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**FINAL REPORT ON**

**2008 SNAP LAKE DISSOLVED OXYGEN REPORT**

**Submitted to:**

**De Beers Canada Inc.  
Yellowknife, Northwest Territories**

**2008**

**08-1349-0003/6170**



## **SUMMARY**

### **Why Do We Monitor Dissolved Oxygen in Snap Lake?**

Fish and the other animals living in Snap Lake use the oxygen that is dissolved in the water, much like people use the oxygen that is in the air they breathe. As part of the environmental assessment, De Beers predicted that the discharge of treated effluent to Snap Lake could result in a small decrease in the amount dissolved oxygen in lake water, but that concentrations would remain at a level that is healthy for the fish and other animals living in Snap Lake.

Dissolved oxygen in Snap Lake is monitored to ensure that concentrations remain at a level that is healthy for aquatic animals. Dissolved oxygen is measured more often during the period of ice cover because concentrations tend to be lower under-ice than during the ice-free season when wind-mixing re-aerates lake water.

Monitoring is required under the authority of the Water License, Environmental Agreement, Fisheries Authorization and Environmental Agreement.

### **What Did We Do in 2007 - 2008?**

Between June 2007 and May 2008, profiles of dissolved oxygen were measured throughout Snap Lake, including 13 stations where water depth is greater than eight metres, and five stations in Northeast Lake. Dissolved oxygen was monitored at relatively deep locations because concentrations tend to be lower in deeper waters. Measurements were made twice during the ice-free period and monthly during the period of ice cover, when weather permitted. Due to extremely cold temperatures during the months of January, February and March of 2008, a number of stations were not monitored because of safety concerns. Dissolved oxygen concentrations were compared with the minimum concentration required for fish and aquatic organisms to remain healthy. Also, the changes in concentration of dissolved oxygen during the period of ice cover in 2008 were compared with the changes observed in previous years, and with the changes predicted in the environmental assessment report.

### **What Did We Learn?**

Monitoring during the ice free season of 2007 and ice cover period of 2008 confirmed that the concentrations of dissolved oxygen in Snap Lake were at levels considered healthy for fish and other aquatic animals. Overall, dissolved oxygen concentrations in Snap Lake during the ice free and ice cover seasons have not decreased since the beginning of treated effluent discharge.

We will continue to monitor dissolved oxygen while the mine is operating to confirm that levels remain within the healthy range for the fish and other animals living in Snap Lake.

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## TABLE OF CONTENTS

<b><u>SECTION</u></b>	<b><u>PAGE</u></b>
1 INTRODUCTION.....	1
1.1 REGULATORY REQUIREMENTS.....	1
1.2 DISSOLVED OXYGEN DYNAMICS IN LAKES .....	2
1.3 APPROACH.....	3
2 METHODS .....	5
2.1 DATA COLLECTION METHODS .....	5
2.2 DATA ANALYSIS.....	8
2.2.1 Assessment of Actual Change, 1999 to 2008.....	9
2.2.2 Assessment of Relative Change Near and Far from the Diffuser.....	9
2.3 QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES .....	11
2.3.1 Equipment.....	12
2.3.2 Field Methods.....	12
2.3.3 Data Analysis .....	12
3 RESULTS AND DISCUSSION.....	13
3.1 ASSESSMENT OF ACTUAL CHANGE, 1999 TO 2008 .....	13
3.2 ASSESSMENT OF RELATIVE CHANGE OVER THE ICE COVERED SEASON NEAR AND FAR FROM THE DIFFUSER (2005 TO 2008) .....	15
3.2.1 Summary of 2005 to 2007 DO Monitoring Results .....	15
3.2.2 2008 .....	16
3.2.3 Comparison of Relative Change in DO Concentration Between 2005 and 2008 .....	20
4 CONCLUSIONS .....	23
5 CLOSURE .....	24
6 REFERENCES.....	25

### LIST OF TABLES

Table 2-1	Stations Deeper Than Eight Metres Sampled During Ice Cover, 2008 .....	5
Table 3-1	Relative Change in Dissolved Oxygen Concentration Under Ice Cover in 2008 Compared with EAR Predictions .....	17

### LIST OF FIGURES

Figure 2-1	Water Quality Monitoring Locations in Snap Lake (July 2007 to May 2008).....	6
Figure 2-2	Water Quality Monitoring Locations in Northeast Lake (July 2007 to May 2008).....	7
Figure 2-3	Field Conductivity Profiles in Snap Lake and Northeast Lake (April 2008).....	10
Figure 3-1	Dissolved Oxygen Concentration During Ice Covered Conditions, 1999 to 2008 .....	14
Figure 3-2	Ice covered Dissolved Oxygen Concentrations in Snap Lake and Northeast Lake, 2008 .....	18
Figure 3-3	Mean Relative Change in Dissolved Oxygen Concentration Over Time in Snap Lake.....	21
Figure 3-4	Mean Relative Change in Dissolved Oxygen Concentration Over Time in Snap Lake Near the Diffuser Relative to the Northwest Arm .....	22

### LIST OF APPENDICES

Appendix I	Sampling Stations, 1999 to 2008
Appendix II	Profiles, 1999 to 2008
Appendix III	QA/QC Results, 2006 to 2008

## ACRONYMS

AEMP	Aquatic Effects Monitoring Program
CCME	Canadian Council of Ministers of the Environment
De Beers	De Beers Canada, Inc.
DFO	Fisheries and Oceans Canada
DO	dissolved oxygen
EAR	Environmental Assessment Report
FA	Fisheries Authorization
Golder	Golder Associates Ltd.
Mine	Snap Lake Mine
QA/QC	quality assurance and quality control
SNP	Surveillance Network Program
UTM	Universal Transverse Mercator

## UNITS

°C	degree Celsius
km	kilometre
m	metre
mg/L	milligrams per litre

# 1 INTRODUCTION

De Beers Canada Inc. (De Beers) owns and operates the Snap Lake Mine (Mine), which is located 220 kilometres (km) northeast of Yellowknife, Northwest Territories. As part of the Fisheries Authorization (FA) for the Mine, De Beers is required to submit to Fisheries and Ocean Canada (DFO) an annual report on the results of under-ice monitoring of dissolved oxygen (DO) concentrations. This report has been prepared to meet the requirements of the De Beers Fisheries Authorization. It includes a comparison of the DO concentrations observed in 2008 with observations made in previous years, and with the change in DO concentration predicted in the Environmental Assessment Report (EAR) (De Beers 2002).

## 1.1 REGULATORY REQUIREMENTS

The EAR for the Mine (De Beers 2002) was submitted to the Mackenzie Valley Environmental Impact Review Board in February 2002. In 2004, De Beers received the Water License (MV2001L2-0002 [Mackenzie Valley Land and Water Board 2004]), Fisheries Authorization (SC00196 [Fisheries and Oceans Canada 2006]), and Environmental Agreement (Minister of Indian and Northern Affairs et al. 2004) necessary to begin operations at Snap Lake.

The FA for the Mine was issued in August 2004 after submission of the Aquatic Effects Monitoring Program (AEMP) in July 2004 (De Beers 2004), which was amended in July 2005 (De Beers 2005a). Section 5.3 of the FA outlines DO monitoring that is required to assess the EAR predictions of possible Mine effects on DO concentrations in Snap Lake.

Specifically, Section 5.7 of the Fisheries Authorization states the following:

5.7 *De Beers shall obtain Dissolved Oxygen (DO) profiles from deep areas (>8 m) in Snap Lake monthly from February through May (under ice), throughout the mine life or as otherwise determined by DFO, in order to verify that DO concentrations do not decrease below concentrations predicted in the EAR.*

5.7.1 *De Beers shall monitor for changes in the deep water benthic invertebrate community in late winter (including abundance, biomass, species diversity) in conjunction with DO monitoring.*

5.7.2 *The results of DO monitoring are to be provided to DFO July 31st of each year. The results of the benthic invertebrate monitoring are to be provided to DFO by March 31st of each*

*year. Each report should have a plain language summary suitable for dissemination to affected Aboriginal groups.*

*5.7.3 If monitoring shows DO concentration below concentrations predicted in the EAR and/or impairment of the benthic invertebrate community as defined by environmental effects monitoring protocols, De Beers shall implement mitigation measures approved by DFO.*

The objective of the DO monitoring program is to confirm that any decrease in oxygen consumption during ice cover is small and that DO concentrations will remain within the range that is healthy for fish and benthic invertebrates.

## **1.2 DISSOLVED OXYGEN DYNAMICS IN LAKES**

The concentration of DO in lake water represents the balance among the processes that introduce oxygen into the water and remove oxygen from the water. Re-aeration by wind-mixing, and photosynthesis by algae and aquatic plants, introduce oxygen into the water. Respiration by algae and animals, decomposition, or oxidation, of organic matter in water and sediment, and the oxidation, or nitrification, of ammonium remove oxygen from the water.

Water temperature affects the concentration of DO in water by setting the maximum amount of oxygen that can be dissolved in water, or the *saturation* concentration. The saturation concentration of DO decreases as water temperature increases. After ice-out, for example, as lake water warms from near-zero to 20 or more degrees Celsius (°C), the saturation concentration of DO decreases by several milligram per litre (mg/L). During the period of ice cover, when water temperature varies by only a few °C, the saturation concentration of DO varies by about 1 mg/L.

During the ice free period, wind-mixing re-aerates lake water, depending on depth. In shallow lakes like Snap Lake, which has an average depth of about 5.5 metres (m), wind-mixing keeps the majority of lake water well-oxygenated. Below the maximum depth of wind-mixing, DO concentrations may decrease due to the oxidation of the organic matter that settles out of the water column onto lake sediments. Two areas of Snap Lake are substantially deeper than the average lake depth, i.e., near the permanent diffuser and at the western end of the northwest arm water depth is greater than 30 m. The DO concentration in these deep areas may be lower than in other lake areas.

During ice cover, re-aeration by wind is prevented, and the amount of photosynthesis in the water column is limited by the small amount of light that

penetrates through snow and ice. Therefore, the concentration of DO gradually decreases with depth. In some unusual lakes, water inflow with ice cover may continue to re-aerate the deepest parts of the lake. However, this has not been observed in Snap Lake.

The amount of oxygen in the water column at the time of ice formation is determined by meteorological factors, i.e., the incidence of wind and hot weather, and their indirect effects on photosynthesis. Because the amount of oxygen in lake water at freeze-up varies from year-to-year, a comparison of the concentrations across years does not necessarily indicate that there has been a change in the amount of oxygen consumed under-ice. A more meaningful measure of oxygen consumption under ice cover, which is called relative change, is obtained by subtracting late winter concentrations from values measured soon after lake freeze-up.

The EAR (De Beers 2002) predicted that DO concentrations in Snap Lake might decrease by as much as 1.0 mg/L in surface waters, and by up to 2.2 mg/L in bottom waters. The predicted decrease in DO concentration with ice cover was due to increased nitrification of ammonium and increased decomposition of organic matter. Ammonium is a by-product of blasting and decomposition; the concentration of ammonium in Snap Lake water was expected to increase due to the Mine. The organic matter in lakes originates from both the terrestrial ecosystem surrounding lakes and from the primary production within lakes; the amount of phytoplankton production in Snap Lake was expected to increase as a result of increased phosphorus loading to Snap Lake.

To remain healthy, aquatic organisms require oxygen concentrations above 5 to 6 mg/L (Canadian Council of Ministers of the Environment [CCME] 1999). Based on the maximum predicted decrease in DO concentration of 1 mg/L in surface waters, and 2.2 mg/L in bottom waters (De Beers 2002), less than 10% of the lake area and volume would potentially be affected. DO concentrations in the majority of Snap Lake, including all spawning shoals, were expected to remain at levels that are healthy for fish and other aquatic life forms.

### 1.3 APPROACH

The Key Question addressed in this report is: *Were there changes in DO concentrations, were the changes consistent with the EAR predictions and, if not, were the changes attributable to the Mine?"*

Mine effects on the concentration of DO throughout Snap Lake were expected to be greatest close to the discharge from the diffuser and to develop over time. To detect spatial patterns in actual DO concentration (i.e., change in absolute

concentration rather than relative concentration) within the lake since discharge, the report compares DO concentrations in lake areas near and far from the diffuser discharge for the period of 1999 to 2008.

The relative change in DO concentration over the period of ice cover in 2008 and previous years was used in this report to assess whether there has been a change in DO consumption under ice covered conditions since the beginning of treated effluent discharge. The amount of change, if any, was compared with the EAR prediction of up to a 2.2 mg/L decrease in DO concentration in bottom waters.

Relative change, which represents the change in oxygen concentration between designated dates, is a measure of oxygen uptake and is of considerable value in assessing change from one year to the next. Relative change in oxygen concentration was assessed by comparing the DO profiles measured monthly during the period of ice cover. Here the focus is on stations with depth greater than 8 m, as specified in the FA, since deeper stations have the greatest potential to reveal the magnitude of any decrease in DO concentration.

## 2 METHODS

### 2.1 DATA COLLECTION METHODS

Profiles of dissolved oxygen (DO) concentrations in Snap Lake and Northeast Lake were measured at 23 Aquatic Effects Monitoring Program (AEMP) stations one or more times during open water in 2007, and two or more times during the period of ice cover in 2008 (January to May) (Figure 2-1 and 2-2). Decreases in DO concentration are typically observed during the months of ice cover, thus the observations between January and May are a suitable basis for assessing changes in DO concentrations under ice cover. Northeast Lake is a reference lake and receives no discharge from the Snap Lake Mine (Mine). The subset of the stations that have depths greater than 8 metre (m), which are discussed in this report, are shown in Table 2-1.

**Table 2-1 Stations Deeper Than Eight Metres Sampled During Ice Cover, 2008**

Lake Area	Station	Depth (m)	2008 Ice covered Programs				
			January	February	March	April	May
Diffuser	SNP02-20d	12	x	x	x	x	x
	SNP02-20e	30	x	x	x	x	x
	SNP02-20f	15	x	x	x	x	x
Near-field	SNAP05	14	x	x	-	x	x
	SNAP14	13	x	x	-	x	x
	SNAP06	13	-	-	-	x	x
Mid-field	SNAP09	15	x	x	-	x	x
	SNAP11A	16	-	x	-	x	x
Far-field	SNAP07	11	x	-	-	x	x
	SNAP08	9	x	x	-	x	x
Northwest arm	SNAP02A	11	-	-	-	x	x
	SNAP20	14	-	-	-	x	-
	SNAP20B	35	-	x	-	x	x
Northeast Lake	NEL01	12	-	x	n/a	-	n/a
	NEL02	12	-	x	n/a	-	n/a
	NEL05	12	-	x	n/a	-	n/a

Notes: m = metres; - = not profiled due to cold-weather conditions; n/a = not applicable because AEMP does not include monitoring at Northeast Lake in March and May.





Baseline under ice conditions were assessed in March, February, and May, of 1999, 2003, and 2004, respectively (Golder Associates Ltd. [Golder] 2003, De Beers Canada, Inc. [De Beers] 2002). One location was monitored in 1999, and in 2003 and 2004, DO profiles were measured at 13 and five locations, respectively. Since discharge of treated effluent began in June 2004, stations throughout Snap Lake have been sampled regularly to monitor water quality, including the concentration of DO through the water column (De Beers 2005b, 2006, 2007a; Golder 2008). Monitoring under the AEMP at Northeast Lake through the AEMP began in July 2007. The universal transverse Mercator (UTM) coordinates of all sampling locations from 1999 to 2008 are provided in Appendix I, Table I-1.

Since monitoring began, efforts have been made to sample the deepest water near each station because DO concentrations tend to be lowest in deep waters. This, combined with difficulties in selecting locations with particular water depths has resulted in minor variations over time in the sampling locations at some stations. As a result, the UTM coordinates in Appendix I, Table I-1 should be considered as approximate.

At each station, DO concentration, pH, water temperature, and specific conductivity (referred to as conductivity hereafter) were measured at 1-m intervals from the water surface to within 1 m of the lake bottom. Profile measurements were made using a YSI 650 MDS water quality meter and YSI 600 QS multi-parameter water quality probe equipped with a 60-metre underwater cable. Ice depth was measured using a metre stick, and water depth with the YSI probe. At each station, UTM coordinates, date and time of collection, and weather were recorded.

Since 2005, the DO measurements made using the YSI probe have been checked by collecting bottom water samples for determination of DO concentration by the Winkler method.

## 2.2 DATA ANALYSIS

The Key Question, “*Were there changes in DO concentrations, were the changes consistent with the Environmental Assessment Report (EAR) predictions and, if not, were the changes attributable to the Mine?*” was answered by:

- evaluating the 1999 to 2008 DO data, to assess whether there were greater differences in actual DO concentration near the diffuser compared to far from the diffuser since the beginning of treated effluent discharge, which would indicate an effect attributable to the Mine;

- evaluating the DO data from 2005 to 2008 separately for each year, by comparing the relative changes in DO concentrations under ice cover in lake areas near and far from the diffuser to EAR predictions; and
- evaluating the DO data from 2005 to 2008 by comparing the relative change in DO concentrations under ice cover between years (i.e., over time) in lake areas near and far from the diffuser.

Combining these approaches is important because natural variability may result in differences in actual DO concentrations among years that are greater than the maximum predicted decrease of 2.2 milligrams per litre (mg/L) in deep water, and of 1.0 mg/L in shallow water. Comparison of actual concentrations is useful to detect spatial patterns. However, only relative changes were considered appropriate for comparisons with EAR predictions.

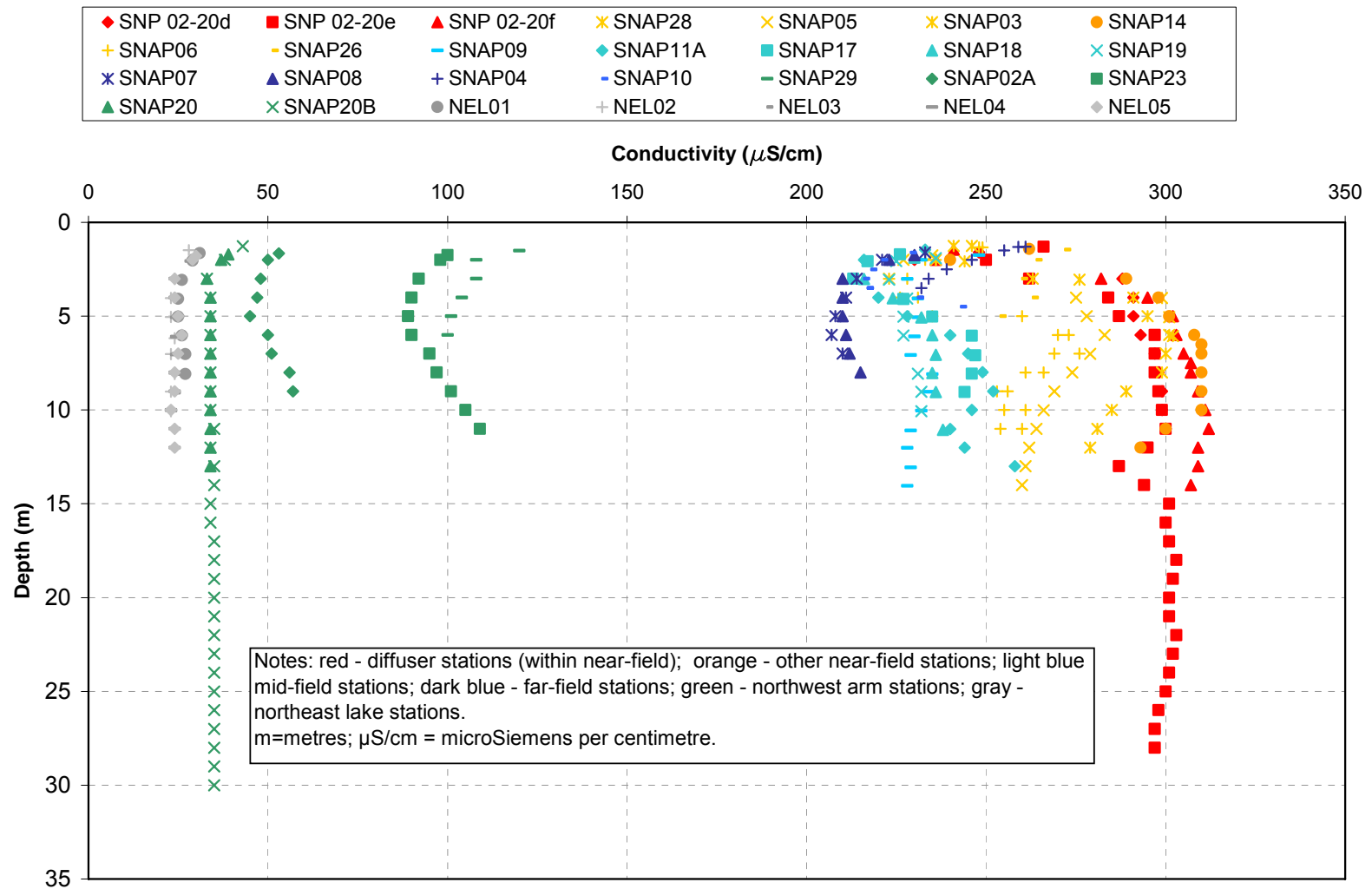
### **2.2.1 Assessment of Actual Change, 1999 to 2008**

Baseline DO concentrations were measured during the period of ice cover in 1999, 2003, and 2004 (Golder 2003, De Beers 2002). It was expected that any effects of treated effluent discharge on DO concentrations would be greatest in the near-field area, and lowest in the far-field area and northwest arm. To assess whether a spatial pattern in DO concentration has developed in Snap Lake since the beginning of treated effluent discharge in June 2004, DO concentrations from 1999 to 2008 were compared between two different lake areas: 1) near-field and mid-field and 2) far-field and northwest arm. The two main lake areas were defined based on the level of conductivity which serves as an indicator of the treated effluent discharge (Figure 2-3).

### **2.2.2 Assessment of Relative Change Near and Far from the Diffuser**

The EAR predictions for changes in DO are based on changes beyond annual variations in DO in surface and bottom waters. DO concentrations can vary annually due to natural factors such as climatic conditions (e.g., warmer temperatures will allow less oxygen to be dissolved in the water). Therefore, comparing changes in DO concentration in areas near the diffuser to DO concentrations from a reference area is critical for distinguishing Mine-related effects from changes due to natural variation. For the purposes of this assessment, the northwest arm of Snap Lake and the Northeast Lake are considered to be reference areas. In 2008, the most westerly station in the northwest arm (SNAP20B) was used as a reference area because conductivity measurements, which are used to identify the presence of treated effluent, are similar to bottom conductivity levels in Northeast Lake, the designated reference lake for the Mine (Figure 2-3).

**Figure 2-3 Field Conductivity Profiles in Snap Lake and Northeast Lake (April 2008)**



The selected time period over which to compare a change in DO to EAR predictions was the early to late winter period. DO levels throughout the water column return to or remain at near-saturation concentrations during the open-water season because Snap Lake is relatively shallow, and is well-mixed during open-water conditions. However, during the ice covered period, DO concentrations are generally expected to decrease, particularly near the bottom, due to natural biological activity, such as the uptake of oxygen by biological activity in organic-rich sediments. However, decreases beyond EAR predictions (i.e., 2.2 mg/L for bottom waters and 1 mg/L for surface waters) that are not due to natural variation would require further investigation to determine whether there was an effect beyond EAR predictions.

The change in DO concentration over the period of ice cover (i.e., between early and late winter) in the years from 2005 to 2008 was determined by plotting the monthly DO concentration profiles measured near the diffuser, and in the near-field, mid-field, far-field, and northwest arm to determine relative change at 4, 8, and 12 m depths, and near the lake bottom, in 2005, 2006, 2007 and 2008. Results from previous years (i.e., 2005 to 2007) have been summarized and detailed comparison results for 2008 are presented in this report.

The 4 m depth was selected to characterize surface waters because ice cover may reach 1.5 m, and augering through ice to sample the water column has the potential to disturb waters and thereby change DO concentration. The 8 and 12 m depths were selected to characterize mid-depth and deep waters. The lake bottom at each station was selected because that is where DO concentrations tend to be lowest.

Relative changes in DO concentration were evaluated by:

- comparing differences in relative change between the northwest arm and near the diffuser at each of the depths with the changes in DO concentration predicted by the EAR, separately for each year; and
- assessing the trends over time in relative change in DO concentration under ice cover among lake areas.

## **2.3 QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES**

The Quality Assurance and Quality Control (QA/QC) procedures for DO monitoring were designed to ensure that field sampling, laboratory analysis, data analysis, and report preparation produce valid results. The QA/QC procedures cover field and office activities, field methods and the maintenance and operation

of field equipment, and office practices including data validation. Additional detail on QA/QC procedures can be found in the AEMP Report (Golder 2008).

### **2.3.1 Equipment**

Field water quality meters were maintained regularly and calibrated daily using standard solutions. Results of the calibration, and any required maintenance were recorded in the field notebooks.

The Kemmerer sampler, which was used to collect the water samples for determination of DO concentration by Winkler titration, was inspected regularly to confirm proper functioning.

### **2.3.2 Field Methods**

Specific Work Instructions, which outlined the field tasks, were provided to the field personnel. Detailed field notes were recorded in waterproof field books and pre-printed waterproof field data sheets in either pencil or permanent marker. Data sheets and sample labels were checked for accuracy at the end of each field day.

Since 2005, Winkler titrations have been performed to confirm the calibration of the YSI DO meter and accuracy of the field measurements. Whenever possible, titrations were performed on water samples collected at the depth of minimum DO concentration. Care was taken to ensure that air bubbles were not entrapped when filling the DO bottles. The DO concentrations obtained using Winkler titrations are compared with the corresponding YSI probe concentrations in Appendix III. The utility of the Winkler titrations for confirming the YSI measurements of DO is discussed in detail in Appendix III.

### **2.3.3 Data Analysis**

Data were analyzed using Microsoft Excel. Analyses were checked on an ongoing basis for accuracy, and unexpected or inconsistent results were re-analyzed. When possible, data were transferred directly from Excel spreadsheets to the report to avoid transcription errors.

### **3 RESULTS AND DISCUSSION**

Appendix II presents the dissolved oxygen (DO), temperature, and pH data collected to date for the Snap Lake Mine (Mine) (i.e., Environmental Assessment Report (EAR), technical hearings, Water License, and Surveillance Network Program [SNP] and Aquatic Effects Monitoring Program [AEMP] annual reports). The results of the quality assurance/quality control (QA/QC) procedures are presented in Appendix III.

#### **3.1 ASSESSMENT OF ACTUAL CHANGE, 1999 TO 2008**

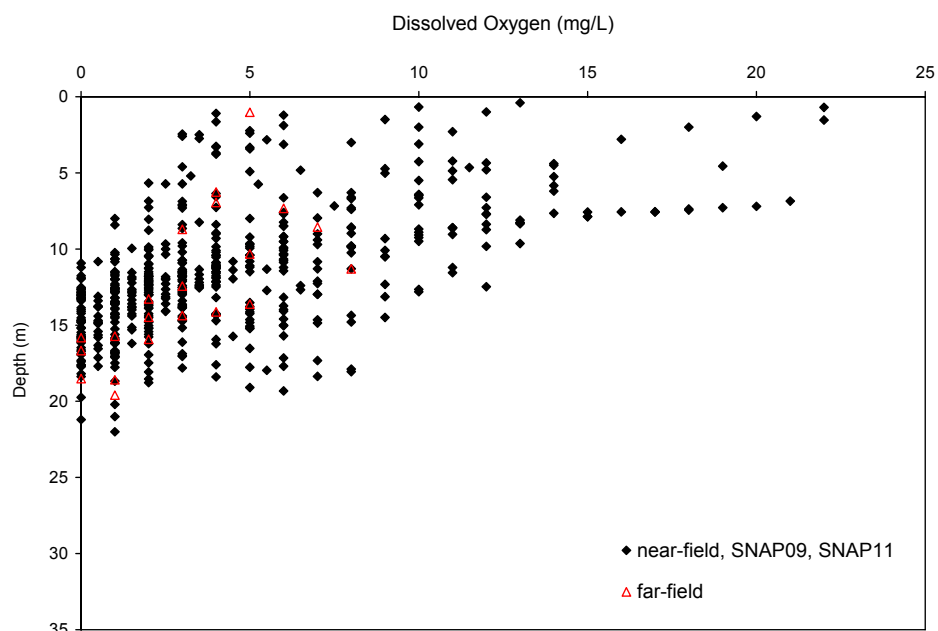
Vertical profiles of DO concentration during ice cover between 1999 and 2008 are shown in Figure 3-1. In the figure, all DO data collected before treated effluent discharge are combined on one graph (panel a), and data collected during discharge are plotted separately for each year (panels b, c, d and e). A greater number of deeper stations was sampled in 2006 to 2008 compared to 2005 (Figure 3-1, panels b to e) because stations were moved to deeper locations to assess conditions in bottom waters.

No evidence of a decrease in DO near the bottom of Snap Lake was found at the near-field, far-field, and northwest arm stations during 2005 through 2008, with the possible exception of a decrease at one deep location (approximately 30 m) near the diffuser. In general, the data suggest that mine effluent may have resulted in higher DO concentrations near the bottom of the lake at near-field stations during the winters of the years 2005 to 2008. During the winters of 1999 to 2004 (i.e., before discharge began), the amount of DO in the water column of Snap Lake decreased with depth to near 0 mg/L at deeper near-field, far-field, and northwest arm stations (Figure 3-1, panel a). In general, DO concentrations at near-field stations in the winters of 2005 to 2008 (since discharge began) show a lower decrease with depth and higher minimum DO concentration compared to far-field and northwest arm stations or to near-field stations between 1999 and 2004 (Figure 3-1, panels b to e).

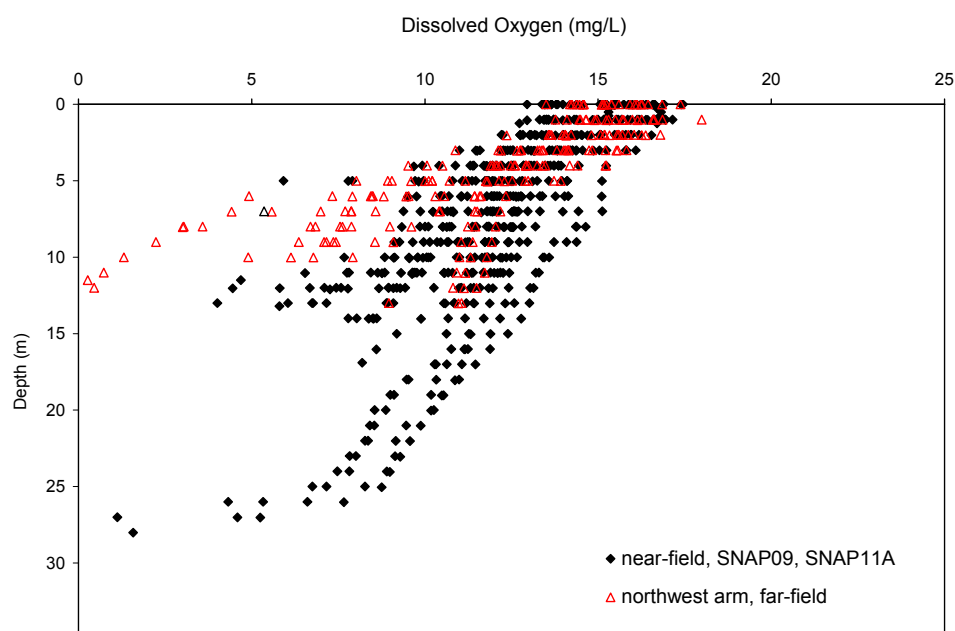
The exception to this pattern is observed when comparing the bottom DO concentrations at the two deepest stations in Snap Lake: SNAP20B (35 m), which is located in the most westerly portion of the northwest arm (farthest from the main basin where the discharge occurs) and SNP 02-20e, which is located approximately 160 m south of the diffuser. In April 2008, bottom DO concentrations at SNP 02-20e decreased to a greater extent in the deepest 5 metres of the water column compared to SNAP20B (Figure 3-1, panel f). However in February and May 2008, there was a similar decrease in DO with depth (Figure 3-1, panel f).

Figure 3-1 Dissolved Oxygen Concentration During Ice Covered Conditions, 1999 to 2008

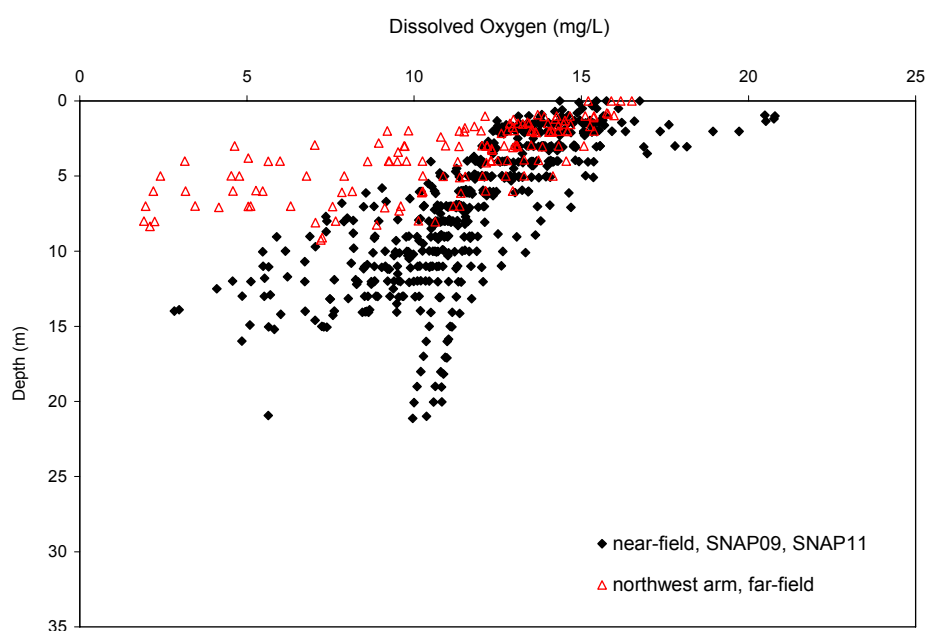
a. 1999 to 2004



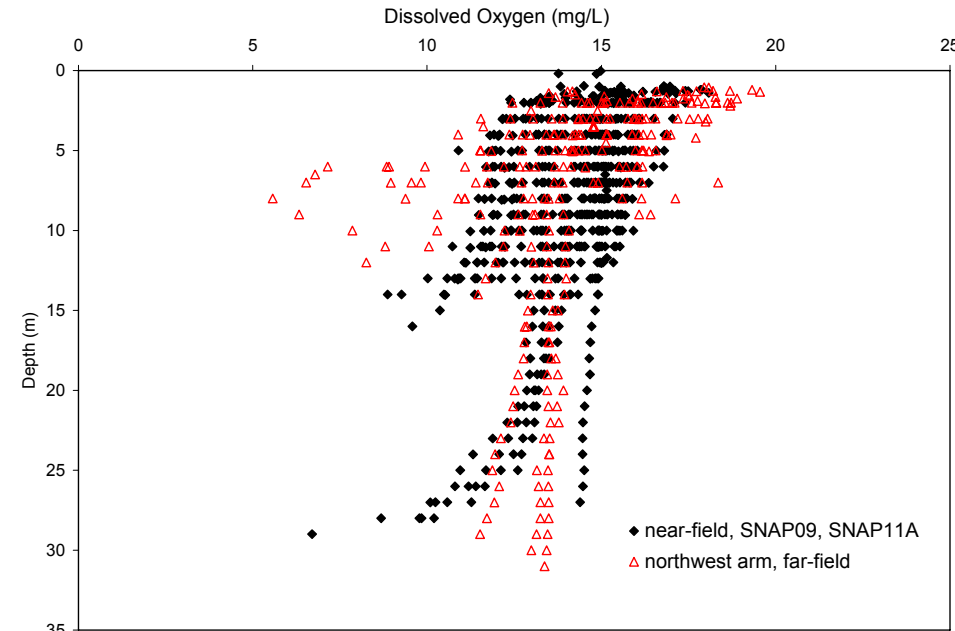
d. 2007



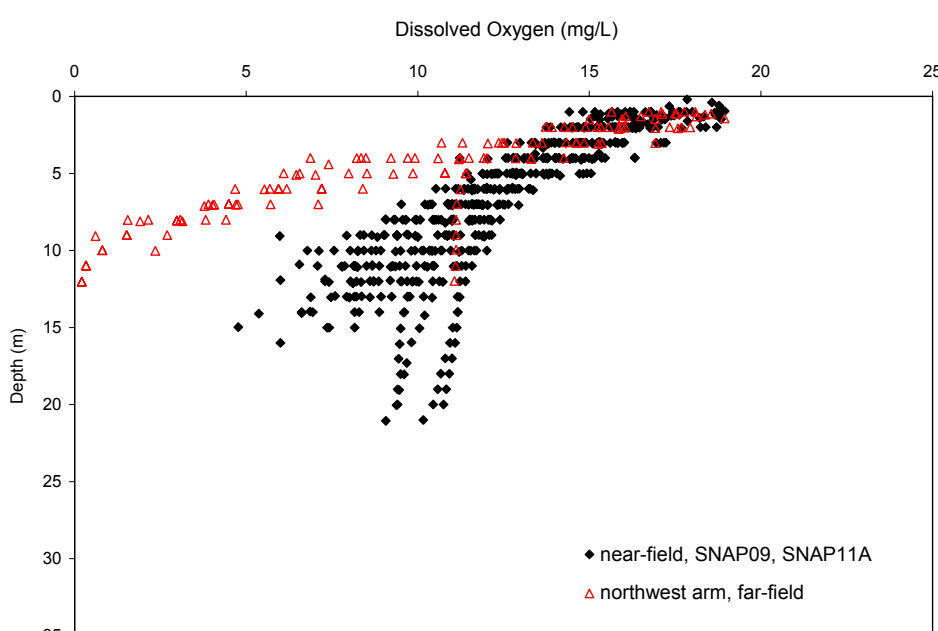
b. 2005



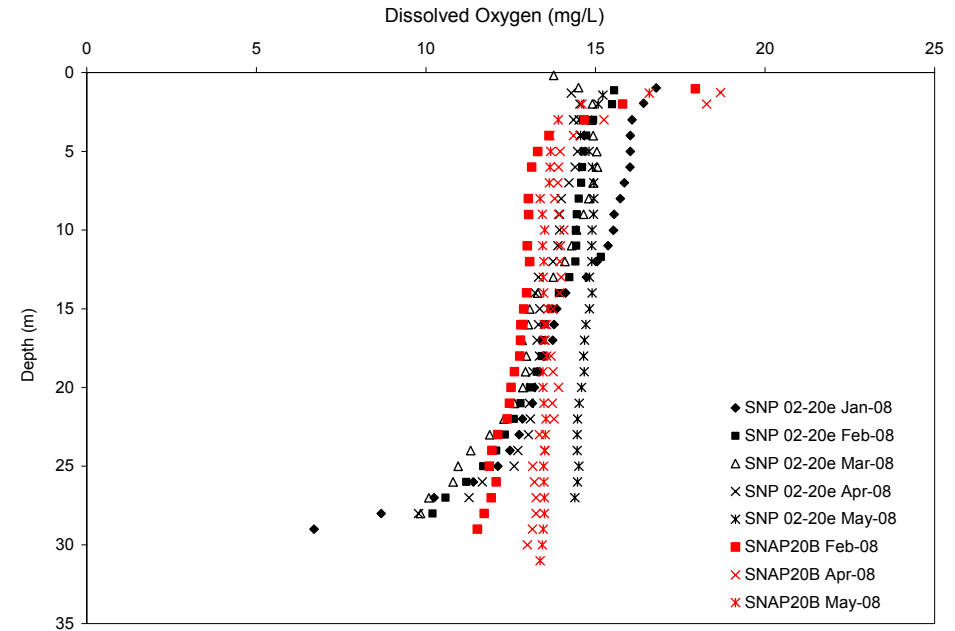
e. 2008



c. 2006



f. Northwest Arm and Diffuser Station (2008)



Notes: mg/L = milligrams per litre; m = metres; Jan = January; Feb = February; Mar = March; Apr = April.

## **3.2 ASSESSMENT OF RELATIVE CHANGE OVER THE ICE COVERED SEASON NEAR AND FAR FROM THE DIFFUSER (2005 TO 2008)**

### **3.2.1 Summary of 2005 to 2007 DO Monitoring Results**

In 2005, changes in DO concentrations near the diffuser were greater than those predicted in the EAR (De Beers Canada, Inc. [De Beers] 2002). Compared with the northwest arm (assuming the northwest arm served as reference site in 2005), the decrease in surface water DO concentration was greater by 2.3 mg/L near the diffuser, or about twice the amount predicted in the EAR (Table 2-2 in De Beers 2007b). The decrease DO concentration in bottom waters near the diffuser was 4.1 mg/L greater than in the northwest arm, or about twice the EAR prediction (Table 2-2 in De Beers 2007b).

In 2006, changes in DO concentrations near the diffuser were greater in surface waters and less in deep waters than those predicted in the EAR (De Beers 2002). Comparison of the relative changes in DO near the diffuser and in the northwest arm indicates a 2.2 mg/L greater decrease in diffuser surface waters (i.e., twice the DO loss predicted in the EAR), and a 0.3 mg/L greater decrease in diffuser bottom waters (i.e., a fraction of the decrease predicted in the EAR) (Table 2-3 in De Beers 2007b).

In 2007, changes in DO concentrations near the diffuser were similar to the surface water prediction, and less than the deep water prediction made in the EAR (De Beers 2002). The decrease in concentration of DO in surface waters near the diffuser was 0.8 mg/L greater than in the northwest arm (similar to the decrease predicted in the EAR) (Table 2-4 in De Beers 2007b). The decrease in DO concentration in bottom waters near the diffuser was 0.9 mg/L greater than in northwest arm (about one-half the decrease predicted in the EAR) (Table 2-4 in De Beers 2007b).

Analysis of relative changes in the 2005 to 2007 DO data showed inconsistency among years in DO changes with ice cover in areas closer to the diffuser compared to areas farther from it. The pattern in 2005, but not 2006 and 2007, was consistent with the predicted effect of the treated effluent discharge; however, in the absence of baseline data on relative changes in DO concentration at the same locations, some uncertainty remains regarding this effect.

The trend over time in the amount of DO loss during the ice covered period is generally inconsistent with an effect due to the treated effluent. Between 2005 and 2007, there was a change from greater than predicted DO losses near the diffuser relative to the northwest arm, to slightly less than the predicted losses in surface water and about half the predicted losses in bottom waters. Because an effect on DO due to the discharge of treated effluent is expected to increase over time rather than decline, this result suggests that the observed trend may be caused by another factor. It remains possible that this trend reflects an interaction between the apparent overall positive effect on bottom DO described in Section 3.1, which varies spatially depending on effluent dispersion, and the increase in the amount of effluent discharged to Snap Lake during the years monitored. Another factor that needs to be considered when evaluating DO data is the potential for an effect on DO concentrations in the northwest arm from releases of treated effluent to the wetlands periodically through 2007 (Golder 2008).

### **3.2.2 2008**

During the period of ice cover in 2008, the concentration of DO decreased with depth in Snap Lake (including the northwest arm) and Northeast Lake (Figure 3-2, panels a to j). Between early and late winter, the concentration of DO in the most westerly portion of the northwest arm (i.e., farthest away from the main basin where the mine discharge occurs) increased by approximately 1 mg/L throughout the water column (Figure 3-2, panel a).

At the far-field stations of Snap Lake, there was, on average, a moderate increase (i.e., 1.2 to 4.2 mg/L) in DO concentration in both surface and bottom waters between early and late-winter (Figure 3-2, panels c to d and Table 3-1). At the mid-field, near-field, and near diffuser stations of Snap Lake, there was a range from a slight to moderate decrease (i.e., 0.7 to 2.3 mg/L) in DO concentration within 8 metres of the surface (Table 3-1). In waters deeper than 8 metres, within the same three areas, there was either a smaller decrease or an increase (decrease of 0.9 to an increase of 1.1 mg/L) between early and late-winter (Table 3-1). In Northeast Lake, the reference lake, slight to moderate decreases in DO concentrations (i.e., 0.4 to 2.4 mg/L) occurred between early and late winter at all depths (Figure 3-2, panels i and j).

**Table 3-1 Relative Change in Dissolved Oxygen Concentration Under Ice Cover in 2008 Compared with EAR Predictions**

Depth (m)	Type of Value	January to April Change in DO (mg/L) <sup>(a)</sup>						Change at Diffuser Relative to the Northwest Arm (mg/L)	Change at Diffuser Relative to the Northeast Lake (mg/L)	Maximum EAR Predicted Change in DO Concentration (mg/L)
		Northwest Arm	Northeast Lake	Far-field	Mid-field	Near-field	Diffuser			
4	mean	0.7	-1.9	1.2	-2.3	-0.9	-1.2	-1.92	0.7	-1
	range	n/a	-2.4 to -1	-0.4 to 2.9	-2.6 to -1.9	-1.7 to 0.5	-1.5 to -0.8			
	n	1	3	2	2	3	3			
8	mean	0.8	-1.2	3.8	-1.4	-0.7	-1	-1.78	0.2	-2.2
	range	n/a	-1.7 to -0.5	1.4 to 6.2	-2.6 to -0.1	-1.7 to 0.5	-1.7 to -0.6			
	n	1	3	2	2	3	3			
12	mean	0.9	n/a	n/a	-0.9	0.1	-0.6	-1.5	n/a	-2.2
	range	n/a	n/a	n/a	-2.4 to 0.5	-0.5 to 0.6	-1.3 to 0			
	n	1	0	0	2	2	3			
bottom	mean	0.9	-1.0	4.2	-0.5	0.0	1.1	0.2	2.1	-2.2
	range	0.4 to 1.5	-1.7 to -0.4	2.3 to 6.2	-2.1 to 1.2	-1.7 to 3.3	-0.5 to 3.1			
	n	1	3	2	2	3	3			

Notes: m = metres; mg/L = milligrams per litre; DO = dissolved oxygen; EAR = Environmental Assessment Report (De Beers 2002); n = number of data points; n/a = not applicable because either only one or two data points were available for Northeast Lake or an area of Snap Lake.

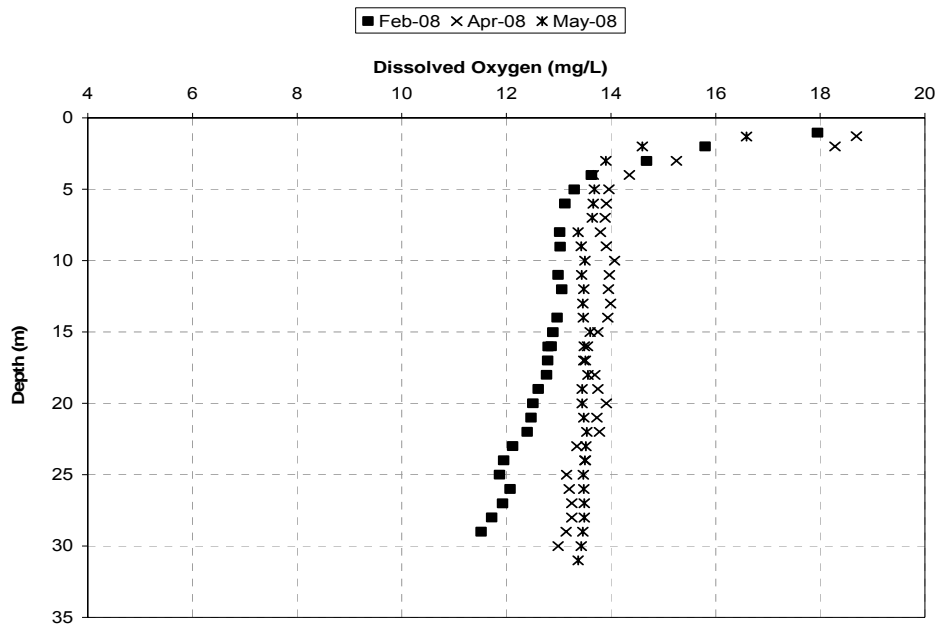
Positive values indicate an increase in DO concentrations under ice cover.

Negative values indicate a decrease in DO concentrations under ice cover.

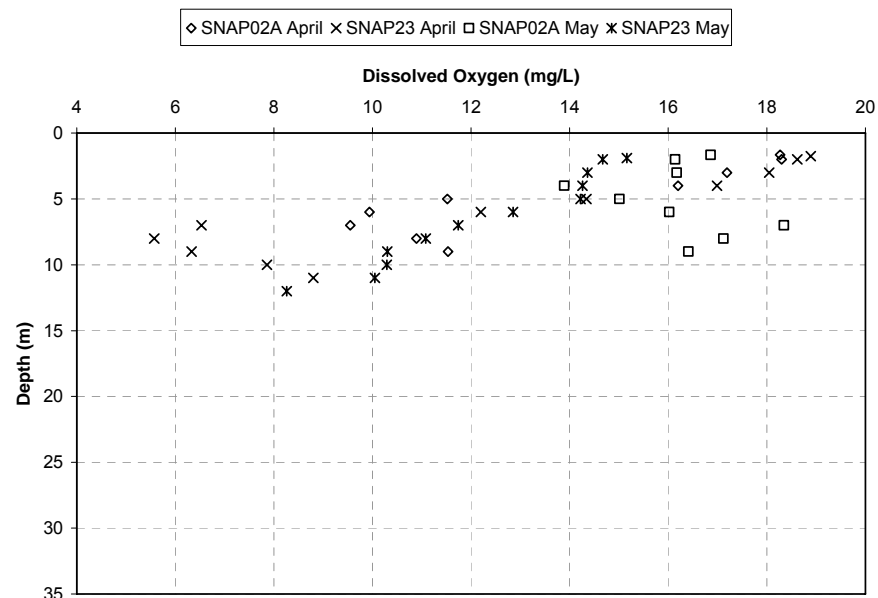
<sup>(a)</sup> Data are shown for stations where January data were available; if January data were not available, February data were used to represent early winter conditions.

