

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***RESEARCH AND DEVELOPMENT
DEPARTMENT***

REPORT NO. 02-11

CONTINUOUS DISSOLVED OXYGEN MONITORING

FROM WILMETTE TO LOCKPORT

IN THE CHICAGO WATERWAY SYSTEM

DURING AUGUST 1998 THROUGH JULY 2000

November 2002

Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street Chicago, IL 60611-2803 (312) 751-5600

CONTINUOUS DISSOLVED OXYGEN MONITORING
FROM WILMETTE TO LOCKPORT
IN THE CHICAGO WATERWAY SYSTEM
DURING AUGUST 1998 THROUGH JULY 2000

By

Irwin Polls
Microbiologist IV

Research and Development Department
Richard Lanyon, Director

November 2002

TABLE OF CONTENTS

| | <u>Page</u> |
|-------------------------------------|-------------|
| LIST OF TABLES | iv |
| LIST OF FIGURES | vii |
| ACKNOWLEDGMENT | x |
| DISCLAIMER | x |
| SUMMARY AND CONCLUSIONS | xi |
| Summary | xi |
| Conclusions | xii |
| INTRODUCTION | 1 |
| MONITORING STATIONS | 3 |
| MATERIALS AND METHODS | 8 |
| Water Quality Monitor | 8 |
| Data Management and Review | 9 |
| Verification of Representative Data | 10 |
| RESULTS AND DISCUSSION | 11 |
| North Shore Channel | 18 |
| Linden Street | 18 |
| Simpson Street | 20 |
| Main Street | 20 |
| Devon Avenue | 22 |
| North Branch of the Chicago River | 24 |
| Lawrence Avenue | 24 |

TABLE OF CONTENTS (Continued)

| | <u>Page</u> |
|-----------------------------------|-------------|
| Addison Street | 27 |
| Fullerton Avenue | 27 |
| Division Street | 29 |
| Kinzie Street | 31 |
| Chicago River | 34 |
| Clark Street | 34 |
| South Branch of the Chicago River | 34 |
| Jackson Boulevard | 34 |
| Loomis Street | 36 |
| Bubbly Creek | 38 |
| Interstate Highway 55 | 38 |
| Chicago Sanitary and Ship Canal | 40 |
| Cicero Avenue | 40 |
| B&O Central Railroad | 40 |
| Route 83 | 43 |
| River Mile 302.6 | 45 |
| Romeoville Road | 47 |
| Lockport | 47 |
| Calumet-Sag Channel | 50 |
| Route 83 | 50 |

TABLE OF CONTENTS (Continued)

| | <u>Page</u> |
|---|-------------|
| APPENDICES | |
| I Weekly DO Summary Statistics at Twenty Monitoring Stations During August 1998 Through July 2000 | AI-1 |

LIST OF TABLES

| <u>Table No.</u> | | <u>Page</u> |
|----------------------|---|-------------|
| 1 | Continuous Dissolved Oxygen Monitoring Locations | 5 |
| 2 | Number and Percent of Dissolved Oxygen Values Rejected During August 1998 Through July 2000 | 12 |
| 3 | Minimum, Maximum, and Mean Dissolved Oxygen Values Measured Hourly in the Chicago Waterway System During August 1998 Through July 2000 | 13 |
| 4 | Number and Percent of Dissolved Oxygen Values Above the Illinois Pollution Control Board's Water Quality Standard in the Chicago Waterway System During August 1998 Through July 2000 | 15 |
| 5 | Percent of Dissolved Oxygen (DO) Values in Selected Ranges in the Chicago Waterway System During August 1998 Through July 2000 | 17 |
| AI-1 | Weekly DO Summary Statistics at Linden Street on the North Shore Channel During August 1998 Through July 2000 | AI-1 |
| AI-2 | Weekly DO Summary Statistics at Simpson Street on the North Shore Channel During August 1998 Through July 2000 | AI-4 |
| AI-3 | Weekly DO Summary Statistics at Main Street on the North Shore Channel During August 1998 Through July 2000 | AI-7 |
| AI-4 | Weekly DO Summary Statistics at Devon Avenue on the North Shore Channel During August 1998 Through July 2000 | AI-10 |

LIST OF TABLES (Continued)

| <u>Table No.</u> | | <u>Page</u> |
|----------------------|---|-------------|
| AI-5 | Weekly DO Summary Statistics at Lawrence Avenue on the North Branch of the Chicago River During August 1998 Through July 2000 | AI-13 |
| AI-6 | Weekly DO Summary Statistics at Addison Street on the North Branch of the Chicago River During August 1998 Through July 2000 | AI-16 |
| AI-7 | Weekly DO Summary Statistics at Fullerton Avenue on the North Branch of the Chicago River During August 1998 Through July 2000 | AI-19 |
| AI-8 | Weekly DO Summary Statistics at Division Street on the North Branch of the Chicago River During August 1998 Through July 2000 | AI-22 |
| AI-9 | Weekly DO Summary Statistics at Kinzie Street on the North Branch of the Chicago River During August 1998 Through July 2000 | AI-25 |
| AI-10 | Weekly DO Summary Statistics at Clark Street on the Chicago River During August 1998 Through July 2000 | AI-28 |
| AI-11 | Weekly DO Summary Statistics at Jackson Boulevard on the South Branch of the Chicago River During August 1998 Through July 2000 | AI-31 |
| AI-12 | Weekly DO Summary Statistics at Loomis Street on the South Branch of the Chicago River During August 1998 Through July 2000 | AI-34 |
| AI-13 | Weekly DO Summary Statistics at Interstate 55 on Bubbly Creek During August 1998 Through July 2000 | AI-37 |

LIST OF TABLES (Continued)

| <u>Table No.</u> | | <u>Page</u> |
|----------------------|--|-------------|
| AI-14 | Weekly DO Summary Statistics at Cicero Avenue on the Chicago Sanitary and Ship Canal During August 1998 Through July 2000 | AI-40 |
| AI-15 | Weekly DO Summary Statistics at B&O Central Railroad on the Chicago Sanitary and Ship Canal During August 1998 Through July 2000 | AI-43 |
| AI-16 | Weekly DO Summary Statistics at Route 83 on the Chicago Sanitary and Ship Canal During August 1998 Through July 2000 | AI-46 |
| AI-17 | Weekly DO Summary Statistics at River Mile 302.6 on the Chicago Sanitary and Ship Canal During August 1998 Through July 2000 | AI-49 |
| AI-18 | Weekly DO Summary Statistics at Romeoville Road on the Chicago Sanitary and Ship Canal During August 1998 Through July 2000 | AI-52 |
| AI-19 | Weekly DO Summary Statistics at Lockport Powerhouse on the Chicago Sanitary and Ship Canal During August 1998 Through July 2000 | AI-55 |
| AI-20 | Weekly DO Summary Statistics at Route 83 on the Calumet-Sag Channel During August 1998 Through July 2000 | AI-58 |

LIST OF FIGURES

| <u>Figure No.</u> | | <u>Page</u> |
|-----------------------|--|-------------|
| 1 | Continuous Dissolved Oxygen Monitoring Stations | 4 |
| 2 | Dissolved Oxygen Concentration Measured Hourly at Linden Street on the North Shore Channel from August 1998 Through July 2000 | 19 |
| 3 | Dissolved Oxygen Concentration Measured Hourly at Simpson Street on the North Shore Channel from August 1998 Through July 2000 | 21 |
| 4 | Dissolved Oxygen Concentration Measured Hourly at Main Street on the North Shore Channel from August 1998 Through July 2000 | 23 |
| 5 | Dissolved Oxygen Concentration Measured Hourly at Devon Avenue on the North Shore Channel from August 1998 Through July 2000 | 25 |
| 6 | Dissolved Oxygen Concentration Measured Hourly at Lawrence Avenue on the North Branch of the Chicago River from August 1998 Through July 2000 | 26 |
| 7 | Dissolved Oxygen Concentration Measured Hourly at Addison Street on the North Branch of the Chicago River from August 1998 Through July 2000 | 28 |
| 8 | Dissolved Oxygen Concentration Measured Hourly at Fullerton Avenue on the North Branch of the Chicago River from August 1998 Through July 2000 | 30 |
| 9 | Dissolved Oxygen Concentration Measured Hourly at Division Street on the North Branch of the Chicago River from August 1998 Through July 2000 | 32 |

LIST OF FIGURES (Continued)

| <u>Figure No.</u> | | <u>Page</u> |
|-----------------------|--|-------------|
| 10 | Dissolved Oxygen Concentration Measured Hourly at Kinzie Street on the North Branch of the Chicago River from August 1998 Through July 2000 | 33 |
| 11 | Dissolved Oxygen Concentration Measured Hourly at Clark Street on the Chicago River from August 1998 Through July 2000 | 35 |
| 12 | Dissolved Oxygen Concentration Measured Hourly at Jackson Boulevard on the South Branch of the Chicago River from August 1998 Through July 2000 | 37 |
| 13 | Dissolved Oxygen Concentration Measured Hourly at Loomis Street on the South Branch of the Chicago River from August 1998 Through July 2000 | 39 |
| 14 | Dissolved Oxygen Concentration Measured Hourly at Interstate 55 on Bubbly Creek from August 1998 Through July 2000 | 41 |
| 15 | Dissolved Oxygen Concentration Measured Hourly at Cicero Avenue on the Chicago Sanitary and Ship Canal from August 1998 Through July 2000 | 42 |
| 16 | Dissolved Oxygen Concentration Measured Hourly at B&O Central Railroad on the Chicago Sanitary and Ship Canal from August 1998 Through July 2000 | 44 |
| 17 | Dissolved Oxygen Concentration Measured Hourly at Route 83 on the Chicago Sanitary and Ship Canal from August 1998 Through July 2000 | 46 |

LIST OF FIGURES (Continued)

| <u>Figure No.</u> | | <u>Page</u> |
|-----------------------|--|-------------|
| 18 | Dissolved Oxygen Concentration Measured Hourly at River Mile 302.6 on the Chicago Sanitary and Ship Canal from August 1998 Through July 2000 | 48 |
| 19 | Dissolved Oxygen Concentration Measured Hourly at Romeoville Road on the Chicago Sanitary and Ship Canal from August 1998 Through July 2000 | 49 |
| 20 | Dissolved Oxygen Concentration Measured Hourly at Lockport Power House on the Chicago Sanitary and Ship Canal from August 1998 Through July 2000 | 51 |
| 21 | Dissolved Oxygen Concentration Measured Hourly at Route 83 on the Calumet-Sag Channel from August 1998 Through July 2000 | 53 |

ACKNOWLEDGMENT

Thanks are extended to staff from the Industrial Waste Division who deployed and retrieved the water quality monitors weekly during the study. Special thanks to Mr. Richard Schackart, Laboratory Technician II, and Mr. Pawel Grunwald, Sanitary Chemist I, for downloading and servicing the monitors. Sincere appreciation to Mr. Michael Sopcak, Biologist II, and Mr. Samuel Dennison, Biologist III, for preparing the weekly monitoring reports, including statistical summaries and line drawings.

I am deeply indebted to Mr. Robert Larson, Illinois State Water Survey, for designing the Access® database program and to Mr. Roger Smith, Senior Program Analyst, Information Technology Department, for modifying the database program. Their help with the Access® program is greatly appreciated.

Particular thanks are due to Ms. Joan Scrima for typing the report.

DISCLAIMER

Mention of proprietary equipment and chemicals in this report does not constitute endorsement by the Metropolitan Water Reclamation District of Greater Chicago.

SUMMARY AND CONCLUSIONS

Summary

More than 30 years ago, the Metropolitan Water Reclamation District of Greater Chicago (District) determined that applicable dissolved oxygen (DO) standards for deep draft navigable waterways in the Chicago area could not be maintained exclusively by improving the effluent quality from the three major District Water Reclamation Plants (WRPs) and by capturing and treating combined sewer overflows (CSOs).

In order to provide supplemental aeration, the District constructed and operated two diffused instream aeration stations and five sidestream elevated pool aeration stations (SEPA's) in Chicago area waterways.

In August 1996, the District began planning a comprehensive DO monitoring study to identify reaches in the Chicago Waterway System where the DO concentration is less than the applicable Illinois Pollution Control Board (IPCB) water quality standards.

Initially, 20 stations were selected for monitoring from Wilmette, Illinois on the North Shore Channel to the Lockport Powerhouse and Lock on the Chicago Sanitary and Ship Canal.

Additional stations were added to the DO monitoring network in order to monitor the Calumet Waterway System.

In the present study, DO was measured hourly at 20 stations for a two-year period (August 1998 through July 2000) using continuous water quality monitors, Models 6600 and 6920 manufactured by Yellow Springs, Incorporated, (YSI), Yellow Springs, Ohio.

Conclusions

The results of the continuous DO monitoring conducted in the Chicago Waterway System during the period from August 1998 through July 2000 indicate the following.

1. DO supersaturation occurred occasionally at Main Street on the North Shore Channel and Interstate 55 on Bubbly Creek. Conversely, DO concentrations of zero were recorded numerous times at Linden Street, Simpson Street, and Main Street on the North Shore Channel and Interstate 55 on Bubbly Creek.
2. None of the 20 monitoring stations recorded DO concentrations above the applicable IPCB standards at all times. However, three monitoring stations were above the applicable IPCB DO standard

over 99 percent of the time. The three stations were Devon Avenue on the North Shore Channel and Lawrence Avenue and Addison Street on the North Branch of the Chicago River.

3. Monitoring stations where the DO concentration was above the DO standard 90 to 99 percent of the time included Fullerton Avenue, Division Street, and Kinzie Street on the North Branch of the Chicago River, Clark Street on the Chicago River, Jackson Boulevard and Loomis Street on the South Branch of the Chicago River, B&O Central Railroad and River Mile 302.6 on the Chicago Sanitary and Ship Canal, and Route 83 on the Calumet-Sag Channel.
4. Monitoring stations recording DO levels above the applicable IPCB DO standards 50 to 90 percent of the time included Main Street on the North Shore Channel, Interstate 55 on Bubbly Creek, and Cicero Avenue, Route 83, Romeoville Road, and Lockport on the Chicago Sanitary and Ship Canal.
5. The DO concentration at Linden Street and Simpson Street on the North Shore Channel was above

the DO standard less than 50 percent of the time.

The data resulting from the operation of the continuous DO monitors has been found to be an important source of information for determining the DO concentrations in a complex, urbanized waterway system. This information will be useful for determining the need and location for additional supplemental aeration capacity, understanding the temporal and transient impacts of CSOs, assessing the effects of reduced discretionary diversion from Lake Michigan, and calibration and verification of an unsteady-state water quality model for the Chicago and Calumet Waterway Systems.

INTRODUCTION

Over the years, increased pollutant loading from urbanization throughout the Chicago metropolitan area and low stream velocities in Chicago area deep draft waterways have caused DO concentrations to fall below DO standards established by the IPCB.

More than 30 years ago, the District determined that applicable IPCB DO standards for Chicago area waterways could not be met exclusively by advanced wastewater treatment at its three major regional WRPs (Calumet, North Side, and Stickney) and by the capture and treatment of CSOs. In order to increase the DO concentration in the Chicago and Calumet Waterway Systems, the District designed and constructed artificial aeration systems (instream diffuser and SEPA) during the late 1970s and early 1990s, respectively.

From October 1994 through May 1996, the Research and Development (R&D) Department conducted weekly DO surveys in the Chicago Waterway System. Water samples were collected manually, chemically fixed in the field, and returned to the laboratory for titration. The results from these surveys showed that DO values in selected waterway reaches were less than IPCB DO standards applicable to these reaches.

In August 1996, the R&D Department began developing a comprehensive field-monitoring program in order to locate and identify reaches in the Chicago Waterway System where the DO concentration is less than the applicable IPCB DO standard. Initially, the program was to focus on the Chicago Waterway System for a two-year period. Subsequently, the scope of the monitoring program was extended to four years, and the study area was expanded to include the Calumet Waterway System for the latter two years.

This report summarizes the results from the first two years of monitoring (August 1998 through July 2000) on the Chicago Waterway System.

MONITORING STATIONS

Twenty stations were selected for DO monitoring along the Chicago Waterway System from Wilmette, Illinois on the North Shore Channel to the Lockport Powerhouse and Lock on the Chicago Sanitary and Ship Canal (Figure 1).

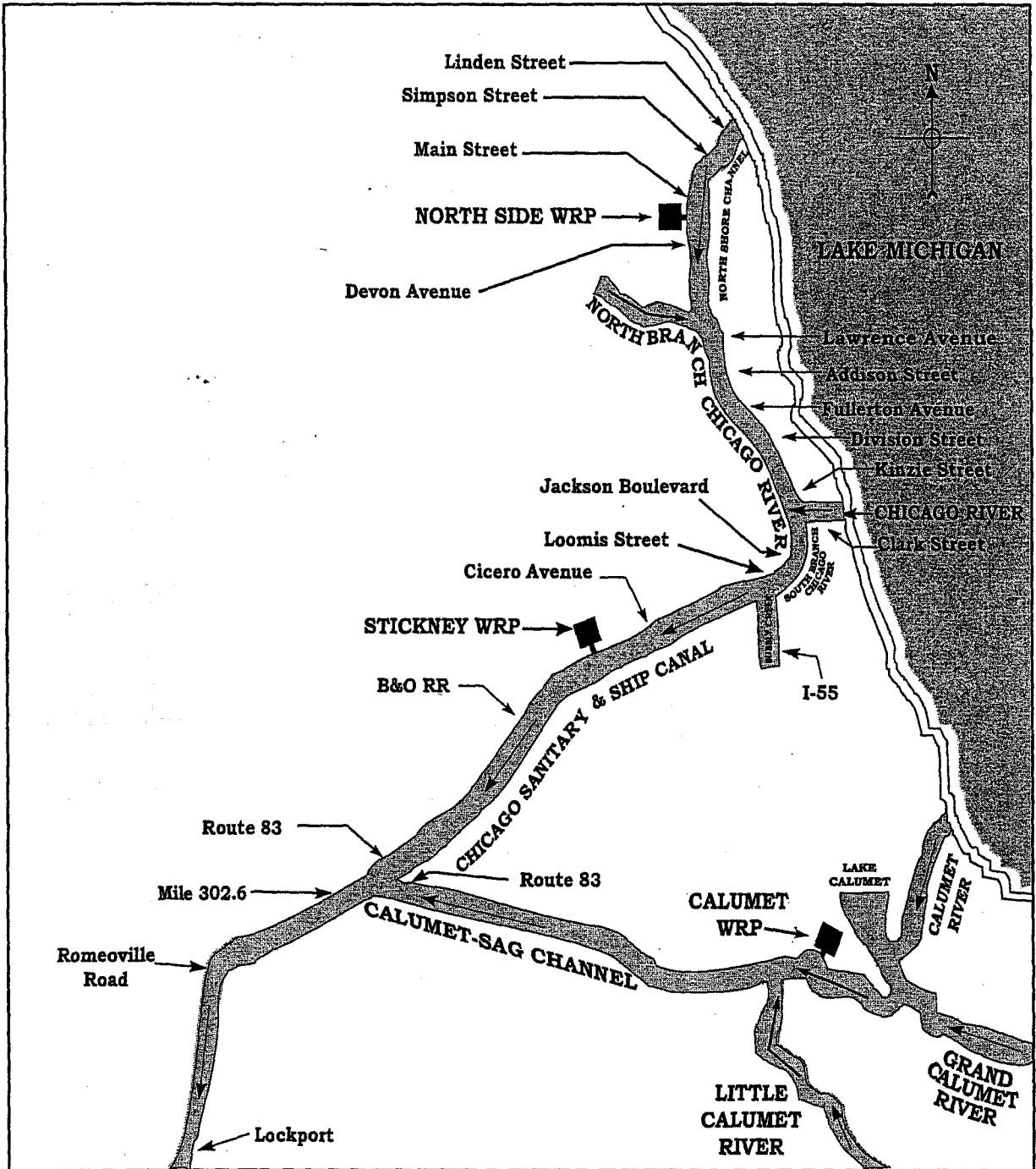
Criteria used to select monitoring stations included the following: (1) history of low DO; (2) above and below confluence of waterways; (3) proximity to instream aeration stations; (4) below North Branch and Racine Avenue pumping stations; (5) above and below the North Side and Stickney WRPs; (6) below discretionary diversion locations; and (7) minimal cross-sectional DO variability.

Four stations were located on the North Shore Channel, five on the North Branch of the Chicago River, one on the Chicago River, two on the South Branch of the Chicago River, one on Bubbly Creek, six on the Chicago Sanitary and Ship Canal, and one station on the Calumet-Sag Channel. Table 1 describes the locations of the 20 monitoring stations.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 1

CONTINUOUS DISSOLVED OXYGEN MONITORING STATIONS



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 1

CONTINUOUS DISSOLVED OXYGEN MONITORING LOCATIONS

| Monitoring Location | Waterways | Description of Monitoring Location |
|---------------------|----------------------------|--|
| Linden Street | North Shore Channel | 0.1 mile below Wilmette Pumping Station; 7.1 miles above North Side WRP outfall; water quality monitor under Linden Street bridge, center of channel, one foot above bottom. |
| Simpson Street | North Shore Channel | 1.6 miles below Wilmette Pumping Station; 5.6 miles above North Side WRP outfall; water quality monitor under Simpson Street bridge, center of channel, one foot above bottom. |
| 5 Main Street | North Shore Channel | 4.1 miles below Wilmette Pumping Station; 3.1 miles above North Side WRP outfall; water quality monitor under Main Street bridge, center of channel, one foot above bottom. |
| Devon Avenue | North Shore Channel | 1.2 miles below North Side WRP outfall; 0.1 mile above Devon Aeration Station; water quality monitor under Devon Avenue bridge, center of channel, one foot above bottom. |
| Lawrence Avenue | North Branch Chicago River | 3.5 miles below North Side WRP outfall; 0.4 miles below junction with North Shore Channel; 0.1 mile below Lawrence Avenue Pumping Station; water quality monitor on northwest side Lawrence Avenue bridge, three feet below water surface. |
| Addison Street | North Branch Chicago River | 5.2 miles below North Side WRP outfall; water quality monitor on northwest side Addison Street bridge, three feet below water surface. |
| Fullerton Avenue | North Branch Chicago River | 7.2 miles below North Side WRP outfall; 0.4 miles above Webster Aeration Station; water quality monitor on northwest side Fullerton Avenue bridge, three feet below water surface. |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 1 (Continued)

CONTINUOUS DISSOLVED OXYGEN MONITORING LOCATIONS

| Monitoring Location | Waterways | Description of Monitoring Location |
|---------------------|-------------------------------|---|
| Division Street | North Branch Chicago River | 8.8 miles below North Side WRP outfall; 1.4 miles below Webster Aeration Station; water quality monitor on northeast side Division Street bridge, three feet below water surface. |
| Kinzie Street | North Branch Chicago River | 9.9 miles below North Side WRP outfall; 0.1 mile above junction with Chicago River; water quality monitor on northeast side Kinzie Street bridge, three feet below water surface. |
| on Clark Street | Chicago River | 1.2 miles below Chicago River Controlling Works; 0.4 miles above junction with South Branch Chicago River; water quality monitor on southeast side Clark Street bridge, three feet below water surface. |
| Jackson Boulevard | South Branch Chicago River | 1.0 mile below junction with Chicago River; water quality monitor on northeast side of Jackson Boulevard bridge, three feet below water surface. |
| Loomis Street | South Branch Chicago River | 4.0 miles below junction with Chicago River; 0.4 miles below Fisk Generating Station discharge; water quality monitor on northeast side Loomis Street bridge, three feet below water surface. |
| Interstate 55 | Bubbly Creek | 1.0 mile below Racine Avenue Pumping Station; 0.4 miles above junction with South Branch Chicago River; water quality monitor on northeast side I-55 bridge, three feet below water surface. |
| Cicero Avenue | Chicago Sanitary & Ship Canal | 1.9 miles above Stickney WRP outfall; 1.0 mile below Crawford Generating Station cooling water discharge; water quality monitor on northeast side Cicero Avenue bridge, three feet below water surface. |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 1 (Continued)

CONTINUOUS DISSOLVED OXYGEN MONITORING LOCATIONS

| Monitoring Location | Waterways | Description of Monitoring Location |
|---------------------|-------------------------------|--|
| B&O Central RR | Chicago Sanitary & Ship Canal | 6.8 miles below Stickney WRP outfall; water quality monitor in center of canal, east side B&O RR bridge, three feet below water surface. |
| Route 83 | Chicago Sanitary & Ship Canal | 1.0 mile above junction with Calumet-Sag Channel; 0.8 miles above Canal Junction SEPA Station; water quality monitor 0.3 miles above Route 83 bridge, center of canal, one foot above bottom. |
| Mile 302.6 | Chicago Sanitary & Ship Canal | 1.2 miles below junction with Calumet-Sag Channel; 1.3 miles below Canal Junction SEPA Station; water quality monitor in center of canal, one foot above bottom. |
| Romeoville Road | Chicago Sanitary & Ship Canal | 7.1 miles below junction with Calumet-Sag Channel; 5.1 miles above Lockport Lock; water quality monitor on southeast side Romeoville Road bridge, three feet below water surface. |
| Lockport | Chicago Sanitary & Ship Canal | 0.1 mile above Lockport Powerhouse; 1.1 miles above junction with Des Plaines River; water quality monitor on north side of canal, in forebay area on fender wall, three feet below water surface. |
| Route 83 | Calumet-Sag Channel | 0.3 miles above junction with Chicago Sanitary & Ship Canal; 0.2 miles above Canal Junction SEPA Station; water quality monitor on southwest side Gulf, Mobile & Ohio RR bridge, three feet below water surface. |

MATERIALS AND METHODS

Water Quality Monitor

Monitoring at the 20 stations was initiated in August 1998 and continued through July 2000. DO monitoring will continue through 2003. Additional DO data will be reported in future reports. In the present study, DO was measured hourly using the YSI Model 6920 or Model 6600 continuous water quality monitor (monitor).

In order to protect and safeguard the monitors from marine navigation and vandalism, the monitors were deployed in the field in stainless steel pipes. Two different installation designs were employed: (1) a 3-foot stainless steel pipe was suspended approximately 1 foot off the bottom of the waterway and orientated downstream such that the water passed through the pipe, and (2) a 12- to 15-foot pipe with multiple 2-inch circular openings was vertically mounted on the side of a bridge abutment.

Servicing the monitors followed a weekly schedule. Industrial Waste Division (IWD) personnel retrieved each monitor from the field following seven days of continuous monitoring. Prior to retrieval, a water sample for DO analysis was collected next to the protective housing. An additional monitor

that had been previously calibrated and serviced in the laboratory was then deployed to replace the retrieved monitor. The retrieved monitors were returned to the laboratory for data downloading, exterior cleaning, servicing, and calibration of the DO sensors. The monitors were temporarily stored in holding tanks containing tap water for subsequent deployment during the following week.

Data Management and Review

Hourly DO data was directly exported electronically from individual monitors to a specially designed Access® database for data processing and storage. Following data downloading, the weekly DO data was carefully reviewed for accuracy. The review process included the following: (1) Comparing a grab sample DO value measured in the field with a DO value recorded by a retrieved monitor (DO rejection criteria = difference greater than 2.0 mg/L); (2) Comparing the last hourly DO value measured by a retrieved monitor with the first hourly DO value recorded by a deployed monitor (DO rejection criteria = difference greater than 2.0 mg/L); and (3) Comparing a DO value measured in a laboratory holding tank and a DO value recorded by a retrieved monitor (DO rejection criteria = difference greater than 1.0 mg/L).

After careful review of the DO data, weekly summary statistics (mean, minimum, maximum, and percent observations above DO standard) and individual line drawings for each monitoring station showing hourly DO values were prepared.

Verification of Representative Data

During the fall of 1998, spring, summer, and fall of 1999, and spring and summer of 2000, cross-sectional DO surveys were conducted in the Chicago Waterway System to determine if a fixed continuous monitoring location represented the DO concentration across the waterway. Verification was achieved by comparing the DO concentrations measured in grab samples at multiple fixed locations and depths across the waterway with the fixed monitor measurements.

RESULTS AND DISCUSSION

The number and percent of DO values rejected and removed from the Access database are summarized in Table 2. Based on the data review methodology previously described, eight percent of the data was rejected. The number of DO values rejected ranged from a low of 26 (<1 percent) at Addison Street on the North Branch of the Chicago River to a high of 4,284 (24 percent) at Simpson Street on the North Shore Channel.

The minimum, maximum, and mean DO concentrations measured at the 20 stations from August 1998 through July 2000 are shown in Table 3. The DO data in Table 3 does not include the DO values rejected during the data review.

The IPCB has assigned water uses for specific water bodies within the state of Illinois. All waters in Illinois are designated for General Use, except those selected as Secondary Contact and Indigenous Aquatic Life Waters (Secondary Contact).

In the Chicago and Calumet Waterway Systems, General Use Waters include the North Shore Channel from Lake Michigan to the North Side WRP, the Chicago River, and the Calumet River.

Secondary Contact Waters include the North Shore Channel from the North Side WRP to the North Branch of the Chicago

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 2

NUMBER AND PERCENT OF DISSOLVED OXYGEN VALUES REJECTED
DURING AUGUST 1998 THROUGH JULY 2000¹

| Monitoring Location | Waterway | Number of DO Values Rejected | Percent of DO Values Rejected |
|---------------------|-------------------------------|------------------------------|-------------------------------|
| Linden | North Shore Channel | 3,122 | 18 |
| Simpson | North Shore Channel | 4,284 | 24 |
| Main | North Shore Channel | 3,452 | 20 |
| Devon | North Shore Channel | 1,500 | 9 |
| Lawrence | North Branch Chicago River | 296 | 2 |
| Addison | North Branch Chicago River | 26 | <1 |
| Fullerton | North Branch Chicago River | 1,041 | 6 |
| Division | North Branch Chicago River | 767 | 4 |
| Kinzie | North Branch Chicago River | 368 | 2 |
| Clark | Chicago River | 355 | 2 |
| Jackson | South Branch Chicago River | 411 | 2 |
| Loomis | South Branch Chicago River | 1,369 | 8 |
| I-55 | Bubbly Creek | 1,953 | 11 |
| Cicero | Chicago Sanitary & Ship Canal | 1,284 | 7 |
| B&O RR | Chicago Sanitary & Ship Canal | 750 | 4 |
| Route 83 | Chicago Sanitary & Ship Canal | 3,006 | 17 |
| Mile 302.6 | Chicago Sanitary & Ship Canal | 2,038 | 12 |
| Romeoville | Chicago Sanitary & Ship Canal | 390 | 2 |
| Lockport | Chicago Sanitary & Ship Canal | 1,064 | 6 |
| Route 83 | Calumet-Sag Channel | 530 | 3 |

¹DO values were rejected based on quality control check and/or operational problems with monitor.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 3

MINIMUM, MAXIMUM, AND MEAN DISSOLVED OXYGEN VALUES
 MEASURED HOURLY IN THE CHICAGO WATERWAY SYSTEM
 DURING AUGUST 1998 THROUGH JULY 2000¹

| Monitoring Location | Waterway | DO Values (mg/L) | | |
|---------------------|-------------------------------|------------------|---------|------|
| | | Minimum | Maximum | Mean |
| Linden | North Shore Channel | 0.0 | 16.2 | 4.0 |
| Simpson | North Shore Channel | 0.0 | 15.0 | 3.8 |
| Main | North Shore Channel | 0.0 | 32.7 | 7.9 |
| Devon | North Shore Channel | 1.9 | 11.5 | 7.2 |
| Lawrence | North Branch Chicago River | 1.7 | 11.9 | 7.2 |
| Addison | North Branch Chicago River | 0.7 | 11.0 | 6.7 |
| Fullerton | North Branch Chicago River | 0.1 | 10.9 | 5.9 |
| Division | North Branch Chicago River | 0.3 | 10.5 | 6.4 |
| Kinzie | North Branch Chicago River | 0.2 | 10.8 | 6.2 |
| Clark | Chicago River | 2.5 | 12.8 | 7.8 |
| Jackson | South Branch Chicago River | 0.8 | 13.3 | 6.3 |
| Loomis | South Branch Chicago River | 0.4 | 12.6 | 6.6 |
| I-55 | Bubbly Creek | 0.0 | 18.7 | 4.2 |
| Cicero | Chicago Sanitary & Ship Canal | 0.0 | 9.5 | 5.5 |
| B&O RR | Chicago Sanitary & Ship Canal | 0.0 | 9.9 | 6.4 |
| Route 83 | Chicago Sanitary & Ship Canal | 0.2 | 10.4 | 5.6 |
| Mile 302.6 | Chicago Sanitary & Ship Canal | 1.4 | 10.1 | 5.9 |
| Romeoville | Chicago Sanitary & Ship Canal | 1.0 | 10.2 | 5.4 |
| Lockport | Chicago Sanitary & Ship Canal | 1.2 | 10.0 | 5.2 |
| Route 83 | Calumet-Sag Channel | 1.1 | 11.5 | 6.1 |

¹Dissolved oxygen was measured hourly using a YSI model 6920 or model 6600 continuous water quality monitor.

River, the North Branch of the Chicago River from the North Shore Channel to the Chicago River, the South Branch of the Chicago River, Bubbly Creek, the Chicago Sanitary and Ship Canal, the Grand Calumet River, the deep-draft portion of the Little Calumet River, and the Calumet-Sag Channel.

The IPCB has established water quality standards for DO in both General Use and Secondary Contact Waters. In General Use Waters, the DO shall not be less than 6.0 mg/L during 16 hours of any 24-hour period, nor less than 5.0 mg/L at any time. In Secondary Contact Waters, the DO shall not be less than 4.0 mg/L at any time except in the Calumet-Sag Channel where the DO shall not be less than 3.0 mg/L at any time. For this report, we have selected the 5.0 mg/L DO standard as the regulatory limit for General Use Waters.

The number and percent of DO values above the applicable IPCB DO standard for the subject waterways are presented in Table 4. The DO data shown in Table 4 does not include the DO values rejected during the data review.

Table 5 shows the percent distribution of DO values in selected ranges at the 20 monitoring stations using a 3.0 mg/L DO concentration as the minimum allowable DO concentration that avoids acute mortality to most warm water fish. It should be noted that only five stations (Linden, Simpson,

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 4

NUMBER AND PERCENT OF DISSOLVED OXYGEN VALUES ABOVE THE ILLINOIS POLLUTION CONTROL BOARD'S WATER QUALITY STANDARD IN THE CHICAGO WATERWAY SYSTEM DURING AUGUST 1998 THROUGH JULY 2000¹

| Monitoring Location | Waterway | IPCB DO Standard | Number of DO Values | Number of DO Values Above Standard | Percent of DO Values Above Standard |
|---------------------|----------------------------|------------------|---------------------|------------------------------------|-------------------------------------|
| Linden | North Shore Channel | 5.0 | 14,350 | 5,934 | 41 |
| Simpson | North Shore Channel | 5.0 | 13,188 | 5,158 | 39 |
| Main | North Shore Channel | 5.0 | 14,020 | 9,672 | 69 |
| Devon | North Shore Channel | 4.0 | 15,972 | 15,962 | >99 |
| Lawrence | North Branch Chicago River | 4.0 | 17,176 | 17,136 | >99 |
| Addison | North Branch Chicago River | 4.0 | 17,446 | 17,413 | >99 |
| Fullerton | North Branch Chicago River | 4.0 | 16,431 | 15,766 | 96 |
| Division | North Branch Chicago River | 4.0 | 16,705 | 16,500 | 99 |
| Kinzie | North Branch Chicago River | 4.0 | 17,104 | 16,683 | 98 |
| Clark | Chicago River | 5.0 | 17,117 | 16,678 | 97 |
| Jackson | South Branch Chicago River | 4.0 | 17,061 | 16,690 | 98 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 4 (Continued)

NUMBER AND PERCENT OF DISSOLVED OXYGEN VALUES ABOVE THE ILLINOIS POLLUTION CONTROL BOARD'S WATER QUALITY STANDARD IN THE CHICAGO WATERWAY SYSTEM DURING AUGUST 1998 THROUGH JULY 2000¹

| Monitoring Location | Waterway | IPCB DO Standard | Number of DO Values | Number of DO Values Above Standard | Percent of DO Values Above Standard |
|---------------------|-------------------------------|------------------|---------------------|------------------------------------|-------------------------------------|
| Loomis | South Branch Chicago River | 4.0 | 16,103 | 15,777 | 98 |
| I-55 | Bubbly Creek | 4.0 | 15,519 | 8,250 | 53 |
| Cicero | Chicago Sanitary & Ship Canal | 4.0 | 16,188 | 13,762 | 85 |
| B&O RR | Chicago Sanitary & Ship Canal | 4.0 | 16,722 | 16,116 | 96 |
| Route 83 | Chicago Sanitary & Ship Canal | 4.0 | 14,466 | 12,815 | 89 |
| Mile 302.6 | Chicago Sanitary & Ship Canal | 4.0 | 15,434 | 14,417 | 93 |
| Romeoville | Chicago Sanitary & Ship Canal | 4.0 | 17,082 | 13,550 | 79 |
| Lockport | Chicago Sanitary & Ship Canal | 4.0 | 16,408 | 12,428 | 76 |
| Route 83 | Calumet-Sag Channel | 3.0 | 16,942 | 16,770 | 99 |

¹Dissolved oxygen was measured hourly using a YSI model 6920 or model 6600 continuous water quality monitor.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 5

PERCENT OF DISSOLVED OXYGEN (DO) VALUES IN SELECTED RANGES
IN THE CHICAGO WATERWAY SYSTEM DURING
AUGUST 1998 THROUGH JULY 2000

| Monitoring Location | Waterway | Percent of DO Values in Range (mg/L) | | | | | |
|---------------------|-------------------------------|--------------------------------------|-----|-----|-----|-----|----|
| | | <1 | 1-2 | 2-3 | 3-4 | 4-5 | ≥5 |
| Linden | North Shore Channel | 36 | 9 | 5 | 5 | 4 | 41 |
| Simpson | North Shore Channel | 31 | 9 | 8 | 6 | 7 | 39 |
| Main | North Shore Channel | 10 | 4 | 5 | 5 | 6 | 70 |
| Devon | North Shore Channel | 0 | <1 | <1 | <1 | 1 | 99 |
| Lawrence | North Branch Chicago River | 0 | <1 | <1 | <1 | 1 | 99 |
| Addison | North Branch Chicago River | <1 | <1 | <1 | <1 | 2 | 98 |
| Fullerton | North Branch Chicago River | <1 | <1 | <1 | 3 | 20 | 77 |
| Division | North Branch Chicago River | <1 | <1 | <1 | 1 | 8 | 91 |
| Kinzie | North Branch Chicago River | <1 | <1 | <1 | 1 | 12 | 86 |
| Clark | Chicago River | 0 | 0 | <1 | <1 | 2 | 97 |
| Jackson | South Branch Chicago River | <1 | <1 | <1 | 2 | 8 | 90 |
| Loomis | South Branch Chicago River | <1 | <1 | <1 | 1 | 5 | 93 |
| I-55 | Bubbly Creek | 18 | 10 | 9 | 10 | 11 | 42 |
| Cicero | Chicago Sanitary & Ship Canal | 1 | 1 | 4 | 8 | 19 | 66 |
| B&O RR | Chicago Sanitary & Ship Canal | <1 | <1 | <1 | 2 | 11 | 87 |
| Route 83 | Chicago Sanitary & Ship Canal | <1 | <1 | 2 | 7 | 26 | 64 |
| Mile 302.6 | Chicago Sanitary & Ship Canal | 0 | <1 | <1 | 5 | 23 | 71 |
| Romeoville | Chicago Sanitary & Ship Canal | 0 | <1 | 3 | 17 | 26 | 54 |
| Lockport | Chicago Sanitary & Ship Canal | 0 | 1 | 4 | 19 | 28 | 48 |
| Route 83 | Calumet-Sag Channel | 0 | 0 | 1 | 11 | 20 | 69 |

Main, I-55, and Cicero) had more than five percent of their total DO values below 3.0 mg/L.

Weekly DO summary statistics for the two-year monitoring period at the 20 stations is presented in Appendices AI-1 through AI-20.

North Shore Channel

LINDEN STREET

The maximum DO value recorded at Linden Street on the North Shore Channel from August 1998 through July 2000 was 16.2 mg/L. The minimum DO value was 0.0 mg/L. During the twenty-four month period, the mean DO concentration was 4.0 mg/L at Linden Street.

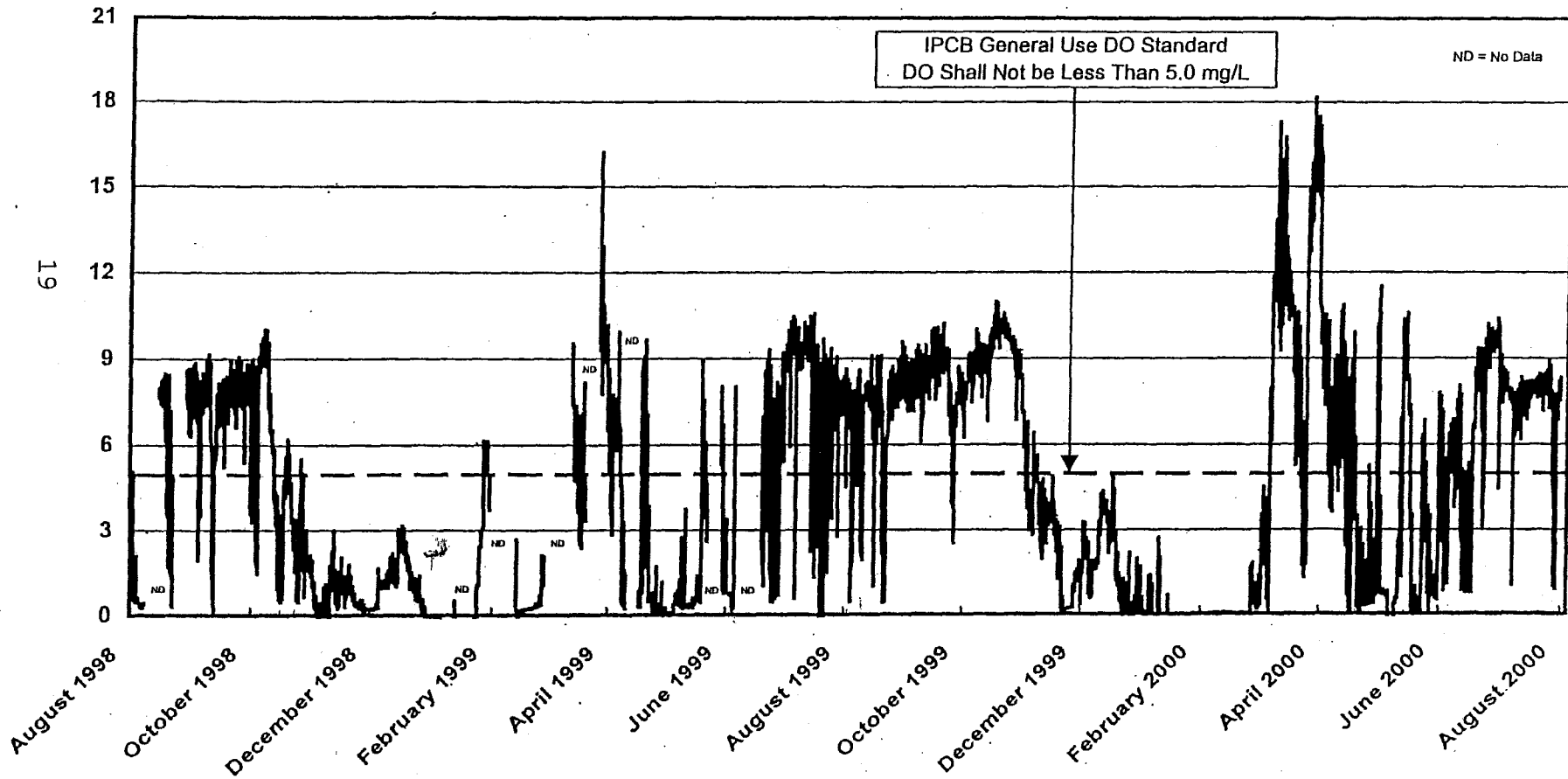
The IPCB requires that the DO concentration in those portions of the North Shore Channel classified as General Use Waters shall not be less than 5.0 mg/L at any time. From August 1998 through July 2000, 5,934 of 14,350 DO values at Linden Street (41 percent) were above the IPCB General Use DO standard.

