

## **Appendix 4-2b**

### **Annual Dissolved Oxygen Compliance Test at 56 Interior Marsh Stations**

Annual dissolved oxygen compliance tests were conducted at 56 interior marsh stations within the Everglades Protection Area for the years 1994 to 1999. A site is in compliance with the SSAC if the difference between the observe annual mean dissolved oxygen and the calculated threshold is greater than or equal to 0.

| Classification | Site | Year | Annual Mean<br>(mg O <sub>2</sub> /L) | DO <sub>AT</sub><br>(mg O <sub>2</sub> /L) | Annual Mean - DO <sub>AT</sub><br>(mg O <sub>2</sub> /L) |
|----------------|------|------|---------------------------------------|--------------------------------------------|----------------------------------------------------------|
| Impacted       | CA28 | 1994 | 2.55                                  | 2.05                                       | 0.51                                                     |
| Impacted       | CA28 | 1995 | 0.63                                  | 2.14                                       | -1.51                                                    |
| Impacted       | CA28 | 1996 | 1.80                                  | 2.32                                       | -0.53                                                    |
| Impacted       | CA28 | 1997 | 2.07                                  | 2.25                                       | -0.18                                                    |
| Impacted       | CA28 | 1998 | 1.42                                  | 2.30                                       | -0.88                                                    |
| Impacted       | CA28 | 1999 | 0.68                                  | 1.92                                       | -1.24                                                    |
| Impacted       | CA36 | 1994 | 2.46                                  | 2.03                                       | 0.43                                                     |
| Impacted       | CA36 | 1995 | 2.29                                  | 2.51                                       | -0.22                                                    |
| Impacted       | CA36 | 1996 | 2.96                                  | 2.58                                       | 0.39                                                     |
| Impacted       | CA36 | 1997 | 2.38                                  | 2.64                                       | -0.26                                                    |
| Impacted       | CA36 | 1998 | 2.14                                  | 2.46                                       | -0.31                                                    |
| Impacted       | CA36 | 1999 | 1.63                                  | 2.58                                       | -0.95                                                    |
| Impacted       | E1   | 1994 | 0.62                                  | 2.26                                       | -1.63                                                    |
| Impacted       | E1   | 1995 | 1.61                                  | 3.33                                       | -1.72                                                    |
| Impacted       | E1   | 1996 | 2.72                                  | 2.90                                       | -0.18                                                    |
| Impacted       | E1   | 1997 | 3.73                                  | 2.74                                       | 0.99                                                     |
| Impacted       | E1   | 1998 | 2.20                                  | 2.72                                       | -0.52                                                    |
| Impacted       | E1   | 1999 | 2.05                                  | 2.85                                       | -0.79                                                    |
| Impacted       | E2   | 1994 | 1.08                                  | 2.18                                       | -1.10                                                    |
| Impacted       | E2   | 1995 | 1.82                                  | 3.31                                       | -1.49                                                    |
| Impacted       | E2   | 1996 | 2.73                                  | 2.94                                       | -0.21                                                    |
| Impacted       | E2   | 1997 | 1.60                                  | 2.51                                       | -0.91                                                    |
| Impacted       | E2   | 1998 | 1.77                                  | 2.98                                       | -1.21                                                    |
| Impacted       | E2   | 1999 | 1.65                                  | 2.54                                       | -0.89                                                    |
| Impacted       | E3   | 1994 | 0.91                                  | 2.26                                       | -1.35                                                    |
| Impacted       | E3   | 1995 | 1.40                                  | 3.20                                       | -1.80                                                    |
| Impacted       | E3   | 1996 | 3.27                                  | 2.76                                       | 0.51                                                     |
| Impacted       | E3   | 1997 | 2.39                                  | 2.62                                       | -0.23                                                    |
| Impacted       | E3   | 1998 | 1.58                                  | 3.09                                       | -1.51                                                    |
| Impacted       | E3   | 1999 | 2.06                                  | 2.19                                       | -0.13                                                    |
| Impacted       | E4   | 1994 | 1.47                                  | 2.11                                       | -0.64                                                    |
| Impacted       | E4   | 1995 | 2.11                                  | 3.00                                       | -0.89                                                    |
| Impacted       | E4   | 1996 | 1.52                                  | 3.19                                       | -1.67                                                    |
| Impacted       | E4   | 1997 | 2.01                                  | 2.59                                       | -0.58                                                    |
| Impacted       | E4   | 1998 | 1.42                                  | 2.73                                       | -1.32                                                    |
| Impacted       | E4   | 1999 | 2.64                                  | 2.61                                       | 0.03                                                     |
| Impacted       | F1   | 1994 | 1.00                                  | 2.29                                       | -1.29                                                    |
