FINAL
Receiving Water Quality Model Development

Albany Pool
Part B Long-Term Control Plan

Prepared for:
Capital District Regional Planning Commission (CDRPC)

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1. Introduction

1.1 Overview

The Albany Pool communities have 92 combined sewer overflows (CSOs) that discharge to the Hudson and Mohawk rivers. To develop a plan for limiting impact from these discharges, the City of Albany, City of Cohoes, City of Rensselaer, City of Troy, City of Watervliet and the Village of Green Island (the *"Pool"* communities) have joined in a comprehensive inter-municipal venture, led by the Capital District Regional Planning Commission (CDRPC), to develop a Phase I CSO Long Term Control Plan (LTCP).

This final report describes receiving water modeling that was performed as part of the LTCP to characterize the impacts of pollutants from the Albany Pool Communities' CSO and wastewater treatment plant (WWTP) discharges on the Hudson River. This work was done in accordance with the protocol provided as Appendix A to the New York State Department of Environmental Conservation (NYSDEC) approved Receiving Water Quality Assessment Report submitted in February 2009. Specifically, the receiving water model was established to evaluate the fate and transport of fecal coliform bacteria down the river. The modeling was designed to address the following questions:

- How far downstream are in-stream concentrations of fecal coliform bacteria likely to exceed water quality standards from the current CSO discharges (Existing Conditions)?
- What is the frequency of exceeding the water quality standard for fecal coliform bacteria during the recreation season (Existing Conditions)?
- Upon evaluation of CSO control alternatives, what are the improvements associated with in-stream levels of fecal coliform bacteria and the reduction in the magnitude and extent (length) of Hudson River impacts (Proposed Conditions)?

The Receiving Water Quality Model (RWQM) uses as input the WWTP and CSO discharges from the sewer system models developed by the Albany Pool project team. The sewer system modeling is described in a separate report, *CSO Model Development and Baseline Conditions*, which was submitted to the CDRPC in January 2010 and subsequently approved by NYSDEC on February 1, 2010.

1.2 Software

The USEPA Stormwater Management Model (SWMM5) was selected for the river hydrodynamics and bacteria analysis.The SWMM5 engine was used to develop the sewer system models for the *Pool* communities and simulate the rainfall-runoff process and the routing of flows through the system. For the receiving water modeling, the routing portion of SWMM5 was used to simulate flow and hydraulics (depth and velocity) for the Hudson River accounting for tidal impacts by imposing measured stages from a gauge at Poughkeepsie, New York. SWMM5 was selected for bacteria simulation because the model

is capable of simulating first-order decay, which was used to account for bacteria die-off in the river.

Consistent with the findings of the Receiving Water Quality Assessment submitted to the CDRPC in February 2009, the receiving water quality model assumes CSO discharges are fully mixed across the river and are one-dimensionally transported down the river. The RWQM also simulates bacterial die-off rates.

1.3 Report Organization

This report describes development, validation, and initial application of the receiving water models:

- Section 2 summarizes data collection efforts and preliminary assessment of pollutant sources and loads.
- Section 3 describes the modeling approach and development.
- Section 4 describes the model validation and includes representative validation graphics.
- Section 5 presents the bacteria model long-term simulations.
- Section 6 summarizes the conclusions based on the modeling effort.

2. Data Collection and Preliminary Assessment

2.1. Data Collection and Literature Review

Available stage and discharge data from United States Geological Service (USGS) monitoring stations within the study area and water quality data from the following sources were collected and reviewed to characterize water quality in the river and support the receiving water modeling effort:

- 2009 Receiving Water and Tributary Sampling Data – Dry and wet sampling at the Mohawk and Hudson River upstream boundaries and tributaries for CBOD
- February 2009 Receiving Water Quality Assessment – Summary report for 2008 dry and wet weather event sampling at Mohawk and Hudson River transects, wastewater treatment plant discharges, tributaries, potential beach sites, and CSO outfalls
- USEPA National Stormwater Quality Database
- 2008 Discharge Monitoring Reports (DMRs) for the Rensselaer County Sewer District (RCSD) WWTP, Albany County Sewer District (ACSD) North and South WWTPs, East Greenbush WWTP, and Waterford WWTP
- Hudson River Environmental Conditions Observing System (HRECOS) - Network of real-time monitoring stations on the Hudson River Estuary
- New York State Department of Environmental Conservation (NYSDEC) correspondence regarding dissolved oxygen levels in the Hudson River
- ACSD Hudson River Survey – Dissolved oxygen measurements from 1982-1996 at various sites along the river
- Green Island Power Authority (GIPA) – Dissolved oxygen measurements from 2008-2009 in the Hudson River at the Federal Dam
- Other reports:
    - *Hudson River Water Quality and Waste Assimilative Capacity Study* (1970)
    - *Empire State Newsprint Project Report* (2001)

2.2. Preliminary Assessment of Pollutant Sources and Loads

To better understand the influence of CSO discharges on bacteria counts and dissolved oxygen, a preliminary assessment was performed to better define the pollutant sources and bacteria model parameters. The preliminary assessment provides an estimate of the annual average load of bacteria and ultimate oxygen demand (UOD) discharged from CSOs, WWTPs, and non-point sources (NPSs). The CSO pollutant loads were developed based on annual CSO statistics from the sewer system modeling and sampling results from the 2008 receiving water quality assessment completed for this study. The WWTP pollutant loads were estimated from the 2008 monthly DMRs submitted for each plant, as well as the results

of the water quality monitoring program. The treatment plants included in the bacteria modeling effort are the RCSD WWTP, the ACSD North and South WWTPs, the East Greenbush WWTP, and the Waterford WWTP. Additional publically-owned WWTPs discharging between the Albany Pool area and Poughkeepsie were considered but not included in the bacteria model, since it was determined that they would have a minimal impact on the bacteria levels in the area of concern compared to the other pollutant sources. Tributary and headwater pollutant loads were estimated based on transformation of available USGS gage flow data and concentrations from literature and the water quality monitoring program.

A summary of the annual loads of bacteria and UOD based on the preliminary assessment is provided in **Table 2-1**, and the percent contribution from each pollutant source is presented on **Figures 2-1** and **2-2**. The most significant bacteria loading during dry weather is from the WWTPs (79%). During wet weather conditions, the most significant bacteria source is CSOs (41%) followed by the WWTPs (30%) and headwaters (20%). The UOD loading from the headwaters is by far the greatest contribution during both dry (93%) and wet (85%) weather conditions. UOD loading from CSOs and WWTPs during wet weather conditions make up only 2% of the total load.

Table 2-1. Preliminary Assessment of Annual Bacteria and Ultimate Oxygen Demand Loads

	Bacteria (10^{12} cfu/yr)		UOD (10^{6} lb/yr)	
	Dry	**Wet**	**Dry**	**Wet**
CSO	-	76,000	-	3
WWTP	31,000	54,700	2	2
Tributaries	4,000	15,800	6	30
Hudson River	2,500	21,500	72	115
Mohawk River	1,700	14,900	50	79
Total	*39,200*	*182,900*	*130*	*229*

Notes:

1) Wastewater treatment plants include the RCSD WWTP, ACSD North and South Plants, East Greenbush WWTP, and Waterford WWTP.

2) Tributaries include Poesten Kill, Wynants Kill, Patroons Creek, Normans Kill, Mill Creek, and other watershed areas contributing load directly to the river upstream of Schodack Island.

Figure 2-1. Preliminary Assessment of Percent Contribution of Annual Bacteria Loads

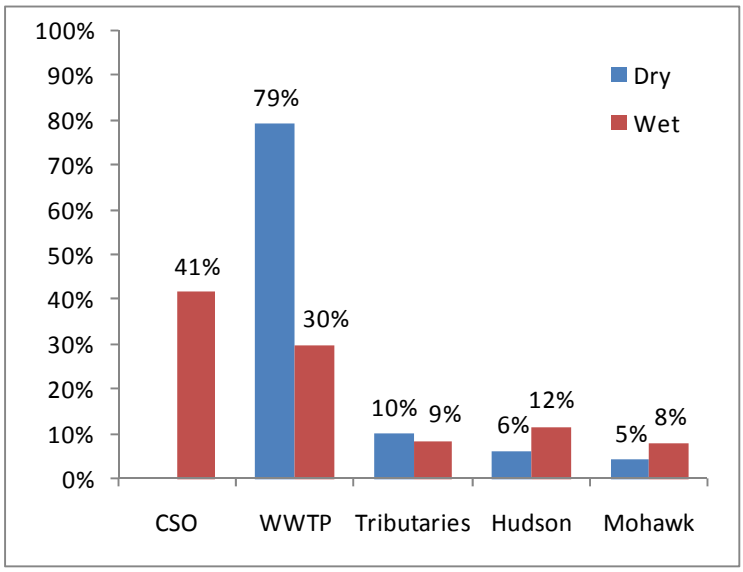
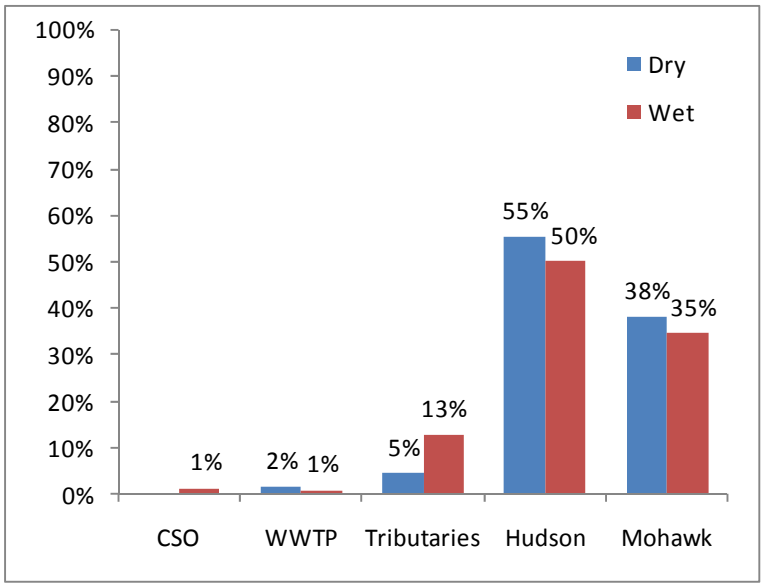


Figure 2-2. Preliminary Assessment of Percent Contribution of Annual UOD Loads



2.3. River Dissolved Oxygen Data Review

Historical dissolved oxygen (DO) data were reviewed to characterize conditions in the river and to assess the impacts of wet weather CSO discharges on river DO concentrations. These data included continuous sampling data collected by the Hudson River Environmental Conditions Observing System (HRECOS) near Schodack Island, and data provided by the Albany County Sewer District. The HRECOS data included summer data for both 2008 and

2009, with no observed DO concentrations below the river water quality standards (5.0 mg/l daily average and 4.0 mg/l daily minimum). The ACSD provided summertime data collected between 1987 and 1996, and included measured rainfall data to identify potential for impacts of wet weather discharges. The ACSD data also show DO concentrations consistently above the DO standard.

Based on these data, the NYSDEC concluded that available data support the conclusion that there are no violations of the water quality standard for dissolved oxygen in the Hudson River as a result of CSOs. Thus, the modeling effort focused upon the evaluation of fecal coliform bacteria.

3. Model Development

3.1. Modeling Approach and Study Area

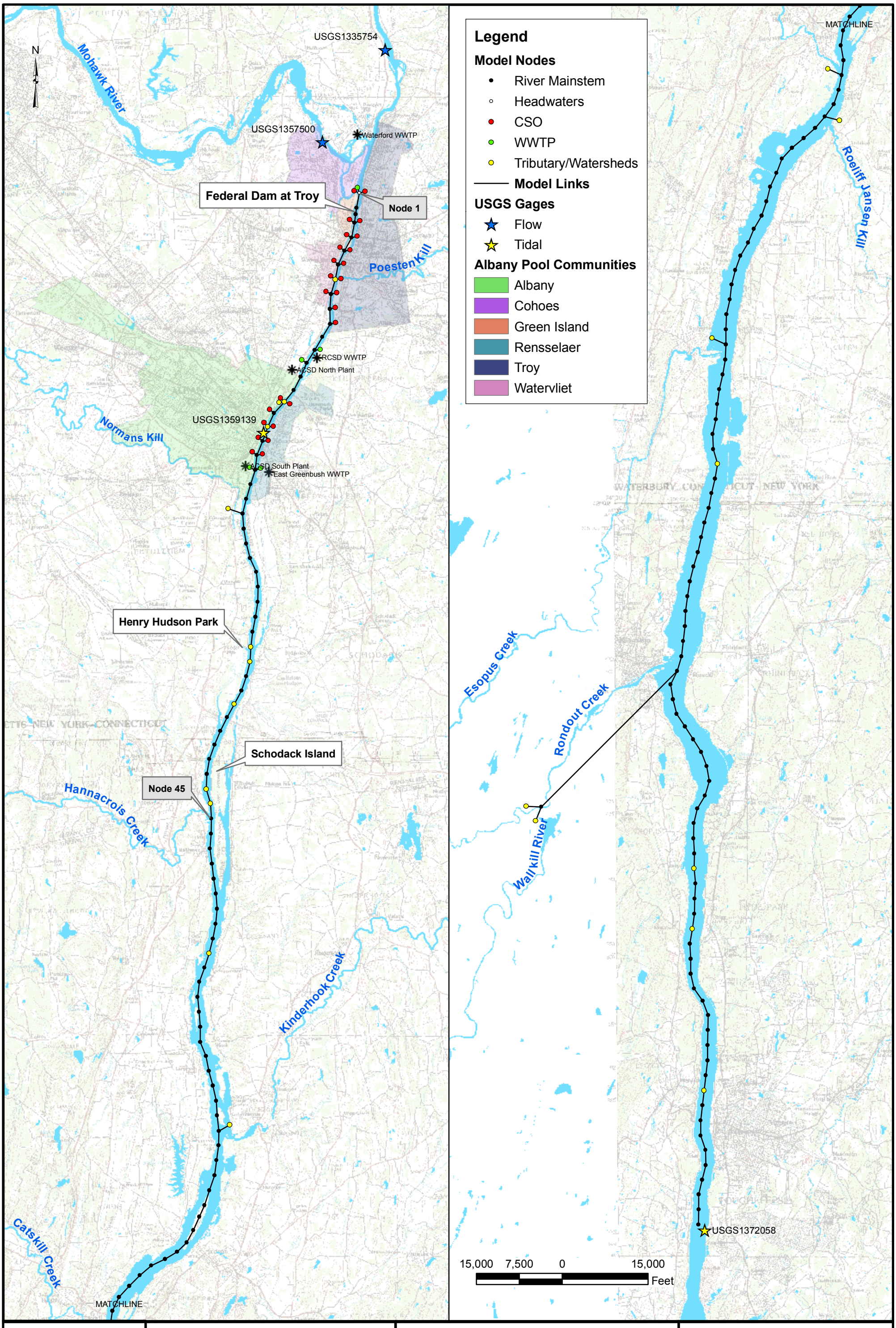
The receiving water quality model receives input from the four sewer system models of the Pool communities that were developed to support the CSO LTCP. Input to the receiving water model includes discharges that flow directly into the main stem of the Hudson River, either via outfalls on the banks of the river, or via channels that deliver discharge from multiple outfalls to the Hudson River. The concentration of the bacteria in CSO discharges was based on the discharge monitoring data collected in 2008. These concentrations were found to be consistent with the typical ranges reported by USEPA to Congress (USEPA, 2004).

Other sources of bacteria to the river were also represented, including tributaries, direct non-point sources, and WWTP discharges. Direct non-point sources refer to the watershed areas with runoff draining directly to the river. The upstream boundary of the receiving water model is just upstream of the Federal Dam in Troy on the Hudson River and includes the combined effects of both the Mohawk and Upper Hudson Rivers. The model extends approximately 80 miles past Henry Hudson Park and Schodack Island in Selkirk down to Poughkeepsie. Poughkeepsie was selected for the downstream limit of the model to allow adequate travel time for die-off of bacteria discharged by the CSOs, and because available data from an existing USGS tide and flow station on the Hudson River at Poughkeepsie was used as the downstream stage boundary condition. This modeling extent captures the Albany Pool area where fecal coliform data collected during the dry weather sampling were consistently at their maximum levels and where there were consistent exceedances of applicable water quality standards during wet weather events. **Figure 3-1** illustrates the extent and segmentation of the model network. Model nodes used as loading points for CSO, WWTP, headwater, tributary, and watershed flows are indicated on the figure. A total watershed area of approximately 11,800 square miles is represented in the model, of which approximately 8,000 mi^2 drains to the Hudson and Mohawk Rivers (headwaters) and approximately 3,800 mi^2 represents the watershed area tributary to the Hudson River within the study area.

3.2. River Hydrodynamic Transport

Model setup began with the establishment of the physical characteristics of the river system. This included the discretization of the river system into distinct receiving water segments, and the characterization of each segment with respect to channel dimensions such as width, depth and cross-sectional geometry.

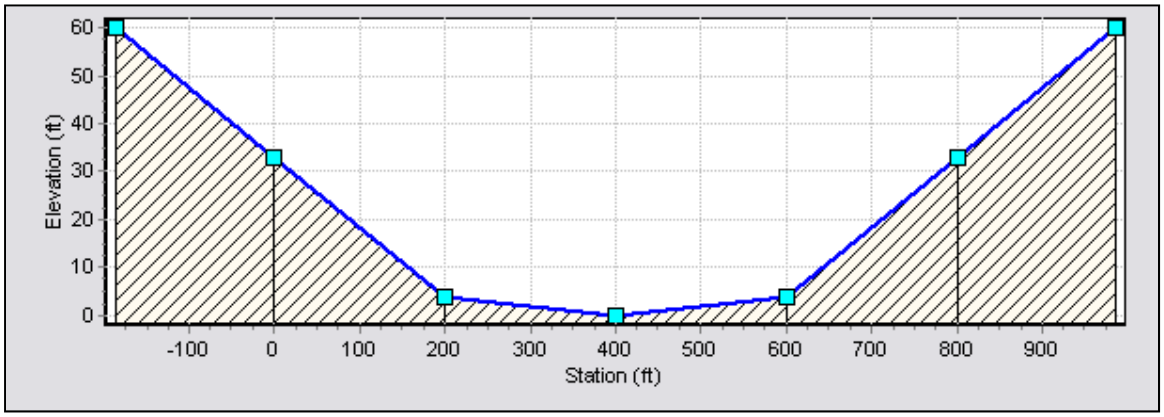
River cross-sections were established based on available Federal Emergency Management Agency (FEMA) data developed for existing Flood Insurance Studies (FIS) for the Hudson River. Navigational charts were also used to define the cross-sectional characteristics of the river. One cross-section per half mile was used to characterize the



	ALBANY POOL CSO LTCP	Receiving Water Quality Model	FIGURE 3-1

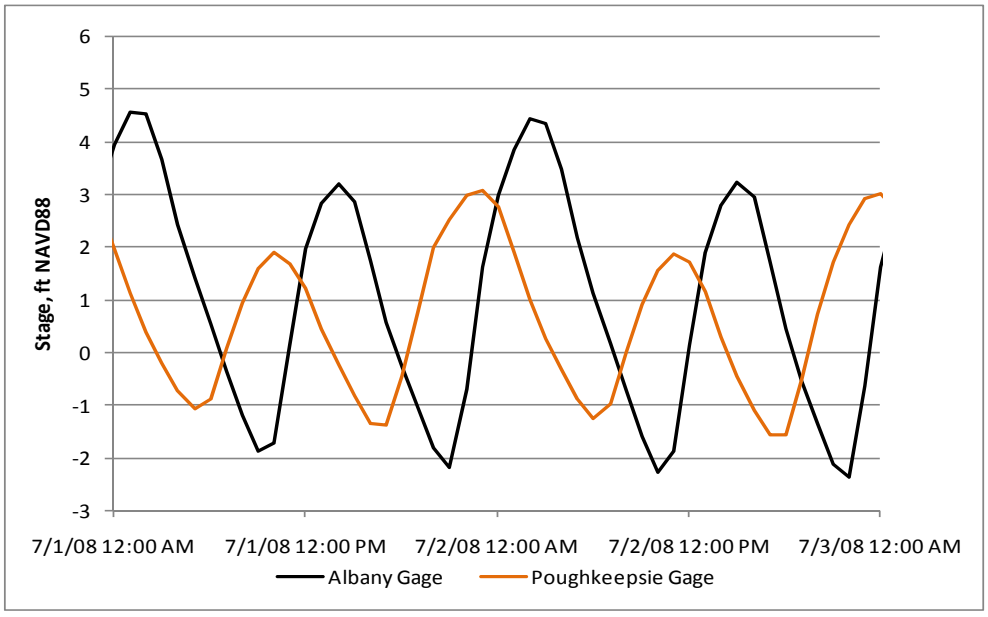
receiving water model segments. A total of twenty representative river cross-sections were applied in the model, including the one provided on **Figure 3-2**.

Figure 3-2. Typical Hudson River Model Cross-Section



To reflect the tidal influence on river flows, velocities, and depths, a tidal signal from the tidal station at Poughkeepsie (USGS station ID 1372058) was used at the downstream boundary of the river model. This allows the model to adequately reflect the tides' influence on the river hydrodynamics up to the Federal Lock and Dam in Troy. Measured data at the Albany Port tidal station (USGS station ID 1359139) were compared to the modeled stages at the corresponding receiving water segment at the Albany Port to validate the model hydrodynamics. The location of the tidal stations at Poughkeepsie and at the Albany Port is shown on Figure 3-1. Hourly Hudson River stages measured at Poughkeepsie and the Albany Port during early July 2008 are shown on **Figure 3-3**.

Figure 3-3. Measured Hourly Hudson River Stage



River hydrodynamics are also driven by river inflows. Daily flow data for the Hudson River at the upstream boundary (north of the Federal Lock and Dam in Troy) were developed by summing the flow records of the upstream USGS flow stations on the Hudson and Mohawk Rivers (USGS station ID 1335754 and USGS station ID 1357500), which are shown on Figure 3-1. Flow records for tributaries and other directly contributing watershed areas were developed from gage transformation of available USGS flow records. The gage transformation was performed by scaling the measured flows by the ratio of the tributary watershed area and the watershed area of the gage. Areas contributing to the combined sewer systems were subtracted from the total tributary watershed area. The gages used for the data transformation include:

- USGS 1364500 Esopus Creek at Mount Marion, NY
- USGS 1367500 Rondout Creek at Rosendale, NY
- USGS 1371500 Wallkill River at Gardiner, NY

These gages were selected based on their available period of flow records and representative flow characteristics. The gage transformation data for each tributary represented in the model is included in **Table 3-1**.

Discharges from the Albany Pool CSOs and wastewater treatment plants (RCSD, ACSD North and South WWTPs) were developed from the sewer system models. The Waterford WWTP and East Greenbush WWTP discharges were estimated based on the 2008 DMRs.

3.3. Mixing

For the purpose of this analysis, CSO discharges and other point and non-point discharges (e.g., tributaries, WWTPs) mix fully across the river at the point of discharge. This is consistent with the findings of the 2008 Receiving Water Quality Assessment. The focus of the receiving water model was to determine the segments of the Hudson River that are potentially affected by CSO discharges.

3.4. Fecal Coliform Bacteria Loading and Die-Off

Fecal coliform loading data for various sources were established based on flows and associated bacteria concentrations. Fecal coliform bacteria concentrations for CSO discharges were developed based on the 2008 water quality assessment, with the average bacteria concentration established for the CSO discharge from each of the CSS modeled areas. Fecal coliform bacteria counts from WWTP discharges were also based on the 2008 monitoring program data collected at the WWTPs under dry weather and wet weather conditions. Similarly, tributary bacteria concentrations were set for dry weather and wet weather periods based on averaging data from the 2008 water quality assessment. The wet weather and dry weather periods were based on local rainfall data.

Table 3-1. Summary of Gage Transformation for Tributaries and Watershed Areas

Tributary/Watershed Area	USGS Gage	Ratio of Tributary Watershed Area to Gaged Watershed Area
Poesten Kill/Wynants Kill	Rondout	0.33
Patroons Creek	Esopus	0.09
Mill Creek	Rondout	0.07
Normans Kill	Esopus	0.48
Hannacrois Creek	Esopus	0.16
Kinderhook Creek	Rondout	1.38
Catskill Creek	Esopus	0.99
Roeliff Jansen Kill	Rondout	0.60
Esopus Creek	Esopus	1.08
Rondout Creek	Rondout	1.05
Wallkill River	Wallkill	1.13
Watershed Area 1	Esopus	0.09
Watershed Area 2	Esopus	0.13
Watershed Area 3	Esopus	0.13
Watershed Area 4	Rondout	0.12
Watershed Area 5	Rondout	0.16
Watershed Area 6	Rondout	0.10
Watershed Area 7	Rondout	0.06
Watershed Area 8	Rondout	0.18
Watershed Area 9	Rondout	0.28

Notes:

1) Ratio of tributary watershed area to gaged watershed area was applied to gage flow records to estimate tributary and watershed flows.

2) Poesten Kill and Wyants Kill flows were loaded at the same model node.

3) Runoff from Watershed Areas 1-9 drain directly to the Hudson River.

4) Watershed areas for the Esopus Creek, Rondout Creek, and Wallkill River gages are 419, 383, and 695 mi^2, respectively.

The bacteria concentrations assigned to the headwater inflow were estimated in a slightly different manner. Unlike the local tributaries that will exhibit an immediate and pronounced wet weather response to storm events, the headwater flows and concentrations will reflect the attenuation of both flows and concentrations as wet weather runoff is routed through the watershed transport network, and also will reflect the non-uniform nature of rainfall across the large watershed tributary area.

Consequently, a baseflow separation analysis of the headwater inflow was performed to estimate the percentages of headwater flow associated with runoff and baseflow at all times during the simulation period. The headwater bacteria concentration at any given time during the simulation period was then established based on the relative estimated quantities of baseflow and runoff comprising the total flow, and the assigned runoff and baseflow headwater bacteria concentrations. The headwater baseflow bacteria concentration was assigned based on the average measured dry weather concentrations in 2008, and the headwater bacteria runoff concentration was assigned based on the measured wet weather concentrations in 2008 plus the estimated split between runoff and baseflow at the times that the wet weather headwater samples were taken. This approach yielded a very reasonable set of model simulation results at the most upstream model segment (see Figure 4-2).

The fecal coliform concentrations used as input to the receiving water model under existing conditions are provided in **Table 3-2**.

Bacteria fate in the receiving water model was simulated as a first-order loss rate. The general form of the mathematical representation of bacteria loss as bacteria travel downstream is:

$$c_x = c_0 e^{-\left(\frac{kx}{U}\right)}$$

where c_x = concentration at x feet downstream, c_0 = initial concentration, k = decay coefficient (1/day), x = distance downstream of outfall in feet, and U = flow velocity in feet/day. Studies have suggested that fecal coliform loss occurs at an approximate rate of one order of magnitude every two days. This corresponds to a decay coefficient (k) of 1.15/days. This value was used as an initial value in the model validation, and the model results suggested that this value was appropriate for the study area.

Table 3-2. Summary of SWMM Input Data for Fecal Coliform Bacteria Concentrations (cfu/100 ml) to Hudson River for Existing Conditions

	Dry	Wet
Combined Sewer Overflows (CSO)		
Albany North	-	1,139,683
Albany South	-	1,587,572
Troy	-	1,692,660
Rensselear	-	1,096,445
Wastewater Treatment Plants		
Albany North WWTP	41,067	73,586
Albany South WWTP	18,833	32,156
Rensselaer County WWTP	19,779	58,871
East Greenbush WWTP	113,146	133,395
Waterford WWTP	136,132	47,972
Headwaters		
Hudson and Mohawk Rivers	38	330
Tributaries/Watershed Runoff		
Normans Kill	296	2,009
Patroons Creek	7,789	14,367
Poesten Kill/Wynants Kill	382	1,600
Mill Creek	657	5,214
Others	446	2,929

Notes:

Tributaries/Watershed Runoff:

1) Baseline concentrations based on results of 2008 sampling.
Dry weather concentration based on average of all dry event results.
Wet weather concentration based on overall average of all wet event average concentrations.
2) Normans Kill concentations based on sampling results at transect 11 (E-T11-SH).
3) Patroons Creek concentrations based on sampling results at transect 16 (E-T16-SH).
4) Poesten Kill and Wynants Kill concentrations based on weighted average of sampling results at transects D-T14-SH (Poesten Kill) and D-T13-SH (Wynants Kill) according to watershed area ratio.
5) Mill Creek concentrations based on sampling results at transect 12 (D-T12-SH).
6) Other tributaries include Kinderhook Creek, Catskill Creek, Roeliff Jansen Kill, Esopus Creek, Rondout Creek, Wallkill River, Hannacrois Creek, and additional watershed areas. Concentrations based on average of Normans Kill, Poesten Kill, Wynants Kill, and Mill Creek concentrations.

4. Model Validation

4.1. Overview

The bacteria model was validated for dry weather conditions, wet weather conditions, and a multi-month continuous simulation. The validation period for the bacteria model in SWMM extended from June through mid-September 2008. These limits were defined by the initiation of both the wet weather sampling program (first event occurred on May 31, 2008) and the installation of the combined sewer system flow meters and rain gages (completed by June 5, 2008). May 2008 was a dry month in which dry weather sampling data was obtained but no wet weather samples were taken until the 31st of the month. Therefore, verification plots begin in June 2008 when potential CSO events were recorded. Model results were analyzed to confirm a reasonable match between measured bacteria data and model results, and to assess the impact of the CSO discharges on bacteria levels in the river during those events.

4.2. Hydrodynamic Model Validation

Measured data at the Albany Port tidal station (USGS station ID 1359139) were compared to the modeled stages in SWMM to validate the model hydrodynamics. The Manning's *n* value for the river cross-sections was adjusted to 0.02 to obtain a reasonable match between the measured and modeled stages, which are shown on **Figure 4-1**.

4.3. Bacteria Model Validation

Fecal coliform bacteria concentrations obtained from the water quality assessment during the summer of 2008 were compared to the modeled concentrations to validate the simulated bacteria fate and transport in the river. Each river transect (RT) site within the model limits had data for three sampling locations monitored across the width of the river (west, center, east). The bacteria concentrations measured at the three sampling locations were arithmetically averaged to obtain a single value at each sampling time for comparison to the modeled concentrations. The comparison of measured and modeled bacteria concentrations at each modeled river transect site is provided on **Figures 4-2** through **4-8**. Plots of modeled data reflect concentrations at 15 minute intervals.

Shoreline samples were also taken at the Henry Hudson Park and Schodack Island at a single location along the shore of the river. These sample locations were selected for the monitoring program to evaluate the bacteria impacts to these two sites under consideration as future beaches. The comparison of measured and modeled bacteria concentrations at the Henry Hudson Park and Schodack Island is provided on **Figures 4-9** and **4-10**.

Figure 4-1. Albany Gage Validation for 2008

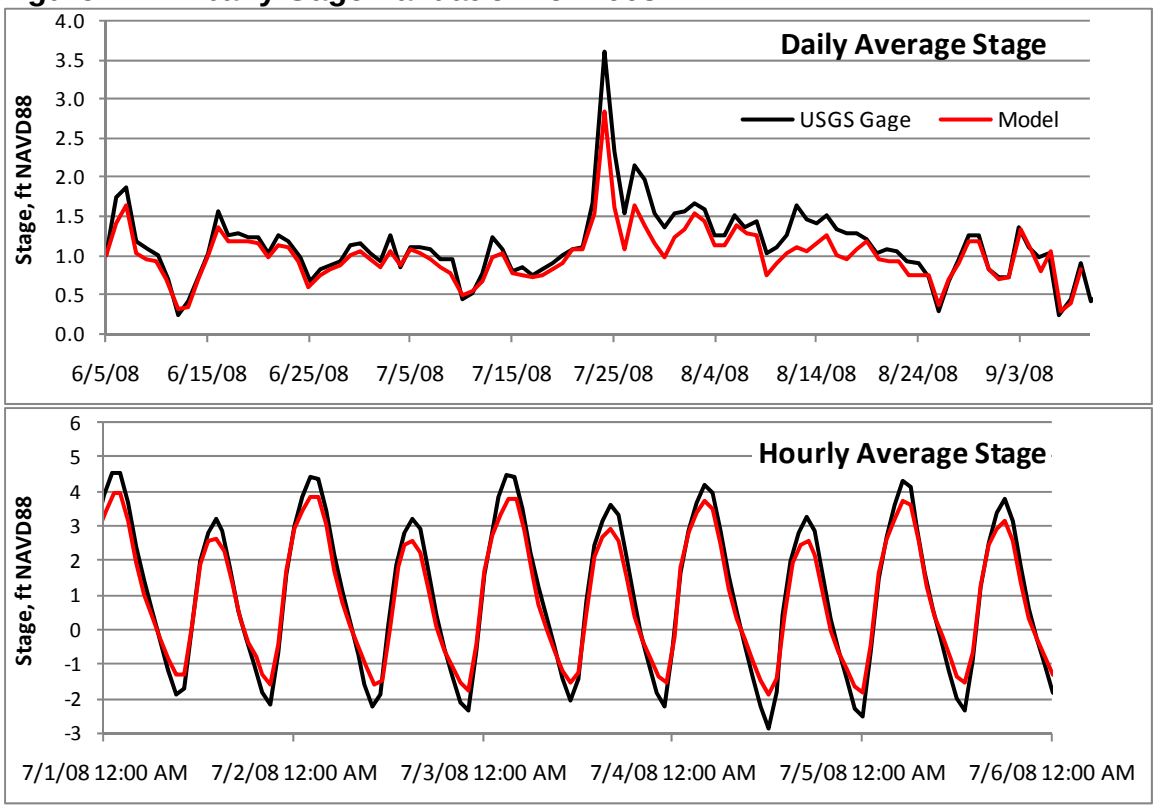


Figure 4-2. Measured and Modeled Hudson River Bacteria Concentrations Upstream of Federal Dam

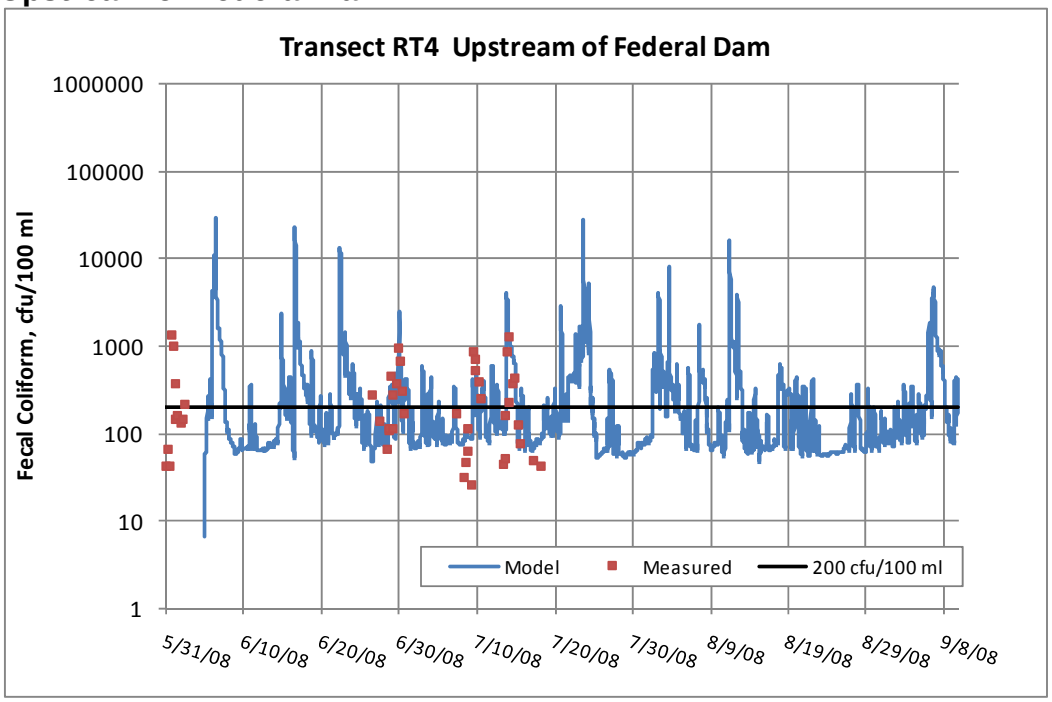


Figure 4-3. Measured and Modeled Hudson River Bacteria Concentrations Downstream of Federal Dam

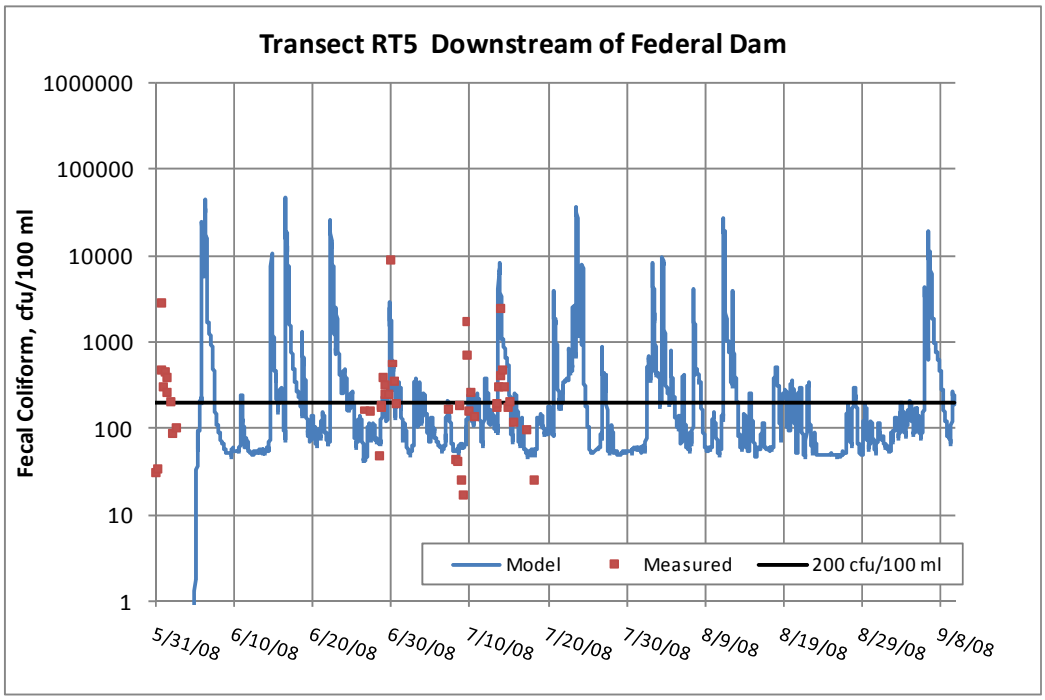


Figure 4-4. Measured and Modeled Hudson River Bacteria Concentrations at Route 378 Bridge

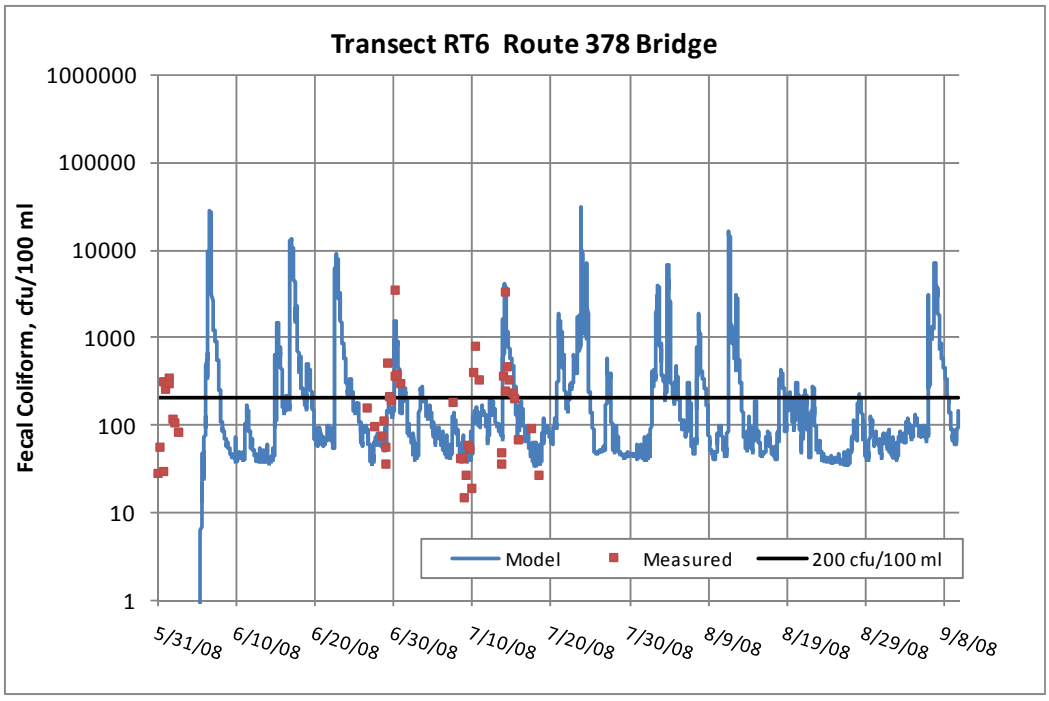


Figure 4-5. Measured and Modeled Hudson River Bacteria Concentrations at I-90 Bridge

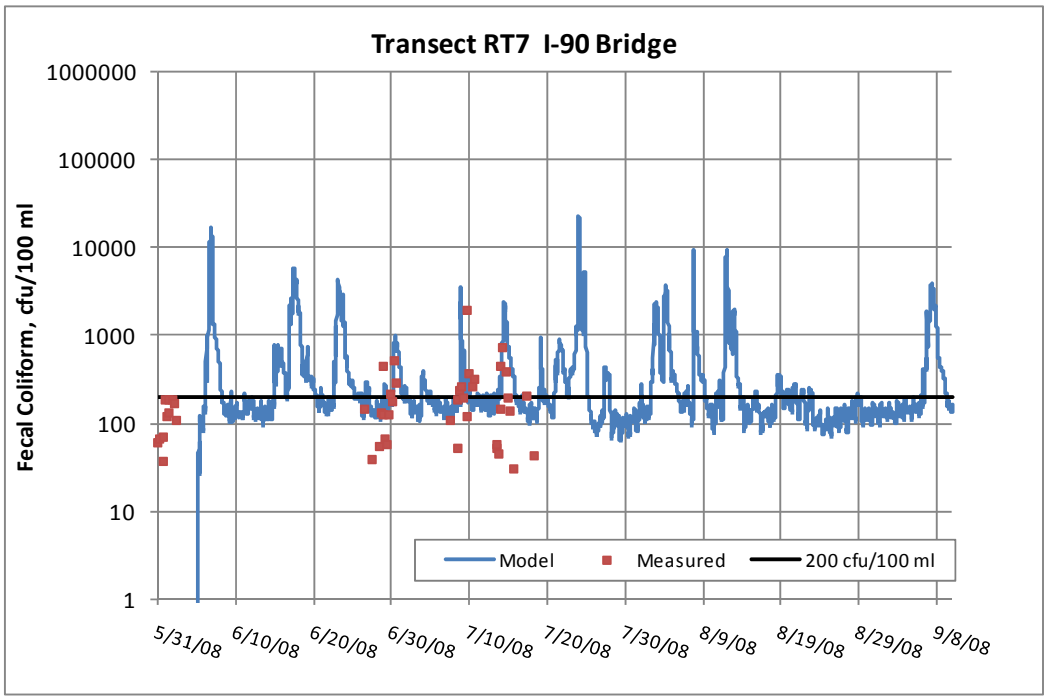


Figure 4-6. Measured and Modeled Hudson River Bacteria Concentrations at Dunn Memorial Bridge

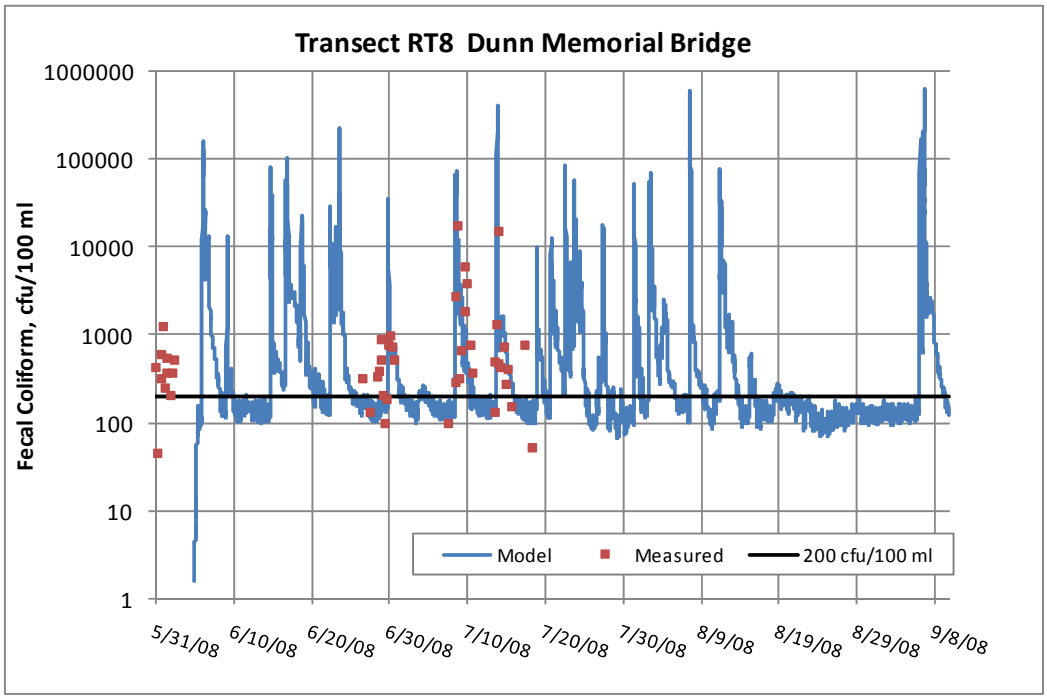


Figure 4-7. Measured and Modeled Hudson River Bacteria Concentrations at Albany Port

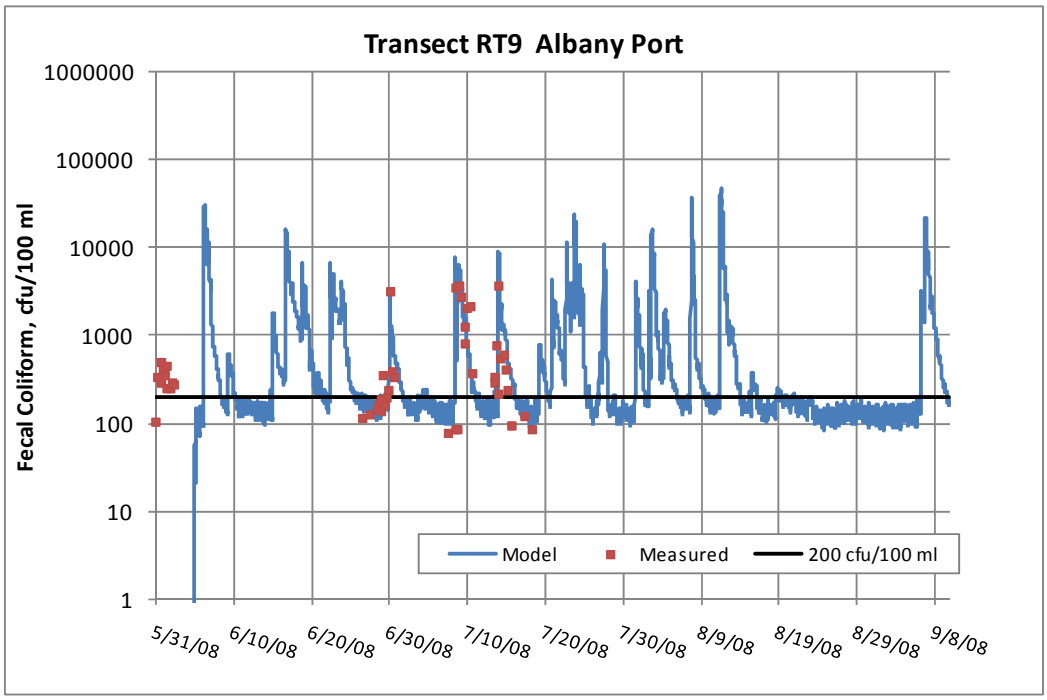


Figure 4-8. Measured and Modeled Hudson River Bacteria Concentrations at East Greenbush/Schodack

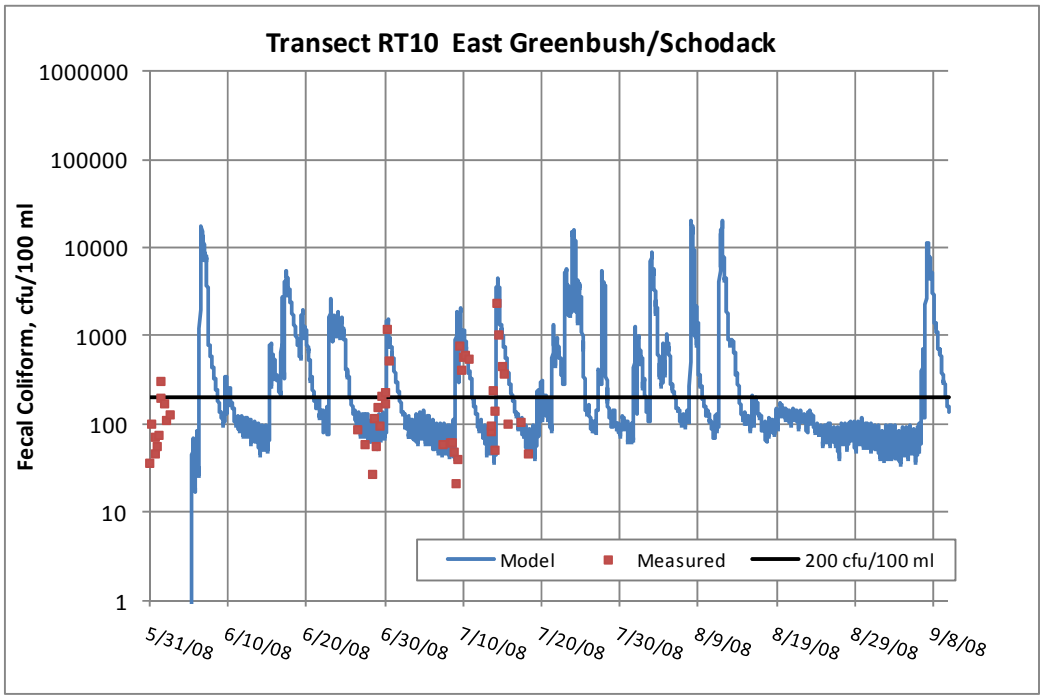


Figure 4-9. Measured and Modeled Hudson River Bacteria Concentrations at Henry Hudson Park

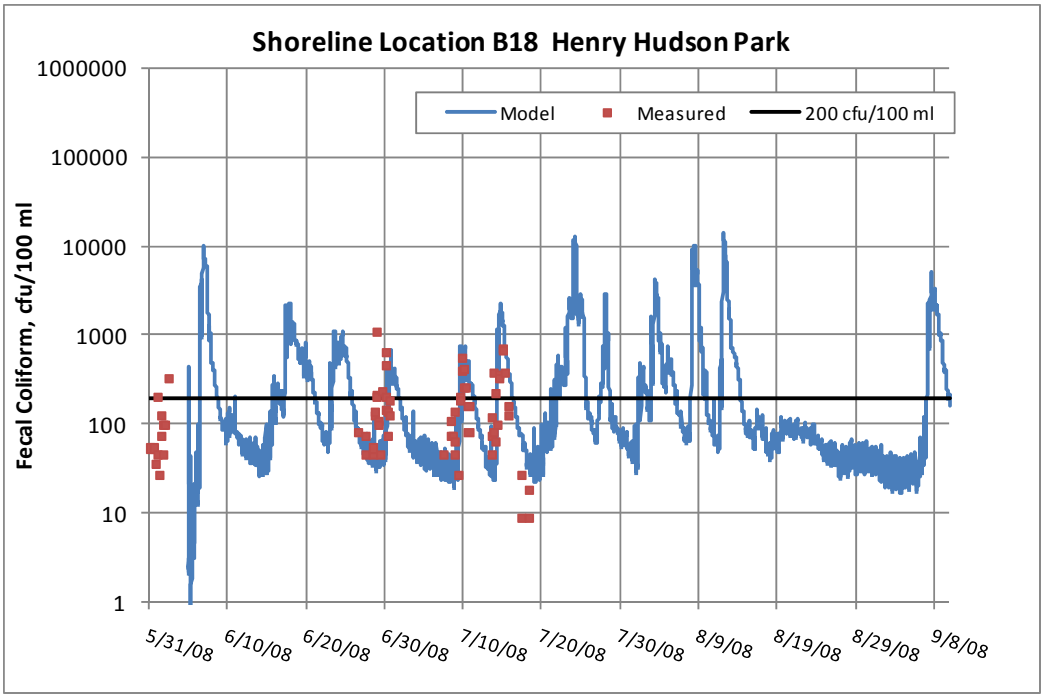
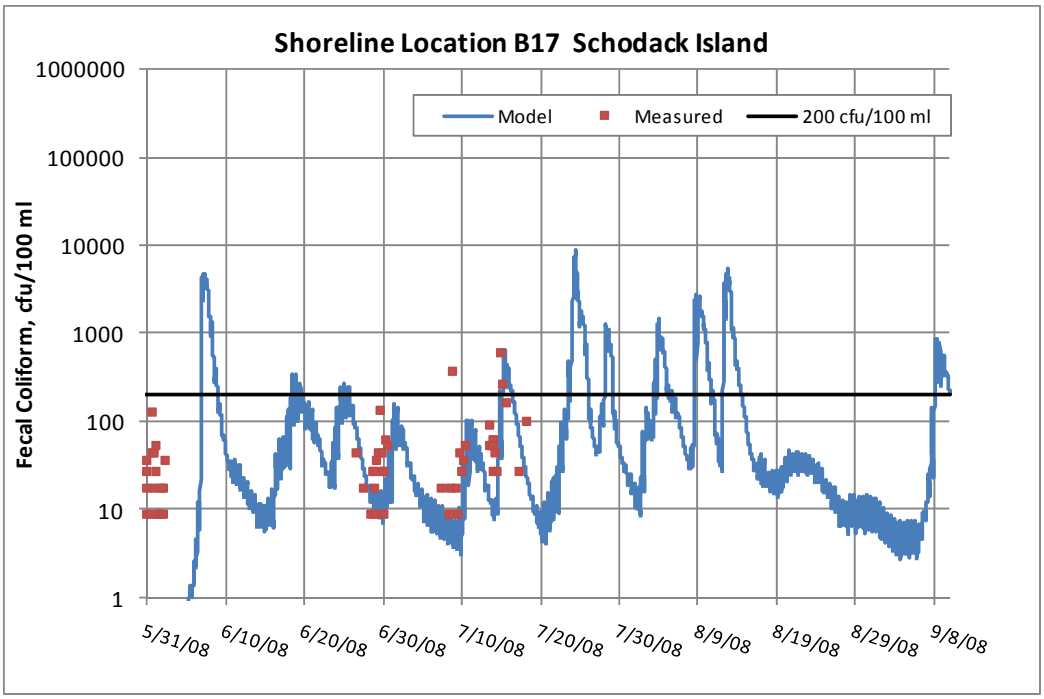


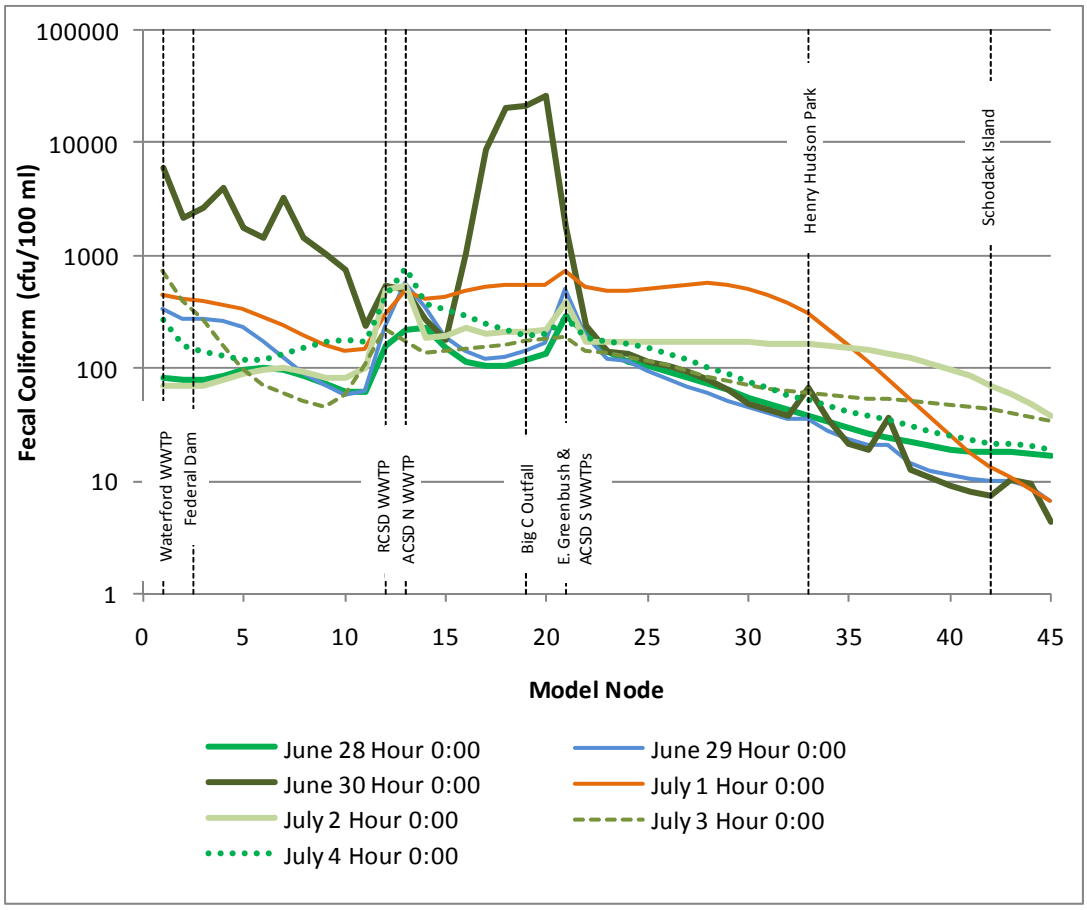
Figure 4-10. Measured and Modeled Hudson River Bacteria Concentrations at Schodack Island



The bacteria decay rate of 1.15/day provided a reasonable match between the measured and modeled bacteria levels during both dry weather conditions and wet weather peaks. Within the summer 2008 validation period, wet days were identified as May 31, June 28, July 8, and July 13.

Profiles of the bacteria concentration during and following one of the wet weather events (June 28-June 30, 2008) are presented on **Figure 4-11**. A separate profile is provided for the concentration at midnight for each day between June 28 and July 4, 2008. Each profile extends from model node 1 (upstream of Federal Dam) to node 45 (about 1.5 miles downstream of the Schodack Island sampling location B17), as indicated on Figure 3-1.

Figure 4-11. Daily Bacteria Profiles from SWMM Simulation – June 28 to July 4, 2008



On June 28 and 29, before the impacts of stormwater runoff and CSO discharges occur, the concentrations range from 7 to 570 cfu/100 ml. On June 30, when most CSOs are discharging, the concentrations range from 4 to 26,000 cfu/100 ml. The peak concentrations are shown at nodes 18 through 20, which is within the vicinity of the Big C outfall in Albany (largest CSO discharge by volume under baseline conditions). CSO

discharges from Troy, Cohoes, Green Island, and Watervliet contribute to the high concentrations at nodes 1 through 10. Concentrations on June 30 also peak further downstream at nodes 33 and 37 due to tributary wet weather discharges. The peak on June 30 at node 20 reduces in magnitude as it moves downstream to node 28 on July 1 and node 35 on July 2. Based on the die-off rate of 1.15/day, over 90% of the bacteria decayed by July 3. On July 1 through July 4, the concentrations are reduced and range from 7 to 796 cfu/100 ml. In addition, daily profiles comparing the daily average modeled and daily average measured bacteria values are provided in **Appendix A** of this report.

5. Receiving Water Quality Model Simulations

5.1. Long-Term Bacteria Simulation Scenarios

The bacteria model was used to perform continuous long-term simulations to evaluate standards compliance for baseline and scenario conditions. The same representative time period used in the simulation of the combined sewer system models was used for the bacteria river model – 1985 through 1989.

The initial simulation evaluated existing or baseline conditions to understand the current impact from WWTP and CSO discharges. After establishing baseline conditions, four alternative scenarios were evaluated. These are:

- **Scenario 1** evaluated future conditions, with all of the WWTPs providing disinfection (at a concentration of 200/100 ml) during the recreational period of May 1 through October 30, to illustrate the benefit of WWTP disinfection.
- **Scenario 2** included the WWTP disinfection improvements included in Scenario 1, and also assumed that the inflows at the headwater boundary and from the tributaries were improved to meet water quality standards. The results of Scenario 2 show the effects of CSOs alone in contributing to exceedance of the water quality standard for fecal coliform bacteria.
- **Scenario 3** evaluates the benefits of upgrading the combined sewer system based on the presumptive approach to achieve 85% capture of CSOs, and includes WWTP disinfection as in Scenario 1. This scenario does not include improvement in headwater or tributary bacteria concentrations.
- **Scenario 4** evaluates the benefits of only upgrading the combined sewer system based on the presumptive approach to achieve 85% capture of CSOs, with no WWTP disinfection and no improvement in headwater or tributary bacteria concentrations.

For all scenarios, model results were compared to the baseline condition to assess the benefits of each scenario in reducing the exceedance frequency for the fecal coliform bacteria standard.

The fecal coliform bacteria concentrations used as input to the receiving water model under baseline, Scenario 1, Scenario 2 Scenario 3 and Scenario 4 conditions are provided in **Table 5-1**, and average values are shown on **Figures 5-1** through **5-3**. The tributary concentrations shown on the figures are weighted averages based on the watershed areas.

Table 5-1. Summary of SWMM Input Data for Fecal Coliform Bacteria Concentrations (cfu/100 ml) to Hudson River

	Baseline (2008) & Scenario 4		Scenario 1 & Scenario 3		Scenario 2	
	Dry	Wet	Dry	Wet	Dry	Wet
Combined Sewer Overflows (CSO)						
Albany North	-	1,139,683	-	1,139,683	-	1,139,683
Albany South	-	1,587,572	-	1,587,572	-	1,587,572
Troy	-	1,692,660	-	1,692,660	-	1,692,660
Rensselear	-	1,096,445	-	1,096,445	-	1,096,445
Wastewater Treatment Plants						
Albany North WWTP	41,067	73,586	200	200	200	200
Albany South WWTP	18,833	32,156	200	200	200	200
Rensselaer County WWTP	19,779	58,871	200	200	200	200
East Greenbush WWTP	113,146	133,395	200	200	200	200
Waterford WWTP	136,132	47,972	200	200	200	200
Headwaters						
Hudson and Mohawk Rivers	38	330	38	330	38	83
Tributaries/Watershed Runoff						
Normans Kill	296	2,009	296	2,009	200	200
Patroons Creek	7,789	14,367	7,789	14,367	200	200
Poesten Kill/Wynants Kill	382	1,600	382	1,600	200	200
Mill Creek	657	5,214	657	5,214	200	200
Others	446	2,929	446	2,929	200	200

Notes:

Combined Sewer Overflows:

1) Concentrations based on results of 2008 sampling. Wet weather concentration based on average of all wet event average concentrations.

Wastewater Treatment Plants:

2) Baseline concentrations based on results of 2008 sampling. Dry weather concentration based on average of all dry event results.
Wet weather concentration based on overall average of all wet event average concentrations.

3) WWTP concentrations for Scenarios 1 and 2 were set to 200 cfu/100 ml during May 1 - Oct 30 and set to baseline concentrations at all other times of the year.

Headwaters:

4) Baseline concentrations based on results of 2008 sampling. A baseflow separation analysis was performed.
Baseflow concentration (38 cfu/100 ml) computed as average of dry event results at river transects 1 and 3 (RT1, RT3).
Runoff concentration estimated based on river model validation results and 2008 wet weather sampling.

Tributaries/Watershed Runoff:

5) Baseline concentrations based on results of 2008 sampling. Dry weather concentration based on average of all dry event results.
Wet weather concentration based on overall average of all wet event average concentrations.

6) Normans Kill concentations based on sampling results at transect 11 (E-T11-SH).

7) Patroons Creek concentrations based on sampling results at transect 16 (E-T16-SH).

8) Poesten Kill concentrations based on weighted average of sampling results at transects D-T14-SH (Poesten Kill) and D-T13-SH (Wynants Kill) according to watershed area rat

9) Mill Creek concentrations based on sampling results at transect 12 (D-T12-SH).

10) Other tributaries include Kinderhook Creek, Catskill Creek, Roeliff Jansen Kill, Esopus Creek, Rondout Creek, Wallkill River, Hannacrois Creek, and additional watershed are
Concentrations based on average of Normans Kill, Poesten Kill, Wynants Kill, and Mill Creek concentrations.

