 502 | 61.9 | 7.7 | |
| ZH10 | 90 | 7.65 | 119.6 | 10.83 | 10.30 | 0.3 | 0.2 | 0.6 | 0.8 | 1.2 | 1.3 | 3.3 | 1.3 | 0.9 | 24.8 | <2 | 7.5 | 34.5 | 522 | 49.7 | 9.5 | |
| ZH11 | 100 | 7.70 | 119.6 | 10.82 | 9.92 | 0.2 | 0.1 | 0.5 | 0.9 | 1.1 | 1.2 | 3.2 | 1.5 | 1.6 | 24.9 | <2 | 8.3 | 36.3 | 478 | 52.1 | 10.1 | |
| ZH12 | 110 | 7.65 | 119.2 | 10.80 | 9.93 | 0.2 | 0.1 | 0.6 | 1.0 | 1 | 1.3 | 3.3 | 0.9 | 1.1 | 27.0 | <2 | 8.1 | 37.1 | 527 | 47.3 | 12.6 | |
| ZH13 | 120 | 7.65 | 119.5 | 10.79 | 9.47 | 0.2 | 0.1 | 0.6 | 1.1 | 0.9 | 1.3 | 3.3 | 2.8 | 2.8 | 29.4 | <2 | 7.2 | 42.2 | 516 | 39.6 | 6.6 | |
| ZH14 | 130 | 7.69 | 119.5 | 10.78 | 9.39 | 0.3 | 0.1 | 0.6 | 1.1 | 1.9 | 1.1 | 4.1 | 1.7 | 2.8 | 33.5 | <2 | 7.6 | 45.6 | 513 | 44.9 | 9.1 | |
| ZH15 | 140 | 7.69 | 119.6 | 10.77 | 9.13 | 0.3 | 0.1 | 0.5 | 1.3 | 1.7 | 1.3 | 4.3 | 5.8 | 4.4 | 32.8 | <2 | 7.6 | 50.6 | 515 | 41.5 | 6.3 | |
| ZH16 | 150 | 7.63 | 119.7 | 10.76 | 9.06 | 0.3 | 0.1 | 0.4 | 1.2 | 1.8 | 1.3 | 4.3 | 5.7 | 4.5 | 30.8 | <2 | 3.7 | 44.7 | 544 | 50.7 | 6.6 | |
| Collection date 10 April 2012 | | | | | Secchi depth = 17.0 m | | | | | | | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** | |
| | m | | μS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| HC1 | 1 | 7.92 | 119 | 16.63 | 9.19 | <0.5 | <0.5 | 0.6 | 0.4 | 1.6 | 1.8 | 3.8 | 0.4 | 3.7 | 54.9 | 7 | 15.7 | 74.7 | 644 | 134.5 | 15.5 | |
| HC2 | 10 | 7.90 | 121 | 16.44 | 9.74 | <0.5 | <0.5 | 0.6 | 0.5 | 1.5 | 1.9 | 3.9 | 3.8 | 0.6 | 56.6 | 3 | 15.2 | 76.2 | 723 | 131.0 | 14.5 | |
| HC3 | 20 | 7.88 | 124 | 16.40 | 9.39 | <0.5 | <0.5 | 0.7 | 0.4 | 1.6 | 1.9 | 3.9 | 1.4 | 0.6 | 30.0 | <2 | 15.6 | 47.6 | 635 | 131.5 | 14.8 | |
| HC4 | 30 | 7.86 | 120 | 16.17 | 9.44 | <0.5 | <0.5 | 0.9 | 0.5 | 1.5 | 1.5 | 3.5 | 0.0 | 0.4 | 40.6 | <2 | 11.5 | 52.5 | 670 | 114.0 | 14.9 | |
| HC5 | 40 | 7.78 | 120 | 14.03 | 9.55 | <0.5 | <0.5 | 1.7 | 0.4 | 0.6 | 2.1 | 3.1 | 0.0 | 0.4 | 35.6 | <2 | 16.4 | 52.4 | 605 | 134.0 | 17.1 | |
| HC6 | 50 | 7.65 | 120 | 11.67 | 9.34 | <0.5 | <0.5 | 1.2 | 1.6 | 0.4 | 2.0 | 4.0 | 0.0 | 1.8 | 31.2 | <2 | 14.3 | 47.3 | 530 | 100.1 | 12.9 | |
| HC7 | 60 | 7.60 | 117 | 10.97 | 9.46 | <0.5 | <0.5 | 0.7 | 1.2 | 0.8 | 1.2 | 3.2 | 0.0 | 1.8 | 32.2 | <2 | 9.3 | 43.3 | 497 | 66.5 | 8.2 | |
| HC8 | 70 | 7.54 | 118 | 10.80 | 9.37 | <0.5 | <0.5 | 0.5 | 2.4 | 0.6 | 1.1 | 4.1 | 0.0 | 6.7 | 32.3 | <2 | 8.5 | 47.5 | 476 | 66.1 | 7.9 | |
| HC9 | 80 | 7.57 | 120 | 10.71 | 9.11 | <0.5 | <0.5 | 0.4 | 2.6 | 0.4 | 1.1 | 4.1 | 0.0 | 8.1 | 28.9 | <2 | 8.5 | 45.5 | 481 | 53.5 | 6.7 | |
| HC10 | 90 | 7.51 | 116 | 10.64 | 8.83 | <0.5 | <0.5 | 0.3 | 3.5 | 0.5 | 1.0 | 5.0 | 0.0 | 11.6 | 41.4 | <2 | 7.6 | 60.6 | 536 | 62.4 | 7.0 | |
| HC11 | 100 | 7.41 | 121 | 10.62 | 9.04 | <0.5 | <0.5 | 0.2 | 3.4 | 0.6 | 1.1 | 5.1 | 0.0 | 13.1 | 28.9 | <2 | 8.2 | 50.2 | 489 | 48.7 | 6.0 | |
| HC12 | 110 | 7.25 | 121 | 10.59 | 8.55 | <0.5 | <0.5 | 0.2 | 3.8 | 0.2 | 0.8 | 4.8 | 0.0 | 13.6 | 26.4 | 3 | 5.0 | 45.0 | 557 | 41.3 | 4.9 | |
| HC13 | 120 | 7.38 | 112 | 10.56 | 8.94 | <0.5 | <0.5 | 0.2 | 4.0 | 1 | 0.9 | 5.9 | 0.0 | 15.4 | 27.6 | <2 | 6.7 | 49.7 | 587 | 45.0 | 6.7 | |
| HC14 | 130 | 7.36 | 117 | 10.54 | 8.66 | <0.5 | <0.5 | 0.2 | 4.8 | 0.2 | 1.0 | 6.0 | 0.0 | 16.8 | 29.2 | <2 | 7.2 | 53.2 | 585 | 50.8 | 5.7 | |
| HC15 | 140 | 7.42 | 119 | 10.54 | 8.72 | <0.5 | <0.5 | 0.2 | 6.3 | 0.7 | 1.2 | 8.2 | 0.0 | 22.2 | 28.8 | <2 | 8.1 | 59.1 | 618 | 48.5 | 5.8 | |
| HC16 | 150 | 7.35 | 121 | 10.54 | 7.92 | <0.5 | <0.5 | 0.2 | 8.2 | 0 | 1.7 | 9.9 | 0.1 | 27.4 | 28.5 | <2 | 8.7 | 64.7 | 596 | 52.2 | 5.7 | |
| | | | | | DO sensor failed; indicative data from 14 March | | | | | | | | | | | | | | | | | |
| NH ₄ , NO ₃ , DON, Urea all as N | | | | | * = PN by wet digestion method, ** = PN by combustion furnace method. | | | | | | | | | | | | | | | | | |
| Detection limits: DRP 0.5; NO ₃ -N 0.5; NH ₄ -N 1.0 mg m ⁻³ | | | | | | | | | | | | | | | | | | | | | | |
| New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels. | | | | | | | | | | | | | | | | | | | | | | |
| FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO ₃ -N, and NH ₄ -N below nominal detection limit. | | | | | | | | | | | | | | | | | | | | | | |

| Lake Taupo biannual nutrient database | | | | | 2010-2011 | | | | | | | | | | Started 27 October 1994 | | | | | | | |
|---|-------|------|---------------------|-------|---|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| Collection date 10 November 2010 | | | | | Secchi depth = 11.5 m | | | | | | | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** | SO ₄ |
| | m | | µS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | g m ⁻³ |
| KD1 | 1 | 7.8 | 121 | 14.12 | 9.4 | 1.0 | <0.5 | 0.7 | 0.9 | 2.1 | 4.6 | 7.6 | 0.0 | 0.2 | 49.8 | <2 | 20.8 | 70.8 | 503 | 192.0 | 20.0 | 7.4 |
| KD2 | 10 | 7.82 | 120 | 13.46 | 9.1 | 0.8 | <0.5 | 0.7 | 0.6 | 2.4 | 2.0 | 5.0 | 0.0 | 0.1 | 41.9 | <2 | 12.1 | 54.1 | 478 | 182.5 | 12.1 | 7.5 |
| KD3 | 20 | 7.77 | 120 | 13.27 | 9.1 | 0.8 | <0.5 | 0.8 | 0.6 | 1.4 | 2.1 | 4.1 | 0.0 | 0.0 | 42.0 | <2 | 14.2 | 56.2 | 536 | 192.5 | 13.4 | 7.5 |
| KD4 | 30 | 7.8 | 119 | 12.24 | 9.0 | 0.7 | <0.5 | 1.1 | 0.5 | 1.5 | 2.2 | 4.2 | 0.2 | 0.0 | 40.8 | <2 | 14.2 | 55.2 | 500 | 211.0 | 13.2 | 7.6 |
| KD5 | 40 | 7.72 | 120 | 11.73 | 9.6 | 0.6 | <0.5 | 1.3 | 0.7 | 1.3 | 2.5 | 4.5 | 0.2 | 0.0 | 41.8 | <2 | 14.8 | 56.8 | 447 | 179.0 | 12.5 | 7.7 |
| KD6 | 50 | 7.73 | 119 | 11.33 | 9.9 | 0.9 | <0.5 | 1.6 | 1.0 | 1.0 | 2.6 | 4.6 | 0.0 | 0.0 | 42.0 | <2 | 14.7 | 56.7 | 443 | 173.5 | 13.7 | 7.8 |
| KD7 | 60 | 7.57 | 120 | 11.16 | 9.4 | 0.9 | <0.5 | 2.3 | 1.8 | 1.2 | 2.8 | 5.8 | 0.0 | 0.2 | 30.8 | <2 | 13.1 | 44.1 | 433 | 140.5 | 13.3 | 7.8 |
| KD8 | 70 | 7.67 | 120 | 11.03 | 8.3 | 0.9 | <0.5 | 2.5 | 0.8 | 2.2 | 2.8 | 5.8 | 0.0 | 0.2 | 44.8 | <2 | 13.1 | 58.1 | 437 | 150.0 | 14.0 | 7.9 |
| KD9 | 80 | 7.62 | 119 | 10.96 | 8.3 | 0.8 | <0.5 | 2.0 | 0.8 | 2.2 | 2.9 | 5.9 | 0.0 | 0.2 | 40.8 | <2 | 14.0 | 55.0 | 427 | 137.5 | 13.3 | 7.9 |
| KD10 | 90 | 7.57 | 120 | 10.89 | 8.3 | 0.6 | <0.5 | 2.2 | 0.8 | 3.2 | 2.7 | 6.7 | 0.0 | 1.6 | 39.4 | <2 | 13.2 | 54.2 | 423 | 70.3 | 10.0 | 8.0 |
| KD11 | 100 | 7.58 | 119 | 10.86 | 8.0 | <0.5 | <0.5 | 2.0 | 0.8 | 4.2 | 2.8 | 7.8 | 0.0 | 2.1 | 42.9 | <2 | 10.5 | 55.5 | 436 | 72.5 | 9.6 | 8.2 |
| KD12 | 110 | 7.54 | 120 | 10.83 | 8.0 | 0.5 | <0.5 | 2.1 | 1.1 | 2.9 | 2.6 | 6.6 | 0.0 | 2.7 | 40.3 | <2 | 11.7 | 54.7 | 428 | 73.4 | 9.9 | 8.0 |
| KD13 | 120 | 7.6 | 119 | 10.82 | 7.9 | 0.5 | <0.5 | 1.7 | 1.0 | 2.0 | 2.5 | 5.5 | 0.0 | 3.8 | 47.2 | <2 | 11.3 | 62.3 | 440 | 74.9 | 9.6 | 8.6 |
| KD14 | 130 | 7.62 | 120 | 10.80 | 8.1 | 3.3 | <0.5 | 2.1 | 0.8 | 2.2 | 3.1 | 6.1 | 0.0 | 7.3 | 37.7 | <2 | 12.8 | 57.8 | 432 | 83.7 | 10.9 | 8.6 |
| KD15 | 140 | 7.57 | 119 | 10.79 | 7.8 | 0.6 | <0.5 | 2.1 | 1.5 | 2.5 | 3.1 | 7.1 | 0.0 | 9.3 | 39.7 | <2 | 13.5 | 62.5 | 430 | 72.0 | 12.0 | 8.1 |
| KD16 | 150 | 7.55 | 120 | 10.80 | 8.1 | 0.8 | <0.5 | 2.8 | 1.6 | 2.4 | 4.3 | 8.3 | 0.0 | 10.8 | 41.2 | <2 | 17.0 | 69.0 | 442 | 87.1 | 14.8 | 8.0 |
| (for summations <1 use 0.5) | | | | | | | | | | | | | | | | | | | | | | |
| Collection date 13 April 2011 | | | | | Secchi depth = 17.0 m | | | | | | | | | | | | | | | | | |
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** | SO ₄ |
| | m | | µS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | g m ⁻³ |
| RL1 | 1 | 7.84 | 116 | 17.62 | 9.2 | 0.4 | 0.3 | 0.46 | 2.0 | 0.0 | 0.8 | 2.8 | 0.0 | 0.1 | 44.7 | <2 | 8.8 | 53.6 | 661 | 102.0 | 9.9 | 7.8 |
| RL2 | 10 | 7.74 | 116 | 17.65 | 9.6 | 0.4 | 0.2 | 0.64 | 1.9 | 0.1 | 1.1 | 3.1 | 0.2 | 0.2 | 43.1 | <2 | 10.8 | 54.3 | 684 | 109.5 | 9.5 | 7.8 |
| RL3 | 20 | 7.73 | 116 | 17.62 | 9.9 | 0.4 | 0.3 | 0.65 | 1.5 | 0.5 | 1.7 | 3.7 | 0.0 | 0.1 | 40.1 | <2 | 13.6 | 53.8 | 713 | 160.5 | 17.9 | 8.2 |
| RL4 | 30 | 7.75 | 117 | 17.61 | 9.9 | 0.4 | 0.3 | 0.59 | 1.5 | 0.5 | 1.3 | 3.3 | 0.8 | 0.1 | 43.2 | <2 | 12.1 | 56.2 | 669 | 139.0 | 14.7 | 8.1 |
| RL5 | 40 | 7.63 | 117 | 12.52 | 10.2 | 0.2 | 0.1 | 0.74 | 3.2 | 0.8 | 1.1 | 5.1 | 0.0 | 1.2 | 29.2 | <2 | 8.0 | 38.4 | 543 | 62.6 | 9.4 | 8.0 |
| RL6 | 50 | 7.68 | 118 | 11.63 | 9.8 | 0.2 | 0.2 | 0.67 | 3.0 | 0.0 | 1.0 | 4.0 | 0.0 | 4.0 | 27.8 | <2 | 7.3 | 39.1 | 587 | 58.7 | 5.0 | 7.9 |
| RL7 | 60 | 7.56 | 118 | 11.29 | 9.7 | 0.3 | 0.2 | 0.46 | 2.6 | 0.4 | 0.9 | 3.9 | 0.0 | 6.1 | 28.0 | <2 | 6.0 | 40.1 | 519 | 75.1 | 6.6 | 8.1 |
| RL8 | 70 | 7.54 | 118 | 11.14 | 9.1 | 0.2 | <0.1 | 0.18 | 2.7 | 0.3 | 1.0 | 4.0 | 0.0 | 8.7 | 25.8 | <2 | 6.7 | 41.2 | 519 | 62.5 | 8.5 | 8.0 |
| RL9 | 80 | 7.51 | 118 | 11.06 | 9.1 | 0.2 | <0.1 | 0.16 | 2.9 | 0.1 | 0.8 | 3.8 | 0.0 | 11.8 | 31.4 | <2 | 5.5 | 48.7 | 515 | 48.6 | 7.0 | 8.0 |
| RL10 | 90 | 7.45 | 118 | 11.00 | 8.5 | 0.2 | <0.1 | 0.15 | 3.4 | 0.6 | 0.9 | 4.9 | 0.9 | 14.0 | 26.3 | <2 | 5.4 | 46.6 | 501 | 56.4 | 5.6 | 7.8 |
| RL11 | 100 | 7.45 | 118 | 10.96 | 8.2 | 0.2 | 0.1 | 0.14 | 3.2 | 0.8 | 0.9 | 4.9 | 0.3 | 15.2 | 45.6 | <2 | 5.5 | 66.6 | 517 | 86.8 | 8.0 | 8.3 |
| RL12 | 110 | 7.40 | 118 | 10.92 | 8.1 | 0.2 | <0.1 | 0.17 | 4.4 | 0.6 | 0.9 | 5.9 | 0.0 | 20.8 | 46.4 | <2 | 4.1 | 71.3 | 512 | 41.0 | 4.2 | 7.8 |
| RL13 | 120 | 7.43 | 118 | 10.90 | 7.9 | 0.1 | <0.1 | 0.17 | 4.0 | 0.0 | 0.8 | 4.8 | 0.1 | 20.9 | 28.1 | <2 | 4.5 | 53.6 | 512 | 51.4 | 5.8 | 7.9 |
| RL14 | 130 | 7.45 | 118 | 10.88 | 7.5 | 0.2 | 0.1 | 0.16 | 4.5 | 0.5 | 1.0 | 6.0 | 0.8 | 23.4 | 43.4 | <2 | 5.3 | 72.9 | 532 | 50.0 | | 7.6 |
| RL15 | 140 | 7.49 | 117 | 10.87 | 7.5 | 0.2 | <0.1 | 0.17 | 5.1 | 0.9 | 1.0 | 7.0 | 0.2 | 25.1 | 33.3 | <2 | 5.5 | 64.1 | 527 | 49.8 | 7.6 | 7.9 |
| RL16 | 150 | 7.39 | 118 | 10.86 | 7.0 | 0.3 | <0.1 | 0.27 | 6.1 | 0.0 | 1.4 | 7.5 | 0.3 | 28.7 | 28.3 | <2 | 6.5 | 63.8 | 520 | 59.2 | 7.2 | 8.1 |
| NH ₄ , NO ₃ , DON, Urea all as N | | | | | * = PN by wet digestion method, ** = PN by combustion furnace method. | | | | | | | | | | | | | | | | | |
| Detection limits: DRP 0.5; NO ₃ -N 0.5; NH ₄ -N 1.0 mg m ⁻³ | | | | | | | | | | | | | | | | | | | | | | |
| New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels. | | | | | | | | | | | | | | | | | | | | | | |
| FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO ₃ -N, and NH ₄ -N below nominal detection limit. | | | | | | | | | | | | | | | | | | | | | | |

Lake Taupo biannual nutrient database

2009-2010

Started 27 October 1994

Collection date 9 October 2009

Secchi depth = 13.0 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| OT1 | 1 | 7.89 | 118 | 11.72 | 11.67 | 0.6 | <0.5 | 0.3 | 4.0 | <0.5 | 2.0 | 6.0 | 0.8 | <0.5 | 36.0 | 3 | 13.2 | 50.2 | 553 | 227.0 | 18.4 |
| OT2 | 10 | 7.87 | 121 | 11.25 | 12.13 | 0.7 | <0.5 | 0.5 | 3.5 | <0.5 | 2.2 | 5.7 | 0.5 | <0.5 | 39.3 | <1 | 14.0 | 54.0 | 538 | 267.0 | 20.2 |
| OT3 | 20 | 7.78 | 120 | 11.24 | 11.79 | 0.6 | <0.5 | 0.5 | 3.8 | <0.5 | 2.2 | 6.0 | 0.2 | <0.5 | 33.6 | 1 | 14.7 | 48.7 | 531 | 288.0 | 24.1 |
| OT4 | 30 | 7.87 | 120 | 11.20 | 11.78 | 0.6 | <0.5 | 0.5 | 4.0 | <0.5 | 2.4 | 6.4 | 0.4 | <0.5 | 31.4 | 1 | 14.4 | 46.4 | 531 | 264.0 | 21.3 |
| OT5 | 40 | 7.86 | 120 | 10.98 | 11.24 | 0.6 | <0.5 | 0.6 | 4.2 | <0.5 | 2.0 | 6.2 | 0.4 | <0.5 | 25.4 | 2 | 12.3 | 38.3 | 522 | 312.0 | 18.4 |
| OT6 | 50 | 7.73 | 121 | 10.67 | 11.10 | <0.5 | <0.5 | 0.7 | 4.6 | <0.5 | 2.0 | 6.6 | 1.0 | <0.5 | 34.8 | 2 | 12.1 | 48.1 | 521 | 214.2 | 18.5 |
| OT7 | 60 | 7.65 | 121 | 10.58 | 10.10 | <0.5 | <0.5 | 0.6 | 4.6 | <0.5 | 1.7 | 6.3 | 0.9 | <0.5 | 28.9 | <1 | 11.2 | 41.2 | 508 | 161.6 | 17.4 |
| OT8 | 70 | 7.70 | 121 | 10.53 | 10.02 | <0.5 | <0.5 | 0.5 | 4.6 | <0.5 | 1.9 | 6.5 | 0.8 | 1.2 | 34.0 | 1 | 10.2 | 46.2 | 505 | 88.9 | 22.7 |
| OT9 | 80 | 7.67 | 121 | 10.50 | 9.70 | <0.5 | <0.5 | 0.5 | 5.1 | <0.5 | 1.7 | 6.8 | 0.8 | 2.7 | 30.5 | 1 | 9.9 | 43.9 | 514 | 129.3 | 10.3 |
| OT10 | 90 | 7.62 | 122 | 10.49 | 9.72 | <0.5 | <0.5 | 0.4 | 4.9 | <0.5 | 1.4 | 6.3 | 0.9 | 4.7 | 40.4 | 2 | 8.2 | 54.2 | 493 | 121.1 | 9.4 |
| OT11 | 100 | 7.61 | 121 | 10.47 | 9.51 | <0.5 | <0.5 | 0.4 | 5.2 | <0.5 | 1.5 | 6.7 | 0.5 | 7.3 | 44.2 | 1 | 8.1 | 60.1 | 493 | 117.6 | 8.6 |
| OT12 | 110 | 7.62 | 121 | 10.46 | 9.50 | <0.5 | <0.5 | 0.2 | 5.7 | <0.5 | 1.2 | 6.9 | 0.8 | 7.6 | 34.6 | 1 | 7.5 | 50.5 | 494 | 105.6 | 10.4 |
| OT13 | 120 | 7.55 | 122 | 10.44 | 9.20 | <0.5 | <0.5 | 0.3 | 5.5 | <0.5 | 7.7 | 13.2 | 0.6 | 9.3 | 37.1 | 2 | 8.1 | 55.1 | 517 | 114.7 | 9.1 |
| OT14 | 130 | 7.62 | 122 | 10.43 | 9.18 | <0.5 | <0.5 | 0.3 | 5.9 | <0.5 | 1.7 | 7.6 | 0.5 | 12.2 | 31.3 | <1 | 9.6 | 53.6 | 504 | 125.3 | 10.1 |
| OT15 | 140 | 7.41 | 122 | 10.41 | 8.82 | <0.5 | <0.5 | 0.3 | 6.5 | <0.5 | 1.7 | 8.2 | 1.7 | 13.6 | 29.7 | 1 | 9.0 | 54.0 | 503 | 149.9 | 13.8 |
| OT16 | 150 | 7.71 | 120 | 10.41 | 8.79 | <0.5 | <0.5 | 0.5 | 3.4 | 0.6 | 1.6 | 5.6 | 0.4 | 1.0 | 30.6 | 1 | 10 | 42.0 | 491 | 135.0 | 12.2 |

Collection date 8 April 2010

Secchi depth = 21.5 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| YZ1 | 1 | 7.76 | 115 | 17.36 | 9.48 | 1.0 | <0.5 | 0.7 | 0.8 | 1.2 | 3.2 | 5.2 | 0.0 | 0.3 | 69.7 | 8 | 19.6 | 89.6 | 893 | 173.0 | 21.2 |
| YZ2 | 10 | 7.78 | 119 | 17.35 | 10.17 | <0.5 | <0.5 | 0.6 | 0.8 | 1.2 | 1.6 | 3.6 | 0.0 | 0.2 | 50.8 | <2 | 11.5 | 62.5 | 814 | 142.5 | 16.8 |
| YZ3 | 20 | 7.83 | 118 | 17.35 | 9.66 | 0.6 | <0.5 | 0.7 | 0.8 | 2.2 | 1.4 | 4.4 | 1.9 | 0.2 | 38.9 | <2 | 12.8 | 53.8 | 683 | 121.5 | 14.2 |
| YZ4 | 30 | 7.79 | 120 | 17.34 | 9.43 | <0.5 | <0.5 | 0.6 | 1.1 | 0.9 | 1.4 | 3.4 | 0.8 | 0.0 | 40.2 | <2 | 12.2 | 53.2 | 710 | 115.0 | 12.6 |
| YZ5 | 40 | 7.74 | 119 | 12.28 | 9.04 | <0.5 | <0.5 | 1.4 | 1.0 | 2.0 | 1.9 | 4.9 | 0.7 | 0.1 | 36.2 | <2 | 16.0 | 53.0 | 593 | 117.0 | 23.8 |
| YZ6 | 50 | 7.71 | 120 | 11.19 | 8.57 | <0.5 | <0.5 | 1.4 | 2.2 | 0.8 | 1.4 | 4.4 | 0.7 | 0.5 | 32.8 | <2 | 11.5 | 45.5 | 545 | 88.1 | 9.4 |
| YZ7 | 60 | 7.61 | 121 | 10.82 | 8.31 | <0.5 | <0.5 | 0.8 | 2.2 | 0.8 | 1.1 | 4.1 | 0.0 | 0.6 | 31.4 | <2 | 7.6 | 39.6 | 496 | 53.5 | 7.7 |
| YZ8 | 70 | 7.59 | 121 | 10.67 | 8.11 | <0.5 | <0.5 | 0.4 | 4.4 | 0.6 | 0.6 | 5.6 | 0.0 | 7.7 | 28.3 | <2 | 4.7 | 40.7 | 525 | 62.2 | 6.4 |
| YZ9 | 80 | 7.52 | 121 | 10.62 | 7.97 | <0.5 | <0.5 | 0.3 | 5.2 | 0.8 | 0.6 | 6.6 | 0.0 | 16.8 | 28.2 | <2 | 4.0 | 49.0 | 491 | 43.3 | 6.3 |
| YZ10 | 90 | 7.55 | 121 | 10.60 | 7.74 | <0.5 | <0.5 | 0.2 | 6.2 | 0.8 | 0.6 | 7.6 | 0.0 | 20.8 | 29.2 | <2 | 3.9 | 53.9 | 496 | 42.1 | 10.1 |
| YZ11 | 100 | 7.53 | 122 | 10.57 | 7.43 | <0.5 | <0.5 | 0.2 | 7.2 | 0.0 | 0.6 | 7.8 | 0.0 | 23.8 | 27.2 | <2 | 3.5 | 54.5 | 491 | 38.2 | 7.8 |
| YZ12 | 110 | 7.53 | 121 | 10.57 | 7.27 | <0.5 | <0.5 | 0.2 | 6.5 | 0.5 | 0.5 | 7.5 | 0.0 | 24.3 | 24.7 | <2 | 2.9 | 51.9 | 481 | 26.7 | 5.9 |
| YZ13 | 120 | 7.46 | 122 | 10.55 | 7.11 | <0.5 | <0.5 | 0.2 | 8.3 | 0.7 | 0.9 | 9.9 | 0.0 | 29.4 | 28.6 | <2 | 6.0 | 64.0 | 505 | 43.6 | 7.3 |
| YZ14 | 130 | 7.68 | 122 | 10.53 | 7.09 | <0.5 | <0.5 | 0.2 | 10.1 | 0.0 | 1.1 | 11.2 | 0.0 | 31.5 | 34.5 | <2 | 5.6 | 71.6 | 519 | 43.2 | 8.1 |
| YZ15 | 140 | 7.4 | 122 | 10.53 | 6.82 | <0.5 | <0.5 | 0.1 | 9.3 | 5.7 | 1.0 | 16.0 | 0.0 | 33.3 | 37.7 | <2 | 5.3 | 76.3 | 517 | 48.2 | 6.6 |
| YZ16 | 150 | 7.4 | 122 | 10.53 | 6.75 | <0.5 | <0.5 | 0.2 | 10.4 | 0.6 | 1.4 | 12.4 | 0.0 | 33.4 | 29.6 | <2 | 6.6 | 69.6 | 514 | 49.5 | 8.5 |

NH₄, NO₃, DON, Urea all as N

* = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

Collection date 14 October 2008

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | Secchi depth = 12.2 m | | | | | | | | | | | | | | | | |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| | | | | | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
| SZ1 | 1 | 7.66 | 119 | 12.59 | 10.29 | 1.1 | <0.5 | 0.7 | 1.0 | 2.0 | 4.2 | 7.2 | 4.1 | 0.0 | 70.9 | 26.1 | 101.1 | 816 | 235.0 | 24.6 | |
| SZ2 | 10 | 7.70 | 121 | 12.09 | 10.29 | 0.7 | <0.5 | 0.8 | 0.6 | 2.4 | 3.9 | 6.9 | 0.1 | 0.0 | 39.9 | 18.7 | 58.7 | 690 | 169.5 | 23.5 | |
| SZ3 | 20 | 7.70 | 121 | 11.93 | 10.50 | 0.8 | <0.5 | 0.8 | 0.7 | 2.3 | 7.8 | 10.8 | 0.0 | 0.0 | 59.0 | 32.7 | 91.7 | 638 | 250.0 | 33.1 | |
| SZ4 | 30 | 7.70 | 120 | 11.85 | 10.46 | 1.0 | 0.6 | 0.7 | 0.7 | 2.3 | 5.6 | 8.6 | 0.0 | 0.0 | 65.0 | 24.2 | 89.2 | 632 | 195.5 | 31.8 | |
| SZ5 | 40 | 7.70 | 120 | 11.75 | 10.34 | 0.7 | <0.5 | 0.9 | 0.3 | 1.7 | 4.6 | 6.6 | 0.0 | 0.0 | 52.0 | 16.2 | 68.2 | 597 | 162.5 | 15.5 | |
| SZ6 | 50 | 7.69 | 120 | 11.59 | 10.05 | 0.5 | <0.5 | 0.9 | 0.4 | 2.6 | 4.5 | 7.5 | 0.5 | 0.0 | 48.5 | 15.6 | 64.6 | 602 | 139.5 | 29.2 | |
| SZ7 | 60 | 7.56 | 120 | 10.90 | 9.89 | 0.8 | 0.5 | 0.8 | 1.0 | 2.0 | 5.0 | 8.0 | 0.7 | 1.6 | 69.7 | 16.7 | 88.7 | 603 | 94.0 | 18.2 | |
| SZ8 | 70 | 7.52 | 121 | 10.76 | 9.86 | 0.6 | <0.5 | 0.6 | 1.2 | 1.8 | 3.6 | 6.6 | 0.0 | 2.6 | 45.4 | 20.4 | 68.4 | 593 | 77.2 | 16.8 | |
| SZ9 | 80 | 7.45 | 122 | 10.71 | 9.81 | 0.7 | <0.5 | 0.4 | 1.3 | 2.7 | 3.1 | 7.1 | 0.0 | 4.7 | 36.3 | 9.5 | 50.5 | 589 | 61.8 | 25.9 | |
| SZ10 | 90 | 7.49 | 121 | 10.69 | 9.85 | 0.7 | <0.5 | 0.3 | 1.8 | 0.2 | 2.3 | 4.3 | 0.0 | 5.7 | 29.3 | 9.7 | 44.7 | 561 | 57.5 | 9.1 | |
| SZ11 | 100 | 7.23 | 121 | 10.68 | 10.03 | 0.6 | <0.5 | 0.2 | 1.5 | 0.5 | 2.5 | 4.5 | 2.2 | 6.6 | 33.2 | 9.2 | 51.2 | 605 | 71.8 | 23.1 | |
| SZ12 | 110 | 7.32 | 121 | 10.66 | 10.13 | <0.5 | <0.5 | 0.3 | 1.5 | 1.5 | 2.2 | 5.2 | 3.5 | 7.4 | 33.1 | 8.0 | 52.0 | 617 | 46.8 | 10.6 | |
| SZ13 | 120 | 7.36 | 122 | 10.64 | 10.09 | 0.7 | <0.5 | 0.2 | 1.2 | 2.8 | 2.5 | 6.5 | 1.6 | 9.5 | 34.9 | 9.9 | 55.9 | 613 | 57.6 | 28.5 | |
| SZ14 | 130 | 7.45 | 121 | 10.60 | 9.83 | 0.8 | <0.5 | 0.2 | 2.6 | 0.4 | 2.1 | 5.1 | 1.6 | 11.7 | 34.7 | 7.5 | 55.5 | 652 | 56.6 | 27.2 | |
| SZ15 | 140 | 7.43 | 120 | 10.59 | 9.76 | <0.5 | <0.5 | <0.1 | 2.9 | 3.1 | 2.5 | 8.5 | 1.4 | 17.1 | 37.5 | 8.7 | 64.7 | 686 | 46.6 | 24.1 | |
| SZ16 | 150 | 7.40 | 121 | 10.59 | 9.85 | <0.5 | <0.5 | 0.2 | 2.7 | 2.3 | 3.5 | 8.5 | 2.3 | 17.3 | 39.4 | 11.0 | 70.0 | 656 | 68.9 | 23.5 | |

Collection date 15 April 2009

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | Secchi depth = 18.0 m | | | | | | | | | | | | | | | | |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| | | | | | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
| EU1 | 1 | 7.89 | 123 | 16.60 | 9.33 | <0.5 | <0.5 | 0.7 | 1.1 | 0.9 | 1.7 | 3.7 | 4.3 | 1.4 | 74.3 | 17 | 16.7 | 96.7 | 834 | 187.0 | 19.2 |
| EU2 | 10 | 7.84 | 122 | 16.59 | 10.11 | <0.5 | <0.5 | 0.8 | 1.3 | 1.7 | 2.0 | 5.0 | 0.1 | 0.0 | 26.9 | <1 | 13.1 | 40.1 | 669 | 116.0 | 16.2 |
| EU3 | 20 | 7.83 | 121 | 16.59 | 10.76 | <0.5 | <0.5 | 0.9 | 1.2 | 2.8 | 2.0 | 6.0 | 0.3 | 0.0 | 29.7 | 1 | 17.2 | 47.2 | 691 | 152.0 | 18.4 |
| EU4 | 30 | 7.84 | 123 | 16.58 | 10.83 | <0.5 | <0.5 | 0.9 | 0.9 | 3.1 | 1.8 | 5.8 | 0.8 | 0.0 | 38.2 | 2 | 15.8 | 54.8 | 650 | 143.0 | 19.1 |
| EU5 | 40 | 7.8 | 121 | 12.53 | 10.39 | <0.5 | <0.5 | 1.0 | 1.4 | 6.6 | 1.5 | 9.5 | 0.7 | 0.1 | 37.3 | 1 | 13.0 | 51.1 | 627 | 81.9 | 13.2 |
| EU6 | 50 | 7.79 | 121 | 11.56 | 9.58 | <0.5 | <0.5 | 0.7 | 2.2 | 3.8 | 1.2 | 7.2 | 0.0 | 2.0 | 20.0 | <1 | 9.3 | 31.3 | 574 | 79.5 | 12.1 |
| EU7 | 60 | 7.58 | 122 | 11.12 | 9.06 | <0.5 | <0.5 | 0.5 | 3.9 | 3.1 | 1.2 | 8.2 | 0.0 | 8.5 | 24.5 | 2 | 7.4 | 40.4 | 581 | 68.6 | 11.6 |
| EU8 | 70 | 7.49 | 123 | 10.98 | 8.84 | <0.5 | <0.5 | 0.3 | 5.5 | 4.5 | 1.1 | 11.1 | 0.7 | 18.7 | 14.6 | 2 | 8.7 | 42.7 | 553 | 59.6 | 15.2 |
| EU9 | 80 | 7.03 | 124 | 10.92 | 8.21 | <0.5 | <0.5 | 0.2 | 6.6 | 6.4 | 1.2 | 14.2 | 0.0 | 24.5 | 26.5 | <1 | 9.3 | 60.3 | 635 | 51.7 | 11.8 |
| EU10 | 90 | 7.03 | 124 | 10.88 | 8.24 | 12 | 12 | 0.1 | 7.2 | 2.8 | 1.1 | 11.1 | 0.0 | 27.0 | 16.0 | 1 | 6.7 | 49.7 | 514 | 46.6 | 9.4 |
| EU11 | 100 | 7.16 | 123 | 10.86 | 8.07 | <0.5 | <0.5 | 0.1 | 6.3 | 5.7 | 0.9 | 12.9 | 0.0 | 24.7 | 32.3 | 1 | 5.1 | 62.1 | 554 | 35.9 | 8.8 |
| EU12 | 110 | 7.21 | 124 | 10.84 | 8.12 | <0.5 | <0.5 | 0.1 | 7.0 | 4 | 1.0 | 12.0 | 0.2 | 26.3 | 12.5 | <1 | 6.9 | 45.9 | 562 | 42.7 | 10.1 |
| EU13 | 120 | 7.2 | 123 | 10.82 | 8.02 | <0.5 | <0.5 | 0.1 | 7.1 | 4.9 | 1.0 | 13.0 | 0.2 | 26.8 | 25.0 | 4 | 6.8 | 58.8 | 549 | 53.7 | 10.1 |
| EU14 | 130 | 7.61 | 123 | 10.79 | 8.15 | <0.5 | <0.5 | <0.1 | 7.6 | 8.4 | 1.0 | 17.0 | 0.0 | 27.6 | <1 | 2 | 7.2 | 34.8 | 562 | 45.4 | 11.8 |
| EU15 | 140 | 7.23 | 122 | 10.78 | 8.01 | <0.5 | <0.5 | <0.1 | 8.1 | 4.9 | 1.1 | 14.1 | 0.0 | 29.0 | 8.0 | <1 | 7.3 | 44.3 | 661 | 50.3 | 9.8 |
| EU16 | 150 | 7.22 | 122 | 10.78 | 7.55 | <0.5 | <0.5 | <0.1 | 9.0 | 2 | 1.3 | 12.3 | 1.3 | 30.6 | 21.1 | 1 | 7.1 | 60.1 | 544 | 42.8 | 12.7 |

NH₄, NO₃, DON, Urea all as N

* = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

Lake Taupo biannual nutrient database

2007-2008

Started 27 October 1994

Collection date 30 October 2007

Secchi depth = 12.8 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| ZA1 | 1 | 7.80 | 119 | 12.84 | 10.18 | 0.7 | <0.5 | 0.6 | 1.3 | 0.7 | 2.1 | 4.1 | 1.5 | 0.7 | 79.8 | 16 | 20.1 | 102.1 | 617 | 170.0 | 19.2 |
| ZA2 | 10 | 7.83 | 120 | 11.83 | 10.27 | <0.5 | <0.5 | 1.0 | 0.9 | 1.1 | 2.5 | 4.5 | 0.0 | 0.0 | 42.0 | <5 | 18.5 | 60.5 | 553 | 204.0 | 19.8 |
| ZA3 | 20 | 7.79 | 115 | 11.76 | 10.25 | 0.5 | <0.5 | 1.1 | 1.1 | 0.9 | 2.6 | 4.6 | 0.2 | 0.0 | 42.8 | <5 | 19.0 | 62.0 | 405 | 169.0 | 19.4 |
| ZA4 | 30 | 7.76 | 119 | 11.70 | 10.07 | 0.7 | <0.5 | 1.2 | 0.8 | 1.2 | 2.5 | 4.5 | 0.0 | 0.0 | 49.0 | <5 | 19.1 | 68.1 | 417 | 173.5 | 19.0 |
| ZA5 | 40 | 7.72 | 120 | 11.64 | 10.02 | 0.7 | <0.5 | 1.1 | 1.0 | 1.0 | 2.6 | 4.6 | 0.0 | 0.0 | 36.0 | <5 | 16.8 | 52.8 | 417 | 131.5 | 17.4 |
| ZA6 | 50 | 7.61 | 121 | 11.51 | 9.85 | 0.8 | <0.5 | 1.4 | 0.9 | 1.1 | 3.3 | 5.3 | 0.0 | 0.0 | 39.0 | <5 | 18.3 | 57.3 | 434 | 140.0 | 18.1 |
| ZA7 | 60 | 7.54 | 120 | 11.43 | 9.52 | 0.9 | <0.5 | 1.4 | 1.2 | 0.8 | 2.7 | 4.7 | 0.2 | 0.0 | 32.8 | <5 | 19.5 | 52.5 | 414 | 127.5 | 17.1 |
| ZA8 | 70 | 7.46 | 123 | 11.32 | 9.77 | 0.8 | <0.5 | 1.5 | 1.5 | 0.5 | 2.7 | 4.7 | 0.1 | 0.3 | 46.6 | <5 | 19.1 | 66.1 | 443 | 130.0 | 19.0 |
| ZA9 | 80 | 7.42 | 122 | 11.23 | 9.58 | 0.8 | <0.5 | 1.1 | 1.9 | 1.1 | 2.1 | 5.1 | 0.4 | 2.6 | 41.0 | 5 | 15.8 | 59.8 | 422 | 95.8 | 14.4 |
| ZA10 | 90 | 7.42 | 121 | 11.16 | 9.42 | 0.7 | <0.5 | 0.9 | 2.1 | 0.9 | 2.1 | 5.1 | 0.3 | 4.8 | 42.9 | <5 | 13.3 | 61.3 | 410 | 92.0 | 13.0 |
| ZA11 | 100 | 7.38 | 122 | 11.07 | 9.49 | <0.5 | <0.5 | 0.7 | 2.8 | 0.2 | 1.8 | 4.8 | 0.0 | 8.5 | 36.5 | <5 | 11.2 | 56.2 | 400 | 64.0 | 11.0 |
| ZA12 | 110 | 7.40 | 122 | 11.04 | 9.16 | 0.7 | <0.5 | 0.7 | 2.9 | 0.1 | 1.8 | 4.8 | 0.0 | 9.2 | 56.8 | <5 | 11.6 | 77.6 | 386 | 68.3 | 11.1 |
| ZA13 | 120 | 7.38 | 122 | 11.02 | 9.27 | 0.7 | <0.5 | 0.6 | 2.8 | 1.2 | 2.1 | 6.1 | 0.0 | 10.0 | 46.0 | <5 | 12.7 | 68.7 | 359 | 105.3 | 12.5 |
| ZA14 | 130 | 7.44 | 120 | 11.00 | 9.01 | 0.6 | <0.5 | 0.6 | 2.6 | 1.4 | 1.9 | 5.9 | 0.0 | 10.4 | 35.6 | <5 | 10.9 | 56.9 | 348 | 61.8 | 10.5 |
| ZA15 | 140 | 7.44 | 121 | 10.98 | 9.11 | 0.6 | <0.5 | 0.6 | 3.0 | 0.0 | 1.7 | 4.7 | 0.0 | 10.8 | 39.2 | <5 | 10.3 | 60.3 | 351 | 64.1 | 11.2 |
| ZA16 | 150 | 7.42 | 121 | 10.96 | 8.91 | <0.5 | <0.5 | 0.6 | 3.5 | 1.5 | 1.8 | 6.8 | 0.0 | 13.3 | 38.7 | <5 | 10.8 | 62.8 | 305 | 63.1 | 10.6 |

Collection date 17 April 2008

Secchi depth = 17.8 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| KA1 | 1 | 7.79 | 122 | 17.88 | 9.49 | <0.5 | <0.5 | 0.4 | 0.8 | 0.2 | 0.7 | 1.7 | 2.8 | 0.4 | 64.8 | 14 | 13.3 | 81.3 | 656 | 138.5 | 8.4 |
| KA2 | 10 | 7.87 | 121 | 17.87 | 8.97 | <0.5 | <0.5 | 0.8 | 0.5 | 0.5 | 0.7 | 1.7 | 1.1 | 0.3 | 48.6 | <5 | 12.0 | 62.0 | 576 | 112.5 | 8.3 |
| KA3 | 20 | 7.83 | 124 | 17.85 | 8.46 | <0.5 | <0.5 | 0.8 | 0.9 | 0.1 | 0.8 | 1.8 | 0.4 | 0.3 | 38.3 | <5 | 13.7 | 52.7 | 528 | 142.0 | 9.4 |
| KA4 | 30 | 7.71 | 122 | 15.58 | 8.52 | <0.5 | <0.5 | 0.5 | 1.0 | 0.0 | 0.9 | 1.9 | 3.1 | 0.1 | 27.8 | <5 | 10.9 | 41.9 | 526 | 110.0 | 9.1 |
| KA5 | 40 | 7.58 | 121 | 12.38 | 8.72 | <0.5 | <0.5 | 0.6 | 1.7 | 1.3 | 0.8 | 3.8 | 1.8 | 0.8 | 36.4 | <5 | 14.6 | 53.6 | 459 | 107.0 | 6.7 |
| KA6 | 50 | 7.38 | 121 | 11.72 | 8.48 | <0.5 | <0.5 | 0.5 | 1.9 | 2.1 | 0.6 | 4.6 | 0.2 | 3.4 | 29.4 | <5 | 10.2 | 43.2 | 417 | 75.1 | 6.1 |
| KA7 | 60 | 7.36 | 122 | 11.48 | 8.20 | <0.5 | <0.5 | 0.4 | 3.5 | 0.5 | 0.8 | 4.8 | 0.6 | 5.3 | 32.1 | <5 | 9.6 | 47.6 | 353 | 84.9 | 6.7 |
| KA8 | 70 | 7.31 | 122 | 11.34 | 7.84 | <0.5 | <0.5 | 0.3 | 3.5 | 1.5 | 0.7 | 5.7 | 0.9 | 10.8 | 42.3 | <5 | 10.7 | 64.7 | 481 | 85.4 | 6.8 |
| KA9 | 80 | 7.25 | 122 | 11.27 | 7.71 | <0.5 | <0.5 | 0.2 | 4.2 | 0.8 | 1.2 | 6.2 | 0.4 | 14.7 | 82.9 | <5 | 9.5 | 107.5 | 347 | 97.5 | 4.9 |
| KA10 | 90 | 7.19 | 122 | 11.20 | 7.57 | <0.5 | <0.5 | 0.1 | 5.1 | 0.0 | 0.7 | 5.8 | 0.3 | 19.8 | 43.9 | <5 | 10.2 | 74.2 | 370 | 107.0 | 5.4 |
| KA11 | 100 | 7.18 | 122 | 11.17 | 7.45 | <0.5 | <0.5 | 0.1 | 4.6 | 0.6 | 0.6 | 5.2 | 0.6 | 21.2 | 30.2 | <5 | 8.6 | 60.6 | 412 | 59.8 | 4.0 |
| KA12 | 110 | 7.12 | 123 | 11.14 | 7.29 | <0.5 | <0.5 | <0.1 | 5.0 | 1.0 | 0.6 | 6.6 | 0.8 | 28.2 | 26.0 | <5 | 4.5 | 59.5 | 346 | 44.6 | 3.3 |
| KA13 | 120 | 7.07 | 123 | 11.15 | 7.29 | 0.6 | <0.5 | <0.1 | 7.4 | 0.0 | 0.8 | 8.2 | 0.1 | 30.2 | 29.7 | <5 | 7.9 | 67.9 | 373 | 85.8 | 5.8 |
| KA14 | 130 | 7.28 | 123 | 11.12 | 7.18 | <0.5 | <0.5 | <0.1 | 5.6 | 1.4 | 0.8 | 7.8 | 1.1 | 29.5 | 26.4 | <5 | 9.0 | 66.0 | 395 | 89.1 | 4.4 |
| KA15 | 140 | 7.12 | 123 | 11.11 | 7.13 | <0.5 | <0.5 | <0.1 | 8.4 | 1.6 | 1.5 | 11.5 | 1.1 | 36.8 | 27.1 | <5 | 8.5 | 73.5 | 393 | 72.6 | 4.1 |
| KA16 | 150 | 7.11 | 123 | 11.11 | 6.72 | <0.5 | <0.5 | <0.1 | 8.3 | 0.7 | 1.5 | 10.5 | 0.4 | 36.4 | 27.2 | <5 | 7.2 | 71.2 | 379 | 98.8 | 4.1 |