During the two-year monitoring period, DO measurements below the 5.0 mg/L standard occurred in all months (Figure 2). Fifty percent of the DO values recorded at Linden Street were below 3.0 mg/L (Table 5).

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 2

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT LINDEN STREET ON THE NORTH SHORE CHANNEL
FROM AUGUST 1998 THROUGH JULY 2000



SIMPSON STREET

From August 1998 through July 2000, the DO concentration measured at Simpson Street on the North Shore Channel ranged from a low of 0.0 mg/L to a high of 15.0 mg/L. The mean DO value at Simpson Street was 3.8 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Simpson Street on the North Shore Channel is 5.0 mg/L. From August 1998 through July 2000, 5,158 of 13,188 DO observations at Simpson Street (39 percent) were above the IPCB General Use DO standard.

During the two-year monitoring period, DO measurements below the 5.0 mg/L standard occurred in all months except for April 2000 (Figure 3). Forty-eight percent of the DO values recorded at Simpson Street were below 3.0 mg/L (Table 5).

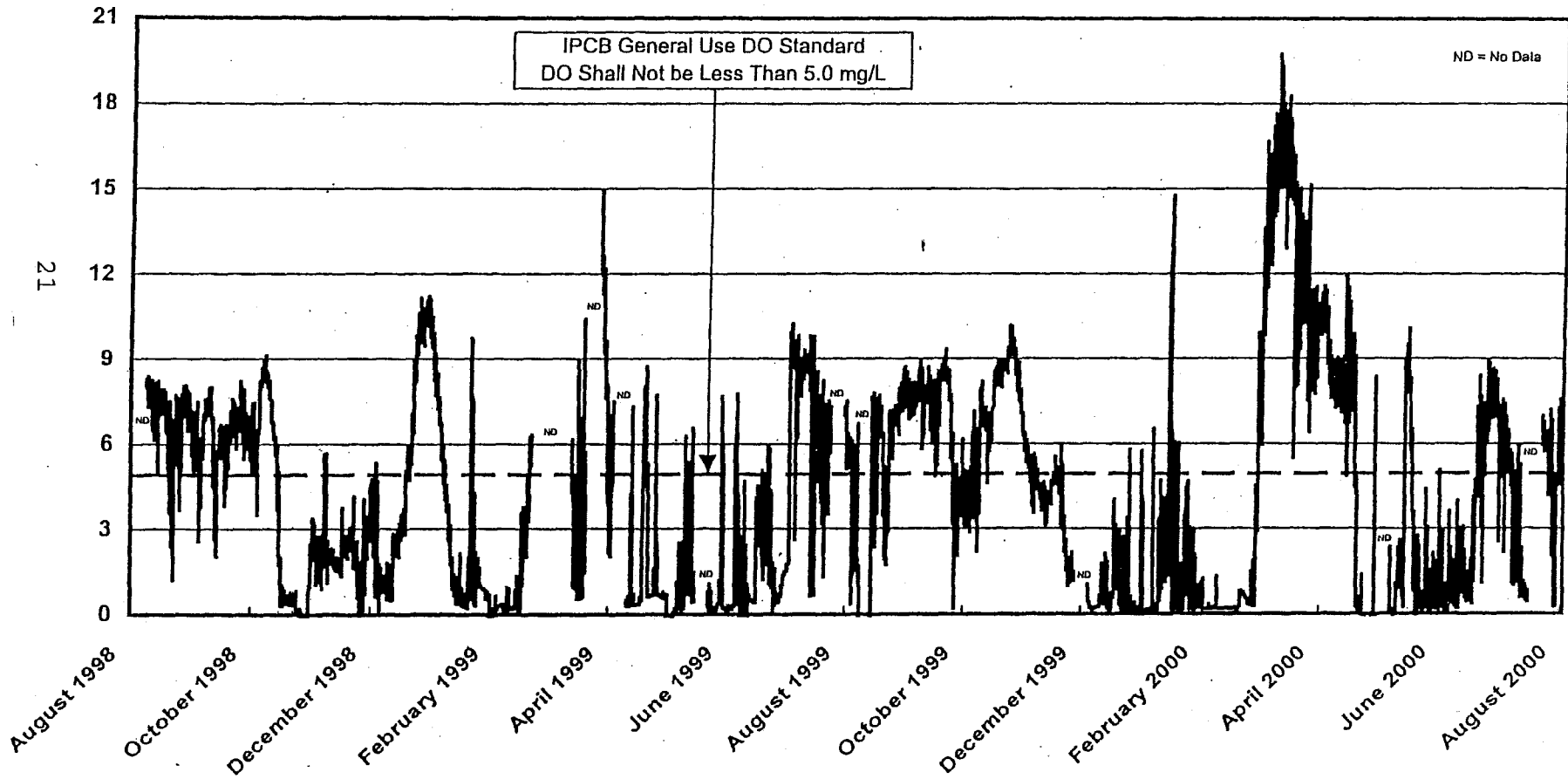
MAIN STREET

The maximum DO value recorded at Main Street on the North Shore Channel from August 1998 through July 2000 was 32.7 mg/L. The supersaturated DO value was measured during the day when sunlight was available for photosynthesis. The high DO resulted from the synthesis of organic matter by algae (primary production). The minimum DO value was 0.0 mg/L. During the twenty-four month period, the mean DO concentration was 7.9 mg/L at Main Street.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 3

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT SIMPSON STREET ON THE NORTH SHORE CHANNEL
FROM AUGUST 1998 THROUGH JULY 2000



The IPCB requires that the DO concentration in those portions of the North Shore Channel classified as General Use Waters shall not be less than 5.0 mg/L at any time. From August 1998 through July 2000, 9,672 of 14,020 DO values at Main Street (69 percent) were above the IPCB General Use DO standard.

During the two-year monitoring period, DO measurements below the 5.0 mg/L standard occurred in all months except for November 1998, February 1999, January 2000, March 2000, and April 2000 (Figure 4). Nineteen percent of the DO values recorded at Main Street were below 3.0 mg/L (Table 5).

DEVON AVENUE

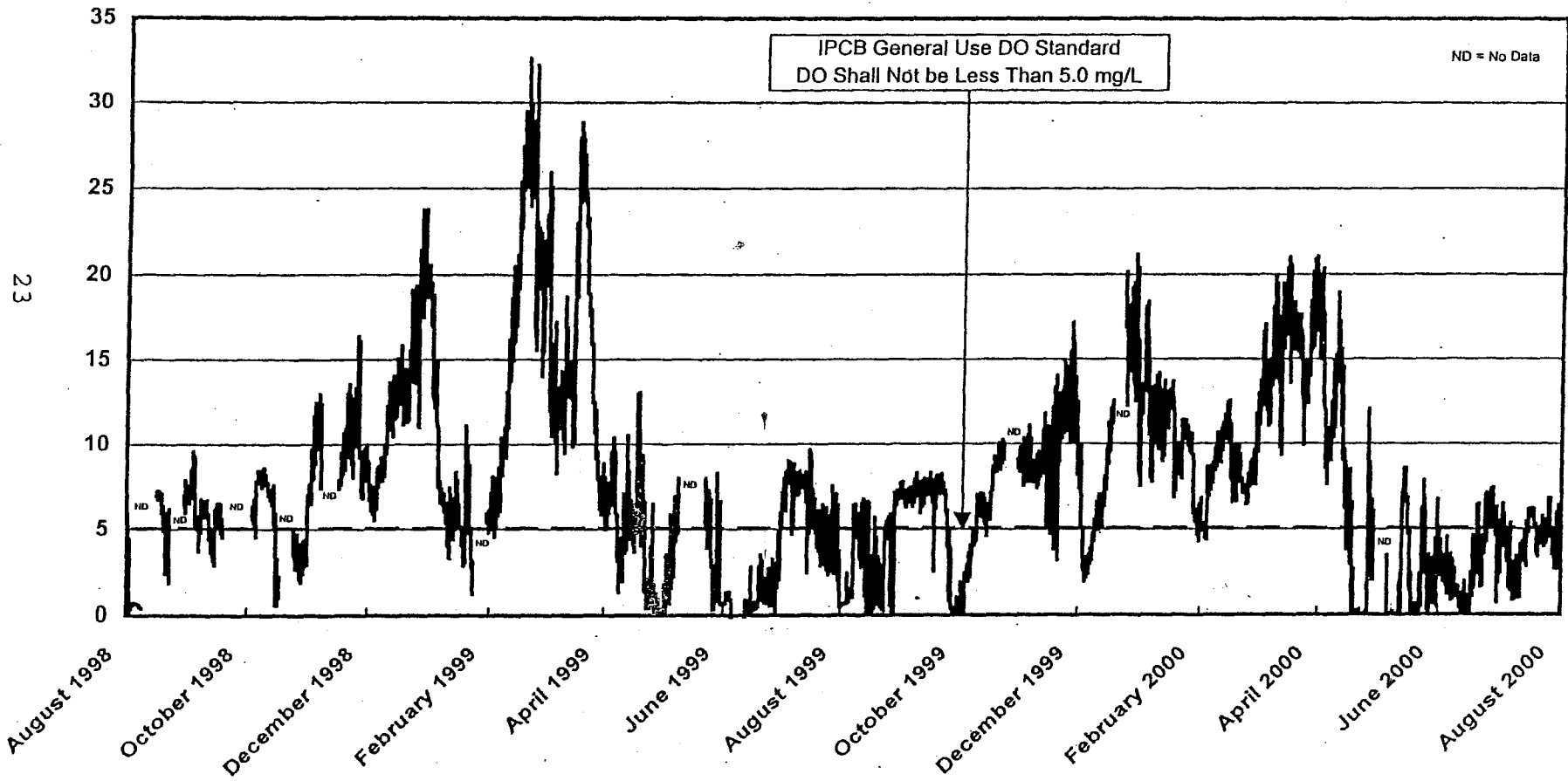
From August 1998 through July 2000, the DO concentration measured at Devon Avenue on the North Shore Channel ranged from a low of 1.9 mg/L to a high of 11.5 mg/L. The mean value at Devon Avenue was 7.2 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Devon Avenue on the North Shore Channel is 4.0 mg/L. From August 1998 through July 2000, 15,962 of 15,972 DO observations at Devon Avenue (>99 percent) were above the IPCB Secondary Contact DO standard.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 4

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT MAIN STREET ON THE NORTH SHORE CHANNEL
FROM AUGUST 1998 THROUGH JULY 2000



During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in January 1999, June 1999, November 1999, January 2000, June 2000, and July 2000 (Figure 5). Less than one percent of the DO values recorded at Devon Avenue were below 3.0 mg/L (Table 5).

North Branch of the Chicago River

LAWRENCE AVENUE

The maximum DO value recorded at Lawrence Avenue on the North Branch of the Chicago River from August 1998 through July 2000 was 11.9 mg./L. The minimum DO value was 1.7 mg/L. During the twenty-four month period, the mean DO concentration was 7.2 mg/L at Lawrence Avenue.

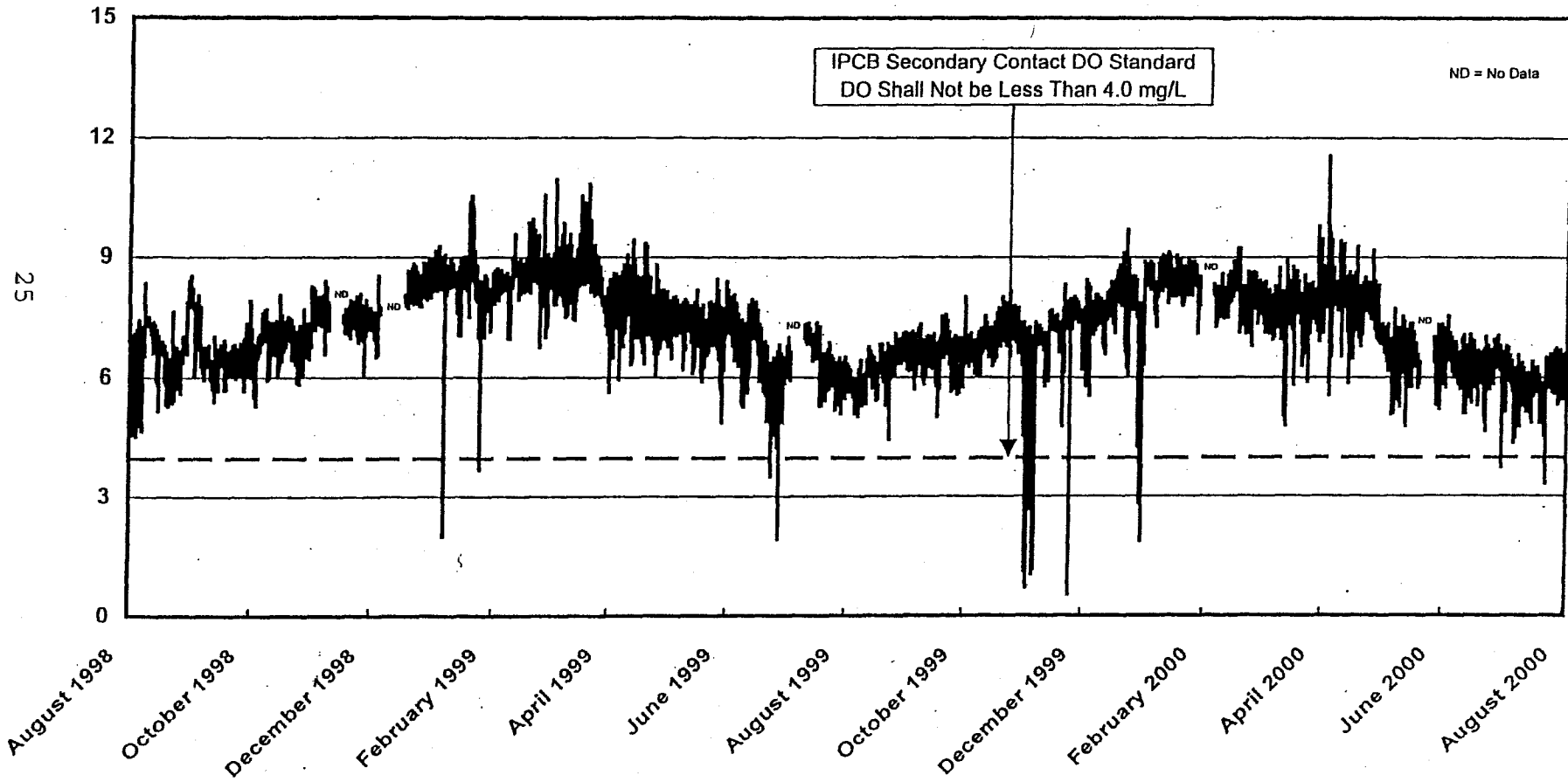
The IPCB requires that the DO concentration in those portions of the North Branch of the Chicago River classified as Secondary Contact Waters shall not be less than 4.0 mg/L at any time. From August 1998 through July 2000, 17,136 of 17,176 DO values at Lawrence Avenue (>99 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in May through July 1999 and May 2000 (Figure 6). Less than one percent of the DO values recorded at Lawrence Avenue were below 3.0 mg/L (Table 5).

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 5

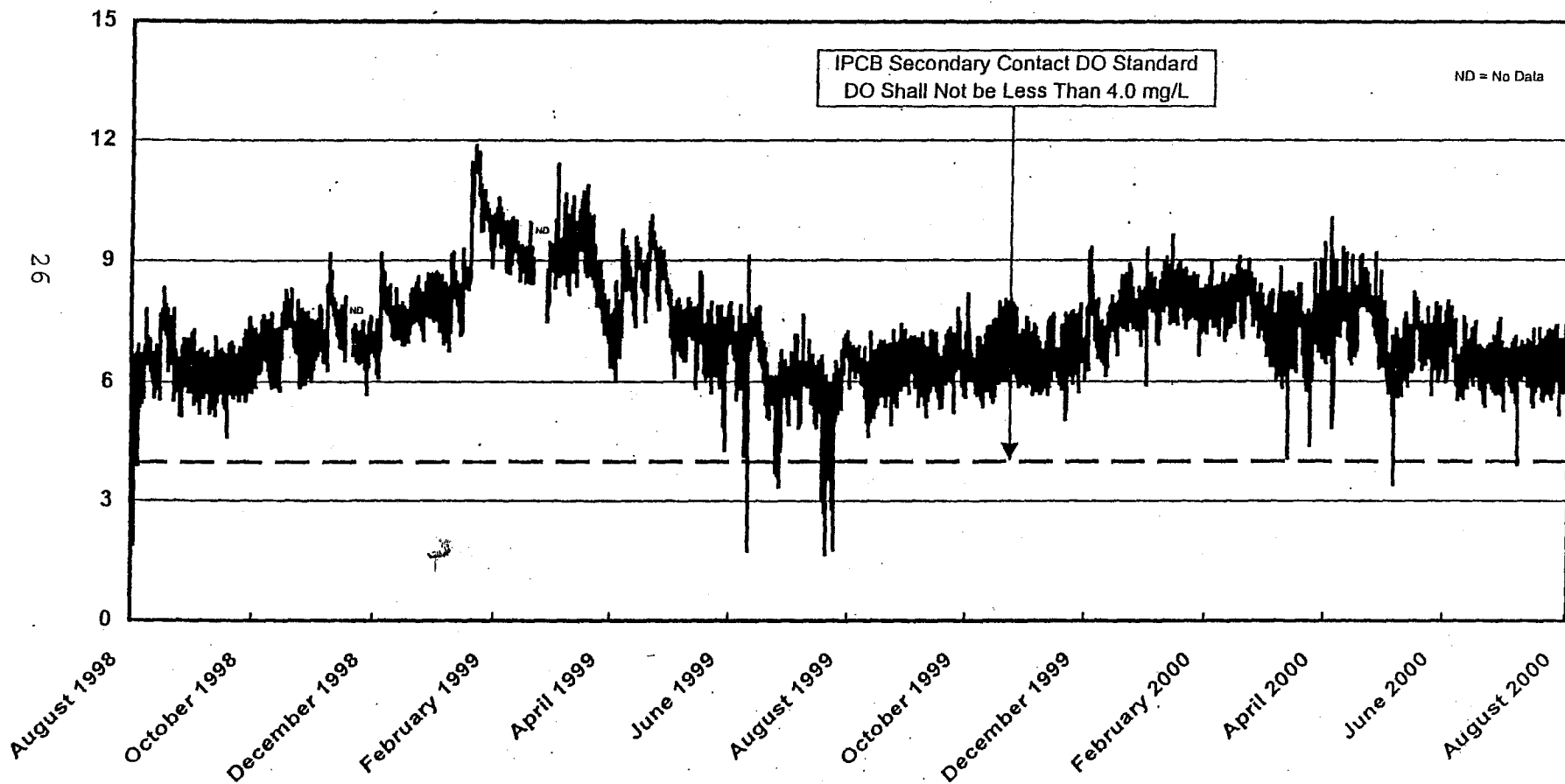
DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT DEVON AVENUE ON THE NORTH SHORE CHANNEL
FROM AUGUST 1998 THROUGH JULY 2000



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 6

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT LAWRENCE AVENUE ON THE NORTH BRANCH OF THE CHICAGO RIVER
FROM AUGUST 1998 THROUGH JULY 2000



ADDISON STREET

From August 1998 through July 2000, the DO concentration measured at Addison Street on the North Branch of the Chicago River ranged from a low of 0.7 mg/L to a high of 11.0 mg/L. The mean DO value at Addison Street was 6.7 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Addison Street on the North Branch of the Chicago River is 4.0 mg/L. From August 1998 through July 2000, 17,413 of 17,446 DO observations at Addison Street (>99 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in August 1998, October 1998, May 1999, July 1999, March 2000, and May through July 2000 (Figure 7). One percent of the DO values recorded at Addison Street were below 3.0 mg/L (Table 5).

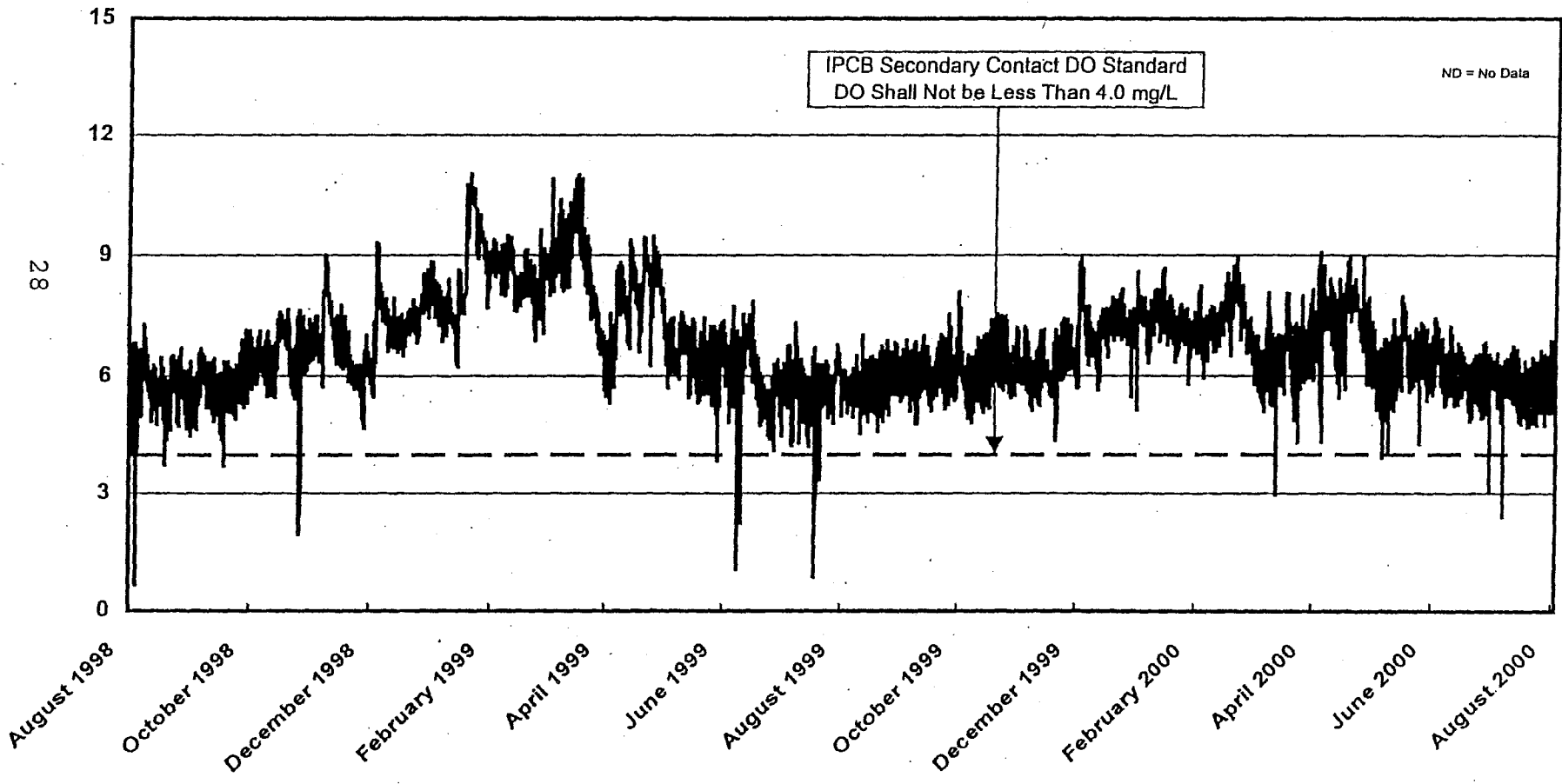
FULLERTON AVENUE

The maximum DO value recorded at Fullerton Avenue on the North Branch of the Chicago River from August 1998 through July 2000 was 10.9 mg/L. The minimum DO value was 0.1 mg/L. During the twenty-four month period, the mean DO concentration was 5.9 mg/L at Fullerton Avenue.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 7

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT ADDISON STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
FROM AUGUST 1998 THROUGH JULY 2000



The IPCB requires that the DO concentration in those portions of the North Branch of the Chicago River classified as Secondary Contact Waters shall not be less than 4.0 mg/L at any time. From August 1998 through July 2000, 15,766 of 16,431 DO values at Fullerton Avenue (96 percent) were above the IPCB Secondary Contact DO standard.

DO measurements below the 4.0 mg/L standard occurred in August 1998, October 1998, May through July 1999, and March through July 2000, (Figure 8). One percent of the DO values recorded at Fullerton Avenue were below 3.0 mg/L (Table 5).

DIVISION STREET

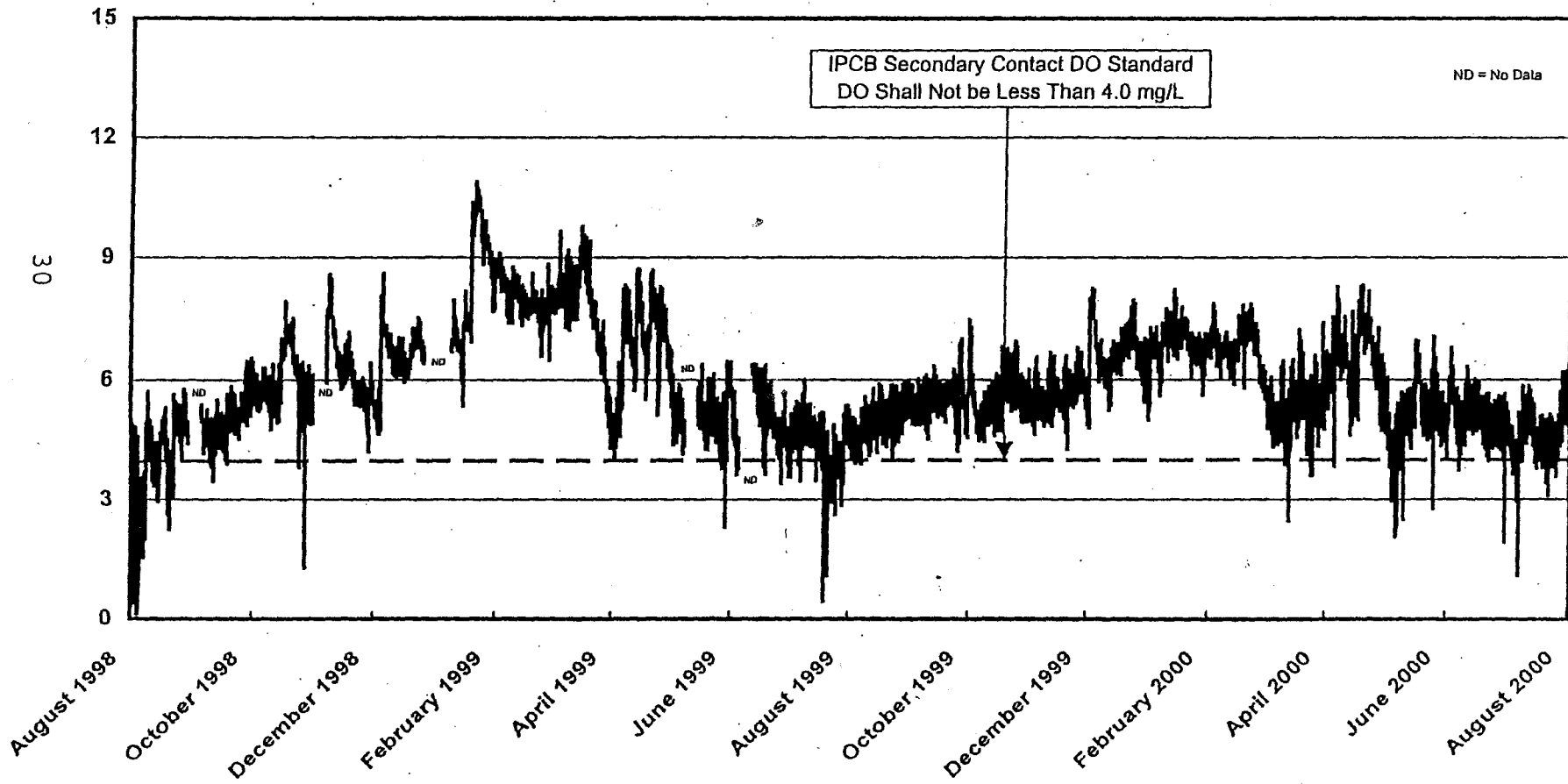
From August 1998 through July 2000, the DO concentration measured at Division Street on the North Branch of the Chicago River ranged from a low of 0.3 mg/L to a high of 10.5 mg/L. The mean DO value at Division Street was 6.4 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Division Street on the North Branch of the Chicago River is 4.0 mg/L. From August 1998 through July 2000, 16,500 of 16,705 DO observations at Division Street (99 percent) were above the Secondary Contact DO standard.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 8

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT FULLERTON AVENUE ON THE NORTH BRANCH OF THE CHICAGO RIVER
FROM AUGUST 1998 THROUGH JULY 2000



DO measurements below the 4.0 mg/L standard occurred in August through October 1998, May through August 1999, and April through July 2000 (Figure 9). One percent of the DO values recorded at Division Street were below 3.0 mg/L (Table 5).

KINZIE STREET

The maximum DO value recorded at Kinzie Street on the North Branch of the Chicago River from August 1998 through July 2000 was 10.8 mg/L. The minimum DO value was 0.2 mg/L. During the twenty-four month period, the mean DO concentration was 6.2 mg/L at Kinzie Street.

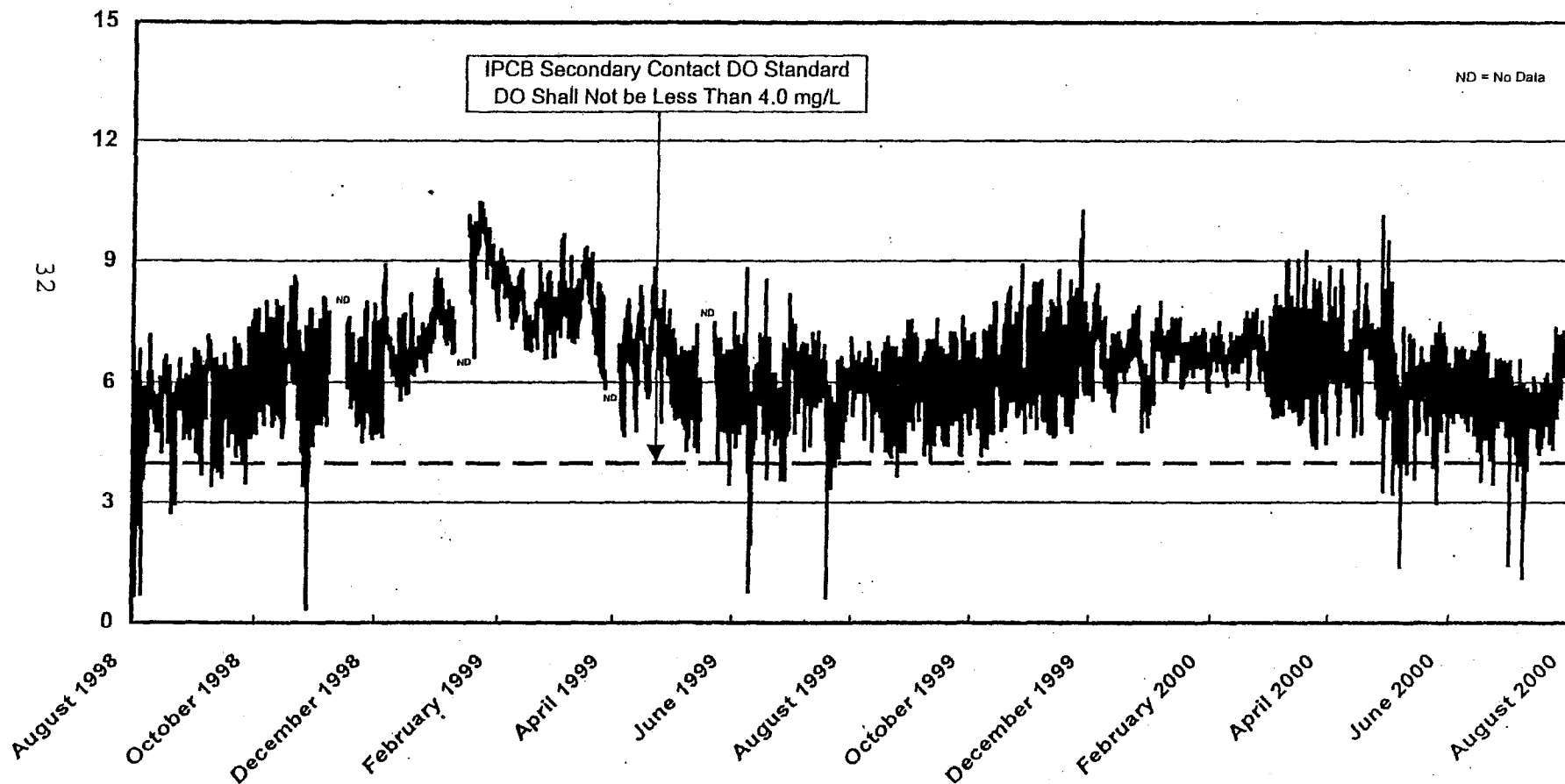
The IPCB requires that the DO concentration in those portions of the North Branch of the Chicago River classified as Secondary Contact Waters shall not be less than 4.0 mg/L at any time. From August 1998 through July 2000, 16,683 of 17,104 DO values at Kinzie Street (98 percent) were above the IPCB Secondary Contact DO standard.

DO measurements below the 4.0 mg/L standard occurred in August through October 1998, May through July 1999, September 1999, and May through July 2000 (Figure 10). One percent of the DO values recorded at Kinzie Street were below 3.0 mg/L (Table 5).

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 9

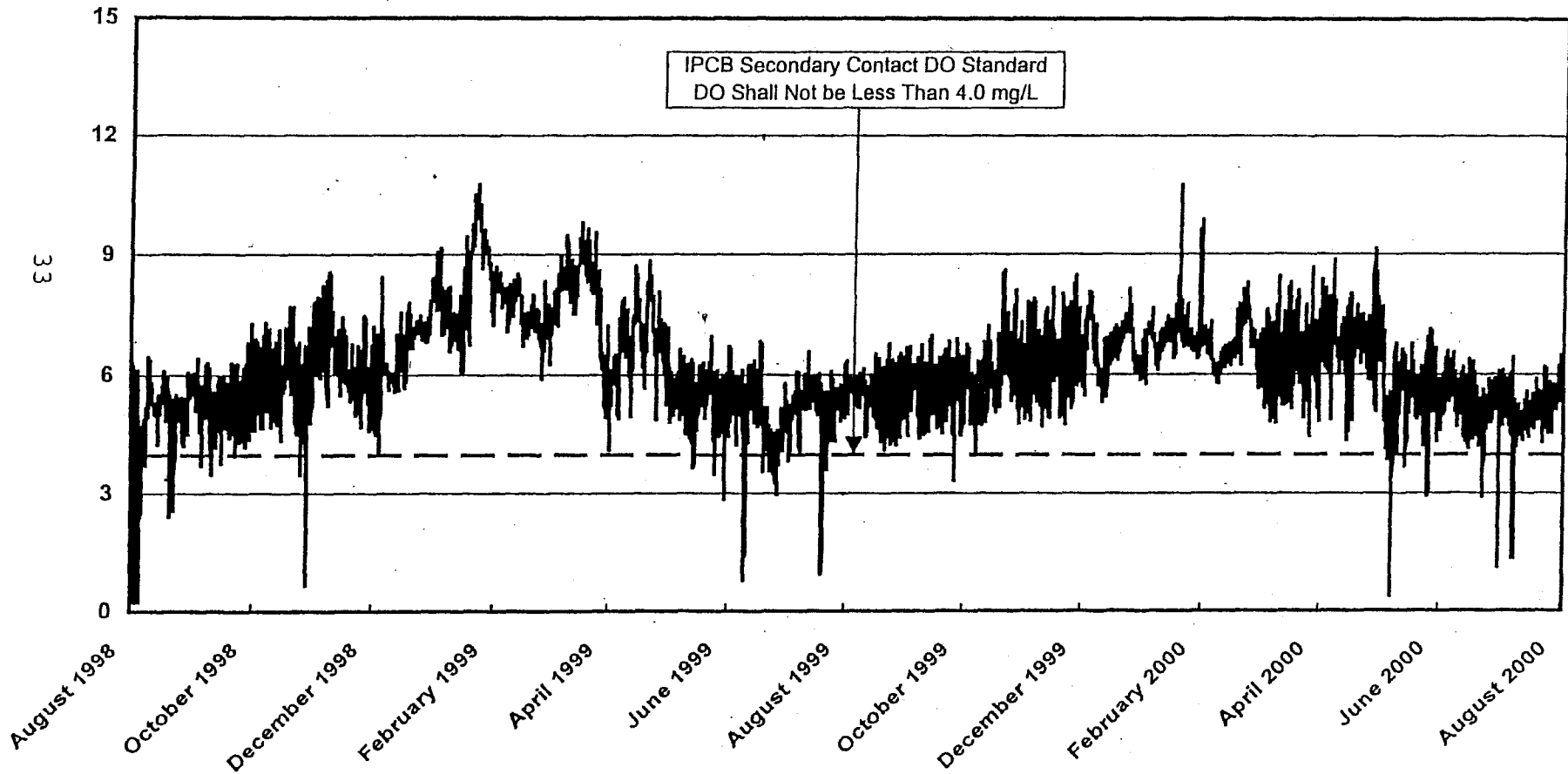
DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT DIVISION STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
FROM AUGUST 1998 THROUGH JULY 2000



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 10

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT KINZIE STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
FROM AUGUST 1998 THROUGH JULY 2000



Chicago River

CLARK STREET

From August 1998 through July 2000, the DO concentration measured at Clark Street on the Chicago River ranged from a low of 2.5 mg/L to a high of 12.8 mg/L. The mean DO value at Clark Street was 7.8 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Clark Street on the Chicago River is 5.0 mg/L. From August 1998 through July 2000, 16,678 of 17,117 DO observations at Clark Street (>97 percent) were above the IPCB General Use DO standard.

During the two-year monitoring period, DO measurements below the 5.0 mg/L standard occurred in October 1998, June 1999, and March through June 2000 (Figure 11). One percent of the DO values recorded at Clark Street were below 3.0 mg/L (Table 5).

South Branch of the Chicago River

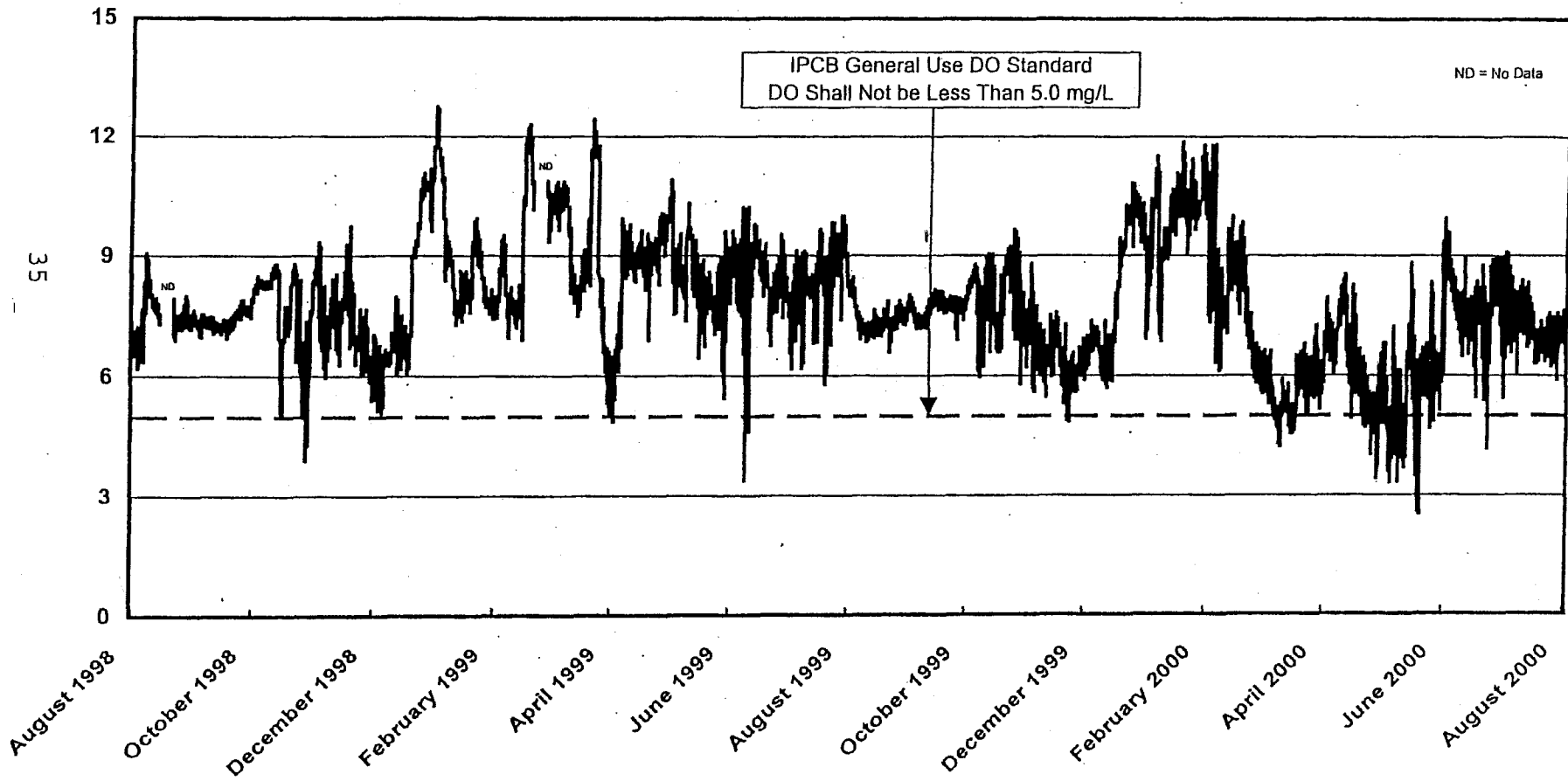
JACKSON BOULEVARD

The maximum DO value recorded at Jackson Boulevard on the South Branch of the Chicago River from August 1998 through July 2000 was 13.3 mg/L. The minimum DO value was 0.8 mg/L. During the twenty-four month period, the mean DO concentration was 6.3 mg/L at Jackson Boulevard.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 11

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT CLARK STREET ON THE CHICAGO RIVER
FROM AUGUST 1998 THROUGH JULY 2000



The IPCB requires that the DO concentration in the South Branch of the Chicago River shall not be less than 4.0 mg/L at any time. From August 1998 through July 2000, 16,690 of 17,061 DO values at Jackson Boulevard (98 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in August 1998, October 1998, May through July 1999, September 1999, and March through July 2000 (Figure 12). One percent of the DO values recorded at Jackson Boulevard were below 3.0 mg/L (Table 5).

