

霞ヶ浦全域調査資料

Environmental Data for Lake Kasumigaura

平成5年度～平成7年度
1993～1995

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はしがき

本研究資料は、国立環境研究所の研究者で組織された霞ヶ浦全域調査研究グループによって、1976年以降より継続されている霞ヶ浦（西浦）定期調査結果をまとめたものである。本冊子では、1993年4月から1995年3月までの3年間の水質調査資料をまとめ、主な項目については経年変化を図化して示した。

本冊子掲載以前の霞ヶ浦全域調査資料は、国立公害研究所研究報告第1号（1977）、同第6号（1979）、同第22号（1981）、国立公害研究所研究資料第25号（1984）、同第33号（1988）、国立環境研究所研究資料F-25-'90/NIES（1990）および同F-61-'94/NIES（1994）に収録されている。

霞ヶ浦は、依然として深刻な富栄養化状態が続いている。昭和59年の湖沼水質保全特別措置法に基づき指定湖沼となり、昭和61年度から平成2年度までの5年間、第1次の湖沼水質保全計画が進められた。第1次湖沼水質保全計画で定められた水質目標値の達成にはかなり無理があったため、平成3年度から平成7年度までの第2次湖沼水質保全計画で新たに暫定水質目標値が設定され、種々の富栄養化対策が実施された。しかし、この暫定水質目標値も達成することはできなかった。平成7年10月に第6回世界湖沼会議霞ヶ浦'95が開かれ、多くの湖沼研究者が霞ヶ浦に集い湖沼環境保全について多くの討議がなされた。それらの討論を基に、平成8年に新たな第3次の湖沼水質保全計画が策定された。

一方では、霞ヶ浦から茨城県南西部に農業用水、水道用水および工業用水を供給する霞ヶ浦用水事業の基幹線水路の建設は終了し、すでに数年前から給水が始まっている。また、霞ヶ浦と、那珂川や利根川と結んで流況調整を行う霞ヶ浦導水事業も進んでいる。このように、霞ヶ浦の水資源開発事業の進展や、流域の人口増加等に伴う汚濁負荷量の増加など霞ヶ浦を取り巻く環境は日に日に変化しており、湖沼水質にも影響を及ぼしている。

1976年より継続して行われてきた国立環境研究所による霞ヶ浦の水質調査は、すでに21年目となり、長期間にわたる湖沼調査資料として、学会はじめ湖沼関係研究者の間で信頼性の高い資料と評価されている。調査を継続的に行っていくため、平成8年4月から地球環境モニタリング事業の一環でGEMS/Waterトレンドステーションとして継続することとなった。近年の霞ヶ浦は水量や水質とも大きな変化の波の中にあり、霞ヶ浦全域にわたる水質、環境変化の頻度の高い総合的な調査記録は、今後の湖沼環境保全研究にとって貴重な学術財産になるものとして確信している。

平成9年3月

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 井上隆信・岩熊敏夫・花里孝幸)

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1. 霞ヶ浦全域調査データ

Limnological Data in Lake Kasumigaura

全域調査研究グループ

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表1 調査地点の緯度，経度
Table 1 Location of sampling points

| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Latitude (N) | 36°08'76 | 36°08'07 | 36°07'11 | 36°05'16 | 36°04'72 | 36°03'71 | 36°02'53 | 36°01'95 | 36°00'31 | 35°58'40 |
| Longitude(E) | 140°19'69 | 140°20'62 | 140°22'85 | 140°24'09 | 140°13'42 | 140°14'19 | 140°18'17 | 140°24'42 | 140°26'35 | 140°28'53 |

野尻：全リン(T-P)，全溶存態リン(DTP)，オルソリン酸態リン(PO₄-P)，アンモニア態窒素(NH₄-N)，
亜硝酸態窒素(NO₂-N)，硝酸態窒素(NO₃-N)，全窒素(T-N)

福島・海老瀬：全化学的酸素要求量(T-COD)，溶存態化学的酸素要求量(D-COD)，懸濁物質

福島：電気伝導度，乾燥重量(SS)

高村：1次生産，呼吸速度

相崎：クロロフィルa (Chl-a)，懸濁態有機炭素(POC)，懸濁態有機窒素(PON)，生菌数

3. 結果

1993年4月から1996年3月までの3年間に得られた調査結果を，主要な水質項目と代表的な地点について経年的な季節変化として図示し，現場での測定項目と調査結果を持ち帰った試料の分析結果の詳細を表示する。

引用文献

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国立環境研究所 (1994) : 霞ヶ浦全域調査資料，国立環境研究所研究資料，F-61-'94/NIES，1-89.

1. はじめに

霞ヶ浦全域調査は、1976年以来、特別研究「陸水域の富栄養化に関する総合研究」、
「陸水域の富栄養化防止に関する総合研究」、
「自然浄化機能による水質改善に関する総合研究」及び特別経
常研究「湖沼環境変化に伴う水質・生物相変動に関する研究」、
「霞ヶ浦の環境変化に伴う水質・
生物相変動に関する研究」の一環として、霞ヶ浦（西浦）の多くの地点で水質及び生物相の分布と
変化を中心に調査を行ってきた。

1977年3月までの調査結果については国立公害研究所研究報告第1号（1977）に、1978年10月ま
での調査結果については同第6号（1979）に、1980年3月までの調査結果は同22号（1981）に、1983年3
月までの調査結果は国立公害研究所研究資料第25号（1984）に、1987年3月までの調査結果は同第
33号（1988）に、1990年3月までの調査結果は国立環境研究所資料F-25-'90/NIES（1990）に、1993
年3月までの調査結果は同F-61-'94/NIES（1994）に報告している。本調査資料に収録したデータは、
1993年4月から1996年3月までの調査結果の表による揭示と、調査結果の経年的な季節変化を図示し
たものである。

2. 調査地点及び調査方法

調査は、これまでと同じ10地点で行い、その位置を図1に示し緯度、経度を表1に示した。採水
方法もこれまでと同様に2mの亚克力製カラム採水器を用い、表層0mから2mまでの柱状採水を行っ
た。現場での物理・化学的な測定方法と、氷冷等により持ち帰った試料の分析方法は、これまでと
同一である。採水及び現地調査項目は、海老瀬、相崎、岩熊、河合、野尻、福島、花里、稲葉、今
井、井上、松重、高木、矢木が主に担当した。採水した試料の分析は、以下のように分担して行っ
ている。

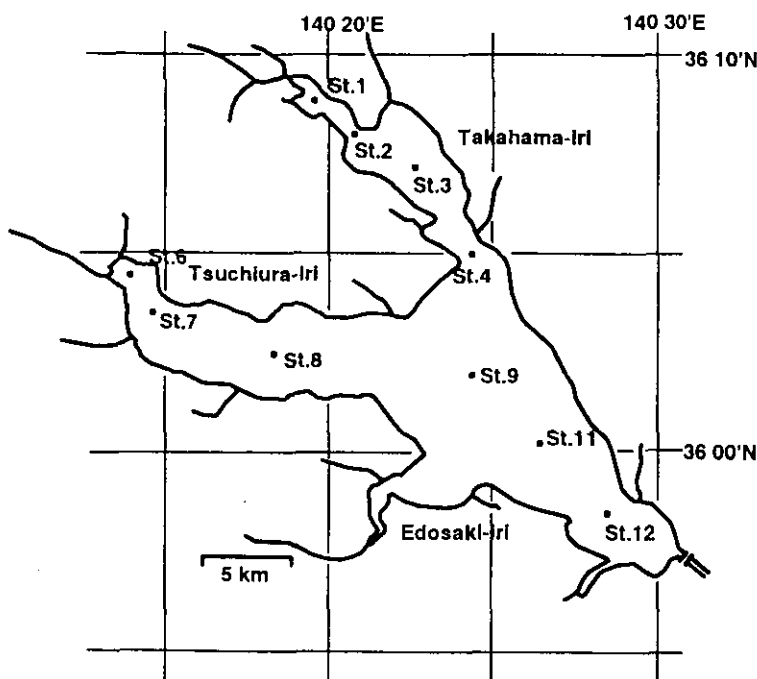


図1 調査地点

Fig.1 Sampling points in Lake Kasumigaura

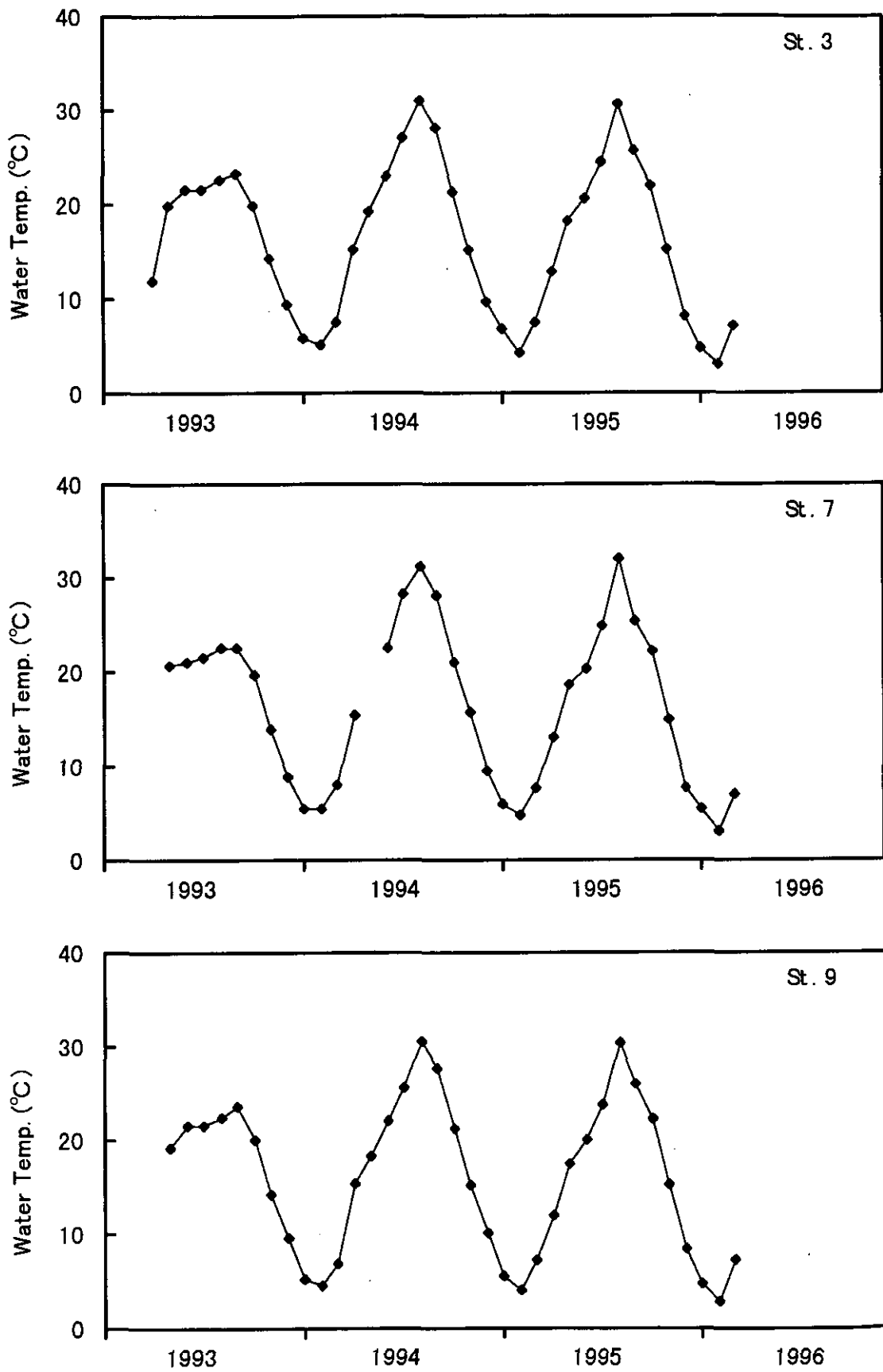


図 2 霞ヶ浦各地点における水温の経年変化(水表面)
 Fig. 2 Annual changes in surface water temperature at each station of Lake Kasumigaura

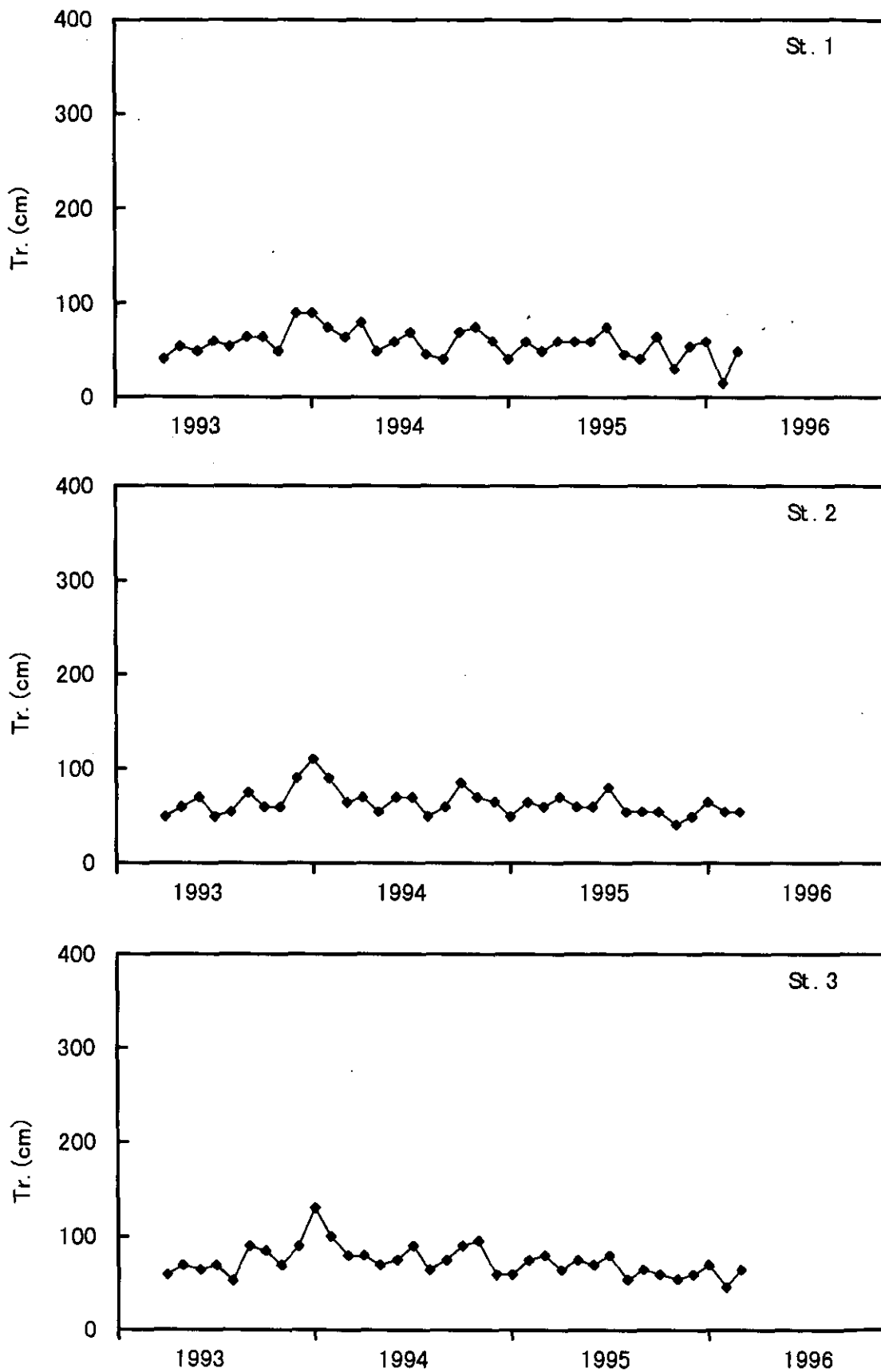


図 3(a) 霞ヶ浦各地点における透明度の経年変化
 Fig. 3(a) Annual changes in Secchi disk transparency at each station of Lake Kasumigaura

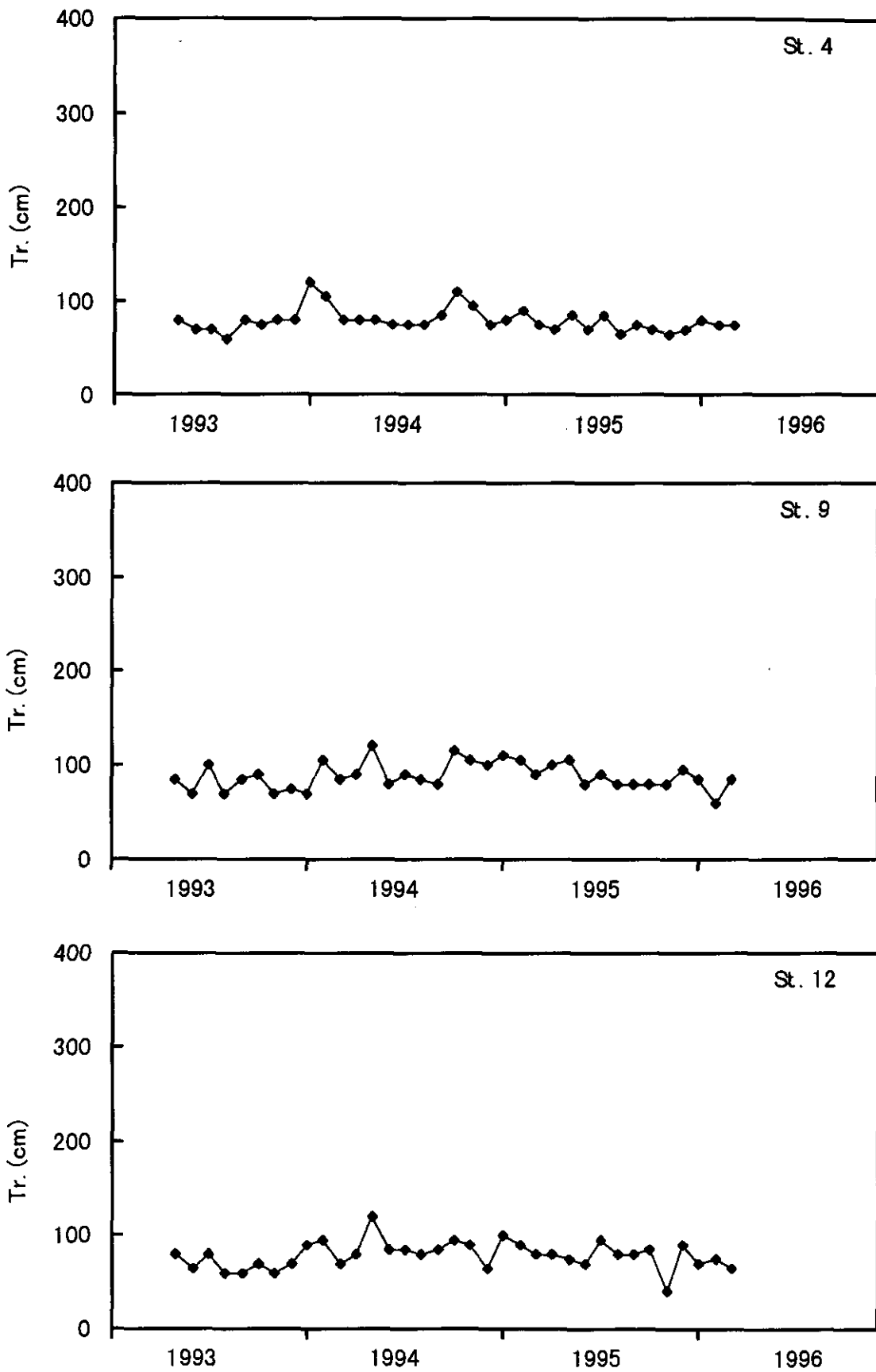


図 3(b) 霞ヶ浦各地点における透明度の経年変化
 Fig. 3(b) Annual changes in Secchi disk transparency at each station of Lake Kasumigaura

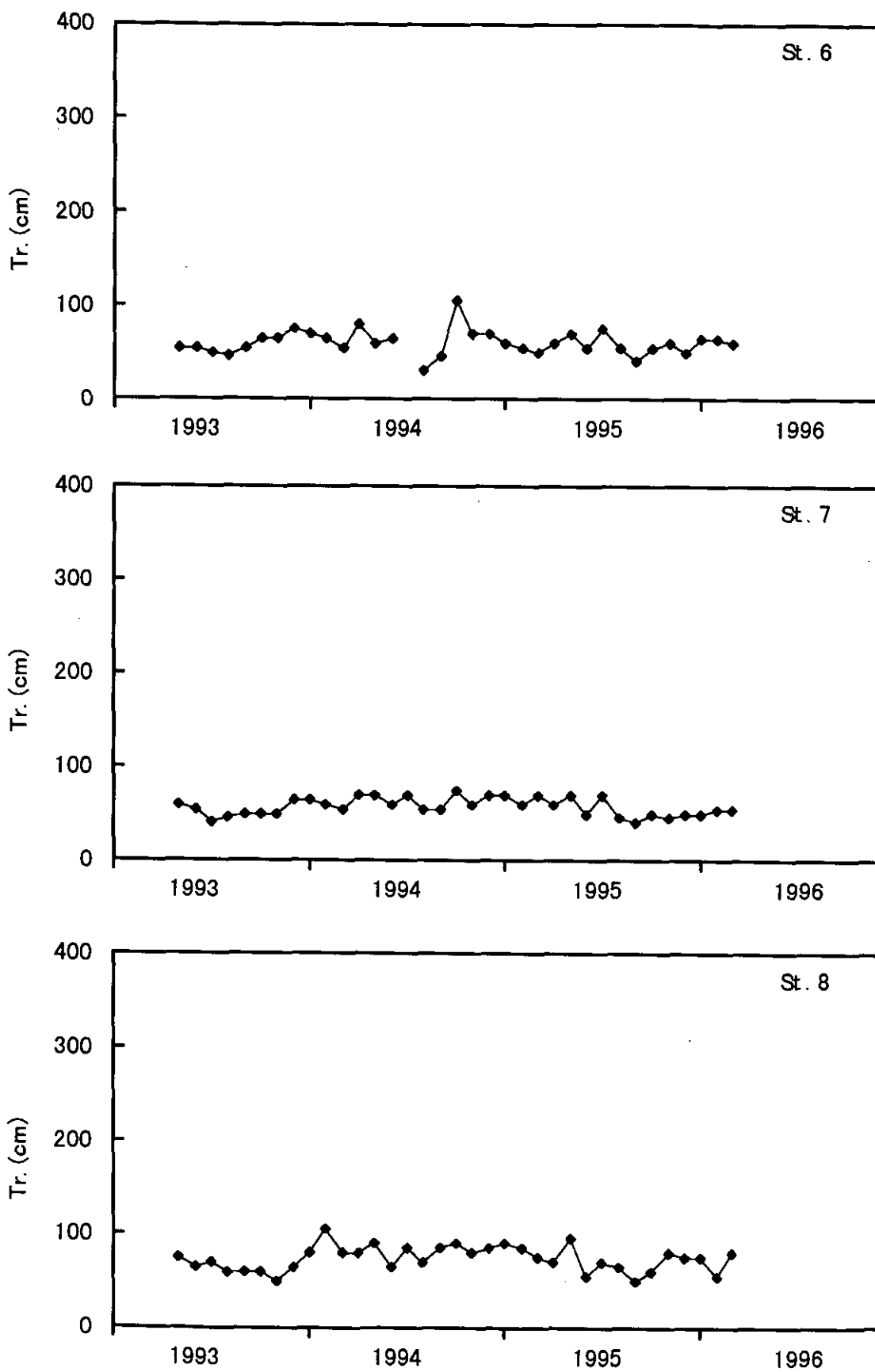


図 3(c) 霞ヶ浦各地点における透明度の経年変化
 Fig. 3(c) Annual changes in Secchi disk transparency at each station of Lake Kasumigaura

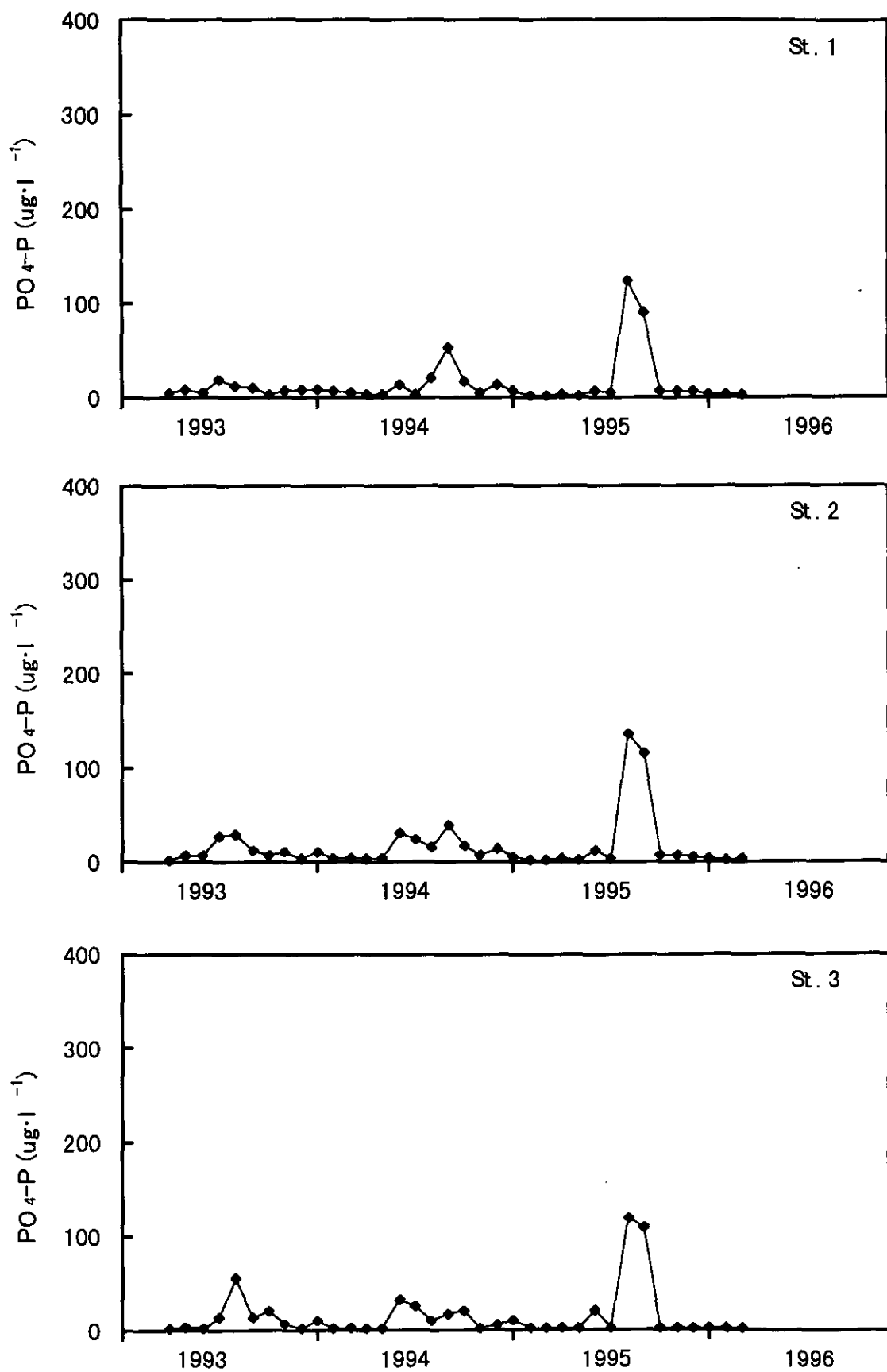


図 4(a) 霞ヶ浦各地点における PO_4-P 濃度の経年変化
 Fig. 4(a) Annual changes in PO_4-P concentration at each station of Lake Kasumigaura

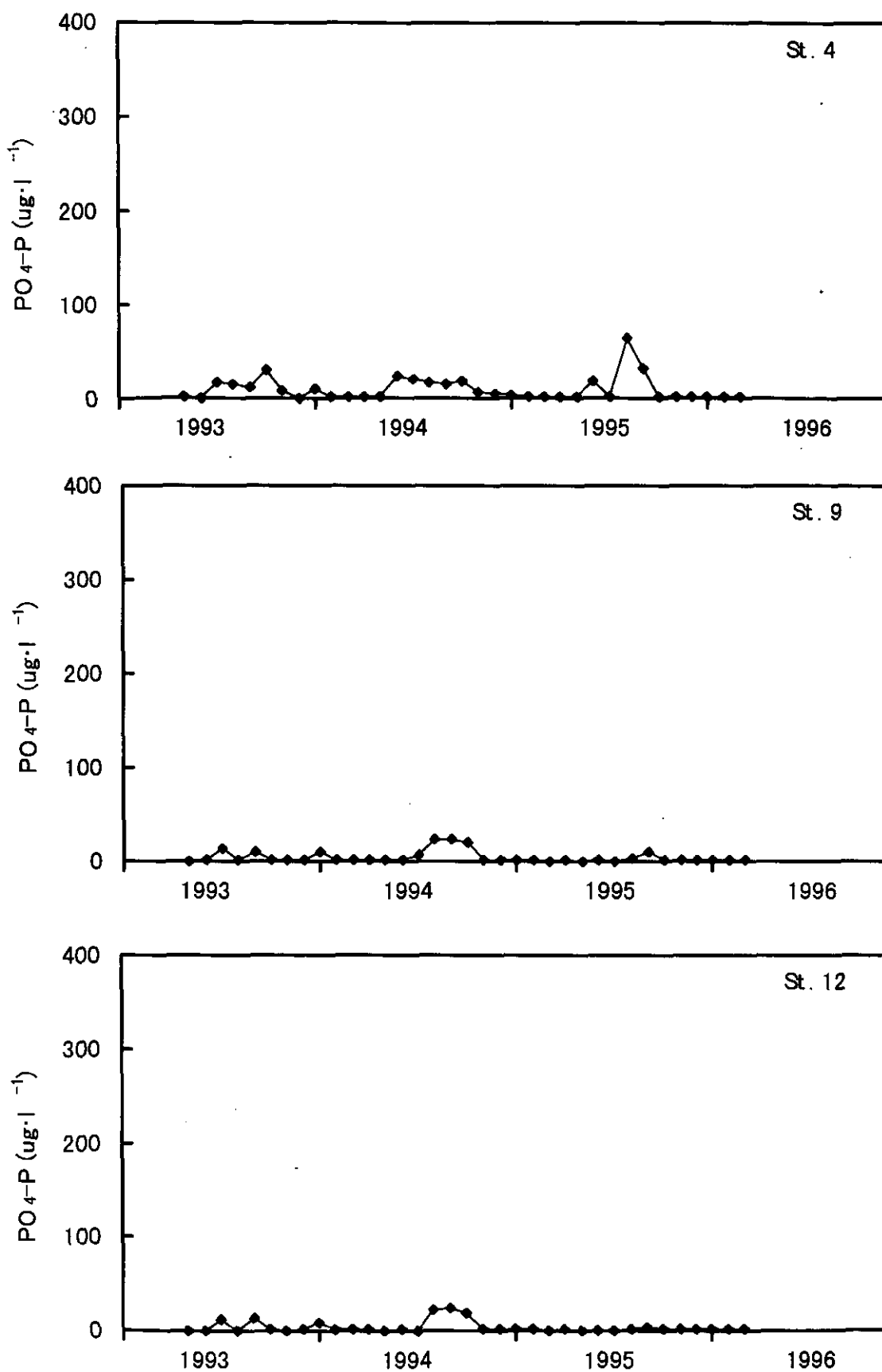


図 4(b) 霞ヶ浦各地点における PO_4-P 濃度の経年変化
 Fig. 4(b) Annual changes in PO_4-P concentration at each station of Lake Kasumigaura

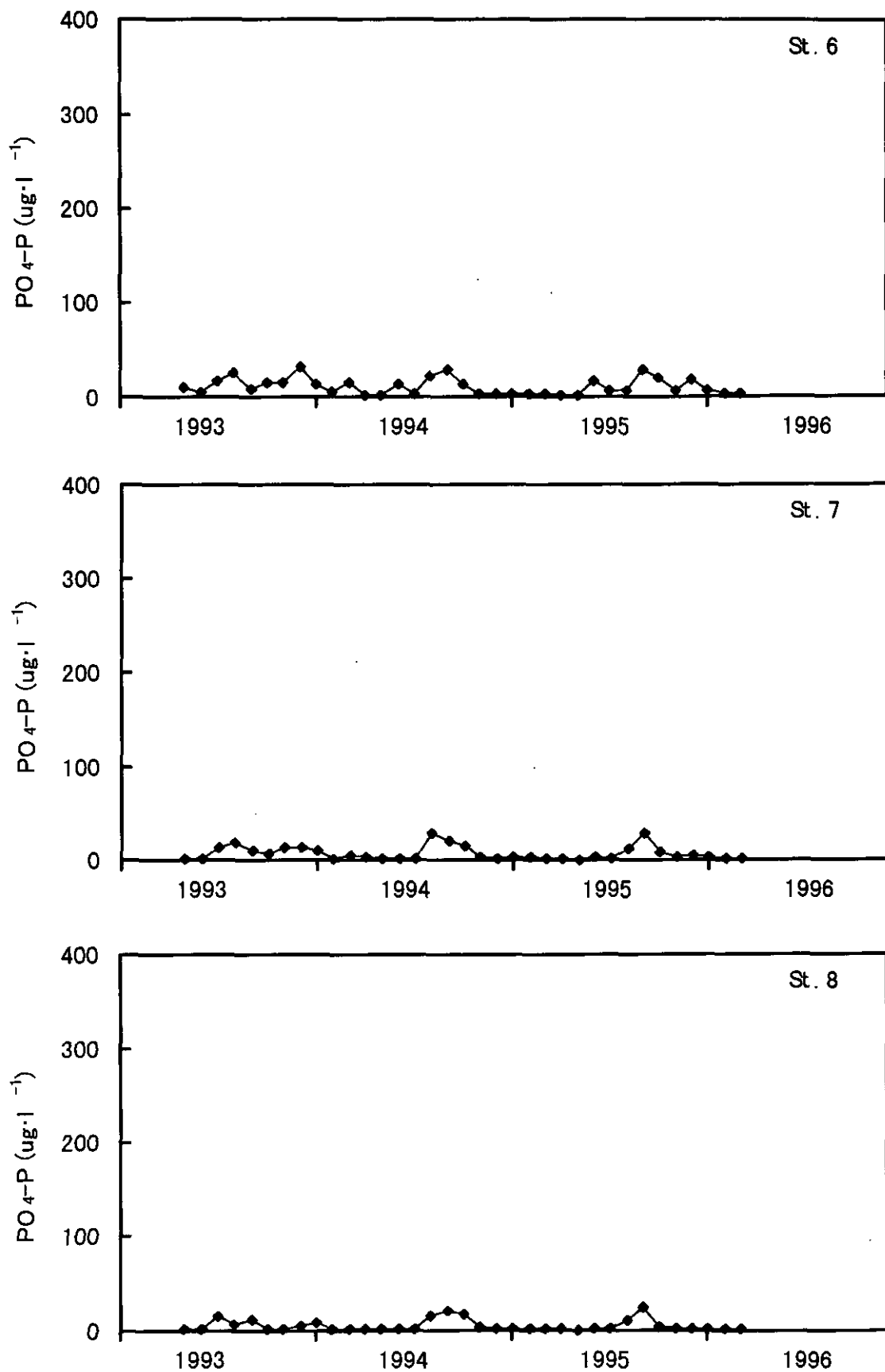


図 4(c) 霞ヶ浦各地点における PO_4-P 濃度の経年変化
 Fig. 4(c) Annual changes in PO_4-P concentration at each station of Lake Kasumigaura

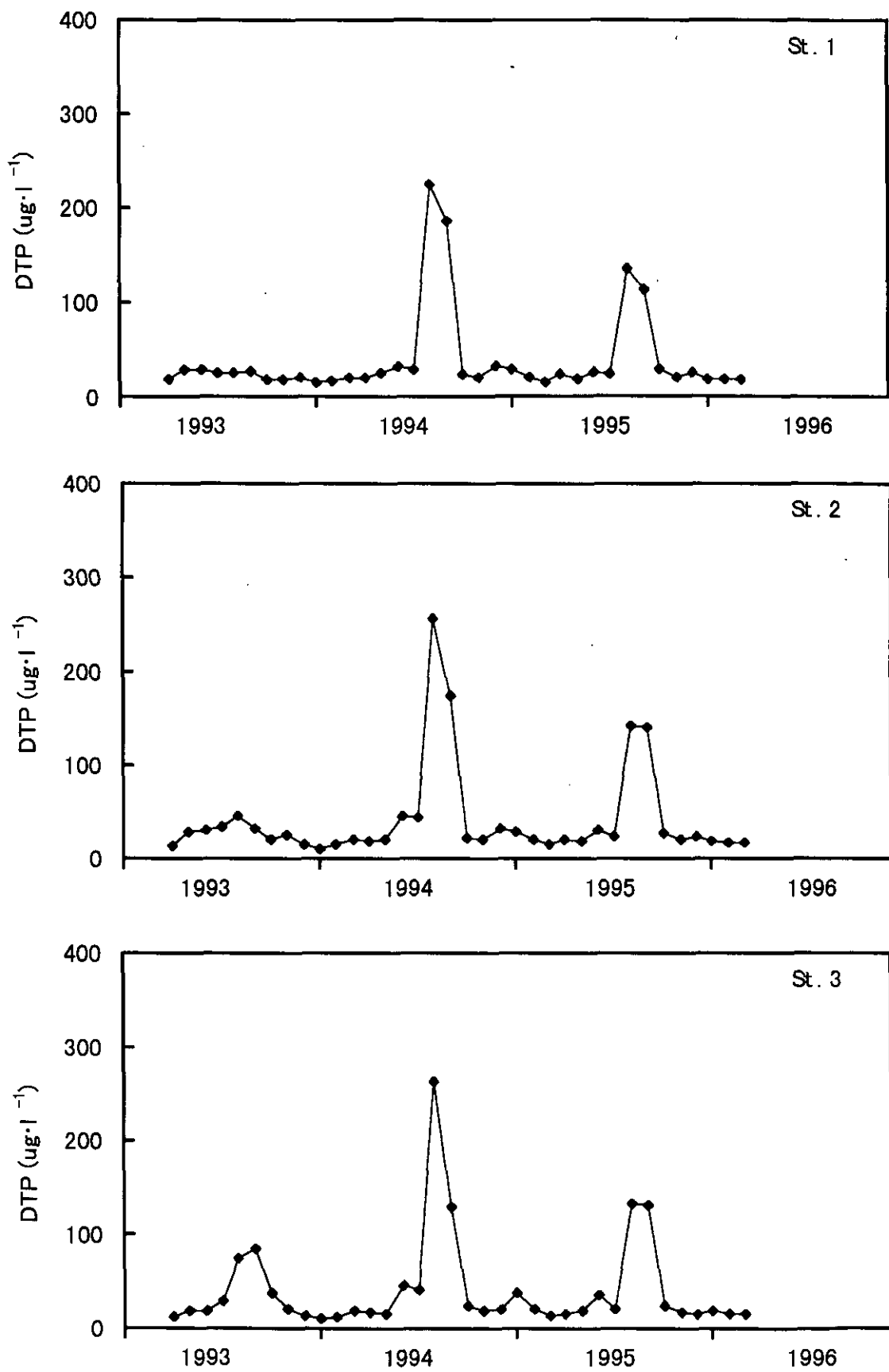


図 5(a) 霞ヶ浦各地点におけるDTP濃度の経年変化
 Fig. 5(a) Annual changes in DTP concentration at each station of Lake Kasumigaura

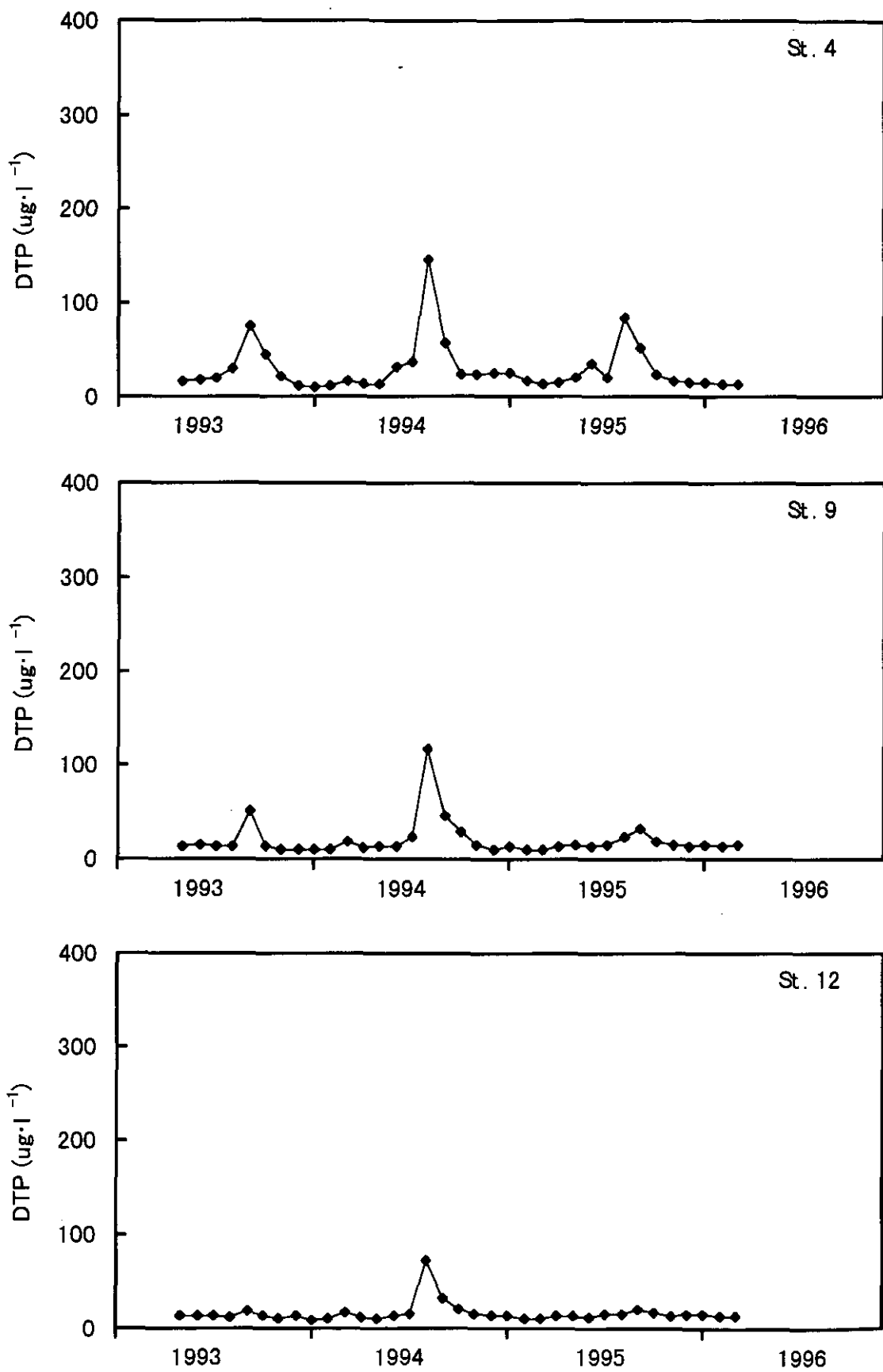


図 5(b) 霞ヶ浦各地点におけるDTP濃度の経年変化
 Fig. 5(b) Annual changes in DTP concentration at each station of Lake Kasumigaura

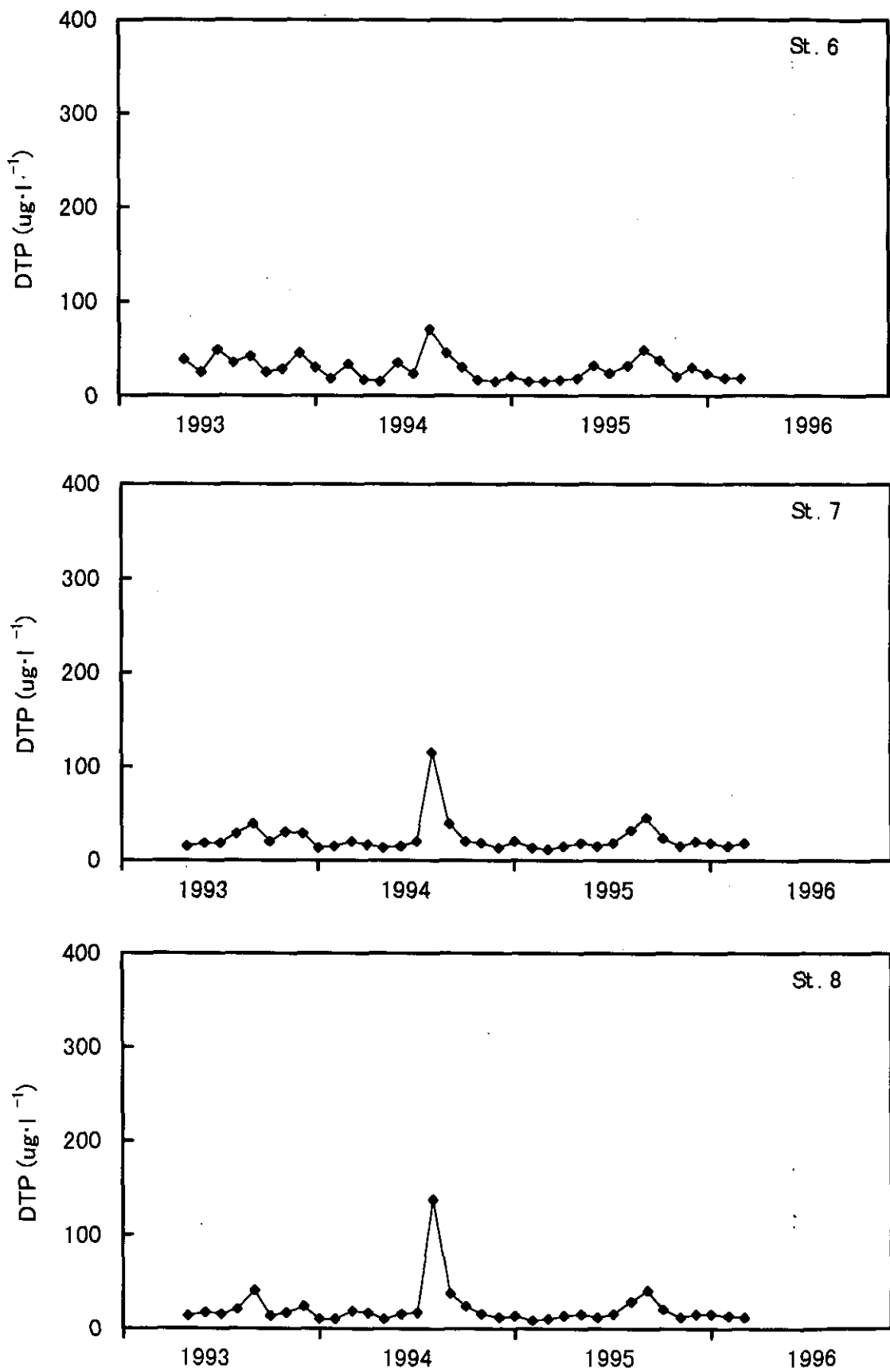


図 5(c) 霞ヶ浦各地点におけるDTP濃度の経年変化
 Fig. 5(c) Annual changes in DTP concentration at each station of Lake Kasumigaura