NH₄, NO₃, DON, Urea all as N

* = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

Lake Taupo biannual nutrient database

2006-2007

Started 27 October 1994

Collection date 1 November 2006

Secchi depth = 14.5 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| HW1 | 1 | 7.79 | 118 | 12.43 | 10.2 | 0.5 | <0.5 | 0.5 | 1.2 | 0.0 | 1.7 | 2.9 | 0.1 | 1.0 | 75.9 | | 13.6 | 90.6 | 413 | 168.0 | 15.4 |
| HW2 | 10 | 7.77 | 119 | 12.27 | 10.1 | 0.8 | <0.5 | 0.6 | 1.0 | 0.0 | 1.9 | 2.9 | 0.0 | 0.1 | 61.9 | | 13.8 | 75.8 | 419 | 187.0 | 13.8 |
| HW3 | 20 | 7.77 | 120 | 12.25 | 10.1 | 0.7 | <0.5 | 0.7 | 0.9 | 1.1 | 2.3 | 4.3 | 0.0 | 0.1 | 32.9 | | 17.8 | 50.8 | 373 | 209.5 | 17.4 |
| HW4 | 30 | 7.81 | 119 | 12.20 | 10.1 | 0.8 | <0.5 | 0.6 | 1.0 | 0.0 | 2.7 | 3.7 | 0.3 | 0.0 | 38.7 | | 22.3 | 61.3 | 456 | 215.5 | 18.1 |
| HW5 | 40 | 7.78 | 119 | 12.10 | 10.1 | 0.9 | <0.5 | 0.6 | 1.1 | 0.9 | 2.2 | 4.2 | 0.0 | 0.1 | 30.9 | | 17.9 | 48.9 | 368 | 227.5 | 19.8 |
| HW6 | 50 | 7.74 | 119 | 11.96 | 10.0 | 0.6 | <0.5 | 0.7 | 1.2 | 0.0 | 1.9 | 3.1 | 0.0 | 0.2 | 29.8 | | 14.0 | 44.0 | 468 | 169.0 | 13.9 |
| HW7 | 60 | 7.67 | 120 | 11.34 | 9.7 | 0.7 | <0.5 | 1.1 | 1.5 | 0.0 | 1.8 | 3.3 | 0.6 | 0.1 | 31.3 | | 13.9 | 45.9 | 411 | 123.5 | 13.5 |
| HW8 | 70 | 7.64 | 119 | 11.17 | 9.5 | <0.5 | <0.5 | 1.3 | 1.2 | 1.8 | 2.0 | 5.0 | 0.5 | 0.1 | 29.4 | | 14.5 | 44.5 | 378 | 98.0 | 12.3 |
| HW9 | 80 | 7.57 | 119 | 11.06 | 9.4 | 0.7 | <0.5 | 1.3 | 1.3 | 0.7 | 2.2 | 4.2 | 2.5 | 1.8 | 27.7 | | 14.1 | 46.1 | 330 | 91.5 | 11.2 |
| HW10 | 90 | 7.56 | 119 | 10.99 | 9.3 | <0.5 | <0.5 | 1.3 | 1.2 | 0.8 | 2.2 | 4.2 | 2.7 | 2.3 | 52.0 | | 14.4 | 71.4 | 352 | 122.5 | 15.3 |
| HW11 | 100 | 7.56 | 119 | 10.94 | 9.3 | 0.5 | <0.5 | 1.1 | 1.4 | 0.0 | 2.3 | 3.7 | 2.9 | 3.1 | 43.0 | | 13.4 | 62.4 | 378 | 105.5 | 13.2 |
| HW12 | 110 | 7.50 | 121 | 10.91 | 9.2 | <0.5 | <0.5 | 0.9 | 1.8 | 0.0 | 2.3 | 4.1 | 3.7 | 4.6 | 73.7 | | 14.3 | 96.3 | 382 | 106.5 | 12.8 |
| HW13 | 120 | 7.50 | 119 | 10.88 | 9.1 | <0.5 | <0.5 | 0.7 | 1.8 | 2.2 | 2.2 | 6.2 | 3.7 | 5.8 | 52.5 | | 11.5 | 73.5 | 421 | 87.5 | 11.5 |
| HW14 | 130 | 7.57 | 120 | 10.85 | 9.0 | <0.5 | <0.5 | 0.9 | 1.8 | 2.2 | 2.2 | 6.2 | 3.3 | 4.4 | 38.3 | | 12.0 | 58.0 | 354 | 84.5 | 11.6 |
| HW15 | 140 | 7.50 | 119 | 10.84 | 8.9 | 0.6 | <0.5 | 0.8 | 1.4 | 0.6 | 2.3 | 4.3 | 3.0 | 4.5 | 43.5 | | 13.4 | 64.4 | 428 | 110.5 | 12.9 |
| HW16 | 150 | 7.49 | 120 | 10.84 | 8.7 | <0.5 | <0.5 | 0.7 | 2.0 | 3.0 | 2.4 | 7.4 | 4.7 | 7.6 | 52.7 | | 12.8 | 77.8 | 368 | 98.0 | 10.7 |

Collection date 3 April 2007

Secchi depth = 19.0 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| HW17 | 1 | 7.94 | 119 | 18.04 | 9.4 | <0.5 | <0.5 | 0.7 | 1.6 | 2.4 | 1.4 | 5.4 | 4.7 | 0.9 | 62.4 | | 14.9 | 82.9 | 567 | 122.0 | 18.4 |
| HW18 | 10 | 8.09 | 119 | 18.03 | 9.5 | <0.5 | <0.5 | 0.8 | 1.1 | 3.9 | 1.8 | 6.8 | 0.0 | 0.1 | 59.9 | | 14.9 | 74.9 | 522 | 317.5 | 19.2 |
| HW19 | 20 | 8.09 | 119 | 17.94 | 9.4 | <0.5 | <0.5 | 0.8 | 1.2 | 2.8 | 1.6 | 5.6 | 0.0 | 0.2 | 65.8 | | 14.8 | 80.8 | 498 | 177.5 | 16.8 |
| HW20 | 30 | 7.95 | 119 | 16.72 | 9.3 | <0.5 | <0.5 | 1.2 | 1.0 | 4.0 | 2.0 | 7.0 | 0.0 | 0.1 | 63.9 | | 17.5 | 81.5 | 481 | 133.0 | 19.6 |
| HW21 | 40 | 7.73 | 119 | 13.50 | 8.9 | <0.5 | <0.5 | 1.2 | 1.8 | 2.2 | 1.6 | 5.6 | 0.0 | 0.3 | 55.7 | | 12.3 | 68.3 | 444 | 76.4 | 12.1 |
| HW22 | 50 | 7.62 | 120 | 12.33 | 8.9 | <0.5 | <0.5 | 0.8 | 1.5 | 4.5 | 1.3 | 7.3 | 0.1 | 0.8 | 53.2 | | 9.0 | 63.1 | 419 | 68.1 | 10.1 |
| HW23 | 60 | 7.54 | 119 | 11.65 | 8.8 | <0.5 | <0.5 | 0.7 | 1.2 | 3.8 | 1.5 | 6.5 | 0.1 | 3.4 | 51.5 | | 7.7 | 62.7 | 393 | 49.9 | 6.3 |
| HW24 | 70 | 7.48 | 120 | 11.28 | 8.8 | <0.5 | <0.5 | 0.9 | 2.0 | 2.0 | 1.3 | 5.3 | 0.0 | 9.7 | 70.2 | | 6.4 | 86.3 | 434 | 68.3 | 8.6 |
| HW25 | 80 | 7.43 | 115 | 11.22 | 8.5 | <0.5 | <0.5 | 0.6 | 2.0 | 3.0 | 1.2 | 6.2 | 0.0 | 14.6 | 52.4 | | 6.4 | 73.4 | 436 | 58.0 | 8.3 |
| HW26 | 90 | 7.39 | 121 | 11.11 | 8.5 | <0.5 | <0.5 | 0.3 | 1.7 | 3.3 | 1.0 | 6.0 | 0.1 | 16.3 | 54.7 | | 7.1 | 78.2 | 460 | 62.7 | 8.4 |
| HW27 | 100 | 7.35 | 121 | 11.10 | 8.2 | <0.5 | <0.5 | 0.3 | 2.5 | 1.5 | 1.1 | 5.1 | 0.0 | 19.4 | 50.5 | | 7.0 | 76.9 | 469 | 48.9 | 6.7 |
| HW28 | 110 | 7.31 | 121 | 11.04 | 8.2 | <0.5 | <0.5 | 0.2 | 2.7 | 2.3 | 0.9 | 5.9 | 1.5 | 20.9 | 47.1 | | 5.9 | 75.4 | 437 | 40.4 | 7.5 |
| HW29 | 120 | 7.32 | 120 | 11.04 | 8.0 | <0.5 | <0.5 | 0.2 | 3.0 | 2.0 | 0.9 | 5.9 | 0.0 | 23.8 | 57.7 | | 4.9 | 86.4 | 452 | 48.5 | 7.8 |
| HW30 | 130 | 7.73 | 121 | 11.01 | 8.1 | <0.5 | <0.5 | 0.2 | 2.7 | 3.3 | 0.9 | 6.9 | 0.0 | 24.8 | 51.2 | | 3.8 | 79.8 | 389 | 42.7 | 6.7 |
| HW31 | 140 | 7.30 | 118 | 11.00 | 7.7 | <0.5 | <0.5 | 0.2 | 3.7 | 2.3 | 1.3 | 7.3 | 0.0 | 24.6 | 47.4 | | 3.8 | 75.8 | 413 | 43.2 | 6.4 |
| HW32 | 150 | 7.25 | 121 | 10.99 | 7.4 | <0.5 | <0.5 | 0.2 | 4.5 | 3.5 | 1.6 | 9.6 | 0.0 | 30.5 | 50.5 | | 6.1 | 87.1 | 439 | 51.7 | 9.5 |

NH₄, NO₃, DON, Urea all as N

* = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

Lake Taupo biannual nutrient database

2005-2006

Started 27 October 1994

Collection date 25 October 2005

| | | Secchi depth = 15.0 m | | | | | | | | | | | | | | | | | | | |
|------|-------|-----------------------|---------------------|-------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_α | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** |
| | m | | mS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| QD1 | 1 | 7.81 | 119 | 13.40 | 10.1 | <0.5 | <0.5 | 0.4 | 1.0 | 3.0 | 1.3 | 5.3 | 0.6 | 0.3 | 51.1 | 4 | 8.5 | 60.5 | 613 | 132.5 | 11.0 |
| QD2 | 10 | 7.88 | 119 | 12.88 | 10.0 | <0.5 | <0.5 | 0.5 | 0.7 | 2.3 | 1.9 | 4.9 | 0.1 | 0.0 | 52.9 | 3 | 12.8 | 65.8 | 623 | 169.0 | 13.5 |
| QD3 | 20 | 7.74 | 119 | 12.17 | 10.1 | 0.6 | <0.5 | 0.7 | 0.6 | 2.4 | 2.7 | 5.7 | 0.4 | 0.2 | 43.4 | 2 | 17.0 | 61.0 | 625 | 216.5 | 20.0 |
| QD4 | 30 | 7.77 | 118 | 11.65 | 9.9 | 0.7 | <0.5 | 0.6 | 0.6 | 5.4 | 2.6 | 8.6 | 0.7 | 0.0 | 57.3 | 2 | 17.3 | 75.3 | 566 | 212.0 | 16.0 |
| QD5 | 40 | 7.68 | 119 | 11.49 | 9.8 | <0.5 | <0.5 | 0.9 | 0.6 | 3.4 | 3.1 | 7.1 | 0.0 | 0.2 | 49.8 | 2 | 22.2 | 72.2 | 581 | 229.5 | 20.5 |
| QD6 | 50 | 7.59 | 119 | 11.29 | 9.5 | <0.5 | <0.5 | 1.4 | 0.8 | 1.2 | 2.2 | 4.2 | 1.4 | 0.1 | 35.5 | 2 | 15.9 | 52.9 | 599 | 172.5 | 14.0 |
| QD7 | 60 | 7.46 | 120 | 11.18 | 9.2 | 0.7 | <0.5 | 0.7 | 1.7 | 2.3 | 1.6 | 5.6 | 1.7 | 9.6 | 41.7 | 2 | 9.8 | 62.8 | 503 | 103.5 | 6.5 |
| QD8 | 70 | 7.37 | 120 | 11.07 | 9.0 | 0.5 | <0.5 | 0.8 | 1.9 | 2.1 | 1.5 | 5.5 | 1.6 | 12.8 | 56.6 | 2 | 9.2 | 80.2 | 482 | 101.5 | 6.0 |
| QD9 | 80 | 7.35 | 120 | 11.01 | 8.8 | 0.6 | <0.5 | 0.6 | 2.5 | 1.5 | 1.4 | 5.4 | 0.6 | 15.3 | 30.1 | 13 | 9.0 | 55.0 | 521 | 86.5 | 6.0 |
| QD10 | 90 | 7.36 | 121 | 10.97 | 8.8 | 0.7 | <0.5 | 0.4 | 2.8 | 1.2 | 1.4 | 5.4 | 0.3 | 17.1 | 47.6 | 2 | 7.3 | 72.3 | 478 | 62.5 | 4.0 |
| QD11 | 100 | 7.29 | 121 | 10.97 | 8.6 | <0.5 | <0.5 | 0.5 | 2.8 | 1.2 | 1.4 | 5.4 | 0.4 | 17.4 | 39.2 | 2 | 7.8 | 64.8 | 476 | 77.5 | 4.5 |
| QD12 | 110 | 7.34 | 120 | 10.94 | 8.5 | <0.5 | <0.5 | 0.5 | 3.0 | 1.0 | 1.3 | 5.3 | 1.5 | 18.7 | 48.8 | 2 | 7.4 | 76.4 | 462 | 92.5 | 3.0 |
| QD13 | 120 | 7.29 | 121 | 10.94 | 8.5 | <0.5 | <0.5 | 0.5 | 2.8 | 2.2 | 1.2 | 6.2 | 0.8 | 20.4 | 42.8 | 2 | 6.2 | 70.2 | 549 | | 5.0 |
| QD14 | 130 | 7.32 | 120 | 10.93 | 8.4 | <0.5 | <0.5 | 0.5 | 2.7 | 1.3 | 1.3 | 5.3 | 0.1 | 20.3 | 35.6 | 3 | 5.9 | 61.9 | 504 | 69.5 | 6.0 |
| QD15 | 140 | 7.34 | 121 | 10.93 | 8.4 | <0.5 | <0.5 | 0.6 | 3.0 | 2.0 | 1.4 | 6.4 | 1.4 | 20.9 | 34.7 | 1 | 7.8 | 64.8 | 352 | 77.5 | 6.5 |
| QD16 | 150 | 7.26 | 120 | 10.92 | 8.2 | <0.5 | <0.5 | 0.5 | 3.8 | 1.2 | 1.5 | 6.5 | 0.9 | 23.5 | 29.6 | 3 | 7.1 | 61.1 | 533 | 66.0 | 6.0 |

Collection date 12 April 2006

| | | Secchi depth = 15.8 m | | | | | | | | | | | | | | | | | | | |
|------|-------|-----------------------|---------------------|-------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Code | Depth | pH | EC @25oC | Temp | DO | SS | VSS | Chlor_α | DRP | DOP | PP | TP | NH ₄ -N | NO ₃ -N | DON | UREA | PN* | TN | DOC | PC | PN** |
| | m | | mS cm ⁻¹ | °C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| ZD1 | 1 | 7.9 | 119 | 16.72 | 9.6 | <0.5 | <0.5 | 1.2 | 1.1 | 0.9 | 1.9 | 3.9 | 0.0 | 0.2 | 50.8 | 2 | 19.2 | 70.2 | | 213.5 | 19.0 |
| ZD2 | 10 | 7.9 | 118 | 16.72 | 9.2 | <0.5 | <0.5 | 1.3 | 0.8 | 1.2 | 1.6 | 3.6 | 0.0 | 0.0 | 38.0 | 2 | 16.6 | 54.6 | | 196.0 | 13.5 |
| ZD3 | 20 | 7.9 | 116 | 16.72 | 9.0 | 0.5 | <0.5 | 1.1 | 0.7 | 0.3 | 1.3 | 2.3 | 0.0 | 0.0 | 42.0 | <1 | 15.65 | 57.7 | | 235.0 | 15.5 |
| ZD4 | 30 | 7.88 | 120 | 16.71 | 9.4 | <0.5 | <0.5 | 1.2 | 0.6 | 1.4 | 1.6 | 3.6 | 0.1 | 0.0 | 50.9 | <1 | 15.45 | 66.5 | | 172.0 | 13.5 |
| ZD5 | 40 | 7.9 | 116 | 16.64 | 9.2 | 0.8 | 0.7 | 1.3 | 0.5 | 1.5 | 1.55 | 3.6 | 0.0 | 0.0 | 41.0 | 2 | 15.45 | 56.5 | | 224.5 | 13.0 |
| ZD6 | 50 | 7.6 | 119 | 12.11 | 8.7 | <0.5 | <0.5 | 1.0 | 0.7 | 2.3 | 1.2 | 4.2 | 0.0 | 0.1 | 33.9 | 8 | 11.4 | 45.4 | | 133.0 | 8.5 |
| ZD7 | 60 | 7.43 | 121 | 11.52 | 8.5 | <0.5 | <0.5 | 1.0 | 0.7 | 2.3 | 1.05 | 4.1 | 0.0 | 0.5 | 44.5 | 2 | 9.15 | 54.2 | | 171.5 | 8.0 |
| ZD8 | 70 | 7.49 | 121 | 11.31 | 8.3 | <0.5 | <0.5 | 0.9 | 0.7 | 2.3 | 1.15 | 4.2 | 0.0 | 0.7 | 37.3 | 6 | 9.55 | 47.6 | | 130.5 | 9.0 |
| ZD9 | 80 | 7.9 | 120 | 11.18 | 8.3 | <0.5 | <0.5 | 1.1 | 0.5 | 2.5 | 1.4 | 4.4 | 0.3 | 0.0 | 50.7 | 5 | 16.1 | 67.1 | | 182.0 | 12.5 |
| ZD10 | 90 | 7.31 | 122 | 11.11 | 8.1 | <0.5 | <0.5 | 0.2 | 3.0 | 1 | 0.45 | 4.5 | 0.0 | 23.0 | 28.0 | 2 | 4.1 | 55.1 | | 62.5 | 6.0 |
| ZD11 | 100 | 7.31 | 122 | 11.08 | 8.1 | <0.5 | <0.5 | 0.3 | 3.2 | 0.8 | 0.5 | 4.5 | 0.1 | 22.8 | 24.1 | <1 | 4.95 | 52.0 | | 68.5 | 6.5 |
| ZD12 | 110 | 7.91 | 119 | 11.05 | 8.0 | 0.7 | 0.5 | 1.1 | 3.2 | 1.8 | 1.5 | 6.5 | 0.1 | 22.2 | 25.7 | 3 | 16.5 | 64.5 | | 196.0 | 15.0 |
| ZD13 | 120 | 7.42 | 122 | 11.03 | 7.9 | <0.5 | <0.5 | 0.3 | 3.1 | 1.9 | 0.5 | 5.5 | 0.0 | 21.6 | 27.4 | <1 | 5.2 | 54.2 | | 86.5 | 7.0 |
| ZD14 | 130 | 7.5 | 121 | 11.02 | 7.7 | <0.5 | <0.5 | 0.3 | 3.0 | 2 | 0.55 | 5.6 | 0.0 | 19.9 | 32.1 | 2 | 5.45 | 57.5 | | 69.5 | 6.5 |
| ZD15 | 140 | 7.3 | 119 | 11.02 | 7.3 | <0.5 | <0.5 | 0.2 | 3.4 | 1.6 | 0.55 | 5.6 | 0.0 | 23.1 | 31.9 | 2 | 6.5 | 61.5 | | 87.0 | 7.5 |
| ZD16 | 150 | 7.24 | 122 | 11.02 | 7.2 | <0.5 | <0.5 | 0.3 | 2.9 | 1.1 | 0.55 | 4.6 | 0.2 | 21.0 | 28.8 | 5 | 5.85 | 55.9 | | 77.5 | 7.0 |

NH₄, NO₃, DON, Urea all as N

* = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

Lake Taupo biannual nutrient database

2004-2005

Started 27 October 1994

Collection date 21 October 2004

Secchi depth = 15.0 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| VZ1 | 1 | 7.88 | 122 | 11.75 | 10.4 | 0.6 | 0.5 | 0.6 | 1.3 | 2.7 | 1.6 | 5.6 | 0.1 | 0.4 | 39.5 | 19 | 9.7 | 49.7 | 500 | 110.0 | 8 |
| VZ2 | 10 | 7.82 | 120 | 11.61 | 10.2 | 0.8 | 0.6 | 0.8 | 1.1 | 2.9 | 2.0 | 6.0 | 0.2 | 0.1 | 35.7 | 24 | 12.8 | 48.8 | 447 | 157.0 | 8.5 |
| VZ3 | 20 | 7.87 | 120 | 11.59 | 10.1 | 0.9 | 0.7 | 0.8 | 1.0 | 3.0 | 1.9 | 5.9 | 0.0 | 0.0 | 33.0 | 16 | 11.3 | 44.3 | 440 | 153.0 | 8.5 |
| VZ4 | 30 | 7.91 | 123 | 11.59 | 10.2 | 1.5 | 1.0 | 0.7 | 1.0 | 2.0 | 1.9 | 4.9 | 0.0 | 0.0 | 34.0 | 15 | 11.3 | 45.3 | 490 | 157.5 | 8 |
| VZ5 | 40 | 7.82 | 117 | 11.58 | 10.1 | 1.1 | 0.6 | 0.7 | 1.4 | 3.6 | 2.0 | 7.0 | 0.2 | 0.1 | 33.7 | 7 | 11.2 | 45.2 | 445 | 155.0 | 10 |
| VZ6 | 50 | 7.83 | 120 | 11.58 | 9.9 | 1.1 | 0.7 | 0.9 | 1.0 | 4.0 | 2.1 | 7.1 | 0.0 | 0.1 | 33.9 | 9 | 13.2 | 47.2 | 494 | 197.5 | 15 |
| VZ7 | 60 | 7.79 | 119 | 11.15 | 9.9 | 1.1 | 0.7 | 1.0 | 1.6 | 2.4 | 2.3 | 6.3 | 0.5 | 0.4 | 34.1 | 11 | 26.0 | 61.0 | 585 | 167.0 | 16 |
| VZ8 | 70 | 7.66 | 118 | 10.79 | 9.7 | 0.7 | 0.5 | 1.0 | 1.9 | 1.1 | 1.9 | 4.9 | 2.4 | 0.8 | 40.8 | 21 | 11.5 | 55.5 | 468 | 114.0 | 11.5 |
| VZ9 | 80 | 7.63 | 118 | 10.74 | 9.6 | 0.6 | <0.5 | 0.9 | 2.0 | 1.0 | 1.7 | 4.7 | 2.8 | 1.3 | 47.9 | 16 | 8.9 | 60.9 | 440 | 103.0 | 9.5 |
| VZ10 | 90 | 7.61 | 119 | 10.72 | 9.5 | 0.6 | <0.5 | 0.7 | 2.0 | 2.0 | 1.6 | 5.6 | 3.9 | 2.2 | 28.9 | 9 | 9.1 | 44.1 | 633 | 100.5 | 10 |
| VZ11 | 100 | 7.53 | 118 | 10.70 | 9.4 | 0.7 | 0.5 | 0.7 | 2.3 | 1.7 | 1.5 | 5.5 | 5.1 | 3.6 | 34.3 | 7 | 9.0 | 52.0 | 570 | 93.0 | 10 |
| VZ12 | 110 | 7.56 | 119 | 10.68 | 9.4 | 0.5 | <0.5 | 0.7 | 2.0 | 5.0 | 1.6 | 8.6 | 5.3 | 2.8 | 28.9 | 9 | 9.2 | 46.2 | 514 | 101.5 | 9 |
| VZ13 | 120 | 7.49 | 119 | 10.66 | 9.3 | 0.5 | <0.5 | 0.7 | 2.1 | 1.9 | 1.5 | 5.5 | 5.3 | 3.9 | 35.8 | 6 | 8.5 | 53.5 | 391 | 91.5 | 11 |
| VZ14 | 130 | 7.48 | 118 | 10.65 | 9.3 | <0.5 | <0.5 | 0.6 | 2.5 | 1.5 | 1.6 | 5.6 | 5.8 | 5.3 | 34.9 | 5 | 8.6 | 54.6 | 366 | 73.5 | 8.5 |
| VZ15 | 140 | 7.58 | 118 | 10.61 | 9.2 | <0.5 | <0.5 | 0.6 | 2.9 | 1.1 | 1.6 | 5.6 | 5.9 | 7.3 | 33.8 | 13 | 9.1 | 56.1 | 491 | 93.5 | 10.5 |
| VZ16 | 150 | 7.58 | 119 | 10.56 | 9.1 | <0.5 | <0.5 | 0.6 | 2.4 | 1.6 | 1.5 | 5.5 | 4.5 | 3.3 | 35.2 | 21 | 8.7 | 51.7 | 464 | 78.0 | 9 |

Collection date 14 April 2005

Secchi depth = 17.2 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_α mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| GC1 | 1 | 7.85 | 119 | 17.92 | 9.1 | 0.4 | 0.4 | 0.7 | 0.8 | 1.2 | 1.9 | 3.9 | 1.2 | 0.2 | 64.6 | 7 | 15.1 | 81.1 | 690 | 176.0 | 19.0 |
| GC2 | 10 | 7.86 | 118 | 17.96 | 9.0 | 0.3 | 0.4 | 0.9 | 0.8 | 2.2 | 1.9 | 4.9 | 0.0 | 0.0 | 46 | 3 | 14.1 | 60.1 | 580 | 199.5 | 19.0 |
| GC3 | 20 | 7.9 | 119 | 17.95 | 9.0 | 0.3 | 0.3 | 0.9 | 0.8 | 2.2 | 2.0 | 5.0 | 0.0 | 0.1 | 55.9 | 1 | 14.5 | 70.5 | 580 | 179.0 | 17.0 |
| GC4 | 30 | 7.82 | 118 | 15.13 | 8.4 | 0.3 | 0.3 | 0.9 | 0.8 | 2.2 | 1.8 | 4.8 | 0.0 | 0.3 | 49.7 | 2 | 12.8 | 62.8 | 570 | 176.5 | 17.0 |
| GC5 | 40 | 7.58 | 121 | 12.92 | 8.7 | 0.2 | 0.2 | 0.8 | 2.3 | 0.7 | 1.2 | 4.2 | 0.3 | 0.6 | 31.1 | 2 | 8.9 | 40.9 | 510 | 109.5 | 14.0 |
| GC6 | 50 | 7.51 | 120 | 12.00 | 8.3 | 0.1 | 0.1 | 0.6 | 3.1 | 0.9 | 1.0 | 5.0 | 0.0 | 6.4 | 39.6 | 3 | 6.8 | 52.8 | 480 | 84.0 | 9.0 |
| GC7 | 60 | 7.47 | 121 | 11.33 | 8.2 | 0.1 | 0.1 | 0.5 | 3.6 | 1.4 | 1.1 | 6.1 | 0.0 | 8.3 | 40.7 | 2 | 8.2 | 57.2 | 510 | 78.5 | 7.5 |
| GC8 | 70 | 7.48 | 120 | 10.99 | 8.2 | 0.1 | 0.1 | 0.3 | 4.2 | 0.8 | 0.9 | 5.9 | 0.0 | 15.7 | 38.3 | 2 | 6.5 | 60.5 | 490 | 96.0 | 7.0 |
| GC9 | 80 | 7.39 | 121 | 10.88 | 8.2 | 0.2 | 0.2 | 0.3 | 3.8 | 0.2 | 0.8 | 4.8 | 0.1 | 15.7 | 36.2 | 1 | 4.3 | 56.3 | 480 | 72.5 | 7.5 |
| GC10 | 90 | 7.21 | 121 | 10.82 | 8.3 | 0.0 | 0.1 | 0.1 | 5.6 | 1.4 | 0.9 | 7.9 | 0.2 | 23.8 | 38 | 2 | 5.6 | 67.6 | 480 | 64.0 | 7.0 |
| GC11 | 100 | 7.31 | 121 | 10.78 | 8.0 | 0.0 | 0.1 | 0.1 | 5.7 | 1.3 | 0.8 | 7.8 | 0.2 | 23.6 | 53.2 | 2 | 5.0 | 82.0 | 460 | 78.5 | 7.0 |
| GC12 | 110 | 7.32 | 121 | 10.76 | 7.8 | 0.1 | 0.1 | 0.1 | 5.7 | 1.3 | 0.8 | 7.8 | 0.0 | 25.9 | 47.1 | 2 | 5.6 | 78.6 | 470 | 43.5 | 6.0 |
| GC13 | 120 | 7.33 | 121 | 10.76 | 7.7 | 0.1 | 0.1 | <0.1 | 6.4 | 1.6 | 0.8 | 8.8 | 0.3 | 26.8 | 37.9 | 1 | 4.9 | 69.9 | 450 | 56.0 | 6.5 |
| GC14 | 130 | 7.33 | 121 | 10.74 | 7.7 | 0.1 | 0.1 | <0.1 | 6.1 | 0 | 0.8 | 6.8 | 0.3 | 26.7 | 57 | 1 | 4.4 | 88.4 | 470 | 43.5 | 5.5 |
| GC15 | 140 | 7.34 | 121 | 10.74 | 7.6 | 0.1 | 0.1 | <0.1 | 6.6 | 0.4 | 0.9 | 7.9 | 0.2 | 28.8 | 39 | 2 | 5.8 | 73.8 | 490 | 54.5 | 6.0 |
| GC16 | 150 | 7.36 | 121 | 10.72 | 7.5 | 0.3 | 0.1 | 0.1 | 7.8 | 0.2 | 1.1 | 9.1 | 0.0 | 32.1 | 51.9 | 1 | 6.9 | 90.9 | 490 | 46.0 | 7.5 |

NH₄, NO₃, DON, Urea all as N

* = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

Lake Taupo biannual nutrient database

2003-2004

Started 27 October 1994

Collection date 19 November 2003

Secchi depth = 16.0 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| EU1 | 1 | 7.84 | 119 | 13.96 | 9.9 | <0.5 | <0.5 | 0.8 | 1.7 | 2.3 | 2.3 | 6.3 | 8.0 | 0.8 | 42.2 | 1 | 14.8 | 65.8 | 476 | 90.5 | 10.5 |
| EU2 | 10 | 7.84 | 120 | 13.79 | 9.9 | <0.5 | <0.5 | 0.9 | 1.6 | 1.4 | 2.5 | 5.5 | 0.3 | 0.3 | 52.4 | 1 | 14.4 | 67.4 | 461 | 147.5 | 15.0 |
| EU3 | 20 | 7.83 | 120 | 13.78 | 9.8 | <0.5 | <0.5 | 0.7 | 1.8 | 1.2 | 3.4 | 6.4 | 0.4 | 0.1 | 46.5 | 1 | 19.4 | 66.4 | 466 | 151.0 | 20.5 |
| EU4 | 30 | 7.84 | 120 | 13.70 | 9.5 | <0.5 | <0.5 | 0.9 | 1.8 | 2.2 | 3.8 | 7.8 | 0.4 | 0.3 | 42.3 | 1 | 26.3 | 69.3 | 450 | 133.0 | 18.5 |
| EU5 | 40 | 7.69 | 120 | 12.30 | 9.3 | <0.5 | <0.5 | 1.5 | 2.6 | 1.4 | 3.3 | 7.3 | 0.7 | 0.2 | 35.1 | 1 | 20.6 | 56.6 | 437 | 133.0 | 17.0 |
| EU6 | 50 | 7.63 | 121 | 11.35 | 9.0 | <0.5 | <0.5 | 1.2 | 2.8 | 1.2 | 1.9 | 5.9 | 0.4 | 0.5 | 37.1 | 1 | 11.9 | 49.9 | 470 | 92.5 | 11.0 |
| EU7 | 60 | 7.58 | 121 | 11.28 | 8.9 | <0.5 | <0.5 | 0.7 | 3.3 | 0.7 | 1.5 | 5.5 | 1.0 | 3.2 | 27.8 | 2 | 9.6 | 41.6 | 503 | 69.5 | 8.0 |
| EU8 | 70 | 7.59 | 121 | 11.23 | 8.7 | <0.5 | <0.5 | 0.6 | 3.5 | 0.5 | 1.1 | 5.1 | 3.4 | 4.8 | 25.8 | 1 | 6.2 | 40.2 | 465 | 47.0 | <6 |
| EU9 | 80 | 7.6 | 121 | 11.19 | 8.6 | <0.5 | <0.5 | 0.5 | 3.6 | 0.4 | 1.1 | 5.1 | 0.6 | 5.9 | 29.5 | 2 | 5.1 | 41.1 | 430 | 65.0 | <6 |
| EU10 | 90 | 7.57 | 121 | 11.16 | 8.6 | <0.5 | <0.5 | 0.5 | 3.9 | 0.1 | 1.2 | 5.2 | 1.0 | 7.0 | 27 | 3 | 6.4 | 41.4 | 391 | 39.5 | <6 |
| EU11 | 100 | 7.59 | 121 | 11.15 | 8.6 | <0.5 | 0.7 | 0.4 | 4.1 | 0.9 | 1.2 | 6.2 | 0.8 | 7.8 | 33.4 | 2 | 4.0 | 46.0 | 405 | 46.5 | <6 |
| EU12 | 110 | 7.6 | 121 | 11.12 | 8.4 | <0.5 | <0.5 | 0.4 | 4.1 | 0.9 | 1.1 | 6.1 | 1.1 | 11.8 | 29.1 | 3 | 3.4 | 45.4 | 428 | 45.5 | <6 |
| EU13 | 120 | 7.57 | 120 | 11.11 | 8.4 | <0.5 | <0.5 | 0.4 | 4.6 | 0.4 | 1.2 | 6.2 | 0.7 | 13.6 | 32.7 | 2 | 3.0 | 50.0 | 439 | 37.0 | <6 |
| EU14 | 130 | 7.53 | 121 | 11.09 | 8.3 | <0.5 | <0.5 | 0.3 | 5.1 | 0.4 | 1.2 | 6.7 | 0.8 | 16.1 | 32.7 | 3 | 3.7 | 53.3 | 408 | 33.0 | <6 |
| EU15 | 140 | 7.57 | 121 | 11.09 | 8.2 | <0.5 | <0.5 | 0.3 | 5.3 | 0.7 | 1.2 | 7.2 | 0.4 | 18.1 | 32.5 | 3 | 5.1 | 56.1 | 440 | 54.5 | <6 |
| EU16 | 150 | 7.54 | 120 | 11.09 | 8.0 | 0.5 | <0.5 | 0.5 | 5.6 | 1.4 | 1.5 | 8.5 | 2.4 | 20.7 | 32.9 | 4 | 6.4 | 62.4 | 481 | 44.0 | <6 |

Collection date 31 March 2004

Secchi depth = 16.0 m

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| MB1 | 1 | 7.86 | 118 | 16.49 | 9.2 | <0.5 | <0.5 | 0.7 | 0.9 | 4.1 | 1.4 | 6.4 | 1 | 0 | 69 | - | 9.7 | 79.7 | 622 | 91.0 | - |
| MB2 | 10 | 7.83 | 118 | 16.29 | 9.1 | <0.5 | <0.5 | 1.2 | 0.5 | 3.5 | 2.0 | 6.0 | 0 | 0 | 47 | - | 12.4 | 59.4 | 548 | 141.5 | 17.0 |
| MB3 | 20 | 7.83 | 118 | 16.23 | 9.0 | <0.5 | <0.5 | 1.1 | 0.6 | 3.4 | 2.1 | 6.1 | 1 | 0.2 | 47.8 | - | 14.8 | 63.8 | 561 | 140.5 | 17.0 |
| MB4 | 30 | 7.83 | 118 | 16.19 | 9.0 | <0.5 | <0.5 | 1.1 | 0.8 | 3.2 | 1.9 | 5.9 | 1 | 0.2 | 50.8 | - | 13.5 | 65.5 | 749 | 131.5 | 15.5 |
| MB5 | 40 | 7.66 | 118 | 16.15 | 8.9 | <0.5 | <0.5 | 0.9 | 1.5 | 1.5 | 1.9 | 4.9 | 1 | 2.8 | 71.2 | - | 11.6 | 86.6 | 560 | 114.5 | 14.0 |
| MB6 | 50 | 7.46 | 120 | 12.51 | 8.2 | <0.5 | <0.5 | 0.5 | 3.3 | 2.7 | 1.5 | 7.5 | 1 | 12.1 | 58.9 | - | 7.2 | 79.2 | 467 | 109.0 | 7.5 |
| MB7 | 60 | 7.41 | 121 | 11.59 | 8.0 | <0.5 | <0.5 | 0.3 | 4.7 | 2.3 | 1.0 | 8.0 | 1 | 18.0 | 41 | - | 4.2 | 64.2 | 394 | 54.5 | 7.0 |
| MB8 | 70 | 7.36 | 121 | 11.40 | 8.0 | <0.5 | <0.5 | 0.2 | 4.5 | 1.5 | 0.8 | 6.8 | 1 | 19.1 | 36.9 | - | 3.7 | 60.7 | 404 | 45.0 | <4 |
| MB9 | 80 | 7.42 | 121 | 11.34 | 8.0 | <0.5 | <0.5 | 0.2 | 5.0 | 1.0 | 0.8 | 6.8 | 1 | 20.2 | 31.8 | - | 5.3 | 58.3 | 464 | 41.0 | <4 |
| MB10 | 90 | 7.36 | 121 | 11.30 | 7.9 | <0.5 | <0.5 | 0.1 | 5.2 | 1.8 | 0.7 | 7.7 | 3 | 22.1 | 35.9 | - | 3.9 | 64.9 | 453 | 52.0 | <4 |
| MB11 | 100 | 7.31 | 122 | 11.27 | 7.8 | <0.5 | <0.5 | 0.1 | 5.6 | 2.4 | 0.8 | 8.8 | 2 | 23.9 | 38.1 | - | 3.0 | 67.0 | 477 | 36.5 | <4 |
| MB12 | 110 | 7.29 | 122 | 11.26 | 7.7 | <0.5 | <0.5 | <0.1 | 5.8 | 2.2 | 1.0 | 9.0 | 1 | 25.0 | 30 | - | 6.2 | 62.2 | 392 | 36.5 | 5.5 |
| MB13 | 120 | 7.31 | 121 | 11.24 | 7.6 | <0.5 | <0.5 | 0.1 | 5.9 | 3.1 | 0.8 | 9.8 | 1 | 25.0 | 59 | - | 3.6 | 88.6 | 373 | 53.5 | <4 |
| MB14 | 130 | 7.3 | 121 | 11.22 | 7.5 | <0.5 | <0.5 | <0.1 | 6.3 | 2.7 | 0.9 | 9.9 | 0 | 27.0 | 35 | - | 3.3 | 65.3 | 393 | 61.0 | <4 |
| MB15 | 140 | 7.3 | 121 | 11.21 | 7.4 | <0.5 | <0.5 | <0.1 | 6.6 | 3.4 | 0.8 | 10.8 | 0 | 27.8 | 46.2 | - | 3.3 | 77.3 | 356 | 35.0 | <4 |
| MB16 | 150 | 7.31 | 120 | 11.21 | 7.1 | <0.5 | <0.5 | 0.1 | 7.2 | 2.8 | 1.0 | 11.0 | 0 | 30.1 | 48.9 | - | 4.0 | 83.0 | 394 | 34.0 | <4 |

NH₄, NO₃, DON, Urea all as N

* = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

Lake Taupo biannual nutrient

2002-2003

Started 27 October 1994

Collection date 13 November 2002

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | Secchi depth = 18.0 m | | | | | | | | | | | | | | | |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| | | | | | | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
| NZ1 | 1 | 7.87 | 122 | 12.58 | 10.2 | 0.6 | <0.5 | 0.6 | 1.3 | 1.7 | 2.2 | 5.2 | 0.8 | 0.6 | 65.6 | 2 | 15.3 | 82.3 | 620 | 160.0 | 12.5 |
| NZ2 | 10 | 7.86 | 120 | 12.58 | 10.3 | 0.5 | <0.5 | 0.7 | 1.2 | 1.8 | 2.1 | 5.1 | 0.7 | 0.0 | 49.3 | 1 | 13.7 | 63.7 | 573 | 180.5 | 13.5 |
| NZ3 | 20 | 7.93 | 120 | 12.49 | 10.2 | 1.0 | <0.5 | 0.7 | 1.1 | 1.9 | 2.2 | 5.2 | 0.5 | 0.1 | 61.4 | 1 | 15.8 | 77.8 | 536 | 157.5 | 12.0 |
| NZ4 | 30 | 7.85 | 121 | 12.38 | 10.2 | <0.5 | <0.5 | 0.8 | 0.9 | 3.1 | 2.6 | 6.6 | 0.7 | 0.5 | 74.8 | 2 | 17.7 | 93.7 | 657 | 242.0 | 14.0 |
| NZ5 | 40 | 7.81 | 119 | 12.16 | 10.1 | <0.5 | <0.5 | 0.7 | 1.2 | 1.8 | 1.9 | 4.9 | 0.6 | 0.7 | 58.7 | 1 | 12.9 | 72.9 | 506 | 164.5 | 8.0 |
| NZ6 | 50 | 7.83 | 120 | 12.00 | 10.1 | <0.5 | <0.5 | 0.7 | 1.6 | 1.4 | 1.7 | 4.7 | 1.6 | 0.0 | 55.4 | 1 | 11.5 | 68.5 | 505 | 170.0 | 9.5 |
| NZ7 | 60 | 7.78 | 119 | 11.81 | 10.0 | <0.5 | <0.5 | 0.6 | 1.5 | 1.5 | 1.5 | 4.5 | 1.2 | 0.0 | 64.8 | 2 | 9.5 | 75.5 | 531 | 108.5 | 6.5 |
| NZ8 | 70 | 7.72 | 120 | 11.51 | 9.9 | <0.5 | <0.5 | 0.6 | 2.8 | 1.2 | 1.3 | 5.3 | 3.4 | 2.2 | 42.4 | 7 | 7.1 | 55.1 | 514 | 53.5 | 5.0 |
| NZ9 | 80 | 7.67 | 120 | 11.32 | 9.7 | <0.5 | <0.5 | 0.4 | 2.7 | 1.3 | 1.1 | 5.1 | 3.3 | 0.9 | 38.8 | 2 | 5.9 | 48.9 | 578 | 61.0 | 4.5 |
| NZ10 | 90 | 7.77 | 121 | 11.13 | 9.6 | <0.5 | <0.5 | 0.4 | 2.8 | 1.2 | 1.0 | 5.0 | 3.7 | 0.4 | 44.9 | 4 | 6.6 | 55.6 | 487 | 41.0 | <2 |
| NZ11 | 100 | 7.53 | 122 | 11.08 | 9.4 | <0.5 | <0.5 | 0.2 | 3.0 | 2.0 | 0.8 | 5.8 | 4.2 | 3.7 | 65.1 | 5 | 6.1 | 79.1 | 525 | 31.0 | <2 |
| NZ12 | 110 | 7.64 | 121 | 11.05 | 9.4 | <0.5 | <0.5 | 0.1 | 3.3 | 1.7 | 0.7 | 5.7 | 3.4 | 5.4 | 57.2 | 4 | 4.4 | 70.4 | 472 | 38.0 | <2 |
| NZ13 | 120 | 7.55 | 122 | 11.01 | 9.3 | <0.5 | <0.5 | 0.2 | 3.6 | 0.4 | 1.0 | 5.0 | 3.0 | 7.0 | 51.0 | 6 | 5.9 | 66.9 | 473 | 64.5 | 4.0 |
| NZ14 | 130 | 7.32 | 123 | 10.99 | 9.2 | <0.5 | <0.5 | 0.1 | 3.6 | 0.4 | 1.0 | 5.0 | 2.9 | 7.5 | 45.6 | 5 | 6.7 | 62.7 | 555 | 70.5 | 3.5 |
| NZ15 | 140 | 7.47 | 121 | 10.97 | 9.1 | 0.5 | <0.5 | 0.1 | 3.7 | 1.3 | 0.9 | 5.9 | 2.5 | 10.5 | 60.0 | 16 | 6.7 | 79.7 | 460 | 54.5 | 3.0 |
| NZ16 | 150 | 7.46 | 121 | 10.96 | 9.0 | <0.5 | <0.5 | 0.2 | 4.3 | 1.7 | 1.0 | 7.0 | 0.5 | 12.9 | 58.6 | 4 | 6.4 | 78.4 | 461 | 52.5 | 3.0 |

Collection date 3 April 2003

| Code | Depth m | pH | EC @25oC mS cm ⁻¹ | Temp °C | DO g m ⁻³ | Secchi depth = 13.5 m | | | | | | | | | | | | | | | |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| | | | | | | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
| UJ1 | 1 | 8.01 | 119 | 19.20 | 8.8 | 3.0 | 0.5 | 0.7 | 0.8 | 3.2 | 1.8 | 5.8 | 5 | 0.4 | 75.6 | 5 | 18.8 | 99.8 | 546 | 219.0 | 19.5 |
| UJ2 | 10 | 8.07 | 146 | 18.71 | 8.8 | 0.7 | 1.0 | 1.4 | 0.9 | 4.1 | 2.5 | 7.5 | <1 | 0.6 | 45.4 | 1 | 24.0 | 70.0 | 511 | 304.5 | 29.0 |
| UJ3 | 20 | 8.15 | 120 | 18.60 | 8.6 | 1.0 | 0.7 | 1.3 | 0.6 | 3.4 | 2.3 | 6.3 | <1 | 0.6 | 40.4 | 1 | 23.7 | 64.7 | 520 | 270.0 | 31.5 |
| UJ4 | 30 | 7.93 | 119 | 16.93 | 8.3 | <0.5 | <0.5 | 1.5 | 0.8 | 3.2 | 1.8 | 5.8 | <1 | 0.3 | 39.7 | 1 | 20.4 | 60.4 | 503 | 181.0 | 39.0 |
| UJ5 | 40 | 7.66 | 118 | 13.31 | 8.0 | <0.5 | <0.5 | 1.3 | 1.7 | 3.3 | 1.7 | 6.7 | <1 | 0.8 | 39.2 | 1 | 12.2 | 52.2 | 443 | 115.0 | 54.0 |
| UJ6 | 50 | 7.61 | 122 | 12.39 | 7.9 | <0.5 | 1.0 | 0.7 | 2.9 | 2.1 | 1.3 | 6.3 | <1 | 4.8 | 35.2 | 3 | 8.6 | 48.6 | 410 | 92.5 | 5.5 |
| UJ7 | 60 | 7.57 | 138 | 11.80 | 7.7 | <0.5 | <0.5 | 0.5 | 3.9 | 2.1 | 1.1 | 7.1 | <1 | 10.7 | 32.3 | 1 | 5.9 | 48.9 | 366 | 86.5 | 4.5 |
| UJ8 | 70 | 7.42 | 121 | 11.50 | 7.6 | <0.5 | <0.5 | 0.2 | 4.4 | 1.6 | 0.9 | 6.9 | <1 | 16.3 | 27.7 | 1 | 6.1 | 50.1 | 404 | 109.5 | 4.0 |
| UJ9 | 80 | 7.39 | 121 | 11.32 | 7.5 | <0.5 | <0.5 | 0.1 | 4.5 | 1.5 | 1.0 | 7.0 | <1 | 19.3 | 41.7 | 1 | 6.2 | 67.2 | 365 | 37.0 | 4.0 |
| UJ10 | 90 | 7.32 | 121 | 11.20 | 7.3 | <0.5 | <0.5 | 0.1 | 4.7 | 1.3 | 0.8 | 6.8 | <1 | 21.9 | 24.1 | 2 | 4.5 | 50.5 | 360 | 40.0 | <4 |
| UJ11 | 100 | 7.29 | 121 | 11.19 | 7.3 | <0.5 | <0.5 | <0.1 | 5.3 | 2.7 | 0.9 | 8.9 | <1 | 23.9 | 27.1 | 2 | 4.6 | 55.6 | 387 | 92.5 | <4 |
| UJ12 | 110 | 7.26 | 120 | 11.12 | 7.2 | <0.5 | <0.5 | <0.1 | 5.5 | 0.5 | 0.7 | 6.7 | <1 | 25.2 | 30.8 | 1 | 2.9 | 58.9 | 366 | 28.5 | <4 |
| UJ13 | 120 | 7.33 | 122 | 11.11 | 7.0 | <0.5 | <0.5 | <0.1 | 6.6 | 0.4 | 0.7 | 7.7 | <1 | 28.8 | 36.2 | 5 | 2.5 | 67.5 | 409 | 40.0 | <4 |
| UJ14 | 130 | 7.27 | 123 | 11.09 | 6.9 | <0.5 | <0.5 | <0.1 | 7.7 | 0.3 | 0.9 | 8.9 | <1 | 30.9 | 29.1 | 3 | 3.2 | 63.2 | 382 | 15.5 | <4 |
| UJ15 | 140 | 7.28 | 122 | 11.10 | 6.8 | <0.5 | <0.5 | <0.1 | 7.6 | 0.4 | 0.8 | 8.8 | <1 | 30.4 | 47.6 | 4 | 4.3 | 82.3 | 384 | 47.5 | <4 |
| UJ16 | 150 | 7.29 | 122 | 11.09 | 6.5 | <0.5 | <0.5 | <0.1 | 9.0 | 5.0 | 1.6 | 15.6 | <1 | 36.4 | 30.6 | 2 | 6.5 | 73.5 | 371 | 38.5 | <4 |

NH₄, NO₃, DON, Urea all as N

* = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given as a better indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N below nominal detection limit.