LOOMIS STREET

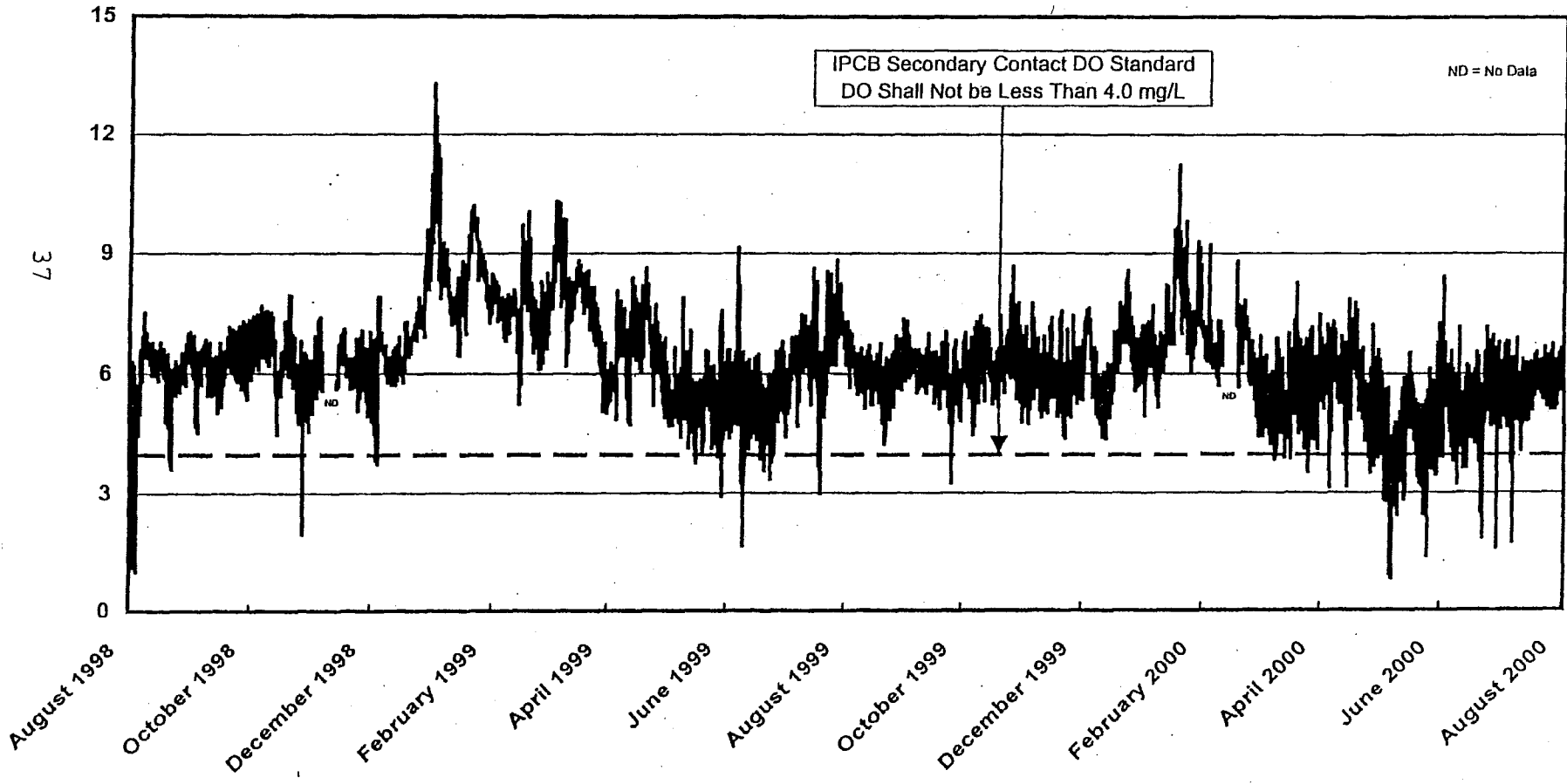
From August 1998 through July 2000, the DO concentration measured at Loomis Street on the South Branch of the Chicago River ranged from a low of 0.4 mg/L to a high of 12.6 mg/L. The mean DO value at Loomis Street was 6.6 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Loomis Street on the South Branch of the Chicago River is 4.0 mg/L. From August 1998 through July 2000, 15,777 of 16,103 DO observations at Loomis Street (98 percent) were above the IPCB Secondary Contact DO standard.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 12

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT JACKSON BOULEVARD ON THE SOUTH BRANCH OF THE CHICAGO RIVER
FROM AUGUST 1998 THROUGH JULY 2000



37

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in August 1998, October and November 1998, January 1999, May and June 1999, September 1999, and April through July 2000 (Figure 13). One percent of the DO values recorded at Loomis Street were below 3.0 mg/L (Table 5).

Bubbly Creek

INTERSTATE HIGHWAY 55 (I-55)

The maximum DO value recorded at I-55 on Bubbly Creek from August 1998 through July 2000 was 18.7 mg/L. The high DO value resulted from photosynthesis. The minimum DO value was 0.0 mg/L. During the twenty-four month period, the mean DO concentration was 4.2 mg/L at I-55.

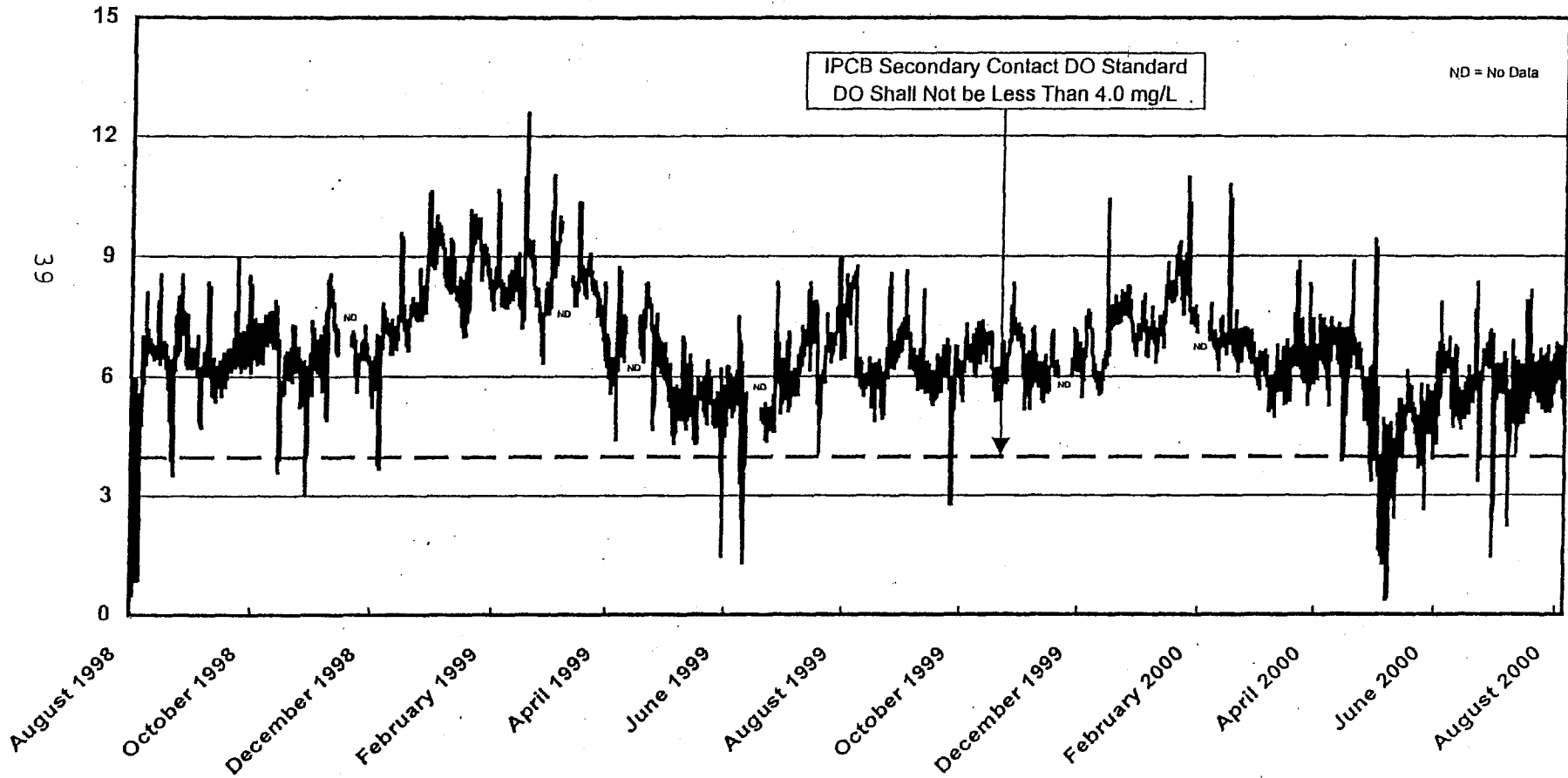
The IPCB requires that the DO concentration in Bubbly Creek shall not be less than 4.0 mg/L at any time. From August 1998 through July 2000, 8,250 of 15,519 DO values at I-55 (53 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in every month except February through March 1999 and February through March 2000

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 13

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT LOOMIS STREET ON THE SOUTH BRANCH OF THE CHICAGO RIVER
FROM AUGUST 1998 THROUGH JULY 2000



(Figure 14). Thirty-seven percent of the DO values recorded at I-55 were below 3.0 mg/L (Table 5).

Chicago Sanitary and Ship Canal

CICERO AVENUE

From August 1998 through July 2000, the DO concentration measured at Cicero Avenue on the Chicago Sanitary and Ship Canal ranged from a low of 0.0 mg/L to a high of 9.5 mg/L. The mean DO value at Cicero Avenue was 5.5 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Cicero Avenue on the Chicago Sanitary and Ship Canal is 4.0 mg/L. From August 1998 through July 2000, 13,762 of 16,188 DO observations at Cicero Avenue (85 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in every month except January through March 1999 and December 1999 through February 2000 (Figure 15). Six percent of the DO values recorded at Cicero Avenue were below 3.0 mg/L (Table 5).

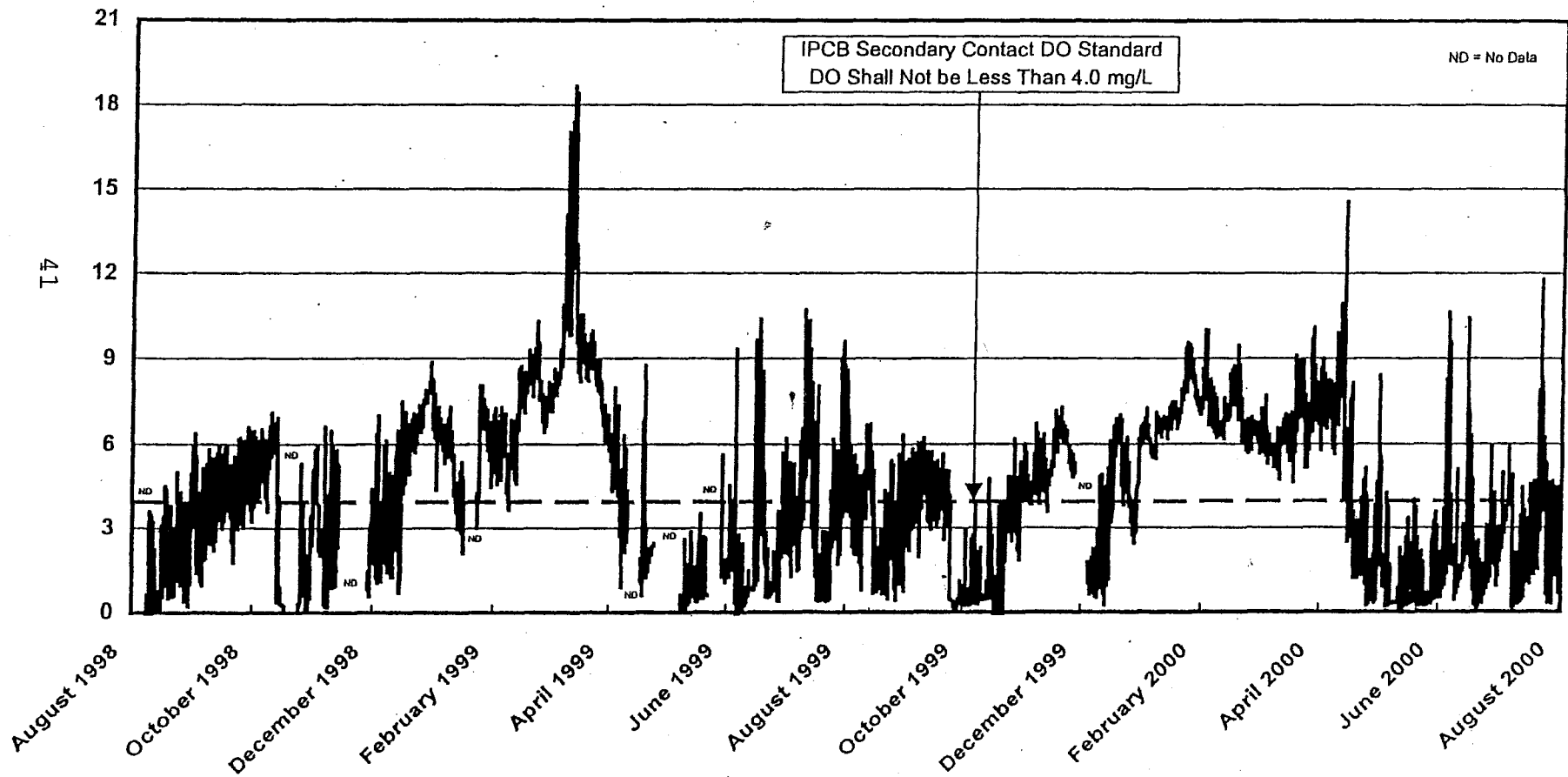
B&O CENTRAL RAILROAD

The maximum DO value recorded at B&O Central Railroad on the Chicago Sanitary and Ship Canal from August 1998 through

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 14

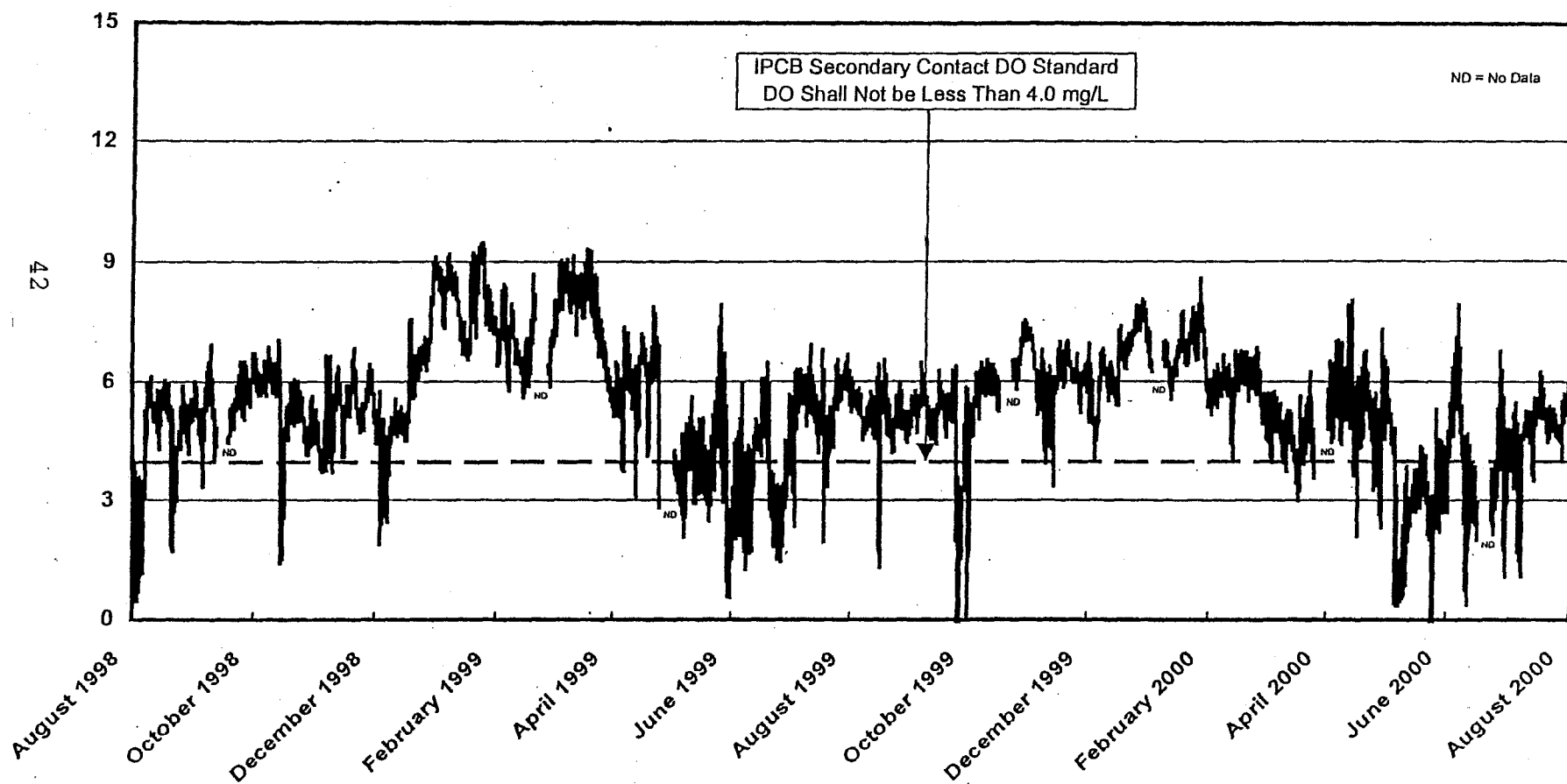
DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT INTERSTATE HIGHWAY 55 ON BUBBLY CREEK
FROM AUGUST 1998 THROUGH JULY 2000



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 15

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT CICERO AVENUE ON THE CHICAGO SANITARY & SHIP CANAL
FROM AUGUST 1998 THROUGH JULY 2000



July 2000 was 9.9 mg/L. The minimum DO value was 0.0 mg/L. During the twenty-four month period, the mean DO concentration was 6.4 mg/L at B&O Central Railroad.

The IPCB requires that the DO concentration in the Chicago Sanitary and Ship Canal shall not be less than 4.0 mg/L at any time. From August 1998 through July 2000, 16,166 of 16,722 DO values at B&O Central Railroad (96 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in August 1998, October 1998, April through September 1999, and May through July 2000 (Figure 16). One percent of the DO values recorded at B&O Central Railroad were below 3.0 mg/L (Table 5).

ROUTE 83

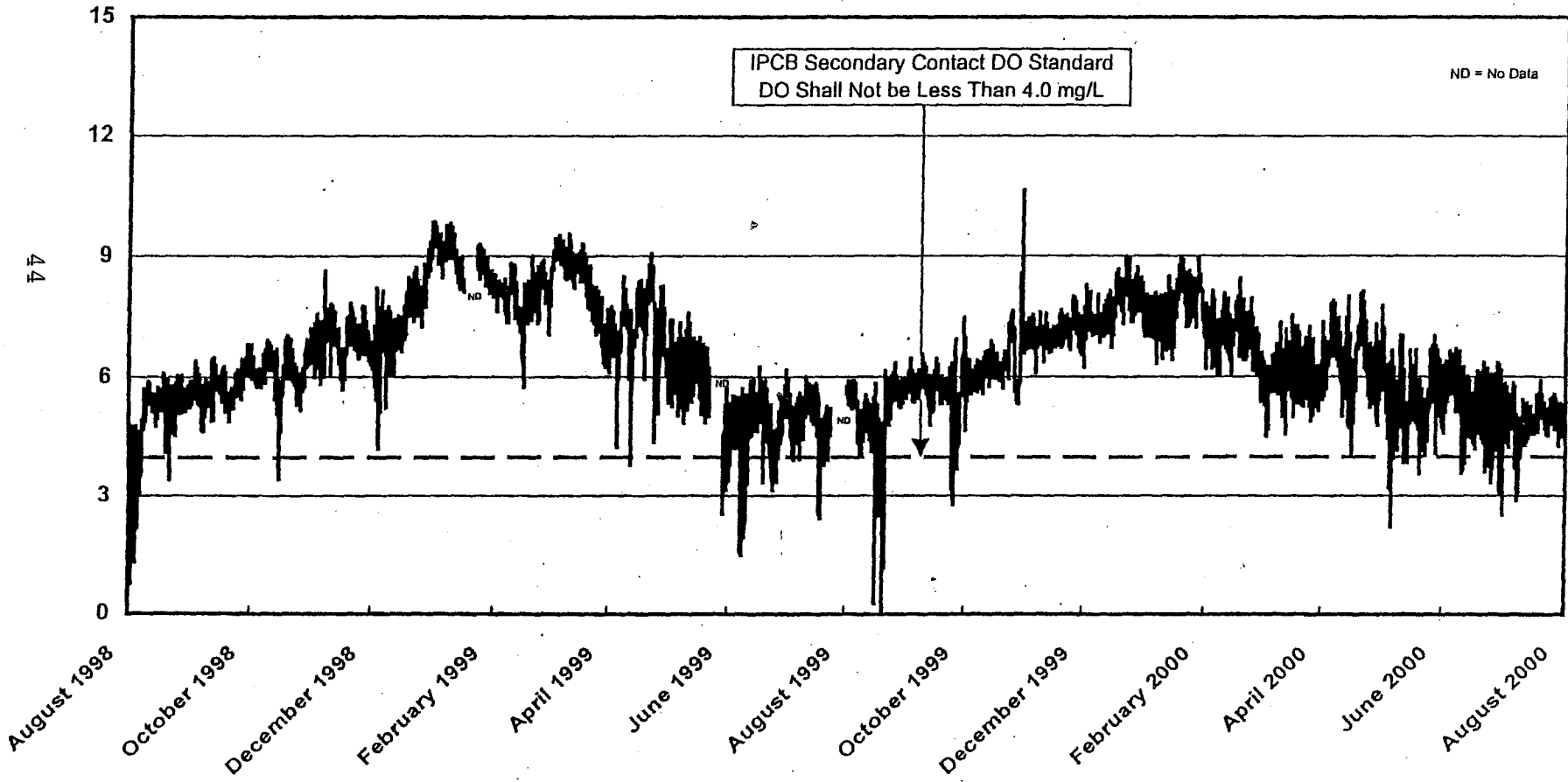
From August 1998 through July 2000, the DO concentration measured at Route 83 on the Chicago Sanitary and Ship Canal ranged from a low of 0.2 mg/L to a high of 10.4 mg/L. The mean DO value at Route 83 was 5.6 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Route 83 on the Chicago Sanitary and Ship Canal is 4.0 mg/L. From August 1998

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 16

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT B&O CENTRAL RAILROAD ON THE CHICAGO SANITARY & SHIP CANAL
FROM AUGUST 1998 THROUGH JULY 2000



through July 2000, 12,815 of 14,466 DO observations at Route 83 (89 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in August 1998, April 1999, June through September 1999, November 1999, and March through July 2000 (Figure 17). Three percent of the DO values recorded at Route 83 were below 3.0 mg/L (Table 5).

RIVER MILE 302.6

The maximum DO value recorded at River Mile 302.6 on the Chicago Sanitary and Ship Canal from August 1998 through July 2000 was 10.1 mg/L. The minimum DO value was 1.4 mg/L. During the twenty-four month period, the mean DO concentration was 5.9 mg/L at River Mile 302.6.

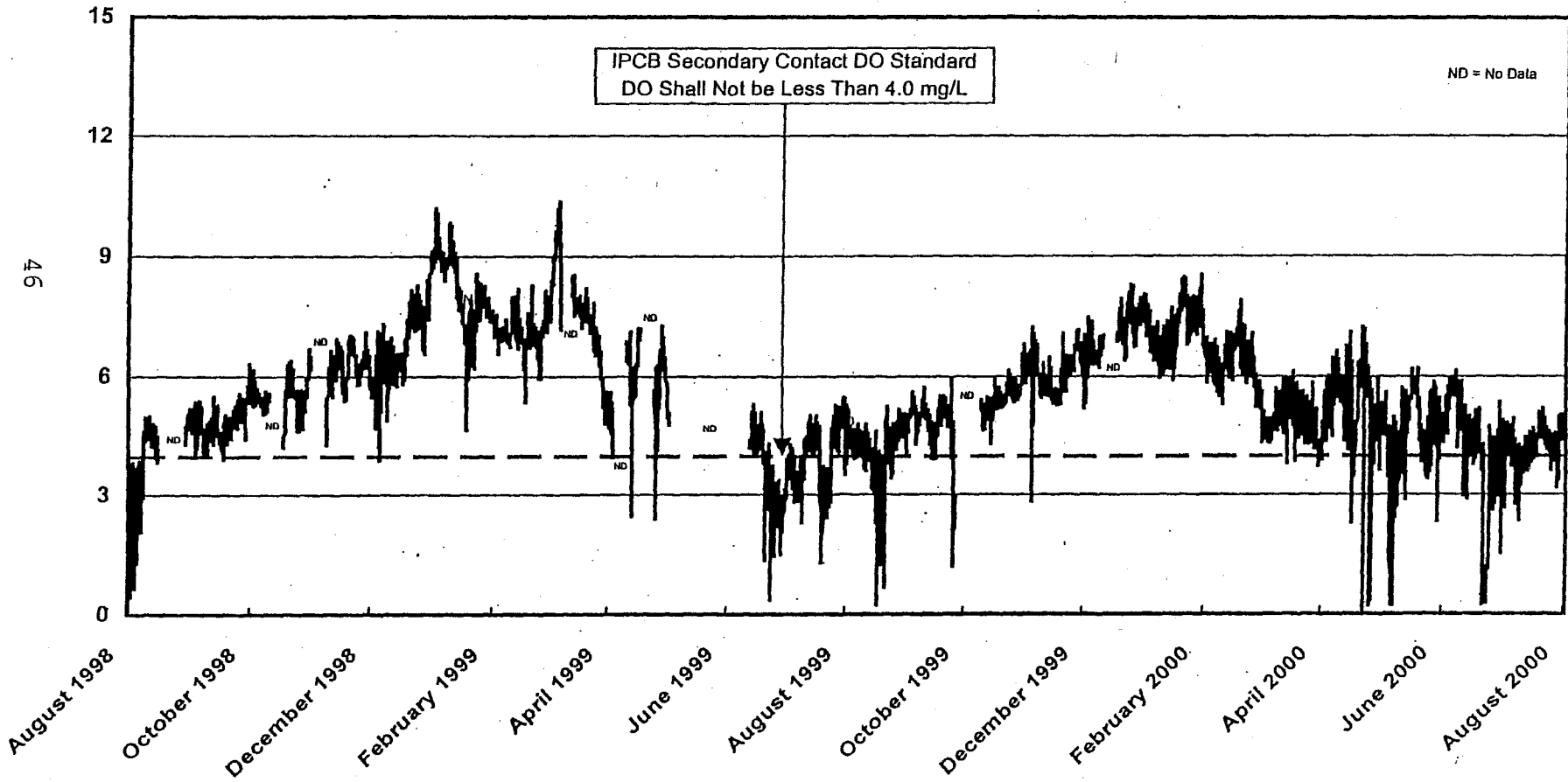
The IPCB requires that the DO concentration in the Chicago Sanitary and Ship Canal shall not be less than 4.0 mg/L at any time. From August 1998 through July 2000, 14,417 of 15,434 DO values at River Mile 302.6 (93 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred during August 1998, October

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 17

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT ROUTE 83 ON THE CHICAGO SANITARY & SHIP CANAL
FROM AUGUST 1998 THROUGH JULY 2000



46

1998, April through June 1999, September 1999, and April through July 2000 (Figure 18). Less than one percent of the DO values recorded at River Mile 302.6 were below 3.0 mg/L (Table 5).

ROMEOVILLE ROAD

From August 1998 through July 2000, the DO concentration measured at Romeoville Road on the Chicago Sanitary and Ship Canal ranged from a low of 1.0 mg/L to a high of 10.2 mg/L. The mean DO value at Romeoville Road was 5.4 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Romeoville Road on the Chicago Sanitary and Ship Canal is 4.0 mg/L. From August 1998 through July 2000, 13,550 of 17,082 DO observations at Romeoville Road (79 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred in August through October 1998, April through October 1999, and April through July 2000 (Figure 19). Four percent of the DO values recorded at Romeoville Road were below 3.0 mg/L (Table 5).

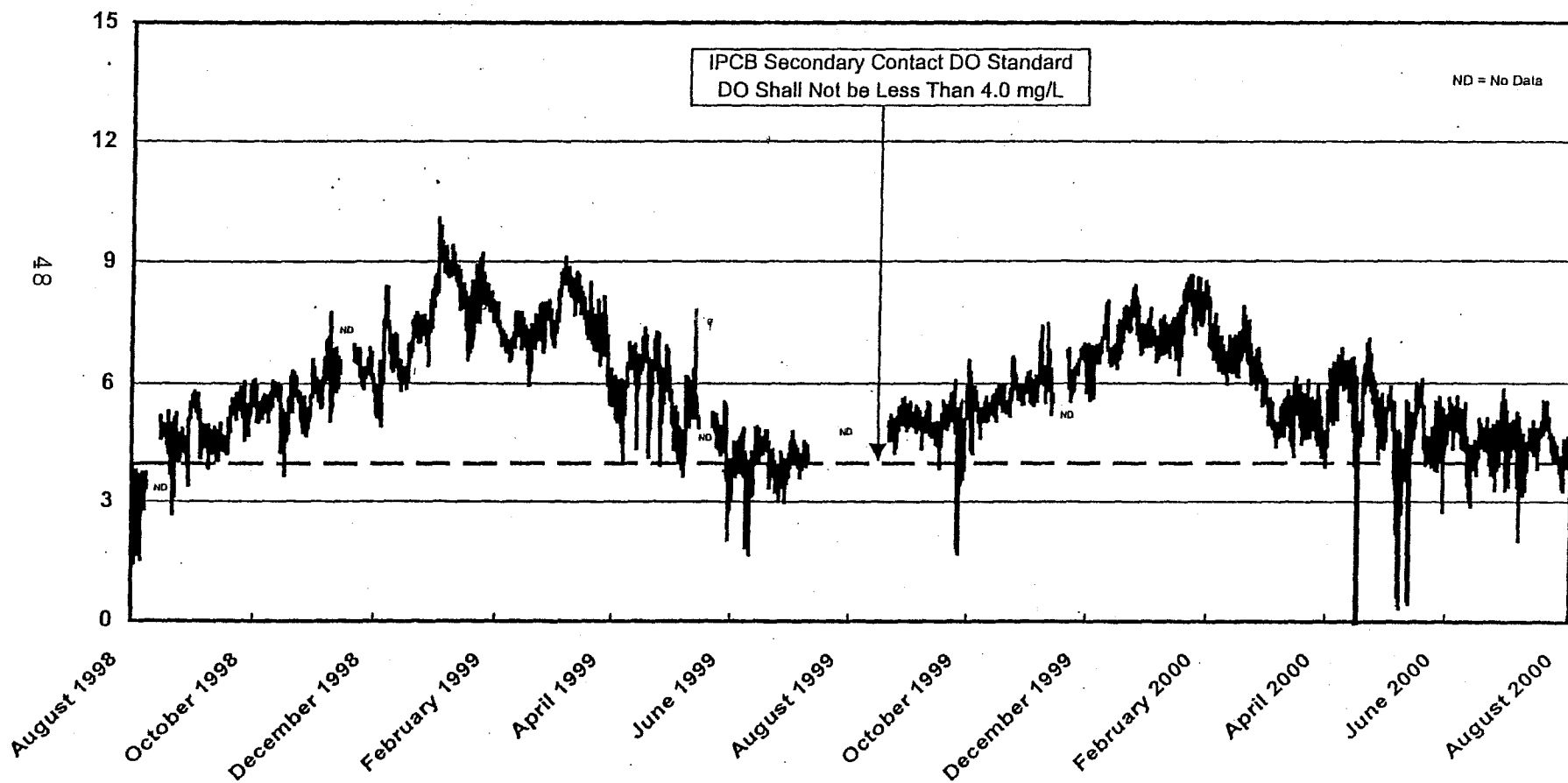
LOCKPORT

The maximum DO value recorded at Lockport on the Chicago

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 18

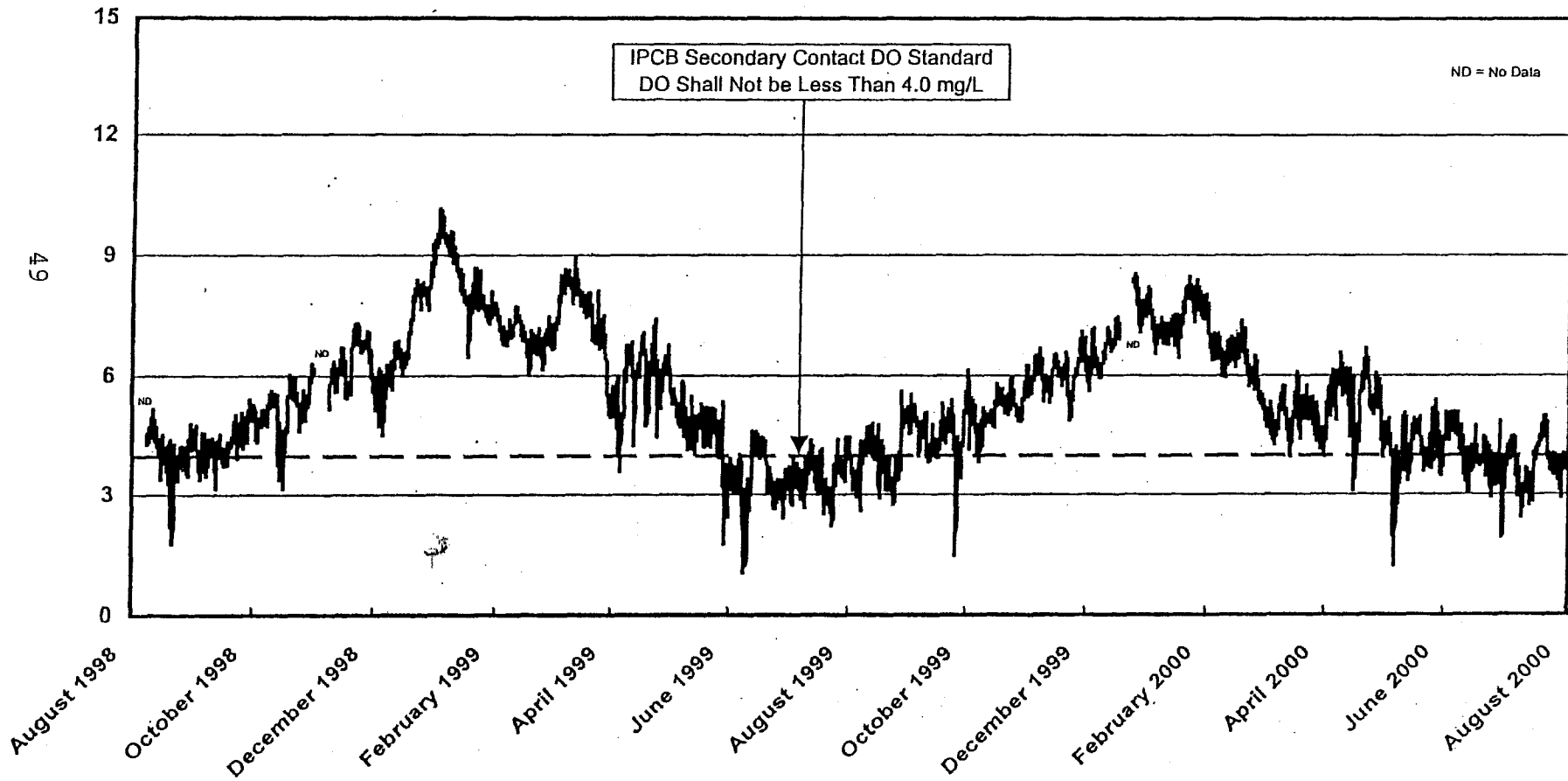
DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT RIVER MILE 302.6 ON THE CHICAGO SANITARY & SHIP CANAL
FROM AUGUST 1998 THROUGH JULY 2000



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 19

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT ROMEOVILLE ROAD ON THE CHICAGO SANITARY & SHIP CANAL
FROM AUGUST 1998 THROUGH JULY 2000



Sanitary and Ship Canal from August 1998 through July 2000 was 10.0 mg/L. The minimum DO value was 1.2 mg/L. During the twenty-four month period, the mean DO concentration was 5.2 mg/L at Lockport.

The IPCB requires that the DO concentration in the Chicago Sanitary and Ship Canal shall not be less than 4.0 mg/L at any time. From August 1998 through July 2000, 12,428 of 16,408 DO values at Lockport (76 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 4.0 mg/L standard occurred during August through October 1998, April through September 1999, and February through July 2000 (Figure 20). Five percent of the DO values recorded at Lockport were below 3.0 mg/L (Table 5).

Calumet-Sag Channel

ROUTE 83

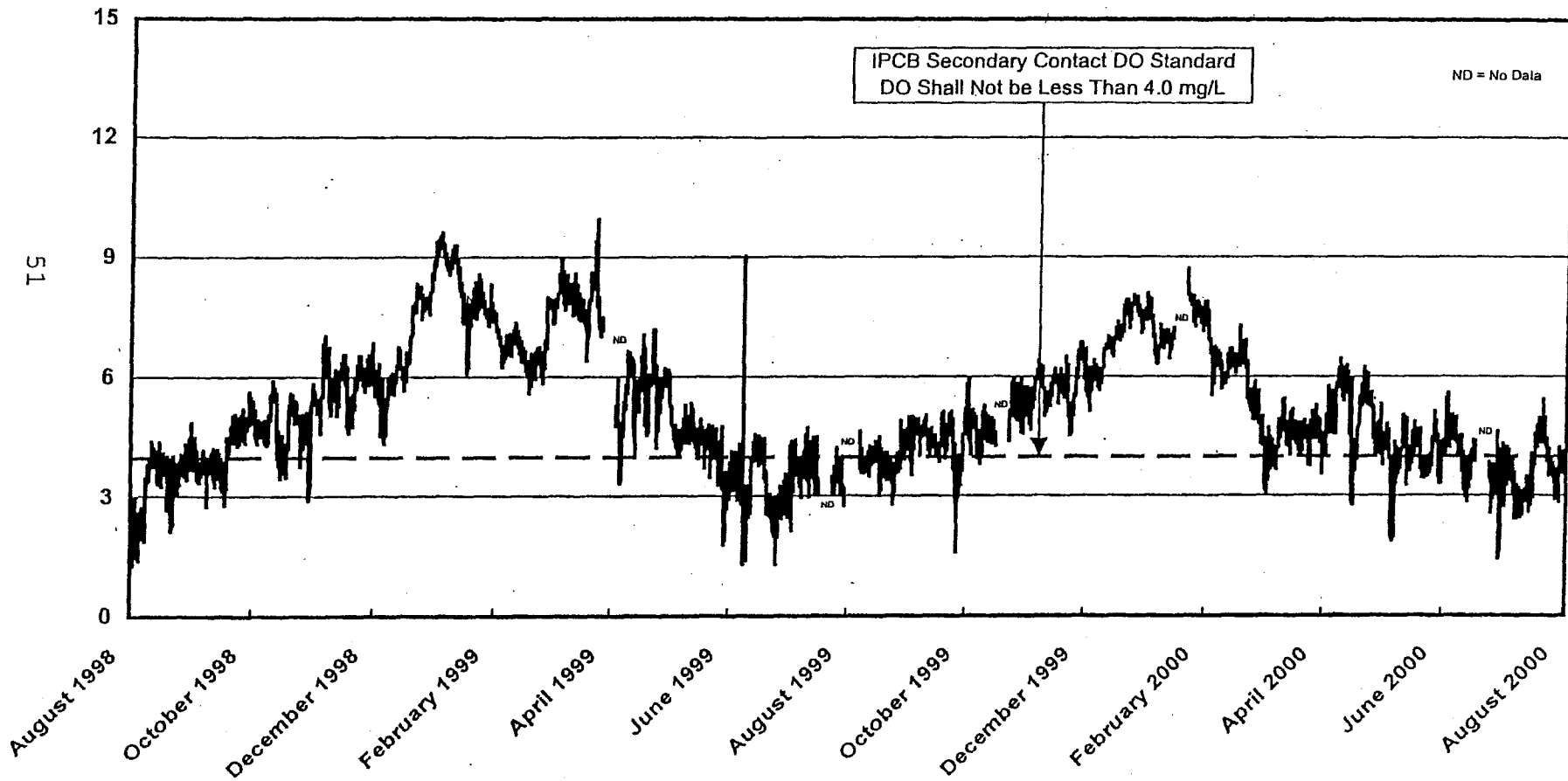
From August 1998 through July 2000, the DO concentration measured at Route 83 on the Calumet-Sag Channel ranged from a low of 1.1 mg/L to a high of 11.5 mg/L. The mean DO value at Route 83 was 6.1 mg/L during the twenty-four month period.

The IPCB DO standard applicable to Route 83 on the Calumet-Sag Channel is 3.0 mg/L. From August 1998 through July

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 20

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT LOCKPORT POWERHOUSE ON THE CHICAGO SANITARY & SHIP CANAL
FROM AUGUST 1998 THROUGH JULY 2000



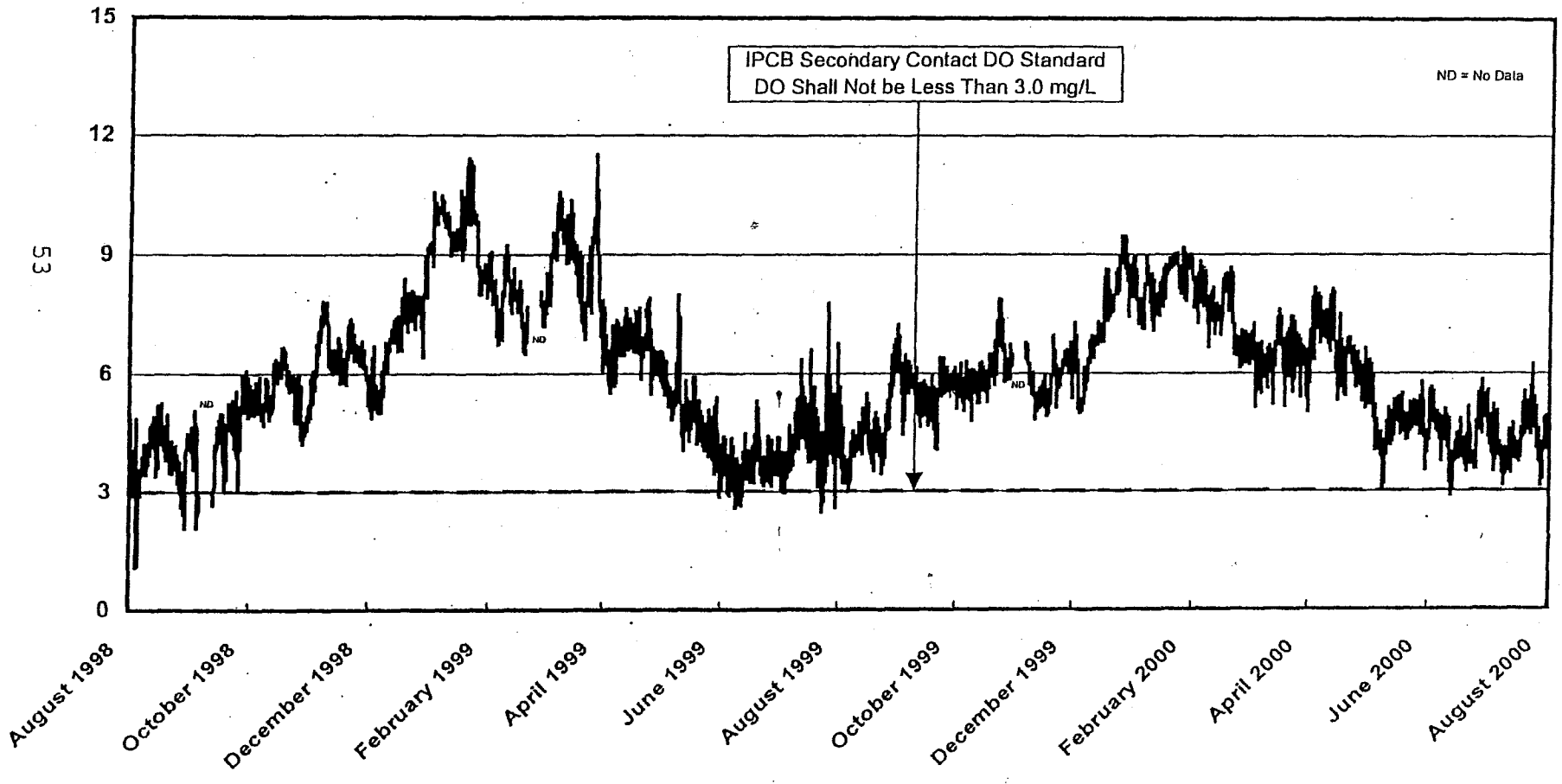
2000, 16,770 of 16,942 DO observations at Route 83 (99 percent) were above the IPCB Secondary Contact DO standard.