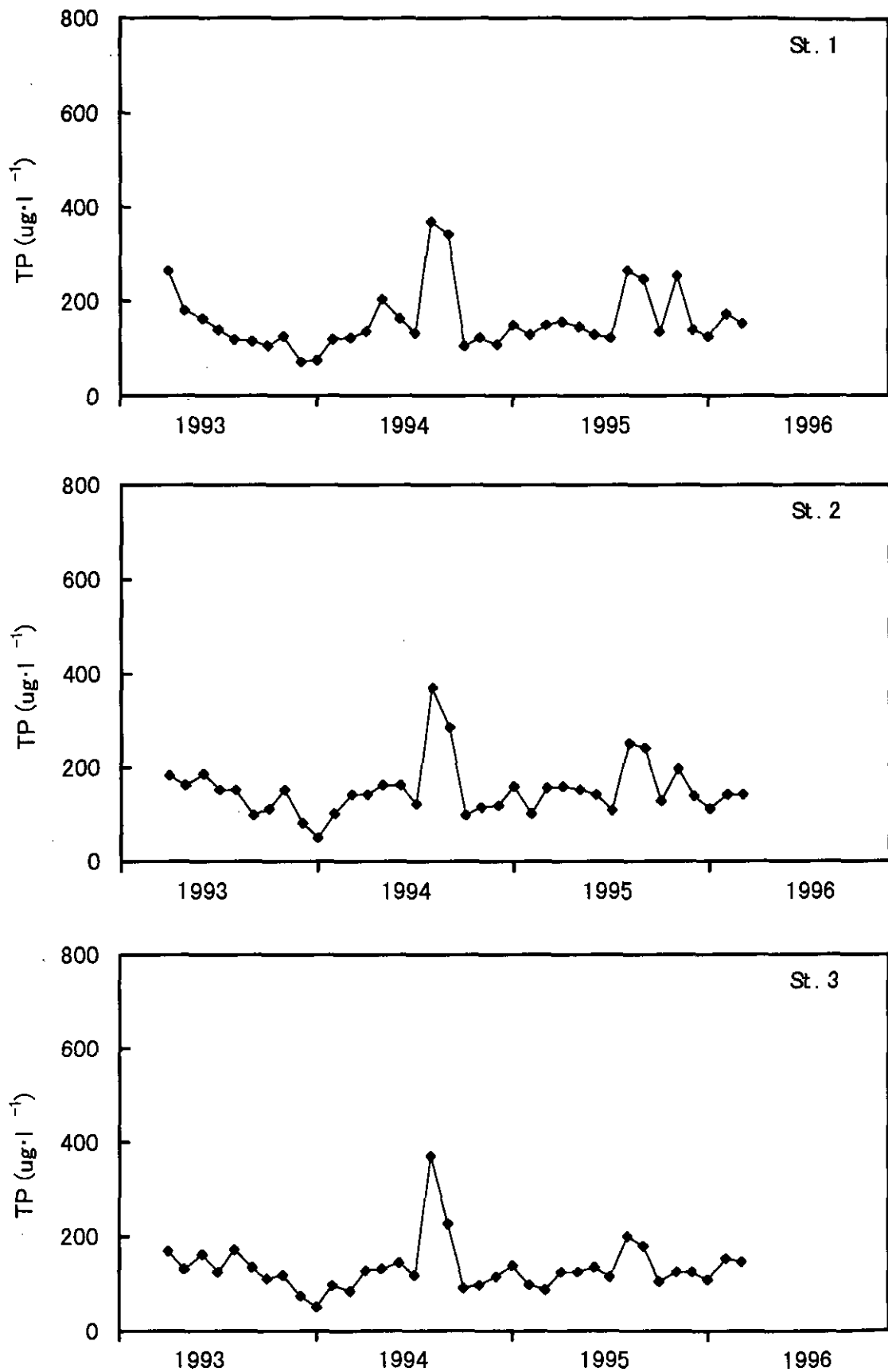


図 6(a) 霞ヶ浦各地点におけるTP濃度の経年変化
 Fig. 6(a) Annual changes in TP concentration at each station of Lake Kasumigaura

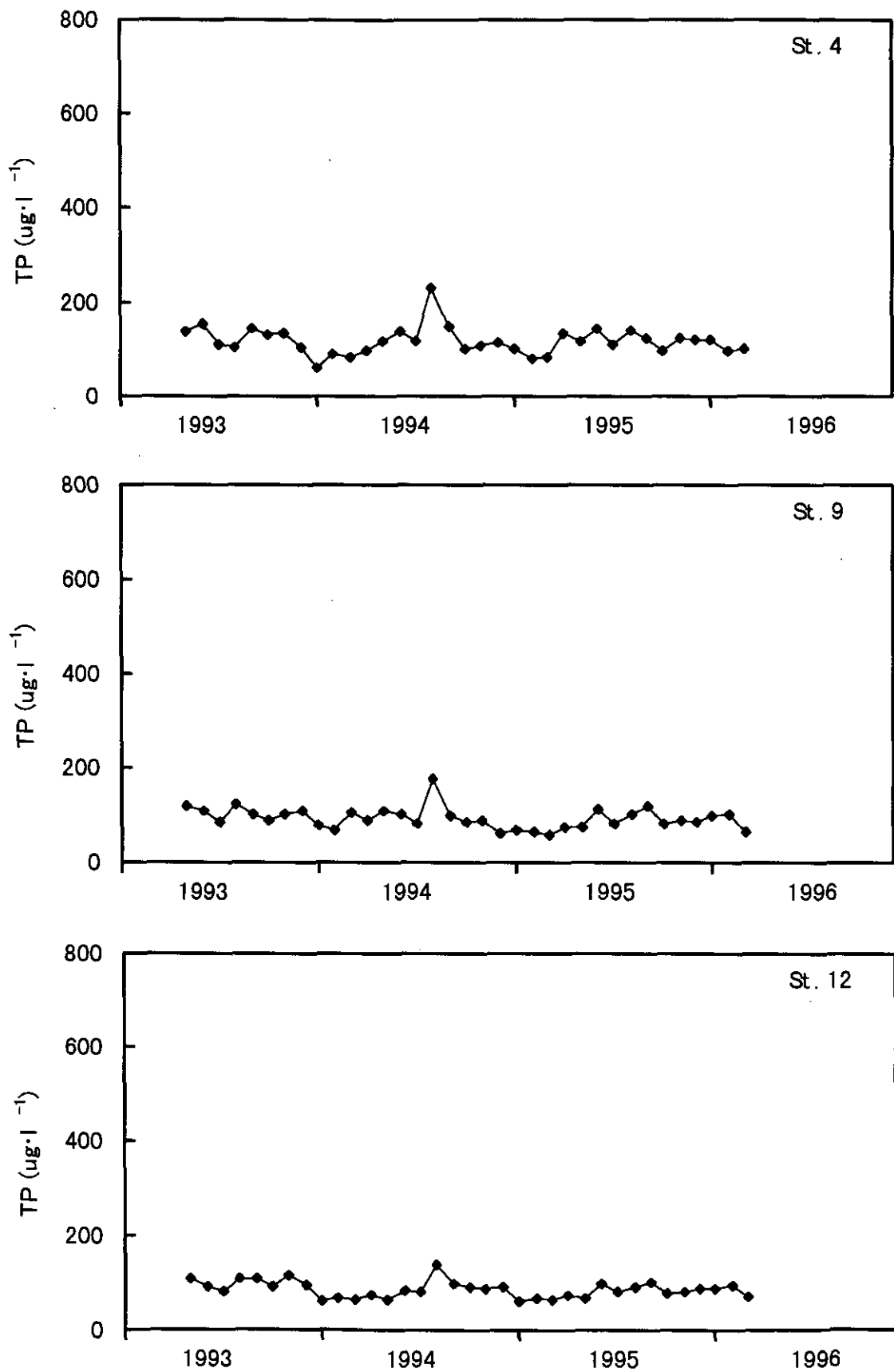


図 6(b) 霞ヶ浦各地点におけるTP濃度の経年変化
 Fig. 6(b) Annual changes in TP concentration at each station of Lake Kasumigaura

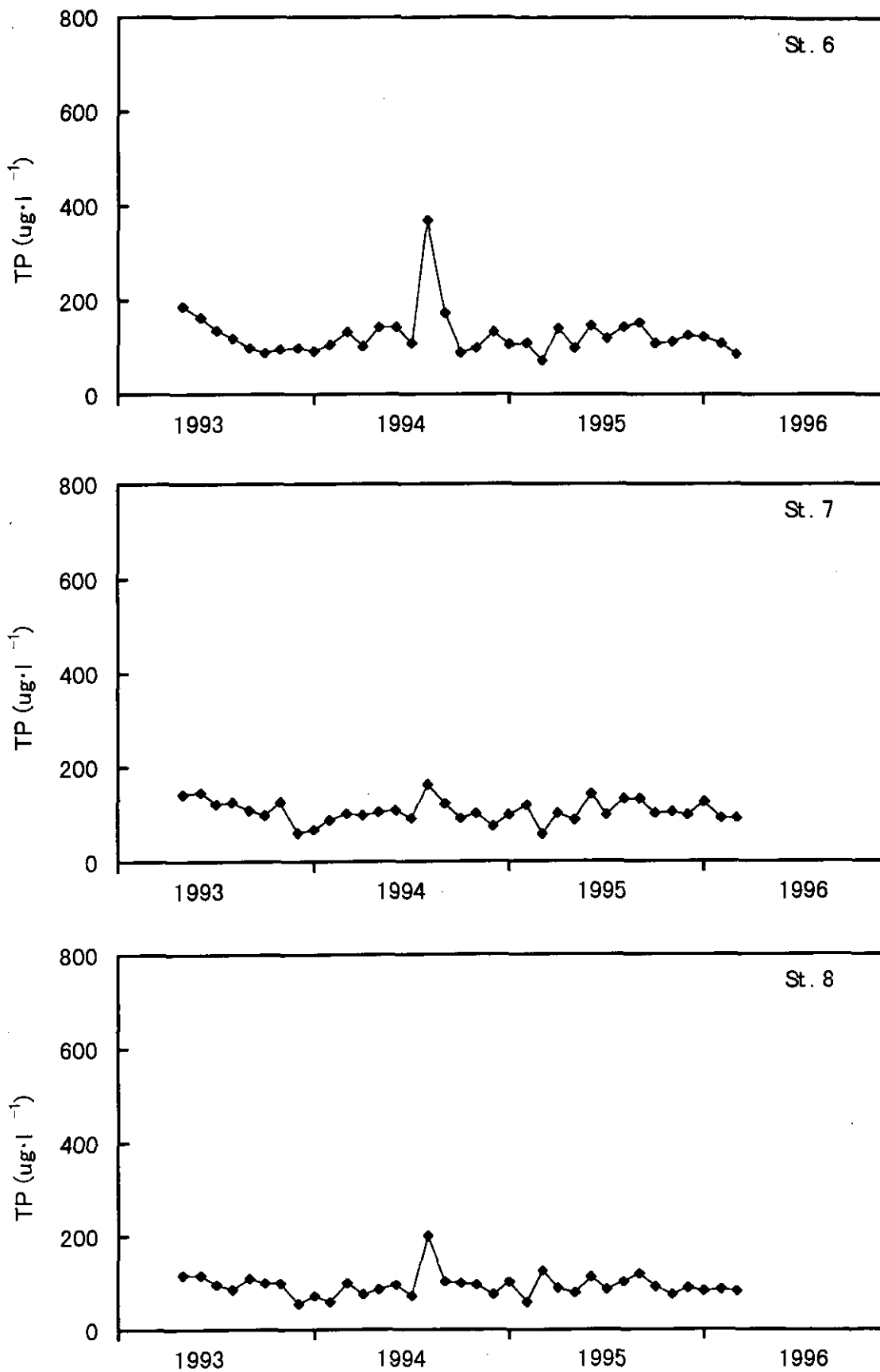


図 6(c) 霞ヶ浦各地点におけるTP濃度の経年変化
 Fig. 6(c) Annual changes in TP concentration at each station of Lake Kasumigaura

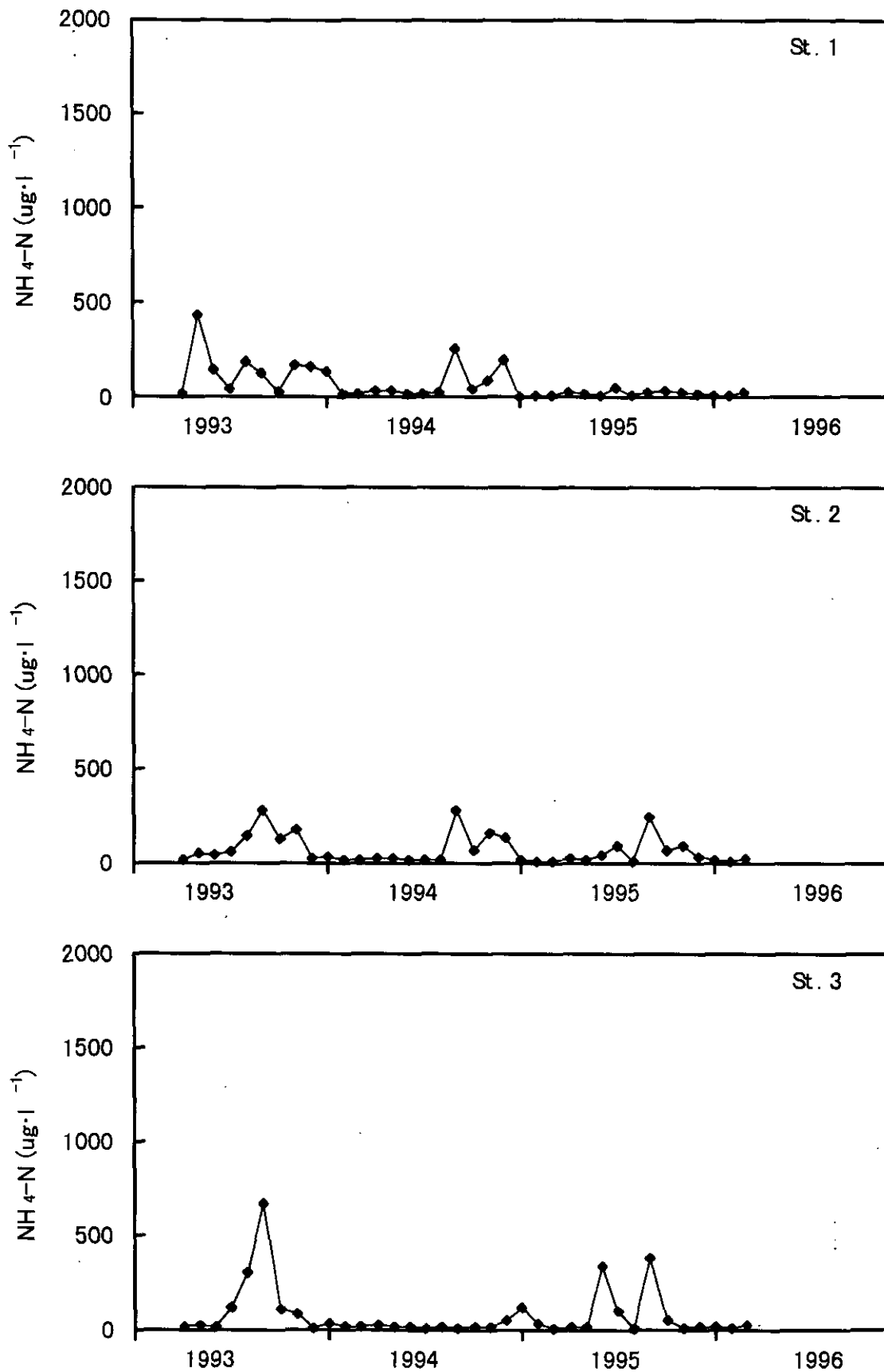


図 7(a) 霞ヶ浦各地点における $\text{NH}_4\text{-N}$ 濃度の経年変化
 Fig. 7(a) Annual changes in $\text{NH}_4\text{-N}$ concentration at each station of Lake Kasumigaura

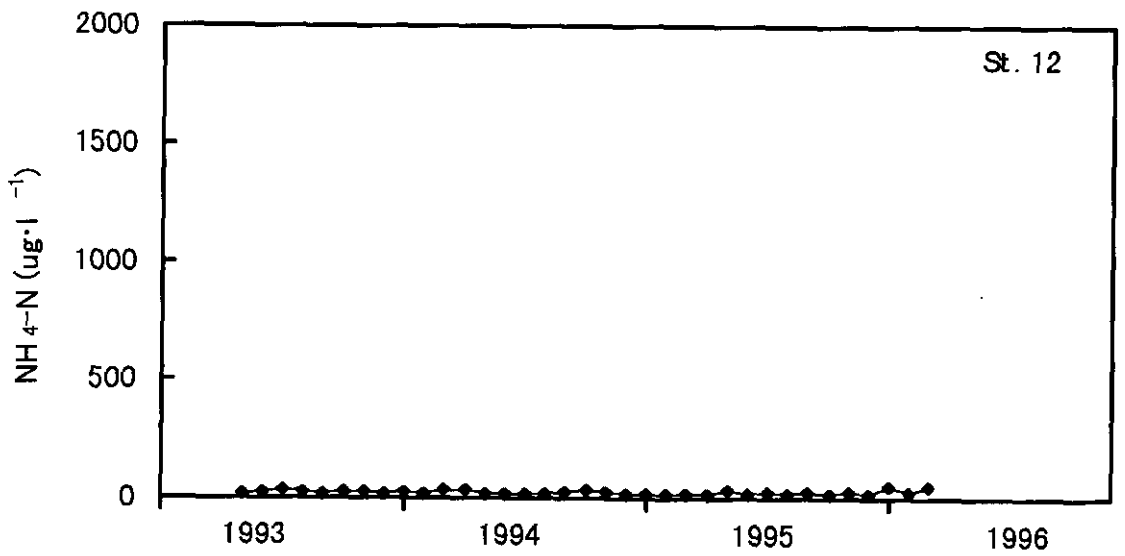
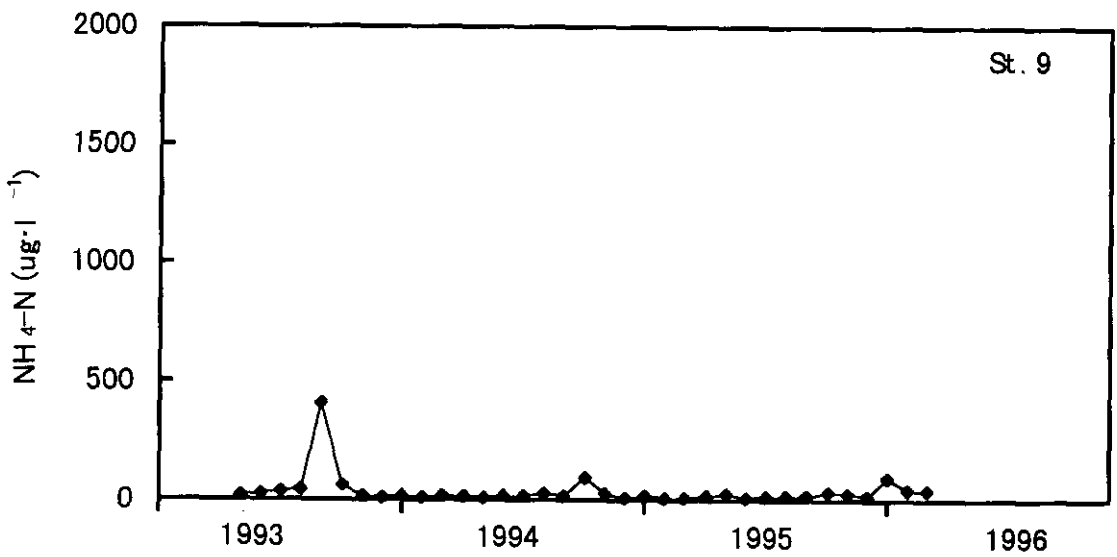
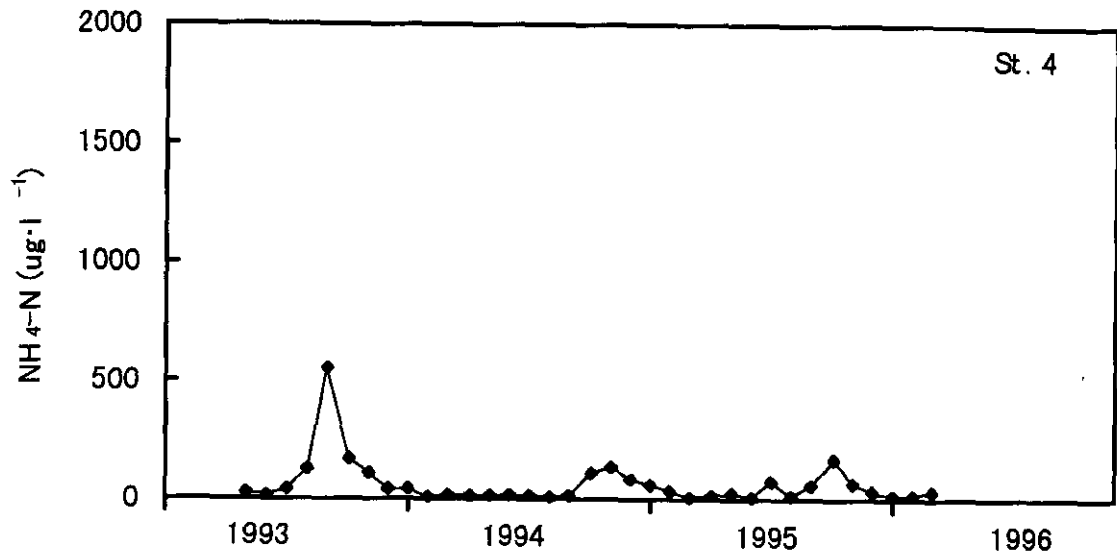


図 7(b) 霞ヶ浦各地点における $\text{NH}_4\text{-N}$ 濃度の経年変化
 Fig. 7(b) Annual changes in $\text{NH}_4\text{-N}$ concentration at each station of Lake Kasumigaura

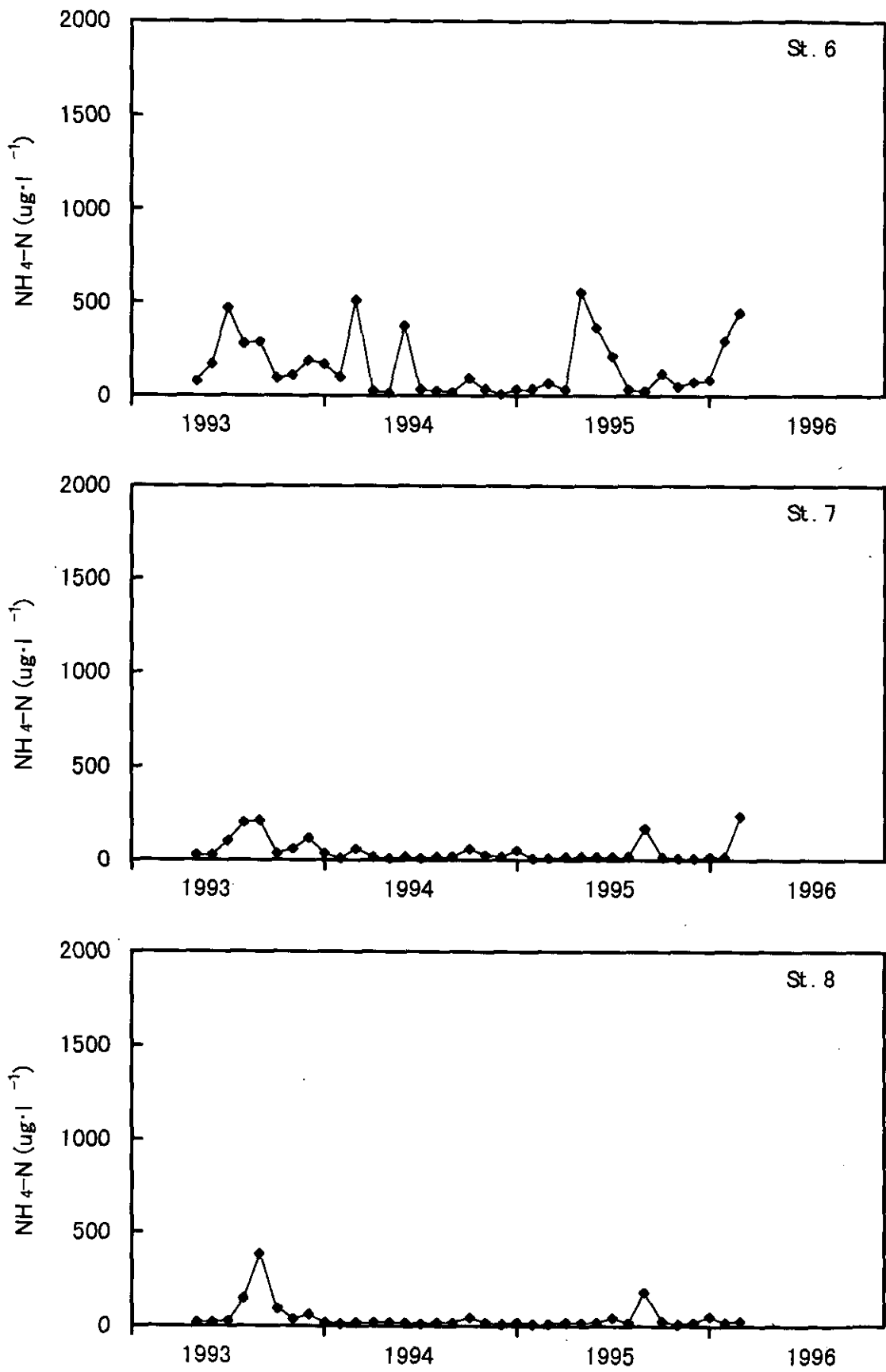


図 7(c) 霞ヶ浦各地点におけるNH₄-N濃度の経年変化
 Fig. 7(c) Annual changes in NH₄-N concentration at each station of Lake Kasumigaura

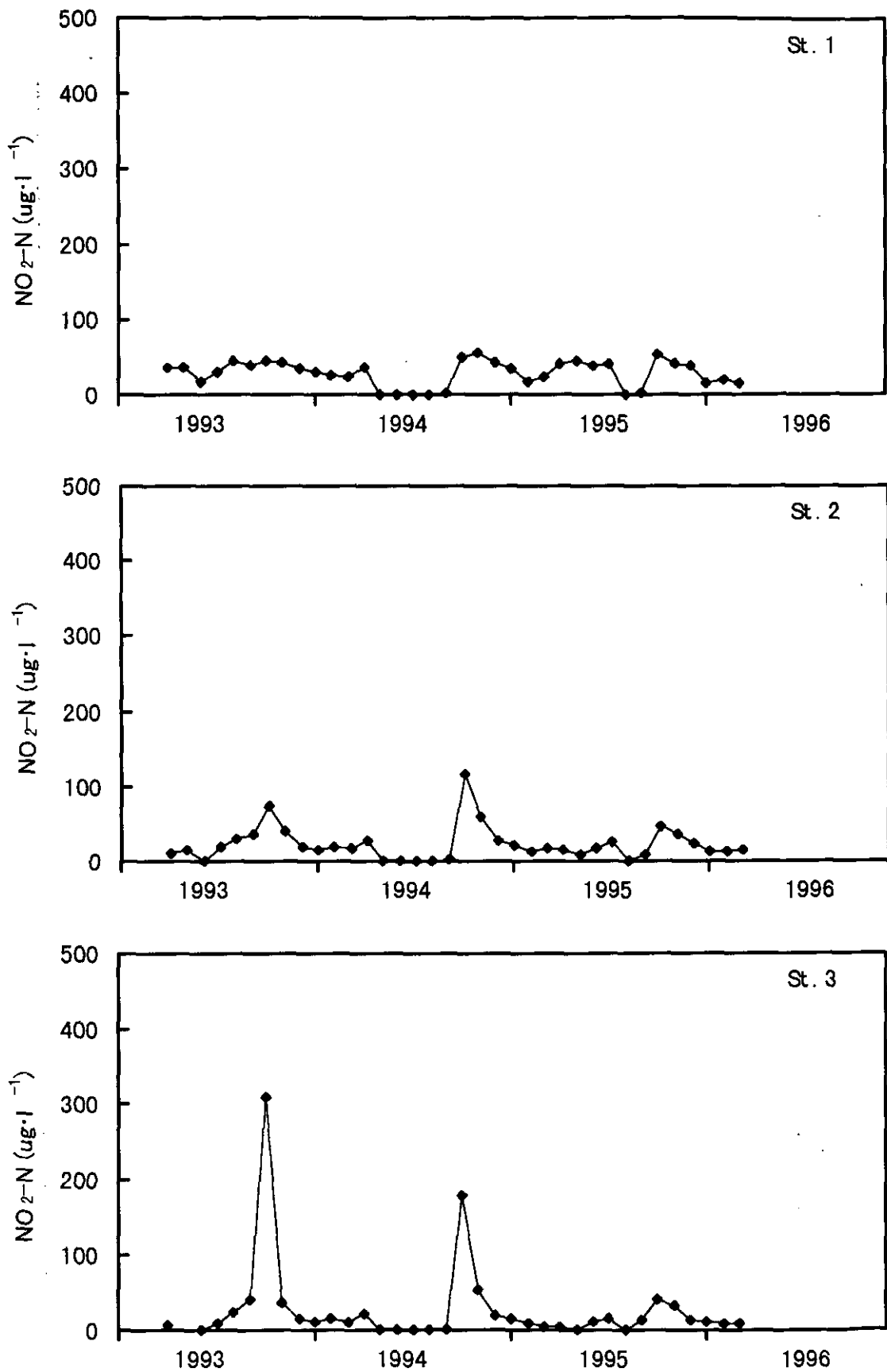


図 8(a) 霞ヶ浦各地点における $\text{NO}_2\text{-N}$ 濃度の経年変化
 Fig. 8(a) Annual changes in $\text{NO}_2\text{-N}$ concentration at each station of Lake Kasumigaura

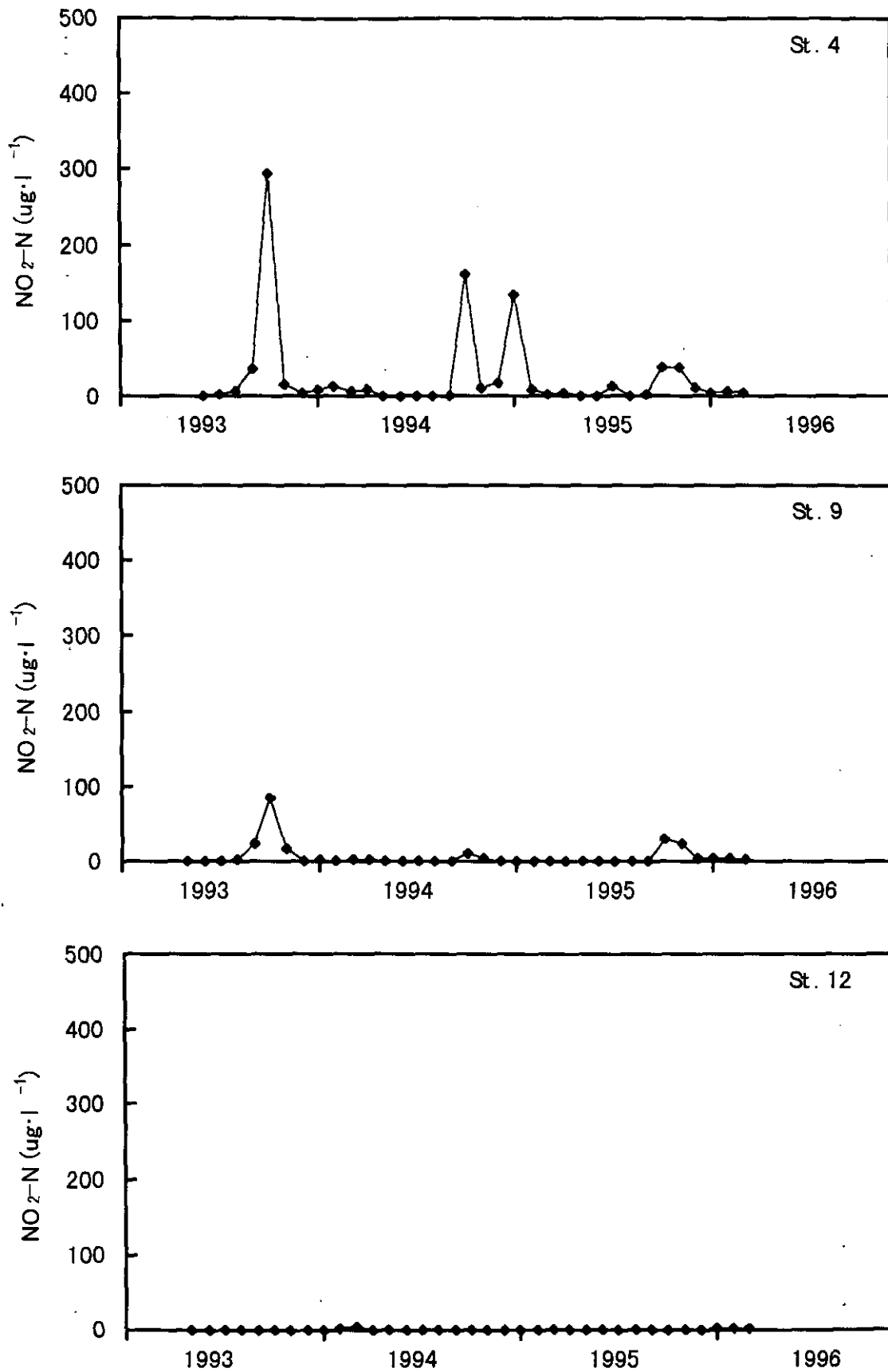


図 8(b) 霞ヶ浦各地点における $\text{NO}_2\text{-N}$ 濃度の経年変化
 Fig. 8(b) Annual changes in $\text{NO}_2\text{-N}$ concentration at each station of Lake Kasumigaura

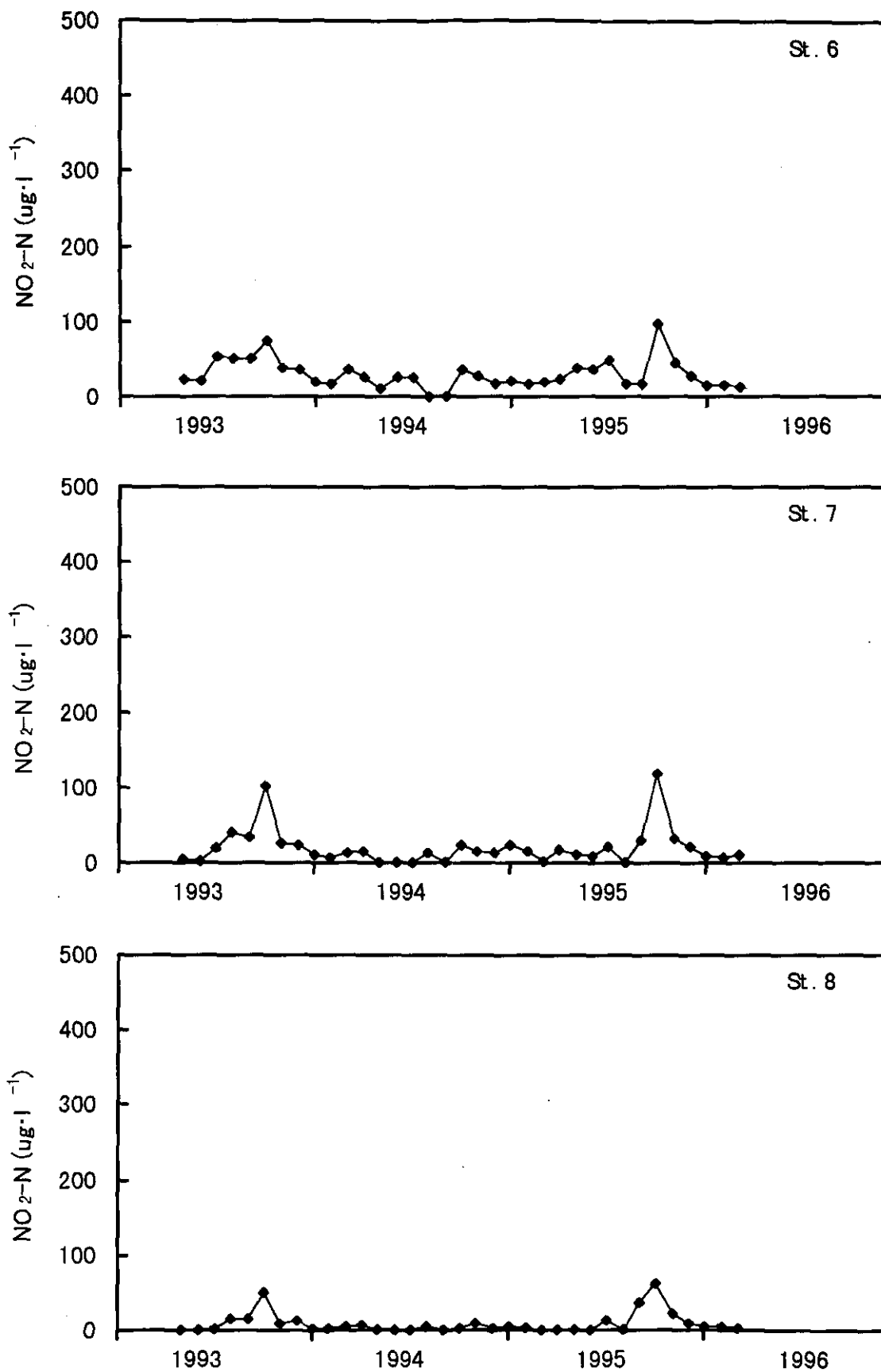


図 8(c) 霞ヶ浦各地点におけるNO₂-N濃度の経年変化
 Fig. 8(c) Annual changes in NO₂-N concentration at each station of Lake Kasumigaura

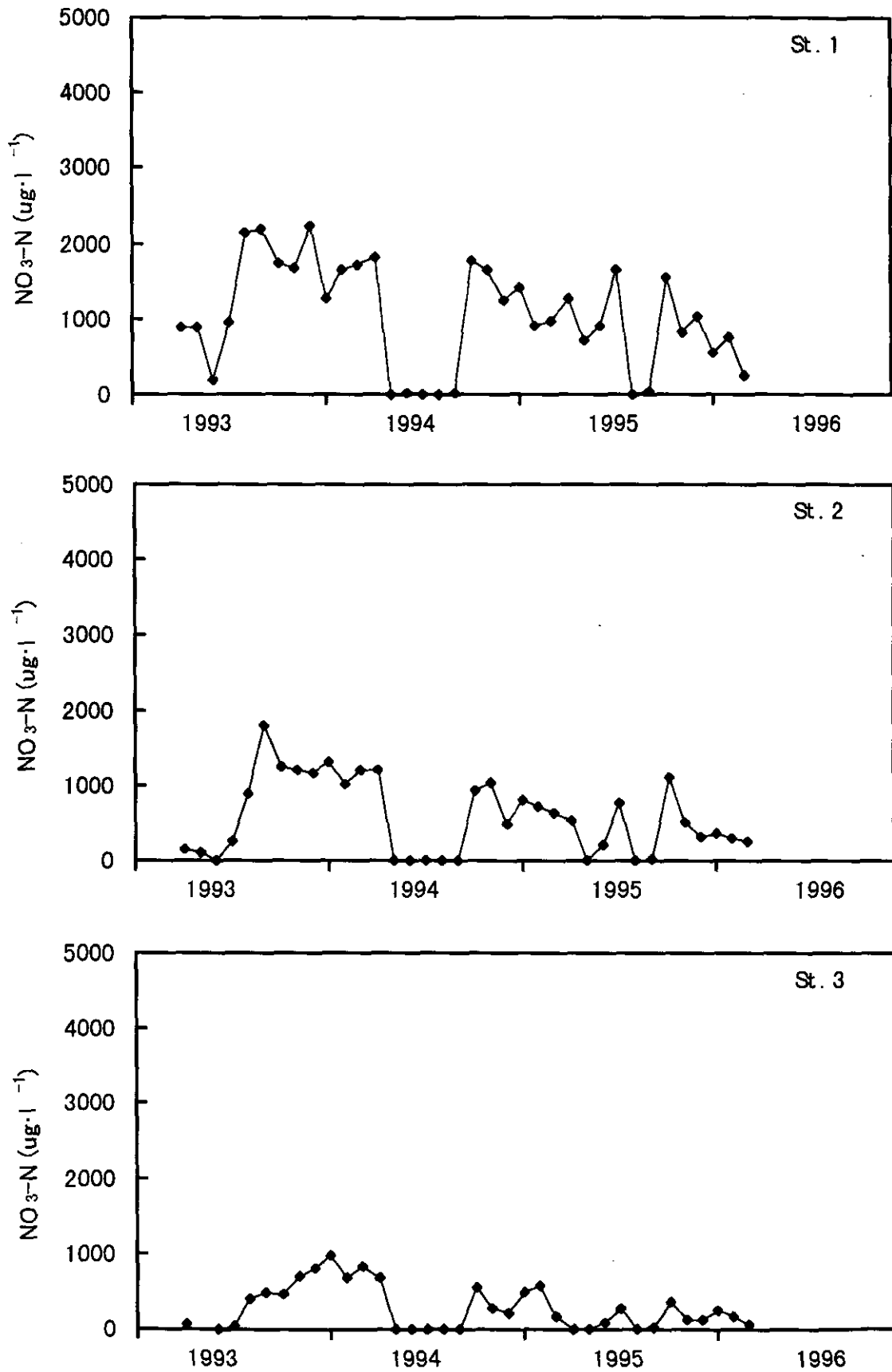


図 9(a) 霞ヶ浦各地点における $\text{NO}_3\text{-N}$ 濃度の経年変化
 Fig. 9(a) Annual changes in $\text{NO}_3\text{-N}$ concentration at each station of Lake Kasumigaura

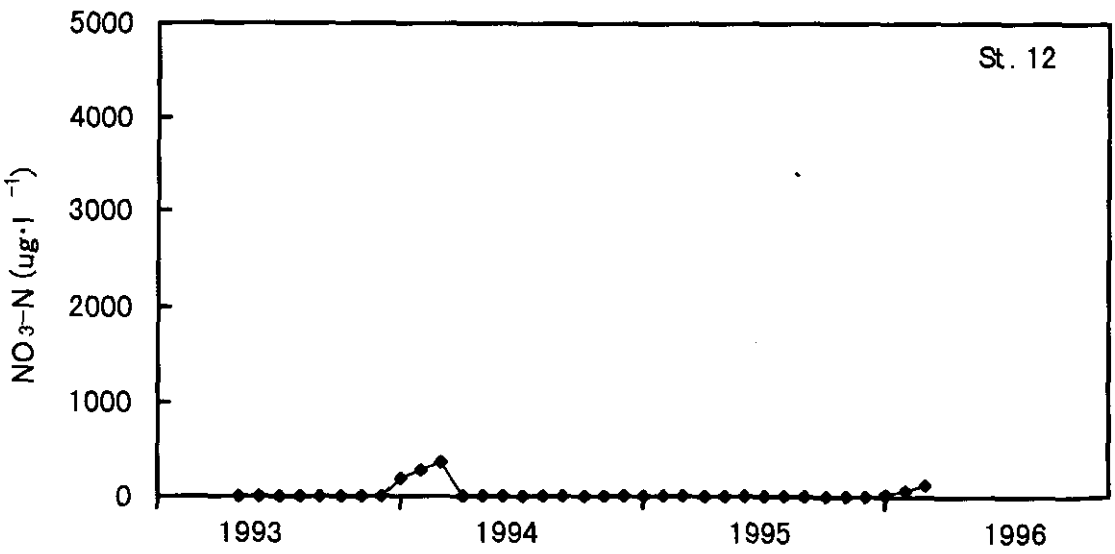
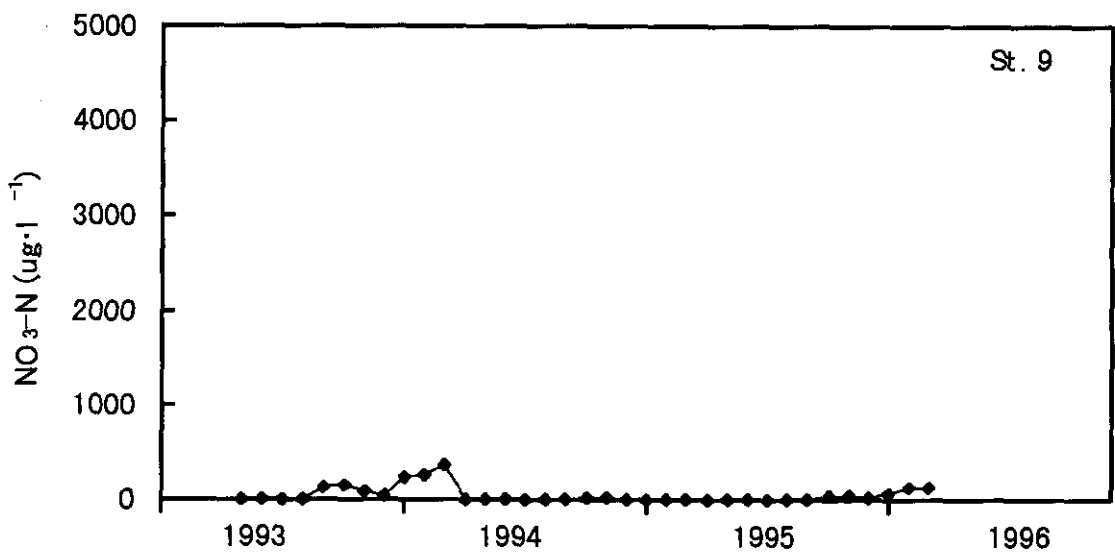
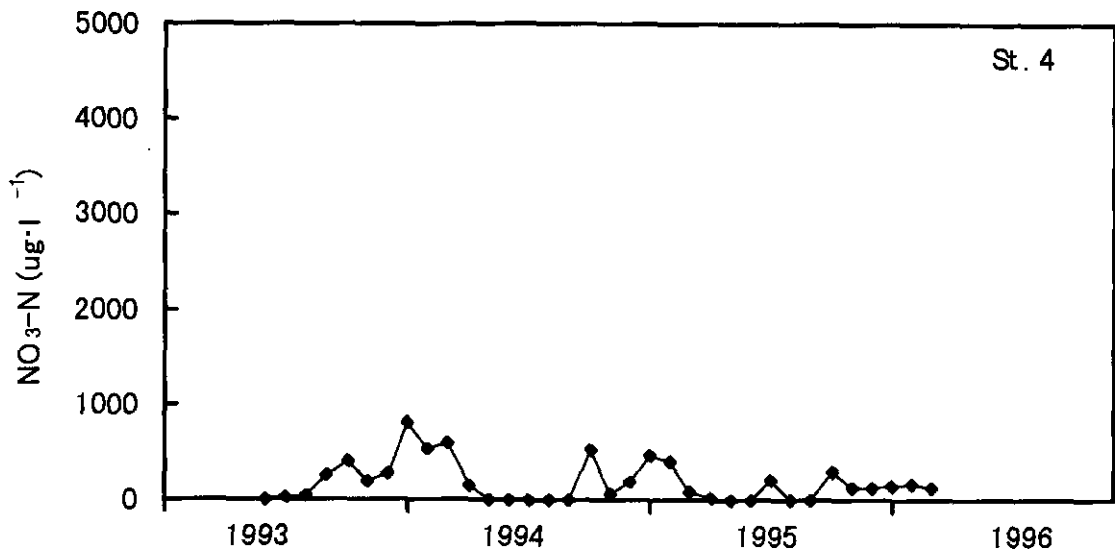