| Impacted       | F1   | 1995 | 1.06                                  | 2.86                                       | -1.80                                                    |
| Impacted       | F1   | 1996 | 2.68                                  | 2.61                                       | 0.07                                                     |
| Impacted       | F1   | 1997 | 2.09                                  | 2.36                                       | -0.27                                                    |
| Impacted       | F1   | 1998 | 2.34                                  | 2.78                                       | -0.43                                                    |
| Impacted       | F1   | 1999 | 1.95                                  | 2.70                                       | -0.75                                                    |
| Impacted       | F2   | 1994 | 0.84                                  | 2.31                                       | -1.48                                                    |
| Impacted       | F2   | 1995 | 1.10                                  | 2.86                                       | -1.76                                                    |
| Impacted       | F2   | 1996 | 1.91                                  | 2.70                                       | -0.79                                                    |
| Impacted       | F2   | 1997 | 1.95                                  | 2.58                                       | -0.63                                                    |

| Classification | Site  | Year | Annual Mean<br>(mg O <sub>2</sub> /L) | DO <sub>AT</sub><br>(mg O <sub>2</sub> /L) | Annual Mean - DO <sub>AT</sub><br>(mg O <sub>2</sub> /L) |
|----------------|-------|------|---------------------------------------|--------------------------------------------|----------------------------------------------------------|
| Impacted       | F2    | 1998 | 1.81                                  | 2.62                                       | -0.81                                                    |
| Impacted       | F2    | 1999 | 2.00                                  | 2.78                                       | -0.79                                                    |
| Impacted       | F3    | 1994 | 1.43                                  | 2.34                                       | -0.91                                                    |
| Impacted       | F3    | 1995 | 1.85                                  | 3.17                                       | -1.33                                                    |
| Impacted       | F3    | 1996 | 3.27                                  | 2.71                                       | 0.56                                                     |
| Impacted       | F3    | 1997 | 2.16                                  | 2.42                                       | -0.26                                                    |
| Impacted       | F3    | 1998 | 1.95                                  | 3.19                                       | -1.23                                                    |
| Impacted       | F3    | 1999 | 2.45                                  | 2.92                                       | -0.47                                                    |
| Impacted       | F4    | 1994 | 1.64                                  | 2.14                                       | -0.50                                                    |
| Impacted       | F4    | 1995 | 1.28                                  | 2.73                                       | -1.45                                                    |
| Impacted       | F4    | 1996 | 2.01                                  | 2.45                                       | -0.44                                                    |
| Impacted       | F4    | 1997 | 2.04                                  | 2.23                                       | -0.18                                                    |
| Impacted       | F4    | 1998 | 1.95                                  | 2.63                                       | -0.68                                                    |
| Impacted       | F4    | 1999 | 2.10                                  | 2.43                                       | -0.33                                                    |
| Impacted       | X1    | 1996 | 1.56                                  | 1.96                                       | -0.40                                                    |
| Impacted       | X1    | 1997 | 1.95                                  | 2.95                                       | -1.00                                                    |
| Impacted       | X1    | 1998 | 2.26                                  | 2.99                                       | -0.73                                                    |
| Impacted       | X1    | 1999 | 2.24                                  | 2.60                                       | -0.35                                                    |
| Impacted       | X2    | 1996 | 1.80                                  | 2.53                                       | -0.73                                                    |
| Impacted       | X2    | 1997 | 2.61                                  | 3.21                                       | -0.60                                                    |
| Impacted       | X2    | 1998 | 2.26                                  | 2.96                                       | -0.69                                                    |
| Impacted       | X2    | 1999 | 2.11                                  | 2.47                                       | -0.36                                                    |
| Impacted       | Z1    | 1996 | 0.24                                  | 2.09                                       | -1.85                                                    |
| Impacted       | Z1    | 1997 | 0.80                                  | 3.58                                       | -2.78                                                    |
| Impacted       | Z1    | 1998 | 1.10                                  | 3.13                                       | -2.03                                                    |
| Impacted       | Z1    | 1999 | 2.13                                  | 2.53                                       | -0.39                                                    |
| Impacted       | Z2    | 1996 | 1.10                                  | 2.16                                       | -1.06                                                    |
| Impacted       | Z2    | 1997 | 2.40                                  | 3.14                                       | -0.74                                                    |
| Impacted       | Z2    | 1998 | 1.71                                  | 2.66                                       | -0.95                                                    |
| Impacted       | Z2    | 1999 | 2.43                                  | 2.64                                       | -0.21                                                    |
| Reference      | CA215 | 1995 | 4.33                                  | 2.32                                       | 2.01                                                     |