During the two-year monitoring period, DO measurements below the 3.0 mg/L standard occurred during August and September 1998, May through August 1999, and May and June 2000 (Figure 21). One percent of the DO values recorded at Route 83 on the Calumet-Sag Channel were below 3.0 mg/L (Table 5).

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 21

DISSOLVED OXYGEN CONCENTRATION MEASURED HOURLY
AT ROUTE 83 ON THE CALUMET-SAG CHANNEL
FROM AUGUST 1998 THROUGH JULY 2000



APPENDIX AI

WEEKLY DO SUMMARY STATISTICS
AT TWENTY MONITORING STATIONS
DURING AUGUST 1998 THROUGH JULY 2000

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-1

WEEKLY DO SUMMARY STATISTICS
 AT LINDEN STREET ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | 167 | 0.3 | 5.1 | 0.7 | 1 |
| 08/11/98 - 08/18/98 | | | NO DATA | | |
| 08/18/98 - 08/25/98 | 165 | 0.3 | 8.5 | 6.3 | 79 |
| 08/25/98 - 09/01/98 | | | NO DATA | | |
| 09/01/98 - 09/08/98 | 170 | 1.9 | 8.9 | 7.2 | 93 |
| 09/08/98 - 09/15/98 | 165 | 0.1 | 9.2 | 6.6 | 78 |
| 09/15/98 - 09/21/98 | 143 | 2.0 | 8.3 | 7.0 | 97 |
| 09/21/98 - 09/29/98 | 192 | 6.6 | 9.1 | 7.9 | 100 |
| 09/29/98 - 10/06/98 | 165 | 2.0 | 9.0 | 7.1 | 85 |
| 10/06/98 - 10/13/98 | 166 | 1.5 | 10.0 | 8.5 | 95 |
| 10/13/98 - 10/20/98 | 168 | 0.5 | 7.3 | 3.3 | 27 |
| 10/20/98 - 10/27/98 | 168 | 0.5 | 6.2 | 3.9 | 26 |
| 10/27/98 - 11/03/98 | 169 | 0.4 | 5.5 | 2.4 | 6 |
| 11/03/98 - 11/12/98 | 219 | 0.0 | 2.2 | 0.5 | 0 |
| 11/12/98 - 11/19/98 | 161 | 0.0 | 3.0 | 1.1 | 0 |
| 11/19/98 - 11/23/98 | 97 | 0.3 | 2.1 | 1.0 | 0 |
| 11/23/98 - 12/01/98 | 191 | 0.1 | 1.8 | 0.5 | 0 |
| 12/01/98 - 12/08/98 | 169 | 0.2 | 0.4 | 0.2 | 0 |
| 12/08/98 - 12/15/98 | 168 | 1.0 | 2.1 | 1.3 | 0 |
| 12/15/98 - 12/21/98 | 144 | 1.0 | 3.2 | 2.2 | 0 |
| 12/21/98 - 12/29/98 | 177 | 0.5 | 3.1 | 1.4 | 0 |
| 12/29/98 - 01/05/99 | 168 | 0.0 | 1.4 | 0.2 | 0 |
| 01/05/99 - 01/12/99 | 168 | 0.0 | 0.0 | 0.0 | 0 |
| 01/12/99 - 01/19/99 | 168 | 0.0 | 0.5 | 0.0 | 0 |
| 01/19/99 - 01/26/99 | 168 | 0.0 | 0.0 | 0.0 | 0 |
| 01/26/99 - 02/02/99 | 179 | 0.0 | 6.2 | 3.2 | 35 |
| 02/02/99 - 02/09/99 | | | NO DATA | | |
| 02/09/99 - 02/16/99 | 167 | 0.0 | 0.1 | 0.1 | 0 |
| 02/16/99 - 02/23/99 | 168 | 0.0 | 2.7 | 0.2 | 0 |
| 02/23/99 - 03/02/99 | 168 | 0.2 | 2.1 | 0.6 | 0 |
| 03/02/99 - 03/10/99 | | | NO DATA | | |
| 03/10/99 - 03/16/99 | | | NO DATA | | |
| 03/16/99 - 03/23/99 | 166 | 2.4 | 9.5 | 5.1 | 54 |
| 03/23/99 - 03/30/99 | | | NO DATA | | |
| 03/30/99 - 04/06/99 | 166 | 2.8 | 16.2 | 8.3 | 84 |
| 04/06/99 - 04/13/99 | 168 | 0.2 | 9.9 | 5.0 | 60 |
| 04/13/99 - 04/20/99 | | | NO DATA | | |
| 04/20/99 - 04/27/99 | 165 | 0.3 | 9.7 | 2.6 | 19 |
| 04/27/99 - 05/04/99 | 166 | 0.0 | 1.7 | 0.2 | 0 |
| 05/04/99 - 05/11/99 | 167 | 0.0 | 1.3 | 0.3 | 0 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-1 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT LINDEN STREET ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | 167 | 0.2 | 3.8 | 0.5 | 0 |
| 05/18/99 - 05/25/99 | 167 | 0.3 | 8.9 | 2.5 | 23 |
| 05/25/99 - 06/01/99 | | | NO DATA | | |
| 06/01/99 - 06/08/99 | 168 | 0.2 | 8.0 | 2.2 | 17 |
| 06/08/99 - 06/15/99 | | | NO DATA | | |
| 06/15/99 - 06/22/99 | | | NO DATA | | |
| 06/22/99 - 06/29/99 | 166 | 0.5 | 9.3 | 5.8 | 65 |
| 06/29/99 - 07/06/99 | 169 | 0.7 | 10.2 | 7.9 | 91 |
| 07/06/99 - 07/13/99 | 168 | 0.6 | 10.5 | 9.0 | 94 |
| 07/13/99 - 07/20/99 | 166 | 1.4 | 10.6 | 8.6 | 90 |
| 07/20/99 - 07/27/99 | 168 | 0.0 | 9.7 | 6.7 | 77 |
| 07/27/99 - 08/03/99 | 167 | 2.8 | 9.4 | 7.4 | 89 |
| 08/03/99 - 08/10/99 | 168 | 0.4 | 8.6 | 6.7 | 86 |
| 08/10/99 - 08/17/99 | 167 | 1.9 | 8.6 | 7.0 | 89 |
| 08/17/99 - 08/24/99 | 169 | 0.4 | 9.1 | 6.3 | 76 |
| 08/24/99 - 08/31/99 | 163 | 0.5 | 8.7 | 6.6 | 84 |
| 08/31/99 - 09/07/99 | 170 | 7.2 | 9.6 | 8.1 | 100 |
| 09/07/99 - 09/14/99 | 168 | 6.1 | 9.5 | 8.2 | 100 |
| 09/14/99 - 09/21/99 | 166 | 7.6 | 10.1 | 8.8 | 100 |
| 09/21/99 - 09/28/99 | 167 | 5.7 | 10.2 | 8.5 | 100 |
| 09/28/99 - 10/05/99 | 169 | 2.5 | 8.7 | 7.1 | 88 |
| 10/05/99 - 10/12/99 | 168 | 7.5 | 10.0 | 8.7 | 100 |
| 10/12/99 - 10/19/99 | 167 | 6.8 | 10.0 | 8.9 | 100 |
| 10/19/99 - 10/26/99 | 169 | 9.4 | 11.0 | 10.1 | 100 |
| 10/26/99 - 11/02/99 | 167 | 6.9 | 10.0 | 9.2 | 100 |
| 11/02/99 - 11/09/99 | | | NO DATA | | |
| 11/09/99 - 11/16/99 | 168 | 2.0 | 6.3 | 4.2 | 26 |
| 11/16/99 - 11/23/99 | 140 | 2.2 | 4.9 | 3.4 | 0 |
| 11/23/99 - 11/30/99 | 182 | 0.2 | 3.1 | 0.5 | 0 |
| 11/30/99 - 12/07/99 | 168 | 0.4 | 3.3 | 1.8 | 0 |
| 12/07/99 - 12/14/99 | 168 | 0.6 | 4.0 | 1.9 | 0 |
| 12/14/99 - 12/21/99 | 137 | 2.2 | 4.4 | 3.4 | 0 |
| 12/21/99 - 12/28/99 | 168 | 0.0 | 3.5 | 1.1 | 0 |
| 12/28/99 - 01/04/00 | 168 | 0.0 | 2.2 | 0.5 | 0 |
| 01/04/00 - 01/11/00 | 168 | 0.0 | 1.4 | 0.4 | 0 |
| 01/11/00 - 01/18/00 | 168 | 0.0 | 2.7 | 0.2 | 0 |
| 01/18/00 - 01/25/00 | 168 | 0.0 | 0.0 | 0.0 | 0 |
| 01/25/00 - 02/01/00 | 168 | 0.0 | 0.0 | 0.0 | 0 |
| 02/01/00 - 02/08/00 | 168 | 0.0 | 0.0 | 0.0 | 0 |
| 02/08/00 - 02/15/00 | 168 | 0.0 | 0.1 | 0.0 | 0 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-1 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT LINDEN STREET ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 168 | 0.0 | 0.1 | 0.0 | 0 |
| 02/22/00 - 02/29/00 | 167 | 0.0 | 0.1 | 0.0 | 0 |
| 02/29/00 - 03/07/00 | 168 | 0.2 | 4.5 | 1.4 | 0 |
| 03/07/00 - 03/14/00 | | | NO DATA | | |
| 03/14/00 - 03/21/00 | | | NO DATA | | |
| 03/21/00 - 03/28/00 | | | NO DATA | | |
| 03/28/00 - 04/04/00 | | | NO DATA | | |
| 04/04/00 - 04/11/00 | | | NO DATA | | |
| 04/11/00 - 04/18/00 | 166 | 0.7 | 10.9 | 7.4 | 89 |
| 04/18/00 - 04/25/00 | 168 | 0.1 | 9.9 | 3.2 | 30 |
| 04/25/00 - 05/02/00 | 167 | 0.3 | 5.3 | 0.9 | 2 |
| 05/02/00 - 05/09/00 | | | NO DATA | | |
| 05/09/00 - 05/16/00 | 168 | 0.0 | 6.9 | 1.0 | 1 |
| 05/16/00 - 05/23/00 | | | NO DATA | | |
| 05/23/00 - 05/30/00 | 163 | 0.0 | 6.9 | 2.2 | 11 |
| 05/30/00 - 06/06/00 | 170 | 0.5 | 7.8 | 2.9 | 26 |
| 06/06/00 - 06/13/00 | 166 | 1.1 | 7.6 | 5.4 | 68 |
| 06/13/00 - 06/20/00 | 168 | 0.7 | 8.1 | 3.7 | 20 |
| 06/20/00 - 06/27/00 | 168 | 3.1 | 9.7 | 8.1 | 95 |
| 06/27/00 - 07/03/00 | 143 | 4.4 | 10.4 | 9.4 | 99 |
| 07/03/00 - 07/12/00 | 218 | 1.0 | 9.2 | 7.5 | 94 |
| 07/12/00 - 07/18/00 | 144 | 6.2 | 8.4 | 7.6 | 100 |
| 07/18/00 - 07/25/00 | 164 | 7.2 | 8.5 | 8.0 | 100 |
| 07/25/00 - 08/01/00 | 167 | 0.9 | 8.9 | 6.7 | 78 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-2

WEEKLY DO SUMMARY STATISTICS
 AT SIMPSON STREET ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|------|------|----------------------------------|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | | NO DATA | | | |
| 08/11/98 - 08/18/98 | 171 | 5.1 | 8.4 | 7.5 | 100 |
| 08/18/98 - 08/25/98 | 165 | 1.2 | 8.0 | 6.4 | 85 |
| 08/25/98 - 09/01/98 | 168 | 3.7 | 8.1 | 6.6 | 84 |
| 09/01/98 - 09/08/98 | 169 | 2.6 | 7.8 | 6.0 | 82 |
| 09/08/98 - 09/15/98 | 166 | 3.1 | 8.0 | 6.6 | 91 |
| 09/15/98 - 09/21/98 | 144 | 2.1 | 6.7 | 5.4 | 72 |
| 09/21/98 - 09/29/98 | 191 | 5.2 | 8.2 | 6.8 | 100 |
| 09/29/98 - 10/06/98 | 168 | 4.9 | 7.9 | 6.5 | 99 |
| 10/06/98 - 10/13/98 | 167 | 3.5 | 9.1 | 7.8 | 95 |
| 10/13/98 - 10/20/98 | 168 | 0.3 | 8.3 | 4.6 | 55 |
| 10/20/98 - 10/27/98 | 168 | 0.3 | 1.0 | 0.4 | 0 |
| 10/27/98 - 11/03/98 | 169 | 0.0 | 1.9 | 0.2 | 0 |
| 11/03/98 - 11/12/98 | 218 | 0.9 | 5.7 | 2.3 | 4 |
| 11/12/98 - 11/19/98 | 163 | 1.4 | 2.7 | 1.9 | 0 |
| 11/19/98 - 11/23/98 | 98 | 2.0 | 3.8 | 2.6 | 0 |
| 11/23/98 - 12/01/98 | 188 | 0.0 | 4.2 | 1.6 | 0 |
| 12/01/98 - 12/08/98 | 169 | 0.1 | 5.4 | 2.8 | 1 |
| 12/08/98 - 12/15/98 | 168 | 0.5 | 2.8 | 1.0 | 0 |
| 12/15/98 - 12/21/98 | 143 | 2.0 | 3.8 | 2.8 | 0 |
| 12/21/98 - 12/29/98 | 175 | 4.7 | 11.1 | 7.6 | 90 |
| 12/29/98 - 01/05/99 | 168 | 8.3 | 11.2 | 10.2 | 100 |
| 01/05/99 - 01/12/99 | 168 | 3.5 | 9.1 | 6.3 | 74 |
| 01/12/99 - 01/19/99 | 168 | 0.4 | 3.9 | 1.5 | 0 |
| 01/19/99 - 01/26/99 | 182 | 0.2 | 9.7 | 2.0 | 16 |
| 01/26/99 - 02/02/99 | 169 | 0.2 | 2.2 | 0.9 | 0 |
| 02/02/99 - 02/09/99 | 168 | 0.0 | 0.7 | 0.2 | 0 |
| 02/09/99 - 02/16/99 | 166 | 0.1 | 0.9 | 0.3 | 0 |
| 02/16/99 - 02/23/99 | 166 | 0.1 | 6.3 | 2.6 | 14 |
| 02/23/99 - 03/02/99 | | NO DATA | | | |
| 03/02/99 - 03/10/99 | | NO DATA | | | |
| 03/10/99 - 03/16/99 | | NO DATA | | | |
| 03/16/99 - 03/23/99 | 167 | 0.5 | 10.4 | 2.8 | 15 |
| 03/23/99 - 03/30/99 | | NO DATA | | | |
| 03/30/99 - 04/06/99 | 166 | 2.0 | 15.0 | 7.6 | 66 |
| 04/06/99 - 04/13/99 | | NO DATA | | | |
| 04/13/99 - 04/20/99 | 166 | 0.3 | 7.3 | 1.0 | 4 |
| 04/20/99 - 04/27/99 | 164 | 0.5 | 8.7 | 2.8 | 31 |
| 04/27/99 - 05/04/99 | 167 | 0.5 | 7.7 | 1.3 | 6 |
| 05/04/99 - 05/11/99 | 167 | 0.0 | 2.5 | 0.2 | 0 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-2 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT SIMPSON STREET ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | 167 | 0.2 | 6.6 | 2.3 | 8 |
| 05/18/99 - 05/25/99 | | | NO DATA | | |
| 05/25/99 - 06/01/99 | 163 | 0.1 | 5.3 | 0.4 | 1 |
| 06/01/99 - 06/08/99 | 168 | 0.2 | 7.7 | 0.8 | 7 |
| 06/08/99 - 06/15/99 | 169 | 0.0 | 7.8 | 1.6 | 15 |
| 06/15/99 - 06/22/99 | 168 | 0.4 | 4.6 | 2.0 | 0 |
| 06/22/99 - 06/29/99 | 167 | 0.1 | 5.9 | 2.8 | 7 |
| 06/29/99 - 07/06/99 | 168 | 0.4 | 2.1 | 1.1 | 0 |
| 07/06/99 - 07/13/99 | 169 | 2.6 | 10.2 | 8.5 | 96 |
| 07/13/99 - 07/20/99 | 167 | 0.6 | 9.8 | 7.5 | 86 |
| 07/20/99 - 07/27/99 | 168 | 1.3 | 8.2 | 6.2 | 85 |
| 07/27/99 - 08/03/99 | | | NO DATA | | |
| 08/03/99 - 08/10/99 | 167 | 0.4 | 7.5 | 5.3 | 71 |
| 08/10/99 - 08/17/99 | | | NO DATA | | |
| 08/17/99 - 08/24/99 | 170 | 1.9 | 7.8 | 5.7 | 67 |
| 08/24/99 - 08/31/99 | 165 | 1.7 | 7.4 | 6.0 | 76 |
| 08/31/99 - 09/07/99 | 170 | 6.9 | 8.7 | 7.7 | 100 |
| 09/07/99 - 09/14/99 | 168 | 5.8 | 9.0 | 7.6 | 100 |
| 09/14/99 - 09/21/99 | 167 | 4.9 | 8.7 | 7.4 | 99 |
| 09/21/99 - 09/28/99 | 168 | 5.0 | 9.3 | 7.9 | 99 |
| 09/28/99 - 10/05/99 | 168 | 0.2 | 6.2 | 4.1 | 23 |
| 10/05/99 - 10/12/99 | 169 | 2.2 | 7.1 | 4.8 | 40 |
| 10/12/99 - 10/19/99 | 167 | 4.6 | 8.2 | 6.8 | 97 |
| 10/19/99 - 10/26/99 | 169 | 7.7 | 9.0 | 8.5 | 100 |
| 10/26/99 - 11/02/99 | 167 | 7.4 | 10.2 | 9.0 | 100 |
| 11/02/99 - 11/09/99 | 168 | 3.6 | 7.4 | 5.6 | 73 |
| 11/09/99 - 11/16/99 | 168 | 3.1 | 5.7 | 4.4 | 14 |
| 11/16/99 - 11/23/99 | 169 | 3.0 | 6.0 | 4.5 | 12 |
| 11/23/99 - 11/30/99 | 164 | 1.0 | 5.8 | 2.2 | 2 |
| 11/30/99 - 12/07/99 | | | NO DATA | | |
| 12/07/99 - 12/14/99 | 167 | 0.2 | 1.2 | 0.3 | 0 |
| 12/14/99 - 12/21/99 | 137 | 0.2 | 2.1 | 0.9 | 0 |
| 12/21/99 - 12/28/99 | 168 | 0.2 | 5.8 | 1.7 | 2 |
| 12/28/99 - 01/04/00 | | | NO DATA | | |
| 01/04/00 - 01/11/00 | | | NO DATA | | |
| 01/11/00 - 01/18/00 | | | NO DATA | | |
| 01/18/00 - 01/25/00 | | | NO DATA | | |
| 01/25/00 - 02/01/00 | 168 | 0.2 | 4.7 | 1.7 | 0 |
| 02/01/00 - 02/08/00 | 168 | 0.2 | 1.2 | 0.3 | 0 |
| 02/08/00 - 02/15/00 | 168 | 0.2 | 1.3 | 0.2 | 0 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-2 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT SIMPSON STREET ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 168 | 0.1 | 0.2 | 0.2 | 0 |
| 02/22/00 - 02/29/00 | 166 | 0.1 | 0.8 | 0.5 | 0 |
| 02/29/00 - 03/07/00 | | | NO DATA | | |
| 03/07/00 - 03/14/00 | | | NO DATA | | |
| 03/14/00 - 03/21/00 | | | NO DATA | | |
| 03/21/00 - 03/28/00 | | | NO DATA | | |
| 03/28/00 - 04/04/00 | | | NO DATA | | |
| 04/04/00 - 04/11/00 | | | NO DATA | | |
| 04/11/00 - 04/18/00 | 166 | 4.9 | 11.9 | 7.9 | 98 |
| 04/18/00 - 04/25/00 | | | NO DATA | | |
| 04/25/00 - 05/02/00 | | | NO DATA | | |
| 05/02/00 - 05/09/00 | | | NO DATA | | |
| 05/09/00 - 05/16/00 | 168 | 0.0 | 2.6 | 0.9 | 0 |
| 05/16/00 - 05/23/00 | | | NO DATA | | |
| 05/23/00 - 05/30/00 | 161 | 0.0 | 4.4 | 0.8 | 0 |
| 05/30/00 - 06/06/00 | 166 | 0.2 | 5.1 | 0.7 | 1 |
| 06/06/00 - 06/13/00 | 162 | 0.1 | 4.0 | 0.9 | 0 |
| 06/13/00 - 06/20/00 | 167 | 0.4 | 3.1 | 1.1 | 0 |
| 06/20/00 - 06/27/00 | 168 | 1.1 | 8.4 | 5.7 | 63 |
| 06/27/00 - 07/03/00 | 144 | 2.5 | 8.9 | 7.5 | 93 |
| 07/03/00 - 07/12/00 | 218 | 1.0 | 7.6 | 4.9 | 62 |
| 07/12/00 - 07/18/00 | 142 | 0.4 | 6.0 | 2.0 | 12 |
| 07/18/00 - 07/25/00 | | | NO DATA | | |
| 07/25/00 - 08/01/00 | 170 | 0.3 | 7.2 | 5.0 | 68 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-3

WEEKLY DO SUMMARY STATISTICS
 AT MAIN STREET ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | 167 | 0.2 | 6.0 | 1.0 | 4 |
| 08/11/98 - 08/18/98 | | | NO DATA | | |
| 08/18/98 - 08/25/98 | 164 | 1.9 | 7.2 | 5.8 | 75 |
| 08/25/98 - 09/01/98 | | | NO DATA | | |
| 09/01/98 - 09/08/98 | 170 | 5.1 | 9.6 | 7.0 | 100 |
| 09/08/98 - 09/15/98 | 166 | 3.6 | 6.8 | 5.5 | 75 |
| 09/15/98 - 09/21/98 | 145 | 2.9 | 6.5 | 5.0 | 58 |
| 09/21/98 - 09/29/98 | | | NO DATA | | |
| 09/29/98 - 10/06/98 | | | NO DATA | | |
| 10/06/98 - 10/13/98 | 168 | 4.6 | 8.6 | 7.5 | 98 |
| 10/13/98 - 10/20/98 | 168 | 0.6 | 8.2 | 5.3 | 65 |
| 10/20/98 - 10/27/98 | | | NO DATA | | |
| 10/27/98 - 11/03/98 | 169 | 1.9 | 5.5 | 3.4 | 2 |
| 11/03/98 - 11/10/98 | 166 | 6.0 | 13.0 | 9.5 | 100 |
| 11/12/98 - 11/19/98 | | | NO DATA | | |
| 11/19/98 - 11/23/98 | 97 | 7.4 | 12.8 | 9.2 | 100 |
| 11/23/98 - 12/01/98 | 187 | 6.8 | 16.4 | 11.0 | 100 |
| 12/01/98 - 12/08/98 | 169 | 5.5 | 10.0 | 7.5 | 100 |
| 12/08/98 - 12/15/98 | 168 | 7.3 | 13.7 | 9.6 | 100 |
| 12/15/98 - 12/21/98 | 144 | 10.5 | 15.8 | 13.2 | 100 |
| 12/21/98 - 12/29/98 | 191 | 11.0 | 19.4 | 14.7 | 100 |
| 12/29/98 - 01/05/99 | 168 | 16.4 | 23.8 | 19.6 | 100 |
| 01/05/98 - 01/12/99 | 168 | 5.8 | 17.2 | 9.3 | 100 |
| 01/12/98 - 01/19/99 | 168 | 3.3 | 8.3 | 5.9 | 80 |
| 01/19/98 - 01/26/99 | 170 | 1.2 | 11.1 | 5.1 | 42 |
| 01/26/99 - 02/02/99 | | | NO DATA | | |
| 02/02/99 - 02/09/99 | 167 | 4.6 | 10.4 | 6.5 | 96 |
| 02/09/99 - 02/16/99 | 165 | 8.2 | 20.5 | 13.0 | 100 |
| 02/16/99 - 02/23/99 | 169 | 16.9 | 32.7 | 24.5 | 100 |
| 02/23/99 - 03/02/99 | 167 | 15.6 | 32.2 | 24.1 | 100 |
| 03/02/99 - 03/10/99 | 193 | 8.3 | 25.9 | 16.6 | 100 |
| 03/10/99 - 03/16/99 | 144 | 9.5 | 18.7 | 12.9 | 100 |
| 03/16/99 - 03/23/99 | 167 | 9.9 | 28.8 | 20.6 | 100 |
| 03/23/99 - 03/30/99 | 169 | 9.9 | 26.9 | 17.4 | 100 |
| 03/30/99 - 04/06/99 | 167 | 5.0 | 12.0 | 7.3 | 99 |
| 04/06/99 - 04/13/99 | 168 | 1.3 | 10.4 | 5.6 | 55 |
| 04/13/99 - 04/20/99 | 168 | 3.6 | 10.5 | 6.0 | 76 |
| 04/20/99 - 04/27/99 | 167 | 0.4 | 13.0 | 4.6 | 47 |
| 04/27/99 - 05/04/99 | 169 | 0.3 | 6.5 | 1.0 | 4 |
| 05/04/99 - 05/11/99 | 167 | 0.3 | 8.0 | 3.2 | 23 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-3 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT MAIN STREET ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | | | NO DATA | | |
| 05/18/99 - 05/25/99 | | | NO DATA | | |
| 05/25/99 - 06/01/99 | 168 | 0.3 | 8.3 | 3.7 | 41 |
| 06/01/99 - 06/08/99 | 168 | 0.6 | 6.6 | 1.2 | 4 |
| 06/08/99 - 06/15/99 | 169 | 0.0 | 0.0 | 0.0 | 0 |
| 06/15/99 - 06/22/99 | 167 | 0.2 | 2.8 | 0.4 | 0 |
| 06/22/99 - 06/29/99 | 166 | 0.5 | 3.5 | 1.4 | 0 |
| 06/29/99 - 07/06/99 | 169 | 0.2 | 8.0 | 4.1 | 43 |
| 07/06/99 - 07/13/99 | 168 | 4.8 | 9.0 | 7.7 | 98 |
| 07/13/99 - 07/20/99 | 168 | 2.5 | 9.7 | 7.0 | 93 |
| 07/20/99 - 07/27/99 | 168 | 2.9 | 7.3 | 5.1 | 46 |
| 07/27/99 - 08/03/99 | 167 | 1.9 | 7.5 | 4.3 | 40 |
| 08/03/99 - 08/10/99 | | | NO DATA | | |
| 08/10/99 - 08/17/99 | | | NO DATA | | |
| 08/17/99 - 08/24/99 | | | NO DATA | | |
| 08/24/99 - 08/31/99 | 165 | 0.1 | 5.9 | 2.9 | 34 |
| 08/31/99 - 09/07/99 | 170 | 6.3 | 7.8 | 7.1 | 100 |
| 09/07/99 - 09/14/99 | 168 | 6.0 | 8.3 | 7.1 | 100 |
| 09/14/99 - 09/21/99 | 166 | 2.6 | 8.3 | 7.3 | 99 |
| 09/21/99 - 09/28/99 | 166 | 2.8 | 8.2 | 6.9 | 89 |
| 09/28/99 - 10/05/99 | 168 | 0.0 | 4.8 | 0.6 | 0 |
| 10/05/99 - 10/12/99 | 169 | 0.1 | 5.1 | 3.1 | 2 |
| 10/12/99 - 10/19/99 | 167 | 4.6 | 7.1 | 6.2 | 96 |
| 10/19/99 - 10/26/99 | 169 | 6.8 | 10.2 | 8.8 | 100 |
| 10/26/99 - 11/02/99 | | | NO DATA | | |
| 11/02/99 - 11/09/99 | 163 | 7.5 | 11.1 | 9.4 | 100 |
| 11/09/99 - 11/16/99 | 168 | 7.4 | 11.2 | 8.8 | 100 |
| 11/16/99 - 11/23/99 | | | NO DATA | | |
| 11/23/99 - 11/30/99 | 166 | 9.0 | 15.5 | 12.5 | 100 |
| 11/30/99 - 12/07/99 | 169 | 1.9 | 17.2 | 9.2 | 76 |
| 12/07/99 - 12/14/99 | 168 | 2.1 | 6.8 | 4.0 | 28 |
| 12/14/99 - 12/21/99 | 166 | 5.1 | 12.5 | 8.3 | 100 |
| 12/21/99 - 12/28/99 | | | NO DATA | | |
| 12/28/99 - 01/06/00 | | | NO DATA | | |
| 01/06/00 - 01/11/00 | 168 | 7.5 | 18.4 | 12.6 | 100 |
| 01/11/00 - 01/18/00 | 168 | 9.0 | 14.2 | 11.8 | 100 |
| 01/18/00 - 01/25/00 | 169 | 6.9 | 13.7 | 10.3 | 100 |
| 01/25/00 - 02/01/00 | 167 | 5.9 | 11.4 | 9.8 | 100 |
| 02/01/00 - 02/08/00 | 168 | 4.3 | 8.7 | 5.5 | 77 |
| 02/08/00 - 02/15/00 | 182 | 6.9 | 11.2 | 9.0 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-3 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT MAIN STREET ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 168 | 6.6 | 12.6 | 9.7 | 100 |
| 02/22/00 - 02/29/00 | 168 | 6.5 | 9.8 | 7.7 | 100 |
| 02/29/00 - 03/07/00 | 168 | 7.6 | 16.8 | 10.9 | 100 |
| 03/07/00 - 03/14/00 | 167 | 11.1 | 19.9 | 14.9 | 100 |
| 03/14/00 - 03/21/00 | 169 | 9.4 | 21.0 | 17.0 | 100 |
| 03/21/00 - 03/28/00 | 167 | 9.9 | 18.4 | 15.6 | 100 |
| 03/28/00 - 04/04/00 | 167 | 12.4 | 21.1 | 16.8 | 100 |
| 04/04/00 - 04/11/00 | 170 | 7.6 | 20.3 | 12.5 | 100 |
| 04/11/00 - 04/18/00 | 162 | 3.8 | 18.9 | 12.6 | 98 |
| 04/18/00 - 04/25/00 | | | NO DATA | | |
| 04/25/00 - 05/02/00 | | | NO DATA | | |
| 05/02/00 - 05/09/00 | | | NO DATA | | |
| 05/09/00 - 05/16/00 | 168 | 0.0 | 3.5 | 0.2 | 0 |
| 05/16/00 - 05/23/00 | | | NO DATA | | |
| 05/23/00 - 05/30/00 | 168 | 0.1 | 7.9 | 2.3 | 18 |
| 05/30/00 - 06/06/00 | 170 | 0.5 | 6.8 | 2.6 | 5 |
| 06/06/00 - 06/13/00 | 166 | 0.9 | 4.6 | 2.2 | 0 |
| 06/13/00 - 06/20/00 | 168 | 0.2 | 1.9 | 0.7 | 0 |
| 06/20/00 - 06/27/00 | 168 | 1.0 | 6.5 | 3.4 | 17 |
| 06/27/00 - 07/03/00 | 144 | 0.7 | 7.4 | 5.5 | 84 |
| 07/03/00 - 07/12/00 | 218 | 0.9 | 6.5 | 3.3 | 14 |
| 07/12/00 - 07/18/00 | 144 | 0.9 | 5.3 | 3.2 | 4 |
| 07/18/00 - 07/25/00 | 163 | 3.4 | 6.2 | 5.3 | 68 |
| 07/25/00 - 08/01/00 | 169 | 3.0 | 6.8 | 4.9 | 40 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-4

WEEKLY DO SUMMARY STATISTICS
 AT DEVON AVENUE ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | 166 | 4.5 | 8.0 | 6.2 | 100 |
| 08/11/98 - 08/18/98 | 172 | 5.2 | 8.3 | 7.1 | 100 |
| 08/18/98 - 08/25/98 | 165 | 5.3 | 7.6 | 6.3 | 100 |
| 08/25/98 - 09/01/98 | 167 | 5.4 | 7.1 | 6.4 | 100 |
| 09/01/98 - 09/08/98 | 170 | 6.0 | 8.5 | 7.8 | 100 |
| 09/08/98 - 09/15/98 | 166 | 5.4 | 6.8 | 6.3 | 100 |
| 09/15/98 - 09/21/98 | 145 | 5.7 | 7.0 | 6.3 | 100 |
| 09/21/98 - 09/29/98 | 192 | 6.0 | 6.9 | 6.4 | 100 |
| 09/29/98 - 10/06/98 | 168 | 5.3 | 7.9 | 6.7 | 100 |
| 10/06/98 - 10/13/98 | 167 | 5.9 | 7.7 | 7.0 | 100 |
| 10/13/98 - 10/20/98 | 168 | 6.0 | 8.0 | 7.0 | 100 |
| 10/20/98 - 10/27/98 | 168 | 6.1 | 7.5 | 6.9 | 100 |
| 10/27/98 - 11/03/98 | 169 | 5.8 | 7.7 | 6.9 | 100 |
| 11/03/98 - 11/12/98 | 218 | 6.6 | 8.4 | 7.7 | 100 |
| 11/12/98 - 11/19/98 | | | NO DATA | | |
| 11/19/98 - 11/23/98 | 96 | 7.0 | 7.8 | 7.3 | 100 |
| 11/23/98 - 12/01/98 | 191 | 6.1 | 8.1 | 7.4 | 100 |
| 12/01/98 - 12/08/98 | 168 | 6.5 | 8.5 | 7.4 | 100 |
| 12/08/98 - 12/15/98 | | | NO DATA | | |
| 12/15/98 - 12/21/98 | | | NO DATA | | |
| 12/21/98 - 12/29/98 | 191 | 7.7 | 8.8 | 8.2 | 100 |
| 12/29/98 - 01/12/99 | 168 | 7.9 | 9.0 | 8.4 | 100 |
| 12/29/98 - 01/12/99 | 168 | 2.0 | 9.3 | 8.4 | 99 |
| 01/12/99 - 01/19/99 | 168 | 7.0 | 9.0 | 8.3 | 100 |
| 01/19/99 - 01/26/99 | 169 | 7.5 | 10.5 | 8.9 | 100 |
| 01/26/99 - 02/02/99 | 169 | 3.7 | 8.5 | 7.9 | 99 |
| 02/02/99 - 02/09/99 | 166 | 7.5 | 8.7 | 8.3 | 100 |
| 02/09/99 - 02/16/99 | 166 | 7.0 | 9.6 | 8.4 | 100 |
| 02/16/99 - 02/23/99 | 169 | 7.9 | 9.9 | 8.5 | 100 |
| 02/23/99 - 03/02/99 | 168 | 6.7 | 10.6 | 8.6 | 100 |
| 03/02/99 - 03/10/99 | 192 | 7.0 | 11.0 | 8.5 | 100 |
| 03/10/99 - 03/16/99 | 144 | 7.5 | 9.8 | 8.5 | 100 |
| 03/16/99 - 03/23/99 | 167 | 7.4 | 10.5 | 8.7 | 100 |
| 03/23/99 - 03/30/99 | 169 | 8.0 | 10.8 | 8.7 | 100 |
| 03/30/99 - 04/06/99 | 167 | 5.6 | 8.8 | 7.7 | 100 |
| 04/06/99 - 04/13/99 | 168 | 6.0 | 8.8 | 7.8 | 100 |
| 04/13/99 - 04/20/99 | 168 | 6.3 | 9.4 | 8.0 | 100 |
| 04/20/99 - 04/27/99 | 169 | 6.3 | 9.3 | 7.7 | 100 |
| 04/27/99 - 05/04/99 | 168 | 6.0 | 8.8 | 7.3 | 100 |
| 05/04/99 - 05/11/99 | 166 | 6.5 | 8.1 | 7.4 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-4 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT DEVON AVENUE ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | 168 | 6.1 | 7.9 | 7.2 | 100 |
| 05/18/99 - 05/25/99 | 168 | 5.9 | 8.2 | 7.1 | 100 |
| 05/25/99 - 06/01/99 | 167 | 4.9 | 8.4 | 7.0 | 100 |
| 06/01/99 - 06/08/99 | 168 | 6.2 | 8.4 | 7.3 | 100 |
| 06/08/99 - 06/15/99 | 169 | 5.3 | 7.9 | 6.7 | 100 |
| 06/15/99 - 06/22/99 | 168 | 5.6 | 7.9 | 7.0 | 100 |
| 06/22/99 - 06/29/99 | 167 | 3.5 | 6.9 | 5.8 | 99 |
| 06/29/99 - 07/06/99 | 168 | 1.9 | 7.0 | 6.2 | 99 |
| 07/06/99 - 07/13/99 | | | NO DATA | | |
| 07/13/99 - 07/20/99 | 167 | 6.4 | 7.4 | 6.9 | 100 |
| 07/20/99 - 07/27/99 | 168 | 5.3 | 7.3 | 6.2 | 100 |
| 07/27/99 - 08/03/99 | 167 | 5.1 | 6.5 | 5.8 | 100 |
| 08/03/99 - 08/10/99 | 168 | 5.0 | 6.5 | 5.8 | 100 |
| 08/10/99 - 08/17/99 | 168 | 5.3 | 6.7 | 6.0 | 100 |
| 08/17/99 - 08/24/99 | 170 | 5.3 | 6.8 | 6.2 | 100 |
| 08/24/99 - 08/31/99 | 165 | 4.4 | 7.1 | 6.3 | 100 |
| 08/31/99 - 09/07/99 | 170 | 6.2 | 7.1 | 6.6 | 100 |
| 09/07/99 - 09/14/99 | 168 | 5.7 | 7.3 | 6.5 | 100 |
| 09/14/99 - 09/21/99 | 167 | 5.0 | 7.1 | 6.5 | 100 |
| 09/21/99 - 09/28/99 | 167 | 5.7 | 7.6 | 6.8 | 100 |
| 09/28/99 - 10/05/99 | 169 | 5.6 | 8.0 | 6.5 | 100 |
| 10/05/99 - 10/12/99 | 169 | 6.1 | 7.1 | 6.6 | 100 |
| 10/12/99 - 10/19/99 | 166 | 6.3 | 7.5 | 6.9 | 100 |
| 10/19/99 - 10/26/99 | 169 | 6.5 | 8.0 | 7.2 | 100 |
| 10/26/99 - 11/02/99 | 167 | 6.3 | 8.1 | 7.3 | 100 |
| 11/02/99 - 11/09/99 | | | NO DATA | | |
| 11/09/99 - 11/16/99 | 168 | 5.8 | 7.4 | 6.8 | 100 |
| 11/16/99 - 11/23/99 | 170 | 4.8 | 7.7 | 7.2 | 100 |
| 11/23/99 - 11/30/99 | | | NO DATA | | |
| 11/30/99 - 12/07/99 | 168 | 5.5 | 8.4 | 7.4 | 100 |
| 12/07/99 - 12/14/99 | 168 | 7.1 | 8.2 | 7.6 | 100 |
| 12/14/99 - 12/21/99 | 170 | 6.6 | 8.7 | 7.7 | 100 |
| 12/21/99 - 12/28/99 | 165 | 6.0 | 9.7 | 8.3 | 100 |
| 12/28/99 - 01/04/00 | | | NO DATA | | |
| 01/04/00 - 01/11/00 | 168 | 7.3 | 8.9 | 8.4 | 100 |
| 01/11/00 - 01/18/00 | 168 | 7.8 | 9.1 | 8.6 | 100 |
| 01/18/00 - 01/25/00 | 168 | 7.8 | 9.1 | 8.4 | 100 |
| 01/25/00 - 02/01/00 | 167 | 7.1 | 8.9 | 8.4 | 100 |
| 02/01/00 - 02/08/00 | | | NO DATA | | |
| 02/08/00 - 02/15/00 | 167 | 7.3 | 8.6 | 7.9 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-4 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT DEVON AVENUE ON THE NORTH SHORE CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|---------|------|--|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 168 | 7.1 | 9.2 | 8.3 | 100 |
| 02/22/00 - 02/29/00 | 168 | 6.8 | 8.6 | 7.8 | 100 |
| 02/29/00 - 03/07/00 | 169 | 7.1 | 8.6 | 7.8 | 100 |
| 03/07/00 - 03/14/00 | 167 | 6.9 | 8.7 | 7.6 | 100 |
| 03/14/00 - 03/21/00 | 169 | 4.8 | 8.9 | 7.6 | 100 |
| 03/21/00 - 03/28/00 | 167 | 5.9 | 8.5 | 7.5 | 100 |
| 03/28/00 - 04/04/00 | 165 | 6.9 | 9.8 | 7.9 | 100 |
| 04/04/00 - 04/11/00 | 170 | 5.6 | 11.5 | 8.3 | 100 |
| 04/11/00 - 04/18/00 | 166 | 5.9 | 9.4 | 8.1 | 100 |
| 04/18/00 - 04/25/00 | 168 | 6.5 | 9.3 | 7.8 | 100 |
| 04/25/00 - 05/02/00 | 169 | 7.0 | 9.2 | 7.8 | 100 |
| 05/02/00 - 05/09/00 | 167 | 5.5 | 7.8 | 6.8 | 100 |
| 05/09/00 - 05/16/00 | 168 | 4.8 | 7.7 | 6.4 | 100 |
| 05/16/00 - 05/23/00 | 168 | 5.7 | 7.3 | 6.6 | 100 |
| 05/23/00 - 05/30/00 | | | NO DATA | | |
| 05/30/00 - 06/06/00 | 169 | 5.2 | 7.3 | 6.4 | 100 |
| 06/06/00 - 06/13/00 | 167 | 5.7 | 7.5 | 6.4 | 100 |
| 06/13/00 - 06/20/00 | 167 | 5.1 | 7.1 | 6.2 | 100 |
| 06/20/00 - 06/27/00 | 169 | 4.7 | 7.0 | 6.1 | 100 |
| 06/27/00 - 07/03/00 | 144 | 3.7 | 7.0 | 6.3 | 99 |
| 07/03/00 - 07/12/00 | 218 | 4.4 | 6.8 | 5.9 | 100 |
| 07/12/00 - 07/18/00 | 144 | 4.9 | 6.4 | 5.7 | 100 |
| 07/18/00 - 07/25/00 | 165 | 3.3 | 6.4 | 5.6 | 99 |
| 07/25/00 - 08/01/00 | 169 | 5.3 | 6.7 | 6.0 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-5