Lake Taupo biannual nutrient database

2001-2002

Started 27 October 1994

Collection date 12 November 2001

Secchi depth = 15.5 m

| Code | Depth m | pH | EC @25oC µS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH4-N mg m ⁻³ | NO3-N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| XH1 | 1 | 7.85 | 122 | 14.23 | 9.5 | 0.5 | <0.5 | 0.6 | 0.9 | 1.1 | 1.55 | 3.6 | <1 | <0.5 | 29 | 2 | 6 | 35 | 500 | 146.5 | 12.0 |
| XH2 | 10 | 7.86 | 122 | 14.16 | 9.8 | 0.5 | <0.5 | 0.7 | 1.1 | 0.9 | 4.3 | 6.3 | <1 | <0.5 | 32 | 2 | 16.5 | 49 | 520 | 212.0 | 31.3 |
| XH3 | 20 | 7.82 | 119 | 13.37 | 9.4 | <0.5 | <0.5 | 1.0 | 1.1 | <0.5 | 3.5 | 4.6 | <1 | <0.5 | 28 | 1 | 20 | 48 | 510 | 340.5 | 26.8 |
| XH4 | 30 | 7.6 | 116 | 12.85 | 9.4 | 0.6 | 0.7 | 1.3 | 1.6 | <0.5 | 3.1 | 4.7 | <1 | 1.0 | 29 | 1 | 14.5 | 45 | 480 | 264.5 | 24.7 |
| XH5 | 40 | 7.44 | 122 | 11.87 | 8.9 | <0.5 | <0.5 | 1.3 | 2.2 | <0.5 | 2.8 | 5.0 | 1 | 2.5 | 25.5 | 2 | 11.5 | 41 | 470 | 200.5 | 21.7 |
| XH6 | 50 | 7.46 | 121 | 11.57 | 9.0 | <0.5 | <0.5 | 0.9 | 2.6 | <0.5 | 1.75 | 4.4 | <1 | 7.2 | 26.8 | 2 | 6 | 40 | 470 | 136.5 | 12.6 |
| XH7 | 60 | 7.41 | 121 | 11.24 | 8.7 | 1.3 | 1.2 | 0.7 | 2.6 | <0.5 | 1.4 | 4.0 | <1 | 8.0 | 24 | 2 | <2 | 32 | 440 | 104.5 | 9.1 |
| XH8 | 70 | 7.4 | 122 | 11.13 | 8.8 | <0.5 | <0.5 | 0.5 | 2.9 | <0.5 | 1.15 | 4.1 | <1 | 12.3 | 21.7 | 2 | <2 | 34 | 450 | 142.0 | 7.2 |
| XH9 | 80 | 7.38 | 122 | 11.03 | 8.6 | <0.5 | <0.5 | 0.4 | 3.2 | <0.5 | 1.15 | 4.4 | <1 | 13.6 | 29.4 | 4 | <2 | 43 | 440 | 103.0 | 8.1 |
| XH10 | 90 | 7.4 | 119 | 11.01 | 8.8 | <0.5 | <0.5 | 0.4 | 3.2 | <0.5 | 1.05 | 4.3 | <1 | 15.1 | 21.9 | 2 | <2 | 37 | 420 | 79.0 | 6.2 |
| XH11 | 100 | 7.35 | 120 | 10.99 | 8.6 | <0.5 | <0.5 | 0.3 | 3.8 | <0.5 | 1.05 | 4.9 | <1 | 17.8 | 25.2 | 2 | 4 | 47 | 460 | 98.0 | 6.6 |
| XH12 | 110 | 7.36 | 122 | 10.97 | 8.6 | <0.5 | <0.5 | 0.3 | 4.0 | <0.5 | 1.1 | 5.1 | <1 | 19.5 | 24.5 | 2 | <2 | 44 | 490 | 116.5 | 5.8 |
| XH13 | 120 | 7.35 | 126 | 10.95 | 8.4 | <0.5 | <0.5 | 0.3 | 4.5 | <0.5 | 1.3 | 5.8 | <1 | 22.0 | 22 | 2 | <2 | 44 | 490 | 93.5 | 5.6 |
| XH14 | 130 | 7.38 | 127 | 10.94 | 8.4 | <0.5 | <0.5 | 0.3 | 4.4 | <0.5 | 1.1 | 5.5 | <1 | 21.1 | 21.9 | 2 | <2 | 43 | 420 | 113.5 | 5.5 |
| XH15 | 140 | 7.34 | 126 | 10.94 | 8.2 | <0.5 | <0.5 | 0.3 | 5.2 | <0.5 | 1.3 | 6.5 | <1 | 24.7 | 25.3 | 2 | <2 | 50 | 440 | 93.5 | 7.3 |
| XH16 | 150 | 7.38 | 127 | 10.94 | 8.1 | 1.3 | 0.6 | 0.3 | 5.3 | <0.5 | 1.3 | 6.6 | <1 | 25.2 | 26.8 | 3 | <2 | 52 | 480 | 83.5 | 7.7 |

Collection date 4 April 2002

Secchi depth = 19.0 m

| Code | Depth m | pH | EC @25oC µS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH4-N mg m ⁻³ | NO3-N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC g m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------------------|
| EJ1 | 1 | 7.91 | 119 | 17.45 | 8.8 | <0.5 | <0.5 | 0.72 | 0.5 | 0.5 | 1 | 2.0 | 1.1 | 0.3 | 44.6 | | 7.85 | 53.9 | 0.5 | 187.0 | 10.0 |
| EJ2 | 10 | 7.94 | 118 | 17.38 | 8.9 | <0.5 | <0.5 | 0.96 | 0.6 | 1.4 | 1.4 | 3.4 | 0.2 | 0.1 | 44.7 | | 9.4 | 54.4 | 0.6 | 164.5 | 10.5 |
| EJ3 | 20 | 7.88 | 119 | 17.18 | 8.8 | <0.5 | <0.5 | 1.02 | 0.5 | 1.5 | 1.35 | 3.4 | 0.3 | 0.0 | 38.7 | | 9.45 | 48.5 | 0.8 | 154.5 | 11.0 |
| EJ4 | 30 | 7.85 | 119 | 16.83 | 8.7 | <0.5 | <0.5 | 0.95 | 0.7 | 2.3 | 1.45 | 4.5 | 0.4 | 0.1 | 40.5 | | 8.4 | 49.4 | 0.5 | 136.5 | 10.5 |
| EJ5 | 40 | 7.65 | 121 | 12.9 | 8.3 | <0.5 | <0.5 | 0.89 | 1.4 | 0.6 | 1.2 | 3.2 | 0.4 | 0.8 | 32.8 | | 7.95 | 42.0 | 0.4 | 100.0 | 8.0 |
| EJ6 | 50 | 7.66 | 120 | 12.09 | 8.2 | <0.5 | <0.5 | 0.85 | 2.1 | 0.9 | 1.3 | 4.3 | 0.4 | 3.5 | 35.1 | | 7.8 | 46.8 | 0.4 | 114.0 | 9.0 |
| EJ7 | 60 | 7.60 | 123 | 11.51 | 8.1 | <0.5 | <0.5 | 0.50 | 3.9 | 2.1 | 1 | 7.0 | 0.9 | 12.3 | 30.8 | | 5.7 | 49.7 | 0.4 | 75.0 | 6.0 |
| EJ8 | 70 | 7.42 | 123 | 11.3 | 8.0 | <0.5 | <0.5 | 0.26 | 4.5 | 0.5 | 0.95 | 6.0 | <0.0 | 20.9 | 30.1 | | 5.65 | 56.7 | 0.5 | 49.5 | 4.0 |
| EJ9 | 80 | 7.46 | 121 | 11.24 | 7.9 | <0.5 | <0.5 | 0.24 | 4.6 | 0.4 | 1.1 | 6.1 | 0.2 | 24.8 | 29 | | 7.55 | 61.6 | 0.3 | 50.0 | 5.0 |
| EJ10 | 90 | 7.38 | 121 | 11.19 | 7.8 | <0.5 | <0.5 | 0.19 | 5.3 | <0.5 | 0.75 | 6.1 | 0.3 | 28.1 | 23.6 | | 4.45 | 56.5 | 0.4 | 48.0 | 4.0 |
| EJ11 | 100 | 7.33 | 121 | 11.17 | 7.8 | <0.5 | <0.5 | 0.11 | 5.4 | 0.6 | 0.8 | 6.8 | 0.1 | 28.6 | 30.3 | | 5.05 | 64.1 | 0.3 | 76.0 | 5.5 |
| EJ12 | 110 | 7.37 | 122 | 11.14 | 7.7 | <0.5 | <0.5 | 0.10 | 6.0 | <0.5 | 0.8 | 6.8 | 0.5 | 31.7 | 23.8 | | 6.15 | 62.2 | 0.6 | 67.5 | 7.5 |
| EJ13 | 120 | 7.36 | 122 | 11.14 | 7.7 | <0.5 | <0.5 | 0.10 | 6.3 | <0.5 | 0.6 | 6.9 | 0.2 | 32.2 | 24.6 | | 3.25 | 60.3 | 0.3 | 46.5 | 4.0 |
| EJ14 | 130 | 7.32 | 122 | 11.13 | 7.6 | <0.5 | <0.5 | 0.09 | 6.5 | <0.5 | 0.45 | 7.0 | 0.1 | 32.2 | 26.7 | | 0.8 | 59.8 | 0.5 | 48.0 | 5.5 |
| EJ15 | 140 | 7.34 | 122 | 11.13 | 7.1 | <0.5 | <0.5 | 0.07 | 7.0 | <0.5 | 0.7 | 7.7 | 1.1 | 34.0 | 29.9 | | 4.9 | 69.9 | 0.4 | 44.0 | 4.0 |
| EJ16 | 150 | 7.44 | 122 | 11.13 | 7.0 | <0.5 | <0.5 | 0.09 | 8.7 | <0.5 | 0.9 | 9.6 | 0.8 | 36.3 | 24.9 | | 4.45 | 66.5 | 0.4 | 75.5 | 4.0 |

NH₄, NO₃, DON, Urea all as N

* = PN by wet digestion method, ** = PN by combustion furnace method.

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

New Analytical instrument (Flow Injection Analysis) from January 2002, gives greatly improved resolution at low levels.

FIA instrument results are given for Autumn as an indication of likely absolute low levels of DRP, NO₃-N, and NH₄-N.

Lake Taupo biannual nutrient database

2000-2001

Started 27 October 1994

Collection date 26 October 2000

| Code | Depth m | pH | EC @25°C µS cm ⁻¹ | Temp °C | Secchi depth = 11 m | | | | | | | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH4-N mg m ⁻³ | NO3-N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC g m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|----|---|-----|---------------------------|---------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------------------|
| | | | | | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | | | | | | | | | | | | | | | | |
| FX1 | 1 | 7.87 | 120 | 12.5 | 9.1 | 0.5 | <0.5 | 0.4 | <1 | 3 | 2 | 5.0 | 1 | <1 | 25 | 4 | 9 | 35 | 0.5 | 104.5 | 4.0 | | | |
| FX2 | 10 | 7.85 | 120 | 11.5 | 8.7 | 0.8 | 0.5 | 1.1 | 1 | 4 | 3 | 8.0 | <1 | <1 | 33 | 2 | 23 | 56 | 0.5 | 196.0 | 12.0 | | | |
| FX3 | 20 | 7.79 | 120 | 11.4 | 8.7 | <0.5 | <0.5 | 1.3 | <1 | 2 | 4 | 6.0 | <1 | <1 | 41 | 2 | 29 | 70 | 0.5 | 237.0 | 19.0 | | | |
| FX4 | 30 | 7.74 | 120 | 11.3 | 8.7 | 1.1 | 0.5 | 1.3 | <1 | 2 | 3 | 5.0 | <1 | <1 | 36 | 1 | 24 | 60 | 0.5 | 183.0 | 11.0 | | | |
| FX5 | 40 | 7.69 | 119 | 11.3 | 9.1 | 0.9 | 0.5 | 1.5 | <1 | 2 | 3 | 5.0 | 1 | <1 | 38 | 2 | 18 | 57 | 0.5 | 90.5 | 7.0 | | | |
| FX6 | 50 | 7.63 | 120 | 11.3 | 9.1 | 0.8 | <0.5 | 1.4 | 1 | 2 | 2 | 5.0 | 2 | <1 | 64 | 2 | 14 | 80 | 0.4 | 79.5 | 6.0 | | | |
| FX7 | 60 | 7.54 | 120 | 11.3 | 8.7 | 0.9 | <0.5 | 1.2 | 1 | 1 | 2 | 4.0 | <1 | <1 | 45 | 2 | 14 | 59 | 0.4 | 58.0 | 5.0 | | | |
| FX8 | 70 | 7.52 | 120 | 11.2 | 8.7 | <0.5 | <0.5 | 1.2 | 1 | 1 | 2 | 4.0 | 4 | 1 | 38 | 4 | 14 | 57 | 0.5 | 61.5 | 5.0 | | | |
| FX9 | 80 | 7.52 | 120 | 11.2 | 8.7 | 0.9 | <0.5 | 1.1 | 2 | 2 | 2.5 | 6.5 | 5 | 2 | 44 | 2 | 13 | 64 | 0.5 | 44.5 | <4 | | | |
| FX10 | 90 | 7.59 | 120 | 11.2 | 8.7 | 0.9 | <0.5 | 1.1 | 2 | 2 | 2 | 6.0 | 6 | 3 | 37 | 2 | 14 | 60 | 0.5 | 58.5 | 5.5 | | | |
| FX11 | 100 | 7.47 | 120 | 11.1 | 8.7 | <0.5 | <0.5 | 1.4 | 1 | 1 | 3 | 5.0 | 3 | 4 | 39 | 4 | 16 | 62 | 0.4 | 48.5 | 6.0 | | | |
| FX12 | 110 | 7.41 | 121 | 11.1 | 8.7 | 0.9 | <0.5 | 1.2 | 2 | 2 | 3 | 7.0 | 3 | 4 | 38 | 3 | 15 | 60 | 0.4 | 29.5 | <4 | | | |
| FX13 | 120 | 7.40 | 121 | 11.0 | 8.2 | 0.5 | <0.5 | 0.8 | 2 | 2 | 2 | 6.0 | 6 | 7 | 38 | 5 | 8 | 59 | 0.4 | 104.0 | 5.5 | | | |
| FX14 | 130 | 7.42 | 121 | 11.0 | 8.5 | 0.6 | <0.5 | 0.2 | 2 | 2 | 2 | 6.0 | 6 | 7 | 41 | 4 | 11 | 65 | 0.4 | 71.0 | 6.5 | | | |
| FX15 | 140 | 7.36 | 121 | 11.0 | 8.6 | 0.8 | <0.5 | 0.6 | 4 | 1 | 3 | 8.0 | 5 | 11 | 40 | 3 | 11 | 67 | 0.4 | 65.5 | 5.0 | | | |
| FX16 | 150 | 7.32 | 121 | 11.0 | 8.5 | 0.6 | <0.5 | 1.4 | 4 | 2 | 4 | 10.0 | 8 | 13 | 47 | 9 | 18 | 86 | 0.4 | 110.5 | 8.0 | | | |

Collection date 8 April 2001

| Code | Depth m | pH | EC @25°C µS cm ⁻¹ | Temp °C | Secchi depth = 13.5 m | | | | | | | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH4-N mg m ⁻³ | NO3-N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC g m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|----|---|-----|---------------------------|---------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------------------|
| | | | | | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | | | | | | | | | | | | | | | | |
| NZ1 | 1 | 7.94 | 120 | 17.0 | 8.3 | <0.5 | <0.5 | 1.0 | <1 | 2 | 2 | 4.0 | 2 | 1 | 40 | 7 | 20.0 | 63.0 | 0.6 | 201.0 | 15.5 | | | |
| NZ2 | 10 | 7.97 | 120 | 16.9 | 8.3 | <0.5 | <0.5 | 1.4 | <1 | 1 | 2 | 3.0 | <1 | <1 | 29 | 1 | 19.0 | 48.0 | 0.6 | 189.0 | 13.0 | | | |
| NZ3 | 20 | 7.99 | 120 | 16.8 | 8.4 | <0.5 | <0.5 | 1.5 | <1 | 1 | 2 | 3.0 | <1 | <1 | 36 | 1 | 19.0 | 55.0 | 0.6 | 208.5 | 14.5 | | | |
| NZ4 | 30 | 7.96 | 124 | 15.8 | 8.0 | <0.5 | <0.5 | 1.2 | <1 | 2 | 2 | 4.0 | 1 | <1 | 42 | 1 | 16.0 | 59.0 | 0.6 | 156.0 | 10.5 | | | |
| NZ5 | 40 | 7.76 | 120 | 13.1 | 7.8 | <0.5 | <0.5 | 1.2 | <1 | 1 | 1.5 | 2.5 | 1 | 1 | 22 | 2 | 12.0 | 36.0 | 0.5 | 145.0 | 8.5 | | | |
| NZ6 | 50 | 7.69 | 119 | 12.4 | 7.5 | <0.5 | <0.5 | 1.0 | 2 | 0 | 1 | 3.0 | 1 | 2 | 22 | 2 | 10.0 | 35.0 | 0.5 | 100.0 | 5.5 | | | |
| NZ7 | 60 | 7.60 | 120 | 11.8 | 7.2 | <0.5 | <0.5 | 0.8 | 1 | 1 | 1 | 3.0 | <1 | 9 | 16 | 2 | 7.0 | 32.0 | 0.5 | 82.0 | <2 | | | |
| NZ8 | 70 | 7.57 | 120 | 11.7 | 7.1 | <0.5 | <0.5 | 0.4 | 3 | 0 | <1 | 3.0 | <1 | 19 | 25 | 2 | 5.5 | 49.5 | 0.4 | 80.5 | <2 | | | |
| NZ9 | 80 | 7.44 | 121 | 11.5 | 6.9 | <0.5 | <0.5 | 0.3 | 3 | 0 | <1 | 3.0 | 2 | 24 | 15 | 3 | 5.0 | 46.0 | 0.6 | 70.0 | <2 | | | |
| NZ10 | 90 | 7.39 | 121 | 11.5 | 6.9 | <0.5 | <0.5 | 0.2 | 3 | 1 | <1 | 4.0 | 2 | 26 | 14 | 4 | 4.0 | 46.0 | 0.5 | 57.5 | <2 | | | |
| NZ11 | 100 | 7.38 | 122 | 11.4 | 6.8 | <0.5 | <0.5 | 0.2 | 4 | 0 | <1 | 4.0 | 2 | 29 | 16 | 1 | 4.0 | 51.0 | 0.5 | 47.5 | <2 | | | |
| NZ12 | 110 | 7.39 | 122 | 11.4 | 6.8 | <0.5 | <0.5 | 0.1 | 4 | 1 | <1 | 4.0 | 2 | 31 | 18 | 4 | 3.5 | 54.5 | 0.5 | 42.5 | <2 | | | |
| NZ13 | 120 | 7.41 | 121 | 11.3 | 6.7 | <0.5 | <0.5 | 0.1 | 5 | 0 | <1 | 5.0 | 1 | 33 | 16 | 4 | 5.0 | 55.0 | 0.4 | 40.0 | <2 | | | |
| NZ14 | 130 | 7.42 | 122 | 11.3 | 6.6 | <0.5 | <0.5 | 0.1 | 5 | 0 | <1 | 5.0 | 1 | 33 | 20 | 4 | 5.0 | 59.0 | 0.5 | 42.5 | <2 | | | |
| NZ15 | 140 | 7.34 | 123 | 11.3 | 6.4 | <0.5 | <0.5 | 0.1 | 6 | 1 | <1 | 7.0 | 2 | 38 | 12 | 5 | 4.5 | 56.5 | 0.5 | 55.0 | <2 | | | |
| NZ16 | 146 | 7.30 | 123 | 11.3 | 6.3 | <0.5 | <0.5 | 0.1 | 7 | 2 | 1 | 10.0 | 2 | 43 | 22 | 5 | 6.5 | 73.5 | 0.5 | 70.5 | <2 | | | |

NH₄, NO₃, DON, Urea all as N

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

* = PN by wet digestion method, ** = PN by combustion furnace method.

Lake Taupo biannual nutrient database
Collection date 18 October 1999

1999-2000

Started 27 October 1994

Secchi depth = 14.9 m

| Code | Depth m | pH | EC @25oC µS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a ⁺⁺ mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|---|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| PX1 | 1 | 7.71 | 119 | 12.8 | 8.9 | 0.5 | <0.5 | 0.14 | 0.5 | 3 | 3.7 | 7.2 | <1 | <1 | 41 | 16 | 19.4 | 60.4 | 441 | 105.7 | 8.8 |
| PX2 | 10 | 7.74 | 117 | 12.7 | 8.9 | <0.5 | <0.5 | 0.39 | 0.5 | 4 | 3.2 | 7.7 | <1 | <1 | 36 | 4 | 19.9 | 55.9 | 411 | 160.8 | 12.9 |
| PX3 | 20 | 7.73 | 122 | 12.4 | 8.9 | 0.6 | <0.5 | 0.80 | 1 | 2 | 5.5 | 8.5 | <1 | <1 | 34 | 1 | 37.8 | 71.8 | 437 | 254.7 | 37.3 |
| PX4 | 30 | 7.76 | 120 | 11.6 | 8.9 | <0.5 | 1.9 | 1.06 | 1 | 2 | 3.9 | 6.9 | <1 | <1 | 36 | <1 | 26.7 | 62.7 | 413 | 198.3 | 24.2 |
| PX5 | 40 | 7.57 | 117 | 11.4 | 8.8 | <0.5 | <0.5 | 3.14 | 2 | 2 | 2.4 | 6.4 | 5 | <1 | 44 | 22 | 14.6 | 63.6 | 392 | 117.2 | 9.7 |
| PX6 | 50 | 7.48 | 119 | 11.3 | 8.6 | <0.5 | <0.5 | 2.90 | 2.5 | 2 | 1.7 | 6.2 | 8 | 2 | 33 | 5 | 9.1 | 52.1 | 417 | 87.0 | 6.6 |
| PX7 | 60 | 7.49 | 118 | 11.1 | 8.6 | 0.5 | <0.5 | 1.45 | 3 | 1 | 1.5 | 5.5 | 7 | 9 | 36 | 5 | 12.6 | 64.6 | 449 | 95.0 | 11.1 |
| PX8 | 70 | 7.41 | 117 | 11.1 | 8.6 | <0.5 | <0.5 | 0.65 | 3.5 | 1 | 1.5 | 6.0 | 4 | 15 | 27 | 9 | 5.6 | 51.6 | 421 | 49.9 | 4.9 |
| PX9 | 80 | 7.39 | 117 | 11.0 | 8.5 | <0.5 | <0.5 | 0.75 | 3.5 | 2 | 1.4 | 6.9 | 4 | 17 | 31 | 7 | 5.7 | 57.7 | 398 | 42.7 | 5.7 |
| PX10 | 90 | 7.36 | 118 | 11.0 | 8.6 | <0.5 | <0.5 | 0.54 | 4 | 2 | 1.3 | 7.3 | 3 | 17 | 29 | 2 | 5.8 | 54.8 | 393 | 51.2 | 5.7 |
| PX11 | 100 | 7.36 | 118 | 11.0 | 8.6 | <0.5 | <0.5 | 0.63 | 4 | 1 | 1.6 | 6.6 | 4 | 18 | 30 | 2 | 7.3 | 59.3 | 492 | 56.1 | 5.8 |
| PX12 | 110 | 7.35 | 118 | 11.0 | 8.6 | 0.5 | <0.5 | 0.65 | 4 | 2 | 1.8 | 7.8 | 5 | 18 | 46 | 10 | 20.1 | 89.1 | 547 | 129.5 | 21.4 |
| PX13 | 120 | 7.33 | 119 | 11.0 | 8.3 | 0.8 | 0.7 | 0.71 | 4 | 2 | 1.7 | 7.7 | 6 | 19 | 47 | 20 | 45.3 | 117.3 | 530 | 222.3 | 44.3 |
| PX14 | 130 | 7.33 | 119 | 11.0 | 7.9 | 0.6 | 0.5 | 0.59 | 4 | 2 | 1.7 | 7.7 | 5 | 19 | 40 | 12 | 15.3 | 79.3 | 461 | 112.9 | 19.7 |
| PX15 | 140 | 7.32 | 123 | 11.0 | 7.5 | 0.6 | <0.5 | 0.90 | 4 | 1 | 2.3 | 7.3 | 4 | 19 | 53 | 12 | 16.5 | 92.5 | 514 | 84.5 | 9.7 |
| PX16 | 150 | 7.29 | 119 | 11.0 | 7.5 | 1.6 | <0.5 | 0.67 | 4.5 | 2 | 2.1 | 8.6 | 3 | 19 | 34 | 7 | 9.6 | 65.6 | 783 | 63.9 | 6.8 |

Collection date 12 April 2000

Secchi depth = 15 m

| Code | Depth m | pH | EC @25oC µS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ -N mg m ⁻³ | NO ₃ -N mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC mg m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--|--|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|----------------------------|
| YX1 | 1 | 7.86 | 118 | 17.4 | 9.2 | 0.6 | | 1.3 | <1 | 4 | 2 | 6.0 | 6 | 2 | 72 | 8 | 16 | 96.0 | 542 | 255.0 | 31.0 |
| YX2 | 10 | 7.88 | 118 | 17.3 | 9.2 | 1.1 | | 1.3 | <1 | 3 | 2 | 5.0 | 3 | 1 | 57 | 1 | 21 | 82.0 | 472 | 198.5 | 16.5 |
| YX3 | 20 | 7.88 | 118 | 17.2 | 9.2 | 1.0 | | 1.4 | <1 | 3 | 2 | 5.0 | 1 | <1 | 59 | 3 | 15.5 | 75.5 | 599 | 166.5 | 12.0 |
| YX4 | 30 | 7.79 | 118 | 16.7 | 9.0 | 1.1 | | 1.3 | <1 | 3 | 2 | 5.0 | 1 | <1 | 59 | 2 | 17 | 77.0 | 608 | 154.0 | 17.5 |
| YX5 | 40 | 7.29 | 119 | 12.6 | 8.3 | 0.6 | | 1.1 | 2 | 2 | 1 | 5.0 | 2 | 2 | 57 | 6 | 9.5 | 70.5 | 396 | 72.0 | 6.0 |
| YX6 | 50 | 7.17 | 120 | 11.7 | 8.0 | 1.0 | | 0.8 | 3 | 2 | 1 | 6.0 | 2 | 7 | 42 | 7 | 8.5 | 59.5 | 403 | 94.5 | 7.5 |
| YX7 | 60 | 7.18 | 119 | 11.4 | 8.0 | 0.5 | | 1.0 | 4 | 1 | <1 | 5.0 | 1 | 16 | 44 | 1 | 4 | 65.0 | 402 | 48.5 | <4 |
| YX8 | 70 | 7.1 | 120 | 11.3 | 8.0 | 0.6 | <0.1 | | 6 | 1 | <1 | 7.0 | 6 | 29 | 35 | 1 | 6.5 | 76.5 | 418 | 41.0 | 4.0 |
| YX9 | 80 | 7.14 | 120 | 11.2 | 7.9 | 1.0 | <0.1 | | 6 | 1 | <1 | 7.0 | 2 | 32 | 46 | 1 | 12 | 92.0 | 451 | 105.5 | 8.0 |
| YX10 | 90 | 7.11 | 120 | 11.2 | 7.9 | 0.7 | <0.1 | | 7 | <1 | <1 | 7.0 | 1 | 35 | 34 | 2 | 11 | 81.0 | 428 | 67.5 | 5.0 |
| YX11 | 100 | 7.12 | 125 | 11.2 | 7.7 | 0.7 | <0.1 | | 7 | 2 | <1 | 9.0 | 2 | 37 | 41 | 1 | 8.5 | 88.5 | 417 | 68.5 | <4 |
| YX12 | 110 | 7.12 | 120 | 11.2 | 7.7 | 0.9 | <0.1 | | 7 | 2 | <1 | 9.0 | 2 | 37 | 50 | 3 | 11 | 100.0 | 439 | 65.0 | 5.5 |
| YX13 | 120 | 7.06 | 120 | 11.1 | 7.7 | 0.6 | <0.1 | | 8 | 1 | <1 | 9.0 | 3 | 39 | 47 | 1 | 6.5 | 95.5 | 431 | 40.5 | 0.0 |
| YX14 | 130 | 7.12 | 120 | 11.1 | 7.5 | 1.2 | <0.1 | | 8 | 1 | <1 | 9.0 | 2 | 40 | 47 | 3 | 9 | 98.0 | 453 | 57.0 | 5.0 |
| YX15 | 140 | 7.08 | 120 | 11.1 | 7.5 | 1.2 | <0.1 | | 9 | <1 | <1 | 9.0 | 2 | 42 | 45 | 2 | 8 | 97.0 | 415 | 50.5 | <4 |
| YX16 | 146 | 7.04 | 120 | 11.1 | 7.2 | 1.7 | | 0.1 | 10 | 3 | 1 | 14.0 | 4 | 43 | 42 | 2 | 10 | 99.0 | 429 | 92.0 | 4.0 |

NH₄, NO₃, DON, Urea all as N

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

* = PN by wet digestion method, ** = PN by combustion furnace method.

** = from calibrated chlorophyll fluorescence profiler (filters damaged)

Lake Taupo biannual nutrient database
Collection date 1 November 1998

1998-1999

Started 27 October 1994

Secchi depth = 13.5 m

| Code | Depth m | pH | EC @25oC µS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH4-N mg m ⁻³ | NO3-N mg m ⁻³ | DON mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC g m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|------|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------------------|
| DM1 | 1 | 7.91 | 118 | 13.6 | 10.4 | 0.8 | <0.5 | 0.8 | 0.7 | 1.5 | 2.0 | 4.2 | 3.4 | <0.5 | 35 | 10.8 | 49.2 | 133.5 | 133.5 | 12.0 |
| DM2 | 10 | 7.87 | 117 | 13.2 | 10.7 | 0.8 | <0.5 | 1.0 | 0.6 | 1.3 | 2.6 | 4.5 | 2.4 | <0.5 | 36 | 15.2 | 53.6 | 180.5 | 180.5 | 15.0 |
| DM3 | 20 | 7.82 | 118 | 12.7 | 10.7 | 0.5 | <0.5 | 1.4 | 0.6 | 1.4 | 2.9 | 4.9 | 1.9 | 1.1 | 37 | 18.0 | 58.0 | 215.0 | 215.0 | 23.3 |
| DM4 | 30 | 7.80 | 118 | 12.4 | 10.6 | <0.5 | <0.5 | 1.1 | 0.5 | 1.3 | 2.3 | 4.1 | 1.9 | <0.5 | 34 | 14.1 | 50.0 | 128.0 | 128.0 | 13.5 |
| DM5 | 40 | 7.75 | 118 | 12.4 | 10.4 | <0.5 | <0.5 | 0.6 | 0.6 | 1.2 | 1.7 | 3.5 | 2.5 | <0.5 | 34 | 9.2 | 45.7 | 118.0 | 118.0 | 10.4 |
| DM6 | 50 | 7.70 | 118 | 12.2 | 10.2 | <0.5 | <0.5 | 0.6 | 0.6 | 1.2 | 1.7 | 3.5 | 2.6 | 0.6 | 31 | 8.1 | 42.3 | 114.5 | 114.5 | 7.9 |
| DM7 | 60 | 7.46 | 119 | 11.7 | 10.0 | <0.5 | <0.5 | 0.4 | 2.1 | 1.0 | 1.4 | 4.5 | 1.6 | 9.5 | 32 | 6.0 | 49.1 | 73.0 | 73.0 | 6.0 |
| DM8 | 70 | 7.30 | 120 | 11.2 | 9.6 | <0.5 | <0.5 | 0.3 | 3.3 | 0.9 | 1.0 | 5.2 | 2.7 | 16.0 | 32 | 3.8 | 54.5 | 56.0 | 56.0 | 2.7 |
| DM9 | 80 | 7.15 | 121 | 11.1 | 9.1 | <0.5 | <0.5 | 0.2 | 3.9 | 0.8 | 0.9 | 5.6 | 1.5 | 20.5 | 29 | 5.0 | 56.0 | 64.5 | 64.5 | 2.7 |
| DM10 | 90 | 7.07 | 122 | 11.1 | 8.8 | <0.5 | <0.5 | 0.2 | 4.9 | 0.5 | 0.9 | 6.3 | 2.6 | 24.8 | 32 | 5.0 | 64.4 | 45.0 | 45.0 | 2.9 |
| DM11 | 100 | 7.16 | 121 | 11.0 | 8.5 | <0.5 | <0.5 | 0.2 | 5.0 | 0.5 | 0.9 | 6.4 | 3.3 | 26.2 | 34 | 3.6 | 67.1 | 42.5 | 42.5 | 2.0 |
| DM12 | 110 | 7.16 | 122 | 11.0 | 8.3 | <0.5 | <0.5 | 0.1 | 6.2 | 0.4 | 0.8 | 7.4 | 2.0 | 29.2 | 30 | 4.0 | 65.2 | 54.0 | 54.0 | 2.9 |
| DM13 | 120 | 7.11 | 122 | 11.0 | 8.0 | <0.5 | <0.5 | 0.1 | 6.4 | 0.3 | 0.8 | 7.5 | 2.2 | 30.6 | 29 | 3.3 | 65.1 | 63.0 | 63.0 | 1.8 |
| DM14 | 130 | 7.08 | 122 | 11.0 | 7.8 | <0.5 | <0.5 | 0.1 | 7.0 | 0.2 | 0.8 | 8.0 | 2.2 | 31.4 | 28 | 3.1 | 64.7 | 48.5 | 48.5 | 2.0 |
| DM15 | 140 | 7.07 | 123 | 10.9 | 7.6 | <0.5 | <0.5 | 0.1 | 7.9 | 0.0 | 0.9 | 8.8 | 2.0 | 33.8 | 32 | 5.0 | 72.8 | 54.0 | 54.0 | 2.0 |
| DM16 | 150 | 7.10 | 123 | 10.9 | 7.6 | 2.5 | <0.5 | 0.2 | 8.2 | 0.4 | 3.7 | 12.3 | 2.7 | 35.4 | 34 | 12.8 | 84.9 | 140.5 | 140.5 | 10.5 |

Collection date 14 April 1999

Secchi depth = 13 m

| Code | Depth m | pH | EC @25oC µS cm ⁻¹ | Temp °C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH4-N mg m ⁻³ | NO3-N mg m ⁻³ | DON mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC g m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ |
|------|------------|----|---------------------------------|------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------------------|
| II1 | 1 | | 119 | 18.3 | 8.9 | <0.5 | <0.5 | 1.2 | 0.6 | | 1.8 | 2.4 | 3 | <0.5 | 43 | 19.0 | 65.0 | 0.6 | 221.4 | 19.5 |
| II2 | 10 | | 118 | 18.3 | 8.8 | <0.5 | <0.5 | 1.2 | 0.5 | | 1.8 | 2.3 | 1 | <0.5 | 40 | 19.3 | 60.3 | 0.5 | 216.3 | 17.6 |
| II3 | 20 | | 118 | 18.3 | 8.8 | <0.5 | <0.5 | 1.2 | 0.5 | | 1.7 | 2.2 | 1 | 2 | 41 | 19.0 | 63.0 | 0.5 | 132.3 | 8.9 |
| II4 | 30 | | 118 | 18.1 | 8.7 | <0.5 | <0.5 | 1.2 | 1.1 | | 1.4 | 2.5 | 1 | 3 | 34 | 14.0 | 52.0 | 0.6 | 136.8 | 9.7 |
| II5 | 40 | | 118 | 12.9 | 8.4 | <0.5 | <0.5 | 0.7 | 2.3 | | 0.9 | 3.2 | 1 | 6 | 31 | 8.9 | 46.9 | 0.7 | 91.2 | 6.5 |
| II6 | 50 | | 119 | 11.9 | 8.1 | <0.5 | <0.5 | 0.4 | 3.1 | | 0.7 | 3.8 | 1 | 14 | 28 | 7.9 | 50.9 | 0.5 | 63.1 | 4.8 |
| II7 | 60 | | 121 | 11.6 | 8.0 | <0.5 | <0.5 | 0.3 | 4.3 | | 0.7 | 5.0 | 1 | 19 | 33 | 7.3 | 60.3 | 0.6 | 42.3 | 5.0 |
| II8 | 70 | | 121 | 11.4 | 8.0 | <0.5 | <0.5 | 0.2 | 5.5 | | 0.8 | 6.3 | 1 | 23 | 27 | 8.6 | 59.6 | 0.4 | 48.4 | 7.0 |
| II9 | 80 | | 122 | 11.3 | 7.8 | <0.5 | <0.5 | 0.1 | 5.9 | | 0.8 | 6.7 | 2 | 28 | 29 | 8.3 | 67.3 | 0.5 | 51.5 | 6.1 |
| II10 | 90 | | 123 | 11.2 | 7.6 | <0.5 | <0.5 | 0.1 | 6.1 | | 0.6 | 6.7 | 1 | 30 | 31 | 6.4 | 68.4 | 0.5 | 62.1 | 4.2 |
| II11 | 100 | | 122 | 11.2 | 7.4 | <0.5 | <0.5 | 0.1 | 6.1 | | 0.5 | 6.6 | 2 | 27 | 28 | 6.1 | 63.1 | 0.6 | 33.1 | 1.5 |
| II12 | 110 | | 120 | 11.2 | 7.2 | <0.5 | <0.5 | 0.1 | 6.6 | | 0.5 | 7.1 | 2 | 28 | 27 | 6.1 | 63.1 | 0.5 | 35.7 | 2.9 |
| II13 | 120 | | 122 | 11.2 | 7.1 | <0.5 | <0.5 | 0.1 | 6.4 | | 0.5 | 6.9 | 2 | 24 | 26 | 5.2 | 57.2 | 0.6 | 34.1 | 2.2 |
| II14 | 130 | | 122 | 11.1 | 6.8 | <0.5 | <0.5 | <0.1 | 7.5 | | 0.5 | 8.0 | 2 | 28 | 31 | 6.3 | 67.3 | 0.6 | 46.9 | 5.5 |
| II15 | 140 | | 122 | 11.1 | 6.3 | <0.5 | <0.5 | 0.1 | 8.8 | | 0.9 | 9.7 | 2 | 33 | 31 | 6.4 | 72.4 | 0.5 | 63.4 | 3.0 |
| II16 | 150 | | 116 | 11.1 | 5.9 | <0.5 | <0.5 | <0.1 | 8.6 | | 0.9 | 9.5 | 4 | 28 | 60 | 7.7 | 99.7 | 0.9 | 51.1 | 1.1 |

NH₄, NO₃, DON, Urea all as N

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

* = PN by wet digestion method, ** = PN by combustion furnace method.

Lake Taupo biannual nutrient database

1997-1998

Started 27 October 1994

Collection Date 30 October 1997

Secchi depth = 12.5 m

| ID | Depth m | pH | EC @25°C µS cm ⁻¹ | Temp C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ mg m ⁻³ | NO ₃ mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC g m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ | SO ₄ g m ⁻³ |
|------|------------|------|---------------------------------|-----------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------------------|---------------------------------------|---------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------------------|--------------------------------------|
| TT1 | 1 | 7.70 | 116.9 | 12.2 | 10.7 | 0.61 | 0.30 | 1.28 | 1.0 | 1.3 | 1.5 | 3.8 | 2.1 | 2.9 | 36 | 1.1 | 14.3 | 55.3 | 0.71 | 168.3 | 17.2 | |
| TT2 | 10 | 7.71 | 117.8 | 12.0 | 10.2 | 0.54 | 0.29 | 1.49 | 0.7 | 1.9 | 1.9 | 4.5 | 1.3 | 7.3 | 32 | 1.1 | 18.7 | 59.7 | 0.82 | 160.7 | 18.8 | |
| TT3 | 20 | 7.65 | 118.1 | 11.5 | 10.2 | 0.59 | 0.32 | 1.58 | 0.8 | 1.6 | 1.7 | 4.0 | 1.6 | 0.7 | 36 | 1.1 | 14.0 | 52.0 | 0.60 | 133.0 | 16.5 | |
| TT4 | 30 | 7.64 | 118.2 | 11.5 | 10.0 | 0.52 | 0.25 | 1.19 | 0.4 | 1.5 | 1.9 | 3.8 | 1.5 | 1.3 | 31 | 0.9 | 15.8 | 49.8 | 0.60 | 146.9 | 16.0 | |
| TT5 | 40 | 7.62 | 117.1 | 11.4 | 10.0 | 0.55 | 0.28 | 1.31 | 0.6 | 1.5 | 1.6 | 3.7 | 1.7 | 0.3 | 33 | 1.0 | 14.1 | 49.1 | 0.62 | 126.3 | 13.4 | |
| TT6 | 50 | 7.63 | 116.9 | 11.1 | 9.9 | 0.37 | 0.20 | 1.10 | 0.4 | 1.5 | 1.4 | 3.2 | 2.2 | 0.3 | 32 | 0.8 | 12.3 | 46.3 | 0.51 | 112.1 | 12.1 | |
| TT7 | 60 | 7.54 | 117.7 | 11.1 | 9.8 | 0.21 | 0.10 | 0.93 | 1.4 | 0.7 | 1.5 | 3.5 | 3.3 | 0.7 | 34 | 1.6 | 14.3 | 52.3 | 0.74 | 80.6 | 9.0 | |
| TT8 | 70 | 7.45 | 117.8 | 10.8 | 9.8 | 0.41 | 0.12 | 0.79 | 1.1 | 1.1 | 1.1 | 3.2 | 8.2 | 1.3 | 31 | 1.5 | 7.9 | 47.9 | 0.65 | 58.4 | 4.8 | |
| TT9 | 80 | 7.36 | 118.3 | 10.7 | 9.9 | 0.31 | 0.04 | 0.54 | 1.5 | 1.1 | 0.8 | 3.3 | 6.1 | 2.3 | 31 | 0.6 | 6.0 | 45.0 | 0.57 | 57.6 | 9.0 | |
| TT10 | 90 | 7.48 | 117.8 | 10.6 | 9.3 | 0.44 | 0.27 | 0.74 | 1.1 | 1.2 | 1.2 | 3.5 | 7.9 | 4.8 | 33 | 0.7 | 12.4 | 58.4 | 0.52 | 69.3 | 12.2 | |
| TT11 | 100 | 7.29 | 118.5 | 10.5 | 9.2 | 0.25 | 0.11 | 0.40 | 2.0 | 1.2 | 0.8 | 4.1 | 8.4 | 5.0 | 30 | 1.1 | 5.7 | 48.7 | 0.63 | 64.5 | 8.3 | |
| TT12 | 110 | 6.97 | 119.3 | 10.4 | 9.0 | 0.21 | 0.06 | 0.29 | 2.3 | 1.0 | 1.1 | 4.3 | 10.8 | 5.6 | 29 | 2.5 | 6.7 | 51.7 | 0.59 | 53.0 | 5.5 | |
| TT13 | 120 | 7.00 | 119.1 | 10.5 | 9.0 | 0.29 | 0.26 | 0.27 | 2.0 | 1.2 | 1.0 | 4.1 | 9.9 | 6.7 | 31 | 6.1 | 5.8 | 53.8 | 0.58 | 37.5 | 5.3 | |
| TT14 | 130 | 6.80 | 119.8 | 10.5 | 8.8 | 0.28 | 0.26 | 0.28 | 2.2 | 1.2 | 1.3 | 4.7 | 10.6 | 7.1 | 32 | 1.5 | 8.2 | 58.2 | 0.56 | 49.0 | 6.4 | |
| TT15 | 140 | 7.23 | 117.9 | 10.4 | 8.8 | 0.25 | 0.20 | 0.26 | 2.7 | 1.4 | 1.1 | 5.2 | 10.8 | 9.5 | 37 | 2.0 | 10.9 | 67.9 | 0.63 | 66.0 | 8.5 | |
| TT16 | 150 | 7.29 | 118.9 | 10.4 | 8.8 | 0.50 | 0.27 | 0.32 | 2.5 | 1.1 | 1.0 | 4.5 | 11.6 | 9.6 | 37 | 3.0 | 7.6 | 65.6 | 0.54 | 69.0 | 9.2 | |

Collection Date:- 7 April 1998

Secchi depth = 13.5 m

| ID | Depth m | pH | EC @25°C µS cm ⁻¹ | Temp C | DO g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor_a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ mg m ⁻³ | NO ₃ mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC g m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ | SO ₄ g m ⁻³ |
|------|------------|------|---------------------------------|-----------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------------------|---------------------------------------|---------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------------------|--------------------------------------|
| YE1 | 1 | 8.00 | 118 | 17.7 | 9.1 | 0.40 | 0.10 | 0.67 | 0.8 | 1.4 | 1.3 | 3.5 | 2.9 | 4.6 | 53 | 3.7 | 9.9 | 70.4 | 0.83 | 156.5 | 14.4 | 7.7 |
| YE2 | 10 | 7.99 | 119 | 17.7 | 9.1 | 0.49 | 0.12 | 1.04 | 0.9 | 1.4 | 1.8 | 4.1 | 1.9 | 2.5 | 52 | 4.6 | 13.7 | 70.1 | 0.78 | 179.5 | 16.0 | 8.1 |
| YE3 | 20 | 8.00 | 119 | 17.7 | 9.1 | 0.32 | 0.32 | 1.07 | 0.7 | 1.5 | 1.7 | 3.9 | 2.4 | 1.5 | 48 | 3.7 | 12.6 | 64.5 | 0.71 | 162.5 | 15.2 | 8.5 |
| YE4 | 30 | 7.99 | 120 | 17.5 | 9.1 | 0.30 | 0.20 | 1.06 | 0.7 | 1.7 | 1.6 | 4.0 | 2.0 | 1.2 | 48 | 3.7 | 12.7 | 63.9 | 0.78 | 138.5 | 14.5 | 8.0 |
| YE5 | 40 | 7.60 | 120 | 13.7 | 9.3 | 0.13 | 0.13 | 1.18 | 1.2 | 1.0 | 1.2 | 3.4 | 2.0 | 3.1 | 39 | 4.2 | 8.2 | 52.3 | 0.69 | 112.5 | 8.2 | 7.7 |
| YE6 | 50 | 7.50 | 120 | 11.5 | 9.3 | 0.34 | 0.00 | 0.75 | 2.4 | 0.9 | 0.9 | 4.2 | 2.5 | 4.5 | 52 | 3.2 | 6.5 | 65.5 | 0.65 | 88.0 | 6.7 | 7.8 |
| YE7 | 60 | 7.38 | 120 | 11.0 | 9.3 | 0.11 | 0.00 | 0.49 | 3.0 | 0.7 | 0.8 | 4.5 | 1.5 | 11.7 | 32 | 3.2 | 5.3 | 50.5 | 0.72 | 74.5 | 5.8 | 7.7 |
| YE8 | 70 | 7.32 | 121 | 10.8 | 9.2 | 0.20 | 0.00 | 0.33 | 3.1 | 0.9 | 0.6 | 4.6 | 1.0 | 17.7 | 38 | 3.7 | 4.0 | 60.7 | 0.78 | 57.5 | 4.1 | 7.9 |
| YE9 | 80 | 7.23 | 120 | 10.6 | 9.1 | 0.24 | 0.24 | 0.24 | 3.5 | 0.6 | 0.8 | 4.9 | 1.4 | 23.1 | 43 | 6.9 | 5.7 | 73.2 | 0.69 | 49.5 | 4.5 | 7.9 |
| YE10 | 90 | 7.27 | 121 | 10.6 | 9.1 | 0.31 | 0.21 | 0.17 | 4.4 | 0.6 | 0.7 | 5.7 | 1.3 | 24.1 | 41 | 6.5 | 5.6 | 72.0 | 0.68 | 47.5 | 4.9 | 7.9 |
| YE11 | 100 | 7.29 | 121 | 10.6 | 9.0 | 0.32 | 0.11 | 0.16 | 4.5 | 0.7 | 0.8 | 6.0 | 1.0 | 24.5 | 39 | 3.7 | 6.8 | 71.3 | 0.57 | 58.0 | 7.4 | 7.8 |
| YE12 | 110 | 7.29 | 121 | 10.5 | 8.9 | 0.35 | 0.35 | 0.12 | 4.8 | 0.7 | 0.5 | 6.0 | 1.3 | 25.1 | 40 | 5.5 | 6.5 | 72.9 | 0.63 | 52.5 | 2.6 | 7.8 |
| YE13 | 120 | 7.35 | 121 | 10.5 | 8.9 | 0.24 | 0.08 | 0.37 | 3.4 | 0.6 | 1.2 | 5.2 | 1.0 | 18.9 | 35 | 4.6 | 4.1 | 59.0 | 0.75 | 63.5 | 3.8 | 7.7 |
| YE14 | 130 | 7.24 | 122 | 10.5 | 8.8 | 0.32 | 0.16 | 0.11 | 5.7 | 0.6 | 0.7 | 7.0 | 1.0 | 27.0 | 39 | 6.0 | 3.5 | 70.5 | 0.63 | 52.0 | 3.9 | 7.9 |
| YE15 | 140 | 7.21 | 122 | 10.5 | 8.6 | 0.45 | 0.05 | 0.15 | 6.4 | 0.6 | 1.0 | 8.0 | 4.2 | 29.1 | 65 | 10.6 | 6.7 | 105.0 | 0.74 | 60.5 | 5.9 | 7.8 |
| YE16 | 150 | 7.49 | 121 | 10.5 | 8.4 | 0.80 | 0.15 | 0.62 | 3.3 | 1.1 | 1.6 | 6.0 | 2.5 | 13.0 | 62 | 9.7 | 14.2 | 91.7 | 0.70 | 135.5 | 13.6 | 7.9 |

NH₄, NO₃, DON, Urea all as N

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

* = PN by wet digestion method, ** = PN by combustion furnace method.