図 9(b) 霞ヶ浦各地点におけるNO₃-N濃度の経年変化
 Fig. 9(b) Annual changes in NO₃-N concentration at each station of Lake Kasumigaura

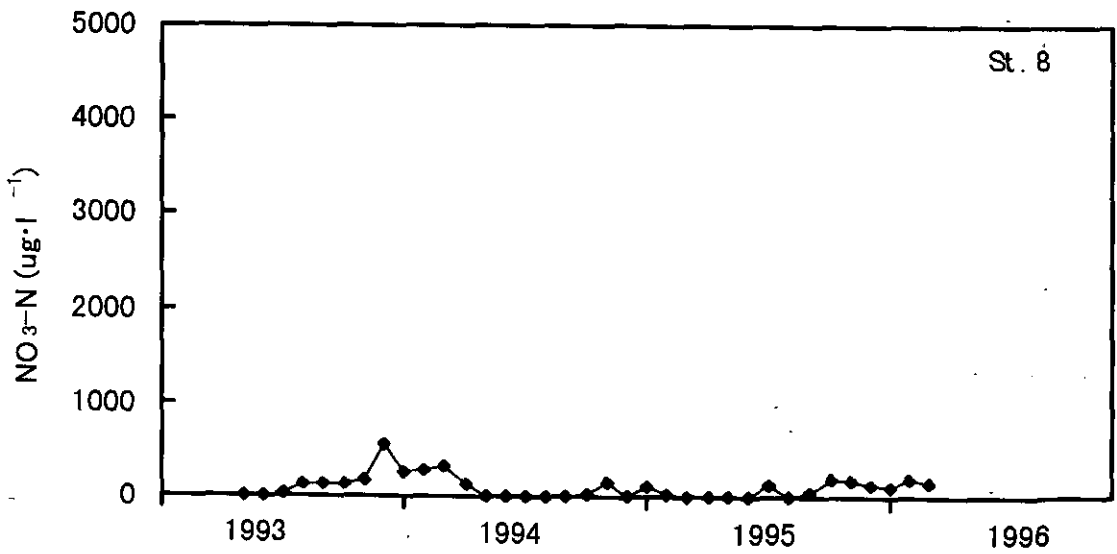
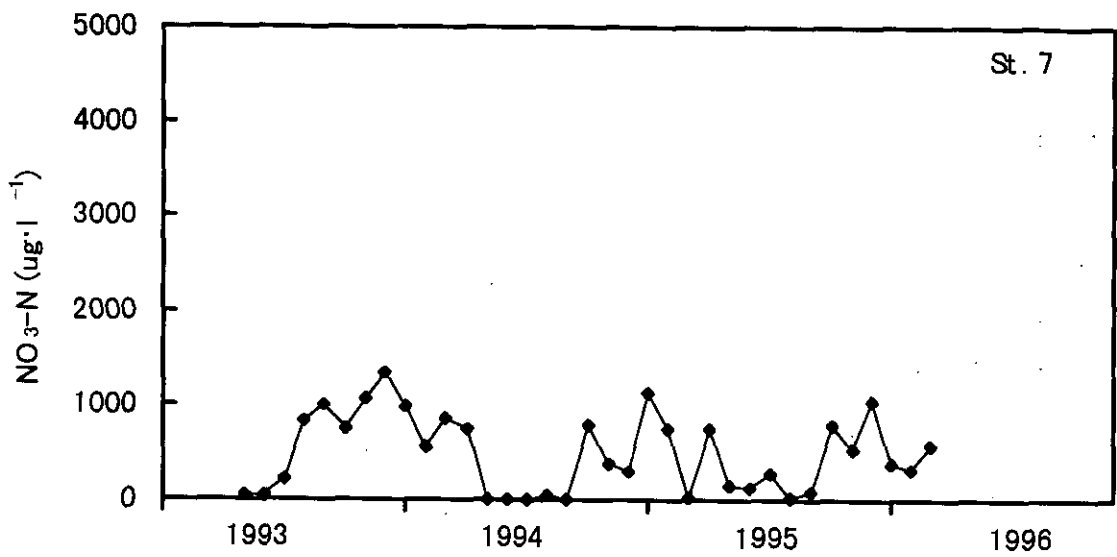
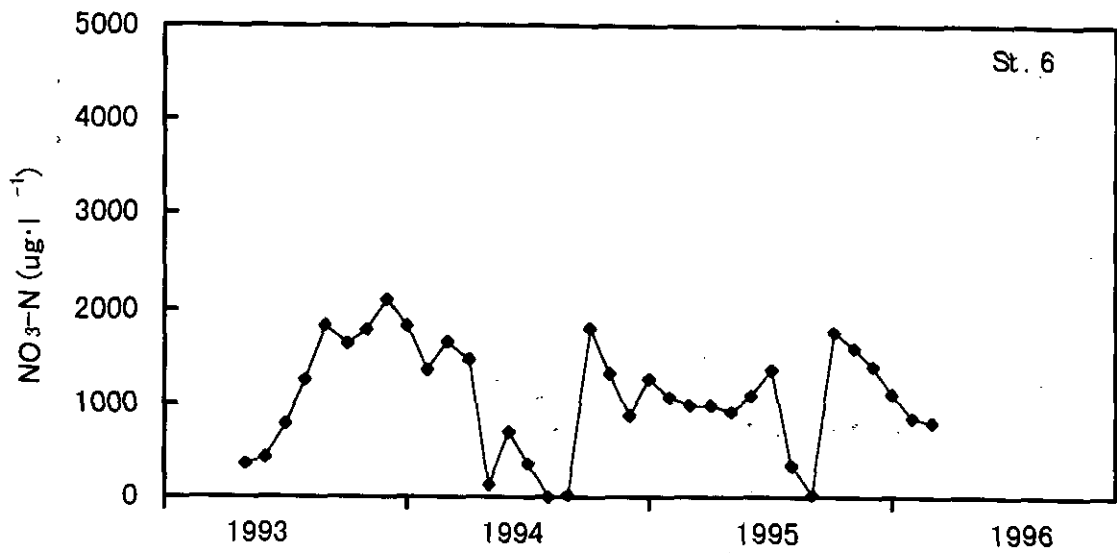


図 9(c) 霞ヶ浦各地点におけるNO₃-N濃度の経年変化
 Fig. 9(c) Annual changes in NO₃-N concentration at each station of Lake Kasumigaura

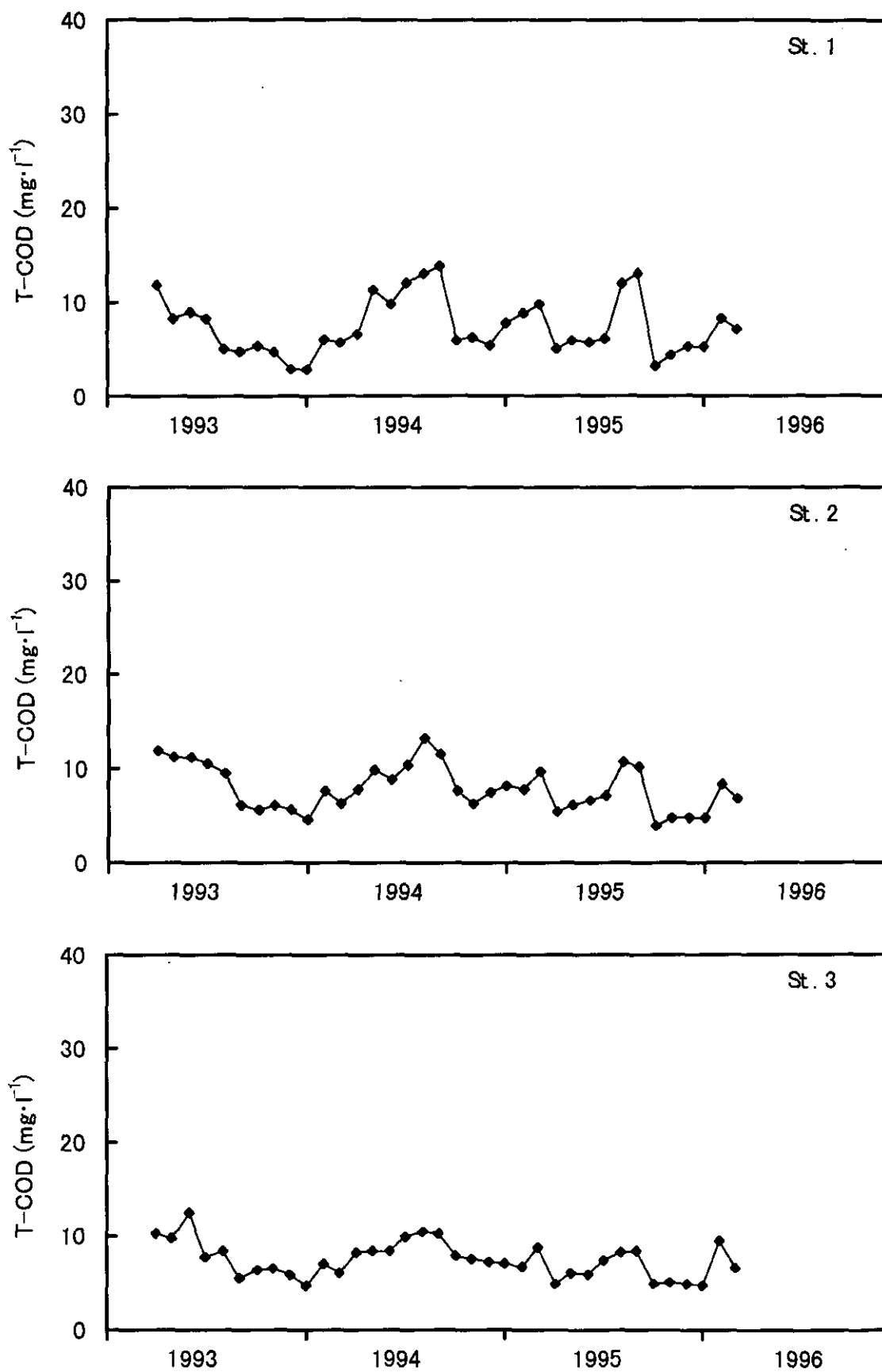


図 10(a) 霞ヶ浦各地点におけるT-COD濃度の経年変化
 Fig. 10(a) Annual changes in T-COD concentration at each station of Lake Kasumigaura

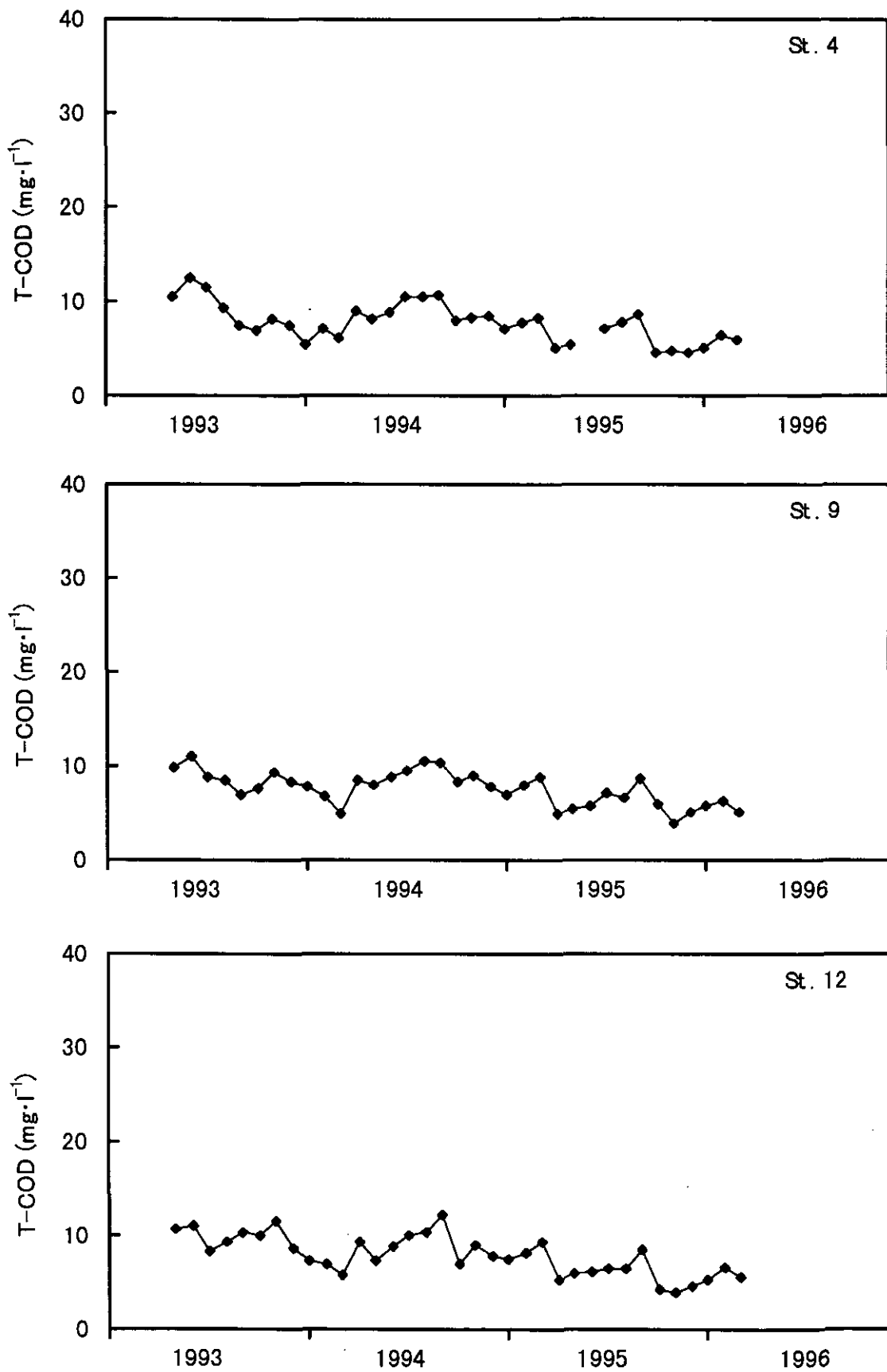


図 10(b) 霞ヶ浦各地点におけるT-COD濃度の経年変化
 Fig. 10(b) Annual changes in T-COD concentration at each station of Lake Kasumigaura

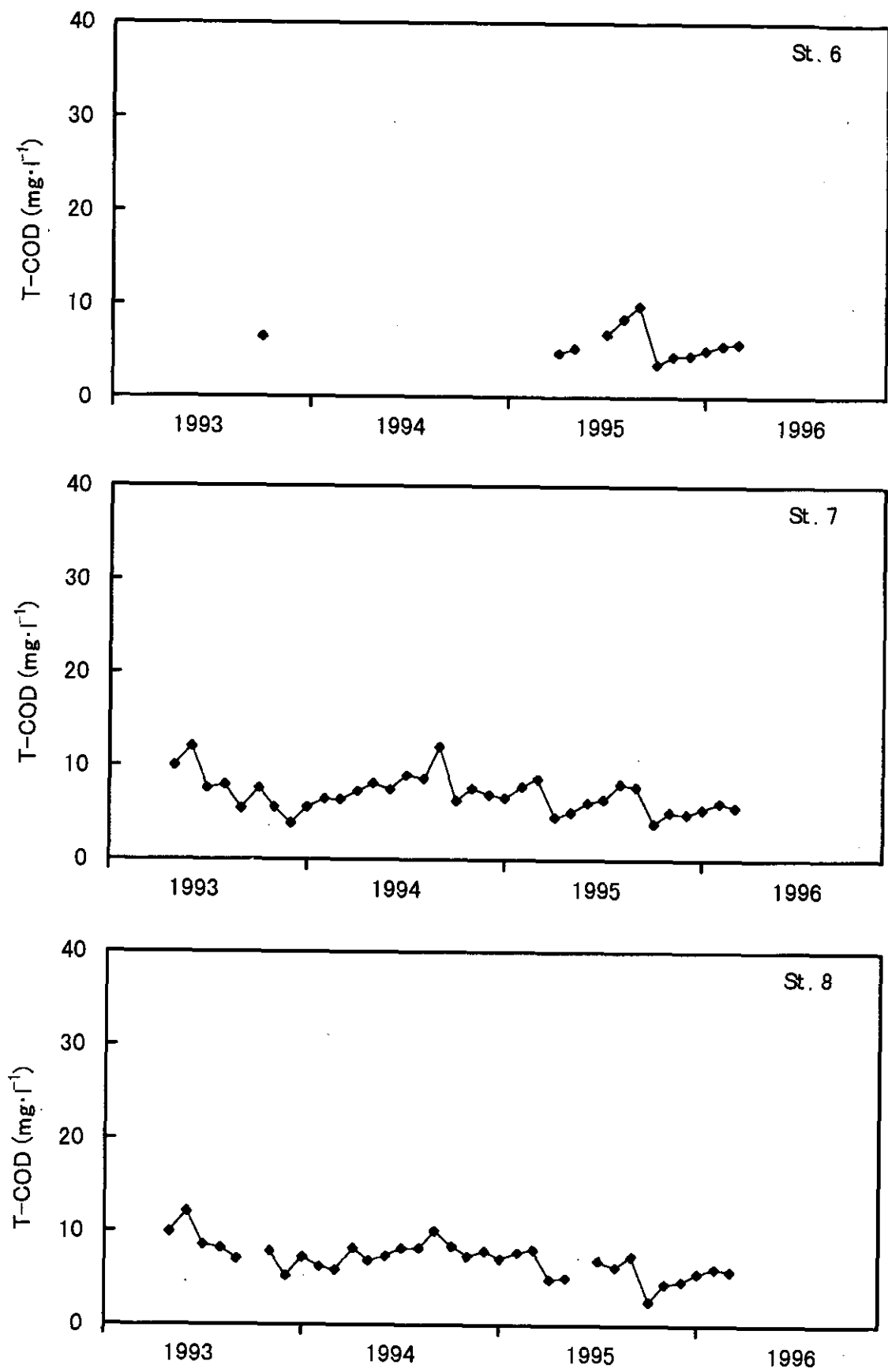


図 10(c) 霞ヶ浦各地点におけるT-COD濃度の経年変化
 Fig. 10(c) Annual changes in T-COD concentration at each station of Lake Kasumigaura

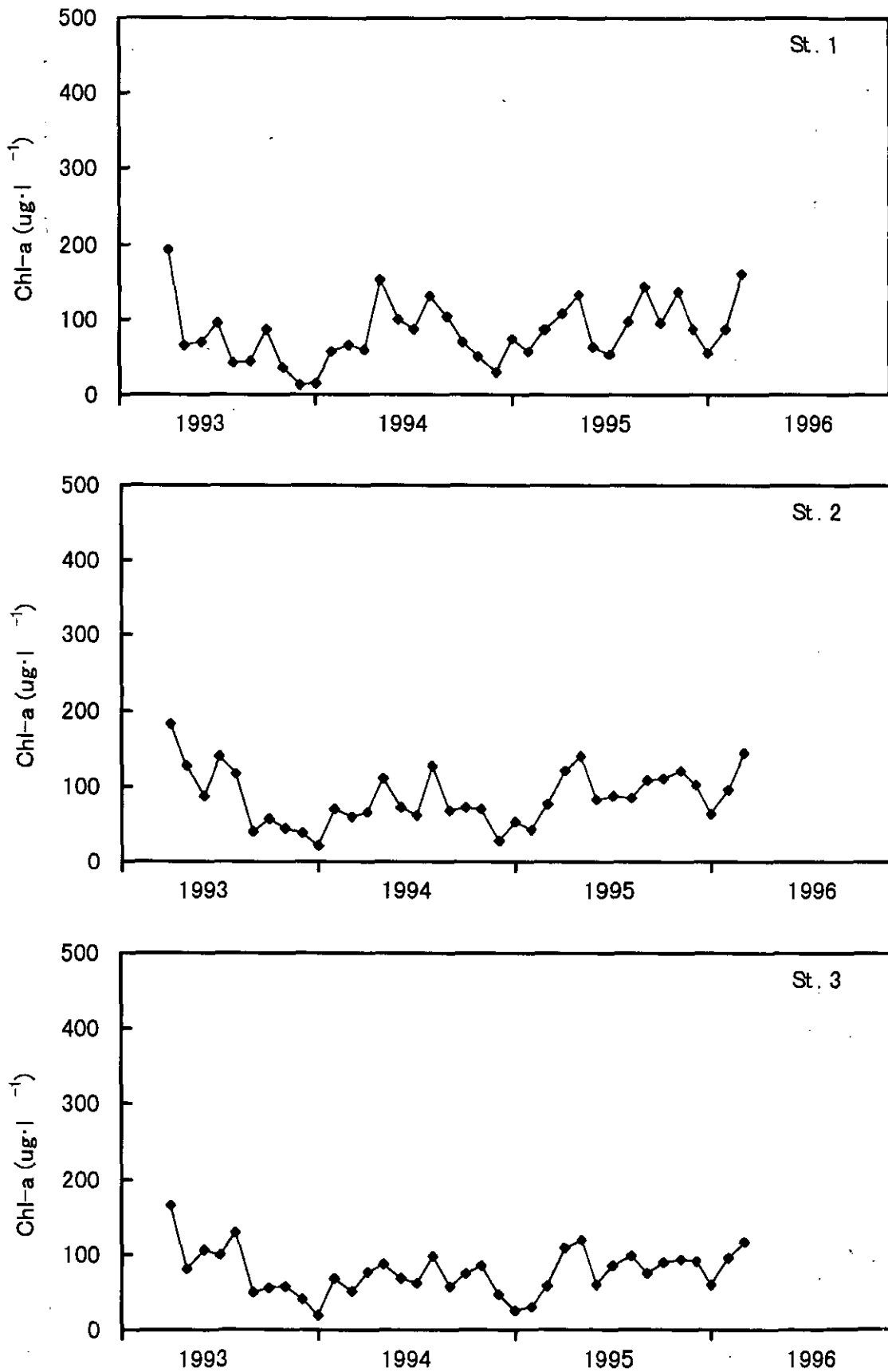


図 11(a) 霞ヶ浦各地点におけるクロロフィルa濃度の経年変化
 Fig. 11(a) Annual changes in Chl-a concentration at each station of Lake Kasumigaura

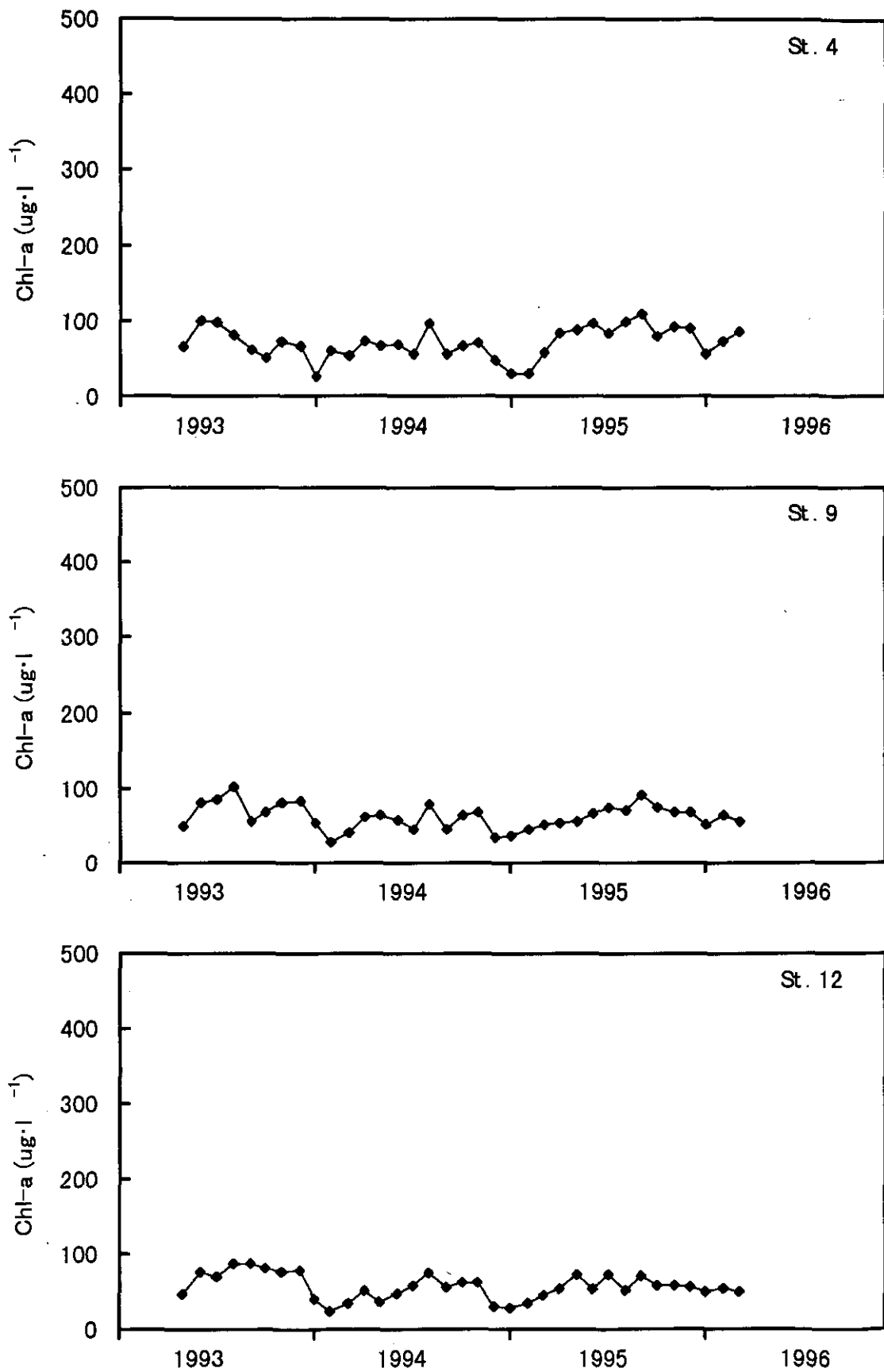


図 11(b) 霞ヶ浦各地点におけるクロロフィルa濃度の経年変化
 Fig. 11(b) Annual changes in Chl-a concentration at each station of Lake Kasumigaura

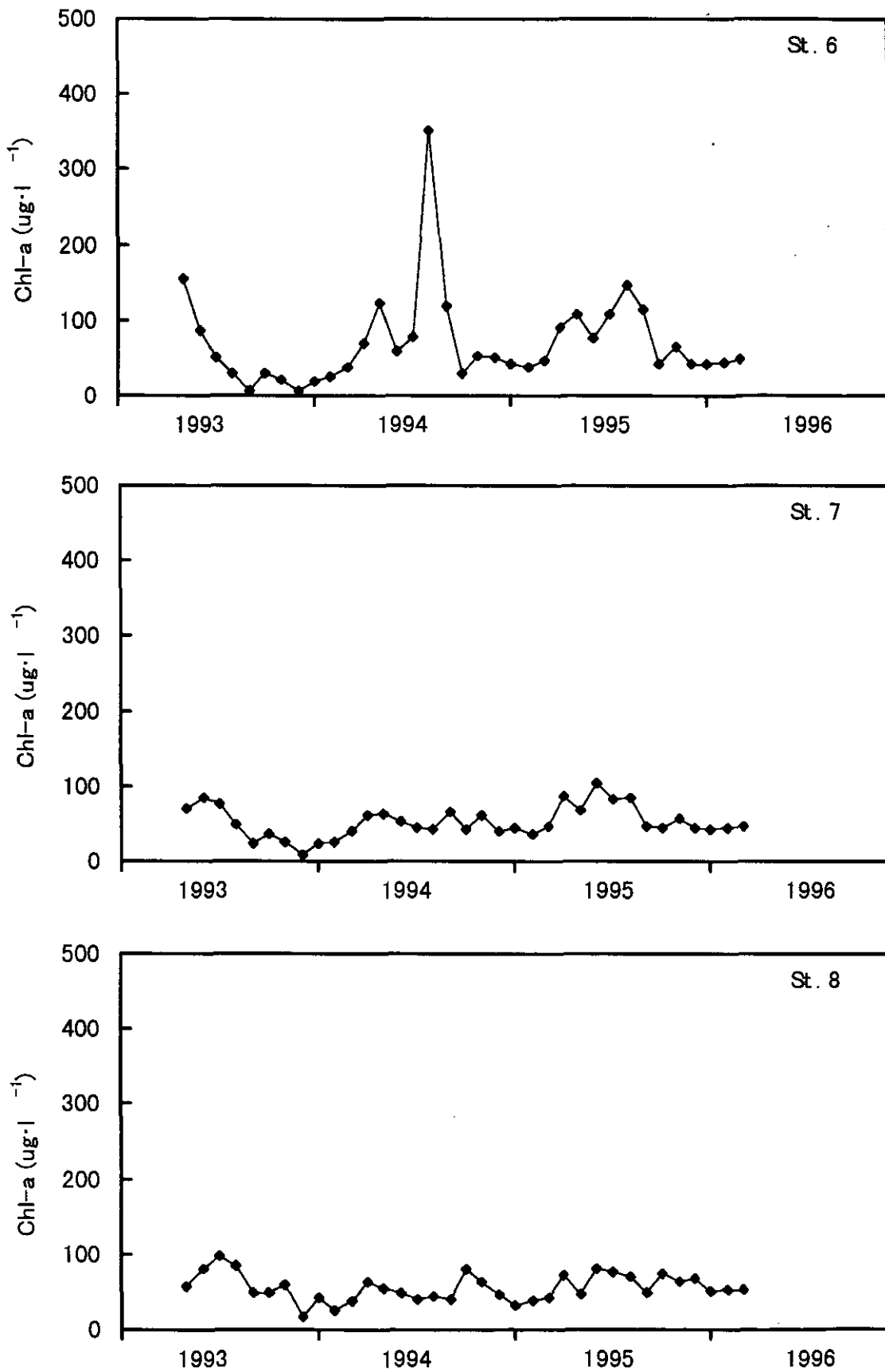


図 11(c) 霞ヶ浦各地点におけるクロロフィルa濃度の経年変化
 Fig. 11(c) Annual changes in Chl-a concentration at each station of Lake Kasumigaura

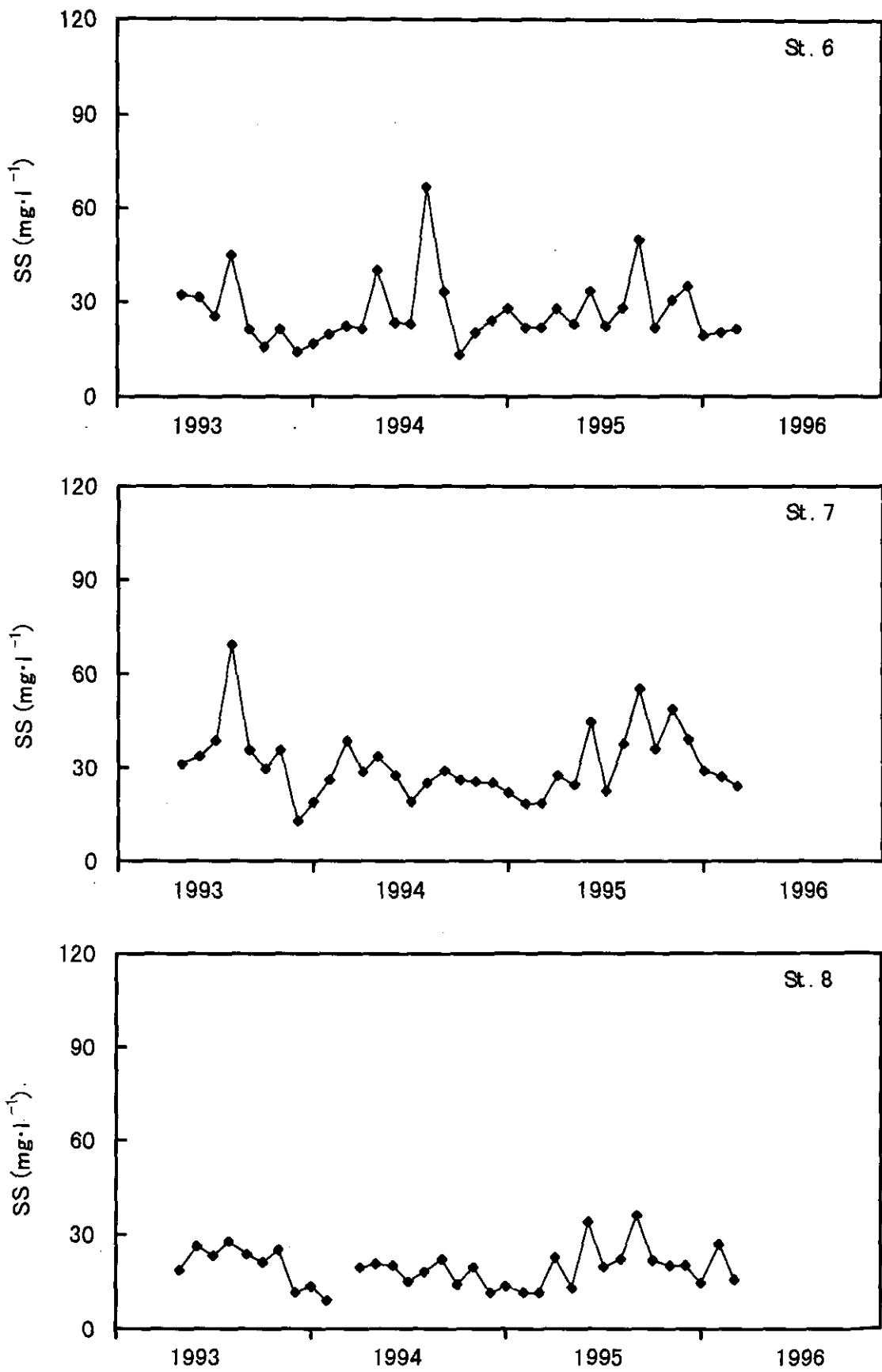


図 12(c) 霞ヶ浦各地点におけるSS濃度の経年変化
 Fig. 12(c) Annual changes in SS concentration at each station of Lake Kasumigaura

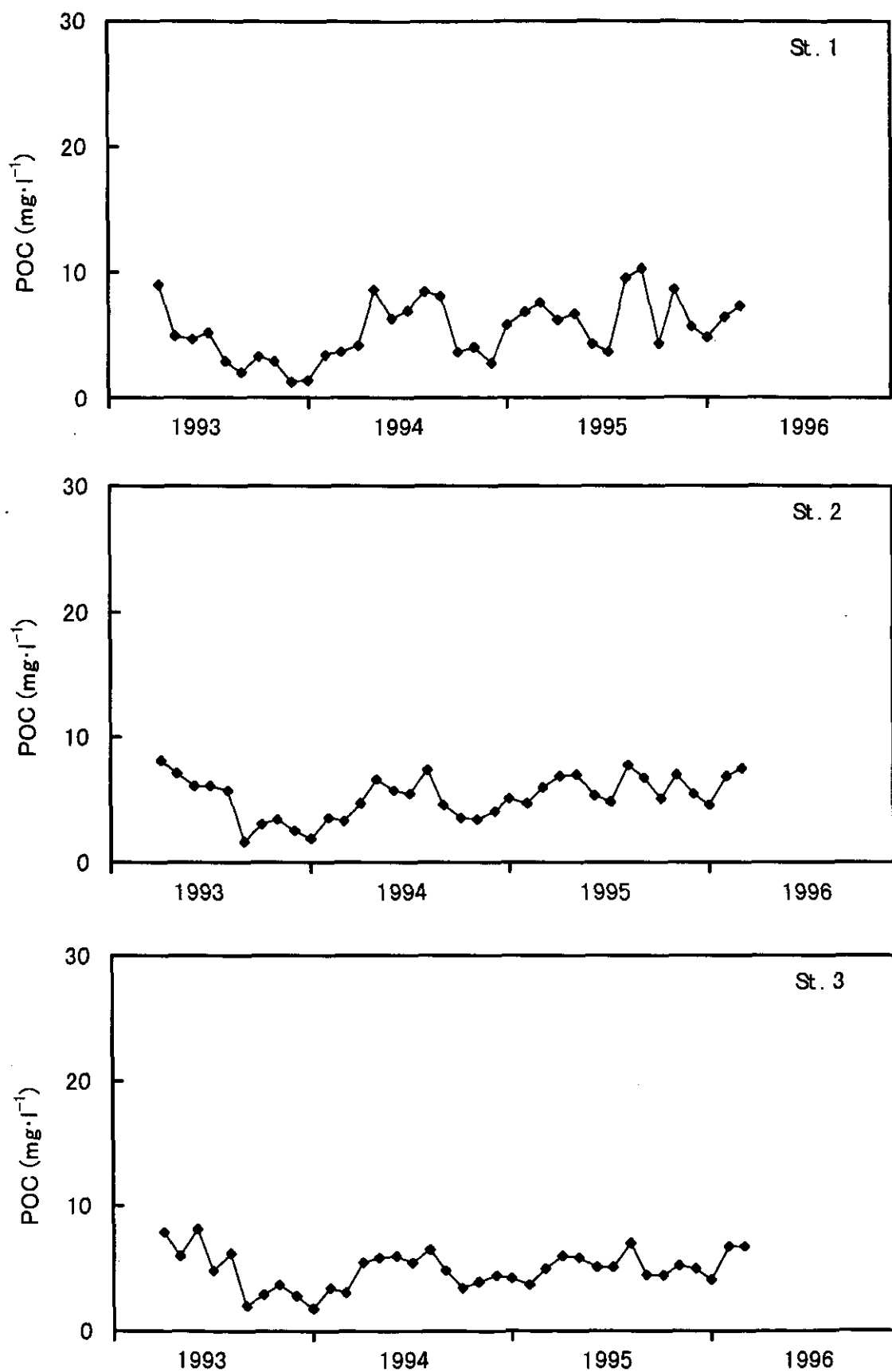


図 13(a) 霞ヶ浦各地点におけるPOC濃度の経年変化
 Fig. 13(a) Annual changes in POC concentration at each station of Lake Kasumigaura

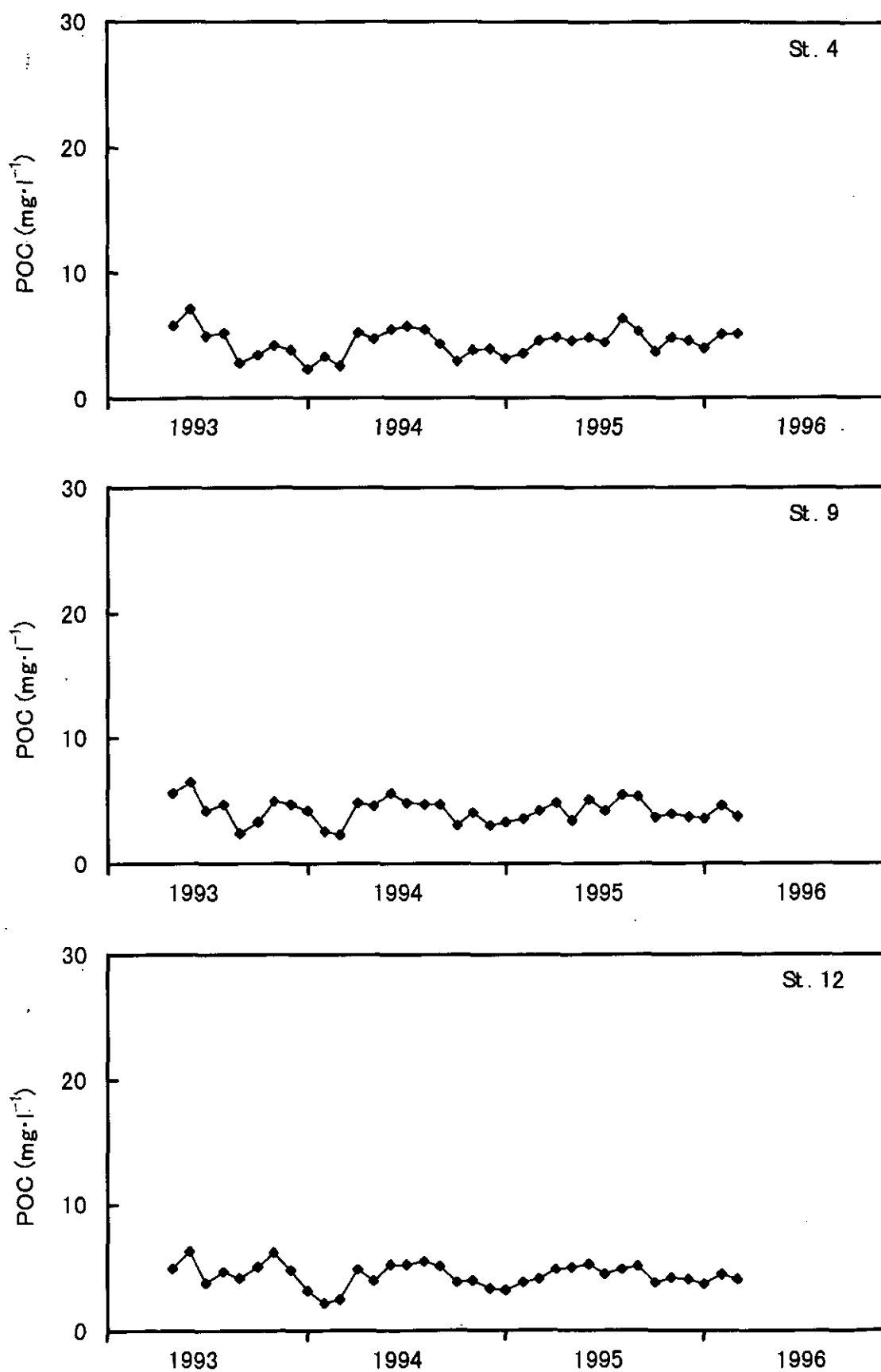


図 13(b) 霞ヶ浦各地点におけるPOC濃度の経年変化
 Fig. 13(b) Annual changes in POC concentration at each station of Lake Kasumigaura

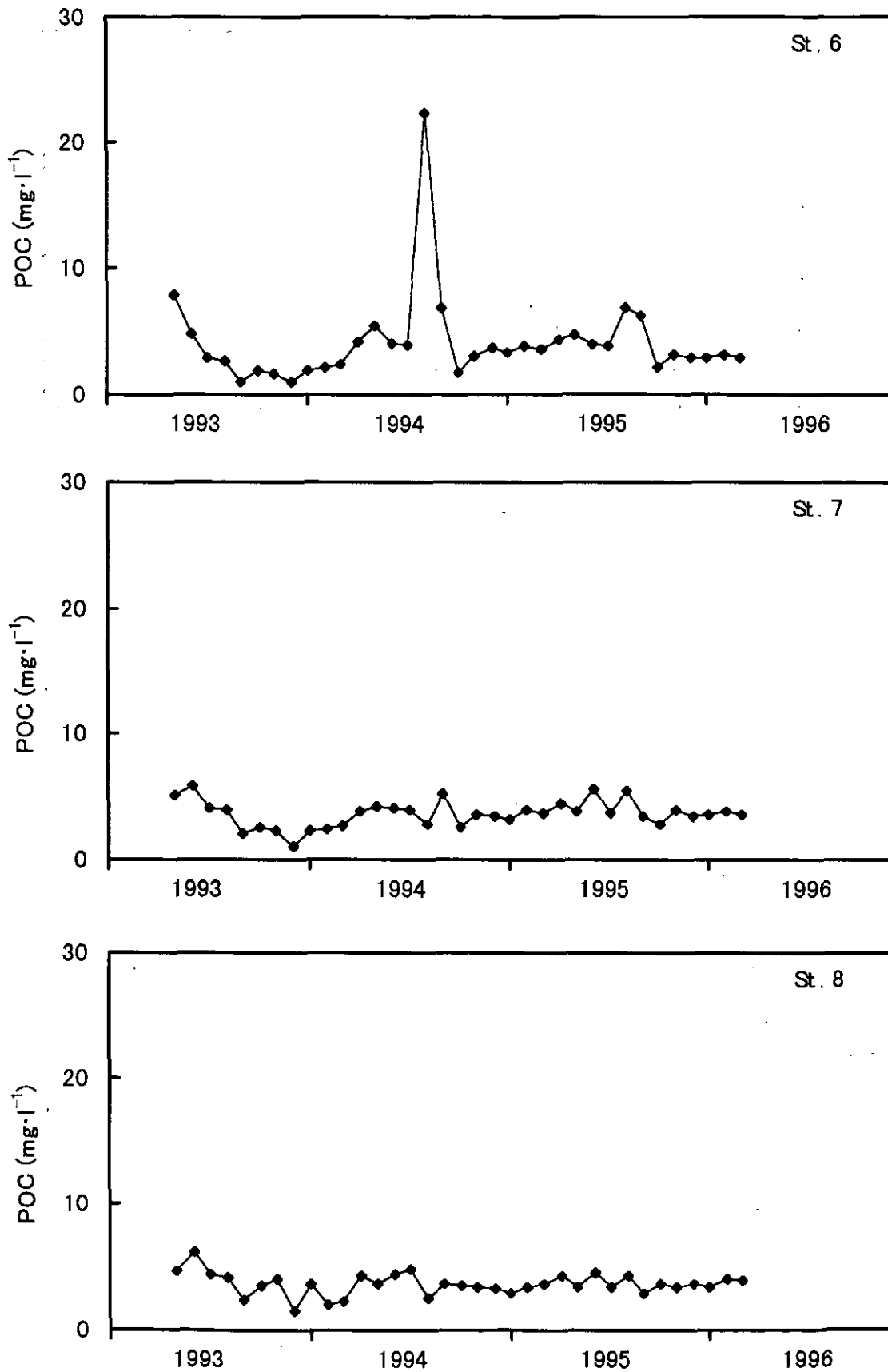


図 13(c) 霞ヶ浦各地点におけるPOC濃度の経年変化
 Fig. 13(c) Annual changes in POC concentration at each station of Lake Kasumigaura