WEEKLY DO SUMMARY STATISTICS
 AT LAWRENCE AVENUE ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | 166 | 1.9 | 7.4 | 6.2 | >99 |
| 08/11/98 - 08/18/98 | 172 | 5.6 | 7.8 | 6.5 | 100 |
| 08/18/98 - 08/25/98 | 165 | 5.5 | 8.3 | 7.4 | 100 |
| 08/25/98 - 09/01/98 | 167 | 5.1 | 7.1 | 6.3 | 100 |
| 09/01/98 - 09/08/98 | 169 | 5.2 | 7.3 | 6.3 | 100 |
| 09/08/98 - 09/15/98 | 166 | 5.2 | 6.8 | 6.2 | 100 |
| 09/15/98 - 09/21/98 | 146 | 4.6 | 7.1 | 6.2 | 100 |
| 09/21/98 - 09/29/98 | 191 | 5.5 | 7.0 | 6.3 | 100 |
| 09/29/98 - 10/06/98 | 167 | 5.5 | 7.6 | 6.7 | 100 |
| 10/06/98 - 10/13/98 | 168 | 5.9 | 7.6 | 6.8 | 100 |
| 10/13/98 - 10/20/98 | 167 | 5.8 | 8.0 | 7.0 | 100 |
| 10/20/98 - 10/27/98 | 169 | 6.7 | 8.3 | 7.5 | 100 |
| 10/27/98 - 11/03/98 | 169 | 5.9 | 7.8 | 6.8 | 100 |
| 11/03/98 - 11/10/98 | 166 | 6.3 | 7.9 | 7.0 | 100 |
| 11/10/98 - 11/19/98 | 216 | 6.6 | 9.2 | 7.7 | 100 |
| 11/19/98 - 11/23/98 | | | NO DATA | | |
| 11/23/98 - 12/01/98 | 190 | 5.7 | 7.5 | 6.8 | 100 |
| 12/01/98 - 12/08/98 | 169 | 6.1 | 9.2 | 7.2 | 100 |
| 12/08/98 - 12/15/98 | 168 | 7.1 | 8.7 | 7.8 | 100 |
| 12/15/98 - 12/21/98 | 142 | 6.9 | 8.3 | 7.5 | 100 |
| 12/21/98 - 12/29/98 | 191 | 7.0 | 8.6 | 7.8 | 100 |
| 12/29/98 - 01/05/99 | 157 | 7.0 | 8.7 | 8.1 | 100 |
| 01/05/98 - 01/12/99 | 169 | 6.8 | 8.6 | 7.7 | 100 |
| 01/12/99 - 01/19/99 | 168 | 7.2 | 9.3 | 8.2 | 100 |
| 01/19/99 - 01/26/99 | 166 | 8.3 | 11.9 | 10.3 | 100 |
| 01/26/99 - 02/02/99 | 169 | 8.9 | 11.2 | 10.1 | 100 |
| 02/02/99 - 02/09/99 | 168 | 8.8 | 10.6 | 9.8 | 100 |
| 02/09/99 - 02/16/99 | 166 | 8.5 | 10.1 | 9.4 | 100 |
| 02/16/99 - 02/23/99 | 169 | 8.4 | 9.9 | 8.9 | 100 |
| 02/23/99 - 03/02/99 | | | NO DATA | | |
| 03/02/99 - 03/10/99 | 192 | 7.5 | 11.4 | 9.0 | 100 |
| 03/10/99 - 03/16/99 | 144 | 8.2 | 10.7 | 9.4 | 100 |
| 03/16/99 - 03/23/99 | 167 | 8.4 | 10.9 | 9.5 | 100 |
| 03/23/99 - 03/30/99 | 168 | 7.5 | 10.2 | 8.7 | 100 |
| 03/30/99 - 04/06/99 | 165 | 6.1 | 8.5 | 7.3 | 100 |
| 04/06/99 - 04/13/99 | 169 | 6.6 | 9.8 | 8.3 | 100 |
| 04/13/99 - 04/20/99 | 167 | 7.4 | 9.6 | 8.6 | 100 |
| 04/20/99 - 04/27/99 | 168 | 7.5 | 10.1 | 9.1 | 100 |
| 04/27/99 - 05/04/99 | 168 | 7.1 | 9.3 | 8.5 | 100 |
| 05/04/99 - 05/11/99 | 167 | 6.1 | 8.3 | 7.2 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-5 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT LAWRENCE AVENUE ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|-----|------|--|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | 168 | 5.8 | 8.1 | 7.3 | 100 |
| 05/18/99 - 05/25/99 | 167 | 5.7 | 8.7 | 7.1 | 100 |
| 05/25/99 - 06/01/99 | 168 | 4.3 | 8.0 | 6.7 | 100 |
| 06/01/99 - 06/08/99 | 168 | 5.5 | 7.9 | 7.0 | 100 |
| 06/08/99 - 06/15/99 | 169 | 1.8 | 9.1 | 6.7 | 99 |
| 06/15/99 - 06/22/99 | 168 | 6.0 | 7.9 | 7.1 | 100 |
| 06/22/99 - 06/29/99 | 167 | 3.3 | 6.8 | 5.4 | 96 |
| 06/29/99 - 07/06/99 | 169 | 4.2 | 6.8 | 6.0 | 100 |
| 07/06/99 - 07/13/99 | 168 | 4.8 | 7.6 | 6.3 | 100 |
| 07/13/99 - 07/20/99 | 167 | 4.8 | 7.0 | 6.0 | 100 |
| 07/20/99 - 07/27/99 | 168 | 1.7 | 6.6 | 5.0 | 83 |
| 07/27/99 - 08/03/99 | 167 | 4.8 | 7.2 | 6.1 | 100 |
| 08/03/99 - 08/10/99 | 167 | 5.8 | 7.2 | 6.5 | 100 |
| 08/10/99 - 08/17/99 | 169 | 4.6 | 7.2 | 6.0 | 100 |
| 08/17/99 - 08/24/99 | 169 | 5.3 | 7.0 | 6.3 | 100 |
| 08/24/99 - 08/31/99 | 166 | 4.9 | 7.3 | 6.3 | 100 |
| 08/31/99 - 09/07/99 | 170 | 5.7 | 7.4 | 6.6 | 100 |
| 09/07/99 - 09/14/99 | 168 | 5.1 | 7.2 | 6.2 | 100 |
| 09/14/99 - 09/21/99 | 166 | 5.3 | 7.3 | 6.3 | 100 |
| 09/21/99 - 09/28/99 | 168 | 5.2 | 7.3 | 6.6 | 100 |
| 09/28/99 - 10/05/99 | 168 | 5.6 | 8.2 | 6.8 | 100 |
| 10/05/99 - 10/12/99 | 169 | 5.4 | 7.1 | 6.3 | 100 |
| 10/12/99 - 10/19/99 | 167 | 5.5 | 7.6 | 6.4 | 100 |
| 10/19/99 - 10/26/99 | 169 | 5.9 | 8.0 | 6.9 | 100 |
| 10/26/99 - 11/02/99 | 167 | 5.9 | 8.0 | 6.8 | 100 |
| 11/02/99 - 11/09/99 | 167 | 5.7 | 7.6 | 6.5 | 100 |
| 11/09/99 - 11/16/99 | 168 | 5.7 | 7.6 | 6.3 | 100 |
| 11/16/99 - 11/23/99 | 169 | 5.0 | 7.7 | 6.5 | 100 |
| 11/23/99 - 11/30/99 | 167 | 5.3 | 7.7 | 6.8 | 100 |
| 11/30/99 - 12/07/99 | 169 | 6.0 | 9.3 | 7.5 | 100 |
| 12/07/99 - 12/14/99 | 168 | 6.2 | 8.0 | 7.1 | 100 |
| 12/14/99 - 12/21/99 | 168 | 6.4 | 8.1 | 7.4 | 100 |
| 12/21/99 - 12/28/99 | 167 | 7.3 | 8.9 | 8.0 | 100 |
| 12/28/99 - 01/04/00 | 167 | 5.9 | 8.3 | 7.6 | 100 |
| 01/04/00 - 01/11/00 | 168 | 6.9 | 9.3 | 7.9 | 100 |
| 01/11/00 - 01/18/00 | 169 | 7.5 | 9.6 | 8.3 | 100 |
| 01/18/00 - 01/25/00 | 166 | 7.3 | 8.9 | 8.1 | 100 |
| 01/25/00 - 02/01/00 | 169 | 6.7 | 8.7 | 7.9 | 100 |
| 02/01/00 - 02/08/00 | 169 | 7.2 | 9.0 | 7.8 | 100 |
| 02/08/00 - 02/15/00 | 165 | 7.0 | 8.7 | 7.9 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-5 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT LAWRENCE AVENUE ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|------|------|--|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 169 | 7.1 | 9.1 | 8.1 | 100 |
| 02/22/00 - 02/29/00 | 168 | 7.4 | 9.0 | 8.2 | 100 |
| 02/29/00 - 03/07/00 | 168 | 6.4 | 8.4 | 7.5 | 100 |
| 03/07/00 - 03/14/00 | 167 | 5.8 | 8.8 | 7.0 | 100 |
| 03/14/00 - 03/21/00 | 169 | 4.1 | 8.4 | 7.2 | 100 |
| 03/21/00 - 03/28/00 | 167 | 4.4 | 8.4 | 7.0 | 100 |
| 03/28/00 - 04/04/00 | 167 | 6.5 | 9.4 | 7.7 | 100 |
| 04/04/00 - 04/11/00 | 170 | 4.8 | 10.0 | 7.6 | 100 |
| 04/11/00 - 04/18/00 | 166 | 6.5 | 9.3 | 8.0 | 100 |
| 04/18/00 - 04/25/00 | 169 | 6.7 | 9.1 | 8.2 | 100 |
| 04/25/00 - 05/02/00 | 169 | 6.3 | 9.2 | 7.7 | 100 |
| 05/02/00 - 05/09/00 | 167 | 4.9 | 8.7 | 6.7 | 100 |
| 05/09/00 - 05/16/00 | 168 | 3.4 | 7.7 | 6.6 | 99 |
| 05/16/00 - 05/23/00 | 167 | 6.2 | 8.2 | 7.2 | 100 |
| 05/23/00 - 05/30/00 | 169 | 5.7 | 7.8 | 7.0 | 100 |
| 05/30/00 - 06/06/00 | 170 | 6.0 | 8.0 | 7.0 | 100 |
| 06/06/00 - 06/13/00 | 166 | 5.5 | 7.8 | 6.6 | 100 |
| 06/13/00 - 06/20/00 | 168 | 5.8 | 7.6 | 6.8 | 100 |
| 06/20/00 - 06/27/00 | 168 | 5.4 | 7.0 | 6.4 | 100 |
| 06/27/00 - 07/03/00 | 144 | 5.3 | 7.6 | 6.5 | 100 |
| 07/03/00 - 07/12/00 | 218 | 3.9 | 7.1 | 6.4 | 100 |
| 07/12/00 - 07/18/00 | 144 | 5.4 | 7.1 | 6.5 | 100 |
| 07/18/00 - 07/25/00 | 165 | 5.5 | 7.3 | 6.5 | 100 |
| 07/25/00 - 08/01/00 | 169 | 5.2 | 7.4 | 6.6 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-6

WEEKLY DO SUMMARY STATISTICS
 AT ADDISON STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|------|------|--|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | 168 | 0.7 | 6.9 | 5.9 | 97 |
| 08/11/98 - 08/18/98 | 172 | 4.8 | 7.3 | 5.9 | 100 |
| 08/18/98 - 08/25/98 | 163 | 3.7 | 6.5 | 5.4 | 99 |
| 08/25/98 - 09/01/98 | 167 | 4.7 | 6.7 | 5.9 | 100 |
| 09/01/98 - 09/08/98 | 170 | 4.5 | 6.4 | 5.4 | 100 |
| 09/08/98 - 09/15/98 | 165 | 5.0 | 6.7 | 6.0 | 100 |
| 09/15/98 - 09/21/98 | 145 | 3.7 | 6.4 | 5.5 | 98 |
| 09/21/98 - 09/29/98 | 192 | 4.9 | 6.4 | 5.7 | 100 |
| 09/29/98 - 10/06/98 | 168 | 5.2 | 7.1 | 6.3 | 100 |
| 10/06/98 - 10/13/98 | 167 | 5.5 | 7.1 | 6.3 | 100 |
| 10/13/98 - 10/20/98 | 168 | 5.5 | 7.6 | 6.5 | 100 |
| 10/20/98 - 10/27/98 | 168 | 5.6 | 7.7 | 6.7 | 100 |
| 10/27/98 - 11/03/98 | 168 | 1.9 | 7.6 | 6.5 | 99 |
| 11/03/98 - 11/10/98 | 165 | 5.7 | 7.5 | 6.8 | 100 |
| 11/10/98 - 11/19/98 | 217 | 6.3 | 9.0 | 7.5 | 100 |
| 11/19/98 - 11/23/98 | 96 | 6.2 | 7.7 | 6.7 | 100 |
| 11/23/98 - 12/01/98 | 191 | 4.7 | 6.5 | 5.9 | 100 |
| 12/01/98 - 12/08/98 | 169 | 5.5 | 9.3 | 6.7 | 100 |
| 12/08/98 - 12/15/98 | 165 | 6.6 | 8.3 | 7.5 | 100 |
| 12/15/98 - 12/21/98 | 143 | 6.6 | 8.0 | 7.1 | 100 |
| 12/21/98 - 12/29/98 | 191 | 6.5 | 7.9 | 7.3 | 100 |
| 12/29/98 - 01/05/99 | 165 | 7.3 | 8.8 | 8.0 | 100 |
| 01/05/98 - 01/12/99 | 166 | 6.9 | 8.8 | 7.6 | 100 |
| 01/12/99 - 01/19/99 | 168 | 6.2 | 8.6 | 7.5 | 100 |
| 01/19/99 - 01/26/99 | 167 | 7.6 | 11.0 | 9.4 | 100 |
| 01/26/99 - 02/02/99 | 168 | 8.2 | 10.6 | 9.4 | 100 |
| 02/02/99 - 02/09/99 | 168 | 7.7 | 9.4 | 8.8 | 100 |
| 02/09/99 - 02/16/99 | 166 | 8.0 | 9.5 | 8.8 | 100 |
| 02/16/99 - 02/23/99 | 168 | 7.6 | 9.1 | 8.2 | 100 |
| 02/23/99 - 03/02/99 | 168 | 6.9 | 9.6 | 8.1 | 100 |
| 03/02/99 - 03/10/99 | 192 | 7.1 | 10.9 | 8.7 | 100 |
| 03/10/99 - 03/16/99 | 144 | 8.1 | 10.4 | 9.2 | 100 |
| 03/16/99 - 03/23/99 | 168 | 8.9 | 11.0 | 9.8 | 100 |
| 03/23/99 - 03/30/99 | 168 | 7.1 | 9.7 | 8.3 | 100 |
| 03/30/99 - 04/06/99 | 167 | 5.3 | 7.9 | 6.6 | 100 |
| 04/06/99 - 04/13/99 | 168 | 5.7 | 8.8 | 7.6 | 100 |
| 04/13/99 - 04/20/99 | 168 | 6.7 | 9.4 | 8.1 | 100 |
| 04/20/99 - 04/27/99 | 169 | 6.6 | 9.5 | 8.4 | 100 |
| 04/27/99 - 05/04/99 | 168 | 6.3 | 9.5 | 8.4 | 100 |
| 05/04/99 - 05/11/99 | 167 | 5.7 | 7.5 | 6.6 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-6 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT ADDISON STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|-----|------|--|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | 168 | 5.5 | 7.6 | 6.7 | 100 |
| 05/18/99 - 05/25/99 | 168 | 5.3 | 7.4 | 6.3 | 100 |
| 05/25/99 - 06/01/99 | 167 | 3.8 | 7.4 | 6.2 | 99 |
| 06/01/99 - 06/08/99 | 167 | 4.8 | 7.4 | 6.4 | 100 |
| 06/08/99 - 06/15/99 | 170 | 1.1 | 7.7 | 6.1 | 97 |
| 06/15/99 - 06/22/99 | 168 | 5.4 | 7.9 | 6.6 | 100 |
| 06/22/99 - 06/29/99 | 167 | 4.4 | 6.2 | 5.2 | 100 |
| 06/29/99 - 07/06/99 | 168 | 4.1 | 6.4 | 5.7 | 100 |
| 07/06/99 - 07/13/99 | 169 | 4.2 | 7.3 | 5.8 | 100 |
| 07/13/99 - 07/20/99 | 167 | 4.2 | 6.4 | 5.4 | 100 |
| 07/20/99 - 07/27/99 | 168 | 0.9 | 6.7 | 5.7 | 97 |
| 07/27/99 - 08/03/99 | 167 | 4.8 | 6.8 | 5.9 | 100 |
| 08/03/99 - 08/10/99 | 167 | 5.0 | 6.4 | 5.7 | 100 |
| 08/10/99 - 08/17/99 | 168 | 4.5 | 7.0 | 5.7 | 100 |
| 08/17/99 - 08/24/99 | 170 | 4.6 | 6.5 | 5.7 | 100 |
| 08/24/99 - 08/31/99 | 166 | 4.8 | 6.9 | 6.0 | 100 |
| 08/31/99 - 09/07/99 | 170 | 5.4 | 6.8 | 6.1 | 100 |
| 09/07/99 - 09/14/99 | 168 | 4.8 | 6.9 | 5.9 | 100 |
| 09/14/99 - 09/21/99 | 167 | 5.1 | 7.0 | 6.0 | 100 |
| 09/21/99 - 09/28/99 | 167 | 5.1 | 7.0 | 6.2 | 100 |
| 09/28/99 - 10/05/99 | 168 | 5.3 | 8.1 | 6.4 | 100 |
| 10/05/99 - 10/12/99 | 169 | 4.8 | 6.9 | 5.8 | 100 |
| 10/12/99 - 10/19/99 | 166 | 5.1 | 7.1 | 5.9 | 100 |
| 10/19/99 - 10/26/99 | 169 | 5.2 | 7.6 | 6.5 | 100 |
| 10/26/99 - 11/02/99 | 167 | 5.4 | 7.5 | 6.3 | 100 |
| 11/02/99 - 11/09/99 | 167 | 5.7 | 7.2 | 6.3 | 100 |
| 11/09/99 - 11/16/99 | 169 | 5.1 | 7.1 | 5.9 | 100 |
| 11/16/99 - 11/23/99 | 170 | 4.4 | 7.2 | 6.1 | 100 |
| 11/23/99 - 11/30/99 | 167 | 4.8 | 7.4 | 6.5 | 100 |
| 11/30/99 - 12/07/99 | 169 | 5.7 | 8.9 | 7.1 | 100 |
| 12/07/99 - 12/14/99 | 167 | 6.2 | 8.0 | 7.0 | 100 |
| 12/14/99 - 12/21/99 | 168 | 5.6 | 7.7 | 7.0 | 100 |
| 12/21/99 - 12/28/99 | 167 | 6.9 | 8.2 | 7.4 | 100 |
| 12/28/99 - 01/04/00 | 168 | 5.1 | 7.7 | 7.0 | 100 |
| 01/04/00 - 01/11/00 | 168 | 5.8 | 8.6 | 7.4 | 100 |
| 01/11/00 - 01/18/00 | 168 | 6.9 | 8.7 | 7.7 | 100 |
| 01/18/00 - 01/25/00 | 167 | 6.4 | 8.0 | 7.3 | 100 |
| 01/25/00 - 02/01/00 | 169 | 5.8 | 7.8 | 7.1 | 100 |
| 02/01/00 - 02/08/00 | 169 | 5.9 | 8.3 | 7.1 | 100 |
| 02/08/00 - 02/15/00 | 167 | 6.4 | 7.7 | 7.2 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-6 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT ADDISON STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|-----|------|--|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 168 | 6.5 | 8.6 | 7.5 | 100 |
| 02/22/00 - 02/29/00 | 168 | 6.9 | 9.0 | 8.0 | 100 |
| 02/29/00 - 03/07/00 | 168 | 5.6 | 7.6 | 6.7 | 100 |
| 03/07/00 - 03/14/00 | 166 | 5.1 | 8.1 | 6.1 | 100 |
| 03/14/00 - 03/21/00 | 168 | 3.0 | 7.6 | 6.3 | 97 |
| 03/21/00 - 03/28/00 | 167 | 4.3 | 8.1 | 6.5 | 100 |
| 03/28/00 - 04/04/00 | 167 | 5.8 | 8.2 | 6.7 | 100 |
| 04/04/00 - 04/11/00 | 170 | 4.3 | 9.1 | 7.3 | 100 |
| 04/11/00 - 04/18/00 | 166 | 5.4 | 8.4 | 7.2 | 100 |
| 04/18/00 - 04/25/00 | 168 | 5.7 | 8.9 | 7.8 | 100 |
| 04/25/00 - 05/02/00 | 169 | 5.8 | 8.9 | 7.2 | 100 |
| 05/02/00 - 05/09/00 | 168 | 4.3 | 8.0 | 6.3 | 100 |
| 05/09/00 - 05/16/00 | 167 | 3.9 | 7.4 | 6.1 | 99 |
| 05/16/00 - 05/23/00 | 168 | 5.4 | 8.0 | 6.8 | 100 |
| 05/23/00 - 05/30/00 | 169 | 4.2 | 7.3 | 6.4 | 100 |
| 05/30/00 - 06/06/00 | 169 | 5.4 | 7.4 | 6.4 | 100 |
| 06/06/00 - 06/13/00 | 167 | 5.2 | 7.3 | 6.2 | 100 |
| 06/13/00 - 06/20/00 | 167 | 5.2 | 7.2 | 6.2 | 100 |
| 06/20/00 - 06/27/00 | 167 | 4.8 | 6.5 | 5.8 | 100 |
| 06/27/00 - 07/03/00 | 146 | 3.0 | 6.8 | 5.8 | 99 |
| 07/03/00 - 07/12/00 | 218 | 2.4 | 6.6 | 5.9 | 99 |
| 07/12/00 - 07/18/00 | 144 | 4.8 | 6.7 | 6.0 | 100 |
| 07/18/00 - 07/25/00 | 165 | 4.7 | 6.4 | 5.6 | 100 |
| 07/25/00 - 08/01/00 | 169 | 4.7 | 6.6 | 5.8 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-7

WEEKLY DO SUMMARY STATISTICS
 AT FULLERTON AVENUE ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | 168 | 0.1 | 5.0 | 3.3 | 30 |
| 08/11/98 - 08/18/98 | 172 | 3.0 | 5.7 | 4.3 | 69 |
| 08/18/98 - 08/25/98 | 162 | 2.2 | 5.3 | 4.2 | 62 |
| 08/25/98 - 09/01/98 | 167 | 4.0 | 5.8 | 5.0 | 100 |
| 09/01/98 - 09/08/98 | | | NO DATA | | |
| 09/08/98 - 09/15/98 | 166 | 3.5 | 5.4 | 4.6 | 91 |
| 09/15/98 - 09/21/98 | 146 | 3.9 | 5.5 | 4.8 | 99 |
| 09/21/98 - 09/29/98 | 191 | 4.0 | 5.8 | 5.2 | 99 |
| 09/29/98 - 10/06/98 | 168 | 4.9 | 6.6 | 5.7 | 100 |
| 10/06/98 - 10/13/98 | 167 | 4.8 | 6.3 | 5.7 | 100 |
| 10/13/98 - 10/20/98 | 167 | 5.0 | 7.2 | 6.0 | 100 |
| 10/20/98 - 10/27/98 | 168 | 5.6 | 7.9 | 6.8 | 100 |
| 10/27/98 - 11/03/98 | 169 | 1.3 | 6.4 | 5.4 | 96 |
| 11/03/98 - 11/10/98 | | | NO DATA | | |
| 11/10/98 - 11/19/98 | 216 | 5.8 | 8.6 | 6.9 | 100 |
| 11/19/98 - 11/23/98 | 97 | 5.9 | 7.2 | 6.5 | 100 |
| 11/23/98 - 12/01/98 | 191 | 4.2 | 6.5 | 5.6 | 100 |
| 12/01/98 - 12/08/98 | 168 | 4.7 | 8.6 | 5.9 | 100 |
| 12/08/98 - 12/15/98 | 168 | 6.1 | 7.6 | 6.9 | 100 |
| 12/15/98 - 12/21/98 | 144 | 5.9 | 7.1 | 6.4 | 100 |
| 12/21/98 - 12/29/98 | 191 | 6.3 | 7.5 | 6.9 | 100 |
| 12/29/98 - 01/05/99 | | | NO DATA | | |
| 01/05/99 - 01/12/99 | | | NO DATA | | |
| 01/12/99 - 01/19/99 | 168 | 5.4 | 8.2 | 6.9 | 100 |
| 01/19/99 - 01/26/99 | 166 | 7.0 | 10.9 | 9.1 | 100 |
| 01/26/99 - 02/02/99 | 169 | 8.1 | 10.5 | 9.4 | 100 |
| 02/02/99 - 02/09/99 | 168 | 7.7 | 9.1 | 8.6 | 100 |
| 02/09/99 - 02/16/99 | 166 | 7.4 | 8.8 | 8.1 | 100 |
| 02/16/99 - 02/23/99 | 169 | 7.4 | 8.6 | 7.9 | 100 |
| 02/23/99 - 03/02/99 | 167 | 6.6 | 8.8 | 7.7 | 100 |
| 03/02/99 - 03/10/99 | 191 | 6.5 | 9.6 | 8.0 | 100 |
| 03/10/99 - 03/16/99 | 145 | 7.3 | 9.2 | 8.2 | 100 |
| 03/16/99 - 03/23/99 | 167 | 7.5 | 9.8 | 8.7 | 100 |
| 03/23/99 - 03/30/99 | 168 | 6.2 | 8.2 | 7.3 | 100 |
| 03/30/99 - 04/06/99 | 167 | 4.0 | 7.5 | 5.4 | 100 |
| 04/06/99 - 04/13/99 | 168 | 4.6 | 8.3 | 6.8 | 100 |
| 04/13/99 - 04/20/99 | 168 | 5.8 | 8.7 | 7.3 | 100 |
| 04/20/99 - 04/27/99 | 167 | 5.5 | 8.7 | 7.4 | 100 |
| 04/27/99 - 05/04/99 | 169 | 5.1 | 8.3 | 7.0 | 100 |
| 05/04/99 - 05/11/99 | 166 | 4.1 | 6.7 | 5.2 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-7 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT FULLERTON AVENUE ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|---------|------|--|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | | | NO DATA | | |
| 05/18/99 - 05/25/99 | 167 | 4.2 | 6.4 | 5.2 | 100 |
| 05/25/99 - 06/01/99 | 168 | 2.3 | 6.2 | 4.8 | 90 |
| 06/01/99 - 06/08/99 | 168 | 3.6 | 6.5 | 5.3 | 92 |
| 06/08/99 - 06/15/99 | | | NO DATA | | |
| 06/15/99 - 06/22/99 | 168 | 3.6 | 6.4 | 5.5 | 98 |
| 06/22/99 - 06/29/99 | 166 | 4.1 | 6.4 | 5.1 | 100 |
| 06/29/99 - 07/06/99 | 168 | 3.4 | 5.5 | 4.5 | 82 |
| 07/06/99 - 07/13/99 | 166 | 3.5 | 6.0 | 4.8 | 91 |
| 07/13/99 - 07/20/99 | 167 | 3.5 | 5.4 | 4.7 | 93 |
| 07/20/99 - 07/27/99 | 168 | 0.4 | 5.2 | 3.8 | 46 |
| 07/27/99 - 08/03/99 | 167 | 2.6 | 5.4 | 4.2 | 62 |
| 08/03/99 - 08/10/99 | 167 | 3.9 | 5.4 | 4.6 | 97 |
| 08/10/99 - 08/17/99 | 168 | 4.1 | 5.8 | 4.9 | 100 |
| 08/17/99 - 08/24/99 | 170 | 4.2 | 5.9 | 5.1 | 100 |
| 08/24/99 - 08/31/99 | 165 | 4.1 | 5.9 | 5.1 | 100 |
| 08/31/99 - 09/07/99 | 170 | 4.9 | 6.0 | 5.4 | 100 |
| 09/07/99 - 09/14/99 | 168 | 4.5 | 6.1 | 5.4 | 100 |
| 09/14/99 - 09/21/99 | 167 | 5.1 | 6.3 | 5.6 | 100 |
| 09/21/99 - 09/28/99 | 168 | 4.7 | 6.3 | 5.6 | 100 |
| 09/28/99 - 10/05/99 | 168 | 4.2 | 7.5 | 5.9 | 100 |
| 10/05/99 - 10/12/99 | 169 | 4.5 | 6.6 | 5.2 | 100 |
| 10/12/99 - 10/19/99 | 167 | 4.6 | 6.1 | 5.4 | 100 |
| 10/19/99 - 10/26/99 | 169 | 4.7 | 6.8 | 5.9 | 100 |
| 10/26/99 - 11/02/99 | 168 | 4.9 | 7.0 | 5.9 | 100 |
| 11/02/99 - 11/09/99 | 166 | 4.6 | 6.6 | 5.6 | 100 |
| 11/09/99 - 11/16/99 | 168 | 4.8 | 6.7 | 5.5 | 100 |
| 11/16/99 - 11/23/99 | 169 | 5.0 | 6.6 | 5.7 | 100 |
| 11/23/99 - 11/30/99 | 166 | 4.3 | 6.8 | 5.7 | 100 |
| 11/30/99 - 12/07/99 | 169 | 4.8 | 8.2 | 6.5 | 100 |
| 12/07/99 - 12/14/99 | 168 | 5.8 | 7.8 | 6.6 | 100 |
| 12/14/99 - 12/21/99 | 167 | 5.2 | 7.0 | 6.3 | 100 |
| 12/21/99 - 12/28/99 | 167 | 6.5 | 8.0 | 7.1 | 100 |
| 12/28/99 - 01/04/00 | 166 | 5.5 | 7.9 | 6.6 | 100 |
| 01/04/00 - 01/11/00 | 167 | 5.0 | 7.3 | 6.6 | 100 |
| 01/11/00 - 01/18/00 | 168 | 6.5 | 8.2 | 7.3 | 100 |
| 01/18/00 - 01/25/00 | 167 | 6.5 | 7.8 | 7.2 | 100 |
| 01/25/00 - 02/01/00 | 168 | 5.6 | 7.2 | 6.7 | 100 |
| 02/01/00 - 02/08/00 | 169 | 6.1 | 7.9 | 6.9 | 100 |
| 02/08/00 - 02/15/00 | 167 | 6.0 | 7.2 | 6.7 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-7 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT FULLERTON AVENUE ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|-----|------|--|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 168 | 5.8 | 7.8 | 6.8 | 100 |
| 02/22/00 - 02/29/00 | 169 | 6.6 | 7.9 | 7.2 | 100 |
| 02/29/00 - 03/07/00 | 168 | 4.8 | 6.9 | 5.8 | 100 |
| 03/07/00 - 03/14/00 | 167 | 3.9 | 6.5 | 5.1 | 99 |
| 03/14/00 - 03/21/00 | 167 | 2.5 | 6.5 | 5.3 | 95 |
| 03/21/00 - 03/28/00 | 166 | 3.6 | 7.2 | 5.6 | 96 |
| 03/28/00 - 04/04/00 | 167 | 4.3 | 7.4 | 5.6 | 100 |
| 04/04/00 - 04/11/00 | 169 | 3.8 | 8.3 | 6.5 | 99 |
| 04/11/00 - 04/18/00 | 165 | 4.6 | 7.7 | 6.3 | 100 |
| 04/18/00 - 04/25/00 | 169 | 5.0 | 8.3 | 7.1 | 100 |
| 04/25/00 - 05/02/00 | 168 | 4.7 | 8.2 | 6.4 | 100 |
| 05/02/00 - 05/09/00 | 168 | 2.5 | 6.6 | 4.8 | 77 |
| 05/09/00 - 05/16/00 | 167 | 2.1 | 5.8 | 4.8 | 93 |
| 05/16/00 - 05/23/00 | 169 | 4.3 | 7.0 | 5.6 | 100 |
| 05/23/00 - 05/30/00 | 168 | 2.8 | 7.1 | 5.5 | 98 |
| 05/30/00 - 06/06/00 | 170 | 4.0 | 6.4 | 5.1 | 100 |
| 06/06/00 - 06/13/00 | 166 | 3.7 | 6.8 | 5.2 | 99 |
| 06/13/00 - 06/20/00 | 168 | 4.6 | 6.3 | 5.4 | 100 |
| 06/20/00 - 06/27/00 | 167 | 4.0 | 5.9 | 4.9 | 99 |
| 06/27/00 - 07/03/00 | 145 | 1.9 | 5.6 | 4.8 | 97 |
| 07/03/00 - 07/12/00 | 218 | 1.1 | 5.7 | 4.4 | 78 |
| 07/12/00 - 07/18/00 | 144 | 4.4 | 5.9 | 5.1 | 100 |
| 07/18/00 - 07/25/00 | 166 | 3.1 | 5.1 | 4.4 | 85 |
| 07/25/00 - 08/01/00 | 168 | 3.6 | 5.7 | 4.6 | 97 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-8

WEEKLY DO SUMMARY STATISTICS
 AT DIVISION STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|---------|------|--|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | 168 | 0.7 | 6.9 | 4.8 | 78 |
| 08/11/98 - 08/18/98 | 172 | 4.3 | 7.2 | 5.5 | 100 |
| 08/18/98 - 08/25/98 | 164 | 2.7 | 6.7 | 5.4 | 90 |
| 08/25/98 - 09/01/98 | 166 | 4.1 | 6.6 | 5.5 | 100 |
| 09/01/98 - 09/08/98 | 170 | 3.7 | 6.8 | 5.6 | 99 |
| 09/08/98 - 09/15/98 | 164 | 3.4 | 7.2 | 5.7 | 93 |
| 09/15/98 - 09/21/98 | 145 | 3.6 | 6.7 | 5.6 | 96 |
| 09/21/98 - 09/29/98 | 191 | 3.5 | 7.1 | 5.7 | 99 |
| 09/29/98 - 10/06/98 | 167 | 4.4 | 7.8 | 6.1 | 100 |
| 10/06/98 - 10/13/98 | 167 | 4.9 | 8.0 | 6.2 | 100 |
| 10/13/98 - 10/20/98 | 168 | 4.7 | 8.0 | 6.6 | 100 |
| 10/20/98 - 10/27/98 | 168 | 5.1 | 8.6 | 6.9 | 100 |
| 10/27/98 - 11/03/98 | 170 | 0.3 | 7.8 | 5.7 | 93 |
| 11/03/98 - 11/10/98 | 165 | 4.9 | 8.1 | 6.2 | 100 |
| 11/10/98 - 11/19/98 | | | NO DATA | | |
| 11/19/98 - 11/23/98 | 96 | 5.4 | 7.6 | 6.2 | 100 |
| 11/23/98 - 12/01/98 | 192 | 4.5 | 8.0 | 5.9 | 100 |
| 12/01/98 - 12/08/98 | 169 | 4.6 | 8.9 | 6.3 | 100 |
| 12/08/98 - 12/15/98 | 167 | 5.9 | 8.4 | 6.8 | 100 |
| 12/15/98 - 12/21/98 | 143 | 5.6 | 8.2 | 6.5 | 100 |
| 12/21/98 - 12/29/98 | 191 | 6.2 | 7.6 | 6.8 | 100 |
| 12/29/98 - 01/05/99 | 168 | 6.8 | 8.8 | 7.7 | 100 |
| 01/05/98 - 01/12/99 | 169 | 6.7 | 8.5 | 7.5 | 100 |
| 01/12/99 - 01/19/99 | | | NO DATA | | |
| 01/19/99 - 01/26/99 | 143 | 6.6 | 10.5 | 9.5 | 100 |
| 01/26/99 - 02/02/99 | 168 | 7.8 | 10.2 | 9.1 | 100 |
| 02/02/99 - 02/09/99 | 168 | 7.5 | 9.3 | 8.5 | 100 |
| 02/09/99 - 02/16/99 | 167 | 7.3 | 8.8 | 8.1 | 100 |
| 02/16/99 - 02/23/99 | 168 | 6.8 | 8.0 | 7.3 | 100 |
| 02/23/99 - 03/02/99 | 168 | 6.6 | 8.9 | 7.8 | 100 |
| 03/02/99 - 03/10/99 | 191 | 6.7 | 9.7 | 7.9 | 100 |
| 03/10/99 - 03/16/99 | 144 | 7.0 | 9.1 | 7.7 | 100 |
| 03/16/99 - 03/23/99 | 168 | 7.5 | 9.3 | 8.5 | 100 |
| 03/23/99 - 03/30/99 | 168 | 5.9 | 9.2 | 7.3 | 100 |
| 03/30/99 - 04/06/99 | | | NO DATA | | |
| 04/06/99 - 04/13/99 | 168 | 4.7 | 8.0 | 6.7 | 100 |
| 04/13/99 - 04/20/99 | 168 | 4.8 | 8.4 | 6.8 | 100 |
| 04/20/99 - 04/27/99 | 169 | 5.6 | 8.8 | 7.4 | 100 |
| 04/27/99 - 05/04/99 | 168 | 5.0 | 8.3 | 6.8 | 100 |
| 05/04/99 - 05/11/99 | 165 | 4.6 | 7.3 | 5.9 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-8 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT DIVISION STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | 168 | 4.3 | 7.4 | 5.7 | 100 |
| 05/18/99 - 05/25/99 | | | NO DATA | | |
| 05/25/99 - 06/01/99 | 167 | 4.0 | 7.5 | 5.9 | 100 |
| 06/01/99 - 06/08/99 | 167 | 3.5 | 7.7 | 5.9 | 99 |
| 06/08/99 - 06/15/99 | 169 | 0.8 | 8.8 | 5.2 | 91 |
| 06/15/99 - 06/22/99 | 168 | 3.6 | 8.5 | 6.1 | 98 |
| 06/22/99 - 06/29/99 | 166 | 3.6 | 7.1 | 5.3 | 99 |
| 06/29/99 - 07/06/99 | 168 | 3.6 | 8.2 | 6.2 | 99 |
| 07/06/99 - 07/13/99 | 169 | 4.3 | 7.0 | 6.0 | 100 |
| 07/13/99 - 07/20/99 | 167 | 5.2 | 7.2 | 6.2 | 100 |
| 07/20/99 - 07/27/99 | 168 | 0.6 | 6.9 | 4.9 | 90 |
| 07/27/99 - 08/03/99 | 167 | 4.1 | 6.6 | 5.7 | 100 |
| 08/03/99 - 08/10/99 | 168 | 4.6 | 7.1 | 6.1 | 100 |
| 08/10/99 - 08/17/99 | 168 | 4.3 | 7.0 | 6.0 | 100 |
| 08/17/99 - 08/24/99 | 170 | 4.1 | 7.1 | 5.7 | 100 |
| 08/24/99 - 08/31/99 | 166 | 3.7 | 7.1 | 5.7 | 98 |
| 08/31/99 - 09/07/99 | 169 | 4.4 | 7.5 | 6.2 | 100 |
| 09/07/99 - 09/14/99 | 167 | 4.0 | 7.0 | 5.7 | 100 |
| 09/14/99 - 09/21/99 | 167 | 4.4 | 7.6 | 5.8 | 100 |
| 09/21/99 - 09/28/99 | 167 | 4.4 | 7.2 | 5.8 | 100 |
| 09/28/99 - 10/05/99 | 168 | 4.2 | 7.6 | 6.1 | 100 |
| 10/05/99 - 10/12/99 | 168 | 4.2 | 7.3 | 5.9 | 100 |
| 10/12/99 - 10/19/99 | 167 | 4.7 | 8.0 | 6.2 | 100 |
| 10/19/99 - 10/26/99 | 169 | 4.9 | 8.3 | 6.6 | 100 |
| 10/26/99 - 11/02/99 | 167 | 4.8 | 8.9 | 6.5 | 100 |
| 11/02/99 - 11/09/99 | 167 | 4.9 | 8.5 | 6.7 | 100 |
| 11/09/99 - 11/16/99 | 169 | 4.7 | 8.0 | 6.2 | 100 |
| 11/16/99 - 11/23/99 | 170 | 4.9 | 8.8 | 6.8 | 100 |
| 11/23/99 - 11/30/99 | 167 | 4.8 | 10.3 | 7.2 | 100 |
| 11/30/99 - 12/07/99 | 169 | 5.6 | 8.4 | 6.8 | 100 |
| 12/07/99 - 12/14/99 | 167 | 5.8 | 8.3 | 6.7 | 100 |
| 12/14/99 - 12/21/99 | 168 | 5.3 | 7.2 | 6.5 | 100 |
| 12/21/99 - 12/28/99 | 167 | 6.1 | 7.8 | 6.9 | 100 |
| 12/28/99 - 01/04/00 | 167 | 4.8 | 7.9 | 6.1 | 100 |
| 01/04/00 - 01/11/00 | 168 | 5.5 | 8.0 | 6.8 | 100 |
| 01/11/00 - 01/18/00 | 168 | 6.1 | 7.6 | 6.9 | 100 |
| 01/18/00 - 01/25/00 | 167 | 5.9 | 7.6 | 6.6 | 100 |
| 01/25/00 - 02/01/00 | 169 | 6.3 | 7.3 | 6.7 | 100 |
| 02/01/00 - 02/08/00 | 169 | 5.8 | 7.5 | 6.7 | 100 |
| 02/08/00 - 02/15/00 | 167 | 5.9 | 7.2 | 6.6 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-8 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT DIVISION STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|------|------|--|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 168 | 6.3 | 7.7 | 6.9 | 100 |
| 02/22/00 - 02/29/00 | 168 | 5.9 | 7.8 | 6.9 | 100 |
| 02/29/00 - 03/07/00 | 169 | 5.1 | 8.1 | 6.5 | 100 |
| 03/07/00 - 03/14/00 | 167 | 5.1 | 9.0 | 6.7 | 100 |
| 03/14/00 - 03/21/00 | 169 | 5.0 | 9.0 | 6.5 | 100 |
| 03/21/00 - 03/28/00 | 167 | 4.4 | 9.2 | 6.7 | 100 |
| 03/28/00 - 04/04/00 | 167 | 4.3 | 8.9 | 6.6 | 100 |
| 04/04/00 - 04/11/00 | 170 | 4.7 | 8.8 | 6.7 | 100 |
| 04/11/00 - 04/18/00 | 166 | 4.7 | 8.5 | 6.3 | 100 |
| 04/18/00 - 04/25/00 | 168 | 4.7 | 9.0 | 7.1 | 100 |
| 04/25/00 - 05/02/00 | 169 | 3.3 | 10.1 | 6.3 | 98 |
| 05/02/00 - 05/09/00 | 167 | 3.2 | 9.5 | 6.1 | 96 |
| 05/09/00 - 05/16/00 | 168 | 1.4 | 7.4 | 5.5 | 90 |
| 05/16/00 - 05/23/00 | 168 | 3.6 | 7.1 | 5.7 | 97 |
| 05/23/00 - 05/30/00 | 169 | 3.0 | 7.5 | 5.8 | 96 |
| 05/30/00 - 06/06/00 | 169 | 4.3 | 7.2 | 5.9 | 100 |
| 06/06/00 - 06/13/00 | 167 | 4.8 | 6.9 | 6.0 | 100 |
| 06/13/00 - 06/20/00 | 167 | 3.5 | 7.2 | 5.8 | 98 |
| 06/20/00 - 06/27/00 | 166 | 3.5 | 7.0 | 5.5 | 96 |
| 06/27/00 - 07/03/00 | 145 | 1.4 | 6.6 | 5.7 | 97 |
| 07/03/00 - 07/12/00 | 218 | 1.1 | 6.5 | 4.9 | 90 |
| 07/12/00 - 07/18/00 | 144 | 4.2 | 6.1 | 5.3 | 100 |
| 07/18/00 - 07/25/00 | 165 | 4.3 | 6.2 | 5.3 | 100 |
| 07/25/00 - 08/01/00 | 169 | 5.1 | 7.3 | 6.5 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-9