Lake Taupo biannual nutrient database

Collection Date 24 October 1996

| 1996-1997 | | | | | | | | | | | | | | | | | | | | | | Started 27 October 1994 | | | |
|-----------------------|-------|----|---------------------|------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|-------------------------|--|--|--|
| Secchi depth = 12.6 m | | | | | | | | | | | | | | | | | | | | | | | | | |
| ID | Depth | pH | EC @25°C | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ | NO ₃ | DON | UREA | PN* | TN | DOC | PC | PN** | SO4 | | | |
| | m | | µS cm ⁻¹ | C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | g m ⁻³ | | | |
| IG1 | 1 | | | 12.4 | 10.3 | 0.45 | 0.34 | 0.27 | 0.6 | 2.1 | 1.7 | 4.4 | 3.0 | 0.5 | 59.3 | 1.4 | 13.9 | 76.7 | 0.86 | 171 | 14.5 | 7.82 | | | |
| IG2 | 10 | | | 12.3 | 10.3 | 0.72 | 0.42 | 0.47 | 0.7 | 2.3 | 2.2 | 5.2 | 2.4 | 0.4 | 64.5 | 1.0 | 14.5 | 81.8 | 0.88 | 201 | 16.8 | 7.90 | | | |
| IG3 | 20 | | | 12.3 | 10.2 | 0.67 | 0.40 | 0.45 | 0.8 | 2.8 | 2.9 | 6.5 | 2.6 | 0.4 | 75.8 | 0.6 | 18.7 | 97.5 | 0.91 | 232 | 19.8 | 7.87 | | | |
| IG4 | 30 | | | 12.3 | 9.9 | 0.85 | 0.49 | 0.64 | 0.6 | 2.3 | 3.1 | 6.0 | 3.3 | 0.5 | 73.6 | 0.4 | 20.6 | 98.0 | 0.95 | 198 | 15.7 | 7.86 | | | |
| IG5 | 40 | | | 11.9 | 9.9 | 0.71 | 0.46 | 0.56 | 0.5 | 1.8 | 2.5 | 4.8 | 2.6 | 1.2 | 64.8 | 0.3 | 14.6 | 83.2 | 0.80 | 183 | 12.8 | 7.84 | | | |
| IG6 | 50 | | | 11.6 | 9.8 | 0.62 | 0.34 | 0.45 | 1.1 | 3.1 | 2.1 | 6.3 | 2.9 | 0.6 | 71.2 | 0.9 | 13.2 | 87.9 | 0.92 | 157 | 14.9 | 7.95 | | | |
| IG7 | 60 | | | 11.1 | 9.7 | 0.77 | 0.32 | 0.70 | 0.9 | 1.8 | 2.3 | 5.0 | 4.4 | 13.2 | 175.4 | 3.5 | 14.3 | 207.3 | 1.29 | 151 | 14.1 | 10.67 | | | |
| IG8 | 70 | | | 10.6 | 9.4 | 0.65 | 0.28 | 0.54 | 0.8 | 1.5 | 1.9 | 4.2 | 2.9 | 0.8 | 59.3 | 1.5 | 9.2 | 72.2 | 0.78 | 116 | 10.2 | 7.85 | | | |
| IG9 | 80 | | | 10.5 | 9.3 | 0.51 | 0.27 | 0.55 | 0.9 | 2.5 | 1.8 | 5.2 | 3.0 | 3.0 | 76.1 | 1.3 | 9.8 | 91.9 | 0.95 | 103 | 10.8 | 7.80 | | | |
| IG10 | 90 | | | 10.4 | 9.3 | 0.49 | 0.23 | 0.50 | 0.6 | 1.8 | 1.8 | 4.2 | 2.1 | 1.0 | 52.3 | 1.4 | 10.9 | 66.3 | 0.73 | 95 | 11.0 | 7.69 | | | |
| IG11 | 100 | | | 10.4 | 9.2 | 0.50 | 0.21 | 0.51 | 0.5 | 1.5 | 1.8 | 3.8 | 1.8 | 3.6 | 53.9 | 4.5 | 9.6 | 68.9 | 1.04 | 106 | 12.8 | 7.85 | | | |
| IG12 | 110 | | | 10.4 | 9.2 | 0.43 | 0.23 | 0.49 | 0.4 | 1.3 | 2.0 | 3.7 | 2.5 | 5.2 | 54.0 | 6.0 | 9.3 | 71.0 | 0.80 | 94 | 11.5 | 7.85 | | | |
| IG13 | 120 | | | 10.4 | 9.0 | 0.47 | 0.21 | 0.47 | 0.8 | 1.4 | 1.8 | 4.0 | 3.7 | 9.6 | 61.9 | 6.9 | 8.0 | 83.2 | 0.78 | 78 | 9.7 | 7.97 | | | |
| IG14 | 130 | | | 10.3 | 8.9 | 0.44 | 0.18 | 0.38 | 1.1 | 1.5 | 2.3 | 4.9 | 4.5 | 9.7 | 52.4 | 4.6 | 12.0 | 78.6 | 1.00 | 83 | 8.7 | 7.99 | | | |
| IG15 | 140 | | | 10.3 | 8.9 | 0.49 | 0.22 | 0.51 | 1.5 | 1.6 | 2.5 | 5.6 | 4.3 | 12.9 | 57.8 | 5.0 | 10.4 | 85.4 | 0.99 | 80 | 8.9 | 8.14 | | | |
| IG16 | 150 | | | 10.3 | 8.9 | 1.13 | 0.26 | 0.57 | 1.2 | 2.3 | 3.5 | 7.0 | 5.1 | 13.6 | 65.9 | 4.8 | 14.5 | 99.1 | 0.91 | 121 | 13.4 | 8.15 | | | |

Collection Date:- 2 April 1997

| 1996-1997 | | | | | | | | | | | | | | | | | | | | | | Started 27 October 1994 | | | |
|-----------------------|-------|------|---------------------|------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|-------------------------|--|--|--|
| Secchi depth = 16.0 m | | | | | | | | | | | | | | | | | | | | | | | | | |
| ID | Depth | pH | EC @25°C | Temp | DO | SS | VSS | Chlor_a | DRP | DOP | PP | TP | NH ₄ | NO ₃ | DON | UREA | PN* | TN | DOC | PC | PN** | SO4 | | | |
| | m | | µS cm ⁻¹ | C | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | g m ⁻³ | | | |
| NA1 | 1 | 8.02 | 118.4 | 17.3 | 9.4 | 0.30 | 0.30 | 0.63 | 0.9 | 2.2 | 1.5 | 4.6 | 4.0 | 0.6 | 67.4 | 4.9 | 18.1 | 90.1 | 0.82 | 186.5 | 17.3 | 7.80 | | | |
| NA2 | 10 | 8.01 | 118.3 | 17.3 | 9.2 | 0.20 | 0.10 | 0.69 | 0.9 | 1.3 | 1.6 | 3.8 | 1.7 | 0.3 | 51.0 | 3.3 | 14.4 | 67.4 | 0.77 | 190.0 | 17.1 | 7.86 | | | |
| NA3 | 20 | 8.03 | 118.2 | 17.2 | 8.9 | 0.40 | 0.30 | 0.63 | 0.6 | 1.2 | 1.6 | 3.4 | 1.8 | 0.3 | 51.8 | 2.2 | 17.6 | 71.5 | 0.75 | 192.0 | 19.1 | 7.85 | | | |
| NA4 | 30 | 7.98 | 118.4 | 17.2 | 8.8 | 0.40 | 0.40 | 0.52 | 0.7 | 1.0 | 1.5 | 3.2 | 2.5 | 0.6 | 47.5 | 2.7 | 15.2 | 65.8 | 0.56 | 207.5 | 20.3 | 7.90 | | | |
| NA5 | 40 | 7.52 | 118.5 | 14.2 | 8.8 | 0.20 | 0.20 | 0.72 | 0.8 | 1.8 | 1.4 | 4.0 | 2.7 | 0.3 | 53.2 | 4.1 | 13.3 | 69.5 | 0.69 | 158.0 | 15.2 | 7.91 | | | |
| NA6 | 50 | 7.32 | 119.3 | 11.3 | 8.6 | 0.00 | 0.00 | 0.39 | 1.5 | 1.4 | 1.0 | 3.9 | 11.2 | 3.1 | 54.7 | 4.5 | 9.7 | 78.7 | 0.62 | 116.5 | 10.6 | 7.88 | | | |
| NA7 | 60 | 7.18 | 120.2 | 10.9 | 8.6 | 0.20 | 0.20 | 0.16 | 1.7 | 1.3 | 0.8 | 3.8 | 3.7 | 10.1 | 48.9 | 2.1 | 10.5 | 73.2 | 0.86 | 100.0 | 13.8 | 7.88 | | | |
| NA8 | 70 | 7.13 | 119.6 | 10.6 | 8.5 | 0.10 | 0.10 | 0.12 | 1.9 | 1.7 | 0.8 | 4.4 | 4.3 | 11.8 | 58.3 | 2.2 | 8.0 | 82.4 | 0.83 | 75.0 | 8.7 | 7.87 | | | |
| NA9 | 80 | 7.12 | 120.1 | 10.5 | 8.5 | 0.10 | 0.10 | 0.05 | 3.3 | 1.4 | 0.7 | 5.4 | 6.9 | 26.9 | 82.4 | 16.9 | 6.7 | 122.9 | 0.98 | 77.5 | 9.9 | 7.90 | | | |
| NA10 | 90 | 7.12 | 120.4 | 10.5 | 8.5 | 0.00 | 0.00 | 0.25 | 3.6 | 2.2 | 0.7 | 6.5 | 28.9 | 22.9 | 108.3 | 7.4 | 8.1 | 168.2 | 0.63 | 110.5 | 8.8 | 8.00 | | | |
| NA11 | 100 | 7.10 | 120.4 | 10.5 | 8.4 | 0.20 | 0.20 | 0.04 | 4.4 | 1.2 | 0.8 | 6.4 | 10.7 | 22.5 | 72.0 | 5.2 | 7.1 | 112.3 | 0.85 | 71.0 | 8.3 | 7.97 | | | |
| NA12 | 110 | 7.07 | 120.6 | 10.4 | 8.3 | 0.20 | 0.20 | 0.02 | 3.7 | 2.0 | 0.8 | 6.5 | 2.9 | 21.9 | 52.5 | 3.8 | 6.4 | 83.7 | 1.01 | 77.0 | 9.6 | 7.93 | | | |
| NA13 | 120 | 7.07 | 120.5 | 10.4 | 8.2 | 0.30 | 0.20 | 0.02 | 3.3 | 2.4 | 0.8 | 6.5 | 6.4 | 22.8 | 56.4 | 4.2 | 13.0 | 98.6 | 0.70 | 113.5 | 15.4 | 7.88 | | | |
| NA14 | 130 | 7.08 | 120.4 | 10.4 | 8.0 | 0.20 | 0.20 | 0.01 | 4.3 | 1.6 | 0.8 | 6.7 | 6.2 | 27.9 | 56.7 | 6.2 | 8.2 | 99.0 | 0.81 | 118.5 | 11.0 | 7.97 | | | |
| NA15 | 140 | 7.10 | 121.1 | 10.4 | 7.6 | 0.40 | 0.40 | 0.04 | 4.5 | 1.7 | 1.2 | 7.4 | 3.9 | 28.9 | 58.5 | 7.9 | 24.7 | 116.0 | 0.80 | 212.5 | 28.8 | 7.91 | | | |
| NA16 | 150 | 7.10 | 122.1 | 10.4 | 7.5 | 1.20 | 0.40 | 0.07 | 5.0 | 1.0 | 2.7 | 8.7 | 8.6 | 29.0 | 61.5 | 11.8 | 20.2 | 119.3 | 2.07 | 234.5 | 22.1 | 7.97 | | | |

NH₄, NO₃, DON, Urea all as N

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

* = analysed by wet digestion method, ** = analysed by CHN combustion furnace method.

Lake Taupo biannual nutrient database

1995-1996

Collection Date:- 30 October 1995

Secchi depth = 13.0 m

| ID | Depth | pH | EC @25°C | Temp | DO | BOD ₅ | SS | VSS | Chlor _a | DRP | DOP | PP | TP | NH ₄ | NO ₃ | DON | UREA | PN* | TN | DOC | PC | PN** |
|------|-------|------|---------------------|------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|
| | m | | µS cm ⁻¹ | C | g m ⁻³ | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| ZH1 | 1 | 7.40 | 115.1 | 13.7 | 10.3 | 0.80 | 0.60 | 0.38 | 0.45 | <0.2 | 2.4 | 1.27 | 3.67 | <0.2 | <0.1 | 55.7 | 3 | 6.89 | 62.69 | 0.75 | 123 | 10.3 |
| ZH2 | 10 | 7.59 | 116.1 | 11.9 | 10.5 | 0.40 | 0.95 | 0.53 | 0.96 | <0.2 | 0.8 | 1.94 | 2.74 | <0.2 | <0.1 | 48.0 | 3 | 14.69 | 62.69 | 0.61 | 217 | 18.0 |
| ZH3 | 20 | 7.39 | 117.8 | 11.4 | 10.6 | -0.05 | 1.09 | 0.59 | 1.18 | 0.3 | 1.5 | 2.41 | 4.21 | 0.2 | <0.1 | 51.5 | 4 | 19.47 | 71.17 | 0.58 | 285 | 22.3 |
| ZH4 | 30 | 7.58 | 116.6 | 11.2 | 10.7 | -0.15 | 1.15 | 0.58 | 1.26 | 0.2 | 0.7 | 2.21 | 3.11 | <0.2 | <0.1 | 44.6 | 2 | 17.83 | 62.43 | 0.45 | 242 | 19.4 |
| ZH5 | 40 | 7.48 | 116.2 | 10.9 | 10.7 | 0.00 | 0.91 | 0.57 | 1.22 | <0.2 | 1.1 | 1.88 | 2.98 | <0.2 | <0.1 | 41.9 | 2 | 13.00 | 54.90 | 0.44 | 183 | 15.8 |
| ZH6 | 50 | 7.36 | 117.0 | 10.8 | 10.3 | 0.25 | 0.69 | 0.42 | 1.10 | <0.2 | 0.8 | 1.71 | 2.51 | <0.2 | <0.1 | 41.7 | 3 | 8.55 | 50.25 | 0.43 | 116 | 10.3 |
| ZH7 | 60 | 7.28 | 117.2 | 10.7 | 10.3 | 0.70 | 0.49 | 0.28 | 1.03 | <0.2 | 0.8 | 1.55 | 2.35 | <0.2 | 0.1 | 41.1 | 3 | 7.75 | 48.95 | 0.40 | 110 | 10.3 |
| ZH8 | 70 | 7.25 | 117.8 | 10.5 | 10.2 | 0.50 | 0.64 | 0.43 | 1.03 | <0.2 | 0.6 | 1.50 | 2.10 | <0.2 | 0.2 | 40.4 | 2 | 7.27 | 47.87 | 0.38 | 108 | 9.9 |
| ZH9 | 80 | 7.25 | 117.5 | 10.5 | 10.2 | 0.40 | 0.72 | 0.43 | 1.19 | <0.2 | 0.8 | 1.58 | 2.38 | <0.2 | 0.7 | 41.4 | 2 | 7.19 | 49.39 | 0.48 | 115 | 12.1 |
| ZH10 | 90 | 7.30 | 118.0 | 10.5 | 10.1 | 0.00 | 0.72 | 0.40 | 1.27 | 0.3 | 0.6 | 1.59 | 2.49 | <0.2 | 1.5 | 38.5 | 3 | 7.30 | 47.30 | 0.47 | 101 | 12.1 |
| ZH11 | 100 | 7.25 | 117.5 | 10.5 | 10.0 | 0.15 | 0.71 | 0.39 | 1.30 | <0.2 | 0.2 | 1.77 | 1.97 | <0.2 | 2.4 | 36.4 | 3 | 10.67 | 49.47 | 0.49 | 107 | 12.5 |
| ZH12 | 110 | 7.25 | 117.5 | 10.5 | 9.9 | 0.35 | 0.71 | 0.38 | 1.32 | <0.2 | 0.9 | 1.69 | 2.59 | 0.5 | 4.6 | 44.3 | 3 | 10.26 | 59.66 | 0.52 | 93 | 13.1 |
| ZH13 | 120 | 7.23 | 117.3 | 10.5 | 9.9 | 0.30 | 0.70 | 0.41 | 1.35 | <0.2 | 1.3 | 1.55 | 2.85 | 0.5 | 5.6 | 51.3 | 9 | 7.99 | 65.39 | 0.51 | 99 | 12.9 |
| ZH14 | 130 | 7.25 | 117.3 | 10.5 | 9.8 | 0.20 | 0.69 | 0.47 | 1.32 | <0.2 | 0.4 | 1.89 | 2.29 | 1.3 | 6.6 | 49.7 | 7 | 13.42 | 71.02 | 0.55 | 112 | 18.5 |
| ZH15 | 140 | 7.25 | 117.3 | 10.5 | 9.6 | 0.40 | 0.97 | 0.47 | 1.60 | <0.2 | 0.2 | 2.54 | 2.74 | 5.7 | 11.7 | 60.6 | 9 | 11.77 | 89.77 | 0.57 | 113 | 15.8 |
| ZH16 | 150 | 7.25 | 117.5 | 10.5 | 9.2 | 0.40 | 1.77 | 0.91 | 1.77 | 0.7 | 0.4 | 3.05 | 4.15 | 8.3 | 13.2 | 90.9 | 15 | 48.30 | 160.70 | 0.69 | 357 | 55.1 |

Collection Date:- 28 March 1996

Secchi depth = 14.6 m

| ID | Depth | pH | EC @25°C | Temp | DO | BOD ₅ | SS | VSS | Chlor _a | DRP | DOP | PP | TP | NH ₄ | NO ₃ | DON | UREA | PN* | TN | DOC | PC | PN** |
|------|-------|------|---------------------|------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|
| | m | | µS cm ⁻¹ | C | g m ⁻³ | g m ⁻³ | g m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | mg m ⁻³ | g m ⁻³ | mg m ⁻³ | mg m ⁻³ |
| DR1 | 1 | 8.02 | 117.4 | 16.8 | 8.7 | 0.15 | 0.31 | 0.18 | 0.48 | 1.3 | 1.8 | 0.93 | 4.03 | <0.2 | 4.7 | 91.0 | 1.4 | 12.69 | 108.39 | 0.35 | 118 | 9.7 |
| DR2 | 10 | 8.02 | 117.4 | 16.7 | 8.7 | 0.20 | 0.44 | 0.25 | 0.81 | 1.3 | 1.5 | 1.43 | 4.23 | <0.2 | 7.4 | 111.0 | 6.2 | 12.60 | 131.00 | 0.42 | 149 | 12.3 |
| DR3 | 20 | 7.95 | 117.6 | 16.6 | 8.8 | 0.25 | 0.34 | 0.23 | 0.76 | 1.0 | 1.8 | 1.30 | 4.10 | 0.6 | <0.1 | 60.0 | 2.0 | 11.70 | 72.30 | 0.35 | 126 | 11.7 |
| DR4 | 30 | 7.59 | 119.0 | 13.7 | 9.0 | 0.25 | 0.39 | 0.15 | 1.13 | 1.5 | 1.7 | 1.51 | 4.71 | 0.5 | 0.2 | 64.0 | 2.0 | 11.72 | 76.42 | 0.26 | 101 | 12.8 |
| DR5 | 40 | 7.43 | 118.9 | 12.4 | 8.8 | 0.25 | 0.35 | 0.16 | 0.97 | 1.3 | 1.4 | 1.41 | 4.11 | 1.1 | <0.1 | 51.0 | 2.2 | 11.77 | 63.87 | 0.22 | 68 | 8.6 |
| DR6 | 50 | 7.34 | 119.5 | 11.6 | 8.6 | 0.10 | 0.32 | 0.14 | 0.71 | 1.8 | 1.5 | 1.17 | 4.47 | 0.8 | 5.0 | 68.0 | 3.5 | 8.76 | 82.56 | 0.18 | 60 | 6.4 |
| DR7 | 60 | 7.32 | 119.4 | 11.4 | 8.5 | 0.25 | 0.27 | 0.10 | 0.48 | 2.2 | 1.0 | 1.06 | 4.26 | 1.8 | 5.9 | 59.0 | 1.8 | 8.32 | 75.02 | 0.17 | 46 | 5.7 |
| FR8 | 70 | 7.29 | 120.4 | 11.6 | 8.5 | 0.25 | 0.23 | 0.13 | 0.28 | 2.3 | 1.5 | 0.80 | 4.60 | <0.2 | 14.1 | 87.0 | 3.4 | 6.65 | 107.75 | 0.26 | 48 | 6.4 |
| DR9 | 80 | 7.20 | 120.8 | 11.2 | 8.3 | 0.20 | 0.30 | 0.14 | 0.17 | 2.9 | 1.3 | 0.83 | 5.03 | 1.5 | 10.0 | 68.0 | 1.4 | 5.15 | 84.65 | 0.23 | 45 | 5.5 |
| DR10 | 90 | 7.20 | 121.2 | 11.3 | 8.2 | 0.20 | 0.39 | 0.14 | 0.12 | 2.7 | 2.1 | 0.89 | 5.69 | 2.5 | 11.5 | 55.0 | 1.4 | 5.34 | 74.34 | 0.17 | 51 | 6.7 |
| DR11 | 100 | 7.24 | 121.3 | 10.9 | 8.2 | 0.05 | 0.45 | 0.19 | 0.10 | 2.8 | 1.8 | 0.93 | 5.53 | 2.2 | 11.4 | 72.0 | 8.1 | 9.25 | 94.85 | 0.22 | 46 | 6.9 |
| DR12 | 110 | 7.32 | 122.1 | 10.8 | 8.1 | 0.25 | 0.25 | 0.15 | 0.08 | 2.7 | 1.8 | 0.88 | 5.38 | 1.0 | 11.5 | 68.0 | 1.6 | 5.86 | 86.36 | 0.23 | 52 | 8.1 |
| DR13 | 120 | 7.39 | 120.2 | 10.7 | 8.3 | 0.15 | 0.24 | 0.11 | 0.09 | 2.8 | 1.2 | 0.74 | 4.74 | 2.2 | 11.2 | 75.0 | 3.8 | 3.91 | 92.31 | 0.26 | 34 | 5.3 |
| DR14 | 130 | 7.47 | 120.3 | 10.7 | 8.3 | 0.25 | 0.31 | 0.15 | 0.08 | 3.1 | 1.5 | 0.70 | 5.30 | 1.5 | 12.4 | 70.0 | 2.5 | 3.43 | 87.33 | 0.27 | 45 | 3.8 |
| DR15 | 140 | 7.43 | 121.1 | 10.7 | 8.0 | 0.15 | 0.33 | 0.15 | 0.08 | 4.6 | 1.4 | 0.96 | 6.96 | 2.9 | 16.0 | 88.0 | 5.7 | 4.28 | 111.18 | 0.26 | 51 | 7.4 |
| DR16 | 150 | 7.52 | 120.1 | 10.6 | 7.8 | 0.75 | 0.75 | 0.63 | 0.07 | 4.7 | 1.5 | 2.13 | 8.33 | 3.2 | 15.9 | 140.0 | 32.4 | 69.74 | 228.84 | 0.52 | 349 | 70.7 |

NH₄, NO₃, DON, UREA all as N

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

* = analysed by wet digest method, ** = analysed by CHN combustion furnace method.

Lake Taupo biannual nutrient database

1994-1995

Collection date: - 27 October 1994

Secchi Depth = 11.7 m

| ID | Depth m | Temp C | DO g m ⁻³ | BOD ₅ g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor _a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ mg m ⁻³ | NO ₃ mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC g m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ | LEAD mg m ⁻³ |
|------|------------|-----------|-------------------------|---------------------------------------|-------------------------|--------------------------|--|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------------------|---------------------------------------|---------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------------------|----------------------------|
| MM1 | 1 | 11.7 | 10.5 | 0.30 | 0.93 | 0.55 | 1.16 | 1.6 | 0.7 | 2.5 | 4.8 | 1.1 | 0.2 | 61 | 0.1 | 16.6 | 78.9 | 0.67 | 193.3 | 20.3 | 0.22 |
| MM2 | 10 | 11.5 | 10.6 | 0.35 | 0.86 | 0.49 | 0.97 | 1.5 | 0.4 | 2.5 | 4.4 | 2.2 | 0.1 | 50 | <0.1 | 15.2 | 67.5 | 0.42 | 203.8 | 19.0 | |
| MM3 | 20 | 11.5 | 10.8 | 0.70 | 0.87 | 0.58 | 0.92 | 1.2 | 1.1 | 2.8 | 5.1 | 5.1 | <0.1 | 49 | 0.2 | 17.4 | 71.5 | 0.40 | 254.5 | 19.6 | |
| MM4 | 30 | 11.3 | 10.7 | 0.30 | 0.86 | 0.54 | 0.99 | 1.2 | 0.0 | 2.3 | 3.5 | <0.4 | 2.5 | 88 | 8.3 | 13.7 | 104.2 | 0.64 | 199.1 | 18.9 | |
| MM5 | 40 | 10.9 | 10.5 | 0.05 | 0.83 | 0.49 | 0.97 | 1.0 | 1.4 | 2.1 | 4.5 | 0.4 | <0.1 | 49 | 1.6 | 12.4 | 61.8 | 0.55 | 193.7 | 17.5 | |
| MM6 | 50 | 10.9 | 10.4 | 0.15 | 0.85 | 0.48 | 0.83 | 1.0 | 0.9 | 2.2 | 4.1 | <0.4 | 1.1 | 70 | 6.4 | 14.9 | 86.0 | 0.37 | 182.0 | 16.6 | |
| MM7 | 60 | 10.8 | 10.4 | 0.00 | 1.04 | 0.53 | 0.88 | 1.1 | 0.9 | 2.1 | 4.1 | <0.4 | <0.1 | 47 | 1.0 | 13.6 | 60.6 | 0.46 | 184.6 | 20.0 | |
| MM8 | 70 | 10.7 | 10.4 | 0.10 | 1.23 | 0.54 | 1.18 | 1.1 | 1.2 | 2.3 | 4.6 | 2.6 | 0.4 | 57 | 1.6 | 14.7 | 74.7 | 0.96 | 198.7 | 23.0 | |
| MM9 | 80 | 10.6 | 10.4 | 0.35 | 1.07 | 0.45 | 1.37 | 1.0 | 1.4 | 2.4 | 4.8 | 1.2 | 0.1 | 47 | 1.0 | 15.3 | 63.6 | 0.51 | 154.4 | 22.6 | |
| MM10 | 90 | 10.5 | 10.4 | 0.10 | 1.24 | 0.48 | 1.79 | 1.0 | 1.1 | 1.9 | 4.0 | 1.5 | <0.1 | 43 | 1.3 | 15.6 | 60.1 | 0.48 | 152.0 | 22.0 | |
| MM11 | 100 | 10.5 | 10.2 | 0.10 | 1.22 | 0.49 | 1.76 | 1.2 | 1.0 | 2.5 | 4.7 | 1.5 | 0.4 | 58 | 1.8 | 17.9 | 77.8 | 1.21 | 183.7 | 33.9 | |
| MM12 | 110 | 10.5 | 10.3 | 0.45 | 1.15 | 0.48 | 1.78 | 1.4 | 0.4 | 3.0 | 4.8 | 1.4 | 0.4 | 52 | 1.9 | 16.8 | 70.6 | 0.65 | 105.8 | 28.4 | |
| MM13 | 120 | 10.4 | 10.2 | 0.00 | 0.96 | 0.41 | 1.94 | 1.1 | 0.7 | 2.8 | 4.6 | <0.4 | 0.6 | 61 | 1.6 | 16.7 | 78.4 | 1.00 | 106.7 | 29.8 | |
| MM14 | 130 | 10.4 | 9.8 | 0.00 | 1.07 | 0.41 | 2.37 | 1.0 | 1.2 | 2.6 | 4.8 | 6.8 | 0.9 | 73 | 5.5 | 20.8 | 101.5 | 0.53 | 157.6 | 23.7 | |
| MM15 | 140 | 10.4 | 9.8 | 0.00 | 1.63 | 0.57 | 2.32 | 1.1 | 1.1 | 2.3 | 4.5 | 3.7 | 0.9 | 61 | 1.9 | 20.6 | 86.2 | 0.44 | 176.0 | 19.2 | 0.36 |
| MM16 | 150 | 10.3 | 9.9 | 0.25 | 1.73 | 0.75 | 2.49 | 1.8 | 0.8 | 2.3 | 4.9 | 4.2 | 1.9 | 60 | 12.1 | 39.6 | 105.7 | 0.57 | 303.6 | 44.0 | 1.09 |

MM17 Tube

0.99 0.53 0.84 1.3 1.0 2.0 4.3 0.5 0.2 39 3.1 15.9 55.6 0.53

Collection date: - 19 April 1995

Secchi Depth = 16.1 m

| ID | Depth m | Temp C | DO g m ⁻³ | BOD ₅ g m ⁻³ | SS g m ⁻³ | VSS g m ⁻³ | Chlor _a mg m ⁻³ | DRP mg m ⁻³ | DOP mg m ⁻³ | PP mg m ⁻³ | TP mg m ⁻³ | NH ₄ mg m ⁻³ | NO ₃ mg m ⁻³ | DON mg m ⁻³ | UREA mg m ⁻³ | PN* mg m ⁻³ | TN mg m ⁻³ | DOC g m ⁻³ | PC mg m ⁻³ | PN** mg m ⁻³ | LEAD mg m ⁻³ |
|------|------------|-----------|-------------------------|---------------------------------------|-------------------------|--------------------------|--|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------------------|---------------------------------------|---------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|----------------------------|----------------------------|
| SZ1 | 1 | 18.4 | 9.2 | 0.10 | 0.22 | 0.22 | 0.95 | 3.3 | 1.7 | 1.3 | 6.3 | 3.6 | 0.9 | 83 | 7.7 | 14.6 | 102.1 | 0.70 | 160.5 | 16.8 | <0.5 |
| SZ2 | 10 | 18.2 | 9.3 | 0.15 | 0.28 | 0.28 | 0.89 | 2.2 | 1.2 | 1.5 | 4.9 | 2.0 | 0.8 | 59 | 6.5 | 13.5 | 75.3 | 0.68 | 189.0 | 18.1 | <0.5 |
| SZ3 | 20 | 18.2 | 9.2 | 0.25 | 0.24 | 0.24 | 0.80 | 1.3 | 0.0 | 1.4 | 2.7 | 1.0 | 1.0 | 56 | 4.5 | 10.7 | 68.7 | 0.60 | 153.5 | 14.5 | |
| SZ4 | 30 | 16.5 | 9.3 | 0.50 | 0.26 | 0.26 | 1.35 | 1.3 | 1.0 | 1.6 | 3.9 | 1.2 | 0.7 | 55 | 8.4 | 13.4 | 70.3 | 0.60 | 151.5 | 14.7 | <0.5 |
| SZ5 | 40 | 12.5 | 9.7 | 0.45 | 0.16 | 0.16 | 0.98 | 1.1 | 0.2 | 1.2 | 2.5 | 2.0 | 1.0 | 47 | 4.4 | 8.0 | 58.0 | 0.60 | 111.0 | 8.6 | |
| SZ6 | 50 | 11.6 | 9.5 | 0.60 | 0.10 | 0.10 | 0.86 | 2.0 | 0.5 | 1.2 | 3.7 | 1.7 | 1.3 | 47 | 5.3 | 8.8 | 58.8 | 0.60 | 119.0 | 10.5 | |
| SZ7 | 60 | 11.1 | 9.5 | 0.30 | 0.07 | 0.07 | 0.73 | 1.0 | 1.1 | 1.2 | 3.3 | 0.5 | 5.4 | 40 | 5.3 | 7.0 | 52.9 | 0.50 | 83.8 | 9.0 | |
| SZ8 | 70 | 10.9 | 9.5 | 0.55 | 0.04 | 0.04 | 0.45 | 1.4 | 0.7 | 1.3 | 3.4 | 0.5 | 7.7 | 39 | 6.2 | 8.7 | 55.9 | 0.55 | 97.4 | 11.1 | |
| SZ9 | 80 | 10.8 | 9.0 | 0.40 | 0.10 | 0.10 | 0.35 | 1.6 | 0.0 | 1.0 | 2.6 | 0.5 | 11.3 | 36 | 3.2 | 6.1 | 53.9 | 0.53 | 75.5 | 8.2 | |
| SZ10 | 90 | 10.7 | 8.7 | 0.30 | 0.07 | 0.07 | 0.25 | 1.3 | 0.5 | 1.4 | 3.2 | 0.5 | 15.7 | 40 | 6.1 | 9.8 | 66.0 | 0.50 | 92.5 | 9.6 | |
| SZ11 | 100 | 10.7 | 8.6 | 0.75 | 0.01 | 0.01 | 0.23 | 2.8 | 0.1 | 0.8 | 3.7 | 0.4 | 18.4 | 37 | 6.3 | 8.2 | 64.0 | 0.60 | 68.7 | 6.3 | |
| SZ12 | 110 | 10.7 | 8.3 | 0.50 | 0.09 | 0.09 | 0.20 | 2.1 | 1.0 | 1.3 | 4.4 | 0.5 | 20.4 | 41 | 4.4 | 12.4 | 74.3 | 0.55 | 99.0 | 14.0 | |
| SZ13 | 120 | 10.7 | 8.2 | 0.40 | 0.05 | 0.05 | 0.16 | 2.5 | 0.0 | 0.9 | 3.4 | 0.5 | 22.0 | 37 | 3.5 | 4.8 | 64.3 | 0.50 | 62.1 | 4.5 | |
| SZ14 | 130 | 10.7 | 8.0 | 0.70 | 0.00 | 0.00 | 0.17 | 3.1 | 0.0 | 1.0 | 4.1 | 0.6 | 26.5 | 45 | 3.5 | 5.9 | 78.0 | 0.55 | 77.0 | 7.4 | |
| SZ15 | 140 | 10.6 | 7.8 | 1.00 | 0.28 | 0.25 | 0.17 | 4.1 | 0.0 | 1.7 | 5.8 | 0.5 | 30.7 | 44 | 3.6 | 11.2 | 86.4 | 0.60 | 133.5 | 12.4 | <0.5 |
| SZ16 | 150 | 10.6 | 7.5 | 2.05 | 49.47 | 5.58 | 64.05 | 38.9 | 1.4 | * | 40.3 | 1.7 | 40.9 | 48 | 11.4 | * | 90.6 | 0.75 | * | * | <0.5 |

Surficial sediment

* = Sediment contamination, sample not filtered for analysis.

NH₄, NO₃, DON, UREA all as N

Detection limits: DRP 0.5; NO₃-N 0.5; NH₄-N 1.0 mg m⁻³

* = analysed by wet digestion method, ** = analysed by CHN combustion furnace method.

Appendix 4 - Phytoplankton data

In this report phytoplankton abundance is reported in cell counts per ml and as biovolume (cubic microns per ml). Units of biomass are listed as “ μm^3 ” in the following tables. The units are actually $\mu\text{m}^3 \text{ mL}^{-1}$ (noting that $1 \times 10^6 \mu\text{m}^3 \text{ mL}^{-1} = 1 \text{ mm}^3 \text{ L}^{-1}$, the units used in the Ministry for the Environment’s guidelines for cyanobacteria in recreational waters). In the reporting system used until 2007 algal dominance (rank 1 = dominant to rank 10 = rare) was calculated from algal biovolume.

Cell counts may be reported as “0” despite a large biovolume where the algal species is large or colonial, e.g., *Botryococcus braunii*. As of 31/1/2019 *Botryococcus braunii* counts changed from colonies to cells/mL.

Name changes: The genus of planktonic species of *Anabaena* has changed to *Dolichospermum* as of August 2009.

From August 2008 phytoplankton data have been provided from a depth of 50m, which generally coincides with the deep chlorophyll *a* maxima in the lake. These samples were collected by van Dorn bottle and are placed in a separate table from the 10-m tube samples.