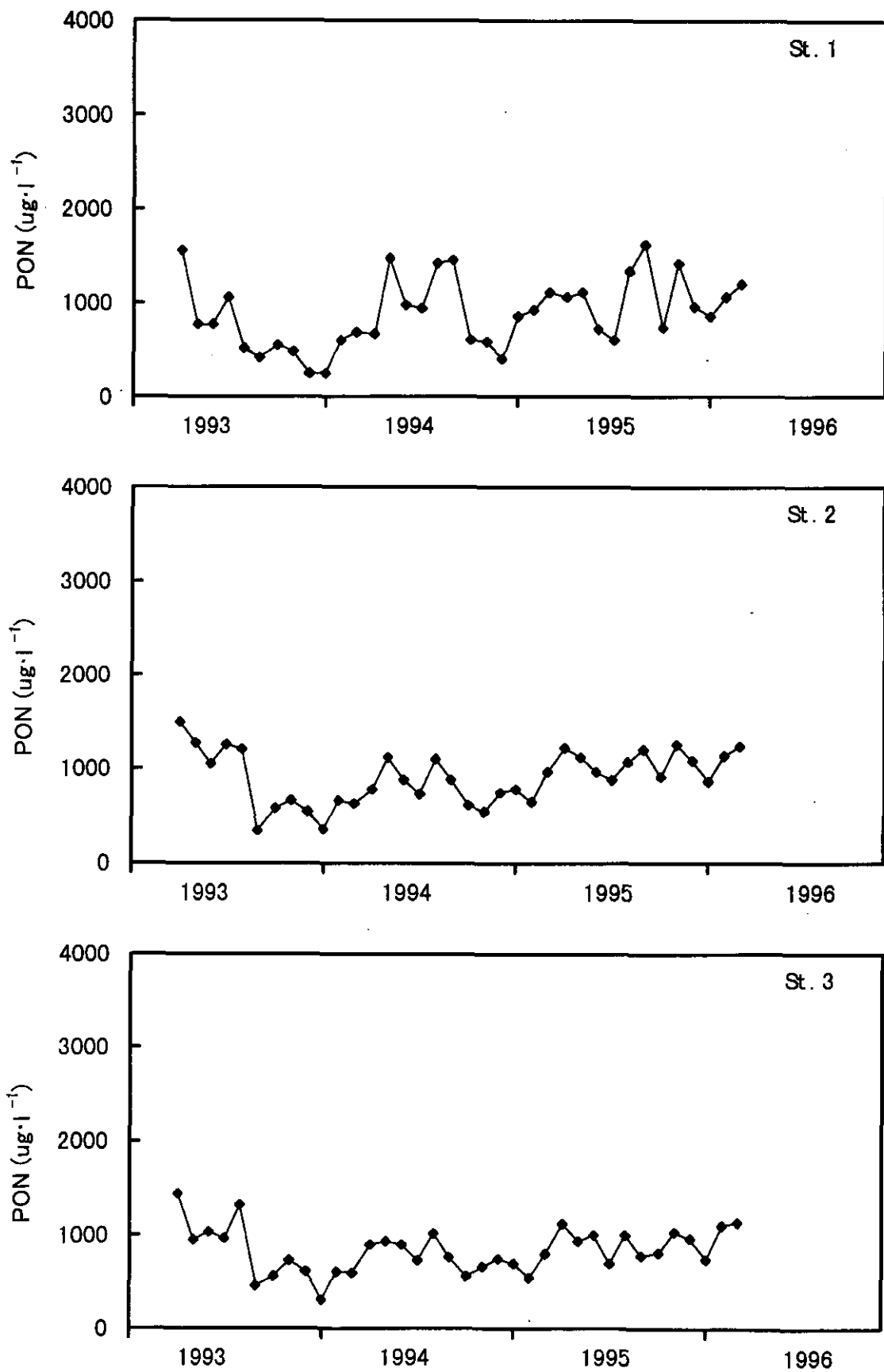


図 14(a) 霞ヶ浦各地点におけるPON濃度の経年変化
 Fig. 14(a) Annual changes in PON concentration at each station of Lake Kasumigaura

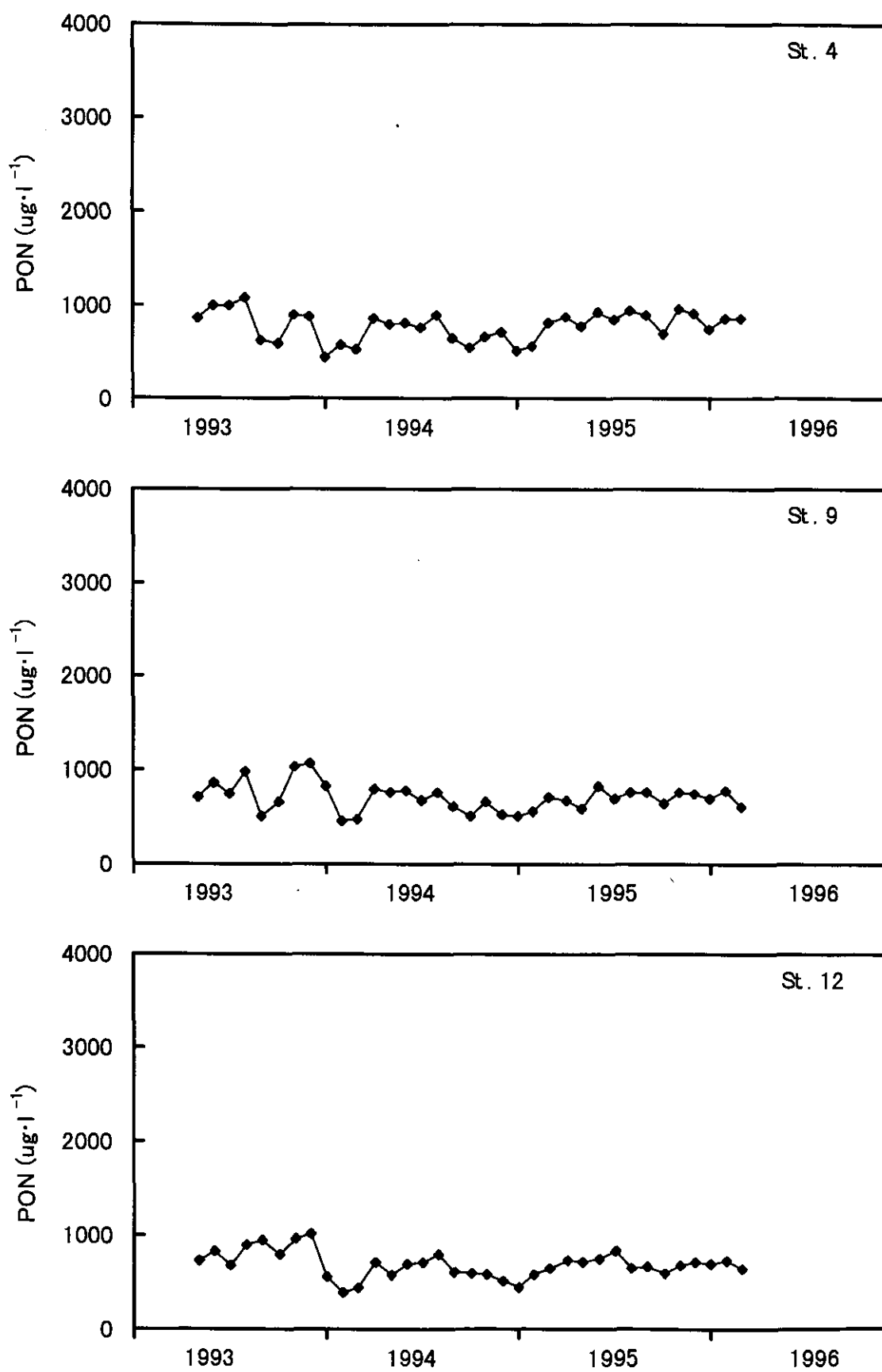


図 14(b) 霞ヶ浦各地点におけるPON濃度の経年変化
 Fig. 14(b) Annual changes in PON concentration at each station of Lake Kasumigaura

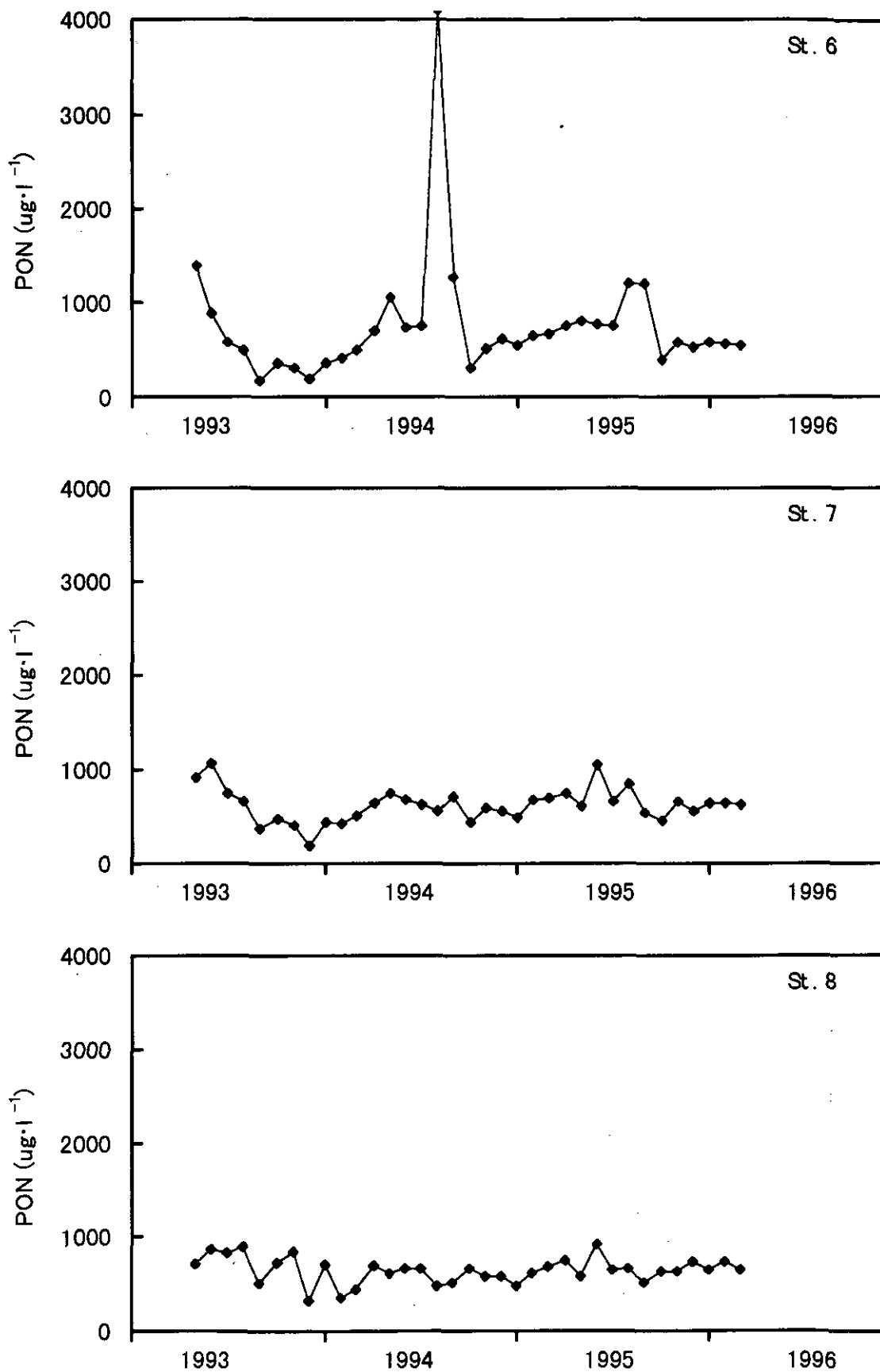


図 14(c) 霞ヶ浦各地点におけるPON濃度の経年変化
 Fig. 14(c) Annual changes in PON concentration at each station of Lake Kasumigaura

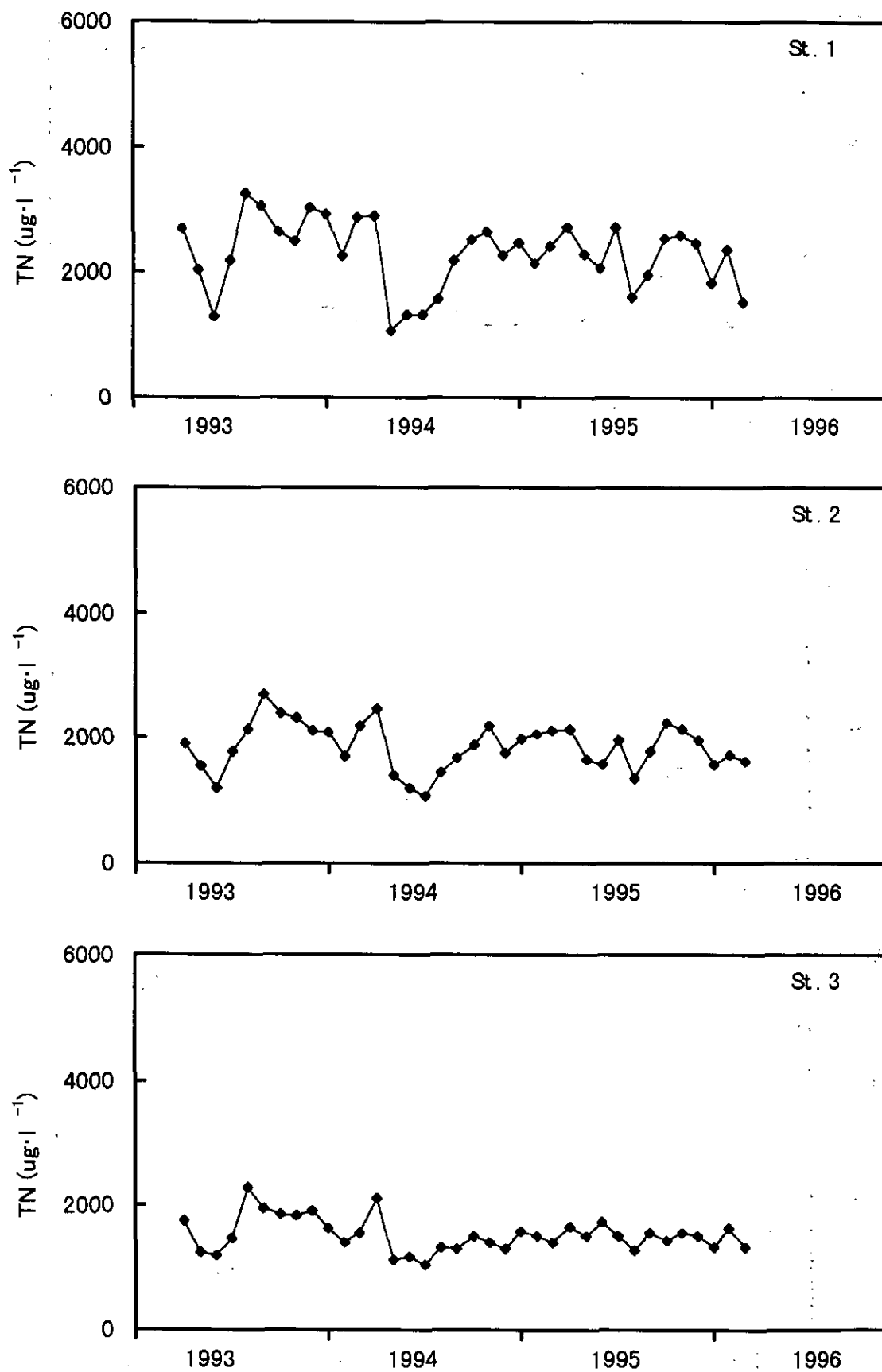


図 15(a) 霞ヶ浦各地点におけるTN濃度の経年変化
 Fig. 15(a) Annual changes in TN concentration at each station of Lake Kasumigaura

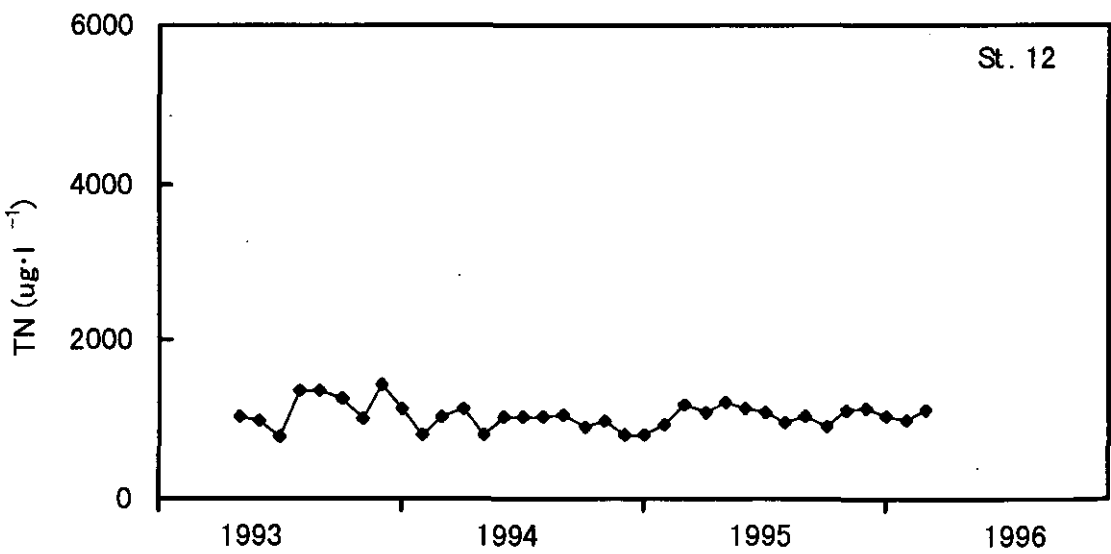
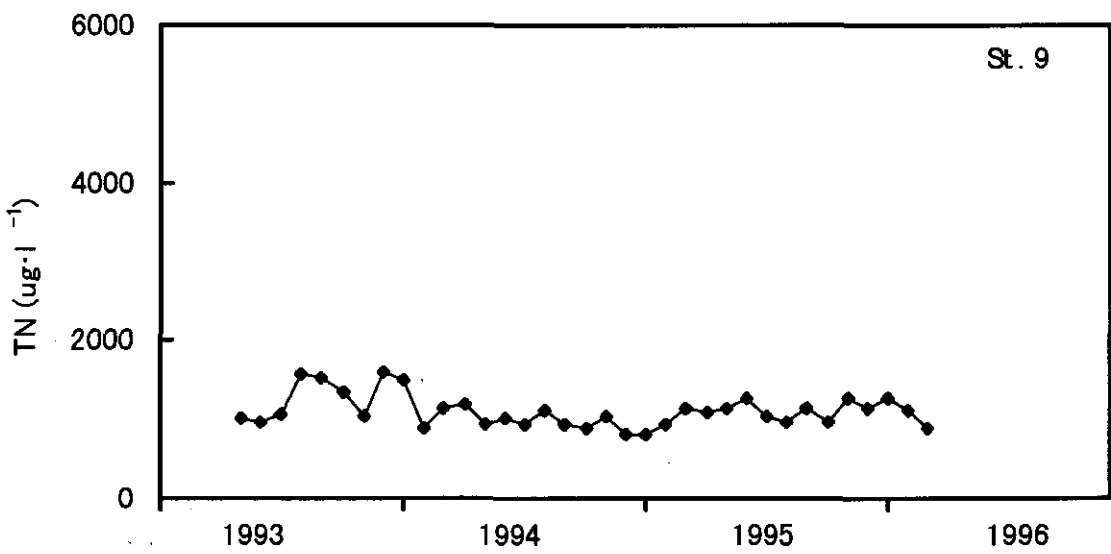
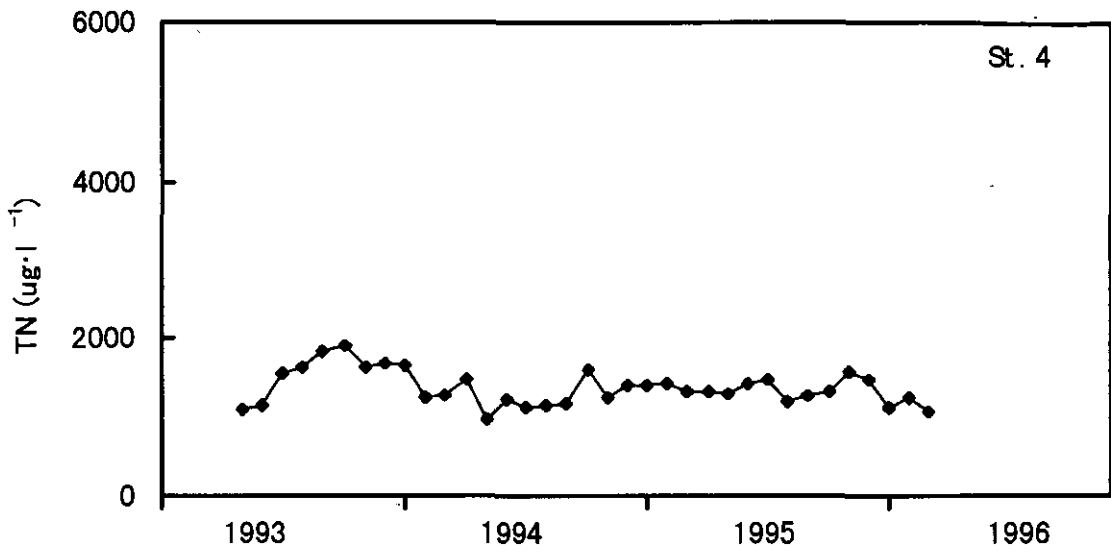


図 15(b) 霞ヶ浦各地点におけるTN濃度の経年変化
 Fig. 15(b) Annual changes in TN concentration at each station of Lake Kasumigaura

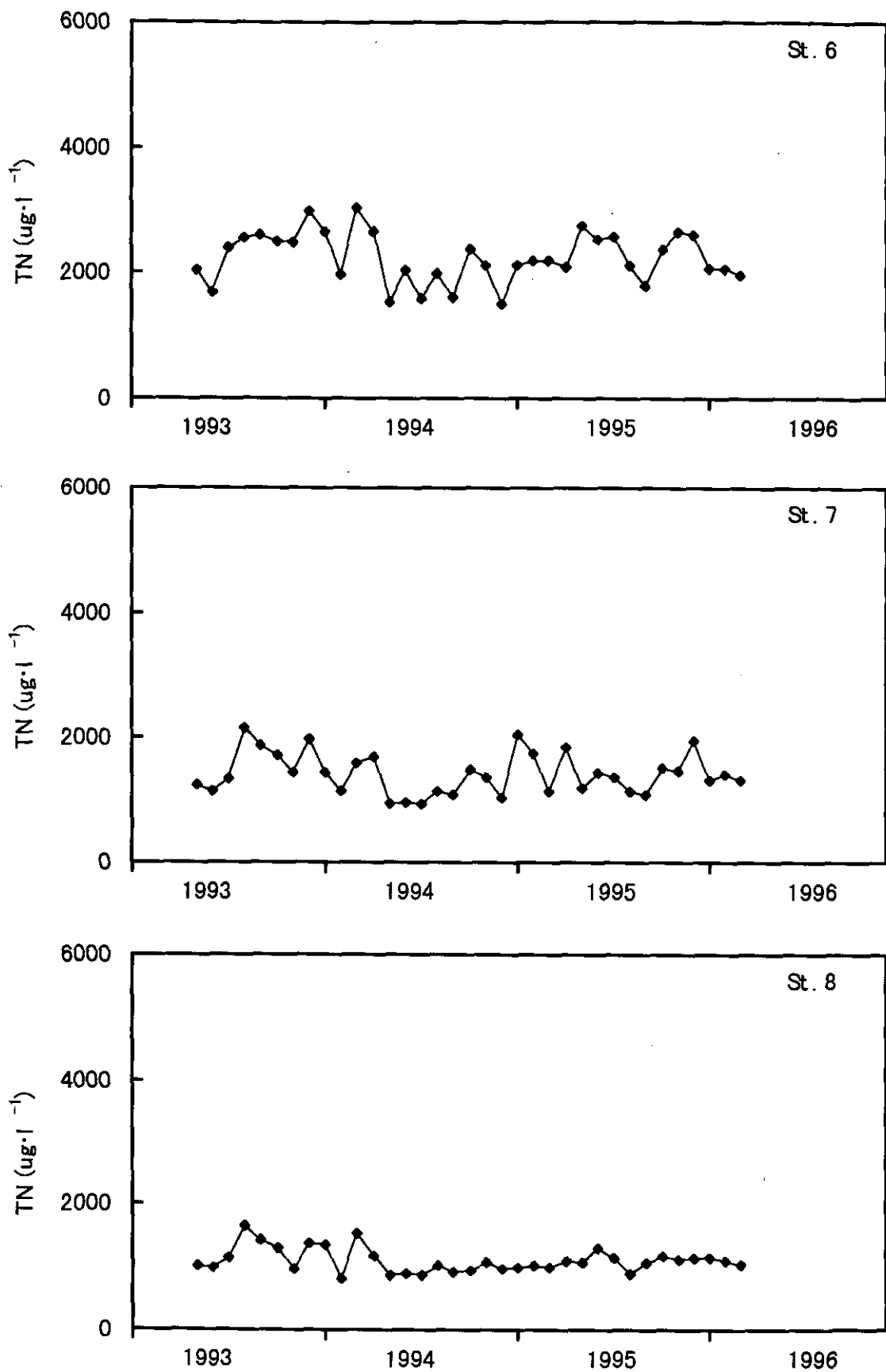


図 15(c) 霞ヶ浦各地点におけるTN濃度の経年変化
 Fig. 15(c) Annual changes in TN concentration at each station of Lake Kasumigaura

1993/04/07

| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|--|-------|-------|---------|-------|-------|---------|-------|---------|-------|---------|
| Time | 11:43 | 12:22 | 12:31 | 13:09 | 14:17 | 13:52 | 13:38 | 10:47 | 10:38 | 11:20 |
| Depth (m) | 2.5 | | 4.1 | | | 3.0 | | 5.9 | | 4.1 |
| Transp(cm) | 40 | 50 | 60 | 60 | 75 | 65 | 65 | 95 | 85 | 75 |
| E.C(us/cm) | 207 | 240 | 244 | 278 | 290 | 287 | 290 | 295 | 297 | 350 |
| W.Temp. 0m | 12.4 | | 11.9 | | | 12.1 | | 11.3 | | 11.5 |
| 0.5m | 12.4 | | 11.9 | | | 12.1 | | 11.2 | | 11.5 |
| 1m | 12.4 | | 11.9 | | | 12.1 | | 11.2 | | 11.2 |
| 2m | 12.3 | | 11.9 | | | 12.0 | | 11.1 | | 10.7 |
| 3m | | | 11.8 | | | 12.0 | | 11.0 | | 10.7 |
| 4m | | | 11.7 | | | | | 10.7 | | 10.7 |
| 5m | | | | | | | | 10.6 | | |
| 6m | | | | | | | | | | |
| bot. | 12.3 | | | | | | | 10.6 | | |
| DO(mg/l) 0m | 13.4 | | 12.3 | | | 12.3 | | 12.5 | | 12.1 |
| 0.5m | 13.1 | | 12.1 | | | 12.2 | | 12.3 | | 11.8 |
| 1m | 13.1 | | 12.0 | | | 12.1 | | 12.1 | | 11.6 |
| 2m | 13.0 | | 11.7 | | | 12.1 | | 12.0 | | 11.5 |
| 3m | | | 11.5 | | | 11.8 | | 11.7 | | 11.3 |
| 4m | | | 11.1 | | | | | 11.5 | | 11.0 |
| 5m | | | | | | | | 11.5 | | |
| 6m | | | | | | | | | | |
| bot. | 12.8 | | | | | | | 11.0 | | |
| L.I. air | | | 2,372.0 | | | 1,914.0 | | 2,266.0 | | 2,100.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 1,405.0 | | | 1,771.0 | | 1,697.0 | | 1,580.0 |
| 0.25m | | | 334.0 | | | 633.0 | | 766.0 | | 550.0 |
| 0.5m | | | 124.0 | | | 178.0 | | 394.0 | | 310.0 |
| 0.75m | | | 41.9 | | | 60.4 | | 207.0 | | 142.0 |
| 1m | | | 12.8 | | | 16.8 | | 87.0 | | 72.0 |
| 1.5m | | | 1.0 | | | 1.8 | | 19.8 | | 16.1 |
| 2m | | | | | | 0.8 | | 4.2 | | 3.9 |
| 3m | | | | | | | | 0.5 | | 0.4 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.10 | | 9.32 | | | 8.95 | | 9.25 | | 9.30 |
| 0.5m | 9.12 | | 9.34 | | | 8.94 | | 9.28 | | 9.31 |
| 1m | 9.10 | | 9.33 | | | 8.93 | | 9.26 | | 9.30 |
| 2m | 9.12 | | 9.32 | | | 8.90 | | 9.24 | | 9.25 |
| 3m | | | 9.31 | | | 8.77 | | 9.17 | | 9.18 |
| 4m | | | 9.06 | | | | | 9.16 | | 9.11 |
| 5m | | | | | | | | 9.14 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 9.07 | | |

| | | | | | | | | | | |
|---|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| PO ₄ -P $\mu\text{g}/\text{l}$ | 5 | 2 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 1 |
| DTP $\mu\text{g}/\text{l}$ | 18 | 13 | 12 | 11 | 18 | 15 | 11 | 10 | 9 | 11 |
| T.P. $\mu\text{g}/\text{l}$ | 264 | 184 | 169 | 125 | 135 | 136 | 111 | 96 | 92 | 111 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 16 | 14 | 13 | 10 | 17 | 15 | 9 | 8 | 11 | 18 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 36 | 11 | 6 | | 26 | 9 | 1 | 0 | 0 | 0 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 880 | 138 | 53 | 2 | 1,179 | 280 | 1 | 1 | 2 | 2 |
| TN $\mu\text{g}/\text{l}$ | 2,697 | 1,902 | 1,750 | 1,460 | 2,470 | 1,646 | 1,246 | 1,265 | 1,189 | 1,278 |
| D-COD mg/l | 3.3 | 3.8 | 3.8 | 4.4 | | | | 4.3 | | |
| T-COD mg/l | 11.9 | 11.9 | 10.3 | 10.4 | | 9.8 | 10.2 | 10.5 | 10.1 | 10.9 |
| Chl-a $\mu\text{g}/\text{l}$ | 192 | 183 | 166 | 130 | 103 | 122 | 94 | 97 | 92 | 85 |
| Phyco. $\mu\text{g}/\text{l}$ | 68 | 198 | 220 | 181 | 75 | 120 | 107 | 141 | 115 | 112 |
| SSdw mg/l | 62.4 | 39.8 | 35.5 | 26.2 | 23.6 | 60.7 | 26.7 | 22.4 | 21.0 | 24.2 |
| DOC mg/l | 2.8 | 2.7 | 2.6 | | | 3.0 | | 3.1 | | 3.4 |
| POC mg/l | 9.06 | 8.16 | 7.88 | 6.65 | 4.68 | 5.85 | 6.00 | 6.45 | 6.06 | 5.87 |
| PON $\mu\text{g}/\text{l}$ | 1,566 | 1,491 | 1,446 | 1,111 | 851 | 1,085 | 901 | 1,283 | 1,230 | 830 |
| C/N | 5.78 | 5.47 | 5.45 | 5.99 | 5.50 | 5.39 | 6.66 | 5.02 | 4.92 | 7.07 |
| Het.B /ml | 33,000 | | 4,900 | | | 17,000 | | 3,300 | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 2.08 | | | 1.43 | | 1.79 | | 0.87 |

1993/05/12

| | St.1 11:40 | St.2 12:15 | St.3 12:25 | St.4 13:00 | St.6 13:55 | St.7 13:30 | St.8 13:20 | St.9 10:35 | St.11 10:25 | St.12 10:00 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.6 | | 3.9 | | | 3.0 | | 6.0 | | 4.3 |
| Transp(cm) | 55 | 60 | 70 | 80 | 55 | 60 | 75 | 85 | 95 | 80 |
| E.C(us/cm) | 185 | 238 | 257 | 298 | 292 | 293 | 303 | 293 | 314 | 365 |
| W.Temp. 0m | 19.8 | | 19.8 | | | 20.7 | | 19.2 | | 18.0 |
| 0.5m | 19.4 | | 19.5 | | | 20.3 | | 17.1 | | 17.5 |
| 1m | 18.2 | | 18.5 | | | 18.1 | | 16.8 | | 17.1 |
| 2m | 16.2 | | 17.4 | | | 17.2 | | 16.4 | | 16.4 |
| 3m | 16.0 | | 16.9 | | | 17.0 | | 16.1 | | 16.2 |
| 4m | | | 16.2 | | | | | 16.0 | | 16.0 |
| 5m | | | | | | | | 15.8 | | |
| 6m | | | | | | | | 15.5 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 12.2 | | 13.7 | | | 12.8 | | 11.2 | | 11.9 |
| 0.5m | 12.3 | | 14.0 | | | 12.7 | | 11.7 | | 11.8 |
| 1m | 10.1 | | 14.1 | | | 11.7 | | 11.7 | | 11.6 |
| 2m | 5.3 | | 10.8 | | | 9.5 | | 11.4 | | 10.0 |
| 3m | 4.5 | | 7.7 | | | 8.4 | | 10.4 | | 9.7 |
| 4m | | | 5.0 | | | | | 10.2 | | 8.3 |
| 5m | | | | | | | | 9.8 | | |
| 6m | | | | | | | | 8.0 | | |
| bot. | | | | | | | | | | |
| L.I. air | | | 2,520.0 | | | 1,860.0 | | 2,220.0 | | 2,180.0 |
| (uE/m ² /s) 0m | | | 1,640.0 | | | 1,350.0 | | 1,650.0 | | 1,490.0 |
| 0.25m | | | 890.0 | | | 560.0 | | 980.0 | | 870.0 |
| 0.5m | | | 450.0 | | | 180.0 | | 630.0 | | 430.0 |
| 0.75m | | | 215.0 | | | 62.0 | | 360.0 | | 250.0 |
| 1m | | | 103.0 | | | 20.0 | | 210.0 | | 135.0 |
| 1.5m | | | 26.0 | | | 2.5 | | 68.0 | | 40.0 |
| 2m | | | 6.5 | | | 0.3 | | 27.0 | | 10.6 |
| 3m | | | 0.4 | | | | | 3.9 | | 0.7 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.02 | | 9.45 | | | 9.24 | | 8.80 | | 8.96 |
| 0.5m | 9.00 | | 9.47 | | | 9.20 | | 9.04 | | 8.98 |
| 1m | 8.02 | | 9.41 | | | 8.98 | | 9.03 | | 9.03 |
| 2m | 6.93 | | 8.95 | | | 8.40 | | 8.95 | | 8.57 |
| 3m | 6.73 | | 8.00 | | | 8.00 | | 8.65 | | 8.46 |
| 4m | | | 7.38 | | | | | 8.60 | | 7.87 |
| 5m | | | | | | | | 8.49 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 7.83 | | |
| PO ₄ -P ug/l | 9 | 7 | 3 | 2 | 11 | 1 | 1 | 0 | 0 | 0 |
| DTP ug/l | 29 | 29 | 19 | 17 | 39 | 16 | 13 | 13 | 12 | 14 |
| T.P. ug/l | 178 | 163 | 132 | 139 | 186 | 142 | 115 | 118 | 98 | 110 |
| NH ₄ -N ug/l | 432 | 48 | 25 | 25 | 74 | 22 | 15 | 19 | 21 | 21 |
| NO ₂ -N ug/l | 37 | 15 | | | 23 | 4 | 0 | 0 | 0 | 0 |
| NO ₃ -N ug/l | 890 | 106 | | | 363 | 39 | 0 | 0 | 0 | 0 |
| TN ug/l | 2,022 | 1,546 | 1,256 | 1,101 | 2,032 | 1,246 | 1,029 | 1,008 | 956 | 1,049 |
| D-COD mg/l | 4.4 | 4.8 | 4.4 | 5.4 | | | | 4.9 | | |
| T-COD mg/l | 8.3 | 11.3 | 9.9 | 10.4 | | 10.1 | 10.0 | 9.8 | 9.4 | 10.7 |
| Chl-a ug/l | 65 | 127 | 80 | 66 | 154 | 69 | 58 | 49 | 51 | 47 |
| Phyco. ug/l | 42 | 126 | 97 | 70 | 74 | 70 | 53 | 70 | 51 | 52 |
| SSdw mg/l | 39.4 | 27.3 | 22.5 | 20.6 | 32.3 | 31.1 | 19.0 | 17.7 | 15.6 | 19.9 |
| DOC mg/l | 3.0 | 3.4 | 3.5 | | | 3.5 | | 3.5 | | 3.6 |
| POC mg/l | 4.90 | 7.12 | 6.03 | 5.80 | 7.84 | 5.10 | 4.76 | 5.61 | 4.64 | 4.92 |
| PON ug/l | 782 | 1,265 | 948 | 865 | 1396 | 909 | 708 | 720 | 652 | 734 |
| C/N | 6.27 | 5.63 | 6.37 | 6.71 | 5.62 | 5.61 | 6.72 | 7.80 | 7.12 | 6.70 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 2.05 | | | 2.30 | | 1.92 | | 1.34 |

1993/06/08

| | St.1 12:05 | St.2 12:40 | St.3 12:55 | St.4 13:25 | St.6 14:20 | St.7 14:00 | St.8 13:50 | St.9 10:55 | St.11 10:40 | St.12 10:20 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.5 | | 3.7 | | | 3.0 | | 5.6 | | 3.8 |
| Transp(cm) | 50 | 70 | 65 | 70 | 55 | 55 | 65 | 70 | 70 | 65 |
| E.C(us/cm) | 225 | 262 | 278 | 318 | 302 | 310 | 314 | 325 | 333 | 355 |
| W.Temp. 0m | 20.4 | | 21.6 | | | 21.0 | | 21.5 | | 20.2 |
| 0.5m | 20.2 | | 21.5 | | | 20.9 | | 21.2 | | 20.2 |
| 1m | 20.2 | | 21.2 | | | 20.8 | | 20.4 | | 19.9 |
| 2m | 19.8 | | 20.6 | | | 20.3 | | 20.0 | | 19.8 |
| 3m | | | 20.1 | | | 20.0 | | 19.9 | | 19.6 |
| 4m | | | 20.1 | | | | | 19.9 | | 19.6 |
| 5m | | | | | | | | 19.9 | | |
| 6m | | | | | | | | 19.8 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 9.3 | | 13.5 | | | 11.6 | | 12.2 | | 10.8 |
| 0.5m | 8.4 | | 13.7 | | | 11.5 | | 12.3 | | 10.8 |
| 1m | 8.1 | | 13.6 | | | 10.8 | | 12.0 | | 10.4 |
| 2m | 6.5 | | 12.1 | | | 8.3 | | 10.2 | | 9.9 |
| 3m | | | 9.7 | | | 7.3 | | 9.5 | | 9.0 |
| 4m | | | 8.7 | | | | | 9.1 | | 8.4 |
| 5m | | | | | | | | 9.0 | | |
| 6m | | | | | | | | 8.5 | | |
| bot. | | | | | | | | | | |
| L.l. air | | | 1,500.0 | | | 990.0 | | 1,430.0 | | 1,275.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 850.0 | | | 650.0 | | 850.0 | | 750.0 |
| 0.25m | | | 320.0 | | | 140.0 | | 360.0 | | 260.0 |
| 0.5m | | | 140.0 | | | 48.0 | | 210.0 | | 130.0 |
| 0.75m | | | 60.0 | | | 12.0 | | 100.0 | | 58.0 |
| 1m | | | 34.0 | | | 6.5 | | 48.0 | | 32.0 |
| 1.5m | | | 6.5 | | | 0.7 | | 12.0 | | 6.9 |
| 2m | | | 1.6 | | | | | 3.0 | | 1.9 |
| 3m | | | | | | | | | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 7.90 | | 9.46 | | | 9.00 | | 9.27 | | 9.23 |
| 0.5m | 7.57 | | 9.39 | | | 8.93 | | 9.26 | | 9.21 |
| 1m | 7.40 | | 9.29 | | | 8.80 | | 9.16 | | 9.05 |
| 2m | 6.96 | | 9.07 | | | 8.03 | | 8.83 | | 9.03 |
| 3m | | | 8.78 | | | 7.56 | | 8.70 | | 8.60 |
| 4m | | | 8.62 | | | | | 8.60 | | 8.45 |
| 5m | | | | | | | | 8.57 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 8.38 | | |
| PO ₄ -P ug/l | 5 | 6 | 1 | 0 | 5 | 1 | 1 | 1 | 1 | 0 |
| DTP ug/l | 29 | 30 | 19 | 18 | 26 | 19 | 17 | 15 | 15 | 13 |
| T.P. ug/l | 163 | 186 | 163 | 155 | 163 | 147 | 116 | 108 | 93 | 93 |
| NH ₄ -N ug/l | 141 | 42 | 15 | 20 | 171 | 29 | 16 | 24 | 26 | 24 |
| NO ₂ -N ug/l | 18 | 1 | 0 | 0 | 21 | 2 | 0 | 0 | 0 | 0 |
| NO ₃ -N ug/l | 192 | 1 | 1 | 0 | 421 | 43 | 2 | 3 | 2 | 1 |
| TN ug/l | 1,300 | 1,204 | 1,204 | 1,149 | 1,684 | 1,149 | 999 | 971 | 930 | 999 |
| D-COD mg/l | 5.2 | 5.3 | 4.2 | 4.8 | | | | 5.0 | | |
| T-COD mg/l | 9.1 | 11.1 | 12.5 | 12.6 | | 12.0 | 12.3 | 11.0 | 10.6 | 11.1 |
| Chl-a ug/l | 70 | 87 | 105 | 100 | 87 | 86 | 81 | 81 | 74 | 77 |
| Phyco.ug/l | 18 | 43 | 29 | 36 | 55 | 140 | 25 | 18 | 25 | 11 |
| SSdw mg/l | 39.8 | 32.7 | 28.9 | 26.3 | 31.4 | 33.5 | 26.7 | 21.6 | 20.6 | 23.2 |
| DOC mg/l | 3.2 | 3.5 | 3.2 | | | 3.2 | | 3.1 | | 3.1 |
| POC mg/l | 4.68 | 6.07 | 8.14 | 7.17 | 4.88 | 5.84 | 6.25 | 6.52 | 6.36 | 6.32 |
| PON ug/l | 784 | 1,056 | 1,036 | 993 | 873 | 1,070 | 870 | 867 | 798 | 839 |
| C/N | 5.98 | 5.75 | 7.86 | 7.22 | 5.59 | 5.46 | 7.18 | 7.52 | 7.96 | 7.53 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 1.90 | | | 1.58 | | 1.28 | | 1.36 |