WEEKLY DO SUMMARY STATISTICS
 AT KINZIE STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|------|------|--|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | 164 | 0.2 | 6.3 | 3.6 | 50 |
| 08/11/98 - 08/18/98 | 171 | 4.2 | 6.5 | 5.3 | 100 |
| 08/18/98 - 08/25/98 | 165 | 2.4 | 6.1 | 5.0 | 87 |
| 08/25/98 - 09/01/98 | 167 | 2.6 | 5.5 | 4.9 | 92 |
| 09/01/98 - 09/08/98 | 170 | 3.7 | 6.4 | 5.6 | 98 |
| 09/08/98 - 09/15/98 | 166 | 3.5 | 6.3 | 5.3 | 90 |
| 09/15/98 - 09/21/98 | 145 | 3.8 | 6.0 | 5.2 | 96 |
| 09/21/98 - 09/29/98 | 189 | 4.0 | 6.3 | 5.3 | 98 |
| 09/29/98 - 10/06/98 | 168 | 4.2 | 7.3 | 5.7 | 100 |
| 10/06/98 - 10/13/98 | 168 | 4.7 | 7.3 | 5.9 | 100 |
| 10/13/98 - 10/20/98 | 167 | 4.4 | 7.1 | 5.6 | 100 |
| 10/20/98 - 10/27/98 | 169 | 4.5 | 7.7 | 6.3 | 100 |
| 10/27/98 - 11/03/98 | 169 | 0.7 | 7.2 | 5.3 | 88 |
| 11/03/98 - 11/10/98 | 165 | 5.9 | 8.4 | 6.9 | 100 |
| 11/10/98 - 11/19/98 | 216 | 5.2 | 8.6 | 6.8 | 100 |
| 11/19/98 - 11/23/98 | 97 | 5.3 | 7.0 | 5.9 | 100 |
| 11/23/98 - 12/01/98 | 189 | 4.7 | 7.5 | 5.9 | 100 |
| 12/01/98 - 12/08/98 | 168 | 4.0 | 8.4 | 5.7 | 100 |
| 12/08/98 - 12/15/98 | 168 | 5.6 | 7.9 | 6.2 | 100 |
| 12/15/98 - 12/21/98 | 144 | 5.6 | 7.6 | 6.3 | 100 |
| 12/21/98 - 12/29/98 | 191 | 5.8 | 7.8 | 7.1 | 100 |
| 12/29/98 - 01/05/99 | 168 | 6.8 | 8.6 | 7.6 | 100 |
| 01/05/99 - 01/12/99 | 169 | 7.0 | 9.2 | 7.8 | 100 |
| 01/12/99 - 01/19/99 | 168 | 6.1 | 8.0 | 6.9 | 100 |
| 01/19/99 - 01/26/99 | 166 | 6.7 | 10.5 | 9.1 | 100 |
| 01/26/99 - 02/02/99 | 169 | 8.2 | 10.8 | 9.3 | 100 |
| 02/02/99 - 02/09/99 | 168 | 7.3 | 8.7 | 8.1 | 100 |
| 02/09/99 - 02/16/99 | 167 | 7.1 | 8.5 | 8.0 | 100 |
| 02/16/99 - 02/23/99 | 168 | 6.7 | 8.3 | 7.5 | 100 |
| 02/23/99 - 03/02/99 | 168 | 5.9 | 8.3 | 7.2 | 100 |
| 03/02/99 - 03/10/99 | 191 | 6.3 | 9.0 | 7.6 | 100 |
| 03/10/99 - 03/16/99 | 144 | 7.8 | 9.5 | 8.5 | 100 |
| 03/16/99 - 03/23/99 | 167 | 7.5 | 9.8 | 8.7 | 100 |
| 03/23/99 - 03/30/99 | 167 | 7.3 | 9.7 | 8.4 | 100 |
| 03/30/99 - 04/06/99 | 167 | 4.1 | 7.6 | 5.9 | 100 |
| 04/06/99 - 04/13/99 | 168 | 4.9 | 7.9 | 6.6 | 100 |
| 04/13/99 - 04/20/99 | 168 | 4.9 | 8.7 | 7.1 | 100 |
| 04/20/99 - 04/27/99 | 168 | 5.7 | 8.8 | 7.4 | 100 |
| 04/27/99 - 05/04/99 | 168 | 4.9 | 8.1 | 6.6 | 100 |
| 05/04/99 - 05/11/99 | 168 | 4.8 | 7.2 | 5.6 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-9 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT KINZIE STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | 168 | 3.7 | 6.5 | 5.3 | 97 |
| 05/18/99 - 05/25/99 | 167 | 4.6 | 6.3 | 5.6 | 100 |
| 05/25/99 - 06/01/99 | 168 | 3.5 | 7.0 | 5.4 | 94 |
| 06/01/99 - 06/08/99 | 168 | 2.9 | 6.7 | 5.4 | 96 |
| 06/08/99 - 06/15/99 | 169 | 0.8 | 6.3 | 4.8 | 79 |
| 06/15/99 - 06/22/99 | 169 | 3.6 | 6.8 | 5.4 | 95 |
| 06/22/99 - 06/29/99 | 166 | 3.0 | 5.2 | 4.2 | 61 |
| 06/29/99 - 07/06/99 | 168 | 3.7 | 5.8 | 4.6 | 90 |
| 07/06/99 - 07/13/99 | 168 | 4.1 | 6.1 | 5.2 | 100 |
| 07/13/99 - 07/20/99 | 168 | 5.0 | 6.6 | 5.6 | 100 |
| 07/20/99 - 07/27/99 | 168 | 1.0 | 6.0 | 4.8 | 86 |
| 07/27/99 - 08/03/99 | 167 | 4.3 | 6.1 | 5.3 | 100 |
| 08/03/99 - 08/10/99 | 167 | 5.0 | 6.4 | 5.7 | 100 |
| 08/10/99 - 08/17/99 | 168 | 4.4 | 6.2 | 5.5 | 100 |
| 08/17/99 - 08/24/99 | 170 | 4.1 | 6.5 | 5.5 | 100 |
| 08/24/99 - 08/31/99 | 165 | 4.2 | 6.8 | 5.5 | 100 |
| 08/31/99 - 09/07/99 | 170 | 4.4 | 6.7 | 5.7 | 100 |
| 09/07/99 - 09/14/99 | 168 | 4.4 | 6.7 | 5.6 | 100 |
| 09/14/99 - 09/21/99 | 167 | 4.6 | 7.0 | 5.6 | 100 |
| 09/21/99 - 09/28/99 | 167 | 4.5 | 6.8 | 5.7 | 100 |
| 09/28/99 - 10/05/99 | 168 | 3.3 | 6.9 | 5.5 | 98 |
| 10/05/99 - 10/12/99 | 169 | 4.0 | 6.8 | 5.6 | 99 |
| 10/12/99 - 10/19/99 | 167 | 4.7 | 7.2 | 5.9 | 100 |
| 10/19/99 - 10/26/99 | 169 | 5.1 | 8.6 | 6.4 | 100 |
| 10/26/99 - 11/02/99 | 167 | 4.8 | 8.1 | 6.4 | 100 |
| 11/02/99 - 11/09/99 | 167 | 4.8 | 7.9 | 6.3 | 100 |
| 11/09/99 - 11/16/99 | 169 | 4.7 | 7.7 | 6.1 | 100 |
| 11/16/99 - 11/23/99 | 170 | 4.9 | 8.2 | 6.3 | 100 |
| 11/23/99 - 11/30/99 | 166 | 4.8 | 8.5 | 6.4 | 100 |
| 11/30/99 - 12/07/99 | 169 | 5.5 | 8.0 | 6.6 | 100 |
| 12/07/99 - 12/14/99 | 168 | 5.7 | 8.1 | 6.7 | 100 |
| 12/14/99 - 12/21/99 | 167 | 5.3 | 7.2 | 6.4 | 100 |
| 12/21/99 - 12/28/99 | 167 | 6.4 | 7.7 | 7.0 | 100 |
| 12/28/99 - 01/04/00 | 167 | 5.9 | 8.1 | 6.6 | 100 |
| 01/04/00 - 01/11/00 | 167 | 5.8 | 7.6 | 6.9 | 100 |
| 01/11/00 - 01/18/00 | 169 | 6.1 | 7.5 | 6.9 | 100 |
| 01/18/00 - 01/25/00 | | | NO DATA | | |
| 01/25/00 - 02/01/00 | 166 | 6.6 | 7.8 | 6.9 | 100 |
| 02/01/00 - 02/08/00 | | | NO DATA | | |
| 02/08/00 - 02/15/00 | 166 | 5.8 | 6.6 | 6.2 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-9 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT KINZIE STREET ON THE NORTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|-----|------|--|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 169 | 6.2 | 7.8 | 6.7 | 100 |
| 02/22/00 - 02/29/00 | 168 | 6.3 | 8.3 | 7.4 | 100 |
| 02/29/00 - 03/07/00 | 168 | 5.2 | 7.1 | 6.3 | 100 |
| 03/07/00 - 03/14/00 | 167 | 4.8 | 8.5 | 6.4 | 100 |
| 03/14/00 - 03/21/00 | 169 | 5.1 | 8.3 | 6.4 | 100 |
| 03/21/00 - 03/28/00 | 167 | 4.9 | 8.1 | 6.6 | 100 |
| 03/28/00 - 04/04/00 | 167 | 4.5 | 8.7 | 6.5 | 100 |
| 04/04/00 - 04/11/00 | 169 | 4.9 | 8.9 | 7.1 | 100 |
| 04/11/00 - 04/18/00 | 166 | 4.4 | 7.7 | 6.5 | 100 |
| 04/18/00 - 04/25/00 | 166 | 4.8 | 8.0 | 6.9 | 100 |
| 04/25/00 - 05/02/00 | 168 | 5.1 | 9.1 | 6.8 | 100 |
| 05/02/00 - 05/09/00 | 168 | 3.9 | 8.6 | 6.1 | 99 |
| 05/09/00 - 05/16/00 | 168 | 0.4 | 6.8 | 5.0 | 85 |
| 05/16/00 - 05/23/00 | 168 | 3.7 | 6.8 | 5.6 | 97 |
| 05/23/00 - 05/30/00 | 168 | 2.9 | 7.1 | 5.6 | 96 |
| 05/30/00 - 06/06/00 | 169 | 4.3 | 6.7 | 5.5 | 100 |
| 06/06/00 - 06/13/00 | 166 | 4.7 | 6.6 | 5.7 | 100 |
| 06/13/00 - 06/20/00 | 168 | 4.2 | 6.4 | 5.3 | 100 |
| 06/20/00 - 06/27/00 | 167 | 2.9 | 6.3 | 4.9 | 93 |
| 06/27/00 - 07/03/00 | 145 | 1.1 | 6.1 | 5.3 | 97 |
| 07/03/00 - 07/12/00 | 218 | 1.3 | 6.4 | 5.0 | 89 |
| 07/12/00 - 07/18/00 | 144 | 4.4 | 5.6 | 4.9 | 100 |
| 07/18/00 - 07/25/00 | 166 | 4.3 | 5.9 | 5.1 | 100 |
| 07/25/00 - 08/01/00 | 168 | 4.5 | 6.2 | 5.5 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-10

WEEKLY DO SUMMARY STATISTICS
 AT CLARK STREET ON THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|------|------|----------------------------------|
| | | min | max | mean | |
| 08/04/98 - 08/11/98 | 168 | 6.2 | 8.5 | 7.2 | 100 |
| 08/11/98 - 08/18/98 | 168 | 7.3 | 9.1 | 8.1 | 100 |
| 08/18/98 - 08/25/98 | | NO DATA | | | |
| 08/25/98 - 09/01/98 | 168 | 6.9 | 8.0 | 7.4 | 100 |
| 09/01/98 - 09/08/98 | 170 | 7.0 | 7.7 | 7.4 | 100 |
| 09/08/98 - 09/15/98 | 166 | 7.1 | 7.6 | 7.4 | 100 |
| 09/15/98 - 09/21/98 | 144 | 7.0 | 7.4 | 7.2 | 100 |
| 09/21/98 - 09/29/98 | 193 | 7.1 | 7.9 | 7.5 | 100 |
| 09/29/98 - 10/06/98 | 168 | 7.5 | 8.3 | 7.8 | 100 |
| 10/06/98 - 10/13/98 | 167 | 8.2 | 8.5 | 8.3 | 100 |
| 10/13/98 - 10/20/98 | 168 | 5.0 | 8.8 | 7.6 | 99 |
| 10/20/98 - 10/27/98 | 168 | 6.4 | 8.8 | 7.8 | 100 |
| 10/27/98 - 11/03/98 | 169 | 3.9 | 8.4 | 6.2 | 85 |
| 11/03/98 - 11/10/98 | 166 | 6.0 | 9.3 | 7.9 | 100 |
| 11/10/98 - 11/17/98 | 175 | 6.3 | 8.6 | 7.3 | 100 |
| 11/17/98 - 11/23/98 | 138 | 6.7 | 9.7 | 8.0 | 100 |
| 11/23/98 - 12/01/98 | 191 | 6.1 | 8.3 | 7.0 | 100 |
| 12/01/98 - 12/08/98 | 160 | 5.2 | 7.1 | 6.1 | 100 |
| 12/08/98 - 12/15/98 | 169 | 5.1 | 7.1 | 6.4 | 100 |
| 12/15/98 - 12/21/98 | 144 | 6.1 | 8.0 | 6.7 | 100 |
| 12/21/98 - 12/29/98 | 191 | 6.1 | 11.0 | 9.0 | 100 |
| 12/29/98 - 01/05/99 | 168 | 9.6 | 12.8 | 11.1 | 100 |
| 01/05/99 - 01/12/99 | 168 | 8.4 | 12.5 | 10.1 | 100 |
| 01/12/99 - 01/19/99 | 170 | 7.3 | 9.2 | 8.0 | 100 |
| 01/19/99 - 01/26/99 | 166 | 7.6 | 9.9 | 8.8 | 100 |
| 01/26/99 - 02/02/99 | 169 | 7.6 | 9.4 | 8.3 | 100 |
| 02/02/99 - 02/09/99 | 168 | 7.4 | 9.5 | 8.3 | 100 |
| 02/09/99 - 02/16/99 | 167 | 7.0 | 8.3 | 7.7 | 100 |
| 02/16/99 - 02/23/99 | 169 | 6.9 | 12.3 | 10.2 | 100 |
| 02/23/99 - 03/02/99 | | NO DATA | | | |
| 03/02/99 - 03/10/99 | 191 | 9.4 | 10.9 | 10.3 | 100 |
| 03/10/99 - 03/16/99 | 143 | 8.1 | 10.8 | 9.7 | 100 |
| 03/16/99 - 03/23/99 | 168 | 7.5 | 9.2 | 8.4 | 100 |
| 03/23/99 - 03/30/99 | 168 | 7.7 | 12.4 | 10.3 | 100 |
| 03/30/99 - 04/06/99 | 167 | 4.9 | 8.1 | 6.2 | 97 |
| 04/06/99 - 04/13/99 | 168 | 6.0 | 9.9 | 8.2 | 100 |
| 04/13/99 - 04/20/99 | 167 | 8.4 | 9.6 | 9.0 | 100 |
| 04/20/99 - 04/27/99 | 168 | 6.9 | 9.5 | 8.9 | 100 |
| 04/27/99 - 05/04/99 | 168 | 8.3 | 10.5 | 9.6 | 100 |
| 05/04/99 - 05/11/99 | 167 | 7.5 | 10.9 | 8.8 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-10 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT CLARK STREET ON THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|------|------|----------------------------------|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | 168 | 7.4 | 10.3 | 8.9 | 100 |
| 05/18/99 - 05/25/99 | 167 | 6.5 | 8.9 | 8.0 | 100 |
| 05/25/99 - 06/01/99 | 168 | 5.5 | 9.0 | 7.8 | 100 |
| 06/01/99 - 06/08/99 | 168 | 6.9 | 9.6 | 8.7 | 100 |
| 06/08/99 - 06/15/99 | 169 | 3.4 | 10.2 | 7.8 | 90 |
| 06/15/99 - 06/22/99 | 169 | 8.0 | 9.8 | 9.1 | 100 |
| 06/22/99 - 06/29/99 | 166 | 6.8 | 9.3 | 8.1 | 100 |
| 06/29/99 - 07/06/99 | 169 | 6.2 | 9.5 | 8.2 | 100 |
| 07/06/99 - 07/13/99 | 168 | 6.2 | 9.1 | 8.3 | 100 |
| 07/13/99 - 07/20/99 | 167 | 6.8 | 9.2 | 8.2 | 100 |
| 07/20/99 - 07/27/99 | 168 | 5.8 | 9.8 | 8.6 | 100 |
| 07/27/99 - 08/03/99 | 168 | 7.4 | 10.0 | 9.3 | 100 |
| 08/03/99 - 08/10/99 | 167 | 6.9 | 8.7 | 7.9 | 100 |
| 08/10/99 - 08/17/99 | 168 | 6.9 | 7.5 | 7.2 | 100 |
| 08/17/99 - 08/24/99 | 170 | 7.0 | 7.7 | 7.4 | 100 |
| 08/24/99 - 08/31/99 | 166 | 6.6 | 7.9 | 7.4 | 100 |
| 08/31/99 - 09/07/99 | 170 | 7.3 | 8.0 | 7.6 | 100 |
| 09/07/99 - 09/14/99 | 168 | 7.2 | 7.7 | 7.4 | 100 |
| 09/14/99 - 09/21/99 | 167 | 7.5 | 8.2 | 7.9 | 100 |
| 09/21/99 - 09/28/99 | 168 | 7.2 | 8.0 | 7.8 | 100 |
| 09/28/99 - 10/12/99 | 168 | 6.9 | 8.3 | 7.8 | 100 |
| 09/28/99 - 10/12/99 | 169 | 6.0 | 8.8 | 7.9 | 100 |
| 10/12/99 - 10/19/99 | 167 | 6.2 | 9.1 | 8.1 | 100 |
| 10/19/99 - 10/26/99 | 169 | 6.6 | 9.2 | 7.9 | 100 |
| 10/26/99 - 11/02/99 | 167 | 5.8 | 9.7 | 8.1 | 100 |
| 11/02/99 - 11/09/99 | 168 | 5.6 | 8.8 | 7.1 | 100 |
| 11/09/99 - 11/16/99 | 168 | 5.5 | 7.8 | 6.5 | 100 |
| 11/16/99 - 11/23/99 | 169 | 5.3 | 7.6 | 6.7 | 100 |
| 11/23/99 - 11/30/99 | 167 | 4.9 | 7.3 | 6.0 | 95 |
| 11/30/99 - 12/07/99 | 169 | 5.9 | 7.1 | 6.4 | 100 |
| 12/07/99 - 12/14/99 | 168 | 5.9 | 7.4 | 6.8 | 100 |
| 12/14/99 - 12/21/99 | 168 | 5.7 | 9.4 | 6.9 | 100 |
| 12/21/99 - 12/28/99 | 168 | 8.6 | 10.8 | 9.7 | 100 |
| 12/28/99 - 01/04/00 | 167 | 6.9 | 10.6 | 9.8 | 100 |
| 01/04/00 - 01/11/00 | 168 | 7.2 | 11.5 | 9.4 | 100 |
| 01/11/00 - 01/18/00 | 168 | 6.9 | 10.7 | 9.2 | 100 |
| 01/18/00 - 01/25/00 | 167 | 9.5 | 11.9 | 10.5 | 100 |
| 01/25/00 - 02/01/00 | 168 | 9.0 | 11.4 | 10.4 | 100 |
| 02/01/00 - 02/08/00 | 169 | 7.3 | 11.8 | 10.3 | 100 |
| 02/08/00 - 02/15/00 | 166 | 6.1 | 9.4 | 7.7 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-10 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT CLARK STREET ON THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|------|------|--|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | 168 | 7.5 | 10.0 | 9.0 | 100 |
| 02/22/00 - 02/29/00 | 168 | 5.9 | 9.8 | 7.7 | 100 |
| 02/29/00 - 03/07/00 | 169 | 5.3 | 6.8 | 6.1 | 100 |
| 03/07/00 - 03/14/00 | 167 | 4.2 | 6.6 | 5.2 | 65 |
| 03/14/00 - 03/21/00 | 169 | 4.6 | 6.0 | 5.2 | 66 |
| 03/21/00 - 03/28/00 | 167 | 5.0 | 6.8 | 6.0 | 100 |
| 03/28/00 - 04/04/00 | 167 | 5.2 | 7.3 | 6.0 | 100 |
| 04/04/00 - 04/11/00 | 170 | 6.0 | 8.0 | 6.9 | 100 |
| 04/11/00 - 04/18/00 | 166 | 4.9 | 8.5 | 7.2 | 99 |
| 04/18/00 - 04/25/00 | 168 | 4.7 | 8.3 | 6.4 | 99 |
| 04/25/00 - 05/02/00 | 169 | 3.4 | 6.2 | 5.1 | 62 |
| 05/02/00 - 05/09/00 | 167 | 3.3 | 6.8 | 5.2 | 61 |
| 05/09/00 - 05/16/00 | 168 | 3.4 | 7.2 | 5.0 | 45 |
| 05/16/00 - 05/23/00 | 168 | 2.5 | 8.8 | 6.2 | 85 |
| 05/23/00 - 05/30/00 | 169 | 4.7 | 8.4 | 6.1 | 97 |
| 05/30/00 - 06/06/00 | 169 | 5.2 | 10.0 | 7.3 | 100 |
| 06/06/00 - 06/13/00 | 167 | 6.5 | 9.3 | 7.9 | 100 |
| 06/13/00 - 06/20/00 | 168 | 5.5 | 8.9 | 7.5 | 100 |
| 06/20/00 - 06/27/00 | 175 | 4.2 | 8.8 | 6.9 | 94 |
| 06/27/00 - 07/03/00 | 136 | 6.5 | 9.0 | 8.2 | 100 |
| 07/03/00 - 07/12/00 | 219 | 5.5 | 9.1 | 7.7 | 100 |
| 07/12/00 - 07/18/00 | 143 | 6.7 | 8.4 | 7.7 | 100 |
| 07/18/00 - 07/25/00 | 166 | 6.3 | 7.7 | 7.0 | 100 |
| 07/25/00 - 08/01/00 | 166 | 5.9 | 7.6 | 6.9 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-11

WEEKLY DO SUMMARY STATISTICS
 AT JACKSON BOULEVARD ON THE SOUTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|---------|------|--|
| | | min | max | mean | |
| 08/05/98 - 08/12/98 | 167 | 1.0 | 7.5 | 5.2 | 83 |
| 08/12/98 - 08/19/98 | 170 | 5.8 | 7.4 | 6.5 | 100 |
| 08/19/98 - 08/26/98 | 165 | 3.6 | 6.8 | 5.8 | 98 |
| 08/26/98 - 09/02/98 | 168 | 5.5 | 6.5 | 6.0 | 100 |
| 09/02/98 - 09/09/98 | 168 | 4.5 | 7.1 | 6.2 | 100 |
| 09/09/98 - 09/16/98 | 168 | 5.4 | 6.9 | 6.2 | 100 |
| 09/16/98 - 09/22/98 | 144 | 5.0 | 6.8 | 6.0 | 100 |
| 09/22/98 - 09/30/98 | 191 | 5.8 | 7.2 | 6.7 | 100 |
| 09/30/98 - 10/07/98 | 167 | 5.4 | 7.4 | 6.6 | 100 |
| 10/07/98 - 10/14/98 | 169 | 6.1 | 7.7 | 6.9 | 100 |
| 10/14/98 - 10/21/98 | 165 | 4.5 | 7.5 | 6.3 | 100 |
| 10/21/98 - 10/28/98 | 161 | 5.5 | 8.0 | 6.7 | 100 |
| 10/28/98 - 11/04/98 | 167 | 1.9 | 6.8 | 5.4 | 93 |
| 11/04/98 - 11/10/98 | 138 | 5.0 | 7.4 | 6.1 | 100 |
| 11/10/98 - 11/17/98 | | | NO DATA | | |
| 11/17/98 - 11/23/98 | 139 | 5.6 | 7.1 | 6.4 | 100 |
| 11/23/98 - 12/01/98 | 191 | 5.1 | 7.1 | 6.2 | 100 |
| 12/01/98 - 12/08/98 | 167 | 3.8 | 7.1 | 5.8 | 97 |
| 12/08/98 - 12/15/98 | 169 | 5.8 | 7.9 | 6.6 | 100 |
| 12/15/98 - 12/21/98 | 144 | 5.7 | 6.9 | 6.2 | 100 |
| 12/21/98 - 12/29/98 | 191 | 6.1 | 7.6 | 6.9 | 100 |
| 12/29/98 - 01/05/99 | 168 | 6.9 | 13.3 | 8.3 | 100 |
| 01/05/99 - 01/12/99 | 169 | 7.9 | 12.9 | 9.7 | 100 |
| 01/12/99 - 01/19/99 | 166 | 6.5 | 9.0 | 7.6 | 100 |
| 01/19/99 - 01/26/99 | 166 | 7.0 | 10.2 | 8.8 | 100 |
| 01/26/99 - 02/02/99 | 169 | 7.8 | 9.9 | 8.8 | 100 |
| 02/02/99 - 02/09/99 | 168 | 7.3 | 8.5 | 7.9 | 100 |
| 02/09/99 - 02/16/99 | 167 | 6.8 | 8.1 | 7.5 | 100 |
| 02/16/99 - 02/23/99 | 168 | 5.2 | 10.1 | 7.9 | 100 |
| 02/23/99 - 03/02/99 | 168 | 6.1 | 9.4 | 7.4 | 100 |
| 03/02/99 - 03/10/99 | 191 | 6.3 | 10.3 | 8.4 | 100 |
| 03/10/99 - 03/16/99 | 144 | 6.2 | 10.3 | 8.6 | 100 |
| 03/16/99 - 03/23/99 | 168 | 7.3 | 8.8 | 8.1 | 100 |
| 03/23/99 - 03/30/99 | 168 | 6.7 | 8.6 | 7.7 | 100 |
| 03/30/99 - 04/06/99 | 167 | 5.0 | 7.6 | 6.1 | 100 |
| 04/06/99 - 04/13/99 | 169 | 4.9 | 8.1 | 6.6 | 100 |
| 04/13/99 - 04/20/99 | 167 | 4.7 | 8.4 | 6.9 | 100 |
| 04/20/99 - 04/27/99 | 168 | 6.1 | 8.6 | 7.3 | 100 |
| 04/27/99 - 05/04/99 | 168 | 4.9 | 7.7 | 6.5 | 100 |
| 05/04/99 - 05/11/99 | 167 | 4.7 | 6.9 | 5.5 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-11 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT JACKSON BOULEVARD ON THE SOUTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|------|------|----------------------------------|
| | | min | max | mean | |
| 05/11/99 - 05/18/99 | 168 | 4.1 | 7.9 | 5.6 | 100 |
| 05/18/99 - 05/25/99 | 168 | 3.8 | 6.0 | 5.1 | 98 |
| 05/25/99 - 06/01/99 | 168 | 3.9 | 6.6 | 5.4 | 99 |
| 06/01/99 - 06/08/99 | 168 | 2.9 | 7.6 | 5.4 | 93 |
| 06/08/99 - 06/15/99 | 168 | 1.6 | 9.2 | 5.6 | 93 |
| 06/15/99 - 06/22/99 | 169 | 3.9 | 6.5 | 5.4 | 99 |
| 06/22/99 - 06/29/99 | 167 | 3.4 | 6.0 | 4.9 | 92 |
| 06/29/99 - 07/06/99 | 168 | 4.4 | 6.8 | 5.7 | 100 |
| 07/06/99 - 07/13/99 | 169 | 4.7 | 7.1 | 6.2 | 100 |
| 07/13/99 - 07/20/99 | 167 | 5.2 | 8.6 | 6.7 | 100 |
| 07/20/99 - 07/27/99 | 168 | 3.0 | 8.6 | 6.2 | 95 |
| 07/27/99 - 08/03/99 | 168 | 6.2 | 8.8 | 7.5 | 100 |
| 08/03/99 - 08/10/99 | 167 | 5.7 | 7.5 | 6.7 | 100 |
| 08/10/99 - 08/17/99 | 168 | 5.1 | 6.6 | 6.1 | 100 |
| 08/17/99 - 08/24/99 | 169 | 5.0 | 6.8 | 6.0 | 100 |
| 08/24/99 - 08/31/99 | 166 | 4.2 | 6.6 | 5.7 | 100 |
| 08/31/99 - 09/07/99 | 169 | 5.6 | 7.4 | 6.6 | 100 |
| 09/07/99 - 09/14/99 | 167 | 5.5 | 6.7 | 6.2 | 100 |
| 09/14/99 - 09/21/99 | 167 | 5.3 | 7.0 | 6.1 | 100 |
| 09/21/99 - 09/28/99 | 168 | 5.1 | 7.1 | 6.1 | 100 |
| 09/28/99 - 10/05/99 | 168 | 3.3 | 6.9 | 5.5 | 97 |
| 10/05/99 - 10/12/99 | 163 | 4.5 | 7.2 | 6.2 | 100 |
| 10/12/99 - 10/19/99 | 167 | 5.3 | 7.5 | 6.5 | 100 |
| 10/19/99 - 10/26/99 | 169 | 5.2 | 7.5 | 6.1 | 100 |
| 10/26/99 - 11/02/99 | 167 | 5.4 | 8.7 | 6.8 | 100 |
| 11/02/99 - 11/09/99 | 167 | 4.7 | 7.5 | 6.0 | 100 |
| 11/09/99 - 11/16/99 | 168 | 4.9 | 7.8 | 6.2 | 100 |
| 11/16/99 - 11/23/99 | 168 | 4.9 | 7.4 | 6.0 | 100 |
| 11/23/99 - 11/30/99 | 168 | 4.4 | 7.6 | 5.9 | 100 |
| 11/30/99 - 12/07/99 | 169 | 5.3 | 7.5 | 6.2 | 100 |
| 12/07/99 - 12/14/99 | 168 | 4.8 | 7.6 | 6.2 | 100 |
| 12/14/99 - 12/21/99 | 167 | 4.4 | 6.6 | 5.5 | 100 |
| 12/21/99 - 12/28/99 | 169 | 6.0 | 8.6 | 7.1 | 100 |
| 12/28/99 - 01/04/00 | 167 | 5.6 | 8.0 | 6.6 | 100 |
| 01/04/00 - 01/11/00 | 168 | 4.9 | 7.7 | 6.7 | 100 |
| 01/11/00 - 01/18/00 | 168 | 5.2 | 8.2 | 6.6 | 100 |
| 01/18/00 - 01/25/00 | 167 | 6.7 | 11.2 | 8.2 | 100 |
| 01/25/00 - 02/01/00 | 168 | 6.1 | 9.8 | 7.5 | 100 |
| 02/01/00 - 02/08/00 | 169 | 6.3 | 9.3 | 7.6 | 100 |
| 02/08/00 - 02/15/00 | 165 | 5.7 | 8.1 | 6.6 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-11 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT JACKSON BOULEVARD ON THE SOUTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|-----|------|--|
| | | min | max | mean | |
| 02/15/00 - 02/22/00 | | NO DATA | | | |
| 02/22/00 - 02/29/00 | 168 | 5.7 | 8.8 | 6.9 | 100 |
| 02/29/00 - 03/07/00 | 168 | 4.4 | 6.9 | 5.7 | 100 |
| 03/07/00 - 03/14/00 | 165 | 3.9 | 6.9 | 5.4 | 98 |
| 03/14/00 - 03/21/00 | 169 | 3.9 | 7.0 | 5.4 | 99 |
| 03/21/00 - 03/28/00 | 167 | 4.1 | 8.3 | 6.0 | 100 |
| 03/28/00 - 04/04/00 | 167 | 3.5 | 7.2 | 5.3 | 96 |
| 04/04/00 - 04/11/00 | 170 | 3.1 | 7.5 | 6.1 | 98 |
| 04/11/00 - 04/18/00 | 166 | 3.2 | 7.2 | 6.0 | 96 |
| 04/18/00 - 04/25/00 | 168 | 4.8 | 7.9 | 6.4 | 100 |
| 04/25/00 - 05/02/00 | 169 | 3.5 | 7.2 | 5.4 | 97 |
| 05/02/00 - 05/09/00 | 167 | 2.8 | 6.6 | 4.9 | 88 |
| 05/09/00 - 05/16/00 | 168 | 0.8 | 5.6 | 3.7 | 43 |
| 05/16/00 - 05/23/00 | 168 | 2.8 | 6.5 | 5.2 | 96 |
| 05/23/00 - 05/30/00 | 168 | 1.4 | 5.9 | 4.3 | 74 |
| 05/30/00 - 06/06/00 | 169 | 3.5 | 7.3 | 5.0 | 91 |
| 06/06/00 - 06/13/00 | 167 | 3.2 | 8.4 | 5.5 | 93 |
| 06/13/00 - 06/20/00 | 167 | 3.6 | 7.2 | 5.2 | 94 |
| 06/20/00 - 06/27/00 | 168 | 1.8 | 6.5 | 5.1 | 89 |
| 06/27/00 - 07/03/00 | 144 | 3.6 | 7.2 | 5.9 | 99 |
| 07/03/00 - 07/12/00 | 218 | 1.6 | 6.8 | 5.4 | 93 |
| 07/12/00 - 07/18/00 | 143 | 4.1 | 6.9 | 5.6 | 100 |
| 07/18/00 - 07/25/00 | 166 | 4.8 | 6.6 | 5.9 | 100 |
| 07/25/00 - 08/01/00 | 169 | 5.1 | 6.8 | 6.0 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-12

WEEKLY DO SUMMARY STATISTICS
 AT LOOMIS STREET ON THE SOUTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/05/98 - 08/12/98 | 166 | 0.5 | 8.1 | 4.7 | 73 |
| 08/12/98 - 08/19/98 | 169 | 6.3 | 8.6 | 6.8 | 100 |
| 08/19/98 - 08/26/98 | 167 | 3.5 | 6.9 | 5.9 | 95 |
| 08/26/98 - 09/02/98 | 168 | 5.9 | 8.6 | 7.2 | 100 |
| 09/02/98 - 09/09/98 | 167 | 4.7 | 7.0 | 6.2 | 100 |
| 09/09/98 - 09/16/98 | 167 | 5.4 | 8.4 | 6.3 | 100 |
| 09/16/98 - 09/22/98 | 139 | 5.5 | 6.6 | 6.1 | 100 |
| 09/22/98 - 09/30/98 | 192 | 6.1 | 8.9 | 6.8 | 100 |
| 09/30/98 - 10/07/98 | 165 | 6.1 | 8.5 | 7.0 | 100 |
| 10/07/98 - 10/14/98 | 169 | 6.3 | 7.6 | 7.0 | 100 |
| 10/14/98 - 10/21/98 | 168 | 3.6 | 7.9 | 6.2 | 92 |
| 10/21/98 - 10/28/98 | 168 | 5.9 | 7.3 | 6.4 | 100 |
| 10/28/98 - 11/04/98 | 164 | 3.1 | 6.7 | 5.7 | 92 |
| 11/04/98 - 11/12/98 | 192 | 4.9 | 7.7 | 6.6 | 100 |
| 11/12/98 - 11/17/98 | 121 | 6.6 | 8.6 | 7.6 | 100 |
| 11/17/98 - 11/24/98 | | | NO DATA | | |
| 11/24/98 - 12/02/98 | 192 | 5.6 | 7.3 | 6.6 | 100 |
| 12/02/98 - 12/09/98 | 150 | 3.7 | 7.1 | 5.8 | 94 |
| 12/09/98 - 12/16/98 | 169 | 5.0 | 7.8 | 7.2 | 100 |
| 12/16/98 - 12/22/98 | 140 | 6.7 | 9.6 | 7.6 | 100 |
| 12/22/98 - 12/29/98 | 168 | 6.7 | 8.0 | 7.5 | 100 |
| 12/29/98 - 01/06/99 | 196 | 7.5 | 10.6 | 8.9 | 100 |
| 01/06/99 - 01/13/99 | 163 | 8.1 | 10.0 | 9.0 | 100 |
| 01/13/99 - 01/20/99 | 170 | 7.1 | 9.4 | 8.3 | 100 |
| 01/20/99 - 01/27/99 | 165 | 7.0 | 10.1 | 8.9 | 100 |
| 01/27/99 - 02/03/99 | 173 | 8.1 | 9.9 | 8.9 | 100 |
| 02/03/99 - 02/10/99 | 163 | 7.7 | 10.7 | 8.4 | 100 |
| 02/10/99 - 02/17/99 | 168 | 7.7 | 9.1 | 8.4 | 100 |
| 02/17/99 - 02/24/99 | 168 | 7.2 | 12.6 | 9.0 | 100 |
| 02/24/99 - 03/03/99 | 168 | 6.4 | 9.1 | 7.8 | 100 |
| 03/03/99 - 03/11/99 | 192 | 7.6 | 11.0 | 8.8 | 100 |
| 03/11/99 - 03/17/99 | | | NO DATA | | |
| 03/17/99 - 03/24/99 | 173 | 7.8 | 10.3 | 8.5 | 100 |
| 03/24/99 - 03/31/99 | 163 | 7.5 | 9.1 | 8.3 | 100 |
| 03/31/99 - 04/07/99 | 167 | 5.6 | 8.4 | 6.8 | 100 |
| 04/07/99 - 04/14/99 | 168 | 4.4 | 8.7 | 6.8 | 100 |
| 04/14/99 - 04/21/99 | | | NO DATA | | |
| 04/21/99 - 04/28/99 | 167 | 6.2 | 8.3 | 7.5 | 100 |
| 04/28/99 - 05/06/99 | 192 | 4.7 | 7.6 | 6.4 | 100 |
| 05/06/99 - 05/12/99 | 146 | 4.3 | 6.3 | 5.3 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-12 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT LOOMIS STREET ON THE SOUTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|------|---------|----------------------------------|
| | | min | max | mean | |
| 05/12/99 - 05/19/99 | 170 | 4.4 | 7.0 | 5.5 | 100 |
| 05/19/99 - 05/26/99 | 163 | 4.3 | 6.2 | 5.4 | 100 |
| 05/26/99 - 06/02/99 | 168 | 3.9 | 6.4 | 5.4 | 98 |
| 06/02/99 - 06/09/99 | 168 | 1.5 | 6.3 | 5.1 | 89 |
| 06/09/99 - 06/15/99 | 147 | 1.3 | 7.5 | 4.9 | 72 |
| 06/15/99 - 06/23/99 | | | | NO DATA | |
| 06/23/99 - 06/30/99 | 173 | 4.4 | 5.8 | 5.0 | 100 |
| 06/30/99 - 07/07/99 | 163 | 5.1 | 8.4 | 6.3 | 100 |
| 07/07/99 - 07/14/99 | 167 | 5.1 | 6.7 | 5.9 | 100 |
| 07/14/99 - 07/21/99 | 169 | 6.2 | 8.4 | 7.1 | 100 |
| 07/21/99 - 07/28/99 | 169 | 4.1 | 7.9 | 6.2 | 100 |
| 07/28/99 - 08/05/99 | 189 | 6.4 | 9.0 | 7.1 | 100 |
| 08/05/99 - 08/11/99 | | | | NO DATA | |
| 08/11/99 - 08/18/99 | 156 | 5.5 | 6.5 | 6.0 | 100 |
| 08/18/99 - 08/25/99 | 181 | 4.9 | 6.5 | 5.9 | 100 |
| 08/25/99 - 09/01/99 | 169 | 5.1 | 8.6 | 6.4 | 100 |
| 09/01/99 - 09/08/99 | 168 | 6.5 | 8.6 | 7.2 | 100 |
| 09/08/99 - 09/15/99 | 171 | 5.7 | 8.2 | 6.3 | 100 |
| 09/15/99 - 09/22/99 | 164 | 5.3 | 6.4 | 5.8 | 100 |
| 09/22/99 - 09/30/99 | 192 | 2.8 | 6.9 | 5.9 | 94 |
| 09/30/99 - 10/07/99 | 168 | 4.2 | 7.2 | 6.2 | 100 |
| 10/07/99 - 10/13/99 | 144 | 6.0 | 7.4 | 6.7 | 100 |
| 10/13/99 - 10/20/99 | 168 | 6.3 | 7.4 | 6.9 | 100 |
| 10/20/99 - 10/27/99 | 168 | 5.4 | 6.9 | 6.0 | 100 |
| 10/27/99 - 11/03/99 | 172 | 5.9 | 8.3 | 7.1 | 100 |
| 11/03/99 - 11/10/99 | 164 | 5.2 | 7.3 | 6.2 | 100 |
| 11/10/99 - 11/17/99 | 167 | 5.4 | 7.2 | 6.2 | 100 |
| 11/17/99 - 11/24/99 | 168 | 5.6 | 7.2 | 6.2 | 100 |
| 11/24/99 - 12/01/99 | | | | NO DATA | |
| 12/01/99 - 12/08/99 | 168 | 5.5 | 7.2 | 6.5 | 100 |
| 12/08/99 - 12/15/99 | 167 | 5.6 | 7.7 | 6.6 | 100 |
| 12/15/99 - 12/22/99 | 168 | 5.6 | 10.4 | 6.7 | 100 |
| 12/22/99 - 12/29/99 | 168 | 7.3 | 8.1 | 7.7 | 100 |
| 12/29/99 - 01/06/00 | 188 | 6.5 | 8.3 | 7.2 | 100 |
| 01/06/00 - 01/12/00 | 144 | 6.5 | 8.1 | 7.2 | 100 |
| 01/12/00 - 01/19/00 | 167 | 6.4 | 8.6 | 7.2 | 100 |
| 01/19/00 - 01/26/00 | 169 | 7.9 | 9.4 | 8.5 | 100 |
| 01/26/00 - 02/03/00 | 191 | 7.1 | 11.0 | 8.2 | 100 |
| 02/03/00 - 02/09/00 | | | | NO DATA | |
| 02/09/00 - 02/16/00 | 167 | 6.2 | 7.8 | 7.0 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-12 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT LOOMIS STREET ON THE SOUTH BRANCH OF THE CHICAGO RIVER
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 02/16/00 - 02/23/00 | 169 | 6.5 | 10.8 | 7.4 | 100 |
| 02/23/00 - 03/01/00 | 168 | 6.1 | 7.3 | 6.8 | 100 |
| 03/01/00 - 03/08/00 | 169 | 5.7 | 7.2 | 6.4 | 100 |
| 03/08/00 - 03/15/00 | 167 | 5.0 | 6.6 | 5.8 | 100 |
| 03/15/00 - 03/22/00 | 167 | 5.3 | 6.9 | 6.0 | 100 |
| 03/22/00 - 03/29/00 | 169 | 5.9 | 8.9 | 6.7 | 100 |
| 03/29/00 - 04/05/00 | 167 | 5.3 | 8.3 | 6.4 | 100 |
| 04/05/00 - 04/12/00 | 167 | 5.3 | 7.5 | 6.6 | 100 |
| 04/12/00 - 04/19/00 | 168 | 3.9 | 7.4 | 6.5 | 99 |
| 04/19/00 - 04/26/00 | 167 | 5.0 | 8.9 | 6.6 | 100 |
| 04/26/00 - 05/02/00 | 142 | 4.8 | 6.8 | 5.7 | 100 |
| 05/02/00 - 05/09/00 | | | NO DATA | | |
| 05/09/00 - 05/16/00 | 168 | 0.4 | 4.9 | 3.5 | 38 |
| 05/16/00 - 05/23/00 | 168 | 4.0 | 6.1 | 5.1 | 99 |
| 05/23/00 - 05/30/00 | 169 | 2.7 | 5.8 | 4.8 | 91 |
| 05/30/00 - 06/06/00 | 169 | 3.5 | 6.8 | 5.1 | 96 |
| 06/06/00 - 06/13/00 | 167 | 5.2 | 7.9 | 6.3 | 100 |
| 06/13/00 - 06/20/00 | 168 | 4.7 | 6.8 | 5.5 | 100 |
| 06/20/00 - 06/27/00 | 167 | 3.4 | 8.4 | 5.7 | 93 |
| 06/27/00 - 07/03/00 | 144 | 5.4 | 7.2 | 6.5 | 100 |
| 07/03/00 - 07/12/00 | 218 | 1.5 | 6.6 | 5.4 | 90 |
| 07/12/00 - 07/18/00 | 143 | 5.3 | 6.5 | 5.7 | 100 |
| 07/18/00 - 07/25/00 | 167 | 5.7 | 8.1 | 6.2 | 100 |
| 07/25/00 - 08/01/00 | 169 | 5.3 | 6.5 | 6.1 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-13