Figure 3-2 Ice Covered Dissolved Oxygen Concentrations in Snap Lake and Northeast Lake, 2008

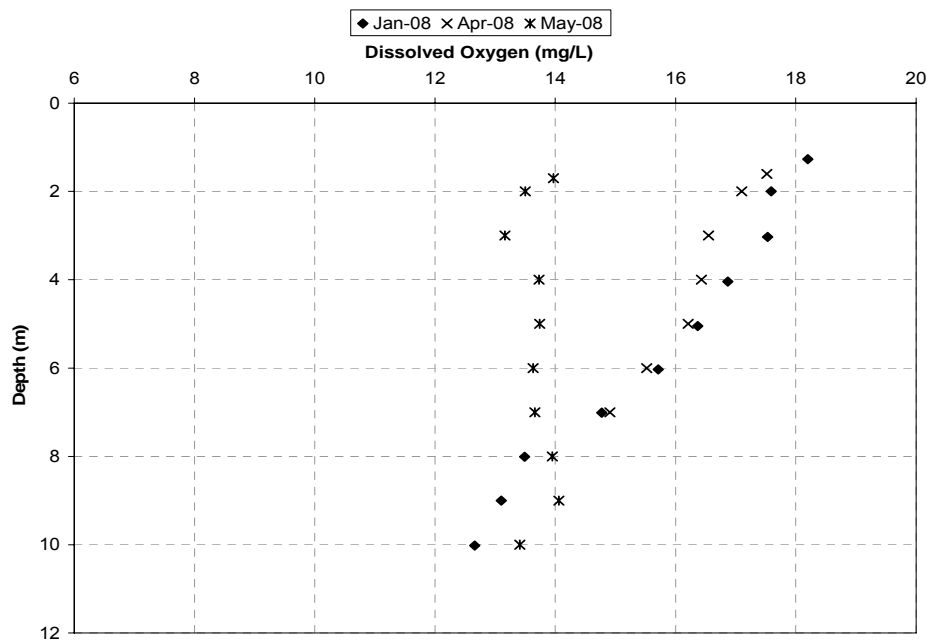
Snap Lake - Northwest arm  
a. SNAP20B



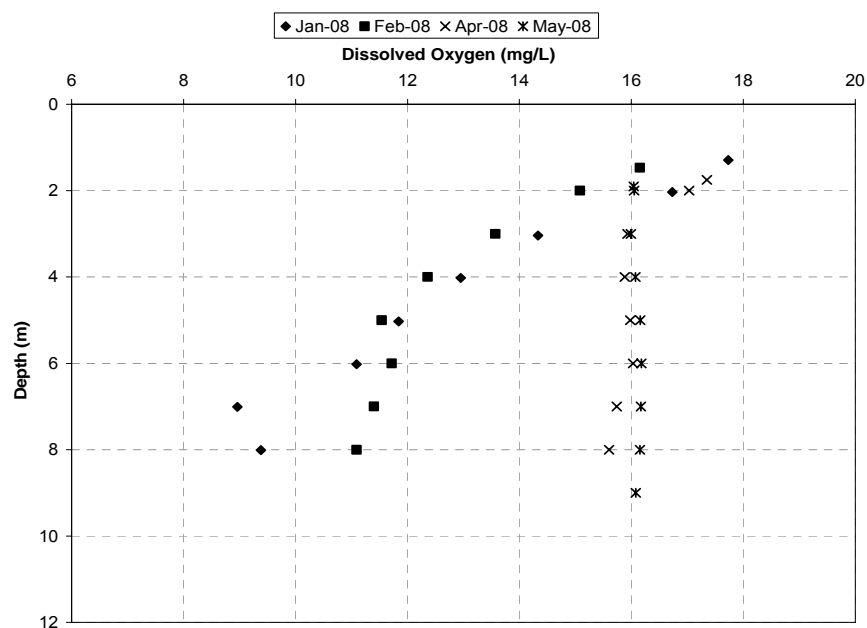
b. SNAP02A and SNAP23



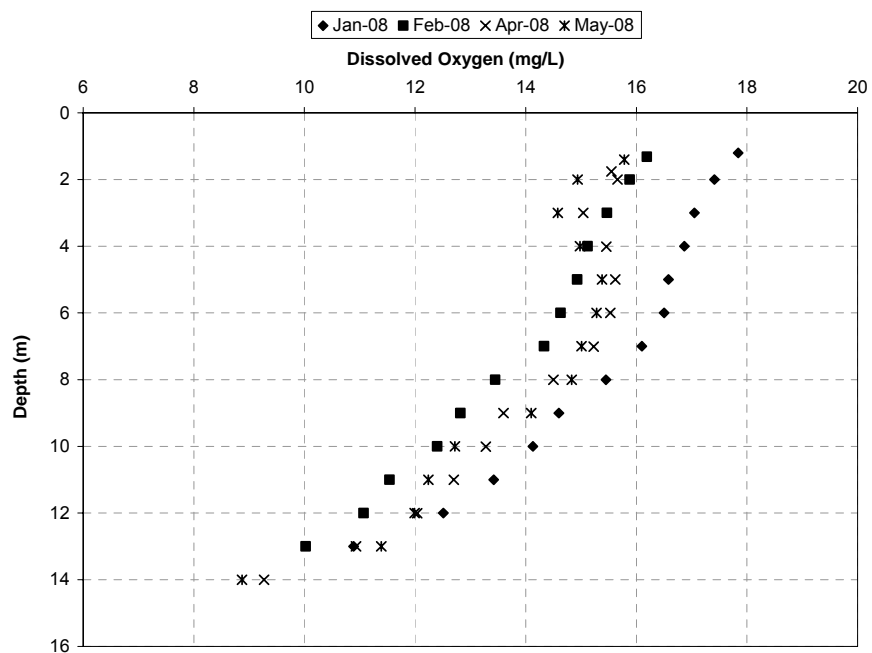
Snap Lake - Far-field  
c. SNAP07



d. SNAP08



Snap Lake - Near-field  
e. SNAP05



f. SNAP14

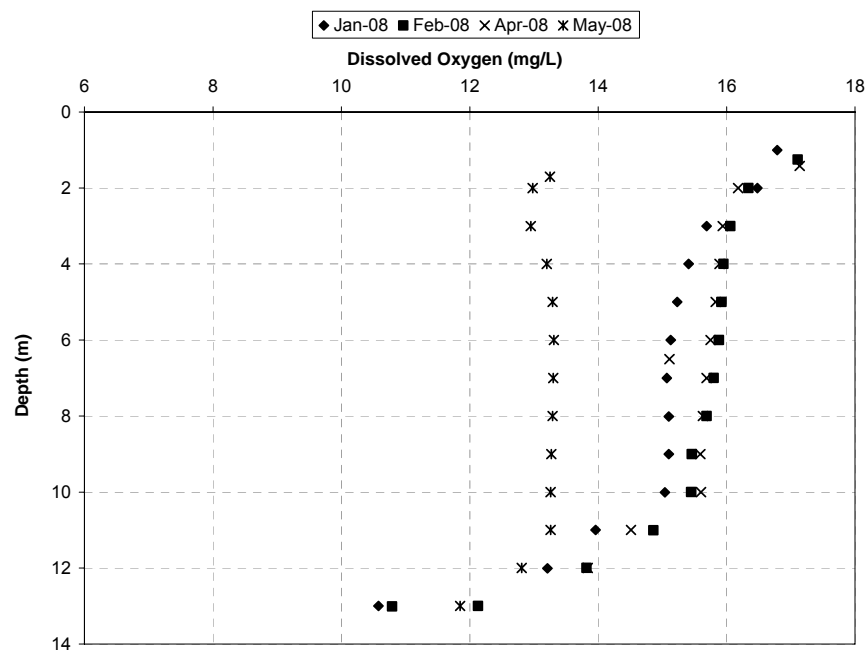
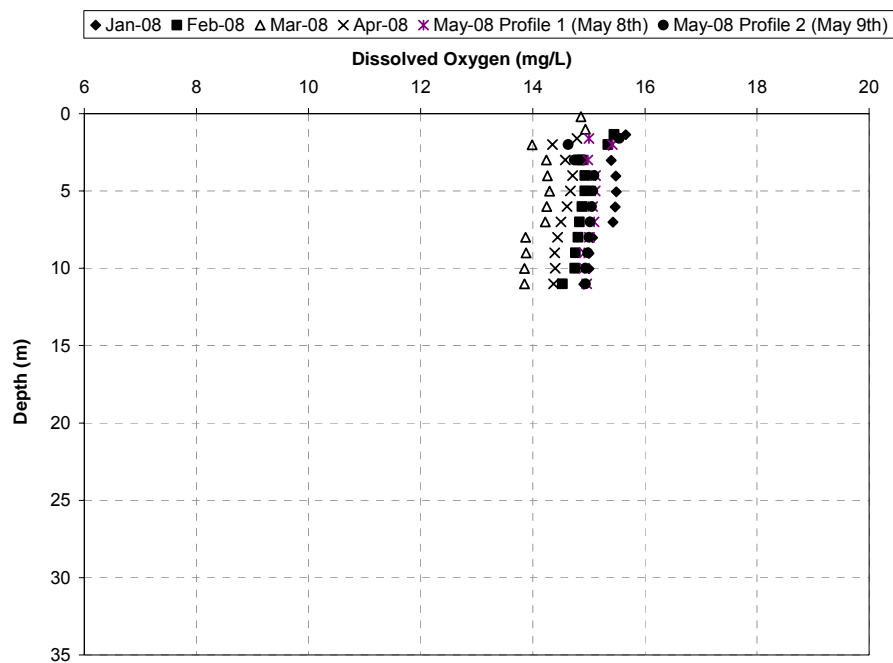
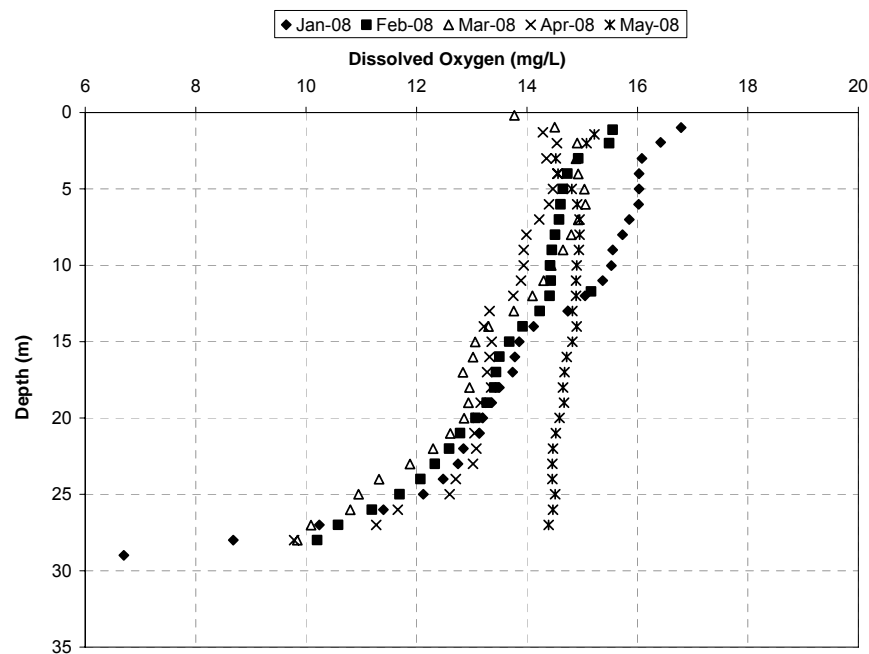


Figure 3-2 Ice covered Dissolved Oxygen Concentrations in Snap Lake and Northeast Lake, 2008 (continued)

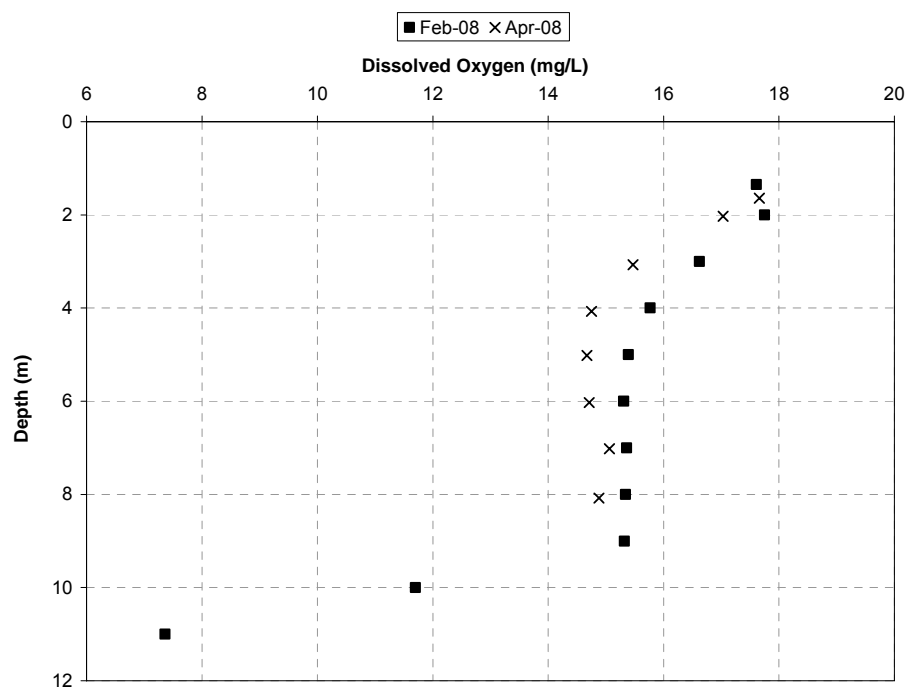
Snap Lake – Near diffuser  
g. SNP 02-20d



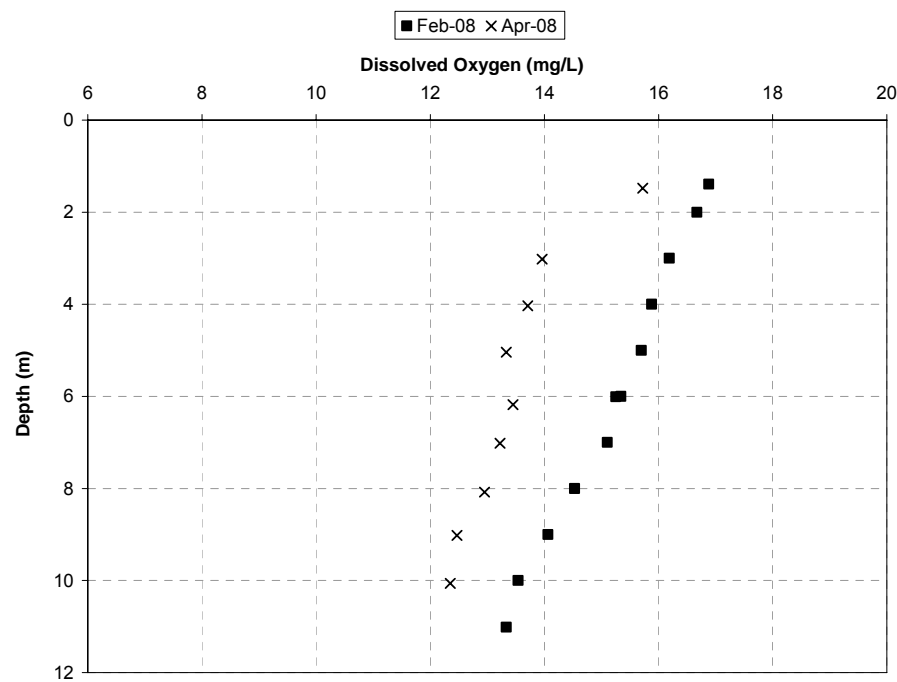
h. SNP 02-20e



Northeast Lake  
i. NEL01



j. NEL02



Notes: m = metres; mg/L = milligrams per litre; Jan = January; Feb = February; Mar = March; Apr = April.

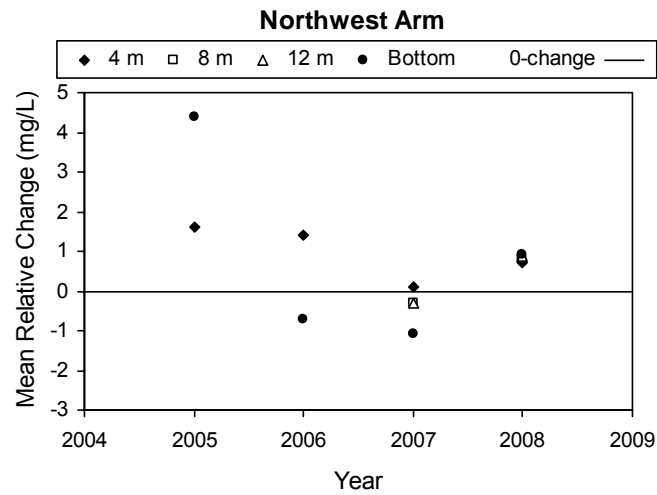
### **3.2.3 Comparison of Relative Change in DO Concentration Between 2005 and 2008**

Between 2005 and 2007, in the northwest arm, there was a shift in surface and deep waters from increases in DO concentration between February and April, to no change to a slight decrease in the concentration of DO during that period (Figure 3-3, panel a). A similar trend was observed in Snap Lake (i.e., the relative change in DO concentration under ice cover has shifted from small increases and small decreases in 2005, to decreases throughout the water column in 2007 [Figure 3-3, panels b to d]). However, in 2008 there were relative decreases in DO concentrations were less or DO concentrations were increasing across the lake at most depths and at most locations (Figure 3-3, panel a to d). Exceptions to this pattern occurred at the 4 and 8 metre depths near the diffuser, where the relative decrease in DO concentrations decreased further. However, the relative decreases at these locations have fluctuated (no consistent trend) between 2005 and 2008 and therefore, may simply reflect background year-to-year variation rather than a mine-related effect.

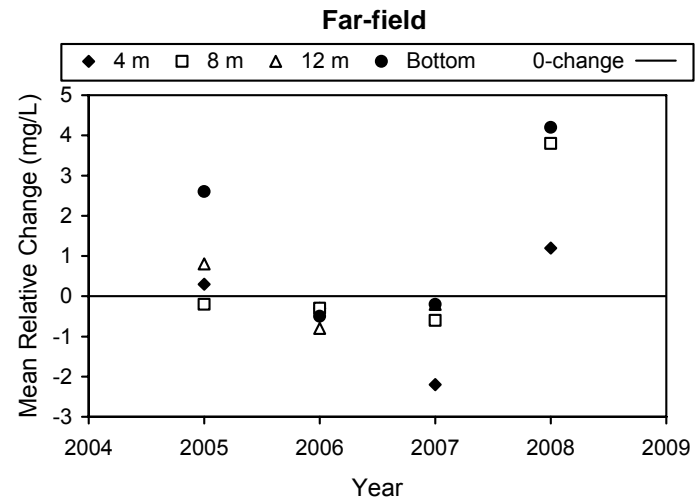
The cause of the general reversal of the decreasing trend in 2008 is unclear; as noted above for the station near the diffuser, it is possible that these fluctuations reflect natural year-to-year variation. No clear temporal pattern between 2005 and 2008 at any depth in the change in DO concentrations between early and later winter at the diffuser relative to the northwest arm was observed (Figure 3-4). The relative changes in bottom DO concentrations presented in Figure 3-4 (solid circles) were within the predicted values in the EAR for changes in DO concentrations at the bottom (2.2 mg/L) of Snap Lake. The relative changes in surface DO concentrations presented in Figure 3-4 (solid diamonds) were slightly greater (1 mg/L) than the predicted values in the EAR for changes in DO concentrations at the surface (1 mg/L) of Snap Lake.

**Figure 3-3 Mean Relative Change in Dissolved Oxygen Concentration Over Time in Snap Lake**

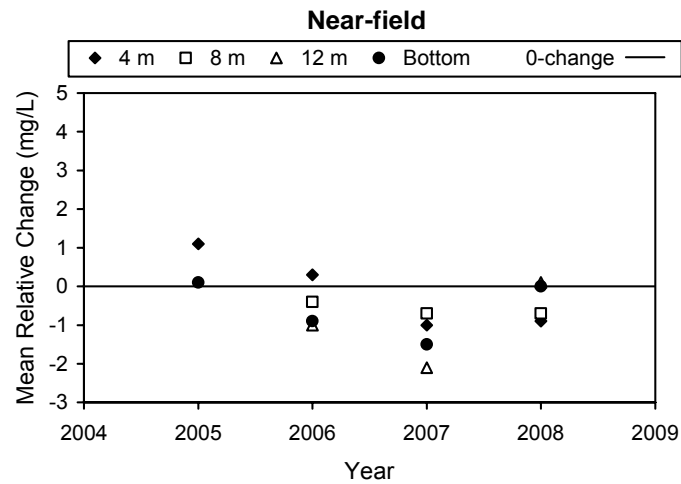
a.



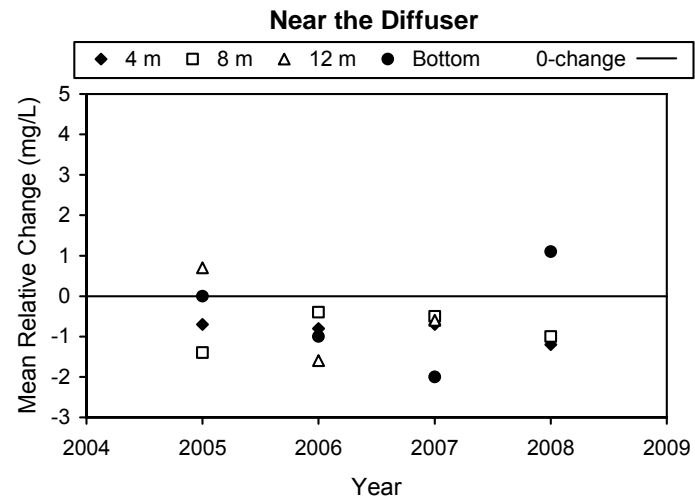
b.



c.

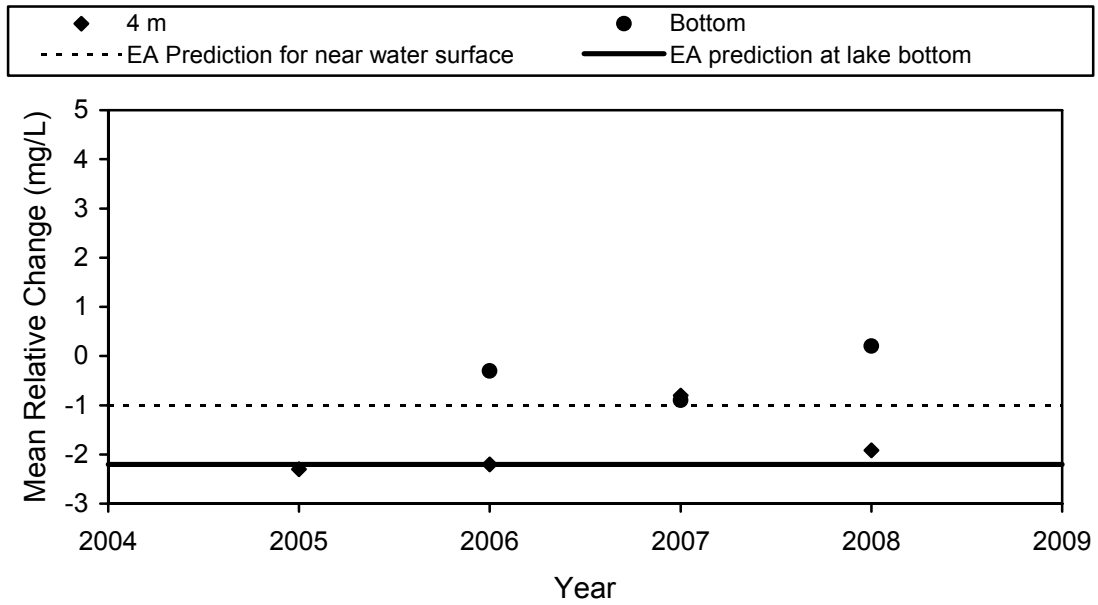


d.



Notes: m = metres; mg/L = milligrams per litre.

**Figure 3-4 Mean Relative Change in Dissolved Oxygen Concentration Over Time in Snap Lake Near the Diffuser Relative to the Northwest Arm**



Notes: m = metres; mg/L = milligrams per litre.

## 4 CONCLUSIONS

Since the discharge of treated effluent to Snap Lake, the concentration of dissolved oxygen (DO) during the period of ice cover has increased relative to baseline. Likely, the increase in DO concentration with ice cover relative to baseline is due to the discharge of oxygenated treated effluent, which is ongoing throughout the period of ice cover.

In 2008, the concentration of DO has been well above the Canadian Environmental Quality guidelines (CCME) during both ice free and ice cover throughout Snap Lake and the northwest arm, except in bottom waters at relatively deep stations. Low DO concentrations in deep water during the ice cover period are characteristic of background conditions in Snap Lake.

The Key Question addressed in this report was: “*Were there differences in dissolved oxygen conditions in Snap Lake, were the differences consistent with those predicted in the Environmental Assessment Report (EAR) and, if not, were differences attributed to the Mine?*”. Analysis of the 2005 to 2008 DO data as relative changes showed inconsistencies among years in DO changes during the winter in areas closer to the diffuser compared with areas farther from it. In 2008, deeper waters near the diffuser had smaller decreases in DO compared to shallower waters near the diffuser, indicating that treated effluent input may be increasing bottom DO concentrations near the discharge. The trend over time in the amount of DO loss during the winter also is generally inconsistent with an effect due to the treated effluent.

Measurements of DO profiles in the northwest arm, Snap Lake, and the reference lake (i.e., Northeast Lake), will continue to be made to confirm that changes in DO concentration under ice remain within the EAR predictions, and to further characterize the range of natural variability.

## 5 CLOSURE

We trust the above meets your present requirements. If you have any questions or require additional details, please contact the undersigned.

### **GOLDER ASSOCIATES LTD.**

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R:\Active\2008\1349\08-1349-0003 Snap Lake Regulatory\6100 Aquatics - Fisheries Authorization\6170 TDS, DO and Benthic Reporting\DO Report\Senior Review\DO report (24Jul08).doc

## 6 REFERENCES

- Canadian Council of Ministers of the Environment (CCME). 1999 (with 2001, 2002 updates). Canadian Environmental Quality Guidelines for the Protection of Aquatic Life.
- De Beers Canada Inc. (De Beers). 2002. Snap Lake Diamond Project: Environmental Assessment Report. Submitted to the Mackenzie Valley Environmental Impact Review Board. February 2002.
- De Beers. 2004. Aquatic Effects Monitoring Plan for the Snap Lake Diamond Project. Submitted to the Mackenzie Valley Land and Water Board. July 2004.
- De Beers. 2005a. Aquatic Effects Monitoring Plan for the Snap Lake Project (amended). Submitted to the Mackenzie Valley Land and Water Board. June 2005.
- De Beers. 2005b. 2004 Annual Report in Support of the Aquatic Effects Monitoring Program: Snap Lake Project. Submitted to the Mackenzie Valley Land and Water Board. March 2006.
- De Beers. 2006. 2005 Annual Report in Support of the Aquatic Effects Monitoring Program: Snap Lake Project. Submitted to the Mackenzie Valley Land and Water Board. March 2006.
- De Beers. 2007a. 2006 Annual Report in Support of the Aquatic Effects Monitoring Program: Snap Lake Project. Submitted to the Mackenzie Valley Land and Water Board. April 2007..
- De Beers 2007b. 2007 Snap Lake Dissolved Oxygen Report. Submitted to Fisheries and Oceans Canada. July 2007.
- Fisheries and Oceans Canada (DFO). 2006. Authorization for Undertaking Affecting Fish Habitat. For the Snap Lake Diamond Project DFO File No. SC00196.
- Golder Associates Ltd. (Golder). 2003. Technical Memorandum: Snap Lake Diamond Project, Dissolved Oxygen Baseline for Snap Lake – 2003 Program. February 27, 2003.

Golder 2008. 2007 Annual Report in Support of the Aquatic Effects Monitoring Program: Snap Lake Mine. Submitted to the Mackenzie Valley Land and Water Board. March 2008

Mackenzie Valley Land and Water Board. 2004. Water License MV2001L2-0002 (Type "A") for the Snap Lake Diamond Project.

Minister of Indian and Northern Affairs, Government of the Northwest Territories, De Beers Canada Mining Inc., Dogrib Treaty 11 Council, Lutsel K'e Dene Band, Yellowknives Dene First Nation and North Slave Métis Alliance. 2004. Environmental Agreement for the De Beers Snap Lake Diamond Project. May 31, 2004.

**APPENDIX I**

**SAMPLING STATIONS, 1999 TO 2008**

**Table I-1 Under-ice Dissolved Oxygen Monitoring Stations in Snap Lake, 2004 to 2008**

Station	Year	Easting (m)	Northing (m)
WQ1	1999	507315	7052640
WQ2	1999	510266	7054340
WQ3	1999	509127	7051365
WQ4	1999	512049	7053929
WQ6	1999	500947	7052484
WQ7	1999	505641	7053353
1	2003	511909	7053959
2	2003	510864	7053342
3	2003	510615	7052373
4	2003	510215	7052186
5	2003	509909	7051636
6	2003	510305	7051005
7	2003	509638	7051808
8	2003	509796	7053184
9	2003	509266	7053041
10	2003	509177	7052604
11	2003	509258	7051991
12	2003	508785	7051535
13	2003	508741	7050819
14	2003	508575	7049969
15	2003	508339	7049825
16	2003	508220	7050287
17	2003	508249	7051270
18	2003	507825	7051386
19	2003	508286	7051940
20	2003	508314	7052330
21	2003	508436	7052949
22	2003	508482	7053557
23	2003	508674	7053732
24	2003	510029	7054290
25	2003	510432	7054445
26	2003	507928	7053416
27	2003	507820	7052629
28	2003	508010	7052241
29	2003	507493	7052083
30	2003	507532	7052393
31	2003	507612	7053009

**Table I-1 Under-ice Dissolved Oxygen Monitoring Stations in Snap Lake, 2004 to 2008 (continued)**

Station	Year	Easting (m)	Northing (m)
32	2003	507347	7053502
33	2003	507204	7052932
34	2003	507192	7052666
35	2003	507292	7052580
36	2003	506864	7052235
37	2003	508110	7053259
38	2003	505481	7053342
39	2003	500919	7052460
40	2003	502150	7052972
41	2003	503408	7054287
42	2003	503636	7053288
43	2003	507013	7051686
44	2003	508707	7052439
45	2003	509093	7052237
46	2003	509042	7049576
47	2003	511172	7054707
48	2003	511279	7053929
49	2003	509505	7052574
50	2003	507873	7050874
SNAP01	2004 to 2006	502100	7053000
SNAP02	2004 to 2006	503650	7053300
SNAP02A	2007 to 2008	503680	7053281
SNAP03	2004 to 2008	507900	7053400
SNAP04	2005, 2007 to 2008	509952	7054110
SNAP05	2004 to 2008	5084350	7052950
SNAP06	2004 to 2008	509450	7052600
SNAP07	2004 to 2008	510850	7053350
SNAP08	2004 to 2008	511900	7053950
SNAP09	2004 to 2008	509900	7051650
SNAP10	2005, 2007 to 2008	508801	7049847
SNAP11	2004 to 2006	508750	7051550
SNAP11A	2007 to 2008	508666	7051757
SNAP12	2004 to 2008	507800	7052650
SNAP13	2004 to 2007	507150	7052700
SNAP14	2004 to 2008	507550	7053100
SNAP15	April, 2006	507369	7052724
SNAP16	April, 2006	509160	7052667

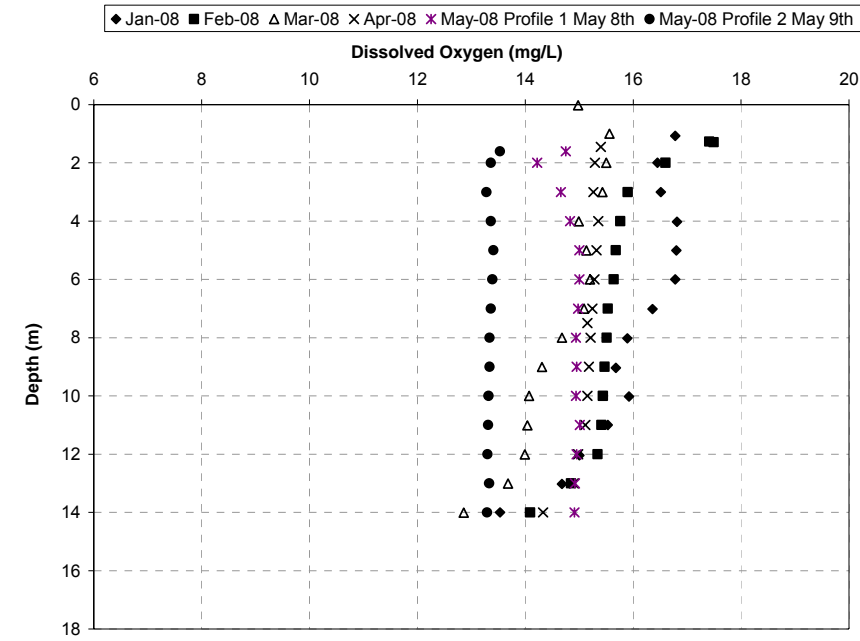
**Table I-1 Under-ice Dissolved Oxygen Monitoring Stations in Snap Lake,  
2004 to 2008 (continued)**

<b>Station</b>	<b>Year</b>	<b>Easting (m)</b>	<b>Northing (m)</b>
SNAP17	April, 2006 to 2008	508591	7051333
SNAP18	April, 2006 to 2008	509185	7051424
SNAP19	April, 2006 to 2008	510126	7051800
SNAP20	2006 to 2007, April 2008	500835	7052390
SNAP20B	2007 to 2008	500483	7052497
SNAP23	2006 to 2008	505390	7053358
SNP02-20a (SNAP25)	2005 to 2007	506819	7052168
SNP02-20b (SNAP26)	2005 to 2008	506718	7052116
SNP02-20c (SNAP27)	2005 to 2007	506607	7052180
SNAP28	2006 to 2008	507021	7052790
SNAP29	2006 to 2008	506563	7053378
SNP02-20d	2006 to 2008	507411	7052845
SNP02-20e	2006 to 2008	507158	7052607
SNP02-20f	2006 to 2008	507316	7052949

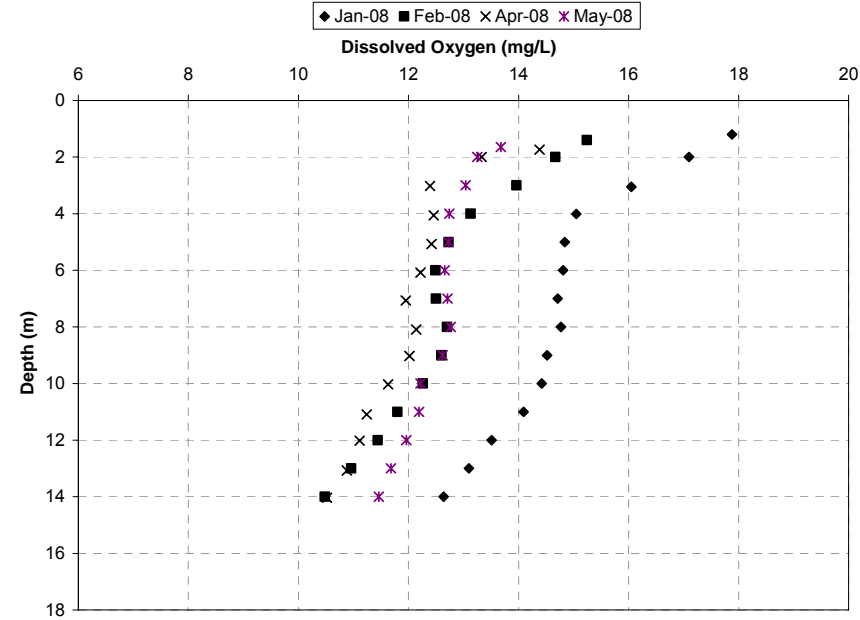
**APPENDIX II**  
**PROFILES, 1999 TO 2008**

Figure II-1 Additional Profile Data for Deep Stations (>8 metres), 2008

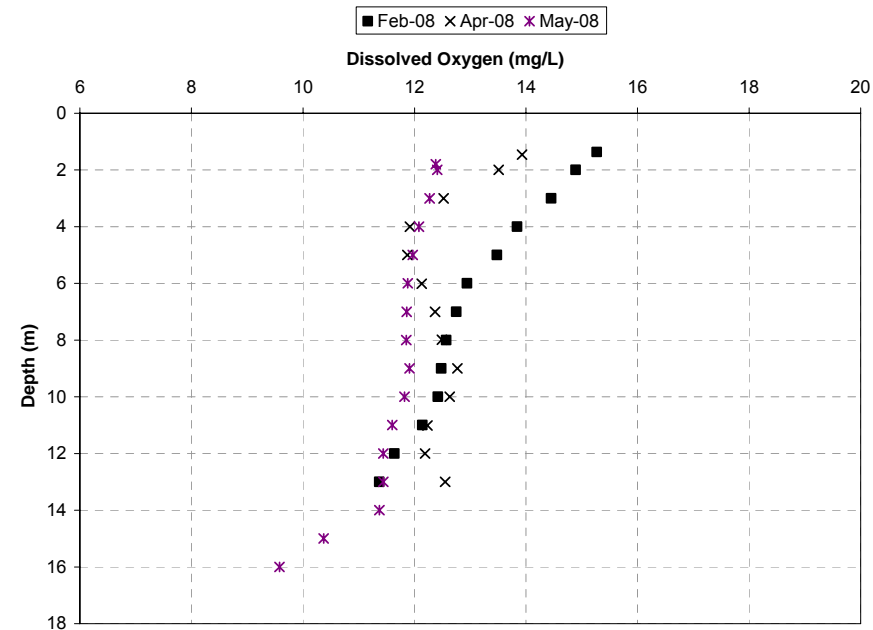
a. SNP 02-20f



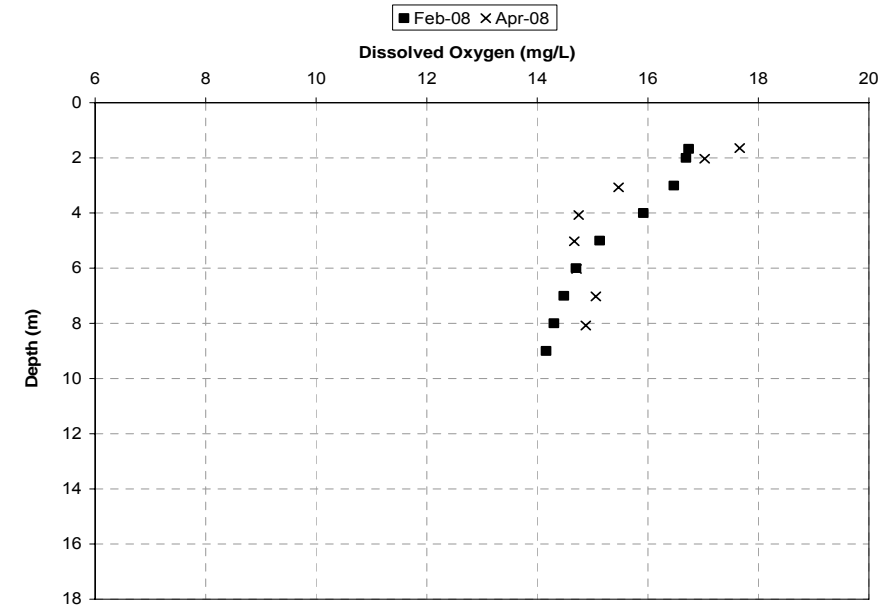
b. SNAP09



c. SNAP11A



d. NEL05



Notes: m = metres; mg/L =milligrams per litres.

**Table II-1 1999 Profile Data, Snap Lake**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)	pH
WQ1	24-Mar-99	1.0	0.0	16.2	6	7.6
		3.0	0.1	13.9	3	7.1
		5.0	1.1	13.0	4	7.7
		7.0	1.4	13.0	5	6.8
		9.0	1.9	10.5	3	6.7
		11.0	2.2	8.6	3	6.4
		13.0	2.3	8.3	4	6.3
		15.0	2.3	7.9	4	6.2
		17.0	2.4	7.6	4	6.2
		18.0	2.4	7.4	4	6.2
	09-Jul-99	1.0	13.7	10.8	-	6.8
		2.0	13.7	10.8	-	6.8
		3.0	13.7	10.7	-	6.8
		4.0	13.7	10.6	-	6.7
		5.0	13.6	10.7	-	6.7
		6.0	13.6	10.6	-	6.7
		7.0	13.6	10.6	-	6.7
		8.0	13.5	10.6	-	6.7
		9.0	13.4	10.6	-	6.7
		10.0	13.4	10.5	-	6.6
		11.0	13.4	10.6	-	6.6
		12.0	13.4	10.6	-	6.6
		13.0	13.3	10.5	-	6.6
		14.0	13.3	10.5	-	6.6
		15.0	13.3	10.6	-	6.6
	WQ2	24-Mar-99	1.0	-0.1	17.5	7
2.0			0.4	17.0	7	6.5
3.0			1.1	16.1	5	6.4
4.0			2.4	12.4	5	6.3
5.0			3.1	9.2	5	6.1
6.0			3.1	6.6	6	6.0
6.5			3.3	4.8	7	5.9
29-Mar-99		1.0	-0.1	17.5	-	6.7
		2.0	0.4	17.0	-	6.5
		3.0	1.1	16.1	-	6.4
		4.0	2.4	12.4	-	6.3
		5.0	3.1	9.2	-	6.1
		6.0	3.1	6.6	-	6.0
		6.5	3.3	4.8	-	5.9

**Table II-1 1999 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)	pH
WQ2 (continued)	12-Aug-99	1.0	14.1	10.7	-	6.7
		2.0	13.9	10.6	-	6.7
		3.0	13.9	10.6	-	6.7
		4.0	13.9	10.6	-	6.7
		5.0	13.9	10.6	-	6.7
WQ3	24-Mar-99	1.0	0.6	17.8	6	6.8
		2.0	0.6	16.2	4	6.7
		2.5	0.8	14.7	4	6.6
	29-Mar-99	1.0	0.6	17.8	-	6.8
		2.0	0.6	16.2	-	6.7
		3.0	0.8	14.7	-	6.6
	09-Jul-99	0.0	12.9	14.5	-	-
		1.0	12.9	14.2	-	-
		2.0	12.8	14.2	-	-
		3.0	12.5	14.1	-	-
		4.0	12.1	14.6	-	-
		5.0	11.8	14.9	-	-
		6.0	11.5	14.8	-	-
	12-Aug-99	1.0	13.9	10.7	-	-
		2.0	13.8	10.7	-	-
		3.0	13.8	10.7	-	-
		4.0	13.8	10.7	-	-
		5.0	13.8	10.7	-	-
		6.0	13.8	10.6	-	-
		7.0	13.8	10.7	-	-
8.0		13.8	10.7	-	-	
9.0		13.7	10.6	-	-	
10.0		13.7	10.6	-	-	
11.0	13.6	10.5	-	-		
WQ4	24-Mar-99	1.0	-0.1	16.9	6	6.6
		2.0	0.8	15.2	4	6.5
		3.0	2.0	11.7	4	6.3
		4.0	3.0	6.6	5	6.0
	29-Mar-99	1.0	-0.1	16.9	-	-
		2.0	0.8	15.2	-	-
		3.0	2.0	11.7	-	-
		4.0	3.0	6.6	-	-

**Table II-1 1999 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)	pH
WQ4 (continued)	12-Aug-99	1.0	10.7	10.8	-	6.8
		2.0	10.7	10.7	-	6.8
		3.0	10.7	10.7	-	6.7
		4.0	10.7	10.7	-	6.7
		5.0	10.6	-	-	6.7
		6.0	10.6	-	-	6.7
		7.0	10.5	-	-	6.7
		8.0	10.5	-	-	6.7
WQ6	24-Mar-99	1.0	0.1	11.9	20	7.9
		2.0				7.7
	29-Mar-99	1.0	-	-	-	6.6
		2.0	-	-	-	6.5
		3.0	-	-	-	6.3
		4.0	-	-	-	6.0
	12-Aug-99	1.0	-	13.9		6.7
		2.0	-	13.9	-	6.7
		3.0	-	13.9	-	6.7
		4.0	-	13.8	-	6.7
		5.0	-	13.8	-	-
		6.0	-	13.8	-	-
WQ7	24-Mar-99	1.0	-0.1	10.7	0	6.5
		2.0	0.2	15.2	5	6.8
		3.0	0.8	13.8	4	6.6
		4.0	1.3	12.5	4	6.5
		5.0	1.7	11.2	5	6.3
		6.0	2.0	10.3	5	6.2
	29-Mar-99	1.0	-0.1	10.7	-	6.6
		2.0	0.3	15.2	-	6.8
		3.0	0.8	13.8	-	6.6
		4.0	1.3	12.5	-	6.5
		5.0	1.7	11.2	-	6.3
		6.0	2.0	10.3	-	6.2
	08-Jul-99	0.0	14.7	12.8	-	-
		1.0	14.7	13.2	-	-
		2.0	14.6	13.6	-	-
		3.0	14.0	13.8	-	-
		4.0	13.2	14.2	-	-
		5.0	12.3	14.1	-	-
6.0		11.8	14.6	-	-	

**Table II-1 1999 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Specific Conductivity (µS/cm)	pH
WQ7 (continued)	12-Aug-99	1.0	13.8	10.7		6.8
		2.0	13.8	10.7	-	6.7
		3.0	13.8	10.6	-	6.7
		4.0	13.8	10.6	-	6.7
		5.0	13.8	10.6	-	6.7
		6.0	13.8	10.5	-	6.7
		7.0	13.7	10.5	-	6.6
		8.0	13.5	10.4	-	-

Notes:

- WQ = water quality stations.
- m = metres.
- = data not available.
- °C = degrees Celsius.
- mg/L = milligrams per litre.
- µS/cm = microSiemens per centimetre.
- Shading indicates questionable value.