1993/07/07

| | St.1 12:06 | St.2 12:42 | St.3 12:52 | St.4 13:18 | St.6 14:12 | St.7 13:53 | St.8 13:38 | St.9 11:00 | St.11 10:52 | St.12 10:25 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.6 | | 4.0 | | | 3.4 | | 5.8 | | 4.1 |
| Transp(cm) | 60 | 50 | 70 | 70 | 50 | 40 | 70 | 100 | 100 | 80 |
| E.C(us/cm) | 160 | 227 | 274 | 308 | 250 | 285 | 315 | 342 | 370 | 355 |
| W.Temp. 0m | 21.8 | | 21.5 | | | 21.5 | | 21.5 | | 20.9 |
| 0.5m | 21.6 | | 21.5 | | | 21.5 | | 21.6 | | 20.9 |
| 1m | 21.7 | | 21.5 | | | 21.5 | | 21.6 | | 20.9 |
| 2m | 21.0 | | 21.3 | | | 21.5 | | 21.5 | | 20.9 |
| 3m | | | 21.1 | | | 20.8 | | 21.4 | | 20.9 |
| 4m | | | 21.1 | | | | | 21.4 | | 20.8 |
| 5m | | | | | | | | 21.4 | | |
| 6m | | | | | | | | | | |
| bot. | 19.9 | | | | | 20.8 | | 21.4 | | 20.8 |
| DO(mg/l) 0m | 11.3 | | 10.2 | | | 8.8 | | 9.4 | | 8.3 |
| 0.5m | 11.5 | | 10.2 | | | 8.8 | | 9.7 | | 8.2 |
| 1m | 11.5 | | 9.9 | | | 8.7 | | 9.6 | | 8.1 |
| 2m | 8.9 | | 8.4 | | | 8.5 | | 9.4 | | 8.1 |
| 3m | | | 7.2 | | | 6.9 | | 8.7 | | 8.0 |
| 4m | | | 6.7 | | | | | 8.4 | | 7.5 |
| 5m | | | | | | | | 8.3 | | |
| 6m | | | | | | | | | | |
| bot. | 5.4 | | | | | 6.5 | | 8.0 | | 7.2 |
| L.l. air | | | 300.0 | | | 718.0 | | 1,031.0 | | 476.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 159.0 | | | 577.0 | | 591.0 | | 368.0 |
| 0.25m | | | 72.0 | | | 100.0 | | 299.0 | | 138.0 |
| 0.5m | | | 33.2 | | | 34.7 | | 139.0 | | 64.5 |
| 0.75m | | | 12.5 | | | 9.8 | | 77.0 | | 30.7 |
| 1m | | | 7.3 | | | 2.6 | | 45.0 | | 16.3 |
| 1.5m | | | 1.8 | | | 0.3 | | 14.0 | | 4.2 |
| 2m | | | 0.4 | | | | | 4.4 | | 0.4 |
| 3m | | | | | | | | 0.7 | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 8.82 | | 8.69 | | | 8.27 | | 8.73 | | 8.04 |
| 0.5m | 8.87 | | 8.70 | | | 8.22 | | 8.77 | | 8.04 |
| 1m | 8.85 | | 8.60 | | | 8.21 | | 8.75 | | 8.09 |
| 2m | 7.55 | | 8.28 | | | 8.13 | | 8.65 | | 8.02 |
| 3m | | | 7.72 | | | 7.41 | | 8.45 | | 8.01 |
| 4m | | | 7.63 | | | | | 8.39 | | 7.73 |
| 5m | | | | | | | | 8.37 | | |
| 6m | | | | | | | | | | |
| bot. | 6.85 | | | | | 7.25 | | 8.27 | | 7.7 |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 19 | 27 | 13 | 17 | 17 | 14 | 15 | 13 | 13 | 12 |
| DTP $\mu\text{g}/\text{l}$ | 25 | 34 | 28 | 20 | 50 | 18 | 16 | 14 | 14 | 13 |
| T.P. $\mu\text{g}/\text{l}$ | 138 | 151 | 126 | 113 | 136 | 121 | 95 | 86 | 68 | 81 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 45 | 56 | 118 | 41 | 470 | 105 | 27 | 32 | 33 | 32 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 30 | 19 | 9 | 2 | 54 | 20 | 3 | 1 | 0 | 0 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 949 | 245 | 43 | 15 | 789 | 221 | 15 | 0 | 2 | 3 |
| TN $\mu\text{g}/\text{l}$ | 2,174 | 1,769 | 1,469 | 1,544 | 2,384 | 1,339 | 1,139 | 1,062 | 923 | 800 |
| D-COD mg/l | 3.7 | 4.6 | 3.0 | 4.4 | | | | 4.5 | | |
| T-COD mg/l | 8.4 | 10.6 | 7.9 | 11.5 | | 7.6 | 8.6 | 8.8 | 8.1 | 8.2 |
| Chl-a $\mu\text{g}/\text{l}$ | 96 | 140 | 99 | 97 | 50 | 76 | 97 | 85 | 66 | 69 |
| Phyco. $\mu\text{g}/\text{l}$ | 94 | 205 | 138 | 133 | 38 | 55 | 69 | 61 | 43 | 38 |
| SSdw mg/l | 38.3 | 31.4 | 20.9 | 20.2 | 25.3 | 38.8 | 23.4 | 14.8 | 13.0 | 18.7 |
| DOC mg/l | 3.2 | 3.7 | 3.8 | | | 3.2 | | 3.7 | | 3.4 |
| POC mg/l | 5.26 | 6.10 | 4.80 | 4.97 | 2.89 | 4.03 | 4.39 | 4.21 | 3.74 | 3.85 |
| PON $\mu\text{g}/\text{l}$ | 1,066 | 1,250 | 968 | 998 | 571 | 745 | 822 | 747 | 594 | 671 |
| C/N | 4.94 | 4.88 | 4.96 | 4.98 | 5.06 | 5.40 | 5.34 | 5.63 | 6.30 | 5.74 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 1.59 | | | 0.54 | | 1.92 | | 0.94 |

1993/08/11

| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|---|-------|-------|-------|-------|-------|---------|-------|---------|-------|-------|
| Time | 12:05 | 12:40 | 12:50 | 13:15 | 14:25 | 14:00 | 13:40 | 11:00 | 10:45 | 10:40 |
| Depth (m) | 2.0 | | 3.9 | | | 3.3 | | 6.0 | | 4.1 |
| Transp(cm) | 55 | 55 | 53 | 60 | 45 | 45 | 60 | 70 | 70 | 60 |
| E.C(us/cm) | 172 | 188 | 207 | 290 | 240 | 232 | 282 | 290 | 350 | 340 |
| W.Temp. 0m | 21.7 | | 22.5 | | | 22.5 | | 22.3 | | 22.3 |
| 0.5m | 21.7 | | 22.5 | | | 22.5 | | 22.3 | | 22.3 |
| 1m | 21.6 | | 22.5 | | | 22.4 | | 22.3 | | 22.2 |
| 2m | 21.6 | | 22.4 | | | 22.4 | | 22.3 | | 22.2 |
| 3m | | | 22.4 | | | 22.4 | | 22.2 | | 22.2 |
| 4m | | | 22.4 | | | | | 22.2 | | |
| 5m | | | | | | | | 22.2 | | |
| 6m | | | | | | | | 22.1 | | |
| bot. | | | | | | 22.4 | | | | 22.2 |
| DO(mg/l) 0m | 8.4 | | 8.7 | | | 8.2 | | 9.0 | | 8.6 |
| 0.5m | 8.3 | | 8.7 | | | 8.1 | | 8.7 | | 8.5 |
| 1m | 8.3 | | 8.6 | | | 8.1 | | 8.6 | | 8.5 |
| 2m | 8.3 | | 8.5 | | | 8.0 | | 8.5 | | 8.4 |
| 3m | | | 8.5 | | | 8.0 | | 8.4 | | 8.2 |
| 4m | | | 8.4 | | | | | 8.2 | | 8.1 |
| 5m | | | | | | | | 8.2 | | |
| 6m | | | | | | | | 7.8 | | |
| bot. | | | | | | 6.7 | | | | 7.9 |
| L.l. air | | | | | | | | | | |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 717.0 | | | 2,349.0 | | 2,531.0 | | 916.0 |
| 0.25m | | | 135.0 | | | 254.0 | | 861.0 | | 250.0 |
| 0.5m | | | 21.5 | | | 36.1 | | 386.0 | | 115.0 |
| 0.75m | | | 10.1 | | | 5.4 | | 212.0 | | 64.0 |
| 1m | | | 2.3 | | | 1.1 | | 58.0 | | 19.0 |
| 1.5m | | | 0.2 | | | 0.1 | | 25.4 | | 4.0 |
| 2m | | | | | | | | 1.6 | | 0.6 |
| 3m | | | | | | | | 0.3 | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 7.20 | | 8.01 | | | 7.49 | | 8.64 | | 8.65 |
| 0.5m | 7.22 | | 7.94 | | | 7.50 | | 8.65 | | 8.64 |
| 1m | 7.22 | | 7.69 | | | 7.50 | | 8.64 | | 8.63 |
| 2m | 7.21 | | 7.62 | | | 7.52 | | 8.64 | | 8.60 |
| 3m | | | 7.63 | | | 6.88 | | 8.62 | | 8.54 |
| 4m | | | 7.31 | | | 7.09 | | 8.58 | | 8.47 |
| 5m | | | | | | | | 8.53 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 8.4 | | |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 12 | 29 | 56 | 16 | 25 | 19 | 7 | 1 | 1 | 0 |
| DTP $\mu\text{g}/\text{l}$ | 26 | 45 | 74 | 31 | 36 | 29 | 21 | 13 | 11 | 12 |
| T.P. $\mu\text{g}/\text{l}$ | 120 | 152 | 173 | 106 | 120 | 127 | 86 | 123 | 100 | 107 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 184 | 142 | 302 | 129 | 276 | 201 | 147 | 46 | 25 | 23 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 44 | 29 | 24 | 6 | 50 | 40 | 15 | 2 | 1 | 0 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 2147 | 887 | 394 | 51 | 1,255 | 836 | 133 | 10 | 0 | 2 |
| TN $\mu\text{g}/\text{l}$ | 3,259 | 2,123 | 2,300 | 1,636 | 2,539 | 2,158 | 1,657 | 1,566 | 1,340 | 1,368 |
| D-COD mg/l | 2.4 | 3.7 | 3.5 | 4.6 | | | | 4.0 | | |
| T-COD mg/l | 5.0 | 9.5 | 8.5 | 9.3 | | 8.1 | 8.4 | 8.4 | 8.6 | 9.4 |
| Chl-a $\mu\text{g}/\text{l}$ | 42 | 116 | 129 | 82 | 29 | 48 | 84 | 102 | 87 | 87 |
| Phyco. $\mu\text{g}/\text{l}$ | 37 | 398 | 458 | 221 | 17 | 25 | 91 | 163 | 78 | 71 |
| SSdw mg/l | 34.1 | 40.5 | 29.6 | 25.5 | 44.8 | 69.0 | 27.9 | 15.9 | 18.0 | 23.2 |
| DOC mg/l | 2.2 | 2.9 | 3.1 | | | 2.8 | | 3.7 | | 3.5 |
| POC mg/l | 2.92 | 5.68 | 6.19 | 5.24 | 2.72 | 3.98 | 4.25 | 4.72 | 5.19 | 4.76 |
| PON $\mu\text{g}/\text{l}$ | 518 | 1,205 | 1,314 | 1,079 | 494 | 668 | 906 | 989 | 932 | 896 |
| C/N | 5.64 | 4.71 | 4.71 | 4.86 | 5.49 | 5.96 | 4.69 | 4.78 | 5.56 | 5.32 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 1.98 | | | 0.50 | | 2.38 | | 1.62 |

1993/09/08

| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Time | 11:50 | 12:25 | 12:35 | 13:00 | 13:55 | 13:30 | 13:20 | 10:40 | 10:30 | 10:05 |
| Depth (m) | 2.0 | | 3.8 | | | 3.1 | | 5.8 | | 4.1 |
| Transp(cm) | 65 | 75 | 90 | 80 | 55 | 50 | 60 | 85 | 65 | 60 |
| E.C(us/cm) | 152 | 150 | 200 | 240 | 225 | 222 | 258 | 260 | 293 | 312 |
| W.Temp. 0m | 21.6 | | 23.2 | | | 22.6 | | 23.6 | | 23.1 |
| 0.5m | 21.6 | | 23.2 | | | 22.7 | | 23.6 | | 23.1 |
| 1m | 21.5 | | 23.2 | | | 22.6 | | 23.6 | | 23.1 |
| 2m | 20.9 | | 23.2 | | | 22.6 | | 23.6 | | 23.1 |
| 3m | | | 23.2 | | | 22.3 | | 23.6 | | 23.1 |
| 4m | | | | | | | | 23.6 | | 23.1 |
| 5m | | | | | | | | 23.6 | | |
| 6m | | | | | | | | 23.6 | | |
| bot. | | | | | | | | 23.6 | | |
| DO(mg/l) 0m | 7.4 | | 7.4 | | | 7.1 | | 6.9 | | 8.2 |
| 0.5m | 7.4 | | 7.4 | | | 7.1 | | 6.8 | | 8.2 |
| 1m | 7.2 | | 7.4 | | | 7.1 | | 6.7 | | 8.2 |
| 2m | 6.9 | | 7.4 | | | 7.1 | | 6.5 | | 8.2 |
| 3m | | | 7.4 | | | 6.9 | | 6.3 | | 8.2 |
| 4m | | | | | | | | 6.2 | | 8.2 |
| 5m | | | | | | | | 6.0 | | |
| 6m | | | | | | | | 5.9 | | |
| bot. | | | | | | | | | | |
| L.l. air | | | 332.0 | | | 182.0 | | 273.0 | | 565.0 |
| (uE/m ² /s) 0m | | | 317.0 | | | 119.0 | | 225.0 | | 462.0 |
| 0.25m | | | 117.0 | | | 26.0 | | 90.0 | | 126.0 |
| 0.5m | | | 59.0 | | | 5.0 | | 41.0 | | 44.0 |
| 0.75m | | | 34.0 | | | 2.4 | | 28.0 | | 16.0 |
| 1m | | | 18.0 | | | 0.4 | | 16.0 | | 6.1 |
| 1.5m | | | 6.5 | | | 0.1 | | 6.9 | | 1.4 |
| 2m | | | 2.7 | | | | | 1.6 | | 0.3 |
| 3m | | | | | | | | | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 8.73 | | 7.40 | | | 6.76 | | 7.50 | | 7.39 |
| 0.5m | 8.80 | | 7.08 | | | 6.28 | | 7.50 | | 7.32 |
| 1m | 8.37 | | 7.14 | | | 6.30 | | 7.50 | | 7.07 |
| 2m | 7.58 | | 7.05 | | | 6.31 | | 7.52 | | 6.90 |
| 3m | | | 7.05 | | | 6.10 | | 7.53 | | 6.78 |
| 4m | | | | | | | | 7.62 | | 6.56 |
| 5m | | | | | | | | 7.91 | | |
| 6m | | | | | | | | | | |
| bot. | | | 7 | | | | | 7.89 | | |
| PO ₄ -P ug/l | 11 | 12 | 13 | 12 | 9 | 10 | 12 | 10 | 12 | 13 |
| DTP ug/l | 27 | 33 | 84 | 77 | 43 | 39 | 40 | 51 | 32 | 18 |
| T.P. ug/l | 116 | 98 | 135 | 146 | 98 | 110 | 107 | 103 | 106 | 107 |
| NH ₄ -N ug/l | 129 | 280 | 667 | 553 | 288 | 209 | 380 | 409 | 158 | 19 |
| NO ₂ -N ug/l | 39 | 37 | 40 | 35 | 50 | 33 | 15 | 24 | 4 | 1 |
| NO ₃ -N ug/l | 2172 | 1795 | 490 | 253 | 1,829 | 990 | 125 | 134 | 26 | 4 |
| TN ug/l | 3,046 | 2,689 | 1,952 | 1,841 | 2,600 | 1,885 | 1,416 | 1,528 | 1,366 | 1,382 |
| D-COD mg/l | 2.4 | 2.5 | 3.8 | 4.2 | | | | 4.1 | | |
| T-COD mg/l | 4.8 | 6.2 | 5.7 | 7.4 | | 5.5 | 7.1 | 7.0 | 8.7 | 10.3 |
| Chl-a ug/l | 44 | 39 | 49 | 60 | 7 | 23 | 49 | 54 | 84 | 86 |
| Phyco.ug/l | 17 | 19 | 54 | 75 | 1 | 14 | 38 | 57 | 249 | 115 |
| SSdw mg/l | 18.7 | 16.0 | 11.7 | 14.6 | 21.3 | 35.7 | 24.1 | 11.8 | 14.0 | 21.7 |
| DOC mg/l | 2.1 | 2.4 | 3.1 | | | 2.4 | | 3.7 | | 3.9 |
| POC mg/l | 2.07 | 1.68 | 2.04 | 2.74 | 1.04 | 2.00 | 2.46 | 2.36 | 3.57 | 4.23 |
| PON ug/l | 419 | 333 | 449 | 620 | 169 | 369 | 512 | 506 | 823 | 946 |
| C/N | 4.95 | 5.03 | 4.53 | 4.42 | 6.13 | 5.44 | 4.79 | 4.67 | 4.34 | 4.47 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.23 | | | 0.07 | | 0.35 | | 0.34 |

1993/10/06

| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|---------|-------|---------|
| Time | 11:55 | 12:25 | 12:35 | 13:05 | 13:55 | 13:35 | 13:20 | 10:50 | 10:35 | 10:05 |
| Depth (m) | 2.6 | | 3.8 | | | 3.0 | | 5.8 | | 3.7 |
| Transp(cm) | 65 | 60 | 85 | 75 | 65 | 50 | 60 | 90 | 80 | 70 |
| E.C(us/cm) | 165 | 176 | 200 | 220 | 242 | 245 | 272 | 270 | 272 | 302 |
| W.Temp. 0m | 19.3 | | 19.8 | | | 19.6 | | 20.0 | | 19.8 |
| 0.5m | 19.2 | | 19.9 | | | 19.6 | | 20.0 | | 19.8 |
| 1m | 19.1 | | 19.9 | | | 19.6 | | 20.0 | | 19.8 |
| 2m | 18.7 | | 19.9 | | | 19.6 | | 19.9 | | 19.5 |
| 3m | 18.5 | | 19.8 | | | 19.1 | | 19.8 | | 19.4 |
| 4m | | | 19.7 | | | | | 19.8 | | 19.4 |
| 5m | | | | | | | | 19.8 | | |
| 6m | | | | | | | | 19.8 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 9.5 | | 8.7 | | | 8.4 | | 9.4 | | 10.0 |
| 0.5m | 9.7 | | 8.5 | | | 8.0 | | 8.4 | | 9.2 |
| 1m | 9.8 | | 8.3 | | | 7.6 | | 8.2 | | 8.9 |
| 2m | 9.4 | | 8.3 | | | 7.4 | | 8.2 | | 8.5 |
| 3m | 9.2 | | 8.1 | | | 7.2 | | 7.7 | | 8.5 |
| 4m | | | 7.6 | | | | | 7.7 | | 8.5 |
| 5m | | | | | | | | 7.6 | | |
| 6m | | | | | | | | 7.5 | | |
| bot. | | | | | | | | | | |
| L.I. air | | | 887.0 | | | 605.0 | | 1,630.0 | | 1,550.0 |
| (uE/m ² /s) 0m | | | 450.0 | | | 276.0 | | 860.0 | | 1,030.0 |
| 0.25m | | | 260.0 | | | 82.0 | | 620.0 | | 350.0 |
| 0.5m | | | 132.0 | | | 15.0 | | 310.0 | | 140.0 |
| 0.75m | | | 74.0 | | | 11.0 | | 175.0 | | 68.0 |
| 1m | | | 29.0 | | | 3.7 | | 110.0 | | 42.0 |
| 1.5m | | | 10.3 | | | 0.7 | | 39.0 | | 10.5 |
| 2m | | | 3.0 | | | | | 18.0 | | 1.7 |
| 3m | | | | | | | | 3.5 | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 8.65 | | 7.92 | | | 7.89 | | 8.72 | | 9.10 |
| 0.5m | 8.67 | | 7.92 | | | 7.87 | | 8.70 | | 9.10 |
| 1m | 8.60 | | 7.91 | | | 7.88 | | 8.70 | | 9.11 |
| 2m | 8.43 | | 7.89 | | | 7.88 | | 8.64 | | 9.00 |
| 3m | 8.09 | | 7.80 | | | 7.60 | | 8.52 | | 8.91 |
| 4m | | | 7.74 | | | | | 8.36 | | 8.88 |
| 5m | | | | | | | | 8.31 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 8.26 | | |
| PO ₄ -P ug/l | 4 | 7 | 21 | 31 | 16 | 7 | 2 | 1 | 3 | 1 |
| DTP ug/l | 18 | 21 | 37 | 46 | 26 | 20 | 14 | 13 | 18 | 13 |
| T.P. ug/l | 105 | 113 | 112 | 133 | 89 | 100 | 99 | 87 | 99 | 90 |
| NH ₄ -N ug/l | 28 | 128 | 106 | 169 | 91 | 37 | 89 | 56 | 140 | 23 |
| NO ₂ -N ug/l | 44 | 74 | 310 | 295 | 74 | 101 | 50 | 85 | 87 | 1 |
| NO ₃ -N ug/l | 1746 | 1259 | 475 | 395 | 1,640 | 737 | 117 | 140 | 119 | 1 |
| TN ug/l | 2,641 | 2,385 | 1,849 | 1,896 | 2,501 | 1,731 | 1,309 | 1,355 | 1,472 | 1,262 |
| D-COD mg/l | 2.4 | 2.9 | 3.9 | 4.2 | | | | 4.6 | | |
| T-COD mg/l | 5.4 | 5.5 | 6.4 | 6.9 | 6.4 | 7.6 | | 7.6 | 7.6 | 10.0 |
| Chl-a ug/l | 87 | 58 | 55 | 52 | 29 | 37 | 49 | 67 | 71 | 81 |
| Phyco.ug/l | 17 | 33 | 30 | 24 | 2 | 10 | 55 | 73 | 71 | 100 |
| SSdw mg/l | 21.9 | 22.6 | 15.9 | 20.0 | 16.0 | 29.2 | 21.4 | 12.2 | 14.5 | 19.4 |
| DOC mg/l | 1.8 | 2.0 | 2.7 | | | 2.4 | | 3.3 | | 3.5 |
| POC mg/l | 3.26 | 3.05 | 2.88 | 3.43 | 1.86 | 2.52 | 3.52 | 3.36 | 3.76 | 5.08 |
| PON ug/l | 563 | 575 | 555 | 598 | 348 | 467 | 733 | 664 | 748 | 789 |
| C/N | 5.79 | 5.30 | 5.20 | 5.73 | 5.34 | 5.39 | 4.80 | 5.06 | 5.02 | 6.44 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.96 | | | 0.47 | | 1.54 | | 1.16 |

1993/11/10

| | St.1 12:02 | St.2 12:35 | St.3 12:46 | St.4 13:15 | St.6 14:07 | St.7 13:45 | St.8 13:30 | St.9 11:05 | St.11 10:58 | St.12 10:30 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.6 | 4.2 | 4.0 | | | 3.0 | | 5.8 | | 3.8 |
| Transp(cm) | 50 | 60 | 70 | 80 | 65 | 50 | 50 | 70 | 90 | 60 |
| E.C(us/cm) | 190 | 198 | 212 | 265 | 267 | 257 | 258 | 290 | 288 | 322 |
| W.Temp. 0m | 13.7 | | 14.2 | | | 13.9 | | 14.3 | | 13.9 |
| 0.5m | 13.5 | | 14.3 | | | 13.9 | | 14.3 | | 13.9 |
| 1m | 13.3 | | 14.2 | | | 13.9 | | 14.3 | | 13.9 |
| 2m | 13.3 | | 14.0 | | | 13.9 | | 14.1 | | 13.8 |
| 3m | | | 13.9 | | | | | 14.1 | | 13.8 |
| 4m | | | 13.7 | | | | | 14.0 | | |
| 5m | | | | | | | | 13.9 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 10.1 | | 9.5 | | | 9.6 | | 11.7 | | 11.1 |
| 0.5m | 9.8 | | 9.0 | | | 7.6 | | 11.5 | | 10.3 |
| 1m | 9.5 | | 8.4 | | | 6.9 | | 11.3 | | 10.0 |
| 2m | 9.3 | | 7.4 | | | 6.6 | | 8.2 | | 10.0 |
| 3m | | | 7.5 | | | | | 7.3 | | 9.9 |
| 4m | | | 7.1 | | | | | 7.0 | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | | | |
| L.I. air | | | 1,738.0 | | | 681.2 | | 2,393.0 | | 1,867.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 1,292.0 | | | 515.8 | | 1,727.0 | | 1,309.0 |
| 0.25m | | | 454.0 | | | 140.0 | | 980.0 | | 727.0 |
| 0.5m | | | 215.0 | | | 51.3 | | 307.0 | | 298.0 |
| 0.75m | | | 89.7 | | | 10.2 | | 128.4 | | 122.3 |
| 1m | | | 32.1 | | | 1.3 | | 74.0 | | 55.2 |
| 1.5m | | | 7.2 | | | 0.2 | | 16.3 | | 12.8 |
| 2m | | | | | | | | 6.3 | | 2.7 |
| 3m | | | | | | | | 0.4 | | 0.2 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | | | |
| pH 0m | 7.61 | | 8.35 | | | 7.78 | | 8.75 | | 9.13 |
| 0.5m | 7.58 | | 8.38 | | | 7.75 | | 8.74 | | 9.22 |
| 1m | 7.56 | | 8.35 | | | 7.74 | | 8.72 | | 9.21 |
| 2m | 7.52 | | 8.22 | | | 7.73 | | 8.69 | | 9.19 |
| 3m | | | 8.09 | | | | | 8.65 | | 9.26 |
| 4m | | | 7.81 | | | | | 8.48 | | |
| 5m | | | | | | | | 8.37 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | | | |
| PO ₄ -P ug/l | 7 | 11 | 7 | 8 | 15 | 14 | 2 | 1 | 1 | 0 |
| DTP ug/l | 19 | 26 | 20 | 22 | 29 | 30 | 17 | 11 | 13 | 11 |
| T.P. ug/l | 126 | 153 | 119 | 136 | 94 | 127 | 100 | 101 | 99 | 116 |
| NH ₄ -N ug/l | 172 | 178 | 83 | 114 | 107 | 62 | 31 | 17 | 199 | 24 |
| NO ₂ -N ug/l | 42 | 40 | 35 | 14 | 39 | 26 | 9 | 18 | 15 | 0 |
| NO ₃ -N ug/l | 1666 | 1208 | 707 | 200 | 1,771 | 1055 | 171 | 80 | 83 | 2 |
| TN ug/l | 2,494 | 2,306 | 1,823 | 1,622 | 2,467 | 1,460 | 955 | 1,053 | 1,165 | 1,011 |
| D-COD mg/l | 2.4 | 2.9 | 3.5 | 4.4 | | | | 4.4 | | |
| T-COD mg/l | 4.7 | 6.1 | 6.7 | 8.1 | | 5.6 | 8.0 | 9.4 | 8.0 | 11.5 |
| Chl-a ug/l | 35 | 45 | 56 | 73 | 21 | 25 | 59 | 81 | 67 | 77 |
| Phyco.ug/l | 1 | 99 | 90 | 52 | 1 | 22 | 109 | 58 | 44 | 34 |
| SSdw mg/l | 27.5 | 31.6 | 23.6 | 17.7 | 21.6 | 35.8 | 25.4 | 17.0 | 15.0 | 22.0 |
| DOC mg/l | 1.9 | 2.2 | 2.6 | | | 2.5 | | 3.5 | | 3.5 |
| POC mg/l | 2.87 | 3.40 | 3.66 | 4.16 | 1.70 | 2.26 | 4.07 | 5.01 | 4.34 | 6.25 |
| PON ug/l | 488 | 655 | 725 | 895 | 306 | 415 | 847 | 1,036 | 833 | 961 |
| C/N | 5.88 | 5.20 | 5.05 | 4.65 | 5.56 | 5.45 | 4.80 | 4.83 | 5.20 | 6.50 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 1.11 | | | 0.25 | | 1.56 | | 1.39 |

1993/12/08

| | St.1 11:54 | St.2 12:38 | St.3 12:47 | St.4 13:17 | St.6 13:38 | St.7 13:52 | St.8 14:12 | St.9 10:57 | St.11 10:46 | St.12 10:16 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | | | 4.0 | | | 3.1 | | | | |
| Transp(cm) | 90 | 90 | 90 | 80 | 75 | 65 | 65 | 75 | 80 | 70 |
| E.C(us/cm) | 190 | 210 | 208 | 250 | 262 | 232 | 240 | 270 | 266 | 300 |
| W.Temp. 0m | 8.6 | | 9.3 | | | 8.8 | | 9.7 | | 9.3 |
| 0.5m | 8.6 | | 9.3 | | | 8.8 | | 9.7 | | 9.3 |
| 1m | 8.6 | | 9.3 | | | 8.8 | | 9.8 | | 9.3 |
| 2m | 8.6 | | 9.3 | | | 8.8 | | 9.7 | | 9.3 |
| 3m | | | 9.3 | | | 8.8 | | 9.7 | | 9.3 |
| 4m | | | | | | | | 9.7 | | 9.3 |
| 5m | | | | | | | | 9.7 | | |
| 6m | | | | | | | | 9.7 | | |
| bot. | 8.6 | | 9.3 | | | 8.8 | | 9.8 | | 9.3 |
| DO(mg/l) 0m | 8.2 | | 8.8 | | | 9.4 | | 8.6 | | 10.9 |
| 0.5m | 9.3 | | 9.8 | | | 8.6 | | 8.6 | | 10.5 |
| 1m | 9.6 | | 10.2 | | | 8.8 | | 8.4 | | 10.3 |
| 2m | 9.5 | | 10.1 | | | 10.0 | | 8.1 | | 9.4 |
| 3m | | | 10.0 | | | 9.6 | | 8.2 | | 9.0 |
| 4m | | | | | | | | 8.6 | | 9.2 |
| 5m | | | | | | | | 8.7 | | |
| 6m | | | | | | | | 8.7 | | |
| bot. | 9.3 | | 9.8 | | | 9.4 | | | | 9.6 |
| L.l. air | | | 107.7 | | | 60.1 | | 129.3 | | 85.5 |
| (uE/m ² /s) 0m | | | 107.8 | | | 75.1 | | 119.2 | | 75.4 |
| 0.25m | | | 52.1 | | | 24.2 | | 38.1 | | 8.2 |
| 0.5m | | | 29.9 | | | 13.5 | | 13.2 | | 3.5 |
| 0.75m | | | 18.9 | | | 6.2 | | 5.0 | | 1.7 |
| 1m | | | 11.7 | | | 3.6 | | 3.4 | | 0.5 |
| 1.5m | | | 4.3 | | | 1.0 | | 1.1 | | |
| 2m | | | 1.7 | | | 0.3 | | 0.1 | | |
| 3m | | | 0.2 | | | | | | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 7.70 | | 8.40 | | | 7.90 | | 8.80 | | 8.70 |
| 0.5m | 7.70 | | 8.60 | | | 7.90 | | 8.80 | | 8.80 |
| 1m | 7.70 | | 8.60 | | | 7.90 | | 8.80 | | 8.80 |
| 2m | 7.60 | | 8.70 | | | 7.90 | | 8.80 | | 8.90 |
| 3m | | | 8.70 | | | 7.90 | | 8.80 | | 8.90 |
| 4m | | | | | | 7.90 | | 8.80 | | 8.90 |
| 5m | | | | | | | | 8.80 | | 8.80 |
| 6m | | | | | | | | | | |
| bot. | 7.6 | | 8.7 | | | 7.8 | | 7.7 | | |
| PO ₄ -P ug/l | 9 | 4 | 1 | 0 | 33 | 13 | 5 | 1 | 1 | 1 |
| DTP ug/l | 20 | 16 | 13 | 12 | 45 | 29 | 23 | 11 | 12 | 13 |
| T.P. ug/l | 72 | 81 | 75 | 104 | 97 | 60 | 55 | 110 | 88 | 94 |
| NH ₄ -N ug/l | 158 | 25 | 12 | 39 | 188 | 117 | 59 | 11 | 95 | 16 |
| NO ₂ -N ug/l | 34 | 19 | 15 | 5 | 35 | 23 | 12 | 1 | 5 | 1 |
| NO ₃ -N ug/l | 2216 | 1157 | 807 | 269 | 2,089 | 1336 | 559 | 42 | 114 | 2 |
| TN ug/l | 3,026 | 2,104 | 1,904 | 1,673 | 2,972 | 1,971 | 1,361 | 1,605 | 1,578 | 1,442 |
| D-COD mg/l | 2.1 | 3.0 | 3.2 | 3.9 | | | | 4.5 | | |
| T-COD mg/l | 3.0 | 5.5 | 6.0 | 7.5 | | 3.8 | 5.3 | 8.3 | 7.6 | 8.7 |
| Chl-a ug/l | 14 | 38 | 40 | 66 | 7 | 8 | 18 | 83 | 78 | 78 |
| Phyco.ug/l | 1 | 6 | 10 | 31 | 1 | 1 | 3 | 45 | 33 | 27 |
| SSdw mg/l | 12.2 | 10.9 | 14.1 | 14.4 | 14.4 | 12.5 | 11.6 | 14.2 | 13.8 | 18.5 |
| DOC mg/l | 1.6 | 2.5 | 2.7 | | | 2.3 | | 3.5 | | 3.3 |
| POC mg/l | 1.31 | 2.53 | 2.83 | 3.87 | 1.02 | 0.97 | 1.55 | 4.65 | 4.15 | 4.77 |
| PON ug/l | 246 | 550 | 602 | 876 | 183 | 189 | 329 | 1,064 | 957 | 1011 |
| C/N | 5.31 | 4.60 | 4.71 | 4.42 | 5.57 | 5.12 | 4.70 | 4.37 | 4.33 | 4.72 |
| Het.B /ml | | | | | | | | | | |
| GP (gC/m ² /d) | | | 0.12 | | | 0.01 | | 0.11 | | 0.06 |

1994/01/12

| | St.1 11:36 | St.2 12:14 | St.3 12:20 | St.4 12:50 | St.6 13:42 | St.7 13:21 | St.8 13:11 | St.9 10:47 | St.11 10:37 | St.12 10:11 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.6 | | 3.9 | | | 3.1 | | 6.0 | | 3.9 |
| Transp(cm) | 90 | 110 | 130 | 120 | 70 | 65 | 80 | 70 | 80 | 90 |
| E.C(us/cm) | 190 | 212 | 230 | 236 | 290 | 266 | 262 | 272 | 282 | 340 |
| W.Temp. 0m | 5.7 | | 5.7 | | | 5.4 | | 5.3 | | 5.3 |
| 0.5m | 5.6 | | 5.6 | | | 5.4 | | 5.3 | | 5.3 |
| 1m | 5.3 | | 5.5 | | | 5.3 | | 5.3 | | 5.3 |
| 2m | 5.2 | | 5.1 | | | 5.3 | | 5.2 | | 5.3 |
| 3m | | | 5.0 | | | 5.2 | | 5.3 | | 5.3 |
| 4m | | | | | | | | 5.2 | | |
| 5m | | | | | | | | 5.2 | | |
| 6m | | | | | | | | | | |
| bot. | 5.1 | | 5.0 | | | 5.2 | | 5.2 | | 5.3 |
| DO(mg/l) 0m | 6.8 | | 7.1 | | | 6.0 | | 9.5 | | 8.5 |
| 0.5m | 6.2 | | 6.5 | | | 5.6 | | 9.2 | | 9.3 |
| 1m | 6.0 | | 6.4 | | | 5.7 | | 9.0 | | 9.6 |
| 2m | 5.9 | | 6.5 | | | 5.6 | | 10.0 | | 7.8 |
| 3m | | | 6.6 | | | 5.7 | | 10.5 | | 8.2 |
| 4m | | | | | | | | 9.9 | | |
| 5m | | | | | | | | 9.1 | | |
| 6m | | | | | | | | | | |
| bot. | 6.1 | | 6.7 | | | 5.9 | | 9.4 | | 9.4 |
| L.I. air | | | 1,601.0 | | | 1,662.0 | | 1,683.0 | | 1,308.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 1,222.0 | | | 1,290.0 | | 1,459.0 | | 1,112.0 |
| 0.25m | | | 625.0 | | | 475.0 | | 687.0 | | 991.0 |
| 0.5m | | | 463.0 | | | 259.0 | | 320.0 | | 333.0 |
| 0.75m | | | 326.0 | | | 113.0 | | 163.0 | | 201.0 |
| 1m | | | 228.0 | | | 60.3 | | 87.6 | | 111.0 |
| 1.5m | | | 119.0 | | | 17.2 | | 26.3 | | 37.3 |
| 2m | | | 62.4 | | | 4.8 | | 9.6 | | 14.9 |
| 3m | | | 17.7 | | | | | 1.7 | | 3.8 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | 7.95 | | 8.56 | | | 8.23 | 7.86 | | 8.12 | |
| pH 0m | 7.63 | | 8.42 | | | 8.18 | | 8.12 | | 8.13 |
| 0.5m | 7.94 | | 8.67 | | | 8.43 | | 8.12 | | 8.16 |
| 1m | 7.96 | | 8.69 | | | 8.45 | | 8.13 | | 8.14 |
| 2m | 7.96 | | 8.70 | | | 8.45 | | 8.28 | | 8.16 |
| 3m | | | 8.65 | | | 8.40 | | 8.37 | | 8.16 |
| 4m | | | | | | | | 8.36 | | |
| 5m | | | | | | | | 8.35 | | |
| 6m | | | | | | | | | | |
| bot. | 7.95 | | 8.56 | | | 8.23 | 7.86 | | 8.12 | |
| PO ₄ -P ug/l | 9 | 10 | 10 | 10 | 13 | 11 | 9 | 10 | 9 | 9 |
| DTP ug/l | 15 | 11 | 10 | 10 | 31 | 13 | 10 | 10 | 9 | 9 |
| T.P. ug/l | 73 | 50 | 51 | 62 | 91 | 69 | 71 | 77 | 85 | 61 |
| NH ₄ -N ug/l | 139 | 34 | 37 | 46 | 172 | 30 | 17 | 18 | 69 | 23 |
| NO ₂ -N ug/l | 29 | 15 | 10 | 8 | 19 | 10 | 3 | 2 | 2 | 1 |
| NO ₃ -N ug/l | 1271 | 1321 | 964 | 800 | 1,815 | 979 | 258 | 227 | 186 | 197 |
| TN ug/l | 2,928 | 2,080 | 1,638 | 1,657 | 2,654 | 1,459 | 1,343 | 1,493 | 1,543 | 1,156 |
| D-COD mg/l | 2.1 | 2.8 | 2.9 | 3.4 | | | | 3.7 | | |
| T-COD mg/l | 2.9 | 4.6 | 4.8 | 5.5 | | 5.6 | 7.4 | 7.8 | 8.0 | 7.3 |
| Chl-a ug/l | 15 | 20 | 20 | 25 | 19 | 23 | 43 | 53 | 60 | 40 |
| Phyco.ug/l | 1 | 1 | 1 | 2 | 2 | 1 | 6 | 6 | 7 | 4 |
| SSdw mg/l | 11.1 | 8.8 | 8.0 | 9.4 | 16.6 | 18.8 | 13.5 | 13.5 | 14.1 | 11.7 |
| DGC mg/l | 2.0 | 2.4 | 2.4 | | | 2.8 | | 3.2 | | 3.2 |
| POC mg/l | 1.43 | 1.94 | 1.72 | 2.30 | 1.91 | 2.27 | 3.71 | 4.22 | 4.56 | 3.19 |
| PON ug/l | 254 | 364 | 306 | 438 | 353 | 433 | 708 | 836 | 913 | 560 |
| C/N | 5.60 | 5.32 | 5.61 | 5.25 | 5.42 | 5.25 | 5.23 | 5.05 | 5.00 | 5.69 |
| Het.B /ml | | | | | | | | | | |
| GP($\mu\text{C}/\text{m}^2/\text{d}$) | | | 0.44 | | | 0.26 | | 0.73 | | 0.04 |

1994/02/09

| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|---------------------------|-------|-------|---------|-------|-------|---------|-------|---------|-------|-------|
| Time | 11:55 | 12:25 | 12:35 | 13:00 | 13:55 | 13:40 | 13:30 | 11:00 | 10:50 | 10:15 |
| Depth (m) | | | 4.0 | | | 3.0 | | 5.8 | | 3.9 |
| Transp(cm) | 75 | 90 | 100 | 105 | 65 | 60 | 105 | 105 | 115 | 95 |
| E.C(us/cm) | 210 | 232 | 237 | 248 | 280 | 265 | 260 | 290 | 272 | 332 |
| W.Temp. 0m | 6.1 | | 5.1 | | | 5.4 | | 4.6 | | 4.9 |
| 0.5m | 6.1 | | 5.0 | | | 5.4 | | 4.5 | | 4.9 |
| 1m | 6.0 | | 5.0 | | | 5.4 | | 4.5 | | 4.8 |
| 2m | 5.0 | | 4.8 | | | 5.3 | | 4.4 | | 4.8 |
| 3m | 5.0 | | 4.7 | | | 5.1 | | 4.3 | | 4.8 |
| 4m | | | 4.6 | | | | | 4.3 | | 4.8 |
| 5m | | | | | | | | 4.3 | | |
| 6m | | | | | | | | 4.3 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 15.4 | | 15.0 | | | 13.2 | | 13.4 | | 12.4 |
| 0.5m | 16.0 | | 16.1 | | | 14.0 | | 13.2 | | 12.4 |
| 1m | 12.7 | | 17.0 | | | 14.5 | | 13.2 | | 12.6 |
| 2m | 12.4 | | 15.0 | | | 12.5 | | 12.6 | | 13.0 |
| 3m | | | 13.5 | | | | | 12.2 | | 13.2 |
| 4m | | | | | | | | 12.1 | | 12.8 |
| 5m | | | | | | | | 11.9 | | |
| 6m | | | | | | | | 11.9 | | |
| bot. | | | | | | | | | | |
| L.l. air | | | 1,740.0 | | | 1,150.0 | | 1,480.0 | | 628.0 |
| (uE/m ² /s) 0m | | | 1,060.0 | | | 630.0 | | 980.0 | | 380.0 |
| 0.25m | | | 580.0 | | | 160.0 | | 640.0 | | 220.0 |
| 0.5m | | | 320.0 | | | 70.0 | | 360.0 | | 136.0 |
| 0.75m | | | 180.0 | | | 27.0 | | 210.0 | | 83.0 |
| 1m | | | 110.0 | | | 13.0 | | 130.0 | | 53.0 |
| 1.5m | | | 45.0 | | | 2.1 | | 51.0 | | 22.0 |
| 2m | | | 19.0 | | | | | 22.0 | | 10.0 |
| 3m | | | 3.6 | | | | | 4.1 | | 2.4 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.63 | | 10.05 | | | 8.97 | | 8.60 | | 8.41 |
| 0.5m | 10.06 | | 10.30 | | | 9.18 | | 8.93 | | 8.46 |
| 1m | 10.08 | | 10.32 | | | 9.18 | | 8.94 | | 8.51 |
| 2m | 10.08 | | 10.32 | | | 9.17 | | 8.93 | | 8.52 |
| 3m | 10.10 | | 10.28 | | | 9.22 | | 8.90 | | 8.53 |
| 4m | | | 10.25 | | | | | 8.84 | | 8.51 |
| 5m | | | | | | | | 8.81 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 8.8 | | |
| PO ₄ -P ug/l | 7 | 4 | 2 | 2 | 5 | 2 | 1 | 1 | 1 | 1 |
| DTP ug/l | 17 | 15 | 12 | 12 | 19 | 15 | 11 | 11 | 10 | 11 |
| T.P. ug/l | 118 | 101 | 100 | 93 | 104 | 88 | 59 | 67 | 69 | 68 |
| NH ₄ -N ug/l | 17 | 13 | 14 | 11 | 103 | 9 | 9 | 10 | 35 | 19 |
| NO ₂ -N ug/l | 25 | 20 | 14 | 12 | 18 | 7 | 3 | 1 | 2 | 2 |
| NO ₃ -N ug/l | 1651 | 1015 | 671 | 520 | 1,362 | 555 | 283 | 260 | 284 | 279 |
| TN ug/l | 2,253 | 1,709 | 1,388 | 1,252 | 1,956 | 1,156 | 807 | 893 | 893 | 807 |
| D-COD mg/l | 3.1 | 4.0 | 3.7 | 4.4 | | | | 3.8 | | |
| T-COD mg/l | 6.1 | 7.6 | 7.1 | 7.1 | | 6.4 | 6.3 | 6.8 | 6.3 | 6.9 |
| Chl-a ug/l | 57 | 69 | 67 | 59 | 25 | 25 | 26 | 28 | 27 | 23 |
| Phyco. ug/l | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SSdw mg/l | 17.2 | 12.3 | 11.3 | 10.5 | 20.0 | 26.1 | 9.0 | 11.3 | 9.2 | 11.6 |
| DOC mg/l | 2.1 | 2.6 | 2.9 | | | 2.7 | | 3.0 | | 3.1 |
| POC mg/l | 3.48 | 3.57 | 3.48 | 3.27 | 2.22 | 2.46 | 2.06 | 2.55 | 2.51 | 2.15 |
| PON ug/l | 614 | 654 | 606 | 581 | 407 | 420 | 357 | 456 | 423 | 384 |
| C/N | 5.66 | 5.46 | 5.74 | 5.62 | 5.45 | 5.85 | 5.76 | 5.59 | 5.93 | 5.60 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 1.00 | | | 0.33 | | 0.50 | | 0.40 |