Figure 5-1. Average Fecal Coliform Bacteria Concentration for Baseline Condition and Scenario 4

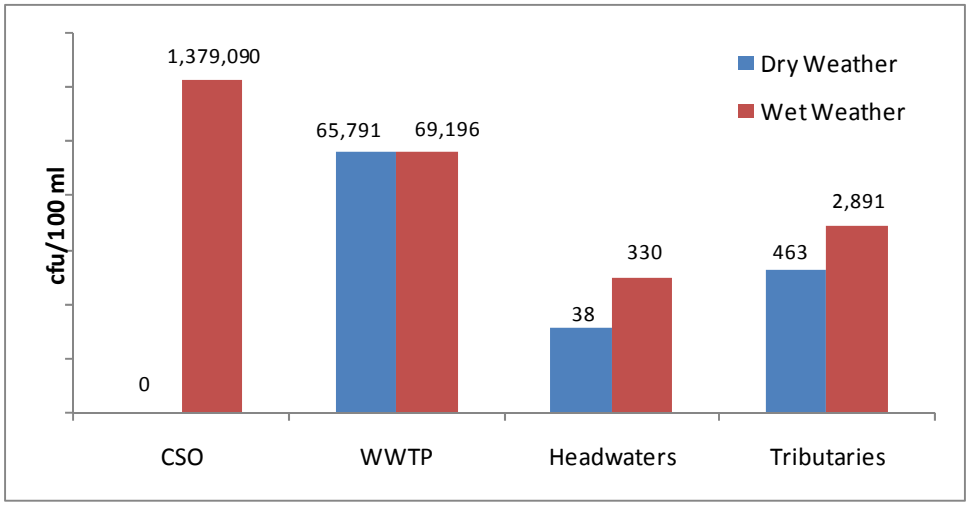


Figure 5-2. Average Fecal Coliform Bacteria Concentration for Scenario 1 and Scenario 3

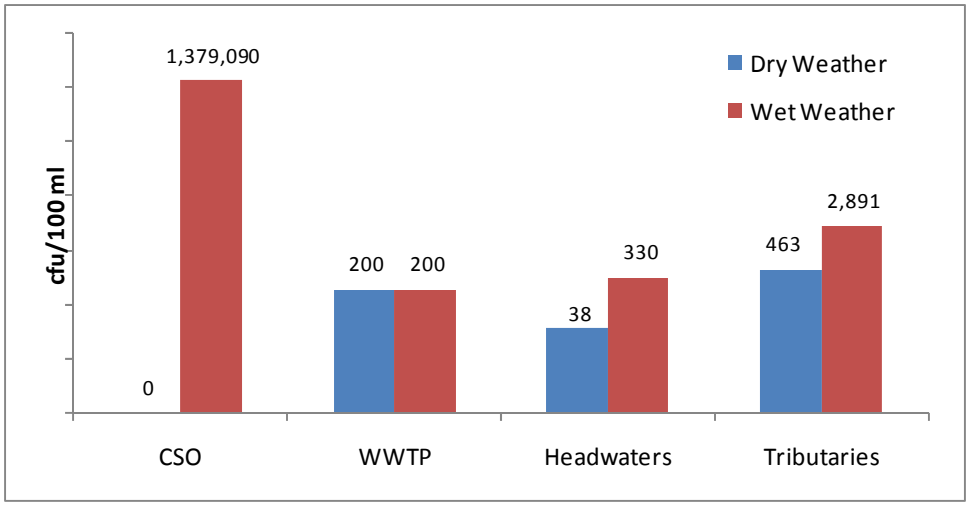
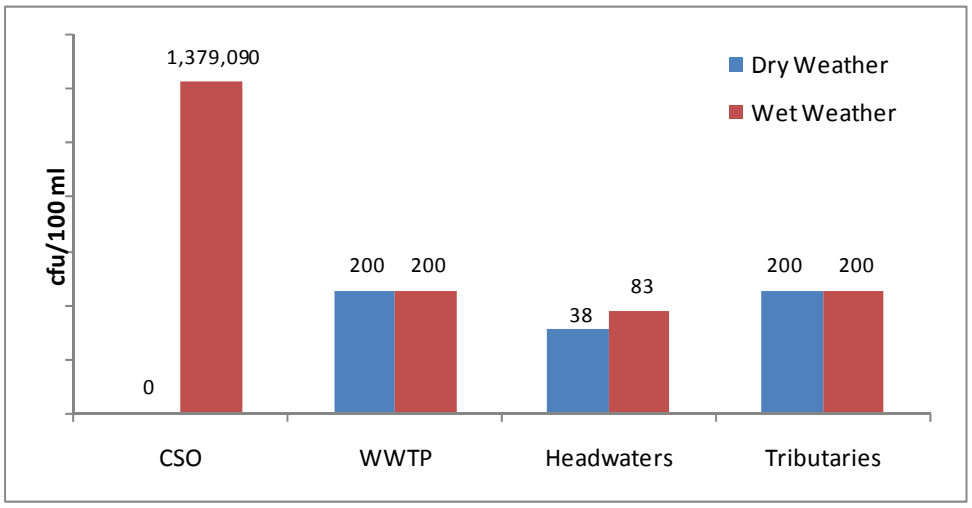


Figure 5-3. Average Fecal Coliform Bacteria Concentration for Scenario 2



5.2. Monthly Bacteria Water Quality Standard Exceedance Frequency During Recreational Season

For each of the five-year simulations, the model output of bacteria concentrations was analyzed to establish an average frequency for exceedance of the water quality standard. This standard is a geometric mean value of 200/100 ml, based on a minimum of five daily samples over a 30-day period.

Frequency of exceedance at a particular location was initially calculated based on a "monthly" approach, in which monthly geometric means of the modeled bacteria concentrations were evaluated assuming that a single daily sample at each modeled transect is "taken" at noon of each day. In other words, a monthly geometric mean was established based on one sample per day, and a total of 30 monthly geometric mean values was calculated (6 months of recreational season per year times 5 years of simulation).The total number of months with a geometric mean exceeding 200/100 ml was determined, and then was divided by five to determine the long-term average frequency of exceeding the water quality standard during a single recreation season (i.e., how many months per season would exceedance be expected). The exceedance frequency percentage was calculated based on how many of the 30 geometric means exceeded the standard. For example, if 10 of the 30 monthly values exceeded the standard, the frequency percentage would be 33% (10 divided by 30).

A summary of the exceedance frequencies at each river transect site and shoreline location under baseline and scenario conditions is provided in **Table 5-2**. As indicated in the table, for example, the frequency of exceeding the monthly geomean bacteria standard upstream of the Federal Dam (RT4) is 27%, which is equivalent to an average of 1.6 months per 6-month recreation season in the long-term perspective, which also equates to eight months every five years (or five recreation seasons).

Table 5-2. Frequency of Exceeding Fecal Coliform Standard and Expected Monthly Exceedance during Recreation Season (Monthly Geomean Using Noon Values)

Site	Site Description	Baseline (2008)			Scenario 1			Scenario 2			Scenario 3			Scenario 4		
		Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons	Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons	Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons	Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons	Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons
RT4	Upstream of Federal Dam	27%	1.6	8/5	7%	0.4	2/5	0%	0.0	0	3%	0.2	1/5	20%	1.2	6/5
RT5	Downstream of Federal Dam	10%	0.6	3/5	7%	0.4	2/5	0%	0.0	0	3%	0.2	1/5	3%	0.2	1/5
RT6	Route 378 Bridge	10%	0.6	3/5	7%	0.4	2/5	0%	0.0	0	3%	0.2	1/5	3%	0.2	1/5
RT7	I-90 Bridge	100%	6.0	6/1	3%	0.2	1/5	0%	0.0	0	0%	0.0	0	100%	6.0	6/1
RT8	Dunn Memorial Bridge	100%	6.0	6/1	7%	0.4	2/5	0%	0.0	0	7%	0.4	2/5	97%	5.8	29/5
RT9	Albany Port	100%	6.0	6/1	7%	0.4	2/5	0%	0.0	0	0%	0.0	0	97%	5.8	29/5
RT10	East Greenbush/Schodack	33%	2.0	2/1	3%	0.2	1/5	0%	0.0	0	0%	0.0	0	27%	1.6	8/5
B18	Henry Hudson Park in Selkirk, NY (shore)	23%	1.4	7/5	3%	0.2	1/5	0%	0.0	0	0%	0.0	0	10%	0.6	3/5
B17	Schodack Island in Schodack Landing, NY (shore)	3%	0.2	1/5	0%	0.0	0	0%	0.0	0	0%	0.0	0	0%	0.0	0

Notes:
1) Expected monthly exceedance refers to number of months per 6-month recreational season that would expect to exceed the bacteria standard.
2) Exceedance of 0.2 months per 6-month recreational season is equivalent to exceedance frequency of 1 month per 5 recreational seasons.
3) Scenario 1 included WWTPs providing disinfection (at a concentration of 200/100 ml) during the recreation season.
4) Scenario 2 included WWTP disinfection improvements of Scenario 1 and assumed headwater and tributary inflows were improved to meet water quality standards.
5) Scenario 3 included overall 85% capture and WWTPs providing disinfection (at a concentration of 200/100 ml) during the recreation season.
6) Scenario 4 included overall 85% capture with baseline concentations (no WWTP disinfection and no improvements to headwaters or tributary inflows).
7) Geomeans based on daily bacteria concentrations at noon.

Table 5-3. Frequency of Exceeding Fecal Coliform Standard and Expected Monthly Exceedance during Recreation Season (Monthly Geomean Using Daily Average Values)

Site	Site Description	Baseline (2008)			Scenario 1			Scenario 2			Scenario 3			Scenario 4		
		Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons	Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons	Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons	Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons	Exceedance Frequency	Months per Recreation Season	# Months / # Recreation Seasons
RT4	Upstream of Federal Dam	30%	1.8	9/5	7%	0.4	2/5	0%	0.0	0	3%	0.2	1/5	23%	1.4	7/5
RT5	Downstream of Federal Dam	20%	1.2	6/5	7%	0.4	2/5	0%	0.0	0	3%	0.2	1/5	3%	0.2	1/5
RT6	Route 378 Bridge	10%	0.6	3/5	7%	0.4	2/5	0%	0.0	0	3%	0.2	1/5	7%	0.4	2/5
RT7	I-90 Bridge	100%	6.0	6/1	7%	0.4	2/5	0%	0.0	0	0%	0.0	0	100%	6.0	6/1
RT8	Dunn Memorial Bridge	100%	6.0	6/1	20%	1.2	6/5	0%	0.0	0	7%	0.4	2/5	100%	6.0	6/1
RT9	Albany Port	100%	6.0	6/1	13%	0.8	4/5	0%	0.0	0	0%	0.0	0	97%	5.8	29/5
RT10	East Greenbush/Schodack	50%	3.0	3/1	3%	0.2	1/5	0%	0.0	0	0%	0.0	0	30%	1.8	9/5
B18	Henry Hudson Park in Selkirk, NY (shore)	27%	1.6	8/5	3%	0.2	1/5	0%	0.0	0	0%	0.0	0	17%	1.0	1/1
B17	Schodack Island in Schodack Landing, NY (shore)	3%	0.2	1/5	0%	0.0	0	0%	0.0	0	0%	0.0	0	0%	0.0	0

Notes:
1) Expected monthly exceedance refers to number of months per 6-month recreational season that would expect to exceed the bacteria standard.
2) Exceedance of 0.2 months per 6-month recreational season is equivalent to exceedance frequency of 1 month per 5 recreational seasons.
3) Scenario 1 included WWTPs providing disinfection (at a concentration of 200/100 ml) during the recreation season.
4) Scenario 2 included WWTP disinfection improvements of Scenario 1 and assumed headwater and tributary inflows were improved to meet water quality standards.
5) Scenario 3 included overall 85% capture and WWTPs providing disinfection (at a concentration of 200/100 ml) during the recreation season.
6) Scenario 4 included overall 85% capture with baseline concentations (no WWTP disinfection and no improvements to headwaters or tributary inflows).
7) Geomeans based on daily average of hourly bacteria concentrations.

A comparison of the exceedance frequencies under baseline and scenario conditions is provided on **Figures 5-4** through **5-8**. The figures indicate the projected long-term average number of months per recreation season that the water quality standard would not be met.

Figure 5-4. Monthly Exceedances of Bacteria Standard per Recreation Season for Baseline Conditions

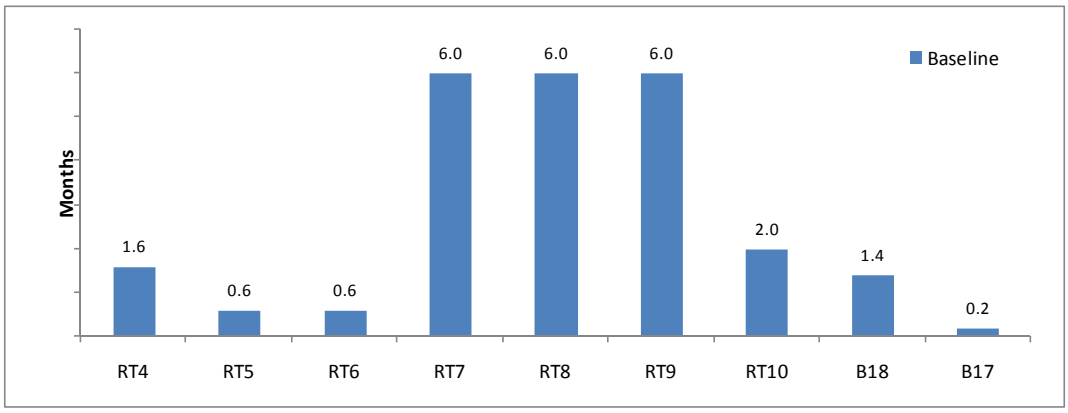


Figure 5-5. Monthly Exceedances of Bacteria Standard per Recreation Season for Scenario 1

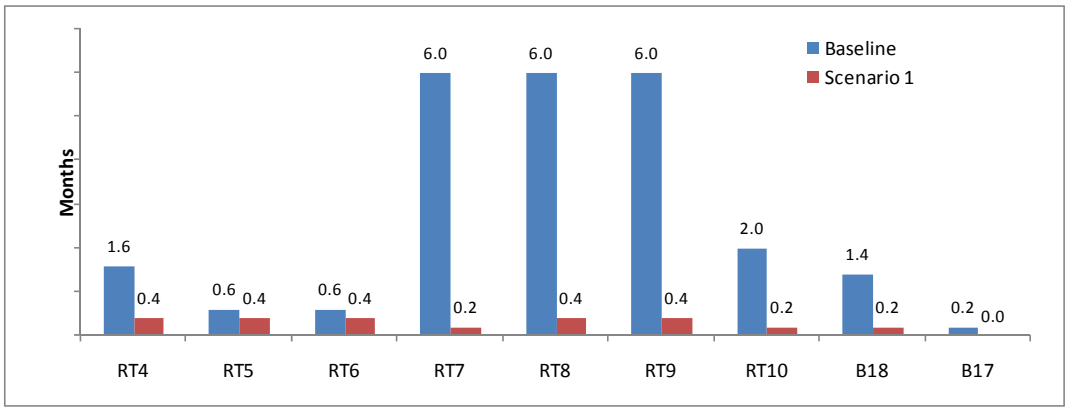


Figure 5-6. Monthly Exceedances of Bacteria Standard per Recreation Season for Scenario 2

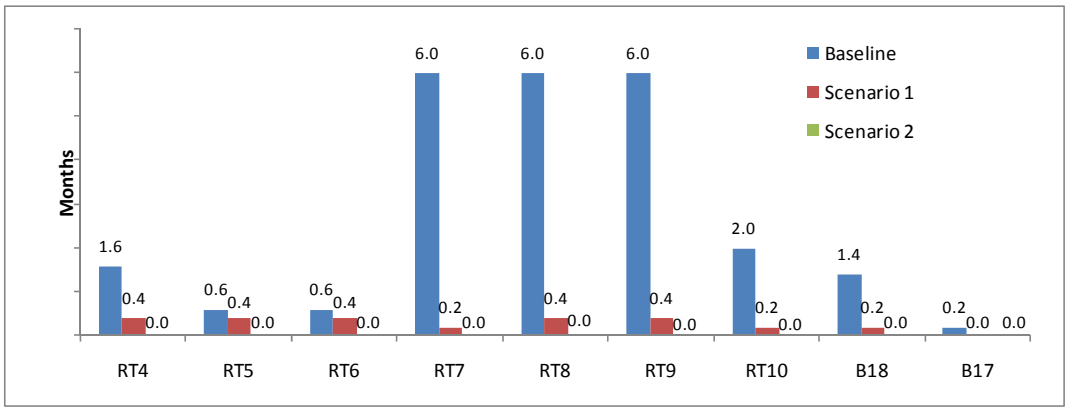


Figure 5-7. Monthly Exceedances of Bacteria Standard per Recreation Season for Scenario 3

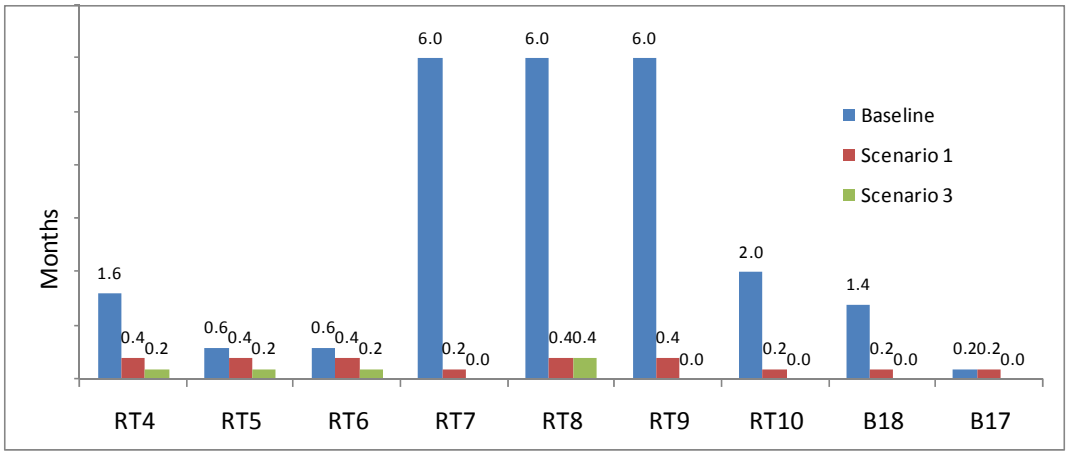
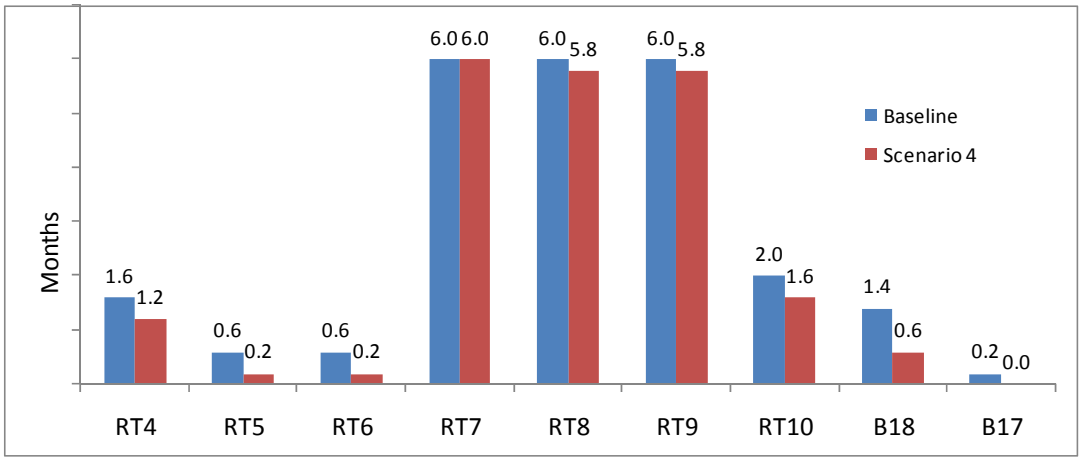


Figure 5-8. Monthly Exceedances of Bacteria Standard per Recreation Season for Scenario 4



Under the baseline conditions, the frequency of exceeding the bacteria standard is greatest within the vicinity of the I-90 bridge, Dunn Memorial Bridge, and the Albany Port (RT7, RT8, and RT9). In this area, the long-term average monthly geomean standard exceedance is 6 months per 6-month recreation season. The RCSD WWTP and ACSD North WWTP are both located just upstream of RT7, while the ACSD South WWTP and East Greenbush WWTP are located between RT8 and RT9. The Big C overflow in Albany, which accounts for 45% of all CSO in the Pool communities, corresponds with RT8 in the model.

With implementation of disinfection at the WWTPs (Scenario 1), the exceedance frequencies are greatly reduced at transects RT7, RT8, and RT9, which suggests that the WWTPs have a significant impact on the bacteria levels in the river and the frequency of exceeding the standard. Table 5-2 shows that exceedance at RT7, RT8 and RT9 is expected every month during the recreation season (total of 30 months) for the baseline condition. With disinfection, this is reduced to less than one month per recreation season at those locations. At all locations except Schodack Island (B17), disinfection of the WWTPs limits the exceedance of the monthly geometric mean standard to one or two months of the 30 recreational season months simulated. There are no months with exceedance at Schodack Island.

The exceedance frequencies are further reduced to zero months in exceedance at all locations when the water quality of the headwaters and tributaries is also improved (Scenario 2). The results of Scenario 2 illustrate the impact of only CSOs in contributing to exceedance of the water quality standard, and suggest that the Albany Pool CSOs alone have a minimal or no effect on exceedance of the monthly geomean standard during the recreational season.

Comparison of Scenario 1 and Scenario 3 results show that the combination of WWTP disinfection plus combined sewer system enhancements to achieve 85% capture (in accordance with the presumptive approach) would provide limited benefit in reducing exceedance frequency at most of the transect locations, as opposed to WWTP disinfection alone. Going from Scenario 1 to Scenario 3, the total number of months with exceedance of the standard in most locations was reduced by one month out of the 30 recreational season months simulated. This incremental benefit is much smaller than the benefit in going from the baseline condition to Scenario 1 (WWTP disinfection only).

Similarly, comparison of baseline and Scenario 4 results show that only implementing combined sewer system enhancements to achieve 85% capture would provide limited benefit in reducing exceedance frequency at most of the transect locations. Going from the baseline to Scenario 4, the total number of months with exceedance of the standard in most locations was reduced by one or two months out of the 30 months simulated during the recreational season. This incremental benefit is much smaller than the benefit in going from the baseline condition to Scenario 1 (WWTP disinfection only). Results still show exceedance either every month or nearly every month at transects RT7, RT8 and RT9.

These results show the tremendous impact of continuous undisinfected discharges of WWTP effluent in relation to intermittent short term CSO discharges.

Results of the bacteria model simulations for the long-term period suggest the following:

- The validated bacteria model accurately reflects the hydraulic conditions and bacteria sampling data collected from the Hudson River in the Albany Pool area during the water quality monitoring phase of the Albany Pool CSO LTCP Project.

- Table B-1 summarizes the baseline modeling results and indicates that the Hudson River is not currently attaining water quality compliance for the geomean bacteria standard. The Baseline (2008) simulation shows that all thirty months during the five recreational seasons are out of compliance. Sources of bacteria include WWTPs, headwaters, tributaries, CSOs and other point and non-point sources. As geomean bacteria levels are the highest at Transects RT7, RT8 and RT9, control alternatives evaluations will focus on achieving compliance with the bacteria standard at these river transects.

- The results of the **Scenario 1** (existing CSOs, disinfection of WWTPs and existing headwater and tributaries conditions) bacteria model run, as presented in Table 5-2 of Chapter 5 and Table B-2 of Appendix B, show that seasonal disinfection at the WWTPs will provide tremendous reductions in the exceedance of the bacteria standards from baseline (current) conditions, particularly at Transects RT7, RT8 and RT9. The **Scenario 1** simulation shows that only two out of thirty months during the five recreational seasons are out of compliance.

- The bacteria modeling results of **Scenario 2** (existing CSOs, disinfection of WWTPs, and headwater and tributaries meeting standard) indicate that upon disinfecting the WWTPs and bringing the headwaters and tributaries into compliance with the bacteria standard, the Hudson River's large assimilative capacity can receive current CSO discharges without exceedances of the water quality standard for bacteria during the recreation season. The **Scenario 2** simulation shows no exceedences during the five recreational seasons once other background sources are brought into compliance despite the continued discharge of CSO at their current levels.

- **Scenario 3** (CSOs at 85% capture, disinfection of WWTPs, and headwater and tributaries at existing conditions) modeling results indicate that bacteria loadings from the tributaries and headwaters contribute to the exceedance of the bacteria water quality standard, even after disinfecting the WWTPs and bringing CSOs into compliance using the presumptive approach (85% capture). The **Scenario 3** simulation shows that no additional reductions in bacteria exceedances of the water quality standards result from disinfection of the WWTP and 85% capture of CSO volume when compared with WWTP disinfection alone. Tables 5-2 and 5-3

show that two out of thirty months during the five recreational seasons are out of compliance.

- The bacteria model results for **Scenario 4** (85% CSO Capture with no improvements to the WWTPs, headwaters or tributaries), in comparison to the results of **Scenario 3**, further support the tremendous benefits associated with disinfecting WWTP effluent during the recreation season. The **Scenario 4** simulation shows that no reduction in bacteria exceedances of the water quality standards results from 85% capture of CSO volume when compared with the Baseline condition. Tables 5-2 and 5-3 show that all thirty months during the five recreational seasons are out of compliance.

- The results of the **Scenario 3** (see Table B-4) bacteria model run in comparison to the results of **Scenarios 2** (see Table B-3), indicate that exceedances of the bacteria water quality standard in September 1987 at Transects RT4, RT5, RT6 and RT 8 are caused primarily by the headwaters conditions.

- Improvements to continuous sources of bacteria contributions to the Hudson River, such as WWTPs, tributaries and the headwaters, provide more effective bacteria based water quality improvements in comparison to improvements to intermittent wet weather based CSO discharges.

5.3. Monthly Bacteria Water Quality Standard Exceedance Frequency Based on Daily Average Concentrations

At the request of NYSDEC, the exceedance frequency associated with the baseline and alternative scenarios was evaluated using the daily arithmetic average of modeled bacteria concentrations (which were saved on an hourly basis in the model output) and compared to the method based on selecting the noon value as the representative value for the day. Results of the analysis are presented in **Table 5-3**.

Direct comparisons of exceedance frequency values for each scenario and location in Tables 5-2 and 5-3 show that the calculated exceedance frequency is often the same for the two approaches, but in some cases, the exceedance frequency is higher based on the daily average values. For Scenarios 2 and 3, the frequency values for both methods are exactly the same. For the baseline condition, the frequency of exceedance is the same at the most critical locations (RT7, RT8, RT9) where exceedance is predicted 100% of the time, whereas using daily average values results in higher exceedance frequencies at RT4, RT5, RT10 and B18. Scenario 2 results show a somewhat higher frequency of exceedance using the daily average values at transects RT7, RT8 and RT9, but results are the same at all other locations. In Scenario 4, the frequency of exceedance calculated using daily average values is higher at locations RT4, RT6, RT8, RT10 and B18.

Values in the tables were also compared to assess the benefits (i.e., frequency of exceedance reduction) provided by each scenario in comparison to the baseline condition.

In comparison of the baseline condition to Scenario 1, the approach using daily average values results in greater exceedance frequency reduction at some locations (RT4, RT5, RT10, and B18) and less reduction (though still substantial reduction) at locations RT7, RT8 and RT9. Since Scenario 2 and Scenario 3 frequency of exceedance values are the same for both the noon sample and daily average approaches, the reduction in exceedance frequency for the daily average approach is always equal to or greater than that calculated using the noon value approach. In comparing the baseline and Scenario 4 results, the reduction in frequency exceedance for the daily average approach is greater at some locations, less at some locations, and the same at some locations, relative to the noon value approach.

Regardless of the approach taken (noon value or daily average value), the same conclusions can be drawn from the results. Disinfection of the POTWs clearly provides the most benefit in terms of frequency of exceedance reduction. Improvement of the CSS to achieve 85% capture (either alone or in combination with disinfection) results in limited incremental frequency of exceedance reduction in comparison to improvements to the headwaters and tributaries, particularly at the most critical transects (RT7, RT8, RT9).

The actual monthly geometric mean values calculated at each location for each recreational season month during the simulation period are presented in Appendix B. As requested by NYSDEC, there is a separate table in Appendix B for the baseline and for each scenario, showing the monthly calculated values using both the noon value and daily average value approaches.

5.4. Rolling Average Bacteria Water Quality Standard Exceedance Frequency During Recreational Season

Also for comparative purposes and at the request of NYSDEC, the exceedance frequency associated with the baseline and alternative scenarios was evaluated using a “rolling average” approach. For this analysis, a 30-day geometric mean was calculated for every 30-day period falling within the recreational season (May 1 – October 30). For example, the 30-day geometric mean for May 1 was calculated based on model output from May 1 through May 30. For each recreation season, a total of 154 30-day geometric means was calculated (data beyond October 2 cannot be used to calculate a 30-day geometric mean because the end of the season is less than 30 days from that date). This analysis considered both the noon value and daily average value approaches discussed earlier. The exceedance frequency percentage was calculated based on the number of 30-day periods with an exceedance, divided by the total number of 30-day periods evaluated in the 5-year simulation (770).

A summary of the exceedance frequencies at each river transect site and shoreline location under baseline and scenario conditions, using the rolling average methodology, is provided in **Tables 5-4 and 5-5**. Table 5-4 lists results using the noon value approach, while Table 5-5 lists results using the daily average value approach.

Direct comparisons of exceedance frequency values for each scenario and location in Tables 5-2 and 5-4 shows that the calculated exceedance frequency using the noon value and rolling average approach is in most cases less than or equal to the comparable exceedance frequency calculated using the noon value and monthly approach. In all cases, the comparable values were different by less than 10 percentage points.

Direct comparisons of exceedance frequency values for each scenario and location in Tables 5-2 and 5-5 shows that the calculated exceedance frequency using the daily average value and rolling average approach is in most cases greater than or equal to the comparable exceedance frequency calculated using the noon value and monthly approach. In almost all cases, the comparable values were different by less than 10 percentage points.

The actual rolling 30-day geometric mean values calculated at each location for the recreational season months during the simulation period are presented in Appendices C through G. There is a separate appendix for each model condition, as follows:

- Appendix C: Baseline condition
- Appendix D: Scenario 1
- Appendix E: Scenario 2
- Appendix F: Scenario 3
- Appendix G: Scenario 4

Within each appendix, there are a set of 18 tables, which included two tables for each of the nine evaluated locations (RT4, RT5, RT6, RT7, RT8, RT9, RT10, B18, and B17). One of the two tables includes the results using noon values, and the other includes the results using the daily average values.

Table 5-4. Frequency of Exceeding Fecal Coliform Standard during Recreation Season (Rolling Geomean Using Noon Values)

Site	Site Description	Baseline (2008)	Scenario 1	Scenario 2	Scenario 3	Scenario 4
RT4	Upstream of Federal Dam	21%	7%	0%	5%	15%
RT5	Downstream of Federal Dam	14%	5%	0%	4%	7%
RT6	Route 378 Bridge	8%	5%	0%	3%	4%
RT7	I-90 Bridge	98%	3%	0%	1%	93%
RT8	Dunn Memorial Bridge	98%	7%	0%	3%	88%
RT9	Albany Port	97%	5%	0%	2%	91%
RT10	East Greenbush/Schodack	42%	2%	0%	1%	24%
B18	Henry Hudson Park in Selkirk, NY (shore)	18%	2%	0%	0%	7%
B17	Schodack Island in Schodack Landing, NY (shore)	1.6%	0.0%	0.0%	0.0%	0.3%

Notes:
1) Scenario 1 included WWTPs providing disinfection (at a concentration of 200/100 ml) during the recreation season.
2) Scenario 2 included WWTP disinfection improvements of Scenario 1 and assumed headwater and tributary inflows were improved to meet water quality standards.
3) Scenario 3 included overall 85% capture and WWTPs providing disinfection (at a concentration of 200/100 ml) during the recreation season.
4) Scenario 4 included overall 85% capture with baseline concentations (no WWTP disinfection and no improvements to headwaters or tributary inflows).
5) 30 day rolling geomeans based on daily bacteria concentrations at noon.

Table 5-5. Frequency of Exceeding Fecal Coliform Standard during Recreation Season (Rolling Geomean Using Daily Average Values)

Site	Site Description	Baseline (2008)	Scenario 1	Scenario 2	Scenario 3	Scenario 4
RT4	Upstream of Federal Dam	30%	10%	0%	5%	19%
RT5	Downstream of Federal Dam	27%	11%	0%	4%	11%
RT6	Route 378 Bridge	16%	8%	0%	3%	7%
RT7	I-90 Bridge	100%	4%	0%	2%	99%
RT8	Dunn Memorial Bridge	100%	19%	1%	4%	93%
RT9	Albany Port	99%	12%	0%	2%	92%
RT10	East Greenbush/Schodack	47%	7%	0%	1%	27%
B18	Henry Hudson Park in Selkirk, NY (shore)	21%	4%	0%	1%	12%
B17	Schodack Island in Schodack Landing, NY (shore)	1.6%	0.0%	0.0%	0.0%	0.3%

Notes:
1) Scenario 1 included WWTPs providing disinfection (at a concentration of 200/100 ml) during the recreation season.
2) Scenario 2 included WWTP disinfection improvements of Scenario 1 and assumed headwater and tributary inflows were improved to meet water quality standards.
3) Scenario 3 included overall 85% capture and WWTPs providing disinfection (at a concentration of 200/100 ml) during the recreation season.
4) Scenario 4 included overall 85% capture with baseline concentations (no WWTP disinfection and no improvements to headwaters or tributary inflows).
5) 30 day rolling geomeans based on daily average of hourly bacteria concentrations.

In reviewing results presented using a variety of exceedance frequency calculation methods, it appears that the noon value and monthly geometric mean approach used initially provides a reasonable indication of expected exceedance frequency. In almost every case, the exceedance frequency calculated using that approach was within the range of exceedance values calculated by all of the other potential approaches, and does not show a bias (i.e., calculated values are not always higher or lower than those calculated by other approaches). As discussed earlier, the approach is also believed to be more consistent with the approach that could realistically be applied for post construction compliance sampling.

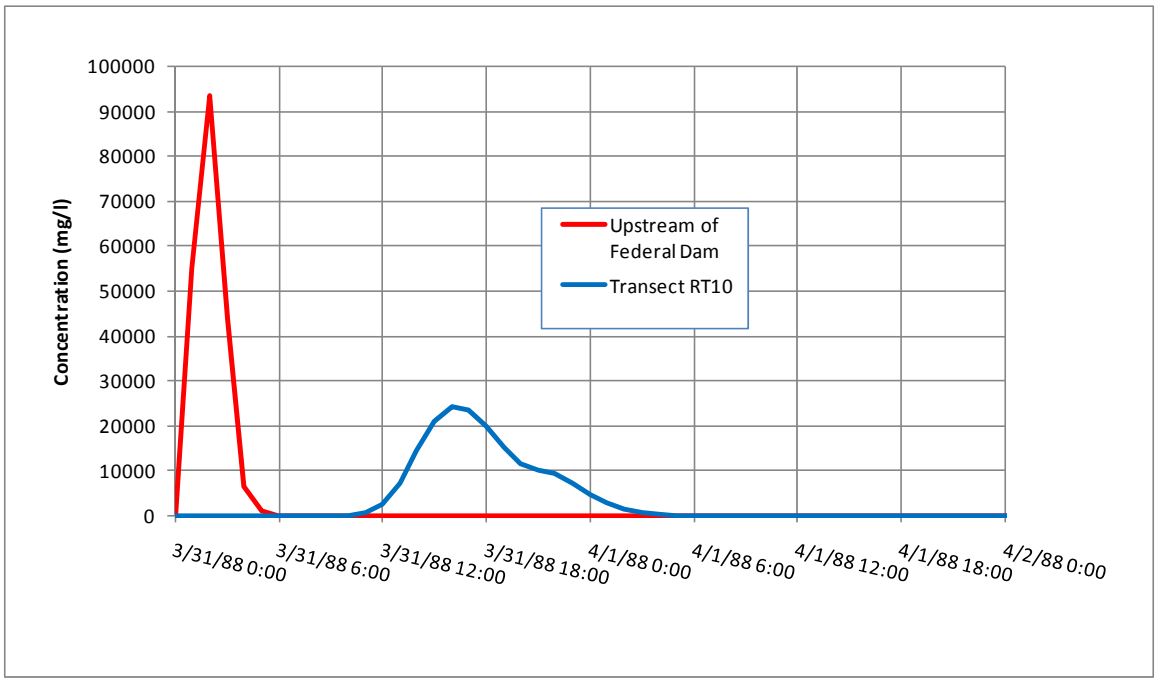
5.5. Travel Time through Albany Pool during High Flow, Median Flow and Low Flow Conditions

Additional analysis was conducted to determine travel time through the Albany Pool under low flow and high flow conditions. In the analysis, the receiving water model was applied for the period of March 1, 1988 through August 31, 1988. This period was selected because it included the 10^{th} percentile (low), 50^{th} percentile and 90^{th} percentile (high) flows relative to the long-term flow records of the Mohawk and Hudson Rivers for the long-term simulation period of 1985 through 1989. The low flow date (8/8/1988) had a combined Mohawk River and Hudson River flow of 4,420 cfs, whereas the high flow date (3/31/1988) had a combined flow of 23,500 cfs. The data selected as representative of the median flow was 5/8/1988, with a flow rate of 9,290 cfs.

For the dates corresponding to the low flow, median flow and high flow conditions, a slug loading of a conservative substance was introduced with the flow at the headwater of the receiving water quality model, at a concentration of 100,000 mg/l for a period of 2 hours. At all other inflow locations, and at the headwater during all times other than the one-hour period when the slug load was applied, the inflow concentration was set to zero. The model calculated the hydrodynamic transport of the conservative substance downstream from the discharge point based on the headwater and tributary inflows, and measured tidal stages at the Poughkeepsie gage, which is the downstream boundary of the model.

Figure 5-9 presents the time series of concentration generated by the model after introducing a slug load upstream of the federal Dam on 3/31/1988. The graph shows the modeled concentration at the dam, and at transect RT10, which is designated as the downstream end of the Albany pool. As shown in the figure, there is a lag of about 15 hours between the peak concentration at the dam and at RT10. The graph also shows that all of the mass has passed RT10 in less than two days.

Figure 5-9. Modeled Transport of Slug Loading at Federal Dam during High Flow Conditions



The time series concentration data were analyzed using Excel to determine the time at which 50% and 90% of the mass had passed RT10. This was done simply by summing the concentrations over the time period of non-zero concentrations at RT10, and determining the time corresponding at which the summed concentrations added to 50% and 90% of the total sum of concentration. This analysis showed that 50% of the mass reached RT10 within 15 hours and 90% of the mass reached RT10 by 21 hours.

Figure 5-10 presents the time series of concentration generated by the model after introducing a slug load upstream of the federal Dam on 8/8/1988. As shown in the figure, there is a lag of about 3 days between the peak concentration at the dam and at RT10. The graph also shows that all of the mass has passed RT10 in less than 8 days. When the time series concentration data were analyzed using Excel to determine the time at which 50% and 90% of the mass had passed RT10, the analysis showed that 50% of the mass reached RT10 within 4 days and 90% of the mass reached RT10 within 7 days.

Figure 5-11 presents the time series of concentration generated by the model after introducing a slug load upstream of the Federal Dam on 5/8/1988. As shown in the figure, there is a lag of about 36 hours between the peak concentration at the dam and at RT10. The graph also shows that all of the mass has passed RT10 in less than 4 days. When the time series concentration data were analyzed using Excel to determine the time at which 50% and 90% of the mass had passed RT10, the analysis showed that 50% of the mass reached RT10 within 44 hours and 90% of the mass reached RT10 within 63 hours.

Figure 5-10. Modeled Transport of Slug Loading at Federal Dam during Low Flow Conditions

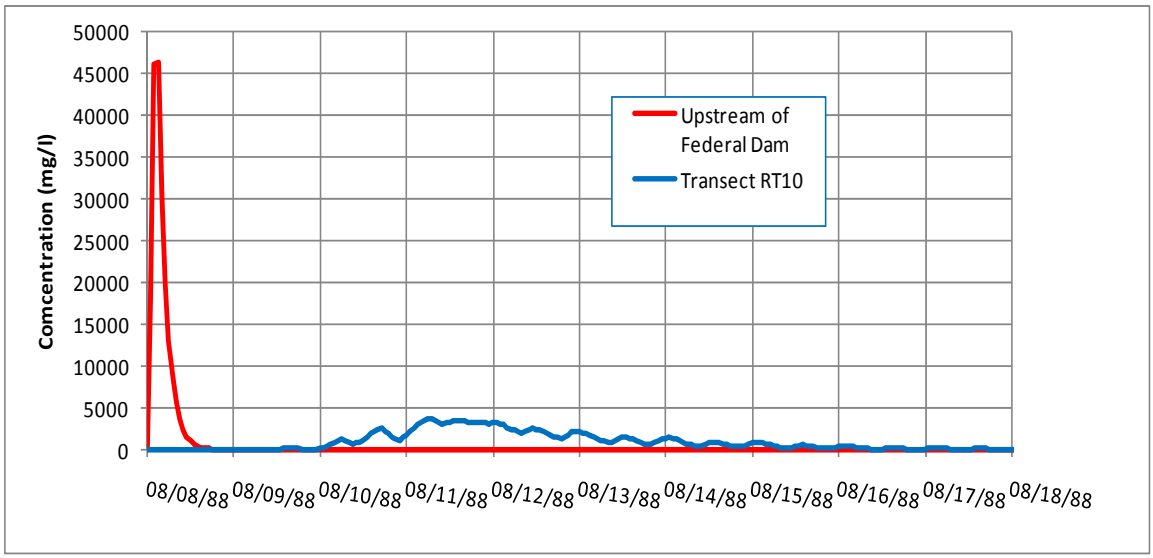
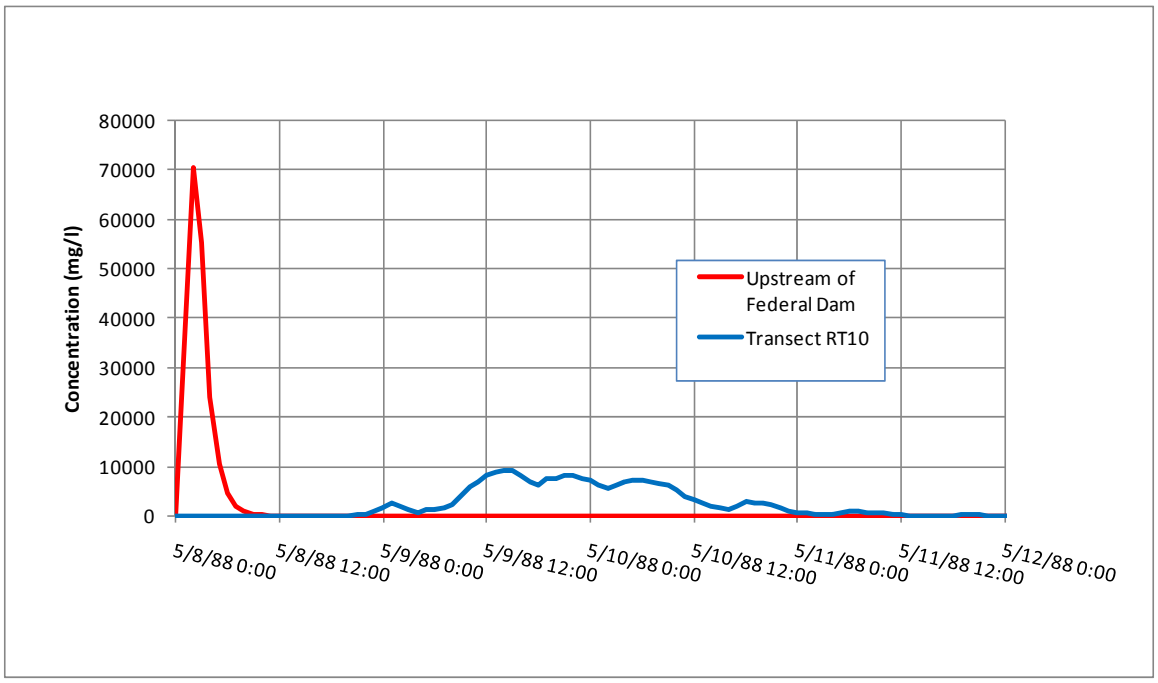


Figure 5-11. Modeled Transport of Slug Loading at Federal Dam during Median Flow Conditions



6. Observations and Conclusions

A receiving water model was developed in SWMM to simulate the river hydrodynamics, fecal coliform bacteria loading and transport, and first-order decay of bacteria. The model extends along the Hudson River from just upstream of the Federal Dam in Troy down to Poughkeepsie. Bacteria loadings from Albany Pool Communities' CSOs, wastewater treatment plants, headwaters, tributaries and adjacent watershed areas were included in the modeling. The bacteria model was used to perform continuous long-term simulations for the period from 1985 through 1989 for baseline and scenario conditions. A summary of each scenario and the results for the 6 month recreational season are provided in Table 6-1.

Table 6-1: Summary of SWMM Assumptions and Results

Scenario	WWTPs	Headwaters	Tributaries	CSOs	Exceedances (# months/ 30 months)
Baseline (2008)	No Disinfection	Baseline (2008)	Baseline (2008)	Baseline (2008)	30
1	Disinfection	Baseline (2008)	Baseline (2008)	Baseline (2008)	2
2	Disinfection	Improved	Improved	Baseline (2008)	0
2A	Disinfection	Improved	Baseline (2008); Patroon Creek improved to 2009 levels	Baseline (2008)	0
3	Disinfection	Baseline (2008)	Baseline (2008)	85% Capture	2
4	No Disinfection	Baseline (2008)	Baseline (2008)	85% Capture	30

Notes:

1) Disinfection was applied at the WWTPs only during the recreation season.
2) Improved headwaters and tributaries meet water quality standards for fecal coliform.
3) Exceedances are based upon the 5-yr simulation and refer to the number of months during the recreation season that the monthly geomean exceeds 200cfu/ml at any transect within the Albany Pool. Monthly geomeans were calculated based on noon values.

Observations and conclusions derived from the continuous long-term simulations are as follows:

- A review of historical river dissolved oxygen data indicates that CSOs are not a cause of violations of the dissolved oxygen standard. As a result, a dissolved oxygen river model is not required.

- The validated bacteria model accurately reflects the hydraulic conditions and bacteria sampling data collected from the Hudson River in the Albany Pool area during the water quality monitoring phase of the Albany Pool CSO LTCP Project.

- Table B-1 summarizes the baseline modeling results and indicates that the Hudson River is not currently attaining water quality compliance for the geomean bacteria standard. The Baseline (2008) simulation shows that all thirty months during the five recreational seasons are out of compliance. Sources of bacteria include WWTPs, headwaters, tributaries, CSOs and other point and non-point sources. As geomean bacteria levels are the highest at Transects RT7, RT8 and RT9, control alternatives evaluations will focus on achieving compliance with the bacteria standard at these river transects.

- The results of the **Scenario 1** (existing CSOs, disinfection of WWTPs and existing headwater and tributaries) bacteria model run, as presented in Table 5-2 of Section 5 and Table B-2 of Appendix B, show that seasonal disinfection at the WWTPs will provide tremendous reductions in the exceedance of the bacteria standards from baseline (current) conditions, particularly at Transects RT7, RT8 and RT9. The **Scenario 1** simulation shows that only two out of thirty months during the five recreational seasons are out of compliance.

- The bacteria modeling results of **Scenario 2** (existing CSOs, disinfection of WWTPs, and headwater and tributaries meeting standard) indicate that upon disinfecting the WWTPs and bringing the headwaters and tributaries into compliance with the bacteria standard, the Hudson River's large assimilative capacity can receive current CSO discharges without exceedances of the water quality standard for bacteria during the recreation season. The **Scenario 2** simulation shows no exceedences during the five recreational seasons once other background sources are brought into compliance despite the continued discharge of CSO at their current levels.

- **Scenario 2A** (existing CSOs, disinfection of WWTPs, headwaters meeting standard, Patroon Creek at 2009 levels) evaluated the ability of the Hudson River to assimilate CSO discharges with limited improvements to Patroon Creek

(completed in 2009) that reduce 2008 bacteria levels (baseline) to the measured 2009 conditions. The results of the **Scenario 2A** bacteria model run showed that the Hudson River can assimilate baseline CSO discharges with no exceedances of the bacteria water quality standard during the recreation season. The **Scenario 2A** simulation shows that, despite the continued discharge of CSO at their current levels, no exceedences during the five recreational seasons are predicted once the WWTP's and the headwaters (Hudson and Mohawk) are brought into compliance and the Patroon Creek is maintained at its current (2009) condition.

- **Scenario 3** (CSOs at 85% capture, disinfection of WWTPs, and headwater and tributaries at existing conditions) modeling results indicate that bacteria loadings from the tributaries and headwaters contribute to the exceedance of the bacteria water quality standard, even after disinfecting the WWTPs and bringing CSOs into compliance using the presumptive approach (85% capture). The **Scenario 3** simulation shows that no additional reductions in bacteria exceedances of the water quality standards result from disinfection of the WWTP and 85% capture of CSO volume when compared with WWTP disinfection alone. Tables 5-2 and 5-3 show that two out of thirty months during the five recreational seasons are out of compliance.

- The bacteria model results for **Scenario 4** (85% CSO Capture with no improvements to the WWTPs, headwaters or tributaries), in comparison to the results of **Scenario 3**, further support the tremendous benefits associated with disinfecting WWTP effluent during the recreation season. The **Scenario 4** simulation shows that no reduction in bacteria exceedances of the water quality standards results from 85% capture of CSO volume when compared with the Baseline condition. Tables 5-2 and 5-3 show that all thirty months during the five recreational seasons are out of compliance.

- The results of the **Scenario 3** (see Table B-4) bacteria model run in comparison to the results of **Scenarios 2 and 2A** (see Tables B-3 and B-3A), indicate that exceedances of the bacteria water quality standard in September 1987 at Transects RT4, RT5, RT6 and RT 8 are caused primarily by the headwaters conditions.

- The exceedance of the bacteria standard in May 1989 under **Scenario 3** in comparison with **Scenario 2A** (see Tables B-4 and B-3A respectively) indicate that improving the headwaters to water quality standards and improving Patroon Creek to 2009 conditions results in compliance with the bacteria water quality standard at all river transects.

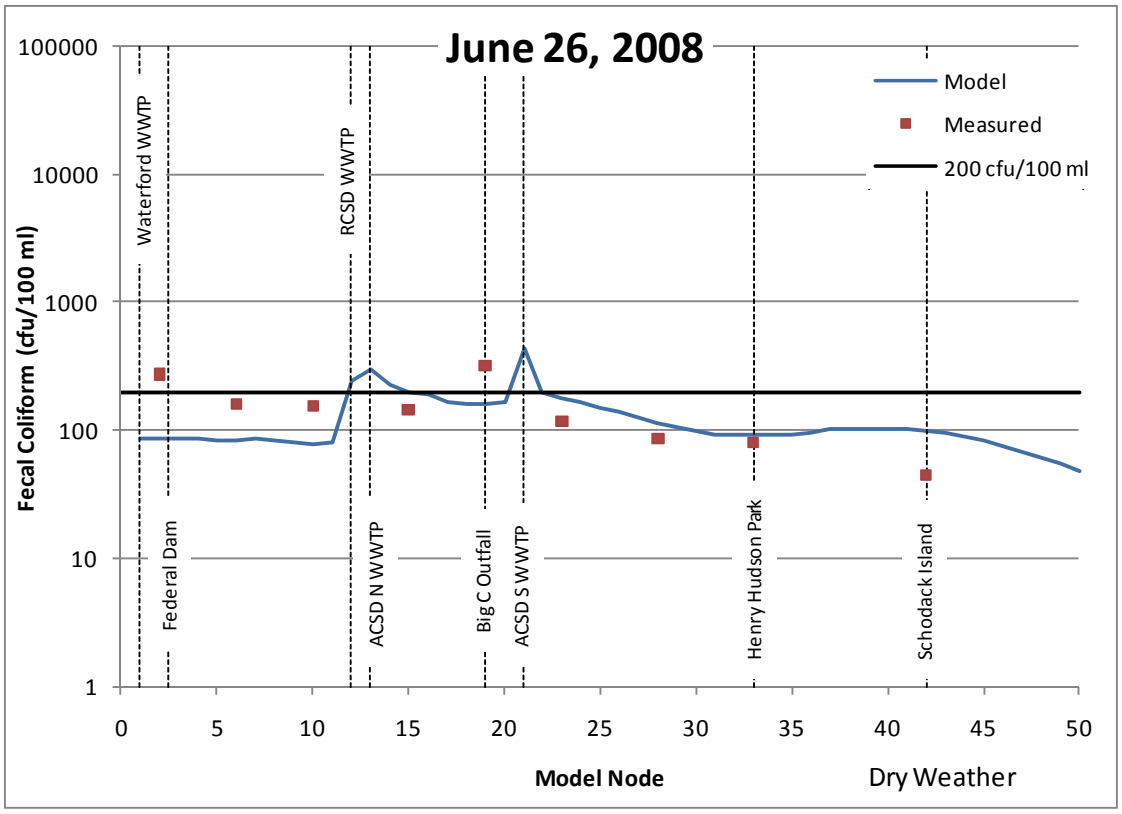
- The water quality conditions of the headwaters of the Hudson River, as assumed under **Scenario 2A** are believed to be achievable since WWTPs upstream of the Federal Dam have either completed or are in the midst of performing projects to disinfect their effluent discharges to the Hudson River. The improvements to water quality conditions of Patroon Creek are believed to be achievable due to ongoing efforts by the City of Albany to identify and eliminate possible illicit sewer connections and are substantiated by sampling performed in 2009.

- The results of **Scenario 2A** (no exceedances during the recreation season over the 5-yr model simulation) indicate CSOs do not preclude the attainment of water quality standards upon implementation of seasonal disinfection of WWTPs, improvements to the headwaters and Patroon Creek associated with completed and ongoing projects.

- Improvements to continuous sources of bacteria contributions to the Hudson River, such as WWTPs, tributaries and the headwaters, provide more effective bacteria based water quality improvements in comparison to improvements to intermittent wet weather based CSO discharges.

- Use of the demonstrative approach should be considered for evaluating CSO controls. The focus of the CSO alternatives analysis will be on best management practices, WWTP hydraulic and disinfection upgrades, floatables control and improvements to select sewersheds where CSO controls provide cost-effective bacteria based water quality improvements in areas where primary contact recreation is envisioned.