**Table II-2 2003 Profile Data, Snap Lake**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
1	15-Feb-03	0.0	1.2	14.8
		1.0	1.2	14.5
		2.0	2.1	12.9
		3.0	3.1	10.9
		4.0	3.9	7.3
		5.0	4.3	3.4
		5.5	4.4	2.8
2	15-Feb-03	0.0	0.7	15.9
		1.0	0.8	16.1
		2.0	1.7	13.7
		3.0	2.2	12.5
		4.0	2.5	11.8
		6.0	3.1	10.7
		8.0	3.7	8.6
		10.0	3.9	6.5
		11.0	4.2	5.5
		11.5	4.2	4.7
3	15-Feb-03	0.0	0.0	17.0
		1.0	0.0	16.7
		2.0	0.8	14.4
		3.0	1.3	13.0
		4.0	1.6	12.1
		5.0	1.8	11.5
		6.0	2.0	11.2
		7.0	2.1	10.8
		7.5	2.5	7.2
4	15-Feb-03	0.0	0.2	15.6
		1.0	0.1	16.2
		2.0	0.9	15.0
		3.0	1.3	14.7
		4.0	1.6	14.3
		5.0	1.8	14.0
		6.0	2.0	13.2
		6.5	2.0	12.4

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
5	14-Feb-03	0.0	0.0	14.8
		1.0	0.0	14.8
		2.0	0.9	12.4
		3.0	1.3	11.5
		4.0	1.5	11.2
		6.0	1.8	10.8
		8.0	2.0	10.3
		9.0	2.1	10.0
		10.0	2.2	9.5
		11.0	2.2	9.0
6	14-Feb-03	12.0	2.3	8.7
		0.0	0.1	16.5
		1.0	0.2	17.1
		2.0	1.0	15.8
		3.0	1.5	15.2
		4.0	1.7	14.7
		5.0	1.9	13.8
7	14-Feb-03	5.5	2.1	12.7
		0.0	0.0	15.7
		1.0	0.0	15.7
		2.0	1.1	12.4
		3.0	1.4	11.7
		4.0	1.6	11.4
		6.0	1.8	10.9
		8.0	2.0	10.4
		10.0	2.2	9.9
		12.0	2.4	8.9
8	15-Feb-03	14.0	2.6	7.7
		14.5	2.7	5.3
		0.0	0.1	17.8
		0.5	0.1	17.6
		1.0	0.1	17.7
		1.5	0.5	16.8
		2.0	0.9	16.2
		2.5	1.2	15.6
		3.0	1.7	14.1
		3.3	2.4	8.4
3.5	2.6	5.2		
4.0	3.0	2.5		
4.5	3.4	1.1		

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
9	15-Feb-03	0.0	0.1	15.7
		0.5	0.1	16.1
		1.0	0.1	16.3
		1.5	0.5	15.8
		2.0	0.9	15.3
		3.0	1.5	13.9
		4.0	1.6	13.7
		5.0	2.1	11.6
		5.3	2.4	8.0
		5.5	2.6	5.7
10	15-Feb-03	0.0	0.1	18.0
		1.0	0.1	17.7
		2.0	0.9	14.5
		3.0	1.3	13.2
		4.0	1.6	12.6
		6.0	2.1	11.8
		8.0	2.6	10.2
		10.0	2.9	8.2
		11.0	3.1	7.3
		12.0	3.2	6.5
		13.0	3.3	4.9
		13.5	3.4	4.4
11	14-Feb-03	0.0	0.1	18.0
		0.5	0.1	17.5
		1.0	0.1	17.3
		2.0	0.7	15.8
		3.0	1.4	13.6
		4.0	1.7	12.8
		6.0	2.0	12.1
		8.0	2.2	11.5
		10.0	2.3	10.9
		12.0	2.5	9.8
		13.0	2.7	9.3
		13.5	2.7	7.7

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
12	14-Feb-03	0.0	0.1	18.7
		1.0	0.2	18.6
		2.0	1.2	13.7
		3.0	1.6	13.0
		4.0	1.7	12.7
		6.0	2.0	12.3
		8.0	2.2	11.6
		10.0	2.3	11.2
		12.0	2.5	10.0
		14.0	2.8	8.6
13	14-Feb-03	15.0	3.0	6.6
		0.0	0.1	14.8
		1.0	0.1	14.6
		2.0	0.9	12.3
		3.0	1.3	11.8
		4.0	1.6	10.8
		5.0	1.9	10.4
		6.0	2.0	9.6
14	14-Feb-03	6.5	2.2	8.9
		0.0	0.0	14.6
		1.0	0.0	15.0
		2.0	0.9	12.7
		3.0	1.4	12.0
		4.0	1.7	11.5
		5.0	2.1	10.1
		6.0	3.1	7.1
		6.5	3.3	3.3
		7.0	3.6	2.2
15	14-Feb-03	7.5	3.9	1.2
		0.0	0.0	13.8
		1.0	0.0	14.1
		2.0	0.9	13.2
		3.0	1.4	12.7
		4.0	1.6	11.5
		5.0	2.0	9.9
		6.0	2.5	6.9
7.0	3.3	3.7		
	14-Feb-03	7.5	3.5	3.3

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
16	14-Feb-03	0.0	0.2	16.2
		1.0	0.0	15.9
		2.0	0.8	14.7
		3.0	1.3	13.3
		4.0	1.5	12.0
		5.0	1.6	11.8
		6.0	2.1	9.8
		6.5	2.5	8.4
17	13-Feb-03	0.0	0.0	17.3
		0.5	0.1	17.4
		1.0	0.2	17.3
		1.5	0.6	15.8
		2.0	1.1	14.8
		2.5	1.2	14.5
		3.0	1.5	14.3
		3.5	1.6	13.7
		4.0	1.8	13.3
		4.5	1.9	12.8
		5.0	2.0	12.6
		5.5	2.0	12.2
		6.0	2.1	12.0
18	13-Feb-03	0.0	0.0	16.2
		0.5	0.1	17.2
		1.0	0.2	16.9
		1.5	0.6	15.5
		2.0	1.0	14.7
		2.5	1.3	13.9
		3.0	1.4	13.6
		3.5	1.6	13.0
		4.0	1.8	12.6
		4.5	1.8	12.5
		5.0	1.8	12.4
		5.5	1.9	12.1

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
19	13-Feb-03	0.0	0.0	16.7
		1.0	0.0	16.9
		1.5	0.4	15.8
		2.0	0.8	14.7
		2.5	1.1	14.3
		3.0	1.3	13.9
		3.5	1.5	13.5
		4.0	1.5	13.1
		4.5	1.6	12.8
		5.0	1.7	12.2
20	13-Feb-03	5.5	1.8	11.9
		0.0	0.1	19.4
		0.5	0.1	18.2
		1.0	0.2	18.0
		1.5	0.5	16.2
		2.0	1.0	15.4
		2.5	1.2	15.3
		3.0	1.4	14.4
		3.5	1.6	14.3
		4.0	1.7	14.1
21	12-Feb-03	4.5	1.9	12.9
		0.0	0.0	18.4
		1.0	0.1	17.6
		2.0	0.9	14.1
		3.0	1.4	12.9
		4.0	1.6	12.6
		5.0	1.7	12.4
		6.0	1.9	11.8
		7.0	2.2	11.1
		8.0	2.4	10.8
		9.0	2.6	9.5
		10.0	3.0	8.0
		11.0	3.2	6.6
12.0	3.4	4.7		
12.5	3.5	4.3		

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
22	12-Feb-03	0.0	0.0	18.0
		1.0	0.0	17.6
		2.0	0.8	14.2
		3.0	1.3	13.1
		4.0	1.5	12.6
		5.0	1.7	12.1
		6.0	1.9	11.7
		7.0	2.0	11.3
23	12-Feb-03	0.0	0.2	15.1
		0.5	0.0	15.9
		1.0	0.1	15.7
		1.5	0.6	14.2
		2.0	0.9	13.8
		2.5	1.2	13.2
		3.0	1.4	13.1
		3.5	1.4	13.0
		4.0	1.6	13.0
		4.5	1.8	12.7
		5.0	1.9	12.4
		5.5	2.0	9.9
24	16-Feb-03	0.0	0.0	14.9
		0.5	0.1	15.2
		1.0	0.2	15.0
		1.5	0.7	14.0
		2.0	1.1	13.4
		2.5	1.4	12.9
		3.0	1.7	11.8
		3.5	2.2	10.5
25	16-Feb-03	0.0	0.1	15.2
		1.0	0.2	16.1
		2.0	1.3	13.5
		3.0	1.8	11.9
		4.0	2.5	8.4
		5.0	3.0	5.7
		6.0	3.5	2.5

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
26	12-Feb-03	0.0	0.2	17.0
		1.0	0.1	17.4
		2.0	1.0	14.0
		3.0	1.2	13.2
		4.0	1.6	12.8
		5.0	1.7	12.2
		6.0	1.9	12.0
		7.0	2.1	11.5
		8.0	2.4	10.4
		9.0	2.8	8.5
		10.0	3.1	6.3
		11.0	3.4	3.0
12.0	3.5	1.5		
27	12-Feb-03	0.0	0.0	15.8
		0.5	0.0	16.0
		1.0	0.2	15.9
		1.5	0.5	15.2
		2.0	0.8	14.9
		2.5	1.3	13.4
		3.0	1.4	12.7
		3.5	1.5	12.1
		4.0	1.6	11.9
		4.5	1.7	11.5
		5.0	1.9	11.3
		5.5	1.9	11.1
		6.0	2.0	10.8
28	13-Feb-03	0.0	0.0	14.4
		0.5	0.0	14.5
		1.0	0.2	15.3
		1.5	0.5	15.2
		2.0	0.8	14.9
		2.5	1.1	14.3
		3.0	1.3	14.0
		3.5	1.4	13.9
		4.0	1.4	13.6
		4.5	1.5	13.4
5.0	1.7	12.5		

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
29	13-Feb-03	0.0	0.0	19.2
		0.5	0.0	18.9
		1.0	0.0	19.1
		1.5	0.4	18.2
		2.0	0.9	17.1
		2.5	1.3	15.9
		3.0	2.0	12.2
		3.5	2.4	8.8
		4.0	2.8	5.7
30	12-Feb-03	0.0	0.0	16.3
		1.0	0.1	16.2
		2.0	0.9	13.3
		3.0	1.3	12.5
		4.0	1.6	12.0
		5.0	1.8	11.3
		6.0	2.0	10.7
		7.0	2.2	10.4
		8.0	2.4	9.9
		9.0	2.5	9.2
		9.5	2.6	9.0
31	11-Feb-03	0.0	0.1	18.8
		1.0	0.1	19.1
		2.0	0.9	15.6
		3.0	1.4	14.7
		4.0	1.6	13.6
		5.0	1.8	13.0
		6.0	1.9	12.4
		7.0	2.1	11.3
		8.0	2.3	11.1
		10.0	2.7	10.1
		11.0	2.8	9.4
		12.0	3.0	6.3
		13.0	3.3	3.1
		13.5	3.3	2.3
		14.0	3.6	1.0
14.5	3.7	0.4		

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
32	11-Feb-03	0.0	0.0	16.4
		1.0	0.1	17.0
		2.0	0.5	13.5
		3.0	1.1	12.6
		4.0	1.6	12.0
		5.0	1.8	11.5
		6.0	2.0	10.9
		7.0	2.2	10.4
		8.0	2.4	9.7
		9.0	2.8	7.6
33	11-Feb-03	0.0	0.2	17.7
		1.0	0.2	18.3
		2.0	0.9	14.6
		3.0	1.4	13.1
		4.0	1.7	12.6
		5.0	1.9	12.3
		6.0	2.0	11.8
		7.0	2.2	10.9
		8.0	2.5	10.4
		9.0	2.6	9.9
		9.5	2.7	9.7
34	17-Feb-03	0.0	0.0	16.6
		1.0	0.9	16.9
		2.0	1.4	15.3
		4.0	1.6	13.4
		6.0	1.9	12.8
		8.0	2.3	11.0
		10.0	2.6	9.3
		12.0	2.7	8.5
		14.0	2.7	6.7
		16.0	2.8	5.5
		18.0	2.8	4.8
		20.0	2.8	4.5
		22.0	-	2.8
		24.0	-	2.0
25.0	-	1.3		
25.5	-	0.7		

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
35	13-Feb-03	0.0	0.1	16.6
		1.0	0.1	16.5
		2.0	1.0	14.3
		3.0	1.4	13.3
		4.0	1.6	12.8
		6.0	2.0	11.8
		8.0	2.4	10.2
		10.0	2.7	9.0
		12.0	2.8	7.7
		14.0	2.9	7.4
		16.0	2.9	7.1
		17.0	3.0	6.6
17.5	3.0	6.2		
36	13-Feb-03	0.0	0.0	19.0
		0.5	0.0	19.3
		1.0	0.0	19.3
		1.5	0.5	16.7
		2.0	0.9	15.7
		2.5	1.2	13.9
		3.0	1.4	13.8
		3.5	1.5	13.4
		4.0	1.7	12.3
		4.5	1.9	11.8
		5.0	2.5	8.2
37	12-Feb-03	0.0	0.1	16.7
		1.0	0.1	16.9
		1.5	0.6	14.2
		2.0	0.9	13.0
		2.5	1.3	12.5
		3.0	1.4	12.0
		3.5	1.5	11.9
		4.0	1.6	11.8
		4.5	1.7	12.0
		5.0	1.8	12.0
5.5	1.9	11.9		

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
38	15-Feb-03	0.0	0.1	15.6
		1.0	0.1	16.4
		2.0	1.0	13.9
		3.0	1.4	12.9
		4.0	1.8	11.7
		5.0	2.1	10.0
		6.0	2.4	8.7
		7.0	2.8	6.4
		8.0	3.0	4.9
		8.5	3.2	3.1
39	16-Feb-03	0.0	0.1	16.7
		1.0	0.2	18.1
		2.0	1.2	15.0
		3.0	1.8	12.9
		4.0	1.9	11.8
		6.0	2.1	11.3
		8.0	2.2	10.7
		10.0	2.2	10.5
		12.0	2.3	10.3
		14.0	2.3	9.8
		16.0	2.4	9.1
		18.0	2.5	7.3
		19.0	2.6	4.4
40	16-Feb-03	0.0	0.1	13.6
		0.5	0.1	13.8
		1.0	0.1	14.0
		1.5	0.7	13.2
		2.0	1.0	13.1
		2.5	1.4	12.7
		3.0	1.9	11.6
		3.5	2.2	10.5
		4.0	2.4	10.0
		4.5	2.7	7.2

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
41	16-Feb-03	0.0	0.0	15.1
		0.5	0.0	14.9
		1.0	0.1	14.9
		1.5	0.5	14.1
		2.0	0.9	13.8
		2.5	1.4	13.5
		3.0	1.8	12.8
		3.5	2.0	11.0
		4.0	2.1	10.4
42	17-Feb-03	0.0	0.0	16.9
		1.0	0.0	16.3
		2.0	1.0	14.3
		3.0	1.8	12.7
		4.0	2.3	10.4
		5.0	2.7	7.3
		6.0	2.9	4.6
		7.0	3.1	3.3
		8.0	3.3	2.4
43	13-Feb-03	0.0	0.0	18.5
		0.5	0.0	19.5
		1.0	0.0	19.3
		1.5	0.4	17.4
		2.0	0.8	16.6
		2.5	1.0	15.6
		3.0	1.6	15.2
		3.5	2.2	11.6
		44	15-Feb-03	0.0
1.0	0.2			16.4
2.0	0.8			15.4
3.0	1.5			13.9
4.0	1.6			13.5
5.0	1.9			12.5
6.0	2.1			11.5
7.0	2.3			11.0
8.0	2.5			9.8
	8.5	2.6	9.5	

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
45	15-Feb-03	0.0	0.1	15.8
		0.5	0.1	16.0
		1.0	0.1	16.7
		1.5	0.5	15.8
		2.0	1.0	14.4
		2.5	1.3	14.2
		3.5	1.6	13.3
		4.5	1.8	12.7
		5.5	2.0	12.0
46	14-Feb-03	0.0	0.1	11.4
		0.5	0.0	11.3
		1.0	0.1	11.4
		1.5	0.6	10.9
		2.0	0.9	10.8
		2.5	1.2	10.7
		3.0	1.6	10.0
		47	16-Feb-03	0.0
1.0	0.2			15.7
2.0	1.1			13.7
3.0	1.8			12.8
4.0	2.5			10.2
4.5	2.7			8.1
5.0	3.2			2.6
5.5	3.4			1.6
48	15-Feb-03	0.0	1.4	17.6
		1.0	1.4	17.0
		2.0	2.4	13.9
		3.0	3.4	11.2
		4.0	4.0	8.0
		5.0	4.2	6.9
		6.0	4.3	5.7
		6.5	4.4	3.8

**Table II-2 2003 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)
49	15-Feb-03	0.0	0.0	15.7
		1.0	0.0	16.0
		2.0	0.8	14.6
		3.0	1.4	13.2
		4.0	1.6	12.3
		5.0	1.8	11.8
		6.0	1.9	11.3
		7.0	2.2	10.1
		8.0	2.4	9.7
		9.0	2.5	9.2
50	14-Feb-03	0.0	0.0	14.6
		0.5	0.0	14.8
		1.0	0.0	15.1
		1.5	0.5	14.7
		2.0	0.8	13.8
		2.5	1.1	13.5
		3.0	1.4	12.9
		3.5	1.7	12.0
		4.0	2.4	9.7
		4.5	2.7	7.3
	5.0	2.9	2.7	

Notes:

- m = metres.
- = data not available.
- °C = degrees Celsius.
- mg/L = milligrams per litre.
- Shading indicates questionable value.

**Table II-3 Snap Lake Profile Data, 2004**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP01	08-May-04	0	2.8	16.7	28	5.7
		1	1.4	18.6	28	5.9
		2	2.1	15.9	27	6.0
		3	3.0	12.4	27	6.0
		4	3.6	6.3	27	6.0
		5	4.1	1.0	28	5.9
SNAP02	08-May-04	0	0.4	15.8	29	6.0
		1	0.6	15.7	29	6.1
		2	2.1	13.3	26	6.2
		3	2.9	8.7	24	6.2
		4	3.1	6.9	26	6.1
		5	3.3	10.3	29	6.1
		6	3.4	7.3	30	6.1
		7	3.4	8.6	31	6.1
	8	3.5	11.3	33	6.1	
	31-Jul-04	0	12.6	10.1	17	6.9
SNAP03	08-May-04	0	0.1	16.9	23	6.2
		1	0.1	17.1	23	6.2
		2	1.3	15.4	21	6.2
		3	1.5	14.7	21	6.3
		4	1.7	14.3	22	6.3
		5	1.9	14.8	23	6.3
		6	2.0	13.7	23	6.3
		7	2.3	11.3	22	6.3
		8	2.6	9.0	23	6.3
		9	2.9	5.0	24	6.2
	10	3.3	2.0	25	6.1	
	30-Jul-04	0	14.3	10.0	21	7.0
SNAP04	30-Jul-04	0	15.6	9.8	19	7.0
		1	15.6	9.6	19	7.0
		2	15.6	9.6	19	7.0
		3	15.6	9.6	19	7.0
		4	15.6	9.6	19	7.0
		5	15.5	9.6	19	7.0

**Table II-3 2004 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP04 (continued)	01-Sep-04	0	10.6	11.4	20	6.8
		1	10.3	11.3	20	6.8
		2	10.0	11.3	20	6.8
		3	9.9	11.3	20	6.8
		4	9.9	11.3	19	6.8
SNAP05	11-May-04	0	0.4	17.6	25	5.6
		1	0.7	20.2	26	5.7
		2	1.5	18.1	23	5.9
		3	1.7	17.0	23	5.9
		4	1.8	17.6	24	6.0
		5	1.9	17.8	24	6.0
		6	2.1	17.2	24	6.1
		7	2.3	17.3	26	6.1
		8	2.4	18.1	26	6.1
		9	2.7	12.3	24	6.1
		10	3.0	6.4	22	6.1
	11	3.3	4.2	23	6.1	
	30-Jul-04	0	14.2	10.3	21	6.9
SNAP06	10-May-04	0	0.2	21.2	33	5.0
		1	1.0	22.0	29	5.3
		2	1.5	18.8	23	5.5
		3	1.7	17.8	24	5.6
		4	1.8	18.4	25	5.7
		5	1.9	19.1	25	5.7
		6	2.1	19.3	25	5.8
		7	2.4	18.4	26	5.9
		8	2.5	17.9	26	5.9
	9	2.7	0.8	47	5.8	
	30-Jul-04	0	14.9	10.3	21	6.9
SNAP07	07-May-04	0	0.7	18.9	27	5.4
		1	0.5	19.4	27	5.5
		2	1.2	18.5	25	5.5
		3	1.6	18.4	26	5.6
		4	1.8	17.1	26	5.7
		5	2.2	14.4	26	5.8
		6	2.5	11.7	25	5.8

**Table II-3 2004 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP07 (continued)	07-May-04 (continued)	7	2.7	13.4	26	5.9
		8	2.9	14.6	26	5.9
		9	3.0	15.1	26	6.0
		10	3.1	0.4	27	5.8
	30-Jul-04	0	14.4	9.8	18	7.1
SNAP08	06-May-04	0	0.7	18.5	28	6.2
		1	0.6	19.6	27	6.2
		2	4.0	14.5	25	6.2
		3	4.0	14.4	24	6.1
		4	4.0	14.1	24	6.2
		5	4.0	13.6	24	6.2
	30-Jul-04	0	15.6	9.6	17	7.3
SNAP09	08-May-04	0	0.2	16.0	22	6.3
		1	0.2	16.8	23	6.3
		2	1.3	14.8	20	6.3
		3	1.5	14.5	21	6.3
		4	1.6	14.3	21	6.3
		5	1.7	14.2	22	6.3
		6	1.8	14.1	23	6.3
		7	1.9	14.9	24	6.3
		8	1.9	14.4	23	6.3
		9	2.0	13.1	23	6.3
		10	2.1	12.8	23	6.3
		11	2.2	11.2	23	6.3
		12	2.4	9.8	23	6.3
		13	2.5	8.3	23	6.3
	30-Jul-04	0	12.7	10.9	19	6.9
SNAP10	30-Jul-04	0	14.4	10.1	18	6.9
		1	14.3	10.0	18	6.9
		2	14.3	10.0	18	6.9
		3	14.3	10.0	18	6.9
		4	14.2	10.1	18	7.0
		4.5	14.0	10.3	18	7.0

**Table II-3 2004 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP10 (continued)	31-Aug-04	0	10.1	11.4	19	6.7
		1	10.1	11.2	19	6.7
		2	10.1	11.2	19	6.7
		3	10.1	11.2	19	6.7
		4	10.0	11.2	19	6.7
SNAP11	08-May-04	0	0.0	16.6	22	6.3
		1	0.2	16.8	22	6.2
		2	1.3	14.8	20	6.3
		3	1.6	14.4	21	6.2
		4	1.7	14.3	22	6.2
		5	1.7	14.1	22	6.3
		6	1.8	15.0	23	6.3
		7	1.9	14.7	24	6.3
		8	1.9	14.8	24	6.3
		9	2.0	14.5	24	6.3
		10	2.1	12.7	23	6.3
		11	2.2	11.6	23	6.3
		12	2.3	12.5	24	6.3
		13	2.5	9.6	23	6.3
		14	2.8	5.8	23	6.2
		30-Jul-04	0	14.3	10.5	19
SNAP12	11-May-04	0	0.3	18.4	24	6.2
		1	0.1	18.7	23	6.2
		2	1.2	17.5	22	6.3
		3	1.6	17.0	22	6.3
		4	1.7	16.2	22	6.3
		5	1.9	15.2	22	6.3
		6	2.2	1.2	24	6.2
SNAP13	09-May-04	0	0.0	19.7	28	6.1
		1	0.1	21.0	28	6.3
		2	1.3	18.5	22	6.4
		3	1.6	16.9	22	6.4
		4	1.8	15.9	23	6.4
		5	1.9	15.1	23	6.4
		6	2.1	14.0	23	6.5
		7	2.3	12.3	22	6.4

**Table II-3 2004 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP13 (continued)	09-May-04 (continued)	8	2.4	9.8	21	6.4
		9	2.5	9.3	22	6.4
		10	2.6	8.7	22	6.4
		11	2.6	8.6	22	6.4
		12	2.6	8.4	22	6.4
		13	2.6	8.1	22	6.3
		14	2.7	7.7	23	6.3
		15	2.7	7.6	23	6.3
		16	2.7	7.6	23	6.3
		17	2.7	7.6	23	6.3
		18	2.7	7.4	23	6.3
		19	2.7	7.3	23	6.2
		20	2.7	7.2	24	6.2
		21	2.7	6.9	23	6.2
22	2.8	1.5	32	6.0		
SNAP14	05-May-04	0	-0.1	17.7	21	6.2
		1	0.0	17.1	22	6.2
		2	1.3	14.5	19	6.2
		3	1.5	13.6	19	6.1
		4	1.7	13.2	20	6.1
		5	1.9	15.2	23	6.1
		6	2.1	14.6	23	6.1
		7	2.3	12.1	22	6.0
		8	2.5	11.3	25	6.0
		9	2.5	10.1	21	6.0
		10	2.6	0.7	34	5.9
SNP 02-20a	31-Jul-04	0	12.5	10.0	26	6.9
		1	12.4	10.0	26	6.9
		2	12.2	10.0	26	7.0
		3	12.1	10.1	26	7.0
		4	12.1	10.1	26	7.0
		4.5	12.2	10.1	26	7.0
	01-Sep-04	0	9.8	11.3	35	6.8
		1	9.9	11.2	35	6.8
		2	9.9	11.2	36	6.8
		3	9.9	11.2	37	6.8
		4	9.9	11.2	39	6.8

**Table II-3 2004 Profile Data, Snap Lake (continued)**

Station	Date	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNP 02-20b	31-Jul-04	0	12.4	10.2	26	7.0
		1	12.3	10.1	26	7.0
		2	12.3	10.1	26	7.0
		3	12.2	10.1	26	7.0
		4	12.2	10.1	26	7.0
		5	12.2	10.1	26	7.0
		6	12.3	9.2	27	6.8
	01-Sep-04	0	10.0	11.6	38	6.8
		1	10.0	11.3	39	6.9
		2	9.9	11.2	39	6.8
		3	9.9	11.2	39	6.9
		4	9.9	11.2	39	6.9
		5	9.9	11.2	39	6.9
SNP 02-20c	31-Jul-04	0	12.7	10.5	27	7.0
		1	12.6	10.2	27	7.0
		2	12.4	10.4	29	7.0
	01-Sep-04	0	10.2	11.4	36	6.9
		1	10.2	11.2	36	6.8
SNP 02-20b	18-Aug-04	0	10.3	11.5	21	7.6

Notes:

m = metres.

°C = degrees Celsius.

mg/L = milligrams per litre.

µS/cm = microSiemens per centimetre.

Shading indicates questionable value.

**Table II-4 Snap Lake Profile Data, 2005**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP01	19-Jan-05	0.8	0.9	0.6	15.8	36	6.8
			1.0	0.6	15.4	35	6.8
			2.0	1.4	14.6	28	6.8
			3.1	2.4	13.1	24	6.8
			4.0	3.0	10.3	25	6.7
	17-Feb-05	1.2	1.4	2.5	13.4	26	6.7
			2.4	3.0	10.8	22	6.1
			3.4	4.8	9.5	21	6.5
	15-Mar-05	1.2	1.2	0.5	14.2	30	5.9
			2.1	1.3	14.1	25	5.9
			3.2	2.5	12.3	23	5.9
			4.0	3.0	9.3	24	5.8
	16-Apr-05	1.4	1.7	1.3	11.8	27	5.4
			2.0	1.7	12.0	25	5.4
			3.0	2.6	11.3	23	5.4
			4.0	3.3	9.5	23	5.4
	17-May-05	1.2	1.5	1.6	13.3	27	5.8
			2.2	3.1	12.6	23	5.8
			3.0	3.9	12.2	25	5.8
			4.0	4.1	12.3	27	5.7
20-Jul-05	no ice	1.0	15.0	8.9	18	5.9	
		2.0	15.1	9.1	18	5.9	
		3.0	15.1	9.3	18	5.9	
13-Sep-05	no ice	1.0	8.7	10.4	17	7.6	
		2.0	8.5	10.4	17	7.5	
		3.0	8.4	10.2	17	7.5	
		4.0	8.2	10.2	17	7.4	
SNAP02	19-Jan-05	0.9	1.0	0.8	13.9	36	6.3
			2.0	1.9	11.5	28	6.3
			3.0	2.9	9.7	24	6.3
			4.0	3.2	8.6	24	6.3
			5.0	3.4	6.8	25	6.2
			6.0	3.6	5.5	27	6.2
			7.0	3.7	5.0	29	6.3
	17-Feb-05	1.3	0.0	0.4	16.2	34	6.5
			1.0	0.7	15.1	33	6.5
			2.0	2.4	11.4	23	6.5

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP02 (continued)	17-Feb-05 (continued)	1.3	3.0	3.0	9.7	22	6.5
			4.0	3.4	6.0	21	6.5
			5.0	3.8	4.8	22	6.5
			6.0	4.0	3.2	24	6.5
	15-Mar-05	1.3	1.3	0.2	14.5	31	6.0
			2.1	1.0	14.0	27	5.9
			3.0	2.2	13.0	24	6.0
			4.0	2.8	12.3	23	6.0
			5.0	3.3	11.5	23	5.9
			6.1	3.6	7.8	25	5.9
			7.0	3.8	6.3	26	5.8
	16-Apr-05	1.4	1.5	1.1	12.9	31	5.7
			2.0	1.6	12.8	27	5.7
			3.0	2.5	12.2	24	5.8
			4.1	3.2	11.3	23	5.8
			5.0	3.5	10.3	24	5.7
			6.0	3.7	8.2	26	5.7
			7.0	3.9	7.6	27	5.6
	17-May-05	0.7	0.9	0.2	13.7	25	5.8
			2.0	2.3	13.5	26	5.8
			3.0	3.6	13.5	26	5.8
			3.9	4.0	13.3	27	5.9
			5.0	4.1	12.7	27	5.8
			6.1	4.1	11.4	27	5.8
			7.3	4.1	9.6	29	5.8
			8.3	4.1	8.9	30	5.8
	21-Jul-05	no ice	1.0	13.8	9.2	18	6.2
			2.0	13.9	9.3	18	6.2
3.1			13.9	9.4	18	6.2	
4.0			14.0	9.4	18	6.3	
5.1			14.0	9.4	18	6.2	
6.2			14.0	9.4	18	6.3	
7.1			14.0	9.5	18	6.3	
13-Sep-05	no ice	1.1	8.3	10.8	18	7.2	
		2.0	8.5	10.3	18	7.4	
		3.0	8.5	10.3	18	7.3	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP02 (continued)	13-Sep-05 (continued)	no ice	4.0	8.5	10.3	18	7.3
			5.0	8.5	10.3	18	7.4
			6.0	8.5	10.2	18	7.3
			7.1	8.5	10.2	18	7.3
			8.1	8.5	10.1	18	7.3
			9.0	8.3	10.2	18	7.4
SNAP03	19-Jan-05	0.9	1.1	0.4	13.8	37	6.4
			2.0	1.0	12.8	32	6.5
			4.0	1.4	11.9	30	6.4
			5.1	1.6	11.4	30	6.4
			6.0	1.8	10.6	30	6.4
			7.0	2.1	8.8	31	6.3
			8.0	2.4	7.4	30	6.3
			9.0	2.7	5.9	32	6.3
			10.0	2.8	5.5	43	6.3
			11.0	2.8	5.5	54	6.3
			12.0	2.8	4.6	73	6.3
			12.5	2.7	4.1	96	6.2
	16-Feb-05	1.2	0.0	0.2	15.5	32	6.2
			0.7	0.3	14.2	31	6.2
			1.7	0.9	13.4	27	6.2
			2.7	1.3	12.2	25	6.2
			3.7	1.5	11.8	24	6.2
			4.7	1.7	11.2	24	6.2
			5.7	1.9	10.5	23	6.2
			6.7	2.2	9.2	23	6.2
			7.7	2.5	7.4	24	6.2
			8.7	2.7	7.4	34	6.2
			9.7	2.8	7.1	56	6.1
			10.7	2.9	6.7	63	6.1
	11.7	2.9	6.2	84	6.1		
	15-Mar-05	1.3	1.4	0.2	15.5	32	6.0
			2.2	0.6	15.1	29	6.1
3.1			1.1	14.4	27	6.1	
4.0			1.3	13.7	26	6.1	
5.1			1.6	12.7	25	6.1	
6.1			1.8	12.2	25	6.1	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP03 (continued)	15-Mar-05 (continued)	1.3	7.1	2.1	11.9	25	6.1
			8.0	2.5	8.2	46	5.9
			8.9	2.6	13.6	64	5.9
			9.9	2.6	11.5	105	5.9
			11.2	2.7	8.5	114	5.9
			12.0	2.7	8.3	133	5.9
	18-Apr-05	1.3	1.5	0.6	13.4	31	6.0
			2.0	0.9	13.3	29	5.9
			3.0	1.3	13.0	27	5.9
			4.1	1.5	12.6	26	5.9
			5.0	1.7	12.0	27	5.9
			6.0	2.0	11.4	28	5.9
			7.0	2.2	10.3	40	5.9
			8.0	2.4	8.9	71	5.8
			9.0	2.5	8.8	101	5.8
			10.0	2.6	9.1	119	5.8
			11.1	2.6	9.0	144	5.8
			12.0	2.6	8.7	162	5.8
	17-May-05	1.3	1.6	0.5	15.7	29	6.4
			2.1	1.1	15.3	27	6.4
			3.0	1.6	14.8	27	6.4
			4.0	1.7	14.3	28	6.4
			5.1	1.9	13.5	32	6.3
			6.1	2.1	13.0	59	6.2
			7.1	2.2	11.4	88	6.1
			8.0	2.4	10.9	99	6.1
			9.0	2.5	10.9	118	6.2
			10.1	2.6	11.0	137	6.1
			11.2	2.8	11.3	154	6.2
			12.1	3.0	9.9	158	6.0
	19-Jul-05	no ice	1.2	15.4	9.5	41	6.3
			2.0	15.5	9.8	41	6.5
			3.0	15.5	9.9	41	6.5
4.0			15.4	10.0	40	6.5	
5.0			13.5	10.3	38	6.6	
6.0			13.4	10.4	38	6.6	
7.0			12.4	10.5	37	6.6	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH			
SNAP03 (continued)	19-Jul-05 (continued)	no ice	8.0	11.9	10.6	38	6.6			
			9.0	11.6	10.6	40	6.6			
			10.0	11.2	10.6	42	6.6			
			11.0	11.0	10.6	42	6.6			
			12.1	10.8	10.5	42	6.6			
			13.0	10.7	10.2	48	6.5			
	13-Sep-05	no ice	1.1	8.9	11.0	41	7.4			
			2.0	9.1	10.6	41	7.5			
			3.0	9.1	10.5	41	7.5			
			4.0	9.2	10.5	41	7.5			
			5.0	9.2	10.4	41	7.5			
			6.0	9.2	10.3	41	7.5			
			7.1	9.2	10.4	41	7.5			
			8.0	9.2	10.4	41	7.5			
			9.1	9.2	10.4	41	7.5			
			10.0	9.2	10.3	41	7.5			
			11.0	9.1	10.2	41	7.5			
			12.0	9.1	10.3	41	7.5			
			SNAP04	19-Jan-05	0.9	1.0	0.4	16.0	48	6.4
						2.0	1.3	13.0	36	6.4
3.0	2.2	10.9				32	6.4			
4.0	2.8	9.2				30	6.4			
16-Feb-05	no data	0.0		0.3	16.5	41	6.2			
		0.8		0.5	15.8	41	6.2			
		1.8		1.5	11.5	32	6.2			
		2.8		2.2	8.9	28	6.2			
		3.8		3.0	5.0	25	6.2			
15-Mar-05	1.5	2.0		0.8	15.5	37	6.0			
		3.1		1.9	14.5	32	6.0			
		4.1		2.9	13.3	29	6.0			
18-Apr-05	1.4	1.5		1.7	13.1	38	5.9			
		2.0		1.6	13.2	36	6.0			
		3.0		2.4	12.7	34	6.0			
		4.0		3.8	10.5	29	5.9			

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH	
SNAP04 (continued)	17-May-05	1.4	1.6	0.5	14.7	36	6.1	
			2.0	1.8	14.6	35	6.1	
			3.0	3.7	13.8	34	6.0	
			4.0	4.0	12.8	34	6.0	
	19-Jul-05	no ice	1.1	16.1	9.3	32	6.5	
			2.1	16.1	9.6	32	6.5	
			3.0	16.1	9.7	32	6.5	
	13-Sep-05	no ice	1.0	7.5	11.2	34	7.3	
			2.1	7.7	10.9	34	7.4	
			3.0	7.7	10.7	33	7.4	
			4.1	7.8	10.5	33	7.5	
	SNAP05	19-Jan-05	0.9	1.0	0.3	14.6	40	6.3
				2.0	0.9	12.9	33	6.3
3.0				1.2	12.3	31	6.3	
4.0				1.4	11.6	29	6.3	
5.0				1.5	10.9	31	6.3	
6.0				1.7	10.2	31	6.4	
7.0				1.9	10.3	36	6.4	
8.0				1.9	10.6	82	6.3	
9.0				1.9	10.1	125	6.3	
10.0				2.1	9.8	121	6.3	
11.0				2.4	9.5	119	6.3	
12.0				2.5	9.2	117	6.3	
13.0				2.7	8.6	112	6.3	
14.1				2.9	8.5	118	6.3	
16-Feb-05		1.2	0.5	0.2	15.5	32	6.2	
			1.5	0.7	14.4	29	6.2	
			2.5	1.2	13.1	25	6.3	
			3.5	1.4	12.4	24	6.3	
			4.5	1.5	11.3	24	6.3	
			5.5	1.7	10.4	25	6.3	
			6.5	2.0	9.9	30	6.2	
			7.5	2.0	10.8	46	6.3	
			8.5	1.9	10.5	98	6.2	
	9.5		2.0	10.3	130	6.1		
10.5	2.3	9.9	128	6.1				
11.5	2.6	9.5	123	6.1				

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP05 (continued)	16-Feb-05 (continued)	1.2	12.5	2.8	9.4	120	6.1
			13.5	3.1	9.5	115	6.1
	15-Mar-05	1.2	1.3	0.9	14.4	32	6.0
			2.0	1.0	14.4	30	6.1
			3.0	1.3	14.1	27	6.1
			4.1	1.5	13.5	27	6.1
			5.0	1.7	12.9	26	6.1
			6.0	1.9	12.1	29	6.1
			6.9	2.0	10.7	48	6.0
			7.8	2.0	10.2	77	5.9
			9.0	1.9	11.0	155	5.9
			9.9	2.1	10.9	159	5.9
			11.0	2.4	10.4	155	6.0
			12.0	2.6	10.0	152	6.0
	13.0	2.9	9.7	149	6.0		
	19-Apr-05	1.2	1.5	0.5	14.0	31	6.1
			2.1	0.9	14.0	29	6.1
			3.0	1.3	13.7	28	6.1
			4.0	1.5	13.2	27	6.1
			5.0	1.8	12.8	27	6.1
			6.1	1.9	12.3	30	6.0
			7.0	1.8	12.1	92	5.9
			8.1	1.9	12.1	119	5.9
			9.0	2.0	11.7	165	5.9
			10.0	2.2	11.4	170	5.9
			11.0	2.5	10.9	169	6.0
			12.0	2.7	10.5	166	6.0
	13.0	2.9	10.0	164	6.0		
	14.1	3.2	9.5	163	6.0		
	17-May-05	1.2	1.5	0.5	15.4	30	6.6
			2.1	1.2	15.1	28	6.6
			3.0	1.6	14.8	27	6.6
			4.3	1.9	14.0	28	6.5
			5.1	2.1	13.1	31	6.5
			6.0	2.1	13.2	37	6.4
			6.9	2.1	14.1	89	6.3
8.0			2.0	13.8	139	6.2	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP05 (continued)	17-May-05 (continued)	1.2	9.1	2.0	13.1	174	6.2
			10.0	2.3	12.7	176	6.2
			11.1	2.6	12.0	174	6.2
			12.0	2.8	11.3	172	6.2
			13.1	3.0	10.8	171	6.2
			14.0	3.3	10.2	170	6.2
	21-Jul-05	no ice	1.0	12.5	9.8	37	6.1
			2.1	12.6	9.9	36	6.2
			3.0	12.6	9.9	36	6.2
			4.0	12.7	9.9	36	6.3
			5.0	12.7	9.9	37	6.3
			6.0	12.7	10.0	37	6.4
			7.1	12.7	10.0	37	6.4
			8.1	12.7	10.0	37	6.4
			9.0	12.7	10.0	38	6.4
			10.0	12.7	10.0	38	6.4
			11.0	12.7	10.0	38	6.4
			12.1	12.7	10.0	38	6.4
	13.1	12.7	10.0	38	6.5		
	13-Sep-05	no ice	1.0	9.2	10.4	40	7.3
			2.9	9.1	10.4	40	7.3
			2.1	9.2	10.4	40	7.4
			5.0	9.0	10.3	39	7.4
			4.0	9.0	10.3	39	7.4
			6.0	8.9	10.3	39	7.4
			7.0	8.9	10.3	39	7.4
			8.0	8.9	10.3	39	7.4
			9.0	8.8	10.3	38	7.4
			10.0	8.8	10.3	38	7.4
			10.9	8.8	10.2	38	7.4
12.0			8.8	10.3	38	7.4	
13.0	8.7	10.2	38	7.4			
SNAP06	19-Jan-05	0.9	1.0	0.3	14.4	39	6.3
			2.0	0.8	13.0	33	6.3
			3.0	1.2	12.2	30	6.3
			4.0	1.3	11.9	30	6.2
			5.0	1.5	10.8	30	6.2

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP06 (continued)	19-Jan-05 (continued)	0.9	6.0	1.8	10.2	31	6.2
			7.0	2.1	8.5	32	6.1
			8.0	2.3	7.9	33	6.2
			9.0	2.4	6.9	36	6.2
			10.0	2.5	6.2	51	6.1
			11.0	2.5	5.7	58	6.2
			12.0	2.6	5.1	54	6.2
			13.0	2.9	5.5	56	6.2
	16-Feb-05	1.4	0.0	0.2	15.8	32	6.1
			0.8	0.3	14.9	31	6.1
			1.8	1.0	13.1	26	6.1
			2.8	1.3	12.4	24	6.1
			3.8	1.5	11.8	24	6.1
			4.8	1.6	10.8	24	6.1
			5.8	1.9	9.0	25	6.1
			6.8	2.3	7.8	28	6.1
			7.8	2.4	8.0	40	6.0
			8.8	2.5	8.2	65	6.0
			9.8	2.5	8.2	80	6.0
			10.8	2.6	8.1	82	6.0
	11.8	2.6	5.5	83	6.0		
	16-Mar-05	1.3	1.5	0.7	14.6	31	5.8
			2.0	0.8	14.3	29	5.9
			3.0	1.3	13.9	27	6.0
			4.1	1.5	13.1	26	6.0
			5.1	1.7	12.8	28	6.0
			6.1	1.9	12.4	28	6.0
			7.0	2.2	11.5	36	5.9
			7.9	2.3	9.5	69	5.9
			9.1	2.4	8.8	96	5.8
			10.1	2.4	8.8	116	5.8
			11.0	2.6	8.5	116	5.9
	11.9	2.8	8.3	118	5.8		
	19-Apr-05	1.4	1.5	0.6	14.3	33	6.0
			2.0	0.5	14.4	30	6.0
			3.0	0.6	14.3	28	6.0
4.0			1.5	13.6	27	6.0	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP06 (continued)	19-Apr-05 (continued)	1.4	5.0	1.8	13.0	28	5.9
			6.0	2.0	12.5	31	6.0
			7.1	2.1	11.7	69	5.8
			8.0	2.3	10.7	96	5.8
			9.1	2.4	9.8	126	5.7
			10.1	2.5	9.4	139	5.8
			11.0	2.6	9.1	139	5.8
			12.0	2.8	8.8	139	5.8
	17-May-05	1.4	2.0	0.7	15.5	30	6.4
			3.0	1.7	14.8	27	6.3
			4.0	1.9	14.1	27	6.3
			5.0	2.0	13.9	29	6.3
			6.1	2.3	14.6	35	6.3
			7.1	2.2	14.7	86	6.1
			8.0	2.3	11.6	114	6.1
			9.0	2.4	9.8	140	6.0
			10.1	2.5	9.6	151	6.0
			11.2	2.7	9.2	151	6.0
			12.2	3.0	8.7	149	6.0
	21-Jul-05	no ice	1.1	12.7	9.6	35	6.5
			2.1	12.7	9.6	35	6.4
			3.0	12.7	9.6	35	6.5
			4.0	12.7	9.7	35	6.5
			5.0	12.7	9.7	35	6.5
			5.9	12.7	9.7	35	6.5
			7.0	12.8	9.7	35	6.6
			8.1	12.8	9.7	35	6.5
	13-Sep-05	no ice	1.0	9.1	10.5	38	7.3
			2.0	9.2	10.3	38	7.3
			3.1	9.2	10.3	38	7.4
			4.0	9.2	10.4	38	7.4
			5.0	9.2	10.3	38	7.4
			6.0	9.2	10.2	38	7.4
7.0			9.2	10.3	38	7.4	
9.0			9.2	10.2	38	7.4	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP06 (continued)	13-Sep-05 (continued)	no ice	8.0	9.2	10.2	38	7.4
			10.0	9.2	10.3	38	7.4
			11.0	9.2	10.2	38	7.4
			12.0	9.1	10.3	38	7.4
			13.0	9.1	10.2	38	7.3
SNAP07	20-Jan-05	0.9	1.0	0.3	14.7	41	6.2
			2.0	1.0	13.5	34	6.2
			3.0	1.1	13.1	33	6.2
			4.0	1.4	12.5	33	6.2
			5.0	1.7	10.9	36	6.1
			6.0	2.3	10.3	32	6.1
			7.0	2.8	9.6	30	6.1
			8.0	3.4	10.1	29	6.1
	15-Feb-05	1.6	0.0	0.2	15.9	32	6.4
			1.1	0.3	15.4	31	6.4
			2.1	1.0	13.7	27	6.4
			3.1	1.3	13.0	27	6.4
			4.1	1.5	12.2	27	6.4
			5.1	1.8	11.4	27	6.4
			6.1	2.3	10.2	25	6.4
			7.1	2.7	9.1	24	6.4
			8.1	3.0	7.1	23	6.4
	9.1	3.2	7.3	24	6.4		
	16-Mar-05	1.3	1.5	1.1	14.0	36	6.2
			2.1	1.0	14.1	31	6.1
			3.0	1.3	13.9	30	6.1
			4.0	1.4	13.7	31	6.1
			5.0	1.7	13.3	31	6.1
			6.0	2.2	12.1	30	6.1
			7.0	2.7	11.4	29	6.0
			8.0	3.0	10.6	25	6.0
	22-Apr-05	1.6	1.7	0.6	15.3	34	6.1
			2.0	0.8	15.4	33	6.1
			3.0	1.3	15.1	30	6.1
			4.0	1.6	14.6	32	6.1
			5.0	1.8	14.2	32	6.1
6.0			2.3	13.0	30	6.1	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP07 (continued)	22-Apr-05 (continued)	1.6	7.0	2.8	11.2	29	6.0
			8.0	3.1	7.7	28	6.0
	19-May-05	1.5	1.6	1.3	14.3	34	5.9
			2.0	1.8	14.3	31	5.9
			3.0	2.1	14.3	30	5.9
	22-Jul-05	no ice	1.0	11.5	9.4	32	6.2
			2.0	11.5	9.5	32	6.2
			3.1	11.5	9.5	32	6.2
			4.1	11.6	9.6	32	6.2
			5.1	11.6	9.6	32	6.3
			6.0	11.6	9.6	32	6.3
			7.1	11.6	9.6	32	6.3
			8.1	11.6	9.6	32	6.3
			9.1	11.6	9.6	32	6.3
	13-Sep-05	no ice	1.1	8.1	11.2	36	7.2
			2.0	8.2	11.0	36	7.3
			3.0	8.3	10.7	36	7.4
			4.0	8.4	10.6	36	7.4
			5.0	8.4	10.5	36	7.4
			6.0	8.4	10.6	36	7.4
7.0			8.3	10.4	36	7.4	
8.1			8.3	10.5	36	7.4	
9.0			8.2	10.5	35	7.4	
SNAP08	20-Jan-05	0.9	1.0	0.7	12.1	41	5.8
			2.0	2.1	9.8	31	5.8
			2.9	3.3	7.0	30	5.8
			4.0	4.0	5.6	31	5.7
			5.0	4.2	4.5	32	5.7
			6.0	4.3	4.6	33	5.7
			7.0	4.3	5.1	35	5.7
	15-Feb-05	1.3	0.0	0.3	15.2	35	6.5
			1.0	0.6	14.3	34	6.5
			2.0	1.7	9.2	27	6.5
			3.0	3.3	4.6	24	6.5
			4.0	3.8	3.1	25	6.5

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP08 (continued)	15-Feb-05 (continued)	1.3	5.0	3.9	2.4	25	6.5
			6.0	3.9	2.2	26	6.5
			7.0	4.0	2.0	27	6.5
			8.0	3.9	1.9	29	6.6
	16-Mar-05	1.1	1.2	1.8	13.0	35	6.1
			1.5	1.1	13.2	35	6.0
			1.8	1.4	13.0	35	6.0
	21-Apr-05	1.4	1.5	1.6	13.4	33	5.8
			2.1	2.1	13.6	30	5.9
			3.0	3.5	12.0	26	5.9
			4.0	4.2	9.8	26	5.8
			5.0	4.2	7.9	27	5.8
			6.0	4.3	5.3	28	5.7
			7.0	4.3	3.5	31	5.7
			8.0	4.4	2.2	52	5.6
	17-May-05	1.4	1.5	2.8	14.5	29	6.2
			2.0	4.0	13.1	28	6.2
			3.3	4.0	12.3	28	6.2
			4.1	4.1	14.2	28	6.2
			5.0	4.1	12.1	28	6.2
			6.1	4.4	8.6	28	6.1
			7.1	4.5	4.2	30	6.0
			8.3	4.5	2.1	55	5.9
	22-Jul-05	no ice	1.0	11.8	9.0	29	6.2
			2.0	11.8	9.1	29	6.1
			3.0	11.8	9.2	29	6.1
			4.1	11.7	9.2	29	6.1
			5.1	11.4	9.3	29	6.2
6.0			11.4	9.3	30	6.2	
7.1			11.4	9.4	30	6.2	
8.0			11.4	9.4	30	6.2	
9.0			11.4	9.4	30	6.2	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP08 (continued)	13-Sep-05	no ice	1.0	7.5	11.2	35	7.3
			2.0	7.6	10.9	35	7.4
			3.0	7.6	10.7	35	7.4
			4.0	7.6	10.6	34	7.5
			5.0	7.7	10.7	34	7.5
			6.0	7.7	10.4	35	7.4
SNAP09	20-Jan-05	1.0	1.0	0.4	13.1	36	6.3
			2.0	1.0	12.4	29	6.4
			2.9	1.2	12.2	29	6.3
			4.0	1.3	12.0	29	6.3
			5.0	1.4	11.9	29	6.3
			6.0	1.5	11.7	29	6.3
			7.1	1.6	11.2	29	6.3
			8.0	1.7	11.1	30	6.3
			9.0	1.8	10.5	30	6.3
			10.0	1.8	9.8	30	6.2
			11.0	1.9	8.8	29	6.2
			12.0	2.0	6.7	29	6.2
			13.0	2.1	4.9	29	6.2
	14.0	2.2	2.8	30	6.9		
	16-Feb-05	1.3	0.0	0.3	14.9	30	6.3
			0.9	0.5	13.8	29	6.3
			1.9	1.1	12.7	24	6.3
			2.9	1.4	12.2	22	6.3
			3.9	1.5	12.0	22	6.3
			4.9	1.6	11.8	22	6.3
5.9			1.8	11.6	23	6.2	
6.9			1.9	11.3	23	6.3	
7.9			1.9	11.1	23	6.3	
8.9			2.0	10.8	23	6.3	
9.9			2.1	10.9	23	6.3	
10.9	2.4	8.6	23	6.3			
11.9	2.5	7.6	23	6.2			
12.9	2.8	5.7	23	6.3			
13.9	3.0	3.0	23	6.3			

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP09 (continued)	17-Mar-05	1.2	1.3	1.6	12.5	29	6.0
			2.0	1.7	12.7	26	6.0
			3.0	2.0	12.2	25	6.0
			4.0	1.9	12.0	24	5.9
			5.0	1.9	11.6	24	5.9
			6.0	1.9	11.3	25	5.9
			7.0	2.0	11.1	25	5.8
			8.1	2.1	10.8	26	5.9
			9.0	2.1	10.6	26	5.8
			10.0	2.2	10.3	26	5.8
			11.0	2.2	10.1	27	5.8
			12.0	2.3	9.6	26	5.8
			13.0	2.4	8.9	26	5.8
			14.0	2.5	7.6	27	5.8
			14.9	2.7	5.1	30	5.6
	22-Apr-05	1.3	1.5	0.5	13.6	29	6.0
			2.0	1.0	13.4	26	6.1
			3.0	1.3	13.1	25	6.1
			4.0	1.6	12.6	24	6.1
			5.1	1.7	12.1	25	6.1
			6.1	1.8	11.7	26	6.1
			7.2	1.9	11.5	26	6.1
			8.0	2.0	11.3	26	6.1
			9.0	2.1	11.0	27	6.0
			10.0	2.2	10.5	26	6.0
			11.1	2.3	9.9	25	6.0
			12.0	2.3	8.8	26	6.0
			13.2	2.5	8.0	26	5.9
			14.0	2.6	6.7	27	5.9
	19-May-05	1.4	1.7	1.7	12.5	26	6.2
			2.1	1.9	12.6	24	6.2
			3.1	2.1	12.5	25	6.2
			4.1	2.1	12.1	25	6.2
			4.9	2.2	11.8	26	6.2
			6.1	2.2	11.6	26	6.2
			7.0	2.3	11.4	28	6.1
			7.7	2.3	11.5	28	6.1

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP09 (continued)	19-May-05 (continued)	1.4	9.1	2.4	11.7	29	6.1
			10.3	2.4	11.0	29	6.1
			11.1	2.5	10.5	29	6.0
			12.0	2.6	9.5	28	6.1
			13.0	2.7	8.5	29	6.0
			14.0	2.8	8.5	29	5.9
	23-Jul-05	no ice	1.1	12.0	8.6	35	6.5
			2.0	12.0	8.8	35	6.5
			3.1	12.0	8.9	35	6.5
			4.0	12.0	9.0	35	6.5
			5.1	12.0	9.1	35	6.5
			6.0	12.0	9.1	35	6.5
			7.1	12.0	9.1	35	6.5
			8.0	12.0	9.2	35	6.5
			9.0	12.0	9.2	35	6.5
			10.0	12.0	9.2	35	6.5
			11.0	11.9	9.2	35	6.5
			12.0	11.9	9.3	35	6.5
	13.0	11.9	9.3	35	6.5		
	13-Sep-05	no ice	1.0	9.6	10.4	36	7.3
			2.0	9.6	10.3	36	7.3
			3.1	9.6	10.2	36	7.2
			4.0	9.5	10.3	36	7.3
			5.0	9.6	10.2	36	7.3
			6.0	9.5	10.2	36	7.3
			7.0	9.5	10.2	36	7.3
			8.0	9.5	10.2	36	7.3
			9.0	9.5	10.1	36	7.3
			10.0	9.5	10.2	36	7.3
			11.0	9.5	10.2	36	7.3
			12.0	9.5	10.1	36	7.3
			13.0	9.5	10.2	36	7.3
	14.0	9.2	10.0	36	7.3		