| Lake Taupo phytoplankton species composition and biovolume (µm ³) 2018-2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------|------|--|
| From Site A (Mid Lake) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10m tube | | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | | | | |
| Sample code | | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | CS1 | | | |
| Sampling date | | 5/07/2018 | 5/07/2018 | 25/07/2018 | 25/07/2018 | 11/09/2018 | 11/09/2018 | 16/10/2018 | 16/10/2018 | 31/10/2018 | 31/10/2018 | 20/11/2018 | 20/11/2018 | 10/12/2018 | 10/12/2018 | 8/01/2019 | 8/01/2019 | 31/01/2019 | 31/01/2019 | 20/02/2019 | 20/02/2019 | 4/04/2019 | 4/04/2019 | 2/05/2019 | 2/05/2019 | 26/06/2019 | 26/06/2019 | 26/06/2019 | 26/06/2019 | | | |
| | | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | | | |
| | | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | | | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Aphanizomenon sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Aphanocapsa sp. | 1.6 | 14.4 | 5.1 | 45.9 | 15.5 | 139.5 | 22.6 | 203.4 | 13.2 | 118.8 | 3.8 | 34.2 | 0.0 | 0.0 | 17.1 | 153.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Dolichospermum c.f lemmermannii (formerly Anabaena c.f lemmermannii) | 0.0 | 0.0 | 1.7 | 200.7 | 0.0 | 0.0 | 1.5 | 172.8 | 0.0 | 0.0 | 2.6 | 302.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 36.0 | 0.0 | 0.0 | 2.3 | 268.0 | 0.1 | 8.1 | 1.5 | 169.4 | | | | | |
| | Dolichospermum circinale | 0.6 | 129.8 | 0.8 | 160.7 | 0.2 | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 96.8 | 0.0 | 0.0 | 0.1 | 16.5 | 0.1 | 12.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Dolichospermum planctonicum | 0.5 | 75.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 59.2 | 0.0 | 0.0 | 0.2 | 33.6 | 1.6 | 249.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Dolichospermum sp. (formerly Anabaena sp.) | 0.4 | 159.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 179.6 | 0.3 | 131.7 | | | | | |
| | Microcystis sp. | 0.00 | 0.00 | 1.40 | 29.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Phormidium sp. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Pseudanabaena sp. | 0.82 | 15.58 | 0.25 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 7.22 | 0.00 | 0.00 | 0.20 | 3.80 | 0.00 | 0.00 | 0.16 | 3.04 | 0.12 | 2.28 | 0.07 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Woronichinia naegeliana | 2.40 | 48.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Botryococcus braunii (colonies), cells/mL starting 31/1/2019 | 1.0 | 2385192 | 1.0 | 573002 | 0.0 | 0.0 | 0.6 | 1562402 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.4 | 2223.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.7 | 4437 | |
| | Crucigeniella sp. | 1.1 | 71.4 | 4.4 | 285.5 | 1.2 | 76.1 | 1.2 | 76.1 | 4.7 | 304 | 3.5 | 228.2 | 1.2 | 76.1 | 0.0 | 0.0 | 4.7 | 304.2 | 1.2 | 76.1 | 2.3 | 152.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Dictyosphaerium sp. | 0.0 | 0.0 | 2.2 | 120.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Elakatothrix gelatinosa | 1.1 | 115.3 | 0.0 | 0.0 | 2.9 | 307 | 2.3 | 246 | 2.3 | 246 | 2.3 | 245.7 | 2.9 | 307.1 | 0.0 | 0.0 | 9.4 | 982.8 | 3.5 | 368.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 98.1 | | | | |
| | Chlamydocapsa planctonica | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 748.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Golenkinia sp. | | | | | | | | | | | | | | | | | 0.0 | 0.0 | 2.3 | 386.1 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | Lagerheimia sp. | 4.9 | 642 | 5.5 | 714 | 3.5 | 456 | 4.7 | 608 | 12.9 | 1673 | 4.7 | 608.4 | 7.0 | 912.6 | 0.6 | 76.1 | 0.6 | 76.1 | 0.6 | 76.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Monoraphidium sp. / Ankistrodesmus falcatus | 13.5 | 565 | 6.4 | 270.3 | 33.3 | 1400 | 24.6 | 1032 | 59.7 | 2506 | 41.0 | 1720 | 28.7 | 1204 | 7.0 | 295 | 17.6 | 737 | 23.4 | 982.8 | 25.7 | 1081.1 | 11.7 | 490.4 | 29.0 | 1216 | | | | | |
| | Nephrocystium lunatum | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 386 | 0.0 | 0.0 | 4.7 | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 772.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Oocystis sp. | 18.7 | 2651 | 11.0 | 1559 | 19.9 | 2824 | 17.6 | 2492 | 7.0 | 997 | 9.9 | 1412 | 10.5 | 1495 | 5.3 | 748 | 16.4 | 2326 | 0.0 | 0.0 | 0.6 | 83.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Scenedesmus sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 121.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Sphaerocystis schroeteri | 8.2 | 1647 | 4.4 | 878 | 0.0 | 0.0 | 7.0 | 1404 | 11.7 | 2340 | 9.4 | 1872.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 936.0 | 2.3 | 468.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Stichococcus contortus | 4.7 | 84.2 | 19.3 | 347 | 74.9 | 1348 | 1.2 | 21.1 | 11.7 | 210.6 | 11.7 | 210.6 | 2.3 | 42.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69.6 | 1252 | | | | |
| | Tetraedron gracile | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 514.8 | 0.0 | 0.0 | 7.6 | 836.6 | 1.2 | 128.7 | 0.6 | 64.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | unidentified Colonial green | 1.1 | 153.7 | 0.5 | 76.9 | 0.0 | 0.0 | 5.3 | 737.1 | 3.5 | 491 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 245.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 130.8 | | | | | |
| | Volvox aureus | 0.0 | 0.0 | 11.0 | 660 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 140.4 | 8424.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Asterionella formosa | 188.9 | 52880 | 122.4 | 34280 | 252.1 | 70598 | 92.4 | 25880 | 95.9 | 26863 | 7.0 | 1966 | 4.7 | 1310 | 3.5 | 983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 19.6 | 18.2 | 5100 | | | | | |
| | Aulacoseira granulata | 82.9 | 25699 | 67.5 | 20933 | 121.7 | 37721 | 56.7 | 17591 | 25.7 | 7979 | 10.5 | 3264 | 0.0 | 0.0 | 4.7 | 1451 | 8.8 | 2720 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39.2 | 12161 | | | | | |
| | Aulacoseira granulata var. angustissima | 0.3 | 65.0 | 0.4 | 104 | 21.6 | 5628 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 1335.6 | 6.5 | 1700 | | | | | | |
| | Cocconeis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 306.0 | 0.6 | 306.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 488.5 | | | | | |
| | Cyclotella sp. | 4.7 | 749 | 7.6 | 1217 | 8.2 | 1310 | 19.9 | 3182 | 7.0 | 1123 | 2.9 | 468.0 | 1.8 | 280.8 | 4.7 | 749 | 1.2 | 187.2 | 0.6 | 93.6 | 0.6 | 93.6 | 0.9 | 149.4 | 1.4 | 224.2 | | | | | |
| | Epithemia sp. | 0.6 | 219.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 438.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 219.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Fragilaria crottonensis | 55.6 | 19896 | 2.9 | 1047 | 7.0 | 2513 | 16.4 | 5864 | 22.2 | 7958 | 12.3 | 4398 | 0.0 | 0.0 | 1.2 | 419 | 7.0 | 2513 | 4.7 | 1675.4 | 0.0 | 0.0 | 0.6 | 200.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Fragilaria sp. | 0.0 | 0.0 | 4.1 | 1466 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.3 | 8694 | | | | | |
| | Lindavia sp. | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 1790 | 3.5 | 1790 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | Nitzschia sp. | 2.3 | 913 | 0.0 | 0.0 | 9.9 | 3879 | 5.9 | 2282 | 5.9 | 2282 | 6.4 | 2510 | 0.6 | 228 | 1.8 | 684 | 1.2 | 456 | 2.3 | 912.6 | | | | | | | | | | | |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2018-2019 | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|-----------|---------------------|------------|---------------------|-----------|---------------------|-----------|---------------------|------------|---------------------|
| From Site A (Mid Lake) 5/07/2018-26/06/2019 | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ3 | LQ3 | LQ6 | LQ6 | QS3 | QS3 | TH3 | TH3 | UX3 | UX3 | UX6 | UX6 | YR3 | YR3 | AJ3 | AJ3 | CS3 | CS3 | JA2 | JA2 | LH3 | LH3 | QX3 | QX3 |
| 50m | 5/07/2018 | 5/07/2018 | 25/07/2018 | 25/07/2018 | 11/09/2018 | 11/09/2018 | 16/10/2018 | 16/10/2018 | 31/10/2018 | 31/10/2018 | 20/11/2018 | 20/11/2018 | 10/12/2018 | 10/12/2018 | 8/01/2019 | 8/01/2019 | 31/01/2019 | 31/01/2019 | 4/04/2019 | 4/04/2019 | 2/05/2019 | 2/05/2019 | 26/06/2019 | 26/06/2019 |
| | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume |
| | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| Aphanizomenon sp. | 0.0 | 0.0 | 0.2 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aphanocapsa sp. | 0.0 | 0.0 | 2.0 | 18.0 | 0.0 | 0.0 | 6.3 | 56.7 | 6.6 | 59.4 | 10.8 | 97.2 | 24.1 | 216.9 | 0.0 | 0.0 | 1.0 | 9.0 | 1.1 | 9.9 | 0.0 | 0.0 | 1.2 | 10.8 |
| Dolichospermum c.f. lemmermannii (formerly Anabaena c.f. lemmermannii) | 3.1 | 353.8 | 4.8 | 552.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 349.2 | 5.6 | 650.8 | 3.3 | 386.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dolichospermum circinale | 0.4 | 72.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 37.1 | 1.7 | 358.4 | 1.2 | 255.4 | 0.8 | 160.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dolichospermum planctonicum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 35.2 | 2.8 | 451.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Microcystis sp. | 0.5 | 10.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Pseudanabaena sp. | 0.0 | 0.0 | 0.2 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.9 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| Botryococcus braunii | 0.0 | 0.0 | 1.0 | 30350 | 0.0 | 0.0 | 0.6 | 3678746 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 175.5 | 16673 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Crucigeniella sp. | 0.0 | 0.0 | 2.3 | 152.1 | 0.0 | 0.0 | 2.3 | 152.1 | 4.7 | 304.2 | 3.5 | 228.2 | 1.2 | 76.1 | 2.3 | 152.1 | 1.2 | 76.1 | 3.5 | 226.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dictyosphaerium sp. | 18.7 | 1029.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Elakatothrix gelatinosa | 0.0 | 0.0 | 3.5 | 368.6 | 0.0 | 0.0 | 1.2 | 122.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 430.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Eudorina elegans | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 2097 | 11.7 | 2995 | 0.0 | 0.0 | 11.7 | 2995 | 16.9 | 4335 | 0.0 | 0.0 | 0.3 | 87.0 |
| Chlamydocapsa planctonica | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 748.8 | 2.3 | 187.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Golenkinia sp. | | | | | | | | | | | | | | | 2.9 | 482.6 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Lagerheimia sp. | 3.3 | 428.0 | 6.6 | 855.9 | 0.0 | 0.0 | 4.7 | 608.4 | 3.5 | 456 | 0.0 | 0.0 | 1.8 | 228.2 | 0.6 | 76.1 | 0.6 | 76.1 | 1.5 | 194.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| Monoraphidium sp. / Ankistrodesmus falcatus | 8.8 | 368.7 | 9.3 | 391.7 | 0.0 | 0.0 | 18.7 | 786.2 | 31.6 | 1327 | 14.6 | 614.3 | 19.3 | 810.8 | 22.8 | 958.2 | 19.3 | 810.8 | 10.0 | 418.3 | 7.0 | 294.2 | 0.0 | 1.3 |
| Nephrocyrtium lunatum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 386.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Oocystis sp. | 3.8 | 545.4 | 7.1 | 1013 | 0.0 | 0.0 | 7.0 | 996.8 | 3.5 | 498.4 | 3.5 | 498 | 13.5 | 1911 | 10.5 | 1495 | 2.3 | 332 | 10.5 | 1485 | 0.0 | 0.0 | 0.0 | 0.0 |
| Pandorina sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 1647.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sphaerocystis schroeteri | 2.2 | 438.9 | 15.4 | 3072 | 0.0 | 0.0 | 11.7 | 2340.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 936.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Stichococcus contortus | 4.4 | 79.0 | 13.2 | 237.0 | 0.0 | 0.0 | 10.5 | 189.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tetraedron gracile | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 707.9 | 0.6 | 64.4 | 0.5 | 54.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| unidentified Colonial green | 1.1 | 153.6 | 1.6 | 230.4 | 0.0 | 0.0 | 0.6 | 81.9 | 2.3 | 327.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 245.7 | 1.0 | 139.4 | 0.5 | 65.4 | 0.1 | 8.4 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| Asterionella formosa | 5.8 | 1635.2 | 105.9 | 29649 | 0.0 | 0.0 | 16.4 | 4586 | 11.7 | 3276 | 2.9 | 819 | 5.9 | 1638 | 4.1 | 1147 | 14.0 | 3931 | 3.0 | 837 | 0.2 | 50.4 | 0.3 | 84.0 |
| Aulacoseira granulata | 88.9 | 27554 | 83.9 | 26023 | 0.0 | 0.0 | 56.7 | 17591 | 39.8 | 12332 | 11.1 | 3446 | 27.5 | 8523 | 0.0 | 0.0 | 9.9 | 3083 | 7.0 | 2161 | 0.0 | 0.0 | 1.2 | 360 |
| Aulacoseira granulata var. angustissima | 0.4 | 109.2 | 26.3 | 6847 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 2129 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 1217 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cocconeis | 0.0 | 0.0 | 0.5 | 286.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 732.7 | 0.0 | 5.2 |
| Cyclotella sp. | 3.3 | 526.7 | 8.2 | 1317 | 0.0 | 0.0 | 13.5 | 2152.8 | 11.7 | 1872.0 | 10.5 | 1685 | 7.6 | 1217 | 0.0 | 0.0 | 0.6 | 94 | 3.0 | 478.1 | 2.8 | 448.3 | 0.0 | 6.4 |
| Epithemia sp. | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 219.4 | 0.0 | 0.0 | 0.6 | 219.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 219.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Fragilaria crottonensis | 0.9 | 325.8 | 0.2 | 85.9 | 0.0 | 0.0 | 9.4 | 3351 | 3.5 | 1257 | 8.8 | 3141 | 18.1 | 6492 | 67.9 | 24294 | 4.7 | 1675 | 1.5 | 535 | 0.1 | 46.5 | 1.2 | 411.7 |
| Fragilaria sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.7 | 6701.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 89.5 |
| Lindavia sp. | 0.5 | 109.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 895.0 | 3.5 | 1790 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nitzschia sp. | 1.6 | 641.9 | 0.5 | 214.0 | 0.0 | 0.0 | 1.8 | 684.5 | 3.5 | 1369 | 1.8 | 684.5 | 2.3 | 912.6 | 1.2 | 456.3 | 1.2 | 456.3 | 1.0 | 388.4 | 0.0 | 0.0 | 0.0 | 3.9 |
| Synedra sp. | 0.0 | 0.0 | 1.1 | 432.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 461.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 196.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| Closteriopsis sp. | 2.7 | 990.3 | 2.7 | 990.3 | 0.0 | 0.0 | 3.5 | 1267.1 | 2.3 | 844.7 | 4.1 | 1478 | 6.4 | 2323 | 0.0 | 0.0 | 1.8 | 634 | 2.0 | 719.1 | 4.2 | 1517 | 0.0 | 10.8 |
| Staurastrum sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 806.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| Dinobryon sp. | 0.1 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.7 | 690.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| Ceratium sp. | 0.0 | 0.0 | 0.0 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 32760 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 280 | 0.0 | 0.0 |
| Gymnodinium sp. 1 | 0.0 | 0.0 | 0.5 | 603.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 643.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gymnodinium sp. 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 93600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Peridinium sp. | 0.5 | 2194.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 2340 | 2.3 | 9360 | 0.6 | 2340 | 0.6 | 2340 | 7.0 | 28080 | 0.0 | 0.0 | 1.0 | 3984 | 0.0 | 0.0 | 0.0 | 0.0 |
| Flagellates $\geq 5\mu\text{m}$ | | | | | | | | | | | | | | | | | | | | | | | | |
| Cryptomonas sp. | 0.0 | 0.0 | 0.5 | 79.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 84.2 | 1.2 | 168.5 | 0.6 | 84.2 | 1.0 | 143.4 | 0.0 | 0.0 | 0.0 | 1.4 |
| Flagellates < $5\mu\text{m}$ /unicells | 34.6 | 2765.2 | 74.6 | 5969 | 0.0 | 0.0 | 33.3 | 2668 | 37.4 | 2995 | 17.0 | 1357 | 13.5 | 1076 | 153.3 | 12262 | 30.4 | 2434 | 25.4 | 2032 | 130.3 | 10423 | 0.8 | 65.6 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2017-2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|--|
| From Site A (Mid Lake) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 m tube | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample code | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | Site A | |
| Sampling date | HJ1 | HJ1 | IR1 | IR1 | JW1 | JW1 | NB1 | NB1 | QA1 | QA1 | QA4 | QA4 | QA7 | QA7 | UX1 | UX1 | UX4 | UX4 | YK1 | YK1 | BZ1 | BZ1 | BZ1 | BZ1 | DD1 | DD1 | FP1 | FP1 | FP4 | FP4 | FP4 | KE1 | KE1 | | |
| Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | |
| Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | |
| (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | (per ml) | (μm^3) | | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Aphanizomenon</i> sp. | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.19 | 3.61 | 0.0 | 0 | 0.0 | 0 | 4.7 | 90 | 4.4 | 83 | 0.0 | 0 | 1.0 | 18 | 0.3 | 6 | | | | | |
| <i>Aphanocapsa</i> sp. | 0.0 | 0 | 0 | 0 | 4.4 | 39.6 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 1 | 0.0 | 0 | 0.5 | 5 | 0.4 | 3 | 5.3 | 48 | 7.3 | 65 | | | | | |
| <i>Chroococcus</i> sp. | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| <i>Dolichospermum</i> c.f. <i>lemmermannii</i> (formerly <i>Anabaena</i> c.f. <i>lemmermannii</i>) | 0.8 | 95 | 1.68 | 194.88 | 1.62 | 187.92 | 2.5 | 292 | 15.86 | 1839.76 | 7.7 | 893.2 | 3.13 | 363.08 | 0 | 0 | 0.4 | 44 | 1.7 | 196 | 4.3 | 500 | 4.6 | 530 | 7.2 | 839 | 3.5 | 407 | 1.8 | 205 | | | | | |
| <i>Dolichospermum</i> <i>circinale</i> | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.98 | 201.88 | 0.4 | 91 | 0.2 | 45 | 0.7 | 134 | 0.7 | 152 | 1.8 | 367 | 0.4 | 72 | 1.0 | 202 | | | | | |
| <i>Dolichospermum</i> <i>planctonicum</i> | 0.7 | 106 | 0 | 0 | 0 | 0 | 0.2 | 24 | 0 | 0 | 0.11 | 17.6 | 0.92 | 147.2 | 0.3 | 48 | 1.2 | 184 | 2.1 | 341 | 0.3 | 40 | 1.3 | 214 | 0.7 | 114 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| <i>Microcystis</i> sp. | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 2.35 | 427.7 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| <i>Phormidium</i> sp. | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.34 | 7.14 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| <i>Pseudanabaena</i> sp. | 0.0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.37 | 7.03 | 0.4 | 7 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| <i>Snowella</i> sp. | 0.9 | 22 | 9.44 | 236 | 6.43 | 160.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Woronichinia</i> <i>naegeliana</i> | 3.8 | 76 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Batryococcus</i> <i>braunii</i> (colonies) | 0 | 0 | 0.03 | 4290 | 0.02 | 2340 | 0.01 | 13979 | 0.01 | 2884.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 15863 | 0.01 | 4635 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0.01 | 9712 | | | | |
| <i>Crucigeniella</i> sp. | 0 | 0 | 3.51 | 228.15 | 0 | 0 | 5 | 304 | 1.17 | 76.05 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 152 | 0 | 0 | 0 | 0 | 4 | 228 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 228 | | | |
| <i>Dictyosphaerium</i> sp. | 3 | 145 | 2.1 | 115.5 | 0 | 0 | 1 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | 2.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 33 | 0 | 0 | 0 | 0 | | |
| <i>Elakatothrix</i> <i>gelatinosa</i> | 0 | 0 | 0 | 0 | 2.34 | 245.7 | 4 | 369 | 7.605 | 798.525 | 1.755 | 184.275 | 0 | 0 | 9.36 | 982.8 | 35 | 3624 | 1 | 123 | 2 | 246 | 1 | 123 | 1 | 61 | 2 | 184 | 2 | 184 | 2 | 184 | | | |
| <i>Eudorina</i> <i>elegans</i> | 1 | 174 | 0.23 | 58.88 | 0.78 | 199.68 | 0 | 0 | 0 | 0 | 7.02 | 1797.12 | 9.36 | 2396.16 | 16.38 | 4193.28 | 0 | 0 | 33 | 8387 | 27 | 6889 | 8 | 2097 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Lagerheimia</i> sp. | 1 | 76 | 0 | 0 | 1.17 | 152.1 | 0 | 0 | 1.17 | 152.1 | 4.68 | 608.4 | 0.585 | 76 | 2.925 | 380.25 | 1 | 76 | 1 | 152 | 2 | 228 | 2 | 304 | 1 | 76 | 3 | 380 | 4 | 456 | | | | | |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus</i> <i>falcatus</i> | 8 | 344 | 8.775 | 368.55 | 0 | 0 | 17 | 713 | 32.175 | 1351.35 | 9.945 | 417.69 | 13.455 | 565.11 | 7.02 | 294.84 | 1 | 49 | 0 | 0 | 2 | 74 | 2 | 98 | 11 | 442 | 35 | 1474 | 22 | 909 | | | | | |
| <i>Nephrocytium</i> <i>agardhianum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 983 | 0 | 0 | 0 | 0 | 0 | | |
| <i>Nephrocytium</i> <i>lanatum</i> | 0 | 0 | 9.36 | 1544.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 772 | 2 | 386 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Oocystis</i> sp. | 11 | 1495 | 15.795 | 2242.89 | 5.85 | 830.7 | 17 | 2409 | 34.515 | 4901.13 | 36.27 | 5150.34 | 19.89 | 2824.38 | 22.815 | 3239.73 | 12 | 1744 | 1 | 166 | 4 | 581 | 6 | 914 | 12 | 1744 | 13 | 1828 | 6 | 914 | | | | | |
| <i>Greggiochloris</i> <i>lacustris</i> | 0 | 0 | 2.34 | 383.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Scenedesmus</i> sp. | 0 | 0 | 4.68 | 243.36 | 0 | 0 | 0 | 0 | 4.68 | 243.36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Sphaerocystis</i> <i>schroeteri</i> | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 5031 | 0 | 0 | 14.04 | 2808 | 4.68 | 1000 | 16.38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 936 | 5 | 936 | | | | |
| <i>Stichococcus</i> <i>contortus</i> | 281 | 5065 | 279.63 | 5033.34 | 58.5 | 1053 | 2 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 253 | | | |
| <i>Tetradion</i> <i>gracile</i> | 1 | 129 | 11.115 | 1222.65 | 2.925 | 321.75 | 2 | 257 | 0 | 0 | 0.585 | 64.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| unidentified Colonial green | 0 | 0 | 3.51 | 491.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.585 | 43.875 | 0 | 0 | 0 | 0 | 0 | 3 | 410 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 44 | | |
| <i>Volvox</i> <i>aureus</i> | 0 | 0 | 0.88 | 52.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 360 | 0 | 0 | 120 | 15.0 | 900 | 193.1 | 11583 | 0.0 | 0 | 0.0 | 0 | 0 | 0 | 0 | |
| <i>Westella</i> <i>batryoides</i> | 0 | 0 | 9.36 | 608.4 | 8.19 | 532.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 2434 | | | |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Asterionella</i> <i>formosa</i> | 25 | 7043 | 4.095 | 1146.6 | 33.93 | 9500.4 | 314 | 87797 | 104.715 | 29320.2 | 14.625 | 4095 | 16.965 | 4750.2 | 3.51 | 982.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1310 | 61 | 17035 | 178 | 49959 | | | |
| <i>Attheya</i> sp. | 4 | 1053 | 6.435 | 1930.5 | 15.21 | 4563 | 7 | 2106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Aulacoseira</i> <i>granulata</i> | 7 | 2176 | 93.6 | 29016 | 86.58 | 26839.8 | 63 | 19404 | 40.95 | 12694.5 | 21.645 | 6709.95 | 7.605 | 2357.55 | 0 | 0 | 11 | 3446 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2176 | 15 | 4534 | 50 | 15415 | | | | |
| <i>Aulacoseira</i> <i>granulata</i> var. <i>angustissima</i> | 22 | 5780 | 22.23 | 5779.8 | 25.74 | 6692.4 | 19 | 5019 | 15.795 | 4106.7 | 2.34 | 608.4 | 0 | 0 | 0.585 | 152.1 | 0 | 0 | 8 | 2129 | 2 | 456 | 0 | 0 | 0 | 0 | 3 | 761 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Cocconeis</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.585 | 305.955 | 0.585 | 305.955 | 0.585 | 305.955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Cyclotella</i> sp. | 5 | 749 | 4.095 | 655.2 | 7.02 | 1123.2 | 1 | 187 | 2.925 | 468 | 1.755 | 280.8 | 0.585 | 93.6 | 4.095 | 655.2 | 1 | 187 | 1 | 187 | 2 | 374 | 2 | 374 | 2 | 374 | 6 | 936 | 11 | 1778 | 7 | 1123 | | | |
| <i>Cyclotella</i> <i>stelligera</i> | 0 | 0 | 40.18 | 14384.44 | 2.25 | 805.5 | 1 | 251 | 0.67 | 239.86 | 21.06</ | | | | | | | | | | | | | | | | | | | | | | | | |

| Lake Taupo phytoplankton species composition and biovolume (50 m) 2017-2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|-----|
| From Site A (Mid Lake) 18/07/2017-19/06/2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HJ3 | HJ3 | IR3 | IR3 | JW3 | JW3 | NB3 | NB3 | QA3 | QA3 | QA6 | QA6 | QA9 | QA9 | UX3 | UX3 | UX6 | UX6 | YK3 | YK3 | BZ3 | BZ3 | DD3 | DD3 | FP3 | FP3 | FP6 | FP6 | KE3 | KE3 | |
| | 18/07/2017 | 18/07/2017 | 9/08/2017 | 9/08/2017 | 21/08/2017 | 21/08/2017 | 27/09/2017 | 27/09/2017 | 31/10/2017 | 31/10/2017 | 14/11/2017 | 14/11/2017 | 27/11/2017 | 27/11/2017 | 10/01/2018 | 10/01/2018 | 24/01/2018 | 24/01/2018 | 19/02/2018 | 19/02/2018 | 22/03/2018 | 22/03/2018 | 5/04/2018 | 5/04/2018 | 1/05/2018 | 1/05/2018 | 31/05/2018 | 31/05/2018 | 19/06/2018 | 19/06/2018 | |
| | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | |
| | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aphanizomenon sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 4 | 0 | 0 | |
| Aphanocapsa sp. | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 18 | 0 | 0 | 1.8 | 16.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 1 | 11 | 5 | 41 | |
| Dolichospermum c.f lemmermannii (formerly Anabaena c.f lemmermannii) | 1 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.22 | 953.52 | 2.32 | 269.12 | 0 | 0 | 0 | 0 | 0 | 6 | 668 | 0 | 5 | 7 | 821 | 0 | 0 | 0 | 0 | 0 | |
| Dolichospermum circinale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 334 | 0 | 49 | 1 | 183 | 0.8 | 155 | 0 | 0 | 1 | 222 | |
| Dolichospermum planctonicum | 1 | 99 | 0.38 | 60.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 1 | 85 | 0 | 0 | |
| Microcystis sp. | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | |
| Pseudanabaena sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.27 | 5.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 7 | |
| Snowella sp. | 3 | 83 | 10.22 | 255.5 | 9.55 | 238.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | |
| Woronichinia naegeliana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 7 | |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boryococcus braunii (colonies) | 0 | 250 | 0 | 0 | 0.06 | 12285 | 0 | 0 | 7078 | 0 | 0 | 0 | 0 | 0 | 0.01 | 8093.25 | 0 | 0 | 0 | 2184 | 0 | 1251 | 0 | 5739 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Crucigenella sp. | 0 | 0 | 4.68 | 304.2 | 0 | 0 | 0 | 0 | 1.17 | 76.05 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 76 | |
| Dictyosphaerium sp. | 5 | 253 | 102.96 | 5662.8 | 52.65 | 2895.75 | 66 | 3636 | 14.04 | 772.2 | 7.02 | 386.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Elakatothrix gelatinosa | 1 | 123 | 0 | 0 | 0 | 0 | 0 | 0 | 5.85 | 614.25 | 1.17 | 122.85 | 2.34 | 245.7 | 1.755 | 184.275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Eudorina elegans | 0 | 0 | 21.06 | 5391.36 | 77.22 | 19768.32 | 0 | 0 | 0 | 0 | 0 | 0 | 9.36 | 2396.16 | 11.7 | 2995.2 | 15 | 3894 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 225 | 0 | 0 | |
| Chlamydocapsa planctonica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 374 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Lagerheimia sp. | 0 | 0 | 1.755 | 228.15 | 0 | 0 | 0 | 0 | 4.68 | 608.4 | 2.34 | 304.2 | 0.585 | 76 | 1.755 | 228.15 | 0 | 0 | 1 | 76 | 2 | 304 | 2 | 228 | 1 | 71 | 1 | 76 | 0 | 0 | |
| Monoraphidium sp. / Ankistrodesmus falcatus | 8 | 319 | 5.85 | 245.7 | 7.02 | 294.84 | 10 | 418 | 46.8 | 1965.6 | 14.625 | 614.25 | 12.285 | 515.97 | 21.645 | 909.09 | 35 | 1450 | 26 | 1106 | 59 | 2457 | 20 | 860 | 32 | 1360 | 6 | 270 | 5 | 197 | |
| Nephrocyclium lunatum | 2 | 386 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Oocystis sp. | 7 | 997 | 10.53 | 1495.26 | 9.36 | 1329.12 | 23 | 3240 | 22.23 | 3156.66 | 12.285 | 1744.47 | 14.04 | 1993.68 | 11.7 | 1661.4 | 8 | 1163 | 2 | 332 | 2 | 332 | 5 | 665 | 3 | 390 | 3 | 415 | 3 | 415 | |
| Gregochloris lacustris | 0 | 0 | 1.17 | 191.88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Scenedesmus sp. | 2 | 122 | 14.04 | 730.08 | 0 | 0 | 0 | 0 | 0 | 0 | 1.755 | 91.26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sphaerocystis Schroeteri | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 468 | 11.7 | 2340 | 0 | 0 | 4.68 | 1000 | 0 | 0 | 0 | 0 | 0 | 2 | 468 | 5 | 936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Stichococcus contortus | 259 | 4654 | 269.685 | 4854.33 | 66.105 | 1189.89 | 0 | 0 | 2.34 | 42.12 | 10.53 | 189.54 | 2.34 | 42.12 | 2.34 | 42.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetraedron gracile | 3 | 322 | 5.265 | 579.15 | 3.51 | 386.1 | 3 | 322 | 0.585 | 64.35 | 1.755 | 193.05 | 1.17 | 128.7 | 2.925 | 321.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| unidentified Colonial green | 4 | 263 | 0.44 | 61.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Volvox aureus | 6 | 366 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 360 | 4 | 240 | 0 | 0 | 9 | 510 | 0 | 0 | 7 | 390 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Asterionella formosa | 29 | 8190 | 29.25 | 8190 | 114.66 | 32104.8 | 262 | 73382 | 228.15 | 63882 | 36.27 | 10155.6 | 26.325 | 7371 | 5.265 | 1474.2 | 4 | 983 | 2 | 655 | 2 | 655 | 7 | 1966 | 0 | 123 | 9 | 2457 | 26 | 7371 | |
| Attheya sp. | 6 | 1931 | 16.965 | 5089.5 | 5.85 | 1755 | 10 | 2984 | 0.585 | 175.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aulacoseira granulata | 0 | 0 | 73.71 | 22850.1 | 59.085 | 18316.35 | 111 | 34457 | 98.28 | 30466.8 | 94.77 | 29378.7 | 117.585 | 36451.35 | 29.25 | 9067.5 | 10 | 3083 | 6 | 1995 | 9 | 2720 | 9 | 2902 | 0 | 0 | 5 | 1451 | 10 | 3083 | |
| Aulacoseira granulata var. angustissima | 46 | 11864 | 0 | 0 | 62.01 | 16122.6 | 55 | 14297 | 43.29 | 11255.4 | 25.74 | 6692.4 | 18.135 | 4715.1 | 15.21 | 3954.6 | 16 | 4107 | 16 | 4107 | 3 | 761 | 0 | 0 | 3 | 676 | 0 | 0 | 2 | 608 | |
| Cyclotella sp. | 6 | 936 | 10.53 | 1684.8 | 18.72 | 2995.2 | 11 | 1685 | 5.85 | 936 | 4.095 | 655.2 | 2.925 | 468 | 4.095 | 655.2 | 6 | 1030 | 4 | 562 | 8 | 1217 | 9 | 1404 | 3 | 527 | 2 | 281 | 2 | 374 | |
| Cyclotella stelligera | 37 | 13210 | 164.58 | 58919.64 | 52.98 | 18966.84 | 1 | 430 | 1.28 | 458.24 | 20.475 | 7330.05 | 10.53 | 3769.74 | 0 | 0 | 21 | 7539 | 46 | 16545 | 8 | 2723 | 19 | 6702 | 3 | 945 | 0 | 0 | 9 | 3141 | |
| Fragilaria crotonensis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 5026 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 652 | 0 | 0 | 0 | 0 | |
| Fragilaria sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 94 | 1 | 94 | |
| Lindavia sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitzschia sp. | 6 | 2282 | 0 | 0 | 0 | 0 | 8 | 2966 | 3.51 | 1368.9 | 1.755 | 684.45 | 1.755 | 684.45 | 1.17 | 456.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 228 | 2 | 913 |
| Small unknown diatom sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 64 | 0 | 0 | |
| Synedra sp. | 32 | 12677 | 84.825 | 33421.05 | 235.755 | 92887.47 | 0 | 0 | 2.34 | 921.96 | 2.34 | 921.96 | 1.755 | 691.47 | 0.585 | 230.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Desmids (Mesotoniaeae, Desmidiaceae) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Closteropsis sp. | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 632 | 0 | 0 | 0 | 0 | 2.925 | 0.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 88 | |
| Closterium acutum var. variabile | 2 | 662 | 2.925 | 1102.725 | 12.285 | 4631.445 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | |

Lake Taupo phytoplankton enumeration (10-m tube) 2013-14

Cells per ml numbers may be affected by rounding

Table with columns for date (6/05/2013 to 21/07/2014) and various sample codes (GA1, GA4, GH1, etc.). Rows list phytoplankton species like Anabaena, Microcystis, and Chlorella, with corresponding cell counts per ml.

Lake Taupo phytoplankton enumeration (10-m tube) 2009-10

Cell counts and biovolume

Cells per ml numbers may be affected by rounding

| Sample code | PH1 | PH1 | QJ1 | QJ1 | TT1 | TT1 | VA1 | VA1 | VA3 | VA3 | XF1 | XF1 | ZD1 | ZD1 | BX1 | BX1 | CU1 | CU1 | CU3 | CU3 |
|--|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| Sampling date | 19/10/2009 | 19/10/2009 | 12/11/2009 | 12/11/2009 | 13/01/2010 | 13/01/2010 | 2/02/2010 | 2/02/2010 | 18/02/2010 | 18/02/2010 | 10/03/2010 | 10/03/2010 | 8/04/2010 | 8/04/2010 | 20/05/2010 | 20/05/2010 | 3/06/2010 | 3/06/2010 | 23/06/2010 | 23/06/2010 |
| Species composition by class | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | | | | | | |
| <i>Dolichospermum</i> c.f. <i>lemmermannii</i> (formerly; <i>Anabaena</i> c.f. <i>lemmermannii</i>) | 0.0 | 0 | 77.4 | 6964 | 3.0 | 270 | 17.6 | 1582 | 182.5 | 21172 | 4.2 | 492 | 5.6 | 652 | 3.6 | 418 | 4.6 | 531 | 1.9 | 218 |
| <i>Dolichospermum plancoticum</i> (formerly; <i>Anabaena planktonica</i>) | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.3 | 100 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Dolichospermum</i> sp. (formerly; <i>Anabaena</i> sp.) | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Dolichospermum circinalis</i> (formerly; <i>Anabaena circinalis</i>) | 6.9 | 1429 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Chroococcus</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.8 | 11 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Microcystis</i> sp. | 0.0 | 0 | 0.6 | 13 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Leptolyngbya</i> sp. | 17.1 | 188 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.6 | 7 | 0.0 | 0 | 0.0 | 0 |
| <i>Snowella</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Pseudanabaena</i> sp. | 0.7 | 14 | 0.0 | 0 | 0.2 | 4 | 0.0 | 0 | 0.0 | 0 | 0.1 | 2 | 0.1 | 1 | 0.8 | 15 | 0.0 | 0 | 0.4 | 7 |
| <i>Phormidium</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.2 | 5 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Aphanocapsa</i> sp. | 4.0 | 36 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 2.0 | 18 |
| <i>Aphanothece</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Aphanizomenon</i> sp. | 0.3 | 6 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | | | | | | |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 67 | 2818 | 32 | 1341 | 5 | 227 | 21 | 863 | 0 | 0 | 2 | 68 | 18 | 750 | 14 | 591 | 27 | 1113 | 11 | 477 |
| <i>Stichococcus contortus</i> | 11 | 204 | 0 | 0 | 0 | 0 | 9 | 166 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Botryococcus braunii</i> (colonies) | 0 | 0 | 0.002 | 3900 | 0.000 | 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 3248 | 0.0 | 1570 |
| <i>Chlamydomonas</i> sp. | 2 | 341 | 0 | 1 | 1 | 227 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 454 | 0 | 0 | 3 | 568 |
| <i>Elakotothrix gelatinosa</i> | 4 | 454 | 3 | 341 | 1 | 114 | 4 | 454 | 0 | 0 | 1 | 114 | 0 | 15 | 1591 | 6 | 682 | 2 | 170 | 0 |
| <i>Eudorina elegans</i> | 8 | 2077 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nephrocytium lunatum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Oocystis</i> sp. | 9 | 1229 | 12 | 1690 | 22 | 3150 | 36 | 5070 | 45 | 6376 | 10 | 1383 | 34 | 4840 | 11 | 1613 | 11 | 1613 | 6 | 845 |
| <i>Tetradion gracile</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Paulschulzia</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Dictyosphaerium</i> | 45 | 0 | 0 | 0 | 6 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 238 | 0 | 0 |
| <i>Crucigeniella</i> sp. | 17 | 1090 | 18 | 1160 | 77 | 4993 | 48 | 3095 | 8 | 492 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 70 | 0 | 0 |
| <i>Kirchneriella contorta</i> | 10 | 321 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 214 | 0 | 0 |
| <i>Planktosphaeria gelatinosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Scenedesmus</i> sp. | 0 | 0 | 0 | 0 | 4 | 225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 225 | 0 | 0 |
| <i>Volvox aureus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 325 | 19476 | 173 | 10387 | 498 | 29863 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 186 | 51958 | 31 | 8786 | 3 | 757 | 0 | 0 | 0 | 0 | 4 | 1060 | 0 | 0 | 4 | 1212 | 10 | 2727 | 9 | 2575 |
| <i>Aulacoseira granulata</i> | 21 | 6541 | 23 | 7044 | 6 | 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 3857 | 9 | 2683 | 9 | 2851 | 0 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 54 | 13925 | 4 | 1125 | 1 | 281 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Aulacoseria</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Cyclotella stelligera</i> | 10 | 1558 | 3 | 519 | 4 | 606 | 2 | 346 | 1 | 173 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 346 |
| <i>Fragilaria crotonensis</i> | 158 | 56554 | 121 | 43190 | 60 | 21498 | 98 | 35249 | 8 | 2905 | 15 | 5229 | 12 | 4261 | 22 | 7941 | 57 | 20336 | 135 | 48226 |
| <i>Nitzschia</i> sp. | 2 | 844 | 1 | 211 | 2 | 633 | 3 | 1266 | 0 | 0 | 1 | 211 | 2 | 844 | 7 | 2743 | 2 | 633 | 0 | 0 |
| <i>Synedra</i> sp. | 1 | 426 | 0 | 0 | 1 | 213 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Amphora</i> sp. | 0 | 0 | 0 | 0 | 2 | 849 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 566 | 1 | 283 |
| <i>Cocconeis</i> | 1 | 566 | 0 | 0 | 0 | 0 | 2 | 849 | 0 | 0 | 6 | 3112 | 0 | 0 | 6 | 3395 | 8 | 3961 | 7 | 3678 |
| Small unknown diatom sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 238 | 1 | 60 | 1 | 119 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | | | | | | | | |
| <i>Closterium aciculare</i> | 0 | 0 | 1 | 648 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Closterium acutum</i> var. <i>variable</i> | 1 | 408 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 204 | 1 | 408 |
| <i>Staurosira</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 74 | 1 | 74 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 98 | 5809 | 289 | 17077 | 16 | 926 | 37 | 2202 | 29 | 1692 | 4 | 223 | 4 | 223 | 25 | 1468 | 0 | 0 | 6 | 383 |
| <i>Cryptomonas</i> sp. | 1 | 78 | 0 | 0 | 1 | 78 | 0 | 0 | 0 | 0 | 1 | 156 | 0 | 0 | 1 | 78 | 2 | 234 | 1 | 156 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 1 | 11361 | 1 | 22722 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Gymnodinium</i> sp. 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1190 | 0 | 0 | 0 | 0 | 1 | 595 | 1 | 595 | 0 | 0 |
| <i>Gymnodinium</i> sp. 2 | 0 | 0 | 0 | 0 | 2 | 40575 | 0 | 0 | 1 | 27050 | 0 | 0 | 0 | 5410 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Peridinium</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15148 | 0 | 0 | 3 | 12984 | 0 | 0 | 1 | 2164 |
| <i>Gonyaulax</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2164 | 0 | 0 | 3 | 6492 | 0 | 0 | 0 | 0 | 0 | 0 |
| Flagellates 5µm | | | | | | | | | | | | | | | | | | | | |
| Flagellates < 5µm/unicells | 153 | 5340 | 61 | 2140 | 43 | 1496 | 42 | 1477 | 85 | 2973 | 34 | 1193 | 33 | 1155 | 29 | 1004 | 23 | 795 | 36 | 1269 |

Lake Taupo phytoplankton enumeration (10-m tube) 2009-10 (continued)

| Cell counts and biovolume | | Cells per ml numbers may be affected by rounding | | | |
|--|--------------------------------|--|--------------------------------|---|--|
| Sample code Sampling date Species composition by class | EX1 | EX1 | FY1 | FY1 | |
| | 13/07/2010 Cell (per ml) | 13/07/2010 Biovolume (µm ³) | 10/08/2010 Cell (per ml) | 10/08/2010 Biovolume (µm ³) | |
| Blue greens (Cyanophyceae) | | | | | |
| <i>Dolichospermum</i> c.f. <i>lemmermannii</i> (formerly; <i>Anabaena</i> c.f. <i>lemmermannii</i>) | 0.2 | 22 | 0.8 | 87 | |
| <i>Dolichospermum planctonicum</i> (formerly; <i>Anabaena planktonica</i>) | 0.0 | 0 | 0.0 | 0 | |
| <i>Dolichospermum</i> sp. (formerly; <i>Anabaena</i> sp.) | 0.0 | 0 | 0.0 | 0 | |
| <i>Dolichospermum circinalis</i> (formerly; <i>Anabaena circinalis</i>) | 0.0 | 0 | 0.3 | 67 | |
| <i>Chroococcus</i> sp. | 0.0 | 0 | 0.0 | 0 | |
| <i>Microcystis</i> sp. | 0.0 | 0 | 0.4 | 8 | |
| <i>Leptolyngbya</i> sp. | 0.0 | 0 | 1.3 | 14 | |
| <i>Snowella</i> sp. | 0.0 | 0 | 0.0 | 0 | |
| <i>Pseudanabaena</i> sp. | 0.5 | 9 | 0.0 | 0 | |
| <i>Phormidium</i> sp. | 0.3 | 5 | 0.0 | 0 | |
| <i>Aphanocapsa</i> sp. | 2.4 | 22 | 1.0 | 9 | |
| <i>Aphanothece</i> sp. | 0.0 | 0 | 0.0 | 0 | |
| <i>Aphanizomenon</i> sp. | 0.0 | 0 | 0.0 | 0 | |
| Greens (Chlorophyceae) | | | | | |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 68 | 2863 | 72 | 3022 | |
| <i>Stichococcus contortus</i> | 0 | 0 | 29 | 526 | |
| <i>Botryococcus braunii</i> (colonies) | 0.0 | 0 | 0.0 | 6160 | |
| <i>Chlamydomonas</i> sp. | 0 | 0 | 2 | 341 | |
| <i>Elakotothrix gelatinosa</i> | 6 | 625 | 6 | 682 | |
| <i>Eudorina elegans</i> | 0 | 0 | 16 | 4155 | |
| <i>Nephrocytium lunatum</i> | 0 | 0 | 0 | 0 | |
| <i>Oocystis</i> sp. | 4 | 538 | 3 | 384 | |
| <i>Tetraedon gracile</i> | 0 | 0 | 0 | 0 | |
| <i>Paulschulzia</i> sp. | 0 | 0 | 0 | 0 | |
| <i>Dictyosphaerium</i> | 0 | 0 | 9 | 506 | |
| <i>Crucigeniella</i> sp. | 0 | 0 | 3 | 211 | |
| <i>Kirchneriella contorta</i> | 0 | 0 | 0 | 0 | |
| <i>Planktosphaeria gelatinosa</i> | 0 | 0 | 0 | 0 | |
| <i>Scenedesmus</i> sp. | 2 | 113 | 0 | 0 | |
| <i>Volvox aureus</i> | 87 | 5194 | 0 | 0 | |
| Diatoms (Bacillariophyceae) | | | | | |
| <i>Asterionella formosa</i> | 39 | 11058 | 155 | 43323 | |
| <i>Aulacoseira granulata</i> | 23 | 7044 | 52 | 16268 | |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 57 | 14910 | |
| <i>Aulacoseira</i> sp. | 17 | 0 | 0 | 0 | |
| <i>Cyclotella stelligera</i> | 8 | 1212 | 11 | 1818 | |
| <i>Fragilaria crotonensis</i> | 62 | 22273 | 108 | 38542 | |
| <i>Nitzschia</i> sp. | 1 | 422 | 3 | 1266 | |
| <i>Synedra</i> sp. | 1 | 213 | 6 | 2345 | |
| <i>Amphora</i> sp. | 0 | 0 | 0 | 0 | |
| <i>Cocconeis</i> | 4 | 2264 | 5 | 2829 | |
| | 4 | 417 | 4 | 417 | |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | |
| <i>Closterium aciculare</i> | 0 | 0 | 2 | 1296 | |
| <i>Closterium acutum</i> var. <i>variable</i> | 0 | 0 | 0 | 0 | |
| <i>Staurastrum</i> sp. | 0 | 0 | 0 | 0 | |
| Chrysophyta (Chrysophyceae) | | | | | |
| <i>Dinobryon</i> sp. | 0 | 0 | 5 | 287 | |
| <i>Cryptomonas</i> sp. | 4 | 623 | 3 | 390 | |
| Dinoflagellates (Dinophyceae) | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | |
| <i>Gymnodinium</i> sp. 1 | 1 | 595 | 0 | 0 | |
| <i>Gymnodinium</i> sp. 2 | 0 | 0 | 0 | 0 | |
| <i>Peridinium</i> sp. | 0 | 0 | 0 | 0 | |
| <i>Gonyaulax</i> sp. | 0 | 0 | 0 | 0 | |
| Flagellates 5µm | | | | | |
| Flagellates < 5µm/unicells | 59 | 2064 | 70 | 2443 | |

Lake Taupo phytoplankton enumeration (10-m tube) 2008-09

Cell counts and biovolume

Cells per ml numbers may be affected by rounding

| Species composition by class | Sample code | | RL4 | RL4 | SV2 | SV2 | UP4 | UP4 | XE2 | XE2 | XZ2 | XZ2 | XZ1 | XZ1 | AH2 | AH2 | AH4 | AH4 | DU1 | DU1 | EW2 | EW2 | GV2 | GV2 | |
|--|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|---|
| | Sampling date | 16/09/2008 | 16/09/2008 | 14/10/2008 | 14/10/2008 | 26/11/2008 | 26/11/2008 | 22/12/2008 | 22/12/2008 | 13/01/2009 | 13/01/2009 | 28/01/2009 | 28/01/2009 | 11/02/2009 | 11/02/2009 | 25/02/2009 | 25/02/2009 | 26/03/2009 | 26/03/2009 | 15/04/2009 | 15/04/2009 | 7/05/2009 | 7/05/2009 | | |
| | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | Cell (per ml) | Biovolume (µm³) | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Anabaena lemmermannii</i> | 0.0 | 0 | 0.0 | 0 | 46.5 | 1905 | 16.3 | 670 | 1.3 | 116 | 1.3 | 120 | 7.4 | 669 | 75.6 | 41 | 1.4 | 126 | 27.7 | 2495 | 13.6 | 1226 | | | |
| <i>Pseudanabaena limnetica</i> | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.1 | 2 | 0.0 | 0 | 4.4 | 83 | 0.0 | 0 | 0.0 | 0 | | | |
| <i>Anabaena planktonica</i> | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.8 | 299 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| <i>Anabaena</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| <i>Anabaena circinalis</i> | 0.0 | 0 | 8.9 | 581 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| <i>Chroococcus</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.3 | 4 | |
| <i>Microcystis</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| <i>Leptolyngbya</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 2.1 | 23 | |
| <i>Snowella</i> sp. | | | | | | | | | | | | | | | | | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Monoraphidium</i> sp./ <i>Ankistrodesmus falcatus</i> | 94 | 3956 | 4 | 172 | 4 | 172 | 16 | 688 | 53 | 2236 | 139 | 5848 | 56 | 2359 | 0 | 0 | 0 | 0 | 0 | 1 | 49 | 5 | 221 | | |
| <i>Stichococcus contortus</i> | 12 | 211 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Botryococcus braunii</i> | 0.0 | 218 | 0.0 | 0 | 0.0 | 0 | 8877 | 0.0 | 127636 | 0.0 | 0 | 0.0 | 1908 | 0.0 | 0.0 | 543 | 0 | 0 | 0.0 | 4213 | 0.0 | 6058 | | | |
| <i>Chlamydomonas</i> sp. | 0 | 1 | 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Elakotrothrix gelatinosa</i> | 4 | 369 | 0 | 0 | 0 | 0 | 0 | 5 | 491 | 12 | 1229 | 16 | 1720 | 18 | 1843 | 0 | 0 | 0 | 1 | 114 | 0 | 0 | 0 | 0 | |
| <i>Eudorina elegans</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1647 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 674 | 0 | 0 | 0 | 0 | |
| <i>Nephrocystium lanatum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Oocystis</i> sp. | 14 | 1994 | 8 | 1163 | 5 | 748 | 5 | 665 | 0 | 2 | 249 | 5 | 665 | 0 | 0 | 0 | 0 | 0 | 5 | 748 | 4 | 498 | | | |
| <i>Tetraodon gracile</i> | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 2252 | 9 | 1030 | 1 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Paulschulzia</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Dictyosphaerium</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | |
| <i>Crucigeniella</i> sp. | 0 | 0 | 0 | 7 | 456 | 4 | 228 | 2 | 152 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 1969 | 53 | 3422 | | |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 64 | 18018 | 42 | 11794 | 29 | 8190 | 3 | 819 | 22 | 6061 | 35 | 9828 | 5 | 1310 | 1 | 328 | 4 | 1147 | 11 | 3112 | 19 | 5242 | | | |
| <i>Aulacoseira granulata</i> | 15 | 4534 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2539 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 1 | 304 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Aulacoseria</i> sp. | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Cyclotella stelligera</i> | 15 | 2340 | 2 | 374 | 7 | 1123 | 0 | 1 | 187 | 1 | 187 | 1 | 187 | 0 | 0 | 1 | 187 | 1 | 187 | 4 | 655 | | | | |
| <i>Fragilaria crotonensis</i> | 37 | 13194 | 33 | 11728 | 99 | 35603 | 66 | 23456 | 70 | 25132 | 21 | 7539 | 48 | 17173 | 16 | 5864 | 2 | 838 | 21 | 7539 | 8 | 2723 | | | |
| <i>Nitzschia</i> sp. | 0 | 0 | 0 | 0 | 0 | 4 | 1369 | 0 | 0 | 4 | 1597 | 2 | 913 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Synedra</i> sp. | 1 | 230 | 0 | 0 | 0 | 0 | 2 | 691 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 230 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Amphora</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 306 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Cocconeis</i> | 1 | 306 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Closterium aciculare</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Closterium acutum</i> var. <i>variable</i> | 1 | 441 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 0 | 0 | 53 | 3106 | 313 | 18466 | 23 | 1381 | 0 | 0 | 2 | 104 | 38 | 2243 | 53 | 3141 | 0 | 0 | 11 | 621 | 13 | 794 | | | |
| <i>Cryptomonas</i> sp. | 0 | 0 | 0 | 0 | 1 | 168 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Gymnodinium</i> sp. 1 | 0 | 0 | 0 | 0 | 1 | 205 | 1 | 205 | 1 | 205 | 4 | 4505 | 4 | 4505 | 3 | 3218 | 0 | 0 | 0 | 1 | 1287 | 1 | 644 | | |
| <i>Gymnodinium</i> sp. 2 | 0 | 0 | 0 | 0 | 1 | 14625 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 0 | 0 | 50 | 0 | 25 | | | |
| <i>Peridinium</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4680 | 1 | 2340 | 0 | 0 | 0 | 0 | 1 | 2340 | 0 | 0 | 0 | 0 | |
| <i>Gonyaulax</i> sp. | | | | | | | | | | | | | | | | 1 | 1170 | 1 | 1170 | 0 | 0 | 0 | 0 | 0 | |
| Flagellates 5µm | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flagellates < 5µm/cells | 113 | 3972 | 68 | 2375 | 78 | 2723 | 249 | 8722 | 182 | 6368 | 57 | 2007 | 51 | 1781 | 83 | 2907 | 37 | 1290 | 51 | 1781 | 145 | 5078 | | | |

Lake Taupo phytoplankton enumeration (10-m tube) 2008-09 continued

| Species composition by class | Sample code | GV4 | GV4 | JO1 | JO1 | KI1 | KI1 | NEW NAMES INTRODUCED | LT1 | LT1 | ND1 | ND1 |
|--|---------------|--------------------|------------|--------------------|------------|--------------------|-----------|--|------------|--------------------|-----------|--------------------|
| | Sampling date | 27/05/2009 | 27/05/2009 | 18/06/2009 | 18/06/2009 | 6/07/2009 | 6/07/2009 | August 2009 | 13/08/2009 | 13/08/2009 | 7/09/2009 | 7/09/2009 |
| | Cell | Biovolume | Cell | Biovolume | Cell | Biovolume | Cell | | Cell | Biovolume | Cell | Biovolume |
| | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | (µm ³) | (per ml) | | (per ml) | (µm ³) | (per ml) | (µm ³) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | |
| <i>Anabaena lemmermannii</i> | 9.4 | 849 | 5.8 | 41 | 0.3 | 28 | 28 | <i>Anabaena c.f. lemmermannii</i> (formerly; <i>Dolichospermum c.f. lemmermannii</i>) | 0.1 | 10 | 0.1 | 11 |
| <i>Pseudanabaena limnetica</i> | 0.0 | 0 | 0.0 | 0 | 1.0 | 19 | 19 | <i>Pseudanabaena sp.</i> | 0.0 | 0 | 0.0 | 0 |
| <i>Anabaena planktonica</i> | 0.2 | 88 | 0.0 | 0 | 0.0 | 0 | 0 | <i>Dolichospermum planktonicum</i> (formerly; <i>Anabaena planktonica</i>) | 0.0 | 0 | 0.0 | 0 |
| <i>Anabaena sp.</i> | 2.1 | 188 | 0.3 | 23 | 0.5 | 46 | 46 | <i>Dolichospermum sp.</i> (formerly; <i>Anabaena sp.</i>) | 0.0 | 0 | 0.0 | 0 |
| <i>Anabaena circinalis</i> | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0 | <i>Dolichospermum circinalis</i> (formerly; <i>Anabaena circinalis</i>) | 0.0 | 0 | 0.0 | 0 |
| <i>Chroococcus sp.</i> | 0.1 | 1 | 0.0 | 0 | 0.0 | 0 | 0 | <i>Chroococcus sp.</i> | 0.2 | 2 | 0.8 | 11 |
| <i>Microcystis sp.</i> | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0 | <i>Microcystis sp.</i> | 0.0 | 0 | 2.5 | 53 |
| <i>Leptolyngbya sp.</i> | 0.6 | 6 | 0.1 | 2 | 0.0 | 0 | 0 | <i>Leptolyngbya sp.</i> | 0.0 | 0 | 120.0 | 1320 |
| <i>Snowella sp.</i> | 0.1 | 3 | 0.0 | 0 | 0.0 | 0 | 0 | <i>Snowella sp.</i> | 3.3 | 83 | 222.9 | 5572 |
| Greens (Chlorophyceae) | | | | | | | | | | | | |
| Greens (Chlorophyceae) | | | | | | | | | | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 14 | 590 | 42 | 1744 | 42 | 1750 | 1750 | <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 24 | 1022 | 225 | 9459 |
| <i>Stichococcus contortus</i> | 0 | 0 | 3 | 53 | 0 | 0 | 0 | <i>Stichococcus contortus</i> | 19 | 351 | 63 | 1141 |
| <i>Botryococcus braunii</i> | 0.0 | 15954 | 0.0 | 14315 | 0.0 | 30946 | 30946 | <i>Botryococcus braunii (colonies)</i> | 0.0 | 0 | 0.0 | 205716 |
| <i>Chlamydomonas sp.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Chlamydomonas sp.</i> | 0 | 0 | 0 | 0 |
| <i>Elakotrix gelatinosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Elakotrix gelatinosa</i> | 1 | 114 | 8 | 819 |
| <i>Eudorina elegans</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Eudorina elegans</i> | 0 | 0 | 0 | 0 |
| <i>Nephrocystium lunatum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nephrocystium lunatum</i> | 0 | 0 | 0 | 0 |
| <i>Oocystis sp.</i> | 0 | 0 | 4 | 498 | 0 | 0 | 0 | <i>Oocystis sp.</i> | 15 | 2151 | 0 | 0 |
| <i>Tetraedon gracile</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Tetraedon gracile</i> | 0 | 0 | 0 | 0 |
| <i>Paulschulzia sp.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Paulschulzia sp.</i> | 0 | 0 | 0 | 0 |
| <i>Dictyosphaerium sp.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Dictyosphaerium sp.</i> | 0 | 0 | 12 | 295 |
| <i>Crucigeniella sp.</i> | 36 | 2358 | 11 | 722 | 9 | 598 | 598 | <i>Crucigeniella sp.</i> | 2 | 141 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 10 | 2785 | 22 | 6143 | 55 | 15299 | 15299 | <i>Asterionella formosa</i> | 366 | 102400 | 215 | 60333 |
| <i>Aulacoseira granulata</i> | 7 | 2176 | 0 | 0 | 102 | 31529 | 31529 | <i>Aulacoseira granulata</i> | 30 | 9392 | 18 | 5441 |
| <i>Aulacoseira granulata var. angustissima</i> | 0 | 0 | 15 | 3955 | 0 | 0 | 0 | <i>Aulacoseira granulata var. angustissima</i> | 0 | 0 | 4 | 1014 |
| <i>Aulacoseria sp.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Aulacoseria sp.</i> | 0 | 0 | 0 | 0 |
| <i>Cyclotella stelligera</i> | 1 | 187 | 9 | 1404 | 2 | 346 | 346 | <i>Cyclotella stelligera</i> | 5 | 866 | 21 | 3432 |
| <i>Fragilaria crotonensis</i> | 18 | 6492 | 35 | 12566 | 24 | 8716 | 8716 | <i>Fragilaria crotonensis</i> | 0 | 0 | 34 | 12217 |
| <i>Nitzschia sp.</i> | 1 | 456 | 2 | 913 | 2 | 844 | 844 | <i>Nitzschia sp.</i> | 5 | 2110 | 1 | 380 |
| <i>Synedra sp.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Synedra sp.</i> | 1 | 213 | 0 | 0 |
| <i>Amphora sp.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Amphora sp.</i> | 0 | 0 | 0 | 0 |
| <i>Cocconeis</i> | 0 | 0 | 1 | 306 | 0 | 0 | 0 | <i>Cocconeis</i> | 0 | 0 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | |
| <i>Closterium aciculare</i> | 0 | 0 | 1 | 350 | 0 | 0 | 0 | <i>Closterium aciculare</i> | 0 | 0 | 0 | 0 |
| <i>Closterium acutum var. variable</i> | 0 | 0 | 0 | 0 | 1 | 204 | 204 | <i>Closterium acutum var. variable</i> | 0 | 0 | 1 | 368 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 8 | 449 | 0 | 0 | 0 | 0 | 0 | <i>Dinobryon sp.</i> | 0 | 0 | 0 | 0 |
| <i>Cryptomonas sp.</i> | 0 | 0 | 1 | 84 | 1 | 78 | 78 | <i>Cryptomonas sp.</i> | 0 | 0 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 |
| <i>Gymnodinium sp. 1</i> | 1 | 1287 | 1 | 644 | 2 | 1785 | 1785 | <i>Gymnodinium sp. 1</i> | 0 | 0 | 0 | 0 |
| <i>Gymnodinium sp. 2</i> | 0 | 0 | 0 | 2925 | 0 | 0 | 0 | <i>Gymnodinium sp. 2</i> | 0 | 0 | 0 | 0 |
| <i>Peridinium sp.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Peridinium sp.</i> | 0 | 0 | 0 | 0 |
| <i>Gonyaulax sp.</i> | 1 | 2340 | 1 | 1170 | 0 | 0 | 0 | <i>Gonyaulax sp.</i> | 0 | 0 | 0 | 0 |
| Flagellates 5µm | | | | | | | | | | | | |
| Flagellates 5µm | | | | | | | | | | | | |
| Flagellates < 5µm/unicells | 67 | 2334 | 51 | 1781 | 76 | 2651 | 2651 | Flagellates < 5µm/unicells | 328 | 11494 | 193 | 6757 |