Appendix A. Daily Bacteria Profiles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10000
1000
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10
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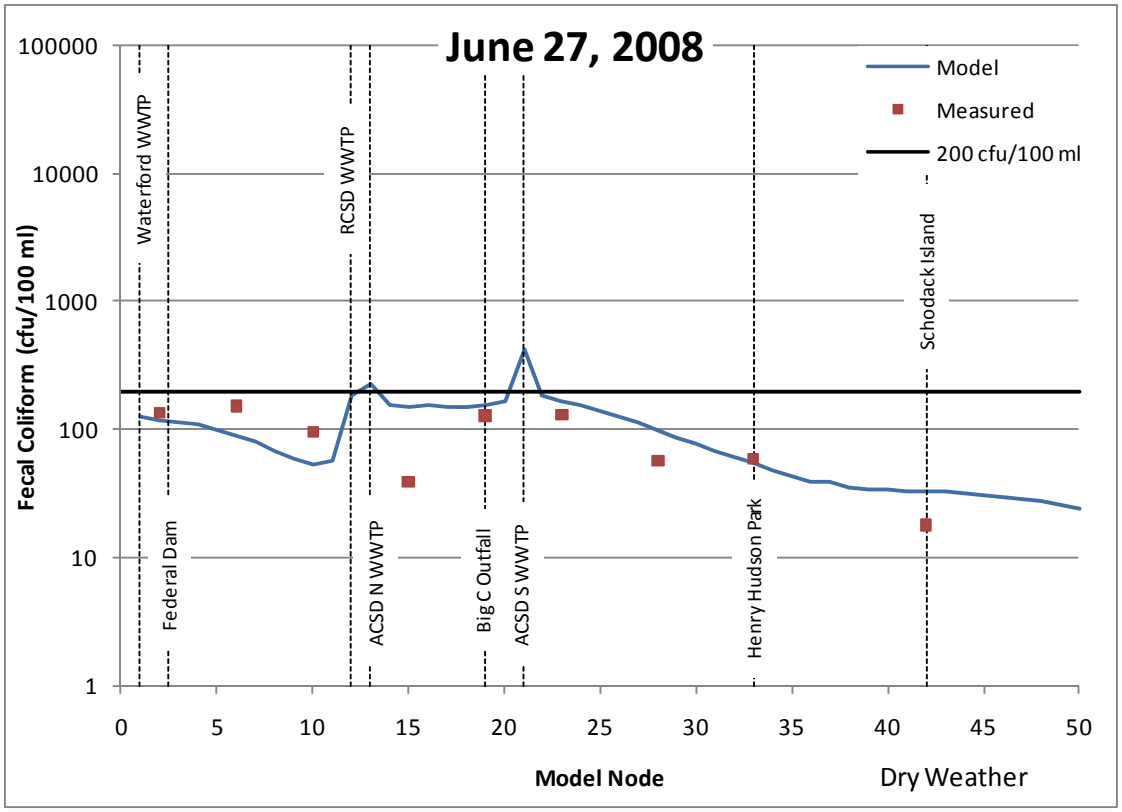
Federal Dam
RCSD WWTP
ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
0
5
10
15
20
25
30
35
40
45
50
Model Node
Dry Weather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ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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35
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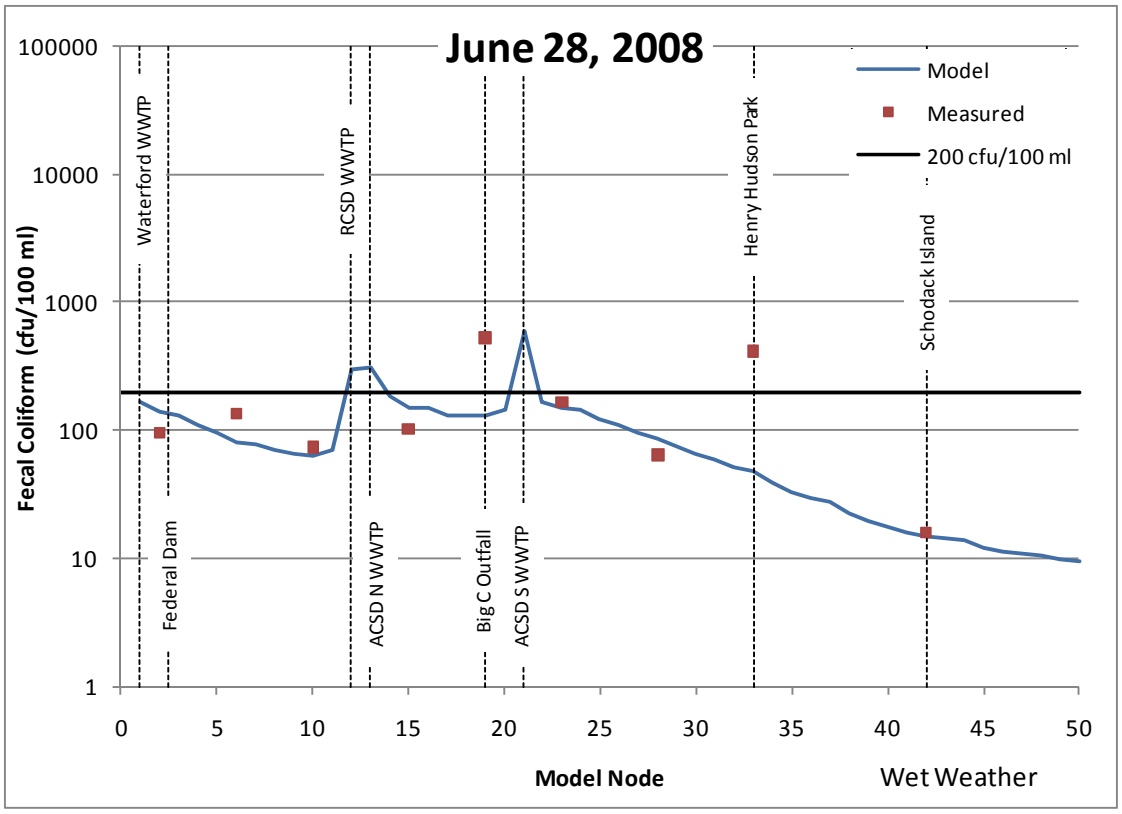
Model Node
Dry Weather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Federal Dam
RCSD WWTP
ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
0
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10
15
20
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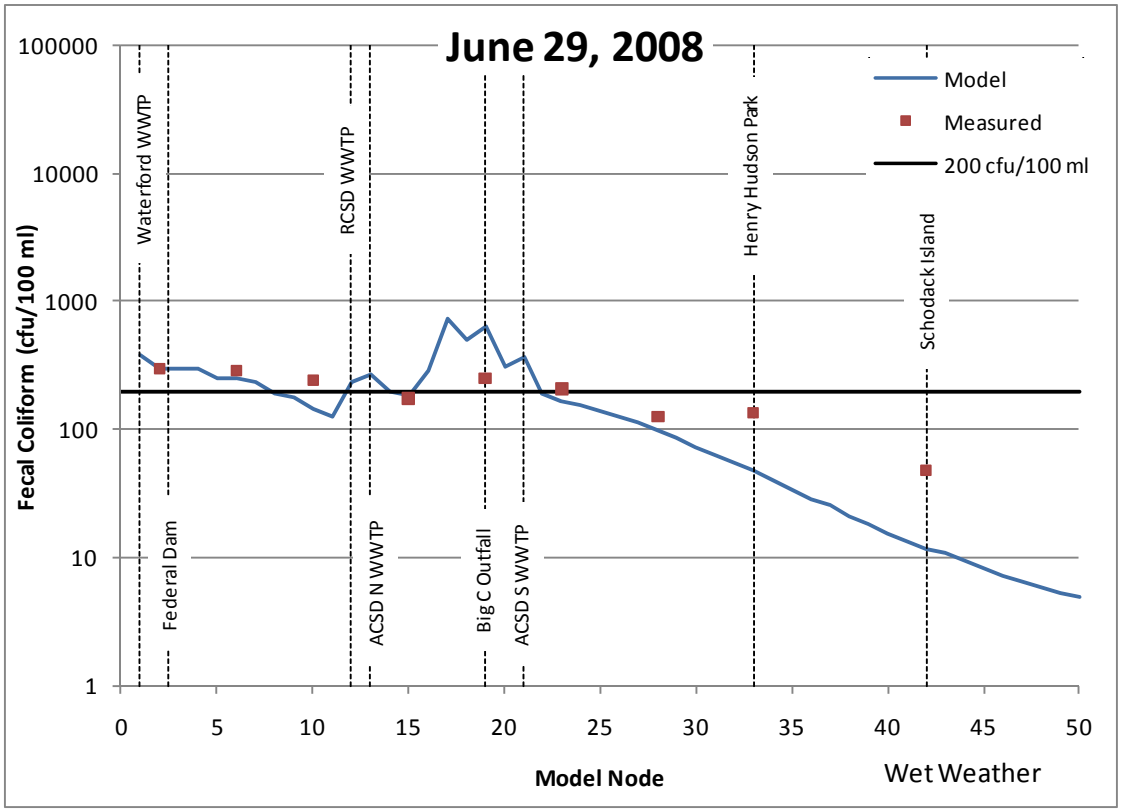
30
35
40
45
50
Model Node
Wet Weather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ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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45
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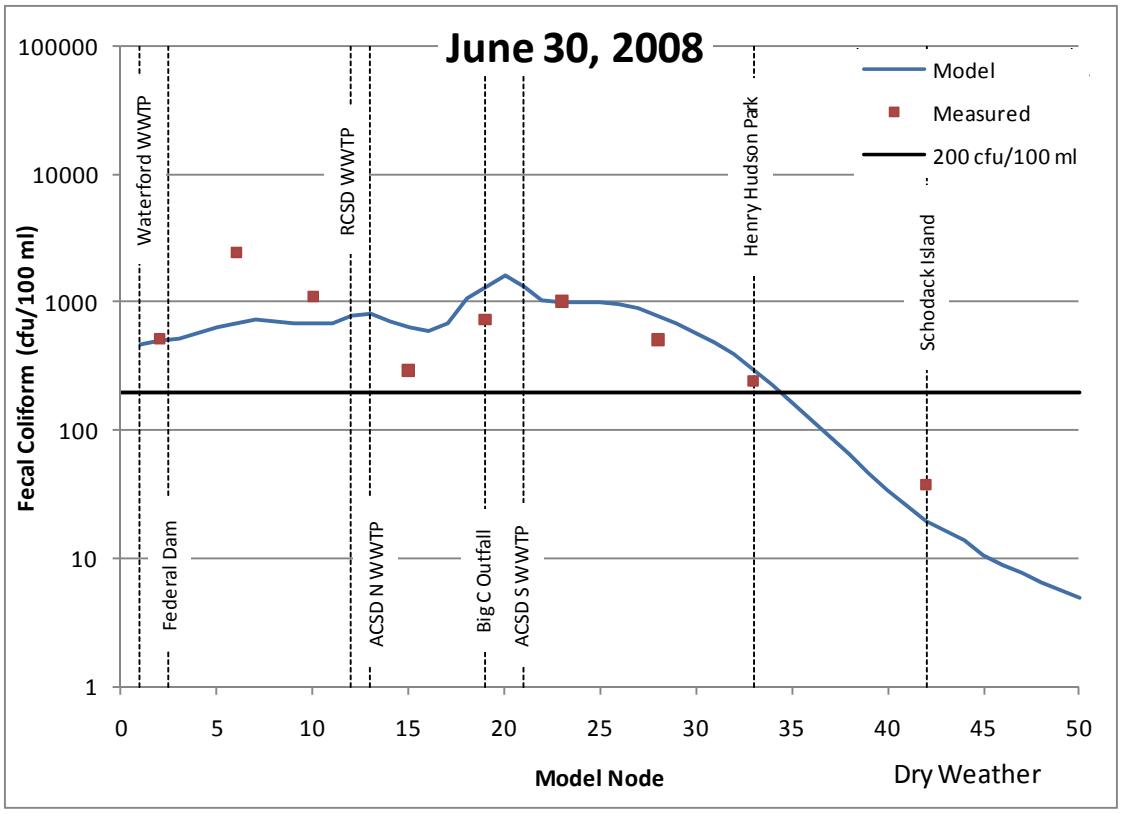
Model Node
Wet Weather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Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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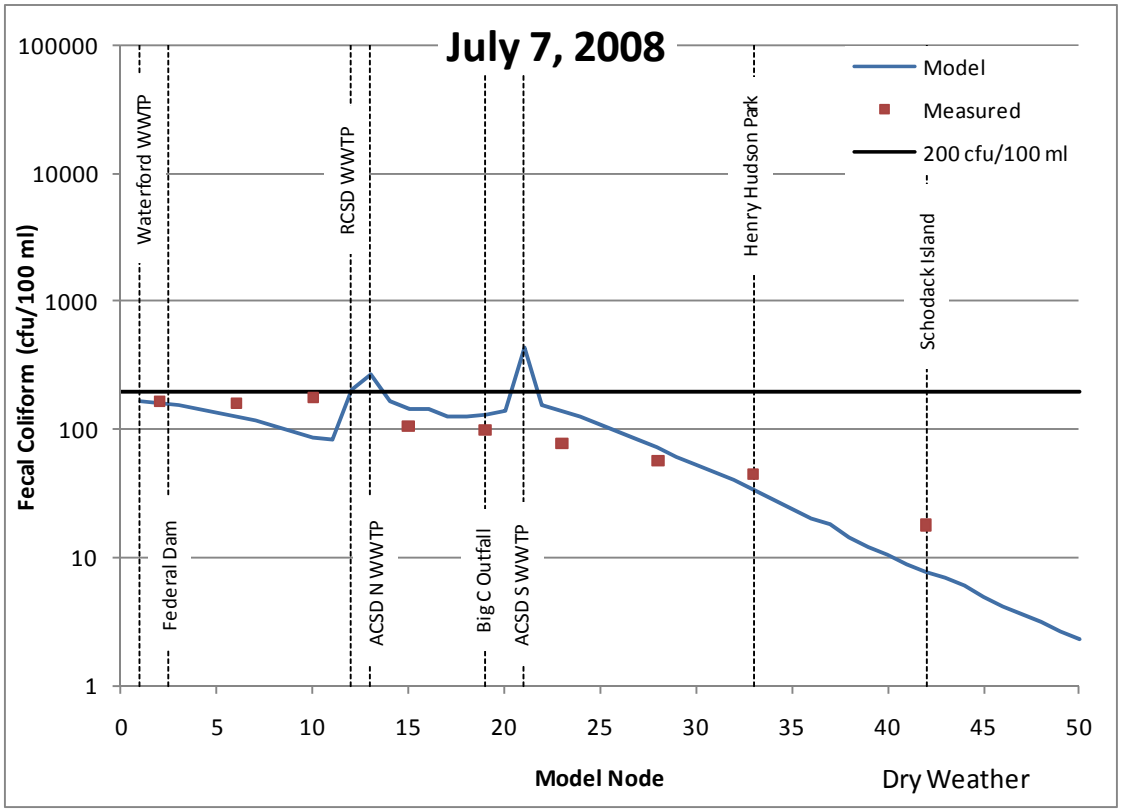
Model Node
Dry Weather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Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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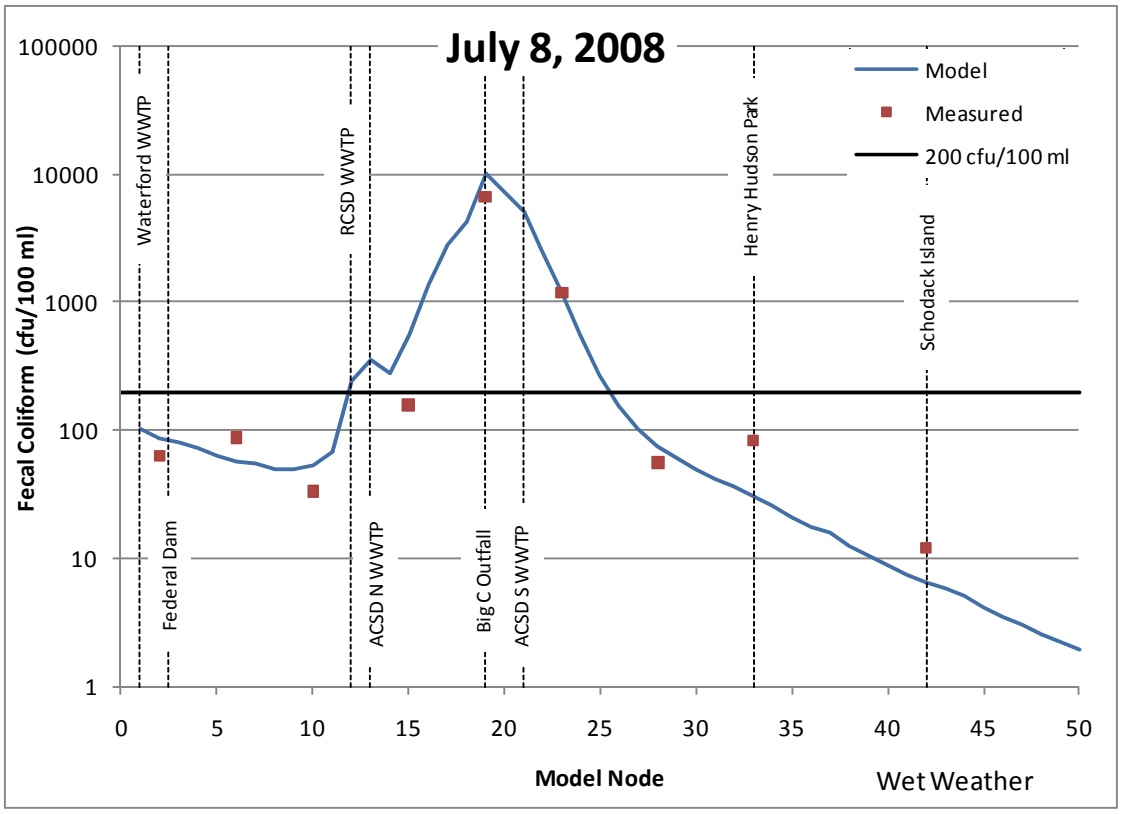
Model Node
Dry Weather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ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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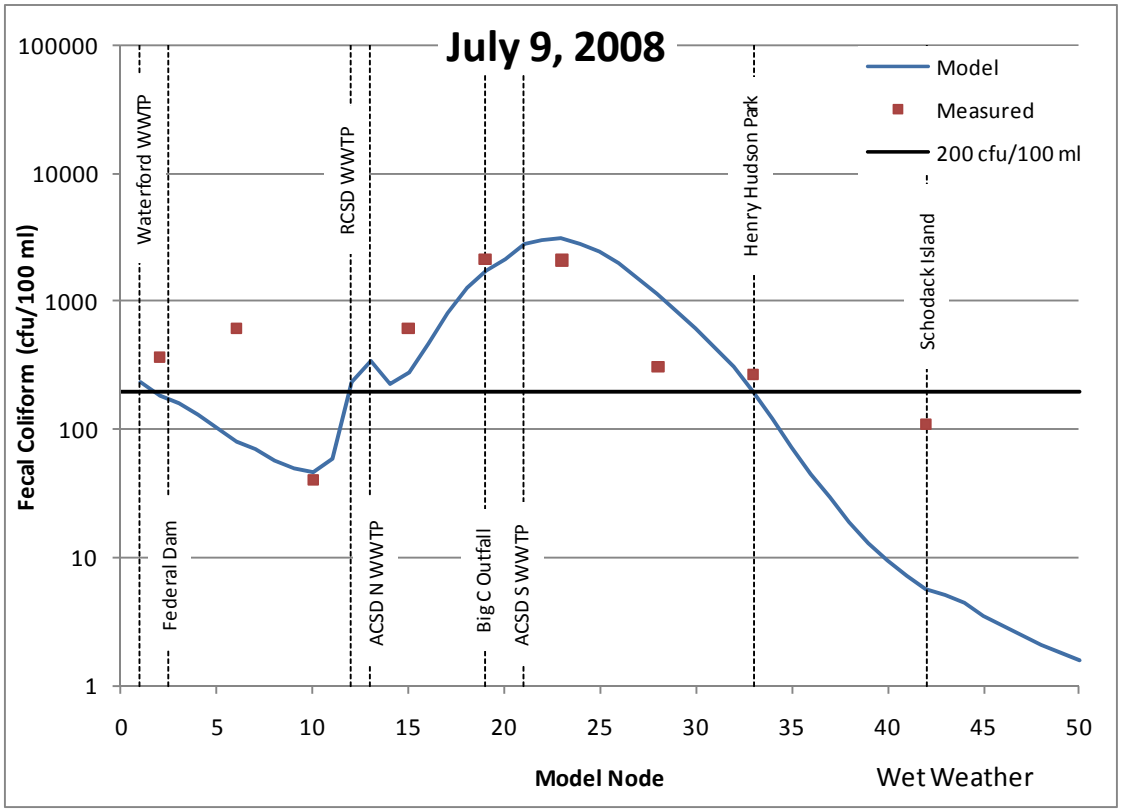
Model Node
Wet Weather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ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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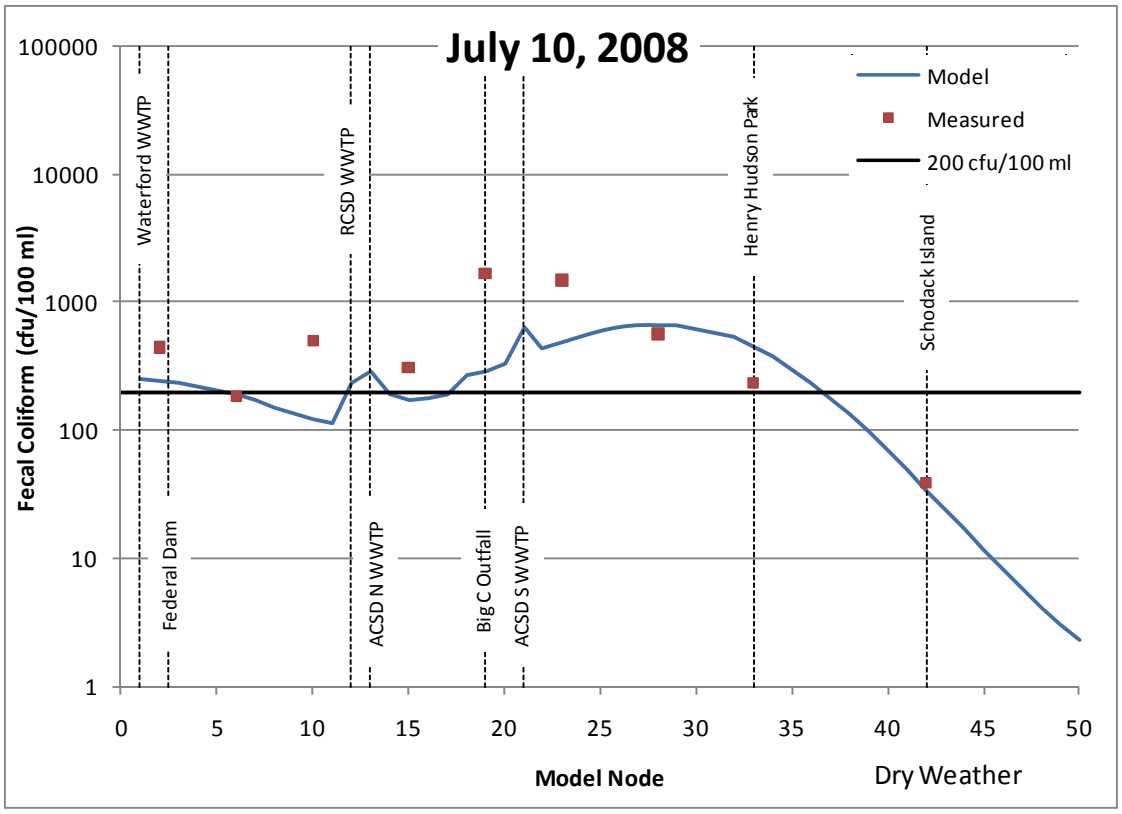
Model Node
Wet Weather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Big C Outfall
ACSD S WWTP
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Schodack Island
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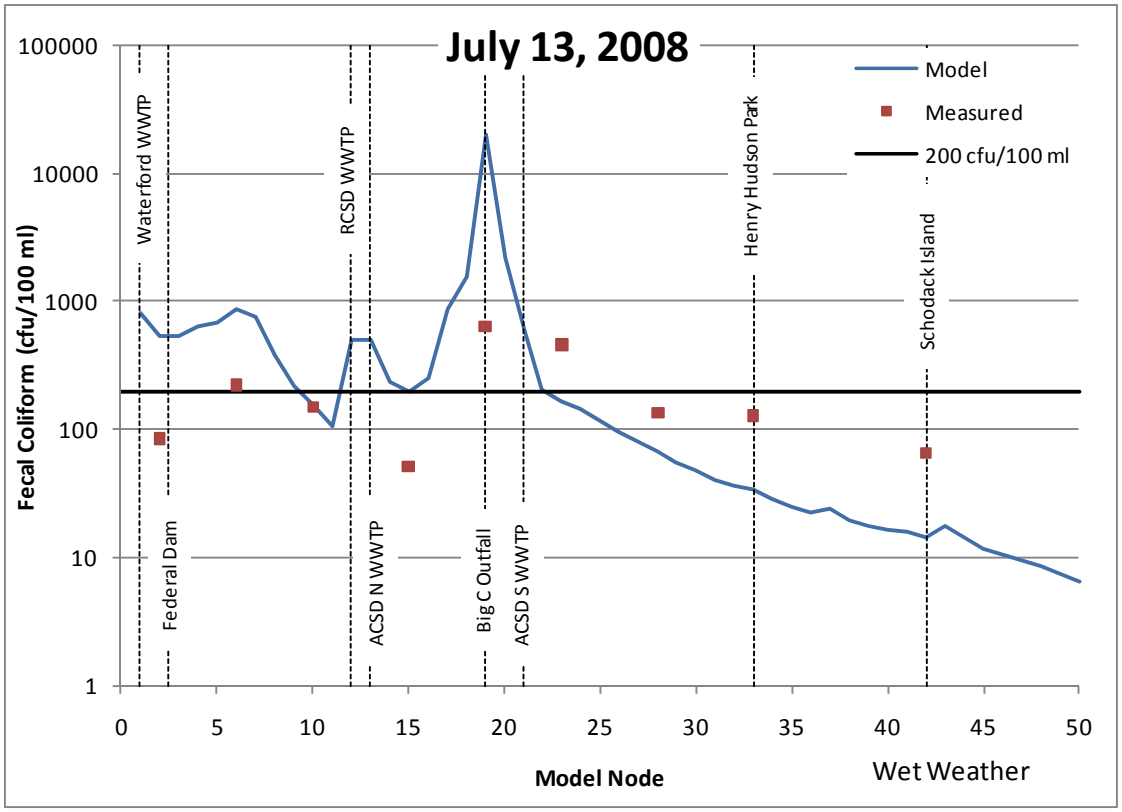
Model Node
Dry Weather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ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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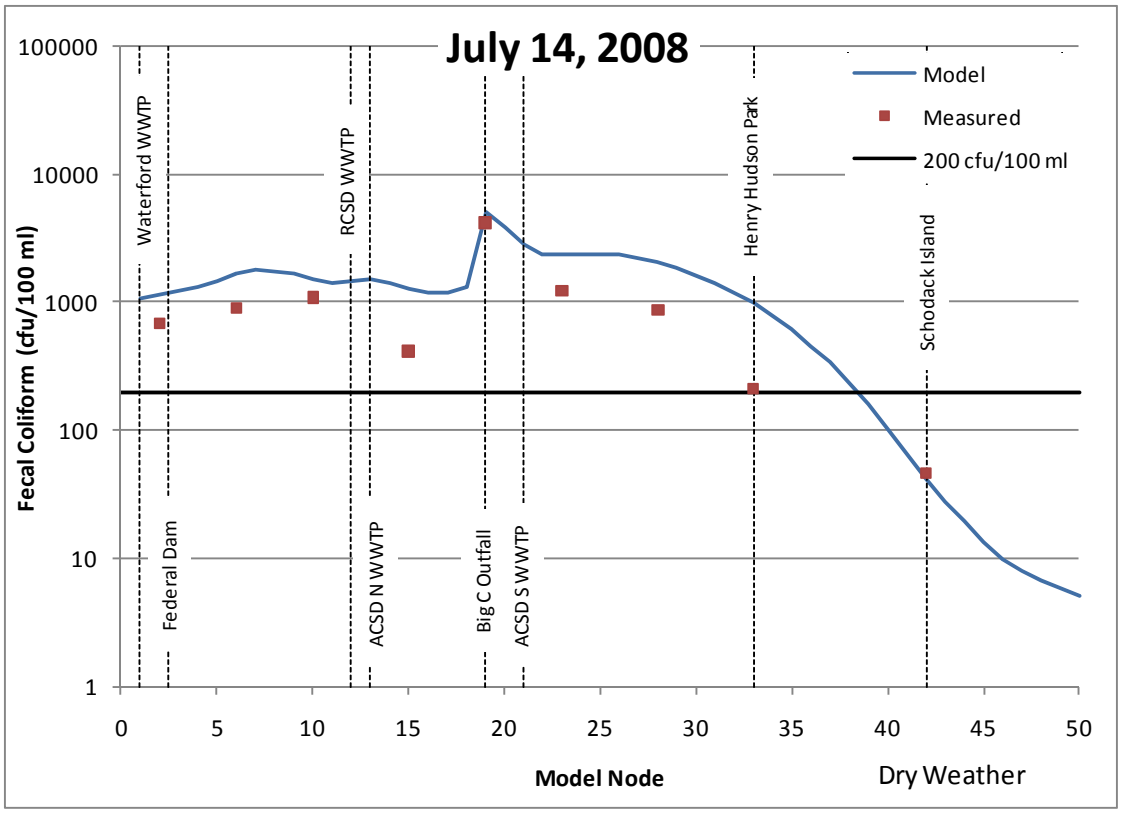
45
50
Model Node
Wet Weather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ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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45
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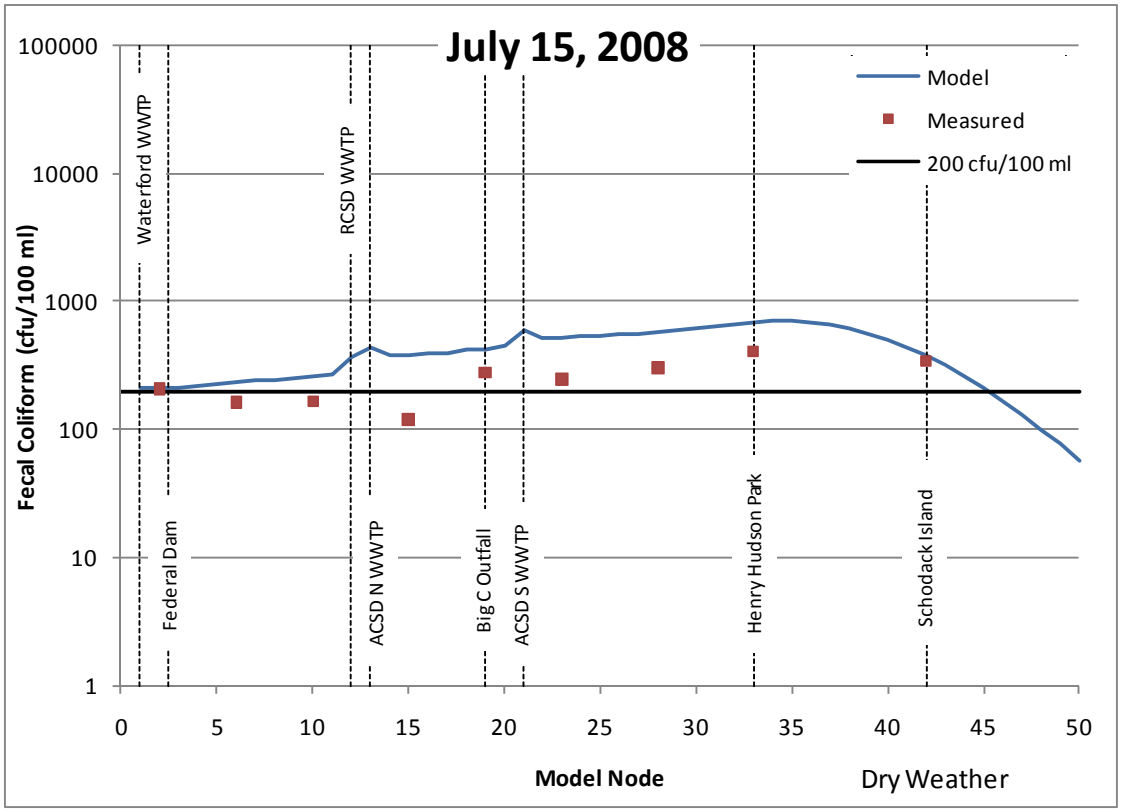
Model Node
Dry Weather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10000
1000
100
10
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ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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10
15
20
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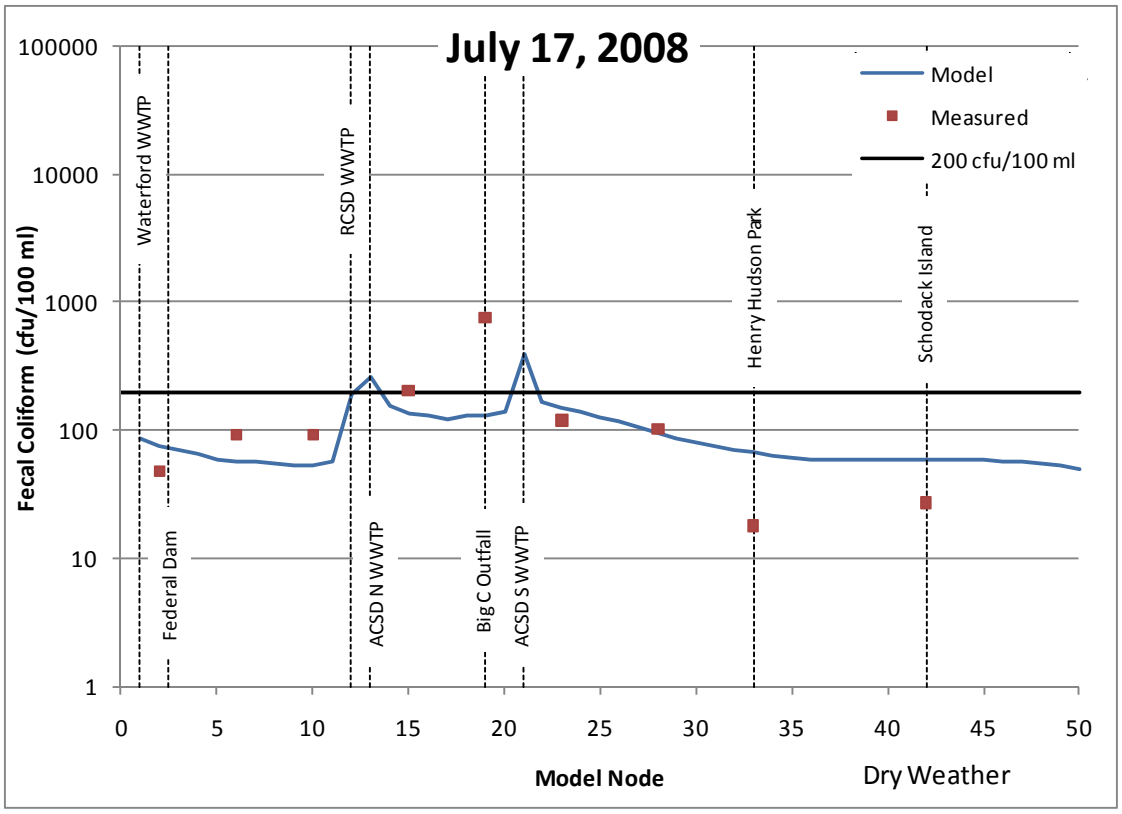
45
50
Model Node
Dry Weather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10000
1000
100
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ACSD N WWTP
Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
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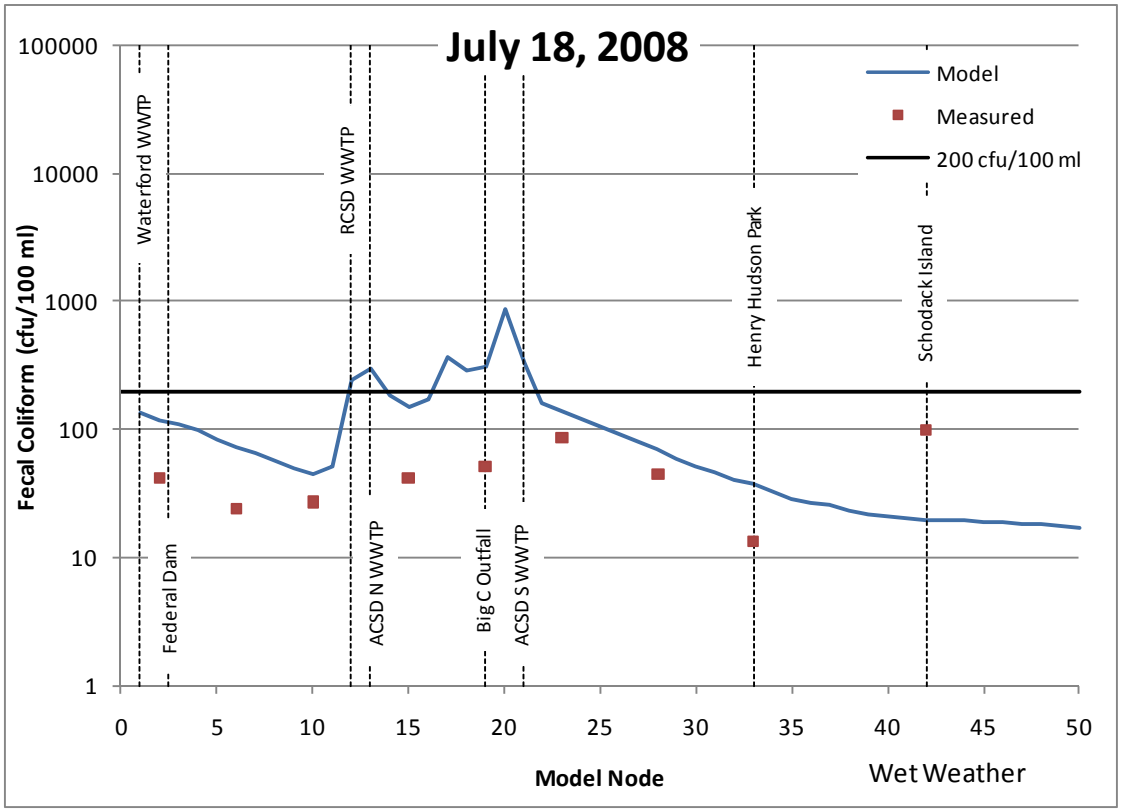
Model Node
Dry Weather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Big C Outfall
ACSD S WWTP
Henry Hudson Park
Schodack Island
0
5
10
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25
30
35
40
45
50
Model Node
Wet Weather

Appendix B. Monthly Geomean Values Using Noon Values and Daily Average Values

Table B-1. Baseline (2008) Monthly Geomeans Using Noon Values and Daily Average Values

Monthly Geomeans Using Values at Noon

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	85	121	77	131	250
June	124	147	138	96	119
July	101	122	126	138	97
August	159	144	126	180	100
September	262	149	394	128	210
October	226	134	237	232	202
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	73	109	62	124	246
June	117	145	123	66	121
July	72	124	99	107	93
August	120	137	106	134	89
September	195	134	372	97	172
October	198	125	229	183	188
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	62	98	56	130	229
June	96	165	102	54	129
July	64	115	81	98	91
August	97	131	86	111	84
September	140	98	340	87	154
October	166	113	211	145	165
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	227	239	234	272	346
June	343	300	313	252	250
July	256	276	253	333	273
August	296	247	295	333	233
September	348	238	453	243	311
October	305	240	366	304	323
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	236	259	216	303	465
June	403	313	341	220	282
July	225	379	244	291	318
August	286	271	322	336	257
September	333	276	581	225	310
October	337	237	396	272	375
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	241	278	228	314	417
June	360	385	325	215	372
July	235	360	264	306	404
August	287	332	300	342	284
September	289	260	525	218	300
October	320	273	436	266	364
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	157	176	132	223	375
June	194	281	194	108	299
July	116	245	161	152	305
August	124	271	178	178	169
September	162	163	346	136	198
October	189	197	356	145	278
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	88	112	70	157	337
June	89	214	106	49	254
July	48	146	86	65	186
August	45	208	83	72	88
September	83	91	230	72	107
October	118	144	282	70	202
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	25	43	17	70	216
June	18	119	27	9	159
July	8	46	21	12	63
August	7	90	15	12	24
September	20	24	103	17	27
October	38	60	154	14	87

Monthly Geomeans Using Daily Average

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	90	134	91	140	250
June	145	175	153	106	153
July	122	163	143	170	137
August	178	177	159	208	115
September	264	147	396	145	233
October	220	146	228	239	213
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	86	129	79	151	284
June	141	185	153	76	182
July	98	176	123	142	151
August	143	181	152	179	105
September	204	131	397	132	209
October	195	143	238	192	223
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	73	102	69	136	280
June	125	182	132	66	183
July	81	157	113	124	139
August	109	169	109	142	88
September	170	108	340	105	167
October	173	129	218	142	194
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	245	276	251	287	395
June	370	335	324	268	318
July	287	340	285	355	341
August	306	310	306	366	261
September	379	277	482	270	337
October	333	271	393	319	368
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	277	331	276	372	610
June	510	452	400	276	462
July	301	486	330	407	590
August	359	371	451	474	320
September	381	291	659	310	387
October	331	292	457	288	478
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	262	293	246	317	505
June	409	407	359	231	471
July	243	434	320	331	486
August	280	397	347	355	280
September	308	271	537	253	342
October	330	310	468	258	441
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	159	198	131	232	419
June	208	319	204	105	368
July	109	274	168	154	332
August	115	295	173	162	164
September	169	166	378	136	200
October	202	223	382	142	318
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	93	123	69	165	348
June	97	250	107	47	301
July	48	159	86	64	205
August	44	215	78	68	86
September	86	90	263	70	107
October	119	151	296	68	220
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	27	43	17	70	223
June	19	128	26	9	167
July	8	49	22	11	63
August	6	99	14	11	23
September	19	23	107	17	26
October	37	63	152	14	91

Table B-2. Scenario 1 Monthly Geomeans Using Noon Values and Daily Average Values

Monthly Geomeans Using Values at Noon

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	47	75	37	95	213
June	59	113	81	37	92
July	36	74	64	61	51
August	65	107	58	79	53
September	177	93	342	79	138
October	170	104	195	169	156
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	41	68	31	90	210
June	59	112	75	26	96
July	28	77	51	50	50
August	53	104	51	61	49
September	131	84	325	60	114
October	149	97	189	133	145
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	38	64	31	100	204
June	53	136	63	22	106
July	27	74	44	44	52
August	45	100	42	52	46
September	93	61	299	52	99
October	127	87	176	103	130
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	28	49	25	81	171
June	41	106	52	17	91
July	21	55	35	35	51
August	30	85	36	36	32
September	61	42	201	42	68
October	99	72	149	58	104
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	42	70	33	123	319
June	71	147	72	22	142
July	25	98	42	38	82
August	44	102	55	52	46
September	72	55	281	41	67
October	120	74	189	51	153
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	33	62	31	102	238
June	53	150	62	18	161
July	23	69	36	36	87
August	40	107	42	43	42
September	48	39	225	35	50
October	98	69	181	36	126
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	25	44	21	82	237
June	31	116	42	11	143
July	14	51	26	20	85
August	21	99	31	27	29
September	30	27	147	25	34
October	58	48	154	18	96
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	22	36	18	71	234
June	23	103	32	10	130
July	10	39	21	15	69
August	12	86	24	16	20
September	23	19	114	20	24
October	45	41	134	10	80
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	11	19	8	39	170
June	9	70	11	4	99
July	4	18	8	5	34
August	4	48	7	5	9
September	9	7	65	7	9
October	19	20	84	3	42

Monthly Geomeans Using Daily Average

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	51	87	47	103	217
June	73	137	93	43	124
July	50	105	73	81	80
August	80	135	81	98	64
September	177	94	346	93	159
October	165	115	189	177	165
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	51	84	43	113	249
June	75	146	98	32	149
July	44	114	66	71	92
August	70	139	82	89	60
September	140	86	348	88	144
October	149	113	198	144	174
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	45	68	39	106	253
June	67	151	85	26	156
July	37	105	63	53	89
August	49	132	57	62	49
September	105	71	299	69	113
October	136	103	185	101	157
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	33	60	29	92	219
June	49	127	58	19	133
July	27	77	42	40	71
August	36	107	39	49	36
September	71	47	217	49	70
October	105	81	163	59	125
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	57	102	51	164	432
June	101	220	108	30	264
July	45	134	67	67	191
August	70	150	96	84	64
September	85	62	343	73	93
October	122	99	235	54	210
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	43	69	37	113	318
June	72	167	85	21	235
July	30	101	54	43	136
August	44	138	65	51	44
September	57	50	244	48	65
October	102	86	206	34	162
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	28	51	23	88	280
June	43	141	52	12	193
July	14	69	30	22	113
August	22	115	37	26	30
September	34	31	176	28	39
October	66	63	175	18	117
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	26	42	20	78	250
June	33	131	36	10	174
July	13	54	22	16	91
August	14	101	25	17	23
September	27	21	146	19	26
October	46	47	149	11	94
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	12	20	8	39	176
June	10	76	11	4	107
July	4	21	9	5	38
August	3	57	6	5	10
September	9	7	69	7	9
October	18	22	85	3	46

Table B-3. Scenario 2 Monthly Geomeans Using Noon Values and Daily Average Values

Monthly Geomeans Using Values at Noon

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	47	51	37	58	83
June	58	60	55	37	57
July	34	59	42	42	50
August	45	50	48	53	41
September	65	57	99	42	56
October	66	52	86	57	73
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	41	48	31	57	83
June	58	60	52	26	60
July	26	63	33	37	49
August	39	49	43	42	40
September	50	52	100	33	51
October	60	49	87	47	71
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	35	44	28	58	77
June	49	66	43	20	63
July	24	59	28	31	49
August	31	48	36	35	38
September	37	38	98	27	46
October	49	44	82	37	62
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	25	29	19	42	66
June	36	53	35	12	54
July	16	43	22	21	45
August	20	42	29	23	25
September	24	26	64	19	29
October	34	36	71	23	49
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	28	30	16	49	102
June	49	57	41	10	63
July	14	66	20	18	58
August	23	48	41	26	31
September	26	32	89	17	30
October	39	37	81	19	64
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	22	27	16	39	80
June	38	61	37	8	74
July	14	46	19	20	61
August	26	51	32	25	28
September	20	22	80	15	23
October	33	37	81	15	55
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	18	19	11	34	86
June	22	50	28	6	68
July	9	34	16	13	64
August	15	49	25	18	19
September	13	17	51	11	16
October	20	25	71	8	41
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	14	16	10	28	88
June	15	40	20	5	59
July	6	23	12	8	52
August	8	43	18	10	13
September	10	11	43	9	12
October	16	20	58	4	34
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	6	8	4	15	62
June	5	28	7	2	46
July	2	9	5	3	24
August	2	25	4	3	5
September	4	4	23	3	4
October	7	10	36	1	18

Monthly Geomeans Using Daily Average

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	51	60	47	64	92
June	73	76	66	43	82
July	48	86	52	59	79
August	57	72	69	69	53
September	69	57	109	51	72
October	65	60	88	61	84
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	51	61	42	72	113
June	74	85	72	31	102
July	42	95	49	53	91
August	51	77	72	64	51
September	58	53	117	49	72
October	60	62	98	51	93
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	42	46	35	61	109
June	62	79	61	23	100
July	32	83	45	39	85
August	35	74	49	43	40
September	45	44	102	36	54
October	54	55	89	36	81
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	28	37	22	50	92
June	41	65	39	13	82
July	20	58	26	25	63
August	22	57	32	31	28
September	30	30	76	24	33
October	40	44	78	23	65
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	41	49	27	73	169
June	73	103	71	14	136
July	29	89	38	36	146
August	42	78	75	49	44
September	36	38	123	33	46
October	42	55	109	21	102
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	30	32	21	50	123
June	53	76	59	11	123
July	20	68	32	26	104
August	31	72	53	33	30
September	25	31	94	23	33
October	36	48	96	14	78
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	21	24	13	41	112
June	32	67	37	6	100
July	10	47	19	14	91
August	17	60	31	18	21
September	16	20	72	13	20
October	24	35	81	8	57
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	17	19	10	33	96
June	21	59	24	5	86
July	8	32	13	9	68
August	9	53	18	11	15
September	13	12	61	9	13
October	17	24	68	5	43
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	7	9	4	15	67
June	6	34	7	2	54
July	2	12	5	3	29
August	2	31	4	3	6
September	5	4	29	3	4
October	7	11	39	1	20

Table B-3A. Scenario 2A Monthly Geomeans Using Noon Values and Daily Average Values (cfu/100 ml)

Monthly Geomeans Using Values at Noon

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	47	51	37	58	83
June	58	60	55	37	57
July	34	59	42	42	50
August	45	50	48	53	41
September	65	57	99	42	56
October	66	52	86	57	73
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	41	48	31	57	83
June	59	60	52	26	60
July	27	63	33	38	49
August	39	49	44	42	40
September	50	52	100	33	51
October	60	49	87	47	71
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	38	47	31	66	86
June	53	75	45	22	70
July	27	62	30	34	51
August	34	49	37	37	39
September	39	39	103	29	48
October	53	44	85	38	68
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	27	31	21	49	73
June	39	59	37	14	60
July	18	45	24	23	47
August	21	43	30	25	26
September	25	27	68	20	31
October	37	37	74	23	52
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	33	35	21	60	120
June	56	70	46	12	78
July	17	71	23	22	64
August	27	51	43	29	33
September	29	33	99	20	33
October	46	39	87	20	73
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	26	32	21	49	93
June	44	73	41	11	91
July	17	50	21	24	66
August	29	55	34	28	30
September	22	24	89	17	25
October	39	38	86	16	62
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	21	23	15	43	104
June	26	61	31	8	87
July	11	37	18	15	71
August	17	53	27	20	21
September	16	18	61	13	18
October	25	26	76	9	48
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	20	21	16	42	115
June	21	59	26	8	86
July	9	30	16	13	62
August	11	48	22	13	16
September	15	14	57	12	15
October	22	23	68	5	45
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	10	13	7	24	87
June	9	43	10	4	69
July	4	14	7	5	32
August	3	30	6	5	8
September	7	5	36	5	6
October	11	11	45	2	26

Monthly Geomeans Using Daily Average

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	51	60	47	64	92
June	73	76	66	43	82
July	48	86	52	59	79
August	57	72	69	69	53
September	69	57	109	51	72
October	65	60	88	61	84
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	51	61	43	72	113
June	74	85	72	32	102
July	42	95	49	53	91
August	52	77	72	64	51
September	59	53	117	49	72
October	60	62	98	51	93
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	45	50	39	69	121
June	67	88	63	26	110
July	36	87	47	42	88
August	38	76	50	46	42
September	48	45	109	38	57
October	58	56	92	37	87
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	30	40	25	55	101
June	44	71	40	14	90
July	22	60	27	28	65
August	24	59	33	32	29
September	31	30	80	25	35
October	42	45	80	23	69
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	46	56	34	85	195
June	83	121	75	18	159
July	34	97	42	42	155
August	47	81	79	53	47
September	40	39	137	36	50
October	48	56	115	22	112
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	34	37	26	58	143
June	61	88	62	14	143
July	24	73	36	30	111
August	34	76	55	36	32
September	28	32	103	25	36
October	41	50	101	15	87
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	24	29	17	49	133
June	38	78	40	8	122
July	12	51	21	17	98
August	19	65	32	20	22
September	18	21	81	15	22
October	28	36	88	9	65
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	24	27	17	48	127
June	31	79	30	9	118
July	12	42	18	14	83
August	13	61	23	15	19
September	18	15	79	12	17
October	24	27	79	6	57
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	11	14	7	24	93
June	10	49	10	4	76
July	4	16	8	5	36
August	3	37	6	5	8
September	7	5	40	5	6
October	11	13	48	2	29

Table B-4. Scenario 3 Monthly Geomeans Using Noon Values and Daily Average Values

Monthly Geomeans Using Values at Noon

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	38	70	35	80	163
June	42	102	69	35	88
July	36	60	61	60	46
August	59	104	48	74	51
September	163	85	328	78	135
October	156	99	167	166	132
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	31	59	28	70	154
June	34	97	56	25	87
July	26	52	45	42	46
August	38	95	35	53	41
September	114	68	306	58	107
October	127	89	153	125	115
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	32	56	27	75	172
June	32	113	49	21	89
July	23	53	35	34	44
August	27	87	26	41	33
September	86	53	259	47	84
October	106	77	143	92	110
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	23	43	21	60	147
June	24	86	36	15	70
July	16	38	25	25	35
August	16	67	17	27	22
September	53	31	173	33	55
October	84	63	118	52	91
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	27	53	28	80	210
June	31	119	41	19	114
July	18	53	27	25	51
August	20	78	15	35	24
September	46	30	246	29	43
October	95	57	133	42	103
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	23	47	24	68	189
June	24	112	32	15	112
July	14	43	21	21	55
August	13	72	12	27	18
September	33	22	161	22	35
October	74	48	120	29	88
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	16	34	16	52	166
June	14	90	18	9	91
July	7	29	14	11	43
August	6	59	7	15	11
September	20	12	107	14	21
October	45	32	106	14	72
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	15	29	14	51	155
June	13	81	14	8	89
July	5	25	13	9	33
August	4	53	6	10	9
September	15	8	80	10	14
October	36	26	95	8	58
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	7	16	6	29	109
June	6	54	6	3	68
July	2	12	6	4	18
August	2	29	2	3	4
September	6	4	45	4	6
October	16	12	56	3	31

Monthly Geomeans Using Daily Average

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	42	74	40	81	169
June	52	111	70	40	101
July	42	80	65	70	61
August	59	118	52	79	53
September	171	81	321	79	137
October	148	99	163	166	137
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	36	64	34	72	170
June	45	109	59	29	112
July	31	81	53	53	61
August	39	116	41	66	44
September	130	64	309	64	108
October	125	95	152	125	136
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	33	58	32	75	181
June	39	118	52	23	116
July	25	74	45	41	55
August	27	106	27	44	36
September	95	51	259	51	84
October	114	85	146	91	123
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	25	48	24	62	159
June	28	100	37	17	96
July	19	52	30	28	45
August	18	82	16	34	23
September	59	33	187	33	53
October	87	65	128	53	101
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	32	67	36	83	226
June	41	137	44	24	174
July	22	78	37	33	88
August	19	101	18	49	26
September	59	29	261	34	47
October	93	58	147	42	136
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	24	52	28	68	196
June	30	118	33	18	149
July	13	56	29	24	64
August	12	88	12	29	19
September	38	21	176	24	36
October	75	47	133	27	107
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	17	37	17	52	172
June	18	99	21	9	122
July	7	38	16	12	50
August	6	68	6	15	12
September	22	13	121	14	20
October	47	34	117	14	82
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	17	31	16	52	165
June	18	97	16	8	111
July	7	33	14	10	43
August	5	59	6	10	10
September	18	10	101	11	15
October	37	26	103	9	68
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	8	16	6	29	114
June	6	58	6	3	70
July	2	13	6	3	19
August	2	34	2	3	5
September	6	4	47	4	5
October	15	12	58	3	32

Table B-5. Scenario 4 Monthly Geomeans Using Noon Values and Daily Average Values

Monthly Geomeans Using Values at Noon

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	71	115	73	111	194
June	93	135	121	90	113
July	100	101	122	136	90
August	147	141	106	171	97
September	243	139	378	127	207
October	210	128	206	228	173
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	58	96	56	98	184
June	74	127	98	64	111
July	69	87	90	94	86
August	93	128	77	121	77
September	172	112	351	94	162
October	171	116	187	173	151
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	55	86	50	99	196
June	65	139	83	52	109
July	57	85	73	83	79
August	65	116	62	91	63
September	130	88	296	79	132
October	150	99	173	134	141
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	207	226	222	239	317
June	291	272	276	241	217
July	241	246	229	301	224
August	260	223	236	296	207
September	331	222	418	227	279
October	291	226	334	293	299
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	188	216	203	233	337
June	288	280	267	209	249
July	209	256	210	251	262
August	228	235	207	289	211
September	263	228	536	206	250
October	308	202	318	254	285
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	216	232	211	252	363
June	278	317	263	203	302
July	210	287	222	244	332
August	201	272	215	282	215
September	257	228	433	196	255
October	279	224	356	245	302
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	131	154	122	177	299
June	148	242	149	100	230
July	100	185	132	117	221
August	86	216	115	137	128
September	142	135	299	114	154
October	171	164	297	131	235
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	72	99	64	131	256
June	68	181	80	44	201
July	41	114	71	51	126
August	32	165	51	55	67
September	70	75	195	58	80
October	105	115	237	65	164
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	20	37	15	58	160
June	14	99	20	8	121
July	7	35	17	9	43
August	5	68	9	9	17
September	16	20	86	14	21
October	34	46	122	13	71

Monthly Geomeans Using Daily Average

RT4 Upstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	76	119	81	114	201
June	110	146	123	100	128
July	109	130	131	154	110
August	144	158	112	176	99
September	256	133	370	129	207
October	200	129	201	227	180
RT5 Downstream of Federal Dam					
	1985	*1986*	*1987*	*1988*	*1989*
May	65	102	66	101	200
June	93	141	102	71	140
July	78	129	104	114	106
August	94	154	86	140	81
September	192	106	353	102	163
October	168	122	187	172	176
RT6 Route 378 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	56	90	59	100	204
June	81	146	90	59	139
July	64	115	89	103	92
August	74	139	64	108	68
September	156	86	295	83	130
October	149	108	175	131	155
RT7 I-90 Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	223	251	237	247	337
June	317	297	284	256	264
July	268	288	260	316	284
August	266	271	255	315	231
September	358	258	441	247	304
October	312	244	354	307	329
RT8 Dunn Memorial Bridge					
	1985	*1986*	*1987*	*1988*	*1989*
May	215	261	239	244	377
June	357	321	288	239	343
July	242	345	263	287	387
August	226	294	237	367	226
September	331	228	552	231	262
October	295	213	351	262	356
RT9 Albany Port					
	1985	*1986*	*1987*	*1988*	*1989*
May	212	249	224	247	377
June	300	330	267	211	351
July	203	318	255	260	346
August	196	312	211	282	214
September	274	227	454	205	252
October	290	232	382	237	349
RT10 East Greenbush/Schodack					
	1985	*1986*	*1987*	*1988*	*1989*
May	131	165	119	177	310
June	153	255	154	96	273
July	92	201	134	117	228
August	78	229	104	127	122
September	146	139	315	111	147
October	176	167	311	130	258
B18 Henry Hudson Park in Selkirk, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	75	102	63	130	264
June	73	202	79	42	221
July	40	117	69	49	138
August	30	164	47	53	63
September	72	74	218	57	80
October	106	114	242	62	179
B17 Schodack Island in Schodack Landing, NY (shore)					
	1985	*1986*	*1987*	*1988*	*1989*
May	21	37	15	57	164
June	14	104	19	8	123
July	7	36	18	8	43
August	5	73	8	9	16
September	15	19	86	13	20
October	33	46	122	13	73

Appendix C. Rolling 30-Day Geomean Values Using Noon Values and Daily Average Values - Baseline

Table C-1A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	85.4	123.6	99.9	156.8	262.4	234.2	123.6	147.5	114.5	148.0	148.8	135.1	76.5	137.6	127.2	121.9	394.0	230.5
2	85.5	123.1	101.6	158.2	273.6	-	123.6	149.0	124.5	139.0	160.0	-	76.7	137.4	129.0	126.9	378.7	-
3	85.9	123.0	104.4	156.4	282.0	-	122.6	154.5	119.5	129.0	170.4	-	76.9	127.1	124.5	132.6	360.6	-
4	85.8	123.5	105.8	156.4	280.8	-	130.4	154.7	129.3	120.3	183.2	-	86.6	135.4	117.9	132.8	368.6	-
5	85.3	124.3	106.9	156.8	267.0	-	128.7	155.1	138.9	114.0	200.3	-	86.1	131.1	117.0	130.4	431.7	-
6	85.0	123.8	108.5	161.5	299.8	-	127.4	156.2	146.7	110.3	217.9	-	94.1	134.5	119.1	132.0	456.9	-
7	82.8	122.6	110.1	166.2	281.2	-	125.7	157.4	151.8	111.9	233.5	-	94.1	135.6	118.2	134.9	484.7	-
8	83.7	122.4	111.0	177.5	264.1	-	124.2	157.7	150.1	106.1	247.3	-	95.0	133.7	120.2	137.1	516.2	-
9	84.8	122.2	111.7	190.1	250.0	-	123.8	158.3	159.8	98.2	254.9	-	95.6	132.5	121.1	139.4	524.3	-
10	85.8	121.8	113.2	204.7	230.3	-	123.5	159.1	173.1	91.8	254.3	-	96.4	134.5	120.2	148.2	498.9	-
11	86.7	121.6	114.0	217.8	212.5	-	122.9	160.0	185.6	87.2	251.5	-	96.1	137.2	119.1	167.4	486.1	-
12	87.3	121.6	115.9	228.3	197.1	-	122.1	161.3	195.9	84.5	248.6	-	95.6	137.4	119.1	178.2	481.0	-
13	87.7	107.1	118.9	238.2	184.7	-	121.3	159.3	185.9	83.7	235.5	-	95.3	139.0	121.1	187.8	470.3	-
14	100.6	101.6	121.2	248.3	182.2	-	133.7	154.5	178.7	87.6	232.3	-	94.6	140.4	122.5	200.0	425.3	-
15	108.0	102.7	122.4	255.9	184.1	-	144.9	153.0	167.9	88.0	245.8	-	94.4	147.7	118.2	225.0	382.0	-
16	108.9	103.0	123.9	260.2	196.7	-	155.7	151.7	162.1	84.6	253.4	-	94.3	158.0	111.8	244.6	347.1	-
17	109.7	103.6	124.6	257.7	212.4	-	162.7	142.7	170.7	79.5	249.4	-	94.3	164.7	108.0	263.9	318.6	-
18	110.8	98.5	125.0	255.4	227.9	-	169.0	133.1	182.7	78.2	247.4	-	94.5	163.7	109.2	282.3	292.9	-
19	108.1	95.6	126.1	252.3	240.5	-	180.2	126.0	188.0	75.0	246.1	-	94.9	163.0	110.1	301.1	263.2	-
20	112.8	96.3	127.0	251.2	254.5	-	190.6	117.2	195.7	72.0	244.9	-	95.3	162.7	110.8	329.4	237.2	-
21	113.6	97.3	127.3	252.1	270.7	-	197.1	112.8	191.9	72.2	244.6	-	95.4	162.3	111.0	359.9	215.0	-
22	114.3	98.2	126.6	247.4	286.9	-	194.0	111.3	179.5	72.1	243.8	-	95.6	161.0	111.2	391.4	217.2	-
23	115.3	98.1	128.3	238.8	299.1	-	190.1	105.4	179.4	72.0	229.3	-	96.2	153.5	111.2	417.3	201.7	-
24	117.1	98.8	131.2	232.5	310.0	-	182.2	103.3	177.8	76.3	194.1	-	100.8	144.4	110.6	443.0	189.0	-
25	118.6	101.1	131.4	231.4	320.3	-	170.9	104.8	174.2	89.7	177.1	-	107.4	138.1	107.8	465.9	181.1	-
26	119.4	102.9	129.7	210.3	328.0	-	158.7	107.1	171.5	98.3	164.4	-	115.4	134.5	105.9	480.8	181.3	-
27	119.5	104.6	140.3	206.7	324.1	-	148.9	109.1	169.1	106.7	152.4	-	120.6	134.5	104.3	477.6	183.7	-
28	120.0	106.5	142.0	207.6	295.2	-	144.9	110.8	166.8	112.8	147.8	-	122.7	128.7	102.8	428.8	198.7	-
29	110.3	98.4	146.9	224.8	270.9	-	145.5	111.2	168.1	121.0	146.0	-	127.7	123.9	111.0	400.2	221.5	-
30	122.0	98.8	151.6	242.9	250.2	-	146.5	111.4	167.1	128.4	142.3	-	135.6	122.0	116.6	375.5	243.7	-
31	123.5	-	152.7	254.1	-	-	147.2	-	161.6	137.3	-	-	139.8	-	120.1	363.3	-	-

Table C-1A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	133.5	95.6	139.8	169.9	128.0	227.2	262.3	118.7	97.5	100.6	210.0	208.9
2	125.0	96.0	142.5	183.3	120.2	-	262.6	119.3	98.1	100.3	208.9	-
3	118.3	97.0	142.7	193.9	115.3	-	239.2	120.3	98.8	100.0	229.7	-
4	116.2	98.1	143.1	199.8	113.4	-	219.9	121.4	99.5	99.1	228.2	-
5	116.6	99.2	144.0	200.7	112.1	-	206.4	123.1	100.8	98.1	223.9	-
6	116.9	99.1	145.3	201.7	107.3	-	189.4	140.9	89.7	93.9	219.4	-
7	118.3	98.4	146.1	208.9	104.4	-	171.7	128.4	95.8	89.1	216.3	-
8	120.7	98.1	147.0	217.8	105.1	-	170.4	128.6	103.3	86.8	213.5	-
9	122.6	98.2	147.4	222.0	106.6	-	155.1	129.0	107.6	87.5	210.9	-
10	124.2	98.7	146.9	220.0	106.8	-	142.4	121.8	108.0	87.9	208.2	-
11	123.8	99.3	146.7	214.5	108.8	-	138.5	123.6	98.7	88.1	207.4	-
12	124.6	100.1	149.3	207.5	111.5	-	136.9	119.9	98.2	87.4	209.5	-
13	125.5	101.1	153.0	203.7	113.3	-	130.8	120.6	100.4	83.7	213.1	-
14	126.3	102.2	153.9	200.4	112.3	-	119.3	111.0	105.6	82.2	215.3	-
15	127.6	102.9	154.9	201.2	111.7	-	120.7	105.3	108.5	80.1	218.2	-
16	129.2	103.1	156.4	202.8	115.6	-	120.4	97.7	112.6	80.3	224.5	-
17	130.8	102.8	159.8	199.6	115.7	-	124.5	89.8	113.4	82.9	224.1	-
18	132.6	102.4	161.7	197.5	117.6	-	129.8	83.3	113.6	88.1	231.7	-
19	136.3	103.4	160.0	195.4	121.5	-	135.7	79.0	113.8	94.3	235.9	-
20	124.0	104.4	158.0	193.5	126.8	-	145.2	78.2	113.6	100.4	240.7	-
21	116.9	107.2	154.3	191.0	133.0	-	148.9	78.3	115.0	106.7	245.4	-
22	108.6	115.2	144.0	188.3	137.7	-	133.9	79.3	114.6	117.0	247.4	-
23	101.7	124.5	133.2	189.5	146.0	-	134.1	80.1	114.5	128.4	248.7	-
24	98.7	125.2	124.1	196.0	150.3	-	134.4	81.7	113.2	139.4	249.2	-
25	105.0	132.9	117.1	187.2	154.7	-	135.6	83.6	111.8	150.8	246.4	-
26	97.4	136.6	124.4	189.3	161.7	-	135.8	85.5	110.5	162.8	239.6	-
27	92.0	139.1	126.4	188.4	176.6	-	119.1	87.5	109.0	174.7	230.4	-
28	90.2	139.9	130.2	185.5	188.7	-	119.0	89.4	107.7	186.5	224.6	-
29	91.8	140.3	129.6	175.6	201.0	-	119.2	95.7	101.6	195.9	216.3	-
30	93.3	140.0	136.1	152.6	214.5	-	119.1	96.6	101.3	203.6	210.5	-
31	94.6	-	155.7	138.8	-	-	118.8	-	101.0	209.4	-	-

Table C-1B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	90.4	144.5	117.5	173.0	263.8	227.3	134.9	175.2	149.4	183.7	147.4	147.7	91.9	152.8	144.8	153.2	396.5	221.9
2	90.5	139.6	123.6	177.8	274.8	-	137.9	166.1	168.3	164.5	158.5	-	92.2	152.6	146.8	161.4	373.0	-
3	93.8	139.5	127.2	175.9	283.7	-	145.8	165.7	171.1	152.2	168.8	-	92.3	150.1	134.5	160.9	355.1	-
4	93.7	143.8	125.6	175.8	282.7	-	159.7	166.1	185.5	141.9	182.5	-	103.1	159.9	134.3	161.0	369.7	-
5	93.1	145.1	126.5	176.3	275.4	-	157.5	166.5	199.4	134.5	200.4	-	102.7	159.1	133.4	158.0	418.0	-
6	92.8	145.6	128.5	177.3	292.9	-	156.0	166.8	210.5	129.9	217.7	-	105.5	163.2	135.8	159.9	443.5	-
7	86.3	144.5	130.6	182.6	278.0	-	154.7	157.6	218.0	130.6	233.6	-	105.6	164.6	134.8	163.3	470.3	-
8	84.0	144.2	131.7	191.4	261.0	-	163.0	158.1	218.1	120.6	247.6	-	106.6	163.5	136.2	166.1	502.2	-
9	85.1	144.0	135.0	202.2	239.8	-	162.4	158.7	238.0	111.6	255.3	-	107.2	158.3	136.8	168.7	498.2	-
10	86.1	143.5	138.7	224.3	220.7	-	161.9	159.6	257.8	104.3	254.8	-	111.0	160.6	135.8	171.1	457.6	-
11	87.0	143.3	139.7	239.0	203.6	-	161.1	160.5	276.5	99.0	252.0	-	110.7	163.8	144.4	188.5	445.7	-
12	87.6	143.3	142.1	250.6	188.8	-	160.1	161.7	292.0	96.0	249.1	-	110.1	164.1	153.4	200.8	440.4	-
13	88.0	130.7	143.2	261.5	176.9	-	159.1	158.5	283.7	95.0	243.2	-	109.8	165.7	155.9	211.7	431.0	-
14	99.2	128.8	145.8	272.6	176.2	-	172.4	158.5	264.4	96.5	239.9	-	109.2	167.3	157.7	225.3	398.5	-
15	102.7	130.1	147.4	281.0	177.8	-	187.0	155.1	251.4	97.0	255.0	-	109.0	179.9	146.2	248.1	357.7	-
16	103.5	130.4	149.3	277.3	190.5	-	201.0	153.8	242.6	93.4	263.2	-	110.9	192.6	138.2	269.9	325.0	-
17	103.9	114.7	154.8	271.1	205.6	-	198.5	144.5	254.8	85.0	254.1	-	110.9	200.9	133.5	291.3	298.2	-
18	117.8	105.1	157.5	268.7	220.8	-	197.2	134.8	281.8	85.3	252.1	-	111.2	199.9	134.8	311.6	274.2	-
19	117.3	99.4	158.9	265.5	233.0	-	210.4	127.6	289.9	81.7	250.8	-	111.9	199.0	135.9	332.3	244.2	-
20	125.4	100.1	160.0	264.2	245.5	-	222.7	118.4	301.8	78.5	249.6	-	112.9	198.6	136.7	353.9	219.9	-
21	126.4	101.2	160.4	265.2	261.1	-	231.0	111.9	296.3	78.7	239.2	-	113.1	198.0	142.2	381.9	203.3	-
22	127.1	102.1	159.6	260.3	276.8	-	236.0	110.5	277.0	81.8	238.4	-	113.2	196.4	144.3	415.4	196.1	-
23	128.2	102.0	161.7	251.4	288.7	-	231.4	104.7	276.6	81.7	224.0	-	114.0	185.8	144.3	446.3	182.2	-
24	130.1	102.8	165.2	244.6	299.2	-	221.2	102.3	274.1	86.7	197.9	-	107.8	174.8	142.6	473.9	170.7	-
25	131.9	105.1	165.6	243.3	308.8	-	207.8	103.7	268.6	94.1	180.3	-	109.9	167.1	138.9	498.6	163.4	-
26	132.7	107.1	163.5	221.8	316.1	-	193.0	106.0	274.2	103.2	167.4	-	118.1	162.6	136.5	514.8	163.5	-
27	132.8	120.3	159.8	218.1	312.6	-	180.9	108.5	269.2	112.1	166.6	-	123.5	162.3	134.5	511.8	165.7	-
28	133.3	125.0	158.4	219.0	287.1	-	176.0	116.0	251.9	111.7	161.8	-	125.8	151.0	132.5	466.8	179.3	-
29	129.4	119.3	163.8	235.2	263.1	-	176.7	116.6	269.3	119.8	159.7	-	134.5	145.1	141.0	437.2	202.1	-
30	138.6	116.3	169.0	254.2	243.0	-	177.8	131.8	236.9	127.2	155.6	-	142.9	142.9	147.5	403.1	222.5	-
31	144.4	-	170.4	260.2	-	-	178.7	-	207.8	136.0	-	-	147.4	-	151.0	390.0	-	-

Table C-1B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	143.8	105.9	173.1	197.8	145.4	234.5	261.9	153.3	139.4	116.7	233.5	215.2
2	134.6	106.3	175.5	213.4	136.6	-	249.6	148.0	140.4	116.4	232.6	-
3	128.1	107.2	176.3	225.8	130.9	-	235.0	138.2	141.3	116.2	247.7	-
4	125.7	108.4	176.7	232.9	128.7	-	233.1	139.5	141.9	115.3	246.2	-
5	126.1	109.6	177.8	234.1	120.0	-	218.7	139.2	143.6	114.1	241.7	-
6	126.5	109.6	179.5	230.5	114.9	-	203.4	155.0	131.5	108.3	236.8	-
7	127.9	108.7	194.9	229.4	111.7	-	183.3	146.3	139.6	102.8	233.1	-
8	130.5	108.4	204.3	236.9	112.4	-	178.1	151.6	145.5	100.0	230.1	-
9	132.6	108.5	206.8	241.6	114.0	-	162.1	152.1	151.7	100.8	227.3	-
10	134.3	109.0	206.2	239.4	115.7	-	148.7	137.3	152.3	101.3	224.4	-
11	131.6	109.8	205.9	233.5	119.1	-	150.2	142.1	135.2	101.5	223.5	-
12	132.7	110.6	209.5	225.8	122.1	-	149.6	140.4	132.0	101.2	227.2	-
13	133.7	111.5	215.2	221.7	124.0	-	142.9	141.1	134.2	93.9	231.0	-
14	134.6	112.7	216.5	218.0	122.6	-	130.3	130.2	145.8	87.2	233.4	-
15	135.9	116.1	213.2	219.7	121.8	-	131.5	129.5	151.1	84.7	229.5	-
16	137.7	117.0	213.9	223.2	126.0	-	131.2	120.1	157.3	90.5	239.5	-
17	131.2	116.8	216.8	219.9	126.2	-	135.5	110.3	158.6	93.5	237.0	-
18	129.5	131.3	194.5	217.6	122.2	-	141.5	102.4	158.9	100.3	240.9	-
19	132.6	136.5	186.9	226.1	126.2	-	147.8	97.0	159.1	108.6	245.9	-
20	127.2	137.8	184.7	223.8	131.7	-	158.2	95.9	158.9	115.7	249.1	-
21	118.1	141.5	180.3	220.9	136.6	-	162.4	104.9	147.2	124.1	253.0	-
22	109.8	154.5	165.7	220.3	141.4	-	156.6	107.3	145.7	135.2	254.8	-
23	102.8	154.1	153.2	221.7	150.6	-	156.7	108.3	147.5	148.5	256.1	-
24	108.0	152.1	142.7	229.2	155.2	-	157.3	101.9	145.9	154.8	256.7	-
25	115.5	164.2	132.3	215.9	159.7	-	163.6	103.2	150.0	167.4	253.9	-
26	108.1	168.9	142.5	218.2	166.9	-	165.8	105.5	148.2	180.8	247.0	-
27	102.1	172.0	144.8	217.4	181.9	-	154.7	108.1	146.3	194.1	237.6	-
28	100.0	173.2	149.2	214.0	194.4	-	154.0	122.6	130.2	207.2	231.6	-
29	101.7	173.7	148.6	196.0	207.4	-	154.2	136.9	117.9	217.6	223.0	-
30	103.4	173.3	161.3	173.8	221.3	-	153.9	138.2	117.5	226.2	216.9	-
31	104.8	-	180.9	157.8	-	-	153.5	-	117.1	232.7	-	-