1994/03/09

| | St.1 12:00 | St.2 12:53 | St.3 13:05 | St.4 13:30 | St.6 14:22 | St.7 14:01 | St.8 13:52 | St.9 11:10 | St.11 10:58 | St.12 10:23 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.3 | | 4.1 | | | 2.9 | | 5.7 | 5.5 | 4.1 |
| Transp(cm) | 65 | 65 | 80 | 80 | 55 | 55 | 80 | 85 | 80 | 70 |
| E.C(us/cm) | 205 | 220 | 232 | 248 | 283 | 262 | 262 | 273 | 282 | 303 |
| W.Temp. 0m | 8.7 | | 7.5 | | | 7.9 | | 6.9 | | 7.6 |
| 0.5m | 8.7 | | 7.6 | | | 7.8 | | 6.9 | | 7.3 |
| 1m | 8.6 | | 7.5 | | | 7.6 | | 6.8 | | 7.1 |
| 2m | 8.3 | | 7.3 | | | 7.5 | | 6.6 | | 6.9 |
| 3m | | | 6.8 | | | | | 6.3 | | 6.8 |
| 4m | | | 6.8 | | | | | 6.1 | | 6.8 |
| 5m | | | | | | | | 6.1 | | |
| 6m | | | | | | | | 6.1 | | |
| bot. | 8.0 | | | | | 7.4 | | | | |
| DO(mg/l) 0m | 13.8 | | 13.7 | | | 12.8 | | 14.7 | | 12.7 |
| 0.5m | 14.5 | | 13.9 | | | 12.6 | | 14.6 | | 12.2 |
| 1m | 14.3 | | 13.9 | | | 12.4 | | 14.5 | | 12.0 |
| 2m | 14.2 | | 13.5 | | | 12.3 | | 14.6 | | 12.1 |
| 3m | | | 13.3 | | | | | 14.7 | | 11.8 |
| 4m | | | 10.6 | | | | | 14.5 | | 11.4 |
| 5m | | | | | | | | 14.1 | | |
| 6m | | | | | | | | 13.5 | | |
| bot. | 13.9 | | | | | 12.1 | | | | |
| L.l. air | | | 154.4 | | | 272.1 | | 319.2 | | 484.9 |
| (uE/m ² /s) 0m | | | 144.4 | | | 313.2 | | 357.8 | | 459.5 |
| 0.25m | | | 62.6 | | | 85.5 | | 188.9 | | 235.8 |
| 0.5m | | | 29.4 | | | 22.2 | | 110.9 | | 122.2 |
| 0.75m | | | 14.5 | | | 7.5 | | 55.9 | | 60.2 |
| 1m | | | 7.9 | | | 2.8 | | 27.6 | | 34.9 |
| 1.5m | | | | | | 0.4 | | 10.8 | | 11.1 |
| 2m | | | 1.3 | | | | | 4.1 | | 5.4 |
| 3m | | | 0.2 | | | | | 0.7 | | 0.9 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.15 | | 9.25 | | | 8.56 | | 8.62 | | 8.14 |
| 0.5m | 9.29 | | 9.46 | | | 8.67 | | 8.62 | | 8.10 |
| 1m | 9.31 | | 9.46 | | | 8.58 | | 8.65 | | 8.11 |
| 2m | 8.94 | | 9.31 | | | 8.47 | | 8.59 | | 8.10 |
| 3m | | | 8.81 | | | | | 8.49 | | 8.15 |
| 4m | | | 8.48 | | | | | 8.39 | | 8.10 |
| 5m | | | | | | | | 8.30 | | |
| 6m | | | | | | | | | | |
| bot. | 8.79 | | | | | 8.4 | | 8.2 | | |
| PO ₄ -P ug/l | 5 | 3 | 1 | 1 | 15 | 5 | 2 | 2 | 2 | 1 |
| DTP ug/l | 21 | 21 | 19 | 17 | 34 | 21 | 18 | 18 | 17 | 17 |
| T.P. ug/l | 121 | 144 | 86 | 85 | 131 | 102 | 97 | 105 | 68 | 66 |
| NH ₄ -N ug/l | 17 | 19 | 17 | 16 | 512 | 62 | 18 | 21 | 47 | 32 |
| NO ₂ -N ug/l | 24 | 16 | 10 | 7 | 35 | 12 | 4 | 3 | 4 | 4 |
| NO ₃ -N ug/l | 1712 | 1204 | 827 | 597 | 1,663 | 842 | 321 | 354 | 372 | 359 |
| TN ug/l | 2,878 | 2,192 | 1,544 | 1,277 | 3,030 | 1,601 | 1,525 | 1,144 | 1,353 | 1,048 |
| D-COD mg/l | 2.8 | 3.0 | 3.2 | 4.5 | | | | 3.5 | | |
| T-COD mg/l | 5.7 | 6.3 | 6.2 | 6.1 | | 6.4 | 6.0 | 4.9 | 5.6 | 5.8 |
| Chl-a ug/l | 66 | 59 | 51 | 54 | 38 | 40 | 39 | 41 | 37 | 34 |
| Phyco.ug/l | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SSdw mg/l | 21.0 | 18.0 | 14.8 | 13.5 | 22.6 | 38.6 | | 13.5 | 12.1 | 15.3 |
| DOC mg/l | 2.3 | 2.6 | 2.7 | | | 2.6 | | 2.9 | | 2.9 |
| POC mg/l | 3.66 | 3.25 | 3.09 | 2.59 | 2.40 | 2.65 | 2.26 | 2.33 | 2.37 | 2.40 |
| PON ug/l | 694 | 623 | 593 | 522 | 492 | 501 | 447 | 482 | 461 | 437 |
| C/N | 5.28 | 5.22 | 5.21 | 4.96 | 4.89 | 5.28 | 5.06 | 4.83 | 5.15 | 5.49 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.70 | | | 0.19 | | 0.19 | | 0.17 |

1994/04/06

| | St.1 11:49 | St.2 12:20 | St.3 12:29 | St.4 12:55 | St.6 13:50 | St.7 13:28 | St.8 13:15 | St.9 10:39 | St.11 10:28 | St.12 10:02 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.5 | 3.8 | 3.9 | 5.7 | 5.0 | 3.1 | 5.1 | 5.7 | 5.3 | 3.8 |
| Transp(cm) | 80 | 70 | 80 | 80 | 80 | 70 | 80 | 90 | 100 | 80 |
| E.C(us/cm) | 185 | 200 | 220 | 260 | 258 | 253 | 262 | 273 | 280 | 312 |
| W.Temp. 0m | 16.0 | | 15.3 | | | 15.5 | | 15.5 | | 14.5 |
| 0.5m | 15.9 | | 14.9 | | | 15.4 | | 13.2 | | 14.5 |
| 1m | 15.8 | | 14.3 | | | 15.4 | | 12.6 | | 14.1 |
| 2m | 14.7 | | 13.5 | | | 15.4 | | 12.2 | | 13.3 |
| 3m | | | 12.5 | | | 13.3 | | 12.1 | | 11.6 |
| 4m | | | | | | | | 11.2 | | |
| 5m | | | | | | | | 11.1 | | |
| 6m | | | | | | | | | | |
| bot. | 14.4 | | 12.1 | | | 13.3 | | 11.0 | | 11.5 |
| DO(mg/l)0m | | | | | | | | | | |
| 0.5m | | | | | | | | | | |
| 1m | | | | | | | | | | |
| 2m | | | | | | | | | | |
| 3m | | | | | | | | | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | | | |
| L.l. air | | | 1,424.0 | | | 1,324.0 | | 1,500.0 | | 1,340.0 |
| (uE/m ² /s) 0m | | | 1,678.0 | | | 1,418.0 | | 1,676.0 | | 1,713.0 |
| 0.25m | | | 708.0 | | | 380.0 | | 788.0 | | 711.0 |
| 0.5m | | | 350.0 | | | 125.0 | | 383.0 | | 319.0 |
| 0.75m | | | 186.0 | | | 61.0 | | 192.0 | | 162.0 |
| 1m | | | 94.7 | | | 23.3 | | 83.5 | | 81.2 |
| 1.5m | | | 27.6 | | | 3.7 | | 23.0 | | 22.2 |
| 2m | | | 8.1 | | | 0.8 | | 6.7 | | 6.5 |
| 3m | | | 0.7 | | | | | 0.7 | | 0.5 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.88 | | 10.24 | | | 9.37 | | 9.50 | | 9.56 |
| 0.5m | 9.88 | | 10.36 | | | 9.56 | | 9.84 | | 9.62 |
| 1m | 9.89 | | 10.39 | | | 9.59 | | 9.85 | | 9.55 |
| 2m | 9.54 | | 10.20 | | | 9.60 | | 9.68 | | 9.30 |
| 3m | | | 9.77 | | | 8.39 | | 9.60 | | 8.41 |
| 4m | | | | | | | | 9.01 | | |
| 5m | | | | | | | | 8.93 | | |
| 6m | | | | | | | | | | |
| bot. | 9.33 | | 9.54 | | | 8.24 | | 8.61 | | 8.06 |
| PO ₄ -P ug/l | 4 | 3 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 1 |
| DTP ug/l | 20 | 18 | 17 | 13 | 17 | 17 | 17 | 12 | 12 | 12 |
| T.P. ug/l | 136 | 143 | 128 | 98 | 102 | 97 | 76 | 87 | 63 | 75 |
| NH ₄ -N ug/l | 34 | 26 | 28 | 14 | 25 | 18 | 16 | 21 | 24 | 30 |
| NO ₂ -N ug/l | 36 | 27 | 22 | 9 | 26 | 15 | 6 | 3 | 5 | 1 |
| NO ₃ -N ug/l | 1824 | 1199 | 679 | 155 | 1,457 | 750 | 131 | 10 | 53 | 3 |
| TN ug/l | 2,911 | 2,465 | 2,102 | 1,465 | 2,632 | 1,695 | 1,165 | 1,193 | 1,137 | 1,137 |
| D-COD mg/l | 3.2 | 3.4 | 3.4 | 3.9 | | | | 3.7 | | |
| T-COD mg/l | 6.7 | 7.8 | 8.2 | 9.0 | | 7.4 | 8.3 | 8.5 | 8.3 | 9.3 |
| Chl-a ug/l | 60 | 66 | 77 | 71 | 69 | 61 | 63 | 61 | 48 | 51 |
| Phyco.ug/l | | | | | | | | | | |
| SSdw mg/l | 20.5 | 21.7 | 21.5 | 19.5 | 21.4 | 28.6 | 19.7 | 22.3 | 14.9 | 20.5 |
| DOC mg/l | 2.3 | 2.7 | 2.6 | | | 2.5 | | 3.0 | | 3.2 |
| POC mg/l | 4.19 | 4.68 | 5.47 | 5.24 | 4.18 | 3.79 | 4.28 | 4.86 | 4.26 | 4.84 |
| PON ug/l | 672 | 781 | 893 | 861 | 689 | 640 | 701 | 794 | 663 | 714 |
| C/N | 6.22 | 5.99 | 6.12 | 6.09 | 6.06 | 5.93 | 6.10 | 6.13 | 6.43 | 6.78 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 2.25 | | | 1.08 | | 1.38 | | 1.21 |

1994/05/11

| | St.1 12:15 | St.2 12:45 | St.3 13:00 | St.4 13:30 | St.6 14:55 | St.7 14:45 | St.8 14:25 | St.9 10:55 | St.11 10:40 | St.12 10:05 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.4 | | 3.7 | | | | | 5.5 | | 3.9 |
| Transp(cm) | 50 | 55 | 70 | 80 | 60 | 70 | 90 | 120 | 110 | 120 |
| E.C(us/cm) | 227 | 232 | 242 | 283 | 298 | 283 | 278 | 283 | 290 | 344 |
| W.Temp. 0m | 20.5 | | 19.3 | | | | | 18.3 | | 18.5 |
| 0.5m | 20.5 | | 19.3 | | | | | 18.3 | | 18.5 |
| 1m | 20.5 | | 19.3 | | | | | 18.3 | | 18.5 |
| 2m | 20.5 | | 19.3 | | | | | 18.3 | | 18.5 |
| 3m | | | 19.3 | | | | | 18.3 | | 18.5 |
| 4m | | | 19.2 | | | | | 18.3 | | 18.5 |
| 5m | | | | | | | | 18.3 | | |
| 6m | | | | | | | | 18.2 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 11.2 | | 10.3 | | | | | 9.4 | | 9.4 |
| 0.5m | 11.0 | | 10.6 | | | | | 9.1 | | 9.4 |
| 1m | 10.2 | | 10.5 | | | | | 8.7 | | 9.5 |
| 2m | 8.6 | | 10.3 | | | | | 8.1 | | 9.8 |
| 3m | | | 9.5 | | | | | 7.9 | | 9.8 |
| 4m | | | 9.4 | | | | | 7.8 | | 10.0 |
| 5m | | | | | | | | 7.6 | | |
| 6m | | | | | | | | 7.6 | | |
| bot. | | | | | | | | | | |
| L.I. air | 720.0 | | 740.0 | | | | | 1,270.0 | | 1,800.0 |
| (uE/m ² /s) 0m | 540.0 | | 450.0 | | | | | 810.0 | | 1,150.0 |
| 0.25m | 100.0 | | 180.0 | | | | | 370.0 | | 660.0 |
| 0.5m | 25.0 | | 75.0 | | | | | 180.0 | | 360.0 |
| 0.75m | 7.0 | | 35.0 | | | | | 120.0 | | 240.0 |
| 1m | 1.7 | | 17.0 | | | | | 58.0 | | 140.0 |
| 1.5m | 0.1 | | 2.9 | | | | | 23.0 | | 53.0 |
| 2m | | | 0.6 | | | | | 9.2 | | 21.0 |
| 3m | | | | | | | | 1.3 | | 3.6 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 10.18 | | 10.00 | | | | | 9.59 | | 9.30 |
| 0.5m | 10.17 | | 10.00 | | | | | 9.59 | | 9.31 |
| 1m | 10.18 | | 10.00 | | | | | 9.59 | | 9.30 |
| 2m | 10.18 | | 10.01 | | | | | 9.60 | | 9.27 |
| 3m | | | 9.99 | | | | | 9.51 | | 9.26 |
| 4m | | | 9.98 | | | | | 9.51 | | 9.26 |
| 5m | | | | | | | | 9.47 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 9.43 | | |
| PO ₄ -P ug/l | 4 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 0 |
| DTP ug/l | 25 | 20 | 16 | 14 | 16 | 13 | 11 | 13 | 11 | 10 |
| T.P. ug/l | 203 | 164 | 133 | 119 | 144 | 105 | 84 | 108 | 70 | 65 |
| NH ₄ -N ug/l | 37 | 22 | 14 | 15 | 20 | 12 | 13 | 12 | 21 | 21 |
| NO ₂ -N ug/l | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 |
| NO ₃ -N ug/l | 3 | 3 | 3 | 1 | 120 | 0 | 0 | 0 | 2 | 3 |
| TN ug/l | 1,069 | 1,395 | 1,117 | 978 | 1,521 | 953 | 877 | 928 | 852 | 802 |
| D-COD mg/l | 3.6 | 3.4 | 3.0 | 3.3 | | | | 3.2 | | |
| T-COD mg/l | 11.4 | 9.8 | 8.4 | 8.1 | | 8.1 | 7.0 | 7.9 | 6.7 | 7.4 |
| Chl-a ug/l | 153 | 110 | 87 | 65 | 124 | 64 | 54 | 63 | 48 | 35 |
| Phyco. ug/l | 64 | 54 | 44 | 30 | 89 | 33 | 27 | 40 | 23 | 14 |
| SSdw mg/l | 47.0 | 39.6 | 29.4 | 23.8 | 40.0 | 33.5 | 20.6 | 18.8 | 17.9 | 17.5 |
| DOC mg/l | 3.2 | 3.1 | 3.0 | | | 3.2 | | 3.0 | | 3.0 |
| POC mg/l | 8.62 | 6.59 | 5.85 | 4.72 | 5.49 | 4.19 | 3.75 | 4.56 | 3.84 | 3.96 |
| PON ug/l | 1,471 | 1,114 | 930 | 802 | 1050 | 738 | 618 | 763 | 625 | 571 |
| C/N | 5.86 | 5.91 | 6.29 | 5.88 | 5.22 | 5.68 | 6.06 | 5.98 | 6.15 | 6.95 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 5.64 | | | 0.32 | | 0.34 | | 0.51 |

1994/06/08

| | St.1 14:20 | St.2 12:45 | St.3 13:00 | St.4 13:25 | St.6 14:20 | St.7 14:00 | St.8 13:45 | St.9 11:00 | St.11 10:46 | St.12 10:05 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 60 | 70 | 75 | 75 | 65 | 60 | 65 | 80 | 70 | 85 |
| E.C(us/cm) | 230 | 268 | 277 | 322 | 326 | 298 | 300 | 320 | 323 | 360 |
| W.Temp. 0m | 23.0 | | 23.0 | | | 22.6 | | 22.0 | | 21.6 |
| 0.5m | 22.9 | | 22.7 | | | 22.6 | | 21.8 | | 21.4 |
| 1m | 23.0 | | 22.7 | | | 22.6 | | 21.7 | | 21.1 |
| 2m | 21.9 | | 22.5 | | | 22.6 | | 21.0 | | 20.9 |
| 3m | | | 21.4 | | | | | 20.9 | | 20.7 |
| 4m | | | 21.3 | | | | | 20.9 | | |
| 5m | | | | | | | | 20.9 | | |
| 6m | | | | | | | | | | |
| bot. | 21.6 | | | | | 22.5 | | 20.9 | | 20.7 |
| DO(mg/l) 0m | 11.4 | | 11.5 | | | 8.3 | | 10.2 | | 9.4 |
| 0.5m | 12.0 | | 11.3 | | | 8.4 | | 11.0 | | 9.7 |
| 1m | 13.4 | | 11.4 | | | 8.3 | | 11.7 | | 9.7 |
| 2m | 9.0 | | 8.9 | | | 8.2 | | 9.3 | | 8.8 |
| 3m | | | 8.1 | | | | | 9.1 | | 8.6 |
| 4m | | | 8.0 | | | | | 8.9 | | |
| 5m | | | | | | | | 8.5 | | |
| 6m | | | | | | | | | | |
| bot. | 8.3 | | | | | 7.6 | | 7.5 | | 7.4 |
| L.l. air | | | 2,191.0 | | | 1,577.0 | | 2,534.0 | | 2,200.0 |
| (uE/m ² /s) 0m | | | 1,598.0 | | | 1,181.0 | | 1,940.0 | | 1,692.0 |
| 0.25m | | | 715.0 | | | 283.0 | | 900.0 | | 950.0 |
| 0.5m | | | 305.0 | | | 140.0 | | 530.0 | | 420.0 |
| 0.75m | | | 133.0 | | | 67.0 | | 300.0 | | 270.0 |
| 1m | | | 68.0 | | | 23.0 | | 160.0 | | 140.0 |
| 1.5m | | | 18.0 | | | 4.5 | | 51.0 | | 49.0 |
| 2m | | | 4.2 | | | 0.8 | | 20.0 | | 17.0 |
| 3m | | | | | | | | 2.4 | | 2.2 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | | | |
| pH 0m | | | | | | | | 7.75 | | 8.93 |
| 0.5m | | | | | | | | 7.87 | | 8.97 |
| 1m | | | | | | | | 7.95 | | 8.99 |
| 2m | | | | | | | | 7.63 | | 8.72 |
| 3m | | | | | | | | 7.50 | | 8.73 |
| 4m | | | | | | | | 7.45 | | |
| 5m | | | | | | | | 7.41 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 7.41 | | 8.67 |
| PO ₄ -P ug/l | 14 | 30 | 33 | 23 | 14 | 2 | 2 | 1 | 3 | 1 |
| DTP ug/l | 32 | 46 | 46 | 33 | 36 | 16 | 15 | 13 | 15 | 13 |
| T.P. ug/l | 162 | 162 | 147 | 138 | 144 | 107 | 96 | 101 | 103 | 85 |
| NH ₄ -N ug/l | 19 | 18 | 20 | 16 | 377 | 14 | 20 | 13 | 24 | 19 |
| NO ₂ -N ug/l | 1 | 1 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 |
| NO ₃ -N ug/l | 14 | 0 | 1 | 0 | 704 | 0 | 5 | 1 | 3 | 2 |
| TN ug/l | 1,319 | 1,183 | 1,159 | 1,208 | 2,036 | 964 | 894 | 1,008 | 958 | 1,046 |
| D-COD mg/l | 5.0 | 4.2 | 3.7 | 3.9 | | | | 3.5 | | |
| T-COD mg/l | 9.8 | 8.8 | 8.5 | 8.8 | | 7.5 | 7.5 | 8.9 | 9.1 | 8.8 |
| Chl-a ug/l | 100 | 73 | 68 | 68 | 59 | 53 | 50 | 58 | 52 | 47 |
| Phyco. ug/l | 81 | 68 | 69 | 63 | 33 | 59 | 40 | 37 | 56 | 39 |
| SSdw mg/l | 28.6 | 23.2 | 22.6 | 18.6 | 23.2 | 27.7 | 20.3 | 17.7 | 17.4 | 18.7 |
| DOC mg/l | 4.1 | 3.6 | 3.4 | | | 3.4 | | 3.1 | | 3.2 |
| POC mg/l | 6.33 | 5.71 | 6.02 | 5.50 | 4.01 | 4.07 | 4.43 | 5.61 | 5.25 | 5.26 |
| PON ug/l | 986 | 889 | 901 | 810 | 734 | 682 | 665 | 781 | 671 | 692 |
| C/N | 6.42 | 6.42 | 6.67 | 6.79 | 5.47 | 5.98 | 6.66 | 7.19 | 7.82 | 7.60 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 1.55 | | | 1.22 | | 1.56 | | 1.44 |

1994/07/06

| Time | St.1 12:00 | St.2 12:30 | St.3 12:40 | St.4 13:10 | St.6 15:50 | St.7 15:50 | St.8 12:25 | St.9 10:45 | St.11 10:33 | St.12 10:10 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 70 | 70 | 90 | 75 | | 70 | 85 | 90 | 85 | 85 |
| E.C(us/cm) | 235 | 264 | 290 | 325 | 318 | 312 | 315 | 345 | 394 | 392 |
| W.Temp. 0m | 29.0 | | 27.2 | | | 28.3 | | 25.6 | | 25.0 |
| 0.5m | 29.1 | | 27.2 | | | | | 25.5 | | 24.5 |
| 1m | 28.9 | | 27.0 | | | | | 25.5 | | 24.8 |
| 2m | 28.6 | | 26.8 | | | | | 25.2 | | 24.1 |
| 3m | 28.2 | | 26.1 | | | | | 24.9 | | 22.2 |
| 4m | | | 24.4 | | | | | 23.8 | | 21.9 |
| 5m | | | | | | | | 22.6 | | |
| 6m | | | | | | | | 22.1 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 13.1 | | 12.6 | | | 10.1 | | 12.0 | | 10.3 |
| 0.5m | 12.5 | | 12.6 | | | | | 12.4 | | 9.8 |
| 1m | 12.8 | | 12.8 | | | | | 12.4 | | 9.9 |
| 2m | 12.3 | | 12.5 | | | | | 12.1 | | 9.2 |
| 3m | 10.4 | | 10.3 | | | | | 11.4 | | 5.3 |
| 4m | | | 3.1 | | | | | 8.1 | | 3.7 |
| 5m | | | | | | | | 1.9 | | |
| 6m | | | | | | | | 1.3 | | |
| bot. | | | | | | | | | | |
| L.I. air | 2,641.0 | | 2,766.0 | | | | | 2,800.0 | | 1,909.0 |
| (uE/m ² /s) 0m | 2,000.0 | | 2,422.0 | | | 430.0 | | 2,000.0 | | 1,890.0 |
| 0.25m | 1,040.0 | | 1,070.0 | | | | | 1,200.0 | | 1,005.0 |
| 0.5m | 380.0 | | 635.0 | | | 62.0 | | 580.0 | | 604.0 |
| 0.75m | 189.0 | | 390.0 | | | | | 443.0 | | 351.0 |
| 1m | 98.0 | | 245.0 | | | 28.0 | | 303.0 | | 198.0 |
| 1.5m | 22.7 | | 89.0 | | | | | 147.0 | | 86.0 |
| 2m | | | 26.0 | | | | | 68.0 | | 26.8 |
| 3m | | | | | | | | 17.4 | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.39 | | 9.30 | | | 9.18 | | 9.11 | | 8.84 |
| 0.5m | 9.40 | | 9.32 | | | | | 9.11 | | 8.83 |
| 1m | 9.39 | | 9.32 | | | | | 9.10 | | 8.81 |
| 2m | 9.30 | | 9.29 | | | | | 9.02 | | 8.55 |
| 3m | 9.10 | | 8.89 | | | | | 8.88 | | 7.33 |
| 4m | | | 7.54 | | | | | 8.01 | | 7.20 |
| 5m | | | | | | | | 7.12 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 7.05 | | |
| PO ₄ -P ug/l | 3 | 24 | 25 | 21 | 3 | 2 | 1 | 6 | 1 | 0 |
| DTP ug/l | 29 | 44 | 41 | 37 | 24 | 21 | 17 | 24 | 17 | 15 |
| T.P. ug/l | 133 | 123 | 117 | 119 | 108 | 90 | 72 | 82 | 82 | 81 |
| NH ₄ -N ug/l | 13 | 16 | 11 | 13 | 31 | 10 | 10 | 13 | 26 | 16 |
| NO ₂ -N ug/l | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 |
| NO ₃ -N ug/l | 1 | 0 | 0 | 0 | 350 | 4 | 1 | 1 | 1 | 1 |
| TN ug/l | 1,328 | 1,056 | 1,030 | 1,121 | 1,575 | 945 | 861 | 952 | 1,030 | 1,030 |
| D-COD mg/l | 5.0 | 4.9 | 4.6 | 4.6 | | | | 4.0 | | |
| T-COD mg/l | 12.0 | 10.4 | 10.0 | 10.5 | | 9.0 | 8.3 | 9.5 | 13.1 | 10.0 |
| Chl-a ug/l | 87 | 62 | 61 | 55 | 79 | 44 | 40 | 44 | 51 | 57 |
| Phyco.ug/l | 91 | 42 | 26 | 23 | 53 | 35 | 28 | 18 | 15 | 26 |
| SSdw mg/l | 25.1 | 17.8 | 15.8 | 14.6 | 22.6 | 18.7 | 15.4 | 12.7 | 13.1 | 13.7 |
| DOC mg/l | 3.9 | 3.7 | 3.5 | | | 3.4 | | 3.3 | | 3.3 |
| POC mg/l | 7.05 | 5.44 | 5.51 | 5.68 | 3.91 | 3.90 | 4.79 | 4.85 | 5.20 | 5.21 |
| PON ug/l | 942 | 723 | 727 | 765 | 746 | 633 | 657 | 671 | 692 | 716 |
| C/N | 7.49 | 7.53 | 7.57 | 7.43 | 5.25 | 6.16 | 7.29 | 7.23 | 7.51 | 7.28 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 1.16 | | | 1.08 | | 2.49 | | 2.46 |

1994/08/10

| | St.1 12:00 | St.2 12:30 | St.3 12:40 | St.4 13:10 | St.6 14:00 | St.7 13:40 | St.8 13:30 | St.9 10:40 | St.11 10:30 | St.12 10:05 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 45 | 50 | 65 | 75 | 30 | 55 | 70 | 85 | 90 | 80 |
| E.C(us/cm) | 286 | 302 | 323 | 348 | 335 | 334 | 337 | 362 | 362 | 414 |
| W.Temp. 0m | 31.6 | | 31.1 | | | 31.2 | | 30.5 | | 29.7 |
| 0.5m | 31.6 | | 31.1 | | | 31.2 | | 30.5 | | 29.7 |
| 1m | 31.4 | | 31.0 | | | 31.2 | | 30.5 | | 29.6 |
| 2m | 30.9 | | 31.0 | | | 31.2 | | 30.2 | | 29.4 |
| 3m | | | 30.2 | | | 30.9 | | 29.9 | | 29.2 |
| 4m | | | 30.1 | | | | | 29.8 | | 29.1 |
| 5m | | | | | | | | 29.8 | | |
| 6m | | | | | | | | 29.8 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 8.4 | | 9.1 | | | 6.1 | | 8.8 | | 9.4 |
| 0.5m | 8.4 | | 9.1 | | | 6.0 | | 8.9 | | 9.5 |
| 1m | 7.8 | | 9.0 | | | 6.0 | | 8.8 | | 9.3 |
| 2m | 4.5 | | 8.8 | | | 5.9 | | 7.7 | | 7.9 |
| 3m | | | 5.6 | | | 5.3 | | 6.3 | | 6.3 |
| 4m | | | 5.1 | | | | | 5.8 | | 5.5 |
| 5m | | | | | | | | 5.5 | | |
| 6m | | | | | | | | 5.2 | | |
| bot. | | | | | | | | | | |
| L.l. air | | | 2,750.0 | | | 670.0 | | 2,700.0 | | 2,150.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 1,760.0 | | | 360.0 | | 1,700.0 | | 1,650.0 |
| 0.25m | | | 770.0 | | | 290.0 | | 900.0 | | 920.0 |
| 0.5m | | | 380.0 | | | 21.0 | | 480.0 | | 460.0 |
| 0.75m | | | 140.0 | | | 7.0 | | 270.0 | | 260.0 |
| 1m | | | 75.0 | | | 6.7 | | 150.0 | | 160.0 |
| 1.5m | | | 15.3 | | | 0.9 | | 32.0 | | 47.0 |
| 2m | | | 3.3 | | | | | 10.8 | | 13.5 |
| 3m | | | 0.2 | | | | | 1.7 | | 1.8 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 8.71 | | 8.86 | | | 8.06 | | 8.78 | | 8.64 |
| 0.5m | 8.68 | | 8.85 | | | 8.05 | | 8.79 | | 8.76 |
| 1m | 8.62 | | 8.83 | | | 8.05 | | 8.78 | | 8.76 |
| 2m | 8.03 | | 8.84 | | | 8.03 | | 8.63 | | 8.52 |
| 3m | | | 8.50 | | | 7.85 | | 8.41 | | 8.03 |
| 4m | | | 8.09 | | | | | 8.32 | | 7.84 |
| 5m | | | | | | | | 8.25 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 8.17 | | |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 20 | 16 | 10 | 17 | 22 | 28 | 15 | 24 | 18 | 22 |
| DTP $\mu\text{g}/\text{l}$ | 225 | 256 | 262 | 146 | 71 | 116 | 138 | 117 | 102 | 73 |
| T.P. $\mu\text{g}/\text{l}$ | 370 | 370 | 370 | 229 | 370 | 164 | 199 | 176 | 170 | 138 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 29 | 14 | 14 | 11 | 23 | 20 | 15 | 25 | 41 | 20 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 0 | 0 | 0 | 0 | 0 | 12 | 5 | 0 | 0 | 0 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 2 | 0 | 0 | 0 | 3 | 40 | 8 | 0 | 2 | 4 |
| TN $\mu\text{g}/\text{l}$ | 1,580 | 1,444 | 1,332 | 1,145 | 1,972 | 1,153 | 1,013 | 1,115 | 1,166 | 1,051 |
| D-COD mg/l | 5.8 | 5.3 | 5.1 | 5.3 | | | | 4.8 | | |
| T-COD mg/l | 13.1 | 13.2 | 10.6 | 10.5 | | 8.6 | 8.3 | 10.4 | 9.9 | 10.4 |
| Chl-a $\mu\text{g}/\text{l}$ | 131 | 128 | 99 | 95 | 352 | 43 | 45 | 78 | 73 | 75 |
| Phyco. $\mu\text{g}/\text{l}$ | 301 | 195 | 312 | 101 | 1286 | 75 | 42 | 32 | 72 | 44 |
| SSdw mg/l | 39.8 | 28.1 | 21.9 | 17.2 | 66.6 | 24.8 | 18.4 | 15.2 | 16.7 | 17.0 |
| DOC mg/l | 5.2 | 5.2 | 4.9 | | | 4.2 | | 4.0 | | 4.2 |
| POC mg/l | 8.54 | 7.35 | 6.47 | 5.49 | 22.35 | 2.80 | 2.49 | 4.76 | 5.64 | 5.45 |
| PON $\mu\text{g}/\text{l}$ | 1,428 | 1,102 | 1,024 | 898 | 4096 | 552 | 480 | 768 | 860 | 796 |
| C/N | 5.98 | 6.67 | 6.32 | 6.12 | 5.50 | 5.06 | 5.18 | 6.20 | 6.56 | 6.85 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 3.12 | | | 0.61 | | 1.70 | | 2.07 |

1994/09/07

| | St.1 12:00 | St.2 12:35 | St.3 12:45 | St.4 13:10 | St.6 14:00 | St.7 13:40 | St.8 13:30 | St.9 10:50 | St.11 10:40 | St.12 10:10 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 40 | 60 | 75 | 85 | 45 | 55 | 85 | 80 | 80 | 85 |
| E.C(us/cm) | 273 | 304 | 346 | 367 | 340 | 337 | 348 | 370 | 387 | 433 |
| W.Temp. 0m | 28.5 | | 28.1 | | | 28.1 | | 27.7 | | 26.9 |
| 0.5m | 28.4 | | 28.1 | | | 28.6 | | 27.7 | | 27.0 |
| 1m | 28.3 | | 28.0 | | | 28.3 | | 27.6 | | 27.0 |
| 2m | 28.1 | | 27.6 | | | 27.8 | | 27.4 | | 26.9 |
| 3m | | | 27.5 | | | | | 27.4 | | 26.9 |
| 4m | | | | | | | | 27.4 | | |
| 5m | | | | | | | | 27.4 | | |
| 6m | | | | | | | | | | |
| bot. | 28.0 | | 27.5 | | | 27.6 | | 27.3 | | 26.9 |
| DO(mg/l) 0m | 5.6 | | 7.7 | | | 8.4 | | 7.9 | | 7.6 |
| 0.5m | 5.3 | | 7.7 | | | 9.5 | | 7.9 | | 7.6 |
| 1m | 4.9 | | 7.7 | | | 9.7 | | 7.5 | | 7.6 |
| 2m | 5.2 | | 5.9 | | | 6.7 | | 7.1 | | 7.3 |
| 3m | | | 5.3 | | | | | 6.9 | | 7.2 |
| 4m | | | | | | | | 6.8 | | |
| 5m | | | | | | | | 6.7 | | |
| 6m | | | | | | | | | | |
| bot. | 4.8 | | 5.0 | | | 6.5 | | 5.9 | | 7.0 |
| L.l. air | | | 1,648.0 | | | 1,889.0 | | 2,278.0 | | 1,828.0 |
| (uE/m ² /s) 0m | | | 1,234.0 | | | 1,310.0 | | 1,674.0 | | 1,372.0 |
| 0.25m | | | 606.0 | | | 425.8 | | 858.0 | | 550.0 |
| 0.5m | | | 314.0 | | | 209.1 | | 489.0 | | 330.0 |
| 0.75m | | | 181.0 | | | 82.4 | | 249.0 | | 155.0 |
| 1m | | | 91.7 | | | 33.1 | | 128.0 | | 90.8 |
| 1.5m | | | 22.4 | | | 5.7 | | 50.3 | | 29.2 |
| 2m | | | 6.9 | | | 1.2 | | 18.4 | | 8.2 |
| 3m | | | | | | | | 2.0 | | 0.8 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 8.65 | | 8.84 | | | 9.09 | | 8.79 | | 8.83 |
| 0.5m | 8.57 | | 8.84 | | | 9.24 | | 8.76 | | 8.80 |
| 1m | 8.49 | | 8.83 | | | 9.26 | | 8.67 | | 8.80 |
| 2m | 8.61 | | 8.47 | | | 8.71 | | 8.56 | | 8.78 |
| 3m | | | 8.26 | | | | | 8.51 | | 8.75 |
| 4m | | | | | | | | 8.50 | | |
| 5m | | | | | | | | 8.47 | | |
| 6m | | | | | | | | | | |
| bot. | 8.56 | | 8.22 | | | 8.74 | | 8.33 | | 8.69 |
| PO ₄ -P ug/l | 52 | 39 | 17 | 15 | 28 | 20 | 21 | 23 | 22 | 24 |
| DTP ug/l | 187 | 174 | 129 | 58 | 46 | 39 | 37 | 45 | 45 | 32 |
| T.P. ug/l | 342 | 284 | 226 | 148 | 174 | 123 | 103 | 97 | 103 | 97 |
| NH ₄ -N ug/l | 257 | 277 | 12 | 16 | 19 | 15 | 15 | 19 | 21 | 24 |
| NO ₂ -N ug/l | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| NO ₃ -N ug/l | 13 | 7 | 0 | 0 | 22 | 0 | 0 | 0 | 3 | 1 |
| TN ug/l | 2,194 | 1,683 | 1,297 | 1,159 | 1,614 | 1,090 | 924 | 952 | 1,021 | 1,062 |
| D-COD mg/l | 7.8 | 7.0 | 6.2 | 6.2 | | | | 6.0 | | |
| T-COD mg/l | 13.8 | 11.6 | 10.4 | 10.7 | | 12.0 | 10.1 | 10.4 | 10.7 | 12.2 |
| Chl-a ug/l | 103 | 68 | 58 | 55 | 120 | 65 | 39 | 45 | 71 | 54 |
| Phyco. ug/l | 143 | 86 | 53 | 21 | 78 | 9 | 1 | 13 | 19 | 1 |
| SSdw mg/l | 40.0 | 19.7 | 19.2 | 19.0 | 32.8 | 29.2 | 22.2 | 21.9 | 22.1 | 24.6 |
| DOC mg/l | 5.4 | 5.1 | 5.1 | | | 4.5 | | 4.5 | | 4.6 |
| POC mg/l | 8.14 | 4.63 | 4.86 | 4.30 | 6.85 | 5.25 | 3.71 | 4.73 | 5.06 | 5.09 |
| PON ug/l | 1,451 | 877 | 770 | 643 | 1278 | 704 | 512 | 605 | 631 | 616 |
| C/N | 5.61 | 5.29 | 6.32 | 6.68 | 5.36 | 7.46 | 7.25 | 7.82 | 8.01 | 8.26 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 1.54 | | | 1.72 | | 2.41 | | 1.71 |

1994/10/12

| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Time | 12:10 | 15:50 | 13:00 | 13:20 | 14:15 | 13:55 | 13:40 | :00 | 11:00 | 10:25 |
| Depth (m) | 2.6 | | 3.9 | | | 3.0 | | 5.9 | | 4.0 |
| Transp(cm) | 70 | 85 | 90 | 110 | 105 | 75 | 90 | 115 | 110 | 95 |
| E.C(us/cm) | 188 | 247 | 282 | 293 | 288 | 253 | 327 | 360 | 345 | 362 |
| W.Temp. 0m | 20.9 | | 21.3 | | | 21.0 | | 21.2 | | 21.0 |
| 0.5m | 20.8 | | 21.2 | | | 21.0 | | 21.2 | | 21.0 |
| 1m | 20.8 | | 21.2 | | | 21.0 | | 21.1 | | 21.0 |
| 2m | 20.7 | | 21.1 | | | 20.9 | | 21.1 | | 21.0 |
| 3m | | | 21.0 | | | | | 21.1 | | 20.9 |
| 4m | | | | | | | | 21.1 | | |
| 5m | | | | | | | | 21.1 | | |
| 6m | | | | | | | | | | |
| bot. | 20.4 | | 21.0 | | | 20.8 | | 21.1 | | 20.9 |
| DO(mg/l) 0m | 10.2 | | 10.2 | | | 8.6 | | 8.4 | | 8.9 |
| 0.5m | 9.9 | | 10.1 | | | 9.1 | | 8.3 | | 8.8 |
| 1m | 9.9 | | 10.0 | | | 9.0 | | 8.3 | | 9.0 |
| 2m | 9.2 | | 9.7 | | | 8.4 | | 8.2 | | 8.9 |
| 3m | | | 8.5 | | | 8.3 | | 8.1 | | 8.9 |
| 4m | | | | | | | | 8.0 | | |
| 5m | | | | | | | | 7.9 | | |
| 6m | | | | | | | | | | |
| bot. | 8.6 | | 8.4 | | | | | 7.7 | | 8.6 |
| L.l. air | | | 449.0 | | | 321.3 | | 456.0 | | |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 301.7 | | | 205.5 | | 286.6 | | 448.2 |
| 0.25m | | | 154.8 | | | 91.9 | | 164.5 | | 232.8 |
| 0.5m | | | 80.2 | | | 32.1 | | 98.9 | | 122.5 |
| 0.75m | | | 45.2 | | | 14.7 | | 61.0 | | 61.6 |
| 1m | | | 26.6 | | | 5.5 | | 39.2 | | 33.9 |
| 1.5m | | | 9.1 | | | 1.3 | | 15.4 | | 12.8 |
| 2m | | | 3.3 | | | 0.3 | | 7.4 | | 4.3 |
| 3m | | | 0.4 | | | | | 1.5 | | 0.6 |
| 4m | | | | | | | | 0.4 | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | 8.6 | | 8.4 | | | | | 7.7 | | 8.6 |
| pH 0m | 8.76 | | 9.20 | | | 8.16 | | 8.36 | | 8.93 |
| 0.5m | 8.68 | | 9.14 | | | 8.63 | | 8.39 | | 8.98 |
| 1m | 8.65 | | 9.15 | | | 8.53 | | 8.39 | | 8.92 |
| 2m | 8.13 | | 9.03 | | | 8.22 | | 8.41 | | 8.91 |
| 3m | | | 8.62 | | | 8.11 | | 8.35 | | 8.88 |
| 4m | | | | | | | | 8.25 | | |
| 5m | | | | | | | | 8.19 | | |
| 6m | | | | | | | | | | |
| bot. | 7.78 | | 8.48 | | | | | 8.12 | | 8.8 |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 17 | 17 | 20 | 19 | 13 | 15 | 17 | 20 | 15 | 18 |
| DTP $\mu\text{g}/\text{l}$ | 23 | 22 | 23 | 23 | 31 | 20 | 23 | 28 | 21 | 20 |
| T.P. $\mu\text{g}/\text{l}$ | 105 | 100 | 91 | 103 | 88 | 90 | 100 | 85 | 91 | 92 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 39 | 71 | 21 | 107 | 96 | 58 | 44 | 95 | 109 | 31 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 48 | 117 | 178 | 161 | 37 | 23 | 3 | 11 | 1 | 1 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 1775 | 936 | 553 | 523 | 1,809 | 790 | 27 | 16 | 8 | 1 |
| TN $\mu\text{g}/\text{l}$ | 2,506 | 1,880 | 1,502 | 1,589 | 2,360 | 1,500 | 938 | 893 | 923 | 923 |
| D-COD mg/l | 3.1 | 4.5 | 6.7 | 5.3 | | | | 5.1 | | |
| T-COD mg/l | 5.9 | 7.6 | 8.0 | 8.0 | | 6.3 | 8.5 | 8.3 | 7.8 | 6.9 |
| Chl-a $\mu\text{g}/\text{l}$ | 71 | 72 | 74 | 65 | 30 | 43 | 81 | 63 | 60 | 61 |
| Phyco. $\mu\text{g}/\text{l}$ | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 1 | 1 | 1 |
| SS _{dw} mg/l | 19.6 | 22.1 | 18.4 | 14.8 | 13.3 | 26.0 | 14.1 | 11.4 | 13.7 | 17.4 |
| DOC mg/l | 1.8 | 3.0 | 3.6 | | | 2.7 | | 4.0 | | 3.9 |
| POC mg/l | 3.74 | 3.54 | 3.43 | 2.98 | 1.79 | 2.52 | 3.61 | 3.03 | 3.17 | 3.77 |
| PON $\mu\text{g}/\text{l}$ | 613 | 608 | 564 | 541 | 310 | 448 | 664 | 512 | 547 | 589 |
| C/N | 6.10 | 5.83 | 6.08 | 5.50 | 5.78 | 5.63 | 5.44 | 5.91 | 5.79 | 6.40 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 0.80 | | | 0.48 | | 0.76 | | 0.32 |

1994/11/09

| | St.1 12:00 | St.2 12:30 | St.3 12:40 | St.4 13:05 | St.6 14:00 | St.7 13:40 | St.8 13:25 | St.9 10:55 | St.11 10:40 | St.12 10:15 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.4 | | 3.7 | | | 2.7 | | 5.6 | | 3.6 |
| Transp(cm) | 75 | 70 | 95 | 95 | 70 | 60 | 80 | 105 | 105 | 90 |
| E.C(us/cm) | 242 | 210 | 290 | 343 | 295 | 290 | 295 | 346 | 359 | 393 |
| W.Temp. 0m | 15.9 | | 15.3 | | | 15.7 | | 15.3 | | 13.7 |
| 0.5m | 15.8 | | 15.2 | | | 14.5 | | 15.0 | | 13.7 |
| 1m | 14.2 | | 14.1 | | | 14.0 | | 14.4 | | 13.7 |
| 2m | 12.1 | | 13.8 | | | 13.7 | | 14.2 | | 13.7 |
| 3m | | | 13.7 | | | 13.6 | | 14.1 | | 13.5 |
| 4m | | | 13.7 | | | | | 14.1 | | 13.4 |
| 5m | | | | | | | | 14.1 | | |
| 6m | | | | | | | | 14.1 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 10.6 | | 12.2 | | | 12.3 | | 10.3 | | 10.0 |
| 0.5m | 10.6 | | 12.1 | | | 12.7 | | 10.1 | | 10.0 |
| 1m | 11.2 | | 12.2 | | | 11.8 | | 10.3 | | 10.1 |
| 2m | 10.0 | | 11.0 | | | 11.2 | | 10.0 | | 10.2 |
| 3m | | | 10.6 | | | 10.6 | | 9.2 | | 10.8 |
| 4m | | | 10.4 | | | 9.2 | | 9.4 | | 9.6 |
| 5m | | | | | | | | 8.9 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | | | |
| L.I. air | | | 1,990.0 | | | 1,600.0 | | 1,840.0 | | 1,860.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 1,170.0 | | | 820.0 | | 1,220.0 | | 1,030.0 |
| 0.25m | | | 610.0 | | | 300.0 | | 850.0 | | 580.0 |
| 0.5m | | | 270.0 | | | 93.0 | | 440.0 | | 330.0 |
| 0.75m | | | 125.0 | | | 39.0 | | 240.0 | | 180.0 |
| 1m | | | 58.0 | | | 171.0 | | 140.0 | | 89.0 |
| 1.5m | | | 18.0 | | | 3.5 | | 48.0 | | 32.0 |
| 2m | | | 6.8 | | | | | 17.5 | | 11.0 |
| 3m | | | | | | | | 6.8 | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | | | |
| pH 0m | 8.57 | | 9.38 | | | 9.40 | | 8.74 | | 8.80 |
| 0.5m | 8.60 | | 9.46 | | | 9.39 | | 8.76 | | 8.81 |
| 1m | 8.77 | | 9.39 | | | 9.23 | | 8.80 | | 8.81 |
| 2m | 7.80 | | 9.11 | | | 9.00 | | 8.59 | | 8.80 |
| 3m | | | 9.02 | | | 8.89 | | 8.40 | | 8.70 |
| 4m | | | 8.97 | | | | | 8.32 | | 8.58 |
| 5m | | | | | | | | 8.27 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 8.24 | | |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 5 | 6 | 2 | 6 | 4 | 3 | 3 | 1 | 1 | 1 |
| DTP $\mu\text{g}/\text{l}$ | 21 | 21 | 19 | 23 | 17 | 18 | 15 | 15 | 17 | 15 |
| T.P. $\mu\text{g}/\text{l}$ | 122 | 114 | 100 | 110 | 99 | 103 | 95 | 88 | 81 | 88 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 87 | 160 | 20 | 134 | 36 | 24 | 17 | 28 | 113 | 23 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 56 | 59 | 54 | 11 | 27 | 15 | 8 | 5 | 2 | 1 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 1659 | 1039 | 279 | 55 | 1,306 | 385 | 158 | 12 | 3 | 3 |
| TN $\mu\text{g}/\text{l}$ | 2,640 | 2,198 | 1,401 | 1,257 | 2,115 | 1,367 | 1,076 | 1,048 | 1,062 | 993 |
| D-COD mg/l | 3.5 | 2.8 | 4.3 | 4.9 | | | | 4.8 | | |
| T-COD mg/l | 6.2 | 6.4 | 7.7 | 8.3 | | 7.6 | 7.5 | 8.9 | 8.0 | 9.0 |
| Chl-a $\mu\text{g}/\text{l}$ | 51 | 70 | 84 | 69 | 53 | 62 | 63 | 68 | 63 | 61 |
| Phyco. $\mu\text{g}/\text{l}$ | 1 | 1 | 30 | 20 | 1 | 1 | 1 | 45 | 1 | 1 |
| SS _{dw} mg/l | 25.7 | 24.2 | 15.7 | 13.8 | 20.3 | 25.3 | 19.7 | 13.6 | 12.2 | 17.1 |
| DOC mg/l | 2.3 | 2.9 | 3.8 | | | 3.2 | | 4.3 | | 4.3 |
| POC mg/l | 4.04 | 3.38 | 3.96 | 3.82 | 3.10 | 3.54 | 3.38 | 4.10 | 3.56 | 3.95 |
| PON $\mu\text{g}/\text{l}$ | 587 | 547 | 660 | 669 | 516 | 592 | 573 | 653 | 576 | 569 |
| C/N | 6.88 | 6.19 | 6.00 | 5.71 | 6.01 | 5.98 | 5.90 | 6.27 | 6.18 | 6.95 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 0.89 | | | 1.05 | | 1.22 | | 0.54 |