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP10	20-Jan-05	1.0	1.0	0.4	15.7	41	6.4
			2.0	1.2	13.7	35	6.4
			3.0	1.5	13.1	34	6.4
			4.0	1.8	12.8	34	6.4
			5.0	2.4	12.0	39	6.5
	16-Feb-05	1.4	0.0	0.9	15.8	37	7.4
			1.5	1.1	14.9	32	7.5
			2.5	1.8	13.9	29	7.6
			3.5	2.1	13.4	26	7.6
			4.5	2.5	12.8	31	7.6
	17-Mar-05	1.3	1.4	0.8	14.7	35	5.5
			2.1	1.0	14.6	33	5.6
			3.0	1.3	14.4	30	5.5
			4.0	1.6	14.0	35	5.5
			5.0	2.0	13.8	40	5.5
	22-Apr-05	1.5	1.5	1.2	13.5	33	5.6
			2.0	1.2	14.0	32	5.7
			3.0	1.5	14.0	30	5.8
			4.0	1.7	13.8	33	5.8
	17-May-05	1.5	1.5	0.7	16.5	31	6.4
			2.0	1.2	16.3	29	6.4
			3.2	1.7	16.2	32	6.3
			4.0	2.0	16.8	32	6.4
			5.0	2.6	16.9	33	6.3
22-Jul-05	no ice	1.1	12.2	9.7	31	6.4	
		2.0	12.2	9.7	31	6.4	
		3.0	12.2	9.7	31	6.4	
13-Sep-05	no ice	1.0	8.4	10.6	35	7.3	
		2.0	8.4	10.4	35	7.3	
		3.1	8.4	10.5	35	7.3	
		4.0	8.4	10.5	35	7.3	
		5.0	8.4	10.5	35	7.3	
SNAP11	20-Jan-05	1.1	1.0	0.5	13.4	36	6.5
			2.0	1.1	12.4	31	6.4
			3.0	1.3	12.0	29	6.4
			4.0	1.5	11.8	29	6.4
			5.0	1.6	11.6	29	6.3

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP11 (continued)	20-Jan-05 (continued)	1.1	6.0	1.7	11.6	29	6.3
			7.0	1.8	11.4	30	6.3
			8.0	1.9	11.2	30	6.2
			9.0	2.0	11.0	30	6.2
			10.0	2.1	10.6	31	6.2
			11.0	2.2	10.2	31	6.2
			12.0	2.3	9.4	30	6.2
			13.0	2.7	8.9	30	6.2
			14.6	2.9	7.0	30	6.1
			15.0	3.3	5.7	31	6.1
			16.0	4.1	4.9	32	6.2
	16-Feb-05	1.4	0.0	0.3	14.4	29	6.5
			1.2	0.7	13.8	27	6.7
			2.2	1.2	12.7	23	6.5
			3.2	1.4	12.4	23	6.5
			4.2	1.6	12.0	23	6.5
			5.2	1.7	11.8	23	6.5
			6.2	1.8	11.7	23	6.5
			7.2	1.8	11.6	23	6.5
			8.2	2.0	11.5	24	6.5
			9.2	2.1	10.7	24	6.5
			10.2	2.3	10.0	24	6.5
			11.2	2.4	9.3	24	6.6
			12.2	2.6	8.3	24	6.6
			13.2	2.9	7.5	23	6.6
			14.2	3.1	6.0	23	6.7
15.2	3.4	5.8	24	6.7			
	17-Mar-05	1.2	1.3	0.7	15.0	30	5.9
			2.0	1.0	14.0	27	5.9
			3.0	1.3	13.4	25	5.9
			4.0	1.5	12.7	25	5.9
			5.0	1.6	12.2	25	5.9
			6.1	1.7	11.5	26	5.9
			6.9	1.8	11.3	26	5.9
			8.0	1.9	11.1	26	5.9
			9.0	1.9	10.9	27	5.9
			10.0	2.0	10.7	27	5.9

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP11 (continued)	17-Mar-05 (continued)	1.2	11.0	2.1	10.6	28	5.9
			12.0	2.2	10.3	27	5.9
			13.0	2.3	9.7	27	5.9
			14.0	2.4	8.6	26	5.8
			15.1	2.6	7.4	27	5.8
	22-Apr-05	1.5	1.7	1.0	12.6	28	5.8
			2.1	1.1	12.7	27	5.8
			3.0	1.5	12.3	25	5.8
			4.0	1.7	11.9	24	5.8
			5.0	1.8	11.6	25	5.8
			6.1	1.9	11.4	27	5.8
			7.0	2.0	11.1	27	5.9
			8.0	2.0	10.9	27	5.9
			9.0	2.1	10.8	28	5.9
			10.0	2.2	10.6	28	5.9
			11.0	2.2	10.5	28	5.8
			12.0	2.3	10.1	28	5.9
			13.0	2.4	9.3	30	5.9
			13.9	2.6	8.7	29	5.8
	15.0	2.8	7.2	29	5.8		
	18-May-05	1.6	1.7	1.3	13.4	27	6.1
			2.1	1.5	13.3	27	6.1
			3.0	1.9	13.2	25	6.2
			4.0	2.1	12.5	26	6.1
			5.0	2.1	12.0	26	6.1
			6.0	2.2	11.7	27	6.1
			7.0	2.3	11.3	28	6.1
			8.0	2.3	11.0	29	6.1
			9.0	2.4	10.9	30	6.1
			10.1	2.4	10.7	32	6.1
			11.0	2.4	10.7	35	6.0
			12.0	2.5	10.7	38	6.0
			13.0	2.6	10.2	36	6.0
14.1	2.7	8.6	37	5.9			
15.0	2.8	7.3	42	5.9			
22-Jul-05	no ice	1.1	12.2	9.8	33	6.4	
		2.0	12.2	9.7	33	6.4	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP11 (continued)	22-Jul-05 (continued)	no ice	3.1	12.2	9.7	33	6.4
			3.9	12.2	9.8	33	6.4
			5.0	12.2	9.8	33	6.4
			6.0	12.2	9.8	33	6.5
			7.0	12.2	9.8	33	6.5
			8.0	12.1	9.8	33	6.4
			9.0	12.1	9.9	33	6.5
			10.0	12.0	9.9	33	6.5
			11.1	11.8	9.9	33	6.5
			12.0	11.6	9.9	32	6.5
			13.0	11.6	9.9	32	6.5
			14.2	9.8	10.2	30	6.4
	15.0	9.6	10.2	30	6.4		
	13-Sep-05	no ice	1.0	9.5	10.4	36	7.2
			2.0	9.5	10.4	36	7.3
			3.0	9.5	10.3	36	7.3
			4.0	9.5	10.2	36	7.3
			5.0	9.4	10.2	36	7.3
			6.0	9.3	10.4	36	7.3
			7.0	9.3	10.2	36	7.3
			8.0	9.3	10.3	36	7.3
			9.1	9.2	10.3	36	7.3
10.0			9.2	10.3	36	7.3	
SNAP12	15-Mar-05	1.3	1.4	0.2	16.6	34	6.3
			2.0	0.7	16.3	30	6.3
			3.0	1.1	15.6	28	6.3
			4.0	1.3	14.8	27	6.3
			5.1	1.6	14.1	27	6.3
			6.0	1.7	13.4	33	6.3
			7.0	1.8	12.1	61	6.2

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP12 (continued)	20-Apr-05	1.5	1.8	0.6	13.3	31	6.2
			2.1	0.9	13.8	30	6.2
			3.0	1.3	13.6	28	6.2
			4.1	1.6	13.0	27	6.2
			5.0	1.8	12.6	27	6.2
			6.0	1.8	11.6	42	6.1
			7.1	1.9	11.3	79	6.0
	18-May-05	1.4	1.4	0.7	16.2	32	6.1
			2.0	1.3	15.9	28	6.1
			3.0	1.7	15.5	28	6.2
			4.0	1.9	14.9	29	6.2
			5.1	2.1	13.7	34	6.1
			6.0	2.1	13.4	68	6.0
			7.0	2.2	13.7	83	6.1
	21-Jul-05	no ice	1.1	12.8	9.6	39	6.6
			2.0	12.9	9.6	39	6.6
			3.1	12.9	9.7	39	6.6
			4.1	12.9	9.7	39	6.6
			5.0	13.0	9.7	39	6.6
			6.1	13.0	9.8	39	6.6
			7.0	13.0	9.8	39	6.6
	13-Sep-05	no ice	1.1	9.2	10.7	41	7.3
			2.0	9.2	10.5	41	7.3
			3.0	9.2	10.5	41	7.4
			4.0	9.2	10.5	41	7.4
			5.0	9.2	10.4	41	7.4
			6.0	9.2	10.5	41	7.4
			7.0	9.2	10.4	41	7.4
SNAP13	16-Mar-05	1.2	1.4	0.3	15.5	33	6.1
			2.0	0.7	15.1	30	6.1
			3.1	1.1	14.4	28	6.2
			4.0	1.4	13.5	27	6.2
			5.0	1.6	13.0	27	6.2
			6.0	1.7	12.1	45	6.1
			6.9	1.7	11.4	67	6.0
			8.0	1.6	11.5	125	5.9

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP13 (continued)	16-Mar-05 (continued)	1.2	9.0	1.7	11.9	191	5.9
			10.0	1.7	11.9	196	6.0
			11.0	1.9	11.7	194	6.0
			12.1	1.9	11.4	197	6.0
			13.0	1.9	11.3	198	6.1
			14.1	1.9	11.1	198	6.1
			15.0	2.0	11.1	198	6.1
			16.0	2.0	11.0	198	6.1
			17.1	2.0	10.9	200	6.1
			18.0	2.0	10.8	199	6.1
			19.0	2.1	10.6	197	6.1
			20.0	2.1	10.6	196	6.1
	21.0	2.1	10.4	194	6.2		
	18-Apr-05	1.2	1.5	0.4	13.7	32	6.1
			2.0	0.6	13.6	30	6.2
			3.0	1.2	13.1	29	6.2
			4.0	1.5	12.8	27	6.2
			5.0	1.7	12.3	31	6.1
			6.0	1.7	11.7	53	6.1
			7.0	1.8	10.8	82	6.0
			8.0	1.7	10.8	145	6.0
9.0			1.7	11.7	189	6.0	
10.0			1.9	11.7	194	6.1	
11.0			2.0	11.3	194	6.1	
12.0			2.0	11.0	194	6.1	
13.1			2.1	10.8	194	6.1	
14.1			2.1	10.5	194	6.1	
15.0			2.1	10.5	194	6.2	
16.0			2.2	10.4	193	6.2	
17.0			2.2	10.3	193	6.2	
18.0	2.2	10.2	193	6.2			
19.0	2.2	10.1	193	6.2			
20.1	2.2	10.0	193	6.2			
21.1	2.2	10.0	198	6.2			
18-May-05	1.3	1.5	1.0	14.8	31	5.9	
		2.1	1.6	14.7	29	5.9	
		3.1	2.0	13.8	28	5.9	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH			
SNAP13 (continued)	18-May-05 (continued)	1.3	4.0	2.2	12.8	32	5.9			
			5.1	2.2	12.3	33	5.9			
			6.1	2.3	12.1	47	5.8			
			7.0	2.3	11.0	67	5.8			
			7.9	2.2	10.1	145	5.7			
			8.9	2.1	12.5	173	5.8			
			10.1	2.1	13.3	197	5.8			
			11.0	2.2	12.6	197	5.9			
			12.0	2.3	12.1	196	5.9			
			13.2	2.3	11.7	196	6.0			
			14.1	2.3	11.4	196	6.0			
			15.0	2.3	11.1	196	6.0			
			15.9	2.3	11.0	195	6.0			
			17.1	2.3	11.0	195	6.0			
			18.2	2.4	10.9	194	6.0			
			19.0	2.4	10.8	194	6.0			
			20.0	2.4	10.8	194	6.1			
			20.9	2.5	5.6	173	5.9			
				23-Jul-05	no ice	1.0	12.2	9.1	40	6.4
						2.1	12.2	9.2	40	6.4
3.1	12.2	9.2				40	6.4			
4.1	12.2	9.3				40	6.5			
5.0	12.3	9.4				40	6.4			
6.0	12.3	9.4				40	6.5			
7.1	12.3	9.4				40	6.5			
8.1	12.3	9.4				40	6.5			
9.1	12.3	9.4				40	6.5			
10.1	12.2	9.4				40	6.5			
11.0	12.2	9.4				42	6.5			
12.2	12.0	9.5				49	6.5			
12.9	11.1	9.5				42	6.6			
14.1	10.0	9.8				43	6.6			
15.0	9.5	9.7				46	6.5			
16.1	8.7	9.7	59	6.5						
17.0	7.3	9.6	100	6.4						
18.0	5.6	9.2	143	6.3						
19.0	4.7	8.9	158	6.3						

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP13 (continued)	23-Jul-05 (continued)	no ice	20.0	4.3	8.6	166	6.3
			21.1	3.9	8.4	173	6.2
			22.0	3.8	8.4	176	6.2
	14-Sep-05	no ice	1.0	9.0	10.1	41	7.2
			2.1	9.0	10.1	41	7.2
			3.0	8.9	10.0	41	7.2
			4.0	8.9	10.1	41	7.2
			5.1	8.9	10.0	41	7.2
			6.3	8.9	10.1	41	7.2
			7.0	8.9	10.1	41	7.3
			8.0	8.9	10.1	41	7.3
			9.0	8.8	10.2	42	7.3
			10.0	8.8	10.3	42	7.3
			11.0	8.8	10.0	44	7.3
			11.9	8.7	10.1	46	7.3
			12.9	8.7	10.4	46	7.3
			14.0	8.6	10.1	47	7.3
			15.0	8.6	10.0	48	7.3
			16.0	8.6	10.1	48	7.3
			16.8	8.5	10.3	48	7.3
17.8	8.5	10.3	49	7.3			
19.1	8.5	10.1	49	7.3			
19.9	8.4	10.0	50	7.3			
21.0	8.4	10.2	50	7.3			
SNAP14	15-Mar-05	1.2	1.3	0.4	15.6	33	6.3
			2.0	0.7	15.5	29	6.3
			3.1	1.1	14.8	28	6.3
			4.0	1.4	14.1	29	6.3
			5.1	1.5	13.2	37	6.3
			6.0	1.7	12.3	39	6.2
			7.1	1.9	11.0	57	6.3
			8.1	1.7	11.1	104	6.1
			9.0	1.8	11.5	169	6.1
			10.0	2.0	11.2	172	6.1
			11.0	2.2	10.7	170	6.1
			12.0	2.5	10.2	169	6.1
13.1	2.7	9.5	168	6.1			

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP14 (continued)	17-Apr-05	1.4	1.6	0.7	13.5	30	6.2
			2.0	0.9	13.6	29	6.2
			3.0	1.3	13.4	27	6.2
			4.0	1.6	12.7	27	6.2
			5.0	1.7	12.1	31	6.2
			6.0	1.9	11.5	34	6.1
			7.0	2.1	10.8	55	6.0
			8.0	2.2	10.4	77	6.0
	17-May-05	1.4	1.6	0.1	15.7	30	6.6
			1.9	1.0	14.5	28	6.5
			2.9	1.5	14.3	27	6.5
			4.1	1.8	14.1	27	6.5
			4.1	1.9	13.5	35	6.4
			6.2	2.1	10.6	54	6.3
			7.2	2.3	10.6	91	6.2
	23-Jul-05	no ice	1.1	12.0	9.2	38	6.6
			2.0	12.0	9.3	38	6.6
			3.0	12.1	9.4	38	6.6
			3.9	12.1	9.4	38	6.6
			5.0	12.1	9.5	38	6.6
			6.1	12.1	9.5	38	6.6
			7.0	12.1	9.5	38	6.6
			8.1	12.2	9.5	38	6.6
			9.1	12.2	9.5	38	6.7
			10.0	12.2	9.5	38	6.7
			11.1	12.2	9.5	38	6.7
			12.0	12.1	9.5	38	6.6
			13.0	12.1	9.5	40	6.6
	14-Sep-05	no ice	1.0	8.9	10.1	41	7.2
			2.0	8.9	10.2	41	7.2
			3.0	8.9	10.1	41	7.2
			4.0	8.9	10.2	41	7.2
			5.1	8.9	10.1	41	7.2
6.0			8.9	10.1	41	7.2	
7.0			8.9	10.0	41	7.3	
8.0			8.9	10.1	41	7.2	
9.0			8.9	10.2	41	7.2	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNAP14 (continued)	14-Sep-05 (continued)	no ice	10.1	8.9	10.1	41	7.2
			11.0	8.9	10.1	41	7.2
			12.0	8.9	10.0	41	7.2
			13.0	8.9	10.1	41	7.3
			14.1	8.9	10.1	41	7.2
SNAP16 (2of3)	19-Apr-05	1.3	1.3	0.4	14.8	33	6.4
			2.3	1.1	14.4	29	6.4
			3.3	1.4	14.0	27	6.4
			4.3	1.6	13.5	27	6.4
			5.3	1.8	12.9	28	6.4
			6.3	2.0	12.4	36	6.3
			7.3	2.0	11.6	85	6.1
			8.3	2.3	11.3	108	6.1
			9.3	2.3	10.2	136	6.0
10.3	2.3	9.8	150	6.0			
SNAP16 (3of3)	19-Apr-05	1.3	1.3	0.3	15.3	34	6.2
			2.3	0.9	15.1	29	6.2
			3.3	1.3	14.3	27	6.3
			4.3	1.6	13.6	27	6.3
			5.3	1.8	12.9	28	6.2
			6.3	1.9	12.2	36	6.2
			7.3	2.0	11.5	91	6.0
			8.3	2.3	10.6	116	6.0
			9.3	2.3	9.5	129	6.0
10.3	2.3	9.4	153	6.0			
SNP 02-20a	18-Jan-05	0.9	1.0	1.1	20.5	48	6.2
			2.0	1.1	19.7	37	6.2
			3.1	1.4	18.2	34	6.2
			3.5	1.4	17.0	43	6.2
	18-Feb-05	1.3	0.1	0.6	16.8	41	7.1
			1.0	0.8	15.7	40	7.1
			2.0	1.3	14.1	32	7.1
			3.0	1.7	13.9	31	7.1
	21-Mar-05	1.2	1.5	1.8	15.1	39	6.1
			2.0	1.5	14.5	33	6.1
			3.0	1.7	13.8	30	6.2

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH	
SNP 02-20a (continued)	17-Apr-05	1.3	1.5	0.6	14.2	36	6.2	
			2.0	0.8	14.5	34	6.2	
			3.0	1.3	14.3	30	6.2	
	18-May-05	1.3	1.6	0.5	17.6	34	6.5	
			2.0	1.0	17.4	35	6.5	
			3.1	1.5	16.9	62	6.4	
	24-Jul-05	no ice	1.1	11.7	9.2	51	5.4	
			2.1	11.7	9.3	52	5.5	
			3.1	11.5	9.5	54	5.6	
			4.0	11.4	9.6	55	5.6	
	17-Aug-05	no ice	1.0	11.8	10.3	42	7.1	
			2.0	11.6	10.3	42	7.1	
			3.1	11.4	10.5	44	7.1	
	14-Sep-05	no ice	1.0	8.2	10.4	44	7.2	
			2.0	8.2	10.4	43	7.2	
			3.0	8.2	10.4	43	7.2	
			4.0	8.1	10.3	44	7.3	
	SNP 02-20b	18-Jan-05	1.1	1.0	0.1	20.8	41	6.4
				2.0	0.6	18.9	36	6.4
				3.0	0.9	17.8	35	6.4
4.1				1.4	15.2	34	6.3	
5.1				1.6	15.4	42	6.4	
18-Feb-05		1.5	0.5	0.3	15.0	36	7.1	
			1.5	0.8	14.3	35	7.2	
			2.5	1.2	13.6	35	7.2	
			3.5	1.5	13.2	142	7.1	
			4.5	1.9	13.0	341	6.8	
22-Mar-05		1.4	1.5	0.8	13.9	36	6.4	
			2.0	0.8	14.0	33	6.4	
			3.0	1.1	13.9	36	6.3	
			4.0	1.6	14.0	188	6.1	
			5.0	1.9	13.1	307	6.2	
20-Apr-05		1.5	1.6	1.0	12.8	35	5.6	
			2.0	0.9	13.8	35	5.7	
			3.0	1.3	14.1	41	5.7	
			4.0	1.6	14.3	191	5.5	
			5.0	1.8	14.0	257	5.6	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNP 02-20b	18-May-05	1.3	1.5	0.2	15.1	31	6.5
			2.1	1.0	15.2	31	6.5
			3.0	1.4	15.6	96	6.3
			4.1	1.8	15.4	197	6.2
			5.0	2.0	15.1	220	6.2
	24-Jul-05	no ice	1.0	11.9	9.1	52	5.8
			2.0	11.9	9.2	52	5.9
			3.0	11.8	9.3	52	6.0
			4.1	11.8	9.3	53	6.0
			5.0	11.7	9.3	55	6.0
	17-Aug-05	no ice	1.1	12.0	10.5	43	7.3
			2.1	11.7	10.4	43	7.3
			3.1	11.4	10.5	45	7.3
			4.1	11.3	10.5	102	7.3
			5.3	11.2	10.3	158	7.4
	14-Sep-05	no ice	1.0	7.7	10.9	45	7.2
			2.0	7.7	10.6	45	7.3
			3.0	7.7	10.5	44	7.3
			4.0	7.7	10.5	44	7.3
			5.0	7.6	10.6	44	7.3
SNP 02-20c	18-Jan-05	1.0	1.2	0.3	20.8	47	6.6
			1.4	0.3	20.5	47	6.7
	17-Feb-05	1.4	0.5	0.0	16.1	47	6.6
	22-Mar-05	1.5	1.6	0.5	13.8	37	6.4
			2.0	1.0	13.0	36	5.4
	20-Apr-05	1.5	1.7	1.2	13.0	36	5.4
			2.0	1.0	13.6	36	5.5
	18-May-05	1.3	1.5	0.6	15.4	34	6.5
			1.7	0.9	15.3	35	6.5
	24-Jul-05	no ice	0.5	12.2	9.7	66	6.3
			1.0	12.2	9.8	65	6.3
	17-Aug-05	no ice	0.5	11.8	10.4	44	7.3
			1.0	11.7	10.3	44	7.3
1.5			11.6	10.4	44	7.3	
2.0			11.5	10.5	44	8.5	

**Table II-4 2005 Profile Data, Snap Lake (continued)**

Station	Date	Ice Thickness (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH
SNP 02-20c (continued)	14-Sep-05	no ice	0.5	7.7	10.7	63	7.4
			1.0	7.7	10.8	63	7.3
			1.5	7.7	10.5	57	7.4
			2.0	7.6	10.8	51	7.7

Notes:

m = metres.

- = data not available.

°C = degrees Celsius.

mg/L = milligrams per litre.

µS/cm = microSiemens per centimetre.

Shading indicates questionable value.

**Table II-5 Snap Lake Profile Data, 2006**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP01	18-Jan-06	0.8	1.0	1.5	16.7	119	28	6.6
			2.0	1.7	14.5	104	22	6.5
			3.0	2.5	12.5	91	21	6.5
			4.0	3.2	9.9	74	22	6.3
	18-Feb-06	1.0	1.1	1.9	17.5	127	17	6.2
			2.0	2.2	14.9	108	14	6.1
			3.0	2.6	11.3	83	12	6.0
			4.0	3.2	8.5	63	13	6.0
	17-Mar-06	1.2	1.1	0.9	18.6	130	16	6.1
			2.0	1.5	17.7	125	14	6.1
			3.0	2.3	15.4	111	13	6.1
			4.1	3.3	11.2	84	14	6.1
SNAP02	18-Jan-06	0.9	1.0	0.4	17.8	123	28	6.0
			2.0	1.7	15.2	110	23	5.9
			3.0	2.3	13.6	99	21	5.9
			4.0	2.9	11.9	88	21	5.9
			5.0	3.3	9.9	74	22	5.9
			6.0	3.6	8.4	63	23	5.9
			7.0	3.8	7.1	54	24	5.9
	18-Feb-06	1.1	1.3	1.1	18.1	128	17	6.1
			2.0	1.6	16.0	114	14	6.0
			3.0	2.6	13.4	98	12	6.1
			4.0	3.0	11.5	86	12	6.0
			5.0	3.5	8.5	64	13	5.9
			6.0	3.8	5.9	45	14	6.0
			7.0	3.9	5.7	43	15	5.8
17-Mar-06	1.3	1.4	0.5	18.9	131	17	6.3	
		2.0	1.4	17.9	127	15	6.3	
		3.0	2.2	16.9	123	14	6.2	
		4.0	3.1	14.3	106	13	6.3	
		5.0	3.5	11.4	84	14	6.2	
		5.1	3.8	6.5	48	15	6.1	
		7.0	4.0	4.7	35	16	6.0	
		8.1	4.1	3.1	24	17	5.9	
SNAP02A	16-Apr-06	1.3	1.5	1.1	16.9	119	16	6.4
			2.0	1.6	16.1	116	15	6.4
			3.0	2.5	14.3	107	14	6.4
			4.0	3.3	12.9	96	14	6.4
			5.0	3.7	9.3	73	14	6.3
			6.0	4.0	6.0	47	15	6.3

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP02A (continued)	16-Apr-06 (continued)	1.3	7.0	4.2	4.1	31	16	6.2
			8.0	4.1	3.1	24	17	6.2
			9.0	4.1	2.7	21	18	6.2
			10.0	4.2	2.4	18	18	6.2
	14-Sep-06		1.0	8.89	10.93	100	17	6.57
			2.0	8.92	10.78	98	17	6.55
			3.0	8.89	10.75	98	17	6.60
			4.0	8.90	10.74	98	17	6.61
			5.0	8.91	10.72	98	17	6.56
			6.0	8.92	10.71	98	17	6.65
			7.0	8.91	10.70	98	17	6.63
			8.0	8.91	10.68	98	17	6.66
			8.0	8.90	10.71	98	17	6.71
			10.0	8.88	10.68	97	17	6.68
SNAP03	14-Jan-06	0.8	1.0	0.3	16.2	111	51	6.7
			2.0	0.7	15.2	106	47	6.6
			3.0	1.0	14.6	102	45	6.6
			4.0	1.2	14.0	99	44	6.6
			5.0	1.4	13.4	96	42	6.7
			6.0	1.7	13.2	95	41	6.6
			7.0	2.0	10.9	79	57	6.4
			8.0	2.1	10.5	76	89	6.3
			9.0	2.2	9.4	68	118	6.2
			10.0	2.3	6.8	53	147	6.2
			11.0	2.2	8.7	632	162	6.0
			12.0	2.2	8.7	63	181	6.0
	18-Feb-06	1.0	1.1	0.1	15.6	107	28	6.6
			2.0	0.7	14.7	102	48	6.6
			3.0	0.9	14.1	99	46	6.5
			4.0	1.2	13.8	98	45	6.5
			5.0	1.5	13.3	95	44	6.5
			6.0	1.8	11.2	81	46	5.4
			7.0	2.1	10.4	75	88	6.1
			8.0	2.1	9.9	72	132	6.0
			9.0	2.2	8.3	61	156	5.9
			10.0	2.2	8.8	64	190	5.9
17-Mar-06	1.1	1.2	0.7	17.4	122	29	7.0	
		2.1	0.9	16.8	118	28	6.9	
		3.0	1.4	15.6	111	26	6.8	
		4.1	1.5	15.1	108	26	6.7	

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP03 (continued)	17-Mar-06 (continued)	1.1	5.0	1.7	14.7	106	26	6.7
			7.1	2.1	12.9	96	61	6.5
			6.1	2.0	11.3	82	30	6.6
			8.0	2.2	10.7	78	82	6.4
			9.0	2.3	9.9	73	102	6.3
			10.0	2.4	9.8	68	112	6.3
			11.1	2.4	8.2	61	126	6.3
			12.0	2.3	8.2	60	140	6.3
	8-Apr-06	1.2	1.3	0.5	16.2	113	29	6.5
			2.0	1.0	15.8	111	27	6.5
			3.0	1.3	14.8	105	26	6.5
			4.0	1.5	14.1	101	26	6.5
			5.0	1.7	13.5	97	27	6.5
			6.0	1.9	11.9	86	32	6.4
			7.0	2.2	9.5	69	65	6.3
			8.0	2.3	9.1	66	97	6.2
			9.0	2.3	8.4	62	115	6.2
			10.0	2.4	7.6	56	123	6.2
			11.0	2.3	7.1	52	138	6.2
			12.0	2.4	7.3	53	147	6.2
	13-Jul-06	no ice	1.0	14.33	11.46	118	73	7.01
			2.0	14.37	11.47	120	73	7.03
			3.0	14.38	11.46	120	73	7.05
			4.0	14.39	11.45	120	73	7.06
			5.0	14.40	11.45	120	73	7.06
			6.0	14.40	11.47	120	73	7.06
			7.0	14.40	11.46	120	73	7.06
			8.0	14.41	11.46	120	73	7.07
			9.0	14.41	11.47	120	73	7.05
			10.0	14.41	11.47	120	73	7.07
			11.0	14.41	11.47	120	73	7.09
			12.0	14.40	11.47	120	73	7.09
	13-Sep-06	no ice	1.1	10.31	12.05	110	71	7.12
2.0			10.40	11.94	113	71	7.13	
3.0			10.42	11.93	113	71	7.14	
4.1			10.42	11.91	113	71	7.13	
5.1			10.43	11.89	113	71	7.13	
6.1			10.44	11.88	113	71	7.15	
7.0			10.44	11.87	112	71	7.14	
8.1			10.45	11.85	112	71	7.14	
9.1	10.45	11.99	114	72	7.15			

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP03 (continued)	13-Sep-06 (continued)	no ice	10.2	10.45	11.85	112	71	7.16
			11.0	10.45	11.84	112	72	7.16
			12.1	10.45	11.83	112	72	7.16
SNAP04	17-Jan-06	0.8	1.0	0.4	17.1	118	55	6.7
			2.0	1.1	15.3	108	50	6.7
			3.0	2.1	12.5	91	45	6.6
			4.0	3.2	9.2	69	42	6.5
	19-Feb-06	1.0	1.0	0.4	18.1	125	33	6.2
			2.0	1.1	17.3	122	29	6.2
			3.0	2.1	14.9	107	27	6.2
			4.0	3.0	9.7	72	26	6.2
	17-Mar-06	1.0	4.4	3.4	7.4	56	26	6.1
			1.2	0.7	18.4	128	34	6.4
			2.1	1.0	17.6	123	31	6.4
			3.1	2.1	15.3	109	28	6.4
	13-Apr-06	1.1	4.0	3.0	11.2	85	27	6.4
			1.3	0.4	16.5	114	32	6.3
			2.0	1.1	15.6	110	31	6.3
	19-Jul-06	no ice	3.0	1.8	14.1	102	30	6.3
			1.0	15.95	9.59	103	53	6.62
			2.0	15.92	9.58	103	53	6.66
			3.0	15.88	9.60	103	53	6.68
	14-Sep-06	no ice	4.0	15.85	6.59	71	53	6.72
			1.0	8.49	11.29	102	48	6.49
			2.0	8.63	11.04	100	48	6.53
			1.5	8.70	10.95	100	48	6.61
			2.5	8.72	10.93	99	48	6.63
3.0			8.73	10.91	99	48	6.65	
3.5			8.74	10.90	99	48	6.66	
4.0			8.75	10.90	99	48	6.68	
SNAP05	14-Jan-06	0.8	1.0	0.0	16.3	112	51	6.5
			2.0	0.6	15.7	109	47	6.6
			3.0	0.9	14.9	105	45	6.5
			4.0	1.1	14.0	99	45	6.5
			5.0	1.3	13.7	97	45	6.5
			6.0	1.5	12.9	92	48	6.5
			7.0	1.6	12.3	88	100	6.3
			8.0	1.6	12.1	87	133	6.2
			9.0	1.6	11.8	84	202	6.2
			10.0	1.8	11.3	81	207	6.2
			11.0	2.1	9.8	66	204	6.1

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP05 (continued)	14-Jan-06 (continued)	0.8	12.0	2.2	9.7	70	203	6.1
			13.0	2.4	9.7	71	189	6.0
	18-Feb-06	1.0	1.1	0.2	16.1	111	54	6.6
			2.0	0.7	15.0	107	49	6.6
			3.0	1.0	14.7	104	48	6.5
			4.0	1.3	14.0	100	47	6.5
			5.0	1.4	13.0	93	46	6.5
			6.0	1.6	11.6	83	54	6.4
			7.0	1.6	11.8	84	130	6.1
			8.0	1.7	11.0	79	162	6.1
			9.0	1.7	10.6	76	234	6.0
			10.0	1.9	10.1	73	242	6.0
			11.0	2.1	9.5	69	239	6.0
			12.0	2.4	8.9	65	235	6.0
			13.0	2.6	8.2	60	233	6.0
	16-Mar-06	1.2	1.0	0.1	18.0	123	31	6.6
			2.0	0.7	16.9	117	28	6.6
			3.0	1.1	15.8	112	27	6.6
			4.0	1.4	15.0	106	27	6.6
			5.0	1.6	14.1	100	28	6.5
			6.0	1.7	13.3	94	51	6.4
			7.0	1.7	12.5	89	84	6.4
		1.2	8.0	1.8	11.7	83	112	6.4
			9.0	1.8	11.1	79	144	6.3
			10.0	2.0	10.2	83	147	6.4
			11.0	2.3	9.3	68	147	6.4
			12.0	2.5	8.7	64	146	6.4
			13.0	2.8	8.2	60	145	6.3
			14.0	3.1	6.6	48	145	6.3
	8-Apr-06	1.2	1.5	0.8	16.5	115	28	6.4
			2.0	0.9	15.7	111	27	6.4
			3.1	1.3	15.1	107	27	6.4
			4.1	1.6	14.2	102	26	6.4
4.9			1.7	12.8	93	28	6.4	
6.1			1.8	11.7	83	58	6.2	
7.0			1.8	11.6	84	89	6.2	
8.1			1.9	11.0	80	122	6.1	
9.1			1.9	10.0	72	148	6.2	
10.1			2.1	9.4	68	149	6.2	
11.0			2.3	8.7	64	148	6.2	
12.1			2.6	8.1	60	147	6.2	

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP05 (continued)	8-Apr-06 (continued)	1.2	13.0	2.7	7.6	56	147	6.2
			14.1	3.1	5.4	40	147	6.2
	13-Jul-06	no ice	6.0	14.23	11.47	118	65	6.98
			7.0	14.27	11.47	119	65	7.00
			8.0	14.19	11.48	118	64	6.99
			9.0	14.18	11.47	118	64	6.99
			10.0	14.15	11.47	118	64	7.01
			11.0	14.08	11.48	118	64	7.00
			12.0	14.03	11.47	118	62	7.01
			13.0	14.02	11.48	118	62	7.02
	13-Sep-06	no ice	1.1	10.29	11.90	107	66	7.11
			2.0	10.32	11.87	111	66	7.11
			3.0	10.35	11.85	110	66	7.11
			4.0	10.36	11.85	110	66	7.10
			5.1	10.37	11.83	110	67	7.10
			6.0	10.38	11.81	110	66	7.11
			7.1	10.38	11.80	112	66	7.12
			8.0	10.40	11.87	110	66	7.13
			9.1	10.40	11.80	110	66	7.13
			10.1	10.40	11.78	110	66	7.12
11.0			10.40	11.78	110	66	7.13	
12.0			10.38	11.76	106	66	7.13	
13.0	10.32	11.78	106	66	7.13			
SNAP06	15-Jan-06	0.9	1.0	0.5	15.8	110	50	6.7
			2.0	0.9	14.3	100	46	6.6
			3.0	1.1	13.8	97	44	6.6
			4.0	1.2	13.3	94	45	6.6
			5.0	1.4	13.1	83	46	6.5
			6.0	1.6	12.0	86	49	6.4
			7.0	1.8	10.9	79	99	6.3
			8.0	2.0	10.1	73	116	6.2
			9.0	2.0	9.4	68	149	6.1
			10.0	2.3	8.0	59	165	6.0
			11.0	2.3	8.2	60	165	5.9
			19-Feb-06	1.2	1.3	0.4	17.0	118
	2.0	0.8			15.6	109	26	6.4
	3.0	1.1			14.8	104	25	6.4
	4.0	1.3			16.3	97	25	6.4
	5.0	1.5			13.9	99	27	6.3
	6.0	1.7			13.0	93	29	6.3
	7.0	1.8			11.4	82	63	6.2

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP06 (continued)	19-Feb-06 (continued)	1.2	8.0	2.0	9.3	67	84	6.2
			9.0	2.1	9.0	66	102	6.2
			10.0	2.2	8.4	61	114	6.2
			11.0	2.3	8.2	60	117	6.2
			12.0	2.4	8.0	59	119	6.2
	16-Mar-06	1.4	1.5	0.3	17.2	119	29	6.5
			2.1	0.8	16.4	114	28	6.6
			3.0	1.1	15.8	111	27	6.5
			4.1	1.4	14.8	105	26	6.5
			5.1	1.6	14.2	102	30	6.5
			6.1	1.7	13.4	96	33	6.4
			7.0	1.8	12.5	89	88	6.3
			8.2	2.0	10.8	77	101	6.3
			9.1	2.2	8.8	64	120	6.3
			10.1	2.2	8.3	60	128	6.3
			11.1	2.4	7.8	57	129	6.3
			12.1	2.5	7.4	54	131	6.3
			8-Apr-06	1.4	1.4	0.9	16.3	115
	2.0	1.1			16.0	113	28	6.0
	3.0	1.4			15.1	108	27	6.0
	4.0	1.7			13.8	100	26	6.0
	5.0	1.9			12.2	89	27	6.1
	6.0	2.0			12.0	86	35	6.0
	7.0	1.9			10.9	79	95	5.9
	8.0	2.2			9.1	67	107	6.0
	9.0	2.3			7.9	58	124	6.0
	10.0	2.4			7.1	52	132	6.1
	10.9	2.5			6.6	48	133	6.1
	11.9	2.7	6.0	44	134	6.2		
	13-Jul-06	no ice	1.0	14.23	11.50	119	64	7.04
			2.0	14.25	11.51	119	64	7.02
			3.0	14.26	11.52	119	64	7.03
			4.0	14.26	11.50	119	64	7.03
5.0			14.26	11.49	119	63	7.03	
6.0			14.25	11.50	119	63	7.05	
7.0			14.25	11.50	119	63	7.03	
8.0			14.25	11.50	119	63	7.05	
9.0			14.25	11.50	119	63	7.04	
10.0			14.24	11.49	119	62	7.04	
11.0			14.24	11.50	119	62	7.06	

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP06 (continued)	13-Jul-06 (continued)	no ice	12.0	14.24	11.50	119	62	7.04
			13.0	14.22	11.49	119	61	7.05
	13-Sep-06	no ice	1.1	10.32	11.75	107	62	6.46
			2.0	10.39	11.69	111	62	6.48
			3.1	10.47	11.66	110	62	6.52
			4.1	10.50	11.64	110	62	6.57
			5.0	10.52	11.63	110	62	6.60
			6.0	10.52	11.62	110	62	6.62
			7.0	10.52	11.79	112	62	6.62
			8.1	10.52	11.64	110	63	6.66
			9.1	10.52	11.63	110	63	6.67
			10.0	10.52	11.62	110	63	6.70
			11.1	10.40	11.63	110	64	6.72
			12.0	10.34	11.63	106	64	6.73
13.1	10.30	11.63	106	64	6.74			
SNAP07	16-Jan-06	0.9	1.0	0.6	16.8	117	55	6.9
			2.0	1.0	15.8	111	50	6.9
			3.0	1.1	15.3	108	51	6.9
			4.0	1.3	14.8	105	50	6.8
			5.0	1.5	13.9	99	50	6.7
			6.0	2.0	12.6	91	47	6.7
			7.0	2.4	11.6	84	45	6.7
	19-Feb-06	1.1	1.2	0.3	17.5	121	30	6.5
			2.0	0.7	16.0	112	28	6.5
			3.0	1.0	14.9	105	28	6.4
			4.0	1.3	14.8	105	29	6.4
			5.0	1.4	13.8	98	29	6.3
			6.0	1.9	11.4	82	28	6.3
			7.0	2.4	10.4	76	27	6.2
	17-Mar-06	1.3	1.3	0.5	18.3	127	31	6.9
			2.1	0.9	17.7	124	30	6.8
			3.0	1.1	17.0	120	29	6.7
			4.0	1.3	16.3	116	29	6.7
			5.0	1.6	14.8	106	30	6.6
			6.1	2.1	12.2	89	29	6.6
			7.0	2.5	11.0	80	28	6.5
	10-Apr-06	1.3	1.3	0.6	16.0	112	32	6.4
			2.1	1.0	16.0	112	30	6.4
			3.0	1.3	16.0	113	29	6.3

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP07 (continued)	10-Apr-06 (continued)	1.3	4.0	1.6	15.5	111	31	6.3	
			5.0	1.8	14.9	108	30	6.3	
			5.9	2.2	12.8	93	30	6.2	
			7.0	2.6	11.6	86	29	6.2	
			8.0	2.9	9.6	70	29	6.2	
			9.1	3.0	6.0	45	29	6.0	
	14-Jul-06	no ice	1.0	13.95	11.62	119	54	6.64	
			2.0	13.95	11.62	119	54	6.68	
			3.0	13.96	11.61	119	54	6.71	
			4.0	13.96	11.61	119	54	6.75	
			5.0	13.96	11.60	119	54	6.77	
			6.0	13.95	11.60	119	54	6.78	
			7.0	13.94	11.59	119	54	6.80	
			8.0	13.91	11.59	119	54	6.80	
			9.0	13.89	11.59	119	54	6.79	
	15-Sep-06	no ice	1.0	8.97	11.56	106	57	6.33	
			2.0	8.95	11.36	104	57	6.40	
			3.0	8.93	11.30	103	57	6.46	
			4.0	8.88	11.28	103	56	6.50	
			5.0	8.82	11.25	102	56	6.51	
			6.0	8.71	11.22	112	55	6.56	
			7.0	8.68	11.23	112	55	6.58	
			8.0	8.59	11.25	102	55	6.60	
			9.0	8.54	11.27	102	55	6.84	
	SNAP08	16-Jan-06	0.8	1.0	1.6	15.7	112	54	7.6
				2.0	2.5	13.9	102	46	7.4
3.0				3.5	12.4	93	43	7.4	
4.0				4.2	8.4	64	43	7.1	
5.0				4.1	8.0	61	43	7.0	
6.0				4.3	5.7	44	44	6.8	
7.0				4.3	3.9	30	44	6.6	
8.0				4.2	4.4	34	46	6.6	
19-Feb-06		1.1	1.2	0.2	17.1	118	31	6.4	
			2.0	1.4	14.5	104	27	6.4	
			3.0	3.0	10.7	79	25	6.4	
			4.0	3.8	6.9	52	25	6.3	
			5.0	4.0	6.6	50	26	6.1	
			6.0	4.0	6.2	47	27	6.1	
			7.0	4.1	4.8	46	27	6.0	
8.0	4.3	2.2	17	29	6.0				

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP08 (continued)	17-Mar-06	1.1	1.1	0.3	17.5	121	33	6.5
			2.1	1.0	16.9	119	29	6.5
			3.1	2.8	13.8	103	26	6.4
			4.0	3.9	10.6	83	26	6.4
			5.1	4.1	7.0	54	27	6.3
			6.0	4.1	5.5	43	27	6.2
			7.1	4.2	4.0	32	28	6.1
			8.1	4.4	1.9	16	31	6.1
			9.1	4.6	0.6	5	69	6.1
	10-Apr-06	1.2	1.3	0.9	16.1	113	32	6.3
			2.0	2.1	13.7	100	30	6.2
			3.1	3.3	12.0	92	28	6.2
			4.0	4.0	8.2	65	27	6.1
			5.0	4.1	6.1	48	27	6.1
			6.0	4.2	4.7	38	28	6.0
			7.1	4.2	3.8	30	29	6.0
			8.0	4.5	1.6	13	39	6.0
	14-Jul-06	no ice	1.0	14.08	11.50	118	52	6.44
			2.0	14.06	11.50	118	52	6.45
			3.0	14.04	11.51	118	52	6.48
			4.0	14.02	11.51	118	52	6.51
			5.0	14.00	11.52	118	52	6.52
			6.0	14.00	11.52	118	52	6.55
			7.0	13.98	11.51	118	52	6.58
			8.0	13.95	11.54	118	52	6.58
			1.0	14.18	11.59	120	52	6.82
			2.0	14.13	11.60	119	52	6.83
			3.0	14.09	11.61	119	52	6.86
			4.0	14.06	11.65	120	52	6.87
	15-Sep-06	no ice	1.0	8.58	11.28	102	52	6.25
			2.0	8.42	11.31	102	52	6.28
			3.0	8.35	11.32	102	52	6.30
4.0			8.32	11.31	102	51	6.34	
5.0			8.28	11.32	102	51	6.37	
6.0			8.23	11.33	102	51	6.40	
7.0			8.18	11.27	102	51	6.44	
SNAP09	16-Jan-06	0.8	1.0	0.4	14.4	100	48	6.8
			2.0	0.8	13.9	97	44	6.8
			3.0	1.0	13.4	94	43	6.7
			4.0	1.1	13.1	92	43	6.7
			5.0	1.3	12.8	91	43	6.6

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP09 (continued)	16-Jan-06 (continued)	0.8	6.0	1.4	12.7	90	44	6.6
			7.0	1.5	12.4	88	44	6.5
			8.0	1.6	12.1	86	44	6.5
			9.0	1.7	11.9	85	45	6.4
			10.0	1.8	11.7	84	45	6.3
			11.0	1.9	11.3	81	45	6.3
			12.0	1.9	10.4	75	44	6.2
			13.0	2.0	9.8	71	44	6.1
			14.0	2.2	8.9	64	44	6.0
	19-Feb-06	1.0	1.2	0.6	15.3	107	27	6.3
			2.0	0.9	13.8	97	24	6.2
			3.0	1.2	13.0	92	23	6.3
			4.0	1.4	12.6	89	23	6.3
			5.0	1.5	12.3	88	24	6.3
			6.0	1.6	12.0	86	24	6.3
			7.0	1.7	11.7	84	25	6.3
			8.0	1.8	11.5	83	25	6.2
			9.0	1.9	10.8	78	25	6.2
			10.0	2.0	10.4	75	25	6.2
			11.0	2.1	9.6	70	25	6.2
			12.0	2.2	8.7	63	25	6.1
			13.0	2.3	7.9	58	25	6.1
			14.0	2.4	6.9	51	26	6.0
	17-Mar-06	1.2	1.2	0.2	16.8	116	28	6.5
			2.0	0.8	15.7	110	25	6.5
			3.0	1.2	14.7	104	24	6.5
			4.1	1.4	13.4	96	24	6.5
			5.1	1.6	12.9	92	25	6.5
			6.1	1.7	12.4	89	25	6.4
			7.1	1.8	12.0	87	26	6.4
			8.1	1.9	11.6	4	26	6.4
			9.1	2.0	10.9	79	28	6.4
			10.0	2.1	10.4	76	28	6.4
			11.0	2.2	9.3	68	29	6.3
			12.1	2.3	8.4	61	30	6.2
13.0			2.4	7.5	55	31	6.5	
11-Apr-06	1.2	1.3	0.7	15.2	106	28	6.6	
		2.0	1.0	14.9	105	26	6.6	
		3.0	1.4	13.7	98	25	6.6	
		4.0	1.7	12.8	92	25	6.6	

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP09 (continued)	11-Apr-06 (continued)	1.2	5.1	1.8	12.0	87	26	6.6
			6.0	1.9	11.5	83	26	6.5
			7.0	2.0	11.0	80	27	6.5
			8.0	2.1	10.4	77	28	6.5
			9.0	2.2	8.7	63	30	6.4
			10.0	2.3	8.3	60	32	6.3
			11.0	2.3	7.8	57	35	6.3
			11.9	2.4	7.3	54	36	6.3
			13.0	2.4	6.9	50	41	6.2
			14.0	2.4	6.9	50	49	6.2
			15.0	2.5	4.8	33	52	6.2
	14-Jul-06	no ice	1.0	14.41	11.58	121	56	6.92
			2.0	14.37	11.58	121	56	6.92
			3.0	14.34	11.56	119	56	6.93
			4.0	14.33	11.59	120	56	6.93
			5.0	14.27	11.59	120	56	6.94
			6.0	14.29	11.58	120	56	6.94
			7.0	14.27	11.58	120	56	6.95
			8.0	14.24	11.58	120	56	6.95
			9.0	14.16	11.59	120	55	6.94
			10.0	14.10	11.60	119	55	6.94
			11.0	14.08	11.59	119	55	6.94
			12.0	14.05	11.60	119	55	6.95
			13.0	14.03	11.61	119	55	6.69
	15-Sep-06	no ice	1.0	9.81	11.44	107	58	6.81
			2.0	9.80	11.22	105	58	6.87
			3.0	9.77	11.20	104	58	6.89
			4.0	9.74	11.18	104	58	6.90
			5.0	9.70	11.18	104	58	6.90
			6.0	9.68	11.16	104	58	6.92
			7.0	9.67	11.13	104	58	6.93
			8.0	9.66	11.13	104	58	6.94
			9.0	9.66	11.12	103	58	6.94
10.0			9.65	11.11	103	58	6.97	
11.0			9.65	11.07	103	58	6.97	
12.0			9.64	11.09	103	58	6.97	
13.0			9.61	11.07	103	57	6.96	
14.0	9.50	11.09	103	57	6.96			

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP10	17-Jan-06	0.8	1.0	0.9	16.4	115	54	7.9
			2.0	1.0	15.7	110	51	7.8
			3.0	1.2	14.8	105	53	7.7
			4.0	1.3	14.6	104	54	7.6
	19-Feb-06	1.0	1.1	0.5	17.3	120	30	6.3
			2.0	0.9	16.0	112	27	6.3
			3.0	1.1	14.9	106	27	6.3
			4.0	1.3	14.5	103	27	6.3
	17-Mar-06	1.1	1.0	0.1	18.2	125	31	6.6
			2.0	0.6	17.0	118	29	6.6
			3.0	1.1	16.0	112	29	6.5
			4.0	1.4	15.4	110	29	6.5
			5.0	1.9	15.1	101	35	6.4
	11-Apr-06	1.2	1.3	0.5	16.3	113	31	6.5
			2.1	0.7	16.0	112	30	6.1
			3.0	1.1	15.3	108	29	6.5
			4.0	1.5	14.9	106	29	6.5
			5.0	2.0	13.9	102	35	6.4
	15-Sep-06	no ice	1.0	8.62	11.65	106	53	6.63
			2.0	8.61	11.50	104	53	6.65
3.0			8.56	11.43	104	53	6.69	
4.0			8.50	11.43	103	53	6.70	
SNAP11	17-Jan-06	0.8	1.0	0.5	14.8	103	48	7.3
			2.0	0.9	13.8	96	44	7.2
			3.0	1.0	13.4	94	44	7.2
			4.0	1.2	13.1	93	44	7.2
			5.0	1.3	12.9	92	44	7.2
			6.0	1.4	12.8	91	46	7.1
			7.0	1.5	12.6	90	46	7.1
			8.0	1.6	12.4	89	46	7.1
			9.0	1.6	12.1	86	46	7.0
			10.0	1.7	11.7	84	46	7.0
			11.0	1.8	11.1	80	48	6.8
			12.0	1.9	10.6	77	50	6.7
			13.0	2.0	10.2	73	54	6.5
			14.0	2.1	9.6	69	53	6.5
	15.0	2.3	8.2	60	53	6.4		
	19-Feb-06	1.0	1.2	0.5	15.9	110	27	6.3
			2.0	0.9	14.2	100	25	6.3
			3.0	1.2	13.3	94	24	6.3
			4.0	1.4	12.8	91	24	6.3