Table C-2A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	74.1	117.0	71.2	114.5	195.0	205.6	111.5	145.1	115.9	141.8	133.6	125.5	62.1	123.4	100.2	103.3	371.9	223.5
2	74.0	111.4	72.3	118.6	203.1	-	111.3	138.3	127.8	133.0	144.3	-	62.1	123.6	100.8	107.7	348.7	-
3	77.6	111.2	75.1	117.3	213.4	-	116.9	150.6	115.3	122.7	154.6	-	62.0	107.8	97.6	113.8	332.3	-
4	77.5	111.6	76.3	116.6	214.8	-	126.3	150.8	125.2	113.7	166.4	-	73.7	114.7	91.7	115.0	342.7	-
5	76.7	113.4	75.9	117.5	201.2	-	125.0	151.0	135.1	107.3	183.2	-	73.7	107.5	89.8	112.4	417.2	-
6	76.3	113.2	76.7	123.8	236.3	-	124.1	151.0	143.1	102.8	200.9	-	83.9	110.7	91.7	113.3	446.3	-
7	72.4	112.5	77.6	125.4	225.6	-	123.3	151.4	149.1	103.8	217.0	-	83.7	112.0	90.6	115.6	474.7	-
8	70.3	111.7	78.3	134.1	209.1	-	122.4	152.0	148.0	98.4	231.4	-	84.5	111.3	91.3	118.3	514.7	-
9	70.9	111.5	78.7	139.9	198.8	-	121.7	152.1	157.2	90.5	240.8	-	84.8	105.1	91.8	119.3	531.2	-
10	71.2	111.4	82.4	152.1	182.7	-	121.6	152.5	171.3	84.0	241.7	-	89.7	106.1	91.3	126.1	493.6	-
11	71.5	111.2	82.8	164.6	167.9	-	121.4	152.8	185.2	79.2	240.2	-	89.8	108.6	89.7	136.5	482.2	-
12	71.8	111.1	83.4	176.2	155.0	-	121.0	153.1	197.4	76.1	238.8	-	89.5	108.7	96.6	146.7	493.8	-
13	71.9	93.3	84.5	186.4	144.3	-	120.7	150.0	181.7	74.8	214.2	-	89.4	109.8	98.1	155.5	486.1	-
14	85.8	87.1	85.2	196.6	148.5	-	139.6	155.2	163.7	82.7	212.3	-	88.6	110.7	99.3	166.0	427.5	-
15	93.5	87.6	85.9	205.2	147.1	-	152.7	154.5	152.4	82.7	238.7	-	88.6	114.9	96.9	195.2	382.8	-
16	94.0	87.7	86.3	211.5	157.5	-	165.6	153.3	146.2	79.6	248.1	-	88.7	123.7	90.6	215.4	347.0	-
17	94.4	87.2	87.0	202.9	171.3	-	174.7	144.4	153.0	74.2	234.9	-	88.8	130.3	86.1	234.6	318.0	-
18	95.7	78.8	89.8	201.8	185.4	-	171.7	134.3	164.8	75.9	233.7	-	89.3	129.9	86.7	253.3	292.3	-
19	95.4	72.9	90.3	201.0	197.6	-	184.6	126.5	170.0	72.6	233.0	-	89.8	129.6	87.1	272.7	258.1	-
20	103.7	73.1	90.4	200.5	214.1	-	196.0	117.3	177.3	69.3	232.4	-	91.1	129.6	87.3	305.7	232.0	-
21	104.2	73.6	90.3	202.4	229.3	-	203.7	111.5	176.0	69.3	231.6	-	91.2	130.1	87.3	328.2	209.6	-
22	104.5	74.0	90.0	201.0	246.1	-	195.2	110.2	163.6	69.3	231.1	-	91.3	130.1	89.6	360.4	216.8	-
23	104.9	73.8	90.1	193.9	259.4	-	190.0	104.0	163.3	69.2	220.0	-	91.5	125.6	89.5	386.1	201.1	-
24	106.1	73.7	92.8	186.9	271.4	-	182.1	101.0	162.4	72.5	181.2	-	95.0	116.3	90.3	413.2	188.1	-
25	107.2	75.2	93.7	185.2	282.9	-	170.6	101.8	159.2	86.3	164.5	-	94.2	110.1	88.2	438.3	179.3	-
26	107.9	76.3	92.7	160.2	295.0	-	158.3	103.5	159.5	95.0	152.1	-	102.0	105.9	86.7	458.0	178.9	-
27	107.9	77.5	105.2	154.0	296.4	-	148.1	105.2	157.3	103.6	141.4	-	107.8	106.0	85.4	461.0	181.9	-
28	107.9	85.1	99.8	154.1	262.9	-	143.5	112.1	147.6	100.5	137.0	-	108.9	98.6	84.0	396.7	196.5	-
29	95.0	75.5	102.8	171.9	239.8	-	143.8	112.7	162.4	107.9	134.9	-	112.5	93.8	95.4	372.3	220.5	-
30	108.7	70.8	107.3	188.5	220.9	-	144.5	113.0	161.5	115.0	132.4	-	120.0	91.1	100.5	333.6	243.8	-
31	117.0	-	108.1	193.3	-	-	145.0	-	156.9	122.7	-	-	124.8	-	102.7	328.9	-	-

Table C-2A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	127.1	66.2	109.3	125.5	96.5	178.8	259.4	121.1	94.6	91.0	172.4	194.9
2	118.2	66.4	109.8	136.8	89.9	-	259.4	117.2	94.9	90.6	172.3	-
3	112.1	65.7	111.8	146.4	85.4	-	235.2	117.7	95.4	90.2	198.0	-
4	109.3	66.0	112.2	152.8	83.2	-	215.8	118.3	95.8	89.6	197.8	-
5	109.2	66.3	112.8	154.9	82.6	-	202.0	119.6	96.4	88.5	194.9	-
6	109.0	66.2	114.0	154.9	79.1	-	185.6	142.9	81.8	84.4	190.9	-
7	109.3	65.4	115.0	152.6	75.8	-	167.4	125.9	87.0	79.8	188.5	-
8	111.0	65.0	122.1	158.4	76.0	-	171.6	125.8	94.2	76.9	186.9	-
9	112.0	64.8	124.6	162.9	77.4	-	155.9	125.9	98.7	77.3	185.8	-
10	112.7	64.8	124.9	162.0	77.2	-	142.7	119.2	98.9	77.3	184.3	-
11	112.7	64.7	125.9	160.4	79.6	-	137.9	129.4	83.5	77.3	183.9	-
12	110.8	64.6	127.6	154.5	82.1	-	136.7	126.5	81.6	76.6	187.2	-
13	111.3	64.8	132.5	151.6	83.4	-	130.9	126.9	83.0	67.7	191.7	-
14	111.4	65.2	134.4	150.1	84.0	-	119.1	110.2	93.9	65.3	195.5	-
15	111.6	65.6	135.2	151.1	81.7	-	127.1	104.2	97.6	62.8	199.0	-
16	112.1	68.3	130.4	156.2	84.9	-	126.5	96.3	102.0	62.4	206.2	-
17	112.6	67.9	131.8	154.1	85.2	-	130.5	87.9	103.2	64.2	206.7	-
18	111.4	67.9	133.8	152.8	85.9	-	136.2	81.0	103.5	68.0	216.4	-
19	113.2	74.1	123.1	152.2	87.8	-	142.2	76.2	103.7	73.5	221.5	-
20	99.4	75.7	120.5	153.3	91.5	-	152.5	74.7	103.7	78.5	226.7	-
21	91.2	76.9	118.6	152.6	96.1	-	156.8	74.8	104.3	83.7	230.4	-
22	83.8	86.0	106.1	152.0	100.1	-	139.7	76.6	102.4	91.7	232.3	-
23	77.4	93.8	96.5	153.2	110.8	-	139.9	76.9	105.3	101.4	233.8	-
24	74.1	91.3	88.5	158.8	113.9	-	140.4	77.5	104.6	105.3	235.0	-
25	80.5	100.1	80.5	145.6	117.6	-	140.6	78.5	108.4	114.5	233.0	-
26	72.2	103.5	89.4	148.5	122.3	-	142.1	79.9	107.1	124.5	227.2	-
27	67.2	106.4	89.7	148.4	134.5	-	122.1	81.2	105.7	134.8	214.2	-
28	64.8	107.8	93.1	145.5	144.7	-	122.0	82.6	104.1	147.8	209.3	-
29	65.3	108.6	93.0	140.8	155.7	-	122.1	93.4	93.0	156.5	201.9	-
30	65.8	109.0	95.4	117.5	167.4	-	121.3	94.0	92.4	164.2	196.2	-
31	66.1	-	113.4	105.7	-	-	121.3	-	91.6	170.7	-	-

Table C-2B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	87.5	141.3	93.4	134.1	204.4	203.0	126.2	184.9	155.1	188.8	131.2	144.5	80.2	152.5	125.5	145.8	396.5	231.7
2	87.3	132.1	100.2	140.3	212.1	-	132.4	169.2	182.9	163.7	141.9	-	80.2	154.6	125.3	156.1	368.5	-
3	93.3	131.9	105.2	139.6	223.1	-	144.7	169.3	184.2	149.3	152.2	-	80.1	151.9	110.2	155.0	351.2	-
4	93.1	138.0	102.4	138.8	225.7	-	164.7	170.8	200.4	138.2	167.0	-	92.9	157.5	111.7	152.3	374.1	-
5	92.3	142.5	100.2	139.7	219.3	-	163.1	171.1	216.5	130.3	186.0	-	96.2	152.3	112.5	149.1	438.6	-
6	91.8	142.5	101.2	142.6	245.9	-	161.8	170.8	229.6	124.7	203.3	-	99.3	153.3	114.6	149.5	470.7	-
7	82.4	141.9	102.2	145.5	239.8	-	161.1	154.5	239.4	124.0	219.9	-	100.3	155.2	113.9	152.6	501.3	-
8	75.5	140.7	103.2	148.2	223.2	-	177.4	153.3	242.1	111.4	234.6	-	101.2	154.5	114.6	156.0	543.6	-
9	76.1	140.4	108.8	154.8	200.1	-	178.4	153.5	271.0	102.1	244.3	-	101.7	143.7	114.8	158.1	527.9	-
10	76.5	140.4	113.8	177.8	180.6	-	178.2	153.9	296.5	94.7	245.8	-	109.6	145.3	113.8	156.5	473.3	-
11	76.7	140.1	114.5	196.7	166.0	-	177.9	154.1	320.6	89.2	244.3	-	109.7	148.6	127.1	170.3	461.8	-
12	76.9	140.0	115.3	210.5	153.3	-	177.4	154.4	341.8	85.8	242.8	-	109.4	149.0	140.8	182.9	463.4	-
13	77.1	124.1	111.8	222.5	142.8	-	177.0	153.8	319.1	84.2	232.0	-	109.3	149.8	143.2	194.1	455.9	-
14	91.2	118.5	111.8	234.4	146.2	-	198.4	159.5	286.9	87.3	229.5	-	108.8	150.9	145.0	207.2	414.8	-
15	97.9	118.6	112.9	244.0	145.7	-	217.2	157.4	269.3	87.6	252.9	-	108.8	164.0	129.8	235.0	372.0	-
16	98.8	118.9	113.8	236.7	156.8	-	235.5	156.1	258.4	84.5	263.4	-	113.4	177.2	120.6	258.8	337.0	-
17	97.8	101.2	121.4	225.3	170.6	-	223.3	146.8	269.3	74.0	251.7	-	114.1	186.8	114.9	282.2	308.7	-
18	109.6	87.1	127.3	223.8	185.0	-	212.9	136.0	309.0	75.0	250.5	-	114.6	187.7	114.7	305.2	283.7	-
19	111.8	79.4	127.8	223.1	197.3	-	228.9	128.1	319.1	71.8	249.8	-	115.1	187.3	115.2	329.0	247.5	-
20	122.1	79.2	127.8	223.2	210.7	-	243.2	118.1	332.8	68.5	249.3	-	116.4	187.4	115.4	353.2	222.1	-
21	123.1	79.7	127.5	225.2	225.6	-	254.5	108.0	330.4	68.2	228.4	-	116.6	188.0	122.0	371.9	210.1	-
22	123.4	80.0	127.1	223.5	242.5	-	261.7	106.7	308.0	74.2	226.2	-	116.6	188.1	128.0	408.7	207.8	-
23	123.9	79.8	127.3	216.0	256.1	-	256.6	101.4	305.0	74.7	214.7	-	116.9	176.3	127.8	442.4	193.3	-
24	125.2	79.8	130.6	208.4	268.0	-	244.4	97.6	303.1	78.5	185.1	-	107.7	162.9	127.7	473.7	180.8	-
25	126.4	81.2	132.1	206.0	279.2	-	228.8	98.3	297.6	85.1	167.9	-	104.0	153.7	125.1	502.9	172.4	-
26	127.1	82.4	131.0	177.8	289.6	-	212.4	99.9	312.8	93.8	155.1	-	112.5	147.7	122.9	525.7	171.7	-
27	127.3	95.8	130.2	168.9	290.0	-	198.5	101.8	307.7	102.4	159.7	-	119.0	146.9	121.1	529.9	174.3	-
28	127.4	108.1	122.2	169.4	259.9	-	192.3	112.7	277.8	98.4	158.2	-	121.0	131.6	119.2	463.0	189.3	-
29	118.7	98.4	125.6	187.3	237.2	-	192.5	113.4	308.2	105.7	155.7	-	130.1	125.2	133.4	427.9	218.4	-
30	132.0	92.9	130.7	204.3	218.3	-	193.3	132.4	263.0	112.7	152.4	-	138.7	121.6	142.5	386.7	241.7	-
31	141.2	-	132.4	207.1	-	-	194.0	-	223.6	120.5	-	-	144.3	-	144.0	376.0	-	-

Table C-2B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	155.8	75.9	145.3	169.5	131.7	188.1	300.4	181.5	155.4	107.9	209.1	221.3
2	144.9	76.1	146.6	185.0	122.3	-	277.0	169.8	156.2	107.4	209.1	-
3	137.1	75.7	148.4	198.5	116.0	-	260.3	152.5	156.9	106.9	234.5	-
4	133.4	75.9	149.0	207.9	112.7	-	266.8	153.1	157.5	106.4	235.9	-
5	133.0	76.1	149.8	211.5	99.2	-	249.5	151.0	158.1	105.2	232.5	-
6	132.8	76.0	151.4	210.0	93.4	-	233.9	174.3	138.9	97.4	227.9	-
7	133.1	75.0	173.4	200.5	89.8	-	207.7	160.9	148.4	91.9	225.2	-
8	135.0	74.4	193.4	201.4	89.8	-	208.2	172.4	149.6	88.5	223.4	-
9	136.2	74.1	203.8	206.3	91.1	-	189.2	174.2	155.3	88.6	222.0	-
10	137.0	74.1	205.7	206.1	95.5	-	173.3	153.3	156.2	88.7	220.3	-
11	129.1	74.0	207.3	203.4	98.9	-	177.2	159.2	133.6	88.7	220.0	-
12	128.7	73.9	210.8	196.5	101.7	-	180.1	158.2	128.3	87.9	226.3	-
13	129.2	74.0	218.2	192.5	103.6	-	171.7	158.4	130.3	78.0	231.4	-
14	129.4	74.5	221.8	190.4	103.6	-	156.6	141.3	146.9	69.7	236.0	-
15	129.7	79.5	210.4	191.8	101.4	-	162.7	144.9	152.0	65.8	231.9	-
16	130.3	82.8	203.6	196.8	104.7	-	162.0	134.4	160.9	72.0	243.9	-
17	118.1	82.5	206.3	195.4	105.7	-	167.0	122.5	163.1	76.7	240.3	-
18	109.5	96.2	179.3	193.9	96.3	-	174.7	112.8	163.6	82.7	247.2	-
19	110.8	109.4	158.3	214.0	96.7	-	182.2	105.9	164.0	91.6	253.3	-
20	101.4	111.8	155.3	219.3	100.8	-	195.4	103.7	163.9	97.9	255.0	-
21	90.2	114.2	152.0	218.7	102.9	-	201.2	117.0	146.1	105.6	259.5	-
22	82.7	129.4	133.8	224.7	106.5	-	188.1	126.4	137.5	114.7	261.9	-
23	76.3	126.1	121.3	228.7	117.5	-	188.4	126.8	143.5	126.8	263.6	-
24	81.7	119.8	111.0	237.2	121.4	-	189.2	115.7	142.4	128.9	264.7	-
25	89.7	132.2	98.9	213.7	125.3	-	192.5	110.1	151.0	140.3	262.4	-
26	83.1	137.4	111.4	214.7	130.5	-	206.8	111.9	149.2	152.6	256.1	-
27	77.3	141.3	113.6	214.9	141.7	-	186.1	113.8	147.3	165.3	243.6	-
28	74.4	143.3	117.4	212.0	152.6	-	181.8	131.2	128.1	179.6	238.1	-
29	74.7	144.4	117.9	187.9	163.7	-	182.0	153.0	110.3	190.2	229.6	-
30	75.3	144.9	131.8	160.8	175.9	-	181.9	154.4	109.3	199.0	223.2	-
31	75.7	-	153.2	144.4	-	-	181.8	-	108.6	206.5	-	-

Table C-3A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	63.2	96.4	64.1	90.9	139.8	173.0	100.4	165.2	102.9	136.4	98.0	113.0	56.9	102.0	79.2	84.4	340.0	205.1
2	63.1	91.2	64.2	94.0	143.4	-	99.9	151.4	117.5	127.9	106.3	-	56.5	105.4	79.6	88.1	314.6	-
3	67.8	88.7	68.1	94.3	152.5	-	110.0	157.1	104.8	117.4	114.4	-	56.5	92.4	78.4	95.7	300.4	-
4	69.3	88.8	69.6	93.3	156.0	-	126.3	157.8	113.5	108.2	123.0	-	65.3	93.2	72.9	94.1	316.7	-
5	68.2	92.5	67.3	93.8	154.7	-	124.8	158.2	122.6	101.6	136.0	-	68.8	98.1	73.2	91.7	388.5	-
6	67.7	92.3	67.7	94.9	179.6	-	124.0	154.6	130.0	96.7	150.6	-	68.3	99.5	74.8	91.5	419.9	-
7	63.8	92.0	68.3	96.3	178.1	-	126.2	147.3	136.1	95.8	164.1	-	68.5	100.9	74.3	93.2	449.1	-
8	59.0	91.0	68.8	102.6	164.5	-	131.7	144.4	136.8	91.2	176.1	-	68.9	100.8	74.3	95.6	491.7	-
9	59.3	90.4	69.2	106.7	156.8	-	134.0	142.7	144.1	83.4	184.9	-	69.0	93.1	74.5	96.6	518.0	-
10	59.4	90.3	72.9	115.5	142.8	-	135.3	141.8	157.7	76.8	187.4	-	74.3	93.5	74.0	101.2	463.7	-
11	59.4	89.9	74.0	128.4	131.5	-	136.2	140.8	171.5	71.7	187.3	-	74.4	96.0	72.1	108.4	454.3	-
12	59.4	89.5	74.3	139.3	121.6	-	136.8	139.3	184.5	68.5	187.3	-	74.2	96.5	81.4	116.8	468.7	-
13	59.4	77.0	74.7	149.2	113.4	-	137.9	131.5	175.9	66.6	185.7	-	74.1	96.4	82.9	125.0	465.7	-
14	68.7	73.2	72.7	156.1	117.5	-	160.7	137.5	156.8	66.6	181.8	-	74.2	96.9	83.7	133.2	413.7	-
15	75.1	72.4	74.3	161.6	116.3	-	177.2	133.5	149.0	67.6	207.2	-	74.1	98.7	83.2	154.9	370.5	-
16	76.5	73.6	74.4	167.3	123.5	-	193.7	132.7	142.0	65.9	217.6	-	74.2	106.0	78.1	171.9	335.8	-
17	76.7	73.2	74.8	157.9	134.9	-	205.3	125.5	146.8	60.4	203.4	-	74.7	112.1	73.7	188.8	307.9	-
18	75.8	62.4	79.2	156.5	147.1	-	192.0	116.4	159.9	62.6	203.0	-	74.3	113.1	73.3	205.4	283.6	-
19	76.6	55.8	79.6	156.6	157.8	-	205.9	109.3	165.1	60.0	202.8	-	74.3	113.1	73.4	222.7	242.8	-
20	85.6	55.5	79.5	157.0	167.4	-	219.1	101.2	172.1	56.8	202.8	-	74.9	113.3	73.3	259.8	218.1	-
21	86.0	55.6	79.0	158.8	179.6	-	229.5	94.6	173.9	56.6	202.5	-	74.9	114.1	73.0	270.6	196.9	-
22	85.9	55.8	78.5	159.0	194.7	-	225.7	93.6	161.0	56.5	201.0	-	74.7	114.8	77.6	299.1	196.3	-
23	85.8	56.2	77.4	154.4	207.2	-	218.8	88.3	160.3	56.8	195.1	-	74.6	112.5	77.4	327.5	182.2	-
24	86.2	56.3	78.8	148.5	217.9	-	209.8	84.3	159.8	58.3	161.8	-	76.5	103.1	77.5	352.9	170.6	-
25	86.7	57.1	80.0	145.6	227.6	-	196.9	84.5	157.1	65.7	146.1	-	72.5	96.1	76.3	377.7	162.1	-
26	87.0	57.9	79.8	129.7	237.6	-	182.7	85.4	165.5	72.7	134.3	-	78.5	91.4	75.0	399.3	161.1	-
27	87.0	58.6	88.1	117.9	243.2	-	170.5	86.3	163.4	79.6	126.5	-	83.6	91.1	73.9	406.5	163.8	-
28	86.8	68.2	83.4	117.2	223.1	-	164.8	97.1	144.8	73.8	122.7	-	84.3	80.0	73.0	376.2	176.0	-
29	84.2	67.4	81.8	127.5	203.0	-	164.8	97.8	166.6	79.3	120.6	-	90.3	75.5	77.5	347.0	198.4	-
30	88.4	63.0	84.7	137.3	186.6	-	165.1	98.1	165.6	84.4	119.4	-	96.5	72.9	83.4	312.5	220.0	-
31	95.8	-	85.7	140.3	-	-	165.4	-	158.2	89.7	-	-	101.0	-	84.9	302.6	-	-

Table C-3A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	134.2	54.3	99.3	104.4	86.6	141.9	241.7	129.4	93.2	85.7	153.8	168.1
2	124.5	56.1	96.0	114.9	80.0	-	240.6	118.8	92.8	85.2	154.7	-
3	119.0	55.4	96.4	124.0	75.4	-	227.3	118.5	93.2	84.7	170.6	-
4	116.7	55.2	97.0	130.8	72.8	-	208.6	118.6	93.3	84.4	172.5	-
5	116.0	55.0	97.5	134.2	71.2	-	195.0	117.9	93.0	83.4	171.3	-
6	115.6	54.7	98.5	135.7	67.0	-	182.5	139.3	79.4	77.6	168.5	-
7	115.0	53.8	99.5	128.3	63.5	-	164.4	123.2	84.8	73.0	167.2	-
8	115.9	53.2	112.3	128.1	63.1	-	169.7	122.7	91.9	69.8	167.0	-
9	116.2	52.7	120.2	131.3	64.0	-	154.3	122.8	96.4	69.6	167.5	-
10	116.2	52.4	122.6	132.0	64.0	-	141.3	116.4	96.6	69.4	167.6	-
11	111.7	52.2	123.6	132.2	67.1	-	135.9	126.7	80.7	69.1	167.7	-
12	110.2	51.9	124.4	128.2	69.1	-	134.7	124.9	77.2	68.4	174.8	-
13	109.9	51.8	128.9	125.2	70.4	-	129.3	124.7	77.9	58.6	179.0	-
14	109.5	51.8	132.3	122.5	70.3	-	117.9	105.7	90.4	55.2	181.4	-
15	109.1	51.9	135.0	123.7	69.0	-	128.4	99.7	95.8	52.5	183.7	-
16	109.2	54.1	129.6	128.1	71.0	-	127.5	93.6	100.0	52.5	188.5	-
17	111.5	53.9	129.6	127.8	71.8	-	131.2	84.9	101.6	56.6	190.0	-
18	102.1	54.0	131.8	127.0	72.0	-	136.9	77.8	102.0	59.7	189.0	-
19	100.0	62.6	114.5	126.8	71.6	-	142.4	72.6	102.3	65.8	194.3	-
20	92.2	64.6	111.4	131.5	74.5	-	152.2	70.6	102.3	70.3	199.7	-
21	81.9	65.5	109.8	131.9	78.1	-	156.2	71.1	101.6	75.1	196.2	-
22	74.5	75.5	94.8	132.3	80.6	-	149.1	76.5	94.2	83.3	198.1	-
23	68.1	83.2	85.1	135.3	90.7	-	149.3	76.4	98.5	92.5	199.6	-
24	64.3	78.7	77.1	140.4	93.9	-	149.3	76.2	98.2	93.1	200.9	-
25	69.5	86.4	67.4	127.3	97.2	-	141.4	76.7	105.6	101.7	199.7	-
26	63.3	90.4	75.1	124.2	101.2	-	141.9	77.3	104.4	111.2	195.5	-
27	58.4	93.5	78.4	125.3	108.5	-	130.2	77.8	103.0	121.3	183.2	-
28	55.5	95.8	80.4	124.3	114.9	-	129.4	78.4	101.4	134.2	179.7	-
29	54.9	97.2	81.5	125.8	122.0	-	129.3	92.1	85.5	140.2	174.0	-
30	54.6	97.8	81.1	107.3	132.1	-	129.8	92.7	85.9	144.5	169.2	-
31	54.3	-	94.4	95.6	-	-	129.9	-	86.7	151.2	-	-

Table C-3B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	74.3	124.6	78.0	103.9	169.6	180.3	103.9	182.5	136.9	177.5	107.8	130.1	70.4	131.9	111.6	108.1	339.7	212.8
2	74.3	117.1	82.1	105.5	171.8	-	104.3	167.3	163.6	153.6	116.9	-	70.1	137.5	111.9	111.9	321.4	-
3	79.0	115.3	87.8	107.3	179.7	-	113.6	168.0	163.8	134.8	125.8	-	70.0	135.8	98.6	114.5	307.0	-
4	79.9	118.7	87.0	106.9	184.2	-	129.6	171.4	181.3	124.3	137.8	-	80.7	138.1	93.7	110.0	324.1	-
5	79.4	124.4	83.8	106.5	182.7	-	129.4	171.9	195.8	116.6	154.4	-	88.3	137.2	96.2	108.0	383.8	-
6	79.0	125.0	84.0	107.0	207.0	-	128.3	168.4	207.8	111.0	170.3	-	90.1	134.1	97.6	107.1	417.0	-
7	73.1	123.9	84.9	108.8	212.5	-	130.2	153.8	217.3	109.3	185.0	-	91.6	136.2	97.7	108.7	447.2	-
8	66.1	123.3	85.2	112.5	197.6	-	141.9	145.9	220.6	98.9	198.5	-	91.9	136.2	97.5	111.3	488.8	-
9	66.5	122.5	87.7	116.4	180.3	-	149.2	143.5	245.3	89.0	208.5	-	92.2	128.9	97.5	112.8	490.2	-
10	66.9	121.9	92.5	130.2	159.6	-	151.3	142.5	273.3	82.0	211.7	-	97.1	128.9	96.7	119.3	437.1	-
11	67.3	121.5	94.1	148.4	147.2	-	152.3	141.7	296.7	76.6	211.5	-	97.7	131.9	98.2	128.2	426.9	-
12	67.4	121.0	94.8	160.5	136.2	-	152.8	140.7	318.4	73.2	211.3	-	97.5	132.8	110.8	137.1	429.0	-
13	67.6	106.2	94.1	171.5	127.0	-	153.7	137.7	303.4	71.2	205.1	-	97.3	133.2	113.8	146.5	424.0	-
14	78.1	98.8	91.6	181.7	129.8	-	172.5	141.8	274.6	72.7	201.3	-	97.0	134.0	114.9	156.7	386.2	-
15	87.2	97.0	92.1	189.7	129.5	-	189.8	143.2	251.4	73.5	223.5	-	96.8	146.3	103.0	179.4	347.7	-
16	89.7	97.5	92.4	193.7	137.7	-	207.0	141.9	240.2	71.2	234.6	-	100.1	160.3	92.6	199.0	314.9	-
17	89.3	85.9	93.7	185.3	149.6	-	216.8	134.9	247.1	62.0	224.6	-	102.2	170.3	87.5	218.2	288.5	-
18	100.1	72.6	98.8	181.8	162.4	-	205.5	124.3	284.3	62.9	222.4	-	102.4	173.8	86.2	237.0	265.7	-
19	103.2	65.7	100.7	179.8	173.7	-	218.6	116.7	294.8	60.7	222.0	-	102.3	173.6	86.5	255.6	231.4	-
20	110.8	64.3	101.8	178.0	185.4	-	232.7	107.7	307.3	57.6	222.0	-	102.0	173.6	86.8	286.7	207.5	-
21	113.3	64.6	102.7	178.9	197.6	-	243.7	96.8	308.5	56.9	208.8	-	102.1	174.0	88.4	297.2	192.1	-
22	113.2	65.2	102.3	179.4	211.7	-	252.0	95.7	288.4	60.3	200.4	-	102.1	174.1	94.7	326.1	190.6	-
23	113.2	65.8	101.3	176.5	223.9	-	246.9	91.7	282.1	62.7	192.7	-	102.2	167.2	95.1	355.7	178.0	-
24	113.8	65.9	102.5	171.4	234.7	-	236.2	87.7	281.1	65.1	165.5	-	94.6	152.5	95.3	382.6	166.7	-
25	114.7	66.7	103.9	167.7	245.1	-	219.7	87.5	276.8	70.4	149.4	-	89.9	142.3	94.0	408.5	158.5	-
26	115.2	67.7	104.1	149.8	255.9	-	204.0	88.4	293.7	77.9	137.5	-	94.5	135.6	92.5	430.1	157.0	-
27	115.4	75.1	104.5	136.1	259.3	-	190.5	89.6	289.8	85.3	140.3	-	100.7	133.6	91.3	438.0	158.9	-
28	115.4	87.1	99.2	135.6	232.2	-	183.8	99.7	260.0	81.2	142.0	-	102.9	118.7	90.0	395.9	171.7	-
29	107.2	84.5	96.9	151.2	211.8	-	183.3	100.5	291.0	86.7	139.3	-	112.4	112.5	97.9	363.2	199.3	-
30	113.3	78.9	100.0	164.3	194.4	-	183.7	117.6	249.2	92.7	137.2	-	119.3	108.5	105.9	328.6	221.1	-
31	122.5	-	102.1	169.2	-	-	184.1	-	213.1	98.8	-	-	124.7	-	107.5	311.9	-	-

Table C-3B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	140.2	65.7	127.4	133.9	104.9	138.8	296.6	182.7	144.3	90.6	166.9	197.5
2	130.2	65.8	126.8	146.3	97.1	-	283.4	169.9	144.5	90.2	167.5	-
3	124.3	66.5	126.3	157.0	91.8	-	266.7	152.2	144.9	89.9	185.2	-
4	120.6	66.9	126.3	165.0	88.7	-	273.1	151.2	145.2	89.6	193.9	-
5	120.1	67.3	126.0	169.0	81.2	-	257.3	149.0	145.5	88.6	192.8	-
6	119.9	67.7	126.1	170.1	73.8	-	242.1	172.2	126.8	82.8	190.0	-
7	119.6	67.2	135.9	165.0	70.2	-	214.4	161.3	131.0	77.8	188.8	-
8	120.4	66.6	153.6	162.0	69.5	-	214.9	167.6	135.2	74.3	187.9	-
9	121.3	66.2	165.3	164.9	70.3	-	196.3	173.4	136.8	73.7	188.0	-
10	121.9	66.4	168.0	166.2	70.6	-	180.4	154.1	138.2	73.7	187.9	-
11	115.1	66.9	167.1	165.9	73.5	-	182.4	158.2	116.9	73.5	188.1	-
12	113.0	66.9	167.4	161.2	75.5	-	187.8	160.1	108.9	72.7	194.8	-
13	112.9	67.0	172.1	157.4	77.0	-	179.4	159.3	109.8	64.2	199.8	-
14	112.8	67.1	175.7	155.8	77.5	-	164.3	141.2	123.9	57.0	204.9	-
15	112.8	67.8	175.6	155.9	75.7	-	171.0	144.6	127.8	51.5	199.8	-
16	112.8	71.4	168.1	160.2	77.1	-	170.2	139.1	135.3	55.3	205.1	-
17	109.9	72.1	167.7	161.0	78.5	-	174.5	126.0	138.0	60.6	204.5	-
18	99.8	82.6	147.9	159.7	74.2	-	182.3	115.2	138.7	64.5	210.5	-
19	98.4	95.8	128.0	168.5	71.2	-	189.8	107.4	139.1	71.5	217.0	-
20	90.6	100.7	121.5	178.8	73.5	-	202.3	104.1	139.1	76.3	221.2	-
21	81.0	101.7	120.1	177.2	76.2	-	208.2	114.0	126.9	81.7	226.9	-
22	74.5	114.0	108.2	175.8	77.9	-	195.1	127.2	114.3	89.6	229.6	-
23	68.3	114.6	99.2	178.5	86.4	-	195.1	127.3	117.7	99.1	231.3	-
24	70.5	108.7	91.3	183.7	90.3	-	194.2	117.1	117.6	101.0	232.7	-
25	77.2	114.3	81.7	168.5	93.5	-	193.6	106.9	125.3	109.5	231.4	-
26	74.5	119.8	89.1	162.2	97.4	-	212.9	107.8	124.8	119.5	226.5	-
27	69.0	123.0	94.4	163.4	104.3	-	192.6	108.3	123.4	129.9	216.0	-
28	66.0	125.3	96.7	162.2	112.8	-	183.1	118.9	111.9	141.6	211.5	-
29	65.6	126.7	97.8	151.7	120.9	-	182.8	139.8	94.6	150.3	204.7	-
30	65.5	127.2	103.1	129.2	129.8	-	183.2	143.9	91.6	157.7	199.3	-
31	65.7	-	120.3	115.4	-	-	183.2	-	91.0	164.1	-	-

Table C-4A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	229.3	342.8	257.4	288.4	347.7	308.7	243.1	299.5	242.1	252.2	237.8	241.5	237.2	313.5	248.9	298.5	452.7	362.3
2	228.8	337.7	259.3	292.1	344.9	-	241.9	286.1	281.6	246.1	246.3	-	236.4	323.1	249.8	299.0	441.2	-
3	233.3	333.8	267.0	296.2	349.4	-	253.4	272.4	272.2	232.3	253.4	-	237.0	293.4	253.0	311.3	432.8	-
4	237.8	334.1	269.2	297.6	351.5	-	282.1	275.0	288.1	224.2	259.0	-	260.5	290.2	238.8	301.8	447.7	-
5	238.9	341.0	265.9	295.9	349.0	-	279.4	275.0	299.8	219.4	273.4	-	282.0	291.9	245.5	300.6	515.5	-
6	240.1	344.3	265.9	296.1	349.0	-	278.9	271.1	306.1	216.5	285.3	-	280.4	285.1	246.4	298.7	541.1	-
7	234.9	341.2	267.8	302.3	369.0	-	281.8	263.2	309.7	214.9	294.0	-	282.7	287.5	248.2	298.5	560.5	-
8	221.6	344.0	266.1	304.1	360.7	-	290.1	257.0	314.8	218.6	302.9	-	282.2	291.2	244.8	299.2	588.5	-
9	225.2	344.6	265.7	305.6	352.0	-	297.1	259.1	311.9	209.3	306.0	-	284.8	285.1	246.2	302.4	612.0	-
10	228.5	342.9	271.5	311.9	320.1	-	295.9	260.8	324.6	203.1	307.1	-	290.8	282.6	246.4	302.9	540.2	-
11	232.1	341.1	273.4	342.9	310.3	-	294.7	263.6	332.4	198.0	307.7	-	293.6	282.3	247.4	332.8	528.7	-
12	234.3	340.3	273.2	352.0	302.5	-	293.0	264.3	339.0	194.7	307.1	-	292.3	283.0	262.9	337.3	536.8	-
13	234.8	317.9	274.3	359.7	297.5	-	291.1	257.2	335.3	193.7	301.7	-	291.6	276.6	273.0	347.4	537.6	-
14	250.9	297.3	272.1	365.5	301.5	-	304.7	257.4	319.3	196.3	296.4	-	296.4	276.8	274.0	354.9	508.7	-
15	272.0	291.7	271.6	369.0	305.0	-	318.8	258.2	301.8	199.8	310.1	-	295.5	277.3	275.7	379.5	472.7	-
16	281.0	292.4	271.8	370.2	311.6	-	333.6	255.7	294.4	201.4	316.1	-	293.8	296.6	255.8	402.7	444.7	-
17	284.5	294.5	271.7	363.7	322.5	-	341.4	250.9	293.0	181.7	310.2	-	296.6	303.4	251.3	422.7	424.6	-
18	279.1	261.5	278.3	359.0	333.4	-	330.2	241.0	325.7	183.8	306.8	-	295.7	307.3	249.4	437.3	408.6	-
19	284.8	246.5	282.0	357.2	339.9	-	333.6	234.6	328.6	184.4	306.1	-	294.2	306.5	249.9	448.0	364.2	-
20	301.3	243.6	283.9	354.3	347.9	-	341.7	227.0	331.6	181.2	305.3	-	290.7	304.3	252.3	494.8	341.2	-
21	308.9	245.4	286.3	353.4	353.0	-	353.5	210.2	339.7	181.7	302.6	-	290.2	301.2	254.3	510.0	321.2	-
22	310.1	246.4	287.3	353.2	359.1	-	364.4	208.5	326.5	183.9	294.8	-	290.4	297.7	261.5	529.0	318.6	-
23	311.2	247.2	287.3	353.5	361.6	-	358.0	204.0	323.7	189.0	295.3	-	291.1	292.7	264.3	542.3	309.4	-
24	313.3	247.3	287.1	355.1	363.1	-	345.4	197.6	325.9	190.4	277.1	-	294.5	282.4	267.1	553.2	302.5	-
25	316.6	247.3	286.6	354.0	364.2	-	331.5	199.4	323.7	196.0	261.8	-	281.8	275.3	266.6	562.0	296.5	-
26	319.3	247.9	286.8	331.9	368.6	-	314.8	203.3	332.7	206.0	249.3	-	280.7	272.0	264.3	567.2	294.5	-
27	320.1	246.5	302.6	315.4	371.5	-	302.5	207.0	331.7	215.3	242.3	-	285.9	271.4	263.1	566.7	294.6	-
28	324.0	263.1	294.3	308.0	356.3	-	298.5	218.9	313.3	211.1	251.1	-	284.6	252.1	261.1	529.4	301.5	-
29	320.2	269.8	284.2	321.5	336.0	-	299.8	219.4	327.7	214.4	248.8	-	300.3	246.4	275.3	489.9	333.3	-
30	320.7	260.7	281.5	339.6	319.6	-	300.5	217.0	332.9	222.2	249.7	-	304.4	244.1	293.4	462.6	356.5	-
31	336.4	-	282.3	347.8	-	-	299.7	-	295.3	226.9	-	-	308.3	-	297.1	443.3	-	-

Table C-4A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	277.0	252.4	340.0	323.3	242.7	302.4	354.1	250.4	278.7	234.8	311.2	324.8
2	266.6	255.1	336.7	338.8	236.6	-	353.5	240.8	278.3	236.7	309.3	-
3	261.7	260.1	330.8	348.6	233.9	-	333.9	243.5	278.5	238.0	314.0	-
4	262.6	264.1	328.7	353.1	234.5	-	315.5	246.1	278.0	238.1	323.1	-
5	265.4	267.7	326.7	353.7	233.2	-	304.5	242.6	280.7	238.6	324.2	-
6	268.1	271.1	324.6	357.5	222.3	-	301.9	267.9	256.3	228.5	322.4	-
7	269.8	272.7	323.1	357.2	221.5	-	279.6	250.1	264.5	221.9	323.8	-
8	274.2	273.3	339.3	346.0	221.2	-	285.8	250.2	276.1	218.9	323.1	-
9	278.1	274.4	350.9	343.2	221.8	-	268.8	258.2	276.0	219.3	322.1	-
10	281.8	275.0	353.5	344.2	223.3	-	253.9	253.7	278.4	220.4	322.4	-
11	277.4	275.9	350.2	342.2	227.4	-	245.9	257.0	261.2	220.1	322.0	-
12	274.5	275.3	349.1	342.0	229.0	-	244.9	259.9	254.0	220.5	324.3	-
13	277.3	275.6	346.3	340.7	230.1	-	237.0	261.3	254.0	211.0	323.5	-
14	279.4	276.1	344.7	339.5	228.7	-	224.7	240.6	266.1	203.5	324.0	-
15	280.1	276.1	344.6	340.5	229.3	-	234.0	233.2	278.9	188.8	323.2	-
16	282.4	280.6	339.5	338.7	228.8	-	232.7	232.5	289.2	189.1	332.7	-
17	285.7	282.6	337.7	339.3	231.7	-	238.8	219.5	291.1	200.7	336.6	-
18	271.3	282.7	335.8	335.5	231.7	-	248.2	209.8	290.6	203.6	327.6	-
19	270.8	309.8	306.4	334.4	224.3	-	257.2	204.0	289.4	218.1	336.6	-
20	267.6	322.1	293.1	344.2	224.8	-	269.5	204.2	288.9	224.4	344.7	-
21	252.2	321.7	292.0	342.0	227.2	-	273.5	212.0	281.9	229.0	345.0	-
22	245.9	341.4	277.4	338.1	228.7	-	266.9	231.5	262.4	246.5	349.3	-
23	237.3	354.9	267.9	336.9	242.3	-	266.7	236.2	265.2	258.6	352.3	-
24	234.9	340.9	260.8	334.7	251.2	-	266.2	239.9	266.1	264.3	353.6	-
25	246.2	343.6	249.5	319.4	256.8	-	246.7	230.7	272.6	271.5	353.3	-
26	246.8	347.5	257.8	303.2	265.2	-	259.3	235.0	275.4	280.5	349.6	-
27	243.2	345.6	271.3	301.3	272.8	-	257.3	240.0	273.5	291.2	336.7	-
28	244.7	343.9	272.2	301.5	280.4	-	249.4	242.3	270.4	302.1	332.5	-
29	249.2	342.0	273.3	300.5	287.1	-	250.2	264.8	242.9	308.4	329.3	-
30	250.6	340.8	274.0	270.9	295.3	-	254.5	276.9	232.9	310.7	326.5	-
31	250.9	-	303.5	254.4	-	-	253.2	-	234.0	313.0	-	-

Table C-4B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	246.2	369.9	286.7	297.3	378.7	338.4	279.6	334.7	305.3	317.5	277.2	273.3	252.9	324.4	281.3	308.0	481.6	390.5
2	246.2	364.9	290.1	301.9	377.2	-	279.6	321.3	346.7	298.9	287.2	-	253.0	330.3	283.7	307.9	488.1	-
3	250.8	361.4	297.7	305.0	380.2	-	291.8	316.8	341.5	271.5	295.5	-	253.8	325.1	272.9	316.1	477.5	-
4	254.4	360.9	300.2	306.1	383.3	-	318.0	326.5	360.3	262.3	305.4	-	270.4	328.0	254.6	310.3	490.0	-
5	255.6	364.9	297.9	305.2	381.9	-	321.0	326.6	374.0	256.8	325.3	-	290.8	324.2	259.7	308.4	557.2	-
6	256.3	365.6	297.0	305.4	390.5	-	318.7	322.4	381.7	253.6	338.5	-	293.2	318.0	260.9	307.0	588.8	-
7	252.9	362.8	297.2	310.0	414.3	-	321.6	309.5	387.0	253.3	346.8	-	294.2	319.5	262.4	307.4	611.6	-
8	241.6	365.8	294.8	313.6	406.5	-	333.5	295.6	392.1	253.1	357.1	-	293.4	320.9	260.5	308.3	635.5	-
9	242.6	367.0	295.0	315.0	393.0	-	349.2	294.6	399.0	235.4	361.6	-	295.8	313.4	260.7	311.5	652.9	-
10	244.9	365.0	301.7	324.1	361.4	-	350.0	294.9	429.4	228.0	360.4	-	303.0	310.5	260.6	310.5	587.7	-
11	248.0	363.6	304.3	352.7	351.1	-	349.1	297.0	442.8	223.3	358.4	-	305.8	310.9	266.7	335.4	566.8	-
12	250.3	363.1	304.6	362.0	343.9	-	346.4	299.7	451.2	220.7	355.5	-	304.5	311.9	283.5	342.5	569.6	-
13	252.0	344.6	304.0	368.9	337.6	-	343.8	291.1	443.5	221.2	351.6	-	303.8	308.9	294.6	350.5	565.3	-
14	269.1	324.9	301.6	374.3	341.3	-	363.5	294.2	417.3	224.0	346.9	-	306.9	308.8	296.7	358.3	526.6	-
15	290.7	318.1	301.6	377.8	344.6	-	380.4	299.7	391.4	227.2	363.2	-	306.9	313.0	293.2	387.4	493.7	-
16	300.7	318.6	301.9	377.5	352.0	-	394.4	298.1	383.5	226.2	373.5	-	307.3	332.1	274.8	409.2	467.6	-
17	302.3	315.1	303.3	368.7	364.0	-	397.2	294.2	385.5	207.3	368.4	-	309.5	338.3	270.2	427.7	447.7	-
18	303.3	282.6	312.0	365.1	375.3	-	382.8	282.9	423.4	208.0	363.6	-	309.0	341.3	268.3	443.0	431.7	-
19	311.7	262.8	315.1	363.9	383.3	-	383.9	276.4	428.8	209.1	362.6	-	307.0	340.5	268.0	455.0	395.3	-
20	324.3	256.5	316.4	362.8	392.9	-	390.6	268.1	431.3	206.3	361.9	-	303.1	339.0	268.7	489.5	370.6	-
21	335.4	256.7	317.6	361.6	401.4	-	399.3	243.8	434.3	206.1	354.2	-	302.5	338.2	270.0	508.0	352.3	-
22	337.3	256.6	318.7	361.1	409.1	-	415.4	240.9	421.1	211.0	343.3	-	302.6	336.5	274.9	526.8	350.9	-
23	338.2	257.0	318.6	361.4	413.0	-	404.5	237.7	415.1	217.1	340.0	-	303.1	330.8	278.1	543.1	342.3	-
24	339.8	256.4	318.5	362.9	414.6	-	390.8	233.4	416.6	219.3	308.6	-	302.3	319.9	279.9	555.6	333.1	-
25	341.9	256.0	318.3	363.2	417.9	-	367.3	234.6	415.6	236.6	290.2	-	291.5	311.3	279.4	565.7	325.8	-
26	343.4	256.0	318.3	344.4	423.0	-	349.7	238.2	423.3	250.3	278.3	-	286.9	306.2	277.6	570.0	324.8	-
27	344.3	272.1	313.2	328.9	426.0	-	336.6	241.8	422.2	261.4	278.1	-	291.6	304.6	277.2	564.9	325.5	-
28	347.5	292.0	304.9	322.2	392.6	-	331.5	255.7	400.5	254.3	286.3	-	291.8	286.2	277.4	536.6	335.1	-
29	344.3	299.4	295.5	349.5	365.8	-	331.5	259.6	418.1	253.6	282.2	-	307.7	280.0	287.5	504.1	371.6	-
30	346.7	290.6	293.1	373.6	349.7	-	333.7	275.3	405.3	261.0	281.3	-	314.7	278.3	301.8	478.7	394.7	-
31	363.0	-	293.7	381.3	-	-	334.8	-	363.0	266.3	-	-	319.0	-	306.7	461.2	-	-

Table C-4B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	291.5	268.3	361.6	357.4	270.0	318.5	405.9	318.5	348.6	263.2	336.7	372.6
2	282.6	270.2	355.7	373.0	262.9	-	403.8	310.4	348.8	263.7	333.8	-
3	281.6	273.8	350.0	384.0	259.8	-	381.5	294.6	348.6	265.1	342.0	-
4	283.5	276.1	347.7	389.5	259.7	-	387.1	285.4	349.1	265.3	357.8	-
5	286.3	277.6	346.5	391.2	254.2	-	390.6	284.2	352.4	265.5	359.1	-
6	289.2	279.3	345.4	388.0	243.0	-	382.7	310.3	324.9	257.4	359.2	-
7	291.5	280.7	356.0	386.0	241.6	-	353.9	306.9	319.2	250.4	359.7	-
8	294.2	281.2	374.8	372.2	240.8	-	355.0	306.3	328.0	246.7	357.6	-
9	296.9	281.4	391.4	369.2	241.3	-	338.9	313.3	326.8	247.5	355.7	-
10	299.5	281.9	395.6	370.6	243.6	-	324.5	303.2	328.8	249.2	354.3	-
11	295.0	282.8	392.4	368.6	247.5	-	316.7	302.4	297.5	250.7	353.3	-
12	292.2	283.8	391.0	368.4	249.5	-	327.9	319.5	275.8	250.1	354.6	-
13	295.0	285.2	387.9	367.2	250.8	-	315.7	320.3	279.7	237.3	354.6	-
14	298.3	285.9	387.0	365.6	249.9	-	298.8	297.2	298.8	226.3	355.1	-
15	300.6	287.8	384.3	366.4	250.1	-	308.4	296.7	308.5	212.7	353.2	-
16	303.4	292.2	378.5	365.8	250.2	-	308.1	295.8	317.6	215.5	360.6	-
17	302.0	294.0	376.3	366.1	252.1	-	314.8	282.1	318.8	226.4	361.5	-
18	289.7	298.8	368.8	364.3	246.7	-	327.5	270.7	318.4	231.2	365.7	-
19	287.1	321.9	341.5	372.2	239.4	-	339.2	263.9	317.9	244.5	380.6	-
20	279.0	338.8	323.1	384.2	239.4	-	353.4	263.8	317.6	251.3	388.2	-
21	263.4	341.8	318.5	385.0	241.0	-	358.7	273.5	310.3	255.2	397.4	-
22	256.0	359.7	302.5	382.8	242.2	-	347.8	294.1	294.8	269.9	404.0	-
23	247.7	372.4	290.2	382.8	258.3	-	343.5	303.4	295.2	282.6	407.3	-
24	246.0	359.7	281.1	380.7	270.1	-	340.4	305.1	296.3	289.9	409.2	-
25	259.8	359.8	268.4	360.3	275.8	-	325.2	284.7	302.2	297.7	408.3	-
26	262.0	366.6	276.7	343.6	283.0	-	349.7	288.4	306.0	307.9	403.5	-
27	258.2	366.2	291.1	341.2	290.6	-	334.0	290.3	305.5	316.9	390.8	-
28	257.6	365.0	294.5	341.2	298.4	-	319.3	295.0	303.7	326.8	383.9	-
29	261.6	364.3	295.9	333.2	305.3	-	319.0	325.8	276.1	333.1	378.5	-
30	264.4	363.1	302.3	302.7	312.2	-	321.1	346.3	262.3	335.5	374.4	-
31	266.4	-	332.4	281.8	-	-	319.7	-	262.8	337.2	-	-

Table C-5A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	237.2	403.2	223.9	276.1	333.3	344.4	264.3	313.3	337.2	278.2	276.5	239.6	217.4	341.2	239.2	327.5	580.8	394.1
2	238.2	391.1	225.2	282.2	332.5	-	263.6	297.8	388.1	270.0	286.4	-	216.7	351.2	237.9	327.1	585.4	-
3	247.3	385.6	232.1	284.8	335.9	-	278.3	324.6	333.6	246.3	295.3	-	218.6	297.9	240.2	339.6	570.2	-
4	249.5	383.4	235.0	285.5	339.7	-	301.7	330.1	358.5	237.1	300.5	-	254.8	301.7	219.4	332.9	584.1	-
5	249.9	386.7	233.5	284.9	317.5	-	299.3	330.8	373.7	231.9	321.9	-	274.3	276.9	224.5	331.3	696.7	-
6	250.7	388.7	232.3	305.6	368.9	-	296.3	328.3	381.7	228.2	338.6	-	299.1	269.9	225.1	329.4	736.9	-
7	247.8	383.0	232.5	309.2	395.5	-	297.7	315.2	386.8	225.1	345.2	-	300.1	271.2	226.1	329.4	770.6	-
8	235.1	385.0	230.4	314.3	394.0	-	307.9	300.4	392.4	228.4	357.1	-	299.2	271.6	225.2	330.4	813.5	-
9	236.1	386.2	229.5	308.3	383.3	-	322.7	298.0	396.1	214.7	363.4	-	300.7	260.6	224.6	334.1	846.3	-
10	237.0	384.5	239.6	313.9	352.1	-	324.1	295.3	421.3	206.8	362.7	-	313.3	257.3	223.8	336.5	763.7	-
11	238.2	383.4	242.7	343.2	341.1	-	325.9	294.3	436.8	201.4	357.9	-	317.1	257.2	225.7	359.5	736.2	-
12	239.2	381.6	244.0	354.8	334.9	-	326.5	293.9	448.3	199.0	353.0	-	315.8	258.0	243.6	364.5	787.5	-
13	240.5	319.2	244.8	359.6	330.2	-	326.3	298.1	392.9	200.5	306.1	-	314.9	258.1	254.9	370.0	785.3	-
14	288.9	296.0	241.9	362.3	344.7	-	372.5	327.7	339.1	231.1	302.5	-	316.4	257.1	259.1	372.9	620.5	-
15	320.4	287.1	242.6	364.4	349.1	-	390.5	349.0	302.9	233.4	337.9	-	317.9	257.3	263.2	473.1	585.4	-
16	335.5	284.8	243.5	367.1	356.0	-	406.5	346.7	300.0	238.2	345.8	-	316.7	275.1	244.5	501.6	551.1	-
17	340.9	284.8	243.2	354.7	369.3	-	411.9	343.9	297.8	211.9	339.1	-	320.3	278.0	240.6	527.2	525.7	-
18	335.5	257.0	252.8	350.4	381.4	-	382.5	327.6	338.6	213.8	333.4	-	320.0	282.0	238.1	547.9	505.1	-
19	336.1	238.1	255.4	349.8	390.4	-	381.2	318.4	342.6	215.9	335.0	-	316.6	282.4	237.5	565.5	449.2	-
20	353.5	231.5	255.8	349.9	400.5	-	389.8	310.3	343.9	212.8	333.8	-	310.0	281.8	237.5	630.5	420.4	-
21	359.1	231.1	256.1	349.4	411.5	-	401.8	282.0	350.5	213.3	331.6	-	309.2	281.4	237.2	655.2	396.2	-
22	361.6	229.5	256.9	348.7	420.6	-	387.1	278.9	337.7	215.3	319.3	-	308.9	281.0	241.6	682.7	417.4	-
23	363.7	229.8	256.7	348.4	427.3	-	377.7	275.7	331.9	222.8	316.6	-	308.7	277.4	244.3	706.3	405.1	-
24	363.6	229.4	256.2	348.6	431.1	-	363.3	266.8	333.0	223.0	267.8	-	311.4	265.5	246.7	726.0	393.1	-
25	364.6	228.9	255.8	348.9	433.9	-	350.2	266.9	332.8	257.8	252.5	-	303.5	257.3	246.9	741.1	382.6	-
26	365.7	228.8	255.1	302.4	444.7	-	332.4	269.4	338.1	270.9	243.5	-	296.6	251.5	246.5	741.1	381.9	-
27	365.8	226.6	294.3	283.2	449.6	-	319.2	271.9	339.2	282.9	241.3	-	301.0	249.0	249.2	737.9	386.0	-
28	369.4	251.0	283.8	276.3	393.9	-	313.0	293.0	316.7	260.0	252.1	-	301.9	228.9	249.0	607.4	384.6	-
29	334.0	236.2	275.3	317.6	375.0	-	310.6	300.7	346.8	255.2	246.9	-	324.7	223.4	298.2	559.4	424.0	-
30	368.5	226.8	270.8	335.0	357.0	-	310.8	301.3	362.6	260.8	247.6	-	332.4	222.8	321.7	508.3	452.9	-
31	393.8	-	269.1	338.2	-	-	312.3	-	324.2	264.5	-	-	337.4	-	326.5	486.4	-	-

Table C-5A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	307.7	219.7	294.7	328.4	225.5	271.9	481.2	282.0	322.7	261.2	309.6	381.2
2	299.0	219.1	293.7	344.0	218.9	-	480.6	271.2	324.2	261.8	306.2	-
3	298.6	218.7	288.9	354.9	215.8	-	438.6	272.0	323.4	264.6	343.2	-
4	304.3	219.7	287.2	360.9	214.8	-	419.7	271.5	323.0	264.7	361.1	-
5	306.8	220.0	286.4	363.5	213.8	-	409.4	269.2	324.1	264.9	363.4	-
6	311.5	220.0	285.9	366.0	202.3	-	405.1	320.5	275.2	254.9	364.8	-
7	315.4	219.9	285.5	364.9	200.1	-	368.7	296.9	275.0	247.1	367.7	-
8	319.1	219.6	303.5	350.6	198.5	-	388.9	296.3	285.0	242.2	366.3	-
9	321.3	219.1	320.1	344.8	198.3	-	367.0	305.6	281.8	241.9	364.7	-
10	322.6	218.8	327.9	345.9	199.0	-	350.1	300.0	283.5	243.3	363.0	-
11	316.7	218.4	328.2	347.1	202.8	-	337.5	312.4	252.3	244.7	363.4	-
12	310.1	218.3	327.4	347.0	204.7	-	340.5	325.2	235.3	245.5	366.8	-
13	310.6	218.0	327.5	344.7	205.3	-	329.5	323.3	238.2	212.6	365.5	-
14	313.6	217.9	329.4	342.9	204.1	-	311.4	280.2	280.5	201.9	367.5	-
15	315.3	217.7	331.1	345.8	204.7	-	340.2	273.6	300.2	187.6	369.7	-
16	318.4	224.7	320.7	340.2	204.6	-	337.2	274.4	310.8	187.3	380.1	-
17	320.8	225.2	324.0	341.1	206.1	-	344.4	262.9	310.7	195.5	381.1	-
18	305.9	225.4	322.7	339.9	206.5	-	356.1	251.7	311.4	196.9	395.5	-
19	301.6	243.3	299.6	339.7	199.2	-	368.4	244.2	314.0	210.1	407.7	-
20	260.8	258.5	281.3	353.6	198.4	-	383.9	243.9	313.3	215.9	419.3	-
21	240.3	262.7	275.2	357.5	199.6	-	389.3	250.3	309.6	220.3	432.3	-
22	231.9	277.9	258.9	357.2	199.0	-	344.5	271.1	289.7	234.4	439.1	-
23	223.2	290.7	246.4	360.6	224.6	-	343.0	281.4	293.3	246.1	443.6	-
24	218.8	276.6	236.4	359.8	234.9	-	340.6	284.2	294.0	249.5	447.8	-
25	232.2	279.0	221.1	320.0	239.2	-	317.3	262.4	304.5	255.3	449.0	-
26	227.1	285.3	242.5	302.8	245.2	-	342.6	264.5	309.5	263.8	445.3	-
27	223.3	287.1	256.3	296.5	250.8	-	296.4	265.1	309.5	270.5	404.3	-
28	220.1	289.0	262.3	297.7	255.7	-	281.6	266.1	309.8	300.0	397.4	-
29	219.2	291.6	262.4	299.1	259.7	-	282.6	291.3	282.2	306.6	387.5	-
30	218.9	292.9	262.0	252.2	265.9	-	286.3	315.9	264.6	309.3	383.4	-
31	219.5	-	309.9	236.4	-	-	284.3	-	262.5	309.7	-	-

Table C-5B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	280.8	510.5	289.6	338.7	380.7	337.5	330.3	451.8	428.4	384.0	290.9	296.5	279.9	399.6	326.6	441.7	658.9	457.3
2	281.3	482.0	305.3	350.4	378.4	-	338.1	418.7	503.8	342.5	301.1	-	278.7	419.5	321.4	461.2	649.6	-
3	299.6	475.8	321.0	354.3	380.3	-	363.7	417.8	491.7	310.1	309.5	-	278.8	402.7	293.6	455.4	634.0	-
4	303.7	482.8	319.8	355.0	383.8	-	415.4	428.3	510.8	299.2	329.1	-	321.3	405.5	293.0	442.8	679.6	-
5	305.0	491.9	315.0	354.6	376.4	-	428.4	428.5	529.5	292.0	357.1	-	348.8	382.3	300.4	437.4	804.3	-
6	305.5	492.8	313.8	362.4	421.5	-	425.1	423.2	541.3	287.7	374.0	-	364.8	373.5	303.0	434.9	859.7	-
7	281.6	486.9	313.6	367.6	448.4	-	428.3	381.9	547.8	281.0	382.6	-	367.3	373.0	303.6	436.0	896.1	-
8	260.4	488.3	311.4	352.6	449.8	-	472.0	362.4	564.4	261.9	393.8	-	367.3	375.1	301.7	437.6	944.9	-
9	257.1	489.5	329.0	341.4	389.5	-	496.2	359.1	616.1	242.5	399.9	-	368.7	356.9	299.4	441.3	872.0	-
10	257.6	488.2	347.2	390.3	356.7	-	500.3	356.6	666.4	234.2	400.7	-	390.5	353.2	298.4	436.6	769.4	-
11	259.4	486.8	352.1	427.2	342.2	-	503.1	356.7	688.3	228.1	398.9	-	394.8	353.0	343.3	468.9	725.2	-
12	260.8	484.5	353.6	445.8	335.1	-	502.9	356.7	704.4	224.7	396.5	-	393.9	353.6	375.6	487.2	761.4	-
13	262.2	434.4	339.1	455.1	329.9	-	501.9	347.2	632.2	224.3	371.6	-	393.5	351.3	393.2	495.6	757.5	-
14	306.5	407.9	332.1	462.5	341.0	-	582.0	378.4	549.3	239.1	365.7	-	396.6	349.5	398.9	507.8	656.4	-
15	335.6	393.0	331.4	467.6	345.2	-	613.9	394.4	502.4	243.0	404.1	-	398.8	385.5	356.2	592.0	614.5	-
16	351.7	390.3	331.7	443.7	356.5	-	639.3	390.5	492.4	243.4	420.1	-	406.2	415.0	327.6	630.6	582.2	-
17	355.9	335.0	351.7	422.9	368.5	-	606.4	371.0	491.9	212.1	410.6	-	411.0	423.7	319.9	661.1	558.1	-
18	406.3	291.0	370.4	417.1	379.7	-	554.9	353.4	568.4	213.0	405.8	-	411.6	429.1	316.5	686.2	538.3	-
19	401.7	263.9	375.9	415.8	389.1	-	557.2	344.3	582.1	214.8	407.1	-	409.6	429.8	315.3	707.1	470.7	-
20	419.6	254.5	377.0	415.2	398.9	-	565.7	331.1	584.3	212.4	405.7	-	404.0	430.1	314.4	772.4	438.6	-
21	435.9	253.3	377.3	414.7	408.8	-	583.8	290.1	589.4	211.7	368.1	-	402.2	430.1	326.3	788.9	425.3	-
22	439.9	252.4	378.2	413.8	417.1	-	606.8	285.3	574.0	233.7	354.8	-	402.0	429.8	339.3	819.5	430.4	-
23	441.9	252.5	377.8	413.6	424.3	-	586.9	282.2	562.9	242.1	351.8	-	402.3	410.8	343.4	846.8	424.2	-
24	443.2	253.2	375.5	413.5	428.6	-	558.8	275.1	563.7	243.4	308.1	-	360.5	396.1	344.8	867.5	412.7	-
25	445.9	254.1	373.7	413.7	433.2	-	521.3	277.3	561.3	264.9	286.2	-	341.6	386.5	344.4	883.8	403.6	-
26	447.7	254.6	372.3	361.0	442.2	-	494.7	281.1	586.7	282.1	274.9	-	333.2	379.0	343.6	894.7	402.0	-
27	449.0	289.6	371.8	337.5	444.8	-	474.0	285.9	589.6	294.3	290.1	-	336.3	376.0	342.2	894.5	402.5	-
28	452.7	322.0	355.7	328.8	394.2	-	463.7	315.6	535.7	272.7	308.8	-	338.1	330.7	340.8	780.0	416.9	-
29	432.5	306.9	344.9	371.6	364.1	-	462.1	324.4	578.7	267.5	305.8	-	369.1	318.4	386.5	690.2	473.8	-
30	470.3	295.4	338.7	404.5	348.5	-	464.1	365.9	534.4	274.6	303.9	-	381.3	315.6	432.4	631.5	503.8	-
31	498.0	-	337.7	399.0	-	-	464.7	-	454.4	280.6	-	-	386.2	-	439.2	604.8	-	-