----- 1994/12/07 -----

| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|---------------------------|-------|-------|---------|-------|-------|---------|-------|---------|-------|---------|
| Time | 12:00 | 12:30 | 12:40 | 13:10 | 14:00 | 13:40 | 13:30 | 11:00 | 10:50 | 10:20 |
| Depth (m) | 2.5 | | 3.9 | | | 3.1 | | 6.4 | | 4.2 |
| Transp(cm) | 60 | 65 | 60 | 75 | 70 | 70 | 85 | 100 | 80 | 65 |
| E.C(us/cm) | 243 | 290 | 312 | 322 | 326 | 312 | 332 | 368 | 355 | 412 |
| W.Temp. 0m | 8.9 | | 9.7 | | | 9.5 | | 10.1 | | 9.7 |
| 0.5m | 8.8 | | 9.7 | | | 9.5 | | 10.1 | | 9.7 |
| 1m | 8.8 | | 9.7 | | | 9.5 | | 10.1 | | 9.7 |
| 2m | 8.7 | | 9.7 | | | 9.5 | | 10.0 | | 9.5 |
| 3m | | | 9.7 | | | 9.5 | | 10.0 | | 9.5 |
| 4m | | | 9.7 | | | | | 10.0 | | 9.5 |
| 5m | | | | | | | | 10.0 | | |
| 6m | | | | | | | | 9.9 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 10.8 | | 10.4 | | | 10.9 | | 10.4 | | 10.2 |
| 0.5m | 9.7 | | 10.4 | | | 11.0 | | 10.3 | | 10.3 |
| 1m | 9.7 | | 10.2 | | | 11.0 | | 10.3 | | 10.2 |
| 2m | 9.6 | | 10.2 | | | 11.0 | | 10.2 | | 10.2 |
| 3m | | | 10.2 | | | 11.0 | | 10.2 | | 10.1 |
| 4m | | | 10.1 | | | | | 10.1 | | 10.1 |
| 5m | | | | | | | | 10.0 | | |
| 6m | | | | | | | | 10.0 | | |
| bot. | | | | | | | | | | |
| L.l. air | | | 1,468.0 | | | 1,197.0 | | 1,628.0 | | 1,103.0 |
| (uE/m ² /s) 0m | | | 1,033.0 | | | 800.0 | | 1,096.0 | | 840.0 |
| 0.25m | | | 308.0 | | | 130.0 | | 738.0 | | 371.0 |
| 0.5m | | | 101.0 | | | 63.0 | | 300.0 | | 170.0 |
| 0.75m | | | 60.0 | | | 25.0 | | 187.0 | | 100.0 |
| 1m | | | 27.0 | | | 12.0 | | 122.0 | | 60.0 |
| 1.5m | | | 5.0 | | | 4.5 | | 50.0 | | 18.0 |
| 2m | | | | | | 0.6 | | 25.0 | | 6.1 |
| 3m | | | | | | | | 4.8 | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 7.69 | | 8.27 | | | 8.90 | | 8.33 | | 8.38 |
| 0.5m | 7.68 | | 8.28 | | | 8.88 | | 8.35 | | 8.36 |
| 1m | 7.58 | | 8.32 | | | 8.89 | | 8.32 | | 8.38 |
| 2m | 7.57 | | 8.33 | | | 8.88 | | 8.32 | | 8.31 |
| 3m | | | 8.33 | | | 8.88 | | 8.31 | | 8.34 |
| 4m | | | 8.33 | | | | | 8.32 | | 8.34 |
| 5m | | | | | | | | 8.32 | | |
| 6m | | | | | | | | 8.32 | | |
| bot. | | | | | | | | 8.32 | | |
| PO ₄ -P ug/l | 13 | 13 | 5 | 5 | 3 | 2 | 1 | 1 | 1 | 1 |
| DTP ug/l | 33 | 33 | 21 | 25 | 16 | 14 | 12 | 11 | 11 | 13 |
| T.P. ug/l | 108 | 119 | 114 | 116 | 132 | 76 | 74 | 60 | 68 | 90 |
| NH ₄ -N ug/l | 195 | 133 | 54 | 83 | 10 | 16 | 12 | 9 | 24 | 21 |
| NO ₂ -N ug/l | 43 | 28 | 20 | 17 | 18 | 13 | 3 | 0 | 0 | 0 |
| NO ₃ -N ug/l | 1243 | 477 | 221 | 201 | 866 | 293 | 5 | 3 | 5 | 4 |
| TN ug/l | 2,261 | 1,754 | 1,288 | 1,411 | 1,493 | 1,055 | 959 | 822 | 849 | 822 |
| D-COD mg/l | 3.0 | 4.5 | 4.3 | 4.8 | | | | 4.6 | | |
| T-COD mg/l | 5.4 | 7.4 | 7.3 | 8.5 | | 7.0 | 8.0 | 7.7 | 7.6 | 7.7 |
| Chl-a ug/l | 29 | 28 | 47 | 47 | 51 | 39 | 47 | 35 | 32 | 29 |
| Phyco.ug/l | 1 | 1 | 14 | 15 | 7 | 9 | 31 | 18 | 19 | 13 |
| SSdw mg/l | 27.6 | 26.5 | 24.4 | 16.9 | 23.7 | 24.9 | 11.9 | 10.8 | 13.1 | 20.1 |
| DOC mg/l | 2.3 | 3.5 | 3.7 | | | 3.3 | | 3.9 | | 3.8 |
| POC mg/l | 2.75 | 4.09 | 4.39 | 3.96 | 3.72 | 3.46 | 3.30 | 3.09 | 3.25 | 3.33 |
| PON ug/l | 406 | 752 | 754 | 720 | 612 | 559 | 572 | 527 | 500 | 516 |
| C/N | 6.79 | 5.45 | 5.83 | 5.51 | 6.08 | 6.20 | 5.76 | 5.86 | 6.50 | 6.45 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.54 | | | 0.47 | | 0.80 | | 0.41 |

1995/01/11

| | St.1 12:25 | St.2 13:00 | St.3 13:10 | St.4 13:40 | St.6 14:30 | St.7 14:10 | St.8 14:00 | St.9 11:10 | St.11 11:00 | St.12 10:35 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 40 | 50 | 60 | 80 | 60 | 70 | 90 | 110 | 110 | 100 |
| E.C(us/cm) | 237 | 285 | 316 | 322 | 342 | 320 | 333 | 365 | 362 | 385 |
| W.Temp. 0m | 6.1 | | 6.7 | | | 5.9 | | 5.6 | | 5.6 |
| 0.5m | 5.8 | | 6.3 | | | 5.9 | | 5.4 | | 5.6 |
| 1m | 5.8 | | 6.4 | | | 5.9 | | 5.4 | | 5.6 |
| 2m | 5.5 | | 5.6 | | | 5.8 | | 5.4 | | 5.6 |
| 3m | | | 5.4 | | | 5.6 | | 5.4 | | 5.6 |
| 4m | | | | | | | | 5.3 | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | 5.4 | | 5.4 | | | | | 5.3 | | 5.6 |
| DO(mg/l) 0m | 15.1 | | 12.1 | | | 13.6 | | 12.6 | | 12.4 |
| 0.5m | 15.6 | | 12.3 | | | 13.7 | | 12.6 | | 12.5 |
| 1m | 15.7 | | 12.3 | | | 13.7 | | 12.7 | | 12.5 |
| 2m | 14.9 | | 12.0 | | | 13.7 | | 12.7 | | 12.6 |
| 3m | | | 11.9 | | | 13.1 | | 12.7 | | 12.6 |
| 4m | | | | | | | | 12.7 | | |
| 5m | | | | | | | | 12.6 | | |
| 6m | | | | | | | | | | |
| bot. | 14.6 | | 11.8 | | | | | 12.4 | | 12.5 |
| L.I. air | | | 638.0 | | | 643.0 | | 1,164.0 | | 1,056.0 |
| (uE/m ² /s) 0m | | | 936.0 | | | 705.0 | | 981.0 | | 965.0 |
| 0.25m | | | 319.0 | | | 243.0 | | 475.0 | | 533.0 |
| 0.5m | | | 128.0 | | | 102.0 | | 347.0 | | 324.0 |
| 0.75m | | | 54.0 | | | 46.0 | | 250.0 | | 221.0 |
| 1m | | | 23.4 | | | 24.0 | | 152.0 | | 138.0 |
| 1.5m | | | 5.0 | | | 6.3 | | 54.0 | | 66.0 |
| 2m | | | 1.1 | | | 1.8 | | 28.1 | | 33.0 |
| 3m | | | | | | | | 5.8 | | 7.9 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.15 | | 8.38 | | | 8.71 | | 8.66 | | 8.80 |
| 0.5m | 9.44 | | 8.54 | | | 8.84 | | 8.81 | | 8.92 |
| 1m | 9.44 | | 8.54 | | | 8.84 | | 8.79 | | 8.92 |
| 2m | 9.36 | | 8.43 | | | 8.82 | | 8.82 | | 8.87 |
| 3m | 9.28 | | 8.34 | | | 8.62 | | 8.81 | | 8.90 |
| 4m | | | | | | | | 8.81 | | |
| 5m | | | | | | | | 8.78 | | |
| 6m | | | | | | | | | | |
| bot. | | | 8.29 | | | | | 8.63 | | 8.92 |
| PO ₄ -P ug/l | 7 | 5 | 11 | 3 | 4 | 4 | 2 | 2 | 1 | 1 |
| DTP ug/l | 29 | 29 | 37 | 26 | 21 | 20 | 14 | 14 | 14 | 13 |
| T.P. ug/l | 150 | 158 | 139 | 103 | 106 | 97 | 101 | 69 | 59 | 60 |
| NH ₄ -N ug/l | 4 | 20 | 122 | 63 | 35 | 49 | 18 | 13 | 18 | 16 |
| NO ₂ -N ug/l | 34 | 21 | 14 | 133 | 22 | 24 | 5 | 1 | 1 | 0 |
| NO ₃ -N ug/l | 1413 | 813 | 483 | 471 | 1,241 | 1121 | 107 | 1 | 3 | 4 |
| TN ug/l | 2,456 | 1,995 | 1,576 | 1,386 | 2,103 | 2,051 | 979 | 817 | 803 | 803 |
| D-COD mg/l | 3.1 | 3.8 | 4.2 | 4.3 | | | | 4.4 | | |
| T-COD mg/l | 7.8 | 8.2 | 7.2 | 7.2 | | 6.7 | 7.1 | 6.9 | 6.8 | 7.5 |
| Chl-a ug/l | 73 | 54 | 25 | 30 | 42 | 45 | 31 | 36 | 33 | 27 |
| Phyco.ug/l | 1 | 1 | 1 | 1 | 3 | 2 | 14 | 25 | 22 | 20 |
| SSdw mg/l | 43.7 | 35.0 | 26.8 | 22.0 | 27.9 | 21.9 | 13.8 | 11.2 | 9.9 | 10.2 |
| DOC mg/l | 2.4 | 3.1 | 3.3 | | | 3.0 | | 3.8 | | 3.7 |
| POC mg/l | 5.91 | 5.08 | 4.15 | 3.21 | 3.30 | 3.16 | 2.97 | 3.31 | 3.16 | 3.17 |
| PON ug/l | 863 | 778 | 693 | 509 | 539 | 490 | 473 | 504 | 504 | 448 |
| C/N | 6.84 | 6.53 | 5.99 | 6.32 | 6.13 | 6.45 | 6.28 | 6.57 | 6.28 | 7.07 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.21 | | | 0.69 | | 0.32 | | 0.39 |

1995/02/08

| Time | St.1 12:00 | St.2 12:30 | St.3 12:40 | St.4 13:05 | St.6 14:00 | St.7 13:40 | St.8 13:25 | St.9 10:50 | St.11 10:40 | St.12 10:15 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 60 | 65 | 75 | 90 | 55 | 60 | 85 | 105 | 95 | 90 |
| E.C(us/cm) | 285 | 304 | 323 | 340 | 365 | 350 | 353 | 378 | 373 | 432 |
| W.Temp. 0m | 4.3 | | 4.3 | | | 4.8 | | 4.1 | | 4.4 |
| 0.5m | 4.3 | | 4.3 | | | 4.8 | | 4.1 | | 4.3 |
| 1m | 4.3 | | 4.2 | | | 4.8 | | 4.1 | | 4.3 |
| 2m | 4.3 | | 4.2 | | | 4.8 | | 4.1 | | 4.3 |
| 3m | | | 4.1 | | | 4.7 | | 4.1 | | 4.3 |
| 4m | | | 4.1 | | | | | 4.0 | | 4.3 |
| 5m | | | | | | | | 4.0 | | |
| 6m | | | | | | | | 4.0 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 17.2 | | 14.1 | | | 14.8 | | 14.2 | | 13.4 |
| 0.5m | 17.2 | | 14.1 | | | 14.7 | | 14.0 | | 13.6 |
| 1m | 17.2 | | 14.1 | | | 14.7 | | 14.0 | | 13.7 |
| 2m | 17.2 | | 14.1 | | | 14.6 | | 14.0 | | 13.7 |
| 3m | | | 14.1 | | | 14.6 | | 13.9 | | 13.7 |
| 4m | | | 14.0 | | | | | 13.9 | | 13.7 |
| 5m | | | | | | | | 13.9 | | |
| 6m | | | | | | | | 13.8 | | |
| bot. | | | | | | | | | | |
| L.l. air | | | 1,800.0 | | | 1,350.0 | | 1,950.0 | | 1,520.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 900.0 | | | 740.0 | | 1,250.0 | | 1,130.0 |
| 0.25m | | | 350.0 | | | 250.0 | | 870.0 | | 580.0 |
| 0.5m | | | 210.0 | | | 115.0 | | 500.0 | | 285.0 |
| 0.75m | | | 140.0 | | | 61.0 | | 315.0 | | 182.0 |
| 1m | | | 76.0 | | | 23.0 | | 195.0 | | 108.0 |
| 1.5m | | | 22.5 | | | 6.7 | | 83.0 | | 42.0 |
| 2m | | | 7.4 | | | | | 33.0 | | 16.5 |
| 3m | | | | | | | | 7.7 | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.82 | | 8.94 | | | 8.95 | | 8.82 | | 8.75 |
| 0.5m | 9.84 | | 8.95 | | | 8.96 | | 8.83 | | 8.76 |
| 1m | 9.85 | | 8.97 | | | 8.95 | | 8.83 | | 8.77 |
| 2m | 9.85 | | 8.97 | | | 8.95 | | 8.84 | | 8.76 |
| 3m | | | 8.95 | | | 8.94 | | 8.84 | | 8.76 |
| 4m | | | 8.95 | | | | | 8.84 | | 8.73 |
| 5m | | | | | | | | 8.83 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 8.72 | | |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 2 | 2 | 2 | 2 | 3 | 3 | 1 | 1 | 1 | 1 |
| DTP $\mu\text{g}/\text{l}$ | 20 | 20 | 20 | 17 | 15 | 13 | 9 | 10 | 10 | 11 |
| T.P. $\mu\text{g}/\text{l}$ | 129 | 103 | 99 | 83 | 107 | 119 | 56 | 63 | 64 | 67 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 5 | 12 | 31 | 33 | 32 | 8 | 10 | 11 | 14 | 15 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 18 | 13 | 9 | 8 | 18 | 15 | 3 | 0 | 0 | 0 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 909 | 710 | 565 | 404 | 1,052 | 748 | 11 | 6 | 14 | 6 |
| TN $\mu\text{g}/\text{l}$ | 2,125 | 2,068 | 1,510 | 1,419 | 2,198 | 1,754 | 1,020 | 953 | 993 | 953 |
| D-COD mg/l | 4.0 | 4.1 | 4.2 | 4.6 | | | | 4.8 | | |
| T-COD mg/l | 8.9 | 7.8 | 6.7 | 7.9 | | 7.8 | 7.8 | 8.0 | 7.8 | 8.2 |
| Chl-a $\mu\text{g}/\text{l}$ | 58 | 42 | 31 | 31 | 38 | 37 | 39 | 44 | 43 | 35 |
| Phyco. $\mu\text{g}/\text{l}$ | 1 | 1 | 1 | 12 | 20 | 25 | 65 | 70 | 85 | 46 |
| SSdw mg/l | 42.9 | 29.6 | 17.8 | 14.8 | 21.6 | 18.1 | 11.9 | 11.8 | 11.8 | 12.4 |
| DOC mg/l | 3.2 | 3.5 | 3.6 | | | 3.5 | | 4.0 | | 4.2 |
| POC mg/l | 6.85 | 4.73 | 3.71 | 3.56 | 3.80 | 3.98 | 3.49 | 3.57 | 3.74 | 3.80 |
| PON $\mu\text{g}/\text{l}$ | 930 | 651 | 545 | 555 | 639 | 680 | 610 | 558 | 602 | 579 |
| C/N | 7.37 | 7.27 | 6.82 | 6.42 | 5.95 | 5.86 | 5.73 | 6.39 | 6.21 | 6.56 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 0.57 | | | 0.64 | | 0.67 | | 0.48 |

1995/03/08

| | St.1 12:00 | St.2 12:40 | St.3 12:45 | St.4 13:10 | St.6 14:00 | St.7 13:45 | St.8 13:30 | St.9 10:50 | St.11 10:45 | St.12 10:20 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 50 | 60 | 80 | 75 | 50 | 70 | 75 | 90 | 85 | 80 |
| E.C(us/cm) | 257 | 298 | 327 | 345 | 338 | 353 | 353 | 372 | 372 | 398 |
| W.Temp. 0m | 7.9 | | 7.4 | | | 7.7 | | 7.3 | | 7.1 |
| 0.5m | 7.9 | | 7.4 | | | 7.7 | | 7.4 | | 7.1 |
| 1m | 7.9 | | 7.4 | | | 7.7 | | 6.9 | | 7.1 |
| 2m | 7.9 | | 7.4 | | | 7.7 | | 6.6 | | 7.0 |
| 3m | | | 7.4 | | | 7.6 | | 6.6 | | 6.8 |
| 4m | | | 7.3 | | | | | 6.5 | | 6.7 |
| 5m | | | | | | | | 6.4 | | |
| 6m | | | | | | | | 6.4 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 16.3 | | 15.1 | | | 13.9 | | 14.1 | | 13.3 |
| 0.5m | 16.2 | | 14.9 | | | 13.6 | | 13.8 | | 13.4 |
| 1m | 16.2 | | 14.6 | | | 13.3 | | 13.8 | | 13.3 |
| 2m | 16.1 | | 14.5 | | | 13.2 | | 13.7 | | 13.3 |
| 3m | | | 14.5 | | | 13.2 | | 13.5 | | 13.1 |
| 4m | | | 14.5 | | | | | 13.5 | | 12.9 |
| 5m | | | | | | | | 13.2 | | |
| 6m | | | | | | | | 13.1 | | |
| bot. | | | | | | | | | | |
| L.l. air | | | 2,339.0 | | | 2,040.0 | | 1,246.0 | | 1,880.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 1,991.0 | | | 1,800.0 | | 510.0 | | 1,400.0 |
| 0.25m | | | 678.0 | | | 624.0 | | 375.0 | | 647.0 |
| 0.5m | | | 356.0 | | | 257.0 | | 223.0 | | 300.0 |
| 0.75m | | | 187.0 | | | 134.0 | | 110.0 | | 220.0 |
| 1m | | | 105.0 | | | 63.0 | | 40.0 | | 140.0 |
| 1.5m | | | 38.0 | | | 14.3 | | 19.0 | | 62.0 |
| 2m | | | 8.6 | | | 4.0 | | 11.0 | | 23.0 |
| 3m | | | | | | | | 2.0 | | 4.0 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.81 | | 9.41 | | | 8.88 | | 8.76 | | 8.72 |
| 0.5m | 9.81 | | 9.41 | | | 8.88 | | 8.79 | | 8.83 |
| 1m | 9.81 | | 9.43 | | | 8.87 | | 8.80 | | 8.84 |
| 2m | 9.81 | | 9.43 | | | 8.87 | | 8.84 | | 8.81 |
| 3m | | | 9.43 | | | 8.86 | | 8.85 | | 8.76 |
| 4m | | | 9.35 | | | | | 8.79 | | 8.69 |
| 5m | | | | | | | | 8.76 | | |
| 6m | | | | | | | | | | |
| bot. | | | | | | | | 8.74 | | |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 2 | 2 | 1 | 1 | 4 | 1 | 1 | 0 | 0 | 0 |
| DTP $\mu\text{g}/\text{l}$ | 15 | 16 | 14 | 13 | 16 | 12 | 10 | 10 | 10 | 10 |
| T.P. $\mu\text{g}/\text{l}$ | 148 | 157 | 88 | 86 | 71 | 59 | 124 | 57 | 65 | 63 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 5 | 12 | 10 | 10 | 66 | 11 | 10 | 8 | 19 | 15 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 24 | 16 | 5 | 3 | 19 | 2 | 0 | 0 | 0 | 0 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 979 | 642 | 179 | 89 | 981 | 23 | 2 | 0 | 6 | 3 |
| TN $\mu\text{g}/\text{l}$ | 2,413 | 2,114 | 1,397 | 1,310 | 2,193 | 1,137 | 979 | 1,153 | 1,058 | 1,200 |
| D-COD mg/l | 3.6 | 4.3 | 4.4 | 4.5 | | | | 4.7 | | |
| T-COD mg/l | 9.8 | 9.6 | 8.8 | 8.3 | | 8.7 | 8.2 | 8.9 | 8.8 | 9.3 |
| Chl-a $\mu\text{g}/\text{l}$ | 88 | 77 | 57 | 57 | 46 | 47 | 43 | 50 | 50 | 45 |
| Phyco. $\mu\text{g}/\text{l}$ | 1 | 16 | 80 | 91 | 50 | 89 | 79 | 146 | 140 | 128 |
| SSdw mg/l | 42.9 | 29.6 | 17.8 | 14.8 | 21.6 | 18.1 | 11.9 | 11.8 | 11.8 | 12.4 |
| DOC mg/l | 3.0 | 3.4 | 3.8 | | | 3.8 | | 3.9 | | 3.8 |
| POC mg/l | 7.67 | 5.93 | 5.00 | 4.56 | 3.59 | 3.67 | 3.71 | 4.22 | 4.20 | 4.09 |
| PON $\mu\text{g}/\text{l}$ | 1,121 | 970 | 796 | 818 | 660 | 700 | 673 | 705 | 656 | 651 |
| C/N | 6.84 | 6.11 | 6.28 | 5.57 | 5.43 | 5.24 | 5.52 | 5.98 | 6.41 | 6.29 |
| Het.B /ml | | | | | | | | | | |
| GP ($\text{gC}/\text{m}^2/\text{d}$) | | | 1.33 | | | 0.72 | | 0.97 | | 0.66 |

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| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Time | 11:25 | 11:55 | 12:05 | 12:25 | 13:20 | 13:00 | 12:50 | 10:45 | 10:35 | 10:10 |
| Depth (m) | 2.5 | | 4.0 | | | 3.1 | | 5.8 | | 4.1 |
| Transp(cm) | 60 | 70 | 65 | 70 | 60 | 60 | 70 | 100 | 90 | 80 |
| E.C(us/cm) | 236 | 290 | 323 | 353 | 317 | 318 | 357 | 375 | 373 | 408 |
| W.Temp. 0m | 13.3 | | 12.8 | | | 13.0 | | 12.1 | | 12.5 |
| 0.5m | 13.4 | | 12.9 | | | 13.1 | | 12.0 | | 12.5 |
| 1m | 13.4 | | 12.9 | | | 13.0 | | 12.0 | | 12.4 |
| 2m | 13.4 | | 12.9 | | | 13.0 | | 12.0 | | 12.5 |
| 3m | | | 12.9 | | | 13.0 | | 12.0 | | 12.4 |
| 4m | | | | | | | | 12.0 | | 12.4 |
| 5m | | | | | | | | 11.9 | | |
| 6m | | | | | | | | | | |
| bot. | 13.4 | | 12.9 | | | 13.0 | | 11.8 | | 12.3 |
| DO(mg/l) 0m | 11.5 | | 11.9 | | | 11.4 | | 11.3 | | 11.4 |
| 0.5m | 11.8 | | 11.9 | | | 11.5 | | 11.4 | | 11.3 |
| 1m | 11.9 | | 12.0 | | | 11.5 | | 11.3 | | 11.2 |
| 2m | 11.9 | | 12.0 | | | 11.5 | | 11.3 | | 11.2 |
| 3m | | | 12.0 | | | 11.5 | | 11.2 | | 11.0 |
| 4m | | | | | | | | 11.2 | | 10.8 |
| 5m | | | | | | | | 10.7 | | |
| 6m | | | | | | | | | | |
| bot. | 11.9 | | 12.0 | | | 11.2 | | 10.2 | | 10.7 |
| L.l. air | | | 224.6 | | | 556.8 | | 351.8 | | 362.8 |
| (uE/m ² /s) 0m | | | 244.2 | | | 439.2 | | 382.5 | | 351.3 |
| 0.25m | | | 84.4 | | | 137.4 | | 138.3 | | 118.0 |
| 0.5m | | | 22.4 | | | 35.5 | | 86.8 | | 60.3 |
| 0.75m | | | 7.0 | | | 20.3 | | 43.7 | | 24.8 |
| 1m | | | 2.3 | | | 8.1 | | 25.1 | | 12.8 |
| 1.5m | | | 0.6 | | | 1.2 | | 9.9 | | 4.8 |
| 2m | | | | | | 0.2 | | 3.7 | | 2.6 |
| 3m | | | | | | | | 0.7 | | 0.3 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.13 | | 9.18 | | | 8.72 | | 8.47 | | 8.60 |
| 0.5m | 9.13 | | 9.20 | | | 8.88 | | 8.66 | | 8.84 |
| 1m | 9.12 | | 9.19 | | | 8.88 | | 8.64 | | 8.84 |
| 2m | 9.12 | | 9.20 | | | 8.87 | | 8.64 | | 8.85 |
| 3m | | | 9.20 | | | 8.87 | | 8.59 | | 8.81 |
| 4m | | | | | | | | 8.61 | | 8.78 |
| 5m | | | | | | | | 8.44 | | |
| 6m | | | | | | | | | | |
| bot. | 9.04 | | 9.14 | | | 7.71 | | 7.51 | | 8.21 |
| PO ₄ -P ug/l | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| DTP ug/l | 23 | 20 | 16 | 16 | 17 | 16 | 13 | 14 | 14 | 13 |
| T.P. ug/l | 155 | 161 | 126 | 136 | 138 | 102 | 87 | 75 | 73 | 74 |
| NH ₄ -N ug/l | 22 | 24 | 21 | 19 | 35 | 18 | 17 | 17 | 25 | 15 |
| NO ₂ -N ug/l | 41 | 15 | 5 | 4 | 23 | 17 | 1 | 0 | 0 | 0 |
| NO ₃ -N ug/l | 1262 | 529 | 7 | 19 | 971 | 746 | 6 | 1 | 5 | 4 |
| TN ug/l | 2,711 | 2,143 | 1,645 | 1,319 | 2,085 | 1,858 | 1,091 | 1,105 | 1,049 | 1,091 |
| D-COD mg/l | 3.0 | 3.5 | 3.4 | | | 3.3 | | 3.5 | | 4.2 |
| T-COD mg/l | 5.1 | 5.4 | 5.0 | 5.1 | 4.7 | 4.5 | 4.9 | 4.9 | 4.9 | 5.2 |
| Chl-a ug/l | 108 | 121 | 108 | 83 | 90 | 87 | 71 | 54 | 50 | 53 |
| Phyco. ug/l | 123 | 191 | 181 | 78 | 10 | 10 | 21 | 45 | 45 | 29 |
| SSdw mg/l | 31.1 | 25.9 | 20.0 | 17.6 | 27.9 | 27.5 | 23.0 | 13.1 | 12.3 | 17.3 |
| DOC mg/l | 3.1 | 3.8 | 4.1 | | | 3.6 | | 4.4 | | 4.6 |
| POC mg/l | 6.21 | 6.82 | 5.97 | 4.80 | 4.29 | 4.48 | 4.29 | 4.77 | 4.11 | 4.81 |
| PON ug/l | 1,064 | 1,221 | 1,118 | 888 | 752 | 753 | 743 | 685 | 660 | 731 |
| C/N | 5.84 | 5.58 | 5.34 | 5.41 | 5.71 | 5.95 | 5.77 | 6.96 | 6.22 | 6.58 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 1.18 | | | 1.03 | | 1.20 | | 1.01 |

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| | St.1 11:40 | St.2 12:10 | St.3 12:25 | St.4 12:50 | St.6 13:50 | St.7 13:25 | St.8 13:10 | St.9 10:55 | St.11 10:45 | St.12 10:20 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.5 | | 4.0 | | | 2.9 | | 5.8 | | 3.7 |
| Transp(cm) | 60 | 60 | 75 | 85 | 70 | 70 | 95 | 105 | 85 | 75 |
| E.C(us/cm) | 218 | 285 | 308 | 346 | 315 | 332 | 355 | 362 | 392 | 422 |
| W.Temp. 0m | 18.6 | | 18.3 | | | 18.7 | | 17.5 | | 17.6 |
| 0.5m | 18.6 | | 18.4 | | | 18.6 | | 17.5 | | 17.6 |
| 1m | 18.6 | | 18.5 | | | 18.6 | | 17.5 | | 17.6 |
| 2m | 18.4 | | 18.2 | | | 18.6 | | 17.5 | | 17.4 |
| 3m | | | 17.9 | | | 18.5 | | 17.4 | | 16.9 |
| 4m | | | 17.8 | | | | | 17.4 | | 16.8 |
| 5m | | | | | | | | 17.4 | | |
| 6m | | | | | | | | 16.9 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 14.2 | | 13.2 | | | 11.4 | | 10.0 | | 20.0 |
| 0.5m | 14.1 | | 13.0 | | | 11.4 | | 9.9 | | 12.2 |
| 1m | 14.2 | | 13.1 | | | 11.3 | | 9.8 | | 12.2 |
| 2m | 13.3 | | 12.7 | | | 11.3 | | 9.8 | | 11.7 |
| 3m | | | 11.6 | | | 10.9 | | 9.7 | | 8.4 |
| 4m | | | 10.6 | | | | | 9.4 | | 7.2 |
| 5m | | | | | | | | 9.0 | | |
| 6m | | | | | | | | 6.1 | | |
| bot. | | | | | | | | | | |
| L.I. air | 1,850.0 | | 2,560.0 | | | 2,160.0 | | 1,030.0 | | 861.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | 1,080.0 | | 1,520.0 | | | 1,100.0 | | 705.0 | | 520.0 |
| 0.25m | 290.0 | | 730.0 | | | 590.0 | | 320.0 | | 258.0 |
| 0.5m | 110.0 | | 430.0 | | | 320.0 | | 182.0 | | 127.0 |
| 0.75m | 41.0 | | 190.0 | | | 160.0 | | 110.0 | | 66.0 |
| 1m | 18.5 | | 105.0 | | | 74.0 | | 64.0 | | 35.0 |
| 1.5m | 3.5 | | 25.0 | | | 19.0 | | 25.0 | | 11.2 |
| 2m | 0.4 | | 6.7 | | | 5.7 | | 9.8 | | 3.6 |
| 3m | | | | | | | | 2.1 | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.26 | | 9.26 | | | 8.89 | | 8.51 | | 8.97 |
| 0.5m | 9.26 | | 9.25 | | | 8.89 | | 8.52 | | 8.97 |
| 1m | 9.27 | | 9.26 | | | 8.88 | | 8.51 | | 8.98 |
| 2m | 9.14 | | 9.25 | | | 8.88 | | 8.50 | | 8.92 |
| 3m | | | 9.13 | | | 8.82 | | 8.52 | | 8.39 |
| 4m | | | | | | | | 8.45 | | 8.02 |
| 5m | | | | | | | | 8.37 | | |
| 6m | | | | | | | | 7.62 | | |
| bot. | | | | | | | | | | |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 2 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| DTP $\mu\text{g}/\text{l}$ | 18 | 18 | 18 | 21 | 19 | 19 | 15 | 16 | 15 | 14 |
| T.P. $\mu\text{g}/\text{l}$ | 145 | 153 | 125 | 120 | 100 | 88 | 77 | 73 | 75 | 67 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 18 | 18 | 17 | 22 | 552 | 16 | 21 | 25 | 19 | 32 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 44 | 8 | 0 | 0 | 39 | 11 | 0 | 0 | 0 | 0 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 728 | 8 | 3 | 3 | 917 | 139 | 2 | 2 | 3 | 3 |
| TN $\mu\text{g}/\text{l}$ | 2,291 | 1,664 | 1,506 | 1,305 | 2,742 | 1,204 | 1,075 | 1,132 | 1,276 | 1,233 |
| D-COD mg/l | 3.5 | 3.9 | 3.9 | | | 3.5 | | 3.9 | | 4.3 |
| T-COD mg/l | 5.9 | 6.1 | 6.1 | 5.4 | 5.2 | 5.1 | 5.2 | 5.4 | 5.5 | 5.9 |
| Chl-a $\mu\text{g}/\text{l}$ | 134 | 139 | 118 | 86 | 107 | 69 | 46 | 56 | 66 | 71 |
| Phyco. $\mu\text{g}/\text{l}$ | 24 | 55 | 109 | 127 | 40 | 32 | 65 | 81 | 113 | 87 |
| SSdw mg/l | 32.4 | 47.6 | 21.4 | 16.9 | 22.7 | 24.4 | 13.0 | 12.4 | 14.4 | 18.3 |
| DOC mg/l | 3.7 | 4.4 | 4.6 | | | 4.5 | | 4.8 | | 4.7 |
| POC mg/l | 6.80 | 6.95 | 5.89 | 4.58 | 4.72 | 3.84 | 3.45 | 3.43 | 4.28 | 4.92 |
| PON $\mu\text{g}/\text{l}$ | 1,117 | 1,122 | 941 | 773 | 800 | 611 | 583 | 595 | 681 | 710 |
| C/N | 6.09 | 6.19 | 6.26 | 5.93 | 5.91 | 6.27 | 5.91 | 5.77 | 6.29 | 6.93 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 1.79 | | | 1.60 | | 0.93 | | 0.96 |

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| | St.1 | St.2 | St.3 | St.4 | St.6 | St.7 | St.8 | St.9 | St.11 | St.12 |
|--|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|
| Time | 11:10 | 11:50 | 12:00 | 12:25 | 13:15 | 13:00 | 12:45 | 10:40 | 10:30 | 10:00 |
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 60 | 60 | 70 | 70 | 55 | 50 | 55 | 80 | 80 | 70 |
| E.C(us/cm) | 192 | 245 | 263 | 322 | 283 | 288 | 298 | 338 | 345 | 382 |
| W.Temp. 0m | 20.0 | | 20.6 | | | 20.3 | | 20.0 | | 19.8 |
| 0.5m | 20.0 | | 20.6 | | | 20.3 | | 20.0 | | 19.8 |
| 1m | 20.0 | | 20.6 | | | 20.3 | | 20.0 | | 19.8 |
| 2m | 20.0 | | 20.6 | | | 20.3 | | 20.0 | | 19.8 |
| 3m | | | 20.6 | | | 20.3 | | 20.0 | | 19.8 |
| 4m | | | | | | | | 20.0 | | |
| 5m | | | | | | | | 20.0 | | |
| 6m | | | | | | | | | | |
| bot. | | | 20.6 | | | 20.3 | | 20.0 | | 19.8 |
| DO(mg/l) 0m | 8.9 | | 7.5 | | | 10.1 | | 8.5 | | 8.8 |
| 0.5m | 8.8 | | 7.5 | | | 9.6 | | 8.4 | | 8.7 |
| 1m | 8.8 | | 7.5 | | | 9.5 | | 8.4 | | 8.7 |
| 2m | 8.7 | | 7.5 | | | 9.5 | | 8.3 | | 8.6 |
| 3m | | | 7.4 | | | 9.2 | | 8.2 | | 8.5 |
| 4m | | | | | | | | 8.1 | | |
| 5m | | | | | | | | 8.1 | | |
| 6m | | | | | | | | | | |
| bot. | 8.5 | | 7.2 | | | 8.7 | | 7.6 | | 8.4 |
| L.I. air | | | 3,223.0 | | | 717.0 | | 609.0 | | 400.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 2,940.0 | | | 593.0 | | 565.0 | | 400.0 |
| 0.25m | | | 857.0 | | | 70.0 | | 180.0 | | 200.0 |
| 0.5m | | | 225.0 | | | 30.0 | | 70.0 | | 71.0 |
| 0.75m | | | 105.0 | | | 10.0 | | 40.0 | | 36.0 |
| 1m | | | 29.0 | | | 1.0 | | 25.0 | | 20.0 |
| 1.5m | | | 4.5 | | | 0.2 | | 7.0 | | 4.1 |
| 2m | | | 0.8 | | | 0.0 | | 2.4 | | 1.2 |
| 3m | | | 0.1 | | | | | 0.4 | | 0.4 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | 8.5 | | 7.2 | | | 8.7 | | 7.6 | | 8.4 |
| pH 0m | 8.75 | | 9.32 | | | 9.60 | | 9.50 | | 9.23 |
| 0.5m | 8.76 | | 9.28 | | | 9.59 | | 9.47 | | 9.23 |
| 1m | 8.76 | | 9.29 | | | 9.59 | | 9.49 | | 9.25 |
| 2m | 8.75 | | 9.25 | | | 9.58 | | 9.49 | | 9.25 |
| 3m | | | 9.23 | | | 9.49 | | 9.48 | | 9.25 |
| 4m | | | | | | | | 9.48 | | |
| 5m | | | | | | | | 9.49 | | |
| 6m | | | | | | | | | | |
| bot. | 7.46 | | 7.52 | | | 7.81 | | 7.56 | | 8.06 |
| PO ₄ -P ug/l | 7 | 12 | 21 | 19 | 17 | 3 | 1 | 1 | 0 | 0 |
| DTP ug/l | 25 | 31 | 36 | 36 | 33 | 16 | 12 | 13 | 13 | 12 |
| T.P. ug/l | 130 | 142 | 136 | 146 | 146 | 143 | 111 | 113 | 101 | 100 |
| NH ₄ -N ug/l | 7 | 43 | 342 | 10 | 367 | 16 | 13 | 11 | 12 | 15 |
| NO ₂ -N ug/l | 39 | 18 | 11 | 1 | 37 | 9 | 1 ND | | 0 | 0 |
| NO ₃ -N ug/l | 921 | 205 | 88 | 2 | 1,072 | 133 | 2 | 1 | 1 | 3 |
| TN ug/l | 2,057 | 1,573 | 1,729 | 1,430 | 2,524 | 1,445 | 1,288 | 1,260 | 1,232 | 1,146 |
| D-COD mg/l | 4.0 | 4.1 | 4.0 | | | 3.1 | | 3.7 | | 3.7 |
| T-COD mg/l | 5.7 | 6.7 | 5.9 | | | 6.1 | | 5.8 | | 6.0 |
| Chl-a ug/l | 63 | 82 | 58 | 95 | 77 | 105 | 80 | 65 | 57 | 52 |
| Phyco.ug/l | 112 | 465 | 502 | 434 | 199 | 277 | 315 | 162 | 127 | 84 |
| SSdw mg/l | 32.5 | 31.3 | 27.8 | 20.1 | 33.8 | 45.0 | 34.0 | 20.6 | 21.7 | 25.1 |
| DOC mg/l | 4.1 | 4.6 | 4.9 | | | 3.8 | | 4.2 | | 4.5 |
| POC mg/l | 4.36 | 5.33 | 5.04 | 4.84 | 3.95 | 5.54 | 4.57 | 5.11 | 4.63 | 5.18 |
| PON ug/l | 734 | 975 | 992 | 936 | 763 | 1,056 | 907 | 832 | 799 | 738 |
| C/N | 5.94 | 5.46 | 5.09 | 5.17 | 5.18 | 5.24 | 5.04 | 6.15 | 5.79 | 7.01 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.15 | | | 0.08 | | 0.30 | | 0.14 |

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| | St.1 11:40 | St.2 12:10 | St.3 12:20 | St.4 12:40 | St.6 13:00 | St.7 13:15 | St.8 13:30 | St.9 11:00 | St.11 10:50 | St.12 10:25 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.5 | | 3.9 | | | 3.1 | | 6.0 | | 4.0 |
| Transp(cm) | 75 | 80 | 80 | 85 | 75 | 70 | 70 | 90 | 90 | 95 |
| E.C(us/cm) | 180 | 202 | 238 | 261 | 251 | 267 | 287 | 328 | 332 | 343 |
| W.Temp. 0m | 25.1 | | 24.6 | | | 25.0 | | 23.8 | | 23.9 |
| 0.5m | 25.2 | | 24.6 | | | 25.0 | | 23.6 | | 23.8 |
| 1m | 25.2 | | 24.6 | | | 25.0 | | 23.6 | | 23.8 |
| 2m | 25.2 | | 24.4 | | | 25.0 | | 23.6 | | 23.8 |
| 3m | | | 23.8 | | | 23.4 | | 23.5 | | 23.6 |
| 4m | | | | | | | | 23.4 | | |
| 5m | | | | | | | | 22.7 | | |
| 6m | | | | | | | | | | |
| bot. | 25.2 | | 22.8 | | | 23.3 | | 22.5 | | 22.0 |
| DO(mg/l) 0m | 9.9 | | 9.9 | | | 10.6 | | 8.8 | | 10.3 |
| 0.5m | 10.0 | | 10.0 | | | 10.7 | | 8.9 | | 10.4 |
| 1m | 10.0 | | 10.0 | | | 10.6 | | 8.9 | | 10.3 |
| 2m | 9.7 | | 9.3 | | | 10.4 | | 8.7 | | 9.7 |
| 3m | | | 7.6 | | | 3.2 | | 8.1 | | 8.6 |
| 4m | | | | | | | | 7.5 | | |
| 5m | | | | | | | | 4.1 | | |
| 6m | | | | | | | | | | |
| bot. | 9.6 | | 1.9 | | | 3.0 | | 3.2 | | 3.3 |
| L.I. air | | | 744.5 | | | 507.6 | | 333.3 | | 189.2 |
| (uE/m ² /s) 0m | | | 769.5 | | | 567.5 | | 243.0 | | 180.1 |
| 0.25m | | | 243.5 | | | 177.1 | | 92.2 | | 78.3 |
| 0.5m | | | 116.8 | | | 78.5 | | 52.9 | | 49.2 |
| 0.75m | | | 57.9 | | | 34.9 | | 28.9 | | 29.6 |
| 1m | | | 29.5 | | | 14.5 | | 16.8 | | 19.6 |
| 1.5m | | | 6.8 | | | 4.5 | | 6.1 | | 6.1 |
| 2m | | | 2.0 | | | 1.0 | | 2.9 | | 2.3 |
| 3m | | | 0.3 | | | 0.0 | | 0.4 | | 0.4 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | 9.95 | | 8.1 | | | 8.29 | | 8.11 | | 8.05 |
| PO ₄ -P ug/l | 5 | 3 | 2 | 2 | 7 | 2 | 1 | 0 | 1 | 0 |
| DTP ug/l | 24 | 24 | 21 | 21 | 24 | 18 | 16 | 15 | 16 | 15 |
| T.P. ug/l | 121 | 110 | 114 | 113 | 120 | 99 | 84 | 80 | 76 | 80 |
| NH ₄ -N ug/l | 54 | 91 | 103 | 79 | 216 | 19 | 43 | 21 | 25 | 28 |
| NO ₂ -N ug/l | 41 | 26 | 15 | 12 | 48 | 21 | 13 | 1 | 6 | 1 |
| NO ₃ -N ug/l | 1663 | 764 | 286 | 217 | 1,349 | 285 | 134 | 2 | 8 | 1 |
| TN ug/l | 2,732 | 1,964 | 1,490 | 1,466 | 2,567 | 1,381 | 1,148 | 1,052 | 1,066 | 1,083 |
| D-COD mg/l | 3.0 | 3.5 | 3.7 | | | 3.6 | | 3.7 | | 3.9 |
| T-COD mg/l | 6.1 | 7.2 | 7.5 | 7.2 | 6.8 | 6.5 | 7.0 | 7.1 | 6.4 | 6.4 |
| Chl-a ug/l | 53 | 87 | 84 | 84 | 108 | 83 | 76 | 74 | 75 | 72 |
| Phyco. ug/l | 95 | 169 | 221 | 231 | 59 | 114 | 146 | 139 | 115 | 87 |
| SSdw mg/l | 22.9 | 19.6 | 19.3 | 17.1 | 22.4 | 22.2 | 19.9 | 16.7 | 14.8 | 17.1 |
| DOC mg/l | 3.1 | 3.8 | 3.9 | | | 3.7 | | 4.1 | | 4.1 |
| POC mg/l | 3.70 | 4.82 | 5.05 | 4.46 | 3.86 | 3.70 | 3.47 | 4.17 | 4.32 | 4.42 |
| PON ug/l | 609 | 877 | 702 | 849 | 738 | 659 | 638 | 698 | 698 | 833 |
| C/N | 6.08 | 5.49 | 7.20 | 5.25 | 5.23 | 5.61 | 5.44 | 5.98 | 6.19 | 5.31 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.63 | | | 0.32 | | 0.71 | | 0.69 |