WEEKLY DO SUMMARY STATISTICS
 AT INTERSTATE HIGHWAY 55 IN BUBBLY CREEK
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/05/98 - 08/12/98 | | | NO DATA | | |
| 08/12/98 - 08/19/98 | 169 | 0.0 | 3.6 | 0.6 | 0 |
| 08/19/98 - 08/26/98 | 168 | 0.5 | 4.5 | 2.0 | 2 |
| 08/26/98 - 09/02/98 | 168 | 0.2 | 5.0 | 2.1 | 7 |
| 09/02/98 - 09/09/98 | 167 | 0.9 | 6.4 | 3.3 | 36 |
| 09/09/98 - 09/16/98 | 168 | 1.8 | 5.8 | 3.7 | 38 |
| 09/16/98 - 09/22/98 | 144 | 3.0 | 6.0 | 4.7 | 81 |
| 09/22/98 - 09/30/98 | 191 | 1.7 | 6.3 | 4.3 | 65 |
| 09/30/98 - 10/07/98 | 168 | 3.2 | 6.6 | 5.1 | 85 |
| 10/07/98 - 10/14/98 | 169 | 3.6 | 6.7 | 5.4 | 98 |
| 10/14/98 - 10/21/98 | 168 | 0.1 | 7.1 | 3.3 | 46 |
| 10/21/98 - 10/28/98 | | | NO DATA | | |
| 10/28/98 - 11/04/98 | 166 | 0.1 | 5.3 | 1.9 | 9 |
| 11/04/98 - 11/12/98 | 191 | 0.2 | 6.6 | 3.2 | 34 |
| 11/12/98 - 11/17/98 | 122 | 0.8 | 6.5 | 3.0 | 37 |
| 11/17/98 - 11/24/98 | | | NO DATA | | |
| 11/24/98 - 12/02/98 | | | NO DATA | | |
| 12/02/98 - 12/09/98 | 166 | 0.5 | 7.0 | 2.8 | 15 |
| 12/09/98 - 12/16/98 | 174 | 1.2 | 6.1 | 3.4 | 34 |
| 12/16/98 - 12/22/98 | 140 | 0.7 | 7.5 | 5.1 | 81 |
| 12/22/98 - 12/29/98 | 168 | 4.9 | 7.4 | 6.5 | 100 |
| 12/29/98 - 01/06/99 | 195 | 4.4 | 8.9 | 7.4 | 100 |
| 01/06/99 - 01/13/99 | 168 | 5.3 | 7.3 | 6.4 | 100 |
| 01/13/99 - 01/20/99 | 165 | 2.1 | 6.5 | 4.3 | 56 |
| 01/20/99 - 01/27/99 | | | NO DATA | | |
| 01/27/99 - 02/03/99 | 173 | 3.0 | 8.1 | 6.4 | 97 |
| 02/03/99 - 02/10/99 | 163 | 4.6 | 7.3 | 6.0 | 100 |
| 02/10/99 - 02/17/99 | 168 | 3.7 | 7.1 | 5.6 | 97 |
| 02/17/99 - 02/24/99 | 168 | 6.9 | 9.3 | 8.2 | 100 |
| 02/24/99 - 03/03/99 | 167 | 6.4 | 10.3 | 8.1 | 100 |
| 03/03/99 - 03/11/99 | 191 | 7.2 | 10.5 | 8.1 | 100 |
| 03/11/99 - 03/17/99 | 144 | 9.8 | 18.7 | 13.5 | 100 |
| 03/17/99 - 03/24/99 | 171 | 8.2 | 17.6 | 9.7 | 100 |
| 03/24/99 - 03/31/99 | 164 | 7.3 | 10.0 | 8.7 | 100 |
| 03/31/99 - 04/07/99 | 167 | 4.3 | 7.9 | 6.2 | 100 |
| 04/07/99 - 04/14/99 | 166 | 0.9 | 8.0 | 4.7 | 66 |
| 04/14/99 - 04/21/99 | | | NO DATA | | |
| 04/21/99 - 04/28/99 | 168 | 0.6 | 8.8 | 2.7 | 17 |
| 04/28/99 - 05/06/99 | | | NO DATA | | |
| 05/06/99 - 05/12/99 | | | NO DATA | | |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-13 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT INTERSTATE HIGHWAY 55 IN BUBBLY CREEK
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/12/99 - 05/19/99 | 170 | 0.0 | 2.9 | 0.7 | 0 |
| 05/19/99 - 05/26/99 | 163 | 0.4 | 3.5 | 1.1 | 0 |
| 05/26/99 - 06/02/99 | | | NO DATA | | |
| 06/02/99 - 06/09/99 | 168 | 1.1 | 5.6 | 2.1 | 6 |
| 06/09/99 - 06/16/99 | 169 | 0.0 | 9.3 | 0.7 | 3 |
| 06/17/99 - 06/23/99 | 142 | 0.8 | 10.4 | 3.1 | 33 |
| 06/23/99 - 06/30/99 | 173 | 0.5 | 8.6 | 1.6 | 11 |
| 06/30/99 - 07/07/99 | 163 | 0.4 | 6.2 | 2.8 | 22 |
| 07/07/99 - 07/14/99 | 167 | 1.3 | 6.6 | 3.4 | 29 |
| 07/14/99 - 07/21/99 | 169 | 1.3 | 10.7 | 5.8 | 79 |
| 07/21/99 - 07/28/99 | 169 | 0.4 | 8.0 | 1.1 | 4 |
| 07/28/99 - 08/05/99 | 189 | 1.7 | 9.6 | 4.5 | 53 |
| 08/05/99 - 08/11/99 | 144 | 2.0 | 8.6 | 4.5 | 68 |
| 08/11/99 - 08/18/99 | 163 | 0.8 | 6.7 | 4.1 | 60 |
| 08/18/99 - 08/25/99 | 174 | 0.6 | 5.7 | 1.8 | 13 |
| 08/25/99 - 09/01/99 | 169 | 0.4 | 5.4 | 2.6 | 10 |
| 09/01/99 - 09/08/99 | 168 | 0.7 | 6.3 | 3.8 | 49 |
| 09/08/99 - 09/15/99 | 170 | 1.9 | 6.2 | 4.4 | 65 |
| 09/15/99 - 09/22/99 | 163 | 3.0 | 5.8 | 4.4 | 61 |
| 09/22/99 - 09/30/99 | 193 | 0.4 | 5.6 | 3.2 | 50 |
| 09/30/99 - 10/07/99 | 168 | 0.1 | 3.0 | 0.4 | 0 |
| 10/07/99 - 10/13/99 | 144 | 0.2 | 3.9 | 0.7 | 0 |
| 10/13/99 - 10/20/99 | 168 | 0.4 | 4.7 | 1.0 | 2 |
| 10/20/99 - 10/27/99 | 168 | 0.0 | 4.0 | 1.5 | 1 |
| 10/27/99 - 11/03/99 | 172 | 1.8 | 6.2 | 3.4 | 20 |
| 11/03/99 - 11/10/99 | 164 | 3.9 | 6.0 | 4.6 | 93 |
| 11/10/99 - 11/17/99 | 167 | 3.6 | 6.7 | 5.2 | 96 |
| 11/17/99 - 11/24/99 | 168 | 4.5 | 7.2 | 5.8 | 100 |
| 11/24/99 - 12/01/99 | 167 | 4.8 | 7.3 | 5.9 | 100 |
| 12/01/99 - 12/08/99 | | | NO DATA | | |
| 12/08/99 - 12/15/99 | 167 | 0.5 | 4.9 | 1.6 | 11 |
| 12/15/99 - 12/22/99 | 169 | 0.2 | 6.7 | 3.8 | 55 |
| 12/22/99 - 12/29/99 | 170 | 3.8 | 7.0 | 5.6 | 97 |
| 12/29/99 - 01/06/00 | 187 | 2.4 | 6.7 | 4.7 | 52 |
| 01/06/00 - 01/12/00 | 143 | 5.5 | 7.3 | 6.2 | 100 |
| 01/12/00 - 01/19/00 | 167 | 6.2 | 7.3 | 6.7 | 100 |
| 01/19/00 - 01/26/00 | 167 | 6.5 | 7.9 | 7.1 | 100 |
| 01/26/00 - 02/03/00 | 191 | 7.2 | 9.6 | 8.3 | 100 |
| 02/03/00 - 02/09/00 | 145 | 6.7 | 10.0 | 7.8 | 100 |
| 02/09/00 - 02/16/00 | 166 | 6.2 | 8.3 | 6.9 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-13 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT INTERSTATE HIGHWAY 55 IN BUBBLY CREEK
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|------|------|--|
| | | min | max | mean | |
| 02/16/00 - 02/23/00 | 168 | 6.8 | 8.8 | 7.6 | 100 |
| 02/23/00 - 03/01/00 | 167 | 5.7 | 9.5 | 6.8 | 100 |
| 03/01/00 - 03/08/00 | 168 | 5.6 | 7.3 | 6.3 | 100 |
| 03/08/00 - 03/15/00 | 167 | 4.7 | 7.7 | 5.7 | 100 |
| 03/15/00 - 03/22/00 | 167 | 4.7 | 7.1 | 6.2 | 100 |
| 03/22/00 - 03/29/00 | 168 | 5.1 | 9.1 | 7.3 | 100 |
| 03/29/00 - 04/05/00 | 166 | 5.8 | 10.1 | 7.3 | 100 |
| 04/05/00 - 04/12/00 | 168 | 5.6 | 9.0 | 7.3 | 100 |
| 04/12/00 - 04/19/00 | | NO DATA | | | |
| 04/19/00 - 04/26/00 | 167 | 1.2 | 8.1 | 3.2 | 27 |
| 04/26/00 - 05/02/00 | 141 | 0.2 | 5.1 | 1.7 | 13 |
| 05/02/00 - 05/09/00 | 167 | 0.3 | 8.4 | 2.1 | 11 |
| 05/09/00 - 05/16/00 | 168 | 0.2 | 4.3 | 0.6 | 1 |
| 05/16/00 - 05/23/00 | 168 | 0.0 | 3.4 | 0.8 | 0 |
| 05/23/00 - 05/30/00 | 168 | 0.2 | 4.0 | 1.0 | 1 |
| 05/30/00 - 06/06/00 | 169 | 0.3 | 3.6 | 0.8 | 0 |
| 06/06/00 - 06/13/00 | 167 | 0.8 | 10.6 | 3.0 | 22 |
| 06/13/00 - 06/20/00 | 168 | 0.4 | 10.4 | 2.1 | 10 |
| 06/20/00 - 06/27/00 | 167 | 0.2 | 6.3 | 1.6 | 16 |
| 06/27/00 - 07/03/00 | 144 | 0.4 | 5.9 | 1.7 | 9 |
| 07/03/00 - 07/12/00 | 218 | 0.9 | 5.9 | 3.0 | 24 |
| 07/12/00 - 07/18/00 | 143 | 0.2 | 4.5 | 0.7 | 1 |
| 07/18/00 - 07/25/00 | 167 | 1.0 | 4.7 | 2.5 | 7 |
| 07/25/00 - 08/01/00 | 169 | 0.3 | 11.8 | 3.9 | 49 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-14

WEEKLY DO SUMMARY STATISTICS
 AT CICERO AVENUE ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/05/98 - 08/12/98 | 167 | 0.4 | 6.0 | 2.6 | 18 |
| 08/12/98 - 08/19/98 | 168 | 4.3 | 6.1 | 5.3 | 100 |
| 08/19/98 - 08/26/98 | 167 | 1.7 | 6.1 | 5.0 | 84 |
| 08/26/98 - 09/02/98 | 164 | 3.0 | 5.9 | 4.7 | 90 |
| 09/02/98 - 09/09/98 | 169 | 3.3 | 6.0 | 5.1 | 92 |
| 09/09/98 - 09/16/98 | 167 | 4.0 | 6.9 | 5.5 | 100 |
| 09/16/98 - 09/22/98 | | | NO DATA | | |
| 09/22/98 - 09/30/98 | 192 | 4.5 | 6.5 | 5.4 | 100 |
| 09/30/98 - 10/07/98 | 164 | 5.4 | 6.7 | 6.1 | 100 |
| 10/07/98 - 10/14/98 | 169 | 5.7 | 6.9 | 6.1 | 100 |
| 10/14/98 - 10/21/98 | 161 | 1.4 | 7.1 | 4.8 | 72 |
| 10/21/98 - 10/28/98 | 168 | 4.5 | 6.1 | 5.3 | 100 |
| 10/28/98 - 11/04/98 | 167 | 4.2 | 5.8 | 4.9 | 100 |
| 11/04/98 - 11/12/98 | 193 | 3.7 | 6.7 | 4.9 | 81 |
| 11/12/98 - 11/17/98 | 121 | 3.7 | 6.5 | 5.4 | 92 |
| 11/17/98 - 11/24/98 | 165 | 4.1 | 6.6 | 5.4 | 100 |
| 11/24/98 - 12/02/98 | 192 | 4.7 | 6.8 | 5.5 | 100 |
| 12/02/98 - 12/09/98 | 169 | 1.9 | 6.4 | 4.8 | 85 |
| 12/09/98 - 12/16/98 | 173 | 2.4 | 5.6 | 4.4 | 75 |
| 12/16/98 - 12/22/98 | 140 | 4.5 | 6.0 | 4.9 | 100 |
| 12/22/98 - 12/29/98 | 168 | 5.6 | 7.6 | 6.4 | 100 |
| 12/29/98 - 01/06/99 | 195 | 6.3 | 9.1 | 7.8 | 100 |
| 01/06/99 - 01/13/99 | 163 | 7.3 | 9.2 | 8.5 | 100 |
| 01/13/99 - 01/20/99 | 169 | 6.7 | 8.7 | 7.7 | 100 |
| 01/20/99 - 01/27/99 | 139 | 6.6 | 9.4 | 8.4 | 100 |
| 01/27/99 - 02/03/99 | 173 | 7.3 | 9.5 | 8.3 | 100 |
| 02/03/99 - 02/10/99 | 163 | 6.1 | 8.4 | 7.3 | 100 |
| 02/10/99 - 02/17/99 | 168 | 5.8 | 8.0 | 6.9 | 100 |
| 02/17/99 - 02/24/99 | 168 | 5.6 | 8.7 | 6.7 | 100 |
| 02/24/99 - 03/03/99 | | | NO DATA | | |
| 03/03/99 - 03/11/99 | 192 | 5.9 | 9.0 | 7.7 | 100 |
| 03/11/99 - 03/17/99 | 144 | 7.2 | 9.2 | 8.4 | 100 |
| 03/17/99 - 03/24/99 | 173 | 7.6 | 9.3 | 8.2 | 100 |
| 03/24/99 - 03/31/99 | 163 | 6.4 | 8.7 | 7.5 | 100 |
| 03/31/99 - 04/07/99 | 167 | 5.1 | 7.0 | 5.9 | 100 |
| 04/07/99 - 04/14/99 | 168 | 3.7 | 7.4 | 5.9 | 96 |
| 04/14/99 - 04/21/99 | 168 | 3.1 | 7.2 | 6.0 | 99 |
| 04/21/99 - 04/28/99 | 166 | 2.8 | 7.9 | 6.5 | 98 |
| 04/28/99 - 05/06/99 | | | NO DATA | | |
| 05/06/99 - 05/12/99 | 144 | 2.1 | 4.7 | 3.6 | 15 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-14 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT CICERO AVENUE ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/12/99 - 05/19/99 | 170 | 2.9 | 5.6 | 4.3 | 76 |
| 05/19/99 - 05/26/99 | 163 | 2.5 | 5.1 | 3.7 | 28 |
| 05/26/99 - 06/02/99 | 168 | 1.0 | 7.9 | 4.7 | 77 |
| 06/02/99 - 06/09/99 | 166 | 0.5 | 4.7 | 2.6 | 13 |
| 06/09/99 - 06/16/99 | 172 | 1.2 | 5.9 | 3.0 | 18 |
| 06/17/99 - 06/23/99 | 141 | 4.1 | 6.5 | 4.9 | 100 |
| 06/23/99 - 06/30/99 | 170 | 1.4 | 6.0 | 2.9 | 11 |
| 06/30/99 - 07/07/99 | 164 | 1.8 | 5.7 | 3.7 | 30 |
| 07/07/99 - 07/14/99 | 168 | 4.8 | 6.3 | 5.6 | 100 |
| 07/14/99 - 07/21/99 | 168 | 4.2 | 6.9 | 5.4 | 100 |
| 07/21/99 - 07/28/99 | 167 | 1.9 | 6.8 | 4.8 | 83 |
| 07/28/99 - 08/05/99 | 189 | 5.2 | 6.7 | 5.9 | 100 |
| 08/05/99 - 08/11/99 | 145 | 4.5 | 6.1 | 5.5 | 100 |
| 08/11/99 - 08/18/99 | 161 | 4.6 | 5.8 | 5.1 | 100 |
| 08/18/99 - 08/25/99 | 174 | 1.3 | 6.6 | 5.3 | 95 |
| 08/25/99 - 09/01/99 | 163 | 4.2 | 5.9 | 5.1 | 100 |
| 09/01/99 - 09/08/99 | 168 | 4.5 | 5.8 | 5.1 | 100 |
| 09/08/99 - 09/15/99 | 169 | 4.6 | 6.5 | 5.4 | 100 |
| 09/15/99 - 09/22/99 | 163 | 4.4 | 6.3 | 5.3 | 100 |
| 09/22/99 - 09/30/99 | 192 | 0.0 | 6.4 | 4.5 | 77 |
| 09/30/99 - 10/07/99 | 168 | 0.1 | 5.8 | 4.1 | 64 |
| 10/07/99 - 10/13/99 | 144 | 5.1 | 6.5 | 5.9 | 100 |
| 10/13/99 - 10/20/99 | 168 | 5.2 | 6.6 | 6.0 | 100 |
| 10/20/99 - 10/27/99 | | | NO DATA | | |
| 10/27/99 - 11/03/99 | 172 | 5.8 | 7.5 | 6.7 | 100 |
| 11/03/99 - 11/10/99 | 164 | 5.2 | 7.5 | 6.5 | 100 |
| 11/10/99 - 11/17/99 | 166 | 3.4 | 6.8 | 5.2 | 97 |
| 11/17/99 - 11/24/99 | 168 | 5.7 | 7.0 | 6.3 | 100 |
| 11/24/99 - 12/01/99 | 169 | 5.2 | 7.0 | 6.2 | 100 |
| 12/01/99 - 12/08/99 | 169 | 4.1 | 7.0 | 5.9 | 100 |
| 12/08/99 - 12/15/99 | 167 | 4.5 | 6.8 | 5.9 | 100 |
| 12/15/99 - 12/22/99 | 168 | 5.4 | 7.4 | 6.2 | 100 |
| 12/22/99 - 12/29/99 | 170 | 6.3 | 7.7 | 7.0 | 100 |
| 12/29/99 - 01/06/00 | 188 | 6.2 | 8.1 | 7.4 | 100 |
| 01/06/00 - 01/12/00 | | | NO DATA | | |
| 01/12/00 - 01/19/00 | 167 | 5.6 | 7.0 | 6.4 | 100 |
| 01/19/00 - 01/26/00 | 167 | 6.4 | 7.8 | 6.9 | 100 |
| 01/26/00 - 02/03/00 | 191 | 6.3 | 8.6 | 7.3 | 100 |
| 02/03/00 - 02/09/00 | 144 | 5.2 | 6.3 | 5.7 | 100 |
| 02/09/00 - 02/16/00 | 167 | 5.6 | 6.7 | 6.0 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-14 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT CICERO AVENUE ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 02/16/00 - 02/23/00 | 168 | 4.0 | 6.8 | 6.0 | 100 |
| 02/23/00 - 03/01/00 | 168 | 5.5 | 6.9 | 6.2 | 100 |
| 03/01/00 - 03/08/00 | 170 | 3.9 | 6.6 | 5.1 | 99 |
| 03/08/00 - 03/15/00 | 165 | 3.7 | 5.7 | 4.9 | 94 |
| 03/15/00 - 03/22/00 | 169 | 3.0 | 5.3 | 4.4 | 78 |
| 03/22/00 - 03/29/00 | 167 | 3.6 | 6.2 | 4.8 | 95 |
| 03/29/00 - 04/05/00 | | | NO DATA | | |
| 04/05/00 - 04/12/00 | 168 | 4.4 | 7.0 | 5.6 | 100 |
| 04/12/00 - 04/19/00 | 168 | 3.6 | 8.0 | 5.7 | 98 |
| 04/19/00 - 04/26/00 | 168 | 2.1 | 6.8 | 5.5 | 96 |
| 04/26/00 - 05/02/00 | 139 | 2.3 | 5.7 | 4.4 | 72 |
| 05/02/00 - 05/09/00 | 167 | 4.2 | 7.3 | 5.4 | 100 |
| 05/09/00 - 05/16/00 | 167 | 0.3 | 3.8 | 1.6 | 0 |
| 05/16/00 - 05/23/00 | 168 | 2.3 | 4.4 | 3.2 | 2 |
| 05/23/00 - 05/30/00 | 169 | 0.0 | 4.3 | 2.8 | 7 |
| 05/30/00 - 06/06/00 | 169 | 2.2 | 5.3 | 3.7 | 34 |
| 06/06/00 - 06/13/00 | 167 | 2.4 | 7.9 | 5.4 | 95 |
| 06/13/00 - 06/20/00 | 168 | 0.4 | 4.7 | 2.9 | 8 |
| 06/20/00 - 06/27/00 | | | NO DATA | | |
| 06/27/00 - 07/03/00 | 144 | 1.7 | 6.8 | 4.0 | 47 |
| 07/03/00 - 07/12/00 | 217 | 1.1 | 5.5 | 3.8 | 65 |
| 07/12/00 - 07/18/00 | 142 | 2.9 | 5.3 | 4.6 | 85 |
| 07/18/00 - 07/25/00 | 167 | 4.5 | 6.2 | 5.3 | 100 |
| 07/25/00 - 08/01/00 | 168 | 4.1 | 5.4 | 4.9 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-15

WEEKLY DO SUMMARY STATISTICS
 AT B&O CENTRAL RAILROAD ON THE CHICAGO SANITARY AND SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|---------|------|--|
| | | min | max | mean | |
| 08/05/98 - 08/12/98 | 164 | 0.7 | 5.0 | 3.7 | 1 |
| 08/12/98 - 08/19/98 | 168 | 4.8 | 5.9 | 5.4 | 39 |
| 08/19/98 - 08/26/98 | 167 | 3.4 | 6.1 | 5.4 | 98 |
| 08/26/98 - 09/02/98 | 168 | 4.5 | 6.0 | 5.3 | 100 |
| 09/02/98 - 09/09/98 | 168 | 5.2 | 6.4 | 5.6 | 100 |
| 09/09/98 - 09/16/98 | 166 | 4.6 | 6.5 | 5.5 | 100 |
| 09/16/98 - 09/22/98 | 144 | 5.4 | 6.5 | 5.9 | 100 |
| 09/22/98 - 09/30/98 | 192 | 4.9 | 6.2 | 5.6 | 100 |
| 09/30/98 - 10/07/98 | 168 | 5.7 | 6.8 | 6.3 | 100 |
| 10/07/98 - 10/14/98 | 168 | 5.7 | 6.9 | 6.1 | 100 |
| 10/14/98 - 10/21/98 | 168 | 3.4 | 6.9 | 5.8 | 93 |
| 10/21/98 - 10/28/98 | 168 | 5.3 | 7.0 | 6.3 | 100 |
| 10/28/98 - 11/04/98 | 168 | 5.2 | 6.9 | 6.1 | 100 |
| 11/04/98 - 11/12/98 | 192 | 5.8 | 8.6 | 6.8 | 100 |
| 11/12/98 - 11/17/98 | 121 | 6.1 | 7.8 | 7.2 | 100 |
| 11/17/98 - 11/24/98 | 165 | 5.7 | 7.5 | 6.7 | 100 |
| 11/24/98 - 12/02/98 | 191 | 6.5 | 7.8 | 7.1 | 100 |
| 12/02/98 - 12/09/98 | 169 | 4.2 | 8.2 | 6.5 | 100 |
| 12/09/98 - 12/16/98 | 173 | 5.2 | 8.1 | 6.9 | 100 |
| 12/16/98 - 12/22/98 | 140 | 6.6 | 7.8 | 7.2 | 100 |
| 12/22/98 - 12/29/98 | 168 | 7.2 | 8.7 | 8.0 | 100 |
| 12/29/98 - 01/06/99 | 196 | 7.2 | 9.9 | 8.8 | 100 |
| 01/06/99 - 01/13/99 | 164 | 8.5 | 9.8 | 9.2 | 100 |
| 01/13/99 - 01/20/99 | 170 | 8.1 | 9.8 | 8.9 | 100 |
| 01/20/99 - 01/27/99 | | | NO DATA | | |
| 01/27/99 - 02/03/99 | 173 | 8.1 | 9.3 | 8.7 | 100 |
| 02/03/99 - 02/10/99 | 163 | 7.6 | 8.6 | 8.2 | 100 |
| 02/10/99 - 02/17/99 | 168 | 7.3 | 8.8 | 8.0 | 100 |
| 02/17/99 - 02/24/99 | 168 | 5.7 | 8.4 | 7.5 | 100 |
| 02/24/99 - 03/03/99 | 167 | 7.3 | 9.0 | 8.2 | 100 |
| 03/03/99 - 03/11/99 | 193 | 7.0 | 9.5 | 8.6 | 100 |
| 03/11/99 - 03/17/99 | 142 | 8.4 | 9.6 | 8.9 | 100 |
| 03/17/99 - 03/24/99 | 173 | 8.0 | 9.3 | 8.8 | 100 |
| 03/24/99 - 03/31/99 | 163 | 7.0 | 8.8 | 7.9 | 100 |
| 03/31/99 - 04/07/99 | 166 | 6.1 | 8.0 | 7.0 | 100 |
| 04/07/99 - 04/14/99 | 167 | 4.2 | 8.5 | 7.1 | 100 |
| 04/14/99 - 04/21/99 | 169 | 3.8 | 8.4 | 7.1 | 99 |
| 04/21/99 - 04/28/99 | 166 | 4.8 | 9.1 | 7.9 | 100 |
| 04/28/99 - 05/06/99 | 193 | 4.4 | 8.2 | 6.6 | 100 |
| 05/06/99 - 05/12/99 | 146 | 5.0 | 7.4 | 6.3 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-15 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT B&O CENTRAL RAILROAD ON THE CHICAGO SANITARY AND SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/12/99 - 05/19/99 | 170 | 4.8 | 7.6 | 6.2 | 100 |
| 05/19/99 - 05/26/99 | 163 | 4.9 | 7.0 | 6.1 | 100 |
| 05/26/99 - 06/02/99 | | | NO DATA | | |
| 06/02/99 - 06/09/99 | 168 | 2.5 | 5.7 | 4.5 | 76 |
| 06/09/99 - 06/16/99 | 171 | 1.5 | 5.9 | 4.1 | 61 |
| 06/17/99 - 06/23/99 | 141 | 3.3 | 6.3 | 5.3 | 98 |
| 06/23/99 - 06/30/99 | 173 | 3.1 | 5.9 | 4.5 | 90 |
| 06/30/99 - 07/07/99 | 163 | 3.9 | 6.2 | 5.1 | 99 |
| 07/07/99 - 07/14/99 | 168 | 3.9 | 5.6 | 4.8 | 97 |
| 07/14/99 - 07/21/99 | 167 | 4.8 | 6.0 | 5.3 | 100 |
| 07/21/99 - 07/28/99 | 168 | 2.4 | 5.7 | 4.5 | 86 |
| 07/28/99 - 08/05/99 | | | NO DATA | | |
| 08/05/99 - 08/11/99 | 144 | 5.1 | 5.9 | 5.6 | 100 |
| 08/11/99 - 08/18/99 | 157 | 4.0 | 5.6 | 4.8 | 100 |
| 08/18/99 - 08/25/99 | 180 | 0.0 | 5.8 | 3.8 | 62 |
| 08/25/99 - 09/01/99 | 169 | 4.8 | 6.4 | 5.6 | 100 |
| 09/01/99 - 09/08/99 | 167 | 5.2 | 6.5 | 5.7 | 100 |
| 09/08/99 - 09/15/99 | 172 | 5.4 | 6.6 | 5.9 | 100 |
| 09/15/99 - 09/22/99 | 163 | 4.8 | 6.5 | 5.7 | 100 |
| 09/22/99 - 09/30/99 | 192 | 2.8 | 6.9 | 5.5 | 95 |
| 09/30/99 - 10/07/99 | 168 | 3.7 | 7.5 | 5.5 | 94 |
| 10/07/99 - 10/13/99 | 144 | 5.6 | 6.4 | 5.9 | 100 |
| 10/13/99 - 10/20/99 | 168 | 5.6 | 6.9 | 6.3 | 100 |
| 10/20/99 - 10/27/99 | 168 | 5.7 | 6.7 | 6.2 | 100 |
| 10/27/99 - 11/03/99 | | | NO DATA | | |
| 11/03/99 - 11/10/99 | 164 | 6.1 | 7.5 | 7.0 | 100 |
| 11/10/99 - 11/17/99 | 166 | 6.4 | 7.6 | 7.0 | 100 |
| 11/17/99 - 11/24/99 | 168 | 6.6 | 7.6 | 7.0 | 100 |
| 11/24/99 - 12/01/99 | 167 | 6.7 | 8.0 | 7.3 | 100 |
| 12/01/99 - 12/08/99 | 169 | 6.3 | 8.3 | 7.3 | 100 |
| 12/08/99 - 12/15/99 | 167 | 6.9 | 8.0 | 7.3 | 100 |
| 12/15/99 - 12/22/99 | 168 | 6.7 | 8.6 | 7.6 | 100 |
| 12/22/99 - 12/29/99 | 172 | 7.3 | 9.0 | 8.2 | 100 |
| 12/29/99 - 01/06/00 | 188 | 7.0 | 8.7 | 7.9 | 100 |
| 01/06/00 - 01/12/00 | 144 | 6.3 | 8.1 | 7.4 | 100 |
| 01/12/00 - 01/19/00 | 167 | 6.4 | 8.5 | 7.4 | 100 |
| 01/19/00 - 01/26/00 | 169 | 6.7 | 8.9 | 8.1 | 100 |
| 01/26/00 - 02/03/00 | 191 | 7.2 | 9.0 | 8.1 | 100 |
| 02/03/00 - 02/09/00 | 142 | 6.2 | 8.1 | 7.3 | 100 |
| 02/09/00 - 02/16/00 | 167 | 6.0 | 8.1 | 7.1 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-15 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT B&O CENTRAL RAILROAD ON THE CHICAGO SANITARY AND SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|-----|------|----------------------------------|
| | | min | max | mean | |
| 02/16/00 - 02/23/00 | 168 | 6.0 | 8.5 | 7.3 | 100 |
| 02/23/00 - 03/01/00 | 168 | 6.2 | 7.9 | 7.1 | 100 |
| 03/01/00 - 03/08/00 | 169 | 4.5 | 7.2 | 6.1 | 100 |
| 03/08/00 - 03/15/00 | 168 | 5.6 | 7.3 | 6.2 | 100 |
| 03/15/00 - 03/22/00 | 167 | 4.6 | 7.5 | 6.1 | 100 |
| 03/22/00 - 03/29/00 | 167 | 5.3 | 7.3 | 6.1 | 100 |
| 03/29/00 - 04/05/00 | 167 | 4.9 | 7.2 | 5.9 | 100 |
| 04/05/00 - 04/12/00 | 168 | 5.5 | 7.9 | 6.9 | 100 |
| 04/12/00 - 04/19/00 | 168 | 4.7 | 8.0 | 6.4 | 100 |
| 04/19/00 - 04/26/00 | 168 | 4.0 | 8.1 | 6.6 | 100 |
| 04/26/00 - 05/03/00 | 168 | 4.8 | 7.4 | 6.2 | 100 |
| 05/03/00 - 05/10/00 | 164 | 2.2 | 7.7 | 5.7 | 91 |
| 05/10/00 - 05/17/00 | 172 | 3.8 | 7.0 | 5.4 | 97 |
| 05/17/00 - 05/24/00 | 162 | 3.8 | 6.7 | 5.3 | 99 |
| 05/24/00 - 05/31/00 | 170 | 4.0 | 7.0 | 5.4 | 100 |
| 05/31/00 - 06/07/00 | 166 | 4.1 | 6.8 | 5.6 | 100 |
| 06/07/00 - 06/14/00 | 172 | 4.7 | 6.7 | 5.9 | 100 |
| 06/14/00 - 06/21/00 | 166 | 3.6 | 6.3 | 5.1 | 96 |
| 06/21/00 - 06/28/00 | 168 | 3.6 | 6.4 | 5.2 | 95 |
| 06/28/00 - 07/05/00 | 168 | 2.5 | 6.4 | 5.0 | 87 |
| 07/05/00 - 07/13/00 | 189 | 2.9 | 5.8 | 4.8 | 90 |
| 07/13/00 - 07/19/00 | 147 | 4.0 | 5.4 | 4.8 | 99 |
| 07/19/00 - 07/26/00 | 168 | 4.6 | 5.9 | 5.2 | 100 |
| 07/26/00 - 08/02/00 | 168 | 4.3 | 5.6 | 5.0 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-16

WEEKLY DO SUMMARY STATISTICS
 AT ROUTE 83 ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/05/98 - 08/12/98 | 167 | 0.4 | 3.8 | 2.6 | 0 |
| 08/12/98 - 08/19/98 | 168 | 3.7 | 5.0 | 4.6 | 96 |
| 08/19/98 - 08/26/98 | | | NO DATA | | |
| 08/26/98 - 09/02/98 | | | NO DATA | | |
| 09/02/98 - 09/09/98 | 166 | 4.0 | 5.4 | 4.9 | 100 |
| 09/09/98 - 09/16/98 | 168 | 4.0 | 5.5 | 4.7 | 99 |
| 09/16/98 - 09/22/98 | 144 | 3.9 | 5.3 | 4.6 | 99 |
| 09/22/98 - 09/30/98 | 192 | 4.3 | 5.6 | 4.9 | 100 |
| 09/30/98 - 10/07/98 | 163 | 4.4 | 6.3 | 5.4 | 100 |
| 10/07/98 - 10/14/98 | 168 | 5.0 | 5.9 | 5.4 | 100 |
| 10/14/98 - 10/21/98 | | | NO DATA | | |
| 10/21/98 - 10/28/98 | 168 | 4.2 | 6.4 | 5.6 | 100 |
| 10/28/98 - 11/04/98 | 168 | 4.6 | 6.7 | 5.5 | 100 |
| 11/04/98 - 11/12/98 | | | NO DATA | | |
| 11/12/98 - 11/17/98 | 121 | 4.3 | 6.7 | 6.0 | 100 |
| 11/17/98 - 11/24/98 | 165 | 5.4 | 7.0 | 6.2 | 100 |
| 11/24/98 - 12/02/98 | 191 | 5.8 | 7.0 | 6.4 | 100 |
| 12/02/98 - 12/09/98 | 168 | 4.5 | 7.1 | 6.0 | 100 |
| 12/09/98 - 12/16/98 | 173 | 3.9 | 7.3 | 6.2 | 99 |
| 12/16/98 - 12/22/98 | 151 | 5.8 | 6.9 | 6.3 | 100 |
| 12/23/98 - 12/30/98 | 185 | 6.5 | 8.2 | 7.6 | 100 |
| 12/30/98 - 01/06/99 | 168 | 6.6 | 9.8 | 8.2 | 100 |
| 01/06/99 - 01/13/99 | 164 | 8.4 | 10.2 | 9.1 | 100 |
| 01/13/99 - 01/20/99 | 169 | 7.4 | 9.8 | 8.6 | 100 |
| 01/20/99 - 01/27/99 | 165 | 4.7 | 7.9 | 7.0 | 100 |
| 01/27/99 - 02/03/99 | 168 | 7.4 | 8.5 | 7.9 | 100 |
| 02/03/99 - 02/10/99 | 168 | 6.6 | 7.7 | 7.2 | 100 |
| 02/10/99 - 02/17/99 | 168 | 6.7 | 8.0 | 7.3 | 100 |
| 02/17/99 - 02/24/99 | 168 | 5.4 | 8.2 | 7.0 | 100 |
| 02/24/99 - 03/03/99 | 167 | 5.9 | 8.3 | 6.9 | 100 |
| 03/03/99 - 03/11/99 | 191 | 7.1 | 10.4 | 8.6 | 100 |
| 03/11/99 - 03/17/99 | | | NO DATA | | |
| 03/17/99 - 03/24/99 | 173 | 7.2 | 8.5 | 7.7 | 100 |
| 03/24/99 - 03/31/99 | 162 | 6.3 | 8.2 | 7.2 | 100 |
| 03/31/99 - 04/07/99 | 166 | 4.0 | 6.9 | 5.5 | 99 |
| 04/07/99 - 04/14/99 | | | NO DATA | | |
| 04/14/99 - 04/21/99 | 169 | 2.5 | 7.2 | 6.1 | 96 |
| 04/21/99 - 04/28/99 | | | NO DATA | | |
| 04/28/99 - 05/06/99 | 192 | 2.4 | 7.3 | 5.7 | 94 |
| 05/06/99 - 05/12/99 | | | NO DATA | | |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-16 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT ROUTE 83 ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|-----|------|----------------------------------|
| | | min | max | mean | |
| 05/12/99 - 05/19/99 | | | | | NO DATA |
| 05/19/99 - 05/26/99 | | | | | NO DATA |
| 05/26/99 - 06/02/99 | | | | | NO DATA |
| 06/02/99 - 06/09/99 | | | | | NO DATA |
| 06/09/99 - 06/16/99 | | | | | NO DATA |
| 06/16/99 - 06/23/99 | 163 | 4.1 | 5.3 | 4.6 | 100 |
| 06/23/99 - 06/30/99 | 175 | 0.4 | 4.4 | 3.1 | 11 |
| 06/30/99 - 07/07/99 | 162 | 1.5 | 4.0 | 2.9 | 1 |
| 07/07/99 - 07/14/99 | 169 | 2.3 | 4.3 | 3.4 | 7 |
| 07/14/99 - 07/21/99 | 166 | 4.0 | 5.0 | 4.5 | 99 |
| 07/21/99 - 07/28/99 | 171 | 1.3 | 4.7 | 3.3 | 18 |
| 07/28/99 - 08/05/99 | 189 | 3.5 | 5.5 | 4.8 | 98 |
| 08/05/99 - 08/11/99 | 144 | 3.9 | 5.3 | 4.4 | 95 |
| 08/11/99 - 08/18/99 | 166 | 3.6 | 4.8 | 4.2 | 84 |
| 08/18/99 - 08/25/99 | 170 | 0.2 | 4.6 | 3.0 | 8 |
| 08/25/99 - 09/01/99 | 168 | 3.4 | 5.2 | 4.4 | 76 |
| 09/01/99 - 09/08/99 | 169 | 4.1 | 5.2 | 4.8 | 100 |
| 09/08/99 - 09/15/99 | 173 | 4.3 | 5.7 | 5.1 | 100 |
| 09/15/99 - 09/22/99 | 162 | 3.9 | 5.2 | 4.6 | 96 |
| 09/22/99 - 09/30/99 | 193 | 1.2 | 5.9 | 4.7 | 85 |
| 09/30/99 - 10/07/99 | | | | | NO DATA |
| 10/07/99 - 10/13/99 | | | | | NO DATA |
| 10/13/99 - 10/20/99 | 167 | 4.3 | 5.9 | 5.1 | 100 |
| 10/20/99 - 10/27/99 | 169 | 5.2 | 6.0 | 5.5 | 100 |
| 10/27/99 - 11/03/99 | 168 | 5.4 | 6.1 | 5.7 | 100 |
| 11/03/99 - 11/10/99 | 167 | 2.8 | 7.2 | 6.4 | 99 |
| 11/10/99 - 11/17/99 | 166 | 5.5 | 6.9 | 6.1 | 100 |
| 11/17/99 - 11/24/99 | 167 | 5.3 | 6.5 | 5.7 | 100 |
| 11/24/99 - 12/01/99 | 167 | 5.6 | 7.1 | 6.3 | 100 |
| 12/01/99 - 12/08/99 | 169 | 5.2 | 7.5 | 6.5 | 100 |
| 12/08/99 - 12/15/99 | 167 | 6.2 | 7.4 | 6.7 | 100 |
| 12/15/99 - 12/22/99 | | | | | NO DATA |
| 12/22/99 - 12/29/99 | 168 | 6.4 | 8.1 | 7.4 | 100 |
| 12/29/99 - 01/05/00 | 169 | 6.7 | 8.3 | 7.5 | 100 |
| 01/05/00 - 01/12/00 | 167 | 6.4 | 8.0 | 7.2 | 100 |
| 01/12/00 - 01/19/00 | 168 | 6.0 | 7.5 | 6.7 | 100 |
| 01/19/00 - 01/26/00 | 168 | 5.9 | 8.5 | 7.5 | 100 |
| 01/26/00 - 02/03/00 | 191 | 6.8 | 8.5 | 7.6 | 100 |
| 02/03/00 - 02/09/00 | 144 | 5.8 | 8.2 | 6.8 | 100 |
| 02/09/00 - 02/16/00 | 168 | 5.3 | 7.0 | 6.2 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-16 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT ROUTE 83 ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|---------|------|--|
| | | min | max | mean | |
| 02/16/00 - 02/23/00 | 168 | 5.9 | 7.9 | 6.8 | 100 |
| 02/23/00 - 03/01/00 | 168 | 5.8 | 7.3 | 6.5 | 100 |
| 03/01/00 - 03/08/00 | 169 | 4.3 | 6.3 | 5.2 | 100 |
| 03/08/00 - 03/15/00 | 169 | 4.3 | 5.7 | 5.0 | 100 |
| 03/15/00 - 03/22/00 | 166 | 3.8 | 6.1 | 5.3 | 99 |
| 03/22/00 - 03/29/00 | 168 | 3.9 | 5.8 | 4.9 | 98 |
| 03/29/00 - 04/05/00 | 167 | 3.7 | 5.8 | 4.6 | 83 |
| 04/05/00 - 04/12/00 | 168 | 4.3 | 6.6 | 5.5 | 100 |
| 04/12/00 - 04/19/00 | 168 | 4.2 | 7.1 | 5.7 | 100 |
| 04/19/00 - 04/26/00 | 168 | 2.3 | 7.2 | 5.5 | 92 |
| 04/26/00 - 05/03/00 | | | NO DATA | | |
| 05/03/00 - 05/10/00 | 168 | 1.0 | 6.0 | 4.3 | 74 |
| 05/10/00 - 05/17/00 | 169 | 0.2 | 5.7 | 3.8 | 41 |
| 05/17/00 - 05/24/00 | 167 | 4.6 | 6.2 | 5.5 | 100 |
| 05/24/00 - 05/31/00 | 167 | 3.4 | 5.7 | 4.5 | 83 |
| 05/31/00 - 06/07/00 | 169 | 2.3 | 5.9 | 4.8 | 93 |
| 06/07/00 - 06/14/00 | 168 | 4.2 | 6.2 | 5.6 | 100 |
| 06/14/00 - 06/21/00 | 167 | 2.9 | 5.6 | 4.2 | 68 |
| 06/21/00 - 06/28/00 | | | NO DATA | | |
| 06/28/00 - 07/05/00 | 168 | 1.5 | 5.3 | 3.7 | 39 |
| 07/05/00 - 07/13/00 | 192 | 2.7 | 4.9 | 4.1 | 64 |
| 07/13/00 - 07/19/00 | 143 | 2.3 | 4.6 | 3.9 | 52 |
| 07/19/00 - 07/26/00 | 167 | 3.8 | 5.2 | 4.5 | 93 |
| 07/26/00 - 08/02/00 | 168 | 3.2 | 4.7 | 4.2 | 82 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-17