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP11 (continued)	19-Feb-06 (continued)	1.0	5.0	1.5	12.7	91	25	6.3
			6.0	1.6	12.4	89	25	6.3
			7.0	1.7	11.9	85	25	6.3
			8.0	1.8	11.6	83	26	6.3
			9.0	1.9	10.9	79	27	6.2
			10.0	1.9	10.7	77	28	6.2
			11.0	2.0	10.5	75	29	6.2
			12.0	2.1	9.5	69	31	6.2
			13.0	2.1	9.2	67	35	6.1
			14.0	2.2	8.3	60	36	6.1
	15.0	2.4	7.4	54	39	6.0		
	17-Mar-06	1.2	1.0	0.1	16.8	115	29	6.4
			2.0	0.8	16.0	111	26	6.4
			3.0	1.2	14.5	102	25	6.4
			4.0	1.4	13.7	97	25	6.4
			5.0	1.6	12.9	92	26	6.4
			6.0	1.7	12.2	88	26	6.4
			7.0	1.8	11.9	85	27	6.4
			8.0	1.9	11.5	83	27	6.4
			9.0	2.0	11.0	79	30	6.3
10.0			2.0	10.3	75	31	6.3	
11.0	2.1	10.0	72	35	6.2			
12.0	2.2	9.5	69	38	6.2			
13.0	2.2	8.9	95	41	6.2			
14.0	2.3	8.2	59	43	6.2			
15.0	2.5	7.4	54	46	6.1			
16.0	2.8	6.0	43	47	6.1			
SNAP11A	12-Apr-06	1.3	1.5	0.4	15.0	104	28	6.4
			2.0	0.8	14.5	101	27	6.4
			3.1	1.3	13.4	96	25	6.4
			4.1	1.6	12.0	86	26	6.4
			5.0	1.8	11.4	82	26	6.4
			6.0	1.9	10.8	78	28	6.3
			7.0	2.0	10.3	75	29	6.3
			8.0	2.0	10.0	72	25	6.2
			9.0	2.0	9.7	70	41	6.2
			10.0	2.0	9.5	69	44	6.2
			11.0	2.1	9.4	68	46	6.2
			12.0	2.1	9.2	67	48	6.2
13.0	2.3	8.4	61	49	6.2			

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP11A (continued)	14-Jul-06	no ice	1.0	14.43	11.51	120	56	6.85
			2.0	14.40	11.54	121	56	6.86
			3.0	14.34	11.56	121	56	6.86
			4.0	14.24	11.55	121	56	6.87
			5.0	14.21	11.56	119	56	6.88
			6.0	14.20	11.56	119	56	6.88
			7.0	14.19	11.56	119	57	6.89
			8.0	14.18	11.55	119	57	6.90
			9.0	14.18	11.55	119	57	6.92
			10.1	14.17	11.54	119	57	6.92
			11.0	14.16	11.53	119	58	6.91
			12.0	14.16	11.54	119	58	6.94
			13.0	14.15	11.56	119	58	6.93
SNAP12	15-Jan-06	0.7	1.0	1.1	15.7	110	53	7.6
			2.0	1.4	14.6	104	48	7.5
			3.0	1.3	14.0	99	47	7.5
			4.0	1.5	13.2	94	45	7.5
			5.0	1.6	12.8	91	45	7.5
			6.0	1.7	12.0	86	56	7.4
			7.0	1.8	11.1	80	80	7.2
	18-Feb-06	0.9	1.0	0.3	16.6	115	55	6.7
			2.0	0.7	15.7	110	50	6.7
			3.0	1.1	14.3	101	48	6.6
			4.0	1.3	13.4	95	47	6.5
			5.0	1.5	12.3	88	47	6.5
			6.0	1.7	11.1	80	62	6.3
	16-Mar-06	1.1	1.0	0.1	17.6	121	30	6.7
			2.0	0.6	16.8	116	27	6.7
			3.0	1.1	15.8	110	28	6.7
			4.0	1.4	14.9	105	27	6.7
			5.0	1.6	13.0	93	27	6.7
			6.0	1.7	12.1	86	52	6.5
			7.0	1.9	11.3	81	68	6.5
	9-Apr-06	1.0	1.2	0.2	17.0	117	29	6.7
			2.0	0.7	16.1	113	27	6.7
			3.0	1.2	15.2	108	27	6.7
			4.0	1.4	14.0	100	27	6.7
			4.9	1.7	12.9	92	28	6.6
			5.9	1.8	12.0	88	52	6.5
			7.0	2.0	11.7	80	75	6.4

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP12 (continued)	13-Jul-06	no ice	1.0	14.29	11.47	120	70	6.83
			2.0	14.33	11.46	120	70	6.84
			3.0	14.35	11.47	120	70	6.84
			4.0	14.36	11.46	120	70	6.85
			5.0	14.36	11.46	120	70	6.86
			6.0	14.37	11.46	120	70	6.87
			7.0	14.37	11.46	120	70	6.88
	13-Sep-06	no ice	1.1	10.24	12.27	116	72	6.77
			2.1	10.41	11.87	112	73	6.82
			3.1	10.44	11.84	112	73	6.83
			4.0	10.46	11.81	112	72	6.85
			5.0	10.47	11.80	112	73	6.87
			6.0	10.47	11.78	112	72	6.88
			7.0	10.47	11.78	112	73	6.90
SNAP13	15-Jan-06	0.8	1.0	0.5	16.2	112	52	6.9
			2.0	0.8	14.9	104	48	6.9
			3.0	1.1	14.0	99	45	6.9
			4.0	1.2	13.4	95	44	6.9
			5.0	1.4	12.7	90	44	6.9
			6.0	1.6	11.4	81	52	6.6
			7.0	1.5	11.6	83	115	6.3
			8.0	1.5	12.1	86	161	6.2
			9.0	1.6	11.7	84	238	6.2
			10.0	1.6	11.5	82	256	6.2
			11.0	1.6	11.4	82	261	6.2
			12.0	1.7	11.2	80	261	6.2
			13.0	1.7	11.2	80	265	6.2
			14.0	1.7	11.2	80	265	6.2
			15.0	1.7	11.1	80	267	6.2
			16.0	1.7	11.1	80	267	6.2
			17.0	1.7	11.0	79	267	6.2
			18.0	1.8	10.9	79	267	6.2
			19.0	1.8	10.8	78	265	6.2
			20.0	1.8	10.8	77	264	6.2
	17-Feb-06	no data	1.2	0.3	17.6	121	51	6.8
			2.0	0.6	17.0	118	50	6.8
3.0			1.0	15.4	108	48	6.7	
4.0			1.3	14.5	103	46	6.7	
5.0			1.4	13.8	98	47	6.6	
6.0			1.6	12.8	91	70	6.6	
			7.1	1.7	11.9	85	119	6.4

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP13 (continued)	17-Feb-06 (continued)	no data	8.0	1.6	11.9	85	189	6.3
			9.0	1.6	12.2	87	264	6.2
			10.0	1.7	12.0	86	272	6.2
			11.0	1.8	11.6	83	271	6.2
			12.0	1.8	11.4	82	271	6.2
			13.0	1.9	11.2	81	272	6.2
			14.0	1.9	11.2	81	272	6.1
			15.0	1.9	11.0	80	272	6.1
			16.0	1.9	10.9	79	271	6.1
			17.0	1.9	10.8	78	272	6.1
			18.0	2.0	10.7	77	272	6.1
			19.0	2.0	10.6	77	270	6.1
			20.0	2.0	10.5	76	270	6.1
	21.0	2.0	10.2	74	269	6.1		
	16-Mar-06	no data	1.2	-0.1	17.1	117	2	6.7
			2.0	0.8	15.4	108	28	6.6
			3.0	1.1	15.3	107	28	6.6
			4.0	1.3	14.5	103	28	6.6
			5.1	1.5	13.8	98	28	6.6
			6.1	1.6	12.6	90	53	6.5
			7.0	1.6	12.0	86	89	6.4
7.1			1.6	11.9	85	128	6.4	
9.1			1.6	11.9	85	158	6.3	
10.0			1.7	11.5	83	161	6.4	
11.0			1.8	11.0	79	159	6.4	
12.0			1.9	10.7	77	160	6.4	
13.1			2.0	10.4	75	160	6.4	
14.2			2.0	10.2	74	160	6.4	
15.1	2.0	10.1	73	160	6.4			
16.0	2.1	9.8	71	160	6.4			
17.3	2.1	9.7	70	160	6.4			
18.0	2.1	9.6	70	161	6.4			
19.1	2.1	9.5	69	160	6.4			
20.0	2.1	9.4	68	160	6.4			
21.1	2.2	9.1	66	159	6.4			
9-Apr-06	1.2	1.3	0.6	17.1	119	30	6.3	
		2.1	0.9	16.3	115	28	6.4	
		3.1	1.3	15.3	108	27	6.4	
		4.0	1.6	13.8	99	26	6.4	
		5.0	1.7	12.1	87	28	6.4	
6.0	1.7	11.8	84	54	6.2			

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP13 (continued)	9-Apr-06 (continued)	1.2	7.1	1.8	11.0	79	87	6.2
			8.1	1.7	11.5	82	133	6.2
			9.1	1.8	11.1	80	157	6.2
			10.0	1.9	10.5	76	158	6.3
			11.1	1.9	10.3	74	162	6.3
			12.0	2.0	9.8	71	160	6.3
			13.0	2.1	9.7	70	161	6.3
			14.0	2.1	9.6	70	161	6.3
			15.1	2.1	9.5	69	162	6.3
			16.1	2.1	9.5	69	163	6.3
			17.0	2.1	9.4	69	164	6.3
			18.0	2.1	9.5	69	165	6.4
			19.0	2.1	9.4	69	165	6.4
SNAP14	15-Jan-06	0.9	1.0	0.4	15.2	105	50	6.7
			2.0	0.8	14.5	102	46	6.7
			3.0	1.0	14.0	98	45	6.7
			4.0	1.3	12.9	92	44	6.8
			5.0	1.4	12.6	89	46	6.6
			6.0	1.5	12.0	89	54	6.5
			7.0	1.6	11.7	84	98	6.3
			8.0	1.5	11.8	84	177	6.2
			9.0	1.6	11.7	83	231	6.1
			10.0	1.8	11.0	79	232	6.1
			11.0	2.1	10.5	76	226	6.1
			12.0	2.3	10.0	72	244	6.1
	18-Feb-06	1.0	1.1	0.3	15.7	108	52	6.5
			2.0	0.8	14.7	103	49	6.5
			3.0	1.1	14.2	99	46	6.5
			4.0	1.3	13.7	97	45	6.5
			5.0	1.5	13.0	93	46	6.4
			6.0	1.5	11.7	83	59	6.2
			7.0	1.5	11.8	84	129	6.0
			8.0	1.6	11.8	84	164	5.9
			9.0	1.6	11.2	81	266	5.8
			10.0	1.7	10.7	77	266	5.9
			11.0	1.9	10.2	74	262	5.9
12.0	2.3	9.9	73	258	5.9			

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP14 (continued)	16-Mar-06	1.2	1.1	0.1	16.8	115	29	6.6
			2.0	0.6	16.4	114	28	6.5
			3.0	1.0	15.8	110	27	6.5
			4.0	1.3	15.1	107	26	6.5
			5.1	1.5	13.7	97	28	6.5
			6.0	1.6	12.8	91	46	6.4
			7.1	1.6	12.3	88	83	6.3
			8.1	1.6	12.2	87	121	6.3
			9.1	1.7	11.9	85	156	6.3
			10.1	1.8	11.2	80	157	6.3
			11.0	2.0	10.4	75	156	6.4
			12.0	2.3	10.0	73	155	6.4
			13.0	2.6	8.6	65	155	6.4
	10-Apr-06	1.2	1.3	0.7	15.8	111	28	6.3
			2.0	0.9	15.4	108	28	6.3
			3.0	1.3	14.8	105	27	6.3
			4.0	1.5	14.1	101	27	6.3
			5.0	1.7	12.3	89	29	6.2
			6.0	1.7	11.7	83	56	6.1
			7.0	1.7	11.2	81	90	6.1
			8.0	1.8	11.0	79	126	6.0
			9.0	1.9	10.8	78	157	6.0
			10.0	2.0	9.9	72	158	6.1
			11.1	2.2	9.2	67	157	6.1
			12.0	2.4	8.6	63	158	6.1
			13.1	2.7	8.0	59	158	6.1
	13-Jul-06	no ice	1.0	14.48	11.41	118	71	6.54
			2.0	14.45	14.43	150	71	6.54
			3.0	14.43	11.44	120	71	6.56
			4.0	14.42	11.44	120	71	6.56
			5.0	14.41	11.45	120	71	6.58
			6.0	14.40	11.45	120	71	6.60
			7.0	14.40	11.45	120	71	6.63
			8.0	14.39	11.46	120	71	6.68
			9.0	14.38	11.44	120	71	6.67
			10.0	14.38	11.45	120	71	6.71
			11.0	14.37	11.45	120	71	6.73
			12.0	14.36	11.45	120	71	6.77
			13.0	14.35	11.44	120	71	6.78

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP14 (continued)	13-Sep-06	no ice	1.0	10.32	11.99	109	71	6.94
			2.0	10.38	11.89	112	71	6.97
			3.0	10.40	11.86	112	71	6.98
			4.1	10.41	11.83	112	71	6.98
			5.0	10.41	11.82	112	71	6.99
			6.0	10.42	11.80	112	71	7.00
			7.0	10.42	11.79	112	71	6.99
			8.0	10.43	11.87	112	71	7.00
			9.1	10.43	11.79	112	73	7.01
			10.0	10.43	11.78	111	71	7.01
			11.1	10.43	11.76	111	71	7.03
			12.1	10.43	11.74	111	71	7.02
			13.1	10.43	11.75	111	71	7.02
SNAP15	9-Apr-06	1.3	1.5	0.5	16.9	117	29	6.5
			2.0	0.7	16.3	114	28	6.6
			3.0	1.3	15.3	109	27	6.6
			4.0	1.4	14.6	104	27	6.5
			5.0	1.6	12.8	92	32	6.5
			6.1	1.7	11.6	83	60	6.4
			7.0	1.7	11.5	82	98	6.3
			8.0	1.7	11.5	83	133	6.3
			9.0	1.8	11.0	80	155	6.3
			10.0	1.9	10.4	75	158	6.3
SNAP17	13-Apr-06	1.2	1.5	0.5	15.3	107	28	5.9
			2.0	0.9	14.9	105	26	6.0
			3.0	1.3	14.0	99	25	6.0
			4.1	1.6	13.1	94	26	6.0
			5.0	1.7	12.2	88	26	6.0
			6.0	1.9	11.6	84	27	6.0
			7.0	2.0	10.9	79	29	6.0
			8.0	2.1	10.5	76	29	6.0
			9.1	2.1	9.4	68	37	6.0
SNAP18	12-Apr-06	1.2	1.3	0.5	15.7	109	29	6.3
			2.0	0.8	15.2	106	28	6.3
			3.0	1.2	14.3	102	27	6.3
			4.0	1.6	13.2	95	26	6.3
			5.0	1.8	11.9	86	27	6.3
			6.0	1.9	10.5	76	28	6.2
			7.0	2.0	10.2	74	29	6.2
			8.0	2.1	9.7	70	34	6.2
			9.0	2.1	9.0	65	36	6.1

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP18 (continued)	12-Apr-06 (continued)	1.2	10.0	2.2	8.7	63	40	6.1
			11.0	2.2	8.5	62	41	6.1
SNAP19	13-Apr-06	1.3	1.5	0.4	15.5	108	28	6.3
			2.0	0.9	15.0	105	26	6.3
			3.0	1.4	13.9	99	25	6.3
			4.0	1.6	12.6	90	25	6.3
			5.0	1.7	12.3	88	26	6.3
			6.0	1.9	11.6	84	27	6.3
			7.0	2.0	11.1	80	27	6.2
			8.0	2.1	10.6	77	29	6.2
			9.0	2.2	9.7	71	31	6.2
			10.0	2.3	8.9	65	33	6.2
			11.0	2.4	8.1	59	33	6.2
SNAP20	13-Apr-06	1.3	1.5	0.8	15.0	105	13	6.3
			2.0	1.1	14.3	101	12	6.3
			3.0	1.8	12.9	93	11	6.3
			4.0	2.0	12.0	87	11	6.3
			5.0	2.0	11.4	83	11	6.3
			6.0	2.1	11.2	81	11	6.3
			7.0	2.1	11.1	81	11	6.3
			8.0	2.1	11.1	81	11	6.3
			9.0	2.1	11.1	81	11	6.3
			10.0	2.1	11.1	81	11	6.3
			11.0	2.1	11.1	80	11	6.3
			12.0	2.1	11.1	80	11	6.2
	18-Jul-06	no ice	1.0	15.39	9.99	106	15	6.63
			2.0	15.36	9.93	105	15	6.66
			3.0	15.35	9.92	105	15	6.67
			4.0	15.32	9.98	105	15	6.64
			5.0	15.32	9.93	105	15	6.67
			6.0	15.30	9.93	105	15	6.67
			7.0	15.29	9.93	105	15	6.68
			8.0	14.73	10.02	104	14	6.74
			9.0	11.42	10.80	105	13	6.73
			10.0	8.45	11.51	112	12	6.55
			11.0	6.75	11.65	113	11	6.51
12.0	6.30	11.53	112	11	6.43			
14-Sep-06	no ice	1.0	9.74	10.43	97	14	6.50	
		2.0	9.76	10.35	97	14	6.46	
		3.1	9.77	10.34	96	14	6.47	
		4.0	9.75	10.33	96	14	6.43	

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP20 (continued)	14-Sep-06 (continued)	no ice	5.0	9.73	10.35	96	14	6.45
			6.0	9.73	10.34	96	14	6.48
			7.0	9.70	10.36	96	14	6.46
			8.0	9.69	10.36	96	14	6.49
			9.0	9.62	10.37	96	14	6.48
			10.0	9.61	10.38	96	14	6.53
			11.1	9.58	10.38	96	14	6.53
			12.0	9.56	10.38	96	14	6.54
			13.0	9.45	10.41	96	14	6.52
SNAP23	16-Apr-06	1.2	1.5	1.1	16.0	113	19	6.7
			2.1	1.4	15.9	112	19	6.7
			3.0	2.1	14.6	106	17	6.7
			4.0	2.9	13.3	99	18	6.7
			5.0	3.3	10.8	82	18	6.6
			6.0	3.7	7.2	56	18	6.6
			7.0	4.0	4.5	36	20	6.5
			8.1	4.2	3.0	24	24	6.4
			9.0	4.3	1.5	12	25	6.4
			10.0	4.3	0.8	6	29	6.4
			11.0	4.4	0.3	3	38	6.5
			12.0	4.6	0.2	2	56	6.6
SNP 02-20a	13-Jan-06	0.8	1.0	0.2	17.8	122	57	7.6
			2.0	0.6	16.2	113	51	7.4
			3.0	0.9	15.3	107	47	7.4
	17-Feb-06	1.0	1.0	0.1	18.9	130	63	6.6
			2.0	0.6	18.4	128	55	6.6
			3.0	1.0	17.2	120	56	6.6
			3.7	1.3	15.3	108	156	6.2
	16-Mar-06	1.1	1.0	-0.3	16.0	109	4	6.8
			2.0	0.0	14.4	98	3	6.6
			3.0	0.5	12.6	87	3	6.5
			4.0	1.1	11.2	78	4	6.3
	7-Apr-06	1.2	1.2	2.2	15.8	115	33	6.6
			2.0	1.3	16.3	116	32	6.6
			3.0	1.6	15.4	110	31	6.5
			3.4	1.7	13.7	98	96	6.4
3.7			1.7	13.4	96	115	6.3	
SNP02-20b	14-Jan-06	0.9	1.0	0.9	16.8	118	56	6.9
			2.0	1.0	16.1	113	51	6.8
			3.0	1.2	15.3	108	51	6.8
			4.0	1.6	13.7	98	320	6.3

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNP 02-20b (continued)	17-Feb-06	1.1	1.0	0.1	18.9	130	48	6.5	
			2.0	0.6	18.7	129	44	6.5	
			3.0	0.9	17.2	120	55	6.5	
			4.0	1.4	15.4	106	349	6.1	
			5.0	1.5	12.4	88	440	6.1	
			5.4	1.7	11.6	82	438	6.1	
	16-Mar-06	1.3	1.1	0.9	18.7	131	36	6.4	
			2.0	1.0	18.2	128	31	6.4	
			3.0	1.3	17.1	121	33	6.3	
			4.1	1.7	14.8	104	200	6.1	
			5.1	1.8	13.1	94	246	6.2	
	7-Apr-06	1.0	1.3	0.4	17.1	118	32	6.7	
			2.0	0.7	16.5	115	30	6.7	
			3.0	1.1	16.0	113	33	6.6	
			4.1	1.6	14.4	106	209	6.3	
			5.1	1.9	11.9	87	265	6.4	
	SNP 02-20c	13-Jan-06	0.7	1.0	0.3	17.6	122	60	7.9
				1.7	0.5	16.6	115	63	7.6
17-Feb-06		0.8	0.2	0.8	17.9	125	66	7.0	
			0.4	0.3	18.6	128	64	6.6	
			0.6	0.2	18.8	129	64	6.6	
			0.8	0.2	18.8	130	64	6.5	
			1.0	0.2	18.8	129	64	6.5	
			1.2	0.3	18.7	129	64	6.5	
			1.4	0.3	18.2	126	64	6.4	
			1.6	0.4	17.9	124	65	6.4	
			1.8	0.5	16.7	116	68	6.4	
			2.0	0.6	16.2	112	75	6.3	
14-Mar-06		1.0	1.0	0.3	18.9	131	34	6.9	
			1.5	0.3	18.8	130	34	6.8	
7-Apr-06		1.0	1.0	0.3	17.4	120	34	6.4	
			1.3	0.4	17.4	120	34	6.4	
			1.5	0.4	17.1	119	35	6.4	
			1.8	0.5	16.3	113	35	6.4	
SNP 02-20d		12-Jul-06	no ice	1.0	14.92	9.77	103	72	6.52
	2.0			14.95	9.27	98	72	6.62	
	3.0			14.93	9.91	104	72	6.74	
	4.0			14.94	9.62	101	72	6.77	
	5.0			14.93	9.79	103	72	6.77	
	6.0			14.95	-	-	72	6.79	
	7.0			14.93	-	-	72	6.81	

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20d (continued)	12-Jul-06 (continued)	no ice	8.0	14.93	-	-	72	6.83
			9.0	14.83	-	-	73	6.83
			10.0	14.79	-	-	95	6.79
			11.0	14.76	-	-	110	6.79
	19-Jul-06	no ice	1.0	15.72	9.77	104	72	7.02
			2.1	15.53	9.79	104	70	7.05
			3.1	15.31	9.80	104	71	7.04
			4.0	15.28	9.79	103	72	7.04
			5.1	15.27	9.80	104	73	7.05
			6.0	15.26	9.79	103	72	7.06
			7.0	15.23	9.79	103	72	7.07
			8.0	15.20	9.79	103	71	7.07
			9.0	15.17	9.75	103	71	7.09
			10.0	15.15	9.78	103	74	7.07
			11.0	14.98	9.68	102	102	7.02
			12.1	14.80	9.32	98	101	7.01
	13-Aug-06	no ice	0.0	16.14	9.54	103	74	6.40
			1.0	16.14	9.53	103	74	6.44
			2.0	16.13	9.53	103	74	6.46
			3.0	16.13	9.53	103	74	6.47
			4.0	16.13	9.52	102	74	6.50
			5.0	16.12	9.53	103	74	6.55
			6.0	16.12	9.53	103	74	6.56
			7.0	16.10	9.53	102	75	6.59
			8.0	16.09	9.54	102	75	6.62
			9.0	15.96	9.55	102	74	6.64
			10.0	15.68	9.44	101	100	6.64
			11.0	15.49	9.43	100	138	6.61
	12.0	15.43	9.20	98	139	6.62		
	20-Sep-06	no ice	0.0	9.13	11.96	110	71	6.34
			1.1	9.11	11.72	108	72	6.39
			2.0	9.10	11.67	107	72	6.42
			3.1	9.08	11.65	107	72	6.45
			4.0	9.07	11.65	107	72	6.46
			5.0	9.06	11.64	107	72	6.48
			6.1	9.05	11.64	107	72	6.50
			7.0	9.05	11.64	107	72	6.50
			8.0	9.04	11.63	106	73	6.52
			9.0	9.04	11.63	106	73	6.55
			10.1	9.04	11.63	106	72	6.56
11.0			9.05	11.62	106	76	6.55	

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20e	11-Jul-06	no ice	1.0	15.37	9.86	104	69	6.58
			2	15.34	9.8	104	69	6.64
			3	15.29	9.81	104	68	6.69
			4	15.17	9.66	102	68	6.72
			5	15.12	9.73	103	67	6.76
			6	14.94	9.73	102	68	6.8
			7	14.79	9.8	102	69	6.82
			8	14.67	10.23	106	71	6.84
			9	14.52	9.72	102	72	6.87
			10	14.45	9.88	103	79	6.88
			11	14.45	10.05	104	108	6.86
			12	14.37	10.11	106	109	6.96
			13	14.31	10.01	103	103	6.93
			14	14.27	9.9	102	105	6.95
			15	14.24	10.17	105	112	6.95
			16	12.21	9.82	101	97	6.9
			17	6.25	10.3	88	145	6.68
			18	4.6	10.31	85	155	6.59
			19	3.99	10.15	82	164	6.55
			20	3.66	10.14	81	169	6.52
			21	3.52	10.02	80	162	6.47
			22	3.43	9.87	78	174	6.46
			23	3.36	9.84	78	175	6.44
			24	3.32	9.31	74	176	6.42
			25	3.3	9.55	76	176	6.4
	20-Jul-06	no ice	1.0	15.57	9.78	104	70	6.24
			2.0	15.38	9.81	104	70	6.38
			3.0	15.34	9.80	104	70	6.46
			4.0	15.30	9.79	103	69	6.48
			5.0	15.29	9.82	104	69	6.51
			6.0	15.24	9.81	104	68	6.57
			7.0	15.23	9.80	104	70	6.59
			8.0	15.21	9.80	104	70	6.61
			9.0	15.16	9.76	103	78	6.62
			10.0	15.16	9.75	103	80	6.67
			11.0	15.07	9.72	102	106	6.61
			12.0	14.93	9.71	102	102	6.66
			13.0	14.89	9.67	101	110	6.68
			14.0	14.71	9.64	101	100	6.72
			15.0	14.38	9.65	100	92	6.75
16.0	14.06	9.58	99	91	6.75			

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20e (continued)	20-Jul-06 (continued)	no ice	17.0	10.04	9.45	89	122	6.61
			18.0	6.50	9.53	82	153	6.47
			19.0	4.75	9.45	78	163	6.43
			20.0	4.15	9.40	76	166	6.41
			21.0	3.81	9.31	75	169	6.38
			22.0	3.60	8.60	69	171	6.34
			23.0	3.50	8.66	69	173	6.33
			24.0	3.40	8.25	66	175	6.31
			25.0	3.35	7.93	63	175	6.30
			26.0	3.32	7.61	60	175	6.28
			27.0	3.29	7.18	57	176	6.26
	13-Aug-06	no ice	0.0	16.48	9.88	107	76	6.95
			1.0	16.36	9.57	104	76	7.01
			2.0	16.33	9.57	88	76	7.04
			3.0	16.33	9.57	88	76	7.05
			4.0	16.31	9.56	88	76	7.06
			5.0	16.30	9.56	88	76	7.06
			6.0	16.16	9.55	103	76	7.10
			7.0	16.01	9.56	103	80	7.10
			8.0	15.89	9.54	102	75	7.13
			9.0	15.87	9.53	102	75	7.13
			10.0	15.86	9.54	102	76	7.14
			11.0	15.60	9.49	102	109	7.09
			12.0	15.54	9.43	101	134	7.05
			13.0	15.46	9.41	100	132	7.05
			14.0	15.28	9.36	99	122	7.08
			15.0	15.01	9.27	98	105	7.10
			16.0	14.68	9.04	95	93	7.09
			17.0	14.52	8.68	90	89	7.05
			18.0	12.52	8.35	83	87	6.92
			19.0	8.31	7.64	65	152	6.70
			20.0	6.34	7.28	62	165	6.61
			21.0	4.87	7.07	58	171	6.56
22.0			4.14	7.00	57	174	6.50	
23.0	3.90	6.91	56	174	6.48			
24.0	3.75	6.80	55	174	6.46			
25.0	3.73	6.75	54	174	6.44			
19-Sep-06	no ice	0.0	9.46	11.44	106	72	6.09	
		1.0	9.19	11.48	106	71	6.22	
		2.0	9.13	11.48	105	71	6.25	
		3.1	9.10	11.48	105	71	6.30	

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20e (continued)	19-Sep-06 (continued)	no ice	4.1	9.06	11.48	105	71	6.35
			5.0	9.05	11.46	105	71	6.37
			6.0	9.01	11.46	105	70	6.40
			7.0	8.98	11.64	107	70	6.45
			7.9	8.97	11.53	106	70	6.47
			9.1	8.97	11.50	105	71	6.52
			10.1	8.98	11.46	105	73	6.54
			11.0	8.98	11.43	105	75	6.56
			12.1	9.03	11.39	115	83	6.54
			13.0	9.03	11.34	114	83	6.57
			14.0	9.01	11.32	114	82	6.59
			14.9	8.99	11.32	114	82	6.60
			16.1	8.97	11.36	114	80	6.62
			17.2	8.95	11.31	114	78	6.64
			17.9	8.89	11.29	114	72	6.66
			19.0	8.87	11.30	114	71	6.67
			20.1	8.85	11.29	114	71	6.68
			21.1	8.85	11.28	114	71	6.69
			22.0	8.86	11.27	114	74	6.69
			23.1	8.87	11.24	113	75	6.70
24.0	8.88	11.23	113	78	6.69			
25.0	8.89	11.25	113	80	6.70			
26.1	8.89	11.17	113	81	6.71			
27.0	8.90	11.06	111	86	6.70			
28.0	8.89	11.00	111	86	6.71			
SNAP02-20f	12-Jul-06	no ice	1.0	14.85	-	-	74	6.83
			2.0	14.93	-	-	74	6.89
			3.0	14.95	-	-	74	6.90
			4.0	14.96	-	-	74	6.92
			5.0	14.97	-	-	74	6.92
			6.0	14.97	-	-	74	6.94
			7.0	14.97	-	-	74	6.95
			8.0	14.98	-	-	75	6.95
			9.0	14.98	-	-	75	6.17
			10.0	14.94	-	-	85	6.96
			11.0	14.77	-	-	112	6.92
			12.0	14.58	-	-	118	6.93
			13.0	14.41	-	-	122	6.94

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20f (continued)	19-Jul-06	no ice	1.0	15.92	9.72	104	72	6.98
			2.0	15.52	9.76	104	71	6.98
			3.0	15.46	9.76	104	70	6.99
			4.1	15.40	9.78	104	70	7.00
			5.0	15.35	9.75	103	71	7.00
			6.0	15.28	9.75	103	71	7.02
			7.0	15.25	9.77	103	72	7.01
			8.0	15.19	9.77	103	71	7.04
			9.1	15.16	9.75	103	73	7.03
			10.1	15.11	9.71	102	79	7.04
			11.1	15.05	9.69	102	87	7.02
			12.1	14.94	9.64	101	120	6.96
			13.1	14.78	9.63	101	112	7.00
			14.0	14.53	6.54	68	105	7.00
	13-Aug-06	no ice	0.0	16.05	9.84	106	75	6.96
			1.0	16.14	9.57	103	75	7.01
			2.0	16.19	9.57	103	75	7.04
			3.0	16.20	9.56	103	75	7.09
			4.0	16.23	9.55	103	75	7.11
			5.0	16.25	9.55	103	75	7.14
			6.0	16.20	9.56	103	75	7.15
			7.0	16.06	9.55	102	73	7.16
			8.0	15.93	9.56	103	78	7.15
			9.0	15.86	9.54	102	84	7.15
			10.0	15.81	9.52	102	115	7.10
			11.0	15.57	9.43	100	147	7.08
			12.0	15.52	9.42	100	144	7.08
13.0	15.40	9.38	99	136	7.09			
	19-Sep-06	no ice	0.0	9.35	11.52	106	71	6.79
			1.0	9.28	11.50	106	71	6.82
			2.0	9.25	11.47	106	71	6.85
			3.0	9.16	11.47	105	72	6.87
			3.9	9.16	11.48	106	72	6.88
			5.1	9.11	11.48	106	73	6.89
			6.1	9.08	11.48	106	72	6.92
			7.1	9.07	11.47	105	72	6.92
			8.1	9.06	11.45	105	72	6.93
			9.1	9.04	11.51	105	72	6.94
			10.0	9.03	11.45	105	73	6.96
			11.0	9.03	11.41	104	73	6.97
12.0	9.08	11.34	104	88	6.92			

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20f (continued)	19-Sep-06 (continued)	no ice	13.0	9.05	11.31	104	93	6.93
			14.0	9.01	11.35	114	91	6.96
SNAP25	19-Jul-06	no ice	1.0	15.59	9.72	104	71	6.74
			2.0	15.60	9.69	103	71	6.82
			3.0	15.57	9.72	103	71	6.86
	18-Sep-06	no ice	0.5	8.83	14.10	128	65	6.56
			1.0	8.87	13.82	126	66	6.59
			1.5	8.88	13.74	126	65	6.61
			2.0	8.89	13.72	126	67	6.65
			2.5	8.89	13.68	125	66	6.66
SNAP26	19-Jul-06	no ice	1.0	15.77	9.71	104	70	6.91
			2.0	15.63	9.75	104	71	6.94
			3.1	15.60	9.75	104	71	6.95
			4.0	15.57	9.72	103	71	6.97
			5.0	15.41	9.72	103	74	6.98
	18-Sep-06	no ice	0.5	8.80	13.98	141	66	6.34
			1.0	8.81	13.81	139	66	6.39
			1.5	8.84	13.67	138	66	6.45
			2.0	8.84	13.64	137	66	6.49
			2.5	8.83	13.63	137	66	6.50
			3.0	8.81	13.60	137	66	6.51
			3.5	8.78	13.61	137	66	6.52
			4.0	8.70	13.62	124	66	6.54
			4.5	8.56	13.63	124	65	6.57
5.0	8.41	13.72	124	65	6.57			
SNAP27	19-Jul-06	no ice	0.3	15.60	9.74	104	72	6.95
			0.5	15.65	9.71	103	71	6.98
			0.8	15.61	9.71	103	72	6.99
			1.0	15.61	9.71	103	72	6.99
			1.2	15.60	9.69	103	72	7.00
	18-Sep-06	no ice	0.3	8.75	13.63	124	66	6.13
			0.5	8.79	13.53	123	66	6.24
			0.7	8.79	13.52	123	66	6.30
			1.0	8.79	13.52	123	66	6.27
			1.3	8.74	13.50	123	66	6.32
			1.5	8.68	13.49	123	66	6.33
			1.7	8.48	13.39	122	66	6.37

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP28	13-Jul-06	no ice	1.0	14.32	11.41	118	77	6.78	
			2.0	14.37	11.43	118	73	6.82	
			3.0	14.40	11.45	118	75	6.85	
			4.0	14.39	11.45	118	75	6.85	
			5.0	14.41	11.46	119	75	6.88	
			6.0	14.42	11.47	119	75	6.89	
			7.0	14.43	11.48	119	74	6.91	
	19-Jul-06	no ice	1.0	15.46	9.79	104	70	6.98	
			2.0	15.41	9.74	103	70	6.99	
			3.0	15.38	9.74	103	70	6.99	
			4.0	15.37	9.74	103	70	6.99	
			5.0	15.34	9.74	103	70	7.02	
			6.0	15.29	9.74	103	70	7.00	
	13-Sep-06	no ice	0.5	10.20	12.36	116	71	7.04	
			1.1	10.31	12.03	114	72	7.06	
			1.5	0.35	11.95	113	72	7.07	
			2.1	10.36	11.92	113	72	7.06	
			2.6	10.37	11.90	113	71	7.07	
			3.1	10.38	11.88	112	71	7.07	
			3.5	10.39	11.87	112	71	7.07	
			4.1	10.40	11.87	112	71	7.07	
			4.5	10.38	11.85	112	71	7.08	
			5.0	10.39	12.01	114	71	7.09	
	SNAP29	18-Jul-06	no ice	1.0	15.84	9.82	105	17	6.47
				2.0	15.79	9.86	105	17	6.47
				3.0	15.75	9.86	105	17	6.52
				4.0	15.74	9.86	105	17	6.55
5.0				15.72	9.87	105	17	6.58	
6.0				15.72	9.85	105	17	6.61	
7.0				15.71	9.85	105	17	6.61	
8.0				15.70	9.85	105	17	6.61	
9.0				15.68	9.84	105	17	6.64	
10.0				15.63	9.83	105	17	6.65	
19-Jul-06		no ice	1.0	16.10	9.69	104	36	7.15	
			2.0	16.01	9.69	104	36	7.15	
			3.0	15.97	9.70	104	36	7.15	
			4.0	15.93	6.68	72	36	7.14	
			5.0	15.87	9.70	104	34	7.16	
			6.0	15.84	9.70	104	37	7.14	

**Table II-5 Snap Lake Profile Data, 2006 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP29 (continued)	14-Sep-06	no ice	1.0	8.87	10.99	101	30	6.78
			2.0	8.91	10.85	99	30	6.75
			3.0	8.93	10.83	99	30	6.77
			4.0	8.96	10.80	99	30	6.81
			5.0	8.98	10.79	99	30	6.80

Notes:

m = metres.

- = data not available.

°C = degrees Celsius.

mg/L = milligrams per litre.

µS/cm = microSiemens per centimetre.

Shading indicates questionable value.

**Table II-6 Snap Lake Profile Data, 2007**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP02A	01-Mar-07	1.32	0.0	0.1	17.4	119.6	46	6.9
			1.0	0.2	18.0	123.6	49	6.8
			2.0	1.2	16.8	118.3	40	6.7
			3.0	2.4	14.7	107.3	35	6.7
			4.0	2.9	12.6	92.3	32	6.6
			5.0	3.3	10.1	75	34	6.5
			6.0	3.6	8.5	63.9	36	6.4
			7.0	3.7	8.6	64.9	39	6.4
			8.0	3.8	7.9	59.5	40	6.3
			9.0	3.8	7.2	54.1	41	6.3
	10.0	3.8	6.8	51.5	44	6.2		
	18-Mar-07	1.4	0.0	0.7	16.4	115	45	6.1
			1.0	0.6	16.6	115.7	43	6.1
			2.0	1.4	15.1	108.7	38	6.1
			3.0	2.4	14.1	102.9	33	6.1
			4.0	3.0	13.0	95.7	31	6.0
			5.0	3.3	10.2	76.1	31	6.0
			6.0	3.7	8.8	60.7	33	5.7
			7.0	3.8	7.7	58.6	36	5.7
			8.0	3.9	6.7	50.8	37	5.7
			9.0	3.9	6.4	48.1	38	5.7
	10.0	3.9	6.1	47.3	41	5.7		
	25-Apr-07	1.7	0.0	0.6	14.5	101.1	45	6.5
			1.0	0.6	14.5	101.9	45	6.5
			2.0	1.9	14.1	101.4	40	6.5
			3.0	2.8	13.3	97.9	36	6.5
			4.0	3.4	12.2	91.4	35	6.5
			5.0	3.9	8.0	60.6	36	6.4
			6.0	4.1	7.3	56.4	39	6.4
			7.0	4.0	7.9	60	41	6.4
			8.0	4.0	7.6	57.5	43	6.4
			9.0	4.0	7.4	56.1	43	6.4
	24-Jul-07	-	0.0	18.3	9.1	96.3	25	6.1
			1.0	17.9	9.1	95.4	25	5.9
			2.0	17.5	9.0	94.5	24	5.9
			3.0	17.5	9.0	94.3	24	5.9
			4.0	17.3	9.0	93.9	24	6.0
			5.0	17.3	9.0	93.7	24	6.0
			6.0	17.3	9.0	93.8	24	6.0
			7.0	17.2	9.0	93.5	24	6.0
			8.0	17.2	9.0	93.6	24	6.0
			9.0	17.1	9.0	93.1	24	6.0
10.0	13.8	9.4	91	23	6.1			
16-Sep-07	-	0.0	4.7	13.3	103.3	29	6.7	
		1.0	4.7	13.2	102.7	29	6.7	
		2.0	4.8	13.2	102.6	29	6.7	
		3.0	4.8	13.2	102.6	29	6.6	
		4.0	4.7	13.2	102.6	29	6.6	
		5.0	4.8	13.2	102.6	29	6.6	
		6.0	4.8	13.2	102.7	29	6.6	
		7.0	4.8	13.2	102.6	29	6.7	
		8.0	4.8	13.2	102.5	29	6.6	
		9.0	4.8	13.2	102.6	29	6.6	
10.0	4.8	13.1	102	29	6.6			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP03	24-Feb-07	1	0.0	0.8	15.2	106.3	138	6.7
			1.0	0.8	15.2	106.3	129	6.7
			2.0	1.7	14.3	102.8	119	6.7
			3.0	2.0	13.8	99.7	117	6.7
			4.0	2.2	13.2	96.1	118	6.7
			5.0	2.3	11.8	85.7	137	6.7
		1	6.0	2.2	11.0	80.3	244	6.5
			7.0	2.2	10.7	77.2	279	6.5
			8.0	2.3	10.8	78.8	293	6.5
			9.0	2.6	10.5	76.6	292	6.5
			10.0	2.8	9.8	72.2	291	6.5
			11.0	3.1	8.8	62.5	290	6.5
	19-Mar-07	1.4	0.0	0.1	16.6	113.8	136	6.5
			1.0	0.3	16.4	113.3	132	6.5
			2.0	1.3	15.1	106.4	118	6.5
			3.0	1.9	13.9	100.4	114	6.5
			4.0	2.1	13.2	94.9	114	6.5
			5.0	2.2	12.0	87.6	138	6.5
			6.0	2.1	11.1	80.1	239	6.4
			7.0	2.1	10.8	78.4	266	6.4
			8.0	2.3	10.6	77.5	278	6.4
			9.0	2.5	10.4	76	279	6.4
			10.0	2.8	8.8	64.4	278	6.4
			11.0	3.1	7.8	57.6	276	6.4
	13-Apr-07	1.31	0.0	0.2	13.5	93	130	6.3
			1.0	0.6	13.4	93.4	127	6.3
			2.0	1.7	12.8	91.2	117	6.2
			3.0	2.0	12.3	88.1	115	6.2
			4.0	2.2	11.4	81.8	130	6.2
			5.0	2.1	10.8	78.4	191	6.1
			6.0	2.1	10.5	75.8	255	6.1
			7.1	2.1	10.8	78.8	280	6.2
			8.0	2.3	10.7	78.1	281	6.2
			9.0	2.6	9.1	66.7	280	6.2
			10.0	2.9	7.7	56.6	278	6.2
			11.0	3.2	6.5	48.2	276	6.2
	23-Jul-07	-	0.0	16.5	10.0	101.9	123	6.8
			1.0	16.5	10.0	102.4	123	6.7
			2.0	16.5	10.0	102.4	123	6.6
			3.0	16.5	10.0	102.4	124	6.6
			4.0	16.5	10.0	102.3	124	6.7
			5.0	16.5	10.0	102.3	123	6.7
			6.0	16.5	10.0	102.3	123	6.6
			7.0	16.4	10.0	102.2	124	6.6
8.1			16.3	10.0	102.4	124	6.6	
9.1			11.3	12.9	117.5	130	6.6	
10.0			8.4	14.2	120.9	135	6.5	
11.0			7.8	13.8	115.9	136	6.4	

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP03 (continued)	22-Sep-07	-	0.0	4.3	13.6	104.4	156	7.1
		-	1.0	4.3	13.6	104.4	156	7.1
		-	2.0	4.3	13.6	104.3	156	7.1
		-	3.0	4.2	13.6	104.3	157	7.1
		-	4.0	4.2	13.6	104.2	157	7.1
		-	5.0	4.2	13.6	104.4	157	7.1
		-	6.0	4.2	13.6	104.2	157	7.1
		-	7.0	4.2	13.6	104	157	7.1
		-	8.0	4.2	13.5	103.8	153	7.1
		-	9.0	4.2	13.5	103.7	157	7.1
		-	10.0	4.2	13.5	103.8	157	7.1
-	11.0	4.2	13.5	103.8	157	7.1		
-	12.0	4.2	13.5	103.7	157	7.1		
SNAP04	27-Feb-07	1.3	0.0	1.4	14.3	101.6	145	5.1
			1.0	0.9	14.7	102.8	143	5.2
			2.0	1.8	14.1	101	130	5.2
			3.0	2.6	13.3	97.8	124	5.3
			4.0	3.2	12.9	96.7	121	5.4
	19-Mar-07	1.29	0.0	0.4	15.2	105.2	152	6.4
			1.0	0.4	15.7	109.4	140	6.5
			2.0	1.4	15.3	108.7	128	6.5
			3.0	2.6	14.2	104	119	6.5
			4.0	3.2	12.9	96.4	117	6.5
	23-Apr-07	no data	0.0	0.3	15.6	106.7	140	6.5
			1.0	0.3	14.1	97.2	139	6.4
			2.0	1.3	13.6	96.6	132	6.4
			3.0	2.7	12.8	93.4	125	6.5
			4.0	3.3	11.9	87.9	123	6.5
	22-Jul-07	-	0.0	17.3	9.4	98	109	6.7
			1.0	17.3	9.5	98.8	109	6.7
			2.0	17.3	9.5	98.9	109	6.6
			3.0	17.3	9.5	98.9	109	6.5
			4.0	17.3	9.5	98.7	109	6.5
22-Sep-07	-	0.0	2.9	14.3	106.2	131	7.0	
		1.0	2.9	14.3	105.8	131	7.0	
		2.0	2.9	14.3	105.7	131	7.0	
		3.0	2.9	14.2	105.4	131	7.0	
		4.0	2.9	14.2	105.4	131	7.0	
SNAP05	24-Feb-07	1.15	0.0	0.2	15.1	103.5	135	6.7
			1.0	0.2	15.5	106.8	134	6.7
			2.0	1.5	14.3	101.8	111	6.8
			3.0	2.0	13.8	99.9	118	6.8
			4.0	2.2	12.5	91.1	119	6.7
			5.0	2.2	11.8	85.8	136	6.7
			6.1	1.8	12.6	91.1	279	6.6
			7.0	1.8	12.6	90.9	300	6.6
			8.0	2.0	12.1	87.6	296	6.6
			9.0	2.4	11.2	82.2	291	6.6
			10.0	2.8	10.9	79.9	294	6.6
			11.0	3.1	9.8	72.7	293	6.6
			12.0	3.3	9.4	69.3	292	6.6
13.0	3.6	6.8	50.9	291	6.5			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP05 (continued)	19-Mar-07	1.3	0.0	0.0	16.6	113.4	126	6.5
			1.0	0.0	16.6	114	126	6.5
			2.0	0.9	15.7	109.5	116	6.5
			3.0	1.1	14.3	100.4	119	6.5
			4.0	2.1	12.9	92.8	113	6.5
			5.0	2.1	12.4	89.7	168	6.4
			6.0	1.9	12.6	90.4	262	6.4
			7.0	1.9	12.6	90.8	284	6.4
			8.0	2.0	12.3	88.8	280	6.4
			9.0	2.5	11.3	82.3	274	6.4
			10.0	2.9	9.8	72.3	277	6.4
			11.0	3.1	8.4	62.5	276	6.4
	12.0	3.4	7.6	56.4	276	6.4		
	14-Apr-07	1.45	0.0	0.5	13.5	93.3	133	6.4
			1.0	0.6	13.7	95.2	131	6.4
			2.0	1.6	13.0	93.2	120	6.4
			3.0	2.2	12.3	88.6	119	6.3
			4.0	2.4	10.9	79	122	6.3
			5.0	2.1	11.4	82.5	183	6.2
			6.0	1.9	11.9	85.9	276	6.3
			7.0	1.9	11.8	85	284	6.3
			8.0	2.2	11.4	82.5	279	6.3
			9.0	2.5	10.7	77.9	275	6.3
			10.0	3.0	9.1	66	279	6.3
			11.0	3.2	7.8	57.9	277	6.3
	12.0	3.5	7.1	53.6	278	6.2		
	13.0	3.5	5.8	50.9	278	6.2		
	13.2	3.6	5.8	43.8	278	6.2		
	23-Jul-07	-	0.0	16.4	10.0	101.7	123	6.7
			1.0	16.4	10.0	102.3	123	6.6
			2.0	16.4	10.0	102.3	123	6.5
			3.0	16.4	10.0	102.2	123	6.5
			4.1	16.4	10.0	102.3	122	6.5
			5.0	16.4	10.0	102.2	122	6.5
			6.0	16.4	10.0	102.1	122	6.5
			7.0	16.3	10.0	102	121	6.5
8.0			16.3	10.0	102	122	6.5	
9.0			16.4	10.0	102	122	6.5	
10.0			16.3	10.0	101.9	122	6.5	
11.0			16.3	10.0	101.8	122	6.5	
12.0	16.3	10.0	101.8	121	6.5			
16-Aug-07	-	0.0	12.3	10.6	98.9	156	6.2	
		1.0	12.3	10.6	98.8	155	6.2	
		2.0	12.3	10.6	98.6	156	6.3	
		3.0	12.3	10.6	98.6	155	6.3	
		4.0	12.3	10.6	98.5	155	6.3	
		5.0	12.3	10.6	98.4	154	6.3	
		6.1	12.3	10.5	98.4	154	6.4	
		7.0	12.3	10.5	98.3	155	6.4	
		8.1	12.2	10.5	98.3	154	6.4	
		9.1	12.2	10.5	98.3	154	6.4	
		10.1	12.2	10.5	98.2	154	6.5	
		11.0	12.2	10.5	98.1	154	6.5	
12.0	12.2	10.5	98.1	154	6.5			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP05 (continued)	16-Aug-07	-	13.1	12.2	10.5	98.1	154	6.5
		-	14.1	12.1	9.4	84.4	156	6.4
	21-Sep-07	-	0.0	4.3	13.6	104.4	154	7.1
		-	1.0	4.3	13.5	104.3	154	7.1
		-	2.0	4.3	13.5	104.3	154	7.1
		-	3.0	4.3	13.5	104.2	154	7.1
		-	4.0	4.3	13.5	104.3	154	7.1
		-	5.0	4.3	13.5	104.3	154	7.1
		-	6.0	4.3	13.5	104.2	154	7.1
		-	7.0	4.3	13.5	104.2	154	7.1
		-	8.0	4.3	13.5	104.2	154	7.0
		-	9.0	4.3	13.5	104.2	154	7.0
		-	10.0	4.3	13.5	104.1	154	7.0
		-	11.0	4.3	13.5	104.2	154	7.0
		-	12.0	4.3	13.5	104.1	154	7.0
		-	13.0	4.3	13.5	104.1	154	7.0
-	14.0	4.3	13.3	102.7	154	6.9		
SNAP06	27-Feb-07	1.34	0.0	0.9	15.5	108.9	134	6.1
			1.0	0.5	15.9	109.9	132	6.1
			2.0	0.7	15.1	104.9	122	6.2
			3.0	2.2	13.7	99.4	114	6.2
			4.0	2.4	12.5	90.8	116	6.2
			5.0	2.6	11.1	81.5	115	6.3
			6.0	2.0	12.2	87.9	249	6.2
			7.0	2.0	12.1	87.7	299	6.2
			8.0	2.2	11.5	83.4	292	6.3
			9.0	2.5	10.9	79.8	289	6.3
			10.0	2.7	10.2	74.9	286	6.4
			11.0	3.0	9.7	71.6	284	6.4
	12.0	3.1	9.2	68.4	283	6.4		
	19-Mar-07	1.25	0.0	0.0	16.4	112.5	110	6.4
			1.0	0.0	17.0	116	107	6.4
			2.0	0.0	16.5	113.3	99	6.4
			3.0	0.1	15.8	108	96	6.5
			4.0	0.3	14.4	99.4	97	6.4
			5.0	0.6	12.5	87.1	134	6.4
			6.0	1.8	12.4	89.3	242	6.3
			7.0	1.9	12.7	91.8	278	6.3
			8.0	2.2	12.3	88.6	275	6.4
			9.0	2.5	11.2	81.5	273	6.4
			10.0	2.8	10.1	74.7	270	6.4
			11.0	3.0	9.6	71.6	269	6.4
	12.0	3.3	8.7	64.9	267	6.4		
	18-Apr-07	1.55	0.0	0.2	13.7	93.8	120	6.4
			1.0	0.2	13.8	94.7	126	6.4
			2.0	1.4	13.2	94	117	6.3
			3.0	2.3	12.2	89.3	112	6.4
			4.1	2.7	9.7	71.3	115	6.3
			5.0	2.5	9.7	71.2	150	6.3
			6.0	2.0	11.1	80	264	6.2
7.1			2.0	11.6	84.2	282	6.3	
8.0			2.2	11.4	82.9	280	6.3	
9.0			2.5	11.0	80.4	278	6.3	
10.1	2.8	9.6	70.2	275	6.3			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP06 (continued)	18-Apr-07	1.55	11.0	3.1	8.6	64.2	273	6.3	
			12.1	3.4	7.8	58.4	273	6.3	
			12.1	3.4	7.3	54.6	277	6.3	
	23-Jul-07	-	0.0	16.4	9.8	100.4	120	6.6	
		-	1.0	16.4	9.9	100.9	120	6.5	
		-	2.0	16.4	9.9	101.2	120	6.4	
		-	3.0	16.4	9.9	101.2	120	6.4	
		-	4.1	16.4	9.9	101.2	120	6.4	
		-	5.0	16.4	9.9	101.1	120	6.4	
		-	6.0	16.4	9.9	101.1	120	6.5	
		-	7.0	16.4	9.9	101	120	6.5	
		-	8.1	16.3	9.9	101.1	119	6.5	
		-	9.0	16.3	9.9	101.2	119	6.4	
		-	10.1	16.3	9.9	101.2	119	6.5	
		-	11.0	12.8	11.1	105.5	117	6.4	
	21-Sep-07	-	0.0	10.8	9.6	79.1	127	6.3	
		-	0.0	4.4	13.6	105	153	7.1	
		-	1.0	4.4	13.5	104.5	153	7.1	
		-	2.0	4.4	13.5	104.4	153	7.1	
		-	3.0	4.4	13.5	104.1	153	7.1	
		-	4.0	4.4	13.5	104.2	153	7.1	
		-	5.0	4.4	13.5	104.1	153	7.1	
		-	6.0	4.4	13.5	104.1	154	7.1	
		-	7.0	4.4	13.5	104.2	153	7.1	
		-	8.0	4.4	13.5	104	153	7.1	
		-	9.0	4.4	13.5	103.9	153	7.1	
		-	10.0	4.4	13.5	104.1	154	7.1	
	-	11.1	4.4	13.5	103.8	153	7.1		
	-	12.0	4.4	13.5	103.8	154	7.1		
	-	13.0	4.4	13.5	103.8	154	7.1		
	SNAP07	27-Feb-07	1.27	0.0	2.1	15.2	109.3	136	6.0
				1.0	1.1	15.5	109.7	133	6.0
				2.0	1.9	14.8	106.3	121	6.0
3.0				2.3	14.1	102	119	6.0	
4.0				2.5	13.4	95.2	120	6.0	
5.0				2.7	12.3	90.6	121	6.0	
6.0				2.9	11.4	84.3	121	6.0	
7.0				3.1	10.4	77.9	119	6.1	
8.0				3.2	9.6	71.8	120	6.1	
9.0				3.3	9.1	67.4	121	6.1	
10.0		3.4	7.9	56.2	126	6.0			
19-Mar-07		1.4	0.0	0.1	16.9	115.4	126	6.6	
			1.0	0.2	16.9	115.8	126	6.5	
			2.0	1.2	16.4	115.6	117	6.5	
			3.0	2.0	14.8	106.8	114	6.5	
			4.0	2.3	14.2	103.5	113	6.5	
			5.0	2.7	13.0	95.6	112	6.5	
			6.0	2.9	11.4	84.2	111	6.5	
			7.0	3.1	10.4	76.7	113	6.4	
			8.0	3.2	9.0	66.6	114	6.4	
			9.0	3.2	8.6	63.8	116	6.4	
	10.0		3.3	4.9	36.7	121	6.3		