Table C-5B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	380.6	276.0	418.5	468.4	310.4	287.6	636.9	462.4	614.7	327.0	387.2	473.7
2	369.7	274.9	416.8	488.9	301.5	-	576.4	438.3	616.1	326.7	385.8	-
3	367.5	275.4	412.3	503.3	297.2	-	525.5	394.8	616.5	327.1	429.3	-
4	371.1	276.5	410.7	511.5	295.9	-	560.0	377.1	616.5	327.4	452.2	-
5	374.0	276.6	410.1	514.9	258.4	-	571.7	375.8	619.8	326.9	457.4	-
6	377.5	276.4	409.9	507.5	244.5	-	550.5	434.5	539.3	298.1	459.3	-
7	379.9	276.0	476.9	486.8	240.4	-	497.0	423.3	549.8	290.4	460.3	-
8	383.4	275.7	525.9	461.4	238.8	-	515.9	445.7	523.7	285.6	459.4	-
9	385.9	275.4	564.6	451.1	238.8	-	500.8	455.0	520.2	285.0	458.5	-
10	387.9	275.4	581.0	451.3	245.5	-	481.1	406.2	523.8	286.1	458.3	-
11	375.4	275.3	581.9	451.8	250.0	-	497.8	418.6	452.3	286.9	459.2	-
12	368.6	275.2	580.0	451.3	252.4	-	514.6	448.1	411.4	286.4	463.9	-
13	369.1	274.9	579.1	449.8	253.8	-	492.7	446.8	414.5	251.2	465.4	-
14	371.8	274.9	579.6	448.5	253.3	-	467.6	387.3	477.2	225.1	467.5	-
15	372.7	291.3	547.7	450.2	253.3	-	514.7	405.0	494.3	207.6	458.6	-
16	374.0	302.0	528.3	448.9	253.2	-	517.3	402.9	514.8	223.0	484.5	-
17	336.5	304.6	525.6	448.4	254.0	-	526.5	384.7	519.7	237.1	477.9	-
18	307.2	345.2	463.9	448.1	230.9	-	544.1	367.9	520.6	247.9	493.4	-
19	300.2	380.7	420.3	493.7	221.7	-	562.3	356.9	521.4	274.4	517.0	-
20	273.5	403.8	395.7	515.8	219.4	-	582.9	355.0	520.9	283.4	510.5	-
21	243.6	413.8	384.9	523.8	205.4	-	591.7	411.4	453.3	294.9	513.1	-
22	235.1	464.9	341.6	561.9	204.8	-	542.5	447.0	431.6	313.6	525.0	-
23	226.4	426.1	324.3	567.3	233.3	-	529.6	467.6	445.0	327.7	530.8	-
24	254.0	379.8	312.4	567.6	245.2	-	522.8	433.9	445.5	319.1	534.5	-
25	287.1	402.9	278.0	497.4	250.3	-	506.3	405.1	478.2	326.2	534.7	-
26	282.6	410.6	308.0	469.9	256.9	-	537.8	408.9	486.0	336.8	530.6	-
27	279.4	413.2	324.9	460.4	263.8	-	487.9	411.4	485.7	346.5	498.9	-
28	276.6	414.9	331.6	459.8	270.3	-	461.8	498.9	400.8	370.2	488.2	-
29	277.0	416.7	332.1	413.7	276.3	-	463.1	562.2	354.8	379.8	481.7	-
30	277.1	417.6	368.4	351.9	282.2	-	466.3	605.8	330.5	384.0	476.6	-
31	276.6	-	432.0	324.3	-	-	464.8	-	327.2	386.2	-	-

Table C-6A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	245.2	360.0	237.1	270.5	288.9	323.8	284.0	384.7	323.1	340.5	259.8	273.8	232.7	324.6	258.9	302.6	525.5	435.6
2	245.1	346.4	237.1	277.5	287.6	-	281.7	353.1	373.0	328.0	268.6	-	230.1	336.0	260.9	302.5	526.2	-
3	256.2	342.0	250.5	279.7	289.0	-	303.4	359.1	338.3	294.7	274.8	-	228.6	308.9	261.6	320.6	514.4	-
4	260.4	342.4	254.8	280.7	291.4	-	341.9	366.0	359.5	286.2	278.6	-	252.4	312.9	239.3	313.1	539.4	-
5	262.0	347.6	251.3	280.8	291.4	-	352.0	365.7	370.4	280.4	298.9	-	274.7	307.3	246.2	309.9	639.5	-
6	263.5	348.6	250.3	281.5	325.8	-	351.9	364.2	378.1	276.9	313.1	-	281.9	300.9	248.3	308.2	672.2	-
7	261.0	344.9	250.7	285.7	345.4	-	351.9	351.1	382.5	273.8	319.2	-	283.1	300.0	249.3	308.9	696.0	-
8	245.6	345.7	249.4	290.0	352.5	-	362.4	331.6	387.4	277.7	325.2	-	283.2	302.2	248.0	310.0	734.1	-
9	242.7	346.6	249.1	281.0	346.1	-	382.3	330.0	388.0	259.0	329.2	-	283.1	290.5	246.8	311.7	760.0	-
10	243.5	347.0	260.2	282.7	315.7	-	384.4	328.9	417.9	252.0	332.5	-	296.1	288.5	245.7	314.5	671.3	-
11	244.7	348.0	263.9	310.3	299.0	-	385.7	330.0	428.2	246.0	333.0	-	299.1	289.5	245.0	330.5	630.2	-
12	244.8	346.9	264.6	329.1	292.7	-	385.0	329.0	436.8	240.0	333.6	-	298.3	288.9	273.1	344.2	656.0	-
13	245.1	330.6	263.9	336.8	287.5	-	385.0	296.6	436.7	236.5	334.3	-	297.7	286.1	287.4	346.8	657.9	-
14	254.8	309.2	256.5	341.0	300.7	-	434.6	301.3	413.9	235.0	328.7	-	299.0	283.6	294.7	351.3	604.1	-
15	279.3	294.6	256.0	344.1	305.9	-	457.4	311.2	383.5	238.2	358.6	-	301.4	283.6	297.2	387.5	568.4	-
16	294.7	289.1	257.1	345.6	311.2	-	480.0	308.1	377.5	238.7	373.4	-	302.1	305.5	273.0	412.3	541.0	-
17	300.3	289.3	257.2	328.3	322.4	-	494.0	306.9	375.0	214.1	358.2	-	307.6	312.4	266.6	431.6	522.4	-
18	297.0	251.6	271.4	322.9	331.1	-	452.6	294.4	417.8	221.1	353.7	-	309.0	316.2	264.1	446.2	505.8	-
19	298.8	228.0	275.5	322.4	338.0	-	453.1	288.0	424.3	223.2	356.7	-	309.1	317.8	263.7	458.0	444.9	-
20	314.0	219.6	276.3	322.7	345.3	-	458.7	283.6	425.3	221.2	355.2	-	305.6	316.3	263.7	517.8	419.5	-
21	326.0	218.1	276.4	321.9	353.4	-	464.0	253.7	430.1	220.2	354.4	-	305.0	315.5	263.7	522.2	396.9	-
22	328.6	217.6	277.1	321.3	359.0	-	482.0	250.3	420.1	221.1	340.6	-	304.7	315.3	275.3	541.3	408.3	-
23	328.8	217.3	276.6	321.6	363.8	-	467.6	248.9	412.0	229.8	337.8	-	304.5	312.0	278.4	553.3	406.1	-
24	329.2	218.0	273.8	321.9	365.5	-	451.4	242.8	410.4	231.6	292.9	-	307.5	303.3	280.8	566.3	396.9	-
25	330.9	219.7	270.8	321.3	370.7	-	429.8	244.7	407.8	252.5	275.8	-	288.6	298.8	278.7	574.7	390.2	-
26	332.0	220.5	268.7	300.3	383.5	-	411.1	248.2	426.9	263.8	266.3	-	281.0	294.8	277.7	583.7	390.0	-
27	332.6	220.5	282.1	274.7	389.7	-	396.5	252.6	429.2	274.2	260.5	-	281.2	293.4	275.0	590.8	391.2	-
28	333.4	244.9	272.0	263.9	365.8	-	388.5	280.6	384.7	250.4	276.0	-	282.2	261.2	270.1	586.1	394.0	-
29	329.2	252.5	263.3	282.5	345.1	-	387.6	289.3	416.0	241.8	277.4	-	307.0	247.8	271.1	541.1	442.2	-
30	329.1	243.4	256.9	304.8	332.5	-	387.9	289.6	438.0	246.9	278.8	-	317.6	244.3	292.9	493.4	468.9	-
31	348.3	-	254.7	300.0	-	-	385.2	-	392.3	251.3	-	-	321.0	-	300.7	473.2	-	-

Table C-6A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	320.9	215.1	312.8	335.0	217.6	264.2	431.4	372.2	417.1	289.0	300.3	368.3
2	310.3	213.2	315.3	349.9	212.0	-	425.3	342.2	420.0	289.0	300.9	-
3	304.9	212.2	314.3	358.2	209.3	-	404.0	340.3	421.4	287.6	322.1	-
4	306.6	213.6	314.4	362.8	208.8	-	389.7	328.6	421.7	287.1	339.5	-
5	308.5	214.0	314.6	363.9	209.0	-	396.0	324.8	423.9	286.3	342.6	-
6	311.4	214.1	314.8	364.5	198.0	-	395.9	373.1	371.1	269.4	344.5	-
7	312.5	213.8	315.0	354.5	195.4	-	361.7	355.3	370.7	264.0	345.6	-
8	314.1	213.9	343.6	341.3	194.6	-	382.0	351.1	378.4	260.5	346.4	-
9	314.7	214.4	363.2	332.0	193.9	-	367.8	359.1	374.7	259.4	347.1	-
10	315.0	214.5	376.3	330.5	193.2	-	354.4	355.7	378.1	258.6	349.1	-
11	310.7	214.2	380.2	330.5	195.9	-	342.2	375.0	327.6	256.7	350.2	-
12	303.9	212.6	382.4	330.5	197.4	-	354.5	403.5	298.2	256.0	357.0	-
13	302.1	211.1	383.9	328.3	198.3	-	341.8	404.5	296.1	228.2	360.1	-
14	300.6	209.9	389.0	325.9	197.5	-	326.3	349.1	331.7	210.2	361.9	-
15	298.6	209.5	393.1	326.9	196.1	-	362.9	340.7	359.5	193.0	363.2	-
16	297.1	217.8	380.4	327.7	196.3	-	359.9	342.9	372.4	188.4	373.8	-
17	295.7	220.6	376.6	326.3	196.7	-	365.6	328.6	376.7	199.8	374.7	-
18	271.5	222.2	375.8	325.0	197.9	-	378.1	313.1	379.2	203.5	359.8	-
19	263.9	244.0	343.2	323.7	190.2	-	390.3	304.5	380.4	218.3	373.0	-
20	256.2	258.2	323.9	337.7	188.4	-	404.7	303.6	380.7	225.0	383.0	-
21	233.6	263.8	315.7	342.8	189.1	-	410.6	308.3	377.5	227.9	376.7	-
22	227.1	293.2	282.7	342.9	187.3	-	402.9	332.1	352.1	245.4	383.8	-
23	219.5	305.8	269.8	347.7	209.6	-	398.3	345.4	357.5	254.6	388.2	-
24	215.4	281.5	260.6	349.4	221.6	-	396.2	350.7	356.5	248.2	391.0	-
25	235.7	295.7	233.8	311.9	226.3	-	371.4	324.5	378.5	252.2	391.7	-
26	227.3	300.8	253.0	289.8	232.9	-	400.1	327.9	384.1	258.9	390.8	-
27	226.2	303.3	268.1	280.5	240.6	-	393.7	332.0	382.3	267.7	379.4	-
28	224.5	306.4	273.3	278.3	247.0	-	370.8	333.4	375.1	280.2	372.0	-
29	222.9	307.9	273.4	278.9	253.1	-	372.1	377.0	325.0	290.2	370.3	-
30	220.5	310.2	272.2	243.9	258.8	-	374.0	407.4	297.8	295.2	369.2	-
31	217.4	-	311.1	226.8	-	-	373.2	-	289.8	298.2	-	-

Table C-6B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	265.3	409.1	234.7	267.6	307.9	335.1	298.5	406.8	389.3	410.4	270.9	313.3	248.8	359.1	314.7	349.1	537.5	468.0
2	265.2	396.2	244.1	270.8	304.5	-	297.1	378.9	449.8	365.3	280.8	-	247.0	371.3	315.7	351.3	545.8	-
3	275.1	389.9	257.5	274.5	306.0	-	316.1	379.6	448.9	324.2	288.5	-	246.1	367.0	289.9	353.8	536.8	-
4	279.0	396.0	257.8	275.3	309.9	-	352.0	388.0	468.9	313.0	303.9	-	274.1	370.6	276.0	340.6	567.6	-
5	280.0	405.9	252.6	275.2	310.2	-	368.5	389.6	482.4	304.8	330.7	-	300.2	362.5	283.2	335.3	663.2	-
6	279.7	406.5	251.1	277.2	342.6	-	367.1	386.1	494.3	300.2	347.7	-	313.1	349.9	286.5	333.3	722.4	-
7	268.1	402.9	250.4	282.2	367.8	-	368.9	361.5	500.6	295.6	355.7	-	320.3	347.0	287.1	333.3	751.9	-
8	249.1	402.7	248.9	287.2	377.1	-	392.3	340.2	509.1	282.9	363.8	-	321.2	348.1	285.9	335.0	790.9	-
9	242.1	403.2	248.6	279.1	368.6	-	415.7	336.1	540.4	262.2	369.6	-	321.6	340.0	283.6	338.0	802.2	-
10	242.1	403.3	260.3	281.9	333.7	-	420.5	332.8	587.6	254.1	371.1	-	331.7	335.5	282.0	348.6	706.9	-
11	242.3	403.2	265.7	312.0	316.5	-	423.8	331.8	607.2	248.2	370.6	-	337.4	335.0	282.5	367.3	654.9	-
12	242.7	402.1	267.1	329.4	310.2	-	425.1	330.8	622.1	244.0	369.7	-	337.8	334.8	315.7	386.0	671.1	-
13	243.6	362.1	266.2	334.0	305.6	-	425.9	323.8	588.6	241.8	361.9	-	337.9	333.4	332.7	388.4	673.4	-
14	271.7	336.9	262.0	337.5	317.5	-	467.3	332.1	544.9	245.5	355.5	-	339.5	331.4	341.0	393.9	611.1	-
15	299.4	322.3	261.9	340.3	323.4	-	496.3	346.9	502.7	249.1	385.3	-	341.7	352.2	318.5	438.6	572.3	-
16	315.4	316.9	262.9	338.7	333.1	-	516.8	344.3	494.1	248.9	405.0	-	347.8	382.6	290.0	469.3	545.6	-
17	320.6	298.6	265.5	325.4	345.6	-	529.4	342.0	492.8	222.0	394.4	-	352.9	393.4	281.1	491.2	526.2	-
18	336.0	262.5	276.8	318.5	356.7	-	492.5	328.3	553.0	220.5	390.0	-	354.6	397.5	278.1	509.7	510.7	-
19	338.7	236.7	282.5	316.7	366.1	-	489.8	320.3	577.0	222.0	393.7	-	353.8	398.7	276.6	525.5	455.9	-
20	351.4	224.6	283.4	316.8	376.0	-	494.9	312.0	579.8	220.0	394.3	-	350.2	398.6	275.4	578.1	425.8	-
21	368.3	221.5	282.7	316.6	386.4	-	503.4	275.3	584.0	218.2	384.5	-	349.0	399.1	279.3	586.7	407.3	-
22	373.6	220.6	282.6	316.2	394.7	-	521.4	269.8	573.4	223.8	364.8	-	349.2	400.0	293.2	607.8	414.2	-
23	374.1	220.0	282.0	315.9	402.1	-	502.6	267.9	561.7	235.8	360.3	-	349.3	393.5	297.3	627.0	412.5	-
24	374.4	220.5	279.6	315.9	406.6	-	485.0	263.1	557.7	238.4	321.1	-	328.6	375.6	298.6	643.4	403.5	-
25	375.8	221.7	276.9	316.6	411.5	-	450.6	263.8	554.4	252.5	297.2	-	309.4	367.6	297.4	655.9	397.7	-
26	376.9	222.2	274.8	291.9	422.0	-	431.6	265.8	585.3	269.8	287.9	-	300.6	361.0	296.4	664.9	397.9	-
27	377.7	224.8	292.9	269.6	427.9	-	416.8	268.4	590.9	279.9	299.3	-	299.9	357.6	295.6	668.4	399.6	-
28	378.5	249.7	283.7	260.5	386.7	-	409.1	295.2	538.9	260.3	316.8	-	301.7	323.2	293.7	621.1	408.2	-
29	362.7	249.0	274.9	289.7	357.2	-	407.1	306.0	573.5	252.3	318.9	-	329.1	308.5	314.4	572.9	461.9	-
30	374.7	240.3	268.8	318.0	344.6	-	407.5	344.4	535.7	256.9	318.2	-	342.3	305.2	339.4	526.3	489.4	-
31	396.8	-	266.4	316.6	-	-	407.9	-	474.8	262.4	-	-	346.3	-	345.3	501.4	-	-

Table C-6B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	322.5	231.4	338.2	348.6	252.8	256.9	523.7	471.3	502.1	285.7	341.7	447.1
2	313.3	229.6	338.3	364.3	245.6	-	516.7	444.0	504.3	284.7	342.7	-
3	310.0	228.3	336.5	375.3	241.9	-	488.1	411.3	504.9	283.9	366.9	-
4	311.2	228.1	335.8	382.0	240.9	-	504.3	389.8	505.0	283.6	392.0	-
5	311.8	227.6	335.8	384.8	229.1	-	517.9	386.6	506.0	282.7	399.0	-
6	312.8	226.6	336.0	389.3	211.0	-	509.3	435.5	448.2	269.1	401.9	-
7	313.7	225.5	351.0	384.9	206.0	-	464.3	430.2	433.8	262.2	404.6	-
8	314.7	225.0	387.4	371.5	204.6	-	480.8	424.1	433.3	257.4	405.2	-
9	314.9	224.8	413.8	360.3	203.9	-	475.3	438.3	424.3	256.4	405.2	-
10	314.5	224.4	431.6	358.9	204.0	-	458.1	407.8	425.6	256.8	405.9	-
11	305.4	224.2	436.5	360.1	206.7	-	461.3	410.8	373.6	257.2	405.9	-
12	297.4	223.6	437.3	360.0	208.0	-	479.5	444.5	336.2	256.6	411.2	-
13	295.8	223.1	438.7	357.3	208.9	-	459.9	444.4	336.4	232.0	413.7	-
14	296.3	222.6	443.2	354.7	208.2	-	439.6	399.2	373.6	211.1	415.5	-
15	296.3	223.1	445.5	355.6	207.4	-	469.7	407.8	385.1	192.6	401.4	-
16	296.1	230.0	433.4	356.0	207.6	-	478.0	412.5	400.1	200.7	410.4	-
17	295.9	232.3	429.6	354.7	207.7	-	485.0	396.5	407.1	215.3	410.9	-
18	275.9	257.2	389.0	354.5	201.0	-	500.2	379.0	408.5	224.0	416.7	-
19	267.5	286.2	349.1	367.4	190.5	-	516.0	367.3	409.0	241.7	436.1	-
20	253.1	304.9	327.0	389.6	187.4	-	533.0	363.6	408.8	250.9	440.4	-
21	231.3	314.9	315.6	399.1	186.9	-	540.9	393.3	378.2	258.7	450.8	-
22	222.5	345.0	286.5	403.1	184.6	-	519.5	434.1	345.1	276.5	463.1	-
23	213.9	341.1	269.4	411.7	204.4	-	507.2	453.5	343.5	287.8	468.8	-
24	222.8	315.7	258.4	414.3	217.6	-	504.5	436.3	343.3	285.2	472.2	-
25	242.8	321.0	236.7	374.2	222.5	-	499.8	398.9	359.6	290.2	473.0	-
26	240.8	327.0	251.4	347.6	228.0	-	538.4	399.6	366.3	298.5	471.9	-
27	238.5	330.1	268.2	337.4	234.4	-	499.2	400.2	367.2	306.9	458.0	-
28	235.7	332.6	275.4	335.7	240.1	-	469.1	400.5	364.8	320.8	449.5	-
29	234.4	334.9	276.1	331.7	245.9	-	469.7	454.1	319.2	330.8	448.1	-
30	233.7	336.6	278.7	290.5	251.8	-	472.5	489.7	295.0	335.7	447.4	-
31	232.6	-	317.3	264.0	-	-	472.6	-	287.2	339.0	-	-

Table C-7A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	159.6	193.6	117.6	117.3	161.6	190.0	179.5	281.4	213.1	279.3	163.0	197.9	134.6	194.2	156.9	177.0	346.4	354.9
2	159.6	193.8	115.6	117.1	159.5	-	178.4	269.0	254.1	256.1	170.0	-	132.5	204.1	157.3	178.3	352.5	-
3	161.7	190.2	123.5	118.8	160.5	-	183.5	249.6	262.1	226.5	175.0	-	130.5	211.5	155.2	190.1	347.4	-
4	165.6	189.0	127.7	119.3	163.3	-	209.9	254.4	271.7	218.3	179.6	-	130.8	212.2	140.3	182.6	367.9	-
5	166.8	194.5	124.7	119.2	166.0	-	224.4	255.8	279.0	211.3	196.8	-	145.7	210.2	144.3	178.7	436.5	-
6	167.1	195.3	123.5	119.5	167.1	-	224.5	254.7	286.6	207.2	210.5	-	153.0	202.2	146.3	177.3	472.9	-
7	166.2	193.0	122.6	122.0	183.8	-	224.5	245.4	290.9	202.8	217.8	-	157.4	199.5	146.3	177.0	497.8	-
8	151.6	191.5	121.6	125.4	192.4	-	232.1	228.4	294.8	200.7	224.3	-	158.0	199.6	145.6	178.3	541.1	-
9	145.2	190.9	120.8	123.7	190.9	-	248.1	224.2	301.4	182.5	230.7	-	157.6	198.7	143.7	179.7	570.8	-
10	143.6	191.7	125.0	123.7	169.8	-	251.6	220.7	334.1	174.3	235.2	-	159.3	194.9	142.0	182.4	500.7	-
11	142.1	192.0	129.0	139.4	156.8	-	255.0	217.9	350.1	167.4	237.3	-	163.6	194.1	140.3	198.1	455.1	-
12	140.7	190.9	131.0	153.8	150.6	-	258.0	214.3	365.9	162.5	239.6	-	165.4	192.9	155.5	209.4	450.4	-
13	140.3	190.4	130.1	163.2	146.9	-	261.3	206.3	378.3	158.6	242.1	-	166.4	192.5	169.0	211.5	456.5	-
14	139.2	170.0	127.1	168.7	146.5	-	270.4	208.2	356.5	155.1	237.6	-	166.6	190.7	176.4	214.9	441.3	-
15	155.2	158.1	125.0	172.7	150.8	-	292.3	219.7	323.2	157.4	238.9	-	168.2	190.5	178.2	228.7	415.0	-
16	166.7	151.6	124.5	174.9	154.3	-	311.5	218.5	314.6	157.0	254.9	-	169.9	211.6	157.4	247.5	393.2	-
17	172.8	150.2	123.9	169.7	161.7	-	326.3	217.0	312.0	137.0	251.0	-	174.9	222.1	148.6	262.5	377.9	-
18	172.0	132.2	127.6	164.6	167.8	-	315.9	206.9	356.2	135.1	247.5	-	177.1	226.0	146.0	274.3	366.6	-
19	170.5	118.0	130.8	163.6	173.4	-	313.5	201.2	371.1	136.2	249.6	-	178.2	229.0	144.9	284.7	322.0	-
20	176.1	110.6	131.2	164.2	178.4	-	316.9	197.3	373.5	134.9	250.9	-	175.9	229.5	143.8	327.4	301.5	-
21	185.8	108.1	130.4	164.7	185.0	-	320.6	171.8	376.2	133.2	251.1	-	175.2	230.6	142.5	333.6	284.4	-
22	189.1	107.1	130.1	164.7	191.0	-	360.3	167.6	370.3	133.0	235.9	-	175.2	232.4	149.1	347.1	281.1	-
23	189.2	106.4	129.8	164.0	197.5	-	351.9	166.4	361.5	141.5	231.0	-	175.0	231.8	152.2	363.2	282.4	-
24	188.5	106.4	128.6	162.6	203.4	-	340.6	161.8	356.8	143.6	217.2	-	176.4	218.0	152.5	375.6	275.4	-
25	188.4	106.7	127.5	161.2	209.5	-	319.9	161.5	354.8	143.2	196.2	-	167.6	210.5	153.0	387.8	270.3	-
26	188.3	106.9	125.8	161.2	220.0	-	305.6	161.5	374.9	154.7	188.7	-	161.5	204.4	152.2	400.5	269.9	-
27	188.5	106.4	123.8	147.0	228.3	-	294.2	161.2	384.0	161.4	183.9	-	160.3	199.9	151.2	411.8	271.4	-
28	188.4	114.9	123.0	138.1	224.3	-	287.3	173.8	357.1	161.8	197.5	-	161.4	180.5	150.1	423.4	274.6	-
29	186.5	125.2	119.2	140.7	204.3	-	283.9	184.7	346.8	153.5	200.9	-	176.2	165.4	148.0	397.7	317.8	-
30	175.6	121.7	116.1	158.8	196.4	-	282.0	187.1	369.7	154.6	200.8	-	187.1	158.5	161.0	372.5	339.1	-
31	184.8	-	114.1	164.1	-	-	281.7	-	329.9	158.1	-	-	190.9	-	173.1	351.7	-	-

Table C-7A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	228.9	108.5	155.1	172.2	136.0	142.5	392.7	298.7	314.8	172.2	197.8	281.5
2	219.4	106.4	157.6	182.2	131.3	-	383.8	284.9	318.5	171.4	199.6	-
3	212.4	104.8	158.3	188.9	128.4	-	351.5	276.9	319.0	170.3	201.2	-
4	211.0	104.2	159.1	193.6	126.9	-	344.5	257.9	318.7	170.0	217.8	-
5	210.7	103.5	159.1	196.3	126.2	-	358.6	255.9	318.4	169.3	223.8	-
6	211.2	102.4	159.1	197.8	114.0	-	355.2	288.4	280.5	157.2	226.1	-
7	211.2	101.2	159.6	200.0	109.3	-	322.0	283.7	274.1	152.5	228.5	-
8	210.7	100.4	176.0	195.1	107.8	-	337.0	273.9	277.9	148.5	231.1	-
9	209.0	99.8	190.5	188.6	106.9	-	333.5	283.7	270.0	145.9	233.9	-
10	206.5	99.2	202.1	185.7	105.8	-	321.8	282.3	269.7	144.4	237.7	-
11	201.9	98.4	209.7	186.5	105.4	-	309.5	262.3	251.6	142.9	240.0	-
12	192.5	96.5	214.8	187.7	106.4	-	327.9	287.4	220.0	142.1	246.0	-
13	187.7	95.2	218.0	186.4	107.3	-	311.9	287.8	214.9	136.9	252.2	-
14	185.5	93.8	223.3	185.9	107.2	-	296.7	276.4	219.4	122.6	256.4	-
15	183.3	93.5	226.3	187.7	105.8	-	293.7	265.6	241.0	108.1	259.7	-
16	179.4	94.9	224.6	190.4	106.2	-	294.3	271.9	250.8	101.6	269.0	-
17	176.0	97.1	220.0	189.6	106.0	-	299.5	261.0	257.3	109.7	273.5	-
18	162.5	98.0	220.2	189.5	106.6	-	310.9	246.3	259.1	113.5	255.1	-
19	154.0	111.4	195.4	189.7	100.3	-	321.5	237.4	259.8	124.4	268.3	-
20	147.2	120.3	181.1	203.3	97.9	-	333.2	233.9	260.0	130.2	275.6	-
21	131.2	125.7	172.8	211.3	97.4	-	338.5	234.5	258.3	132.6	274.6	-
22	125.3	139.4	154.5	215.5	95.7	-	334.9	259.9	232.2	145.8	280.9	-
23	119.1	149.6	142.4	222.8	100.9	-	325.4	273.2	227.1	151.0	285.1	-
24	114.4	139.9	134.0	226.7	111.1	-	323.8	277.2	227.3	153.0	289.1	-
25	122.0	138.8	122.4	215.7	115.2	-	298.0	252.4	233.9	154.4	290.2	-
26	122.8	142.2	119.8	197.8	118.9	-	319.1	250.7	240.6	159.7	290.8	-
27	122.3	144.7	127.5	187.4	124.6	-	316.6	248.6	242.4	166.4	289.1	-
28	119.7	147.1	133.7	182.4	129.0	-	293.8	244.2	241.0	174.9	281.3	-
29	116.5	149.5	135.9	182.6	133.6	-	293.5	274.8	207.8	185.5	281.3	-
30	113.8	152.2	135.1	160.3	138.1	-	294.6	300.3	185.6	191.4	281.2	-
31	111.3	-	154.1	143.9	-	-	297.5	-	174.2	195.1	-	-

Table C-7B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	161.5	208.0	107.9	110.1	169.4	205.3	201.6	318.7	243.1	306.8	166.0	225.6	132.8	204.4	164.8	171.2	378.2	381.5
2	161.3	205.1	107.2	110.2	167.6	-	200.0	300.0	284.4	272.6	173.6	-	131.0	212.6	164.6	173.2	399.9	-
3	165.6	200.8	112.7	111.4	168.6	-	209.4	292.9	289.1	239.1	180.1	-	129.8	213.4	155.0	178.3	399.1	-
4	168.6	199.1	116.6	112.1	172.1	-	235.0	300.8	294.9	225.0	188.9	-	139.0	216.2	141.1	174.3	416.8	-
5	169.1	203.0	115.4	112.2	175.7	-	252.9	305.1	302.7	216.4	207.9	-	153.2	215.8	140.6	169.6	490.3	-
6	168.3	204.4	113.9	112.6	182.6	-	255.2	303.2	312.5	211.2	223.4	-	162.2	208.2	143.1	167.8	556.7	-
7	165.2	202.7	112.8	114.6	202.7	-	256.3	288.4	318.4	206.1	233.0	-	167.9	204.6	143.4	167.2	589.8	-
8	152.3	201.1	111.8	117.8	212.4	-	269.0	263.8	323.3	201.1	240.1	-	169.4	204.5	142.6	168.1	630.2	-
9	143.7	200.3	111.0	117.8	211.4	-	292.9	256.4	333.7	182.5	246.8	-	169.2	203.1	140.8	170.0	662.6	-
10	141.5	201.0	114.0	118.0	190.1	-	300.5	252.4	371.4	174.5	251.3	-	171.4	199.1	139.0	173.1	589.5	-
11	139.9	201.4	117.6	131.8	176.1	-	304.9	249.3	389.4	168.1	253.5	-	176.3	198.2	137.2	186.2	537.0	-
12	138.8	200.6	119.0	144.6	170.0	-	308.7	245.8	405.4	163.3	255.7	-	178.6	197.4	151.1	196.4	540.5	-
13	138.4	186.8	118.3	151.6	166.4	-	312.3	228.9	406.0	159.6	255.9	-	179.5	196.2	163.9	199.8	549.5	-
14	147.1	169.3	115.9	156.0	169.4	-	343.9	228.8	380.3	158.1	252.1	-	180.1	194.2	171.1	203.3	502.9	-
15	163.0	158.2	114.4	159.5	174.4	-	375.3	240.3	347.2	160.1	268.5	-	181.4	194.0	172.3	228.0	464.8	-
16	174.5	152.2	113.9	161.8	180.5	-	397.0	241.5	334.5	159.7	290.7	-	183.1	212.1	154.7	251.8	440.9	-
17	180.1	150.0	113.6	158.2	190.6	-	413.1	239.1	332.5	140.6	291.2	-	187.3	223.9	144.8	268.8	423.4	-
18	179.2	132.3	116.3	154.1	199.6	-	395.1	229.0	375.8	132.8	287.0	-	189.3	228.4	141.2	284.1	410.3	-
19	178.5	117.0	119.3	152.6	207.6	-	389.8	221.3	405.1	133.7	288.8	-	190.0	231.0	139.3	298.4	365.5	-
20	182.0	107.1	120.1	153.5	214.9	-	393.3	214.2	410.8	132.3	291.5	-	187.8	232.3	137.7	340.6	335.8	-
21	191.3	102.6	119.4	154.4	224.4	-	400.3	187.9	414.5	130.3	292.1	-	186.4	234.1	136.2	360.7	317.0	-
22	197.0	100.8	119.1	154.6	233.3	-	421.8	182.0	408.9	129.9	276.4	-	186.2	236.7	140.5	374.6	318.1	-
23	197.7	100.1	118.9	154.4	242.3	-	402.2	179.8	399.3	137.8	270.6	-	185.9	235.9	144.3	393.4	320.7	-
24	196.3	99.9	118.1	153.8	249.6	-	389.5	176.0	393.8	141.0	239.6	-	185.5	222.9	145.5	409.2	313.6	-
25	195.7	100.0	117.2	153.7	256.1	-	361.3	174.4	391.9	152.4	216.2	-	177.6	213.7	146.3	423.8	308.2	-
26	195.4	100.2	116.0	149.8	265.6	-	346.2	174.2	409.1	164.9	208.0	-	170.3	207.0	146.1	437.1	307.7	-
27	195.7	100.0	118.2	137.8	272.7	-	332.8	174.3	420.5	171.9	210.2	-	168.3	202.5	145.7	447.5	309.3	-
28	195.5	108.7	117.0	130.7	246.4	-	324.6	188.5	390.4	164.8	223.8	-	169.4	182.9	144.8	442.5	315.1	-
29	193.0	114.4	113.6	144.8	221.9	-	321.4	200.2	395.9	156.7	228.7	-	184.4	168.2	147.9	413.3	359.8	-
30	189.5	111.4	110.6	164.4	212.6	-	320.0	214.3	397.8	156.9	228.7	-	196.1	162.6	160.1	385.0	385.1	-
31	199.1	-	108.6	170.0	-	-	319.4	-	358.0	160.4	-	-	200.3	-	167.3	363.7	-	-

Table C-7B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	237.8	105.3	157.1	155.4	136.0	141.0	437.7	368.5	341.8	168.2	200.2	324.6
2	228.6	103.2	158.3	165.6	129.8	-	429.5	350.2	345.7	166.8	203.1	-
3	223.2	101.1	158.3	173.7	126.1	-	399.2	321.7	345.4	165.7	212.0	-
4	221.9	99.7	158.3	179.6	124.1	-	407.3	295.0	344.2	165.1	233.2	-
5	220.8	98.4	158.5	183.2	122.2	-	426.4	289.6	342.7	164.3	242.8	-
6	219.3	97.0	158.9	186.2	110.8	-	419.5	320.6	305.0	154.9	245.9	-
7	218.1	95.8	159.8	190.1	105.2	-	382.9	326.5	287.7	148.8	249.5	-
8	216.4	95.1	174.1	187.0	103.6	-	392.4	313.8	289.1	144.4	252.8	-
9	214.3	94.4	189.2	181.5	102.7	-	395.1	326.6	280.8	141.9	255.9	-
10	211.7	93.9	201.1	178.7	101.9	-	378.5	321.0	279.6	140.5	259.6	-
11	206.9	93.1	208.9	179.5	102.2	-	365.4	313.0	249.3	139.5	262.3	-
12	197.5	91.7	213.0	180.5	103.2	-	379.3	342.5	217.9	138.7	267.6	-
13	192.9	90.5	215.4	179.9	104.1	-	364.0	347.8	210.3	127.7	273.2	-
14	191.0	89.8	218.7	179.6	104.1	-	347.9	312.9	226.3	115.3	277.5	-
15	188.7	89.5	221.0	181.6	103.4	-	368.0	301.1	240.0	103.3	272.4	-
16	186.0	91.1	217.4	184.1	103.5	-	380.7	305.4	248.6	100.3	280.5	-
17	183.3	92.6	213.6	184.5	103.4	-	385.5	294.2	255.7	106.6	286.0	-
18	169.5	96.9	204.9	185.4	103.1	-	396.9	278.1	258.2	111.7	287.6	-
19	159.5	108.5	183.6	188.0	97.7	-	409.7	265.5	259.1	120.6	304.2	-
20	148.9	119.4	167.3	201.3	94.6	-	423.2	258.4	259.6	128.1	312.9	-
21	132.0	126.6	157.4	211.9	93.9	-	431.4	262.2	252.6	131.7	318.4	-
22	122.9	139.8	141.4	218.2	92.9	-	420.2	286.7	228.8	144.2	328.3	-
23	115.6	151.7	127.5	226.3	101.2	-	403.5	303.8	219.6	151.5	333.5	-
24	110.9	144.2	119.0	232.2	111.0	-	402.1	308.1	219.5	155.1	337.9	-
25	117.4	141.9	108.6	220.2	115.3	-	379.1	278.1	224.3	156.7	339.4	-
26	118.0	145.7	106.7	202.7	118.7	-	405.4	270.8	231.7	162.0	339.9	-
27	116.3	148.4	113.2	192.7	123.3	-	399.9	268.7	234.1	168.4	333.0	-
28	114.1	150.9	118.6	188.9	127.5	-	368.1	265.4	232.8	177.6	324.3	-
29	111.4	153.1	120.4	188.7	131.7	-	364.3	298.2	202.9	187.1	323.5	-
30	109.3	155.2	120.0	164.8	136.4	-	366.0	326.2	182.1	192.6	323.9	-
31	107.3	-	136.9	144.9	-	-	368.5	-	171.5	196.6	-	-

Table C-8A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	87.7	89.0	48.0	43.5	83.1	119.4	114.2	213.9	129.1	215.7	91.0	144.9	70.6	105.6	85.4	81.0	230.1	279.4
2	89.9	92.0	46.8	43.4	82.4	-	113.1	208.9	152.3	189.9	95.7	-	70.5	109.9	85.3	82.7	249.5	-
3	89.0	90.8	48.6	43.7	82.9	-	113.3	192.2	171.4	164.0	99.9	-	68.7	114.9	84.3	85.3	250.3	-
4	90.9	89.6	51.2	44.0	84.9	-	124.3	196.1	176.3	154.3	104.1	-	68.2	119.4	74.1	83.9	254.3	-
5	91.8	91.2	51.0	44.1	87.3	-	136.8	199.4	179.7	146.9	117.2	-	75.4	119.5	73.1	81.3	296.4	-
6	91.7	91.9	50.3	44.3	88.8	-	139.2	196.8	186.5	142.4	127.4	-	80.7	115.0	74.5	80.0	337.2	-
7	90.5	91.1	49.6	45.2	99.3	-	140.8	188.9	191.0	138.4	135.6	-	84.1	112.4	74.8	79.6	362.7	-
8	83.2	89.9	49.0	46.6	105.9	-	146.1	170.8	194.4	132.8	141.5	-	85.0	111.9	74.3	79.9	392.9	-
9	77.1	89.0	48.6	48.1	108.0	-	160.5	163.5	202.5	118.4	147.4	-	84.7	112.3	73.4	80.7	422.4	-
10	74.8	89.2	48.9	48.5	101.0	-	166.4	159.7	229.0	111.6	152.9	-	84.4	110.1	72.1	82.3	387.2	-
11	73.2	89.6	50.4	52.4	91.8	-	170.0	156.1	243.9	105.1	156.6	-	86.8	109.2	70.4	93.8	349.3	-
12	71.8	89.2	51.6	59.2	86.1	-	173.5	151.9	259.9	100.3	160.4	-	88.8	108.6	72.2	101.1	335.6	-
13	71.0	88.4	51.7	65.1	83.1	-	177.6	146.7	270.2	96.0	163.8	-	90.1	107.9	79.0	104.4	346.1	-
14	70.2	80.5	50.6	69.2	82.2	-	185.0	142.0	260.0	92.6	163.9	-	90.5	108.6	83.2	106.5	333.0	-
15	75.8	73.3	49.3	72.2	84.4	-	207.0	149.6	234.3	92.2	164.2	-	91.0	107.8	85.1	115.5	310.0	-
16	81.9	68.8	48.4	74.2	87.6	-	224.2	151.8	220.7	91.7	181.0	-	92.1	120.1	75.8	129.0	292.7	-
17	86.2	66.9	47.8	74.4	93.8	-	239.7	149.7	218.0	78.1	187.0	-	93.9	130.0	68.7	140.2	279.6	-
18	87.1	62.5	47.7	72.5	98.9	-	250.0	141.8	252.0	71.4	184.4	-	96.0	134.6	65.8	150.4	270.6	-
19	84.7	55.3	48.5	71.7	103.7	-	250.2	136.3	273.2	71.8	185.7	-	97.0	137.7	64.3	159.5	246.1	-
20	85.5	49.9	49.0	72.2	108.0	-	252.7	131.8	278.3	70.9	188.1	-	96.1	139.0	63.4	180.4	226.6	-
21	90.2	47.2	48.7	72.9	113.8	-	256.6	112.3	281.9	69.5	189.3	-	95.4	140.4	62.3	194.6	212.1	-
22	93.4	45.9	48.5	73.0	119.9	-	292.3	108.3	278.3	68.7	180.2	-	95.2	142.7	63.3	203.9	207.8	-
23	94.0	45.4	48.2	72.8	126.4	-	282.5	106.6	271.5	72.3	174.1	-	94.8	143.8	65.2	216.1	211.1	-
24	93.2	45.3	47.8	72.0	133.0	-	273.7	104.2	266.6	74.9	165.2	-	95.2	133.8	66.2	227.9	206.9	-
25	92.3	45.3	47.5	71.1	139.2	-	250.9	102.1	265.4	77.1	145.0	-	94.5	126.0	66.9	239.6	202.5	-
26	91.7	45.2	46.8	71.0	147.0	-	240.1	100.9	269.3	84.3	137.6	-	90.6	120.2	66.9	252.6	201.1	-
27	91.7	45.1	45.9	66.7	152.5	-	230.1	99.6	281.7	88.4	133.1	-	88.9	115.9	66.5	264.7	201.4	-
28	91.3	45.8	47.0	63.3	148.4	-	223.3	101.1	279.2	92.2	141.0	-	88.9	109.6	66.3	271.7	205.5	-
29	89.3	49.5	45.8	64.8	130.9	-	219.4	109.8	257.3	87.0	146.3	-	91.5	96.7	67.0	266.4	243.2	-
30	85.5	49.4	44.8	75.4	124.6	-	216.8	113.6	271.8	85.5	146.4	-	99.8	89.3	70.9	251.2	262.9	-
31	86.8	-	43.8	81.5	-	-	215.3	-	251.1	87.7	-	-	104.1	-	77.4	237.0	-	-

Table C-8A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	161.1	48.7	66.5	67.5	72.2	68.4	357.0	254.1	188.5	90.4	107.0	204.4
2	153.0	46.6	67.7	73.2	68.3	-	347.2	249.6	193.9	89.4	109.2	-
3	148.2	45.3	68.6	77.3	65.8	-	306.5	236.7	194.1	88.6	111.4	-
4	145.1	44.2	69.3	80.6	64.2	-	301.4	215.1	193.5	88.1	124.0	-
5	143.6	43.4	69.4	82.9	63.0	-	316.4	210.7	191.9	87.5	131.0	-
6	142.8	42.4	69.6	84.8	56.9	-	312.2	221.3	177.9	84.5	133.5	-
7	141.1	41.6	70.0	89.2	52.6	-	279.1	233.3	161.5	80.3	136.2	-
8	138.9	40.9	74.6	89.8	50.9	-	276.6	224.6	161.2	77.2	139.5	-
9	136.3	40.4	81.6	87.9	50.1	-	279.6	233.5	156.4	74.7	143.1	-
10	133.2	40.0	88.0	85.8	49.3	-	266.7	234.6	154.6	72.8	147.3	-
11	129.5	39.4	93.8	85.5	48.6	-	254.8	201.3	153.1	71.3	150.9	-
12	121.8	38.5	98.2	86.3	48.7	-	268.7	222.1	130.1	70.3	156.2	-
13	116.1	37.5	101.0	86.4	49.3	-	253.5	228.9	120.7	67.6	162.6	-
14	113.0	36.6	103.7	86.6	49.2	-	241.7	224.6	121.1	59.3	167.9	-
15	110.7	36.1	105.5	88.3	48.6	-	232.2	206.0	133.9	52.1	172.4	-
16	107.2	36.1	106.2	90.5	48.7	-	240.1	203.9	139.3	47.1	176.7	-
17	103.6	36.9	104.0	90.9	48.6	-	246.3	195.6	144.2	48.9	181.2	-
18	99.3	37.3	103.7	91.7	48.8	-	255.5	183.1	146.3	51.4	174.1	-
19	90.9	41.9	93.1	92.6	46.3	-	263.9	173.5	147.0	55.1	183.8	-
20	81.2	46.7	83.9	99.4	44.4	-	272.6	167.3	147.6	59.1	189.4	-
21	70.4	50.3	78.0	106.0	43.7	-	277.8	164.4	146.9	61.1	195.5	-
22	65.0	53.7	72.3	110.8	43.3	-	276.3	178.3	132.7	66.3	198.6	-
23	60.1	59.9	63.8	115.5	43.4	-	265.3	189.5	124.2	70.1	202.4	-
24	56.2	59.0	58.3	120.2	48.3	-	265.1	193.1	123.2	74.1	205.8	-
25	57.4	56.1	54.0	122.0	51.7	-	252.8	171.1	122.8	75.5	207.5	-
26	59.4	57.4	48.7	114.0	53.9	-	271.8	163.5	126.7	78.5	208.9	-
27	58.6	58.8	49.5	106.2	57.0	-	276.9	160.2	129.0	82.4	207.9	-
28	57.4	60.1	52.2	101.3	59.7	-	252.5	155.0	129.7	88.1	201.4	-
29	55.3	61.8	53.7	100.1	62.6	-	246.3	160.7	119.8	95.8	201.4	-
30	53.1	64.6	52.8	91.1	65.6	-	247.6	177.3	103.7	101.0	202.6	-
31	51.0	-	57.9	78.3	-	-	251.1	-	94.0	104.5	-	-

Table C-8B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	93.6	96.7	47.0	42.0	86.4	121.5	124.8	249.8	140.7	225.7	89.6	153.1	70.0	106.5	85.0	76.0	263.0	294.6
2	94.1	98.0	46.1	41.9	86.8	-	123.9	238.2	164.6	196.5	94.6	-	69.0	110.6	84.2	78.1	283.9	-
3	95.2	96.4	47.4	41.9	87.6	-	127.4	229.5	174.7	170.6	99.6	-	67.8	113.1	82.1	80.4	291.6	-
4	96.8	94.7	49.6	42.1	89.9	-	141.1	232.2	177.4	154.4	104.6	-	68.6	116.1	73.1	80.2	299.0	-
5	97.3	95.0	50.3	42.2	92.9	-	155.9	237.0	181.6	146.3	117.2	-	74.9	117.7	69.7	77.8	350.6	-
6	96.6	95.0	49.8	42.5	94.7	-	162.0	234.0	187.3	140.8	127.8	-	79.6	115.4	70.4	76.2	412.4	-
7	95.8	94.4	49.1	43.5	105.1	-	165.7	221.5	192.5	136.4	137.3	-	83.0	112.4	70.9	75.6	447.3	-
8	89.0	93.4	48.5	44.6	112.6	-	175.2	201.7	196.5	130.9	143.5	-	84.6	111.4	70.6	75.7	487.3	-
9	81.9	92.1	48.2	46.1	115.1	-	191.7	190.8	203.2	116.9	149.2	-	84.7	111.6	69.7	76.8	513.1	-
10	78.6	92.1	48.5	46.6	106.2	-	201.4	185.8	229.7	109.6	154.4	-	84.5	109.8	68.4	79.5	466.9	-
11	76.9	92.3	49.9	51.1	96.5	-	206.3	181.4	246.4	103.7	157.9	-	86.5	108.7	67.3	89.0	420.8	-
12	75.6	92.0	50.9	57.5	90.9	-	210.9	176.8	260.9	99.3	161.1	-	88.4	108.3	70.5	95.9	409.3	-
13	75.0	90.7	50.7	62.8	88.1	-	215.9	159.4	271.3	95.5	164.2	-	89.6	107.3	77.0	99.8	419.8	-
14	74.7	82.0	49.9	66.3	88.1	-	239.9	153.0	260.9	92.7	163.9	-	90.2	106.4	81.9	102.2	385.8	-
15	81.1	75.1	48.7	69.0	90.7	-	269.1	160.0	237.7	92.7	171.9	-	90.6	106.4	83.6	115.7	350.9	-
16	87.7	70.9	47.8	70.8	94.6	-	290.4	163.0	223.4	92.2	189.4	-	91.4	117.2	74.8	132.5	331.1	-
17	91.9	68.7	47.3	71.0	100.9	-	307.8	161.0	220.5	80.6	197.3	-	93.3	127.1	67.5	144.9	316.2	-
18	92.4	62.3	47.3	69.7	107.5	-	309.5	153.7	248.4	72.5	196.5	-	95.0	132.7	63.9	156.6	305.3	-
19	90.3	54.7	48.1	68.9	113.5	-	308.0	146.8	275.8	71.5	197.3	-	95.4	135.7	62.1	168.3	273.6	-
20	90.3	48.7	48.6	69.3	119.1	-	310.6	140.6	285.3	70.6	200.4	-	94.0	137.5	60.8	194.7	246.3	-
21	93.5	45.1	48.4	70.0	126.0	-	316.8	121.5	289.3	69.0	202.6	-	92.8	139.3	59.6	218.9	230.7	-
22	97.5	43.5	47.8	70.4	133.5	-	341.5	116.1	286.2	68.0	195.7	-	92.3	141.9	59.9	231.8	225.4	-
23	99.0	43.1	47.2	70.4	141.2	-	325.7	113.7	279.6	70.8	189.1	-	91.7	142.6	61.5	246.5	229.1	-
24	98.3	43.1	46.6	70.1	148.3	-	315.1	111.0	274.0	73.8	172.1	-	91.8	133.6	62.6	261.6	225.1	-
25	97.1	43.0	46.3	69.8	154.9	-	292.5	108.2	272.3	79.2	151.8	-	91.5	124.8	63.4	275.7	220.6	-
26	96.4	42.9	45.7	69.7	162.5	-	280.5	106.6	279.2	86.7	143.5	-	88.4	118.7	63.7	289.9	219.1	-
27	96.5	43.2	44.8	65.5	166.9	-	268.5	105.8	290.7	91.1	140.3	-	86.5	114.4	63.5	302.9	220.2	-
28	95.9	45.2	45.0	62.4	152.6	-	260.3	111.0	279.4	91.0	148.2	-	86.3	104.9	63.3	311.2	225.0	-
29	94.2	48.7	44.0	68.0	134.4	-	256.0	119.8	269.6	86.3	154.2	-	92.0	93.3	63.4	298.6	260.2	-
30	90.4	48.5	42.9	78.8	127.0	-	253.3	124.1	282.8	84.6	154.8	-	100.0	87.0	67.9	281.2	282.2	-
31	92.5	-	41.9	84.1	-	-	251.9	-	261.3	86.3	-	-	104.2	-	73.1	266.0	-	-

Table C-8B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	169.7	46.7	64.6	63.1	70.4	67.3	367.2	300.7	207.0	88.5	107.1	223.4
2	161.3	45.2	65.3	69.2	65.8	-	356.8	287.6	212.9	86.9	109.8	-
3	155.8	43.7	65.7	74.0	62.8	-	327.6	266.7	213.2	86.0	114.0	-
4	152.9	42.4	66.0	77.7	61.0	-	322.2	240.6	212.1	85.3	126.0	-
5	150.8	41.4	66.3	80.5	59.0	-	337.1	229.6	210.0	84.5	135.1	-
6	148.5	40.3	66.6	83.4	54.0	-	336.2	245.1	190.8	80.7	138.8	-
7	146.3	39.5	67.0	87.3	49.5	-	305.1	257.5	173.7	75.7	142.1	-
8	143.3	38.8	70.7	88.8	47.7	-	303.7	250.1	171.5	72.5	145.5	-
9	140.5	38.2	77.1	87.5	46.9	-	309.7	255.3	168.2	70.3	149.1	-
10	137.2	37.8	83.3	85.7	46.2	-	296.6	255.0	165.5	68.8	153.3	-
11	132.3	37.2	88.6	85.4	45.8	-	284.3	236.0	153.5	67.6	156.8	-
12	125.5	36.4	92.4	86.2	46.1	-	294.4	257.6	131.4	66.5	161.4	-
13	120.2	35.5	94.6	86.4	46.7	-	284.2	269.3	120.9	63.5	167.1	-
14	117.2	34.9	96.6	86.7	46.7	-	271.8	243.4	122.8	56.4	172.2	-
15	114.8	34.5	97.9	88.3	46.3	-	284.0	220.2	134.7	49.9	176.6	-
16	111.8	34.5	97.9	90.5	46.3	-	299.0	219.6	140.2	45.3	181.8	-
17	108.6	35.0	96.1	91.5	46.2	-	302.9	211.7	145.4	46.4	187.7	-
18	101.4	35.4	95.3	92.5	46.4	-	311.4	198.7	148.4	49.1	187.3	-
19	92.9	38.9	87.0	93.7	44.6	-	321.6	186.7	149.5	52.3	198.3	-
20	85.1	43.5	78.2	99.7	42.6	-	331.7	178.0	150.1	56.6	204.6	-
21	73.8	47.4	71.7	107.0	41.8	-	339.0	174.5	148.5	59.6	211.4	-
22	66.0	51.9	64.8	112.9	41.6	-	336.5	185.1	136.7	65.7	218.1	-
23	60.4	58.6	56.3	118.2	43.5	-	322.3	197.3	126.7	71.1	222.5	-
24	56.0	58.9	50.8	123.7	48.4	-	319.5	202.1	124.2	75.1	226.2	-
25	56.1	56.6	46.7	124.4	51.6	-	303.6	183.3	124.0	77.0	228.1	-
26	56.3	57.5	42.9	116.3	53.5	-	317.1	171.4	127.8	79.9	229.3	-
27	54.9	58.9	43.9	108.9	56.2	-	328.4	167.6	130.4	83.7	227.8	-
28	53.8	60.2	46.1	104.6	58.8	-	303.7	163.4	130.5	88.9	221.7	-
29	52.0	61.7	47.5	103.4	61.4	-	294.3	176.5	116.3	95.6	220.8	-
30	50.1	63.2	47.7	90.5	64.3	-	295.9	194.1	101.9	100.4	222.0	-
31	48.4	-	54.1	77.2	-	-	299.4	-	92.8	104.0	-	-

Table C-9A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	25.4	17.7	8.2	6.6	19.9	38.8	43.6	119.1	41.2	94.4	24.3	60.6	17.0	26.5	21.6	13.9	103.3	151.3
2	25.6	18.4	8.1	6.6	20.7	-	43.1	115.5	47.8	80.4	25.8	-	16.7	27.5	20.5	14.7	108.4	-
3	25.9	18.9	8.1	6.5	21.2	-	43.1	111.4	55.8	69.9	27.6	-	16.3	28.7	19.9	15.2	116.7	-
4	26.0	18.7	8.4	6.5	21.9	-	44.8	110.5	56.6	60.4	29.5	-	16.1	30.7	18.5	15.8	120.5	-
5	26.2	18.5	8.7	6.4	22.8	-	50.8	112.5	57.9	55.6	33.6	-	16.2	32.2	16.4	15.4	134.2	-
6	26.1	18.3	8.8	6.5	23.9	-	55.4	114.7	58.5	52.2	37.9	-	17.2	32.6	15.9	14.9	165.4	-
7	25.6	18.1	8.8	6.5	25.2	-	57.0	108.9	60.5	49.5	42.2	-	18.0	31.9	15.9	14.7	186.1	-
8	25.0	17.9	8.7	6.7	27.5	-	60.6	98.8	62.4	47.0	46.1	-	18.6	31.2	15.9	14.5	208.9	-
9	22.5	17.5	8.6	7.0	29.3	-	66.5	89.5	64.8	40.8	49.5	-	18.8	30.9	15.7	14.6	234.8	-
10	20.5	17.3	8.6	7.3	30.2	-	72.6	84.4	73.8	36.0	52.8	-	18.8	30.9	15.4	15.0	242.3	-
11	19.4	17.3	8.7	7.6	28.1	-	76.4	80.7	83.8	32.9	55.7	-	18.7	30.6	14.9	16.3	219.0	-
12	18.6	17.2	8.9	8.6	25.4	-	79.5	77.0	92.0	30.4	58.5	-	19.2	30.1	14.6	19.5	200.7	-
13	18.1	17.0	9.0	10.0	23.5	-	82.9	72.4	99.3	28.1	61.0	-	19.8	29.8	14.8	22.1	200.5	-
14	17.7	16.8	8.8	11.2	23.0	-	88.1	62.3	103.1	26.4	63.4	-	20.2	29.4	15.7	23.6	195.8	-
15	17.4	15.6	8.7	12.2	22.8	-	105.5	61.5	98.0	25.1	64.9	-	20.3	29.4	16.6	25.6	173.4	-
16	18.1	14.4	8.4	12.9	24.0	-	119.2	64.0	88.6	24.5	72.1	-	20.4	30.5	16.4	30.8	162.1	-
17	19.1	13.6	8.1	13.3	25.7	-	132.7	64.1	84.3	23.2	79.3	-	20.6	34.6	14.3	35.0	152.9	-
18	19.8	13.1	8.0	13.5	28.0	-	143.5	61.8	86.2	19.8	81.8	-	21.0	37.9	12.8	39.3	146.7	-
19	19.4	11.7	7.9	13.4	30.2	-	151.1	58.2	98.4	18.4	82.2	-	21.4	40.1	11.9	43.5	137.6	-
20	18.5	10.2	7.9	13.4	32.4	-	154.3	54.8	106.0	18.1	83.6	-	21.1	41.3	11.5	49.2	120.6	-
21	18.5	9.1	7.9	13.6	34.7	-	157.9	45.4	109.4	17.6	85.5	-	21.0	42.2	11.1	59.4	110.8	-
22	19.2	8.4	7.9	13.7	37.7	-	181.7	42.4	108.7	17.0	86.5	-	20.7	43.3	10.9	66.5	104.2	-
23	19.8	8.1	7.7	13.7	40.9	-	171.6	40.8	106.6	16.8	83.6	-	20.5	44.1	10.9	72.9	104.2	-
24	20.1	8.0	7.5	13.6	44.4	-	166.0	39.7	103.8	17.5	80.1	-	20.5	42.5	11.1	79.6	104.8	-
25	19.9	8.0	7.4	13.5	48.0	-	150.1	37.9	102.2	18.2	68.2	-	21.3	38.4	11.3	86.7	102.5	-
26	19.5	7.9	7.2	13.3	52.0	-	144.0	36.6	102.1	20.9	60.3	-	21.9	35.1	11.5	94.5	100.5	-
27	19.3	7.9	7.1	13.1	55.5	-	136.7	35.3	105.1	22.9	56.7	-	21.6	32.8	11.5	102.9	100.3	-
28	19.2	7.9	7.0	12.8	53.6	-	131.0	34.6	108.7	24.3	55.7	-	21.3	30.8	11.4	110.2	102.2	-
29	18.6	8.0	6.9	13.5	45.5	-	126.8	36.2	104.4	24.6	59.4	-	21.2	27.3	11.4	113.8	124.0	-
30	18.0	8.2	6.9	16.3	41.3	-	123.7	38.9	100.6	23.6	61.0	-	22.9	23.7	11.9	111.4	138.4	-
31	17.6	-	6.8	18.5	-	-	121.0	-	103.6	23.4	-	-	24.9	-	12.8	107.4	-	-

Table C-9A. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	72.8	9.3	11.8	10.2	17.4	13.5	234.9	159.4	61.1	24.7	27.4	88.2
2	67.6	8.7	12.2	11.8	15.6	-	231.4	158.9	64.9	23.3	28.5	-
3	64.0	8.3	12.4	12.9	14.5	-	217.1	148.8	66.7	22.8	29.8	-
4	61.5	7.9	12.7	13.9	13.7	-	201.2	132.5	66.8	22.4	32.2	-
5	59.6	7.6	12.8	14.8	13.1	-	208.2	121.0	66.0	22.1	35.8	-
6	58.0	7.3	12.9	15.4	12.4	-	212.9	118.2	63.8	21.5	38.2	-
7	56.5	7.0	13.0	16.4	11.1	-	187.8	131.3	55.5	19.7	39.8	-
8	54.7	6.8	13.2	17.6	10.1	-	173.6	130.6	53.0	18.4	41.4	-
9	52.6	6.6	14.0	18.2	9.5	-	177.0	128.9	52.3	17.3	43.4	-
10	50.5	6.4	15.2	18.3	9.1	-	172.6	129.8	51.0	16.4	45.7	-
11	48.0	6.3	16.6	18.2	8.8	-	164.2	111.2	49.9	15.7	47.9	-
12	45.2	6.1	18.0	18.2	8.6	-	167.9	114.2	43.1	15.2	50.4	-
13	42.3	5.8	19.1	18.4	8.6	-	163.9	124.2	36.4	14.4	53.4	-
14	39.8	5.6	19.8	18.6	8.5	-	156.2	127.8	33.7	13.2	56.7	-
15	38.0	5.5	20.4	19.2	8.4	-	147.9	110.9	34.2	11.4	59.7	-
16	36.3	5.4	20.6	19.8	8.4	-	159.1	102.3	37.4	9.8	62.2	-
17	34.6	5.4	20.7	20.3	8.4	-	160.4	95.6	39.4	8.9	65.3	-
18	33.0	5.4	20.6	20.8	8.4	-	164.6	89.0	41.0	9.2	66.7	-
19	29.9	5.5	20.3	21.1	8.4	-	170.5	82.0	41.9	9.7	71.4	-
20	26.6	6.1	18.5	21.9	8.0	-	175.7	76.1	42.3	10.5	74.8	-
21	22.9	6.8	16.6	23.5	7.7	-	181.1	72.3	42.1	11.3	78.4	-
22	19.4	7.5	15.0	25.4	7.5	-	181.8	70.3	41.3	12.3	79.4	-
23	17.0	8.7	12.6	27.2	7.5	-	174.1	73.2	38.1	14.1	81.6	-
24	15.1	9.8	10.7	29.0	7.9	-	170.5	75.5	35.7	15.3	83.8	-
25	13.7	10.0	9.4	29.9	8.8	-	165.5	72.3	34.7	16.5	85.7	-
26	13.1	10.0	8.6	30.4	9.6	-	163.4	64.4	34.4	17.5	86.9	-
27	12.2	10.2	7.8	28.8	10.3	-	173.6	60.7	34.8	18.7	87.6	-
28	11.7	10.5	7.8	27.2	11.1	-	169.4	57.6	35.3	20.2	87.3	-
29	11.2	10.9	7.9	26.1	11.8	-	157.7	54.5	35.0	22.1	86.3	-
30	10.6	11.3	8.1	24.9	12.7	-	155.2	56.6	31.5	24.4	87.1	-
31	9.9	-	8.3	20.2	-	-	156.6	-	27.4	26.1	-	-

Table C-9B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	26.9	18.7	7.8	6.2	19.0	38.3	43.6	128.1	43.8	104.0	22.5	64.1	16.6	25.9	22.7	12.8	107.0	149.8
2	27.2	19.3	7.6	6.1	20.0	-	43.2	124.7	50.7	89.5	23.9	-	16.3	26.8	21.5	13.6	110.6	-
3	27.4	19.6	7.6	6.1	20.8	-	43.1	117.5	58.7	76.9	25.8	-	16.0	27.9	20.7	14.2	119.9	-
4	27.4	19.5	7.8	6.0	21.6	-	45.5	116.1	60.6	65.6	27.7	-	15.6	29.5	18.9	14.6	126.5	-
5	27.4	19.2	8.1	6.0	22.5	-	50.9	117.6	62.2	59.0	31.5	-	16.0	30.9	16.8	14.4	142.7	-
6	27.3	18.9	8.3	6.0	23.6	-	56.0	119.6	62.8	54.9	36.1	-	16.8	31.7	15.9	14.0	176.1	-
7	26.8	18.6	8.3	6.0	24.9	-	59.0	114.8	64.5	51.9	40.4	-	17.6	31.5	15.7	13.7	201.6	-
8	26.0	18.4	8.2	6.2	27.1	-	62.9	104.4	66.8	48.9	44.2	-	18.2	30.9	15.7	13.5	227.0	-
9	23.6	18.1	8.1	6.4	28.9	-	69.2	94.1	69.6	42.6	47.4	-	18.5	30.5	15.5	13.6	251.5	-
10	21.5	17.9	8.2	6.7	29.6	-	76.1	88.0	79.3	37.5	50.4	-	18.6	30.4	15.2	14.1	252.5	-
11	20.1	17.8	8.3	7.0	27.4	-	80.8	84.1	90.4	34.4	53.1	-	18.6	30.1	14.8	15.8	228.9	-
12	19.3	17.7	8.4	8.0	24.9	-	84.2	80.3	99.1	31.8	55.6	-	19.0	29.7	14.5	18.5	210.2	-
13	18.8	17.6	8.5	9.2	23.2	-	87.7	74.8	106.4	29.7	58.0	-	19.6	29.4	14.9	20.6	209.0	-
14	18.5	17.0	8.4	10.3	22.5	-	94.0	66.0	109.1	27.9	60.1	-	19.9	29.0	16.0	22.0	202.1	-
15	18.5	15.6	8.2	11.2	22.5	-	110.4	66.3	101.9	26.8	61.8	-	19.9	29.0	16.8	24.1	180.2	-
16	19.5	14.3	7.9	11.9	23.6	-	124.2	68.6	92.6	26.1	68.3	-	20.1	31.1	15.9	28.9	167.7	-
17	20.6	13.4	7.7	12.3	25.3	-	137.2	69.2	87.6	23.5	75.8	-	20.3	34.9	14.0	33.1	157.9	-
18	21.2	12.8	7.5	12.5	27.7	-	147.9	66.6	93.4	20.2	80.0	-	20.7	38.4	12.5	37.4	150.8	-
19	20.6	11.5	7.4	12.5	30.1	-	154.8	62.5	106.1	18.1	81.2	-	21.0	41.0	11.5	41.9	137.9	-
20	19.8	10.0	7.4	12.6	32.5	-	159.3	58.5	117.5	17.5	82.5	-	20.7	42.7	10.9	49.0	119.6	-
21	19.5	8.9	7.4	12.7	35.1	-	162.8	48.9	122.3	17.0	84.6	-	20.4	44.0	10.4	60.2	109.7	-
22	19.8	8.0	7.4	12.8	38.2	-	183.7	43.7	121.9	16.4	85.9	-	20.1	45.3	10.2	68.6	103.4	-
23	20.4	7.6	7.2	12.9	41.7	-	182.6	41.8	119.9	16.2	83.8	-	19.8	46.0	10.1	76.0	103.6	-
24	20.7	7.5	7.0	12.9	45.3	-	176.2	40.5	116.9	16.9	80.4	-	19.8	44.2	10.3	83.5	104.2	-
25	20.6	7.5	6.9	12.9	48.9	-	161.9	38.7	115.0	17.7	69.4	-	20.6	40.0	10.5	91.2	102.1	-
26	20.3	7.4	6.8	12.8	52.7	-	153.7	37.2	115.0	20.1	61.7	-	21.2	36.5	10.7	99.2	100.4	-
27	20.1	7.4	6.7	12.6	55.5	-	146.2	35.9	119.1	22.0	58.3	-	21.1	34.1	10.7	107.5	100.3	-
28	19.9	7.5	6.6	12.2	53.6	-	139.9	35.3	122.9	23.3	58.9	-	20.8	32.1	10.7	115.0	102.7	-
29	19.4	7.7	6.6	12.8	46.1	-	135.5	37.4	116.7	23.0	62.3	-	20.8	28.3	10.7	117.9	121.5	-
30	18.8	7.9	6.5	15.1	41.0	-	132.4	40.0	115.8	22.1	64.3	-	22.6	24.8	11.1	114.9	136.5	-
31	18.4	-	6.4	17.5	-	-	129.9	-	114.3	21.8	-	-	24.4	-	11.9	110.7	-	-