WEEKLY DO SUMMARY STATISTICS
 AT RIVER MILE 302.6 ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/05/98 - 08/12/98 | 162 | 1.4 | 4.0 | 3.0 | 1 |
| 08/12/98 - 08/19/98 | | | NO DATA | | |
| 08/19/98 - 08/26/98 | 167 | 2.7 | 5.3 | 4.5 | 83 |
| 08/26/98 - 09/02/98 | 168 | 3.4 | 5.3 | 4.4 | 93 |
| 09/02/98 - 09/09/98 | 169 | 4.1 | 5.8 | 5.3 | 100 |
| 09/09/98 - 09/16/98 | 167 | 3.9 | 5.0 | 4.6 | 98 |
| 09/16/98 - 09/22/98 | 145 | 4.0 | 5.0 | 4.5 | 100 |
| 09/22/98 - 09/30/98 | 192 | 4.8 | 6.0 | 5.4 | 100 |
| 09/30/98 - 10/07/98 | 168 | 4.6 | 6.1 | 5.5 | 100 |
| 10/07/98 - 10/14/98 | 168 | 5.0 | 5.9 | 5.5 | 100 |
| 10/14/98 - 10/21/98 | 168 | 3.7 | 6.1 | 5.3 | 95 |
| 10/21/98 - 10/28/98 | 168 | 4.6 | 6.3 | 5.7 | 100 |
| 10/28/98 - 11/04/98 | 168 | 4.7 | 6.6 | 5.4 | 100 |
| 11/04/98 - 11/12/98 | 189 | 5.4 | 7.8 | 6.2 | 100 |
| 11/12/98 - 11/17/98 | 122 | 5.1 | 7.1 | 6.3 | 100 |
| 11/17/98 - 11/24/98 | | | NO DATA | | |
| 11/24/98 - 12/02/98 | 191 | 5.9 | 7.0 | 6.4 | 100 |
| 12/02/98 - 12/09/98 | 168 | 4.9 | 6.9 | 5.9 | 100 |
| 12/09/98 - 12/16/98 | 170 | 6.0 | 8.4 | 7.1 | 100 |
| 12/16/98 - 12/22/98 | 151 | 5.8 | 6.9 | 6.3 | 100 |
| 12/23/98 - 12/30/98 | 185 | 6.7 | 7.8 | 7.3 | 100 |
| 12/30/98 - 01/06/99 | 168 | 6.5 | 8.7 | 7.8 | 100 |
| 01/06/99 - 01/13/99 | 164 | 8.6 | 10.1 | 9.1 | 100 |
| 01/13/99 - 01/20/99 | 169 | 7.8 | 9.4 | 8.6 | 100 |
| 01/20/99 - 01/27/99 | 166 | 6.6 | 8.9 | 7.8 | 100 |
| 01/27/99 - 02/03/99 | 168 | 7.8 | 9.2 | 8.3 | 100 |
| 02/03/99 - 02/10/99 | 167 | 6.8 | 8.0 | 7.4 | 100 |
| 02/10/99 - 02/17/99 | 168 | 6.6 | 7.8 | 7.2 | 100 |
| 02/17/99 - 02/24/99 | 168 | 6.0 | 7.8 | 7.1 | 100 |
| 02/24/99 - 03/03/99 | 168 | 6.8 | 8.0 | 7.5 | 100 |
| 03/03/99 - 03/11/99 | 192 | 6.9 | 8.8 | 7.8 | 100 |
| 03/11/99 - 03/18/99 | 168 | 7.7 | 9.1 | 8.5 | 100 |
| 03/18/99 - 03/24/99 | 148 | 7.1 | 8.7 | 7.8 | 100 |
| 03/24/99 - 03/31/99 | 168 | 6.5 | 8.5 | 7.3 | 100 |
| 03/31/99 - 04/07/99 | 163 | 5.0 | 8.1 | 6.2 | 100 |
| 04/07/99 - 04/14/99 | 168 | 4.0 | 7.0 | 5.8 | 100 |
| 04/14/99 - 04/21/99 | 169 | 4.4 | 7.3 | 6.5 | 100 |
| 04/21/99 - 04/28/99 | 168 | 4.1 | 7.4 | 6.3 | 100 |
| 04/28/99 - 05/05/99 | 168 | 3.9 | 6.9 | 5.9 | 99 |
| 05/05/99 - 05/12/99 | 166 | 3.6 | 5.7 | 4.7 | 95 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-17 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT RIVER MILE 302.6 ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/12/99 - 05/19/99 | 168 | 4.9 | 7.8 | 5.6 | 100 |
| 05/19/99 - 05/26/99 | | | NO DATA | | |
| 05/26/99 - 06/01/99 | 145 | 4.2 | 5.3 | 4.7 | 100 |
| 06/01/99 - 06/09/99 | 191 | 2.0 | 5.5 | 3.9 | 38 |
| 06/09/99 - 06/16/99 | 171 | 1.7 | 4.9 | 3.6 | 42 |
| 06/16/99 - 06/23/99 | 166 | 3.5 | 4.9 | 4.4 | 96 |
| 06/23/99 - 06/30/99 | 172 | 3.0 | 4.7 | 3.8 | 25 |
| 06/30/99 - 06/07/99 | 164 | 3.0 | 4.8 | 3.9 | 49 |
| 06/07/99 - 07/14/99 | 167 | 3.6 | 4.6 | 4.1 | 75 |
| 07/14/99 - 07/21/99 | | | NO DATA | | |
| 07/21/99 - 07/28/99 | | | NO DATA | | |
| 07/28/99 - 08/05/99 | | | NO DATA | | |
| 08/05/99 - 08/11/99 | | | NO DATA | | |
| 08/11/99 - 08/18/99 | | | NO DATA | | |
| 08/18/99 - 08/25/99 | | | NO DATA | | |
| 08/25/99 - 09/01/99 | 169 | 4.2 | 5.5 | 4.9 | 100 |
| 09/01/99 - 09/08/99 | 168 | 4.8 | 5.6 | 5.2 | 100 |
| 09/08/99 - 09/15/99 | 170 | 4.3 | 5.5 | 5.1 | 100 |
| 09/15/99 - 09/22/99 | 164 | 3.9 | 5.3 | 4.8 | 99 |
| 09/22/99 - 09/30/99 | 192 | 1.7 | 6.1 | 5.0 | 92 |
| 09/30/99 - 10/07/99 | 167 | 3.0 | 6.6 | 4.8 | 74 |
| 10/07/99 - 10/13/99 | 144 | 4.6 | 5.9 | 5.3 | 100 |
| 10/13/99 - 10/20/99 | 168 | 5.0 | 5.8 | 5.4 | 100 |
| 10/20/99 - 10/27/99 | 166 | 5.2 | 6.0 | 5.6 | 100 |
| 10/27/99 - 11/03/99 | 169 | 5.5 | 6.7 | 5.9 | 100 |
| 11/03/99 - 11/10/99 | 168 | 5.4 | 6.3 | 5.9 | 100 |
| 11/10/99 - 11/17/99 | 167 | 5.2 | 7.5 | 6.1 | 100 |
| 11/17/99 - 11/24/99 | | | NO DATA | | |
| 11/24/99 - 12/01/99 | 168 | 5.5 | 6.8 | 6.2 | 100 |
| 12/01/99 - 12/08/99 | 169 | 5.6 | 7.0 | 6.4 | 100 |
| 12/08/99 - 12/15/99 | 167 | 6.3 | 8.0 | 7.0 | 100 |
| 12/15/99 - 12/22/99 | 168 | 6.4 | 7.6 | 6.8 | 100 |
| 12/22/99 - 12/29/99 | 167 | 7.0 | 8.4 | 7.6 | 100 |
| 12/29/99 - 01/06/00 | 192 | 6.7 | 8.2 | 7.3 | 100 |
| 01/06/00 - 01/12/00 | 144 | 6.5 | 7.9 | 7.1 | 100 |
| 01/12/00 - 01/19/00 | 168 | 6.6 | 7.7 | 7.1 | 100 |
| 01/19/00 - 01/26/00 | 166 | 6.2 | 8.6 | 7.6 | 100 |
| 01/26/00 - 02/03/00 | 192 | 7.2 | 8.7 | 8.0 | 100 |
| 02/03/00 - 02/09/00 | 144 | 6.6 | 8.5 | 7.4 | 100 |
| 02/09/00 - 02/16/00 | 167 | 6.0 | 7.2 | 6.6 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-17 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT RIVER MILE 302.6 ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 02/16/00 - 02/23/00 | 169 | 6.2 | 7.9 | 6.9 | 100 |
| 02/23/00 - 03/01/00 | 167 | 5.9 | 7.5 | 6.6 | 100 |
| 03/01/00 - 03/08/00 | 169 | 4.9 | 6.7 | 5.8 | 100 |
| 03/08/00 - 03/15/00 | 167 | 4.4 | 5.6 | 5.0 | 100 |
| 03/15/00 - 03/22/00 | 168 | 4.2 | 6.1 | 5.4 | 100 |
| 03/22/00 - 03/29/00 | 168 | 4.5 | 6.1 | 5.2 | 100 |
| 03/29/00 - 04/05/00 | 167 | 3.9 | 5.9 | 4.9 | 98 |
| 04/05/00 - 04/12/00 | 167 | 4.5 | 6.8 | 5.9 | 100 |
| 04/12/00 - 04/19/00 | 168 | 4.8 | 6.9 | 6.1 | 100 |
| 04/19/00 - 04/26/00 | | | NO DATA | | |
| 04/26/00 - 05/03/00 | 168 | 4.1 | 6.8 | 5.5 | 100 |
| 05/03/00 - 05/10/00 | 169 | 2.8 | 5.9 | 5.1 | 92 |
| 05/10/00 - 05/17/00 | | | NO DATA | | |
| 05/17/00 - 05/24/00 | 169 | 4.2 | 6.1 | 5.3 | 100 |
| 05/24/00 - 05/31/00 | 167 | 3.8 | 5.5 | 4.4 | 93 |
| 05/31/00 - 06/07/00 | 169 | 2.8 | 5.7 | 4.9 | 99 |
| 06/07/00 - 06/14/00 | 168 | 4.3 | 5.7 | 5.0 | 100 |
| 06/14/00 - 06/21/00 | 167 | 2.9 | 5.5 | 4.0 | 56 |
| 06/21/00 - 06/28/00 | 168 | 3.7 | 5.1 | 4.5 | 93 |
| 06/28/00 - 07/05/00 | 169 | 3.3 | 5.8 | 4.6 | 85 |
| 07/05/00 - 07/13/00 | 191 | 2.0 | 5.3 | 4.5 | 88 |
| 07/13/00 - 07/19/00 | 144 | 3.2 | 5.1 | 4.3 | 77 |
| 07/19/00 - 07/26/00 | 168 | 3.8 | 5.6 | 4.9 | 96 |
| 07/26/00 - 08/02/00 | 169 | 3.3 | 5.2 | 4.2 | 69 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-18

WEEKLY DO SUMMARY STATISTICS
 AT ROMEOVILLE ROAD ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/06/98 - 08/13/98 | 166 | 1.3 | 3.2 | 2.3 | 0 |
| 08/13/98 - 08/20/98 | 169 | 3.4 | 5.2 | 4.5 | 95 |
| 08/20/98 - 08/27/98 | 167 | 1.8 | 4.5 | 3.6 | 40 |
| 08/27/98 - 09/03/98 | 168 | 3.4 | 4.3 | 3.8 | 29 |
| 09/03/98 - 09/10/98 | 168 | 3.4 | 4.8 | 4.2 | 70 |
| 09/10/98 - 09/17/98 | 167 | 3.2 | 4.6 | 4.2 | 81 |
| 09/17/98 - 09/23/98 | 144 | 3.7 | 4.5 | 4.1 | 60 |
| 09/23/98 - 10/01/98 | 192 | 3.9 | 5.1 | 4.5 | 95 |
| 10/01/98 - 10/08/98 | 168 | 4.3 | 5.4 | 4.9 | 100 |
| 10/08/98 - 10/15/98 | 168 | 4.7 | 5.6 | 5.0 | 100 |
| 10/15/98 - 10/22/98 | 164 | 3.2 | 5.6 | 4.6 | 76 |
| 10/22/98 - 10/29/98 | 169 | 4.4 | 6.0 | 5.4 | 100 |
| 10/29/98 - 11/05/98 | 168 | 4.6 | 6.3 | 5.5 | 100 |
| 11/05/98 - 11/13/98 | | | NO DATA | | |
| 11/13/98 - 11/18/98 | 121 | 5.2 | 6.4 | 5.9 | 100 |
| 11/18/98 - 11/24/98 | 141 | 5.4 | 6.7 | 6.0 | 100 |
| 11/24/98 - 12/03/98 | 217 | 6.2 | 7.3 | 6.9 | 100 |
| 12/03/98 - 12/10/98 | 170 | 4.7 | 6.7 | 5.7 | 100 |
| 12/10/98 - 12/16/98 | 143 | 4.5 | 6.5 | 5.9 | 100 |
| 12/16/98 - 12/22/98 | 136 | 6.0 | 6.9 | 6.5 | 100 |
| 12/22/98 - 12/30/98 | 192 | 6.3 | 8.4 | 7.6 | 100 |
| 12/30/98 - 01/07/99 | 191 | 7.6 | 9.5 | 8.5 | 100 |
| 01/07/99 - 01/14/99 | 171 | 9.0 | 10.2 | 9.5 | 100 |
| 01/14/99 - 01/21/99 | 167 | 7.8 | 9.3 | 8.5 | 100 |
| 01/21/99 - 01/28/99 | 168 | 6.5 | 8.7 | 7.9 | 100 |
| 01/28/99 - 02/03/99 | 147 | 7.3 | 8.3 | 7.7 | 100 |
| 02/03/99 - 02/10/99 | 165 | 6.8 | 8.1 | 7.4 | 100 |
| 02/10/99 - 02/18/99 | 193 | 6.8 | 7.7 | 7.2 | 100 |
| 02/18/99 - 02/25/99 | 165 | 6.1 | 7.4 | 6.8 | 100 |
| 02/25/99 - 03/04/99 | 169 | 6.2 | 7.3 | 6.8 | 100 |
| 03/04/99 - 03/12/99 | 191 | 6.7 | 8.5 | 7.5 | 100 |
| 03/12/99 - 03/18/99 | 145 | 7.8 | 8.9 | 8.4 | 100 |
| 03/18/99 - 03/24/99 | 147 | 7.5 | 8.6 | 7.9 | 100 |
| 03/24/99 - 04/01/99 | 188 | 6.7 | 8.1 | 7.3 | 100 |
| 04/01/99 - 04/08/99 | 168 | 4.7 | 7.5 | 5.7 | 100 |
| 04/08/99 - 04/15/99 | 166 | 3.6 | 6.8 | 5.5 | 93 |
| 04/15/99 - 04/22/99 | 168 | 4.2 | 7.1 | 6.2 | 100 |
| 04/22/99 - 04/29/99 | 168 | 4.7 | 7.4 | 6.1 | 100 |
| 04/29/99 - 05/05/99 | 145 | 4.5 | 6.5 | 5.9 | 100 |
| 05/05/99 - 05/13/99 | 191 | 4.7 | 6.8 | 5.4 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-18 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT ROMEOVILLE ROAD ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/13/99 - 05/19/99 | 145 | 4.0 | 5.5 | 4.7 | 100 |
| 05/19/99 - 05/27/99 | 192 | 4.2 | 5.3 | 4.8 | 100 |
| 05/27/99 - 06/03/99 | 165 | 2.8 | 5.4 | 4.5 | 88 |
| 06/03/99 - 06/10/99 | 168 | 1.8 | 3.9 | 3.2 | 0 |
| 06/10/99 - 06/17/99 | 169 | 1.0 | 4.0 | 2.9 | 1 |
| 06/17/99 - 06/24/99 | 168 | 3.9 | 4.6 | 4.2 | 95 |
| 06/24/99 - 07/01/99 | 168 | 2.7 | 4.4 | 3.3 | 7 |
| 07/01/99 - 07/08/99 | 169 | 2.4 | 3.7 | 3.2 | 0 |
| 07/08/99 - 07/15/99 | 167 | 2.7 | 4.0 | 3.4 | 0 |
| 07/15/99 - 07/22/99 | 168 | 3.0 | 4.4 | 3.8 | 22 |
| 07/22/99 - 07/29/99 | 166 | 2.2 | 4.2 | 3.0 | 4 |
| 07/29/99 - 08/04/99 | 143 | 2.9 | 4.4 | 3.7 | 10 |
| 08/04/99 - 08/12/99 | 193 | 2.6 | 4.5 | 3.7 | 30 |
| 08/12/99 - 08/18/99 | 145 | 3.8 | 4.8 | 4.3 | 90 |
| 08/18/99 - 08/24/99 | 144 | 2.9 | 4.8 | 4.1 | 64 |
| 08/24/99 - 09/02/99 | 216 | 2.7 | 4.1 | 3.5 | 0 |
| 09/02/99 - 09/09/99 | 169 | 1.5 | 5.6 | 5.0 | 100 |
| 09/09/99 - 09/15/99 | 146 | 1.0 | 5.1 | 4.7 | 99 |
| 09/15/99 - 09/23/99 | 189 | 3.8 | 5.0 | 4.2 | 78 |
| 09/23/99 - 09/29/99 | 143 | 4.1 | 5.4 | 4.7 | 100 |
| 09/29/99 - 10/06/99 | 167 | 1.5 | 6.1 | 4.0 | 52 |
| 10/06/99 - 10/14/99 | 192 | 3.8 | 6.1 | 4.8 | 97 |
| 10/14/99 - 10/21/99 | 169 | 4.7 | 5.4 | 5.0 | 100 |
| 10/21/99 - 10/28/99 | 168 | 5.0 | 5.8 | 5.4 | 100 |
| 10/28/99 - 11/03/99 | 147 | 4.8 | 5.9 | 5.3 | 100 |
| 11/03/99 - 11/10/99 | 162 | 5.3 | 6.5 | 5.8 | 100 |
| 11/10/99 - 11/18/99 | 194 | 5.3 | 6.7 | 6.0 | 100 |
| 11/18/99 - 11/24/99 | 148 | 5.7 | 6.5 | 6.1 | 100 |
| 11/24/99 - 12/02/99 | 190 | 4.9 | 6.6 | 5.9 | 100 |
| 12/02/99 - 12/09/99 | 166 | 5.6 | 7.2 | 6.5 | 100 |
| 12/09/99 - 12/16/99 | 170 | 5.9 | 7.1 | 6.4 | 100 |
| 12/16/99 - 12/22/99 | 143 | 6.6 | 7.5 | 7.0 | 100 |
| 12/22/99 - 12/29/99 | | | NO DATA | | |
| 12/29/99 - 01/06/00 | 190 | 7.1 | 8.5 | 7.8 | 100 |
| 01/06/00 - 01/13/00 | 169 | 6.6 | 8.2 | 7.3 | 100 |
| 01/13/00 - 01/20/00 | 168 | 6.7 | 7.5 | 7.1 | 100 |
| 01/20/00 - 01/27/00 | 167 | 6.4 | 8.2 | 7.5 | 100 |
| 01/27/00 - 02/03/00 | 169 | 7.3 | 8.5 | 7.9 | 100 |
| 02/03/00 - 02/10/00 | 167 | 6.4 | 8.0 | 7.2 | 100 |
| 02/10/00 - 02/17/00 | 167 | 6.0 | 7.0 | 6.5 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-18 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT ROMEOVILLE ROAD ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|-----|------|--|
| | | min | max | mean | |
| 02/17/00 - 02/24/00 | 169 | 6.2 | 7.4 | 6.7 | 100 |
| 02/24/00 - 03/02/00 | 168 | 5.6 | 7.2 | 6.3 | 100 |
| 03/02/00 - 03/09/00 | 168 | 4.5 | 6.1 | 5.3 | 100 |
| 03/09/00 - 03/16/00 | 168 | 4.3 | 5.8 | 4.9 | 100 |
| 03/16/00 - 03/23/00 | 167 | 4.0 | 6.1 | 5.0 | 99 |
| 03/23/00 - 03/30/00 | 170 | 4.4 | 5.8 | 5.2 | 100 |
| 03/30/00 - 04/06/00 | 166 | 4.0 | 5.3 | 4.6 | 99 |
| 04/06/00 - 04/13/00 | 165 | 4.8 | 6.3 | 5.5 | 100 |
| 04/13/00 - 04/20/00 | 168 | 4.2 | 6.6 | 5.7 | 100 |
| 04/20/00 - 04/27/00 | 168 | 3.1 | 6.7 | 5.3 | 92 |
| 04/27/00 - 05/04/00 | 168 | 5.0 | 6.4 | 5.6 | 100 |
| 05/04/00 - 05/11/00 | 169 | 1.5 | 4.9 | 4.0 | 76 |
| 05/11/00 - 05/18/00 | 165 | 1.2 | 5.1 | 3.8 | 39 |
| 05/18/00 - 05/25/00 | 170 | 3.5 | 5.0 | 4.4 | 78 |
| 05/25/00 - 06/01/00 | 167 | 3.6 | 5.4 | 4.2 | 59 |
| 06/01/00 - 06/08/00 | 168 | 3.5 | 5.3 | 4.4 | 73 |
| 06/08/00 - 06/15/00 | 167 | 3.8 | 5.1 | 4.6 | 98 |
| 06/15/00 - 06/22/00 | 168 | 3.1 | 4.7 | 3.9 | 39 |
| 06/22/00 - 06/29/00 | 169 | 3.2 | 4.5 | 3.9 | 28 |
| 06/29/00 - 07/06/00 | 165 | 1.9 | 4.8 | 3.5 | 13 |
| 07/06/00 - 07/13/00 | 170 | 3.0 | 4.5 | 3.9 | 43 |
| 07/13/00 - 07/20/00 | 167 | 2.4 | 3.7 | 3.1 | 0 |
| 07/20/00 - 07/27/00 | 170 | 3.7 | 5.0 | 4.4 | 88 |
| 07/27/00 - 08/03/00 | 165 | 2.9 | 4.1 | 3.7 | 8 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-19

WEEKLY DO SUMMARY STATISTICS
 AT LOCKPORT POWERHOUSE ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/06/98 - 08/13/98 | 168 | 1.2 | 3.0 | 2.2 | 0 |
| 08/13/98 - 08/20/98 | 168 | 3.0 | 4.4 | 3.8 | 24 |
| 08/20/98 - 08/27/98 | 166 | 2.1 | 4.4 | 3.5 | 8 |
| 08/27/98 - 09/03/98 | 170 | 3.1 | 4.3 | 3.7 | 7 |
| 09/03/98 - 09/10/98 | 168 | 3.4 | 4.9 | 4.0 | 51 |
| 09/10/98 - 09/17/98 | 167 | 2.8 | 4.2 | 3.8 | 13 |
| 09/17/98 - 09/23/98 | 144 | 2.8 | 4.2 | 3.6 | 10 |
| 09/23/98 - 10/01/98 | 193 | 4.0 | 5.2 | 4.6 | 100 |
| 10/01/98 - 10/08/98 | 166 | 4.3 | 5.6 | 5.0 | 100 |
| 10/08/98 - 10/15/98 | 170 | 4.3 | 5.2 | 4.7 | 100 |
| 10/15/98 - 10/22/98 | 167 | 3.5 | 5.9 | 4.8 | 79 |
| 10/22/98 - 10/29/98 | 169 | 3.5 | 5.6 | 4.9 | 93 |
| 10/29/98 - 11/05/98 | 167 | 2.9 | 5.7 | 4.6 | 90 |
| 11/05/98 - 11/13/98 | 191 | 4.6 | 7.0 | 5.8 | 100 |
| 11/13/98 - 11/18/98 | 122 | 5.0 | 6.7 | 5.7 | 100 |
| 11/18/98 - 11/24/98 | 142 | 4.6 | 6.6 | 5.9 | 100 |
| 11/24/98 - 12/03/98 | 216 | 4.8 | 6.5 | 5.9 | 100 |
| 12/03/98 - 12/10/98 | 168 | 4.5 | 6.9 | 5.8 | 100 |
| 12/10/98 - 12/16/98 | 144 | 4.3 | 6.1 | 5.5 | 100 |
| 12/16/98 - 12/22/98 | 138 | 5.6 | 6.7 | 6.1 | 100 |
| 12/22/98 - 12/30/98 | 192 | 6.3 | 8.3 | 7.4 | 100 |
| 12/30/98 - 01/07/99 | 192 | 7.5 | 9.4 | 8.2 | 100 |
| 01/07/99 - 01/14/99 | 171 | 8.6 | 9.6 | 9.1 | 100 |
| 01/14/99 - 01/21/99 | 167 | 7.3 | 9.3 | 8.6 | 100 |
| 01/21/99 - 01/28/99 | 168 | 6.1 | 8.4 | 7.6 | 100 |
| 01/28/99 - 02/03/99 | 148 | 7.3 | 8.6 | 7.8 | 100 |
| 02/03/99 - 02/10/99 | 165 | 6.3 | 8.3 | 7.2 | 100 |
| 02/10/99 - 02/18/99 | 193 | 6.5 | 7.3 | 6.9 | 100 |
| 02/18/99 - 02/25/99 | 164 | 5.6 | 7.0 | 6.4 | 100 |
| 02/25/99 - 03/04/99 | 168 | 5.9 | 6.9 | 6.4 | 100 |
| 03/04/99 - 03/12/99 | 191 | 7.3 | 9.0 | 8.0 | 100 |
| 03/12/99 - 03/18/99 | 144 | 7.5 | 8.6 | 8.1 | 100 |
| 03/18/99 - 03/24/99 | 147 | 6.9 | 8.6 | 7.7 | 100 |
| 03/24/99 - 04/01/99 | 185 | 6.4 | 10.0 | 8.1 | 100 |
| 04/01/99 - 04/08/99 | | | NO DATA | | |
| 04/08/99 - 04/15/99 | 167 | 3.3 | 6.6 | 5.1 | 89 |
| 04/15/99 - 04/22/99 | 168 | 4.0 | 6.8 | 5.8 | 99 |
| 04/22/99 - 04/29/99 | 168 | 4.5 | 7.2 | 5.9 | 100 |
| 04/29/99 - 05/05/99 | 146 | 4.2 | 6.3 | 5.7 | 100 |
| 05/05/99 - 05/13/99 | 191 | 4.0 | 6.2 | 4.8 | 99 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-19 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT LOCKPORT POWERHOUSE ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 05/13/99 - 05/19/99 | 146 | 4.3 | 5.3 | 4.7 | 100 |
| 05/19/99 - 05/27/99 | 190 | 3.6 | 4.9 | 4.4 | 87 |
| 05/27/99 - 06/03/99 | 167 | 2.8 | 4.8 | 4.1 | 68 |
| 06/03/99 - 06/10/99 | 167 | 1.8 | 4.1 | 3.2 | 3 |
| 06/10/99 - 06/17/99 | 169 | 1.3 | 9.0 | 2.9 | 2 |
| 06/17/99 - 06/24/99 | 168 | 3.6 | 4.6 | 4.2 | 80 |
| 06/24/99 - 07/01/99 | 167 | 1.3 | 4.1 | 2.7 | 2 |
| 07/01/99 - 07/08/99 | 170 | 2.1 | 4.3 | 2.9 | 1 |
| 07/08/99 - 07/15/99 | 167 | 3.0 | 4.4 | 3.8 | 22 |
| 07/15/99 - 07/22/99 | 168 | 3.0 | 4.7 | 3.8 | 33 |
| 07/22/99 - 07/29/99 | | | NO DATA | | |
| 07/29/99 - 08/04/99 | 144 | 2.8 | 4.2 | 3.5 | 7 |
| 08/04/99 - 08/12/99 | | | NO DATA | | |
| 08/12/99 - 08/18/99 | 145 | 3.5 | 4.6 | 3.9 | 26 |
| 08/18/99 - 08/24/99 | 143 | 3.0 | 4.5 | 3.9 | 39 |
| 08/24/99 - 09/02/99 | 217 | 2.8 | 4.1 | 3.7 | 12 |
| 09/02/99 - 09/09/99 | 167 | 3.5 | 5.0 | 4.4 | 89 |
| 09/09/99 - 09/15/99 | 144 | 4.0 | 5.0 | 4.7 | 100 |
| 09/15/99 - 09/23/99 | 190 | 3.9 | 5.0 | 4.3 | 95 |
| 09/23/99 - 09/29/99 | 143 | 3.9 | 5.1 | 4.7 | 97 |
| 09/29/99 - 10/06/99 | 168 | 1.6 | 5.3 | 3.8 | 37 |
| 10/06/99 - 10/14/99 | 192 | 3.8 | 6.0 | 4.8 | 97 |
| 10/14/99 - 10/21/99 | 168 | 4.3 | 5.3 | 4.8 | 100 |
| 10/21/99 - 10/28/99 | | | NO DATA | | |
| 10/28/99 - 11/03/99 | 146 | 4.4 | 6.0 | 5.4 | 100 |
| 11/03/99 - 11/10/99 | 161 | 4.6 | 5.8 | 5.2 | 100 |
| 11/10/99 - 11/18/99 | 195 | 5.0 | 6.4 | 5.8 | 100 |
| 11/18/99 - 11/24/99 | 147 | 5.3 | 6.2 | 5.9 | 100 |
| 11/24/99 - 12/02/99 | 190 | 4.5 | 6.5 | 5.6 | 100 |
| 12/02/99 - 12/09/99 | 167 | 5.2 | 6.9 | 6.2 | 100 |
| 12/09/99 - 12/16/99 | 168 | 5.7 | 6.7 | 6.1 | 100 |
| 12/16/99 - 12/22/99 | 144 | 6.5 | 7.2 | 6.9 | 100 |
| 12/22/99 - 12/29/99 | 170 | 6.9 | 7.9 | 7.4 | 100 |
| 12/29/99 - 01/06/00 | 190 | 7.1 | 8.1 | 7.6 | 100 |
| 01/06/00 - 01/13/00 | 168 | 6.3 | 8.1 | 7.1 | 100 |
| 01/13/00 - 01/20/00 | 167 | 6.5 | 7.3 | 6.9 | 100 |
| 01/20/00 - 01/27/00 | | | NO DATA | | |
| 01/27/00 - 02/03/00 | 169 | 7.2 | 8.7 | 7.8 | 100 |
| 02/03/00 - 02/10/00 | 166 | 5.5 | 7.9 | 7.1 | 100 |
| 02/10/00 - 02/17/00 | 168 | 5.7 | 6.8 | 6.2 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-19 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT LOCKPORT POWERHOUSE ON THE CHICAGO SANITARY & SHIP CANAL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 02/17/00 - 02/24/00 | 168 | 6.1 | 7.3 | 6.5 | 100 |
| 02/24/00 - 03/02/00 | 165 | 4.9 | 6.9 | 5.9 | 100 |
| 03/02/00 - 03/09/00 | 167 | 3.1 | 5.9 | 4.7 | 74 |
| 03/09/00 - 03/16/00 | 167 | 3.7 | 5.1 | 4.3 | 85 |
| 03/16/00 - 03/23/00 | 166 | 4.0 | 5.5 | 4.7 | 100 |
| 03/23/00 - 03/30/00 | 169 | 3.8 | 4.9 | 4.5 | 93 |
| 03/30/00 - 04/06/00 | 166 | 3.6 | 5.3 | 4.6 | 95 |
| 04/06/00 - 04/13/00 | 167 | 4.1 | 5.8 | 5.1 | 100 |
| 04/13/00 - 04/20/00 | 169 | 4.5 | 6.4 | 5.8 | 100 |
| 04/20/00 - 04/27/00 | 167 | 2.8 | 6.3 | 4.8 | 72 |
| 04/27/00 - 05/04/00 | 168 | 4.0 | 6.1 | 5.1 | 100 |
| 05/04/00 - 05/11/00 | 169 | 1.9 | 5.3 | 4.1 | 72 |
| 05/11/00 - 05/18/00 | 167 | 2.0 | 5.0 | 4.0 | 57 |
| 05/18/00 - 05/25/00 | 168 | 3.3 | 4.9 | 4.1 | 63 |
| 05/25/00 - 06/01/00 | 168 | 3.5 | 4.8 | 3.9 | 23 |
| 06/01/00 - 06/08/00 | 168 | 3.3 | 5.6 | 4.3 | 73 |
| 06/08/00 - 06/15/00 | 168 | 3.6 | 5.2 | 4.5 | 95 |
| 06/15/00 - 06/22/00 | 169 | 2.9 | 4.5 | 3.6 | 27 |
| 06/22/00 - 06/29/00 | | | NO DATA | | |
| 06/29/00 - 07/06/00 | 167 | 1.4 | 4.6 | 3.3 | 13 |
| 07/06/00 - 07/13/00 | 169 | 2.4 | 4.3 | 3.5 | 12 |
| 07/13/00 - 07/20/00 | 167 | 2.4 | 3.5 | 2.9 | 0 |
| 07/20/00 - 07/27/00 | 169 | 3.0 | 5.4 | 4.4 | 76 |
| 07/27/00 - 08/03/00 | 165 | 2.8 | 4.9 | 3.8 | 22 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-20

WEEKLY DO SUMMARY STATISTICS
 AT ROUTE 83 ON THE CALUMET-SAG CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|---------------------|-------------------------|---------|------|----------------------------------|
| | | min | max | mean | |
| 08/05/98 - 08/12/98 | 168 | 1.1 | 4.9 | 3.4 | 77 |
| 08/12/98 - 08/19/98 | 168 | 3.4 | 4.9 | 4.1 | 100 |
| 08/19/98 - 08/26/98 | 168 | 3.5 | 5.3 | 4.3 | 100 |
| 08/26/98 - 09/02/98 | 168 | 2.1 | 4.3 | 3.5 | 82 |
| 09/02/98 - 09/09/98 | 167 | 2.1 | 5.1 | 4.0 | 87 |
| 09/09/98 - 09/16/98 | | | NO DATA | | |
| 09/16/98 - 09/22/98 | 144 | 2.7 | 5.0 | 4.2 | 92 |
| 09/22/98 - 09/30/98 | 192 | 3.0 | 5.6 | 4.5 | 100 |
| 09/30/98 - 10/07/98 | 168 | 4.1 | 6.1 | 5.4 | 100 |
| 10/07/98 - 10/14/98 | 168 | 4.7 | 5.9 | 5.3 | 100 |
| 10/14/98 - 10/21/98 | 168 | 4.8 | 6.4 | 5.7 | 100 |
| 10/21/98 - 10/28/98 | 168 | 5.4 | 6.7 | 6.0 | 100 |
| 10/28/98 - 11/04/98 | 168 | 4.2 | 6.0 | 5.0 | 100 |
| 11/04/98 - 11/12/98 | 193 | 4.9 | 7.8 | 6.4 | 100 |
| 11/12/98 - 11/17/98 | 120 | 6.0 | 7.8 | 6.8 | 100 |
| 11/17/98 - 11/24/98 | 166 | 5.7 | 6.9 | 6.3 | 100 |
| 11/24/98 - 12/02/98 | 192 | 6.2 | 7.4 | 6.7 | 100 |
| 12/02/98 - 12/09/98 | 165 | 4.9 | 6.7 | 5.7 | 100 |
| 12/09/98 - 12/16/98 | 172 | 5.0 | 7.0 | 6.1 | 100 |
| 12/16/98 - 12/22/98 | 139 | 6.6 | 8.4 | 7.3 | 100 |
| 12/22/98 - 12/29/98 | 168 | 7.1 | 8.1 | 7.8 | 100 |
| 12/29/98 - 01/06/99 | 196 | 6.4 | 9.3 | 8.5 | 100 |
| 01/06/99 - 01/13/99 | 168 | 9.7 | 10.6 | 10.1 | 100 |
| 01/13/99 - 01/20/99 | 165 | 9.0 | 10.1 | 9.4 | 100 |
| 01/20/99 - 01/27/99 | 166 | 8.9 | 11.4 | 10.1 | 100 |
| 01/27/99 - 02/03/99 | 173 | 7.9 | 10.0 | 8.8 | 100 |
| 02/03/99 - 02/10/99 | 162 | 6.7 | 9.1 | 8.0 | 100 |
| 02/10/99 - 02/17/99 | 168 | 6.9 | 9.2 | 8.2 | 100 |
| 02/17/99 - 02/24/99 | 168 | 6.5 | 8.4 | 7.6 | 100 |
| 02/24/99 - 03/03/99 | | | NO DATA | | |
| 03/03/99 - 03/11/99 | 192 | 7.2 | 9.6 | 8.3 | 100 |
| 03/11/99 - 03/17/99 | 144 | 8.8 | 10.6 | 9.7 | 100 |
| 03/17/99 - 03/24/99 | 171 | 7.8 | 10.4 | 8.9 | 100 |
| 03/24/99 - 03/31/99 | 164 | 6.9 | 10.2 | 8.4 | 100 |
| 03/31/99 - 04/07/99 | 168 | 5.9 | 11.5 | 7.9 | 100 |
| 04/07/99 - 04/14/99 | 167 | 5.5 | 7.3 | 6.5 | 100 |
| 04/14/99 - 04/21/99 | 169 | 6.5 | 7.7 | 7.0 | 100 |
| 04/21/99 - 04/28/99 | 167 | 5.9 | 7.9 | 7.0 | 100 |
| 04/28/99 - 05/06/99 | 193 | 5.5 | 7.3 | 6.3 | 100 |
| 05/06/99 - 05/12/99 | 144 | 4.8 | 6.3 | 5.5 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-20 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT ROUTE 83 ON THE CALUMET-SAG CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|---------|------|--|
| | | min | max | mean | |
| 05/12/99 - 05/19/99 | 167 | 4.1 | 8.0 | 5.5 | 100 |
| 05/19/99 - 05/26/99 | 168 | 4.2 | 5.9 | 4.9 | 100 |
| 05/26/99 - 06/02/99 | 169 | 3.4 | 5.4 | 4.5 | 100 |
| 06/02/99 - 06/09/99 | 168 | 2.9 | 5.2 | 3.7 | 96 |
| 06/09/99 - 06/16/99 | 169 | 2.6 | 4.4 | 3.3 | 73 |
| 06/16/99 - 06/23/99 | 166 | 3.2 | 4.5 | 3.7 | 100 |
| 06/23/99 - 06/30/99 | 173 | 3.2 | 5.3 | 3.9 | 100 |
| 06/30/99 - 07/07/99 | 163 | 3.1 | 4.4 | 3.7 | 100 |
| 07/07/99 - 07/14/99 | 167 | 3.0 | 5.0 | 3.9 | 99 |
| 07/14/99 - 07/21/99 | 168 | 3.8 | 6.4 | 4.8 | 100 |
| 07/21/99 - 07/28/99 | 170 | 2.5 | 6.6 | 4.2 | 96 |
| 07/28/99 - 08/05/99 | 189 | 2.6 | 7.8 | 4.5 | 97 |
| 08/05/99 - 08/11/99 | 143 | 3.0 | 5.7 | 3.8 | 99 |
| 08/11/99 - 08/18/99 | 166 | 3.9 | 5.1 | 4.3 | 100 |
| 08/18/99 - 08/25/99 | 171 | 3.5 | 5.5 | 4.4 | 100 |
| 08/25/99 - 09/01/99 | 170 | 3.5 | 5.9 | 4.5 | 100 |
| 09/01/99 - 09/08/99 | 167 | 4.5 | 7.2 | 6.1 | 100 |
| 09/08/99 - 09/15/99 | 171 | 5.2 | 6.5 | 5.8 | 100 |
| 09/15/99 - 09/22/99 | 163 | 4.7 | 5.8 | 5.3 | 100 |
| 09/22/99 - 09/30/99 | 192 | 4.1 | 6.4 | 5.5 | 100 |
| 09/30/99 - 10/07/99 | 168 | 5.1 | 6.2 | 5.8 | 100 |
| 10/07/99 - 10/13/99 | 144 | 4.8 | 6.3 | 5.6 | 100 |
| 10/13/99 - 10/20/99 | 168 | 5.2 | 6.3 | 5.8 | 100 |
| 10/20/99 - 10/27/99 | 167 | 5.3 | 7.5 | 6.2 | 100 |
| 10/27/99 - 11/03/99 | 167 | 5.8 | 7.9 | 6.7 | 100 |
| 11/03/99 - 11/10/99 | | | NO DATA | | |
| 11/10/99 - 11/17/99 | 167 | 4.8 | 6.8 | 5.7 | 100 |
| 11/17/99 - 11/24/99 | 167 | 4.9 | 6.5 | 5.5 | 100 |
| 11/24/99 - 12/01/99 | 167 | 5.1 | 7.0 | 6.1 | 100 |
| 12/01/99 - 12/08/99 | 168 | 5.0 | 7.3 | 6.2 | 100 |
| 12/08/99 - 12/15/99 | 168 | 5.0 | 7.0 | 6.0 | 100 |
| 12/15/99 - 12/22/99 | 167 | 6.7 | 8.6 | 7.3 | 100 |
| 12/22/99 - 12/29/99 | 171 | 7.5 | 9.0 | 8.1 | 100 |
| 12/29/99 - 01/06/00 | 188 | 7.4 | 9.5 | 8.8 | 100 |
| 01/06/00 - 01/12/00 | 143 | 7.1 | 9.0 | 7.9 | 100 |
| 01/12/00 - 01/19/00 | 168 | 7.1 | 8.6 | 8.0 | 100 |
| 01/19/00 - 01/26/00 | 158 | 7.7 | 9.0 | 8.6 | 100 |
| 01/26/00 - 02/03/00 | 202 | 7.8 | 9.2 | 8.7 | 100 |
| 02/03/00 - 02/09/00 | 144 | 7.3 | 9.0 | 8.4 | 100 |
| 02/09/00 - 02/16/00 | 168 | 6.7 | 8.7 | 7.9 | 100 |

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE AI-20 (Continued)

WEEKLY DO SUMMARY STATISTICS
 AT ROUTE 83 ON THE CALUMET-SAG CHANNEL
 DURING AUGUST 1998 THROUGH JULY 2000

| Monitoring Dates | Number of DO Values | DO Concentration (mg/L) | | | Percent DO Values Above Standard |
|---------------------|------------------------|-------------------------|-----|------|--|
| | | min | max | mean | |
| 02/16/00 - 02/23/00 | 167 | 7.0 | 8.5 | 7.8 | 100 |
| 02/23/00 - 03/01/00 | 168 | 6.2 | 8.7 | 7.1 | 100 |
| 03/01/00 - 03/08/00 | 167 | 5.1 | 7.3 | 6.7 | 100 |
| 03/08/00 - 03/15/00 | 168 | 5.5 | 6.8 | 6.3 | 100 |
| 03/15/00 - 03/22/00 | 167 | 5.2 | 7.6 | 6.7 | 100 |
| 03/22/00 - 03/29/00 | 167 | 5.2 | 7.4 | 6.6 | 100 |
| 03/29/00 - 04/05/00 | 168 | 5.0 | 7.0 | 6.4 | 100 |
| 04/05/00 - 04/12/00 | 167 | 6.4 | 8.2 | 7.4 | 100 |
| 04/12/00 - 04/19/00 | 168 | 5.3 | 8.1 | 7.1 | 100 |
| 04/19/00 - 04/26/00 | 168 | 5.4 | 7.5 | 6.4 | 100 |
| 04/26/00 - 05/03/00 | 168 | 5.1 | 6.7 | 6.0 | 100 |
| 05/03/00 - 05/10/00 | 168 | 4.0 | 6.6 | 5.3 | 100 |
| 05/10/00 - 05/17/00 | 168 | 3.0 | 5.1 | 4.3 | 100 |
| 05/17/00 - 05/24/00 | 169 | 4.4 | 5.5 | 5.0 | 100 |
| 05/24/00 - 05/31/00 | 167 | 4.3 | 5.3 | 4.9 | 100 |
| 05/31/00 - 06/07/00 | 169 | 3.5 | 5.8 | 4.9 | 100 |
| 06/07/00 - 06/14/00 | 168 | 3.8 | 5.1 | 4.6 | 100 |
| 06/14/00 - 06/21/00 | 167 | 2.9 | 4.9 | 4.0 | 99 |
| 06/21/00 - 06/28/00 | 169 | 3.5 | 5.2 | 4.1 | 100 |
| 06/28/00 - 07/05/00 | 168 | 3.6 | 5.8 | 4.9 | 100 |
| 07/05/00 - 07/13/00 | 192 | 3.2 | 5.2 | 4.3 | 100 |
| 07/13/00 - 07/19/00 | 143 | 3.4 | 4.7 | 4.0 | 100 |
| 07/19/00 - 07/26/00 | 168 | 3.8 | 5.5 | 4.5 | 100 |
| 07/26/00 - 08/02/00 | 168 | 3.1 | 6.3 | 4.6 | 100 |