| Reference      | CA215 | 1996 | 4.62                                  | 2.34                                       | 2.29                                                     |
| Reference      | CA215 | 1997 | 5.50                                  | 2.15                                       | 3.34                                                     |
| Reference      | CA215 | 1998 | 5.03                                  | 2.14                                       | 2.89                                                     |
| Reference      | CA215 | 1999 | 5.01                                  | 2.35                                       | 2.66                                                     |
| Reference      | CA29  | 1994 | 5.03                                  | 2.16                                       | 2.87                                                     |
| Reference      | CA29  | 1995 | 3.68                                  | 2.33                                       | 1.35                                                     |
| Reference      | CA29  | 1996 | 3.84                                  | 2.14                                       | 1.70                                                     |
| Reference      | CA29  | 1997 | 3.98                                  | 2.18                                       | 1.80                                                     |
| Reference      | CA29  | 1998 | 3.33                                  | 2.20                                       | 1.13                                                     |
| Reference      | CA29  | 1999 | 3.20                                  | 2.20                                       | 1.00                                                     |
| Reference      | CA311 | 1994 | 3.11                                  | 1.69                                       | 1.42                                                     |
| Reference      | CA311 | 1995 | 3.44                                  | 2.28                                       | 1.16                                                     |
| Reference      | CA311 | 1996 | 3.31                                  | 2.31                                       | 1.00                                                     |
| Reference      | CA311 | 1997 | 3.59                                  | 2.27                                       | 1.32                                                     |
| Reference      | CA311 | 1998 | 3.09                                  | 2.17                                       | 0.93                                                     |
| Reference      | CA311 | 1999 | 4.03                                  | 2.25                                       | 1.78                                                     |
| Reference      | CA315 | 1994 | 3.05                                  | 1.63                                       | 1.41                                                     |
| Reference      | CA315 | 1995 | 2.63                                  | 2.10                                       | 0.53                                                     |
| Reference      | CA315 | 1996 | 2.38                                  | 2.23                                       | 0.14                                                     |
| Reference      | CA315 | 1997 | 3.07                                  | 2.22                                       | 0.85                                                     |

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|----------------|-------|------|---------------------------------------|--------------------------------------------|----------------------------------------------------------|
| Reference      | CA315 | 1998 | 3.03                                  | 2.11                                       | 0.92                                                     |
| Reference      | CA315 | 1999 | 3.18                                  | 2.24                                       | 0.94                                                     |
| Reference      | CA32  | 1994 | 4.07                                  | 2.15                                       | 1.92                                                     |
| Reference      | CA32  | 1995 | 3.51                                  | 2.66                                       | 0.84                                                     |
| Reference      | CA32  | 1996 | 5.10                                  | 2.90                                       | 2.20                                                     |
| Reference      | CA32  | 1997 | 4.20                                  | 2.55                                       | 1.65                                                     |
| Reference      | CA32  | 1998 | 3.82                                  | 2.69                                       | 1.13                                                     |
| Reference      | CA32  | 1999 | 4.61                                  | 2.59                                       | 2.02                                                     |
| Reference      | CA33  | 1994 | 2.96                                  | 2.37                                       | 0.58                                                     |
| Reference      | CA33  | 1995 | 2.27                                  | 2.77                                       | -0.50                                                    |
| Reference      | CA33  | 1996 | 3.36                                  | 3.03                                       | 0.33                                                     |
| Reference      | CA33  | 1997 | 2.25                                  | 1.99                                       | 0.26                                                     |
| Reference      | CA33  | 1998 | 3.47                                  | 2.60                                       | 0.87                                                     |
| Reference      | CA33  | 1999 | 3.54                                  | 2.53                                       | 1.01                                                     |
| Reference      | CA34  | 1994 | 2.55                                  | 1.82                                       | 0.73                                                     |
| Reference      | CA34  | 1995 | 2.65                                  | 2.29                                       | 0.35                                                     |
| Reference      | CA34  | 1996 | 2.72                                  | 2.40                                       | 0.32                                                     |
| Reference      | CA34  | 1997 | 2.70                                  | 2.45                                       | 0.25                                                     |
| Reference      | CA34  | 1998 | 2.26                                  | 2.43                                       | -0.17                                                    |
| Reference      | CA34  | 1999 | 3.69                                  | 2.27                                       | 1.42                                                     |