Lake Taupo phytoplankton enumeration (10-m tube) 2007-08

Cell counts and biovolume

Cells per ml numbers may be affected by rounding

| Sample code Sampling date | TZ2 8/08/2007 | TZ2 8/08/2007 | TZ4 23/08/2007 | TZ4 23/08/2007 | WF2 11/09/2007 | WF2 11/09/2007 | XX1 9/10/2007 | XX1 9/10/2007 | XX4 30/10/2007 | XX4 30/10/2007 | AM1 15/11/2007 | AM1 15/11/2007 | BM1 4/12/2007 | BM1 4/12/2007 | BM3 20/12/2007 | BM3 20/12/2007 | DT1 17/01/2008 | DT1 17/01/2008 | EO1 31/01/2008 | EO1 31/01/2008 | EO3 14/02/2008 | EO3 14/02/2008 | EO5 27/02/2008 | EO5 27/02/2008 |
|---|------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|
| Species composition by class | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Anabaena lemmermannii</i> | 2 | 64 | 3 | 108 | 1 | 27 | 17 | 696 | 51 | 2100 | 18 | 725 | 1 | 27 | 29 | 1175 | 28.7 | 1175 | 21.3 | 875 | 25.0 | 1025 | 85.8 | 3518 |
| <i>Pseudanabaena limnetica</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 2 | 0.0 | 0 | 0.0 | 0 | 0.5 | 9 |
| <i>Chloococcoides</i> sp. | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Microcystis</i> sp. | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>c/f Rivularia</i> sp. | 0 | 0 | 0 | 0 | 1 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Aphanizomenon</i> sp. | 0 | 0 | 1 | 15 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <i>Aphanizomenon</i> sp. | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 3 | 48 | 4 | 78 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4.0 | 76 |
| <i>Lepolyngbya</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Monoraphidium</i> sp./Ankistrodesmus fulcatus | 20 | 839 | 17 | 695 | 3 | 123 | 6 | 247 | 10 | 418 | 28 | 1189 | 18 | 737 | 114 | 4785 | 66 | 2764 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Stichococcus contortus</i> | 175 | 0 | 97 | 1749 | 25 | 453 | 0 | 0 | 0 | 0 | 0 | 3 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Kirchneriella contorta</i> | 0 | 0 | 0 | 0 | 56 | 1853 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Baيريococcus branii</i> | 0 | 0 | 0 | 4800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1100 | 1 | 92840 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 259720 |
| <i>Chlamydomonas</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Elakotthrix gelatinosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 532 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 246 |
| <i>Eudorina elegans</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 300 | 0 | 0 | 0 | 0 | 0 | 2 | 624 | 4 | 1108 | 0 | 0 | 0 | 3 | 749 |
| <i>Lagerheimia</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Oocystis</i> sp. | 0 | 0 | 0 | 1 | 166 | 5 | 758 | 5 | 665 | 0 | 1 | 166 | 6 | 839 | 2 | 277 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Planktonophora gelatinosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Quadrigula lacustris</i> | 0 | 0 | 5 | 788 | 3 | 480 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 554 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Westella boryoides</i> | 10 | 634 | 29 | 1909 | 0 | 0 | 0 | 0 | 9 | 608 | 0 | 0 | 0 | 0 | 0 | 17 | 1077 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Pantocladia</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 275 | 77123 | 292 | 81787 | 753 | 210974 | 124 | 34838 | 62 | 17363 | 15 | 4187 | 4 | 983 | 2 | 473 | 50 | 14060 | 11 | 3181 | 0 | 0 | 2 | 655 |
| <i>Aulacoseira granulata</i> | 0 | 0 | 0 | 0 | 13 | 3990 | 0 | 0 | 16 | 5078 | 3 | 993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 52 | 13436 | 11 | 2777 | 0 | 0 | 0 | 0 | 3 | 761 | 0 | 0 | 0 | 0 | 0 | 2 | 507 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Cyclotella stelligera</i> | 14 | 2184 | 11 | 1709 | 8 | 1310 | 9 | 1452 | 11 | 1685 | 0 | 0 | 0 | 0 | 1 | 156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Fragilaria crotonensis</i> | 57 | 20419 | 27 | 9750 | 0 | 0 | 0 | 0 | 2 | 574 | 1 | 209 | 9 | 3324 | 19 | 6906 | 5 | 1743 | 0 | 0 | 0 | 13 | 5 | 4607 |
| <i>Nitzschia</i> sp. | 0 | 0 | 5 | 2083 | 1 | 228 | 0 | 0 | 0 | 0 | 0 | 1 | 456 | 14 | 5596 | 1 | 380 | 0 | 0 | 0 | 0 | 0 | 2 | 884 |
| <i>Synedra</i> sp. | 1 | 0 | 0 | 0 | 1 | 1638 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small unknown diatom sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 60 | 0 | 0 | 0 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Clotarium aciculare</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160 | 0 | 0 | 1 | 320 | 1 | 350 | 1 | 506 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Clotarium acutum</i> var. <i>variable</i> | 1 | 551 | 1 | 201 | 1 | 221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 21 | 1266 | 2 | 126 | 0 | 0 | 146 | 8633 | 297 | 17534 | 81 | 4789 | 76 | 4487 | 8 | 448 | 7 | 431 | 6 | 383 | 32 | 1915 | 73 | 4314 |
| <i>Cryptomonas</i> sp. | 0 | 0 | 1 | 77 | 0 | 0 | 1 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Mallomonas</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Gymnodinium</i> sp. 1 | 0 | 1463 | 0 | 0 | 0 | 0 | 1 | 3204 | 1 | 1755 | 0 | 0 | 1 | 1755 | 1 | 2532 | 0 | 0 | 6 | 17853 | 4 | 10820 | 16 | 49140 |
| <i>Gymnodinium</i> sp. 2 | 0 | 12188 | 1 | 13350 | 0 | 0 | 0 | 6675 | 0 | 0 | 0 | 0 | 0 | 7313 | 3 | 63300 | 0 | 6094 | 0 | 0 | 0 | 3 | 73125 | |
| Flagellates 5µm | | | | | | | | | | | | | | | | | | | | | | | | |
| Flagellates < 5µm/unicells | 153 | 6582 | 296 | 10354 | 112 | 3911 | 129 | 4504 | 93 | 3256 | 78 | 2729 | 125 | 4382 | 526 | 18403 | 83 | 2901 | 99 | 3465 | 39 | 1373 | 60 | 2109 |

| | Sample code Sampling date | HT1 | HT1 | HT3 | HT3 | KB1 | KB1 | LB1 | LB1 | LB3 | LB3 | MW1 | MW1 | MW3 | MW3 | OL1 | OL1 | OL3 | OL3 | QA2 | QA2 | QA4 | QA4 | RL2 | RL2 | |
|---|---|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|--|
| | | 13/03/2008 | 13/03/2008 | 26/03/2008 | 26/03/2008 | 17/04/2008 | 17/04/2008 | 7/05/2008 | 7/05/2008 | 22/05/2008 | 22/05/2008 | 5/06/2008 | 5/06/2008 | 18/06/2008 | 18/06/2008 | 10/7/2008 | 10/7/2008 | 15/07/2008 | 15/07/2008 | 7/08/2008 | 7/08/2008 | 20/08/2008 | 20/08/2008 | 4/09/2008 | 4/09/2008 | |
| | Species composition by class | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | Cell (per ml) | Biovolume (µm ³) | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <i>Anabaena lemmermannii</i> | 92 | 3778 | 7.0 | 288 | 56.6 | 2319 | 120.6 | 4946 | 2.2 | 91 | 1.1 | 46 | 1.7 | 71 | 12.2 | 500 | 9.8 | 403 | 0.8 | 32 | 0.2 | 7 | 0.9 | 37 | |
| | <i>Pseudanabaena limnetica</i> | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 2.8 | 53 | 0.3 | 5 | 0.0 | 0 | 0.0 | 0 | |
| | <i>Chroococcus</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| | <i>Microcystis</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| | <i>c.f. Rivularia</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | <i>Aphanatheca</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| | <i>Aphanizomenon</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | |
| | <i>Leptolyngbia</i> sp. | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 1.4 | 16 | 0.0 | 0 | |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 197 | 0 | 0 | 0 | 0 | 0.0 | 0 | 188 | 7907 | 0 | 0 | 73 | 3047 | 73 | 3071 | 130 | 5479 | |
| | <i>Sitochoccus contortus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 474 | |
| | <i>Kieckheferella contorta</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | <i>Botryococcus braunii</i> | 0.1 | 469151 | 0 | 14435 | 0.04 | 259837 | 0 | 104870 | 0 | 28871 | 0 | 132806 | 0.0 | 3609 | 0 | 5774 | 0.1 | 226456 | 0.0 | 5413 | 0 | 0 | 0.0 | 17746 | |
| | <i>Chlamydomonas</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | <i>Etakotrix gelatinosa</i> | 2 | 246 | 6 | 676 | 1 | 123 | 4 | 369 | 2 | 246 | 1 | 123 | 0 | 1 | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | <i>Eudorina elegans</i> | 8 | 2097 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 2696 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 2246 | 0 | 0 | |
| | <i>Lagerheimia</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1797 | |
| | <i>Oocystis</i> sp. | 0 | 0 | 0 | 0 | 1 | 166 | 5 | 665 | 2 | 332 | 0 | 0 | 0 | 0 | 6 | 914 | 0 | 0 | 5 | 665 | 7 | 997 | 0 | 0 | |
| | <i>Planktoopharia gelatinosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 1412 | |
| | <i>Quadrigula lacustris</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | <i>Westella botryoides</i> | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | <i>Pantschulcia</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <i>Asterionella formosa</i> | 19 | 5242 | 12 | 3276 | 5 | 1310 | 10 | 2785 | 28 | 7862 | 25 | 6880 | 22 | 6061 | 25 | 7043 | 102 | 28501 | 191 | 53399 | 79 | 22113 | 94 | 26208 | |
| | <i>Aulacoseira granulata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 725 | 12 | 3808 | 13 | 4171 | 2 | 725 | 0 | 35 | 10700 | 151 | 46798 | 0 | 0 | 18 | 5622 | 0 | |
| | <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 913 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 6388 | 0 | 0 | 0 | 57 | 14754 | 0 | 0 | 0 | |
| | <i>Cyclotella stelligera</i> | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 468 | 1 | 187 | 2 | 374 | 1 | 94 | 4 | 562 | 1 | 94 | 1 | 187 | 12 | 1872 | 18 | 2902 | |
| | <i>Fragilaria crotonensis</i> | 0 | 0 | 15 | 5445 | 4 | 1466 | 0 | 57 | 20315 | 61 | 21781 | 84 | 29948 | 46 | 16545 | 30 | 10890 | 18 | 6283 | 49 | 17592 | 59 | 20943 | 0 | |
| | <i>Nitzschia</i> sp. | 1 | 228 | 1 | 342 | 3 | 1141 | 2 | 684 | 2 | 913 | 0 | 1 | 228 | 4 | 1369 | 4 | 1597 | 1 | 456 | 0 | 0 | 0 | 2 | 684 | |
| | <i>Synedra</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Small unknown diatom sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <i>Closterium aciculare</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1051 | |
| | <i>Closterium acutum</i> var. <i>variable</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 221 | 0 | 0 | 1 | 441 | 0 | 0 | 0 | 0 | |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <i>Dinobryon</i> sp. | 26 | 1519 | 2 | 104 | 4 | 242 | 8 | 483 | 8 | 466 | 9 | 518 | 0 | 0 | 9 | 518 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 1208 | |
| | <i>Cryptomonas</i> sp. | 1 | 84 | 0 | 0 | 1 | 84 | 1 | 168 | 1 | 84 | 2 | 168 | 2 | 337 | 0 | 2 | 337 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | <i>Mallomonas</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1053 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <i>Gymnodinium</i> sp. 1 | 6 | 19305 | 42 | 126360 | 12 | 36855 | 5 | 1843 | 35 | 12285 | 5 | 1838 | 4 | 1229 | 0 | 6 | 2048 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | <i>Gymnodinium</i> sp. 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 29250 | 0 | 7313 | 0 | 0 | 1 | 14625 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Flagellates 5µm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Flagellates < 5µm/unicells | 57 | 1986 | 56 | 1945 | 73 | 2539 | 131 | 4586 | 47 | 1638 | 63 | 2191 | 111 | 3890 | 121 | 4238 | 115 | 4013 | 87 | 3030 | 207 | 7228 | 104 | 3645 | |

Lake Taupo phytoplankton dominance plus enumeration (10-m tube) 2006-07

Dominance by biovolume (rank 1 = dominant,...rank 10 = rare), plus cell counts and biovolume from May 2007

| | Sample code | EM8 | EM10 | EM13 | EM17 | EM20 | EM23 | EM27 | EM29 | EM31 | EM34 | EM36 | EM38 | EM40 | EM40 | EM40 | EM42 | EM42 | EM42 | RY2 | RY2 | RY2 | RY5 | RY5 | RY5 |
|---|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|------------|-----------|------------|-----------|----------|------------------------------|---------------|----------|------------------------------|---------------|----------|------------------------------|---------------|------------|------------------------------|---------------|
| | Sampling date | 26/09/2006 | 18/10/2006 | 1/11/2006 | 5/12/2007 | 14/12/2007 | 9/01/2007 | 8/02/2007 | 21/02/2007 | 21/03/2007 | 3/04/2007 | 19/04/2007 | 8/05/2007 | 22/05/07 | 22/05/07 | 22/05/07 | 14/06/07 | 14/06/07 | 14/06/07 | 27/06/07 | 27/06/07 | 27/06/07 | 18/07/2007 | 18/07/2007 | 18/07/2007 |
| Species composition by class | Rank | Rank | Rank | Rank | Rank | Rank | Rank | Rank | Rank | Rank | Rank | Rank | Rank | Rank | Biovolume (µm ³) | cell (per ml) | Rank | Biovolume (µm ³) | cell (per ml) | Rank | Biovolume (µm ³) | cell (per ml) | Rank | Biovolume (µm ³) | cell (per ml) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Anabaena lemmermannii</i> | 5 | 5 | 5 | 5 | 9 | 5 | 9 | 9 | 9 | 3 | 4 | 5 | 4 | 6 | 303 | 10 | 8 | 450 | 15 | 5 | 1091 | 36 | 4 | 3652 | 17 |
| <i>Anabaena</i> sp. | | | | | | | | | | | | | | | 0 | 0 | | 0 | 0 | 10 | 29 | 0 | | 0 | 0 |
| <i>Aphanizomenon</i> sp. | | | | | | | 8 | 8 | 7 | 7 | 9 | 9 | 10 | | 5 | 0 | | 0 | 0 | | 0 | 0 | 10 | 27 | 1 |
| <i>Phormidium</i> sp. | | | | | | | | | 10 | 10 | 10 | | | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Ankistrodesmus falcatus/ Schroederia</i> sp. | | | | | | | | | | | | | | | | | | | | 9 | 120 | 5 | | 0 | 0 |
| <i>Botryococcus braunii</i> | 7 | 2 | 2 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 3 | 1 | 1014600 | 0 | 1 | 38448 | 1 | 8 | 438 | 0 | | 0 | 0 |
| <i>Chlorosarcinopsis</i> sp. | 10 | 10 | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Elakotothrix gelatinosa</i> | | | | | | | | | | | | | | 6 | 342 | 4 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| <i>Eudorina elegans</i> | 9 | 9 | 10 | 10 | 10 | | 10 | 10 | 10 | 10 | 10 | | 10 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| <i>Kirchneriella contorta</i> | | | | | | | | | | | | | | 10 | 0 | 0 | 10 | 157 | 7 | | 0 | 0 | 10 | 21 | 1 |
| <i>Monoraphidium</i> sp/ <i>Ankistrodesmus falcatus</i> | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 8 | 9 | 7 | 5 | 561 | 19 | 2 | 20456 | 259 | 2 | 5061 | 46 | 5 | 2574 | 12 |
| <i>Oocystis</i> sp. | 7 | 8 | 9 | 9 | 9 | 10 | 7 | 7 | 10 | 10 | 10 | | | 9 | 43 | 1 | 6 | 3210 | 11 | 4 | 1605 | 5 | 9 | 293 | 1 |
| <i>Quadrigula lacustris</i> | 9 | | | | | | | | | | | | | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| <i>Stichoococcus contortus</i> | | | | | | | | | | | | | | | 0 | 0 | | 0 | 0 | 7 | 534 | 4 | 6 | 1073 | 5 |
| <i>Westella botryoides</i> | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | | | | | | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 2 | 2 | 6 | 4 | 4 | | 4 | 5 | | | | | | | 0 | 0 | 6 | 3173 | 10 | 3 | 4414 | 14 | 2 | 25087 | 81 |
| <i>Aulacoseira granulata</i> | 3 | 1 | 1 | 1 | 2 | 9 | 6 | 2 | 2 | 2 | 1 | | | | 0 | 0 | 4 | 6760 | 22 | 1 | 7863 | 25 | 2 | 29167 | 94 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | | | | | | | | | | | | | 2 | 3 | 5590 | 8 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| <i>Cyclotella stelligera</i> | 5 | 5 | 9 | 7 | 6 | 6 | 5 | 6 | | | | | | | 0 | 0 | 8 | 427 | 3 | 10 | 71 | 0 | 8 | 468 | 3 |
| <i>Fragilaria crotonensis</i> | 1 | 4 | 7 | | | | 6 | 7 | 6 | 6 | | | 7 | 4 | 2294 | 6 | 3 | 13382 | 37 | 10 | 33 | 0 | 1 | 109152 | 107 |
| <i>Gomphonema</i> sp. | | | | | | | | | | | | | | | | | 5 | 5559 | 14 | 5 | 1042 | 3 | 7 | 952 | 2 |
| <i>Nitzschia</i> sp. | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 7 | | 8 | 155 | 1 | | | | | | | | | |
| unknown diatom sp. | | | | | | | | | | | | 8 | | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Closterium acutum</i> | 9 | 10 | 10 | 9 | 9 | 7 | 8 | 8 | 10 | 10 | | | | | 0 | 0 | 7 | 1335 | 3 | 6 | 668 | 1 | | 0 | 0 |
| <i>Closterium acutum</i> var. <i>variable</i> | 10 | 10 | 10 | 9 | 8 | 8 | 8 | 8 | | | | | | | 0 | 0 | | 0 | 0 | | 0 | 0 | 7 | 731 | 1 |
| <i>Mougeotia</i> sp. | | | | | | | | | | | | | | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| <i>Staurastrum</i> sp. | 10 | 10 | | | | 10 | | | | | | 9 | 6 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Cryptomonas</i> sp. | 10 | 10 | 10 | | | | 10 | 10 | 10 | 10 | 10 | | | | 0 | 0 | 9 | 267 | 1 | 9 | 196 | 1 | 9 | 293 | 1 |
| <i>Dinobryon</i> sp. | 9 | 3 | 3 | 2 | 1 | 2 | 6 | 8 | 3 | 5 | 2 | 1 | 7 | | 256 | 1 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | | 10 | 10 | 10 | 10 | | 4 | 1 | 3 | | | | | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| <i>Gymnodinium</i> sp. | 5 | 7 | 4 | 3 | 5 | 7 | 3 | 3 | 4 | 6 | 4 | | | 2 | 11748 | 1 | | 0 | 0 | | 0 | 0 | | 0 | 0 |
| <i>Gymnodinium</i> sp. 2 | | | | | | | | | | | | | 8 | | 0 | 0 | | 0 | 0 | 3 | 4450 | 0 | | 0 | 0 |
| Flagellates 5µm | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flagellates < 5µm/unicells | 3 | 6 | 8 | 6 | 6 | 6 | 2 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | 2138 | 50 | 3 | 16227 | 381 | 1 | 7521 | 177 | 3 | 4133 | 97 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2018-2019 | | | | | | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| From Site A (Mid Lake) 07/05/2019 | | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | | Surface | 10m | 20m | 50m | 100m | 150m |
| | LO1 | LO2 | LO3 | LO6 | LO11 | LO16 | | LO1 | LO2 | LO3 | LO6 | LO11 | LO16 |
| | 7/05/2019 | 7/05/2019 | 7/05/2019 | 7/05/2019 | 7/05/2019 | 7/05/2019 | | 7/05/2019 | 7/05/2019 | 7/05/2019 | 7/05/2019 | 7/05/2019 | 7/05/2019 |
| | Cell | Cell | Cell | Cell | Cell | Cell | | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume |
| | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| Aphanizomenon sp. | 0.3 | 0.5 | 0.4 | 0 | 0 | 0 | | 6 | 10 | 8 | 0 | 0 | 0 |
| Aphanocapsa sp. | 0 | 1 | 0 | 0 | 0 | 0 | | 0 | 9 | 0 | 0 | 0 | 0 |
| Aphanothece sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Chroococcus sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Dolichospermum c.f lemmermannii (formerly Anabaena c.f lemmermannii) | 3 | 0 | 0 | 0 | 0 | 0.4 | | 336 | 0 | 0 | 0 | 0 | 48 |
| Dolichospermum circinale | 0 | 0 | 0 | 0 | 0 | 0.2 | | 0 | 0 | 0 | 0 | 0 | 47 |
| Dolichospermum planctonicum | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Dolichospermum sp. (formerly Anabaena sp.) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Gloeocapsa sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Microcystis sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Phormidium sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Pseudanabaena sp. | 0.3 | 0 | 0.2 | 0 | 1 | 0.4 | | 5 | 0 | 3 | 0 | 28 | 7 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| Botryococcus braunii cells/mL | 38 | 0 | 0 | 0 | 0 | 0 | | 3612 | 0 | 0 | 0 | 0 | 0 |
| Crucigeniella sp | 1 | 0 | 0 | 2 | 1 | 0 | | 76 | 0 | 0 | 129 | 65 | 0 |
| Elakathrix gelatinosa | 6 | 3 | 1 | 0 | 0 | 0 | | 614 | 314 | 105 | 0 | 0 | 0 |
| Lagerheimia sp. | 0 | 0 | 0 | 2 | 0 | 2 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Monoraphidium sp. / Ankistrodesmus falcatus | 19 | 19 | 10 | 10 | 10 | 4 | | 786 | 795 | 418 | 439 | 418 | 172 |
| Oocystis sp. | 1 | 0 | 0 | 1 | 2 | 0 | | 166 | 0 | 0 | 212 | 354 | 0 |
| Sphaerocystis Schroeteri | 0 | 2 | 0 | 0 | 0 | 0 | | 0 | 100 | 0 | 0 | 0 | 0 |
| Tetraedron gracile | 0 | 0 | 0 | 0.5 | 0 | 0.6 | | 0 | 0 | 0 | 55 | 0 | 64 |
| unidentified Colonial green | 1 | 0 | 1 | 0 | 1 | 0.6 | | 44 | 0 | 112 | 0 | 112 | 44 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| Asterionella formosa | 0 | 0 | 8 | 0 | 1 | 1 | | 0 | 0 | 2231 | 0 | 418 | 328 |
| Aulacoseira granulata | 5 | 6 | 8 | 15 | 5 | 105 | | 1451 | 1853 | 2470 | 4786 | 1698 | 32643 |
| Aulacoseira granulata var. angustissima | 11 | 0 | 0 | 6 | 0 | 13 | | 2890 | 0 | 0 | 1554 | 0 | 3346 |
| Cocconeis | 0 | 0 | 0 | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 612 |
| Cyclotella sp. | 1 | 1 | 0.5 | 3 | 1 | 26 | | 187 | 159 | 80 | 478 | 239 | 4118 |
| Epithemia sp. | 0 | 0 | 0 | 0 | 0 | 2 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Fragilaria crotonensis | 26 | 27 | 45 | 0 | 0 | 11 | | 9215 | 9806 | 16046 | 0 | 0 | 3770 |
| Fragilaria sp. | 0 | 0 | 0 | 13 | 0 | 9 | | 0 | 0 | 0 | 4635 | 0 | 3351 |
| Lindavia sp. | 0 | 0 | 0 | 0 | 0 | 5 | | 0 | 0 | 0 | 0 | 0 | 3084 |
| Nitzschia sp. | 0 | 0 | 0 | 0 | 1 | 0 | | 0 | 0 | 0 | 0 | 388 | 0 |
| Rhopalodia sp. | 0 | 0.5 | 0 | 0 | 0 | 1 | | 0 | 249 | 0 | 0 | 0 | 585 |
| Rhoicosphenia sp. | 0 | 0 | 0 | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Synedra sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 196 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| Closteriopsis sp. | 0.6 | 0 | 0 | 1 | 1 | 0 | | 212 | 0 | 0 | 361 | 361 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| Ceratium sp. | 0 | 0.5 | 0 | 0 | 0 | 0 | | 0 | 13944 | 0 | 0 | 0 | 0 |
| Gymnodinium sp. 1 | 1 | 1 | 1 | 0 | 0 | 0 | | 1287 | 1096 | 1096 | 0 | 0 | 0 |
| Peridinium sp. | 4 | 1 | 1 | 0 | 0 | 0 | | 16380 | 5976 | 5976 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| Cryptomonas sp. | 0.6 | 0.5 | 0 | 1 | 0 | 0 | | 84 | 72 | 0 | 143 | 0 | 0 |
| Flagellates < 5 μm /unicells | 152 | 66 | 16 | 67 | 98 | 33 | | 12121 | 5299 | 1275 | 5339 | 7848 | 2621 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2018-2019 | | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| From Site A (Mid Lake) 16/10/2018 | | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | | Surface | 10m | 20m | 50m | 100m | 150m |
| | SC1 | SC2 | SC3 | SC6 | SC11 | SC16 | | SC1 | SC2 | SC3 | SC6 | SC11 | SC16 |
| | 16/10/2018 | 16/10/2018 | 16/10/2018 | 16/10/2018 | 16/10/2018 | 16/10/2018 | | 16/10/2018 | 16/10/2018 | 16/10/2018 | 16/10/2018 | 16/10/2018 | 16/10/2018 |
| | Cell | Cell | Cell | Cell | Cell | Cell | | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume |
| | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| Aphanocapsa sp. | 0 | 0 | 11 | 0 | 0 | 27 | | 0 | 0 | 95 | 0 | 0 | 247 |
| Aphanothece sp. | 4 | 6 | 0 | 0 | 0 | 0 | | 38 | 52 | 0 | 0 | 0 | 0 |
| Chroococcus sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0.6 | 0 | 0 | 0 | 0 | 0 |
| Dolichospermum c.f lemmermannii (formerly Anabaena c.f lemmermannii) | 0.1 | 9 | 0 | 0 | 0 | 0 | | 13 | 1003 | 0 | 0 | 0 | 0 |
| Dolichospermum circinale | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Dolichospermum planctonicum | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Dolichospermum sp. (formerly Anabaena sp.) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Gloeocapsa sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Microcystis sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Phormidium sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Pseudanabaena sp. | 0 | 0 | 0 | 0 | 0.3 | 1 | | 0 | 0 | 0 | 0 | 5 | 22 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| Botryococcus braunii (colonies) | 0 | 0 | 0 | 0 | 0 | 0 | | 59400 | 10763 | 0 | 0 | 0 | 0 |
| Crucigeniella sp. | 0 | 0 | 2 | 0 | 0 | 0 | | 0 | 0 | 152 | 0 | 0 | 0 |
| Dictyosphaerium sp. | 0.3 | 0.9 | 0 | 0 | 0 | 0 | | 14 | 48 | 0 | 0 | 0 | 0 |
| Elakatothrix gelatinosa | 1 | 4 | 0 | 0 | 0 | 0 | | 123 | 369 | 0 | 0 | 0 | 0 |
| Eudorina elegans | 0.2 | 0.2 | 0 | 0 | 9 | 0 | | 41 | 41 | 0 | 0 | 2246 | 0 |
| Lagerheimia sp. | 11 | 5 | 12 | 0 | 2 | 1 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Monoraphidium sp. / Ankistrodesmus falcatus | 39 | 60 | 97 | 20 | 23 | 37 | | 1622 | 2531 | 4054 | 835 | 958 | 1548 |
| Nephrocytium lunatum | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Oocystis sp. | 14 | 8 | 15 | 5 | 8 | 10 | | 1994 | 1080 | 2160 | 748 | 1080 | 1412 |
| Paulschulzia sp. | 0 | 2 | 0 | 0 | 0 | 0 | | 0 | 199 | 0 | 0 | 0 | 0 |
| Scenedesmus sp. | 0 | 0 | 2 | 0 | 0 | 0 | | 0 | 0 | 122 | 0 | 0 | 0 |
| Stichococcus contortus | 0 | 0 | 0 | 0 | 7 | 18 | | 0 | 0 | 0 | 0 | 126 | 316 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| Asterionella formosa | 112 | 91 | 31 | 15 | 6 | 5 | | 31286 | 25389 | 8681 | 4095 | 1638 | 1474 |
| Attheya sp. | 0 | 0 | 0.6 | 0 | 0 | 0 | | 0 | 0 | 176 | 0 | 0 | 0 |
| Aulacoseira granulata | 0 | 0 | 60 | 39 | 61 | 29 | | 0 | 0 | 18498 | 11969 | 19042 | 9068 |
| Aulacoseira granulata var. angustissima | 27 | 30 | 14 | 13 | 6 | 6 | | 7149 | 7757 | 3650 | 3346 | 1521 | 1673 |
| Cyclotella sp. | 13 | 10 | 9 | 6 | 6 | 3 | | 2059 | 1591 | 1404 | 1030 | 936 | 468 |
| Fragilaria crotonensis | 28 | 8 | 13 | 22 | 6 | 4 | | 10053 | 2932 | 4817 | 7958 | 2094 | 1257 |
| Fragilaria sp. | 0 | 0 | 0 | 0 | 10 | 0 | | 0 | 0 | 0 | 0 | 3560 | 0 |
| Lindavia sp. | 5 | 8 | 4 | 4 | 2 | 0.6 | | 3084 | 5012 | 2313 | 2313 | 1157 | 386 |
| Nitzschia sp. | 0 | 0 | 1 | 0.6 | 0.6 | 0.6 | | 0 | 0 | 456 | 228 | 228 | 228 |
| Rhopalodia sp. | 0 | 0 | 0.6 | 0 | 0 | 0 | | 0 | 0 | 293 | 0 | 0 | 0 |
| Rhoicosphenia sp. | 0 | 0 | 0 | 0.6 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Synedra sp. | 19 | 17 | 0.6 | 0 | 0 | 0.6 | | 7606 | 6684 | 230 | 0 | 0 | 230 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| Closteriopsis sp. | 4 | 6 | 4 | 3 | 6 | 3 | | 1271 | 2118 | 1482 | 1059 | 2118 | 1059 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| Dinobryon sp. | 58 | 0 | 1 | 0 | 0 | 0 | | 3417 | 0 | 69 | 0 | 0 | 0 |
| Synura sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| Ceratium sp. | 0 | 0.6 | 0 | 0 | 0 | 0 | | 0 | 16380 | 0 | 0 | 0 | 0 |
| Gonyaulax sp. | 0.6 | 0 | 0 | 0.6 | 0 | 0 | | 1170 | 0 | 0 | 1170 | 0 | 0 |
| Gymnodinium sp. 1 | 0 | 0 | 0.6 | 0 | 0 | 0 | | 0 | 0 | 644 | 0 | 0 | 0 |
| Gymnodinium sp. 2 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Peridinium sp. | 0 | 0 | 0 | 0.6 | 0 | 0 | | 0 | 0 | 0 | 2340 | 0 | 0 |
| Flagellates $5\mu\text{m}$ | | | | | | | | | | | | | |
| Cryptomonas sp. | 0 | 0 | 2 | 0.6 | 0 | 0.6 | | 0 | 0 | 253 | 84 | 0 | 84 |
| Flagellates < $5\mu\text{m}$ /unicells | 249 | 172 | 57 | 17 | 10 | 15 | | 19937 | 13759 | 4540 | 1357 | 796 | 1217 |

| Lake Taupo phytoplankton species composition, cell numbers and biovolume (μm^3) 2017-2018 | | | | | | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| From Site A (Mid Lake) 1/5/2018 | | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | | Surface | 10m | 20m | 50m | 100m | 150m |
| | DK1 | DK2 | DK3 | DK6 | DK11 | DK16 | | DK1 | DK2 | DK3 | DK6 | DK11 | DK16 |
| | 1/05/2018 | 1/05/2018 | 1/05/2018 | 1/05/2018 | 1/05/2018 | 1/05/2018 | | 1/05/2018 | 1/05/2018 | 1/05/2018 | 1/05/2018 | 1/05/2018 | 1/05/2018 |
| | Cell | Cell | Cell | Cell | Cell | Cell | | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume |
| | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Aphanizomenon</i> sp. | 0.5 | 0 | 0 | 0 | 0 | 0 | | 10 | 5 | 2 | 9 | 0 | 3 |
| <i>Aphanocapsa</i> sp. | 1.6 | 0 | 0 | 0 | 0 | 0 | | 14 | 4 | 0 | 0 | 0 | 0 |
| <i>Dolichospermum</i> c.f. <i>lemmermannii</i> (formerly <i>Anabaena</i> c.f. <i>lemmermannii</i>) | 5.0 | 2 | 1 | 0 | 0 | 0 | | 579 | 249 | 160 | 10 | 0 | 0 |
| <i>Dolichospermum circinale</i> | 0.1 | 1 | 0 | 0 | 0 | 0 | | 23 | 109 | 12 | 23 | 0 | 0 |
| <i>Dolichospermum planctonicum</i> | 0.4 | 1 | 0 | 0 | 0 | 0 | | 62 | 224 | 0 | 26 | 75 | 0 |
| <i>Pseudanabaena</i> sp. | 0.0 | 1 | 0 | 0 | 2 | 0 | | 0 | 12 | 0 | 4 | 30 | 6 |
| <i>Woronichinia naegeliana</i> | 0 | 0 | 0 | 0 | 0 | 0.31 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Botryococcus braunii</i> (colonies) | 0 | 0 | 0 | 0 | 0 | 0 | | 2884 | 7541 | 0 | 0 | 0 | 1700 |
| <i>Crucigeniella</i> sp. | 0 | 1 | 0 | 0 | 0 | 0 | | 0 | 76 | 0 | 0 | 0 | 0 |
| <i>Elakatothrix gelatinosa</i> | 0 | 4 | 4 | 0 | 0 | 1 | | 0 | 369 | 369 | 0 | 0 | 123 |
| <i>Eudorina elegans</i> | 0 | 25 | 14 | 0 | 0 | 0 | | 0 | 6290 | 3594 | 0 | 0 | 0 |
| <i>Chlamydocapsa planctonica</i> | 0 | 0 | 9 | 0 | 5 | 2 | | 0 | 0 | 749 | 0 | 374 | 187 |
| <i>Lagerheimia</i> sp. | 2 | 0 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 33 | 23 | 30 | 47 | 11 | 6 | | 1400 | 958 | 1278 | 1990 | 442 | 246 |
| <i>Oocystis</i> sp. | 8 | 6 | 8 | 8 | 1 | 0 | | 1080 | 914 | 1080 | 1080 | 166 | 0 |
| <i>Sphaerocystis Schroeteri</i> | 9 | 8 | 5 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Stichococcus contortus</i> | 0 | 2 | 0 | 0 | 0 | 0 | | 0 | 42 | 0 | 0 | 0 | 0 |
| unidentified Colonial green | 0 | 1 | 1 | 0 | 0 | 0 | | 0 | 44 | 44 | 0 | 0 | 0 |
| <i>Volvox aureus</i> | 0 | 293 | 0 | 0 | 0 | 0 | | 0 | 17550 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 1 | 6 | 5 | 0 | 1 | 1 | | 328 | 1638 | 1310 | 0 | 164 | 328 |
| <i>Aulacoseira granulata</i> | 4 | 6 | 0 | 4 | 12 | 13 | | 1088 | 1814 | 0 | 1269 | 3808 | 3990 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 0 | 0 | 0 | 8 | | 0 | 0 | 0 | 0 | 0 | 1977 |
| <i>Cocconeis</i> | 1 | 0 | 0 | 0 | 0 | 0 | | 306 | 0 | 0 | 0 | 0 | 0 |
| <i>Cyclotella</i> sp. | 8 | 3 | 9 | 3 | 1 | 2 | | 1217 | 468 | 1404 | 468 | 187 | 374 |
| <i>Epithemia</i> sp. | 0 | 0 | 0 | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Fragilaria crotonensis</i> | 47 | 0 | 17 | 0 | 2 | 1 | | 16754 | 0 | 6073 | 0 | 838 | 419 |
| <i>Fragilaria</i> sp. | 0 | 0 | 0 | 6 | 0 | 2 | | 0 | 0 | 0 | 2304 | 0 | 628 |
| <i>Lindavia</i> sp. | 0 | 0 | 0 | 2 | 0 | 1 | | 0 | 0 | 0 | 421 | 0 | 105 |
| <i>Nitzschia</i> sp. | 1 | 1 | 0 | 0 | 0 | 1 | | 456 | 456 | 0 | 0 | 0 | 228 |
| <i>Rhopalodia</i> sp. | 0 | 0 | 0 | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closteriopsis</i> sp. | 1 | 0 | 0 | 2 | 1 | 0 | | 424 | 0 | 0 | 635 | 424 | 0 |
| <i>Staurastrum</i> sp. | 0 | 1 | 0 | 1 | 0 | 0 | | 0 | 807 | 0 | 807 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 53 | 33 | 54 | 2 | 0 | 0 | | 3141 | 1967 | 3175 | 104 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Ceratium</i> sp. | 0 | 0 | 1 | 0 | 0 | 0 | | 0 | 0 | 16380 | 0 | 0 | 0 |
| <i>Gymnodinium</i> sp. | 0 | 0 | 2 | 0 | 0 | 0 | | 0 | 0 | 1931 | 0 | 0 | 0 |
| <i>Peridinium</i> sp. | 2 | 2 | 0 | 0 | 0 | 0 | | 7020 | 7020 | 0 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| <i>Cryptomonas</i> sp. | 0 | 2 | 2 | 3 | 0 | 0 | | 0 | 253 | 253 | 421 | 0 | 0 |
| Flagellates < 5 μm /unicells | 87 | 63 | 53 | 12 | 9 | 4 | | 6926 | 5054 | 4259 | 936 | 749 | 281 |

| Lake Taupo phytoplankton species composition, cell numbers and biovolume (μm^3) 2017-2018 | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| From Site A (Mid Lake) 14/11/2017 | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | Surface | 10m | 20m | 50m | 100m | 150m |
| | QS1 | QS2 | QS3 | QS6 | QS11 | QS16 | QS1 | QS2 | QS3 | QS6 | QS11 | QS16 |
| | 14/11/2017 | 14/11/2017 | 14/11/2017 | 14/11/2017 | 14/11/2017 | 14/11/2017 | 14/11/2017 | 14/11/2017 | 14/11/2017 | 14/11/2017 | 14/11/2017 | 14/11/2017 |
| | Cell | Cell | Cell | Cell | Cell | Cell | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume |
| | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | |
| <i>Aphanizomenon</i> sp. | 0.1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| <i>Dolichospermum</i> c.f <i>lemmermannii</i> (formerly <i>Anabaena</i> c.f <i>lemmermannii</i>) | 3.1 | 12 | 6 | 7 | 2 | 0 | 356 | 1431 | 638 | 836 | 283 | 0 |
| <i>Dolichospermum planctonicum</i> | 0.1 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 |
| <i>Dolichospermum</i> sp. (formerly <i>Anabaena</i> sp.) | 3.0 | 0 | 3 | 0 | 0 | 0 | 456 | 36 | 450 | 0 | 0 | 0 |
| <i>Pseudanabaena</i> sp. | 0.0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 25 |
| Greens (Chlorophyceae) | | | | | | | | | | | | |
| <i>Crucigeniella</i> sp. | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 152 | 0 | 0 | 0 | 0 |
| <i>Elakatothrix gelatinosa</i> | 0 | 1 | 4 | 1 | 1 | 0 | 0 | 123 | 430 | 123 | 61 | 0 |
| <i>Eudorina elegans</i> | 0 | 0 | 9 | 16 | 0 | 0 | 0 | 0 | 2396 | 4193 | 0 | 0 |
| <i>Lagerheimia</i> sp. | 6 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 11 | 8 | 8 | 27 | 4 | 4 | 442 | 344 | 319 | 1155 | 172 | 172 |
| <i>Oocystis</i> sp. | 44 | 37 | 39 | 25 | 4 | 6 | 6230 | 5233 | 5483 | 3489 | 498 | 831 |
| <i>Sphaerocystis schroeteri</i> | 7 | 0 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Stichococcus contortus</i> | 0 | 0 | 0 | 7 | 4 | 2 | 0 | 0 | 0 | 126 | 74 | 32 |
| <i>Tetraedron gracile</i> | 1 | 0 | 1 | 4 | 4 | 2 | 129 | 0 | 64 | 450 | 386 | 257 |
| unidentified Colonial green | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 |
| <i>Volvox aureus</i> | 0 | 0 | 0 | 176 | 0 | 0 | 0 | 0 | 0 | 10530 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 9 | 16 | 16 | 39 | 11 | 5 | 2621 | 4586 | 4586 | 10811 | 3112 | 1310 |
| <i>Aulacoseira granulata</i> | 4 | 36 | 43 | 107 | 94 | 95 | 1088 | 11244 | 13420 | 33187 | 29016 | 29379 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 19 | 11 | 25 | 14 | 34 | 0 | 5019 | 2738 | 6540 | 3650 | 8822 |
| <i>Cyclotella</i> sp. | 1 | 1 | 3 | 3 | 1 | 2 | 187 | 187 | 468 | 468 | 94 | 281 |
| <i>Epithemia</i> sp. | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Fragilaria crotonensis</i> | 53 | 67 | 46 | 35 | 0 | 25 | 18849 | 24084 | 16336 | 12356 | 0 | 8796 |
| <i>Fragilaria</i> sp. | 0 | 0 | 0 | 13 | 0 | 2 | 0 | 0 | 0 | 4817 | 0 | 838 |
| <i>Lindavia</i> sp. | 1 | 2 | 1 | 1 | 0 | 0 | 771 | 1157 | 771 | 386 | 0 | 0 |
| <i>Nitzschia</i> sp. | 2 | 2 | 3 | 2 | 1 | 1 | 684 | 684 | 1141 | 684 | 228 | 228 |
| <i>Rhoicosphenia</i> sp. | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Rhopalodia</i> sp. | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small unknown diatom sp. | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 64 | 0 | 64 |
| <i>Synedra</i> sp. | 2 | 1 | 1 | 2 | 1 | 2 | 691 | 230 | 461 | 691 | 230 | 691 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | |
| <i>Closteriopsis</i> sp. | 1 | 2 | 1 | 4 | 2 | 2 | 212 | 635 | 212 | 1482 | 847 | 635 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 38 | 68 | 63 | 19 | 0 | 0 | 2243 | 4038 | 3728 | 1139 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | |
| <i>Ceratium</i> sp. | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 16380 | 0 | 0 | 0 | 0 |
| <i>Peridinium</i> sp. | 4 | 0 | 0 | 0 | 0 | 0 | 14040 | 0 | 0 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | |
| <i>Cryptomonas</i> sp. | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 168 | 0 | 168 | 84 | 0 |
| Flagellates < 5 μm /unicells | 22 | 41 | 25 | 20 | 10 | 9 | 1778 | 3276 | 1966 | 1638 | 796 | 702 |