Table C-9B. Baseline Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17) ***(continued)***

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	72.1	8.7	10.8	9.7	16.8	13.4	240.3	166.7	61.8	24.2	26.4	92.7
2	67.1	8.2	11.1	11.4	14.9	-	234.2	165.0	65.5	22.6	27.6	-
3	63.4	7.8	11.2	12.8	13.6	-	210.1	154.4	67.6	21.8	29.2	-
4	60.8	7.4	11.4	14.0	12.8	-	194.4	137.8	67.9	21.4	31.6	-
5	58.7	7.0	11.6	14.9	12.1	-	199.3	124.0	67.2	21.0	35.2	-
6	57.0	6.7	11.7	15.7	11.4	-	204.2	120.7	64.2	20.4	38.1	-
7	55.3	6.4	11.9	16.6	10.3	-	184.6	131.4	56.4	18.8	40.0	-
8	53.4	6.2	12.1	17.8	9.3	-	171.1	133.0	52.9	17.3	41.6	-
9	51.4	6.0	12.8	18.6	8.8	-	171.9	131.2	51.8	16.3	43.6	-
10	49.4	5.8	13.9	18.7	8.5	-	169.6	131.4	50.7	15.6	45.8	-
11	47.0	5.7	15.1	18.6	8.3	-	161.1	114.5	49.5	14.9	47.9	-
12	44.4	5.5	16.3	18.7	8.2	-	164.5	115.6	42.5	14.4	50.3	-
13	41.6	5.3	17.2	18.8	8.2	-	165.7	125.4	36.2	13.8	53.2	-
14	39.4	5.1	17.9	19.0	8.2	-	158.3	128.6	33.3	12.4	56.4	-
15	37.6	5.0	18.4	19.5	8.2	-	151.3	113.9	34.7	10.8	59.4	-
16	36.0	4.9	18.5	20.2	8.1	-	160.2	105.8	37.4	9.4	61.9	-
17	34.3	4.9	18.6	20.8	8.1	-	162.0	99.1	39.4	8.6	64.9	-
18	32.6	4.9	18.4	21.3	8.1	-	165.6	92.2	41.1	8.7	67.1	-
19	29.5	5.0	18.0	21.9	8.0	-	171.2	84.9	42.3	9.2	71.6	-
20	26.1	5.5	16.5	22.7	7.8	-	176.6	78.2	42.9	9.9	76.1	-
21	22.3	6.1	14.9	24.2	7.5	-	181.9	73.7	42.7	10.7	81.3	-
22	18.6	6.7	13.4	26.2	7.4	-	183.7	71.4	41.7	11.7	84.5	-
23	16.1	7.8	11.3	28.2	7.4	-	178.3	73.0	38.9	13.5	86.7	-
24	14.2	8.9	9.5	30.1	8.0	-	173.3	75.0	36.3	14.8	89.1	-
25	12.8	9.2	8.3	31.3	8.9	-	168.8	70.7	35.1	16.0	90.9	-
26	12.1	9.2	7.6	31.3	9.6	-	171.0	62.9	34.7	17.0	92.1	-
27	11.3	9.4	7.0	29.7	10.3	-	180.9	58.6	35.3	18.0	92.7	-
28	10.9	9.7	7.1	28.1	11.0	-	177.3	55.8	35.9	19.4	91.9	-
29	10.4	10.0	7.3	27.0	11.7	-	165.6	53.7	35.2	21.3	90.9	-
30	9.9	10.4	7.4	24.4	12.5	-	162.6	57.3	30.9	23.3	91.5	-
31	9.3	-	8.0	20.0	-	-	164.1	-	27.0	25.0	-	-

Appendix D. Rolling 30-Day Geomean Values Using Noon Values and Daily Average Values – Scenario 1

Table D-1A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	47.2	59.0	35.2	63.0	177.2	174.1	76.7	112.8	68.3	110.8	92.8	103.7	37.2	80.7	65.3	55.2	342.1	188.9
2	47.2	58.6	36.1	63.8	190.3	-	76.6	112.3	75.7	102.3	101.9	-	37.2	80.8	65.1	59.3	327.5	-
3	47.4	58.6	37.7	62.5	200.1	-	76.9	116.5	72.6	93.0	110.6	-	37.1	74.5	60.9	64.0	308.1	-
4	47.4	58.6	38.5	63.8	200.1	-	83.7	116.7	79.6	85.1	121.2	-	43.0	81.1	55.8	64.3	317.1	-
5	47.3	58.6	38.4	66.2	186.8	-	83.7	116.6	87.0	79.3	135.2	-	43.0	78.4	55.1	63.0	375.1	-
6	47.3	58.5	38.4	71.1	210.3	-	83.8	116.6	93.3	75.6	150.7	-	47.5	82.2	56.0	65.2	400.9	-
7	44.7	58.5	38.3	76.0	195.4	-	83.8	116.5	97.9	75.5	166.3	-	47.5	84.7	54.3	68.1	432.1	-
8	44.1	58.4	38.3	84.2	182.3	-	83.9	116.5	97.9	69.5	180.7	-	47.5	85.0	54.1	70.3	465.9	-
9	44.0	58.4	38.3	92.1	171.7	-	83.9	116.4	106.3	62.7	190.6	-	47.5	84.1	54.1	72.9	474.0	-
10	43.9	58.5	39.1	102.9	155.0	-	84.0	116.3	117.8	57.1	193.9	-	48.0	86.3	52.6	79.8	450.9	-
11	43.8	58.5	39.1	114.6	140.0	-	84.0	116.1	129.3	52.9	194.1	-	48.0	89.0	51.0	91.4	439.3	-
12	43.8	58.5	39.1	127.3	126.9	-	84.1	116.0	139.8	50.3	194.4	-	48.1	89.0	51.5	101.6	435.2	-
13	43.7	49.9	39.0	140.8	116.3	-	84.2	114.5	131.8	49.3	182.2	-	48.1	88.9	51.4	111.9	425.6	-
14	51.2	45.6	38.9	153.9	115.1	-	95.1	110.9	124.8	52.6	182.4	-	48.1	88.9	51.4	123.8	384.0	-
15	55.9	45.5	38.9	164.9	117.3	-	105.8	109.8	114.8	52.5	198.4	-	48.1	95.3	47.9	144.5	341.2	-
16	55.8	45.5	38.9	172.7	129.3	-	116.3	108.7	108.7	49.3	208.9	-	48.1	104.3	43.7	163.1	306.0	-
17	55.8	46.2	38.2	171.8	143.7	-	124.2	100.9	115.8	45.3	206.2	-	48.2	111.6	40.8	182.3	277.1	-
18	55.7	43.3	37.7	172.0	158.6	-	130.7	92.6	126.0	44.1	206.4	-	48.2	111.7	40.8	201.7	251.8	-
19	54.3	41.0	37.6	172.3	170.3	-	142.4	86.1	131.4	41.4	206.5	-	48.2	111.7	40.7	222.6	223.4	-
20	57.2	40.9	37.5	175.4	183.2	-	153.2	78.2	139.8	39.2	206.7	-	48.2	111.8	40.7	251.5	199.0	-
21	57.1	40.9	37.5	179.4	200.8	-	158.7	75.2	136.9	39.2	206.9	-	48.2	112.0	40.6	282.5	178.4	-
22	57.0	40.8	37.5	173.3	219.3	-	156.2	74.1	126.3	39.1	207.0	-	48.2	112.2	40.7	316.0	180.2	-
23	57.0	40.8	38.8	163.4	235.4	-	152.9	69.1	126.2	39.1	192.1	-	48.1	104.2	40.6	341.3	165.7	-
24	56.9	40.8	41.1	155.8	250.4	-	146.3	66.1	126.2	42.2	160.4	-	51.9	94.1	41.6	372.0	153.8	-
25	56.9	40.8	43.1	155.8	265.3	-	136.8	65.0	126.2	50.4	143.8	-	56.1	85.3	41.7	401.7	145.6	-
26	56.8	40.7	43.1	137.6	272.2	-	126.1	64.8	126.5	56.3	130.3	-	61.8	79.7	41.7	425.2	143.6	-
27	56.8	40.7	48.8	135.3	267.8	-	117.0	64.8	126.5	62.2	119.6	-	66.1	76.9	41.7	432.5	143.6	-
28	56.8	41.1	50.9	136.3	241.6	-	112.9	65.1	125.8	66.3	115.4	-	68.3	70.6	41.7	385.3	157.7	-
29	50.7	36.3	54.8	148.3	214.0	-	112.9	65.1	128.7	72.1	113.5	-	71.5	65.4	46.9	354.3	178.7	-
30	57.3	35.2	58.6	162.8	191.1	-	112.8	65.1	128.7	77.5	110.0	-	77.1	62.4	51.1	327.4	199.8	-
31	59.0	-	60.5	170.5	-	-	112.8	-	122.8	84.2	-	-	80.6	-	52.9	314.3	-	-

Table D-1A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	97.9	37.3	61.8	72.5	78.7	163.8	226.4	92.2	51.8	53.5	137.6	159.6
2	89.8	37.2	61.8	81.0	71.8	-	226.3	92.0	51.8	53.5	137.8	-
3	84.3	37.1	61.8	88.8	67.1	-	203.6	91.9	51.8	53.5	155.4	-
4	81.6	37.0	61.9	95.1	64.7	-	185.2	91.7	51.7	53.5	154.5	-
5	81.5	37.0	61.9	98.7	62.3	-	172.2	91.6	51.7	53.1	150.2	-
6	81.4	36.9	61.9	102.4	58.4	-	157.4	106.7	45.1	50.5	146.6	-
7	81.3	36.9	62.0	109.4	56.6	-	140.2	96.0	48.7	47.3	146.8	-
8	81.2	36.8	62.3	117.7	57.1	-	139.1	96.0	53.2	44.8	147.0	-
9	81.0	36.8	62.4	122.2	58.7	-	124.9	95.9	56.1	44.7	147.3	-
10	80.8	36.8	62.9	121.4	58.6	-	113.2	89.0	56.1	44.7	147.5	-
11	78.3	36.7	63.5	117.5	60.5	-	110.0	90.4	50.0	44.6	149.3	-
12	76.8	36.6	65.8	112.6	63.4	-	108.7	87.4	48.4	44.6	154.1	-
13	76.7	36.6	68.8	112.6	65.8	-	103.8	87.4	48.4	41.6	160.8	-
14	76.6	36.5	68.9	112.8	64.7	-	93.8	78.9	51.8	39.7	167.1	-
15	76.4	36.5	68.9	118.3	64.5	-	94.9	73.3	54.2	37.6	174.2	-
16	76.3	36.6	68.6	120.0	68.2	-	94.7	66.6	57.0	37.2	180.3	-
17	76.1	36.6	71.4	117.7	68.4	-	97.9	60.0	57.6	39.1	180.1	-
18	75.9	36.6	72.9	117.8	70.5	-	102.2	54.4	57.6	42.5	186.4	-
19	75.7	37.8	70.6	117.9	74.0	-	107.0	50.4	57.6	46.5	190.1	-
20	66.2	39.3	67.9	118.9	78.7	-	115.2	48.8	57.6	50.7	194.3	-
21	59.9	41.3	64.6	119.2	84.4	-	118.9	48.7	57.6	55.1	198.1	-
22	53.8	46.0	57.9	119.6	88.0	-	105.9	48.7	57.5	61.7	199.8	-
23	48.7	51.7	51.4	123.9	93.6	-	105.9	48.6	57.8	69.3	200.9	-
24	45.5	52.0	46.1	132.2	96.6	-	105.9	48.5	57.8	76.8	201.3	-
25	48.4	56.7	42.2	126.1	99.6	-	105.9	48.2	58.2	85.1	199.0	-
26	43.4	59.5	45.4	127.9	104.3	-	106.5	48.1	58.2	94.2	193.0	-
27	39.7	61.5	46.8	127.6	115.4	-	92.2	48.1	58.2	103.7	184.6	-
28	37.7	61.6	49.9	126.8	126.2	-	92.1	48.0	58.1	113.5	179.2	-
29	37.6	61.6	50.2	117.2	137.9	-	92.1	51.9	53.7	121.8	169.2	-
30	37.5	61.7	54.3	99.2	150.6	-	92.1	51.8	53.6	129.3	161.8	-
31	37.3	-	64.2	87.8	-	-	92.2	-	53.6	135.5	-	-

Table D-1B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	51.6	73.4	46.7	76.1	177.3	169.8	86.7	136.7	94.5	140.8	93.6	114.8	47.8	93.2	74.8	77.0	345.6	182.3
2	51.5	69.6	50.1	78.8	189.9	-	89.5	127.0	108.7	123.8	102.7	-	47.6	93.3	74.6	83.8	322.0	-
3	54.2	69.6	52.4	77.3	199.7	-	96.2	126.7	110.4	112.3	111.5	-	47.6	91.8	66.0	83.7	302.9	-
4	54.2	72.9	51.1	78.9	200.0	-	107.9	127.0	121.3	102.6	122.9	-	54.5	99.5	65.8	83.9	317.6	-
5	54.1	73.3	50.8	81.8	192.8	-	108.0	127.0	132.6	95.6	137.7	-	55.0	99.0	65.1	82.2	362.6	-
6	54.1	73.2	50.7	85.2	205.5	-	108.1	126.5	142.3	91.1	152.1	-	56.6	103.7	66.2	84.9	388.5	-
7	49.1	73.4	50.5	91.1	194.0	-	108.5	117.6	149.3	91.0	167.9	-	56.4	106.9	64.3	88.6	418.5	-
8	46.3	73.4	50.4	96.7	180.9	-	116.8	117.0	150.7	81.7	182.5	-	56.4	106.9	64.2	91.6	451.7	-
9	46.3	73.4	52.6	103.1	165.3	-	117.3	116.9	167.8	73.7	192.7	-	56.4	102.1	63.8	95.0	448.2	-
10	46.2	73.4	55.1	118.7	149.2	-	117.4	116.8	186.0	67.1	196.1	-	59.4	104.7	62.1	96.4	411.5	-
11	46.1	73.4	55.1	132.4	134.7	-	117.5	116.6	204.2	62.1	196.4	-	59.5	108.0	66.5	106.6	400.8	-
12	46.0	73.4	55.0	147.1	122.1	-	117.5	116.5	220.9	59.0	196.7	-	59.5	108.0	72.1	118.4	396.3	-
13	46.0	66.2	52.9	162.7	111.9	-	117.6	114.0	213.6	57.8	192.2	-	59.5	107.9	72.1	130.5	387.8	-
14	52.8	63.4	52.7	177.9	111.7	-	130.7	114.0	196.1	59.1	192.4	-	59.5	107.9	72.1	144.3	357.8	-
15	55.2	63.3	52.6	190.7	113.7	-	145.5	111.3	182.6	59.1	210.2	-	59.6	117.1	64.3	164.9	317.8	-
16	55.2	63.2	52.6	187.7	125.5	-	160.1	110.3	172.8	55.5	221.7	-	61.5	128.3	58.6	186.3	285.0	-
17	54.6	54.5	55.1	181.2	139.5	-	158.2	102.3	183.7	49.3	212.8	-	61.5	137.4	54.7	208.2	258.0	-
18	62.3	49.1	56.1	181.3	154.0	-	157.5	93.9	206.6	49.3	213.0	-	61.5	137.8	54.5	230.5	234.4	-
19	62.0	45.2	56.0	181.7	165.4	-	171.7	87.2	215.7	46.4	213.1	-	61.5	137.8	54.5	254.4	206.2	-
20	67.0	45.1	55.9	185.0	177.1	-	184.7	79.1	229.2	43.9	213.3	-	61.5	138.0	54.4	272.7	183.5	-
21	67.0	45.1	55.8	189.1	193.9	-	191.9	74.6	224.9	43.8	202.6	-	61.5	138.1	57.8	298.9	168.9	-
22	66.9	45.0	55.8	182.9	212.0	-	196.1	73.6	207.4	46.1	202.6	-	61.5	138.4	59.3	334.4	162.8	-
23	66.9	45.0	57.7	172.5	227.5	-	192.2	68.8	206.9	46.1	187.9	-	61.5	127.7	59.3	367.2	149.7	-
24	66.8	45.0	61.2	164.4	242.1	-	183.4	65.5	206.9	49.8	163.8	-	58.0	115.3	59.7	400.4	138.9	-
25	66.7	44.9	64.1	164.1	256.6	-	171.8	64.3	206.9	54.3	146.7	-	59.3	104.5	59.8	432.4	131.5	-
26	66.7	44.8	64.3	145.4	263.5	-	158.4	64.2	217.8	60.6	132.9	-	65.3	97.5	59.8	458.0	129.7	-
27	66.8	51.7	62.8	142.8	259.3	-	146.9	65.2	214.3	67.0	132.1	-	70.0	93.9	59.8	466.2	129.7	-
28	66.8	54.5	62.7	143.8	236.0	-	141.6	70.6	197.7	66.8	127.8	-	72.3	83.7	59.8	422.4	142.5	-
29	63.2	49.8	67.5	155.3	209.0	-	141.5	70.7	216.2	72.6	125.6	-	77.7	77.4	66.2	389.7	163.4	-
30	69.0	46.8	72.2	170.3	186.6	-	141.5	81.6	187.4	78.1	121.8	-	83.9	73.8	71.9	353.6	182.7	-
31	73.4	-	74.6	174.5	-	-	141.4	-	161.9	84.8	-	-	87.9	-	73.8	339.5	-	-

Table D-1B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	107.2	42.8	83.0	91.0	93.1	172.4	230.2	124.1	81.8	65.7	159.1	165.4
2	98.2	42.7	83.0	101.6	84.9	-	216.1	117.8	81.7	65.6	158.9	-
3	92.2	42.7	83.1	111.5	79.2	-	202.8	107.9	81.7	65.8	173.3	-
4	89.2	42.6	83.1	119.6	76.3	-	201.1	107.7	81.7	65.8	172.6	-
5	89.1	42.5	83.2	124.1	69.2	-	186.9	106.0	81.6	65.3	167.9	-
6	88.9	42.4	83.2	122.4	64.9	-	172.8	120.0	73.2	61.5	163.8	-
7	88.8	42.4	93.2	122.0	62.8	-	153.1	112.6	78.2	57.7	163.9	-
8	88.7	42.3	100.4	127.7	63.3	-	148.6	117.7	81.8	54.6	164.2	-
9	88.5	42.3	103.4	132.7	65.0	-	133.5	117.5	86.3	54.4	164.4	-
10	88.3	42.3	104.1	132.0	66.7	-	121.0	104.3	86.3	54.4	164.7	-
11	84.1	42.2	105.2	127.7	70.0	-	122.3	107.9	74.6	54.3	166.7	-
12	83.4	42.1	109.0	122.4	73.4	-	121.7	106.4	70.9	54.0	173.4	-
13	83.3	42.0	113.9	122.3	76.1	-	116.1	106.4	71.1	48.7	180.9	-
14	83.2	42.0	114.2	122.5	74.9	-	105.0	96.3	78.7	43.8	188.0	-
15	83.0	44.1	108.6	128.3	74.6	-	105.9	95.5	81.7	41.4	185.0	-
16	82.8	44.9	106.6	132.8	78.8	-	105.6	86.8	86.4	45.0	194.0	-
17	76.4	45.0	108.5	130.4	79.1	-	109.2	78.1	87.3	47.4	191.9	-
18	73.5	52.4	95.1	130.5	76.1	-	114.1	70.8	87.4	52.0	195.2	-
19	73.3	56.3	88.6	140.2	79.3	-	119.3	65.5	87.4	57.7	199.5	-
20	67.6	58.4	85.6	142.0	84.4	-	128.6	63.4	87.4	62.9	202.3	-
21	60.3	61.4	81.4	142.4	88.5	-	132.8	69.9	79.0	68.4	205.5	-
22	54.1	69.4	71.8	145.9	92.3	-	127.1	71.2	78.4	75.3	207.0	-
23	49.0	69.3	63.8	151.2	98.7	-	127.1	71.0	80.6	84.7	208.1	-
24	51.4	68.4	57.2	161.2	101.9	-	127.2	64.6	80.6	88.6	208.6	-
25	55.0	76.0	51.3	151.6	105.1	-	132.4	63.2	86.0	98.3	206.3	-
26	50.0	79.9	55.9	153.7	109.9	-	135.1	63.1	85.9	108.7	200.1	-
27	45.6	82.5	57.6	153.5	121.3	-	124.6	63.0	85.9	119.7	191.5	-
28	43.3	82.7	61.4	152.5	132.8	-	123.9	72.4	74.6	131.1	185.9	-
29	43.1	82.8	62.0	136.2	145.1	-	123.9	81.9	65.9	140.7	175.5	-
30	43.0	82.9	69.5	117.5	158.5	-	124.0	81.8	65.8	149.3	167.7	-
31	42.9	-	80.5	103.9	-	-	124.1	-	65.7	156.5	-	-

Table D-2A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	42.2	58.9	27.2	49.4	130.7	153.8	70.1	111.8	71.0	108.0	84.1	96.4	31.7	74.5	51.5	48.4	324.6	183.0
2	42.0	54.9	27.7	51.6	138.9	-	70.0	104.4	80.0	99.7	92.8	-	31.6	74.8	51.5	52.0	302.3	-
3	44.9	54.7	29.2	50.8	150.1	-	74.8	113.7	72.1	90.1	101.3	-	31.5	65.0	48.4	56.8	284.4	-
4	44.9	54.7	30.0	50.8	152.0	-	82.6	113.8	79.2	81.9	111.2	-	38.3	70.2	44.0	57.7	295.2	-
5	44.7	56.0	29.3	53.0	139.7	-	82.9	113.7	86.9	75.9	124.8	-	38.8	65.7	42.8	56.2	363.2	-
6	44.5	55.7	29.2	58.4	165.1	-	83.1	113.6	93.6	71.7	140.3	-	44.7	69.0	43.7	57.7	391.9	-
7	41.2	55.5	29.0	61.2	157.0	-	83.3	113.1	98.9	71.3	156.0	-	44.5	71.4	42.3	60.2	422.5	-
8	38.9	55.5	28.8	67.9	144.0	-	83.7	112.6	99.1	65.8	170.7	-	44.4	71.6	42.1	62.8	464.3	-
9	38.6	55.4	28.8	71.1	136.4	-	84.0	112.2	107.3	58.9	181.7	-	44.3	66.2	42.0	64.5	480.4	-
10	38.3	55.6	30.9	80.0	123.1	-	84.2	111.9	119.6	53.3	186.3	-	47.9	67.3	41.2	70.2	446.1	-
11	37.9	55.7	30.9	90.0	110.7	-	84.4	111.4	132.3	48.9	187.4	-	47.9	69.8	39.4	76.1	435.8	-
12	37.7	55.6	30.8	101.5	99.9	-	84.8	110.6	144.5	46.2	188.7	-	48.1	69.8	43.4	84.9	446.8	-
13	37.5	45.4	30.4	114.1	90.9	-	85.2	108.3	132.3	44.8	167.0	-	48.3	69.6	43.5	94.2	440.1	-
14	45.7	41.4	29.5	126.7	93.9	-	100.8	112.1	117.3	50.7	167.9	-	48.3	69.4	43.4	104.6	386.1	-
15	50.7	41.1	29.4	137.7	93.2	-	113.3	111.5	106.9	50.4	194.2	-	48.4	73.2	41.0	127.5	342.1	-
16	50.5	41.0	29.1	146.7	102.6	-	125.9	110.6	100.5	47.4	206.4	-	48.6	80.5	37.0	146.1	306.2	-
17	50.3	41.0	28.8	137.9	114.9	-	135.7	102.9	106.3	43.1	193.4	-	48.8	87.1	33.9	164.9	276.8	-
18	50.1	36.5	30.0	138.3	127.9	-	133.3	94.1	116.3	44.2	194.3	-	48.9	87.6	33.7	184.2	251.5	-
19	49.9	32.8	29.9	139.4	139.3	-	146.6	87.1	121.6	41.5	194.9	-	49.0	87.8	33.5	205.2	219.3	-
20	55.0	32.6	29.6	141.9	153.1	-	158.4	79.0	129.4	38.9	195.5	-	48.9	88.1	33.4	237.9	194.8	-
21	54.8	32.5	29.4	146.5	168.4	-	165.1	74.9	128.5	38.8	196.1	-	48.9	88.6	33.2	257.8	174.0	-
22	54.6	32.3	29.4	145.3	186.3	-	158.1	73.9	117.8	38.7	196.4	-	48.9	89.3	34.7	291.1	180.0	-
23	54.4	32.1	29.8	137.0	202.4	-	153.8	68.7	117.7	38.7	184.7	-	48.8	84.4	34.6	316.1	165.3	-
24	54.2	32.1	31.5	128.8	217.3	-	147.2	65.3	117.6	41.2	150.0	-	51.9	75.7	35.6	347.4	153.1	-
25	53.9	32.0	33.4	127.3	232.4	-	137.6	63.7	117.8	49.5	134.0	-	51.4	67.9	35.8	378.2	144.3	-
26	53.7	31.9	33.9	106.8	246.2	-	126.9	63.2	121.1	55.5	121.0	-	57.1	62.4	35.9	405.4	142.0	-
27	53.7	31.7	40.3	101.1	246.1	-	117.3	62.9	121.2	61.6	110.8	-	61.8	60.5	35.9	417.5	142.1	-
28	53.7	35.7	38.1	101.6	216.7	-	112.7	67.8	112.2	59.7	107.0	-	62.7	54.0	35.8	357.2	155.9	-
29	45.9	30.4	40.7	113.7	191.0	-	112.5	67.9	126.5	65.0	104.9	-	64.9	49.4	42.4	330.3	177.9	-
30	53.6	27.3	44.2	126.2	169.9	-	112.2	67.9	126.6	70.2	102.4	-	70.3	46.4	46.4	290.9	199.8	-
31	59.0	-	45.7	129.5	-	-	112.0	-	121.4	76.0	-	-	74.2	-	47.5	286.1	-	-

Table D-2A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	94.0	26.0	51.1	55.7	60.2	128.9	224.5	96.1	51.2	50.6	113.7	149.0
2	85.6	25.9	51.1	62.8	54.4	-	224.1	91.5	51.1	50.4	114.3	-
3	79.8	25.6	51.4	69.6	50.3	-	202.4	91.1	51.0	50.3	134.7	-
4	76.7	25.4	51.5	75.5	48.0	-	183.7	90.6	50.8	50.3	135.3	-
5	76.2	25.1	51.6	79.3	46.8	-	170.3	90.1	50.6	50.0	132.1	-
6	75.8	25.0	51.6	81.2	43.8	-	155.8	109.4	41.9	47.3	128.5	-
7	75.3	24.8	51.8	80.1	41.6	-	138.3	95.3	44.9	44.3	129.0	-
8	74.8	24.7	56.6	83.9	41.8	-	141.8	95.1	49.3	41.5	129.8	-
9	74.1	24.7	58.9	88.1	43.2	-	127.1	94.8	52.4	41.2	130.8	-
10	73.4	24.6	59.6	87.7	43.1	-	114.8	88.2	52.3	41.1	131.7	-
11	71.5	24.3	60.9	87.0	45.3	-	110.9	95.9	43.1	40.8	133.5	-
12	68.6	24.1	62.3	82.8	47.7	-	109.9	93.5	41.0	40.6	138.8	-
13	68.1	23.9	66.1	82.4	49.5	-	105.1	93.4	40.8	34.9	145.7	-
14	67.7	23.8	66.9	83.0	49.9	-	94.8	79.5	47.0	32.7	152.8	-
15	67.2	23.7	67.0	86.6	48.2	-	101.2	73.7	49.8	30.6	159.8	-
16	66.5	25.4	62.1	92.6	51.3	-	100.7	66.7	52.9	29.9	166.1	-
17	65.9	25.3	62.3	90.8	51.5	-	103.9	59.6	53.7	31.4	166.6	-
18	63.6	25.5	63.7	91.0	52.7	-	108.5	53.7	53.7	34.0	174.6	-
19	63.0	28.8	56.6	91.4	53.9	-	113.4	49.4	53.8	37.6	179.0	-
20	53.3	30.4	53.9	94.9	57.3	-	122.5	47.4	53.8	41.1	183.5	-
21	46.9	31.4	52.2	95.9	61.4	-	126.7	47.0	53.8	44.9	186.5	-
22	41.5	36.3	44.9	97.2	64.7	-	111.8	48.1	52.2	49.4	188.1	-
23	37.1	41.1	39.2	100.6	72.0	-	111.9	47.7	54.8	55.9	189.3	-
24	34.2	40.0	34.6	107.7	74.1	-	112.0	47.3	54.8	58.3	190.3	-
25	37.2	45.0	30.3	98.5	76.6	-	111.1	46.4	59.1	65.0	188.6	-
26	32.4	47.6	34.1	101.0	79.8	-	112.8	46.0	59.1	72.3	183.6	-
27	29.2	49.8	34.5	101.1	88.2	-	95.7	45.7	59.0	80.3	171.9	-
28	27.3	50.3	37.1	100.0	97.1	-	95.7	45.4	58.9	90.5	167.4	-
29	26.9	50.5	37.8	95.2	106.9	-	95.6	51.6	51.3	97.9	158.4	-
30	26.6	50.8	39.7	77.4	117.7	-	95.7	51.4	51.0	104.8	151.1	-
31	26.3	-	48.8	67.8	-	-	96.0	-	50.7	111.0	-	-

Table D-2B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	51.7	74.5	40.6	64.1	139.7	154.4	81.9	145.8	99.4	146.5	85.6	113.3	43.3	98.1	67.2	77.0	347.8	192.3
2	51.1	68.0	44.5	67.3	146.7	-	86.8	130.6	119.8	124.8	94.5	-	42.7	100.5	66.5	85.3	320.7	-
3	55.8	68.0	47.7	67.1	158.3	-	96.6	130.7	120.7	111.5	103.3	-	42.6	98.8	56.4	84.7	301.8	-
4	55.6	72.7	45.9	67.1	161.3	-	112.4	132.2	132.6	101.3	115.6	-	50.6	102.8	57.2	83.1	323.5	-
5	55.4	76.2	43.9	69.6	155.0	-	113.0	132.1	145.5	93.8	131.3	-	53.8	99.3	57.6	81.2	383.0	-
6	55.3	75.8	43.7	73.8	174.7	-	113.3	131.2	156.9	88.5	146.0	-	55.6	100.4	58.6	82.3	414.8	-
7	48.4	75.7	43.3	78.0	170.1	-	114.2	116.5	165.9	87.1	161.5	-	56.2	104.0	57.5	85.9	447.8	-
8	43.0	75.8	43.0	79.8	156.9	-	128.8	114.3	169.7	76.6	176.8	-	56.2	104.7	57.0	89.5	492.3	-
9	42.6	75.7	46.6	83.6	140.0	-	131.1	113.9	193.8	68.3	188.4	-	56.0	95.6	56.4	92.3	478.1	-
10	42.3	75.9	49.9	99.2	124.3	-	131.5	113.5	216.9	61.8	193.5	-	61.7	97.6	55.0	91.4	428.5	-
11	41.9	75.9	50.1	114.3	111.9	-	131.9	113.0	240.0	56.7	194.9	-	61.9	101.1	61.9	99.4	418.0	-
12	41.7	75.8	49.9	128.7	101.0	-	132.4	112.2	262.1	53.5	196.2	-	62.1	101.4	69.9	110.2	419.8	-
13	41.5	66.9	46.1	144.4	92.0	-	133.0	111.7	243.5	51.9	186.0	-	62.3	101.2	70.6	122.3	413.1	-
14	50.1	63.0	44.1	160.3	94.5	-	152.7	115.9	215.7	54.7	186.2	-	62.4	100.9	70.6	135.9	375.1	-
15	54.7	62.0	43.9	174.0	94.6	-	171.5	114.2	198.3	54.7	211.0	-	62.5	110.1	60.7	160.0	333.1	-
16	55.1	61.7	43.7	168.0	104.1	-	190.6	113.2	186.5	51.5	224.8	-	66.5	121.3	54.4	182.9	298.0	-
17	53.6	51.3	47.5	157.0	116.6	-	180.5	105.2	196.1	43.9	213.1	-	67.2	131.3	50.0	206.8	269.3	-
18	60.2	43.4	50.4	156.7	130.1	-	171.9	96.0	228.8	44.6	214.1	-	67.3	133.8	48.8	231.4	244.6	-
19	61.4	38.6	50.1	158.0	141.7	-	189.0	88.8	239.7	41.9	214.8	-	67.4	134.2	48.6	258.0	210.7	-
20	67.5	38.1	49.7	161.2	153.5	-	204.4	80.1	254.9	39.2	215.5	-	67.3	134.8	48.3	278.1	186.9	-
21	67.8	37.9	49.3	166.3	168.5	-	214.2	73.0	253.3	38.9	195.1	-	67.3	135.6	52.3	294.1	176.4	-
22	67.5	37.6	49.2	164.9	186.5	-	220.3	72.1	233.2	43.0	193.0	-	67.2	136.7	56.1	332.3	174.4	-
23	67.3	37.5	49.9	155.8	202.9	-	215.9	67.8	230.1	43.5	180.9	-	67.1	125.0	56.0	366.7	160.8	-
24	67.0	37.5	52.6	146.8	218.0	-	205.4	63.8	229.8	46.5	153.9	-	61.7	111.7	56.8	403.0	149.0	-
25	66.6	37.4	55.7	144.0	233.2	-	191.9	62.2	230.2	50.5	137.3	-	59.5	100.1	57.1	439.1	140.4	-
26	66.4	37.3	56.8	120.7	244.7	-	176.9	61.7	250.3	56.7	123.9	-	65.8	91.8	57.3	470.8	138.0	-
27	66.3	44.3	56.5	113.1	243.9	-	163.6	62.0	248.3	62.9	127.6	-	71.4	88.3	57.4	485.8	138.0	-
28	66.4	51.5	52.9	113.9	216.9	-	156.9	69.7	220.4	60.5	126.2	-	73.4	75.8	57.3	421.8	152.1	-
29	60.2	45.2	56.1	126.4	192.2	-	156.4	69.7	250.5	65.9	123.6	-	79.2	69.3	66.8	384.1	178.5	-
30	68.0	40.9	60.6	139.5	170.8	-	156.1	83.1	210.6	71.2	120.3	-	85.8	65.1	74.2	341.4	200.7	-
31	74.3	-	63.1	141.5	-	-	155.7	-	176.4	77.3	-	-	90.6	-	75.1	329.3	-	-

Table D-2B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	118.2	31.6	73.3	82.3	88.4	140.2	267.4	149.4	95.5	62.2	144.1	171.6
2	107.6	31.3	73.5	92.9	79.8	-	242.0	137.3	95.3	62.1	144.9	-
3	100.3	31.0	73.7	103.2	73.6	-	227.2	120.8	95.0	62.0	166.2	-
4	96.3	30.7	73.8	112.1	69.9	-	232.9	120.0	94.8	62.1	168.8	-
5	95.5	30.4	74.0	118.2	59.7	-	215.8	116.4	94.3	61.7	165.0	-
6	94.9	30.2	74.1	117.4	54.9	-	201.5	136.5	80.9	56.6	160.7	-
7	94.4	30.0	87.6	111.9	52.3	-	176.1	125.5	86.7	52.9	160.8	-
8	93.7	29.8	100.9	112.5	52.4	-	176.4	136.0	87.5	49.7	161.9	-
9	92.8	29.7	109.5	117.0	53.7	-	158.2	137.5	91.4	49.0	163.1	-
10	91.9	29.6	112.1	117.5	57.6	-	143.5	118.9	92.0	48.8	164.3	-
11	84.0	29.3	114.4	115.7	61.0	-	146.7	123.4	76.7	48.5	166.6	-
12	82.2	29.0	117.9	110.5	64.1	-	149.1	122.5	71.7	48.0	175.6	-
13	81.6	28.8	124.6	109.2	66.6	-	142.0	122.1	71.6	41.4	184.1	-
14	81.2	28.6	126.9	109.9	66.7	-	128.4	106.8	82.4	35.8	192.9	-
15	80.5	31.5	115.2	114.9	65.1	-	133.4	109.5	85.3	32.8	189.7	-
16	79.7	33.7	107.0	120.8	68.3	-	132.8	100.2	91.3	36.4	199.8	-
17	69.9	33.7	108.5	120.1	69.5	-	137.0	89.4	93.0	39.7	196.8	-
18	62.7	40.6	92.3	120.0	62.5	-	143.4	80.5	93.2	43.8	202.5	-
19	62.0	48.0	78.9	137.3	62.6	-	149.7	73.8	93.3	49.8	207.8	-
20	54.6	50.4	75.5	145.3	66.6	-	161.6	70.7	93.3	54.4	209.3	-
21	46.7	52.6	72.3	147.1	68.3	-	167.5	80.5	81.2	59.4	213.0	-
22	41.3	61.6	61.3	156.1	71.2	-	155.3	87.8	75.5	64.7	215.0	-
23	36.9	60.0	53.4	163.7	78.9	-	155.4	87.1	80.6	73.3	216.4	-
24	39.5	57.0	47.0	175.4	81.6	-	155.6	77.1	80.6	74.6	217.3	-
25	43.4	63.9	40.4	157.7	84.4	-	158.3	70.4	89.0	83.2	215.5	-
26	39.6	67.9	45.9	158.7	88.0	-	172.4	69.9	89.0	92.7	209.8	-
27	35.6	71.1	47.4	159.1	96.1	-	153.2	69.4	89.0	102.9	198.5	-
28	33.3	72.1	50.5	158.1	105.8	-	148.8	81.0	75.5	114.8	193.2	-
29	32.6	72.4	51.9	136.8	116.2	-	148.8	95.7	63.3	124.2	182.9	-
30	32.3	72.8	60.0	113.9	127.9	-	148.9	95.8	62.7	132.7	174.5	-
31	31.9	-	72.0	99.7	-	-	149.3	-	62.4	140.4	-	-

Table D-3A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	38.8	53.1	27.7	41.0	93.5	131.3	66.1	135.8	65.2	104.7	61.4	87.1	31.8	62.9	42.6	40.7	298.5	170.5
2	38.2	48.0	27.7	42.4	96.3	-	65.6	120.2	77.1	96.7	67.9	-	31.0	66.0	42.9	43.7	273.4	-
3	41.9	46.9	30.0	42.8	105.0	-	73.3	124.7	68.6	87.0	74.5	-	30.7	57.3	41.3	49.0	258.0	-
4	42.4	46.8	31.1	42.3	108.5	-	85.7	125.4	75.0	78.7	81.6	-	36.3	57.9	37.2	48.1	273.4	-
5	42.2	49.6	29.5	43.3	107.3	-	86.3	125.6	82.2	72.7	91.9	-	39.4	61.6	37.3	46.9	338.8	-
6	41.9	49.3	29.5	45.1	125.6	-	86.4	121.6	88.5	68.3	103.8	-	38.9	62.7	38.1	47.1	369.1	-
7	38.8	48.7	29.3	47.1	124.6	-	89.3	114.2	93.7	66.9	115.0	-	38.9	65.1	37.5	49.0	399.4	-
8	35.2	48.7	29.0	51.9	113.9	-	95.1	110.3	94.9	62.8	126.6	-	38.7	65.7	37.0	51.2	444.3	-
9	34.9	48.2	29.0	54.0	108.3	-	98.2	108.2	101.5	56.0	135.8	-	38.4	59.6	36.8	52.4	469.5	-
10	34.6	48.1	31.4	59.5	97.5	-	99.9	106.5	113.4	50.4	140.4	-	42.1	60.1	36.1	56.4	420.1	-
11	34.4	47.9	32.2	68.3	88.2	-	101.3	104.9	125.7	45.8	142.2	-	42.1	62.4	34.4	60.4	411.5	-
12	34.1	47.5	32.1	77.5	79.9	-	102.6	102.7	138.1	42.8	144.0	-	42.1	63.0	39.4	66.1	424.9	-
13	33.9	39.8	31.7	87.8	72.8	-	104.2	96.9	131.2	41.2	144.6	-	42.1	62.8	40.2	73.8	422.6	-
14	40.0	37.7	29.3	99.1	75.4	-	124.0	101.3	115.4	41.0	143.6	-	42.3	62.8	39.9	82.0	374.7	-
15	44.4	36.5	28.7	109.0	73.9	-	140.0	98.2	107.6	41.4	169.8	-	42.3	64.2	38.7	100.5	332.0	-
16	45.4	36.3	28.2	117.1	79.7	-	156.8	97.6	100.3	39.2	182.5	-	42.4	70.0	34.5	116.3	297.5	-
17	45.1	36.4	27.7	109.0	89.6	-	170.0	91.3	104.3	35.1	168.7	-	43.2	76.5	31.3	132.2	269.3	-
18	43.5	30.6	29.7	107.8	100.3	-	158.8	83.4	115.3	36.5	169.9	-	43.3	78.3	30.4	148.6	245.3	-
19	44.0	26.8	29.7	108.9	110.1	-	173.5	77.1	120.5	34.3	170.9	-	43.4	78.8	30.2	166.4	207.6	-
20	49.5	26.3	29.4	110.8	118.3	-	187.9	70.0	127.8	31.9	171.7	-	42.9	79.3	29.9	200.7	184.4	-
21	49.5	26.2	29.0	114.6	129.4	-	197.6	65.1	129.6	31.7	172.7	-	42.6	80.0	29.6	209.5	164.8	-
22	49.1	26.2	28.6	116.1	144.3	-	194.2	64.4	118.4	31.5	171.3	-	42.4	80.9	32.2	237.5	164.3	-
23	48.7	26.7	27.8	110.7	158.1	-	188.2	59.9	117.9	31.8	164.8	-	42.1	78.7	32.1	266.5	151.1	-
24	48.3	27.0	28.7	103.9	171.3	-	180.2	56.2	117.7	33.1	134.9	-	43.4	70.3	32.2	294.0	140.2	-
25	47.9	27.2	30.0	100.1	184.7	-	169.0	54.5	118.0	37.4	120.1	-	41.2	62.6	32.4	322.7	132.0	-
26	47.5	27.2	30.8	86.2	199.4	-	155.9	53.9	128.4	42.0	108.0	-	45.3	56.9	32.5	350.5	129.9	-
27	47.3	27.1	35.3	75.7	203.4	-	143.9	53.3	128.7	46.8	99.2	-	49.3	55.1	32.4	366.7	129.7	-
28	47.3	32.4	33.3	75.5	185.0	-	137.9	60.8	112.2	43.4	96.1	-	49.9	46.5	32.2	340.3	141.3	-
29	45.0	31.9	32.7	83.4	163.7	-	137.5	60.9	132.0	47.3	94.0	-	53.6	42.1	35.6	312.1	162.6	-
30	47.5	28.6	34.7	91.7	145.5	-	137.0	61.0	131.8	51.3	92.7	-	58.1	39.0	39.7	275.7	182.9	-
31	52.3	-	36.7	93.8	-	-	136.4	-	123.3	55.4	-	-	61.6	-	40.8	264.5	-	-

Table D-3A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	104.9	21.9	45.0	47.4	52.1	99.5	217.2	106.4	53.6	47.1	99.3	131.4
2	95.7	21.3	45.4	53.8	46.8	-	215.2	94.7	53.3	46.9	100.7	-
3	89.7	21.0	45.7	59.8	43.0	-	203.1	93.9	53.2	46.7	113.3	-
4	85.8	20.7	46.0	65.1	40.6	-	184.4	93.0	52.9	46.8	116.0	-
5	85.2	20.3	46.2	69.1	39.0	-	171.0	90.9	52.5	46.5	114.7	-
6	84.7	19.9	46.4	71.8	35.7	-	159.6	108.8	43.4	42.9	112.1	-
7	83.9	19.7	46.6	67.7	33.4	-	141.9	95.7	46.7	40.0	112.7	-
8	82.9	19.4	54.3	67.6	33.2	-	146.4	95.1	51.2	37.5	114.5	-
9	81.8	19.2	59.9	69.9	33.9	-	131.6	95.0	54.3	36.8	116.4	-
10	80.7	19.0	62.2	70.9	34.2	-	119.2	88.6	54.3	36.5	118.5	-
11	75.7	18.7	63.6	71.4	36.6	-	114.6	96.5	44.3	36.0	120.5	-
12	73.5	18.2	64.9	68.4	38.3	-	113.5	95.0	41.4	35.6	129.0	-
13	72.4	17.9	69.1	66.8	39.9	-	108.9	94.5	40.9	29.6	135.9	-
14	71.5	17.7	71.7	67.4	40.9	-	98.5	78.6	48.3	27.0	144.3	-
15	70.4	17.6	72.0	69.3	39.0	-	107.3	72.8	52.2	24.4	150.4	-
16	69.1	19.3	65.0	74.8	40.6	-	106.5	67.6	54.9	23.6	154.4	-
17	67.6	19.6	63.4	75.0	41.4	-	109.7	60.0	56.2	26.1	155.8	-
18	59.1	19.8	64.7	74.9	41.9	-	114.5	53.9	56.3	28.1	155.0	-
19	56.7	23.7	54.6	75.4	41.4	-	119.3	49.3	56.3	31.6	159.6	-
20	50.6	25.0	51.8	80.9	43.8	-	128.0	47.0	56.3	34.6	164.2	-
21	43.5	25.7	50.3	82.3	46.9	-	132.0	46.8	55.6	37.7	161.3	-
22	38.2	30.5	41.9	84.0	48.7	-	125.1	50.8	50.5	41.9	163.0	-
23	33.9	34.8	36.1	88.6	55.1	-	125.1	50.2	54.0	47.6	164.2	-
24	30.9	32.9	31.4	94.8	57.1	-	124.6	49.4	54.0	47.9	165.3	-
25	33.5	36.4	26.5	85.8	59.3	-	116.7	48.2	60.3	53.5	164.3	-
26	30.3	38.9	29.8	83.6	61.8	-	117.4	47.4	60.4	59.8	160.6	-
27	27.1	41.0	31.4	84.5	66.7	-	106.6	46.6	60.2	67.0	149.4	-
28	25.0	42.5	32.9	84.1	73.8	-	105.8	45.8	59.9	76.4	146.2	-
29	24.1	43.5	33.9	83.3	81.7	-	105.5	54.1	48.9	83.7	139.4	-
30	23.4	44.3	33.9	68.0	90.5	-	106.5	54.2	47.8	90.1	133.2	-
31	22.6	-	41.2	59.0	-	-	106.5	-	47.3	96.3	-	-

Table D-3B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	46.1	67.2	34.8	45.5	105.3	142.0	69.0	150.7	90.3	139.9	70.7	103.1	40.1	85.0	61.0	55.4	299.3	179.7
2	45.5	61.6	37.4	46.3	107.3	-	69.0	135.4	110.2	118.9	78.4	-	39.2	90.6	60.9	59.2	282.4	-
3	49.3	59.9	41.0	47.3	115.7	-	76.3	135.9	110.3	102.0	86.2	-	38.9	89.4	51.7	60.7	266.8	-
4	50.1	62.9	40.4	47.0	120.9	-	88.7	139.4	122.7	92.1	96.4	-	45.8	91.0	48.9	58.2	283.4	-
5	49.7	67.4	38.0	47.9	120.2	-	89.9	139.6	134.4	84.8	110.2	-	51.3	90.5	50.3	57.0	339.2	-
6	49.4	67.5	37.5	50.1	137.7	-	90.0	135.3	145.0	79.4	124.4	-	52.4	88.3	50.9	56.7	372.1	-
7	44.6	66.4	37.3	52.8	141.6	-	93.1	121.3	153.8	77.0	137.3	-	53.5	91.8	50.7	58.9	403.9	-
8	39.1	66.4	36.8	55.2	130.5	-	103.8	113.1	157.8	68.5	151.3	-	53.2	93.0	49.8	61.5	448.5	-
9	38.6	65.9	38.7	57.3	118.6	-	111.2	110.1	178.9	60.0	162.4	-	52.8	86.3	49.4	63.3	450.0	-
10	38.2	65.7	42.0	65.1	103.8	-	113.9	108.1	203.6	54.0	168.5	-	56.6	86.5	48.2	67.6	401.2	-
11	37.9	65.5	43.5	77.3	94.1	-	115.7	106.4	226.1	49.2	170.7	-	57.2	89.6	48.9	72.6	391.7	-
12	37.5	65.1	43.4	87.5	85.4	-	117.3	104.4	248.3	46.0	172.7	-	57.3	90.8	56.0	78.4	393.9	-
13	37.3	56.1	41.9	98.9	77.9	-	119.1	102.1	235.8	44.2	166.9	-	57.4	90.8	58.0	87.5	389.5	-
14	44.0	51.8	38.8	110.8	79.9	-	136.9	105.2	210.7	45.6	164.2	-	57.5	90.8	57.6	97.6	354.2	-
15	50.0	49.7	38.0	121.6	79.9	-	154.4	106.2	189.1	46.4	187.7	-	57.4	99.7	49.5	116.1	316.4	-
16	51.8	49.7	37.4	126.6	86.5	-	172.5	105.1	177.1	43.9	202.2	-	60.5	110.3	42.8	134.2	283.3	-
17	51.0	42.7	37.8	119.6	97.4	-	183.4	99.2	183.0	37.1	192.4	-	62.7	120.2	38.9	153.1	256.3	-
18	57.5	35.5	40.3	115.3	109.4	-	173.6	90.1	213.8	37.7	191.6	-	62.8	125.2	37.1	173.0	233.4	-
19	59.3	31.4	41.2	116.1	120.6	-	186.5	83.2	224.6	35.9	192.9	-	62.4	126.1	36.7	194.6	200.7	-
20	63.8	30.0	40.9	118.4	131.6	-	202.1	75.3	238.3	33.4	194.1	-	61.4	127.1	36.2	222.0	178.0	-
21	65.5	29.7	40.3	122.4	144.1	-	212.2	67.4	239.7	32.7	180.8	-	61.0	128.4	37.3	230.7	164.0	-
22	64.9	29.7	39.6	124.2	160.8	-	219.5	66.5	221.9	35.1	171.8	-	60.6	130.1	40.9	259.0	162.8	-
23	64.3	30.2	38.7	119.0	177.0	-	215.0	63.4	215.4	37.0	163.5	-	60.1	122.3	41.3	290.5	151.0	-
24	63.7	30.6	39.6	112.0	191.8	-	205.4	59.5	215.1	38.9	138.5	-	55.3	108.1	41.6	320.3	140.1	-
25	63.0	30.8	41.5	107.8	206.6	-	190.6	57.6	215.7	42.2	123.3	-	52.5	96.1	42.0	352.1	131.9	-
26	62.4	30.7	42.8	93.2	221.2	-	176.0	56.8	237.0	47.5	110.9	-	55.6	87.1	42.2	381.9	129.1	-
27	62.1	34.9	43.0	82.3	223.6	-	162.7	56.3	237.4	52.9	113.1	-	60.6	82.7	42.2	400.2	128.7	-
28	62.0	41.7	40.8	82.3	198.9	-	155.5	63.5	209.5	50.3	114.5	-	62.8	70.3	42.1	360.7	140.7	-
29	55.9	40.3	39.8	92.3	177.5	-	154.4	63.7	239.6	54.3	111.8	-	68.9	63.9	47.8	327.1	165.8	-
30	59.3	36.4	42.3	101.5	157.6	-	153.8	76.0	202.8	58.8	109.5	-	74.0	59.3	53.9	291.5	186.8	-
31	65.3	-	44.5	104.9	-	-	153.3	-	170.8	63.7	-	-	78.5	-	54.8	273.5	-	-

Table D-3B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	111.2	25.6	55.2	57.1	69.1	97.3	272.0	155.6	93.5	51.2	113.0	158.4
2	101.5	24.9	55.5	64.8	61.8	-	256.1	142.1	92.8	50.9	114.9	-
3	95.6	24.4	55.7	72.4	56.6	-	240.7	125.0	92.2	50.7	130.7	-
4	91.8	23.9	56.0	79.3	53.1	-	246.6	122.3	91.6	50.6	140.0	-
5	90.9	23.3	56.4	84.6	47.0	-	230.9	118.5	90.9	50.3	139.0	-
6	90.2	22.9	56.7	85.3	41.5	-	216.5	138.7	77.0	46.5	136.2	-
7	89.3	22.5	63.8	82.8	39.0	-	189.2	129.7	79.5	43.3	136.6	-
8	88.0	22.2	75.1	81.2	38.6	-	189.6	135.8	82.2	40.6	138.7	-
9	86.6	21.9	84.2	83.2	39.3	-	171.4	141.2	83.3	39.4	140.9	-
10	85.2	21.7	88.8	84.9	39.6	-	156.3	123.4	84.4	39.0	143.2	-
11	77.9	21.3	90.8	85.1	42.1	-	157.9	126.6	69.7	38.7	145.8	-
12	74.6	20.9	93.0	81.8	44.1	-	162.6	128.2	63.3	38.1	154.9	-
13	73.4	20.5	98.4	79.9	45.9	-	155.2	126.9	62.6	32.7	163.0	-
14	72.5	20.3	102.2	80.4	46.5	-	141.2	110.6	71.9	28.1	172.1	-
15	71.5	20.6	100.6	83.6	45.0	-	147.0	113.2	74.2	24.6	167.8	-
16	70.3	22.4	91.6	89.2	46.3	-	146.3	108.5	78.7	26.7	172.4	-
17	66.4	22.9	89.3	90.5	47.9	-	150.1	96.4	80.9	29.8	172.0	-
18	58.2	27.2	76.8	90.2	44.4	-	156.9	86.2	81.3	32.5	177.1	-
19	55.7	32.9	64.3	99.2	42.3	-	163.5	78.6	81.3	36.9	182.9	-
20	49.2	36.3	58.5	110.5	44.5	-	175.1	74.6	81.3	40.4	186.6	-
21	41.7	37.8	56.1	113.4	46.9	-	180.9	82.2	72.3	44.2	191.4	-
22	36.5	43.9	47.6	117.9	48.2	-	168.4	92.6	63.7	48.7	193.7	-
23	32.2	44.2	40.8	126.4	53.8	-	168.2	91.7	66.9	55.1	195.2	-
24	33.3	41.9	35.4	135.6	56.4	-	166.6	82.1	67.2	56.2	196.4	-
25	36.5	44.2	30.2	124.0	58.5	-	166.0	72.1	74.3	62.0	195.3	-
26	35.1	47.5	33.1	119.2	61.0	-	184.0	70.8	75.4	69.4	190.9	-
27	31.5	50.2	35.6	120.4	65.6	-	164.8	69.3	75.3	77.5	181.0	-
28	28.9	52.0	37.1	120.0	72.4	-	155.5	76.8	66.5	87.0	176.6	-
29	27.8	53.2	38.3	110.0	79.8	-	155.1	91.1	54.6	94.9	168.5	-
30	27.0	54.2	41.4	90.9	88.2	-	155.6	94.3	51.9	102.0	161.2	-
31	26.3	-	49.7	78.6	-	-	155.7	-	51.5	108.7	-	-

Table D-4A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	28.9	40.8	21.2	28.0	60.6	96.5	50.5	106.1	45.8	89.6	42.4	69.2	25.0	52.2	32.8	35.2	201.3	142.8
2	27.7	39.1	21.5	28.3	61.0	-	49.4	97.1	56.8	82.8	47.2	-	23.9	57.0	32.4	36.0	192.8	-
3	29.2	36.7	23.6	29.1	64.3	-	53.5	90.3	55.4	72.4	52.3	-	23.6	48.6	32.8	41.1	181.6	-
4	30.7	36.2	24.9	29.3	68.9	-	62.5	92.0	60.4	64.8	57.2	-	27.5	48.1	28.0	39.3	191.7	-
5	30.5	38.9	23.6	29.3	70.5	-	62.6	92.2	66.5	59.2	65.3	-	31.4	50.8	28.9	38.7	233.2	-
6	30.3	40.1	22.9	30.0	72.6	-	62.8	91.5	72.0	54.9	74.8	-	31.7	48.9	29.0	37.9	259.9	-
7	29.8	39.3	22.8	31.5	80.0	-	63.3	85.0	76.9	52.7	83.2	-	32.5	50.8	29.2	38.8	286.0	-
8	25.7	39.1	22.6	33.8	74.9	-	68.2	78.2	79.1	51.0	92.7	-	32.3	52.0	28.6	40.4	324.6	-
9	25.1	38.8	22.5	35.6	70.3	-	74.0	76.0	82.6	44.9	100.8	-	31.9	49.7	28.3	41.8	357.1	-
10	24.7	38.6	24.1	38.0	60.9	-	75.7	74.3	93.4	40.0	106.0	-	33.2	47.8	27.6	43.9	313.5	-
11	24.3	38.5	25.6	45.4	55.6	-	77.2	72.8	104.6	35.9	108.5	-	34.8	49.3	26.3	49.0	306.2	-
12	24.0	38.3	26.3	51.0	50.7	-	78.7	71.0	116.6	33.1	110.6	-	34.9	50.5	29.5	50.0	307.6	-
13	23.8	32.9	26.3	57.2	47.8	-	80.0	66.0	120.5	31.4	107.0	-	35.0	50.6	32.7	54.8	308.4	-
14	27.4	29.1	24.9	63.2	47.2	-	89.8	64.6	113.5	32.1	103.5	-	35.0	50.7	33.1	60.7	290.0	-
15	32.0	27.5	23.8	69.1	48.1	-	102.2	64.7	102.3	33.1	114.9	-	34.9	50.9	32.8	70.8	261.9	-
16	34.9	27.3	23.3	74.3	50.6	-	115.8	64.1	95.8	32.5	125.5	-	34.9	56.3	27.7	82.9	234.0	-
17	35.4	27.5	22.7	72.6	56.8	-	126.3	61.7	94.1	27.0	122.6	-	36.9	61.4	24.9	96.3	211.3	-
18	33.9	22.5	24.0	68.9	64.4	-	121.9	56.1	111.3	26.8	120.3	-	36.8	65.3	23.1	109.9	192.6	-
19	34.7	19.7	25.1	68.0	71.7	-	124.5	51.5	117.0	26.0	121.6	-	36.4	66.1	22.7	124.6	161.6	-
20	37.3	18.3	25.3	68.9	78.5	-	135.9	46.8	123.7	23.9	122.7	-	35.8	66.8	22.3	153.6	142.8	-
21	39.4	18.0	25.0	70.8	86.2	-	145.9	41.3	131.3	23.2	124.0	-	35.5	67.6	22.0	162.2	126.9	-
22	39.0	17.8	24.8	72.6	96.5	-	151.6	40.9	121.2	23.0	114.4	-	35.2	68.8	23.9	177.4	122.9	-
23	38.5	17.8	24.3	71.7	107.0	-	149.0	39.2	116.3	25.0	114.3	-	34.9	69.1	25.1	202.1	114.2	-
24	38.0	18.1	24.2	68.3	116.9	-	142.6	36.0	115.9	25.0	100.5	-	35.0	60.6	25.1	224.2	105.7	-
25	37.5	18.2	25.0	65.3	126.5	-	135.6	34.6	116.2	25.8	88.8	-	33.4	53.3	25.5	249.0	98.9	-
26	37.0	18.2	25.9	55.7	136.5	-	125.1	33.8	129.3	28.8	79.4	-	33.6	47.7	25.7	274.7	96.3	-
27	36.7	18.1	30.1	48.5	143.3	-	115.0	33.1	132.2	32.4	72.8	-	36.5	44.5	25.6	293.6	96.4	-
28	36.6	21.5	29.0	45.4	135.2	-	109.5	37.1	117.0	31.9	75.7	-	38.7	37.5	25.4	263.1	101.3	-
29	36.2	23.5	27.5	49.1	122.2	-	108.4	38.2	126.2	32.8	73.7	-	44.9	33.8	29.3	235.9	117.7	-
30	34.5	22.4	26.9	54.6	107.9	-	107.6	38.3	133.6	35.6	73.7	-	47.2	31.1	34.1	217.4	133.5	-
31	38.2	-	27.5	59.5	-	-	107.0	-	112.0	38.0	-	-	50.3	-	34.5	198.9	-	-

Table D-4A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	83.5	16.8	35.1	32.9	41.8	55.2	183.6	91.4	53.2	33.7	67.5	100.9
2	76.5	16.2	35.9	37.6	37.0	-	179.7	84.6	51.9	33.5	69.3	-
3	72.5	15.4	36.1	42.3	33.5	-	168.8	83.3	50.9	33.3	71.0	-
4	70.6	14.9	36.4	46.8	31.2	-	154.3	81.8	50.4	33.2	79.0	-
5	69.6	14.5	36.7	50.5	29.8	-	143.1	78.8	50.0	33.1	79.3	-
6	68.8	14.2	36.9	52.7	25.6	-	135.2	91.4	42.1	29.7	78.1	-
7	67.8	13.9	37.2	52.8	23.6	-	118.5	84.6	43.8	27.3	78.0	-
8	66.5	13.6	43.6	50.8	22.8	-	120.6	83.6	48.2	25.6	79.4	-
9	65.1	13.4	50.1	51.0	22.9	-	108.3	88.3	48.2	24.4	81.3	-
10	63.7	13.2	54.5	52.6	23.2	-	98.5	83.6	49.6	24.0	83.4	-
11	59.3	13.0	56.1	53.2	23.6	-	92.7	83.8	43.2	23.6	85.4	-
12	55.2	12.8	57.1	52.8	24.6	-	92.2	84.5	38.8	23.3	91.3	-
13	53.8	12.5	59.0	51.3	25.2	-	88.6	84.0	37.8	21.2	96.4	-
14	53.0	12.3	61.9	51.1	25.5	-	80.0	73.0	40.3	19.0	102.6	-
15	52.3	12.2	63.1	52.2	25.0	-	82.8	67.4	44.0	16.1	108.0	-
16	51.4	13.0	58.7	53.7	24.9	-	81.7	67.2	46.0	15.2	112.2	-
17	50.9	13.6	56.6	56.1	26.0	-	83.7	59.7	47.5	17.1	114.7	-
18	44.4	13.6	56.8	56.0	26.3	-	87.6	52.8	47.9	18.2	109.8	-
19	42.3	16.6	47.4	56.3	24.3	-	91.2	47.7	48.0	21.0	113.8	-
20	39.2	19.2	41.3	63.8	24.8	-	98.3	44.8	48.0	23.0	117.5	-
21	32.8	20.4	38.8	67.2	26.3	-	101.8	43.9	47.8	25.2	117.8	-
22	28.3	23.9	32.9	68.9	26.7	-	100.3	50.0	40.9	28.6	119.4	-
23	24.6	27.6	28.0	74.3	29.6	-	100.2	51.1	40.9	32.0	120.6	-
24	22.0	26.6	24.0	79.0	31.9	-	100.2	49.9	41.9	33.5	122.1	-
25	23.3	26.8	20.3	73.8	33.2	-	89.1	44.2	45.6	35.4	122.1	-
26	23.4	28.3	20.9	68.5	34.9	-	97.5	43.0	48.5	39.8	120.1	-
27	21.8	29.7	23.0	68.3	37.1	-	97.2	42.0	48.6	44.6	114.8	-
28	20.0	31.2	23.9	68.6	40.4	-	90.6	41.0	48.5	50.0	112.7	-
29	19.0	32.4	24.6	68.0	44.5	-	90.4	48.2	39.7	55.3	107.5	-
30	18.2	33.7	24.7	56.2	49.6	-	90.9	53.2	35.0	59.9	103.0	-
31	17.5	-	28.9	48.1	-	-	91.1	-	34.1	64.4	-	-