| Reference      | CA38  | 1994 | 3.26                                  | 1.87                                       | 1.39                                                     |
| Reference      | CA38  | 1995 | 2.73                                  | 2.42                                       | 0.31                                                     |
| Reference      | CA38  | 1996 | 3.60                                  | 2.42                                       | 1.18                                                     |
| Reference      | CA38  | 1997 | 2.78                                  | 2.39                                       | 0.39                                                     |
| Reference      | CA38  | 1998 | 2.79                                  | 2.38                                       | 0.42                                                     |
| Reference      | CA38  | 1999 | 3.83                                  | 2.27                                       | 1.56                                                     |
| Reference      | E5    | 1994 | 2.91                                  | 1.84                                       | 1.07                                                     |
| Reference      | E5    | 1995 | 3.15                                  | 2.36                                       | 0.79                                                     |
| Reference      | E5    | 1996 | 3.39                                  | 2.21                                       | 1.18                                                     |
| Reference      | E5    | 1997 | 4.46                                  | 2.56                                       | 1.90                                                     |
| Reference      | E5    | 1998 | 3.68                                  | 2.54                                       | 1.15                                                     |
| Reference      | E5    | 1999 | 4.15                                  | 2.66                                       | 1.49                                                     |
| Reference      | F5    | 1994 | 3.68                                  | 2.04                                       | 1.65                                                     |
| Reference      | F5    | 1995 | 4.22                                  | 2.58                                       | 1.63                                                     |
| Reference      | F5    | 1996 | 3.41                                  | 1.90                                       | 1.51                                                     |
| Reference      | F5    | 1997 | 4.48                                  | 2.34                                       | 2.15                                                     |
| Reference      | F5    | 1998 | 4.90                                  | 2.45                                       | 2.46                                                     |
| Reference      | F5    | 1999 | 4.24                                  | 2.57                                       | 1.68                                                     |
| Reference      | LOX11 | 1994 | 3.68                                  | 2.19                                       | 1.48                                                     |
| Reference      | LOX11 | 1995 | 1.69                                  | 2.32                                       | -0.63                                                    |
| Reference      | LOX11 | 1996 | 4.58                                  | 2.83                                       | 1.75                                                     |
| Reference      | LOX11 | 1997 | 3.17                                  | 2.32                                       | 0.85                                                     |
| Reference      | LOX11 | 1998 | 2.68                                  | 2.79                                       | -0.12                                                    |
| Reference      | LOX11 | 1999 | 2.90                                  | 2.48                                       | 0.42                                                     |
| Reference      | LOX12 | 1994 | 3.26                                  | 2.39                                       | 0.87                                                     |
| Reference      | LOX12 | 1995 | 2.53                                  | 2.15                                       | 0.38                                                     |
| Reference      | LOX12 | 1996 | 3.83                                  | 2.65                                       | 1.19                                                     |
| Reference      | LOX12 | 1997 | 4.12                                  | 2.12                                       | 2.00                                                     |
| Reference      | LOX12 | 1998 | 3.28                                  | 1.95                                       | 1.34                                                     |
| Reference      | LOX12 | 1999 | 3.71                                  | 2.27                                       | 1.44                                                     |
| Reference      | LOX13 | 1994 | 3.31                                  | 2.12                                       | 1.19                                                     |

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|----------------|-------|------|---------------------------------------|--------------------------------------------|----------------------------------------------------------|
| Reference      | LOX13 | 1995 | 2.20                                  | 2.41                                       | -0.21                                                    |
| Reference      | LOX13 | 1996 | 4.40                                  | 2.74                                       | 1.67                                                     |
| Reference      | LOX13 | 1997 | 4.33                                  | 2.38                                       | 1.96                                                     |
| Reference      | LOX13 | 1998 | 3.72                                  | 2.35                                       | 1.37                                                     |
| Reference      | LOX13 | 1999 | 4.54                                  | 2.84                                       | 1.70                                                     |
| Reference      | LOX14 | 1994 | 1.89                                  | 2.16                                       | -0.26                                                    |
| Reference      | LOX14 | 1995 | 1.63                                  | 2.45                                       | -0.82                                                    |
| Reference      | LOX14 | 1996 | 2.32                                  | 2.84                                       | -0.52                                                    |
| Reference      | LOX14 | 1997 | 2.46                                  | 2.54                                       | -0.08                                                    |