Lake Taupo phytoplankton species composition, cell numbers and biovolume (μm^3) 2016-2017
From Site A (Mid Lake) 18/4/2017

| | Surface ZT1 | 10m ZT2 | 20m ZT3 | 50m ZT6 | 100m ZT11 | 150m ZT16 | | Surface ZT1 | 10m ZT2 | 20m ZT3 | 50m ZT6 | 100m ZT11 | 150m ZT16 |
|---|------------------|------------------|------------------|------------------|------------------|------------------|-------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| | 18/04/2017 | 18/04/2017 | 18/04/2017 | 18/04/2017 | 18/04/2017 | 18/04/2017 | | 18/04/2017 | 18/04/2017 | 18/04/2017 | 18/04/2017 | 18/04/2017 | 18/04/2017 |
| | Cell (per ml) | Cell (per ml) | Cell (per ml) | Cell (per ml) | Cell (per ml) | Cell (per ml) | | Biovolume (μm^3) | Biovolume (μm^3) | Biovolume (μm^3) | Biovolume (μm^3) | Biovolume (μm^3) | Biovolume (μm^3) |
| 2016-17 list | | | | | | | | | | | | | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formerly <i>Anabaena c.f. lemmermannii</i>) | 15.9 | 9.8 | 7.1 | 1.4 | 0.0 | 0.0 | 1844 | 1131 | 828 | 162 | 0 | 0 | 0 |
| <i>Dolichospermum planctonicum</i> | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 395 | 0 | 0 | 0 | 0 |
| <i>Aphanizomenon</i> sp. | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| <i>Pseudanabaena</i> sp. | 0.0 | 0.0 | 0.0 | 0.7 | 0.2 | 1.6 | 0 | 0 | 0 | 14 | 5 | 5 | 31 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 13 | 6 | 9 | 30 | 0 | 4 | 565 | 270 | 369 | 1253 | 0 | 0 | 147 |
| <i>Stichococcus contortus</i> | 19 | 20 | 23 | 0 | 4 | 5 | 337 | 358 | 421 | 0 | 63 | 63 | 84 |
| <i>Botryococcus braunii</i> (colonies) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 2509 | 0 | 0 | 0 |
| <i>Crucigeniella</i> sp. | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 228 | 0 | 0 | 0 | 0 |
| <i>Dictyosphaerium</i> | 40 | 32 | 28 | 0 | 0 | 0 | 2188 | 1737 | 1544 | 0 | 0 | 0 | 0 |
| <i>Elakotothrix gelatinosa</i> | 12 | 6 | 11 | 2 | 1 | 0 | 1229 | 676 | 1106 | 184 | 123 | 123 | 0 |
| <i>Oocystis</i> sp. | 43 | 32 | 53 | 7 | 2 | 4 | 6064 | 4569 | 7559 | 997 | 249 | 249 | 581 |
| <i>Scenedesmus</i> sp. | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 122 | 122 | 0 |
| <i>Sphaerocystis schroeteri</i> | 2 | 6 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Tetraedon gracile</i> | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 129 | 129 | 64 | 64 | 0 |
| <i>unidentified Colonial green</i> | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 0 | 5 | 2 | 1 | 0 | 7 | 0 | 1310 | 655 | 328 | 0 | 0 | 1966 |
| <i>Aulacoseira granulata</i> | 0 | 0 | 0 | 0 | 6 | 8 | 0 | 0 | 0 | 0 | 1814 | 1814 | 2539 |
| <i>Cocconeis</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 306 |
| <i>Cyclotella stelligera</i> | 9 | 7 | 14 | 9 | 1 | 2 | 1498 | 1123 | 2246 | 1404 | 187 | 187 | 281 |
| <i>Fragilaria crotonensis</i> | 53 | 54 | 84 | 4 | 4 | 4 | 18849 | 19268 | 30158 | 1466 | 1257 | 1257 | 1257 |
| <i>Nitzschia</i> sp. | 4 | 4 | 8 | 15 | 1 | 1 | 1597 | 1597 | 2966 | 5704 | 456 | 456 | 228 |
| <i>Synedra</i> sp. | 1 | 2 | 1 | 1 | 0 | 0 | 230 | 691 | 230 | 461 | 0 | 0 | 0 |
| <i>Eunotia</i> sp. | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Small unknown diatom</i> sp. | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 64 | 0 | 0 | 64 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closteriopsis</i> sp. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Staurastrum</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 5 | 45 | 12 | 0 | 0 | 0 | 311 | 2658 | 725 | 0 | 0 | 0 | 0 |
| <i>Cryptomonas</i> sp. | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 253 | 0 | 0 | 84 | 84 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 840 | 630 | 0 | 0 | 0 | 0 |
| <i>Gymnodinium</i> sp. 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1287 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Peridinium</i> sp. | 1 | 1 | 1 | 0 | 1 | 0 | 4680 | 2340 | 4680 | 0 | 2340 | 2340 | 0 |
| Flagellates $5\mu\text{m}$ | | | | | | | | | | | | | |
| Flagellates $< 5\mu\text{m}$/unicells | 48 | 40 | 23 | 20 | 8 | 6 | 1679 | 1392 | 819 | 696 | 287 | 287 | 225 |

| Lake Taupo phytoplankton species composition, cell numbers and biovolume (μm^3) 2016-2017 | | | | | | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| From Site A (Mid Lake) 8/12/2016 | | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | | Surface | 10m | 20m | 50m | 100m | 150m |
| | Q11 | Q12 | Q13 | Q16 | Q111 | Q116 | | Q11 | Q12 | Q13 | Q16 | Q111 | Q116 |
| | 8/12/2016 | 8/12/2016 | 8/12/2016 | 8/12/2016 | 8/12/2016 | 8/12/2016 | | 8/12/2016 | 8/12/2016 | 8/12/2016 | 8/12/2016 | 8/12/2016 | 8/12/2016 |
| | Cell | Cell | Cell | Cell | Cell | Cell | | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume |
| | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formerly <i>Anabaena c.f. lemmermannii</i>) | 3.8 | 3.1 | 18.2 | 47.1 | 0.0 | 0.0 | | 443 | 358 | 2114 | 5466 | 0 | 0 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 4 | 19 | 9 | 8 | 3 | 2 | | 182 | 811 | 369 | 319 | 123 | 74 |
| <i>Stichococcus contortus</i> | 2 | 0 | 2 | 0 | 9 | 0 | | 39 | 0 | 32 | 0 | 168 | 0 |
| <i>Botryococcus braunii</i> (colonies) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0 | 0 | 2509 | 0 | 0 | 0 |
| <i>Crucigeniella sp</i> | 0 | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 76 | 0 | 0 |
| <i>Dictyosphaerium</i> | 0 | 0 | 5 | 0 | 0 | 0 | | 0 | 0 | 257 | 0 | 0 | 0 |
| <i>Elakotothrix gelatinosa</i> | 1 | 2 | 1 | 1 | 0 | 0 | | 114 | 246 | 123 | 123 | 0 | 0 |
| <i>Eudorina elegans</i> | 0 | 0 | 9 | 0 | 0 | 0 | | 0 | 0 | 2246 | 0 | 0 | 0 |
| <i>Oocystis sp.</i> | 14 | 22 | 21 | 5 | 3 | 4 | | 1921 | 3074 | 2991 | 665 | 415 | 581 |
| <i>Sphaerocystis Schroeteri</i> | 97 | 100 | 45 | 18 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 32 | 11 | 20 | 52 | 10 | 11 | | 9089 | 3112 | 5569 | 14578 | 2785 | 3112 |
| <i>Aulacoseira granulata</i> | 0 | 8 | 11 | 29 | 13 | 16 | | 0 | 2539 | 3446 | 8886 | 4171 | 5078 |
| <i>Aulacoseira granulata var. angustissima</i> | 0 | 2 | 0 | 6 | 6 | 10 | | 0 | 456 | 0 | 1673 | 1673 | 2586 |
| <i>Cyclotella stelligera</i> | 19 | 19 | 21 | 17 | 7 | 8 | | 3030 | 2995 | 3370 | 2714 | 1123 | 1217 |
| <i>Fragilaria crotonensis</i> | 95 | 3 | 63 | 27 | 19 | 6 | | 34087 | 1047 | 22618 | 9634 | 6702 | 2304 |
| <i>Fragilaria sp.</i> | 0 | 0 | 0 | 0 | 0 | 2 | | 0 | 0 | 0 | 0 | 0 | 838 |
| <i>Nitzschia sp.</i> | 0 | 1 | 1 | 1 | 1 | 0 | | 0 | 456 | 228 | 456 | 228 | 0 |
| Small unknown diatom sp. | 0 | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 64 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closterium aciculare</i> | 0 | 0 | 0 | 0 | 1 | 1 | | 0 | 0 | 0 | 0 | 350 | 701 |
| <i>Closterium acutum var. variable</i> | 0 | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 221 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 39 | 15 | 37 | 0 | 0 | 0 | | 2330 | 863 | 2174 | 0 | 0 | 0 |
| <i>Cryptomonas sp.</i> | 1 | 1 | 2 | 2 | 0 | 0 | | 78 | 168 | 253 | 253 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | | 420 | 210 | 0 | 0 | 0 | 0 |
| <i>Gymnodinium sp. 1</i> | 1 | 0 | 0 | 0 | 0 | 1 | | 595 | 0 | 0 | 0 | 0 | 644 |
| <i>Peridinium sp.</i> | 2 | 0 | 0 | 0 | 0 | 0 | | 6492 | 0 | 0 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 13 | 11 | 27 | 21 | 10 | 8 | | 454 | 369 | 962 | 737 | 348 | 287 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2015-2016 | | | | | | | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---|
| From Site A (Mid Lake) 2/11/2015 | | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | Surface | 10m | 20m | 50m | 100m | 150m | |
| | UK1 | UK2 | UK3 | UK6 | UK11 | UK16 | UK1 | UK2 | UK3 | UK6 | UK11 | UK16 | |
| | 2/11/2015 | 2/11/2015 | 2/11/2015 | 2/11/2015 | 2/11/2015 | 2/11/2015 | 2/11/2015 | 2/11/2015 | 2/11/2015 | 2/11/2015 | 2/11/2015 | 2/11/2015 | |
| | Cell | Cell | Cell | Cell | Cell | Cell | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | |
| | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | 1.7 | 1.0 | 10.8 | 0.0 | 0.0 | 0.0 | 194 | 115 | 0 | 0 | 0 | 0 | 0 |
| <i>Dolichospermum sp.</i> | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0 | 0 | 0 | 0 | 61 | 0 | 0 |
| <i>Aphanocapsa sp.</i> | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0 | 0 | 0 | 0 | 0 | 14 | 0 |
| <i>Snowella sp.</i> | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 1.2 | 0 | 4 | 0 | 0 | 0 | 30 | 0 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 49 | 51 | 32 | 62 | 38 | 39 | 2068 | 2138 | 1351 | 2604 | 1597 | 1646 | 0 |
| <i>Stichococcus contortus</i> | 2 | 1 | 0 | 0 | 6 | 0 | 39 | 21 | 0 | 0 | 105 | 0 | 0 |
| <i>Botryococcus braunii</i> (colonies) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 2509 | 0 | 2509 | 0 | 0 | 0 |
| <i>Crucigeniella sp.</i> | 3 | 5 | 2 | 4 | 5 | 1 | 211 | 304 | 152 | 228 | 304 | 76 | 0 |
| <i>Dictyosphaerium</i> | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 129 | 0 | 0 | 0 | 0 | 0 |
| <i>Elakotothrix gelatinosa</i> | 3 | 6 | 1 | 3 | 0 | 0 | 341 | 676 | 123 | 307 | 0 | 0 | 0 |
| <i>Eudorina elegans</i> | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 3145 | 0 | 0 | 0 | 0 | 0 |
| <i>Oocystis sp.</i> | 22 | 16 | 13 | 12 | 5 | 6 | 3073 | 2243 | 1828 | 1661 | 748 | 914 | 0 |
| <i>Scenedesmus sp.</i> | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 243 | 0 | 0 |
| <i>Sphaerocystis Schroeteri</i> | 0 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Asterionella formosa</i> | 11 | 6 | 5 | 20 | 8 | 5 | 3030 | 1802 | 1310 | 5569 | 2129 | 1310 | 0 |
| <i>Aulacoseira granulata</i> | 27 | 22 | 18 | 33 | 75 | 52 | 8218 | 6891 | 5622 | 10156 | 23213 | 16140 | 0 |
| <i>Aulacoseira granulata var. angustissima</i> | 4 | 5 | 24 | 15 | 2 | 2 | 985 | 1369 | 6236 | 3803 | 608 | 608 | 0 |
| <i>Aulacoseria sp.</i> | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Cyclotella stelligera</i> | 4 | 6 | 6 | 8 | 10 | 9 | 692 | 936 | 936 | 1217 | 1591 | 1404 | 0 |
| <i>Fragilaria crotonensis</i> | 0 | 34 | 0 | 7 | 9 | 17 | 0 | 12147 | 0 | 2513 | 3351 | 6073 | 0 |
| <i>Fragilaria sp.</i> | 1 | 0 | 1 | 0 | 0 | 0 | 387 | 0 | 209 | 0 | 0 | 0 | 0 |
| <i>Nitzschia sp.</i> | 0 | 0 | 0 | 4 | 2 | 1 | 0 | 0 | 0 | 1597 | 913 | 228 | 0 |
| <i>Synedra sp.</i> | 1 | 0 | 0 | 0 | 2 | 2 | 213 | 0 | 0 | 0 | 691 | 691 | 0 |
| <i>Amphora sp.</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 306 | 0 |
| <i>Eunotia sp.</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small unknown diatom sp. | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 129 | 64 | 64 | 0 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closterium acutum var. variable</i> | 1 | 0 | 1 | 0 | 0 | 1 | 204 | 0 | 221 | 0 | 0 | 441 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 52 | 46 | 21 | 12 | 0 | 0 | 3096 | 2727 | 1243 | 725 | 0 | 0 | 0 |
| <i>Cryptomonas sp.</i> | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 84 | 168 | 253 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 420 | 0 | 0 | 0 |
| <i>Gymnodinium sp. 1</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 644 | 0 |
| <i>Peridinium sp.</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2340 | 0 | 0 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 42 | 42 | 42 | 26 | 6 | 7 | 1458 | 1474 | 1474 | 921 | 225 | 246 | 0 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2014-2015 | | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| From Site A (Mid Lake) 25/4/2015 | | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | | Surface | 10m | 20m | 50m | 100m | 150m |
| | JS1 | JS2 | JS3 | JS6 | JS11 | JS16 | | JS1 | JS2 | JS3 | JS6 | JS11 | JS16 |
| | 22/04/2015 | 22/04/2015 | 22/04/2015 | 22/04/2015 | 22/04/2015 | 22/04/2015 | | 22/04/2015 | 22/04/2015 | 22/04/2015 | 22/04/2015 | 22/04/2015 | 22/04/2015 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formerly <i>Anabaena c.f. lemmermannii</i>) | 7.9 | 9.8 | 1.1 | 0.5 | 0.0 | 0.2 | | 913 | 1131 | 0 | 58 | 5 | 27 |
| <i>Leptolyngbya</i> sp. | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | | 0 | 0 | 73 | 0 | 0 | 0 |
| <i>Dolichospermum</i> sp. | 6.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | | 1101 | 53 | 0 | 0 | 0 | 0 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 7 | 11 | 13 | 63 | 23 | 6 | | 295 | 467 | 565 | 2654 | 983 | 246 |
| <i>Stichococcus contortus</i> | 0 | 14 | 9 | 16 | 9 | 0 | | 0 | 253 | 168 | 295 | 168 | 0 |
| <i>Botryococcus braunii</i> (colonies) | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0 | 0 | 0 | 18152 | 18152 | 0 |
| <i>Chlamydomonas</i> sp. | 0 | 0 | 1 | 0 | 1 | 1 | | 0 | 0 | 246 | 0 | 123 | 123 |
| <i>Crucigeniella</i> sp. | 0 | 1 | 0 | 2 | 1 | 0 | | 0 | 76 | 0 | 152 | 76 | 0 |
| <i>Elakatothrix gelatinosa</i> | 5 | 1 | 1 | 0 | 0 | 0 | | 553 | 123 | 123 | 0 | 0 | 0 |
| <i>Eudorina elegans</i> | 6 | 0 | 14 | 0 | 0 | 0 | | 1647 | 0 | 3594 | 0 | 0 | 0 |
| <i>Oocystis</i> sp. | 10 | 5 | 5 | 9 | 2 | 2 | | 1412 | 748 | 665 | 1246 | 332 | 332 |
| <i>Sphaerocystis schroeteri</i> | 19 | 5 | 5 | 15 | 12 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| unidentified Colonial green | 0 | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 0 | 4 | 0 | 16 | 10 | 22 | | 0 | 1147 | 0 | 4423 | 2785 | 6224 |
| <i>Aulacoseira granulata</i> | 0 | 6 | 7 | 2 | 6 | 22 | | 0 | 1814 | 2176 | 725 | 1995 | 6891 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 0 | 0 | 0 | 9 | | 0 | 0 | 0 | 0 | 0 | 2434 |
| <i>Cocconeis</i> | 0 | 0 | 0 | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 612 |
| <i>Cyclotella stelligera</i> | 2 | 1 | 3 | 1 | 2 | 10 | | 374 | 187 | 468 | 187 | 281 | 1591 |
| <i>Fragilaria crotonensis</i> | 2 | 0 | 0 | 0 | 0 | 4 | | 838 | 0 | 0 | 0 | 0 | 1466 |
| <i>Fragilaria</i> sp. | 0 | 15 | 0 | 0 | 0 | 0 | | 0 | 5236 | 0 | 0 | 0 | 0 |
| <i>Nitzschia</i> sp. | 6 | 4 | 5 | 0 | 3 | 2 | | 2510 | 1369 | 2053 | 0 | 1141 | 913 |
| <i>Synedra</i> sp. | 0 | 0 | 1 | 4 | 4 | 1 | | 0 | 0 | 230 | 1383 | 1383 | 461 |
| <i>Amphora</i> sp. | 1 | 0 | 0 | 0 | 0 | 0 | | 306 | 0 | 0 | 0 | 0 | 0 |
| Small unknown diatom sp. | 1 | 0 | 1 | 1 | 1 | 0 | | 64 | 0 | 129 | 64 | 64 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closterium acutum</i> var. <i>variable</i> | 1 | 0 | 0 | 2 | 3 | 1 | | 221 | 0 | 0 | 662 | 1103 | 441 |
| <i>Staurastrum</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 14 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 0 | 5 | 0 | 0 | 0 | 0 | | 0 | 276 | 0 | 0 | 0 | 0 |
| <i>Cryptomonas</i> sp. | 0 | 0 | 1 | 3 | 1 | 1 | | 0 | 0 | 168 | 421 | 84 | 84 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 210 | 210 | 0 | 0 | 0 |
| <i>Gymnodinium</i> sp. 1 | 3 | 2 | 3 | 1 | 1 | 0 | | 3218 | 2574 | 3218 | 1287 | 644 | 0 |
| <i>Gymnodinium</i> sp. 2 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Peridinium</i> sp. | 4 | 2 | 6 | 7 | 0 | 0 | | 16380 | 7020 | 25740 | 28080 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 35 | 26 | 30 | 43 | 13 | 15 | | 1229 | 921 | 1044 | 1495 | 471 | 512 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2014-2015 | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| From Site A (Mid Lake) 25/11/2014 | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | Surface | 10m | 20m | 50m | 100m | 150m |
| | CK1 | CK2 | CK3 | CK6 | CK11 | CK16 | CK1 | CK2 | CK3 | CK6 | CK11 | CK16 |
| | 25/11/2014 | 25/11/2014 | 25/11/2014 | 25/11/2014 | 25/11/2014 | 25/11/2014 | 25/11/2014 | 25/11/2014 | 25/11/2014 | 25/11/2014 | 25/11/2014 | 25/11/2014 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formerly <i>Anabaena c.f. lemmermannii</i>) | 11.9 | 30.5 | 33.3 | 10.4 | 0.0 | 0.0 | 1379 | 3543 | 3863 | 1211 | 0 | 0 |
| Greens (Chlorophyceae) | | | | | | | | | | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 11 | 15 | 14 | 22 | 13 | 13 | 477 | 614 | 590 | 909 | 541 | 541 |
| <i>Stichococcus contortus</i> | 4 | 2 | 0 | 27 | 13 | 9 | 78 | 42 | 0 | 484 | 242 | 168 |
| <i>Botryococcus braunii</i> (colonies) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 18152 | 18152 | |
| <i>Crucigeniella sp</i> | 2 | 0 | 4 | 1 | 2 | 2 | 141 | 0 | 228 | 76 | 152 | 152 |
| <i>Elakathrix gelatinosa</i> | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 307 | 123 | 0 | 0 | 0 |
| <i>Eudorina elegans</i> | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1198 | 0 | 0 | 0 |
| <i>Oocystis sp.</i> | 9 | 8 | 7 | 6 | 5 | 1 | 1306 | 1163 | 997 | 831 | 748 | 166 |
| <i>Scenedesmus sp.</i> | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 243 | 0 | 0 | 0 |
| <i>Sphaerocystis Schroeteri</i> | 23 | 26 | 17 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 8 | 16 | 13 | 11 | 3 | 2 | 2121 | 4586 | 3767 | 2948 | 819 | 655 |
| <i>Aulacoseira granulata</i> | 0 | 14 | 14 | 41 | 40 | 72 | 0 | 4352 | 4352 | 12695 | 12332 | 22306 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 2 | 22 | 7 | 0 | 3 | 7 | 563 | 5780 | 1825 | 0 | 761 | 1825 |
| <i>Cocconeis</i> | 1 | 0 | 1 | 1 | 1 | 0 | 283 | 0 | 306 | 306 | 306 | 0 |
| <i>Cyclotella stelligera</i> | 3 | 13 | 11 | 6 | 6 | 6 | 519 | 2153 | 1778 | 936 | 1030 | 936 |
| <i>Fragilaria crotonensis</i> | 22 | 36 | 93 | 16 | 4 | 10 | 7941 | 12775 | 33299 | 5864 | 1257 | 3560 |
| <i>Nitzschia sp.</i> | 2 | 3 | 1 | 0 | 1 | 1 | 633 | 1141 | 456 | 0 | 228 | 228 |
| <i>Synedra sp.</i> | 1 | 1 | 1 | 2 | 1 | 1 | 213 | 230 | 461 | 922 | 230 | 461 |
| <i>Amphora sp.</i> | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1224 | 306 | 0 | 0 | 0 |
| <i>Eunotia sp.</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small unknown diatom sp. | 2 | 2 | 1 | 4 | 1 | 2 | 179 | 257 | 129 | 386 | 129 | 193 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | |
| <i>Closterium acutum</i> var. <i>variable</i> | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 441 | 221 | 441 |
| <i>Cerasterias staurastroides</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 101 | 145 | 82 | 11 | 0 | 0 | 5969 | 8560 | 4832 | 656 | 0 | 0 |
| <i>Cryptomonas sp.</i> | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 253 | 253 | 84 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210 | 420 | 0 | 0 | 0 |
| <i>Gymnodinium sp. 1</i> | 1 | 0 | 0 | 1 | 0 | 1 | 1190 | 0 | 0 | 1287 | 0 | 644 |
| <i>Gymnodinium sp. 2</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Peridinium sp.</i> | 3 | 2 | 2 | 0 | 1 | 0 | 10820 | 9360 | 9360 | 0 | 2340 | 0 |
| Flagellates 5μm | | | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 15 | 36 | 28 | 26 | 5 | 8 | 530 | 1269 | 983 | 901 | 164 | 266 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2013-2014 | | | | | | | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------|
| From Site A (Mid Lake) 9/04/2014 | | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | Surface | 10m | 20m | 50m | 100m | 150m | |
| | RQ1 | RQ2 | RQ3 | RQ6 | RQ11 | RQ16 | RQ1 | RQ2 | RQ3 | RQ6 | RQ11 | RQ16 | |
| | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 | 9/04/2014 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | μm^3 | μm^3 | μm^3 | μm^3 | μm^3 | μm^3 | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | 15.3 | 18.7 | 24.2 | 2.2 | 0.0 | 0.4 | 1778 | 2174 | 2805 | 260 | 0 | 45 | |
| <i>Pseudanabaena sp.</i> | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0 | 0 | 0 | 0 | 0 | 64 | |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 1 | 3 | 1 | 31 | 4 | 1 | 45 | 123 | 49 | 1302 | 172 | 25 | |
| <i>Stichococcus contortus</i> | 0 | 0 | 0 | 7 | 9 | 0 | 0 | 0 | 0 | 126 | 168 | 0 | |
| <i>Botryococcus braunii (colonies)</i> | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22337 | 0 | 0 | 0 | 0 | 0 | |
| <i>Crucigeniella sp</i> | 2 | 0 | 2 | 2 | 1 | 0 | 141 | 0 | 152 | 152 | 76 | 0 | |
| <i>Dictyosphaerium</i> | 6 | 0 | 3 | 0 | 0 | 0 | 357 | 0 | 161 | 0 | 0 | 0 | |
| <i>Elakotothrix gelatinosa</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 123 | 0 | 0 | 0 | |
| <i>Oocystis sp.</i> | 9 | 12 | 11 | 6 | 1 | 2 | 1229 | 1661 | 1578 | 831 | 83 | 332 | |
| <i>Sphaerocystis Schroeteri</i> | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 0 | 2 | 0 | 12 | 3 | 5 | 0 | 655 | 0 | 3440 | 819 | 1310 | |
| <i>Aulacoseira granulata</i> | 0 | 0 | 5 | 4 | 5 | 4 | 0 | 0 | 1451 | 1269 | 1451 | 1269 | |
| <i>Aulacoseira granulata var. angustissima</i> | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 761 | |
| <i>Cyclotella stelligera</i> | 3 | 5 | 5 | 5 | 1 | 0 | 433 | 842 | 842 | 749 | 94 | 0 | |
| <i>Fragilaria crotonensis</i> | 75 | 87 | 207 | 104 | 21 | 30 | 26921 | 31205 | 73929 | 37279 | 7539 | 10681 | |
| <i>Fragilaria sp.</i> | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 2094 | 0 | 0 | |
| <i>Nitzschia sp.</i> | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 456 | 228 | 0 | 0 | 0 | |
| <i>Small unknown diatom sp.</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closterium acutum var. variable</i> | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 882 | 221 | 0 | |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 17 | 0 | 11 | 0 | 0 | 0 | 989 | 0 | 621 | 0 | 0 | 0 | |
| <i>Cryptomonas sp.</i> | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 84 | 84 | 0 | 0 | |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 210 | 0 | 0 | 0 | |
| <i>Gymnodinium sp. 1</i> | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1287 | 1931 | 0 | 0 | 0 | |
| <i>Gymnodinium sp. 2</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Peridinium sp.</i> | 1 | 0 | 1 | 1 | 0 | 0 | 4328 | 0 | 2340 | 2340 | 0 | 0 | |
| Flagellates $5\mu\text{m}$ | | | | | | | | | | | | | |
| <i>Flagellates < 5μm/unicells</i> | 24 | 29 | 37 | 17 | 9 | 9 | 833 | 1003 | 1290 | 594 | 328 | 328 | |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2013-2014 | | | | | | | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| From Site A (Mid Lake) 7/11/2013 | | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | | Surface | 10m | 20m | 50m | 100m | 150m |
| | JK1 | JK2 | JK3 | JK6 | JK11 | JK16 | | JK1 | JK2 | JK3 | JK6 | JK11 | JK16 |
| | 7/11/2013 | 7/11/2013 | 7/11/2013 | 7/11/2013 | 7/11/2013 | 7/11/2013 | | 7/11/2013 | 7/11/2013 | 7/11/2013 | 7/11/2013 | 7/11/2013 | 7/11/2013 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | 19.4 | 31.6 | 31.7 | 0.1 | 0.0 | 0.0 | | 2249 | 3670 | 3680 | 48 | 0 | 0 |
| <i>Pseudanabaena sp.</i> | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 2.3 | | 0 | 0 | 0 | 0 | 35 | 44 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 18 | 9 | 14 | 5 | 5 | 11 | | 750 | 393 | 590 | 221 | 221 | 467 |
| <i>Stichococcus contortus</i> | 8 | 9 | 0 | 5 | 13 | 9 | | 136 | 168 | 0 | 84 | 232 | 168 |
| <i>Botryococcus braunii (colonies)</i> | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | | 0 | 0 | 18152 | 18152 | 0 | 0 |
| <i>Chlamydomonas sp.</i> | 0 | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 123 | 0 | 0 |
| <i>Dictyosphaerium</i> | 0 | 9 | 0 | 0 | 0 | 0 | | 0 | 515 | 0 | 0 | 0 | 0 |
| <i>Eudorina elegans</i> | 0 | 0 | 0 | 0 | 0 | 0 | | 20 | 0 | 0 | 0 | 0 | 0 |
| <i>Oocystis sp.</i> | 13 | 25 | 13 | 10 | 3 | 5 | | 1844 | 3572 | 1828 | 1412 | 415 | 748 |
| <i>Scenedesmus sp.</i> | 0 | 0 | 5 | 5 | 0 | 5 | | 0 | 0 | 243 | 243 | 0 | 243 |
| <i>Sphaerocystis Schroeteri</i> | 35 | 46 | 60 | 25 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Tetraedon gracile</i> | 1 | 1 | 0 | 1 | 0 | 0 | | 60 | 129 | 0 | 64 | 0 | 0 |
| <i>Volvox aureus</i> | 0 | 4 | 0 | 0 | 0 | 0 | | 0 | 216 | 0 | 0 | 0 | 0 |
| <i>unidentified Colonial green</i> | 14 | 9 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 29 | 22 | 40 | 5 | 6 | 0 | | 8028 | 6061 | 11302 | 1474 | 1638 | 0 |
| <i>Aulacoseira granulata</i> | 29 | 27 | 17 | 85 | 39 | 43 | | 8889 | 8523 | 5259 | 26477 | 12150 | 13420 |
| <i>Aulacoseira granulata var. angustissima</i> | 2 | 0 | 6 | 13 | 11 | 13 | | 422 | 0 | 1673 | 3346 | 2890 | 3346 |
| <i>Cyclotella stelligera</i> | 4 | 4 | 6 | 11 | 5 | 11 | | 606 | 562 | 936 | 1685 | 749 | 1778 |
| <i>Fragilaria crotonensis</i> | 58 | 57 | 28 | 27 | 1 | 4 | | 20724 | 20524 | 10053 | 9843 | 419 | 1257 |
| <i>Fragilaria sp.</i> | 0 | 16 | 0 | 0 | 7 | 0 | | 0 | 5864 | 0 | 0 | 2513 | 0 |
| <i>Nitzschia sp.</i> | 5 | 11 | 1 | 2 | 1 | 1 | | 1899 | 4335 | 456 | 913 | 456 | 228 |
| <i>Synedra sp.</i> | 1 | 0 | 1 | 2 | 1 | 0 | | 426 | 0 | 230 | 922 | 230 | 0 |
| <i>Eunotia sp.</i> | 0 | 0 | 1 | 1 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Small unknown diatom sp.</i> | 2 | 2 | 1 | 0 | 1 | 0 | | 179 | 193 | 129 | 0 | 64 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closterium acutum var. variable</i> | 3 | 2 | 1 | 1 | 1 | 2 | | 1224 | 662 | 441 | 441 | 441 | 662 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 38 | 21 | 0 | 0 | 0 | 0 | | 2234 | 1243 | 0 | 0 | 0 | 0 |
| <i>Cryptomonas sp.</i> | 0 | 2 | 5 | 4 | 1 | 2 | | 0 | 337 | 674 | 505 | 168 | 253 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 210 | 210 | 420 | 0 | 0 |
| <i>Gymnodinium sp. 1</i> | 0 | 2 | 1 | 1 | 0 | 0 | | 0 | 2574 | 644 | 644 | 0 | 0 |
| <i>Peridinium sp.</i> | 8 | 4 | 4 | 1 | 1 | 0 | | 32460 | 16380 | 14040 | 2340 | 2340 | 0 |
| Flagellates $5\mu\text{m}$ | | | | | | | | | | | | | |
| <i>Flagellates < 5μm/unicells</i> | 48 | 49 | 54 | 15 | 6 | 8 | | 1685 | 1720 | 1884 | 532 | 225 | 287 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2012-2013 | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| From Site A (Mid Lake) 22/04/2013 | | | | | | | | | | |
| | Surface | 10m | 50m | 100m | 150m | Surface | 10m | 50m | 100m | 150m |
| | ZE1 | ZE2 | ZE6 | ZE11 | ZE16 | ZE1 | ZE2 | ZE6 | ZE11 | ZE16 |
| | 22/04/2013 | 22/04/2013 | 22/04/2013 | 22/04/2013 | 22/04/2013 | 22/04/2013 | 22/04/2013 | 22/04/2013 | 22/04/2013 | 22/04/2013 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | μm^3 | μm^3 | μm^3 | μm^3 | μm^3 |
| Blue greens (Cyanophyceae) | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | 25.6 | 26.4 | 5.6 | 5.6 | 2.0 | 2968 | 3065 | 645 | 644 | 226 |
| <i>Aphanocapsa</i> sp. | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0 | 0 | 0 | 0 | 11 |
| <i>Phormidium</i> sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0 | 0 | 0 | 0 | 5 |
| <i>Pseudanabaena</i> sp. | 0.3 | 0.0 | 0.0 | 0.0 | 2.4 | 5 | 0 | 0 | 0 | 45 |
| Greens (Chlorophyceae) | | | | | | | | | | |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 147 | 49 | 49 |
| <i>Stichococcus contortus</i> | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 32 |
| <i>Elakotothrix gelatinosa</i> | 8 | 5 | 0 | 0 | 1 | 795 | 491 | 0 | 0 | 61 |
| <i>Oocystis</i> sp. | 17 | 23 | 5 | 4 | 2 | 2458 | 3240 | 748 | 581 | 332 |
| <i>Volvox aureus</i> | 0 | 10 | 0 | 0 | 0 | 0 | 570 | 0 | 0 | 0 |
| unidentified Colonial green | 0 | 0 | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | |
| <i>Asterionella formosa</i> | 0 | 0 | 8 | 0 | 2 | 0 | 0 | 2293 | 0 | 491 |
| <i>Aulacoseira granulata</i> | 3 | 6 | 1 | 6 | 8 | 1006 | 1995 | 363 | 1995 | 2539 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 4 | 6 | 1 | 0 | 0 | 913 | 1673 | 304 |
| <i>Aulacoseria</i> sp. | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Cocconeis</i> | 1 | 0 | 0 | 0 | 1 | 283 | 0 | 0 | 0 | 306 |
| <i>Cyclotella stelligera</i> | 0 | 1 | 2 | 1 | 1 | 0 | 94 | 281 | 187 | 94 |
| <i>Fragilaria crotonensis</i> | 15 | 11 | 2 | 19 | 5 | 5423 | 3770 | 838 | 6911 | 1675 |
| <i>Fragilaria</i> sp. | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 3141 | 0 | 0 |
| <i>Nitzschia</i> sp. | 2 | 4 | 1 | 1 | 1 | 844 | 1369 | 456 | 228 | 456 |
| <i>Synedra</i> sp. | 0 | 1 | 0 | 0 | 1 | 0 | 230 | 0 | 0 | 230 |
| <i>Amphora</i> sp. | 0 | 1 | 1 | 0 | 1 | 0 | 306 | 612 | 0 | 306 |
| Small unknown diatom sp. | 2 | 1 | 1 | 0 | 1 | 179 | 129 | 129 | 0 | 64 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | |
| <i>Closterium acutum</i> var. <i>variable</i> | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 221 | 441 | 221 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 88 | 61 | 0 | 1 | 0 | 5171 | 3624 | 0 | 69 | 0 |
| <i>Cryptomonas</i> sp. | 1 | 4 | 3 | 1 | 0 | 156 | 590 | 421 | 84 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 420 | 210 | 210 |
| <i>Gymnodinium</i> sp. 1 | 1 | 0 | 0 | 0 | 0 | 1190 | 0 | 0 | 0 | 0 |
| <i>Peridinium</i> sp. | 2 | 2 | 0 | 0 | 1 | 8656 | 9360 | 0 | 0 | 2340 |
| Flagellates $5\mu\text{m}$ | | | | | | | | | | |
| Flagellates $< 5\mu\text{m}$ /unicells | 31 | 42 | 16 | 8 | 9 | 1079 | 1474 | 553 | 266 | 307 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2012-2013 | | | | | | | | | | | | | |
|---|----------------|------------|------------|------------|--------------|--------------|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| From Site A (Mid Lake) 24/10/2012 | | | | | | | | | | | | | |
| | Surface RF1 | 10m RF2 | 20m RF3 | 50m RF6 | 100m RF11 | 150m RF16 | | Surface RF1 | 10m RF2 | 20m RF3 | 50m RF6 | 100m RF11 | 150m RF16 |
| | 24/10/2012 | 24/10/2012 | 24/10/2012 | 24/10/2012 | 24/10/2012 | 24/10/2012 | | 24/10/2012 | 24/10/2012 | 24/10/2012 | 24/10/2012 | 24/10/2012 | 24/10/2012 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 | Biovolume μm^3 |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | 31.1 | 38.8 | 20.9 | 15.0 | 4.1 | 2.7 | | 3610 | 4501 | 2429 | 1735 | 473 | 312 |
| <i>Aphanocapsa sp.</i> | 1.5 | 0.9 | 0.0 | 1.6 | 2.4 | 2.5 | | 13 | 8 | 0 | 15 | 22 | 23 |
| <i>Pseudanabaena sp.</i> | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 12.8 | | 0 | 0 | 0 | 0 | 28 | 242 |
| Greens (Chlorophyceae) | | | 0 | | | | | | | 0 | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 21 | 29 | 5 | 15 | 14 | 9 | | 863 | 1229 | 197 | 614 | 590 | 393 |
| <i>Stichococcus contortus</i> | 2 | 0 | 5 | 0 | 0 | 0 | | 29 | 0 | 84 | 0 | 0 | 0 |
| <i>Botryococcus braunii (colonies)</i> | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 58590 | 0 | 0 | 51006 | 0 | 0 |
| <i>Crucigeniella sp</i> | 4 | 0 | 0 | 0 | 0 | 0 | | 281 | 0 | 0 | 0 | 0 | 0 |
| <i>Elakotothrix gelatinosa</i> | 2 | 2 | 2 | 6 | 2 | 0 | | 227 | 184 | 246 | 614 | 246 | 0 |
| <i>Eudorina elegans</i> | 0 | 29 | 13 | 9 | 20 | 0 | | 10 | 7488 | 3295 | 2396 | 5092 | 0 |
| <i>Nephrocytium lunatum</i> | 0 | 0 | 0 | 0 | 0 | 2 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Oocytis sp.</i> | 5 | 11 | 5 | 17 | 4 | 5 | | 768 | 1495 | 748 | 2409 | 581 | 748 |
| <i>Scenedesmus sp.</i> | 0 | 5 | 0 | 0 | 0 | 0 | | 0 | 243 | 0 | 0 | 0 | 0 |
| <i>Westella botryoides</i> | 0 | 32 | 23 | 27 | 25 | 0 | | 8 | 2053 | 1521 | 1749 | 1635 | 0 |
| <i>unidentified Colonial green</i> | 6 | 4 | 0 | 6 | 5 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 104 | 101 | 147 | 85 | 107 | 122 | | 29236 | 28337 | 41114 | 23915 | 29975 | 34234 |
| <i>Aulacoseira granulata</i> | 0 | 46 | 105 | 74 | 95 | 84 | | 0 | 14327 | 32643 | 23031 | 29560 | 25933 |
| <i>Aulacoseira granulata var. angustissima</i> | 13 | 32 | 16 | 40 | 14 | 4 | | 3376 | 8366 | 4107 | 10495 | 3650 | 913 |
| <i>Cyclotella stelligera</i> | 6 | 4 | 2 | 7 | 5 | 10 | | 952 | 562 | 374 | 1123 | 842 | 1591 |
| <i>Fragilaria sp.</i> | 0 | 1 | 0 | 0 | 0 | 0 | | 0 | 209 | 0 | 0 | 0 | 0 |
| <i>Nitzschia sp.</i> | 0 | 0 | 1 | 1 | 1 | 2 | | 0 | 0 | 228 | 228 | 456 | 913 |
| <i>Closterium acutum var. variable</i> | 1 | 1 | 0 | 1 | 1 | 0 | | 204 | 221 | 0 | 221 | 221 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 34 | 39 | 34 | 50 | 6 | 16 | | 2011 | 2313 | 2002 | 2968 | 380 | 966 |
| <i>Cryptomonas sp.</i> | 0 | 0 | 0 | 2 | 1 | 0 | | 0 | 0 | 0 | 337 | 84 | 0 |
| Dinoflagellates (Dinophyceae) | | | 0 | | | | | | | 0 | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 420 | 0 | 210 | 420 | 0 |
| <i>Gymnodinium sp. 2</i> | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 200 | 1600 | 400 | 2400 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| Flagellates < 5μm/unicells | 28 | 147 | 148 | 109 | 68 | 82 | | 985 | 5160 | 5180 | 3808 | 2396 | 2867 |

Lake Taupo phytoplankton species composition and biovolume (μm^3) 2011-2012

From Site A (Mid Lake) 10/04/2012

| | Surface | 10m | 50m | 100m | 150m | | Surface | 10m | 50m | 100m | 150m |
|---|------------|------------|------------|------------|------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| | HC1 | HC2 | HC6 | HC11 | HC16 | | HC1 | HC2 | HC6 | HC11 | HC16 |
| | 10/04/2012 | 10/04/2012 | 10/04/2012 | 10/04/2012 | 10/04/2012 | | 10/04/2012 | 10/04/2012 | 10/04/2012 | 10/04/2012 | 10/04/2012 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | | μm^3 | μm^3 | μm^3 | μm^3 | μm^3 |
| Blue greens (Cyanophyceae) | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | 16.66 | 5.5 | 0.8 | 0 | 0.3 | | 1933 | 636 | 92 | 0 | 32 |
| <i>Anabaena planktonica</i> | 0 | 0 | 1.1 | 0 | 0 | | 0 | 0 | 439 | 0 | 0 |
| <i>Anabaena sp.</i> | 0 | 0 | 0 | 0 | 0.6 | | 0 | 0 | 0 | 0 | 51 |
| <i>Snowella sp.</i> | 0 | 0 | 0.2 | 0.1 | 0 | | 0 | 0 | 5 | 3 | 0 |
| <i>Phormidium sp.</i> | 0 | 0 | 0.7 | 0 | 0.1 | | 0 | 0 | 14 | 0 | 3 |
| <i>Aphanothece sp.</i> | 0 | 0.7 | 0 | 0 | 0 | | 0 | 6 | 0 | 0 | 0 |
| <i>Pseudanabaena sp.</i> | 2.8 | 0 | 0 | 0 | 0.2 | | 54 | 0 | 0 | 0 | 3 |
| Greens (Chlorophyceae) | | | | | | | | | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 49 | 45 | 35 | 3 | 4 | | 2039 | 1892 | 1474 | 123 | 147 |
| <i>Botryococcus braunii (colonies)</i> | 0 | 0 | 0 | 0 | 0 | | 0 | 38315 | 0 | 0 | 0 |
| <i>Dictyosphaerium</i> | 0 | 0 | 0 | 0 | 0 | | 0 | 10 | 7 | 0 | 0 |
| <i>Elakotothrix gelatinosa</i> | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 123 | 0 | 0 |
| <i>Eudorina elegans</i> | 0 | 4 | 0 | 0 | 0 | | 0 | 899 | 0 | 0 | 0 |
| <i>Nephrocytium lunatum</i> | 0 | 2 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 |
| <i>Oocystis sp.</i> | 7 | 8 | 6 | 0 | 1 | | 997 | 1163 | 831 | 0 | 166 |
| <i>Scenedesmus sp.</i> | 0 | 0 | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 61 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 8 | 0 | 9 | 3 | 4 | | 2293 | 0 | 2457 | 819 | 1147 |
| <i>Aulacoseira granulata</i> | 0 | 0 | 9 | 0 | 15 | | 0 | 0 | 2720 | 0 | 4534 |
| <i>Aulacoseira granulata var. angustissima</i> | 0 | 4 | 0 | 2 | 17 | | 0 | 1065 | 0 | 608 | 4411 |
| <i>Cyclotella stelligera</i> | 1 | 0 | 1 | 0 | 1 | | 94 | 0 | 187 | 0 | 187 |
| <i>Fragilaria crotonensis</i> | 47 | 111 | 13 | 31 | 41 | | 16754 | 39792 | 4817 | 11100 | 14660 |
| <i>Nitzschia sp.</i> | 8 | 10 | 18 | 6 | 8 | | 2966 | 3879 | 7073 | 2282 | 2966 |
| <i>Synedra sp.</i> | 1 | 0 | 0 | 0 | 0 | | 230 | 0 | 46 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | |
| <i>Closterium aciculare</i> | 0 | 0 | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 350 |
| <i>Closterium acutum var. variable</i> | 1 | 1 | 1 | 2 | 1 | | 221 | 221 | 221 | 662 | 441 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 11 | 20 | 5 | 0 | 0 | | 621 | 1208 | 276 | 0 | 0 |
| <i>Cryptomonas sp.</i> | 0 | 1 | 1 | 0 | 0 | | 0 | 168 | 168 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | |
| <i>Gymnodinium sp. 1</i> | 1 | 2 | 0 | 0 | 0 | | 644 | 2574 | 0 | 0 | 0 |
| <i>Gymnodinium sp. 2</i> | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 260 | 0 | 20 |
| <i>Gonyaulax sp.</i> | 4 | 4 | 0 | 0 | 0 | | 7020 | 7020 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 94 | 178 | 75 | 12 | 22 | | 3276 | 6245 | 2641 | 410 | 778 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2011-2012 | | | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| From Site A (Mid Lake) 25/10/2011 | | | | | | | | | | | | | |
| | Surface | 10m | 20m | 50m | 100m | 150m | | Surface | 10m | 20m | 50m | 100m | 150m |
| | ZH1 | ZH2 | ZH16 | ZH3 | ZH6 | ZH11 | | ZH1 | ZH2 | ZH16 | ZH3 | ZH6 | ZH11 |
| | 25/10/2011 | 25/10/2011 | 25/10/2011 | 25/10/2011 | 25/10/2011 | 25/10/2011 | | 25/10/2011 | 25/10/2011 | 25/10/2011 | 25/10/2011 | 25/10/2011 | 25/10/2011 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | | μm^3 | μm^3 | μm^3 | μm^3 | μm^3 | μm^3 |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | 4.1 | 0.0 | 0.0 | 4.6 | 0.0 | 0.1 | | 478 | 0 | 0 | 529 | 0 | 10 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| <i>Monoraphidium sp./ Ankistrodesmus falcatus</i> | 0 | 1 | 3 | 3 | 27 | 3 | | 0 | 25 | 123 | 123 | 1155 | 123 |
| <i>Stichococcus contortus</i> | 0 | 0 | 0 | 0 | 36 | 0 | | 0 | 0 | 0 | 0 | 653 | 0 |
| <i>Botryococcus braunii (colonies)</i> | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0 | 18152 | 0 | 0 | 0 | 18152 |
| <i>Dictyosphaerium</i> | 0 | 0 | 0 | 2 | 0 | 0 | | 0 | 0 | 0 | 129 | 0 | 0 |
| <i>Elakothrix gelatinosa</i> | 1 | 1 | 0 | 2 | 2 | 1 | | 114 | 123 | 0 | 246 | 184 | 123 |
| <i>Oocystis sp.</i> | 5 | 2 | 0 | 3 | 4 | 5 | | 768 | 332 | 0 | 415 | 498 | 665 |
| <i>Sphaerocystis Schroeteri</i> | 0 | 0 | 0 | 0 | 24 | 10 | | 0 | 0 | 0 | 0 | 0 | 0 |
| unidentified Colonial green | 4 | 2 | 0 | 2 | 2 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 4 | 4 | 0 | 2 | 9 | 6 | | 1060 | 1147 | 0 | 655 | 2621 | 1802 |
| <i>Aulacoseira granulata</i> | 6 | 6 | 11 | 23 | 25 | 16 | | 1845 | 1995 | 3446 | 7073 | 7617 | 5078 |
| <i>Aulacoseira granulata var. angustissima</i> | 17 | 24 | 11 | 26 | 30 | 20 | | 4501 | 6236 | 2738 | 6692 | 7757 | 5171 |
| <i>Cocconeis</i> | 0 | 1 | 0 | 0 | 0 | 0 | | 0 | 306 | 0 | 0 | 0 | 0 |
| <i>Cyclotella stelligera</i> | 10 | 7 | 5 | 6 | 14 | 11 | | 1645 | 1123 | 842 | 1030 | 2246 | 1685 |
| <i>Fragilaria crotonensis</i> | 13 | 18 | 0 | 31 | 20 | 11 | | 4648 | 6283 | 0 | 11100 | 7121 | 3770 |
| <i>Nitzschia sp.</i> | 1 | 1 | 1 | 0 | 2 | 3 | | 422 | 456 | 228 | 0 | 913 | 1141 |
| <i>Synedra sp.</i> | 0 | 0 | 1 | 1 | 1 | 2 | | 0 | 0 | 230 | 230 | 461 | 922 |
| <i>Amphora sp.</i> | 0 | 0 | 1 | 0 | 0 | 1 | | 0 | 0 | 306 | 0 | 0 | 306 |
| Small unknown diatom sp. | 0 | 0 | 0 | 1 | 1 | 1 | | 0 | 0 | 0 | 129 | 64 | 129 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closterium acutum var. variable</i> | 1 | 0 | 2 | 1 | 1 | 0 | | 204 | 0 | 662 | 221 | 221 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 14 | 32 | 0 | 30 | 12 | 0 | | 798 | 1898 | 0 | 1795 | 725 | 0 |
| <i>Cryptomonas sp.</i> | 0 | 0 | 0 | 2 | 1 | 1 | | 0 | 0 | 0 | 337 | 168 | 168 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Ceratium hirundinella</i> | 0 | 0 | 0 | 0 | 0 | 0 | | 210 | 0 | 0 | 210 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 23 | 25 | 11 | 24 | 22 | 8 | | 795 | 880 | 389 | 839 | 778 | 287 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2010-2011 | | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| From Site A (Mid Lake) 10/11/2010 | | | | | | | | | | | | | |
| Sample code | KD1 | KD2 | KD3 | KD6 | KD11 | KD16 | | KD1 | KD2 | KD3 | KD6 | KD11 | KD16 |
| | Surface | 10m | 20m | 50m | 100m | 150m | | Surface | 10m | 20m | 50m | 100m | 150m |
| Depth | 10/11/2010 | 10/11/2010 | 10/11/2010 | 10/11/2010 | 10/11/2010 | 10/11/2010 | | 10/11/2010 | 10/11/2010 | 10/11/2010 | 10/11/2010 | 10/11/2010 | 10/11/2010 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | | μm^3 | μm^3 | μm^3 | μm^3 | μm^3 | μm^3 |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Anabaena c.f. lemmermannii</i> | 11.4 | 48.7 | 25.5 | 6.1 | 0.0 | 0.0 | | 1023 | 4387 | 2293 | 547 | 0 | 0 |
| <i>Aphanocapsa sp.</i> | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | | 0 | 0 | 0 | 0 | 0 | 74 |
| <i>Pseudanabaena sp.</i> | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 40.6 | | 0 | 0 | 0 | 0 | 3 | 772 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| <i>Actinastrum hantschii</i> | 0 | 0 | 0.0 | 0 | 0 | 0.2 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Monoraphidium sp./ Ankistrodesmus falcatus</i> | 382 | 539 | 235 | 115 | 38 | 0.4 | | 16042 | 22631 | 9884 | 4817 | 1593 | 15 |
| <i>Stichococcus contortus</i> | 0 | 0 | 0 | 18 | 9 | 0.0 | | 0 | 0 | 0 | 321 | 160 | 0 |
| <i>Botryococcus braunii (colonies)</i> | 0.0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 110 | 0 |
| <i>Dictyosphaerium sp.</i> | 1 | 20 | 2 | 9 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Eudorina elegans</i> | 1 | 1 | 1 | 1 | 0 | 0 | | 277 | 150 | 138 | 300 | 0 | 0 |
| <i>Oocystis sp.</i> | 4 | 2 | 2 | 9 | 2 | 0 | | 615 | 332 | 307 | 1246 | 229 | 0 |
| <i>Scenedesmus sp.</i> | 0 | 2 | 0 | 2 | 0 | 10 | | 0 | 122 | 0 | 122 | 0 | 504 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 102 | 129 | 73 | 104 | 10 | 6 | | 28630 | 36036 | 20450 | 29156 | 2711 | 1582 |
| <i>Aulacoseira granulata</i> | 18 | 137 | 76 | 235 | 88 | 140 | | 5534 | 42436 | 23479 | 72903 | 27390 | 43274 |
| <i>Aulacoseira granulata var. angustissima</i> | 0 | 0 | 0 | 18 | 5 | 0 | | 0 | 0 | 0 | 4715 | 1259 | 0 |
| <i>Cyclotella stelligera</i> | 2 | 2 | 2 | 4 | 0 | 4 | | 346 | 374 | 346 | 655 | 0 | 581 |
| <i>Fragilaria crotonensis</i> | 16 | 15 | 6 | 4 | 0 | 0 | | 5810 | 5236 | 2130 | 1257 | 0 | 0 |
| <i>Nitzschia sp.</i> | 0 | 5 | 3 | 2 | 4 | 4 | | 0 | 1825 | 1266 | 684 | 1573 | 1731 |
| <i>Synedra sp.</i> | 3 | 0 | 0 | 1 | 1 | 0 | | 1279 | 0 | 0 | 461 | 318 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closterium acutum var. variable</i> | 0 | 0 | 0 | 2 | 0 | 1 | | 0 | 0 | 0 | 662 | 152 | 456 |
| <i>Mougeotia sp.</i> | 0 | 0 | 0 | 2 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Staurastrum tangaroaii</i> | 0 | 1 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 62 | 191 | 145 | 13 | 0 | 0 | | 3639 | 11252 | 8554 | 759 | 0 | 0 |
| <i>Cryptomonas sp.</i> | 0 | 0 | 0 | 1 | 1 | 0 | | 0 | 0 | 0 | 168 | 116 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Gymnodinium sp. 1</i> | 0 | 1 | 1 | 0 | 0 | 1 | | 0 | 644 | 1190 | 0 | 0 | 888 |
| <i>Gymnodinium sp. 2</i> | 0 | 0 | 1 | 1 | 0 | 0 | | 0 | 0 | 27050 | 14625 | 0 | 0 |
| <i>Gonyaulax sp.</i> | 207 | 2 | 4 | 0 | 0 | 0 | | 413324 | 4680 | 7574 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| Flagellates < 5μm/unicells | 214 | 205 | 188 | 147 | 26 | 28 | | 7498 | 7166 | 6589 | 5160 | 918 | 988 |

| Lake Taupo phytoplankton species composition and biovolume (μm^3) 2010-2011 | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| From Site A (Mid Lake) 13/04/2011 | | | | | | | | | | | |
| Sample code | RL1 | RL2 | RL6 | RL11 | RL16 | | RL1 | RL2 | RL6 | RL11 | RL16 |
| Depth | 0m | 10m | 50m | 100m | 150m | | 0m | 10m | 50m | 100m | 150m |
| | 13/04/2011 | 13/04/2011 | 13/04/2011 | 13/04/2011 | 13/04/2011 | | 13/04/2011 | 13/04/2011 | 13/04/2011 | 13/04/2011 | 13/04/2011 |
| | Cells/ml | Cells/ml | Cells/ml | Cells/ml | Cells/ml | | μm^3 | μm^3 | μm^3 | μm^3 | μm^3 |
| Blue greens (Cyanophyceae) | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | 16.7 | 5.0 | 0.4 | 0.0 | 0.0 | | 1933 | 580 | 42 | 0 | 0 |
| <i>Gloeocapsa sp.</i> | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | | 0 | 0 | 2 | 0 | 0 |
| <i>Snowella sp.</i> | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | | 0 | 0 | 0 | 5 | 0 |
| <i>Pseudanabaena sp.</i> | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | | 54 | 0 | 0 | 0 | 0 |
| Greens (Chlorophyceae) | | | | | | | | | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | 2 | 1 | 5 | 1 | 2 | | 74 | 49 | 217 | 49 | 74 |
| <i>Botryococcus braunii (colonies)</i> | 0 | 1 | 0 | 0 | 0 | | 8760 | 512447 | 0 | 0 | 0 |
| <i>Dictyosphaerium</i> | 2 | 2 | 2 | 0 | 0 | | 97 | 97 | 97 | 0 | 0 |
| <i>Elakotothrix gelatinosa</i> | 2 | 0 | 0 | 0 | 0 | | 227 | 0 | 0 | 0 | 0 |
| <i>Eudorina elegans</i> | 0 | 0 | 0 | 0 | 0 | | 18 | 0 | 0 | 0 | 0 |
| <i>Oocystis sp.</i> | 44 | 55 | 1 | 0 | 0 | | 6223 | 7808 | 166 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 3 | 3 | 2 | 1 | 2 | | 746 | 819 | 655 | 328 | 655 |
| <i>Aulacoseira granulata</i> | 6 | 1 | 4 | 2 | 2 | | 1753 | 363 | 1088 | 544 | 725 |
| <i>Aulacoseira granulata var. angustissima</i> | 0 | 3 | 18 | 19 | 15 | | 0 | 760 | 4563 | 4867 | 3802 |
| <i>Cyclotella stelligera</i> | 3 | 2 | 1 | 2 | 1 | | 420 | 374 | 187 | 281 | 94 |
| <i>Fragilaria crotonensis</i> | 14 | 23 | 0 | 0 | 0 | | 4889 | 8377 | 0 | 0 | 0 |
| <i>Fragilaria sp.</i> | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 209 | 0 | 0 |
| <i>Nitzschia sp.</i> | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 228 | 0 | 0 |
| <i>Synedra sp.</i> | 0 | 1 | 0 | 0 | 0 | | 0 | 230 | 0 | 0 | 0 |
| <i>Rhoicosphenia sp.</i> | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 306 | 0 | 0 |
| Small unknown diatom sp. | 0 | 0 | 1 | 0 | 0 | | 0 | 0 | 129 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | |
| <i>Closterium acutum var. variable</i> | 0 | 1 | 1 | 0 | 0 | | 0 | 221 | 221 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | 13 | 13 | 0 | 1 | 1 | | 751 | 794 | 0 | 35 | 35 |
| <i>Cryptomonas sp.</i> | 0 | 1 | 2 | 0 | 0 | | 0 | 84 | 253 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | |
| <i>Gymnodinium sp. 1</i> | 1 | 1 | 0 | 0 | 0 | | 595 | 643 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 35 | 32 | 28 | 6 | 3 | | 1214 | 1106 | 983 | 225 | 102 |