Table D-4B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	33.3	49.2	27.1	32.9	70.9	103.9	61.4	127.1	65.8	114.4	47.0	79.3	29.8	57.6	39.9	38.1	216.9	157.6
2	31.6	46.8	27.1	33.6	71.4	-	59.9	115.6	80.9	100.4	52.4	-	28.2	62.3	39.9	38.7	222.0	-
3	33.4	44.1	29.7	34.2	73.9	-	64.8	113.6	79.7	84.0	58.1	-	27.8	61.1	36.6	42.6	208.3	-
4	35.1	43.5	31.6	34.5	78.2	-	75.0	118.9	84.5	75.2	64.6	-	31.6	61.8	31.4	41.8	217.4	-
5	35.2	46.0	30.8	34.4	79.1	-	79.4	119.2	92.8	68.5	74.6	-	36.3	61.8	31.8	41.0	261.5	-
6	34.8	47.7	30.0	35.2	86.2	-	79.3	117.0	100.6	63.4	85.3	-	38.3	60.1	32.0	40.1	294.3	-
7	33.4	46.9	30.1	36.4	96.1	-	80.6	107.2	107.5	60.5	95.4	-	39.3	61.4	32.2	40.6	324.7	-
8	29.4	46.6	30.2	37.7	91.6	-	87.6	95.8	111.6	56.1	106.0	-	39.2	62.9	31.8	42.1	362.9	-
9	27.9	46.3	31.2	39.7	85.2	-	97.6	92.4	120.8	48.0	115.4	-	38.8	59.0	31.3	43.6	389.3	-
10	27.5	45.9	33.3	42.6	74.7	-	100.5	89.7	140.8	42.7	121.6	-	41.2	56.2	30.7	42.7	349.0	-
11	27.2	45.6	35.4	50.2	67.8	-	103.0	87.5	157.6	38.4	124.7	-	43.2	57.7	32.2	46.9	335.4	-
12	26.9	45.3	36.3	56.5	61.8	-	105.0	85.2	175.0	35.4	127.0	-	43.2	59.1	35.9	48.5	337.0	-
13	26.8	40.5	35.0	63.6	56.7	-	107.0	79.6	176.2	33.6	127.1	-	43.2	59.3	39.7	52.7	336.3	-
14	30.7	36.1	33.0	71.2	55.9	-	122.5	79.6	162.0	33.2	123.7	-	43.2	59.4	40.5	58.8	309.0	-
15	35.7	33.7	31.5	78.5	56.9	-	139.8	81.1	143.9	34.2	138.9	-	43.1	62.8	37.6	70.4	278.4	-
16	39.0	33.1	30.7	84.5	59.8	-	158.1	80.2	133.8	32.9	154.5	-	43.4	69.5	31.9	82.5	249.0	-
17	39.6	31.0	30.1	80.4	66.7	-	163.8	77.1	133.7	27.6	154.4	-	45.7	75.7	28.6	95.5	225.0	-
18	41.0	25.7	32.6	76.8	75.2	-	157.6	69.8	156.6	26.8	149.1	-	46.1	80.9	26.5	109.3	205.1	-
19	42.3	22.1	34.1	75.0	83.7	-	159.8	64.1	167.0	26.4	150.6	-	45.8	82.8	25.7	124.2	176.5	-
20	44.2	20.0	34.7	75.3	92.0	-	173.0	57.9	176.9	24.4	152.1	-	44.9	83.7	25.2	149.4	155.5	-
21	47.8	19.5	34.7	76.8	101.4	-	184.0	50.6	182.3	23.3	145.3	-	44.1	84.7	24.8	161.4	138.6	-
22	47.9	19.2	34.4	78.3	112.8	-	192.1	49.8	171.2	24.4	133.8	-	43.6	86.1	26.5	174.5	136.3	-
23	47.4	19.3	33.8	78.1	124.9	-	186.9	48.2	162.1	26.5	131.0	-	43.0	84.7	28.0	197.4	130.4	-
24	46.8	19.6	33.4	75.1	136.3	-	179.2	44.9	161.8	27.2	110.4	-	41.3	75.2	28.2	220.1	120.9	-
25	46.1	19.8	34.2	72.1	147.3	-	165.9	43.1	162.2	29.9	96.9	-	39.6	66.5	28.4	244.5	113.3	-
26	45.5	20.0	35.0	62.1	159.0	-	153.3	42.0	177.2	33.2	86.7	-	39.1	59.7	28.5	269.2	109.8	-
27	45.1	23.6	34.2	54.1	165.3	-	141.3	41.3	183.5	37.2	84.6	-	41.7	55.9	28.3	287.8	109.1	-
28	44.9	27.8	32.9	51.0	147.7	-	134.0	45.9	163.6	36.1	87.4	-	44.0	47.9	28.1	265.1	118.1	-
29	43.4	29.9	31.3	57.9	131.0	-	131.9	48.6	174.2	36.1	84.9	-	48.8	42.8	31.5	239.3	139.8	-
30	42.2	28.8	30.6	65.3	115.9	-	130.8	55.0	168.1	39.2	83.9	-	51.5	39.3	35.9	218.2	158.5	-
31	46.1	-	31.5	70.3	-	-	129.7	-	140.7	42.2	-	-	54.9	-	37.4	200.2	-	-

Table D-4B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	96.2	18.8	41.3	45.0	48.9	56.3	236.2	133.4	74.6	37.9	69.7	122.4
2	87.9	18.1	42.3	50.9	43.3	-	226.2	123.1	73.6	37.6	71.6	-
3	82.2	17.6	42.9	56.7	39.2	-	211.2	108.9	72.7	37.4	79.3	-
4	78.9	17.1	43.6	62.0	36.3	-	214.1	98.5	71.8	37.1	90.5	-
5	77.6	16.5	44.3	66.1	32.7	-	216.0	95.7	71.2	36.8	92.1	-
6	77.1	16.0	45.2	64.6	28.3	-	202.3	109.2	60.5	33.5	91.2	-
7	76.3	15.5	51.6	64.4	26.1	-	178.3	108.1	58.7	30.9	91.0	-
8	75.3	15.1	60.4	61.5	25.1	-	177.8	105.0	63.1	28.8	92.6	-
9	74.6	14.7	69.6	61.4	25.1	-	165.3	111.6	63.0	27.4	94.8	-
10	73.6	14.5	75.9	62.9	25.5	-	149.9	102.5	65.0	27.0	97.3	-
11	69.4	14.3	78.3	63.6	26.3	-	144.6	102.0	54.3	26.6	99.7	-
12	64.4	14.0	79.6	62.9	27.4	-	149.8	108.4	46.2	26.1	106.0	-
13	62.8	13.7	82.4	61.1	28.5	-	143.2	106.8	45.0	22.7	112.2	-
14	61.9	13.5	86.2	60.6	29.2	-	131.3	93.4	50.3	19.9	119.3	-
15	60.9	14.0	83.9	61.6	28.6	-	135.1	91.2	52.9	16.9	120.4	-
16	59.9	15.1	77.0	64.5	28.6	-	134.1	90.2	55.0	16.6	124.2	-
17	55.3	15.9	73.3	67.1	29.6	-	137.1	80.7	56.9	18.4	126.1	-
18	48.3	17.1	68.3	67.6	27.4	-	143.2	71.5	57.5	19.8	127.9	-
19	45.2	20.4	57.9	73.5	25.3	-	149.0	64.5	57.7	22.5	134.5	-
20	40.5	23.7	50.3	81.9	25.2	-	159.4	60.4	57.6	24.8	139.4	-
21	34.5	25.7	46.4	87.5	26.5	-	165.8	60.6	55.6	26.4	143.1	-
22	30.1	29.8	39.8	89.5	27.2	-	157.5	67.9	49.8	29.5	145.7	-
23	26.2	33.6	34.0	95.2	30.5	-	151.9	71.6	48.2	32.7	147.3	-
24	24.0	32.6	29.3	100.6	32.9	-	151.5	69.0	49.6	34.4	149.0	-
25	25.6	32.6	25.1	92.8	34.3	-	141.1	59.3	53.5	36.1	148.8	-
26	25.8	34.2	25.8	86.5	36.0	-	158.0	57.8	57.4	40.3	146.4	-
27	24.5	35.8	28.2	85.7	38.3	-	145.8	56.4	57.6	45.2	139.8	-
28	22.6	37.5	29.5	86.1	41.9	-	132.4	57.0	55.3	51.0	135.8	-
29	21.3	38.9	30.3	79.7	46.2	-	132.5	66.6	45.6	56.6	130.8	-
30	20.4	40.1	32.7	65.9	50.9	-	133.1	74.6	39.4	61.5	125.4	-
31	19.6	-	38.7	56.1	-	-	133.3	-	38.3	66.1	-	-

Table D-5A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	42.2	71.3	25.4	40.5	71.8	120.0	72.7	146.7	83.6	108.8	55.0	72.4	34.1	72.0	40.1	55.2	280.9	183.5
2	40.2	65.9	25.0	41.8	72.4	-	69.6	130.2	104.6	99.8	61.2	-	31.8	80.2	39.1	55.5	286.1	-
3	44.2	62.0	27.3	42.5	74.7	-	75.8	142.9	88.9	84.1	67.8	-	30.9	64.0	39.9	61.8	269.8	-
4	46.7	60.7	29.3	42.6	79.2	-	86.3	147.1	96.5	75.1	74.0	-	38.8	64.9	33.4	60.6	278.4	-
5	47.1	63.6	28.9	42.0	71.0	-	89.0	147.3	105.6	68.4	85.6	-	44.6	58.8	33.9	59.6	350.1	-
6	46.6	65.9	28.4	48.4	87.8	-	88.5	141.2	113.9	63.2	97.5	-	51.3	56.7	34.0	58.3	393.1	-
7	45.4	64.9	28.7	49.9	100.7	-	91.5	129.8	121.5	59.9	103.8	-	52.7	57.8	34.3	58.4	435.6	-
8	39.9	64.5	28.9	51.2	99.5	-	98.5	117.9	125.5	59.1	115.0	-	52.6	59.2	33.8	60.0	491.3	-
9	38.3	63.8	29.3	50.5	93.8	-	108.7	112.0	133.4	51.6	125.2	-	51.9	53.7	33.3	61.9	535.6	-
10	37.8	62.8	33.0	53.2	82.7	-	113.1	106.5	152.2	46.0	132.7	-	56.6	51.1	32.7	62.2	481.9	-
11	37.5	62.1	35.1	61.6	76.0	-	117.7	101.7	169.5	41.2	136.6	-	59.0	51.8	33.3	66.9	463.6	-
12	37.2	61.4	36.6	68.8	70.2	-	122.2	96.5	187.7	37.8	139.4	-	58.5	53.0	37.6	68.5	500.3	-
13	37.0	46.7	36.9	76.5	65.8	-	127.0	97.9	161.7	35.4	112.7	-	57.9	54.0	40.9	72.3	502.7	-
14	47.9	42.1	33.9	84.5	70.1	-	155.8	107.8	136.0	43.0	109.2	-	58.1	54.3	42.8	79.5	391.0	-
15	57.0	38.7	32.2	92.5	71.7	-	176.6	115.1	115.4	44.1	132.0	-	57.8	55.0	42.2	113.0	354.3	-
16	63.7	37.4	31.3	99.1	73.9	-	200.1	113.1	107.9	44.0	146.0	-	57.3	62.0	35.1	133.1	319.0	-
17	66.6	37.9	30.4	92.9	81.9	-	220.1	110.1	104.3	35.9	149.8	-	60.1	67.0	31.4	154.4	290.8	-
18	64.0	31.7	33.6	88.8	91.9	-	202.8	99.8	125.1	34.0	144.4	-	60.8	71.9	29.0	176.6	267.4	-
19	64.2	27.4	35.1	86.9	101.6	-	204.2	91.6	132.4	33.7	151.1	-	60.2	74.0	28.0	200.4	225.6	-
20	67.9	24.9	35.7	87.1	111.4	-	221.1	83.8	139.4	31.0	149.1	-	58.7	75.0	27.3	248.0	200.2	-
21	69.1	24.2	35.7	88.3	122.6	-	235.7	71.4	149.8	30.3	146.8	-	57.3	76.1	26.7	268.3	178.9	-
22	69.0	23.3	35.2	89.8	135.2	-	227.0	70.5	140.4	30.6	134.3	-	56.2	77.3	28.4	289.9	188.7	-
23	70.3	23.6	34.3	90.5	148.7	-	221.4	68.6	132.9	33.3	133.5	-	55.2	77.1	30.0	317.2	180.7	-
24	69.2	24.0	33.5	88.5	161.4	-	211.7	63.1	133.1	33.4	105.1	-	54.8	68.2	31.1	350.6	171.0	-
25	67.9	24.3	33.7	85.8	174.2	-	201.2	60.5	133.8	39.5	92.5	-	53.4	60.7	31.6	379.0	160.9	-
26	66.7	24.4	34.1	66.9	187.9	-	185.8	58.9	144.1	42.9	82.5	-	52.2	54.9	32.3	387.4	155.1	-
27	65.8	24.7	42.4	56.6	198.2	-	171.1	57.7	151.4	48.0	75.2	-	54.5	51.6	34.3	420.0	153.0	-
28	65.1	30.0	40.7	51.4	165.3	-	162.0	64.8	132.6	43.8	79.2	-	56.5	43.6	33.7	329.9	159.1	-
29	53.7	28.1	38.9	62.3	149.6	-	157.4	69.3	147.8	42.6	76.9	-	62.7	38.8	44.6	286.8	187.5	-
30	60.4	26.6	37.1	70.2	133.1	-	153.1	69.3	164.2	46.2	76.8	-	65.7	35.6	53.3	244.6	211.6	-
31	67.1	-	36.8	71.9	-	-	149.5	-	136.2	49.4	-	-	69.3	-	54.1	225.0	-	-

Table D-5A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	128.1	22.1	38.5	47.7	41.1	48.3	344.9	142.1	87.2	48.3	66.6	151.3
2	118.7	21.0	39.8	53.5	36.5	-	330.0	129.3	85.6	48.1	65.1	-
3	112.4	20.1	40.7	59.0	33.1	-	298.4	127.6	84.0	50.5	80.7	-
4	108.8	19.4	41.6	63.9	30.7	-	273.1	121.5	82.5	50.0	92.8	-
5	106.4	18.6	42.7	67.8	28.6	-	263.5	119.0	79.3	49.6	96.6	-
6	106.0	17.9	43.7	71.5	24.7	-	253.2	147.8	61.8	44.8	97.8	-
7	105.0	17.2	44.7	71.3	22.6	-	220.9	136.2	61.0	41.1	99.3	-
8	103.9	16.4	52.6	67.8	21.4	-	232.9	133.4	66.0	38.3	102.6	-
9	103.4	15.8	60.9	66.5	21.0	-	213.0	141.5	65.1	36.2	106.8	-
10	102.6	15.4	67.2	67.6	20.8	-	195.3	135.3	67.0	35.3	111.2	-
11	98.8	15.1	69.9	69.4	22.1	-	183.6	141.0	55.6	34.7	115.2	-
12	91.8	14.6	71.5	70.1	22.8	-	185.0	147.5	47.9	34.0	124.2	-
13	89.2	14.2	72.8	69.2	23.3	-	177.9	144.8	46.0	26.4	132.6	-
14	87.4	13.9	75.3	68.7	23.6	-	164.5	119.3	57.0	22.5	141.2	-
15	85.4	13.6	77.3	70.2	23.4	-	180.2	110.0	64.3	18.7	149.3	-
16	83.4	15.4	68.3	65.8	23.0	-	177.9	109.2	67.5	17.3	155.6	-
17	81.5	16.2	70.6	68.8	23.7	-	181.3	100.0	68.4	18.3	157.1	-
18	70.7	16.4	69.1	69.5	23.9	-	187.9	91.8	69.8	18.6	164.2	-
19	65.7	19.3	59.1	70.0	21.9	-	194.5	83.3	73.0	21.3	170.7	-
20	52.1	22.3	50.8	77.6	21.4	-	206.4	78.9	72.0	23.4	178.1	-
21	43.9	24.3	46.8	83.2	22.2	-	211.8	77.4	70.2	25.4	184.2	-
22	38.5	27.9	40.3	85.3	22.2	-	182.9	85.7	61.2	27.7	187.4	-
23	33.6	32.0	34.7	91.5	26.6	-	181.9	90.1	61.6	30.5	189.7	-
24	30.2	30.4	30.1	95.5	28.3	-	180.8	88.3	62.9	31.3	192.3	-
25	32.5	30.7	25.5	83.1	29.4	-	163.4	75.7	69.1	32.6	193.0	-
26	31.6	31.9	28.2	76.7	31.1	-	180.9	73.4	74.1	35.8	191.1	-
27	30.4	33.2	30.6	73.5	33.2	-	150.8	70.8	74.6	39.1	168.3	-
28	28.4	34.8	32.3	73.1	35.8	-	138.7	67.6	75.6	48.0	163.5	-
29	26.4	36.5	32.9	72.7	39.4	-	139.8	75.9	62.4	53.9	158.7	-
30	24.4	37.1	32.7	55.3	43.7	-	142.2	85.2	52.5	58.8	154.0	-
31	23.4	-	41.8	47.1	-	-	142.4	-	49.0	63.3	-	-

Table D-5B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	57.7	101.0	41.3	62.8	85.4	122.8	98.8	219.9	112.9	162.8	62.3	97.4	52.3	107.9	64.0	89.9	343.4	230.6
2	55.6	90.4	45.8	65.5	85.5	-	101.4	190.4	142.9	134.7	69.4	-	49.1	121.5	62.0	98.0	338.3	-
3	63.0	85.2	51.8	66.8	87.2	-	113.3	190.0	139.4	112.2	76.9	-	47.8	116.4	54.0	96.7	321.2	-
4	66.2	90.2	51.2	67.3	90.8	-	135.7	195.7	145.3	100.1	88.9	-	58.6	117.3	53.9	93.2	357.5	-
5	66.5	97.6	49.2	67.5	86.8	-	146.4	196.8	157.5	90.7	104.8	-	67.5	109.7	55.3	90.5	447.4	-
6	65.5	100.3	48.2	73.4	102.1	-	145.6	188.5	170.2	83.6	118.3	-	71.6	106.3	55.9	88.6	504.5	-
7	55.9	98.7	48.2	77.1	115.9	-	150.3	158.8	181.6	76.8	129.8	-	74.0	106.2	55.9	89.7	560.9	-
8	48.0	98.9	48.1	69.5	116.3	-	176.5	142.2	196.6	66.5	143.8	-	74.8	109.6	54.5	92.0	632.5	-
9	44.1	97.8	56.0	66.8	96.1	-	195.9	134.5	230.4	56.8	156.8	-	74.4	99.4	52.2	95.4	582.5	-
10	42.6	96.3	64.8	79.7	84.4	-	205.6	127.6	269.4	50.6	166.1	-	83.4	95.8	50.5	94.3	512.0	-
11	42.2	95.0	69.7	92.4	76.8	-	214.4	122.0	301.1	45.5	170.8	-	86.5	96.8	61.8	101.7	480.0	-
12	42.0	93.2	72.7	104.1	71.1	-	222.1	116.5	333.6	41.7	174.0	-	86.3	99.1	71.4	107.0	508.5	-
13	42.2	82.7	64.8	115.5	67.1	-	230.2	113.3	294.1	39.2	153.1	-	85.7	99.4	78.8	111.9	508.3	-
14	53.3	75.9	59.1	127.7	70.2	-	288.1	123.8	247.8	43.7	147.4	-	86.1	99.2	82.3	123.6	434.3	-
15	62.8	70.0	56.3	139.7	71.4	-	328.0	129.2	216.0	45.1	174.7	-	86.9	112.0	67.4	159.7	394.3	-
16	70.1	67.7	54.5	128.3	76.1	-	369.7	127.1	201.9	44.3	197.3	-	93.4	125.0	56.0	188.5	355.8	-
17	72.7	53.7	62.2	117.4	83.9	-	348.8	117.5	197.4	35.2	191.2	-	98.5	133.9	49.9	219.1	324.5	-
18	85.8	43.1	70.2	111.4	93.8	-	318.2	105.8	242.3	34.8	188.4	-	100.9	143.5	45.7	251.7	298.4	-
19	84.8	36.1	74.6	108.1	104.1	-	322.6	96.9	262.5	34.5	195.9	-	99.6	148.2	43.3	287.0	246.6	-
20	88.8	32.3	76.6	107.7	115.1	-	340.6	86.8	276.9	32.1	197.1	-	97.5	153.4	41.3	317.2	217.8	-
21	94.9	30.6	77.0	108.9	127.2	-	365.7	72.1	289.7	30.5	166.8	-	95.4	157.8	45.6	328.2	208.7	-
22	96.5	29.6	76.0	110.4	140.6	-	380.5	70.6	275.4	35.7	152.7	-	93.3	160.8	51.0	354.1	209.9	-
23	97.6	29.7	74.1	111.2	155.4	-	367.7	68.9	259.1	38.9	148.4	-	91.5	142.5	54.1	387.3	204.8	-
24	96.5	30.1	72.4	109.4	169.0	-	347.6	63.6	258.2	40.0	120.6	-	80.9	126.3	56.4	432.2	191.4	-
25	94.5	30.5	72.4	106.5	182.3	-	320.8	61.7	255.0	43.9	104.1	-	75.9	112.1	57.0	478.6	180.2	-
26	92.7	31.1	72.2	83.9	196.1	-	297.2	59.8	288.6	48.2	93.0	-	74.0	100.8	57.3	519.2	174.9	-
27	91.5	39.1	72.1	71.4	202.7	-	274.2	58.8	305.7	53.8	98.7	-	75.9	93.9	57.6	561.3	173.5	-
28	90.5	47.9	68.6	66.6	173.1	-	258.5	68.5	259.0	49.4	106.0	-	79.4	75.3	56.7	468.3	187.8	-
29	79.1	45.5	65.6	78.7	152.4	-	251.1	74.0	284.2	48.3	104.0	-	87.6	66.5	70.8	393.9	226.1	-
30	87.9	43.4	62.9	90.6	136.2	-	245.5	89.6	260.1	52.0	102.5	-	93.6	61.1	87.3	342.0	254.9	-
31	95.7	-	62.6	89.7	-	-	240.0	-	207.6	56.2	-	-	98.5	-	88.7	313.3	-	-

Table D-5B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	171.5	30.4	69.1	78.8	73.2	51.1	471.3	263.9	207.4	68.5	93.0	203.2
2	159.5	28.9	70.8	88.0	64.7	-	404.0	237.7	203.5	67.5	95.4	-
3	152.3	27.9	71.9	97.2	58.5	-	366.3	201.4	199.1	67.6	117.2	-
4	147.6	26.9	73.2	105.6	54.1	-	391.4	180.8	195.9	66.3	135.3	-
5	144.5	25.7	75.1	112.1	42.3	-	400.2	176.6	193.3	64.5	143.8	-
6	143.9	24.5	77.2	110.4	36.3	-	370.6	212.5	156.3	54.0	148.2	-
7	141.7	23.5	100.8	105.2	32.8	-	321.5	206.8	159.6	49.5	150.8	-
8	139.8	22.5	124.5	98.3	31.0	-	333.4	219.6	150.9	45.9	155.0	-
9	138.2	21.7	149.1	95.1	30.5	-	320.4	228.1	150.3	43.3	160.7	-
10	136.5	21.1	167.8	96.3	32.8	-	297.6	193.0	154.2	42.2	166.9	-
11	124.0	20.7	175.9	98.1	34.7	-	308.2	199.0	123.7	41.5	172.9	-
12	115.6	20.2	179.7	98.9	35.7	-	318.7	214.1	103.4	40.1	185.5	-
13	112.2	19.7	182.9	97.7	36.6	-	303.4	209.8	100.9	31.7	197.8	-
14	110.2	19.3	189.0	97.1	37.0	-	281.9	171.8	122.9	25.6	210.7	-
15	107.6	22.2	165.1	98.5	36.7	-	310.9	180.5	127.4	21.4	206.4	-
16	105.5	24.9	147.1	97.8	36.2	-	311.4	178.1	134.2	23.4	219.7	-
17	86.6	26.4	142.9	100.0	36.8	-	316.9	164.0	138.0	25.9	216.4	-
18	72.1	32.8	116.2	101.7	31.0	-	328.3	147.3	140.6	28.5	223.8	-
19	65.7	39.6	96.2	122.1	27.7	-	340.3	133.1	142.5	34.2	236.6	-
20	54.6	46.1	83.5	136.8	26.5	-	357.8	124.3	141.6	37.6	233.4	-
21	44.1	51.2	75.9	149.2	23.5	-	368.2	147.8	114.5	39.8	234.7	-
22	38.6	63.6	60.6	178.8	23.4	-	329.7	165.0	107.4	42.6	240.6	-
23	33.7	58.0	51.5	193.7	28.5	-	315.1	176.2	111.5	46.8	243.7	-
24	38.0	51.4	44.5	203.6	30.7	-	308.5	153.7	112.8	45.6	246.8	-
25	43.5	54.9	35.4	172.6	32.1	-	298.7	132.5	131.1	47.5	247.6	-
26	42.6	56.7	39.6	158.6	33.8	-	322.4	126.9	141.1	51.9	245.0	-
27	41.3	58.8	42.9	152.6	36.0	-	283.8	121.4	144.0	56.8	226.2	-
28	38.7	61.5	45.4	151.8	38.9	-	260.8	153.0	110.8	66.6	219.0	-
29	36.1	64.5	46.2	127.6	42.7	-	260.5	179.3	89.2	74.6	213.3	-
30	33.7	66.5	54.3	98.8	46.7	-	263.3	201.3	75.4	81.3	206.9	-
31	32.1	-	68.0	83.4	-	-	263.8	-	70.0	87.5	-	-

Table D-6A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	33.4	53.2	22.6	35.5	48.3	96.6	64.0	149.7	59.1	115.4	38.8	66.7	31.7	61.6	33.3	41.2	225.4	175.4
2	32.0	49.4	22.2	36.6	48.3	-	60.8	127.6	73.7	103.5	43.3	-	29.4	67.9	33.6	41.4	226.1	-
3	35.3	46.3	25.2	37.4	49.0	-	68.4	129.9	66.0	84.9	48.1	-	28.3	60.6	33.1	47.7	214.7	-
4	37.5	44.7	27.3	37.7	51.4	-	80.8	133.3	70.5	75.6	52.7	-	33.3	61.4	27.8	46.2	234.0	-
5	38.4	48.4	26.2	37.6	52.8	-	86.6	134.0	76.8	68.3	62.1	-	38.6	60.4	28.6	45.0	295.9	-
6	37.7	50.2	25.7	38.1	62.2	-	86.0	131.4	83.1	62.8	71.7	-	41.1	58.7	29.0	44.0	327.7	-
7	36.9	49.5	25.6	40.6	71.1	-	86.9	120.7	88.7	58.5	78.8	-	42.5	58.3	29.1	44.7	363.5	-
8	32.2	49.8	25.2	42.1	73.9	-	93.4	106.1	93.4	57.2	87.5	-	42.9	59.4	29.0	45.9	414.5	-
9	29.6	49.4	25.5	39.9	69.6	-	104.7	100.4	96.9	48.6	96.2	-	42.5	53.7	28.1	47.6	464.2	-
10	28.5	48.8	29.5	41.0	60.3	-	109.8	94.5	114.3	42.9	103.2	-	47.2	51.3	27.1	48.5	407.6	-
11	28.0	48.2	32.4	47.7	54.2	-	115.0	89.8	128.5	38.2	107.1	-	49.8	51.2	26.8	51.0	379.1	-
12	27.7	47.6	34.3	54.5	50.2	-	119.8	85.3	143.8	34.6	109.6	-	50.0	52.2	32.1	53.6	398.2	-
13	27.5	41.3	35.1	60.6	46.7	-	124.4	74.6	144.0	32.2	111.8	-	49.7	52.6	36.1	55.0	401.8	-
14	31.2	38.0	31.4	67.2	50.0	-	154.1	75.2	132.3	30.8	105.3	-	49.6	52.1	38.7	58.7	363.8	-
15	37.3	34.8	29.4	73.8	51.6	-	176.4	77.9	116.1	32.3	123.0	-	50.3	52.8	39.3	71.9	332.0	-
16	42.6	32.7	28.2	79.6	52.5	-	201.4	76.4	108.4	32.5	139.6	-	50.1	58.6	32.5	85.6	298.9	-
17	45.9	32.8	27.2	72.4	58.1	-	223.4	75.0	103.7	26.5	129.5	-	53.7	63.0	28.8	100.2	272.3	-
18	44.8	26.1	31.1	68.5	64.9	-	200.7	67.4	123.9	27.7	124.4	-	55.1	67.4	26.2	115.3	250.6	-
19	45.1	21.8	33.2	66.3	72.1	-	202.2	61.7	133.1	27.7	132.1	-	55.2	70.6	24.9	131.5	206.9	-
20	47.7	19.4	34.2	66.0	79.6	-	215.0	56.5	139.9	25.7	133.7	-	53.2	71.7	24.1	167.5	183.4	-
21	52.0	18.3	34.4	66.6	88.6	-	230.0	46.5	150.5	24.2	135.4	-	52.0	73.3	23.4	170.9	163.8	-
22	53.2	18.0	34.1	67.4	98.0	-	239.2	45.6	142.9	23.7	122.2	-	50.9	74.8	26.4	183.9	168.0	-
23	52.3	18.0	33.3	67.9	108.8	-	231.9	44.7	134.0	26.1	117.7	-	49.8	75.0	28.2	194.8	165.7	-
24	51.8	18.3	32.4	67.2	118.9	-	222.0	41.2	133.4	26.9	93.4	-	49.5	66.3	30.5	215.7	154.2	-
25	50.6	18.5	32.1	65.8	129.2	-	207.7	39.3	133.5	29.6	80.8	-	45.8	58.6	31.3	239.8	144.6	-
26	49.5	18.6	32.2	55.3	140.4	-	192.1	38.0	153.1	31.8	71.8	-	44.4	52.3	31.6	266.7	139.2	-
27	48.7	18.8	37.1	45.6	149.2	-	177.2	36.9	165.8	35.5	65.3	-	44.9	48.2	31.2	288.8	137.5	-
28	48.2	23.4	35.6	40.4	134.2	-	166.7	44.0	137.8	32.0	69.9	-	46.8	38.4	31.1	285.0	140.2	-
29	45.6	24.5	34.2	44.5	120.2	-	160.4	48.6	151.3	30.6	69.9	-	51.9	33.1	33.1	249.3	167.5	-
30	45.7	23.5	32.7	51.0	107.3	-	156.5	49.0	170.4	32.5	70.0	-	56.2	30.2	39.7	214.4	189.5	-
31	49.9	-	31.6	50.3	-	-	153.1	-	144.1	34.9	-	-	59.1	-	40.8	195.1	-	-

Table D-6A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	105.9	17.9	36.9	39.2	34.7	33.6	257.1	160.8	91.8	44.3	50.5	123.6
2	98.2	16.7	38.1	44.1	30.6	-	241.8	140.2	90.6	43.8	52.6	-
3	94.2	15.9	39.0	48.7	27.6	-	229.3	134.9	88.4	43.0	62.3	-
4	91.3	15.3	39.7	53.0	25.5	-	215.5	121.6	86.9	42.7	72.5	-
5	90.0	14.7	40.7	56.5	23.9	-	219.3	116.0	85.4	42.1	77.8	-
6	89.9	14.0	41.7	58.9	20.2	-	212.4	140.2	68.0	36.1	79.8	-
7	89.3	13.4	42.9	57.0	18.0	-	184.5	133.1	67.6	32.9	81.7	-
8	88.0	12.8	53.0	54.1	16.8	-	194.8	127.4	72.0	30.3	83.8	-
9	86.6	12.3	63.2	51.4	16.3	-	183.5	134.4	71.3	28.5	86.9	-
10	84.9	11.9	72.8	51.1	16.1	-	168.6	130.3	73.1	27.5	90.8	-
11	80.2	11.6	78.6	51.8	17.0	-	157.7	137.5	58.2	26.8	94.6	-
12	73.7	11.3	81.8	52.6	17.5	-	163.4	149.0	47.9	26.3	104.3	-
13	70.5	10.9	83.7	52.7	17.9	-	156.3	146.0	45.4	20.9	112.5	-
14	69.0	10.7	85.9	52.5	17.9	-	145.1	117.3	54.5	17.3	120.3	-
15	66.7	10.5	88.2	54.3	17.9	-	161.9	107.9	62.9	14.2	128.4	-
16	64.9	11.8	77.7	55.2	17.5	-	159.7	108.3	65.7	12.6	132.7	-
17	62.9	12.8	71.9	56.1	17.7	-	162.1	100.5	67.5	14.2	134.2	-
18	52.3	13.3	70.1	57.3	18.0	-	168.5	88.8	68.8	15.3	127.4	-
19	47.0	16.2	57.9	57.6	15.9	-	174.5	79.9	69.3	17.9	133.3	-
20	42.8	18.9	49.5	64.9	15.0	-	185.3	74.4	69.1	19.9	139.4	-
21	35.1	21.1	44.8	71.3	15.2	-	191.0	72.3	67.7	21.4	137.0	-
22	30.7	26.2	35.8	74.8	14.7	-	186.3	80.9	58.5	23.3	140.0	-
23	26.7	30.4	30.4	82.9	17.7	-	180.7	87.0	59.5	25.4	142.0	-
24	23.6	27.7	26.1	87.7	19.7	-	179.6	87.1	60.1	24.8	144.4	-
25	26.4	29.3	20.6	74.0	20.6	-	161.5	73.4	69.8	25.6	145.4	-
26	25.3	30.1	22.6	66.0	21.9	-	178.1	70.1	75.9	27.5	144.6	-
27	24.8	31.0	24.7	61.8	23.5	-	173.8	66.9	78.9	30.6	138.0	-
28	23.6	32.1	26.6	59.9	25.3	-	157.4	63.5	79.0	34.9	132.9	-
29	22.1	33.7	27.6	59.5	27.7	-	157.8	75.7	62.2	39.7	129.8	-
30	20.5	35.5	27.7	47.4	30.7	-	160.1	86.3	51.4	43.8	126.2	-
31	19.0	-	33.9	39.6	-	-	160.6	-	45.7	47.3	-	-

Table D-6B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	43.2	71.9	27.0	40.0	56.6	102.2	70.8	167.1	86.1	151.0	49.6	84.1	38.5	85.4	51.1	63.4	244.2	200.5
2	41.3	67.1	29.2	40.5	55.9	-	67.6	144.5	107.9	123.3	55.5	-	35.8	94.8	51.2	64.9	248.6	-
3	45.1	63.0	33.2	41.6	56.3	-	75.0	144.9	107.7	99.8	61.9	-	34.5	93.6	45.2	65.5	240.5	-
4	48.0	66.4	33.0	42.2	58.5	-	88.0	148.6	112.9	88.4	71.4	-	41.1	94.6	42.8	62.4	263.0	-
5	49.2	72.9	31.4	42.3	58.4	-	97.0	151.2	120.0	79.4	85.4	-	48.2	92.3	44.0	60.4	326.9	-
6	48.6	76.3	30.5	44.3	67.0	-	97.3	146.6	130.3	72.8	97.2	-	52.1	87.6	44.7	59.0	379.6	-
7	43.0	76.0	30.2	47.7	77.5	-	99.2	127.9	139.4	67.9	105.5	-	55.0	86.0	44.8	58.9	422.4	-
8	36.8	76.2	29.9	48.5	81.3	-	112.5	112.0	148.6	61.2	116.8	-	56.1	87.0	44.3	60.4	480.7	-
9	33.0	75.6	30.8	46.1	76.7	-	126.9	105.6	169.4	51.9	128.4	-	56.3	81.8	42.6	62.4	496.0	-
10	31.9	74.8	35.7	47.4	65.8	-	134.0	99.5	200.8	45.9	137.6	-	61.2	78.0	40.7	68.2	434.5	-
11	31.3	73.8	39.4	55.7	59.0	-	140.4	94.5	225.8	41.0	142.7	-	65.1	77.5	40.6	72.0	399.0	-
12	31.0	72.9	41.7	63.8	54.6	-	146.3	89.7	252.1	37.2	146.2	-	65.6	79.1	48.5	76.5	411.7	-
13	30.8	61.7	40.5	70.9	51.0	-	152.1	87.6	233.9	34.6	135.5	-	65.2	80.0	54.4	78.5	415.7	-
14	37.5	56.2	36.5	78.7	54.2	-	181.8	89.7	208.7	36.4	127.2	-	65.1	79.9	58.3	84.4	370.9	-
15	45.0	51.4	34.1	86.5	56.2	-	210.3	94.0	181.4	38.5	147.6	-	65.6	87.2	50.6	104.7	335.6	-
16	51.3	48.5	32.8	86.6	59.6	-	238.9	92.7	168.3	38.5	169.3	-	70.7	97.9	41.4	125.7	302.6	-
17	54.9	42.2	34.2	79.7	65.7	-	264.4	90.8	161.8	31.2	161.1	-	75.8	106.0	36.1	147.4	275.7	-
18	61.5	34.0	38.5	74.5	73.4	-	241.6	82.5	192.9	30.8	154.9	-	78.4	113.1	32.7	170.9	253.5	-
19	62.1	28.0	41.8	71.3	81.8	-	241.0	75.2	216.2	30.8	162.3	-	78.7	118.7	30.5	196.4	212.0	-
20	64.6	24.3	43.7	70.3	90.9	-	249.9	68.0	228.1	29.1	165.0	-	76.5	122.1	29.0	222.4	185.7	-
21	70.0	22.4	44.4	70.7	101.3	-	266.9	55.7	241.1	27.2	151.6	-	75.2	126.8	30.9	227.2	171.0	-
22	73.1	21.6	44.3	71.5	112.4	-	276.8	54.0	232.0	29.2	133.9	-	73.5	130.6	35.1	242.3	173.0	-
23	73.1	21.4	43.4	72.1	125.1	-	266.4	53.0	216.9	33.0	127.5	-	71.9	122.4	38.0	261.2	171.2	-
24	72.6	21.6	42.4	71.8	137.0	-	254.9	49.5	213.4	34.6	104.4	-	64.6	106.0	40.5	285.2	160.3	-
25	71.1	21.9	41.9	70.5	148.7	-	232.5	47.0	213.2	36.8	88.6	-	60.2	93.6	42.2	316.3	150.6	-
26	69.5	22.0	42.0	58.1	160.9	-	216.0	45.6	245.4	40.4	78.8	-	58.1	83.4	42.7	344.7	145.6	-
27	68.5	23.9	46.2	48.2	169.1	-	199.1	44.5	264.7	44.8	82.5	-	58.1	76.9	43.2	372.3	144.0	-
28	67.7	29.5	44.6	43.2	145.4	-	186.8	52.3	224.9	41.2	88.4	-	60.3	62.6	43.0	329.3	153.4	-
29	58.9	29.5	42.8	49.9	126.9	-	180.2	57.6	242.6	39.4	89.0	-	67.9	54.0	51.1	286.8	185.7	-
30	61.5	28.2	40.9	58.4	113.8	-	176.0	70.2	225.1	41.2	87.8	-	73.5	49.2	61.3	247.6	210.3	-
31	67.2	-	39.7	58.4	-	-	171.7	-	189.9	44.7	-	-	77.1	-	62.5	222.6	-	-

Table D-6B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	117.1	21.4	44.9	47.6	48.4	31.9	344.8	234.7	145.0	46.9	65.2	160.4
2	108.5	20.2	46.2	53.5	42.5	-	323.7	209.1	144.5	46.1	68.2	-
3	103.1	19.3	46.9	59.4	38.2	-	304.4	181.6	140.9	45.6	80.5	-
4	99.8	18.5	47.8	65.0	35.0	-	315.0	160.8	138.0	45.2	95.4	-
5	97.5	17.6	48.9	69.6	29.7	-	324.8	154.7	135.4	44.2	104.5	-
6	96.6	16.8	50.3	70.6	24.3	-	308.3	182.6	109.6	38.4	107.8	-
7	95.2	16.0	58.9	69.7	21.5	-	268.0	180.2	105.3	34.7	110.9	-
8	93.3	15.3	73.5	66.6	20.0	-	277.3	176.4	105.4	31.9	114.0	-
9	91.7	14.6	88.4	63.0	19.4	-	272.1	189.0	102.5	29.9	118.5	-
10	90.1	14.2	102.5	62.3	19.1	-	250.7	168.3	103.7	28.7	123.7	-
11	82.1	13.8	111.4	63.2	20.2	-	252.3	169.5	84.6	28.1	128.8	-
12	75.2	13.4	115.8	64.1	20.9	-	262.4	184.8	69.2	27.4	140.4	-
13	71.7	13.0	118.2	64.0	21.4	-	249.7	182.8	65.2	22.1	150.7	-
14	70.1	12.7	121.4	63.8	21.6	-	232.9	153.4	77.4	17.9	161.0	-
15	68.0	13.1	118.6	65.1	21.5	-	249.3	157.1	79.8	14.6	154.2	-
16	66.2	14.7	105.2	65.3	21.2	-	253.5	159.0	83.5	15.4	158.0	-
17	64.3	16.0	98.7	66.0	21.2	-	256.8	148.5	86.4	17.4	158.9	-
18	54.2	19.5	82.1	67.6	19.2	-	266.0	132.8	87.9	19.2	161.6	-
19	48.4	24.1	66.6	76.5	16.6	-	275.6	119.2	88.8	22.5	170.5	-
20	41.7	28.5	56.7	88.4	15.4	-	290.0	110.0	88.8	25.3	172.9	-
21	34.2	32.4	50.5	98.3	15.1	-	299.7	122.7	75.2	27.5	177.3	-
22	29.6	39.6	41.2	106.5	14.5	-	281.0	141.3	64.6	29.9	182.6	-
23	25.6	39.0	34.5	119.4	17.1	-	266.8	152.9	63.8	32.4	185.5	-
24	26.8	35.7	29.6	127.0	19.0	-	264.1	140.8	64.2	32.2	188.2	-
25	29.7	36.4	24.0	109.2	20.0	-	262.3	117.6	73.2	33.1	189.5	-
26	29.4	37.4	25.7	97.4	21.2	-	287.5	111.3	80.2	35.6	188.3	-
27	28.8	38.5	28.1	91.5	22.6	-	257.3	106.1	83.5	39.4	179.1	-
28	27.5	39.8	30.2	89.3	24.4	-	232.2	101.1	83.8	45.0	172.1	-
29	25.8	41.7	31.3	84.5	26.6	-	231.1	120.1	66.3	51.1	168.3	-
30	24.0	43.3	32.8	67.2	29.3	-	233.5	136.2	55.1	56.2	163.6	-
31	22.6	-	40.1	55.3	-	-	234.5	-	49.0	60.8	-	-

Table D-7A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	25.4	30.6	13.4	19.1	30.3	58.6	45.2	115.7	42.2	107.8	27.3	47.5	21.2	42.0	24.2	29.8	147.1	149.3
2	24.3	30.3	12.9	19.0	29.8	-	42.6	103.1	54.7	90.7	30.7	-	19.6	47.3	24.3	30.1	150.0	-
3	25.0	28.4	14.6	19.5	29.8	-	45.1	95.1	56.6	73.3	34.3	-	18.4	50.9	23.7	34.2	146.0	-
4	27.1	26.9	16.2	19.9	30.8	-	54.2	97.0	58.8	64.7	38.1	-	18.6	51.0	20.0	32.5	158.8	-
5	28.2	29.6	15.4	20.0	32.1	-	61.0	99.1	62.2	57.6	46.0	-	22.2	50.4	20.7	31.5	199.6	-
6	28.1	31.5	14.9	20.1	32.4	-	61.5	97.4	67.7	52.5	53.9	-	24.4	47.6	21.1	30.6	231.1	-
7	27.4	31.6	14.6	21.7	38.0	-	61.8	89.0	72.7	48.1	58.8	-	26.0	46.4	21.2	30.2	259.2	-
8	23.1	31.6	14.4	22.8	41.8	-	66.8	76.8	77.5	46.6	65.1	-	26.5	46.5	21.0	30.7	304.5	-
9	20.4	31.4	14.5	21.6	41.1	-	76.1	71.7	82.3	39.1	72.4	-	26.8	45.8	20.2	31.5	344.4	-
10	19.3	31.1	16.4	21.6	34.7	-	80.9	67.2	99.3	34.2	79.2	-	27.9	43.3	19.3	33.1	300.6	-
11	18.8	30.7	18.6	25.3	30.4	-	85.2	63.1	112.9	30.0	83.6	-	30.1	42.4	18.4	36.1	271.0	-
12	18.4	30.2	20.3	29.3	27.8	-	89.6	59.1	128.3	26.7	86.7	-	30.9	42.6	21.9	38.2	266.9	-
13	18.1	29.8	21.3	33.1	25.7	-	94.0	52.6	143.3	24.4	89.7	-	30.9	43.2	25.5	38.8	272.8	-
14	17.9	25.7	20.0	37.0	25.6	-	104.3	53.0	130.9	22.7	82.7	-	30.8	43.0	28.3	40.2	262.4	-
15	21.8	23.2	18.3	41.2	26.9	-	122.3	56.0	112.6	24.3	84.3	-	31.1	43.5	29.8	45.8	240.3	-
16	25.5	21.3	17.2	45.0	27.8	-	142.0	55.5	103.3	24.8	97.8	-	31.2	49.3	24.3	55.3	216.1	-
17	28.5	20.6	16.5	42.1	30.7	-	161.2	54.5	97.8	19.8	94.9	-	34.2	54.0	20.7	65.8	196.5	-
18	29.0	16.6	18.2	39.0	34.3	-	154.0	49.4	118.0	19.3	90.3	-	36.0	57.6	18.5	77.0	180.8	-
19	28.8	13.5	20.0	37.2	38.5	-	152.8	44.9	131.7	19.5	93.4	-	36.9	61.4	17.1	89.1	148.7	-
20	29.8	11.6	21.1	36.3	42.6	-	156.9	41.0	139.1	18.5	95.7	-	35.5	62.9	16.3	115.7	130.5	-
21	32.4	10.5	21.7	36.4	47.8	-	167.8	32.7	149.3	17.2	96.9	-	35.0	65.6	15.4	118.7	115.6	-
22	34.2	10.0	21.8	36.6	53.4	-	191.3	31.5	144.4	16.6	84.4	-	34.2	68.1	17.4	125.7	111.6	-
23	34.4	9.7	21.5	36.9	60.0	-	186.8	31.0	134.6	18.9	78.4	-	33.4	68.6	19.1	137.8	111.9	-
24	34.2	9.8	20.9	36.8	66.9	-	179.3	28.8	130.9	20.3	68.5	-	33.1	58.8	20.2	149.6	105.3	-
25	33.5	9.9	20.6	36.2	73.8	-	166.2	27.1	131.1	20.1	56.7	-	31.1	51.5	21.4	166.7	98.7	-
26	32.7	9.9	20.3	35.4	81.9	-	154.3	26.1	150.5	22.0	50.0	-	29.6	45.4	21.9	187.0	95.5	-
27	32.0	9.9	20.2	29.1	88.1	-	142.1	25.1	167.2	24.0	44.9	-	29.2	41.0	21.8	205.4	94.4	-
28	31.6	11.9	20.1	24.9	84.7	-	132.5	28.7	148.6	24.2	48.9	-	29.8	33.5	21.9	221.6	96.0	-
29	30.5	14.3	19.4	25.1	73.0	-	126.5	32.4	143.4	22.6	49.9	-	34.5	27.8	21.8	196.3	118.6	-
30	26.2	13.9	18.7	29.4	65.5	-	122.6	34.1	159.0	22.8	49.4	-	37.9	24.4	26.3	173.5	135.4	-
31	28.2	-	17.9	30.8	-	-	118.9	-	138.3	24.6	-	-	40.0	-	29.1	154.0	-	-

Table D-7A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	85.7	10.9	21.0	24.7	25.1	17.1	259.2	143.1	87.7	30.5	33.8	95.4
2	78.6	10.2	21.9	28.1	22.0	-	239.2	130.3	89.9	29.8	35.8	-
3	73.2	9.7	22.4	31.3	19.5	-	216.9	120.6	87.9	29.3	38.0	-
4	70.5	9.2	22.9	34.5	17.8	-	210.2	104.9	85.7	29.0	45.7	-
5	68.6	8.8	23.5	37.2	16.5	-	219.9	100.7	84.0	28.4	51.2	-
6	67.8	8.3	24.1	39.1	13.3	-	211.1	118.2	67.5	23.8	53.5	-
7	66.8	7.9	25.0	39.5	11.4	-	183.6	116.2	65.8	21.4	55.8	-
8	65.1	7.5	31.1	38.3	10.4	-	192.1	109.5	67.7	19.4	57.8	-
9	63.5	7.1	37.9	36.2	9.8	-	189.0	117.8	65.2	17.9	60.5	-
10	61.9	6.8	44.8	34.9	9.5	-	174.4	117.6	65.3	16.9	63.8	-
11	58.6	6.6	50.8	34.6	9.6	-	162.6	108.7	57.9	16.3	67.1	-
12	52.5	6.3	55.4	35.1	10.0	-	172.5	120.0	46.4	15.8	73.2	-
13	48.7	6.1	57.9	35.4	10.3	-	163.0	119.6	42.0	14.2	80.1	-
14	46.8	5.9	59.6	35.6	10.4	-	152.2	108.8	43.9	11.3	86.6	-
15	45.1	5.8	61.1	36.3	10.4	-	149.5	98.1	51.5	8.9	93.2	-
16	43.3	6.2	56.8	37.4	10.3	-	149.2	100.9	53.8	7.5	96.6	-
17	41.7	6.9	51.1	37.1	10.2	-	151.3	95.3	55.8	8.5	99.2	-
18	34.9	7.3	49.7	38.1	10.4	-	157.7	85.0	56.9	9.3	90.7	-
19	30.3	9.1	39.9	38.6	8.9	-	163.5	75.8	57.5	11.0	96.1	-
20	27.0	10.9	33.5	45.2	8.1	-	172.5	69.5	57.8	12.6	100.6	-
21	21.7	12.6	29.4	51.0	7.8	-	178.1	66.5	56.4	13.6	100.3	-
22	18.7	15.6	23.7	55.5	7.3	-	176.4	76.6	46.5	15.3	102.9	-
23	16.0	18.5	19.6	62.9	8.1	-	166.3	83.4	44.8	16.3	104.7	-
24	13.9	17.1	16.6	68.3	9.6	-	165.4	86.1	44.9	16.6	106.7	-
25	14.9	17.0	13.5	60.8	10.3	-	145.2	72.5	49.5	16.9	108.1	-
26	15.1	17.5	13.2	53.3	11.0	-	157.6	67.7	55.3	17.8	108.2	-
27	14.9	17.9	14.3	48.5	11.9	-	157.1	64.0	59.2	19.5	106.4	-
28	14.5	18.3	15.5	45.4	12.8	-	139.8	59.6	60.7	21.9	101.0	-
29	13.8	18.9	16.5	44.4	14.0	-	138.1	69.5	48.3	25.5	99.4	-
30	12.8	20.0	16.9	35.9	15.5	-	140.1	79.7	39.0	28.6	97.0	-
31	11.8	-	20.6	29.0	-	-	141.9	-	33.0	31.3	-	-

Table D-7B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	28.5	42.7	13.7	20.4	34.4	67.5	52.2	141.0	58.4	126.5	31.2	62.9	23.1	51.8	28.2	35.4	175.6	170.9
2	27.2	41.4	13.6	20.4	33.9	-	49.3	123.3	74.1	103.1	35.2	-	21.4	57.7	28.2	36.0	186.9	-
3	28.7	39.0	15.1	20.8	33.8	-	53.2	120.4	75.3	82.7	39.6	-	20.2	57.9	26.1	37.5	186.0	-
4	30.9	38.2	16.2	21.2	34.5	-	62.7	123.9	76.9	71.1	45.3	-	23.0	58.7	23.3	36.5	197.2	-
5	32.3	41.0	15.8	21.4	36.0	-	71.1	127.5	79.7	62.9	54.8	-	27.1	58.5	23.2	35.2	244.0	-
6	32.3	43.7	15.3	21.6	38.4	-	74.1	125.8	86.2	56.9	64.4	-	30.0	55.8	23.7	34.1	295.8	-
7	30.1	44.5	14.9	23.0	45.2	-	75.2	112.2	92.9	52.1	71.1	-	32.0	53.9	23.9	33.5	333.7	-
8	25.7	44.5	14.7	24.4	49.8	-	83.4	95.0	99.2	48.8	78.7	-	33.1	53.7	23.8	33.9	384.5	-
9	22.4	44.3	14.7	23.5	49.3	-	97.1	87.0	108.2	40.9	87.4	-	33.6	52.2	23.1	34.9	431.8	-
10	20.8	43.9	16.5	23.5	42.1	-	105.1	81.4	131.1	35.8	95.4	-	35.2	49.2	22.1	36.7	382.0	-
11	20.1	43.4	18.7	27.2	37.0	-	111.0	76.5	149.3	31.6	100.6	-	38.0	47.8	21.2	39.6	345.1	-
12	19.7	42.7	20.3	31.5	33.8	-	116.7	71.9	169.0	28.2	104.3	-	39.4	48.1	25.1	41.9	347.2	-
13	19.5	36.1	21.1	35.6	31.4	-	122.4	65.9	168.9	25.8	101.4	-	39.5	48.6	29.1	42.9	355.5	-
14	22.6	31.8	19.5	39.8	32.3	-	146.7	65.8	153.2	25.6	94.5	-	39.4	48.3	32.3	44.8	320.6	-
15	27.4	28.8	18.0	44.2	34.0	-	174.1	69.2	132.7	27.1	105.5	-	39.8	48.6	32.8	54.3	288.3	-
16	31.9	26.5	16.9	48.1	36.0	-	200.5	69.6	120.0	27.7	123.7	-	41.1	54.6	27.3	66.7	260.2	-
17	35.4	25.4	16.3	45.6	39.9	-	226.2	68.2	114.2	22.4	123.7	-	44.6	60.1	23.1	79.6	236.3	-
18	36.2	20.6	17.8	42.5	44.6	-	213.2	62.6	135.7	20.7	117.1	-	46.9	64.5	20.4	93.9	217.1	-
19	36.1	16.7	19.6	40.1	50.2	-	209.8	56.6	157.4	21.1	118.9	-	47.9	68.7	18.7	109.8	181.3	-
20	36.8	14.0	20.9	38.8	56.0	-	213.8	51.0	167.8	20.3	123.3	-	46.5	71.4	17.5	138.1	156.5	-
21	39.3	12.3	21.7	38.6	63.2	-	227.5	41.1	178.9	18.8	122.6	-	45.5	74.3	16.9	147.9	139.2	-
22	42.2	11.4	21.9	38.8	71.1	-	240.4	39.2	174.9	18.4	107.5	-	44.5	77.4	18.7	155.6	138.5	-
23	43.4	11.1	21.6	39.2	80.2	-	228.8	38.5	164.1	20.9	99.4	-	43.4	76.2	20.8	169.5	139.3	-
24	43.2	11.1	21.1	39.3	89.3	-	220.1	36.5	157.4	22.6	80.8	-	41.3	66.1	22.3	184.5	131.7	-
25	42.4	11.2	20.7	39.0	98.1	-	200.9	34.1	157.2	24.6	66.8	-	39.0	57.5	23.7	205.3	123.7	-
26	41.4	11.3	20.5	34.5	107.7	-	187.8	32.7	177.9	27.1	58.9	-	36.9	50.5	24.3	229.8	119.1	-
27	40.5	11.4	22.5	28.5	115.2	-	173.0	31.5	198.4	29.5	59.4	-	36.3	45.6	24.4	251.6	117.5	-
28	40.0	13.7	22.3	24.7	98.8	-	161.1	36.2	175.8	28.0	64.1	-	36.8	37.3	24.5	242.1	123.7	-
29	37.6	14.6	21.6	27.9	84.1	-	153.7	41.0	179.2	26.2	65.9	-	41.7	31.0	27.2	213.7	150.8	-
30	36.7	14.2	20.7	33.0	75.5	-	149.1	47.4	180.2	26.2	65.2	-	45.9	27.4	32.7	187.5	172.5	-
31	39.5	-	19.9	34.5	-	-	145.0	-	158.8	28.1	-	-	48.6	-	34.4	166.6	-	-

Table D-7B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	91.8	11.6	22.8	23.3	27.7	17.0	306.0	192.7	116.7	32.3	38.7	118.3
2	84.4	10.8	23.6	26.7	24.1	-	284.3	174.4	120.9	31.1	41.3	-
3	79.4	10.1	24.1	30.0	21.2	-	262.1	150.7	119.2	30.5	47.0	-
4	76.4	9.6	24.6	33.3	19.2	-	267.7	129.2	116.2	30.1	57.4	-
5	74.0	9.1	25.2	36.1	17.3	-	281.8	121.4	113.6	29.5	65.6	-
6	72.3	8.6	25.9	38.3	14.0	-	271.6	140.4	92.2	25.2	69.4	-
7	71.0	8.1	27.4	39.1	11.9	-	237.0	143.1	86.3	22.3	72.4	-
8	68.9	7.7	33.6	38.2	10.8	-	242.7	136.2	86.9	20.1	75.0	-
9	67.0	7.3	41.1	36.3	10.2	-	243.6	147.0	83.7	18.5	78.3	-
10	65.3	7.1	48.8	34.9	9.9	-	223.8	142.8	83.2	17.5	82.6	-
11	61.6	6.8	55.5	34.7	10.1	-	213.1	139.2	70.3	16.9	86.9	-
12	55.2	6.6	60.2	35.1	10.5	-	221.3	153.3	56.4	16.4	94.6	-
13	51.3	6.3	62.6	35.5	10.8	-	211.1	156.6	50.1	13.5	103.3	-
14	49.5	6.2	64.2	35.6	10.9	-	198.1	132.4	57.2	10.9	111.5	-
15	47.7	6.0	65.6	36.5	10.9	-	209.9	126.3	61.1	8.7	105.1	-
16	46.0	6.6	59.7	37.5	10.8	-	217.4	128.6	63.5	8.4	108.4	-
17	44.3	7.2	54.2	37.7	10.7	-	219.6	122.3	66.0	9.2	111.3	-
18	37.2	8.3	48.2	38.6	10.3	-	226.9	110.7	67.6	10.2	112.1	-
19	32.1	10.2	39.4	41.5	9.0	-	235.1	98.4	68.5	11.8	119.3	-
20	27.5	12.4	32.5	48.6	8.0	-	246.3	89.2	68.9	13.7	124.1	-
21	22.1	14.5	28.0	55.6	7.6	-	255.7	91.3	62.4	15.0	126.4	-
22	18.6	17.8	22.8	61.5	7.2	-	245.1	103.8	52.1	16.9	130.7	-
23	15.8	20.0	18.5	69.4	8.3	-	228.0	114.2	48.8	18.2	133.1	-
24	14.6	18.9	15.5	76.3	9.6	-	225.7	117.8	48.6	18.8	135.7	-
25	15.7	18.5	12.7	68.1	10.4	-	205.9	99.4	52.4	19.0	137.2	-
26	15.8	19.1	12.4	60.0	11.0	-	222.6	89.4	58.8	20.0	137.2	-
27	15.5	19.5	13.4	54.7	11.9	-	218.9	84.4	63.1	22.0	132.3	-
28	15.1	20.0	14.5	51.7	12.8	-	193.4	78.9	64.7	25.1	125.8	-
29	14.4	20.7	15.3	50.5	14.0	-	187.5	92.5	51.6	29.0	123.3	-
30	13.4	21.8	15.7	40.6	15.5	-	189.7	106.2	41.7	32.5	120.4	-
31	12.4	-	19.1	32.3	-	-	191.8	-	35.5	35.7	-	-

Table D-8A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	21.3	22.9	9.6	11.0	23.4	47.2	36.5	102.8	33.4	92.9	19.5	41.2	17.8	31.9	19.6	22.7	114.3	129.9
2	21.5	24.0	9.4	11.0	23.1	-	34.6	95.7	42.1	76.6	22.0	-	17.4	34.6	19.7	23.2	125.5	-
3	20.9	23.1	10.0	11.1	23.1	-	34.7	85.1	49.1	60.7	24.8	-	16.3	37.5	19.5	24.6	125.8	-
4	21.9	22.0	11.1	11.3	23.4	-	39.4	86.9	50.6	52.5	27.8	-	15.9	39.0	16.5	24.1	127.5	-
5	22.9	22.9	11.0	11.5	24.5	-	45.4	89.6	51.9	46.2	34.3	-	18.5	39.0	16.2	23.2	154.6	-
6	23.4	24.5	10.7	11.5	24.7	-	47.4	86.8	55.8	41.6	39.8	-	20.4	37.1	16.6	22.5	186.5	-
7	22.4	24.9	10.4	12.1	28.9	-	49.2	79.1	60.2	38.6	44.9	-	21.8	35.7	16.8	22.0	212.5	-
8	19.3	24.9	10.3	12.9	33.0	-	53.4	66.5	64.4	35.6	49.8	-	22.7	35.3	16.8	22.0	245.5	-
9	16.7	24.7	10.2	12.8	34.3	-	62.5	59.9	70.5	29.6	55.5	-	23.0	35.5	16.4	22.4	277.5	-
10	15.3	24.3	10.9	12.7	31.2	-	68.3	55.9	85.9	25.9	60.8	-	23.1	33.5	15.8	23.7	253.1	-
11	14.8	23.9	12.1	13.9	27.5	-	72.5	52.3	98.5	22.8	64.6	-	24.8	32.2	15.1	27.4	226.5	-
12	14.5	23.6	13.2	16.2	25.1	-	76.4	49.3	111.4	20.3	66.3	-	26.1	32.0	16.3	29.5	215.7	-
13	14.3	22.8	13.8	18.2	23.5	-	80.3	47.4	117.4	18.8	67.2	-	26.4	32.2	18.8	30.6	223.1	-
14	14.6	20.2	13.5	20.2	23.2	-	87.6	45.8	110.0	17.8	63.9	-	26.6	34.0	20.1	31.3	213.1	-
15	16.9	18.0	12.8	22.2	24.2	-	103.7	48.4	95.0	18.3	62.2	-	26.5	34.0	20.8	35.2	194.3	-
16	19.5	16.4	12.0	24.2	25.4	-	117.1	49.2	84.6	18.9	73.0	-	26.9	39.2	17.8	42.3	175.7	-
17	21.9	15.5	11.4	24.5	28.3	-	131.8	48.2	79.6	15.1	79.1	-	28.0	43.7	15.0	50.5	159.7	-
18	22.8	13.7	11.5	23.0	31.5	-	140.3	44.2	95.7	12.9	74.9	-	29.7	47.1	13.2	58.0	146.8	-
19	22.1	11.4	12.2	21.8	35.5	-	139.9	40.1	110.6	13.2	75.6	-	30.5	50.3	12.4	67.8	125.6	-
20	22.4	9.5	13.0	21.0	39.7	-	141.6	36.4	117.5	12.8	78.6	-	29.8	52.3	11.6	85.4	108.9	-
21	23.9	8.3	13.6	20.8	44.6	-	149.2	28.5	125.9	11.9	79.3	-	28.4	54.3	11.0	93.9	96.0	-
22	25.7	7.7	13.5	20.8	50.3	-	174.0	26.8	124.4	11.3	70.1	-	27.7	56.5	11.8	99.3	92.5	-
23	26.7	7.7	13.0	20.9	56.6	-	168.0	26.3	117.0	12.7	63.5	-	27.0	56.5	13.0	107.8	93.9	-
24	26.8	7.7	12.5	20.9	63.1	-	161.6	25.2	111.2	14.0	57.2	-	27.2	48.8	14.1	118.2	90.5	-
25	26.4	7.9	12.1	21.0	68.2	-	145.6	23.5	110.3	14.5	46.4	-	26.6	42.4	14.9	130.8	85.4	-
26	25.8	8.0	11.8	20.6	73.9	-	136.3	22.3	118.2	16.0	42.1	-	25.2	37.1	15.5	147.1	82.1	-
27	25.2	8.1	11.8	18.4	74.3	-	125.5	21.4	133.8	17.2	38.1	-	24.5	33.2	15.6	160.7	79.0	-
28	24.8	8.8	12.3	17.1	69.6	-	116.3	22.4	133.1	18.8	40.9	-	24.4	29.4	15.9	164.0	80.9	-
29	23.4	9.9	12.0	17.4	58.4	-	110.2	25.8	116.3	17.5	42.8	-	25.8	24.2	16.9	153.8	101.2	-
30	21.7	9.9	11.6	20.7	52.5	-	106.5	28.0	124.7	17.0	42.4	-	29.0	21.3	18.9	137.7	116.3	-
31	22.3	-	11.2	22.9	-	-	104.0	-	114.2	17.9	-	-	31.3	-	21.6	122.8	-	-

Table D-8A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	72.7	9.5	15.4	14.3	19.6	9.3	255.1	130.1	69.0	21.6	23.8	80.9
2	67.4	8.8	15.6	16.4	17.2	-	238.8	126.0	73.5	20.8	25.6	-
3	64.8	8.3	15.9	18.4	15.2	-	203.7	114.1	73.4	20.3	27.6	-
4	61.9	7.9	16.3	20.4	13.7	-	199.2	99.7	70.0	20.0	33.9	-
5	60.0	7.2	16.7	22.3	12.4	-	210.2	93.7	68.4	19.6	39.4	-
6	60.3	6.8	17.1	24.2	10.0	-	203.8	102.2	58.2	17.5	42.5	-
7	59.1	6.4	17.6	25.6	8.4	-	174.7	108.1	51.6	15.2	44.7	-
8	57.1	6.1	20.7	25.6	7.4	-	172.4	103.6	51.4	13.6	46.8	-
9	55.3	5.8	25.1	24.8	6.8	-	173.8	111.4	49.4	12.4	49.0	-
10	53.6	5.6	29.7	23.7	6.5	-	159.5	113.2	48.6	11.5	51.4	-
11	50.9	5.4	34.1	23.1	6.5	-	148.6	92.2	48.8	11.1	53.9	-
12	45.6	5.2	37.4	23.2	6.5	-	156.9	102.3	38.9	10.9	57.4	-
13	41.9	5.1	39.3	22.9	6.6	-	147.2	106.5	33.6	10.0	62.9	-
14	40.0	5.0	40.6	23.2	6.5	-	138.5	102.4	34.3	8.0	68.2	-
15	39.2	4.8	41.0	24.3	6.4	-	129.8	89.5	39.9	6.4	73.7	-
16	37.8	4.8	40.8	24.9	6.4	-	134.2	88.9	41.5	5.2	75.5	-
17	36.1	5.2	37.7	25.1	6.3	-	137.4	84.8	43.3	5.5	77.8	-
18	33.0	5.4	35.6	25.3	6.2	-	142.8	77.2	44.3	6.1	73.6	-
19	28.3	6.6	29.9	26.4	5.5	-	147.9	69.0	44.8	7.0	78.0	-
20	23.6	7.9	24.6	30.9	4.8	-	154.7	62.3	45.2	8.2	81.2	-
21	19.0	9.2	20.9	35.6	4.5	-	160.1	59.1	43.9	9.0	84.0	-
22	16.1	10.8	17.9	39.8	4.3	-	159.1	66.7	36.5	10.2	85.4	-
23	13.6	13.2	14.4	44.1	4.3	-	147.9	73.8	32.7	11.0	87.3	-
24	11.6	12.9	12.1	48.6	5.0	-	146.8	77.9	32.1	12.0	89.2	-
25	12.0	12.1	10.3	48.7	5.6	-	134.3	65.9	32.4	12.3	90.7	-
26	12.5	12.4	8.9	43.4	5.9	-	145.7	58.7	35.9	12.8	91.3	-
27	12.3	12.7	9.2	39.2	6.5	-	150.4	55.1	39.1	13.7	89.6	-
28	12.1	13.0	9.8	36.0	7.0	-	131.7	51.1	41.2	15.2	84.5	-
29	11.7	13.5	10.3	34.2	7.6	-	125.2	54.6	36.6	17.7	82.9	-
30	11.1	14.7	10.1	29.3	8.4	-	126.7	62.8	29.4	20.0	81.4	-
31	10.4	-	11.6	23.1	-	-	128.2	-	24.5	22.1	-	-