| Reference      | LOX14 | 1998 | 3.02                                  | 2.23                                       | 0.79                                                     |
| Reference      | LOX14 | 1999 | 2.79                                  | 2.46                                       | 0.33                                                     |
| Reference      | LOX15 | 1994 | 2.45                                  | 2.10                                       | 0.35                                                     |
| Reference      | LOX15 | 1995 | 2.42                                  | 2.13                                       | 0.29                                                     |
| Reference      | LOX15 | 1996 | 3.75                                  | 2.56                                       | 1.19                                                     |
| Reference      | LOX15 | 1997 | 3.76                                  | 2.18                                       | 1.57                                                     |
| Reference      | LOX15 | 1998 | 3.66                                  | 1.88                                       | 1.78                                                     |
| Reference      | LOX15 | 1999 | 3.86                                  | 2.14                                       | 1.73                                                     |
| Reference      | LOX16 | 1994 | 1.65                                  | 2.18                                       | -0.53                                                    |
| Reference      | LOX16 | 1995 | 1.38                                  | 2.23                                       | -0.84                                                    |
| Reference      | LOX16 | 1996 | 2.56                                  | 2.72                                       | -0.16                                                    |
| Reference      | LOX16 | 1997 | 2.87                                  | 2.34                                       | 0.53                                                     |
| Reference      | LOX16 | 1998 | 2.37                                  | 2.10                                       | 0.26                                                     |
| Reference      | LOX16 | 1999 | 2.19                                  | 2.32                                       | -0.13                                                    |
| Reference      | LOX3  | 1994 | 4.80                                  | 2.18                                       | 2.62                                                     |
| Reference      | LOX3  | 1995 | 6.28                                  | 2.59                                       | 3.69                                                     |
| Reference      | LOX3  | 1996 | 4.83                                  | 3.07                                       | 1.76                                                     |
| Reference      | LOX3  | 1997 | 6.92                                  | 2.42                                       | 4.50                                                     |
| Reference      | LOX3  | 1998 | 5.76                                  | 2.86                                       | 2.90                                                     |
| Reference      | LOX3  | 1999 | 5.10                                  | 2.90                                       | 2.21                                                     |
| Reference      | LOX4  | 1994 | 4.10                                  | 2.90                                       | 1.21                                                     |
| Reference      | LOX4  | 1995 | 2.18                                  | 2.99                                       | -0.82                                                    |
| Reference      | LOX4  | 1996 | 4.42                                  | 3.11                                       | 1.32                                                     |
| Reference      | LOX4  | 1997 | 5.02                                  | 2.67                                       | 2.35                                                     |
| Reference      | LOX4  | 1998 | 3.25                                  | 3.34                                       | -0.09                                                    |
| Reference      | LOX4  | 1999 | 3.20                                  | 2.92                                       | 0.28                                                     |
| Reference      | LOX5  | 1994 | 6.17                                  | 2.08                                       | 4.09                                                     |
| Reference      | LOX5  | 1995 | 5.26                                  | 2.33                                       | 2.93                                                     |
| Reference      | LOX5  | 1996 | 6.16                                  | 2.90                                       | 3.26                                                     |
| Reference      | LOX5  | 1997 | 4.64                                  | 2.25                                       | 2.38                                                     |
| Reference      | LOX5  | 1998 | 5.52                                  | 2.34                                       | 3.17                                                     |
| Reference      | LOX5  | 1999 | 5.06                                  | 2.54                                       | 2.53                                                     |
| Reference      | LOX6  | 1994 | 3.80                                  | 2.05                                       | 1.75                                                     |
| Reference      | LOX6  | 1995 | 2.26                                  | 1.97                                       | 0.29                                                     |
| Reference      | LOX6  | 1996 | 3.30                                  | 2.73                                       | 0.57                                                     |
| Reference      | LOX6  | 1997 | 3.05                                  | 2.22                                       | 0.83                                                     |
| Reference      | LOX6  | 1998 | 2.79                                  | 2.23                                       | 0.55                                                     |
| Reference      | LOX6  | 1999 | 2.95                                  | 2.11                                       | 0.84                                                     |
| Reference      | LOX7  | 1994 | 2.95                                  | 1.99                                       | 0.96                                                     |
| Reference      | LOX7  | 1995 | 1.91                                  | 2.05                                       | -0.14                                                    |
| Reference      | LOX7  | 1996 | 2.88                                  | 2.68                                       | 0.19                                                     |