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP07 (continued)		1.5	0.0	1.2	14.2	100.5	132	6.7	
			1.0	0.7	14.6	102.3	132	6.6	
			2.0	1.7	13.7	98.1	127	6.5	
			3.0	2.4	12.8	93.4	125	6.5	
			4.0	2.8	12.0	88.9	123	6.4	
SNAP07	27-Apr-07	1.5	5.0	3.1	10.2	75.4	123	6.4	
			6.0	3.3	9.5	70.8	125	6.3	
			7.0	3.3	7.9	58.9	126	6.3	
			8.0	3.3	7.6	57.1	127	6.3	
			9.0	3.4	7.4	55.7	129	6.3	
	20-Jul-07	-	0.0	17.5	9.7	101.3	123	6.7	
			1.0	17.4	9.8	102.6	123	6.4	
			2.1	17.3	9.8	102.5	123	6.5	
			3.0	17.3	9.9	102.6	123	6.4	
			4.0	17.2	9.9	102.8	123	6.5	
			5.0	16.7	11.1	112.4	117	6.5	
			6.0	13.5	12.0	115.1	114	6.5	
			7.0	11.5	12.6	115.8	114	6.5	
			8.0	11.2	12.0	110	115	6.5	
	20-Sep-07	-	0.0	3.6	13.7	103.6	143	6.5	
			1.0	3.6	13.7	103.6	143	6.6	
			2.0	3.6	13.7	103.5	143	6.6	
			3.0	3.6	13.7	103.6	143	6.7	
			4.0	3.6	13.7	103.6	143	6.7	
			5.0	3.6	13.7	103.5	143	6.7	
			6.0	3.6	13.7	103.5	143	6.8	
			7.0	3.5	13.7	103.4	143	6.8	
			8.0	3.5	14.0	105.3	143	6.8	
			9.0	3.5	13.8	103.9	143	6.8	
	10.0	3.5	13.8	103.7	143	6.8			
	SNAP08	27-Feb-07	1.2	0.0	0.8	15.2	106.2	146	5.0
				1.0	0.5	15.2	105.9	143	5.2
2.1				1.8	14.1	100.3	126	5.4	
3.0				3.0	12.2	90	118	5.6	
4.0				3.9	9.5	71.8	115	5.8	
5.0				3.9	8.9	67.9	116	5.9	
6.0				4.0	8.4	63.9	117	5.9	
7.0				4.0	7.0	52.9	120	6.0	
8.0		4.0	6.8	52.1	126	6.0			
19-Mar-07		1.3	0.0	0.3	16.1	110.7	140	6.5	
			1.0	0.1	16.6	113.9	137	6.5	
			2.0	1.5	15.6	110.2	120	6.5	
			3.0	3.2	12.1	90.5	112	6.5	
			4.0	3.8	10.1	76.4	110	6.5	
			5.0	3.7	9.6	72.7	113	6.4	
			6.0	4.1	7.9	59	112	6.4	
			7.0	4.1	4.4	33.8	112	6.3	
8.0		4.1	3.0	24	117	6.3			
27-Apr-07		1.42	0.0	0.1	14.4	98.8	144	6.4	
			1.0	0.2	14.5	99.7	141	6.4	
			2.0	2.3	12.4	90.1	128	6.3	
			3.0	3.6	10.9	82.1	125	6.3	
			4.0	3.8	10.5	79.6	124	6.2	

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP08 (continued)			5.0	3.9	10.0	76	125	6.2
			6.0	4.0	9.5	72.2	125	6.2
			7.0	4.1	5.6	42.2	125	6.1
			8.0	4.2	3.0	21.9	126	6.1
	20-Jul-07	-	0.0	17.7	9.6	100.4	128	6.8
			1.0	17.8	9.6	101.4	128	6.4
			2.1	17.8	9.6	101.3	128	6.4
			3.0	17.8	9.6	101.2	128	6.4
			4.0	17.8	9.6	101.1	128	6.3
			5.0	17.8	9.6	101.1	128	6.4
			6.0	17.7	9.6	101.2	128	6.4
			7.0	13.3	11.1	105.5	124	6.6
	18-Sep-07	-	0.0	3.0	13.9	103.1	140	7.1
			1.0	2.9	13.9	103.1	140	7.1
			2.0	2.9	13.9	102.9	140	7.1
			3.0	2.9	13.9	103	140	7.1
			4.0	2.9	13.9	103	140	7.1
			5.0	2.9	13.9	103	140	7.1
			6.0	2.9	13.9	102.9	140	7.1
			7.0	2.9	13.9	102.9	141	7.1
			7.0	2.9	13.9	103	140	7.1
			9.0	3.0	13.1	97.6	140	6.9
SNAP09	27-Feb-07	1.27	0.0	0.4	15.5	107.2	127	6.5
			1.1	0.5	15.3	106.1	123	6.4
			2.0	2.0	13.4	98.7	107	6.5
			3.0	2.3	12.8	93.4	105	6.5
			4.0	2.5	11.7	85.8	105	6.5
			5.0	2.6	11.3	82.5	108	6.5
			6.0	2.7	10.5	77.3	117	6.5
			7.0	2.7	10.2	75.4	142	6.4
	27-Feb-07	1.27	8.0	2.7	10.1	74.3	158	6.4
			9.0	2.6	10.1	74.5	177	6.4
			10.0	2.6	10.1	73.8	185	6.3
			11.0	2.7	9.7	71.6	192	6.3
			12.0	2.9	9.0	66.3	191	6.3
			13.0	2.8	8.9	65.9	204	6.3
	19-Mar-07	1.4	14.0	2.9	8.5	62.2	210	6.3
			0.0	0.1	15.2	104.8	120	6.6
			1.0	0.3	15.2	105.2	115	6.6
			2.0	1.4	14.4	102.4	105	6.6
			3.0	2.1	13.6	98.8	101	6.5
			4.0	2.3	12.1	87.3	102	6.5
			5.0	2.5	11.1	81.1	108	6.5
			6.0	2.5	10.4	76.3	134	6.4
			7.0	2.5	10.2	75.1	157	6.4
			8.0	2.5	9.9	72	170	6.4
			9.0	2.5	9.7	70.8	184	6.4
			10.0	2.7	9.5	70.2	185	6.4
			11.0	2.6	9.3	68.5	198	6.4
			12.0	2.7	9.1	66.9	204	6.4
13.0	2.7	9.1	66.9	217	6.3			
14.0	2.8	8.4	62	218	6.3			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP09 (continued)	20-Apr-07	1.45	0.0	0.1	13.0	88.9	117	6.4
			1.0	0.1	13.0	88.9	116	6.3
			2.0	1.6	12.3	87.7	107	6.3
			3.0	2.4	11.6	84.5	104	6.3
			4.0	2.6	10.4	75.6	115	6.3
			5.1	2.6	9.8	72.2	145	6.3
			6.0	2.6	9.5	69.7	166	6.3
			7.0	2.6	9.4	68.9	182	6.3
			8.0	2.6	9.3	68.5	195	6.3
			9.0	2.6	9.3	68.1	202	6.3
			10.0	2.6	9.1	66.9	213	6.3
			11.1	2.7	8.8	64.5	216	6.3
			12.0	2.6	9.0	66	228	6.3
			13.0	2.7	8.9	65.4	231	6.3
			14.0	2.8	8.6	63.5	238	6.3
	23-Jul-07	-	0.0	16.2	10.0	101.4	119	6.5
		-	1.0	16.2	9.9	100.8	119	6.4
		-	2.0	16.2	9.9	101	119	6.4
		-	3.0	16.2	10.0	101.3	119	6.3
		-	4.0	16.2	9.9	101.2	119	6.3
		-	5.1	16.2	10.0	101.3	119	6.3
		-	6.0	16.2	10.0	101.3	119	6.3
		-	7.0	16.2	10.0	101.3	119	6.3
		-	8.1	16.1	10.0	101.4	118	6.3
		-	9.0	14.7	10.6	104.3	117	6.4
		-	10.1	11.5	12.0	108.6	115	6.3
		-	11.0	9.1	12.5	108.6	114	6.3
		-	12.0	8.7	12.5	107.5	112	6.2
		-	13.1	8.2	11.8	100.5	112	6.2
	21-Sep-07	-	0.0	5.1	13.2	103.6	145	7.1
		-	1.0	5.0	13.2	103.5	145	7.1
		-	2.0	5.0	13.2	103.6	146	7.1
		-	3.1	4.9	13.2	103.5	145	7.1
		-	4.0	4.9	13.2	103.4	145	7.1
		-	5.0	4.9	13.2	103.4	145	7.1
		-	6.0	4.9	13.2	103.4	146	7.1
		-	7.0	4.9	13.2	103.4	146	7.1
		-	8.0	4.9	13.2	103.4	145	7.1
		-	9.0	4.9	13.2	103.4	146	7.1
		-	10.0	4.9	13.2	103.4	146	7.1
		-	11.0	4.9	13.2	103.3	146	7.1
-	12.0	4.9	13.2	103.3	146	7.1		
-	13.0	4.9	13.2	103.3	146	7.1		
-	14.0	4.9	12.8	99.9	146	7.1		
SNAP10	28-Feb-07	1.33	0.0	0.3	15.1	104.2	137	4.8
			1.0	0.3	15.7	108.3	137	5.0
			2.0	1.3	15.6	110.8	128	5.2
			3.0	1.9	15.5	112.1	124	5.4
			4.0	2.2	15.2	110.9	123	5.4
	5.0	2.7	13.7	100.9	135	5.6		
	17-Mar-07	no data	0.0	0.0	16.3	111.4	68	6.6
			1.0	0.0	16.6	113.6	68	6.5
			2.0	0.5	16.3	112.6	67	6.5
			3.0	1.7	15.8	113.6	118	6.5

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP10 (continued)			4.0	2.2	15.2	110.6	116	6.5	
			5.0	2.6	13.9	102.1	129	6.5	
	20-Apr-07	1.45	0.0	0.1	13.5	92.5	133	6.4	
				1.0	0.1	13.8	94.5	132	6.4
				2.0	1.3	13.6	96.2	127	6.4
				3.0	2.0	13.4	97.2	125	6.4
				4.0	2.5	12.5	91.1	123	6.4
				5.0	2.9	10.7	79.3	136	6.3
	22-Jul-07		-	0.0	16.1	9.8	99.1	118	6.6
				1.0	16.1	9.8	100	118	6.6
				2.0	16.1	9.9	100	118	6.6
				3.0	16.1	9.8	99.9	118	6.5
				4.0	16.1	9.8	99.9	118	6.5
	19-Sep-07		-	0.0	3.9	13.7	103.9	141	7.2
				1.0	3.8	13.7	104.1	141	7.1
				2.0	3.8	13.7	104.1	141	7.1
				3.0	3.8	13.8	104.5	141	7.1
				4.0	3.8	13.8	104.8	141	7.1
	SNAP11A	28-Feb-07	1.25	0.0	0.8	15.9	111.1	127	5.9
				1.0	0.7	15.9	111	124	5.9
				2.0	1.7	14.5	104	111	6.0
				3.0	2.2	14.1	102.8	105	6.1
				4.0	2.4	13.0	94.4	106	6.1
5.0				2.6	12.2	90	110	6.1	
6.0				2.8	11.2	81.6	114	6.1	
7.0				2.8	10.5	77.5	141	6.1	
8.0				2.6	10.5	77.3	171	6.1	
9.0				2.5	10.6	78	189	6.1	
10.0				2.4	11.0	80.5	204	6.2	
11.0				2.3	11.4	83	217	6.2	
12.0				2.4	11.3	82.8	220	6.2	
13.0		2.5	11.2	81	223	6.2			
17-Mar-07	1.35	0.0	0.0	16.2	110.2	84	6.5		
		1.0	0.0	14.3	97.9	79	6.5		
		2.0	0.3	13.1	90.2	74	6.5		
		3.0	1.9	13.8	100.6	101	6.4		
		4.0	2.3	13.7	99.6	103	6.4		
		5.0	2.6	11.5	82.7	110	6.4		
		6.0	2.5	10.7	78.5	144	6.4		
		7.0	2.4	10.8	78.7	165	6.4		
		8.0	2.4	10.5	77	176	6.3		
		9.0	2.3	11.0	80.1	193	6.3		
		10.0	2.3	11.3	82.7	201	6.3		
21-Apr-07	1.2	0.0	0.2	13.7	93.9	126	6.5		
		1.0	0.3	13.6	93.6	124	6.5		
		2.0	1.5	13.0	92.6	113	6.5		
		3.0	2.3	11.5	82.8	109	6.5		
		4.0	2.5	9.9	72.6	122	6.4		
			5.0	2.5	10.0	73.2	161	6.4	

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP11A (continued)			6.0	2.5	9.8	71.4	184	6.4
			7.0	2.4	9.9	72.4	200	6.4
			8.0	2.4	10.0	73.1	212	6.4
			9.0	2.3	10.0	72.8	223	6.4
			10.0	2.4	9.9	72.7	229	6.4
			11.0	2.3	10.6	77	245	6.4
			12.0	2.2	11.0	80	258	6.4
			13.0	2.4	10.6	77.2	255	6.4
			14.0	2.6	9.9	72.4	250	6.4
			15.0	2.9	9.2	68	246	6.4
	16.0	3.0	8.6	44.1	248	6.4		
	16.9	3.0	8.2	60.2	248	6.4		
	23-Jul-07	-	0.0	16.2	9.8	99.3	119	6.2
		-	1.0	16.2	10.0	101.4	119	6.0
		-	2.0	16.1	10.0	101.4	119	6.0
		-	3.1	16.1	10.0	101.6	118	6.0
		-	4.0	15.9	10.1	101.8	118	6.2
		-	5.0	15.8	10.1	102.3	118	6.1
		-	6.0	15.4	10.3	103.5	118	6.1
		-	7.0	12.0	11.0	107.3	117	6.1
		-	8.1	10.4	12.3	109.6	113	6.2
		-	9.0	9.6	12.6	110.7	112	6.1
		-	10.1	8.9	12.5	108.2	113	6.1
		-	11.1	8.6	12.4	106.4	113	6.0
		-	12.0	8.3	12.3	104.3	112	6.0
		-	13.1	8.2	12.3	103.9	112	6.0
		-	14.1	8.2	12.2	103.6	112	6.0
	-	15.0	8.0	11.8	99.9	112	6.0	
	-	16.0	7.8	12.0	96.7	114	5.9	
	19-Sep-07	-	0.0	5.2	13.4	105	145	7.0
		-	1.0	5.3	13.1	103.4	145	7.0
		-	2.0	5.3	13.0	102.8	145	7.0
		-	3.0	5.3	13.0	102.5	145	7.0
		-	4.0	5.3	13.0	102.5	145	7.0
		-	5.0	5.3	13.0	102.5	145	7.0
		-	6.0	5.3	13.0	102.5	145	7.0
-		7.0	5.2	13.0	102.5	145	7.0	
-		8.0	5.2	13.0	102.5	145	7.0	
-		9.0	5.2	13.0	102.4	145	7.0	
-		10.0	5.2	13.0	102.3	145	7.0	
-		11.0	5.2	13.0	102.4	145	7.0	
-		12.0	5.2	13.0	102.4	145	7.0	
-		13.0	5.2	13.0	102.4	145	7.0	
-		14.0	5.1	13.0	102.4	145	7.0	
-	15.0	5.1	13.0	102.3	145	7.0		
-	16.0	5.1	13.0	102.3	145	7.0		
SNAP12	24-Feb-07	0.95	0.0	0.5	15.9	110	142	6.4
			1.0	1.8	15.7	109.4	129	6.5
			2.0	1.7	14.5	104.8	121	6.6
			3.0	1.9	14.2	102.6	119	6.6
			4.0	2.2	12.9	93.2	117	6.6
			5.0	1.8	12.8	92.2	219	6.5
			6.0	1.8	12.8	91.7	279	6.5
7.0	2.0	12.1	87.3	292	6.5			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP12 (continued)	19-Mar-07	1.18	0.0	0.2	17.4	119.4	138	6.5
			1.0	0.2	17.0	116.1	132	6.5
			2.0	1.4	15.6	110.5	115	6.5
			3.0	2.0	14.6	104.8	112	6.5
			4.0	2.1	13.9	99.3	111	6.5
			5.0	2.0	13.2	95.5	207	6.4
			6.0	1.8	13.1	93.9	264	6.5
	7.0	2.0	12.7	91.4	274	6.5		
	11-Apr-07	1.18	0.0	0.2	14.0	96.1	132	6.4
			1.0	0.5	14.0	96.9	125	6.4
			2.0	1.5	13.5	96.4	117	6.4
			3.0	1.9	13.0	93.9	114	6.2
			4.0	2.1	11.8	86.3	142	6.1
			5.0	1.8	12.5	89.6	245	6.1
			6.0	1.8	12.4	88.9	260	6.2
	7.0	2.0	11.3	81.6	273	6.2		
	23-Jul-07	-	0.0	16.5	9.8	100.6	124	6.9
			1.0	16.5	10.0	102.4	124	6.9
			2.0	16.5	10.0	102.4	124	6.8
			3.0	16.5	10.0	102.4	124	6.8
			4.0	16.5	10.0	102.4	124	6.8
			5.0	16.5	10.0	102.4	124	6.8
			6.1	16.5	10.0	102.3	124	6.7
	16-Aug-07	-	0.0	12.4	10.6	98.9	156	6.6
			1.0	12.4	10.6	98.9	156	6.6
			2.0	12.4	10.6	98.8	156	6.6
			3.0	12.4	10.6	98.8	156	6.6
			4.1	12.4	10.5	98.7	156	6.6
			5.0	12.4	10.6	98.7	156	6.6
			6.0	12.4	10.6	98.7	156	6.7
			7.1	12.4	10.5	98.7	156	6.7
	17-Sep-07	-	0.0	5.5	12.8	101.8	158	7.0
			1.0	5.5	12.6	100.3	157	7.1
2.0			5.6	12.6	100	157	7.1	
3.0			5.6	12.6	99.9	157	7.1	
4.0			5.6	12.6	99.8	157	7.1	
5.0			5.6	12.6	99.8	157	7.0	
6.0			5.6	12.6	99.8	157	7.0	
7.0	5.6	12.6	99.8	157	7.0			
SNAP13	19-Mar-07	1.1	0.0	0.3	16.0	110.5	127	6.5
			1.0	0.7	15.6	108.6	115	6.5
			2.0	1.3	14.7	104.3	143	6.4
			3.0	1.7	14.3	102	134	6.5
			4.0	1.9	13.6	97.7	130	6.5
			5.0	1.9	13.6	98.1	197	6.4
			6.0	1.8	13.3	95.9	249	6.3
			7.0	1.8	13.0	93.3	283	6.3
			8.0	1.8	12.8	92.2	289	6.4
			9.0	1.8	12.7	91.6	291	6.4
			10.0	1.9	12.5	90.1	288	6.4
			11.0	1.9	12.4	89.8	293	6.4
			12.0	1.9	12.4	89.7	294	6.4
13.0	2.0	12.3	88.9	292	6.4			
14.0	2.0	12.2	88	294	6.4			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP13 (continued)			15.0	2.1	11.9	86	290	6.4
			16.0	2.2	11.2	81.2	294	6.4
			17.0	2.2	10.6	77.3	319	6.4
			18.0	2.2	10.3	75.2	319	6.4
			19.0	2.2	10.2	74.1	319	6.4
			20.0	2.3	4.1	29.2	318	6.3
			21.0	2.3	5.4	37	317	6.3
SNAP14	24-Feb-07	1.05	0.0	0.3	15.4	107.1	145	6.5
			1.0	1.0	15.0	105.4	130	6.6
			2.0	1.7	14.2	102	121	6.6
			3.0	2.0	13.2	94.6	117	6.6
			4.0	2.1	11.7	85	126	6.6
			5.0	1.9	11.9	85.5	179	6.5
			6.0	1.8	12.4	89.3	263	6.5
			7.0	1.8	12.6	90.4	297	6.5
			8.0	1.8	12.5	90.1	305	6.5
			9.0	1.9	12.0	86.8	303	6.5
			10.0	2.1	11.7	84.4	296	6.6
			11.0	2.3	10.8	78.8	294	6.6
			12.0	2.6	9.3	68.3	296	6.5
			13.0	3.2	6.1	42.2	302	6.5
	19-Mar-07	no data	0.0	0.1	17.5	119.8	142	6.5
			1.0	0.2	17.2	117.8	135	6.5
			2.0	0.8	16.2	112.5	120	6.5
			3.0	2.0	13.9	100.2	113	6.6
			4.0	2.1	13.5	97.3	114	6.6
			5.0	1.9	13.1	94.8	192	6.5
			6.0	1.8	13.4	96.4	264	6.4
			7.0	1.8	13.3	95.9	280	6.5
			8.0	1.9	13.2	95	285	6.5
			9.0	1.9	13.0	93.5	287	6.5
			10.0	2.1	12.7	91.7	284	6.5
			11.0	2.3	12.2	88.8	280	6.5
			12.0	2.6	10.3	75.4	279	6.5
			13.0	3.0	7.2	50.2	288	6.5
	12-Apr-07	1.23	0.0	0.2	14.2	97.9	139	6.2
			1.0	0.5	14.2	98.3	130	6.2
			2.0	1.6	13.4	95.2	116	6.3
			3.0	1.9	12.5	90	116	6.3
			4.0	1.9	11.4	82.4	146	6.3
			5.1	1.8	11.9	85.8	254	6.2
			6.0	1.8	12.0	86.4	265	6.3
			7.0	1.8	11.9	86	281	6.3
			8.0	1.9	11.8	85.3	285	6.3
			9.0	1.9	11.7	84.7	284	6.3
			10.0	2.1	11.4	82.8	280	6.3
			11.0	2.3	10.7	77.6	279	6.3
			12.0	2.7	7.4	54.7	280	6.3
			13.0	3.2	4.0	25.4	278	6.2
	25-Jul-07	-	0.0	16.5	9.9	101.5	122	6.2
1.0			16.5	10.0	101.9	122	6.0	
2.0			16.5	10.0	101.9	122	6.0	
3.0			16.5	10.0	101.9	122	6.0	
4.0			16.5	10.0	101.8	122	6.1	

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP14 (continued)		-	5.0	16.5	10.0	101.8	122	6.1
		-	6.0	16.5	10.0	101.8	122	6.1
		-	7.0	16.4	10.0	101.8	123	6.2
		-	8.0	16.2	10.1	102.8	134	6.1
		-	9.0	15.5	10.5	105.7	153	6.2
		-	10.0	14.9	10.8	106.9	163	6.2
		-	11.0	14.5	11.0	108.3	166	6.3
		-	12.0	13.0	11.4	109.4	168	6.3
	16-Sep-07	-	0.0	5.8	13.1	105	158	6.9
		-	1.0	5.9	12.9	103.3	158	7.0
		-	2.0	5.9	12.8	102.9	157	7.0
		-	3.0	5.9	12.0	102.8	157	7.0
		-	4.0	5.9	12.8	102.7	157	7.0
		-	5.0	5.9	12.8	102.7	157	7.0
		-	6.0	5.9	12.8	102.7	157	7.0
		-	7.1	5.9	12.8	102.6	158	7.0
		-	8.0	5.9	12.8	102.6	157	7.0
		-	9.0	5.9	12.8	102.6	158	7.0
		-	10.0	5.9	12.8	102.5	157	7.0
		-	11.0	5.9	12.8	102.5	157	7.0
		-	12.0	5.9	12.8	102.5	158	7.0
-	13.1	5.9	12.8	102.6	158	6.9		
SNAP17	22-Apr-07	no data	0.0	0.4	13.1	90.7	121	6.3
			1.0	0.3	13.2	91.2	123	6.4
			2.0	1.6	12.6	89.9	115	6.4
			3.0	2.3	12.0	87.1	111	6.4
			4.0	2.6	9.4	68.3	114	6.3
			5.0	2.7	9.3	68.7	152	6.3
			6.0	2.6	9.2	67.7	185	6.3
			7.0	2.5	9.7	70.8	206	6.3
			8.0	2.4	9.7	70.9	219	6.3
			9.0	2.4	9.9	72.6	228	6.4
SNAP18	28-Apr-07	1.35	0.0	0.4	14.4	99.8	124	6.4
			1.0	0.6	14.5	100.7	124	6.4
			2.0	1.8	13.9	99.8	115	6.4
			3.0	2.4	13.2	96.9	114	6.4
			4.0	2.6	10.3	75.3	117	6.4
			5.0	2.7	9.5	69.8	164	6.3
			6.0	2.6	9.6	70.2	190	6.3
			7.0	2.5	9.8	71.9	213	6.3
			8.0	2.4	10.1	74	224	6.4
			9.0	2.4	9.9	72.5	231	6.4
			10.0	2.4	9.9	72.5	241	6.4
11.0	2.4	9.9	72.2	249	6.4			
SNAP19	29-Apr-07	1.65	0.0	0.6	13.2	91.6	113	6.5
			1.0	0.8	13.1	92.6	115	6.5
			2.0	2.0	12.8	92.2	111	6.4
			3.0	2.6	11.9	87	108	6.4
			4.0	2.7	10.5	77.4	127	6.3
			5.0	2.7	9.9	73.9	162	6.2
			6.0	2.7	9.4	69.3	178	6.3
			7.0	2.6	9.4	68	195	6.3
8.0	2.6	9.3	68.2	211	6.3			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP19 (continued)			9.0	2.7	9.2	67.5	219	6.2
			10.0	2.7	9.1	66.9	222	6.2
			11.0	2.8	8.8	65.4	222	6.3
SNAP20	26-Feb-07	1.25	0.0	2.7	14.6	107.4	33	5.0
			1.0	1.4	14.9	105.9	32	5.2
			2.0	2.0	14.0	100.1	27	5.4
			3.0	2.4	12.7	92.7	25	5.6
			4.0	2.6	12.1	88.6	25	5.7
			5.0	2.7	11.8	86.5	26	5.9
			6.0	2.7	11.6	85.4	26	6.0
			7.0	2.8	11.5	84.9	26	6.1
			8.0	2.8	11.5	84.7	26	6.2
			9.0	2.8	11.4	84.1	26	6.3
			10.0	2.8	11.3	83.7	26	6.3
			11.0	2.9	11.2	82.7	26	6.3
			12.0	2.9	11.1	82.4	25	6.4
	13.0	2.9	11.0	80.9	26	6.4		
	18-Mar-07	1.4	0.0	0.5	16.2	112.4	32	6.0
			1.0	0.3	16.6	114.4	32	5.9
			2.0	0.8	15.7	109.1	26	5.9
			3.0	2.1	14.1	102.2	24	6.0
			4.0	2.4	13.5	98.3	24	6.0
			5.0	2.5	12.9	94.3	24	6.0
			6.0	2.6	12.3	90.5	25	6.0
			7.0	2.7	12.2	89.7	24	6.0
			8.0	2.7	12.0	88.8	24	6.1
			9.0	2.8	11.9	88.1	24	6.0
			10.0	2.8	11.8	87.1	24	6.1
			11.0	2.9	11.7	86.8	24	6.1
	12.0	2.9	11.5	84.9	24	6.1		
	13.0	2.9	11.1	81.9	24	6.1		
	25-Apr-07	1.38	0.0	0.5	14.6	101.1	32	6.6
			1.0	0.5	15.0	104.3	31	6.5
			2.0	1.6	14.2	101.8	27	6.5
			3.0	2.3	13.4	97.2	26	6.5
			4.0	2.5	12.6	92.2	25	6.5
5.0			2.6	12.1	89.3	25	6.5	
6.0			2.7	11.6	85.6	26	6.5	
7.0			2.8	11.4	84.1	25	6.5	
8.0			2.8	11.2	83.1	25	6.5	
9.0			2.9	11.1	81.8	25	6.5	
10.0			2.9	11.0	81.5	25	6.5	
11.0			2.9	10.9	80.9	25	6.5	
12.0			2.9	10.8	80.2	25	6.5	
13.0	2.9	9.0	66.5	34	6.4			
SNAP20B	24-Jul-07	-	0.0	17.4	9.0	94	21	6.4
		-	1.0	17.3	9.1	95	21	6.0
		-	2.0	17.2	9.2	95.3	20	6.0
		-	3.1	17.1	9.2	95.2	20	5.9
		-	4.0	17.1	9.2	94.8	20	5.9
		-	5.1	17.1	9.2	94.8	20	6.0
		-	6.0	16.9	9.2	94.9	20	5.9
		-	7.0	12.0	10.4	100.9	18	5.9
-	8.1	7.7	11.9	99.3	15	5.9		

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP20B (continued)		-	9.0	6.7	11.9	96.9	14	5.8	
		-	10.0	6.3	11.8	95.6	14	5.8	
		-	11.0	6.0	11.7	94	14	5.8	
		-	12.0	5.8	11.4	91	14	5.8	
	16-Aug-07	-	0.0	12.3	10.6	98.9	98.9	25	6.2
		-	1.0	12.2	10.5	98.3	98.3	25	6.3
		-	2.0	12.2	10.5	97.8	97.8	25	6.3
		-	3.1	12.2	10.5	97.6	97.6	25	6.3
		-	4.0	12.2	10.5	97.4	97.4	25	6.2
		-	5.0	12.1	10.5	97.4	97.4	25	6.2
		-	6.0	12.1	10.4	97.1	97.1	25	6.2
		-	7.0	12.1	10.4	97.1	97.1	25	6.2
		-	8.0	12.1	10.4	96.5	96.5	25	6.3
		-	9.0	9.4	11.5	100.2	100.2	23	6.2
		-	10.1	6.3	11.6	93.8	93.8	23	6.1
		-	11.0	5.9	11.5	91.7	91.7	23	6.1
		-	12.0	5.6	11.1	88	88	23	6.0
		-	12.0	5.3	10.8	85.2	85.2	23	6.0
		-	14.0	5.0	10.6	83	83	23	6.0
		-	15.0	4.8	10.3	80	80	23	5.9
		-	16.1	4.7	10.2	79.1	79.1	23	5.9
		-	17.0	4.6	10.1	78.2	78.2	23	5.9
		-	18.0	4.5	10.2	79.1	79.1	24	5.9
		-	19.0	4.5	10.1	78.1	78.1	24	5.9
		-	20.1	4.4	10.0	77.2	77.2	24	5.9
		-	21.1	4.3	10.0	76.7	76.7	24	5.8
		-	22.0	4.3	10.0	76.7	76.7	24	5.9
		-	23.0	4.3	9.8	75.4	75.4	24	5.8
		-	24.1	4.2	9.6	74	74	24	5.8
		-	25.1	4.2	9.6	73.4	73.4	25	5.8
		-	26.0	4.2	9.5	73.1	73.1	25	5.8
		-	27.1	4.2	9.5	73	73	25	5.8
		-	28.0	4.2	9.6	72.6	72.6	25	5.8
		-	29.1	4.2	9.5	72.4	72.4	25	5.8
	16-Sep-07	-	0.0	6.6	12.3	100.5	100.5	24	6.7
		-	1.0	6.5	12.3	99.9	99.9	24	6.7
		-	2.0	6.5	12.3	99.9	99.9	24	6.7
		-	3.0	6.5	12.3	99.8	99.8	24	6.6
		-	4.0	6.5	12.3	99.7	99.7	24	6.6
		-	5.0	6.5	12.3	99.6	99.6	24	6.6
		-	6.0	6.4	12.3	99.6	99.6	24	6.6
		-	7.1	6.4	12.3	99.9	99.9	24	6.6
		-	8.0	6.4	12.3	99.7	99.7	24	6.6
		-	9.0	6.4	12.3	99.9	99.9	24	6.6
-		10.0	6.4	12.3	99.6	99.6	24	6.6	
-		11.1	6.4	12.3	99.6	99.6	24	6.6	
-		12.0	6.4	12.3	99.8	99.8	24	6.6	
-		13.0	6.4	12.3	99.5	99.5	24	6.6	
-		14.1	6.3	12.2	98.8	98.8	24	6.6	
-		15.0	6.0	12.1	96.9	96.9	24	6.5	
-	16.0	5.9	12.1	97	97	24	6.4		
-	17.0	5.9	12.1	97.1	97.1	24	6.4		
-	18.0	5.8	12.1	97	97	24	6.4		
-	19.0	5.5	12.0	95.1	95.1	24	6.3		

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP20B (continued)		-	20.1	5.1	10.5	82.2	22	5.9
		-	21.0	4.6	9.9	77.1	22	5.8
		-	22.0	4.4	9.9	76.7	23	5.8
		-	23.1	4.4	9.9	76.5	23	5.8
		-	24.0	4.3	9.8	75.5	23	5.8
		-	25.0	4.3	9.8	74.8	23	5.8
		-	26.0	4.3	9.6	74	23	5.8
		-	27.0	4.2	9.3	71.5	23	5.7
		-	28.1	4.2	9.3	71.7	23	5.7
		-	29.0	4.2	9.4	72	23	5.7
-	30.1	4.2	9.4	72	23	5.7		
SNAP23	24-Apr-07	1.1	0.0	1.3	15.4	108.1	62	5.8
			1.0	0.6	15.3	106.3	61	5.8
			2.0	1.5	15.2	108.3	60	5.8
			3.0	2.4	14.0	102.4	62	6.0
			4.0	2.9	12.9	95.7	61	6.2
			5.0	3.3	11.2	82.9	61	6.2
			6.0	3.8	8.5	64	62	6.3
			7.0	4.0	5.4	39	65	6.2
			8.0	4.0	3.6	27.3	73	6.2
			9.0	4.0	2.2	17.1	79	6.2
			10.0	4.1	1.3	10	81	6.3
			11.0	4.2	0.7	5.3	83	6.3
	12.0	4.5	0.5	3.5	133	6.3		
	11.5	4.4	0.3	2.1	100	6.6		
	24-Jul-07	-	0.0	18.0	9.1	96.4	46	6.4
		-	1.0	17.9	9.2	97.1	46	6.3
		-	2.0	17.5	9.3	97.1	45	6.2
		-	3.0	17.2	9.3	96.3	46	6.2
		-	4.0	17.1	9.3	96	44	6.1
		-	5.0	17.0	9.3	95.9	42	6.1
		-	6.0	16.9	9.3	95.6	43	6.1
		-	7.0	16.8	9.3	95.6	40	6.2
		-	8.0	16.4	9.4	95.4	40	6.1
		-	9.0	11.1	10.9	99.4	33	6.1
		-	10.0	9.5	11.2	97.2	30	6.0
		-	11.0	8.7	10.8	92.6	30	6.0
	-	12.0	8.4	9.2	78.4	30	5.9	
	14-Sep-07	-	0.0	6.3	12.7	102.6	55	6.8
		-	1.0	6.4	12.4	100.9	55	6.8
		-	2.0	6.4	12.4	100.6	55	6.8
		-	3.0	6.4	12.4	100.5	55	6.8
		-	4.1	6.4	12.4	100.3	55	6.8
		-	5.0	6.4	12.4	100.3	55	6.8
-		6.1	6.4	12.3	100.2	55	6.8	
-		7.0	6.4	12.3	100.1	55	6.8	
-		8.0	6.4	12.3	100	55	6.8	
-		9.0	6.4	12.3	100	55	6.8	
-		10.0	6.3	12.3	100	55	6.8	
-		11.1	6.4	12.3	100	55	6.8	
-	12.0	6.3	12.1	98.5	55	6.8		

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP25	23-Feb-07	1.5	0.0	2.5	15.1	111.3	134	5.6
			1.0	1.4	15.2	108.2	135	5.6
			2.0	2.0	14.8	106.9	126	5.7
			3.0	2.3	14.4	104.6	124	5.8
	17-Mar-07	1.35	0.0	0.0	16.9	115.6	76	6.5
			1.0	0.0	16.2	110.4	78	6.5
			2.0	0.0	15.9	109	79	6.5
SNAP26	24-Feb-07	1.15	0.0	0.2	14.4	99	138	6.2
			1.0	0.6	14.4	100	130	6.4
			2.0	1.6	14.0	99.9	119	6.4
			3.0	1.9	13.6	98	122	6.4
			4.0	2.3	13.1	94.9	136	6.4
			5.0	3.3	7.9	57.9	180	6.3
	10-Apr-07	1.23	0.0	0.7	13.5	93.9	131	6.2
			1.0	0.5	13.6	94.4	130	6.3
			2.0	1.8	13.2	94.4	117	6.3
			3.0	2.2	12.4	90.1	122	6.4
			4.0	2.5	12.1	88.4	136	6.3
			5.0	3.4	5.9	42.3	197	6.3
	22-Jul-07	-	0.0	16.7	9.6	99.1	127	6.7
			1.1	16.7	9.8	100.8	128	6.7
			2.0	16.7	9.8	100.9	128	6.6
			3.0	16.7	9.8	100.9	128	6.6
			4.0	16.7	9.8	100.7	128	6.8
			5.1	16.7	9.8	100.7	128	6.6
	15-Sep-07	-	0.0	5.1	13.5	105.4	155	7.0
			1.0	5.1	13.1	102.9	155	7.0
			2.0	5.2	13.0	102.5	155	7.1
3.0			5.2	13.0	102.4	155	7.0	
4.0			5.1	13.0	102.4	155	7.1	
5.0			5.2	13.0	102.4	155	7.0	
SNAP27	24-Feb-07	1.5	0.0	0.5	15.4	107.1	148	6.3
			0.3	0.3	15.3	105.5	147	6.4
			0.5	0.2	15.3	105.3	147	6.4
			0.8	0.2	15.3	105.4	146	6.5
			1.0	0.4	15.2	104.2	151	6.5
			1.2	0.6	12.7	87.3	162	6.5
			1.6	0.8	7.0	49	207	6.3
	17-Mar-07	1.12	0.0	0.0	16.6	113.8	136	6.4
			0.3	0.0	16.7	114.3	136	6.4
			0.5	0.0	16.8	115.2	135	6.4
			0.8	0.0	16.8	115.1	135	6.4
			1.0	0.1	16.8	115.1	134	6.5
SNAP28	23-Feb-06	1.2	0.0	4.5	13.8	107.3	127	4.4
			1.0	3.3	13.7	102.7	127	4.3
			2.0	2.3	13.5	98.2	119	4.3
			3.0	2.6	12.6	98.1	124	4.3
			4.0	2.3	12.6	91.8	158	5.2
			5.0	2.0	12.7	92.2	213	5.5
6.0	2.0	12.5	90.3	273	5.6			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP28 (continued)	17-Mar-07	1.22	0.0	0.0	15.6	106.6	116	6.3	
			1.0	0.4	15.6	107.9	116	6.3	
			2.0	0.8	15.1	105.2	142	6.3	
			3.0	1.1	14.4	101.2	126	6.3	
			4.0	1.7	13.7	98.6	122	6.3	
			5.0	1.6	14.0	99.7	220	6.2	
			6.0	1.6	13.8	98.5	269	6.3	
	22-Jul-07	-	0.0	16.8	9.6	98.8	125	6.5	
		-	1.0	16.8	9.7	99.9	126	6.4	
		-	2.0	16.7	9.8	100.6	127	6.4	
		-	3.0	16.6	9.9	101.6	127	6.3	
		-	4.0	16.6	9.9	101.6	131	6.3	
		-	5.0	16.4	9.7	99.8	134	6.4	
		-	6.0	16.2	8.9	90.3	137	6.4	
	15-Aug-07	-	0.0	12.5	10.8	101.5	153	6.8	
		-	1.1	12.4	10.8	100.9	153	6.8	
		-	2.0	12.4	10.8	100.8	153	6.8	
		-	3.1	12.4	10.7	100.5	153	6.8	
		-	4.0	12.4	10.7	100.2	153	6.8	
		-	5.0	12.4	10.7	100	154	6.8	
		-	6.0	12.4	8.5	79.7	153	6.7	
	15-Sep-07	-	0.0	6.5	12.8	104.1	158	7.0	
		-	1.0	6.5	12.7	103.1	158	7.0	
		-	2.0	6.5	12.6	102.8	157	7.0	
		-	3.0	6.5	12.6	102.8	157	7.0	
		-	4.0	6.5	12.7	103	158	7.0	
		-	5.0	6.5	12.7	103	158	7.0	
		-	6.0	6.4	12.7	103	158	7.0	
	SNAP29	25-Feb-07	1.29	0.0	0.3	15.4	106.7	83	5.6
				1.0	0.3	16.0	110.6	80	5.5
2.0				0.8	16.0	112.3	75	5.4	
3.0				1.6	15.2	107.9	66	5.5	
4.0				2.4	13.2	96.3	64	5.6	
5.1				2.8	11.8	86.5	64	5.8	
6.0				3.0	10.6	77.6	67	5.8	
19-Mar-07		1.35	0.0	0.4	15.9	109.2	83	6.6	
			1.0	1.0	16.1	113.7	79	6.6	
			2.0	0.9	15.9	111.5	66	6.5	
			3.0	1.5	15.6	111.1	66	6.5	
			4.0	2.4	14.4	104.8	62	6.5	
			5.0	2.9	12.5	91.7	64	6.4	
			6.0	3.3	10.3	74.8	67	6.3	
24-Apr-07		no data	0.0	0.6	16.1	112.1	83	6.7	
			1.0	0.4	16.3	112.5	80	6.6	
			2.0	1.2	15.2	107.6	78	6.6	
			3.0	2.1	13.8	100	68	6.6	
			4.0	2.7	12.0	87.6	65	6.6	
			5.0	3.1	9.1	67.5	66	6.5	
20-Jul-07		-	0.0	18.7	9.9	102.8	46	6.6	
			1.0	18.5	9.4	100.6	46	6.3	
			2.0	18.3	9.5	101.3	47	6.2	
	3.0		18.3	9.5	101.3	47	6.2		
	4.0		18.2	9.5	101.3	45	6.3		

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP29 (continued)		-	5.0	16.8	10.0	101.9	44	6.3	
		-	6.0	15.1	10.3	102.1	41	6.2	
	16-Aug-07	-	0.0	12.1	10.8	100	54	6.7	
		-	1.0	12.1	10.7	99.5	58	6.7	
		-	2.1	12.1	10.7	99.3	58	6.7	
		-	3.1	12.1	10.7	99.2	58	6.7	
		-	4.1	12.1	10.7	99.2	58	6.7	
		-	5.0	12.1	10.7	99.1	58	6.8	
		-	6.0	12.1	10.6	98.8	58	6.7	
	21-Sep-07	-	0.0	3.5	14.0	105.4	57	7.0	
		-	1.0	3.5	14.0	105	57	6.9	
		-	2.0	3.5	13.9	104.9	57	6.9	
		-	3.0	3.5	13.9	104.8	57	6.9	
		-	4.0	3.5	13.9	104.7	57	6.9	
		-	5.0	3.5	13.9	104.7	57	6.8	
		-	6.0	3.5	13.9	104.6	57	6.9	
	SNP02-20D	21-Feb-07	0.92	0.0	0.9	15.3	107.2	131	5.1
				1.0	1.1	14.9	104.8	123	5.5
2.0				1.8	13.8	99.1	112	5.8	
3.0				2.2	13.1	94.9	109	6.1	
4.0				2.2	11.9	86.3	114	6.1	
5.0				1.9	12.5	90.4	190	6.1	
6.0				1.8	12.7	91.4	258	6.2	
7.0				1.8	12.5	90	276	6.3	
8.0				1.8	12.5	90	278	6.3	
9.0				1.8	12.4	89.3	283	6.4	
10.0		1.9	12.2	87.8	285	6.4			
11.0		2.3	10.6	77	280	6.4			
14-Mar-07		1.05	0.0	0.1	15.7	107.7	140	6.2	
			1.0	0.4	16.1	111.7	129	6.2	
			2.0	1.4	16.0	113.4	115	6.2	
			3.0	1.9	16.1	116.1	111	6.2	
			4.0	2.2	15.2	110.7	112	6.2	
			5.0	1.9	15.1	109.3	215	6.1	
			6.0	1.8	15.1	108.6	256	6.2	
			7.0	1.8	15.1	108.8	275	6.2	
			8.0	1.8	14.6	105.4	282	6.2	
			9.0	1.9	14.4	103.7	286	6.2	
10.0		1.9	13.6	97.9	287	6.3			
11.0		2.4	12.0	87.7	278	6.3			
16-Apr-07		1.3	0.0	0.4	13.8	95.4	140	6.2	
			1.0	0.6	13.5	94.1	134	6.3	
			2.0	1.9	12.8	91.8	116	6.3	
			3.0	2.0	11.0	79.6	141	6.3	
	4.0		1.9	11.3	81.7	179	6.3		
	5.0		1.9	12.0	86.1	220	6.3		
	6.0		1.9	11.9	86	253	6.3		
	7.0		1.9	11.9	85.7	257	6.4		
	8.0		1.9	11.8	85.4	266	6.4		
	9.0		1.9	11.9	85.5	266	6.4		
	10.0		1.9	11.8	85.3	266	6.4		
	11.0		2.4	9.9	72.6	276	6.4		
11.1	2.5	9.6	70.6	276	6.4				