1995/08/09

| | St.1 11:30 | St.2 12:00 | St.3 12:10 | St.4 12:30 | St.6 13:30 | St.7 13:05 | St.8 12:50 | St.9 10:40 | St.11 10:30 | St.12 10:05 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.4 | | 3.6 | | | 2.7 | | 5.5 | | 3.4 |
| Transp(cm) | 45 | 55 | 55 | 65 | 55 | 45 | 65 | 80 | 75 | 80 |
| E.C(us/cm) | 230 | 250 | 262 | 286 | 303 | 290 | 292 | 308 | 327 | 406 |
| W.Temp. 0m | 30.9 | | 30.6 | | | 32.1 | | 30.3 | | 29.9 |
| 0.5m | 30.9 | | 30.5 | | | 31.7 | | 30.0 | | 29.9 |
| 1m | 30.7 | | 29.7 | | | 31.4 | | 29.5 | | 29.4 |
| 2m | 29.8 | | 29.5 | | | 30.6 | | 29.1 | | 28.6 |
| 3m | | | 29.1 | | | 30.2 | | 28.9 | | 28.4 |
| 4m | | | 28.9 | | | | | 28.8 | | |
| 5m | | | | | | | | 28.8 | | |
| 6m | | | | | | | | 28.7 | | |
| bot. | 2.4 | | 3.6 | | | 2.7 | | 5.5 | | 3.4 |
| DO(mg/l) 0m | 10.4 | | 12.5 | | | 12.8 | | 10.8 | | 10.7 |
| 0.5m | 10.5 | | 12.3 | | | 12.4 | | 10.4 | | 10.9 |
| 1m | 9.7 | | 10.0 | | | 10.9 | | 9.8 | | 11.0 |
| 2m | 7.2 | | 7.2 | | | 8.4 | | 6.4 | | 8.8 |
| 3m | | | 4.6 | | | 6.4 | | 5.6 | | 7.6 |
| 4m | | | 2.4 | | | | | 5.1 | | |
| 5m | | | | | | | | 4.4 | | |
| 6m | | | | | | | | 4.0 | | |
| bot. | | | | | | | | | | |
| L.I. air | | | 1,750.0 | | | 2,140.0 | | 2,270.0 | | 1,960.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 1,290.0 | | | 1,185.0 | | 1,550.0 | | 1,320.0 |
| 0.25m | | | 630.0 | | | 460.0 | | 810.0 | | 750.0 |
| 0.5m | | | 240.0 | | | 150.0 | | 395.0 | | 420.0 |
| 0.75m | | | 95.0 | | | 57.0 | | 225.0 | | 230.0 |
| 1m | | | 38.0 | | | 19.0 | | 130.0 | | 120.0 |
| 1.5m | | | 7.5 | | | 2.2 | | 42.0 | | 36.0 |
| 2m | | | | | | | | 15.0 | | 9.5 |
| 3m | | | | | | | | | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.36 | | 9.37 | | | 9.27 | | 9.17 | | 8.71 |
| 0.5m | 9.35 | | 9.35 | | | 9.25 | | 9.09 | | 9.02 |
| 1m | 9.36 | | 9.24 | | | 9.19 | | 8.99 | | 9.00 |
| 2m | 9.04 | | 8.90 | | | 8.92 | | 8.51 | | 8.68 |
| 3m | | | 8.45 | | | 8.53 | | 8.27 | | 8.48 |
| 4m | | | 8.16 | | | | | 8.11 | | |
| 5m | | | | | | | | 7.93 | | |
| 6m | | | | | | | | 7.68 | | |
| bot. | | | | | | | | | | |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 124 | 135 | 118 | 65 | 6 | 12 | 10 | 4 | 2 | 2 |
| DTP $\mu\text{g}/\text{l}$ | 135 | 142 | 133 | 85 | 33 | 33 | 28 | 23 | 21 | 15 |
| T.P. $\mu\text{g}/\text{l}$ | 265 | 252 | 200 | 142 | 142 | 132 | 103 | 101 | 97 | 92 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 12 | 10 | 12 | 13 | 38 | 14 | 16 | 14 | 14 | 19 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 0 | 0 | 0 | 0 | 17 | 1 | 0 | 0 | 0 | 0 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 3 | 2 | 3 | 1 | 341 | 16 | 7 | 1 | 2 | 3 |
| TN $\mu\text{g}/\text{l}$ | 1,590 | 1,347 | 1,271 | 1,194 | 2,109 | 1,140 | 888 | 977 | 1,002 | 964 |
| D-COD mg/l | 5.2 | 4.9 | 4.3 | | | 4.1 | | 3.9 | | 4.5 |
| T-COD mg/l | 12.0 | 10.8 | 8.4 | 7.8 | 8.4 | 8.2 | 6.2 | 6.6 | 6.6 | 6.4 |
| Chl-a $\mu\text{g}/\text{l}$ | 98 | 84 | 97 | 97 | 146 | 86 | 70 | 70 | 58 | 51 |
| Phyco. $\mu\text{g}/\text{l}$ | 141 | 121 | 129 | 154 | 250 | 137 | 123 | 93 | 116 | 97 |
| SSdw mg/l | 36.6 | 26.7 | 26.6 | 20.7 | 27.9 | 37.5 | 22.4 | 17.7 | 15.5 | 17.9 |
| DOC mg/l | 5.2 | 5.0 | 4.4 | | | 4.3 | | 4.3 | | 4.6 |
| POC mg/l | 9.51 | 7.72 | 6.96 | 6.38 | 6.83 | 5.50 | 4.36 | 5.50 | 4.65 | 4.81 |
| PON $\mu\text{g}/\text{l}$ | 1,336 | 1,070 | 1,006 | 950 | 1196 | 844 | 655 | 758 | 671 | 644 |
| C/N | 7.12 | 7.22 | 6.92 | 6.72 | 5.71 | 6.52 | 6.65 | 7.26 | 6.92 | 7.47 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 1.80 | | | 1.13 | | 1.62 | | 0.82 |

1995/09/06

| | St.1 11:26 | St.2 | St.3 11:54 | St.4 12:45 | St.6 13:39 | St.7 13:17 | St.8 13:05 | St.9 10:40 | St.11 | St.12 10:03 |
|---------------------------|---------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|-------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 40 | 55 | 65 | 75 | 40 | 40 | 50 | 80 | 70 | 80 |
| E.C(us/cm) | 245 | 273 | 292 | 322 | 308 | 308 | 308 | 327 | 346 | 383 |
| W.Temp. 0m | 25.7 | | 25.8 | | | 25.5 | | 26.0 | | 25.7 |
| 0.5m | 25.7 | | 26.1 | | | 25.5 | | 26.0 | | 25.7 |
| 1m | 25.7 | | 26.1 | | | 25.5 | | 26.0 | | 25.7 |
| 2m | 25.4 | | 26.1 | | | 25.5 | | 26.0 | | 25.7 |
| 3m | | | 26.1 | | | | | 26.0 | | 25.6 |
| 4m | | | | | | | | 26.0 | | 25.4 |
| 5m | | | | | | | | 26.0 | | |
| 6m | | | | | | | | | | |
| bot. | 25.4 | | 26.0 | | | 25.4 | | 25.9 | | 25.4 |
| DO(mg/l) 0m | 10.6 | | 7.0 | | | 6.9 | | 8.4 | | 8.8 |
| 0.5m | 10.5 | | 6.7 | | | 6.8 | | 8.4 | | 8.7 |
| 1m | 10.3 | | 6.7 | | | 6.8 | | 8.5 | | 8.7 |
| 2m | 9.7 | | 6.6 | | | 6.8 | | 8.5 | | 8.5 |
| 3m | | | 6.5 | | | | | 8.4 | | 8.4 |
| 4m | | | | | | | | 8.3 | | 7.6 |
| 5m | | | | | | | | 7.9 | | |
| 6m | | | | | | | | | | |
| bot. | 0.2 | | 0.2 | | | 0.4 | | 0.2 | | 6.6 |
| L.l. air | | | 2,387.0 | | | 1,627.0 | | 885.2 | | 810.3 |
| (uE/m ² /s) 0m | | | 1,998.0 | | | 1,407.0 | | 718.7 | | 573.2 |
| 0.25m | | | 705.2 | | | 244.0 | | 189.2 | | 150.2 |
| 0.5m | | | 290.7 | | | 37.0 | | 86.3 | | 83.8 |
| 0.75m | | | 127.5 | | | 12.5 | | 67.5 | | 35.1 |
| 1m | | | 49.5 | | | 3.3 | | 23.6 | | 17.9 |
| 1.5m | | | 7.9 | | | 0.2 | | 6.2 | | 6.2 |
| 2m | | | 1.6 | | | | | 2.1 | | 1.2 |
| 3m | | | | | | | | | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| 6m | | | | | | | | | | |
| bot. | 0.2 | | 0.2 | | | 0.4 | | 0.2 | | 6.6 |
| pH 0m | 8.80 | | 7.90 | | | 7.90 | | 8.53 | | 8.64 |
| 0.5m | 8.89 | | 8.04 | | | 7.87 | | 8.54 | | 8.65 |
| 1m | 8.88 | | 8.01 | | | 7.86 | | 8.56 | | 8.64 |
| 2m | 8.75 | | 7.98 | | | 7.87 | | 8.55 | | 8.64 |
| 3m | | | 7.94 | | | | | 8.51 | | 8.70 |
| 4m | | | | | | | | 8.52 | | 8.68 |
| 5m | | | | | | | | 8.37 | | |
| 6m | | | | | | | | | | |
| bot. | 7.28 | | 7.07 | | | 7.08 | | 7.08 | | 7.72 |
| PO ₄ -P ug/l | 90 | 116 | 109 | 32 | 28 | 29 | 24 | 11 | 4 | 3 |
| DTP ug/l | 114 | 140 | 131 | 53 | 50 | 45 | 41 | 33 | 23 | 21 |
| T.P. ug/l | 247 | 240 | 180 | 127 | 153 | 132 | 119 | 119 | 120 | 103 |
| NH ₄ -N ug/l | 28 | 247 | 382 | 59 | 23 | 171 | 182 | 17 | 29 | 22 |
| NO ₂ -N ug/l | 2 | 8 | 13 | 2 | 17 | 29 | 37 | 1 | 0 | 0 |
| NO ₃ -N ug/l | 33 | 31 | 24 | 9 | 18 | 84 | 39 | 1 | 3 | 1 |
| TN ug/l | 1,965 | 1,773 | 1,554 | 1,272 | 1,773 | 1,105 | 1,066 | 1,150 | 1,285 | 1,054 |
| D-COD mg/l | 5.9 | 5.8 | 5.6 | | | 4.7 | | 4.6 | | 5.1 |
| T-COD mg/l | 13.0 | 10.2 | 8.5 | 8.6 | 9.8 | 7.9 | 7.5 | 8.6 | 9.3 | 8.4 |
| Chl-a ug/l | 144 | 109 | 73 | 109 | 114 | 47 | 49 | 92 | 101 | 71 |
| Phyco.ug/l | 286 | 220 | 157 | 208 | 187 | 31 | 54 | 168 | 178 | 91 |
| SSdw mg/l | 45.7 | 38.0 | 30.9 | 30.3 | 50.1 | 55.5 | 35.9 | 29.1 | 31.8 | 31.9 |
| DOC mg/l | 5.5 | 5.4 | 5.2 | | | 4.1 | | 4.7 | | 4.7 |
| POC mg/l | 10.30 | 6.76 | 4.50 | 5.30 | 6.28 | 3.44 | 2.99 | 5.38 | 5.74 | 5.04 |
| PON ug/l | 1,629 | 1,196 | 775 | 902 | 1200 | 540 | 512 | 755 | 822 | 667 |
| C/N | 6.32 | 5.65 | 5.81 | 5.88 | 5.24 | 6.37 | 5.84 | 7.12 | 6.99 | 7.56 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.98 | | | 0.41 | | 1.65 | | 0.89 |

1995/10/04

| Time | St.1 11:25 | St.2 11:50 | St.3 12:00 | St.4 12:25 | St.6 13:15 | St.7 13:00 | St.8 12:45 | St.9 10:40 | St.11 10:30 | St.12 10:05 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 65 | 55 | 60 | 70 | 55 | 50 | 60 | 80 | 90 | 85 |
| E.C(us/cm) | 190 | 213 | 262 | 282 | 272 | 268 | 293 | 317 | 325 | 334 |
| W.Temp. 0m | 22.5 | | 22.0 | | | 22.2 | | 22.2 | | 22.0 |
| 0.5m | 22.3 | | 21.9 | | | 22.2 | | 22.0 | | 21.9 |
| 1m | 22.0 | | 21.9 | | | 22.0 | | 21.8 | | 22.0 |
| 2m | 21.7 | | 21.7 | | | 21.6 | | 21.6 | | 21.6 |
| 3m | | | 21.6 | | | 21.5 | | 21.5 | | 21.5 |
| 4m | | | | | | | | 21.5 | | |
| 5m | | | | | | | | 21.5 | | |
| 6m | | | | | | | | | | |
| bot. | 21.6 | | 21.6 | | | | | 21.5 | | 21.5 |
| DO(mg/l) 0m | 12.1 | | 10.5 | | | 9.4 | | 10.6 | | 10.3 |
| 0.5m | 10.8 | | 10.1 | | | 9.5 | | 10.9 | | 10.3 |
| 1m | 10.5 | | 9.7 | | | 8.8 | | 10.4 | | 10.1 |
| 2m | 9.0 | | 8.2 | | | 7.4 | | 8.8 | | 9.4 |
| 3m | | | 7.6 | | | 6.8 | | 8.2 | | 8.4 |
| 4m | | | | | | | | 7.9 | | |
| 5m | | | | | | | | 7.8 | | |
| 6m | | | | | | | | | | |
| bot. | 8.8 | | 6.6 | | | | | 7.7 | | 8.1 |
| L.I. air | 350.2 | | 471.3 | | | | | 770.5 | | 416.0 |
| (uE/m ² /s) 0m | 260.7 | | 364.5 | | | | | 557.8 | | 319.0 |
| 0.25m | 77.5 | | 112.9 | | | | | 299.3 | | 191.0 |
| 0.5m | 28.0 | | 47.1 | | | | | 172.2 | | 103.6 |
| 0.75m | 12.8 | | 24.4 | | | | | 76.6 | | 54.3 |
| 1m | 6.0 | | 13.5 | | | | | 46.1 | | 29.2 |
| 1.5m | 1.3 | | 3.9 | | | | | 20.4 | | 8.7 |
| 2m | 0.3 | | 1.1 | | | | | 6.7 | | 3.1 |
| 3m | | | 0.7 | | | | | 1.3 | | 0.4 |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 8.50 | | 8.39 | | | 8.23 | | 8.48 | | 8.62 |
| 0.5m | 8.50 | | 8.62 | | | 8.31 | | 8.85 | | 8.79 |
| 1m | 8.39 | | 8.59 | | | 8.07 | | 8.73 | | 8.77 |
| 2m | 7.97 | | 8.18 | | | 7.53 | | 8.41 | | 8.72 |
| 3m | | | 8.02 | | | 7.42 | | 8.23 | | 8.37 |
| 4m | | | | | | | | 8.14 | | |
| 5m | | | | | | | | 8.08 | | |
| 6m | | | | | | | | | | |
| bot. | 7.72 | | 7.7 | | | | | 8.04 | | 8.24 |
| PO ₄ -P ug/l | 6 | 7 | 2 | 2 | 21 | 8 | 4 | 2 | 2 | 1 |
| DTP ug/l | 28 | 27 | 23 | 23 | 37 | 23 | 20 | 18 | 18 | 17 |
| T.P. ug/l | 134 | 129 | 104 | 99 | 110 | 102 | 90 | 82 | 75 | 79 |
| NH ₄ -N ug/l | 36 | 69 | 53 | 166 | 122 | 19 | 22 | 30 | 22 | 21 |
| NO ₂ -N ug/l | 53 | 47 | 41 | 39 | 98 | 118 | 61 | 29 | 20 | 0 |
| NO ₃ -N ug/l | 1553 | 1109 | 352 | 300 | 1,752 | 782 | 189 | 44 | 34 | 9 |
| TN ug/l | 2,546 | 2,230 | 1,413 | 1,326 | 2,373 | 1,513 | 1,168 | 967 | 1,024 | 909 |
| D-COD mg/l | 3.1 | 3.6 | 4.7 | | | 3.9 | | 4.8 | | 4.8 |
| T-COD mg/l | 3.2 | 3.9 | 4.9 | 4.6 | 3.5 | 3.9 | 2.5 | 5.9 | 4.1 | 4.3 |
| Chl-a ug/l | 95 | 111 | 89 | 79 | 43 | 45 | 75 | 74 | 72 | 57 |
| Phyco.ug/l | 63 | 154 | 141 | 133 | 6 | 14 | 63 | 132 | 109 | 103 |
| SS _{dw} mg/l | 23.9 | 23.0 | 22.0 | 17.1 | 22.1 | 35.9 | 22.1 | 14.7 | 13.4 | 17.1 |
| DOC mg/l | 2.8 | 3.6 | 4.4 | | | 3.2 | | 4.3 | | 4.3 |
| POC mg/l | 4.37 | 5.06 | 4.43 | 3.65 | 2.20 | 2.76 | 3.68 | 3.69 | 3.87 | 3.80 |
| PON ug/l | 751 | 922 | 807 | 697 | 385 | 459 | 626 | 648 | 663 | 585 |
| C/N | 5.82 | 5.49 | 5.49 | 5.23 | 5.72 | 6.02 | 5.88 | 5.70 | 5.84 | 6.49 |
| Het.B /ml | | | | | | | | | | |
| GP (gC/m ² /d) | | | 0.93 | | | 0.22 | | 0.82 | | 0.73 |

1995/11/08

| | St.1 11:40 | St.2 12:05 | St.3 12:15 | St.4 12:45 | St.6 13:40 | St.7 13:20 | St.8 13:05 | St.9 10:45 | St.11 10:35 | St.12 10:05 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.5 | | 3.9 | | | 3.0 | | 5.9 | | 4.1 |
| Transp(cm) | 30 | 40 | 55 | 65 | 60 | 45 | 80 | 80 | 85 | 40 |
| E.C(us/cm) | 216 | 233 | 272 | 307 | 325 | 302 | 302 | 345 | 343 | 380 |
| W.Temp. 0m | 14.6 | | 15.2 | | | 14.9 | | 15.2 | | 15.2 |
| 0.5m | 14.6 | | 15.2 | | | 14.9 | | 15.2 | | 15.2 |
| 1m | 14.6 | | 15.2 | | | 14.9 | | 15.2 | | 15.2 |
| 2m | 14.6 | | 15.2 | | | 14.9 | | 15.2 | | 15.2 |
| 3m | | | 15.2 | | | 14.9 | | 15.2 | | 14.8 |
| 4m | | | 15.2 | | | | | 15.2 | | 14.8 |
| 5m | | | | | | | | 15.2 | | |
| 6m | | | | | | | | 15.2 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 11.9 | | 11.3 | | | 10.7 | | 10.0 | | 10.9 |
| 0.5m | 11.9 | | 11.3 | | | 10.7 | | 10.0 | | 10.8 |
| 1m | 11.9 | | 11.3 | | | 10.7 | | 9.9 | | 10.8 |
| 2m | 11.8 | | 11.2 | | | 10.7 | | 9.9 | | 10.7 |
| 3m | | | 11.2 | | | 10.6 | | 9.9 | | 9.9 |
| 4m | | | 11.2 | | | | | 9.9 | | 9.9 |
| 5m | | | | | | | | 9.9 | | |
| 6m | | | | | | | | 9.9 | | |
| bot. | | | | | | | | | | |
| L.I. air | | | 2,100.0 | | | 540.0 | | 2,000.0 | | 1,600.0 |
| (uE/m ² /s) 0m | | | 920.0 | | | 240.0 | | 400.0 | | 300.0 |
| 0.25m | | | 320.0 | | | 58.0 | | 70.0 | | 270.0 |
| 0.5m | | | 120.0 | | | 17.0 | | 27.0 | | 80.0 |
| 0.75m | | | 50.0 | | | 4.8 | | 10.0 | | 27.0 |
| 1m | | | 19.0 | | | 1.2 | | 4.4 | | 22.0 |
| 1.5m | | | 4.5 | | | 0.1 | | 2.5 | | 6.0 |
| 2m | | | 0.8 | | | | | 0.4 | | 0.9 |
| 3m | | | | | | | | | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.02 | | 9.05 | | | 8.46 | | 8.25 | | 8.73 |
| 0.5m | 9.03 | | 9.06 | | | 8.47 | | 8.26 | | 8.75 |
| 1m | 9.02 | | 9.07 | | | 8.48 | | 8.27 | | 8.71 |
| 2m | 9.04 | | 9.07 | | | 8.49 | | 8.26 | | 8.70 |
| 3m | | | 9.08 | | | 8.49 | | 8.26 | | 8.52 |
| 4m | | | 9.07 | | | | | 8.26 | | 8.47 |
| 5m | | | | | | | | 8.26 | | |
| 6m | | | | | | | | 8.26 | | |
| bot. | | | | | | | | | | |
| PO ₄ -P ug/l | 7 | 6 | 2 | 2 | 7 | 4 | 1 | 1 | 1 | 2 |
| DTP ug/l | 21 | 20 | 17 | 17 | 20 | 16 | 12 | 15 | 15 | 14 |
| T.P. ug/l | 255 | 196 | 125 | 127 | 111 | 104 | 76 | 88 | 76 | 83 |
| NH ₄ -N ug/l | 24 | 97 | 10 | 66 | 55 | 5 | 10 | 28 | 144 | 24 |
| NO ₂ -N ug/l | 41 | 35 | 31 | 38 | 44 | 31 | 21 | 24 | 49 | 1 |
| NO ₃ -N ug/l | 836 | 501 | 122 | 135 | 1,598 | 521 | 160 | 42 | 42 | 7 |
| TN ug/l | 2,599 | 2,125 | 1,548 | 1,587 | 2,652 | 1,479 | 1,127 | 1,270 | 1,231 | 1,127 |
| D-COD mg/l | 3.3 | 3.7 | 3.9 | | | 3.9 | | 4.1 | | 4.3 |
| T-COD mg/l | 4.4 | 4.7 | 5.1 | 4.8 | 4.5 | 5.1 | 4.5 | 3.9 | 3.9 | 3.9 |
| Chl-a ug/l | 139 | 121 | 93 | 90 | 67 | 57 | 64 | 68 | 57 | 57 |
| Phyco. ug/l | 89 | 177 | 245 | 222 | 35 | 63 | 124 | 139 | 123 | 119 |
| SS _{dw} mg/l | 64.2 | 40.7 | 25.7 | 26.9 | 30.7 | 48.7 | 20.5 | 18.3 | 16.4 | 23.7 |
| DOC mg/l | 2.9 | 3.3 | 3.9 | | | 3.3 | | 4.1 | | 4.2 |
| POC mg/l | 8.70 | 7.04 | 5.22 | 4.85 | 3.23 | 3.96 | 3.42 | 3.92 | 3.26 | 4.17 |
| PON ug/l | 1,430 | 1,257 | 1,039 | 958 | 577 | 653 | 621 | 760 | 604 | 682 |
| C/N | 6.08 | 5.60 | 5.02 | 5.06 | 5.59 | 6.07 | 5.51 | 5.16 | 5.40 | 6.11 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 1.06 | | | 0.43 | | 0.39 | | 0.23 |

1995/12/06

| | St.1 11:40 | St.2 12:10 | St.3 12:30 | St.4 13:20 | St.6 14:30 | St.7 13:55 | St.8 13:40 | St.9 10:50 | St.11 10:40 | St.12 10:10 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | | | | | | | | | | |
| Transp(cm) | 55 | 50 | 60 | 70 | 50 | 50 | 75 | 95 | 90 | 90 |
| E.C(us/cm) | 228 | 258 | 290 | 316 | 333 | 316 | 316 | 334 | 332 | 398 |
| W.Temp. 0m | 6.9 | | 8.2 | | | 7.7 | | 8.4 | | 7.9 |
| 0.5m | 6.9 | | 8.1 | | | 7.7 | | 8.3 | | 7.9 |
| 1m | 6.9 | | 8.1 | | | 7.7 | | 8.3 | | 7.9 |
| 2m | 6.9 | | 8.1 | | | 7.7 | | 8.3 | | 7.9 |
| 3m | | | 8.1 | | | 7.7 | | 8.3 | | 7.9 |
| 4m | | | | | | | | 8.3 | | |
| 5m | | | | | | | | 8.3 | | |
| 6m | | | | | | | | | | |
| bot. | 6.9 | | 8.1 | | | 7.7 | | 8.4 | | 7.9 |
| DO(mg/l) 0m | 14.2 | | 12.3 | | | 12.1 | | 11.9 | | 11.6 |
| 0.5m | 14.2 | | 12.5 | | | 12.1 | | 12.0 | | 11.6 |
| 1m | 14.2 | | 12.5 | | | 12.1 | | 12.0 | | 11.6 |
| 2m | 14.2 | | 12.5 | | | 12.1 | | 12.0 | | 11.7 |
| 3m | | | 12.5 | | | 12.1 | | 12.0 | | 11.7 |
| 4m | | | | | | | | 12.0 | | |
| 5m | | | | | | | | 12.0 | | |
| 6m | | | | | | | | | | |
| bot. | 14.2 | | 12.4 | | | 3.2 | | 10.0 | | 11.7 |
| L.I. air | | | 1,440.0 | | | 934.0 | | 1,516.0 | | 1,294.0 |
| (uE/m ² /s) 0m | | | 1,200.0 | | | 649.0 | | 1,068.0 | | 870.0 |
| 0.25m | | | 652.0 | | | 427.0 | | 78.0 | | 100.0 |
| 0.5m | | | 170.0 | | | 77.0 | | 29.0 | | 32.0 |
| 0.75m | | | 80.0 | | | 18.0 | | 10.0 | | 23.0 |
| 1m | | | 40.0 | | | 4.7 | | 5.0 | | 13.0 |
| 1.5m | | | 4.3 | | | 0.5 | | 1.8 | | 3.5 |
| 2m | | | 1.8 | | | | | 0.8 | | 1.2 |
| 3m | | | | | | | | | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.24 | | 9.01 | | | 8.28 | | 8.58 | | 8.51 |
| 0.5m | 9.22 | | 9.12 | | | 8.26 | | 8.61 | | 8.52 |
| 1m | 9.22 | | 9.12 | | | 8.26 | | 8.64 | | 8.52 |
| 2m | 9.22 | | 9.12 | | | 8.25 | | 8.63 | | 8.53 |
| 3m | | | 9.12 | | | 8.24 | | 8.63 | | 8.55 |
| 4m | | | | | | | | 8.64 | | |
| 5m | | | | | | | | 8.64 | | |
| 6m | | | | | | | | | | |
| bot. | 8.22 | | 7.45 | | | 7.2 | | 7.08 | | 7.34 |
| PO ₄ -P ug/l | 7 | 5 | 1 | 1 | 18 | 5 | 1 | 1 | 1 | 2 |
| DTP ug/l | 26 | 24 | 16 | 16 | 31 | 20 | 15 | 14 | 15 | 15 |
| T.P. ug/l | 139 | 139 | 127 | 121 | 125 | 100 | 87 | 85 | 75 | 87 |
| NH ₄ -N ug/l | 19 | 37 | 19 | 34 | 78 | 7 | 15 | 15 | 27 | 18 |
| NO ₂ -N ug/l | 39 | 23 | 13 | 11 | 27 | 21 | 9 | 5 | 9 | 1 |
| NO ₃ -N ug/l | 1042 | 328 | 125 | 127 | 1,399 | 1037 | 126 | 12 | 34 | 3 |
| TN ug/l | 2,460 | 1,949 | 1,508 | 1,466 | 2,602 | 1,964 | 1,140 | 1,152 | 1,183 | 1,140 |
| D-COD mg/l | 3.1 | 4.1 | 3.6 | | | 4.4 | | 3.6 | | 3.9 |
| T-COD mg/l | 5.2 | 4.8 | 4.9 | 4.5 | 4.5 | 4.9 | 4.7 | 5.1 | 3.8 | 4.5 |
| Chl-a ug/l | 86 | 101 | 92 | 88 | 42 | 44 | 68 | 68 | 66 | 55 |
| Phyco.ug/l | 45 | 94 | 129 | 100 | 30 | 28 | 116 | 84 | 102 | 61 |
| SSdw mg/l | 38.2 | 28.7 | 24.4 | 20.2 | 35.1 | 39.1 | 20.3 | 14.1 | 14.5 | 17.9 |
| DOC mg/l | 2.8 | 3.6 | 4.0 | | | 3.4 | | 4.2 | | 4.2 |
| POC mg/l | 5.78 | 5.49 | 4.93 | 4.58 | 2.98 | 3.37 | 3.67 | 3.69 | 3.67 | 4.04 |
| PON ug/l | 968 | 1,087 | 968 | 915 | 524 | 554 | 728 | 746 | 715 | 704 |
| C/N | 5.97 | 5.05 | 5.09 | 5.01 | 5.68 | 6.09 | 5.04 | 4.94 | 5.13 | 5.73 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.48 | | | 0.58 | | 0.26 | | 0.28 |

1996/01/16

| | St.1 11:30 | St.2 11:55 | St.3 12:05 | St.4 12:30 | St.6 13:20 | St.7 13:00 | St.8 12:50 | St.9 10:45 | St.11 10:40 | St.12 10:25 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.6 | | 3.9 | | | 2.9 | | 5.9 | | 3.8 |
| Transp(cm) | 60 | 65 | 70 | 80 | 65 | 50 | 75 | 85 | 75 | 70 |
| E.C(us/cm) | 282 | 295 | 302 | 343 | 356 | 344 | 348 | 363 | 350 | 382 |
| W.Temp. 0m | 5.3 | | 4.8 | | | 5.4 | | 4.8 | | 5.6 |
| 0.5m | 5.2 | | 4.6 | | | 5.4 | | 4.6 | | 5.6 |
| 1m | 5.2 | | 4.6 | | | 5.4 | | 4.6 | | 5.5 |
| 2m | 5.1 | | 4.6 | | | 5.4 | | 4.6 | | 5.5 |
| 3m | | | 4.4 | | | | | 4.6 | | 5.5 |
| 4m | | | | | | | | 4.6 | | |
| 5m | | | | | | | | 4.6 | | |
| 6m | | | | | | | | 4.6 | | |
| bot. | 5.1 | | 4.3 | | | 5.4 | | 4.5 | | 5.5 |
| DO(mg/l) 0m | 15.9 | | 14.5 | | | 13.2 | | 12.6 | | 12.6 |
| 0.5m | 16.5 | | 14.8 | | | 13.4 | | 12.9 | | 12.8 |
| 1m | 16.6 | | 15.0 | | | 13.5 | | 13.1 | | 12.9 |
| 2m | 16.5 | | 15.0 | | | 13.5 | | 13.2 | | 13.0 |
| 3m | | | 14.9 | | | | | 13.1 | | 13.0 |
| 4m | | | | | | | | 12.8 | | |
| 5m | | | | | | | | 12.8 | | |
| 6m | | | | | | | | 12.8 | | |
| bot. | 16.5 | | 14.5 | | | 13.5 | | 12.8 | | 13.3 |
| L.I. air | | | 744.0 | | | 326.0 | | 773.0 | | 750.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 1,330.0 | | | 346.0 | | 1,170.0 | | 1,510.0 |
| 0.25m | | | 537.0 | | | 113.0 | | 590.0 | | 428.0 |
| 0.5m | | | 247.0 | | | 37.4 | | 208.0 | | 261.0 |
| 0.75m | | | 139.0 | | | 14.4 | | 75.7 | | 146.0 |
| 1m | | | 69.2 | | | 7.2 | | 33.4 | | 85.1 |
| 1.5m | | | 18.6 | | | 1.2 | | 12.1 | | 28.2 |
| 2m | | | 6.9 | | | 0.3 | | 13.6 | | 6.2 |
| 3m | | | 0.9 | | | | | 1.9 | | 1.2 |
| 4m | | | | | | | | 0.3 | | |
| 5m | | | | | | | | 0.3 | | |
| pH 0m | 9.09 | | 8.79 | | | 8.20 | | 7.78 | | 8.16 |
| 0.5m | 9.38 | | 9.08 | | | 8.33 | | 7.98 | | 8.33 |
| 1m | 9.42 | | 9.08 | | | 8.31 | | 8.06 | | 8.33 |
| 2m | 9.41 | | 9.07 | | | 8.30 | | 8.04 | | 8.33 |
| 3m | | | 9.04 | | | | | 8.04 | | 8.32 |
| 4m | | | | | | | | 8.02 | | |
| 5m | | | | | | | | 8.01 | | |
| 6m | | | | | | | | 8.01 | | |
| bot. | 9.39 | | 8.94 | | | 8.28 | | 7.88 | | 8.3 |
| PO ₄ -P ug/l | 3 | 3 | 2 | 1 | 6 | 4 | 2 | 1 | 2 | 2 |
| DTP ug/l | 19 | 19 | 18 | 16 | 23 | 19 | 16 | 16 | 16 | 16 |
| T.P. ug/l | 124 | 111 | 108 | 122 | 122 | 127 | 80 | 99 | 93 | 87 |
| NH ₄ -N ug/l | 12 | 16 | 17 | 21 | 81 | 20 | 49 | 97 | 72 | 49 |
| NO ₂ -N ug/l | 15 | 12 | 10 | 5 | 14 | 8 | 5 | 4 | 4 | 2 |
| NO ₃ -N ug/l | 556 | 361 | 251 | 139 | 1,095 | 381 | 99 | 68 | 55 | 31 |
| TN ug/l | 1,832 | 1,583 | 1,313 | 1,108 | 2,068 | 1,311 | 1,145 | 1,261 | 1,158 | 1,042 |
| D-COD mg/l | | 4.1 | 4.0 | | | 3.7 | | 4.0 | | 3.9 |
| T-COD mg/l | 5.3 | 4.7 | 4.7 | 5.1 | 5.1 | 5.4 | 5.6 | 5.7 | 6.0 | 5.2 |
| Chl-a ug/l | 56 | 63 | 60 | 56 | 43 | 42 | 51 | 50 | 54 | 49 |
| Phyco. ug/l | 17 | 24 | 20 | 30 | 14 | 17 | 29 | 27 | 30 | 22 |
| SSdw mg/l | 25.3 | 22.2 | 19.9 | 16.8 | 19.5 | 29.0 | 14.9 | 15.1 | 19.1 | 16.9 |
| DOC mg/l | 4.0 | 4.2 | 4.3 | | | 4.1 | | 4.2 | | 4.3 |
| POC mg/l | 4.86 | 4.60 | 4.11 | 3.99 | 2.96 | 3.52 | 3.43 | 3.54 | 4.02 | 3.66 |
| CON ug/l | 871 | 858 | 752 | 743 | 572 | 649 | 649 | 692 | 760 | 688 |
| C/N | 5.58 | 5.37 | 5.46 | 5.37 | 5.17 | 5.43 | 5.29 | 5.12 | 5.30 | 5.32 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 0.43 | | | 0.50 | | 0.82 | | 0.18 |

1996/02/07

| | St.1 11:35 | St.2 12:00 | St.3 12:10 | St.4 12:40 | St.6 13:30 | St.7 13:15 | St.8 13:00 | St.9 10:45 | St.11 10:40 | St.12 10:20 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.5 | | 3.9 | | | 2.9 | | 5.9 | | 3.9 |
| Transp(cm) | 15 | 55 | 45 | 75 | 65 | 55 | 55 | 60 | 50 | 75 |
| E.C(us/cm) | 283 | 303 | 312 | 335 | 365 | 350 | 350 | 363 | 370 | 406 |
| W.Temp. 0m | 2.7 | | 3.0 | | | 3.0 | | 2.8 | | 2.3 |
| 0.5m | 2.7 | | 3.0 | | | 2.9 | | 2.8 | | 2.3 |
| 1m | 2.7 | | 2.9 | | | 2.8 | | 2.8 | | 2.3 |
| 2m | 2.7 | | 2.9 | | | 2.8 | | 2.7 | | 2.3 |
| 3m | | | 2.9 | | | 2.8 | | 2.7 | | 2.3 |
| 4m | | | 2.9 | | | | | 2.7 | | 2.3 |
| 5m | | | | | | | | 2.7 | | |
| 6m | | | | | | | | 2.7 | | |
| bot. | | | | | | | | | | |
| DO(mg/l) 0m | 13.8 | | 13.7 | | | 13.4 | | 13.6 | | 13.8 |
| 0.5m | 13.7 | | 13.5 | | | 13.2 | | 13.4 | | 13.6 |
| 1m | 13.6 | | 13.4 | | | 13.1 | | 13.2 | | 13.5 |
| 2m | 13.5 | | 13.3 | | | 13.0 | | 13.2 | | 13.4 |
| 3m | | | 13.2 | | | 12.9 | | 13.1 | | 13.3 |
| 4m | | | 13.1 | | | | | 13.0 | | 13.3 |
| 5m | | | | | | | | 12.9 | | |
| 6m | | | | | | | | 12.9 | | |
| bot. | | | | | | | | | | |
| L.l. air | | | 1,990.0 | | | 1,840.0 | | 1,890.0 | | 1,100.0 |
| ($\mu\text{E}/\text{m}^2/\text{s}$) 0m | | | 1,100.0 | | | 1,060.0 | | 1,200.0 | | 780.0 |
| 0.25m | | | 280.0 | | | 450.0 | | 440.0 | | 380.0 |
| 0.5m | | | 95.0 | | | 190.0 | | 170.0 | | 170.0 |
| 0.75m | | | 31.0 | | | 85.0 | | 80.0 | | 92.0 |
| 1m | | | 8.5 | | | 36.0 | | 35.0 | | 40.0 |
| 1.5m | | | 1.0 | | | 8.2 | | 7.5 | | 12.0 |
| 2m | | | | | | 2.0 | | 1.6 | | 3.3 |
| 3m | | | | | | | | | | |
| 4m | | | | | | | | | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.06 | | 8.89 | | | 8.24 | | 8.04 | | 8.15 |
| 0.5m | 9.06 | | 8.89 | | | 8.24 | | 8.03 | | 8.15 |
| 1m | 9.06 | | 8.91 | | | 8.21 | | 8.03 | | 8.15 |
| 2m | 9.06 | | 8.91 | | | 8.20 | | 8.03 | | 8.15 |
| 3m | | | 8.90 | | | 8.16 | | 8.03 | | 8.16 |
| 4m | | | 8.90 | | | | | 8.02 | | 8.16 |
| 5m | | | | | | | | 8.02 | | |
| 6m | | | | | | | | 8.00 | | |
| bot. | | | | | | | | | | |
| PO ₄ -P $\mu\text{g}/\text{l}$ | 4 | 2 | 2 | 1 | 4 | 2 | 2 | 1 | 3 | 1 |
| DTP $\mu\text{g}/\text{l}$ | 18 | 17 | 16 | 14 | 19 | 16 | 14 | 14 | 16 | 14 |
| T.P. $\mu\text{g}/\text{l}$ | 173 | 144 | 153 | 99 | 108 | 91 | 85 | 103 | 116 | 94 |
| NH ₄ -N $\mu\text{g}/\text{l}$ | 5 | 12 | 9 | 13 | 294 | 14 | 16 | 40 | 31 | 23 |
| NO ₂ -N $\mu\text{g}/\text{l}$ | 19 | 12 | 9 | 7 | 14 | 7 | 4 | 4 | 2 | 3 |
| NO ₃ -N $\mu\text{g}/\text{l}$ | 766 | 301 | 177 | 166 | 845 | 314 | 187 | 123 | 107 | 70 |
| TN $\mu\text{g}/\text{l}$ | 2,368 | 1,732 | 1,617 | 1,256 | 2,071 | 1,426 | 1,086 | 1,129 | 1,256 | 1,001 |
| D-COD mg/l | 3.6 | 3.5 | 3.8 | | | 3.4 | | 3.6 | | 4.1 |
| T-COD mg/l | 8.3 | 8.2 | 9.5 | 6.4 | 5.7 | 6.2 | 6.2 | 6.3 | 7.5 | 6.7 |
| Chl-a $\mu\text{g}/\text{l}$ | 86 | 95 | 96 | 72 | 44 | 45 | 53 | 65 | 71 | 53 |
| Phyco. $\mu\text{g}/\text{l}$ | 28 | 44 | 47 | 40 | 9 | 17 | 23 | 22 | 26 | 15 |
| SSdw mg/l | 44.6 | 36.9 | 46.4 | 20.7 | 20.3 | 27.0 | 26.8 | 30.7 | 42.9 | 27.2 |
| DOC mg/l | 3.7 | 4.3 | 4.4 | | | 4.3 | | 4.5 | | 4.2 |
| POC mg/l | 6.54 | 6.81 | 6.77 | 5.04 | 3.16 | 3.77 | 4.06 | 4.63 | 5.42 | 4.48 |
| PON $\mu\text{g}/\text{l}$ | 1,070 | 1,139 | 1,102 | 857 | 551 | 639 | 729 | 785 | 870 | 735 |
| C/N | 6.11 | 5.98 | 6.14 | 5.87 | 5.74 | 5.89 | 5.57 | 5.89 | 6.23 | 6.10 |
| Het.B /ml | | | | | | | | | | |
| GP($\text{gC}/\text{m}^2/\text{d}$) | | | 0.58 | | | 0.55 | | 0.56 | | 0.27 |

1996/03/06

| | St.1 12:45 | St.2 13:15 | St.3 13:25 | St.4 13:55 | St.6 14:40 | St.7 14:30 | St.8 14:15 | St.9 12:00 | St.11 11:35 | St.12 11:10 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Time | | | | | | | | | | |
| Depth (m) | 2.6 | | 4.0 | | | 3.1 | | 5.9 | | 3.5 |
| Transp(cm) | 50 | 55 | 65 | 75 | 60 | 55 | 80 | 85 | 70 | 65 |
| E.C(us/cm) | 295 | 297 | 316 | 343 | 364 | 356 | 352 | 377 | 365 | 450 |
| W.Temp. 0m | 7.7 | | 7.1 | | | 7.0 | | 7.3 | | 7.5 |
| 0.5m | 7.8 | | 7.3 | | | 7.1 | | 7.1 | | 7.1 |
| 1m | 7.1 | | 6.8 | | | 7.0 | | 6.0 | | 7.2 |
| 2m | 6.4 | | 5.8 | | | 6.8 | | 5.5 | | 6.0 |
| 3m | | | 5.7 | | | 6.1 | | 5.3 | | 5.9 |
| 4m | | | 5.8 | | | | | 5.2 | | |
| 5m | | | | | | | | 5.2 | | |
| 6m | | | | | | | | | | |
| bot. | 6.1 | | | | | 6.0 | | 5.3 | | 5.8 |
| DO(mg/l) 0m | 14.4 | | 13.4 | | | 12.4 | | 12.1 | | 11.9 |
| 0.5m | 14.5 | | 13.6 | | | 12.5 | | 12.4 | | 11.9 |
| 1m | 14.0 | | 13.6 | | | 12.6 | | 12.8 | | 12.0 |
| 2m | 13.6 | | 12.9 | | | 12.4 | | 12.8 | | 11.9 |
| 3m | | | 12.8 | | | 11.4 | | 12.2 | | 11.6 |
| 4m | | | 11.8 | | | | | 11.9 | | |
| 5m | | | | | | | | 11.6 | | |
| 6m | | | | | | | | | | |
| bot. | 12.7 | | | | | 7.7 | | 11.4 | | 11.4 |
| L.l. air | | | 1,962.0 | | | 1,279.0 | | 2,133.0 | | 2,221.0 |
| (uE/m ² /s) 0m | | | 1,462.0 | | | 959.4 | | 1,743.0 | | 1,729.0 |
| 0.25m | | | 732.4 | | | 331.5 | | 847.8 | | 543.8 |
| 0.5m | | | 162.5 | | | 168.9 | | 487.2 | | 283.5 |
| 0.75m | | | 65.3 | | | 73.6 | | 290.4 | | 128.9 |
| 1m | | | 28.2 | | | 32.2 | | 167.8 | | 62.4 |
| 1.5m | | | 5.6 | | | 7.1 | | 61.2 | | 13.4 |
| 2m | | | 1.3 | | | 2.3 | | 21.8 | | 2.9 |
| 3m | | | 0.1 | | | 0.2 | | 3.1 | | 0.2 |
| 4m | | | | | | | | 0.5 | | |
| 5m | | | | | | | | | | |
| pH 0m | 9.22 | | 9.17 | | | 8.13 | | 8.01 | | 7.97 |
| 0.5m | 9.34 | | 9.20 | | | 8.19 | | 8.07 | | 8.02 |
| 1m | 9.33 | | 9.22 | | | 8.19 | | 8.19 | | 8.05 |
| 2m | 9.26 | | 9.11 | | | 8.13 | | 8.14 | | 8.06 |
| 3m | | | 9.13 | | | 7.90 | | 8.03 | | 7.98 |
| 4m | | | 8.94 | | | | | 7.94 | | |
| 5m | | | | | | | | 7.88 | | |
| 6m | | | | | | | | | | |
| bot. | 8.4 | | | | | 7.19 | | 7.61 | | 7.92 |
| PO ₄ -P ug/l | 3 | 3 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 1 |
| DTP ug/l | 18 | 17 | 16 | 14 | 18 | 18 | 12 | 15 | 14 | 14 |
| T.P. ug/l | 153 | 144 | 145 | 101 | 86 | 90 | 81 | 65 | 57 | 72 |
| NH ₄ -N ug/l | 28 | 29 | 22 | 35 | 449 | 237 | 27 | 44 | 76 | 52 |
| NO ₂ -N ug/l | 15 | 14 | 8 | 5 | 13 | 10 | 3 | 2 | 2 | 3 |
| NO ₃ -N ug/l | 253 | 254 | 55 | 123 | 812 | 580 | 152 | 125 | 156 | 134 |
| TN ug/l | 1,517 | 1,621 | 1,325 | 1,073 | 1,951 | 1,331 | 1,037 | 889 | 831 | 1,110 |
| D-COD mg/l | 5.1 | 5.0 | 4.5 | 4.5 | 4.4 | 4.3 | 4.4 | 4.3 | 4.1 | 4.3 |
| T-COD mg/l | 7.2 | 6.7 | 6.6 | 6.0 | 5.7 | 5.6 | 5.7 | 5.1 | 5.1 | 5.6 |
| Chl-a ug/l | 161 | 144 | 116 | 84 | 50 | 48 | 52 | 56 | 45 | 48 |
| Phyco.ug/l | 47 | 49 | 31 | 22 | 6 | 6 | 17 | 11 | 9 | 9 |
| SSdw mg/l | 37.8 | 37.4 | 30.7 | 22.3 | 21.5 | 23.7 | 15.6 | 17.7 | 15.6 | 30.1 |
| DOC mg/l | 3.8 | 3.7 | 4.0 | | | 3.9 | | 3.9 | | 3.9 |
| POC mg/l | 7.31 | 7.52 | 6.78 | 5.11 | 2.98 | 3.61 | 3.92 | 3.69 | 3.28 | 4.06 |
| PON ug/l | 1,199 | 1,238 | 1,135 | 860 | 534 | 630 | 647 | 602 | 531 | 652 |
| C/N | 6.10 | 6.07 | 5.97 | 5.94 | 5.59 | 5.72 | 6.06 | 6.12 | 6.18 | 6.23 |
| Het.B /ml | | | | | | | | | | |
| GP(gC/m ² /d) | | | 1.84 | | | 0.52 | | 0.70 | | 0.37 |