| Reference      | LOX7  | 1997 | 3.47                                  | 2.26                                       | 1.21                                                     |

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|----------------|-------|------|---------------------------------------|--------------------------------------------|----------------------------------------------------------|
| Reference      | LOX7  | 1998 | 3.89                                  | 2.11                                       | 1.78                                                     |
| Reference      | LOX7  | 1999 | 3.60                                  | 2.31                                       | 1.28                                                     |
| Reference      | LOX8  | 1994 | 3.68                                  | 2.02                                       | 1.66                                                     |
| Reference      | LOX8  | 1995 | 3.06                                  | 2.20                                       | 0.86                                                     |
| Reference      | LOX8  | 1996 | 4.51                                  | 2.74                                       | 1.77                                                     |
| Reference      | LOX8  | 1997 | 4.14                                  | 2.27                                       | 1.87                                                     |
| Reference      | LOX8  | 1998 | 4.23                                  | 2.16                                       | 2.07                                                     |
| Reference      | LOX8  | 1999 | 3.82                                  | 2.29                                       | 1.54                                                     |
| Reference      | LOX9  | 1994 | 4.61                                  | 2.27                                       | 2.34                                                     |
| Reference      | LOX9  | 1995 | 3.50                                  | 2.53                                       | 0.97                                                     |
| Reference      | LOX9  | 1996 | 4.77                                  | 3.00                                       | 1.77                                                     |
| Reference      | LOX9  | 1997 | 4.65                                  | 2.47                                       | 2.18                                                     |
| Reference      | LOX9  | 1998 | 5.52                                  | 2.57                                       | 2.96                                                     |
| Reference      | LOX9  | 1999 | 4.96                                  | 2.63                                       | 2.33                                                     |
| Reference      | NE1   | 1994 | 5.45                                  | 2.32                                       | 3.13                                                     |
| Reference      | NE1   | 1995 | 5.30                                  | 2.59                                       | 2.71                                                     |
| Reference      | NE1   | 1996 | 3.53                                  | 2.39                                       | 1.14                                                     |
| Reference      | NE1   | 1997 | 3.23                                  | 2.24                                       | 1.00                                                     |
| Reference      | NE1   | 1998 | 3.45                                  | 2.29                                       | 1.15                                                     |
| Reference      | NE1   | 1999 | 2.93                                  | 2.09                                       | 0.84                                                     |
| Reference      | NP201 | 1994 | 5.31                                  | 2.24                                       | 3.06                                                     |
| Reference      | NP201 | 1995 | 5.26                                  | 2.47                                       | 2.78                                                     |
| Reference      | NP201 | 1996 | 4.81                                  | 2.39                                       | 2.42                                                     |
| Reference      | NP201 | 1997 | 5.23                                  | 2.22                                       | 3.01                                                     |
| Reference      | NP201 | 1998 | 3.77                                  | 2.32                                       | 1.45                                                     |
| Reference      | NP201 | 1999 | 5.16                                  | 2.12                                       | 3.03                                                     |
| Reference      | P33   | 1994 | 4.32                                  | 2.44                                       | 1.87                                                     |
| Reference      | P33   | 1995 | 5.49                                  | 2.78                                       | 2.71                                                     |
| Reference      | P33   | 1996 | 3.55                                  | 2.14                                       | 1.40                                                     |
| Reference      | P33   | 1997 | 3.72                                  | 2.15                                       | 1.57                                                     |
| Reference      | P33   | 1998 | 3.42                                  | 2.02                                       | 1.39                                                     |
| Reference      | P33   | 1999 | 3.59                                  | 1.92                                       | 1.67                                                     |
| Reference      | P34   | 1994 | 6.37                                  | 2.16                                       | 4.21                                                     |
| Reference      | P34   | 1995 | 4.99                                  | 2.23                                       | 2.76                                                     |
| Reference      | P34   | 1996 | 5.04                                  | 2.39                                       | 2.65                                                     |
| Reference      | P34   | 1997 | 6.29                                  | 2.41                                       | 3.88                                                     |
| Reference      | P34   | 1998 | 4.81                                  | 2.68                                       | 2.13                                                     |
| Reference      | P34   | 1999 | 5.88                                  | 2.21                                       | 3.67                                                     |
| Reference      | P35   | 1994 | 3.62                                  | 2.11                                       | 1.52                                                     |