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP29 (continued)	19-Jul-07	-	0.0	17.3	9.7	101.1	115	6.7	
		-	1.0	17.3	9.7	101.1	115	6.7	
		-	2.0	17.3	9.7	101.1	115	6.6	
		-	3.0	17.3	9.7	101.2	115	6.6	
		-	4.0	17.3	9.7	101.1	115	6.6	
		-	5.0	17.2	9.9	102.1	115	6.6	
		-	6.0	14.7	11.0	108.7	160	6.6	
		-	7.0	13.6	11.4	110.6	153	6.6	
		-	8.0	13.1	11.6	110.2	164	6.6	
		-	9.0	12.7	11.7	110.7	147	6.6	
		-	10.0	12.1	12.0	111.6	152	6.6	
	-	11.0	10.6	11.5	103.5	149	6.6		
	15-Aug-07	-	0.0	12.3	10.6	99.3	154	6.4	
		-	1.0	12.3	10.6	99.2	154	6.3	
		-	2.0	12.3	10.6	99.2	154	6.4	
		-	3.1	12.3	10.6	99.2	154	6.4	
		-	4.0	12.3	10.6	99.1	154	6.4	
		-	5.1	12.3	10.6	99.1	154	6.4	
		-	6.0	12.3	10.6	99.1	154	6.4	
		-	7.1	12.3	10.6	99	154	6.4	
		-	8.0	12.2	10.6	98.8	155	6.5	
		-	9.1	12.2	10.6	98.7	154	6.5	
		-	10.1	12.2	10.6	98.7	154	6.5	
	-	11.0	12.2	10.6	98.7	155	6.5		
	17-Sep-07	-	0.0	5.4	13.0	102.7	157	7.2	
		-	1.0	5.5	12.7	100.4	156	7.1	
		-	2.0	5.5	12.6	99.7	156	7.1	
		-	3.0	5.5	12.5	99.6	156	7.1	
		-	4.0	5.6	12.5	99.5	157	7.1	
		-	5.0	5.6	12.5	99.5	157	7.1	
		-	6.0	5.6	12.5	99.5	156	7.1	
		-	7.0	5.6	12.5	99.4	156	7.1	
		-	8.0	5.6	12.5	99.4	156	7.1	
		-	9.0	5.6	12.5	99.5	157	7.1	
	-	10.0	5.6	12.5	99.4	156	7.1		
	-	11.0	5.5	12.5	99.4	156	7.1		
	SNPe02-20e	21-Feb-07	0.99	0.0	0.9	15.5	108.6	135	6.6
				1.0	1.1	14.4	101.6	119	6.5
				2.0	1.7	13.5	96.7	112	6.5
				3.0	2.1	13.1	95.3	105	6.5
				4.0	2.2	12.4	90.3	109	6.5
				5.0	1.9	12.8	92.6	191	6.4
6.0				1.7	12.8	91.8	269	6.4	
7.0				1.8	12.6	90.4	274	6.5	
8.0				1.7	12.6	90.2	287	6.5	
9.0				1.8	12.4	89.2	288	6.5	
10.0				1.8	12.2	88.1	286	6.6	
11.0				2.0	12.1	87.3	283	6.6	
12.0				2.0	12.0	86.6	282	6.6	
13.0				2.0	11.9	85.7	287	6.6	
14.0	2.1	11.7	84.7	289	6.6				
15.0	2.2	11.3	82.1	288	6.6				

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20e (continued)	24-Feb-07 (continued)	0.99	16.0	2.2	11.1	81	294	6.6
			17.0	2.1	11.1	80.3	314	6.6
			18.0	2.1	10.9	78.8	314	6.6
			19.0	2.2	10.5	76.2	313	6.6
			20.0	2.2	10.2	73.8	313	6.6
			21.0	2.2	9.9	71.7	313	6.6
			22.0	2.2	9.6	69.6	313	6.6
			23.1	2.2	9.3	66.7	313	6.6
			24.0	2.2	9.0	65.5	312	6.6
			25.0	2.3	8.8	63.8	312	6.6
			26.0	2.3	7.7	55.5	314	6.5
	27.0	2.4	5.3	38.4	316	6.5		
	15-Mar-07	1.12	0.0	0.1	16.3	111.7	133	6.1
			1.0	0.5	16.3	112.8	127	6.1
			2.0	1.4	15.5	110.3	118	6.1
			3.0	2.0	14.9	107.4	110	6.1
			4.0	2.0	13.9	100.4	126	6.1
			5.0	1.7	14.1	101.5	210	6.0
			6.0	1.8	14.1	101.8	261	6.0
			7.0	1.8	14.0	100.5	282	6.1
			8.0	1.8	14.4	103.5	288	6.1
			9.0	1.82	13.7	98.6	288	6.1
			10.0	1.8	13.5	96.9	290	6.2
			11.0	1.9	13.3	95.8	290	6.2
			12.0	1.9	13.0	94	288	6.2
			13.0	2.0	13.0	94.5	287	6.2
			14.0	2.1	12.8	92.6	287	6.3
			15.0	2.1	12.4	90.3	286	6.3
			16.0	2.2	11.9	86.3	291	6.3
			17.0	2.2	11.5	83.3	316	6.3
			18.0	2.2	11.0	80	316	6.3
			19.0	2.2	10.5	76.6	315	6.3
	20.0	2.2	10.3	74.6	315	6.3		
21.0	2.3	9.5	68.7	315	6.2			
22.0	2.3	9.2	67.7	315	6.2			
23.0	2.3	9.1	66.7	315	6.2			
24.0	2.3	8.9	64.8	314	6.2			
25.0	2.3	8.3	60.3	314	6.2			
26.0	2.4	6.6	47.8	315	6.2			
27.0	2.5	4.6	32.3	318	6.1			
28.0	2.5	1.6	10.7	311	6.1			
15-Apr-07	1.2	0.0	0.2	13.5	93.2	131	6.3	
		1.0	0.8	13.3	93.2	124	6.2	
		2.0	2.0	12.2	88.2	115	6.2	
		3.0	1.9	12.2	87.6	165	6.1	
		4.0	1.8	12.2	87.8	200	6.2	
		5.0	1.8	12.2	87.6	248	6.2	
		6.0	1.8	12.1	87	259	6.2	
		7.0	1.8	12.0	86.5	264	6.3	
		8.0	1.8	12.1	86.5	277	6.3	
		9.0	1.9	12.0	86.6	278	6.3	
		10.0	1.9	12.0	86.2	284	6.3	
		11.0	1.9	11.9	85.9	287	6.3	
12.0	2.0	11.6	83.9	293	6.3			

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNP 02-20e (continued)			13.0	2.1	11.4	82.7	298	6.3	
			14.0	2.1	11.2	81.1	297	6.4	
			15.0	2.1	11.3	81.8	304	6.4	
			16.0	2.2	11.2	81.7	317	6.3	
			17.0	2.2	10.3	74.2	321	6.3	
			18.0	2.3	9.5	68.7	321	6.3	
			19.0	2.3	9.0	65.5	320	6.3	
			20.0	2.3	8.6	62.4	320	6.3	
			21.0	2.3	8.4	61.4	320	6.3	
			22.0	2.3	8.3	60.4	319	6.3	
			23.0	2.4	8.0	58.5	319	6.3	
			24.0	2.4	7.8	56.9	319	6.3	
			25.0	2.4	7.2	52.4	319	6.3	
			26.0	2.5	4.3	31.5	320	6.2	
	27.0	2.5	1.1	8.2	322	6.2			
				2.5	0.7	5.3	322	6.3	
		22-Apr-07	1.1	0.0	0.3	13.7	94.2	130	6.7
	1.0			0.5	13.5	93.6	129	6.7	
	2.0			1.5	12.8	91.6	135	6.6	
	3.0			1.8	12.5	88.9	132	6.7	
	4.0			2.0	12.0	86.3	165	6.7	
	5.0			1.9	11.7	84.7	211	6.6	
	6.0			1.9	11.8	84.9	257	6.6	
	7.0			1.8	11.8	84.9	269	6.6	
	8.0			1.9	11.8	85	274	6.7	
	9.0			1.9	11.7	84.6	278	6.7	
	10.0			1.9	11.7	84.7	283	6.7	
11.0	2.0		11.7	84.3	286	6.7			
			1.1	12.0	2.0	11.4	82.7	288	6.7
				13.0	2.1	10.8	78.7	286	6.7
				14.0	2.2	10.7	77.6	291	6.7
				15.0	2.2	10.6	77.2	299	6.7
				16.0	2.2	10.8	78.2	311	6.7
				17.0	2.2	10.3	74.2	323	6.7
				18.0	2.3	9.5	69.1	323	6.7
				19.0	2.3	9.1	66.5	323	6.7
				20.0	2.3	8.9	64.5	323	6.6
				21.0	2.3	8.5	62.3	323	6.6
		22.0		2.3	8.4	61	322	6.6	
		23.0	2.4	7.8	57.1	322	6.6		
		24.0	2.4	7.5	54.6	322	6.6		
		25.0	2.4	6.8	49.2	322	6.6		
		26.0	2.5	5.3	39	323	6.5		
	22-Jul-07	-	0.0	16.9	9.6	99.1	124	6.3	
		-	1.0	16.8	9.6	99.2	124	6.0	
		-	2.0	16.8	9.6	99.2	124	6.0	
		-	3.0	16.8	9.6	99.1	124	6.0	
		-	4.0	16.8	9.6	99.3	124	6.0	
		-	5.0	16.8	9.6	99.3	125	6.0	
		-	6.0	16.2	10.1	102.6	131	6.0	
		-	7.0	15.7	10.5	105.7	141	6.1	
		-	8.0	14.9	10.9	108.1	148	6.1	
		-	9.0	14.2	11.5	112	149	6.1	
	-	10.0	13.4	11.8	113	156	6.1		

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNP 02-20e (continued)		-	11.0	12.8	12.0	113.3	165	6.2	
		-	12.0	12.5	12.0	113	173	6.2	
		-	13.0	12.1	12.1	112.1	170	6.2	
		-	14.1	11.7	12.1	111	161	6.3	
		-	15.0	10.7	12.0	108.2	157	6.3	
		-	16.0	7.1	11.8	97.3	152	6.2	
		-	17.0	5.4	11.3	89.4	155	6.1	
		-	18.0	4.7	10.9	84.8	162	6.0	
		-	19.0	4.6	10.6	82.3	163	6.0	
		-	20.0	4.4	10.5	80.5	166	6.0	
		-	21.0	4.2	10.1	77.4	168	5.9	
		-	22.0	4.2	9.9	75.7	169	5.9	
		-	23.3	4.1	9.8	75	169	5.9	
		-	24.0	4.1	9.7	74.1	169	5.9	
		-	25.0	4.1	9.6	73.5	170	5.9	
		-	26.0	4.0	9.4	72.1	170	5.9	
		-	27.1	4.0	9.3	70.8	170	5.8	
		-	28.0	4.0	8.8	67	170	5.8	
		14-Aug-07	-	0.0	12.6	10.2	96	149	6.4
			-	1.0	12.5	10.2	95.4	150	6.4
			-	2.0	12.5	10.1	95.1	150	6.4
			-	3.0	12.5	10.1	95	149	6.4
			-	4.0	12.5	10.1	94.8	149	6.5
			-	5.0	12.4	10.1	94.7	149	6.5
			-	6.0	12.4	10.1	94.6	149	6.5
			-	7.0	12.4	10.1	94.7	149	6.5
			-	8.0	12.4	10.1	94.5	149	6.5
			-	9.0	12.4	10.1	94.4	149	6.6
-	10.0		12.3	10.1	94.5	149	6.6		
-	11.0		12.4	10.1	94.4	149	6.7		
-	12.0		12.4	10.1	94.4	149	6.7		
-	13.0		12.3	10.1	94.5	149	6.7		
-	14.0		12.3	10.1	94.5	149	6.7		
-	15.0		12.3	10.1	94.6	150	6.7		
-	16.0		12.3	10.1	94.6	150	6.7		
-	17.0		12.3	10.2	94.8	150	6.7		
-	18.0		11.4	9.9	90.2	162	6.7		
-	19.0		5.9	8.5	68.3	246	6.6		
-	20.0		4.7	8.3	64.6	260	6.5		
-	21.0		4.4	8.0	66.7	264	6.4		
-	22.0		4.2	7.6	58	265	6.4		
-	23.0		4.1	7.4	56.7	267	6.4		
-	24.0		4.1	7.3	55.8	268	6.3		
-	25.0		4.1	6.8	52.2	268	6.3		
-	26.0		4.0	6.5	49.3	269	6.3		
-	26.5		4.0	6.2	47	269	6.2		
13-Sep-07	-	0.0	7.6	12.0	100	160	7.0		
	-	1.0	7.6	11.9	99.7	160	7.0		
	-	2.0	7.5	12.0	99.8	160	7.0		
	-	3.1	7.5	11.9	99.7	160	7.0		
	-	4.0	7.5	11.9	99.5	160	7.0		
	-	5.0	7.5	11.9	99.5	160	7.0		
	-	6.1	7.5	11.9	99.4	160	7.0		
	-	7.0	7.5	11.9	99.4	160	7.0		

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNP 02-20e (continued)		-	8.0	7.5	11.9	99.5	160	7.0	
		-	9.0	7.5	11.9	99.2	160	7.0	
		-	10.0	7.5	11.9	99.2	160	7.0	
		-	11.0	7.5	11.9	99.1	160	7.0	
		-	12.0	7.5	11.9	99.1	160	7.0	
		-	13.0	7.4	11.9	99.1	160	6.9	
		-	14.1	7.4	11.9	99.1	160	6.9	
		-	15.1	7.4	11.9	99.1	160	6.9	
		-	16.1	7.4	11.9	99.1	160	6.9	
		-	17.0	7.4	11.9	99	160	6.9	
		-	18.0	7.4	11.9	99.1	160	6.9	
		-	19.0	7.4	11.9	99.2	160	6.9	
		-	20.1	7.4	11.9	99.1	160	6.9	
		-	21.0	7.4	11.9	99	160	6.9	
		-	22.0	7.4	11.9	99	160	6.9	
		-	23.0	7.3	11.9	98.9	161	6.9	
		-	24.0	7.3	11.9	98.9	161	6.9	
		-	25.0	7.3	11.9	98.8	162	6.9	
		-	26.0	7.1	12.0	99.3	159	6.9	
		19-Sep-07	-	0.0	4.5	13.5	104.6	156	7.1
			-	1.0	4.5	13.4	103.6	156	7.1
			-	2.0	4.5	13.4	103.4	156	7.1
			-	3.0	4.5	13.4	103.5	156	7.0
			-	4.0	4.5	13.4	103.5	156	7.0
			-	5.0	4.5	13.4	103.3	156	7.0
			-	6.0	4.5	13.4	103.3	156	7.0
-	7.0		4.5	13.3	103.2	156	7.0		
-	8.0		4.5	13.4	103.2	156	7.0		
-	9.0		4.5	13.4	103.2	156	7.0		
-	10.1		4.5	13.4	103.2	156	7.0		
-	11.0		4.4	13.4	103.2	156	7.0		
-	12.0		4.4	13.4	103.2	156	7.0		
-	13.0		4.4	13.4	103.2	156	7.0		
-	14.0		4.4	13.4	103.3	156	7.0		
-	15.0		4.4	13.4	103.2	156	7.0		
-	16.0		4.4	13.4	103.2	156	7.0		
-	17.0		4.4	13.4	103.2	156	7.0		
-	18.0		4.4	13.4	103.1	156	7.0		
-	19.0		4.4	13.4	103.1	156	7.0		
-	20.0		4.4	13.4	103.1	156	7.0		
-	21.0		4.4	13.4	103.1	156	7.0		
-	22.0		4.4	13.4	103.1	156	7.0		
-	23.0		4.4	13.4	103.2	156	6.9		
-	24.0		4.4	13.4	103.2	156	6.9		
-	25.0		4.4	13.4	103.2	156	6.9		
-	26.0	4.4	13.4	103.1	156	6.9			
-	27.0	4.4	13.4	103.2	156	6.9			
-	28.0	4.4	13.4	94.7	157	6.5			
SNP 02-20f	22-Feb-07	1.12	0.0	0.4	14.6	100.9	132	6.0	
			1.0	0.8	14.8	103.9	135	6.1	
			2.0	1.6	14.4	102.4	118	6.1	
			3.0	2.0	13.8	100	116	6.2	
			4.0	2.1	12.9	93.5	117	6.2	
			5.0	1.9	12.5	90	194	6.2	

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH		
SNP 02-20f (continued)			6.0	1.8	12.6	90.9	257	6.3		
			7.0	1.8	12.5	90.2	291	6.3		
			8.0	1.8	12.5	89.8	294	6.3		
			9.0	1.8	12.4	89.3	300	6.4		
			10.0	1.8	12.4	88.9	303	6.4		
			11.0	1.9	12.3	88.4	302	6.4		
			12.0	2.1	11.8	85.7	295	6.5		
			13.0	2.2	11.4	83.1	292	6.5		
			14.0	2.6	8.5	58.9	306	6.4		
			17-Mar-07	1.24	0.0	0.1	16.1	110.2	132	6.3
					1.0	0.3	16.4	113.1	127	6.2
					2.0	1.5	15.5	110	111	6.3
					3.0	1.9	15.2	110.1	108	6.2
					4.0	2.1	13.9	100.7	114	6.3
	5.0	1.9			14.1	101.7	221	6.1		
	6.0	1.8			14.0	101	257	6.2		
	7.0	1.8			14.4	104.3	270	6.2		
	8.0	1.9			14.4	103.6	275	6.2		
	9.0	1.9			14.1	101	279	6.3		
	19-Jul-07	-	0.0	17.3	9.7	101.1	115	6.9		
			1.0	17.3	9.7	101.1	115	6.8		
			2.0	17.3	9.7	101.1	115	6.7		
			3.0	17.3	9.7	101.1	115	6.6		
			4.0	17.3	9.7	101.1	115	6.6		
			5.0	17.3	9.7	101.1	115	6.6		
			6.0	15.2	10.8	107.2	134	6.6		
			7.0	14.0	11.6	112.9	162	6.6		
			8.0	13.1	11.6	110.1	176	6.6		
			9.0	12.5	11.8	110.4	170	6.6		
			10.0	12.3	11.8	110.3	159	6.6		
			11.0	11.9	11.8	109.6	161	6.6		
			12.0	11.5	11.9	108.8	155	6.6		
			13.0	10.7	12.4	110.3	151	6.6		
			1.24	11.0	1.9	13.2	95.2	284	6.3	
				12.0	2.0	13.1	95.1	282	6.3	
				13.0	2.2	12.6	90.7	273	6.3	
				14.0	2.5	8.0	56.1	278	6.2	
	17-Apr-07	1.35	0.0	0.2	13.4	92.1	131	6.3		
			1.0	0.6	13.5	93.7	130	6.3		
			2.0	1.7	12.8	91.5	119	6.3		
			3.0	2.1	11.5	83.1	117	6.2		
			4.1	1.8	11.8	85.2	197	6.1		
			5.0	1.8	12.0	86.4	247	6.1		
6.0			1.8	12.0	86.3	258	6.2			
7.0			1.8	12.0	86.1	262	6.2			
8.0			1.9	11.9	85.6	268	6.2			
9.0			1.9	11.9	85.5	270	6.2			
10.0			1.9	11.8	85.1	277	6.2			
11.0			2.1	11.4	82.3	283	6.2			
12.0			2.1	11.1	80.2	284	6.2			
13.0			2.2	10.9	78.9	284	6.3			
	14.0	2.4	7.8	57	287	6.2				

**Table II-6 Snap Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20f (continued)	15-Aug-07	-	0.0	12.3	10.6	99.3	156	6.6
		-	1.1	12.3	10.6	99.3	156	6.6
		-	2.0	12.3	10.6	99.1	156	6.6
		-	3.0	12.3	10.6	99.1	157	6.7
		-	4.0	12.3	10.6	99	157	6.7
		-	5.0	12.3	10.6	99.1	156	6.7
		-	6.0	12.3	10.6	98.9	156	6.7
		-	7.1	12.3	10.6	99	155	6.7
		-	8.0	12.3	10.6	98.9	155	6.7
		-	9.0	12.3	10.6	98.9	155	6.7
		-	10.0	12.3	10.6	98.8	155	6.7
		-	11.0	12.3	10.6	98.9	155	6.7
		-	12.1	12.2	10.6	98.8	157	6.8
	-	13.0	12.2	10.6	98.6	156	6.7	
	17-Sep-07	-	0.0	5.4	12.9	101.6	157	7.1
		-	1.0	5.5	12.6	100.1	157	7.1
		-	2.0	5.5	12.6	99.8	157	7.1
		-	3.0	5.5	12.6	99.8	157	7.1
		-	4.0	5.5	12.6	99.7	157	7.1
		-	5.0	5.5	12.6	99.6	157	7.0
		-	6.0	5.5	12.6	99.6	157	7.0
		-	7.0	5.5	12.6	99.6	157	7.0
		-	8.0	5.5	12.6	99.6	157	7.0
		-	9.0	5.5	12.5	99.6	157	7.0
		-	10.0	5.5	12.5	99.5	157	7.0
-		11.0	5.5	12.5	99.5	157	7.0	
-	12.0	5.5	12.5	99.5	157	7.0		
-	13.0	5.5	12.5	99.5	157	7.0		

Notes:

m = metres.

- = data not available.

°C = degrees Celsius.

mg/L = milligrams per litre.

µS/cm = microSiemens per centimetre.

Shading indicates questionable value.

**Table II-7 Northeast Lake Profile Data, 2007**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
NEL01	18-Jul-07	-	0.0	16.8	9.5	98.3	17	6.3
		-	1.0	16.8	9.5	98.2	17	6.2
		-	2.0	16.8	9.5	98.1	17	6.2
		-	3.0	16.8	9.5	98.1	17	6.1
		-	4.0	16.7	9.6	98.7	17	6.6
		-	5.0	12.5	11.2	104.8	15	6.0
		-	6.0	10.9	11.6	104.9	15	6.0
		-	7.0	10.5	11.6	104.1	15	6.0
		-	8.0	10.2	11.7	104	14	6.0
		-	9.0	10.0	12.9	114.3	14	5.9
	-	10.0	9.8	11.8	103.8	14	6.0	
	12-Sep-07	-	0.0	7.7	11.9	99.7	19	6.6
		-	1.0	7.7	11.8	98.6	19	6.6
		-	2.0	7.7	11.8	98.5	19	6.6
		-	3.0	7.7	11.8	98.5	19	6.5
		-	4.0	7.7	11.8	98.5	19	6.5
		-	5.1	7.7	11.8	98.6	19	6.5
		-	6.0	7.7	11.8	98.6	19	6.5
		-	7.1	7.7	11.8	98.5	19	6.5
		-	8.0	7.7	11.8	98.5	19	6.5
-		9.0	7.7	11.8	98.5	19	6.5	
-	10.0	7.6	11.8	98.4	19	6.5		
-	11.0	7.5	11.8	98.5	19	6.5		
NEL02	17-Jul-07	-	0.0	15.7	7.7	77	16	6.4
		-	1.0	15.6	7.7	77	16	6.5
		-	2.0	15.5	7.7	76.8	16	6.3
		-	3.0	15.5	7.7	76.8	16	6.3
		-	4.0	15.4	7.7	76.6	16	6.1
		-	5.0	13.2	8.3	79	15	6.1
		-	6.0	12.2	8.6	79.8	15	6.1
		-	7.0	11.0	8.8	79.8	14	6.1
		-	8.0	10.5	8.9	79.4	14	6.1
		-	9.0	10.2	8.9	78.8	14	6.1
	-	10.0	9.8	8.9	78.4	14	6.1	
	-	11.0	9.6	8.9	78.3	14	6.1	
	12-Sep-07	-	0.0	8.0	11.9	100	19	6.6
		-	1.0	8.0	11.6	98.1	19	6.6
		-	2.0	8.0	11.6	98.1	19	6.6
		-	3.1	8.0	11.6	98.1	19	6.6
		-	4.0	8.0	11.6	98.1	19	6.6
		-	5.1	8.0	11.6	98.1	19	6.6
		-	6.0	8.0	11.6	98	19	6.6
		-	7.0	8.0	11.6	98	19	6.6
-		8.1	8.0	11.6	98.1	19	6.6	
-		9.0	8.0	11.6	98	19	6.6	
-	10.0	8.0	11.6	98	19	6.6		
-	11.0	8.0	11.6	98	19	6.6		

**Table II-7 Northeast Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
NEL03	17-Jul-07	-	0.0	15.3	7.8	77.8	16	6.5
		-	1.0	15.2	7.7	77	16	6.5
		-	2.0	15.2	7.7	77	16	6.4
		-	3.0	15.1	7.7	77	16	6.3
		-	4.0	15.1	7.8	77	16	6.2
		-	5.0	13.1	8.3	79.5	15	6.1
		-	6.0	11.2	8.8	80.1	15	6.0
		-	7.0	11.1	8.8	80	15	6.0
		-	8.0	10.8	9.2	82.2	14	6.0
		-	9.0	10.3	8.9	79.7	14	6.0
	12-Sep-07	-	0.0	8.5	11.6	98.5	19	6.8
		-	1.0	8.5	11.5	98	19	6.8
		-	2.0	8.4	11.5	98	19	6.7
		-	3.0	8.4	11.5	98	19	6.7
		-	4.1	8.4	11.5	97.9	19	6.7
		-	5.0	8.4	11.5	97.8	19	6.7
		-	6.0	8.4	11.5	97.9	19	6.7
		-	7.0	8.4	11.5	97.8	19	6.7
		-	8.0	8.4	11.5	97.7	19	6.7
		-	9.0	8.4	11.5	97.8	19	6.7
NEL04	18-Jul-07	-	0.0	15.9	9.8	99.5	17	6.3
		-	1.0	15.9	9.8	99.4	17	6.2
		-	2.0	15.9	10.1	102	17	6.1
		-	3.0	15.8	9.9	99.5	17	6.1
		-	4.0	15.9	9.8	99.3	17	6.0
		-	5.0	15.8	9.9	99.3	17	6.0
		-	6.0	13.1	11.0	105	16	5.9
		-	7.0	11.8	11.4	105.2	15	5.9
		-	8.0	10.9	11.6	104.8	15	5.9
		-	9.0	10.4	11.7	104.3	15	5.9
	11-Sep-07	-	0.0	8.3	11.8	100.6	20	6.6
		-	1.0	8.3	11.8	100.5	20	6.6
		-	2.0	8.3	11.8	100.5	20	6.5
		-	3.0	8.4	11.8	100.4	20	6.5
		-	4.0	8.4	11.8	100.4	20	6.5
		-	5.0	8.4	11.8	100.3	20	6.5
		-	6.0	8.4	11.8	100.3	20	6.5
		-	7.0	8.3	11.8	100.2	20	6.5
		-	8.0	8.4	11.8	100.1	20	6.5
		-	9.0	8.4	11.8	100.1	20	6.5
-	10.0	8.3	11.8	100.2	20	6.6		
-	11.0	8.2	11.8	100.1	20	6.6		
-	12.0	8.2	11.8	100.2	20	6.6		
-	13.0	8.2	11.8	100.3	20	6.6		

**Table II-7 Northeast Lake Profile Data, 2007 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
NEL05	18-Jul-07	-	0.0	15.0	10.1	100.3	16	5.9
		-	1.1	15.0	10.1	100.1	16	5.8
		-	2.0	14.9	10.1	99.9	16	5.8
		-	3.0	14.9	10.1	100	16	5.8
		-	4.0	14.6	11.0	105.3	16	5.8
		-	5.0	13.1	10.9	103.8	16	5.8
		-	6.0	12.1	11.3	105	15	5.8
		-	7.0	11.7	11.4	104.8	15	5.8
		-	8.0	11.0	11.6	104.6	15	5.8
		-	9.0	10.6	11.6	103.8	15	5.8
		11-Sep-07	-	0.0	8.6	11.8	100.8	20
	-		1.0	8.6	11.7	100.4	19	6.6
	-		2.1	8.6	11.7	100.3	19	6.6
	-		3.0	8.6	11.7	100.3	19	6.6
	-		4.0	8.6	11.7	100.2	19	6.6
	-		5.0	8.6	11.7	100.1	19	6.6
	-		6.0	8.6	11.7	100.1	19	6.6
	-		7.1	8.6	11.7	100.1	19	6.6
	-		8.0	8.6	11.7	100	19	6.6
	-	9.0	8.6	11.7	100	19	6.6	
-	10.0	8.6	11.7	100	19	6.6		

Notes:

m = metres.

- = data not available.

°C = degrees Celsius.

mg/L = milligrams per litre.

µS/cm = microSiemens per centimetre.

Shading indicates questionable value.

**Table II-8 Snap Lake Profile Data, 2008**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP02A	16-Apr-08	1.7	1.7	0.7	18.3	127.6	53	6.2
		1.7	2.0	1.1	18.3	129.1	50	6.2
		1.7	3.0	2.0	17.2	124.2	48	6.2
		1.7	4.0	2.5	16.2	118.8	47	6.2
		1.7	5.0	2.9	11.5	84.8	45	6.0
		1.7	6.0	3.1	9.9	74	50	5.9
		1.7	7.0	3.2	9.6	71.4	51	5.9
		1.7	8.0	3.2	10.9	82.1	56	5.9
		1.7	9.0	3.3	11.5	86.2	57	5.9
	11-May-08	1.7	1.7	0.5	16.9	117	46	-
		1.7	2.0	2.0	16.1	116.3	45	-
		1.7	3.0	3.2	16.2	120.8	50	-
		1.7	4.0	3.5	13.9	104.3	50	-
		1.7	5.0	3.6	15.0	114.8	54	-
		1.7	6.0	3.8	16.0	121.5	56	-
		1.7	7.0	3.7	18.4	139.4	61	-
		1.7	8.0	3.7	17.1	128.9	63	-
		1.7	9.0	3.7	16.4	124	64	-
SNAP03	11-Apr-08	1.3	1.3	0.1	16.8	115.1	246	6 - 6.7
		1.3	2.0	0.7	16.3	113.8	236	6 - 6.7
		1.3	3.0	1.1	16.1	113.6	263	6 - 6.6
		1.3	4.0	1.2	15.9	112.1	291	6.1 - 6.7
		1.3	5.0	1.2	15.7	110.9	295	6 - 6.6
		1.3	6.0	1.2	15.5	109.7	301	6.1 - 6.7
		1.3	7.0	1.2	15.3	108.5	300	6 - 6.7
		1.3	8.0	1.3	15.2	107.5	299	6 - 6.7
		1.3	9.0	1.5	14.6	103.9	289	5.6 - 6.7
		1.3	10.0	1.8	14.1	100.9	285	5.9 - 6.6
		1.3	11.0	2.0	13.6	98.3	281	5.9 - 6.6
		1.3	12.0	2.2	12.8	92.3	279	5.8 - 6.5
	09-May-08	1.5	1.5	0.6	15.7	109.1	250	6 - 6.6
		1.5	2.0	1.1	15.0	105.3	240	6 - 6.6
		1.5	3.0	1.4	14.8	105.7	302	5.9 - 6.6
		1.5	4.0	1.5	15.0	107.2	315	6 - 6.6
		1.5	5.0	1.5	15.0	107.1	321	6 - 6.6
		1.5	6.0	1.5	14.9	106.2	319	6 - 6.6
		1.5	7.0	1.5	14.8	105.6	319	6 - 6.6
		1.5	8.0	1.5	14.8	105.4	319	6 - 6.4
		1.5	9.0	1.8	14.4	103.5	310	6 - 6.6
1.5	10.0	2.0	14.0	100.5	303	5.9 - 6.6		
1.5	11.0	2.2	13.4	97.1	298	5.9 - 6.6		
1.5	12.0	2.3	13.0	94.7	296	5.9 - 6.5		
SNAP04	20-Feb-08	1.3	1.3	0.3	17.3	119.6	252	6.2
		1.3	2.0	1.5	14.4	103	235	6.2
		1.3	3.0	2.3	14.5	105.4	226	6.2
		1.3	4.0	2.8	13.4	99.3	222	6.1
	03-Apr-08	1.3	1.3	0.6	14.2	98.5	261	6.5
		1.3	1.3	0.8	14.0	98.2	259	6.5
		1.3	1.5	0.4	14.3	98.7	255	6.2
		1.3	2.0	1.0	13.9	97.8	246	6.2
		1.3	2.5	1.9	13.0	93.7	239	6.3
		1.3	3.0	2.5	12.4	90.8	234	6.1
		1.3	3.5	2.9	11.6	86.1	232	6.2

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP04 (continued)	10-May-08	1.4	1.4	0.7	13.5	94.2	264	-
		1.4	2.0	2.9	12.5	91.8	249	-
		1.4	3.0	3.9	11.5	87.3	245	-
		1.4	4.0	3.9	10.9	82.7	246	-
SNAP05	26-Jan-08	1.1	1.2	0.2	17.8	123	201	6.9
		1.1	2.0	0.7	17.4	121.3	192	6.9
		1.1	3.0	0.9	17.1	119.3	189	6.9
		1.1	4.0	0.9	16.9	118.5	202	6.9
		1.1	5.0	0.9	16.6	116.3	236	6.8
		1.1	6.0	0.9	16.5	116	245	6.8
		1.1	7.0	1.0	16.1	113.3	244	6.8
		1.1	8.0	1.2	15.5	109.2	236	6.8
		1.1	9.0	1.5	14.6	103.8	232	6.8
		1.1	10.0	1.7	14.1	101.3	229	6.7
		1.1	11.0	1.9	13.4	96.5	226	6.7
		1.1	12.0	2.1	12.5	90.8	225	6.6
		1.1	13.0	2.3	10.9	79	226	6.5
		22-Feb-08	1.3	1.3	0.3	16.2	111.7	240
	1.3		2.0	0.8	15.9	111	225	6.3
	1.3		3.0	1.1	15.5	109.2	221	6.4
	1.3		4.0	1.1	15.1	106.7	238	6.4
	1.3		5.0	1.1	14.9	105.3	269	6.2
	1.3		6.0	1.1	14.6	103.3	279	6.3
	1.3		7.0	1.2	14.3	101.5	274	6.3
	1.3		8.0	1.4	13.5	95.6	267	6.2
	1.3		9.0	1.7	12.8	91.9	264	6.3
	1.3		10.0	2.0	12.4	89.4	260	6.1
	1.3		11.0	2.2	11.5	83.7	258	6.2
	1.3		12.0	2.4	11.1	80.8	256	6.1
	1.3		13.0	2.5	10.0	73.6	256	6.0
	08-Apr-08		1.7	1.8	1.0	15.6	109.3	235
		1.7	2.0	0.9	15.7	109.8	227	6.6
		1.7	3.0	1.2	15.0	106.5	223	6.6
		1.7	4.0	1.1	15.5	109.2	275	6.6
		1.7	5.0	1.2	15.6	110.6	278	6.6
		1.7	6.0	1.2	15.5	110	283	6.6
		1.7	7.0	1.3	15.2	108.2	279	6.6
		1.7	8.0	1.5	14.5	103.6	274	6.6
		1.7	9.0	1.8	13.6	98.9	269	6.6
		1.7	10.0	2.0	13.3	95.9	266	6.6
		1.7	11.0	2.2	12.7	92.4	264	6.6
		1.7	12.0	2.4	12.0	87.9	262	6.5
		1.7	13.0	2.6	10.9	80.1	261	6.5
		1.7	14.0	2.8	9.3	98.3	260	6.4
	08-May-08	1.4	1.4	0.2	15.8	107.6	246	6 - 6.6
1.4		2.0	1.1	14.9	105	239	5.9 - 6.6	
1.4		3.0	1.7	14.6	104.5	242	5.8 - 6.5	
1.4		4.0	1.5	15.0	107.4	303	5.8 - 6.6	
1.4		5.0	1.6	15.4	110	301	5.8 - 6.6	
1.4		6.0	1.6	15.3	109.2	307	5.7 - 6.7	
1.4		7.0	1.8	15.0	108	295	5.7 - 6.7	
1.4		8.0	2.0	14.8	107.3	289	5.7 - 6.7	
1.4		9.0	2.1	14.1	100.7	294	6 - 6.6	

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP05 (continued)		1.4	10.0	2.3	12.7	92.6	290	5.9 - 6.6
		1.4	11.0	2.5	12.2	89.3	288	5.6 - 6.5
		1.4	12.0	2.6	12.0	88	288	5.5 - 6.5
		1.4	13.0	2.8	11.4	83.6	286	5.5 - 6.5
		1.4	14.0	3.0	8.9	65.2	283	5.4 - 6.4
SNAP06	10-Apr-08	1.3	1.3	0.2	15.4	106.3	249	-
		1.3	2.0	0.7	15.1	105.2	236	-
		1.3	3.0	1.4	12.8	90.8	228	-
		1.3	4.0	1.5	13.4	95.5	231	-
		1.3	5.0	1.6	14.6	104.8	235	-
		1.3	6.0	1.4	14.5	103.1	270	-
		1.3	7.0	1.5	13.8	98.9	276	-
		1.3	8.0	1.8	14.0	101.2	266	-
		1.3	9.0	2.0	14.7	106.8	256	-
		1.3	10.0	2.1	13.2	94.7	261	-
	1.3	11.0	2.2	10.7	78.1	260	-	
	11-Apr-08	1.3	1.3	0.2	16.6	114	248	5.8 - 6.5
		1.3	2.0	0.6	16.3	113.3	233	5.8 - 6.5
		1.3	3.0	1.4	14.7	104.2	223	5.8 - 6.5
		1.3	4.0	1.5	14.0	99.7	226	5.9 - 6.8
		1.3	5.0	1.5	14.4	103.6	260	5.7 - 6.5
		1.3	6.0	1.4	14.8	105.2	273	5.9 - 6.5
		1.3	7.0	1.6	14.4	102.5	269	5.7 - 6.5
		1.3	8.0	1.9	14.5	104.7	261	5.7 - 6.5
		1.3	9.0	2.1	15.2	109.9	253	5.7 - 6.5
		1.3	10.0	2.2	13.1	94.6	255	6 - 6.4
	1.3	11.0	2.3	11.9	86.6	254	5.8 - 6.4	
	09-May-08	1.6	1.6	0.4	15.9	110.4	247	6 - 6.8
		1.6	2.0	0.7	15.7	109.5	246	5.9 - 6.7
		1.6	3.0	1.8	13.8	98.7	245	5.8 - 6.7
		1.6	4.0	2.0	13.7	99.1	246	5.8 - 6.6
		1.6	5.0	2.3	14.1	103.5	238	5.8 - 6.6
		1.6	6.0	2.1	14.6	105.8	279	5.7 - 6.7
		1.6	7.0	2.2	14.6	106.3	272	5.7 - 6.6
		1.6	8.0	2.8	14.8	109.9	251	5.8 - 6.6
		1.6	9.0	3.0	15.3	113.8	246	5.8 - 6.6
		1.6	10.0	3.0	15.5	114.8	249	5.7 - 6.7
	1.6	11.0	2.8	14.4	105.5	260	6 - 6.7	
1.6	12.0	2.7	12.2	88.7	268	5.6 - 6.5		
SNAP07	25-Jan-08	1.2	1.3	0.3	18.2	125.6	204	6.9
		1.2	2.0	0.7	17.6	122.7	193	6.9
		1.2	3.0	0.9	17.5	121.6	191	6.9
		1.2	4.0	1.0	16.9	118.5	191	6.9
		1.2	5.1	1.1	16.4	115.3	193	6.8
		1.2	6.0	1.4	15.7	111.9	190	6.8
		1.2	7.0	1.7	14.8	105.9	187	6.7
		1.2	8.0	1.8	13.5	96.8	185	6.6
		1.2	9.0	1.8	13.1	94.3	192	6.6
		1.2	10.0	1.9	12.7	91.3	191	6.5
	10-Apr-08	1.6	1.6	0.1	17.5	120.3	233	6.7
		1.6	2.0	0.7	17.1	119.2	221	6.8
		1.6	3.0	1.4	16.6	117.8	214	6.7
		1.6	4.0	1.7	16.4	117.8	211	6.7

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP07 (continued)		1.6	5.0	1.9	16.2	116.9	208	6.7
		1.6	6.0	2.1	15.5	112.1	207	6.7
		1.6	7.0	2.2	14.9	108.4	210	6.7
	10-May-08	1.7	1.7	0.4	14.0	96.9	251	-
		1.7	2.0	1.3	13.5	95.7	243	-
		1.7	3.0	2.2	13.2	95.9	235	-
		1.7	4.0	2.4	13.7	100.6	234	-
		1.7	5.0	2.8	13.7	101.5	236	-
		1.7	6.0	2.9	13.6	100.9	238	-
		1.7	7.0	3.0	13.7	101.5	238	-
		1.7	8.0	3.0	14.0	103.9	237	-
		1.7	9.0	3.1	14.1	104.8	237	-
		1.7	10.0	3.1	13.4	100.6	237	-
		SNAP08	25-Jan-08	1.2	1.3	0.9	17.7	124.4
1.2	2.0			1.7	16.7	119.4	194	7.0
1.2	3.0			3.0	14.3	106.1	184	6.9
1.2	4.0			3.6	13.0	97.8	180	6.8
1.2	5.0			3.6	11.8	89.4	184	6.6
1.2	6.0			3.8	11.1	84.1	185	6.5
1.2	7.0			3.9	9.0	67	188	6.4
1.2	8.0			3.9	9.4	71.1	193	6.3
24-Feb-08	1.5		1.5	1.1	16.2	114	234	5.9
	1.5		2.0	1.6	15.1	107.6	223	5.8
	1.5		3.0	2.8	13.6	100.3	206	5.9
	1.5		4.0	3.7	12.4	93.5	198	5.8
	1.5		5.0	3.8	11.5	87.3	200	6.0
	1.5		6.0	3.8	11.7	89.2	204	6.0
	1.5		7.0	3.8	11.4	85.2	206	5.7
	1.5		8.0	3.8	11.1	84.6	212	5.8
10-Apr-08	1.8		1.8	0.2	17.4	119.6	230	6.8
	1.8		2.0	1.2	17.0	120.4	223	6.7
	1.8		3.0	3.6	15.9	120	210	6.7
	1.8		4.0	3.8	15.9	120.7	210	6.7
	1.8		5.0	3.9	16.0	121.9	210	6.7
	1.8		6.0	4.0	16.0	122.5	211	6.7
	1.8		7.0	4.1	15.7	120.2	212	6.7
	1.8		8.0	4.0	15.6	119.3	215	6.7
10-May-08	1.9		1.9	3.4	16.0	120.2	230	-
	1.9		2.0	3.7	16.1	121.6	230	-
	1.9		3.0	4.0	16.0	122.1	230	-
	1.9		4.0	4.0	16.1	122.9	230	-
	1.9		5.0	4.0	16.2	123.5	230	-
	1.9		6.0	4.0	16.2	123.4	230	-
	1.9		7.0	4.1	16.2	123.6	230	-
	1.9		8.0	4.1	16.2	123.5	230	-
SNAP09	26-Jan-08	1.2	1.2	0.1	17.9	122.5	206	-
		1.2	2.0	0.6	17.1	118.3	193	-
		1.2	3.1	0.9	16.1	112.4	187	-
		1.2	4.0	1.0	15.1	105.8	191	-
		1.2	5.0	1.1	14.8	104.6	195	-
		1.2	6.0	1.1	14.8	104.5	200	-
		1.2	7.0	1.2	14.7	103.9	200	-

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP09 (continued)		1.2	8.0	1.2	14.8	104.5	205	-
		1.2	9.0	1.3	14.5	103	202	-
		1.2	10.0	1.3	14.4	102.3	201	-
		1.2	11.0	1.4	14.1	100.1	202	-
		1.2	12.0	1.5	13.5	96.2	198	-
		1.2	13.0	1.6	13.1	93.6	198	-
		1.2	14.0	1.7	12.6	90.5	198	-
	22-Feb-08	1.4	1.4	0.7	15.2	106.2	237	6.5
		1.4	2.0	0.9	14.7	103	223	6.4
		1.4	3.0	1.3	14.0	98.9	212	6.4
		1.4	4.0	1.3	13.1	92.8	215	6.4
		1.4	5.0	1.4	12.7	90.1	221	6.2
		1.4	6.0	1.4	12.5	88.8	224	6.2
		1.4	7.0	1.4	12.5	88.8	228	6.2
		1.4	8.0	1.3	12.7	90.3	244	6.2
		1.4	9.0	1.4	12.6	89.6	237	6.2
		1.4	10.0	1.6	12.3	87.4	226	6.2
		1.4	11.0	1.6	11.8	84.3	224	6.1
		1.4	12.0	1.7	11.4	81.9	222	6.1
		1.4	13.0	1.8	11.0	78.7	221	6.1
		1.4	14.0	1.9	10.5	75.4	220	6.1
	04-Apr-08	1.7	1.7	1.1	14.4	101.5	248	5.7
		1.7	2.0	1.4	13.3	94.9	232	6.2
		1.7	3.0	1.5	12.4	88.5	228	5.9
		1.7	4.1	1.5	12.5	88.9	231	6.1
		1.7	5.1	1.5	12.4	88.6	231	6.0
		1.7	6.1	1.6	12.2	87.3	230	5.9
		1.7	7.1	1.6	12.0	85.5	229	6.1
		1.7	8.1	1.6	12.1	86.9	235	6.0
		1.7	9.0	1.7	12.0	86.2	234	5.9
		1.7	10.0	1.7	11.6	83.5	232	5.9
		1.7	11.1	1.8	11.2	81	229	5.9
		1.7	12.0	1.9	11.1	80.2	228	5.9
		1.7	13.1	2.0	10.9	78.7	229	6.0
		1.7	14.0	2.1	10.5	76.3	228	5.9
	10-May-08	1.7	1.7	0.9	13.7	96.1	243	-
		1.7	2.0	1.8	13.3	95.2	233	-
		1.7	3.0	1.9	13.0	94	237	-
		1.7	4.0	1.9	12.7	91.9	237	-
		1.7	5.0	1.9	12.7	91.7	238	-
		1.7	6.0	1.9	12.7	91.4	235	-
		1.7	7.0	1.9	12.7	91.9	245	-
1.7		8.0	2.0	12.8	92.3	247	-	
1.7		9.0	2.0	12.6	91.3	247	-	
1.7		10.0	2.1	12.2	88.6	248	-	
1.7		11.0	2.1	12.2	88.4	248	-	
1.7		12.0	2.1	12.0	86.9	252	-	
1.7		13.0	2.3	11.7	85.2	246	-	
1.7		14.0	2.4	11.5	83.8	246	-	
SNAP10	26-Jan-08	1.2	1.2	0.2	19.3	132.8	215	-
		1.2	2.2	0.5	18.7	129.9	206	-
		1.2	3.2	0.8	18.0	125.9	200	-
		1.2	4.2	1.0	17.7	124.5	211	-

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP10 (continued)	03-Apr-08	1.6	1.6	0.5	15.1	104.8	229	6.5	
		1.6	2.0	0.9	15.0	105.2	221	6.6	
		1.6	2.5	1.2	14.9	105.4	218	6.6	
		1.6	3.0	1.4	14.8	105.5	216	6.4	
		1.6	3.5	1.5	14.8	105.4	217	6.4	
		1.6	3.5	1.5	14.8	105.2	217	6.4	
		1.6	3.5	1.5	14.8	105.2	217	6.4	
		1.6	4.0	1.5	15.2	108.4	231	6.8	
		1.6	4.0	1.5	15.2	108.2	231	6.8	
		1.6	4.5	1.6	15.1	108.4	243	6.6	
	09-May-08	1.9	1.9	1.3	17.8	118.9	227	-	
		1.9	2.0	1.4	16.5	117.5	226	-	
		1.9	3.0	1.8	16.3	117.3	226	-	
		1.9	4.0	2.1	16.9	122.5	240	-	
		1.9	5.0	2.7	16.6	122.5	242	-	
	SNAP11A	24-Feb-08	1.4	1.4	0.5	15.3	105.8	221	6.3
			1.4	2.0	0.9	14.9	104.6	208	6.4
			1.4	3.0	1.2	14.5	102.8	204	6.3
			1.4	4.0	1.3	13.8	98.2	202	6.3
1.4			5.0	1.3	13.5	95.5	205	6.1	
1.4			6.0	1.4	12.9	91.9	210	6.1	
1.4			7.0	1.4	12.8	90.8	210	6.1	
1.4			8.0	1.5	12.6	89.5	212	6.0	
1.4			9.0	1.5	12.5	89	215	6.1	
1.4			10.0	1.6	12.4	88.7	215	6.1	
1.4			11.0	1.6	12.1	86.7	215	6.0	
1.4			12.0	1.7	11.6	83.5	216	6.0	
1.4			13.0	1.8	11.4	81.7	217	6.0	
05-Apr-08			1.4	1.5	0.5	13.9	96.7	233	6.5
		1.4	2.0	1.1	13.5	95.2	216	6.3	
		1.4	3.0	1.4	12.5	89.2	213	6.3	
		1.4	4.0	1.5	11.9	85.1	220	6.2	
		1.4	5.0	1.5	11.9	84.8	228	6.1	
		1.4	6.0	1.5	12.1	86.6	240	6.2	
		1.4	7.0	1.5	12.4	88.4	245	6.2	
		1.4	8.0	1.5	12.5	89.2	249	6.2	
		1.4	9.0	1.5	12.8	91.2	252	6.2	
		1.4	10.0	1.6	12.6	90.4	246	6.2	
		1.4	11.0	1.7	12.2	87.8	240	6.2	
		1.4	12.0	1.8	12.2	87.6	244	6.2	
09-May-08		1.8	1.8	1.6	12.4	88.5	236	-	
		1.8	2.0	1.6	12.4	88.7	234	-	
		1.8	3.0	1.9	12.3	88.5	234	-	
		1.8	4.0	1.9	12.1	87.3	245	-	
		1.8	5.0	1.9	12.0	86.3	257	-	
		1.8	6.0	1.9	11.9	85.8	257	-	
		1.8	7.0	2.0	11.9	85.7	255	-	
		1.8	8.0	2.0	11.9	85.7	254	-	
	1.8	9.0	2.0	11.9	86.4	260	-		
	1.8	10.0	2.1	11.8	85.7	253	-		
	1.8	11.0	2.3	11.6	84.3	248	-		
	1.8	12.0	2.1	11.4	83.2	266	-		