Lake Taupo phytoplankton species composition and biovolume (μm^3) 2009-2010
From Site A (Mid Lake) 19/10/2009

| Sample code | OT1 | OT2 | OT3 | OT6 | OT8 | OT11 | OT16 | OT1 | OT2 | OT3 | OT6 | OT8 | OT11 | OT16 |
|---|----------|----------|----------|----------|----------|----------|----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Depth | Surface | 10m | 20m | 50m | 70m | 100m | 150m | Surface | 10m | 20m | 50m | 70m | 100m | 150m |
| | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume |
| | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | | | | | | | | | | | | | | |
| | 27.4 | 6.8 | 1.1 | 0.4 | 0.0 | 0.0 | 0.1 | 2470 | 610 | 99 | 40 | 0 | 0 | 9 |
| <i>Chroococcus</i> sp. | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Microcystis</i> sp. | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 |
| <i>Dictyosphaerium</i> sp. | 18.0 | 31.6 | 31.3 | 7.4 | 2.7 | 0.4 | 0.0 | 451 | 789 | 782 | 186 | 67 | 11 | 0 |
| <i>Phormidium</i> sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Pseudanabaena</i> sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | | | | | | | | | | | | | | |
| | 2 | 4 | 0 | 0 | 12 | 0 | 0 | 68 | 147 | 0 | 0 | 491 | 0 | 0 |
| <i>Botryococcus braunii</i> (colonies) | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 30946 | 0 | 950 | 0 | 0 | 0 | 1900 |
| <i>Crucigeniella</i> sp | 4 | 8 | 0 | 0 | 0 | 2 | 0 | 281 | 494 | 0 | 0 | 0 | 152 | 0 |
| <i>Dictyosphaerium</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 658 |
| <i>Eudorina elegans</i> | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 2696 | 0 | 0 | 0 |
| <i>Nephrocytium agardhianum</i> | 0 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 790 | 351 | 0 | 0 | 0 | 0 |
| <i>Oocystis</i> sp. | 0 | 7 | 5 | 0 | 2 | 2 | 0 | 0 | 997 | 665 | 0 | 332 | 332 | 0 |
| <i>Westella botryoides</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Paulschulzia</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 128 | 218 | 97 | 78 | 26 | 4 | 43 | 35749 | 60934 | 27191 | 21785 | 7207 | 983 | 12121 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 17 | 49 | 43 | 21 | 65 | 40 | 36 | 4360 | 12624 | 11103 | 5476 | 16883 | 10343 | 9278 |
| <i>Cyclotella stelligera</i> | 4 | 5 | 1 | 2 | 11 | 15 | 18 | 692 | 842 | 187 | 374 | 1778 | 2340 | 2808 |
| <i>Fragilaria crotonensis</i> | 267 | 467 | 352 | 153 | 76 | 32 | 47 | 95677 | 167335 | 126077 | 54871 | 27226 | 11519 | 16754 |
| <i>Nitzschia</i> sp. | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 422 | 0 | 228 | 0 | 0 | 0 | 0 |
| <i>Synedra</i> sp. | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 213 | 922 | 0 | 0 | 0 | 0 | 691 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | | |
| <i>Closterium aciculare</i> | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 350 | 350 | 0 | 0 | 0 | 0 |
| <i>Closterium acutum</i> var. <i>variable</i> | 2 | 1 | 0 | 1 | 2 | 1 | 1 | 612 | 441 | 0 | 441 | 662 | 221 | 441 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 23 | 70 | 140 | 89 | 3 | 0 | 0 | 1373 | 4142 | 8284 | 5246 | 173 | 0 | 0 |
| <i>Cryptomonas</i> sp. | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 84 | 168 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | | |
| <i>Gymnodinium</i> sp. 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 595 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Gymnodinium</i> sp. 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2925 | 2925 | 0 | 0 | 0 |
| <i>Peridinium</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1170 | 0 | 0 | 0 |
| <i>Gonyaulax</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 144 | 294 | 211 | 172 | 159 | 79 | 102 | 5037 | 10299 | 7371 | 6020 | 5569 | 2764 | 3583 |

Lake Taupo phytoplankton species composition and biovolume (μm^3) 2009-2010

From Site A (Mid Lake) 7/04/2010

| | Sample code | YZ1 | YZ2 | YZ3 | YZ6 | YZ11 | YZ16 | YZ1 | YZ2 | YZ3 | YZ6 | YZ11 | YZ16 |
|---|--|----------|----------|----------|----------|----------|----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | Depth | Surface | 10m | 20m | 50m | 100m | 150m | Surface | 10m | 20m | 50m | 100m | 150m |
| | | Cell | Cell | Cell | Cell | Cell | Cell | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume |
| | | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| | <i>Anabaena c.f. lemmermannii</i> | 10.2 | 27.6 | 15.4 | 5.3 | 0.3 | 0.6 | 921 | 2482 | 1390 | 475 | 27 | 53 |
| | <i>Dolichospermum planctonicum</i> (formerly; <i>Anabaena planktonica</i>) | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 242 | 0 | 0 | 0 | 0 | 0 |
| | <i>Aphanocapsa</i> sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0 | 0 | 0 | 0 | 4 | 0 |
| | <i>cf Heteroleibleinia</i> sp. | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0 | 0 | 5 | 0 | 0 | 0 |
| | <i>Phormidium</i> sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0 | 0 | 0 | 0 | 0 | 8 |
| | <i>Pseudanabaena</i> sp. | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.3 | 0 | 0 | 0 | 0 | 44 | 6 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| | <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 0 | 4643 | 0 | 0 |
| | <i>Botryococcus braunii</i> (colonies) | 0.0 | 0 | 0 | 0 | 0 | 0 | 1200 | 76 | 6621 | 0 | 76 | 76 |
| | <i>Elakotothrix gelatinosa</i> | 1 | 0 | 0 | 0 | 0 | 0 | 157 | 0 | 0 | 0 | 0 | 0 |
| | <i>Eudorina elegans</i> | 0 | 0 | 4 | 0 | 0 | 0 | 96 | 0 | 930 | 0 | 0 | 0 |
| | <i>Nephrocytium agardhianum</i> | 10 | 2 | 2 | 2 | 0 | 0 | | 182 | 0 | 0 | 0 | 0 |
| | <i>Nephrocytium lunatum</i> | 0 | 5 | 0 | 0 | 0 | 0 | 784 | 387 | 121 | 121 | 0 | 0 |
| | <i>Oocystis</i> sp. | 16 | 28 | 12 | 23 | 2 | 15 | 2225 | 4010 | 1719 | 3208 | 344 | 2177 |
| | <i>Quadrigula lacustris</i> | 1 | 0 | 0 | 0 | 0 | 0 | 245 | 0 | 0 | 0 | 0 | 0 |
| | <i>Scenedesmus</i> sp. | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 84 | 0 | 168 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| | <i>Asterionella formosa</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 226 | 0 |
| | <i>Aulacoseira granulata</i> | 0 | 0 | 0 | 0 | 0 | 8 | 116 | 0 | 0 | 0 | 0 | 2626 |
| | <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 210 | 1259 | 0 |
| | <i>Cocconeis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 211 | 0 | 0 | 0 |
| | <i>Cyclotella stelligera</i> | 4 | 0 | 0 | 2 | 0 | 1 | 716 | 0 | 0 | 323 | 0 | 194 |
| | <i>Fragilaria crotonensis</i> | 0 | 23 | 7 | 8 | 2 | 1 | 134 | 8088 | 2600 | 2744 | 578 | 433 |
| | <i>Nitzschia</i> sp. | 2 | 4 | 4 | 0 | 1 | 0 | 873 | 1416 | 1416 | 0 | 315 | 0 |
| | <i>Eunotia</i> sp. | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| | <i>Closterium acutum</i> var. <i>variable</i> | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 304 | 456 | 152 |
| | <i>Staurastrum</i> sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| | <i>Dinobryon</i> sp. | 42 | 13 | 61 | 6 | 0 | 0 | 2487 | 738 | 3618 | 381 | 0 | 0 |
| | <i>Cryptomonas</i> sp. | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 58 | 232 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| | <i>Ceratium hirundinella</i> | 0 | 0 | 2 | 4 | 0 | 0 | 126 | 147 | 246 | 369 | 0 | 0 |
| | <i>Gymnodinium</i> sp. 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 888 | 0 | 0 | 444 | 0 |
| | <i>Gymnodinium</i> sp. 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 20172 | 0 | 0 | 0 | 0 |
| | <i>Gonyaulax</i> sp. | 6 | 5 | 3 | 0 | 0 | 0 | 12686 | 10490 | 5648 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| | Flagellates < 5 μm /unicells | 47 | 59 | 56 | 40 | 11 | 19 | 1658 | 2062 | 1949 | 1384 | 395 | 650 |

Lake Taupo phytoplankton species composition and biovolume (μm^3) 2008-2009
From Site A (Mid Lake) 15/04/2009

| | Sample code Depth | SZ1 Surface Cell (per ml) | SZ2 10m Cell (per ml) | SZ3 20m Cell (per ml) | SZ6 50m Cell (per ml) | SZ11 100m Cell (per ml) | SZ16 150m Cell (per ml) | SZ1 Surface Biovolume (μm^3) | SZ2 10m Biovolume (μm^3) | SZ3 20m Biovolume (μm^3) | SZ6 50m Biovolume (μm^3) | SZ11 100m Biovolume (μm^3) | SZ16 150m Biovolume (μm^3) |
|---|----------------------|--|--------------------------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|--|--|--|--|--|--|
| Species composition by class | | | | | | | | | | | | | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| | | <i>Dolichospermum c.f. lemmermannii</i> <i>(formally; Anabaena c.f. lemmermannii)</i> | | | | | | | | | | | |
| | | 0.0 | 1.3 | 0.0 | 0.8 | 0.0 | 0.0 | 0 | 51 | 0 | 31 | 0 | 0 |
| | | <i>Aphanothece sp.</i> | | | | | | | | | | | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 0.0 | 0 | 0 | 0 | 0 | 66 | 0 |
| | | <i>Pseudanabaena sp.</i> | | | | | | | | | | | |
| | | 0.0 | 0 | 0.0 | 0.0 | 22.2 | 5.3 | 0 | 0 | 0 | 0 | 422 | 100 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| | | <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | | | | | | | | | | | |
| | | 68 | 71 | 0.5 | 55 | 13 | 6 | 2875 | 2998 | 22 | 2318 | 545 | 273 |
| | | <i>Stichococcus contortus</i> | | | | | | | | | | | |
| | | 0 | 0 | 0.0 | 0 | 17 | 15 | 0 | 0 | 0 | 0 | 302 | 263 |
| | | <i>Kirchneriella contorta</i> | | | | | | | | | | | |
| | | 0 | 0 | 0.0 | 1 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 |
| | | <i>Botryococcus braunii (colonies)</i> | | | | | | | | | | | |
| | | 0.0 | 0 | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 21653 | 16240 | 76507.95 | 0 |
| | | <i>Elakothrix gelatinosa</i> | | | | | | | | | | | |
| | | 5 | 10 | 2 | 2 | 0 | 0 | 491 | 1044 | 227 | 227 | 0 | 0 |
| | | <i>Nephrocytium agardhianum</i> | | | | | | | | | | | |
| | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | <i>Oocystis sp.</i> | | | | | | | | | | | |
| | | 6 | 1 | 4 | 1 | 4 | 1 | 831 | 166 | 581 | 166 | 498 | 166 |
| | | <i>Quadrigula lacustrus</i> | | | | | | | | | | | |
| | | 2 | 0 | 0 | 0 | 0 | 0 | 384 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| | | <i>Asterionella formosa</i> | | | | | | | | | | | |
| | | 94 | 71 | 102 | 71 | 6 | 2 | 26372 | 19820 | 28501 | 19984 | 1802 | 655 |
| | | <i>Aulacoseira granulata</i> | | | | | | | | | | | |
| | | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 363 | 907 | 363 |
| | | <i>Aulacoseira granulata var. angustissima</i> | | | | | | | | | | | |
| | | 1 | 22 | 8 | 8 | 0 | 0 | 304 | 5628 | 2129 | 1977 | 0 | 0 |
| | | <i>Cyclotella stelligera</i> | | | | | | | | | | | |
| | | 5 | 4 | 11 | 4 | 2 | 2 | 842 | 562 | 1685 | 562 | 374 | 281 |
| | | <i>Fragilaria crotonensis</i> | | | | | | | | | | | |
| | | 151 | 42 | 9 | 183 | 15 | 7 | 54033 | 14870 | 3141 | 65552 | 5236 | 2513 |
| | | <i>Synedra sp.</i> | | | | | | | | | | | |
| | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | <i>Eunotia sp.</i> | | | | | | | | | | | |
| | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| | | <i>Closterium aciculare</i> | | | | | | | | | | | |
| | | 1 | 1 | 0 | 1 | 0 | 0 | 701 | 701 | 0 | 701 | 0 | 0 |
| | | <i>Closterium acutum var. variable</i> | | | | | | | | | | | |
| | | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 221 | 0 | 221 | 221 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| | | <i>Dinobryon sp.</i> | | | | | | | | | | | |
| | | 1 | 0 | 32 | 3 | 0 | 0 | 69 | 0 | 1898 | 173 | 0 | 0 |
| | | <i>Cryptomonas sp.</i> | | | | | | | | | | | |
| | | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 84 | 0 | 84 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| | | <i>Gymnodinium sp. 2</i> | | | | | | | | | | | |
| | | 1 | 0 | 1 | 0 | 0 | 0 | 14625 | 0 | 14625 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| | | Flagellates < 5μm/unicells | | | | | | | | | | | |
| | | 132 | 201 | 111 | 140 | 24 | 13 | 4607 | 7023 | 3870 | 4914 | 839 | 450 |

Lake Taupo phytoplankton species composition and biovolume (μm^3) 2008-2009

From Site A (Mid Lake) 14/10/2008

| | Sample code Depth | EU1 Surface Cell (per ml) | EU2 10m Cell (per ml) | EU6 50m Cell (per ml) | EU8 70m Cell (per ml) | EU11 100m Cell (per ml) | EU16 150m Cell (per ml) | EU1 Surface Biovolume (μm^3) | EU2 10m Biovolume (μm^3) | EU6 50m Biovolume (μm^3) | EU8 70m Biovolume (μm^3) | EU11 100m Biovolume (μm^3) | EU16 150m Biovolume (μm^3) |
|---|---|------------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|--|--|--|--|--|--|
| Species composition by class | | | | | | | | | | | | | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| <i>Dolichospermum c.f. lemmermannii</i> (formally; <i>Anabaena c.f. lemmermannii</i>) | | | | | | | | | | | | | |
| | | 1.2 | 8.5 | 1.6 | 0.0 | 0.0 | 0.0 | 104 | 767 | 143 | 4 | 0 | 0 |
| <i>Dolichospermum sp.</i> (formally; <i>Anabaena sp.</i>) | | | | | | | | | | | | | |
| | | 0.5 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 49 | 83 | 0 | 0 | 0 | 0 |
| <i>Pseudanabaena sp.</i> | | | | | | | | | | | | | |
| | | 0.0 | 0.0 | 0.0 | 1.7 | 0.3 | 0.6 | 0 | 0 | 0 | 33 | 5 | 11 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| <i>Monoraphidium sp. / Ankistrodesmus falcatus</i> | | | | | | | | | | | | | |
| | | 0 | 0 | 54 | 2 | 19 | 2 | 0 | 0 | 2260 | 66 | 786 | 82 |
| <i>Botryococcus braunii</i> (colonies) | | | | | | | | | | | | | |
| | | 0.0 | 1 | 0 | 0 | 1 | 0 | 123784 | 1111500 | 370500 | 0 | 741000 | 0 |
| <i>Crucigeniella sp.</i> | | | | | | | | | | | | | |
| | | 52 | 53 | 5 | 3 | 0 | 0 | 3399 | 3448 | 304 | 203 | 0 | 0 |
| <i>Elakothrix gelatinosa</i> | | | | | | | | | | | | | |
| | | 1 | 0 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 0 |
| <i>Eudorina elegans</i> | | | | | | | | | | | | | |
| | | 0 | 11 | 2 | 0 | 0 | 0 | 0 | 2796 | 599 | 0 | 0 | 0 |
| <i>Oocystis sp.</i> | | | | | | | | | | | | | |
| | | 3 | 0 | 2 | 0 | 1 | 0 | 410 | 0 | 222 | 0 | 111 | 0 |
| <i>Westella botryoides</i> | | | | | | | | | | | | | |
| | | 0 | 5 | 3 | 2 | 0 | 0 | 0 | 304 | 203 | 152 | 0 | 0 |
| <i>Paulschulzia sp.</i> | | | | | | | | | | | | | |
| | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | | | | | | | | | | | | | |
| | | 3 | 6 | 4 | 4 | 1 | 1 | 707 | 1638 | 1201 | 1092 | 218 | 218 |
| <i>Aulacoseira granulata</i> | | | | | | | | | | | | | |
| | | 0 | 2 | 4 | 9 | 5 | 1 | 0 | 605 | 1209 | 2660 | 1693 | 242 |
| <i>Aulacoseira granulata var. angustissima</i> | | | | | | | | | | | | | |
| | | 0 | 2 | 6 | 0 | 0 | 2 | 0 | 507 | 1622 | 0 | 0 | 406 |
| <i>Cyclotella stelligera</i> | | | | | | | | | | | | | |
| | | 1 | 1 | 4 | 1 | 0 | 0 | 115 | 187 | 686 | 125 | 62 | 62 |
| <i>Fragilaria crotonensis</i> | | | | | | | | | | | | | |
| | | 6 | 10 | 0 | 0 | 0 | 1 | 2066 | 3630 | 0 | 0 | 0 | 419 |
| <i>Nitzschia sp.</i> | | | | | | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 152 | 0 | 0 | 0 | 152 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| <i>Closterium aciculare</i> | | | | | | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117 | 0 | 0 | 0 |
| <i>Closterium acutum var. variable</i> | | | | | | | | | | | | | |
| | | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 147 | 735 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| <i>Dinobryon sp.</i> | | | | | | | | | | | | | |
| | | 7 | 2 | 0 | 0 | 0 | 0 | 426 | 138 | 0 | 0 | 0 | 0 |
| <i>Cryptomonas sp.</i> | | | | | | | | | | | | | |
| | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 168 | 0 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| <i>Gymnodinium sp. 1</i> | | | | | | | | | | | | | |
| | | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2145 | 0 | 0 | 0 | 0 |
| <i>Gymnodinium sp. 2</i> | | | | | | | | | | | | | |
| | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 19500 | 0 | 0 | 0 | 0 |
| <i>Gonyaulax sp.</i> | | | | | | | | | | | | | |
| | | 1 | 1 | 0 | 0 | 0 | 0 | 2164 | 1560 | 0 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| | Flagellates < 5 μm /unicells | 34 | 46 | 27 | 22 | 10 | 9 | 1174 | 1611 | 956 | 778 | 355 | 300 |

Lake Taupo phytoplankton species composition and biovolume (μm^3) 2007-2008
From Site A (Mid Lake) 30/10/2007

| Sample code Depth | ZA1 | ZA2 | ZA3 | ZA6 | ZA8 | ZA11 | ZA16 | ZA1 | ZA2 | ZA3 | ZA6 | ZA8 | ZA11 | ZA16 | |
|---|-----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|---|---|---|---|---|--|--|--|
| | Surface cell (per ml) | 10m cell (per ml) | 20m cell (per ml) | 50m cell (per ml) | 70m cell (per ml) | 100m cell (per ml) | 150m cell (per ml) | Surface Biovolume (μm^3) | 10m Biovolume (μm^3) | 20m Biovolume (μm^3) | 50m Biovolume (μm^3) | 70m Biovolume (μm^3) | 100m Biovolume (μm^3) | 150m Biovolume (μm^3) | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | | | |
| <i>Anabaena lemmermannii</i> | 18.7 | 22.0 | 2.9 | 0.4 | 0.0 | 0.0 | 1.6 | 1683 | 1976 | 257 | 33 | 0 | 0 | 140 | |
| <i>Chroococcus</i> sp. | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| <i>Aphanocapsa</i> sp. | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 | 5.8 | 6.6 | 0 | 0 | 0 | 62 | 0 | 52 | 59 | |
| <i>Planktolyngbya</i> sp. | 21.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 192 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Pseudanabaena</i> sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 0.3 | 0 | 0 | 0 | 0 | 0 | 94 | 6 | |
| Greens (Chlorophyceae) | | | | | | | | | | | | | | | |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 52 | 21 | 29 | 15 | 6 | 0 | 0 | 2187 | 885 | 1229 | 614 | 270 | 0 | 0 | |
| <i>Stichococcus contortus</i> | 39 | 6 | 13 | 15 | 6 | 2 | 4 | 706 | 116 | 242 | 274 | 116 | 42 | 63 | |
| <i>Botryococcus braunii</i> (colonies) | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 235139 | 0 | 804 | 0 | |
| <i>Eudorina elegans</i> | 13 | 3 | 7 | 0 | 0 | 0 | 0 | 3295 | 749 | 1797 | 0 | 0 | 0 | 0 | |
| <i>Crucigeniella</i> sp. | 0 | 2 | 8 | 5 | 5 | 0 | 0 | 0 | 152 | 532 | 304 | 304 | 0 | 0 | |
| <i>Nephrocytium agardhianum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Oocystis</i> sp. | 9 | 4 | 0 | 1 | 0 | 9 | 1 | 1246 | 498 | 0 | 166 | 0 | 1246 | 166 | |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | | | |
| <i>Asterionella formosa</i> | 33 | 73 | 102 | 62 | 34 | 4 | 14 | 9173 | 20311 | 28665 | 17363 | 9500 | 983 | 3931 | |
| <i>Aulacoseira granulata</i> | 15 | 37 | 91 | 25 | 9 | 25 | 13 | 4715 | 11606 | 28109 | 7617 | 2902 | 7617 | 4171 | |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 761 | 0 | |
| <i>Cyclotella stelligera</i> | 6 | 8 | 22 | 9 | 5 | 9 | 10 | 1030 | 1217 | 3557 | 1404 | 842 | 1404 | 1591 | |
| <i>Fragilaria crotonensis</i> | 11 | 14 | 22 | 7 | 7 | 20 | 2 | 3770 | 5026 | 7958 | 2513 | 2513 | 7330 | 838 | |
| <i>Nitzschia</i> sp. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 228 | 0 | |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | | | |
| <i>Closterium aciculare</i> | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 701 | 350 | 0 | 526 | 526 | 350 | 350 | |
| <i>Closterium acutum</i> var. <i>variable</i> | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 221 | 265 | 0 | 44 | 0 | 0 | 0 | |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | | | |
| <i>Dinobryon</i> sp. | 275 | 182 | 227 | 135 | 108 | 1 | 0 | 16222 | 10734 | 13392 | 7938 | 6351 | 69 | 0 | |
| <i>Cryptomonas</i> sp. | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 168 | 168 | 0 | 0 | 0 | |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | | | |
| <i>Gymnodinium</i> sp. 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 3510 | 3510 | 1755 | 1755 | 0 | 0 | |
| <i>Gymnodinium</i> sp. 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 14044 | 26750 | 1463 | 0 | 0 | 0 | |
| Flagellates 5μm | | | | | | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 139 | 404 | 406 | 243 | 144 | 25 | 13 | 4853 | 14148 | 14210 | 8497 | 5037 | 860 | 450 | |

Lake Taupo phytoplankton species composition and biovolume (μm^3) 2007-2008
From Site A (Mid Lake) 17/04/2008

| Species composition by class | Sample code | KA1 | KA2 | KA3 | KA6 | KA11 | KA16 | KA1 | KA2 | KA3 | KA6 | KA11 | KA16 |
|---|--|----------|----------|----------|----------|----------|----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | Depth | Surface | 10m | 20m | 50m | 100m | 150m | Surface | 10m | 20m | 50m | 100m | 150m |
| | | cell | cell | cell | cell | cell | cell | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume | Biovolume |
| | | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) | (μm^3) |
| Blue greens (Cyanophyceae) | | | | | | | | | | | | | |
| | <i>Anabaena lemmermannii</i> | 44.8 | 46.9 | 24.3 | 0.0 | 6.5 | 1.4 | 4031 | 4220 | 2183 | 0 | 584 | 16 |
| | <i>Pseudanabaena</i> sp. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.4 | 0 | 0 | 0 | 0 | 0 | 331 |
| Greens (Chlorophyceae) | | | | | | | | | | | | | |
| | <i>Monoraphidium</i> sp./ <i>Ankistrodesmus falcatus</i> | 14 | 3 | 8 | 8 | 0 | 1 | 590 | 123 | 344 | 344 | 0 | 49 |
| | <i>Stichococcus contortus</i> | 6 | 26 | 6 | 0 | 0 | 0 | 116 | 463 | 116 | 0 | 0 | 0 |
| | <i>Botryococcus braunii</i> (colonies) | 0 | 0 | 0 | 0 | 0 | 1 | 54 | 31352 | 6431 | 26908 | 1608 | 156759 |
| | <i>Elakothrix gelatinosa</i> | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 154 | 123 | 0 | 123 | 0 |
| | <i>Eudorina elegans</i> | 0 | 6 | 0 | 0 | 0 | 0 | 75 | 1498 | 75 | 0 | 0 | 0 |
| | <i>Crucigeniella</i> sp. | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 76 | 0 | 0 |
| | <i>Oocystis</i> sp. | 2 | 10 | 2 | 0 | 2 | 1 | 332 | 1412 | 332 | 0 | 332 | 83 |
| | <i>Westella botryoides</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | | | |
| | <i>Asterionella formosa</i> | 12 | 23 | 32 | 12 | 3 | 4 | 3276 | 6552 | 8935 | 3276 | 819 | 983 |
| | <i>Aulacoseira granulata</i> | 5 | 16 | 5 | 12 | 5 | 9 | 1484 | 4946 | 1484 | 3808 | 1632 | 2720 |
| | <i>Cyclotella stelligera</i> | 2 | 6 | 2 | 5 | 1 | 1 | 340 | 936 | 340 | 749 | 94 | 94 |
| | <i>Fragilaria crotonensis</i> | 4 | 10 | 39 | 1 | 1 | 1 | 1523 | 3427 | 14089 | 419 | 419 | 209 |
| | <i>Nitzschia</i> sp. | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 8442 | 0 | 0 | 0 |
| | Small unknown diatom sp. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 64 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | | | |
| | <i>Closterium aciculare</i> | 0 | 1 | 0 | 0 | 1 | 0 | 105 | 701 | 105 | 0 | 350 | 4 |
| | <i>Closterium acutum</i> var. <i>variable</i> | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 221 | 662 | 662 | 0 | 22 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | | | |
| | <i>Dinobryon</i> sp. | 64 | 164 | 101 | 0 | 0 | 0 | 3797 | 9664 | 5971 | 0 | 0 | 0 |
| | <i>Cryptomonas</i> sp. | 1 | 1 | 1 | 3 | 0 | 0 | 84 | 84 | 84 | 421 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | | | |
| | <i>Gymnodinium</i> sp. 1 | 1 | 1 | 1 | 0 | 0 | 0 | 3191 | 3191 | 3191 | 0 | 0 | 0 |
| | <i>Gymnodinium</i> sp. 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 146 | 134 | 0 |
| Flagellates 5μm | | | | | | | | | | | | | |
| | Flagellates < 5 μm /unicells | 46 | 126 | 196 | 37 | 7 | 3 | 1619 | 4411 | 6850 | 1290 | 246 | 102 |

Lake Taupo phytoplankton species composition and biovolume (μm^3) 2006-2007
From Site A (Mid Lake) 1/11/2006

| | Sample code Depth | HW1 surface cell (per ml) | HW3 20 m cell (per ml) | HW6 50 m cell (per ml) | HW11 100 m cell (per ml) | HW16 150 m cell (per ml) | HW1 surface Biovolume (μm^3) | HW3 20 m Biovolume (μm^3) | HW6 50 m Biovolume (μm^3) | HW11 100 m Biovolume (μm^3) | HW16 150 m Biovolume (μm^3) |
|---|---|------------------------------------|---------------------------------|---------------------------------|-----------------------------------|-----------------------------------|--|---|---|---|---|
| Species composition by class | | | | | | | | | | | |
| Blue greens (Cyanophyceae) | | | | | | | | | | | |
| | <i>Anabaena lemmermannii</i> | 63 | 25 | 0 | 0 | 0 | 3488.1 | 1367 | 25 | 15 | 0 |
| | <i>Aphanocapsa</i> sp. | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 14 | 31 | 0 |
| Greens (Chlorophyceae) | | | | | | | | | | | |
| | <i>Botryococcus braunii</i> (colonies) | 0 | 0 | 0 | 0 | 0 | 5151 | 5901 | 7321 | 0 | 0 |
| | <i>Chlorosarcinopsis</i> sp. | 3 | 0 | 2 | 2 | 0 | 259 | 0 | 182 | 208 | 0 |
| | <i>Eudorina elegans</i> | 2 | 5 | 6 | 0 | 0 | 621 | 1198 | 1498 | 0 | 0 |
| | <i>Kirchneriella contorta</i> | 5 | 4 | 0 | 0 | 0 | 176 | 116 | 0 | 0 | 0 |
| | <i>Lagerheimia</i> sp. | 0 | 1 | 1 | 0 | 0 | 0 | 125 | 166 | 0 | 0 |
| | <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 3 | 0 | 0 | 0 | 0 | 143 | 0 | 0 | 0 | 0 |
| | <i>Oocystis</i> sp. | 7 | 6 | 6 | 6 | 3 | 1034 | 872 | 831 | 831 | 415 |
| | <i>Westella botryoides</i> | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | | |
| | <i>Asterionella formosa</i> | 14 | 8 | 7 | 8 | 2 | 3806 | 2129 | 1884 | 2211 | 573 |
| | <i>Aulacoseira granulata</i> | 63 | 54 | 49 | 47 | 54 | 19413 | 16866 | 15052 | 14689 | 16594 |
| | <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 456 | 837 | 0 |
| | <i>Cyclotella stelligera</i> | 46 | 8 | 4 | 7 | 4 | 7301 | 1264 | 562 | 1123 | 655 |
| | <i>Fragilaria crotonensis</i> | 5 | 0 | 2 | 8 | 3 | 1912 | 0 | 628 | 2723 | 1047 |
| | <i>Nitzschia</i> sp. | 2 | 1 | 1 | 0 | 0 | 947 | 342 | 342 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | | |
| | <i>Closterium aciculare</i> | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 175 | 0 | 0 |
| | <i>Closterium acutum</i> var. <i>variable</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110 | 0 | 0 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | | |
| | <i>Dinobryon</i> sp. | 8 | 4 | 6 | 0 | 0 | 458 | 242 | 362 | 0 | 0 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | | |
| | <i>Gymnodinium</i> sp. 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2633 | 1316 | 0 | 88 |
| | <i>Gymnodinium</i> sp. 2 | 0 | 0 | 0 | 0 | 0 | 6068 | 0 | 0 | 0 | 0 |
| Flagellates 5μm | | | | | | | | | | | |
| | Flagellates < 5 μm /unicells | 50 | 19 | 31 | 23 | 4 | 1750 | 676 | 1085 | 788 | 143 |

Lake Taupo phytoplankton species composition and biovolume (μm^3) 2006-2007
From Site A (Mid Lake) 2/04/2007

| Sample code | HW17 | HW18 | HW19 | HW22 | HW27 | HW32 | HW17 | HW18 | HW19 | HW22 |
|---|----------|----------|----------|----------|----------|----------|---------------------|---------------------|---------------------|---------------------|
| Depth | surface | 10 m | 20 m | 50 m | 100 m | 150 m | surface | 10 m | 20 m | 50 m |
| | cell | cell | cell | cell | cell | cell | Biovolume | Biovolume | Biovolume | Biovolume |
| | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (per ml) | (μm^3) | (μm^3) | (μm^3) | (μm^3) |
| Species composition by class | | | | | | | | | | |
| Blue greens (Cyanophyceae) | | | | | | | | | | |
| <i>Anabaena lemmermannii</i> | 36 | 65 | 56 | 0 | 2 | 0 | 1493 | 2655 | 2286 | 5 |
| Greens (Chlorophyceae) | | | | | | | | | | |
| <i>Botryococcus braunii</i> (colonies) | 1 | 0 | 0 | 0 | 0 | 0 | 27630 | 0 | 0 | 41446 |
| <i>Monoraphidium</i> sp. / <i>Ankistrodesmus falcatus</i> | 49 | 17 | 17 | 0 | 1 | 0 | 2064 | 725 | 725 | 0 |
| <i>Oocystis</i> sp. | 2 | 1 | 1 | 0 | 1 | 0 | 332 | 166 | 125 | 0 |
| <i>Stichococcus contortus</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Diatoms (Bacillariophyceae) | | | | | | | | | | |
| <i>Asterionella formosa</i> | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 82 | 246 | 0 |
| <i>Aulacoseira granulata</i> | 2 | 0 | 0 | 5 | 11 | 8 | 544 | 0 | 0 | 1541 |
| <i>Aulacoseira granulata</i> var. <i>angustissima</i> | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 76 |
| <i>Cyclotella stelligera</i> | 1 | 1 | 1 | 1 | 2 | 1 | 168 | 94 | 94 | 234 |
| <i>Eunotia</i> sp. | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| <i>Fragilaria crotonensis</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Nitzschia</i> sp. | 2 | 0 | 1 | 0 | 0 | 0 | 799 | 114 | 228 | 0 |
| Small unknown diatom sp. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Desmids (Mesotaeniaceae, Desmidiaceae) | | | | | | | | | | |
| <i>Closterium aciculare</i> | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 350 |
| <i>Closterium acutum</i> var. <i>variable</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 331 |
| Chrysophyta (Chrysophyceae) | | | | | | | | | | |
| <i>Cryptomonas</i> sp. | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 211 | 126 | 590 |
| <i>Dinobryon</i> sp. | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 86 |
| Dinoflagellates (Dinophyceae) | | | | | | | | | | |
| <i>Gymnodinium</i> sp. 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2106 | 878 | 878 | 176 |
| <i>Gymnodinium</i> sp. 2 | 1 | 1 | 1 | 0 | 0 | 0 | 14625 | 21938 | 14625 | 0 |
| Flagellates 5μm | | | | | | | | | | |
| Flagellates < 5 μm /unicells | 185 | 97 | 84 | 127 | 16 | 10 | 6470 | 3389 | 2928 | 4433 |

Appendix 5 - Historical data

Historical data held by NIWA have frequently been referred to and included in analysis or comparison with the data from the long-term monitoring programme. To ensure that these data are always readily available, the relevant historical data are included in this report. These data are the spring and autumn profiles of NO₃-N and DRP from 1974 to 1990. The nitrate data for 27 September 1979 was taken from Vincent (1983). The more recent data can be found in the previous appendices.

The profiles given are separated by season with the spring data above the data of the following autumn. The earlier profiles were to a depth of 110 m rather than 150 m. Also, as there was no March or April data collected in 1976, for completeness the last available profile in that series (12 January 1976) has been included.

The elapsed time given is the number of days between the spring profile in about October and the autumn profile in March/April of the following year.

The historical data also include an un-paired profile from July 1987. As there were no data for April 1987 and the lake was still stratified in July, when the next period of monitoring began, the July 1987 data may be used to indicate the total mass of nutrients accumulated in the hypolimnion in that year.

Historical data from Site A in Lake Taupo

Nitrate concentrations (mg m⁻³)

Spring

| Date | 18/11/1974 | 16/10/1975 | 4/10/1977 | 10/10/1978 | 27/09/1979 | 5/10/1987 | 17/10/1988 | 6/10/1989 |
|-----------|------------|------------|-----------|------------|------------|-----------|------------|-----------|
| Depth (m) | | | | | | | | |
| 0 | 0.8 | 0.3 | 1.1 | 0.0 | 0.0 | 0.3 | 2.6 | 1.2 |
| 10 | 0.3 | 0.4 | 1.2 | 1.4 | 0.0 | 0.4 | 2.7 | 1.8 |
| 20 | 0.0 | 0.0 | 0.6 | 0.8 | 0.5 | 0.5 | 2.8 | 1.0 |
| 30 | 0.3 | 0.4 | 0.0 | 0.7 | 0.5 | 0.4 | 2.8 | 1.4 |
| 40 | 0.8 | 0.0 | 0.1 | 0.6 | 1.0 | 0.6 | 3.0 | 1.3 |
| 50 | 2.1 | 0.3 | 0.6 | 0.7 | 1.0 | 0.8 | 2.9 | 1.0 |
| 60 | 4.9 | 0.0 | 1.0 | 0.8 | 0.5 | 1.2 | 2.5 | 0.8 |
| 70 | 4.1 | 0.4 | 1.1 | 0.8 | 1.0 | 1.0 | 2.9 | 1.6 |
| 80 | 5.3 | 0.0 | 3.2 | 1.2 | 1.5 | 1.4 | 2.9 | 1.6 |
| 90 | 5.4 | 0.0 | 1.3 | 1.2 | 1.0 | 1.5 | 2.5 | 1.7 |
| 100 | 8.4 | 1.8 | 3.3 | 1.4 | 1.5 | 1.2 | 2.6 | 1.7 |
| 110 | 12.0 | 4.1 | 2.8 | 1.4 | 1.5 | 6.0 | 2.4 | 0.8 |
| 120 | | | 2.8 | 1.7 | 2.5 | 0.7 | 2.7 | 1.6 |
| 130 | | | 2.7 | 2.1 | 5.0 | 1.2 | 2.7 | 1.1 |
| 140 | | | 1.7 | 2.1 | 6.0 | 1.2 | 3.1 | 1.1 |
| 150 | | | 1.4 | 2.5 | 7.0 | 1.1 | 2.4 | 0.3 |

Autumn

| Date | 14/04/1975 | 12/01/1976 | 14/03/1978 | 10/04/1979 | 10/03/1980 | 7/07/1987 | 5/04/1988 | 4/04/1989 | 10/04/1990 |
|-----------|------------|------------|------------|------------|------------|-----------|-----------|-----------|------------|
| Depth (m) | | | | | | | | | |
| 0 | 0.8 | 0.5 | 0.0 | 0.3 | 0.0 | 2.0 | 1.1 | 2.1 | 0.1 |
| 10 | 0.4 | 1 | 0.0 | 0.0 | 0.3 | 1.6 | 1.3 | 2.5 | 0.6 |
| 20 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 1.0 | 1.3 | 2.4 | 1.3 |
| 30 | 0.1 | 0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.1 | 2.5 | 1.2 |
| 40 | 0.3 | 0.2 | 0.0 | 0.3 | 0.2 | 0.9 | 2.2 | 2.4 | 1.7 |
| 50 | 0.5 | 0.3 | 0.0 | 1.0 | 0.8 | 1.1 | 4.0 | 4.9 | 4.9 |
| 60 | 4.2 | 1.3 | 0.0 | 7.3 | 4.9 | 14.5 | 12.3 | 5.2 | 3.4 |
| 70 | 5.6 | 1.5 | 2.2 | 11.1 | 6.2 | 16.4 | 14.6 | 5.1 | 12.0 |
| 80 | 9.2 | 8.3 | 4.9 | 12.7 | 9.4 | 16.1 | 16.9 | 10.9 | 11.2 |
| 90 | 11.2 | 11.1 | 5.8 | 13.5 | 13.5 | 18.5 | 19.0 | 13.5 | 12.4 |
| 100 | 12.4 | 14 | 7.4 | 15.0 | 14.4 | 19.8 | 20.7 | 17.1 | 17.1 |
| 110 | 16.0 | | 9.2 | 14.8 | 15.7 | 20.2 | 19.1 | 20.4 | 16.2 |
| 120 | | | 10.1 | 15.0 | 16.7 | 20.9 | 18.6 | 23.3 | 18.2 |
| 130 | | | 8.0 | 16.6 | 18.9 | 21.9 | 21.5 | 24.2 | 17.9 |
| 140 | | | 11.0 | 17.3 | 19.4 | 22.1 | 25.4 | 27.1 | 22.4 |
| 150 | | | 14.2 | 19.7 | 19.9 | 21.5 | 27.0 | 28.6 | 24.2 |

DRP concentrations (mg m⁻³)

Spring

| Date | 18/11/1974 | 16/10/1975 | 4/10/1977 | 10/10/1978 | 5/10/1987 | 17/10/1988 | 6/10/1989 |
|-----------|------------|------------|-----------|------------|-----------|------------|-----------|
| Depth (m) | | | | | | | |
| 0 | 8.7 | 1.1 | 0.3 | 0.6 | 0.2 | 0.2 | 0.0 |
| 10 | 8.0 | 1.2 | 0.0 | 0.6 | 0.1 | 0.1 | 0.2 |
| 20 | 8.3 | 1.1 | 0.1 | 0.5 | 0.2 | 0.0 | 0.1 |
| 30 | 7.5 | 0.9 | 0.0 | 0.3 | 0.3 | 0.1 | 0.0 |
| 40 | 8.4 | 0.8 | 0.3 | 0.2 | 0.2 | 0.1 | 0.0 |
| 50 | 7.6 | 0.8 | 0.2 | 0.3 | 0.4 | 0.1 | 0.0 |
| 60 | 8.3 | 0.7 | 0.0 | 0.3 | 0.3 | 0.2 | 0.0 |
| 70 | 7.7 | 0.7 | 1.1 | 0.4 | 0.3 | 0.2 | 0.0 |
| 80 | 8.1 | 0.8 | 0.7 | 0.5 | 0.3 | 0.2 | 0.3 |
| 90 | 7.9 | 1.0 | 0.8 | 0.4 | 0.2 | 0.3 | 0.1 |
| 100 | 8.5 | 1.7 | 0.4 | 0.4 | 0.2 | 0.3 | 0.1 |
| 110 | 9.8 | 1.6 | 0.4 | 0.4 | 0.4 | 0.5 | 0.1 |
| 120 | | | 0.5 | 0.4 | 0.4 | 0.4 | 0.0 |
| 130 | | | 0.4 | 0.3 | 0.4 | 0.4 | 0.2 |
| 140 | | | 0.6 | 0.3 | 0.4 | 0.5 | 0.3 |
| 150 | | | 0.5 | 0.4 | 0.3 | 0.5 | 0.2 |

Autumn

| Date | 14/04/1975 | 12/01/1976 | 14/03/1978 | 10/04/1979 | 10/03/1980 | 7/07/1987 | 5/04/1988 | 4/04/1989 | 10/04/1990 |
|-----------|------------|------------|------------|------------|------------|-----------|-----------|-----------|------------|
| Depth (m) | | | | | | | | | |
| 0 | 0.8 | 1.4 | 0.2 | 0.1 | 0.7 | 1.9 | 0.1 | 0.0 | 0.2 |
| 10 | 0.5 | 1.4 | 0.2 | 0.1 | 0.4 | 2.2 | 0.1 | 0.0 | 0.0 |
| 20 | 0.5 | 7.0 | 0.2 | 0.1 | 0.3 | 0.9 | 0.2 | 0.0 | 0.1 |
| 30 | 0.5 | 2.5 | 0.2 | 0.1 | 0.2 | 1.0 | 0.2 | 0.0 | 0.2 |
| 40 | 0.5 | 0.2 | 0.2 | 0.4 | 0.5 | 0.9 | 0.6 | 0.2 | 0.5 |
| 50 | 0.5 | 0.9 | 0.7 | 1.0 | 0.7 | 0.7 | 1.1 | 0.5 | 1.1 |
| 60 | 1.0 | 0.1 | 0.7 | 1.6 | 1.0 | 3.4 | 2.0 | 0.6 | 0.9 |
| 70 | 1.0 | 0.8 | 1.0 | 2.0 | 1.1 | 3.7 | 2.2 | 0.9 | 1.9 |
| 80 | 1.7 | 1.2 | 1.5 | 2.2 | 1.6 | 3.6 | 2.7 | 1.1 | 1.7 |
| 90 | 2.0 | 2.0 | 1.8 | 2.4 | 2.2 | 4.1 | 2.9 | 1.3 | 1.8 |
| 100 | 2.2 | 3.3 | 1.9 | 2.7 | 2.4 | 4.6 | 3.1 | 1.9 | 2.6 |
| 110 | 2.9 | | 2.4 | 2.8 | 2.6 | 4.5 | 2.9 | 2.7 | 2.1 |
| 120 | | | 2.7 | 2.9 | 2.7 | 4.7 | 3.0 | 3.4 | 2.5 |
| 130 | | | 2.1 | 3.0 | 3.7 | 5.1 | 3.4 | 3.8 | 2.4 |
| 140 | | | 2.8 | 3.6 | 3.6 | 5.3 | 4.4 | 4.5 | 3.5 |
| 150 | | | 0.9 | 3.8 | 3.8 | 5.0 | 4.6 | 4.8 | 4.0 |

Elapsed period (days)

| | | | | | | | | | |
|--|-----|----|-----|-----|-----|------|-----|-----|-----|
| | 147 | 88 | 161 | 182 | 165 | 270* | 183 | 169 | 186 |
|--|-----|----|-----|-----|-----|------|-----|-----|-----|

??? = possible analytical problem (e.g., Si interference)

* = average period of 165 days plus 3 months