| Reference      | P35   | 1995 | 3.64                                  | 2.31                                       | 1.33                                                     |
| Reference      | P35   | 1996 | 3.79                                  | 2.74                                       | 1.05                                                     |
| Reference      | P35   | 1997 | 4.54                                  | 2.67                                       | 1.88                                                     |
| Reference      | P35   | 1998 | 3.52                                  | 3.22                                       | 0.29                                                     |
| Reference      | P35   | 1999 | 5.17                                  | 3.05                                       | 2.12                                                     |
| Reference      | P36   | 1994 | 5.18                                  | 2.75                                       | 2.44                                                     |
| Reference      | P36   | 1995 | 6.85                                  | 2.93                                       | 3.92                                                     |
| Reference      | P36   | 1996 | 3.61                                  | 2.36                                       | 1.25                                                     |
| Reference      | P36   | 1997 | 4.01                                  | 2.46                                       | 1.55                                                     |
| Reference      | P36   | 1998 | 3.91                                  | 2.60                                       | 1.31                                                     |
| Reference      | P36   | 1999 | 4.72                                  | 2.38                                       | 2.34                                                     |
| Reference      | P37   | 1994 | 8.22                                  | 3.64                                       | 4.58                                                     |

| Classification | Site | Year | Annual Mean<br>(mg O <sub>2</sub> /L) | DO <sub>AT</sub><br>(mg O <sub>2</sub> /L) | Annual Mean - DO <sub>AT</sub><br>(mg O <sub>2</sub> /L) |
|----------------|------|------|---------------------------------------|--------------------------------------------|----------------------------------------------------------|
| Reference      | P37  | 1995 | 6.58                                  | 3.31                                       | 3.26                                                     |
| Reference      | P37  | 1996 | 5.96                                  | 3.07                                       | 2.89                                                     |
| Reference      | P37  | 1997 | 7.70                                  | 2.93                                       | 4.77                                                     |
| Reference      | P37  | 1998 | 6.96                                  | 3.24                                       | 3.72                                                     |
| Reference      | P37  | 1999 | 9.39                                  | 3.35                                       | 6.04                                                     |
| Reference      | TSB  | 1994 | 8.01                                  | 3.94                                       | 4.07                                                     |
| Reference      | TSB  | 1995 | 7.26                                  | 3.93                                       | 3.33                                                     |
| Reference      | TSB  | 1996 | 5.58                                  | 3.61                                       | 1.96                                                     |
| Reference      | TSB  | 1997 | 3.56                                  | 1.44                                       | 2.12                                                     |
| Reference      | TSB  | 1998 | 5.12                                  | 2.78                                       | 2.34                                                     |
| Reference      | TSB  | 1999 | 8.11                                  | 2.99                                       | 5.13                                                     |
| Reference      | U1   | 1994 | 2.82                                  | 1.80                                       | 1.03                                                     |
| Reference      | U1   | 1995 | 2.97                                  | 2.37                                       | 0.60                                                     |
| Reference      | U1   | 1996 | 2.40                                  | 2.47                                       | -0.07                                                    |
| Reference      | U1   | 1997 | 3.56                                  | 2.46                                       | 1.09                                                     |
| Reference      | U1   | 1998 | 3.19                                  | 2.28                                       | 0.90                                                     |
| Reference      | U1   | 1999 | 3.86                                  | 2.64                                       | 1.23                                                     |
| Reference      | U2   | 1994 | 3.14                                  | 1.88                                       | 1.26                                                     |
| Reference      | U2   | 1995 | 2.51                                  | 2.28                                       | 0.23                                                     |
| Reference      | U2   | 1996 | 2.84                                  | 2.36                                       | 0.47                                                     |
| Reference      | U2   | 1997 | 3.48                                  | 2.72                                       | 0.76                                                     |
| Reference      | U2   | 1998 | 3.30                                  | 2.50                                       | 0.80                                                     |
| Reference      | U2   | 1999 | 5.17                                  | 2.60                                       | 2.57                                                     |
| Reference      | U3   | 1994 | 3.87                                  | 2.00                                       | 1.87                                                     |
| Reference      | U3   | 1995 | 4.33                                  | 2.28                                       | 2.05                                                     |
| Reference      | U3   | 1996 | 3.86                                  | 2.35                                       | 1.51                                                     |
| Reference      | U3   | 1997 | 4.89                                  | 2.42                                       | 2.48                                                     |
| Reference      | U3   | 1998 | 4.69                                  | 2.41                                       | 2.28                                                     |