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP11A (continued)		1.8	13.0	2.2	11.4	83.1	269	-
		1.8	14.0	2.3	11.4	82.9	265	-
		1.8	15.0	2.3	10.4	75.6	266	-
		1.8	16.0	2.4	9.6	70.2	266	-
SNAP12	22-Jan-08	1.1	1.1	0.1	16.8	115.6	206	6.9
		1.1	2.0	0.4	15.8	108.8	191	6.9
		1.1	3.0	0.6	15.0	104.4	191	6.9
		1.1	4.0	0.8	15.2	106.4	225	6.9
		1.1	5.0	0.9	15.2	106.4	233	6.9
		1.1	6.0	0.9	15.1	106	241	6.9
		1.1	7.0	1.0	15.2	106.7	247	6.9
	22-Feb-08	1.4	1.4	0.8	15.3	107.3	238	6.5
		1.4	2.0	1.0	15.0	105.4	220	6.5
		1.4	3.0	1.1	14.5	102	233	6.5
		1.4	4.0	1.1	14.2	100.5	267	6.5
		1.4	5.0	1.1	14.3	100.6	274	6.4
		1.4	6.0	1.1	14.2	100.4	281	6.4
		1.4	7.0	1.2	14.3	101.2	286	6.4
	27-Mar-08	1.6	1.6	0.4	14.3	98.9	238	6.2
		1.6	2.0	1.1	13.5	95.2	229	6.3
		1.6	3.0	1.2	13.5	95.4	254	6.3
		1.6	4.0	1.2	13.5	95.5	277	6.1
		1.6	5.0	1.2	13.5	95.7	283	6.1
		1.6	6.0	1.2	13.5	95.6	287	6.2
		1.6	7.0	1.2	13.5	95.6	291	6.1
	09-May-08	1.7	1.7	0.9	13.5	94.7	248	-
		1.7	2.0	1.7	12.8	91.4	248	-
		1.7	3.0	1.5	12.9	92.4	308	-
		1.7	4.0	1.5	13.2	94.2	317	-
		1.7	5.0	1.5	13.2	94.4	320	-
		1.7	6.0	1.6	13.2	94.4	324	-
		1.7	7.0	1.7	13.1	94.2	324	-
SNAP14	24-Jan-08	1.0	1.0	0.1	16.8	115.3	210	6.8
		1.0	2.0	0.2	16.5	113.5	198	6.8
		1.0	3.0	0.9	15.7	109.9	239	6.8
		1.0	4.0	0.9	15.4	108.2	244	6.8
		1.0	5.0	1.0	15.2	107	249	6.8
		1.0	6.0	1.0	15.1	106.4	254	6.8
		1.0	7.0	1.0	15.1	106	257	6.8
		1.0	8.0	1.0	15.1	106.3	258	6.8
		1.0	9.0	1.0	15.1	106.3	258	6.8
		1.0	10.0	1.0	15.0	105.9	259	6.8
		1.0	11.0	1.3	14.0	99	249	6.8
		1.0	12.0	1.5	13.2	94	245	6.7
		1.0	13.0	1.8	10.6	76	239	6.4
	20-Feb-08	1.3	1.3	0.4	17.1	118.4	245	6.4
		1.3	2.0	0.9	16.3	114.8	223	6.4
		1.3	3.0	1.1	16.1	113.2	264	6.4
		1.3	4.0	1.1	16.0	112.4	273	6.4
		1.3	5.0	1.1	15.9	112.3	280	6.4
		1.3	6.0	1.1	15.9	112.1	286	6.4
		1.3	7.0	1.1	15.8	111.5	287	6.4

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP14 (continued)		1.3	8.0	1.1	15.7	110.7	287	6.4
		1.3	9.0	1.1	15.5	109.2	287	6.4
		1.3	10.0	1.1	15.5	109.1	288	6.3
		1.3	11.0	1.4	14.9	105.8	277	6.3
		1.3	12.0	1.6	13.8	99	272	6.1
		1.3	13.0	2.0	12.1	87.8	264	6.0
		1.3	13.0	2.0	10.8	78.1	264	6.0
	09-Apr-08	1.4	1.4	0.2	17.1	117.6	262	6.7
		1.4	2.0	0.2	16.2	113	240	6.7
		1.4	3.0	1.0	15.9	112.2	289	6.7
		1.4	4.0	1.1	15.9	112	298	6.7
		1.4	5.0	1.1	15.8	111.7	301	6.7
		1.4	6.0	1.2	15.8	111.1	308	6.7
		1.4	6.5	1.2	15.1	107.2	310	6.7
		1.4	7.0	1.1	15.7	110.7	310	6.8
		1.4	8.0	1.1	15.6	110.1	310	6.8
		1.4	9.0	1.1	15.6	110.1	310	6.8
		1.4	10.0	1.1	15.6	110.2	310	6.8
		1.4	11.0	1.4	14.5	103.2	300	6.8
		1.4	12.0	1.6	13.8	99.1	293	6.8
	09-May-08	1.7	1.7	0.8	13.3	92.8	250	-
		1.7	2.0	1.4	13.0	92.4	253	-
		1.7	3.0	1.5	13.0	92.5	317	-
		1.7	4.0	1.5	13.2	94.3	319	-
		1.7	5.0	1.5	13.3	94.9	321	-
		1.7	6.0	1.5	13.3	95.1	325	-
		1.7	7.0	1.6	13.3	95.1	326	-
		1.7	8.0	1.6	13.3	95	327	-
		1.7	9.0	1.6	13.3	94.9	327	-
		1.7	10.0	1.6	13.3	94.9	328	-
		1.7	11.0	1.6	13.3	94.9	328	-
		1.7	12.0	1.7	12.8	991.8	324	-
		1.7	13.0	2.2	11.9	86.3	306	-
SNAP17	05-Apr-08	1.7	1.7	0.9	13.4	94.2	226	6.5
		1.7	2.1	1.2	13.3	93.8	217	6.4
		1.7	3.0	1.5	12.2	86.7	213	6.3
		1.7	4.1	1.5	12.0	85.8	227	6.5
		1.7	5.0	1.5	12.1	86.3	235	6.2
		1.7	6.0	1.5	12.4	88	246	6.2
		1.7	7.1	1.5	12.4	88.7	247	6.2
		1.7	8.1	1.5	12.4	88.8	246	6.2
		1.7	9.1	1.6	12.4	88.8	244	6.2
		SNAP18	07-Apr-08	1.7	1.9	1.2	13.6	96.2
1.7	3.0			1.5	12.8	91.6	216	6.4
1.7	4.1			1.6	11.8	84.3	224	6.2
1.7	5.1			1.6	11.8	84.1	232	6.3
1.7	6.0			1.6	11.9	85.4	235	6.6
1.7	7.1			1.6	11.8	84.4	236	6.2
1.7	8.0			1.7	11.7	83.6	235	6.3
1.7	9.0			1.8	11.9	85.4	236	6.3
1.7	11.1			1.9	11.7	84.2	238	6.3
1.7	12.0			2.0	2.6	18.9	229	6.1

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP19	07-Apr-08	1.9	1.9	1.2	13.1	93	236	6.0 - 6.5	
		1.9	2.1	1.3	13.0	91.9	225	6.0 - 6.5	
		1.9	3.1	1.5	12.2	86.7	223	6.0 - 6.5	
		1.9	4.1	1.5	12.1	86	228	6.0 - 6.5	
		1.9	5.0	1.5	11.9	85.2	227	6.0 - 6.5	
		1.9	6.0	1.6	11.7	83.6	227	6.0 - 6.5	
		1.9	8.1	1.7	12.2	87.6	231	6.0 - 6.5	
		1.9	9.0	1.7	11.5	82.5	232	6.0 - 6.5	
		1.9	10.1	1.8	11.2	80.9	232	6.0 - 6.5	
SNAP20	15-Apr-08	1.7	1.7	0.1	17.1	117.3	39	6.6	
		1.7	2.0	0.7	16.2	113.2	37	6.5	
		1.7	3.0	1.2	14.9	105.4	33	6.4	
		1.7	4.0	1.3	13.8	98.1	34	6.4	
		1.7	5.0	1.4	13.6	96.4	34	6.3	
		1.7	6.0	1.4	13.4	95.6	34	6.3	
		1.7	7.0	1.4	13.5	95.9	34	6.3	
		1.7	8.0	1.4	13.5	96	34	6.3	
		1.7	9.0	1.4	13.5	95.7	34	6.2	
		1.7	10.0	1.4	13.6	96.5	34	6.2	
		1.7	11.0	1.5	13.7	97.4	34	6.2	
		1.7	12.0	1.5	13.6	97	34	6.2	
		1.7	13.0	1.5	13.6	97.1	34	6.2	
SNAP20B	19-Feb-08	1.0	1.0	1.0	18.0	126.2	44	6.5	
		1.0	2.0	0.8	15.8	110.6	35	6.5	
		1.0	3.0	1.1	14.7	103.6	32	6.5	
		1.0	4.0	1.2	13.6	96.3	32	6.4	
		1.0	5.0	1.2	13.3	94.1	32	6.4	
		1.0	6.0	1.2	13.1	92.9	32	6.3	
		1.0	8.0	1.3	13.0	92.3	32	6.3	
		1.0	9.0	1.3	13.0	92.3	32	6.3	
		1.0	11.0	1.3	13.0	92.1	33	6.3	
		1.0	12.0	1.3	13.1	92.7	33	6.3	
		1.0	14.0	1.3	13.0	92.1	33	6.4	
		1.0	15.0	1.3	12.9	91.5	33	6.3	
		1.0	16.0	1.3	12.9	91.3	33	6.3	
		1.0	16.0	1.3	12.8	90.9	33	6.3	
		1.0	17.0	1.3	12.8	90.8	33	6.2	
		1.0	18.0	1.4	12.8	90.7	33	6.2	
		1.0	19.0	1.4	12.6	89.6	33	6.2	
		1.0	20.0	1.4	12.5	88.9	33	6.1	
		1.0	21.0	1.4	12.5	88.6	33	6.1	
		1.0	22.0	1.4	12.4	88.1	32	6.1	
		1.0	23.0	1.4	12.1	86.2	32	6.1	
		1.0	24.0	1.4	12.0	85	32	6.1	
		1.0	25.0	1.4	11.9	84.5	33	6.1	
		1.0	26.0	1.4	12.1	85.9	33	6.1	
		1.0	27.0	1.4	11.9	84.9	32	6.0	
		1.0	28.0	1.4	11.7	83.4	32	6.0	
		1.0	29.0	1.4	11.5	82.1	32	6.0	
		12-Apr-08	1.3	1.3	0.5	18.7	130	43	6.6
			1.3	2.0	0.8	18.3	127.9	38	6.5
	1.3		3.0	1.3	15.3	107.5	33	6.4	
	1.3		4.0	1.4	14.4	101.9	34	6.4	

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH		
SNAP20B (continued)		1.3	5.0	1.4	14.0	99.2	34	6.4		
		1.3	6.0	1.4	13.9	98.9	34	6.3		
		1.3	7.0	1.4	13.9	98.8	34	6.3		
		1.3	8.0	1.4	13.8	98.1	34	6.3		
		1.3	9.0	1.4	13.9	99	34	6.3		
		1.3	10.0	1.4	14.1	100.2	34	6.3		
		1.3	11.0	1.4	14.0	99.3	35	6.3		
		1.3	12.0	1.5	14.0	99.4	34	6.3		
		1.3	13.0	1.5	14.0	99.9	35	6.3		
		1.3	14.0	1.5	13.9	99.2	35	6.3		
		1.3	15.0	1.5	13.8	97.8	34	6.2		
		1.3	16.0	1.5	13.6	96.6	34	6.2		
		1.3	17.0	1.5	13.5	96.1	35	6.2		
		1.3	18.0	1.5	13.7	97.7	35	6.2		
		1.3	19.0	1.5	13.8	98	35	6.2		
		1.3	20.0	1.5	13.9	99.1	35	6.2		
		1.3	21.0	1.5	13.7	97.8	35	6.2		
		1.3	22.0	1.5	13.8	98.3	35	6.2		
		1.3	23.0	1.5	13.4	95.5	35	6.2		
		1.3	24.0	1.5	13.5	96.3	35	6.2		
		1.3	25.0	1.5	13.2	93.8	35	6.2		
		1.3	26.0	1.5	13.2	94.2	35	6.2		
		1.3	27.0	1.5	13.3	94.6	35	6.2		
		1.3	28.0	1.5	13.3	94.5	35	6.2		
		1.3	29.0	1.5	13.1	93.7	35	6.2		
		1.3	30.0	1.5	13.0	92.6	35	6.2		
			10-May-08	1.3	1.3	0.6	16.6	115.3	39	-
				1.3	2.0	1.4	14.6	103.4	35	-
				1.3	3.0	1.6	13.9	99.4	34	-
				1.3	4.0	1.6	13.7	97.8	35	-
1.3	5.0			1.7	13.7	97.9	35	-		
1.3	6.0			1.7	13.7	97.8	35	-		
1.3	7.0			1.7	13.6	97.7	35	-		
1.3	8.0			1.7	13.4	95.6	35	-		
1.3	9.0			1.7	13.4	96.2	35	-		
1.3	10.0			1.7	13.5	96.7	35	-		
1.3	11.0			1.7	13.4	96.3	35	-		
1.3	12.0			1.7	13.5	96.6	35	-		
1.3	13.0			1.7	13.5	96.4	35	-		
1.3	14.0			1.7	13.5	96.6	35	-		
1.3	15.0			1.7	13.6	97.6	35	-		
1.3	16.0			1.7	13.5	96.8	35	-		
1.3	17.0			1.7	13.5	97	35	-		
1.3	18.0			1.8	13.6	97.4	35	-		
1.3	19.0			1.8	13.5	96.6	35	-		
1.3	20.0			1.8	13.5	96.6	35	-		
1.3	21.0	1.8	13.5	96.9	35	-				
1.3	22.0	1.8	13.5	97.3	35	-				
1.3	23.0	1.8	13.5	97.1	35	-				
1.3	24.0	1.8	13.5	97	35	-				
1.3	25.0	1.8	13.5	96.9	35	-				
1.3	26.0	1.8	13.5	96.8	34	-				
1.3	27.0	1.8	13.5	97	34	-				

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNAP20B (continued)		1.3	28.0	1.8	13.5	96.7	34	-
		1.3	29.0	1.8	13.5	96.8	35	-
		1.3	30.0	1.8	13.4	96.5	34	-
		1.3	31.0	1.8	13.4	96.1	34	-
SNAP23	12-Apr-08	2.0	1.8	0.3	18.9	130.5	100	6 - 6.1
		2.0	2.0	0.8	18.6	130.4	98	6.1 - 6.4
		2.0	3.0	2.1	18.1	124.8	92	6.2 - 6.5
		2.0	4.0	2.4	17.0	124.1	90	6.1 - 6.4
		2.0	5.0	2.6	14.3	105.5	89	5.9 - 6.3
		2.0	6.0	2.9	12.2	88.9	90	5.9 - 6.3
		2.0	7.0	3.0	6.5	47	95	5.8 - 6
		2.0	8.0	3.1	5.6	42.9	97	5.6 - 6
		2.0	9.0	3.2	6.3	47.6	101	5.6 - 6
		2.0	10.0	3.3	7.9	55.2	105	5.6 - 6.1
	2.0	11.0	3.3	8.8	66.8	109	5.7 - 6.1	
	10-May-08	1.9	1.9	2.0	15.2	110.2	82	-
		1.9	2.0	2.7	14.7	107.7	89	-
		1.9	3.0	3.7	14.4	108.5	94	-
		1.9	4.0	6.8	14.3	108.1	96	-
		1.9	5.0	4.0	14.2	108.5	95	-
		1.9	6.0	3.9	12.9	97.4	102	-
		1.9	7.0	3.7	11.7	88.8	107	-
		1.9	8.0	3.8	11.1	83.2	110	-
		1.9	9.0	3.7	10.3	77.9	112	-
1.9		10.0	3.8	10.3	78.1	113	-	
SNAP26	23-Jan-08	0.9	1.0	0.7	17.0	118.2	216	6.9
		0.9	2.0	0.9	16.7	117.1	207	6.9
		0.9	3.0	1.1	15.6	109.8	205	6.9
		0.9	4.0	1.5	14.6	103.7	212	6.7
		0.9	5.0	2.4	5.7	41.4	217	6.5
	16-Apr-08	1.5	1.5	0.4	16.9	117.1	272	-
		1.5	2.0	0.8	16.7	116.6	264	-
		1.5	3.0	1.2	15.7	110.8	260	-
		1.5	4.0	1.6	15.1	108.6	263	-
	09-May-08	1.5	5.0	2.5	10.9	76.9	254	-
-		1.0	0.5	13.8	96.1	271	-	
-		2.0	1.5	13.4	95.7	275	-	
-		3.0	1.9	13.2	95	285	-	
-		4.0	2.8	12.8	94.9	275	-	
SNAP28	05-Apr-08	1.2	1.3	0.9	15.1	105.9	241	6.6
		1.2	2.1	1.0	15.2	107.1	244	6.4
		1.2	3.1	1.3	15.0	106.3	276	6.3
		1.2	4.0	1.3	15.2	107.9	299	6.3
		1.2	5.1	1.3	15.3	108.7	301	6.3
		1.2	6.1	1.3	15.6	110.4	302	6.3
SNAP29	21-Jan-08	1.1	1.1	0.8	18.1	126.6	96	6.7
		1.1	2.1	1.1	18.0	127.2	85	6.7
		1.1	3.1	1.4	16.1	125.4	82	6.7
		1.1	4.1	1.5	14.2	119.5	84	6.6

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNAP29 (continued)	20-Feb-08	1.1	5.1	1.8	14.2	116.7	87	6.5	
		1.1	6.1	2.2	14.5	82.4	94	6.3	
		1.1	6.5	2.4	6.8	50.1	94	6.1	
		1.3	1.3	0.2	19.6	134.3	119	6.5	
		1.3	2.0	0.7	18.7	130.4	103	6.4	
		1.3	3.0	1.2	17.8	125.9	97	6.4	
		1.3	4.0	1.6	15.1	108.1	100	6.2	
		1.3	5.0	1.9	14.5	104.8	96	6.1	
		1.3	6.0	2.3	8.9	65	100	5.9	
		1.3	6.0	2.3	8.8	64.4	100	5.9	
	29-Mar-08	1.5	1.5	0.4	17.5	120.8	120	6.6	
		1.5	2.0	0.9	16.8	118	108	6.4	
		1.5	3.0	1.6	15.8	112.7	108	6.3	
		1.5	4.0	1.9	14.4	104.1	104	6.2	
		1.5	5.0	2.2	14.1	102.7	101	5.8	
		1.5	6.0	2.7	7.2	52.7	100	5.8	
	10-May-08	1.8	1.8	1.2	15.9	112.3	116	-	
		1.8	2.0	2.1	15.5	112.7	109	-	
		1.8	3.0	3.1	15.2	115.9	103	-	
		1.8	4.0	3.5	15.9	119.9	101	-	
		1.8	5.0	3.8	16.2	122.8	100	-	
		1.8	6.0	3.7	14.1	106.9	103	-	
		1.8	7.0	3.6	9.8	74.2	111	-	
	SNP 02-20d	23-Jan-08	1.1	1.4	0.6	15.7	109.1	198	7.0
			1.1	2.0	0.9	15.4	107.7	190	7.0
			1.1	3.0	0.9	15.4	108.2	235	6.9
			1.1	4.0	0.9	15.5	108.8	239	6.9
			1.1	5.1	1.0	15.5	108.8	241	6.9
1.1			6.0	1.0	15.5	108.9	247	6.9	
1.1			7.0	1.0	15.4	108.2	248	6.9	
1.1			8.0	1.0	15.1	106	248	6.9	
1.1			9.0	1.0	15.0	105.5	249	6.9	
1.1			10.0	1.0	15.0	105.6	249	6.9	
1.1			11.0	1.1	14.9	105	249	6.9	
19-Feb-08		1.4	1.4	1.4	18.1	128.6	223	6.8	
		1.4	1.4	0.7	16.2	113.1	227	6.8	
		1.4	1.4	0.9	15.5	108.5	226	6.7	
		1.4	2.0	1.0	15.3	107.9	207	6.7	
		1.4	3.0	1.0	14.8	104.5	255	6.7	
		1.4	3.0	1.0	14.9	104.8	255	6.7	
		1.4	4.0	1.0	14.9	105.2	260	6.7	
		1.4	5.0	1.0	14.9	105.2	264	6.7	
		1.4	6.0	1.1	14.9	104.9	268	6.7	
		1.4	7.0	1.1	14.8	104.6	271	6.7	
		1.4	8.0	1.1	14.8	104.5	272	6.7	
		1.4	9.0	1.1	14.8	104.1	272	6.6	
1.4		10.0	1.1	14.8	104.1	272	6.6		
1.4		11.0	1.2	14.5	102.7	271	6.6		
13-Mar-08		1.5	2.0	1.6	15.1	107.6	223	5.8	
		1.5	3.0	2.8	13.6	100.3	206	5.9	
		1.5	4.0	3.7	12.4	93.5	198	5.8	
		1.5	5.0	3.8	11.5	87.3	200	6.0	
		1.5	6.0	3.8	11.7	89.2	204	6.0	

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
SNP 02-20d (continued)		1.5	7.0	3.8	11.4	85.2	206	5.7	
		1.5	8.0	3.8	11.1	84.6	212	5.8	
		1.4	7.0	1.1	14.2	100.5	152	6.2	
		1.4	8.0	1.2	13.9	98.1	153	6.5	
		1.4	9.0	1.2	13.9	98.1	154	6.4	
		1.4	10.0	1.2	13.9	97.9	154	6.5	
		1.4	11.0	1.2	13.9	98	154	6.3	
	06-Apr-08	1.6	1.6	0.6	14.8	103.1	248	6.2	
		1.6	2.0	1.0	14.4	101	230	6.1	
		1.6	3.0	1.2	14.6	103.1	288	6.3	
		1.6	4.0	1.2	14.7	104	291	6.3	
		1.6	5.0	1.2	14.7	103.9	291	6.3	
		1.6	6.0	1.2	14.6	103.4	293	6.4	
		1.6	7.0	1.2	14.5	102.7	297	6.4	
		1.6	8.0	1.2	14.4	102.3	298	6.4	
		1.6	9.0	1.2	14.4	101.9	299	6.4	
		1.6	10.0	1.2	14.4	102	299	6.4	
		1.6	11.0	1.2	14.4	101.8	300	6.4	
	08-May-08	1.6	1.6	0.5	15.0	110.8	-	6.3	
		1.6	2.0	1.0	15.4	107.4	-	6.7	
		1.6	3.0	1.4	15.0	106.8	-	5.9 - 6.8	
		1.6	4.0	1.4	15.1	107.7	-	5.9 - 6.7	
		1.6	5.0	1.4	15.1	107.7	-	5.9 - 6.8	
		1.6	6.0	1.4	15.1	107.5	-	5.9 - 6.8	
		1.6	7.0	1.5	15.1	107.1	-	5.9 - 6.7	
		1.6	8.0	1.5	15.0	107.1	-	5.9 - 6.8	
		1.6	9.0	1.5	14.9	106.5	-	5.9 - 6.8	
		1.6	10.0	1.5	14.9	106.5	-	5.9 - 6.8	
		1.6	11.0	1.5	15.0	107	-	6 - 6.7	
	09-May-08	1.6	1.6	1.0	15.5	109.3	252	-	
		1.6	2.0	1.7	14.6	104.4	248	-	
		1.6	3.0	1.6	14.7	106	315	-	
		1.6	4.0	1.5	15.1	107.7	314	-	
		1.6	5.0	1.5	15.1	107.5	318	-	
		1.6	6.0	1.5	15.1	107.4	319	-	
		1.6	7.0	1.5	15.0	107.2	322	-	
		1.6	8.0	1.5	15.0	107.1	322	-	
		1.6	9.0	1.5	15.0	107	323	-	
		1.6	10.0	1.5	14.9	106.7	323	-	
		1.6	11.0	1.5	14.9	106.5	322	-	
			1.6	12.0	1.6	5.6	37.1	294	-
	SNP 02-20e	22-Jan-08	1.0	1.0	1.4	16.8	119.4	208	7.1
1.0			2.0	1.3	16.4	117	194	7.1	
1.0			3.0	1.2	16.1	113.8	213	7.0	
1.0			4.0	1.1	16.0	113.4	229	7.0	
1.0			5.0	1.2	16.0	113.3	241	7.0	
1.0			6.0	1.1	16.0	113.1	246	7.0	
1.0			7.0	1.1	15.9	111.8	247	7.0	
1.0			8.0	1.1	15.7	110.9	246	7.0	
1.0			9.0	1.1	15.6	109.7	245	7.0	
1.0			10.0	1.1	15.5	109.5	247	7.0	
1.0			11.0	1.1	15.4	108.3	245	6.9	
1.0			12.0	1.1	15.1	106.3	240	6.9	

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH		
SNP 02-20e (continued)		1.0	13.0	1.2	14.7	104.5	237	6.9		
		1.0	14.0	1.3	14.1	100.2	236	6.8		
		1.0	15.0	1.3	13.9	98.2	237	6.8		
		1.0	16.0	1.3	13.8	97.8	242	6.8		
		1.0	17.0	1.3	13.7	97.5	244	6.8		
		1.0	18.0	1.3	13.5	95.8	244	6.8		
		1.0	19.0	1.3	13.4	94.8	244	6.8		
		1.0	20.0	1.4	13.2	93.8	244	6.7		
		1.0	21.0	1.4	13.1	93.4	245	6.7		
		1.0	22.0	1.4	12.9	91.3	245	6.7		
		1.0	23.0	1.4	12.8	90.7	245	6.7		
		1.0	24.0	1.4	12.5	88.7	246	6.7		
		1.0	25.0	1.4	12.1	86.2	247	6.6		
		1.0	26.0	1.5	11.4	81	247	6.6		
		1.0	27.0	1.5	10.2	72.7	247	6.5		
		1.0	28.0	1.5	8.7	69	249	6.5		
		1.0	29.0	1.6	6.7	46.1	240	6.3		
		17-Feb-08		1.1	11.7	1.1	15.2	107	269	6.5
				1.1	1.1	0.5	15.6	108	234	6.4
				1.1	2.0	0.9	15.5	108.8	222	6.6
1.1	3.0			1.0	14.9	105	245	6.6		
1.1	4.0			1.0	14.7	103.7	254	6.5		
1.1	5.0			1.0	14.7	103.3	266	6.5		
1.1	6.0			1.1	14.6	103	267	6.5		
1.1	7.0			1.1	14.6	102.8	268	6.5		
1.1	8.0			1.1	14.5	102.3	267	6.5		
1.1	9.0			1.1	14.5	102	268	6.5		
1.1	10.0			1.1	14.4	101.8	269	6.5		
1.1	11.0			1.1	14.4	101.9	269	6.5		
1.1	12.0			1.1	14.4	101.7	269	6.6		
1.1	13.0			1.2	14.2	100.8	259	6.6		
1.1	14.0			1.3	13.9	98.7	262	6.5		
1.1	15.0			1.3	13.7	97.2	266	6.5		
1.1	16.0			1.3	13.5	95.8	272	6.5		
1.1	17.0			1.3	13.4	95.4	273	6.5		
1.1	18.0			1.3	13.4	95.2	273	6.5		
1.1	19.0			1.3	13.3	94.3	271	6.5		
1.1	20.0	1.4	13.1	92.9	271	6.5				
1.1	21.0	1.4	12.8	91	270	6.5				
1.1	22.0	1.4	12.6	89.6	270	6.4				
1.1	23.0	1.4	12.3	87.8	269	6.4				
1.1	24.0	1.5	12.1	86.1	268	6.4				
1.1	25.0	1.5	11.7	83.4	268	6.3				
1.1	26.0	1.5	11.2	79.9	268	6.3				
1.1	27.0	1.6	10.6	75.7	269	6.2				
1.1	28.0	1.6	10.2	73	271	6.2				
13-Mar-08		1.3	0.2	0.5	13.8	95.6	130	6.4		
		1.3	1.0	0.2	14.5	100	132	6.4		
		1.3	2.0	0.8	14.9	104.4	123	6.3		
		1.3	3.0	1.1	14.9	105.1	141	6.4		
		1.3	4.0	1.1	14.9	105.4	145	6.2		
		1.3	5.0	1.1	15.0	106.3	150	6.2		
		1.3	6.0	1.1	15.1	106.4	151	6.3		

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH		
SNP 02-20e (continued)		1.3	7.0	1.2	14.9	105.5	151	6.4		
		1.3	8.0	1.2	14.8	104.6	152	6.3		
		1.3	9.0	1.2	14.7	103.6	152	6.4		
		1.3	10.0	1.2	14.4	102.1	152	6.3		
		1.3	11.0	1.2	14.3	101.2	153	6.3		
		1.3	12.0	1.2	14.1	99.8	152	6.3		
		1.3	13.0	1.3	13.8	97.2	149	6.3		
		1.3	14.0	1.4	13.3	94.5	147	6.3		
		1.3	15.0	1.3	13.1	92.7	154	6.3		
		1.3	16.0	1.3	13.0	92.3	154	6.2		
		1.3	17.0	1.4	12.8	91.2	154	6.2		
		1.3	18.0	1.3	13.0	92.1	156	6.2		
		1.3	19.0	1.4	12.9	91.9	155	6.2		
		1.3	20.0	1.4	12.9	91.3	155	6.2		
		1.3	21.0	1.4	12.6	89.8	154	6.2		
		1.3	22.0	1.4	12.3	87.5	153	6.2		
		1.3	23.0	1.5	11.9	84.6	153	6.2		
		1.3	24.0	1.5	11.3	80.8	152	6.1		
		1.3	25.0	1.5	11.0	78.1	153	6.1		
		1.3	26.0	1.5	10.8	77.1	153	6.0		
		1.3	27.0	1.6	10.1	72.2	153	6.1		
		1.3	28.0	1.6	9.8	70.4	154	6.0		
		07-Apr-08		1.3	1.3	2.1	14.3	103.7	266	6.5
				1.3	2.0	1.4	14.5	103.6	250	6.4
				1.3	3.0	1.4	14.4	102.3	262	6.3
				1.3	4.0	1.4	14.6	103.6	284	6.4
				1.3	5.0	1.3	14.5	102.7	287	6.4
				1.3	6.0	1.3	14.4	102.1	297	6.4
1.3	7.0			1.3	14.2	100.8	297	6.4		
1.3	8.0			1.3	14.0	99.2	297	6.4		
1.3	9.0			1.3	13.9	98.9	298	6.4		
1.3	10.0			1.3	13.9	98.8	299	6.4		
1.3	11.0			1.3	13.9	98.6	300	6.4		
1.3	12.0			1.3	13.8	97.6	295	6.4		
1.3	13.0			1.4	13.3	94.9	287	6.4		
1.3	14.0			1.4	13.2	94.2	294	6.3		
1.3	15.0			1.4	13.4	95.1	301	6.4		
1.3	16.0			1.4	13.3	94.8	300	6.4		
1.3	17.0			1.4	13.3	94.5	301	6.4		
1.3	18.0			1.4	13.4	95	303	6.4		
1.3	19.0			1.4	13.2	93.7	302	6.4		
1.3	20.0			1.4	13.1	93.3	301	6.3		
1.3	21.0			1.4	13.1	92.9	301	6.3		
1.3	22.0			1.4	13.1	93.1	303	6.3		
1.3	23.0			1.4	13.0	92.7	302	6.4		
1.3	24.0			1.5	12.7	90.6	301	6.3		
1.3	25.0			1.5	12.6	89.9	300	6.3		
1.3	26.0			1.5	11.7	83.3	298	6.3		
1.3	27.0			1.5	11.3	80.5	297	6.2		
1.3	28.0			1.6	9.8	70	297	6.1		
11-May-08		1.4	1.4	1.1	15.2	107.3	248	-		
		1.4	2.0	1.3	15.1	107.2	261	-		
		1.4	3.0	1.7	14.5	104.1	284	-		

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20e (continued)		1.4	4.0	1.5	14.6	104.3	316	-
		1.4	5.0	1.6	14.8	106	318	-
		1.4	6.0	1.5	14.9	106.6	318	-
		1.4	7.0	1.6	15.0	107	317	-
		1.4	8.0	1.6	15.0	107	317	-
		1.4	9.0	1.6	14.9	107	315	-
		1.4	10.0	1.7	14.9	107	310	-
		1.4	11.0	1.8	14.9	107.1	308	-
		1.4	12.0	1.8	14.9	107.3	304	-
		1.4	13.0	1.9	14.8	106.9	303	-
		1.4	14.0	1.8	14.9	107.2	316	-
		1.4	15.0	1.8	14.8	106.7	314	-
		1.4	16.0	1.9	14.7	106.1	312	-
		1.4	17.0	1.9	14.7	105.8	312	-
		1.4	18.0	1.9	14.7	105.7	313	-
		1.4	19.0	1.9	14.7	105.8	312	-
		1.4	20.0	1.9	14.6	105.2	313	-
		1.4	21.0	1.9	14.5	104.6	315	-
		1.4	22.0	1.9	14.5	104.4	315	-
		1.4	23.0	1.9	14.5	104.3	314	-
1.4	24.0	1.9	14.5	104.4	313	-		
1.4	25.0	1.9	14.5	104.8	314	-		
1.4	26.0	1.9	14.5	104.4	316	-		
1.4	27.0	1.9	14.4	103.8	317	-		
1.4	28.0	1.9	1.1	8.2	318	-		
SNP 02-20f	24-Jan-08	1.1	1.1	0.3	16.8	115.8	208	6.8
		1.1	2.0	0.7	16.5	114.9	196	6.8
		1.1	3.0	0.9	16.5	115.9	227	6.8
		1.1	4.0	0.9	16.8	118.2	243	6.8
		1.1	5.0	0.9	16.8	118.1	248	6.8
		1.1	6.0	1.0	16.8	118.1	254	6.8
		1.1	7.0	1.0	16.4	115.2	255	6.8
		1.1	8.0	1.0	15.9	111.9	256	6.8
		1.1	9.0	1.0	15.7	110.4	258	6.8
		1.1	10.0	1.0	15.9	112.2	260	6.8
		1.1	11.0	1.0	15.5	109.4	261	6.8
		1.1	12.0	1.1	15.0	105.8	259	6.8
		1.1	13.0	1.2	14.7	103.7	256	6.8
		1.1	14.0	1.4	13.5	96.2	248	6.7
	20-Feb-08	1.3	1.3	0.5	17.5	121.3	238	6.4
		1.3	1.3	0.5	17.4	121	243	6.4
		1.3	2.0	1.0	16.6	116.7	221	6.4
		1.3	3.0	1.0	15.9	112	234	6.4
		1.3	4.0	1.1	15.8	111.1	274	6.4
		1.3	5.0	1.1	15.7	110.6	279	6.4
		1.3	6.0	1.1	15.6	110.3	284	6.4
		1.3	7.0	1.1	15.5	109.6	287	6.4
1.3	8.0	1.1	15.5	109.4	287	6.4		
1.3	9.0	1.1	15.5	109.2	287	6.4		
1.3	10.0	1.1	15.4	109	287	6.4		
1.3	11.0	1.1	15.4	108.8	288	6.4		
1.3	12.0	1.2	15.3	108.5	285	6.3		

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20f (continued)		1.3	13.0	1.3	14.9	105.5	280	6.3
		1.3	14.0	1.5	14.1	100.5	275	6.2
	16-Mar-08	-	0.0	0.1	15.0	102.6	127	6.1
		-	1.0	0.1	15.6	106.8	125	6.0
		-	2.0	0.3	15.5	106.8	115	6.0
		-	3.0	0.5	15.4	107.1	140	5.9
		-	4.0	1.1	15.0	105.8	148	6.0
		-	5.0	1.1	15.1	106.9	151	6.0
		-	6.0	1.1	15.2	107.4	152	5.9
		-	7.0	1.1	15.1	106.7	153	6.0
		-	8.0	1.2	14.7	103.8	153	6.0
		-	9.0	1.2	14.3	101	153	6.0
		-	10.0	1.2	14.1	99.5	154	6.0
		-	11.0	1.2	14.0	99.3	154	5.6
		-	12.0	1.2	14.0	99	155	5.9
		-	13.0	1.3	13.7	97	153	5.9
	-	14.0	1.5	12.9	91.6	150	5.8	
	13-Apr-08	1.5	1.5	0.7	15.4	107.5	241	6 - 6.6
		1.5	2.0	0.9	15.3	107.4	236	6 - 6.6
		1.5	3.0	1.2	15.3	107.9	282	5.9 - 6.7
		1.5	4.0	1.2	15.4	108.6	295	5.9 - 6.7
		1.5	5.0	1.2	15.3	108.4	302	5.9 - 6.7
		1.5	6.0	1.2	15.3	108.2	303	5.9 - 6.8
		1.5	7.0	1.3	15.2	108	305	5.9 - 6.8
		1.5	7.5	1.3	15.2	107.5	307	5.9 - 6.8
		1.5	8.0	1.3	15.2	107.8	307	5.9 - 6.8
		1.5	9.0	1.3	15.2	107.7	309	5.9 - 6.8
		1.5	10.0	1.3	15.2	107.4	311	5.9 - 6.8
		1.5	11.0	1.3	15.1	107.2	312	5.9 - 6.8
		1.5	12.0	1.3	15.0	106.3	309	5.9 - 6.8
		1.5	13.0	1.3	14.9	105.8	309	5.9 - 6.8
	1.5	14.0	1.4	14.3	102.2	307	5.9 - 6.8	
	08-May-08	1.6	1.6	1.6	14.8	105	-	6.3
		1.6	2.0	1.5	14.2	101.5	-	5.8 - 6.6
		1.6	3.0	1.5	14.7	104.7	-	5.7 - 6.7
		1.6	4.0	1.5	14.8	105.9	-	5.7 - 6.7
		1.6	5.0	1.4	15.0	107	-	5.7 - 6.7
		1.6	6.0	1.4	15.0	107	-	5.7 - 6.7
		1.6	7.0	1.5	15.0	107	-	5.7 - 6.7
		1.6	8.0	1.5	14.9	106.7	-	5.7 - 6.7
		1.6	9.0	1.5	15.0	106.8	-	5.7 - 6.7
		1.6	10.0	1.5	14.9	106.8	-	5.7 - 6.7
		1.6	11.0	1.5	15.0	107.1	-	5.7 - 6.7
		1.6	12.0	1.5	15.0	106.8	-	5.7 - 6.7
		1.6	13.0	1.5	14.9	106.6	-	5.8 - 6.8
		1.6	14.0	1.5	14.9	106.5	-	5.8 - 6.8
	09-May-08	-	1.6	0.8	13.5	94.6	259	-
		-	2.0	1.0	13.4	94.1	256	-
		-	3.0	1.4	13.3	94.7	317	-
		-	4.0	1.5	13.4	95.4	322	-
		-	5.0	1.5	13.4	95.7	327	-
		-	6.0	1.5	13.4	95.6	328	-
		-	7.0	1.6	13.4	95.5	328	-

**Table II-8 Snap Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
SNP 02-20f (continued)		-	8.0	1.6	13.3	95.4	328	-
		-	9.0	1.6	13.3	95.4	328	-
		-	10.0	1.6	13.3	95.2	329	-
		-	11.0	1.5	13.3	95.1	329	-
		-	12.0	1.5	13.3	95.1	330	-
		-	13.0	1.5	13.3	95.3	330	-
		-	14.0	1.6	13.3	95	330	-

Notes:

m = metres.

- = data not available.

°C = degrees Celsius.

mg/L = milligrams per litre.

µS/cm = microSiemens per centimetre.

Shading indicates questionable value.

**Table II-9 Northeast Lake Profile Data, 2008**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH	
NEL01	21-Feb-08	1.4	1.4	0.2	17.6	122.4	31	6.6	
		1.4	2.0	0.4	17.8	122.5	28	6.5	
		1.4	3.0	0.6	16.6	115.2	25	6.3	
		1.4	4.0	0.7	15.8	110	25	6.2	
		1.4	5.0	0.8	15.4	107.7	25	5.9	
		1.4	6.0	0.9	15.3	107.3	26	5.8	
		1.4	7.0	0.9	15.4	107.9	26	5.8	
		1.4	8.0	1.0	15.3	107.9	27	5.7	
		1.4	9.0	1.1	15.3	108.1	27	5.6	
		1.4	10.0	1.6	11.7	83.7	27	5.5	
		1.4	11.0	2.3	7.4	53.7	29	5.2	
	01-Apr-08	1.7	1.6	1.1	17.7	124.5	31	6.7	
		1.7	2.0	0.7	17.0	118.8	29	7.1	
		1.7	3.1	1.0	15.5	108.7	26	6.4	
		1.7	4.1	0.9	14.8	103.5	25	6.6	
		1.7	5.0	1.0	14.7	103.1	25	6.0	
		1.7	6.0	1.1	14.7	103.6	26	6.5	
		1.7	7.0	1.1	15.1	106.2	27	6.6	
		1.7	8.1	1.2	14.9	105.2	27	6.3	
			1.7	11.0	2.5	3.2	23.5	28	5.5
NEL02	21-Feb-08	1.4	1.4	0.2	16.9	116	27	6.5	
		1.4	2.0	0.4	16.7	115.4	24	6.4	
		1.4	3.0	0.6	16.2	112.6	22	6.3	
		1.4	4.0	0.7	15.9	110.7	23	6.1	
		1.4	5.0	0.8	15.7	109.8	24	6.0	
		1.4	6.0	0.9	15.3	107.5	24	5.8	
		1.4	6.0	0.9	15.3	106.8	24	5.8	
		1.4	7.0	0.9	15.1	106	24	5.7	
		1.4	8.0	1.0	14.5	102.2	24	5.7	
		1.4	9.0	1.1	14.1	99.1	24	5.6	
		1.4	10.0	1.2	13.5	95.7	24	5.7	
		1.4	11.0	1.3	13.3	94.5	24	5.6	
		30-Mar-08	1.5	1.5	0.8	15.7	109.8	28	7.2
			1.5	3.0	0.8	14.0	97.7	24	6.6
	1.5		4.0	0.9	13.7	96.1	23	6.0	
	1.5		5.0	1.0	13.3	93.7	23	5.9	
	1.5		6.2	1.0	13.5	94.7	24	5.2	
	1.5		7.0	1.1	13.2	93.2	23	5.8	
	1.5		8.1	1.2	13.0	91.5	24	5.5	
	1.5		9.0	1.3	12.5	88.4	23	5.8	
	1.5		10.1	1.4	12.4	87.8	23	5.6	
	NEL03	31-Mar-08	1.5	1.5	0.3	14.0	96.4	30	6.3
			1.5	2.1	0.3	16.1	111	27	5.9
1.5			3.1	0.6	15.0	104.7	24	6.1	
1.5			4.1	0.9	14.3	100.1	23	5.8	
1.5			5.1	1.0	13.9	97.5	23	6.3	
1.5			6.1	1.0	13.4	94.5	23	5.8	
1.5			7.1	1.1	13.2	93.2	23	6.2	
1.5			8.1	1.2	13.2	93.4	24	5.7	
1.5			9.1	1.3	13.3	94	24	6.1	
1.5			10.0	1.4	12.8	90.8	23	5.7	

**Table II-9 Northeast Lake Profile Data, 2008 (continued)**

Station	Date	Ice Depth (m)	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Conductivity (µS/cm)	pH
NEL04	31-Mar-08	1.8	1.8	0.3	18.3	126.7	30	6.8
		1.8	2.0	0.4	18.1	125.1	29	6.6
		1.8	3.0	0.8	15.9	110.8	24	6.7
		1.8	4.0	0.9	14.8	103.2	24	6.1
		1.8	5.0	1.0	14.8	104	25	6.5
		1.8	6.0	1.0	14.8	103.7	26	6.3
		1.8	7.0	1.1	14.3	101.1	25	6.5
		1.8	8.0	1.2	13.8	97.3	24	6.1
		1.8	9.0	1.3	13.3	94.2	24	5.9
		1.8	10.0	1.3	12.8	90.7	23	6.1
		1.8	11.0	1.4	12.4	88.2	24	6.0
		1.8	12.0	1.4	12.2	87	24	6.0
		NEL05	23-Feb-08	1.7	1.7	0.8	16.7	117
1.7	2.0			0.6	16.7	115.9	25	6.3
1.7	3.0			0.7	16.5	114.4	22	6.0
1.7	4.0			0.8	15.9	110.8	22	5.7
1.7	5.0			0.9	15.1	105.7	22	5.9
1.7	6.0			0.9	14.7	103.2	22	5.7
1.7	7.0			1.0	14.5	101.6	22	5.6
1.7	8.0			1.0	14.3	100.7	23	5.8
1.7	9.0			1.1	14.2	99.6	23	5.5
1.7	10.0			1.1	14.2	99.6	23	5.5
28-Mar-08	1.7		1.6	0.5	17.1	118.3	31	6.7
	1.7		1.7	0.5	17.1	118.6	31	6.6
	1.7		2.0	0.5	16.9	117.5	28	6.2
	1.7		3.0	0.8	14.8	103.3	24	6.6
	1.7		4.0	0.9	13.6	95.1	23	5.9
	1.7		5.0	1.0	13.1	92	23	6.3
	1.7		6.0	1.1	12.9	90.8	23	5.8
	1.7		7.0	1.1	12.8	90	23	5.5
	1.7		8.0	1.2	12.6	89	23	5.5
	1.7		9.0	1.2	12.6	89	23	5.2
1.7	10.0	1.2	12.5	88.6	23	5.2		

Notes:

m = metres.

- = data not available.

°C = degrees Celsius.

mg/L = milligrams per litre.

µS/cm = microSiemens per centimetre.

Shading indicates questionable value.

**APPENDIX III**

**QA/QC RESULTS, 2006 TO 2008**

## WINKLER TITRATIONS

Winkler titrations have been part of the dissolved oxygen (DO) sampling program at Snap Lake since 2005. The determination of DO concentration by titration is used to verify the YSI probe measurements. The samples collected for Winkler titrations were usually bottom waters where DO concentration was lowest.

The results of the Winkler titrations performed in 2006 to 2008 are presented in Table III-1. In 85% of the comparisons between the YSI meter and Winkler titration values, the DO concentrations agree within  $\pm 20\%$ . The accuracy achievable with the YSI probe is about 0.2 to 0.3 milligrams per litre (mg/L), whereas the accuracy of the Winkler titrations, which are performed using a commercial kit, is 1 to 1.5 mg/L. At DO concentration values  $< 5$  mg/L, an accuracy of 1 to 1.5 mg/L translates to  $\geq 20\%$  error. Only a few of the YSI DO values are  $< 5$  mg/L, but in these cases the percent difference between the YSI and Winkler values tends to be relatively high (Table III-1).

The accuracy achievable with the YSI probe (i.e., 0.2 to 0.3 mg/L) appears adequate to detect a change in DO concentration under ice of 1 to 2 mg/L. Achieving this level of accuracy is dependent on allowing sufficient time for DO value to stabilize at low DO concentrations. The value of the Winkler titrations performed using a commercial kit is questionable. Therefore, consideration should be given to moving to the standard Winkler technique, which has a accuracy of 0.1 mg/L DO.

**Table III-1 Comparison of YSI and Winkler Titration Measurements of Dissolved Oxygen 2007 to 2008**

Date	Station	Depth (m)	Dissolved Oxygen Concentration (mg/L)			Percent Difference Between Meter and Last Winkler <sup>(a)</sup>
			YSI Meter	Winkler Titration #1	Winkler Titration #2	
18-Jul-07	NEL01	10	11.8	10.5	10.7	9%
19-Jul-07	SNP02-20f	13	12.4	10.5	10.4	18%
22-Jul-07	SNAP04	4	9.5	9.8	9.8	3%
23-Jul-07	SNAP03	11	13.8	10.3	10.4	<b>28%</b>
24-Jul-07	SNAP02a	10	9.4	9.9	10.8	14%
15-Aug-07	SNP02-20f	13	10.6	9.3	9.3	13%
11-Sep-07	NEL05	10	11.1	10.5	-	6%
13-Sep-07	SNP02-20e	26	12.0	12.1	11.0	9%
14-Sep-07	SNAP23	12	12.3	10.1	10.1	20%
15-Sep-07	SNAP26	5	12.9	10.0	11.3	13%
16-Sep-07	SNAP14	13	12.7	11.1	10.9	16%
17-Sep-07	SNAP12	7	12.6	11.0	10.3	20%
18-Sep-07	SNAP08	9	13.1	11.3	11.8	11%
19-Sep-07	SNAP11a	16	13.0	11.6	11.3	14%
20-Sep-07	SNAP07	10	13.7	11.8	11.9	14%
21-Sep-07	SNAP29	6.5	13.9	11.7	11.8	16%
22-Sep-07	SNAP04	4	14.2	13.6	13.4	6%
21-Jan-08	SNAP 29	3	14.2	12.1	-	16%
22-Jan-08	SNP 02-20e	29	6.7	8.6	9.0	<b>-29%</b>
23-Jan-08	SNAP 26	5	5.7	9.9 <sup>(b)</sup>	-	<b>-54%</b>
24-Jan-08	SNP 02-20f	14	13.5	12.1	12.2	10%
25-Jan-08	SNAP 07	10	12.7	10.0	10.2	<b>22%</b>
26-Jan-08	SNAP 05	7	16.1	14.4	12.9	<b>22%</b>
17-Feb-08	SNP 02-20e	27.5	10.4 <sup>(c)</sup>	9.7	9.7	7%
19-Feb-08	SNAP 20b	15	13.0	10.4	-	<b>22%</b>
20-Feb-08	SNAP 29	4	15.1	13.5	13.8	9%
21-Feb-08	NEL 02	6	15.3	13.0	13.0	16%
29-Mar-08	SNAP 29	4	14.4	14.2	13.0	10%
30-Mar-08	NEL 02	5	13.3	11.1	11.8	12%
31-Mar-08	NEL 04	6	14.8	15.0	13.4	10%
01-Apr-08	NEL01	5	14.7	12.8	12.4	17%
03-Apr-08	SNAP10	2.5	14.9	11.3	11.8	<b>23%</b>
04-Apr-08	SNAP09	7	12.0	7.7 <sup>(d)</sup>	6.3	<b>62%</b>
05-Apr-08	SNAP28	4	15.2	11.1	11.3	<b>29%</b>
06-Apr-08	SNAP02-20d	7	14.5	11.3	10.0	<b>37%</b>
07-Apr-08	SNP02-20e	2	14.5	9.6	11.5	23%
08-Apr-08	SNAP05	7	15.2	12.9 <sup>(b)</sup>	11.7	<b>26%</b>
09-Apr-08	SNAP14	12	13.8	13.1	12.5	10%
08-May-08	SNP02-20d	6	15.1	16.6	12.5 <sup>(b)</sup>	19%
11-May-08	SNP02-20e	2	15.1	13.8	13.0	15%

Notes: - = a second Winkler was not completed; m = metres; mg/L = milligrams per litre.

<sup>(a)</sup> Differences of greater than 20% in Winkler and YSI measurements of dissolved oxygen are shown in bold.

<sup>(b)</sup> High amounts of precipitate were observed in sample.

<sup>(c)</sup> An average of dissolved oxygen measurements from 27 and 28 metres was calculated.

<sup>(d)</sup> Air bubble was observed in sample bottle.

## REFERENCES

- Carpenter, J.H. 1965. Chesapeake Bay Institute Technique for the Winkler Dissolved Oxygen Method. *Limnology and Oceanography*, Vol. 10: 141-143.