| Reference      | U3   | 1999 | 4.94                                  | 2.62                                       | 2.32                                                     |
| Reference      | X3   | 1996 | 2.57                                  | 2.23                                       | 0.35                                                     |
| Reference      | X3   | 1997 | 3.63                                  | 3.02                                       | 0.62                                                     |
| Reference      | X3   | 1998 | 3.75                                  | 3.19                                       | 0.57                                                     |
| Reference      | X3   | 1999 | 3.02                                  | 2.43                                       | 0.59                                                     |
| Reference      | X4   | 1996 | 2.48                                  | 2.35                                       | 0.13                                                     |
| Reference      | X4   | 1997 | 2.97                                  | 2.87                                       | 0.10                                                     |
| Reference      | X4   | 1998 | 4.41                                  | 3.05                                       | 1.36                                                     |
| Reference      | X4   | 1999 | 4.03                                  | 2.49                                       | 1.54                                                     |
| Reference      | Y4   | 1996 | 2.71                                  | 2.39                                       | 0.32                                                     |
| Reference      | Y4   | 1997 | 3.90                                  | 3.21                                       | 0.69                                                     |
| Reference      | Y4   | 1998 | 4.00                                  | 2.76                                       | 1.23                                                     |
| Reference      | Y4   | 1999 | 3.91                                  | 3.02                                       | 0.89                                                     |
| Reference      | Z3   | 1996 | 2.50                                  | 2.19                                       | 0.31                                                     |
| Reference      | Z3   | 1997 | 3.85                                  | 3.03                                       | 0.82                                                     |
| Reference      | Z3   | 1998 | 3.44                                  | 2.69                                       | 0.75                                                     |
| Reference      | Z3   | 1999 | 3.80                                  | 2.68                                       | 1.12                                                     |
| Reference      | Z4   | 1996 | 2.42                                  | 2.22                                       | 0.20                                                     |
| Reference      | Z4   | 1997 | 4.38                                  | 2.89                                       | 1.50                                                     |
| Reference      | Z4   | 1998 | 4.64                                  | 2.83                                       | 1.82                                                     |
| Reference      | Z4   | 1999 | 4.22                                  | 2.83                                       | 1.39                                                     |
| Unknown        | CA27 | 1994 | 4.40                                  | 2.01                                       | 2.39                                                     |
| Unknown        | CA27 | 1995 | 2.71                                  | 2.25                                       | 0.46                                                     |

| Classification | Site  | Year | Annual Mean<br>(mg O <sub>2</sub> /L) | DO <sub>AT</sub><br>(mg O <sub>2</sub> /L) | Annual Mean - DO <sub>AT</sub><br>(mg O <sub>2</sub> /L) |
|----------------|-------|------|---------------------------------------|--------------------------------------------|----------------------------------------------------------|
| Unknown        | CA27  | 1996 | 4.54                                  | 2.38                                       | 2.15                                                     |
| Unknown        | CA27  | 1997 | 3.91                                  | 1.99                                       | 1.91                                                     |
| Unknown        | CA27  | 1998 | 4.04                                  | 2.19                                       | 1.85                                                     |
| Unknown        | CA27  | 1999 | 3.74                                  | 2.23                                       | 1.51                                                     |
| Unknown        | CA35  | 1994 | 4.62                                  | 2.08                                       | 2.53                                                     |
| Unknown        | CA35  | 1995 | 3.77                                  | 2.78                                       | 0.99                                                     |
| Unknown        | CA35  | 1996 | 4.00                                  | 2.36                                       | 1.64                                                     |
| Unknown        | CA35  | 1997 | 2.81                                  | 1.95                                       | 0.86                                                     |
| Unknown        | CA35  | 1998 | 3.57                                  | 2.41                                       | 1.16                                                     |
| Unknown        | CA35  | 1999 | 4.02                                  | 2.28                                       | 1.74                                                     |
| Unknown        | LOX10 | 1994 | 3.95                                  | 2.65                                       | 1.30                                                     |
| Unknown        | LOX10 | 1995 | 3.35                                  | 2.57                                       | 0.78                                                     |
| Unknown        | LOX10 | 1996 | 5.08                                  | 2.98                                       | 2.11                                                     |
| Unknown        | LOX10 | 1997 | 5.08                                  | 2.74                                       | 2.34                                                     |
| Unknown        | LOX10 | 1998 | 4.95                                  | 2.82                                       | 2.13                                                     |
| Unknown        | LOX10 | 1999 | 4.43                                  | 2.59                                       | 1.84                                                     |