Table D-8B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	26.4	32.7	12.3	13.0	27.5	48.9	42.8	131.1	46.5	110.6	21.2	47.1	20.2	35.8	21.5	23.5	146.2	145.2
2	25.8	33.2	12.1	13.0	27.5	-	40.9	118.2	58.2	89.5	23.8	-	19.0	39.1	21.4	24.2	159.7	-
3	26.1	32.0	12.8	13.0	27.6	-	42.6	113.7	61.9	71.9	26.8	-	17.8	40.2	20.8	25.2	164.4	-
4	27.4	30.6	14.0	13.2	28.1	-	49.0	115.2	62.9	60.1	30.0	-	18.5	41.3	18.1	25.2	168.6	-
5	28.4	31.3	14.3	13.3	29.3	-	56.6	118.2	64.5	53.3	36.4	-	21.2	41.8	17.2	24.3	203.6	-
6	28.5	31.8	14.0	13.4	29.7	-	61.2	115.8	67.5	48.1	41.8	-	23.0	40.8	17.4	23.6	251.9	-
7	28.5	32.1	13.7	14.1	34.3	-	64.8	104.4	72.2	45.0	47.5	-	24.5	39.2	17.6	23.0	288.1	-
8	25.3	32.2	13.5	14.6	39.2	-	71.8	89.6	76.7	41.8	52.7	-	25.7	38.3	17.7	22.8	332.1	-
9	21.9	31.4	13.7	14.6	40.8	-	83.1	80.6	81.8	35.0	58.3	-	26.2	38.2	17.4	23.4	355.5	-
10	20.2	30.8	14.5	14.5	36.5	-	91.5	75.1	99.0	30.5	64.0	-	26.4	36.5	16.8	24.8	321.9	-
11	19.5	30.0	16.0	16.2	31.9	-	97.2	70.2	113.8	26.8	68.2	-	27.9	35.1	16.8	28.0	287.8	-
12	19.3	29.9	17.1	18.8	28.8	-	101.9	66.3	127.4	23.8	71.0	-	28.9	35.3	18.5	30.2	278.6	-
13	19.1	28.7	17.6	21.4	26.9	-	107.3	57.7	135.2	21.7	72.9	-	29.2	34.9	21.3	31.5	286.5	-
14	19.7	24.9	17.3	23.7	26.9	-	127.8	55.3	126.8	20.3	69.1	-	29.7	35.5	23.6	32.5	259.9	-
15	23.1	22.2	16.2	26.0	28.2	-	152.8	57.9	110.6	21.0	74.5	-	29.7	36.4	24.7	38.4	231.3	-
16	26.9	20.4	15.2	27.6	29.9	-	176.3	59.1	98.4	21.5	86.9	-	29.8	41.3	21.2	47.2	210.0	-
17	30.0	19.3	14.8	27.6	32.9	-	197.9	58.1	92.8	17.7	93.3	-	31.5	46.2	17.9	56.2	191.0	-
18	30.9	16.6	15.0	26.3	36.7	-	197.8	53.8	108.5	15.3	90.4	-	33.1	50.3	15.6	66.2	176.0	-
19	30.2	13.6	16.1	24.9	41.0	-	196.0	49.0	127.5	15.0	89.3	-	33.0	53.8	14.2	77.4	148.9	-
20	30.2	11.3	17.1	24.2	45.2	-	197.9	44.6	137.7	14.7	92.4	-	31.5	56.4	13.2	96.9	126.8	-
21	31.4	9.8	17.7	24.1	50.4	-	207.5	36.0	145.2	13.8	93.2	-	30.3	58.4	12.7	111.8	113.5	-
22	33.6	9.3	17.2	24.0	56.3	-	224.9	33.4	144.4	13.2	84.3	-	29.6	60.1	13.2	119.5	108.9	-
23	35.3	9.3	16.3	24.1	63.0	-	214.1	32.6	137.2	14.5	76.5	-	28.7	59.6	14.4	129.4	110.5	-
24	35.8	9.5	15.5	24.1	69.5	-	206.1	31.4	130.1	16.0	64.8	-	28.4	52.7	15.5	142.3	106.8	-
25	35.2	9.7	15.0	24.2	76.1	-	188.6	29.5	127.8	17.4	52.7	-	27.8	45.9	16.3	157.5	100.6	-
26	34.5	9.5	14.6	23.5	83.2	-	177.2	28.0	139.0	19.2	46.1	-	26.5	40.6	16.9	176.6	96.3	-
27	34.6	10.1	14.1	20.4	83.4	-	163.5	27.9	150.9	20.7	43.3	-	25.7	37.0	16.7	196.2	94.2	-
28	33.6	11.4	14.2	19.0	72.6	-	151.9	30.7	142.2	20.6	46.2	-	25.5	31.4	16.6	201.9	98.1	-
29	31.8	12.8	13.9	20.9	60.8	-	144.6	35.1	136.6	19.3	48.7	-	28.1	25.8	17.5	185.0	119.6	-
30	29.6	12.7	13.4	24.7	54.5	-	139.9	38.2	145.3	18.7	48.5	-	31.5	22.2	20.3	166.0	137.2	-
31	30.7	-	13.0	26.6	-	-	136.4	-	133.2	19.3	-	-	34.0	-	22.4	149.0	-	-

Table D-8B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	80.7	9.9	16.4	15.1	19.4	10.5	272.8	173.8	90.6	25.1	26.3	94.8
2	74.2	9.4	16.5	17.5	16.8	-	254.3	160.2	96.7	23.4	27.8	-
3	70.1	8.9	16.7	19.7	15.0	-	230.8	141.5	98.0	23.0	30.6	-
4	67.3	8.4	17.0	21.7	13.6	-	226.6	121.0	96.8	22.6	36.7	-
5	65.2	7.9	17.5	23.6	12.3	-	238.3	110.2	94.5	22.2	43.0	-
6	63.7	7.5	17.9	25.9	10.3	-	237.0	122.2	79.5	19.6	47.1	-
7	62.5	7.1	18.3	27.2	8.6	-	206.6	128.7	71.4	16.9	50.1	-
8	60.2	6.8	20.7	27.6	7.6	-	205.1	124.8	70.1	15.1	52.5	-
9	58.8	6.5	24.7	26.9	7.0	-	208.9	129.7	68.3	13.8	55.1	-
10	57.1	6.2	28.8	25.9	6.7	-	195.1	130.4	66.9	12.9	58.1	-
11	53.5	6.1	32.6	25.3	6.6	-	183.6	120.3	60.0	12.3	61.1	-
12	49.0	5.9	35.8	25.3	6.8	-	190.1	132.0	48.2	11.7	65.9	-
13	45.2	5.7	37.3	25.6	6.9	-	182.8	139.6	41.9	10.4	71.9	-
14	43.0	5.6	38.1	25.9	6.9	-	172.4	121.0	43.5	8.4	77.3	-
15	41.6	5.4	38.5	26.7	6.8	-	180.5	104.3	50.0	6.8	80.4	-
16	40.3	5.6	37.2	27.5	6.7	-	190.6	104.4	52.1	5.8	82.8	-
17	38.7	5.9	34.5	28.0	6.6	-	192.6	100.2	54.3	6.0	85.8	-
18	34.2	6.2	32.4	28.5	6.5	-	198.5	92.1	56.1	6.6	85.6	-
19	29.5	7.3	27.5	29.7	5.9	-	205.8	82.5	57.1	7.4	91.0	-
20	25.4	8.7	22.8	33.9	5.2	-	214.4	74.4	57.6	8.6	94.2	-
21	20.8	10.0	19.3	38.7	4.8	-	222.3	72.1	54.9	9.5	97.5	-
22	17.5	11.8	16.3	43.3	4.6	-	219.6	79.1	47.8	10.9	100.8	-
23	14.9	14.1	13.1	47.5	4.9	-	204.5	87.5	42.6	12.1	103.1	-
24	13.1	14.1	11.0	51.6	5.8	-	199.4	92.6	41.2	13.1	105.2	-
25	13.2	13.4	9.5	50.1	6.4	-	182.7	81.4	41.3	13.5	106.9	-
26	13.3	13.7	8.6	44.7	6.8	-	191.9	71.4	45.1	14.0	107.5	-
27	12.9	14.0	8.8	40.2	7.4	-	201.4	66.8	48.9	15.1	105.6	-
28	12.7	14.3	9.4	37.1	8.0	-	180.7	63.5	50.1	16.9	100.3	-
29	12.2	14.9	10.0	35.5	8.7	-	170.4	70.8	42.0	19.5	98.0	-
30	11.5	15.6	10.3	29.2	9.6	-	171.7	81.2	34.0	22.0	96.2	-
31	10.7	-	12.3	23.0	-	-	174.0	-	28.4	24.2	-	-

Table D-9A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	10.5	8.7	3.4	3.4	9.1	20.2	19.9	69.8	16.2	51.6	7.0	20.5	7.7	11.4	8.5	6.2	64.8	81.5
2	10.4	9.1	3.4	3.3	9.5	-	19.0	65.2	19.7	42.1	7.8	-	7.3	12.1	8.0	6.6	68.5	-
3	10.4	9.4	3.4	3.3	9.7	-	18.8	62.1	23.5	34.2	8.8	-	6.9	12.7	7.8	6.8	74.4	-
4	10.3	9.2	3.6	3.3	10.0	-	19.6	61.6	23.8	27.6	10.0	-	6.7	13.8	7.2	7.1	76.7	-
5	10.6	8.9	3.9	3.3	10.3	-	22.9	62.8	24.4	23.9	12.1	-	6.9	14.4	6.2	6.9	86.2	-
6	10.8	9.0	4.0	3.3	10.8	-	25.8	64.7	24.6	21.2	14.6	-	7.4	14.6	6.0	6.7	109.1	-
7	10.5	8.9	4.0	3.3	11.5	-	27.3	60.2	25.7	19.1	16.9	-	7.9	14.2	6.1	6.5	127.1	-
8	10.2	8.9	3.9	3.4	13.1	-	30.1	52.4	27.4	17.8	19.3	-	8.3	13.8	6.1	6.4	147.7	-
9	8.9	8.8	3.9	3.5	14.8	-	34.5	45.1	29.2	14.8	21.7	-	8.6	13.4	6.1	6.4	170.5	-
10	7.8	8.6	4.0	3.5	15.6	-	39.4	40.6	35.2	12.3	24.2	-	8.8	13.3	6.0	6.7	176.7	-
11	7.2	8.5	4.2	3.6	14.3	-	43.1	37.6	42.2	10.7	26.4	-	8.8	12.8	5.8	7.4	158.7	-
12	6.9	8.3	4.5	4.1	12.7	-	45.9	34.9	48.4	9.4	28.1	-	9.2	12.4	5.8	8.9	144.3	-
13	6.7	8.1	4.6	4.8	11.6	-	48.5	32.6	53.1	8.3	28.9	-	9.5	12.2	6.1	10.1	143.5	-
14	6.8	8.1	4.6	5.5	11.3	-	52.8	27.8	54.8	7.7	29.7	-	9.6	12.3	6.7	10.8	139.4	-
15	6.9	7.4	4.5	6.0	11.2	-	65.8	27.4	50.9	7.2	29.5	-	9.6	12.6	7.2	11.8	121.7	-
16	7.5	6.7	4.4	6.5	11.9	-	77.2	28.5	44.2	7.2	33.8	-	9.5	13.5	7.2	14.5	111.1	-
17	8.5	6.2	4.1	6.7	12.8	-	88.8	28.7	40.0	6.7	38.9	-	9.5	15.7	6.1	17.2	100.6	-
18	9.0	5.9	4.0	6.8	14.4	-	97.6	27.4	40.8	5.5	40.2	-	9.7	17.7	5.3	20.5	92.1	-
19	8.8	5.1	4.0	6.6	16.0	-	102.3	24.9	48.5	5.0	39.0	-	10.0	19.4	4.6	24.2	82.2	-
20	8.4	4.2	4.2	6.4	17.9	-	104.1	22.5	54.9	4.9	39.6	-	9.6	20.7	4.2	29.3	68.3	-
21	8.4	3.6	4.4	6.3	19.9	-	107.3	17.5	58.4	4.7	40.7	-	9.3	21.7	4.0	37.4	59.5	-
22	8.8	3.1	4.4	6.3	22.3	-	128.6	15.4	60.3	4.4	40.7	-	9.0	22.4	3.8	42.6	54.5	-
23	9.3	3.0	4.2	6.3	24.9	-	121.3	14.6	58.6	4.3	36.9	-	8.8	22.3	4.0	47.1	54.2	-
24	9.7	3.0	4.0	6.3	27.5	-	117.0	14.2	55.6	4.7	33.6	-	8.8	21.4	4.2	52.3	54.4	-
25	9.9	3.1	3.8	6.3	30.1	-	104.6	13.4	53.3	5.1	26.7	-	8.9	18.4	4.5	58.5	52.3	-
26	9.8	3.1	3.6	6.1	32.9	-	98.7	12.6	52.8	5.9	22.0	-	9.1	16.2	4.7	65.8	49.8	-
27	9.6	3.1	3.6	6.0	34.7	-	91.3	12.0	56.8	6.6	19.5	-	8.9	14.5	4.7	74.4	48.1	-
28	9.5	3.2	3.5	5.8	32.1	-	84.2	11.9	60.4	7.1	18.7	-	8.6	13.3	4.6	79.8	48.4	-
29	9.1	3.3	3.5	6.1	26.1	-	78.6	13.0	57.4	7.1	20.2	-	8.5	11.4	4.7	80.6	61.2	-
30	8.8	3.4	3.5	7.4	22.6	-	74.7	14.6	55.1	6.7	20.8	-	9.4	9.5	5.1	76.0	71.5	-
31	8.6	-	3.4	8.4	-	-	72.0	-	57.1	6.6	-	-	10.5	-	5.5	70.2	-	-

Table D-9A. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	40.5	3.9	5.3	4.0	7.2	2.8	187.7	98.5	32.6	10.2	8.8	43.0
2	36.9	3.6	5.5	4.8	6.1	-	179.8	97.8	35.8	9.0	9.5	-
3	34.6	3.4	5.5	5.5	5.3	-	164.0	88.9	37.8	8.5	10.2	-
4	33.1	3.2	5.7	6.1	4.7	-	151.0	75.9	38.2	8.2	11.7	-
5	31.8	3.0	5.8	6.7	4.3	-	156.8	66.1	37.9	8.0	14.1	-
6	30.9	2.9	5.9	7.3	3.8	-	161.5	64.8	35.5	7.7	16.2	-
7	30.1	2.7	6.1	8.0	3.2	-	138.0	74.3	29.1	6.5	17.9	-
8	29.1	2.6	6.2	8.6	2.7	-	123.7	73.9	27.6	5.7	19.2	-
9	28.0	2.4	7.0	8.9	2.4	-	126.1	73.0	27.1	5.0	20.5	-
10	27.1	2.3	8.0	8.9	2.2	-	122.4	74.6	26.2	4.6	21.8	-
11	25.5	2.2	9.1	8.7	2.1	-	114.2	62.7	25.6	4.2	23.1	-
12	23.8	2.2	10.0	8.6	2.0	-	116.8	64.5	21.5	4.0	24.7	-
13	22.0	2.1	10.8	8.6	2.0	-	113.8	70.7	17.4	3.7	26.5	-
14	20.6	2.1	11.2	8.6	1.9	-	107.8	73.8	15.8	3.2	28.8	-
15	19.6	2.0	11.5	9.1	1.8	-	100.5	62.5	16.3	2.6	31.0	-
16	18.9	2.0	11.5	9.3	1.8	-	108.5	56.3	18.3	2.1	32.2	-
17	18.2	2.0	11.5	9.5	1.8	-	109.3	52.5	19.4	1.9	33.9	-
18	17.4	2.0	11.0	9.7	1.8	-	112.4	48.7	20.2	2.0	34.7	-
19	15.4	2.1	10.5	9.9	1.7	-	116.9	44.1	20.9	2.1	37.3	-
20	13.2	2.4	9.0	10.6	1.5	-	121.3	39.4	21.2	2.4	39.2	-
21	11.0	2.8	7.6	11.9	1.4	-	127.0	36.8	20.7	2.8	41.1	-
22	9.0	3.2	6.5	13.5	1.3	-	127.3	36.0	19.5	3.1	41.6	-
23	7.6	3.9	5.2	14.8	1.3	-	119.2	38.7	17.3	3.7	42.9	-
24	6.4	4.5	4.2	16.1	1.4	-	113.9	41.4	15.8	4.1	44.2	-
25	5.7	4.5	3.6	16.3	1.6	-	107.3	39.5	15.1	4.5	45.3	-
26	5.5	4.5	3.2	16.1	1.8	-	105.8	34.4	15.0	4.8	46.2	-
27	5.1	4.6	2.9	14.7	2.0	-	113.3	31.4	15.7	5.1	46.5	-
28	4.9	4.7	2.9	13.4	2.1	-	109.8	29.2	16.5	5.6	45.6	-
29	4.7	4.9	3.0	12.4	2.4	-	99.8	27.4	16.5	6.3	44.1	-
30	4.5	5.1	3.1	11.5	2.6	-	96.9	29.2	14.4	7.2	43.5	-
31	4.2	-	3.2	8.8	-	-	97.4	-	11.9	8.0	-	-

Table D-9B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	11.6	9.8	3.5	3.3	9.1	19.6	20.3	76.4	18.6	60.3	6.8	22.3	7.6	11.4	9.4	6.0	69.3	82.4
2	11.6	10.2	3.4	3.2	9.6	-	19.4	71.9	22.7	50.5	7.4	-	7.2	12.1	8.8	6.4	71.9	-
3	11.5	10.4	3.4	3.2	10.0	-	19.0	66.6	26.9	41.2	8.4	-	6.8	12.9	8.5	6.7	78.7	-
4	11.5	10.2	3.5	3.2	10.3	-	20.4	65.7	27.8	33.0	9.5	-	6.5	13.7	7.7	6.9	83.3	-
5	11.7	10.0	3.8	3.1	10.6	-	23.5	66.7	28.5	27.9	11.5	-	6.8	14.4	6.8	6.8	94.7	-
6	11.8	9.8	3.9	3.1	11.0	-	26.7	68.0	28.8	24.6	13.9	-	7.3	14.7	6.4	6.6	119.4	-
7	11.7	9.7	3.9	3.2	11.8	-	29.0	64.7	29.6	22.4	16.1	-	7.7	14.6	6.3	6.4	141.1	-
8	11.3	9.7	3.9	3.3	13.4	-	32.0	56.8	31.4	20.8	18.4	-	8.2	14.2	6.3	6.3	164.6	-
9	10.0	9.6	3.9	3.3	15.1	-	36.6	48.8	33.7	17.3	20.6	-	8.5	13.8	6.3	6.3	185.0	-
10	8.7	9.5	4.1	3.3	15.7	-	41.9	43.6	40.4	14.4	23.0	-	8.7	13.6	6.2	6.6	185.6	-
11	8.0	9.3	4.2	3.4	14.3	-	46.2	40.3	48.6	12.5	25.2	-	8.8	13.2	6.1	7.6	167.2	-
12	7.6	9.1	4.5	4.0	12.7	-	49.3	37.5	55.7	10.9	26.9	-	9.1	12.8	6.1	8.9	152.1	-
13	7.4	9.0	4.6	4.6	11.5	-	52.1	34.4	60.9	9.7	28.0	-	9.3	12.7	6.5	10.0	150.6	-
14	7.4	8.6	4.6	5.3	11.1	-	57.6	30.2	61.9	8.8	28.4	-	9.4	12.7	7.2	10.7	144.7	-
15	7.8	7.7	4.5	5.8	11.1	-	70.8	30.3	56.2	8.4	28.4	-	9.4	13.1	7.8	11.8	127.1	-
16	8.8	6.9	4.3	6.3	11.7	-	83.2	31.4	49.0	8.4	32.4	-	9.4	14.7	7.3	14.4	115.6	-
17	9.9	6.4	4.1	6.5	12.6	-	95.5	31.8	44.2	7.3	37.5	-	9.4	17.0	6.3	17.1	105.0	-
18	10.5	6.0	4.0	6.6	14.1	-	104.9	30.4	47.8	6.0	40.4	-	9.7	19.2	5.4	20.4	96.0	-
19	10.2	5.2	4.0	6.6	15.8	-	109.3	27.8	56.2	5.2	40.1	-	9.9	21.3	4.7	24.1	83.7	-
20	9.7	4.4	4.1	6.4	17.6	-	112.1	25.1	65.1	5.0	40.2	-	9.5	22.9	4.3	29.8	68.9	-
21	9.6	3.7	4.2	6.4	19.5	-	114.9	19.8	70.1	4.8	41.2	-	9.2	24.2	4.0	38.4	60.3	-
22	9.8	3.2	4.3	6.3	21.8	-	132.5	16.8	72.1	4.6	41.1	-	8.9	25.1	3.9	44.8	55.5	-
23	10.2	3.0	4.1	6.3	24.4	-	131.8	15.7	70.7	4.4	37.6	-	8.6	25.0	3.9	50.2	55.3	-
24	10.7	3.0	3.9	6.3	27.1	-	126.9	15.1	67.5	4.8	34.3	-	8.6	23.6	4.2	55.9	55.5	-
25	10.9	3.0	3.8	6.4	29.8	-	115.4	14.4	64.6	5.2	27.5	-	8.8	20.6	4.4	62.5	53.3	-
26	10.9	3.0	3.6	6.3	32.7	-	107.9	13.6	63.9	6.0	22.7	-	9.0	18.1	4.5	70.4	50.7	-
27	10.7	3.1	3.5	6.0	33.9	-	100.1	13.0	68.8	6.7	20.1	-	8.8	16.4	4.6	79.5	49.0	-
28	10.6	3.2	3.5	5.7	31.4	-	92.3	12.9	73.0	7.2	20.3	-	8.6	15.0	4.5	86.0	49.8	-
29	10.1	3.4	3.5	6.0	25.8	-	86.2	14.3	68.1	7.1	21.7	-	8.5	12.6	4.6	86.0	61.4	-
30	9.7	3.5	3.5	7.1	22.0	-	82.0	16.1	67.7	6.7	22.6	-	9.4	10.6	4.9	80.6	72.2	-
31	9.5	-	3.4	8.3	-	-	79.1	-	66.7	6.5	-	-	10.5	-	5.5	74.5	-	-

Table D-9B. Scenario 1 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17) ***(continued)***

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	40.0	3.8	4.9	4.3	6.9	3.0	194.7	106.9	36.1	10.8	8.8	46.6
2	36.4	3.5	5.0	5.2	5.7	-	183.8	105.4	39.7	9.5	9.4	-
3	33.9	3.3	5.1	6.0	5.0	-	159.2	95.7	42.3	8.8	10.3	-
4	32.3	3.1	5.2	6.7	4.5	-	146.2	82.3	43.3	8.5	11.7	-
5	30.9	2.9	5.4	7.3	4.0	-	150.3	71.2	43.3	8.3	14.0	-
6	30.0	2.7	5.5	7.9	3.6	-	154.9	69.2	40.0	7.9	16.3	-
7	29.2	2.6	5.7	8.5	3.0	-	137.9	77.1	33.4	6.7	18.2	-
8	28.3	2.4	6.0	9.2	2.6	-	125.0	78.1	31.0	5.8	19.5	-
9	27.4	2.3	6.6	9.6	2.3	-	125.4	77.1	30.2	5.2	20.8	-
10	26.5	2.2	7.5	9.6	2.1	-	123.4	78.2	29.3	4.7	22.1	-
11	25.1	2.1	8.4	9.4	2.0	-	115.2	67.0	28.6	4.4	23.4	-
12	23.5	2.0	9.4	9.3	1.9	-	117.7	67.7	23.9	4.1	25.1	-
13	21.8	2.0	10.1	9.3	1.9	-	118.5	74.0	19.5	3.8	27.1	-
14	20.4	1.9	10.5	9.3	1.9	-	112.4	76.8	17.6	3.2	29.5	-
15	19.4	1.9	10.7	9.7	1.9	-	106.0	66.4	18.6	2.6	31.6	-
16	18.6	1.9	10.7	10.0	1.8	-	112.6	60.9	20.4	2.1	32.9	-
17	17.9	1.9	10.6	10.2	1.8	-	113.7	57.0	21.5	2.0	34.6	-
18	17.0	1.9	10.1	10.5	1.8	-	116.3	52.8	22.6	2.0	35.9	-
19	15.0	2.0	9.5	10.8	1.7	-	120.7	48.0	23.4	2.1	38.5	-
20	12.9	2.2	8.3	11.5	1.6	-	125.2	43.1	24.0	2.4	41.0	-
21	10.7	2.5	7.1	12.7	1.4	-	130.7	40.1	23.5	2.7	43.9	-
22	8.7	2.9	6.1	14.2	1.3	-	132.3	39.2	22.3	3.0	45.7	-
23	7.3	3.5	4.9	15.6	1.3	-	126.2	41.4	20.1	3.6	47.0	-
24	6.2	4.1	4.0	16.9	1.5	-	119.6	44.0	18.1	4.0	48.4	-
25	5.5	4.2	3.4	17.2	1.7	-	113.3	41.3	17.2	4.4	49.6	-
26	5.2	4.2	3.1	16.6	1.9	-	115.0	36.1	17.0	4.7	50.5	-
27	4.9	4.2	2.9	15.1	2.1	-	122.5	32.5	17.8	5.0	50.6	-
28	4.7	4.4	2.9	13.8	2.3	-	119.6	30.3	18.7	5.5	49.4	-
29	4.5	4.5	3.0	12.7	2.5	-	109.2	29.3	18.3	6.2	47.8	-
30	4.3	4.7	3.1	11.1	2.7	-	105.4	32.2	15.5	7.1	47.0	-
31	4.1	-	3.4	8.6	-	-	106.0	-	12.8	8.0	-	-

Appendix E. Rolling 30-Day Geomean Values Using Noon Values and Daily Average Values – Scenario 2

Table E-1A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	47.2	57.9	34.1	44.4	65.5	65.2	52.1	59.8	54.6	50.9	56.5	52.0	37.2	54.8	41.8	47.3	99.2	85.4
2	47.2	57.5	34.2	44.9	66.7	-	52.0	59.6	59.9	49.8	58.2	-	37.2	54.9	41.7	48.2	100.3	-
3	47.4	57.6	34.4	44.8	67.8	-	52.2	61.8	54.2	48.1	59.6	-	37.1	48.1	41.0	49.2	99.1	-
4	47.4	57.5	34.5	44.9	67.9	-	56.8	61.9	56.1	46.8	61.3	-	43.0	49.3	40.0	49.2	102.1	-
5	47.3	57.5	34.5	45.2	63.7	-	56.9	61.9	57.6	46.0	63.9	-	43.0	45.2	39.8	48.9	124.2	-
6	47.3	57.5	34.5	48.3	75.4	-	56.9	61.8	58.6	45.6	66.5	-	47.5	45.6	40.0	49.1	129.3	-
7	44.7	57.4	34.4	49.0	73.3	-	56.9	61.8	59.1	45.5	68.7	-	47.5	45.8	39.8	49.5	133.8	-
8	44.1	57.4	34.4	50.8	70.9	-	57.0	61.8	59.1	44.4	70.3	-	47.5	45.9	39.6	49.7	138.7	-
9	44.0	57.4	34.4	51.9	68.7	-	57.0	61.7	60.5	42.9	71.1	-	47.5	45.5	39.6	50.0	140.4	-
10	43.9	57.4	35.1	54.0	66.2	-	57.0	61.7	62.7	41.6	71.4	-	48.0	45.6	39.4	51.4	126.7	-
11	43.8	57.4	35.1	56.2	63.9	-	57.1	61.6	64.6	40.8	71.5	-	48.0	45.8	39.2	58.1	124.8	-
12	43.8	57.4	35.1	58.4	61.9	-	57.1	61.5	66.0	40.3	71.6	-	48.1	45.8	39.6	60.4	128.0	-
13	43.7	49.0	35.0	60.5	60.3	-	57.2	61.3	59.8	40.2	67.1	-	48.1	45.7	39.6	62.3	126.4	-
14	51.2	44.8	34.9	62.2	62.9	-	63.9	63.2	56.1	42.9	67.1	-	48.1	45.7	39.6	64.5	110.8	-
15	55.9	44.7	34.9	63.3	63.3	-	66.4	65.4	52.6	42.8	72.4	-	48.1	46.5	38.9	74.5	105.7	-
16	55.8	44.7	34.9	63.8	65.4	-	68.5	65.1	52.0	42.2	73.2	-	48.1	47.8	37.7	78.2	101.6	-
17	55.8	44.7	34.8	63.5	67.9	-	69.6	63.9	52.8	39.9	72.1	-	48.2	48.6	37.1	81.5	98.4	-
18	55.7	41.3	34.9	63.5	70.2	-	69.3	62.4	55.8	40.2	72.1	-	48.2	48.6	37.1	84.5	95.4	-
19	54.1	39.7	34.8	63.7	71.9	-	71.1	61.2	56.2	39.6	72.2	-	48.2	48.6	37.0	87.3	87.6	-
20	56.1	39.7	34.8	63.9	75.9	-	72.4	59.3	57.0	39.2	72.3	-	48.2	48.7	37.0	95.3	83.8	-
21	56.1	39.7	34.7	64.2	78.1	-	73.7	56.0	56.5	39.2	72.3	-	48.2	48.7	36.9	99.7	80.5	-
22	56.0	39.6	34.7	63.8	80.3	-	70.6	55.5	55.3	39.1	72.3	-	48.2	48.8	37.0	104.1	86.9	-
23	56.0	39.6	34.9	63.0	81.8	-	68.5	54.6	55.3	39.1	71.0	-	48.1	47.9	36.9	105.2	84.9	-
24	55.9	39.5	35.3	62.5	83.0	-	66.7	54.1	55.3	39.9	59.5	-	49.1	46.3	37.8	107.9	83.3	-
25	55.8	39.5	35.6	62.5	84.1	-	63.2	54.0	55.3	47.5	57.1	-	49.6	44.8	37.9	110.2	82.5	-
26	55.8	39.5	35.6	55.2	84.8	-	61.4	53.9	55.4	49.5	55.3	-	51.2	44.0	37.9	111.6	82.4	-
27	55.8	39.5	40.3	53.7	84.3	-	60.2	53.8	55.4	51.2	54.0	-	52.0	43.8	37.9	112.1	82.4	-
28	55.8	39.9	41.2	54.0	73.9	-	59.9	54.1	55.1	51.3	54.4	-	52.3	41.2	37.9	99.8	84.8	-
29	49.8	35.2	42.0	61.2	70.0	-	59.9	54.1	56.4	52.5	54.1	-	53.3	40.4	42.6	92.6	92.5	-
30	56.2	34.1	42.6	64.5	67.1	-	59.9	54.1	56.4	53.5	53.3	-	54.3	40.0	46.1	86.8	96.4	-
31	57.9	-	42.8	64.8	-	-	59.8	-	55.9	54.7	-	-	54.8	-	47.0	86.3	-	-

Table E-1A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	59.1	37.3	42.1	51.7	41.9	56.1	85.7	57.2	50.6	41.1	56.3	74.5
2	57.6	37.2	42.1	53.9	40.8	-	85.6	57.1	50.6	41.0	56.4	-
3	56.8	37.1	42.1	55.5	40.1	-	78.2	57.0	50.6	41.0	63.6	-
4	56.5	37.0	42.2	56.4	39.8	-	75.9	56.9	50.5	41.0	63.6	-
5	56.4	37.0	42.2	56.8	39.4	-	74.5	56.8	50.5	41.0	63.3	-
6	56.3	36.9	42.2	57.4	38.8	-	72.5	66.2	43.4	40.2	63.2	-
7	56.2	36.9	42.2	58.1	38.3	-	68.4	59.6	44.2	39.3	63.2	-
8	56.1	36.8	42.5	59.2	38.4	-	72.8	59.5	45.4	38.8	63.3	-
9	56.0	36.8	42.5	59.6	38.5	-	70.1	59.5	45.9	38.8	63.4	-
10	55.9	36.8	42.6	59.6	38.5	-	67.8	58.4	45.9	38.7	63.5	-
11	54.2	36.7	42.8	59.4	38.7	-	66.7	61.2	40.9	38.7	63.7	-
12	53.1	36.6	43.1	59.0	39.1	-	67.6	60.8	40.5	38.7	64.1	-
13	53.0	36.6	43.4	59.0	39.3	-	65.4	60.8	40.5	36.1	64.6	-
14	53.0	36.5	43.5	59.1	39.1	-	63.3	55.1	43.3	35.7	65.1	-
15	52.9	36.5	43.5	59.7	39.1	-	67.9	54.1	43.7	35.3	65.6	-
16	52.8	36.6	43.3	58.4	39.5	-	67.8	52.5	44.1	35.2	69.0	-
17	52.7	36.6	44.8	58.3	39.5	-	68.9	50.5	44.2	35.6	68.9	-
18	52.5	36.6	44.9	58.4	39.7	-	70.5	48.9	44.2	36.5	74.8	-
19	52.4	37.2	44.2	58.5	39.9	-	72.0	47.9	44.2	37.5	75.9	-
20	45.8	37.9	43.4	58.9	40.4	-	73.4	47.6	44.2	38.5	77.0	-
21	42.9	38.2	43.0	59.1	41.1	-	73.7	47.6	44.2	39.4	79.1	-
22	41.2	40.6	40.4	59.3	41.7	-	65.7	47.6	44.1	42.8	81.3	-
23	39.9	42.5	38.5	59.7	46.0	-	65.7	47.5	44.3	44.8	81.6	-
24	39.2	39.9	37.0	60.7	46.7	-	65.7	47.4	44.3	46.3	81.4	-
25	42.9	41.2	35.8	54.9	47.6	-	65.7	47.1	44.6	48.1	80.9	-
26	39.2	41.6	40.0	55.3	48.8	-	66.0	47.0	44.6	49.8	79.7	-
27	38.1	41.9	40.3	55.3	50.5	-	57.2	47.0	44.6	51.4	76.6	-
28	37.7	42.0	40.9	55.3	51.9	-	57.1	46.9	44.6	54.0	75.9	-
29	37.6	42.0	40.9	54.1	53.3	-	57.1	50.7	41.2	54.9	75.1	-
30	37.5	42.0	41.7	46.1	54.8	-	57.1	50.6	41.1	55.6	74.6	-
31	37.3	-	49.0	43.7	-	-	57.2	-	41.1	56.1	-	-

Table E-1B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	51.6	72.9	45.3	54.5	69.0	64.4	59.2	75.7	77.5	73.4	57.4	60.2	47.8	66.1	52.7	66.8	109.5	87.6
2	51.5	69.1	48.4	57.5	70.3	-	61.1	70.3	88.9	65.0	59.1	-	47.6	66.2	52.6	70.9	105.4	-
3	54.2	69.1	49.0	57.3	71.5	-	65.7	70.2	89.7	61.7	60.5	-	47.6	64.8	46.8	68.4	104.2	-
4	54.2	72.4	46.9	57.4	71.6	-	73.7	70.3	94.1	60.0	64.0	-	54.5	66.6	49.1	67.8	111.8	-
5	54.1	72.8	46.6	57.8	69.9	-	73.7	70.3	96.6	59.0	68.3	-	55.0	62.9	49.4	67.3	130.9	-
6	54.1	72.7	46.5	59.3	78.3	-	73.8	70.1	98.3	58.4	70.6	-	56.6	63.3	49.7	67.6	137.8	-
7	49.1	72.9	46.3	60.3	78.0	-	74.0	65.1	99.2	58.4	72.9	-	56.4	63.6	49.5	68.1	142.7	-
8	46.3	72.9	46.3	60.0	75.4	-	79.7	64.8	100.0	53.2	74.7	-	56.4	63.6	49.4	68.4	149.3	-
9	46.3	72.9	48.2	59.7	67.1	-	80.1	64.7	109.7	51.3	75.6	-	56.4	60.7	49.1	68.9	140.6	-
10	46.2	72.9	50.5	67.7	64.3	-	80.2	64.7	113.8	49.8	75.8	-	59.4	60.9	48.8	68.9	121.5	-
11	46.1	72.9	50.5	71.0	62.0	-	80.2	64.6	117.3	48.7	75.9	-	59.5	61.2	53.7	75.8	119.1	-
12	46.0	72.9	50.5	73.7	60.1	-	80.2	64.5	119.8	48.2	76.0	-	59.5	61.1	58.2	79.1	121.7	-
13	46.0	65.8	48.5	76.3	58.5	-	80.3	64.2	111.4	48.0	74.3	-	59.5	61.1	58.3	81.6	120.3	-
14	52.8	62.9	48.3	78.5	61.6	-	87.7	68.4	100.7	49.2	74.4	-	59.5	61.1	58.2	84.4	109.3	-
15	55.2	62.8	48.3	79.8	61.9	-	91.5	69.0	96.9	49.1	80.7	-	59.6	65.8	52.4	94.0	103.8	-
16	55.2	62.8	48.2	75.7	65.3	-	94.4	68.7	95.9	48.4	81.7	-	61.5	67.8	50.8	99.3	99.8	-
17	54.6	53.4	51.2	72.9	67.8	-	88.7	66.8	97.2	43.4	78.3	-	61.5	68.9	49.9	103.5	96.5	-
18	62.3	47.4	53.0	73.0	70.1	-	84.2	65.1	108.4	45.0	78.3	-	61.5	68.9	49.8	107.2	93.6	-
19	61.9	43.8	53.0	73.1	71.8	-	86.5	63.8	109.3	44.4	78.4	-	61.5	69.0	49.8	110.9	84.2	-
20	66.5	43.8	52.9	73.4	74.5	-	88.1	61.0	110.7	43.8	78.5	-	61.5	69.0	49.7	116.3	79.9	-
21	66.5	43.7	52.8	73.7	76.7	-	91.1	55.3	109.8	43.8	74.5	-	61.5	69.1	52.8	119.5	78.8	-
22	66.4	43.6	52.8	73.3	78.9	-	94.0	54.9	107.4	46.1	74.5	-	61.5	69.2	54.2	124.7	81.2	-
23	66.4	43.6	53.0	72.4	80.4	-	91.3	53.9	107.4	46.1	72.5	-	61.5	66.2	54.2	128.1	79.4	-
24	66.3	43.6	53.7	71.8	81.6	-	87.2	53.0	107.3	47.5	64.1	-	56.0	63.7	54.6	131.5	77.9	-
25	66.3	43.6	54.1	71.8	82.6	-	82.8	52.8	107.4	51.0	61.1	-	53.7	61.6	54.7	134.3	77.1	-
26	66.2	43.5	54.1	63.6	83.7	-	80.4	52.7	113.0	53.5	59.2	-	55.4	60.5	54.7	136.0	77.1	-
27	66.3	50.1	52.9	61.8	83.1	-	78.9	53.6	111.2	55.3	62.5	-	56.4	59.8	54.7	136.6	77.1	-
28	66.4	52.9	51.8	62.1	73.8	-	78.4	58.0	102.6	51.9	63.4	-	56.8	53.8	54.7	123.7	80.2	-
29	62.7	48.3	52.8	69.6	69.2	-	78.4	58.0	112.1	53.1	62.9	-	60.5	52.5	60.5	115.2	89.9	-
30	68.5	45.3	53.6	74.0	66.3	-	78.3	67.0	97.2	54.1	61.8	-	61.9	52.0	65.1	105.4	93.8	-
31	72.9	-	53.8	71.5	-	-	78.3	-	84.1	55.6	-	-	62.4	-	66.4	104.8	-	-

Table E-1B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	65.7	42.8	60.5	67.6	50.8	60.5	94.8	82.4	80.9	53.7	72.2	82.5
2	64.0	42.7	60.5	70.4	49.3	-	88.9	78.3	80.9	53.7	72.1	-
3	63.0	42.7	60.6	72.5	48.5	-	84.3	71.7	80.8	53.8	78.7	-
4	62.7	42.6	60.6	73.8	48.2	-	89.2	71.5	80.8	53.8	78.8	-
5	62.6	42.5	60.6	74.3	43.8	-	87.6	70.4	80.7	53.8	78.5	-
6	62.5	42.4	60.6	73.0	43.0	-	85.0	79.7	71.3	51.0	78.3	-
7	62.4	42.4	67.9	69.2	42.5	-	78.3	74.8	73.9	49.8	78.4	-
8	62.3	42.3	73.2	68.6	42.6	-	81.5	78.2	72.5	49.2	78.5	-
9	62.2	42.3	75.4	69.0	42.7	-	78.5	78.1	73.3	49.1	78.6	-
10	62.0	42.3	75.6	69.1	43.8	-	76.0	69.8	73.2	49.1	78.8	-
11	59.1	42.2	75.8	68.8	45.4	-	79.3	73.8	63.3	49.0	79.0	-
12	58.6	42.1	76.3	68.3	45.7	-	81.2	75.7	60.8	48.7	80.7	-
13	58.5	42.0	77.0	68.4	46.0	-	77.9	75.6	61.0	43.9	81.3	-
14	58.4	42.0	77.1	68.5	45.8	-	75.1	68.8	67.5	39.7	81.9	-
15	58.3	44.1	73.3	69.2	45.7	-	80.4	71.8	69.8	38.8	80.0	-
16	58.2	44.9	71.9	69.4	46.3	-	80.5	69.3	71.3	42.5	85.5	-
17	53.7	45.0	72.4	69.3	46.3	-	82.2	66.5	71.5	43.5	82.3	-
18	51.6	52.4	62.3	69.3	43.3	-	84.3	64.4	71.5	46.2	84.6	-
19	51.5	56.1	58.2	74.5	43.3	-	86.2	63.1	71.5	49.9	87.0	-
20	47.8	56.7	57.7	75.5	43.9	-	87.8	62.7	71.5	51.1	86.4	-
21	43.3	57.2	57.1	75.7	43.7	-	88.2	69.2	64.7	54.0	87.9	-
22	41.6	63.4	51.5	77.5	44.2	-	84.4	70.4	64.1	58.2	89.7	-
23	40.2	59.0	49.0	78.2	49.1	-	84.5	70.3	66.0	60.9	90.1	-
24	44.5	54.4	47.1	79.5	50.3	-	84.5	63.9	66.0	59.5	90.0	-
25	48.4	59.3	43.1	71.1	51.3	-	88.0	62.5	70.3	61.8	89.4	-
26	45.1	59.9	48.8	71.4	52.6	-	89.7	62.4	70.3	64.0	88.1	-
27	43.8	60.2	49.3	71.4	54.4	-	82.8	62.3	70.3	66.1	84.9	-
28	43.3	60.3	50.1	71.4	55.9	-	82.3	71.6	61.0	69.2	84.1	-
29	43.1	60.4	50.1	64.5	57.5	-	82.3	81.0	53.9	70.5	83.2	-
30	43.0	60.4	55.4	56.4	59.1	-	82.4	80.9	53.8	71.4	82.6	-
31	42.9	-	63.4	52.9	-	-	82.4	-	53.8	72.0	-	-

Table E-2A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	42.1	58.4	26.4	36.0	50.1	59.8	49.2	59.8	58.1	50.0	51.7	48.5	31.6	51.9	33.3	43.5	99.6	86.7
2	41.9	54.4	26.2	38.1	51.3	-	49.2	55.8	65.0	48.8	53.5	-	31.5	52.1	33.3	44.4	96.2	-
3	44.8	54.4	27.1	38.0	52.8	-	52.5	60.8	55.3	46.4	55.0	-	31.3	43.3	32.6	46.7	95.2	-
4	44.6	54.4	27.1	37.9	53.2	-	58.0	60.8	57.8	44.9	56.7	-	38.2	44.2	31.4	46.0	101.3	-
5	44.5	55.6	26.4	38.3	49.1	-	58.3	60.8	59.6	44.0	59.5	-	38.7	39.1	31.7	45.5	128.0	-
6	44.4	55.4	26.3	42.0	60.0	-	58.4	60.7	60.8	43.3	62.5	-	44.6	39.4	31.9	45.6	134.8	-
7	41.0	55.2	26.1	42.6	59.9	-	58.5	60.4	61.6	43.0	65.0	-	44.4	39.6	31.7	46.0	140.4	-
8	38.7	55.2	26.0	44.3	57.6	-	58.8	60.2	61.7	42.0	67.0	-	44.4	39.7	31.6	46.3	146.4	-
9	38.4	55.1	25.9	43.3	55.9	-	59.1	60.0	63.2	40.2	68.1	-	44.2	36.7	31.5	46.8	149.9	-
10	38.1	55.3	27.9	45.4	53.5	-	59.2	59.8	65.9	38.8	68.8	-	47.8	36.8	31.3	48.1	131.1	-
11	37.8	55.4	27.9	47.9	51.5	-	59.3	59.5	68.4	37.7	69.2	-	47.9	37.0	30.9	51.9	129.3	-
12	37.5	55.3	27.7	50.5	49.6	-	59.6	59.1	70.5	37.1	69.7	-	48.1	37.0	34.0	54.1	140.5	-
13	37.4	45.1	27.4	53.1	48.1	-	59.9	58.0	61.9	36.7	61.7	-	48.2	36.9	34.1	56.2	139.5	-
14	45.5	41.2	26.6	55.4	52.4	-	70.7	64.2	53.9	41.5	62.0	-	48.3	36.8	34.1	58.5	117.6	-
15	50.5	40.9	26.5	57.2	52.5	-	74.3	67.3	49.7	41.3	71.6	-	48.4	37.2	33.6	71.1	111.9	-
16	50.3	40.7	26.3	58.3	54.6	-	77.3	67.1	49.0	40.6	72.9	-	48.5	38.4	32.2	75.8	107.4	-
17	50.1	40.5	26.1	54.4	57.1	-	79.2	65.8	49.5	37.9	68.1	-	48.7	39.3	31.2	79.8	103.8	-
18	49.8	35.3	27.8	54.5	59.5	-	73.7	64.0	52.8	40.2	68.4	-	48.8	39.4	31.1	83.4	100.6	-
19	49.7	31.8	27.6	55.0	61.4	-	76.3	62.6	53.3	39.6	68.7	-	49.0	39.5	31.0	87.1	89.2	-
20	54.5	31.7	27.4	55.6	68.0	-	78.0	60.4	54.2	38.9	68.9	-	48.9	39.6	30.8	99.3	84.9	-
21	54.3	31.6	27.2	56.1	70.5	-	79.7	56.5	54.0	38.8	69.1	-	48.9	39.9	30.6	100.4	81.3	-
22	54.1	31.3	27.2	56.1	73.3	-	73.8	56.0	52.6	38.7	69.2	-	48.9	40.2	32.0	105.7	90.0	-
23	53.9	31.1	27.3	55.3	75.5	-	69.6	54.9	52.6	38.7	68.3	-	48.8	39.7	31.9	107.4	87.8	-
24	53.7	31.1	27.6	54.4	77.3	-	67.8	54.0	52.6	39.2	55.6	-	49.6	38.0	32.9	111.0	86.1	-
25	53.4	31.1	28.0	54.4	79.0	-	63.9	53.6	52.6	47.1	53.2	-	46.0	36.4	33.0	114.2	85.0	-
26	53.2	30.9	28.0	45.7	81.3	-	61.9	53.2	54.1	49.3	51.3	-	47.8	35.4	33.1	116.8	85.0	-
27	53.2	30.7	33.3	42.8	81.5	-	60.7	52.9	54.2	51.1	50.0	-	49.0	35.1	33.1	118.5	85.1	-
28	53.2	34.6	31.4	43.0	69.0	-	60.2	57.0	50.2	46.6	50.7	-	48.7	31.5	33.1	101.3	87.6	-
29	45.5	29.5	31.9	50.7	64.8	-	60.1	57.1	56.5	47.8	50.3	-	50.0	30.5	39.1	93.9	96.6	-
30	53.1	26.5	32.7	54.6	61.8	-	60.0	57.1	56.6	48.8	49.8	-	51.2	29.9	42.7	83.1	101.1	-
31	58.4	-	32.8	52.5	-	-	59.8	-	55.7	49.9	-	-	51.7	-	43.6	83.3	-	-

Table E-2A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	58.6	25.9	37.9	40.9	32.6	46.4	86.0	60.0	50.4	40.4	50.6	72.2
2	56.8	25.6	38.1	43.0	31.5	-	85.8	57.1	50.2	40.3	50.9	-
3	55.7	25.3	38.3	44.7	30.7	-	77.8	56.9	50.1	40.2	60.0	-
4	55.0	25.1	38.4	45.8	30.4	-	75.3	56.5	50.0	40.2	60.2	-
5	54.7	24.9	38.5	46.5	30.2	-	73.9	56.3	49.8	40.1	60.1	-
6	54.4	24.7	38.5	46.7	29.5	-	71.9	68.3	40.8	38.6	60.0	-
7	54.1	24.6	38.6	44.0	29.0	-	67.2	59.5	42.2	37.5	60.3	-
8	53.7	24.5	42.2	43.5	29.0	-	74.0	59.3	43.5	36.8	60.7	-
9	53.2	24.4	44.0	43.9	29.1	-	71.0	59.2	44.0	36.6	61.1	-
10	52.7	24.3	44.4	44.1	28.9	-	68.5	58.0	43.9	36.4	61.6	-
11	51.3	24.1	45.0	44.3	30.3	-	67.2	64.9	36.2	36.2	62.0	-
12	49.2	23.8	45.5	43.9	30.6	-	68.6	65.6	35.0	36.0	63.4	-
13	48.9	23.6	46.3	43.9	30.9	-	66.5	65.5	34.8	31.0	64.3	-
14	48.6	23.5	46.6	44.2	30.8	-	64.1	55.8	40.2	29.4	65.2	-
15	48.2	23.5	46.6	45.3	30.5	-	72.8	54.6	42.0	28.6	66.2	-
16	47.7	25.1	43.2	46.2	31.0	-	72.6	52.7	42.8	28.3	68.5	-
17	47.3	25.0	43.2	46.2	31.0	-	73.8	50.4	42.9	29.4	68.7	-
18	45.6	25.2	43.1	46.4	31.2	-	75.5	48.5	43.0	30.0	74.3	-
19	45.2	28.5	38.3	46.6	30.6	-	77.1	47.2	43.0	31.9	76.7	-
20	38.2	29.3	37.4	48.4	31.0	-	78.7	46.6	43.0	32.8	78.0	-
21	34.2	29.6	37.1	48.9	31.5	-	79.1	46.3	43.0	33.7	79.3	-
22	32.4	33.9	32.2	49.6	31.9	-	69.8	47.3	41.8	36.8	80.9	-
23	31.0	35.8	30.2	50.6	37.0	-	69.8	46.9	43.9	38.7	81.3	-
24	30.1	32.5	28.5	51.7	37.2	-	69.9	46.5	43.9	37.6	81.6	-
25	33.2	36.0	25.4	45.6	37.9	-	69.3	45.6	47.3	39.2	81.2	-
26	29.1	36.5	29.7	45.4	39.0	-	70.4	45.3	47.3	40.9	80.1	-
27	28.0	37.0	30.2	45.5	40.6	-	59.8	45.0	47.2	42.5	73.8	-
28	27.3	37.3	30.8	45.5	42.0	-	59.7	44.6	47.1	47.1	73.2	-
29	26.9	37.4	30.8	45.1	43.5	-	59.7	50.7	41.0	48.2	72.6	-
30	26.6	37.6	31.0	36.7	45.0	-	59.8	50.6	40.8	49.3	72.2	-
31	26.2	-	38.0	34.3	-	-	59.9	-	40.5	50.2	-	-

Table E-2B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	51.7	73.6	39.0	46.8	58.3	60.1	58.6	85.0	81.8	79.4	53.5	61.9	43.1	71.8	48.8	69.0	117.1	98.2
2	51.1	67.2	42.7	49.5	59.2	-	62.1	76.1	98.6	67.8	55.4	-	42.6	73.6	48.3	75.4	109.3	-
3	55.7	67.2	45.4	49.7	61.0	-	69.1	76.2	99.0	62.2	57.0	-	42.5	72.2	41.1	74.0	108.2	-
4	55.5	71.8	42.6	49.5	61.7	-	80.4	77.1	105.9	60.2	62.5	-	50.5	72.9	42.9	69.5	120.3	-
5	55.4	75.3	40.4	50.0	59.6	-	80.9	77.0	109.2	58.8	68.7	-	53.6	66.5	45.4	68.7	146.5	-
6	55.2	75.0	40.2	52.5	69.5	-	81.1	76.5	111.5	57.9	71.5	-	55.5	64.5	45.6	68.9	156.5	-
7	48.3	74.9	39.9	53.6	71.6	-	81.7	67.9	113.0	57.2	74.0	-	56.1	64.9	45.3	69.4	163.1	-
8	42.9	75.0	39.6	51.5	68.9	-	92.2	66.7	115.2	50.5	76.3	-	56.1	65.1	45.1	69.9	174.6	-
9	42.5	74.9	42.8	50.4	59.2	-	93.9	66.4	130.8	47.4	77.7	-	55.9	59.5	44.6	70.6	159.0	-
10	42.2	75.1	45.9	59.4	53.0	-	94.1	66.2	139.5	45.7	78.4	-	61.6	59.8	44.1	69.6	133.8	-
11	41.8	75.2	46.1	67.2	51.0	-	94.4	65.9	144.8	44.4	78.9	-	61.8	60.1	51.2	75.6	130.4	-
12	41.5	75.1	45.9	70.8	49.2	-	94.8	65.4	149.2	43.7	79.4	-	62.0	60.0	58.1	79.2	137.6	-
13	41.3	66.2	42.5	74.3	47.7	-	95.2	65.5	132.9	43.2	75.3	-	62.2	59.9	58.7	82.3	136.5	-
14	49.9	62.4	40.6	77.4	51.8	-	108.7	72.4	115.4	45.6	75.4	-	62.3	59.7	58.6	85.6	120.0	-
15	54.5	61.3	40.4	79.6	52.3	-	114.6	74.9	107.8	45.6	85.3	-	62.4	65.1	50.5	99.6	113.5	-
16	54.9	61.0	40.2	73.6	56.5	-	119.3	74.6	106.3	44.9	87.3	-	66.4	69.3	46.7	106.7	108.8	-
17	53.4	50.4	44.0	67.7	59.2	-	107.3	71.6	107.5	38.4	82.3	-	67.1	71.0	45.4	112.5	105.1	-
18	59.9	41.8	47.6	67.6	61.8	-	98.5	68.6	125.0	40.4	82.7	-	67.3	71.3	45.1	117.7	101.9	-
19	61.1	37.1	47.6	68.2	63.8	-	103.0	67.1	126.4	39.7	82.9	-	67.3	71.5	44.9	123.0	88.7	-
20	67.2	36.8	47.2	69.1	68.5	-	105.4	63.1	128.4	39.0	83.2	-	67.3	71.8	44.6	131.3	83.7	-
21	67.0	36.6	46.7	69.8	71.2	-	110.4	55.0	128.1	38.9	75.4	-	67.3	72.2	48.3	130.4	84.7	-
22	66.7	36.4	46.7	69.7	74.0	-	114.1	54.6	124.8	43.0	74.5	-	67.2	72.8	51.8	137.5	89.6	-
23	66.5	36.2	46.7	68.8	76.4	-	110.2	53.5	124.5	43.5	73.2	-	67.1	67.5	51.7	141.9	87.8	-
24	66.2	36.2	47.2	67.8	78.2	-	103.7	51.7	124.4	44.4	62.6	-	60.7	63.4	52.5	146.7	86.0	-
25	65.8	36.1	47.8	67.7	80.0	-	97.1	51.2	124.6	47.9	59.4	-	55.8	60.7	52.7	151.0	85.0	-
26	65.6	35.9	47.9	56.8	81.8	-	94.0	50.8	135.5	50.6	57.3	-	57.8	58.9	52.9	154.5	85.0	-
27	65.5	42.7	47.6	52.4	82.0	-	92.1	51.1	134.4	52.6	62.7	-	59.2	58.2	53.0	156.7	85.1	-
28	65.7	49.6	44.5	52.5	70.2	-	91.4	57.4	119.3	47.5	65.6	-	59.3	50.1	52.9	135.9	90.0	-
29	59.5	43.5	45.0	61.3	65.2	-	91.2	57.4	135.6	48.7	65.0	-	63.8	48.2	61.7	124.1	104.5	-
30	67.2	39.4	46.0	66.3	62.2	-	91.0	68.4	114.0	49.8	63.6	-	65.6	47.3	68.4	110.8	109.5	-
31	73.5	-	46.2	62.9	-	-	90.8	-	95.5	51.5	-	-	66.3	-	68.9	109.5	-	-

Table E-2B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	73.9	31.4	54.6	62.9	48.7	50.8	118.4	101.8	94.5	52.4	71.5	90.3
2	71.5	31.1	54.8	66.2	46.9	-	107.2	93.5	94.3	52.3	71.9	-
3	70.1	30.8	54.9	68.9	45.7	-	100.9	82.3	94.1	52.3	82.4	-
4	69.3	30.5	55.0	70.9	45.1	-	110.2	81.7	93.8	52.3	83.9	-
5	68.8	30.2	55.2	72.0	38.5	-	108.1	79.2	93.4	52.2	83.8	-
6	68.4	30.0	55.2	71.5	36.0	-	105.2	92.9	79.2	47.4	83.7	-
7	68.0	29.8	65.3	66.9	35.3	-	94.0	85.4	84.1	46.0	84.1	-
8	67.5	29.7	75.2	63.5	35.3	-	101.1	92.6	79.6	45.2	84.6	-
9	66.8	29.6	81.7	63.5	35.4	-	97.2	93.6	79.3	44.9	85.3	-
10	66.2	29.4	83.5	63.8	37.9	-	94.1	81.2	79.2	44.7	85.9	-
11	60.5	29.1	84.5	64.0	40.0	-	98.3	85.0	66.1	44.4	86.5	-
12	59.1	28.8	85.5	63.5	40.4	-	102.8	88.1	62.2	43.9	90.2	-
13	58.7	28.6	87.0	63.5	40.7	-	97.1	88.0	62.3	37.9	91.4	-
14	58.4	28.4	87.6	63.9	40.7	-	93.1	77.1	71.6	32.8	92.7	-
15	57.9	31.3	79.5	65.0	40.4	-	102.9	82.9	74.1	30.5	90.9	-
16	57.3	33.5	73.8	65.6	40.9	-	103.2	80.1	78.1	34.4	95.9	-
17	50.3	33.5	74.4	65.6	41.0	-	105.4	76.0	78.4	37.4	91.0	-
18	45.0	40.4	62.1	65.9	36.2	-	108.8	73.0	78.6	40.4	94.2	-
19	44.6	47.7	52.8	75.4	34.8	-	111.2	70.9	78.6	45.3	97.7	-
20	39.3	48.9	51.7	79.9	35.3	-	113.5	70.0	78.6	46.6	96.0	-
21	33.8	49.6	51.1	80.9	34.4	-	114.1	79.7	68.4	50.0	97.7	-
22	32.0	57.7	43.5	85.8	34.3	-	105.7	87.0	63.6	54.0	100.0	-
23	30.5	52.4	40.6	89.0	39.7	-	105.8	86.3	67.9	57.0	100.5	-
24	34.5	46.5	38.3	91.1	40.7	-	106.0	76.3	67.9	54.1	100.3	-
25	38.3	51.7	33.2	78.8	41.6	-	107.8	69.7	75.0	56.7	99.9	-
26	35.3	52.6	39.4	76.1	42.7	-	117.4	69.2	75.0	59.1	98.5	-
27	33.8	53.3	41.4	76.4	44.4	-	104.3	68.7	75.0	61.5	92.3	-
28	33.0	53.7	42.1	76.4	45.9	-	101.3	80.2	63.6	66.8	91.6	-
29	32.5	54.0	42.1	66.3	47.6	-	101.3	94.7	53.3	68.5	90.8	-
30	32.1	54.2	48.6	55.5	49.2	-	101.4	94.9	52.8	69.8	90.2	-
31	31.8	-	58.0	51.2	-	-	101.7	-	52.6	70.9	-	-

Table E-3A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	35.3	49.0	24.3	28.6	36.6	48.9	45.0	65.9	51.5	48.6	37.7	43.3	28.1	42.5	27.3	35.7	97.5	82.2
2	34.7	44.2	24.1	29.8	36.6	-	44.6	58.2	60.9	47.4	39.2	-	27.4	44.7	27.4	36.6	90.0	-
3	38.1	43.3	26.1	30.2	38.0	-	50.0	60.4	51.3	44.5	40.5	-	27.2	37.9	27.0	40.6	89.2	-
4	38.6	43.3	26.3	30.0	38.8	-	58.7	60.6	54.0	42.8	41.8	-	32.2	36.5	25.5	38.0	98.2	-
5	38.4	46.0	24.6	30.2	38.8	-	59.2	60.7	55.7	41.7	44.0	-	35.1	36.9	27.0	37.4	125.1	-
6	38.2	45.7	24.5	30.9	46.3	-	59.4	60.2	57.0	40.9	46.5	-	35.4	36.1	27.2	37.4	133.3	-
7	35.3	45.4	24.3	31.8	48.3	-	59.8	58.5	57.8	40.4	48.3	-	35.5	36.3	27.0	37.7	139.7	-
8	31.9	45.4	24.0	33.2	46.7	-	61.6	57.2	58.0	39.8	50.1	-	35.4	36.4	26.8	38.1	149.4	-
9	31.5	45.1	24.0	32.3	45.5	-	62.9	56.5	59.2	37.8	51.4	-	35.1	32.9	26.7	38.6	154.3	-
10	31.1	45.2	25.9	33.3	41.1	-	63.6	55.9	62.0	36.3	52.2	-	38.7	33.1	26.3	39.7	129.6	-
11	30.8	45.1	26.6	37.5	39.6	-	64.2	55.2	64.7	34.9	52.9	-	38.7	33.3	25.8	42.5	127.2	-
12	30.5	44.9	26.5	40.0	38.1	-	65.0	54.2	67.2	34.1	53.6	-	38.9	33.3	29.9	43.8	139.2	-
13	30.3	37.5	26.1	42.6	36.8	-	65.8	51.2	61.2	33.5	53.8	-	39.0	33.3	30.7	45.9	138.9	-
14	35.8	35.5	24.0	45.3	40.3	-	78.4	57.2	52.6	33.3	53.4	-	39.0	33.2	30.5	48.1	118.2	-
15	39.8	34.3	23.5	47.2	41.3	-	83.1	57.4	50.4	33.7	63.2	-	39.0	33.4	30.1	58.7	112.0	-
16	40.8	34.0	23.2	48.5	43.0	-	87.5	57.2	49.4	33.0	64.9	-	39.2	34.4	28.3	63.5	107.3	-
17	40.4	33.9	22.9	43.9	45.3	-	90.4	56.1	49.7	30.1	59.8	-	40.0	35.6	27.2	67.5	103.6	-
18	39.3	27.8	25.1	43.4	47.5	-	80.3	54.3	53.9	32.4	60.2	-	40.2	35.9	26.8	71.1	100.3	-
19	39.8	24.2	25.3	43.9	49.3	-	82.8	53.0	54.5	31.7	60.5	-	40.4	36.1	26.6	74.9	85.3	-
20	44.8	23.9	25.0	44.7	50.9	-	85.1	51.1	55.5	31.1	60.8	-	40.2	36.3	26.4	90.0	80.8	-
21	44.7	23.8	24.6	45.3	53.1	-	87.1	47.1	55.8	30.9	61.2	-	40.1	36.6	26.1	87.9	77.2	-
22	44.3	23.7	24.4	45.5	55.7	-	83.4	46.7	54.2	30.7	60.7	-	39.9	37.1	28.5	93.2	82.2	-
23	44.0	23.9	24.0	44.9	58.1	-	77.8	45.7	54.2	31.0	60.4	-	39.7	37.0	28.4	98.2	80.1	-
24	43.7	24.0	23.9	44.0	60.1	-	75.7	43.8	54.1	31.2	49.4	-	40.0	35.2	28.4	102.2	78.4	-
25	43.3	24.1	24.1	43.7	62.1	-	71.4	43.3	54.2	35.2	47.0	-	35.6	33.4	28.7	106.3	77.3	-
26	42.9	24.0	24.1	37.6	64.7	-	69.1	42.7	59.1	37.1	45.2	-	36.7	32.1	28.8	110.1	77.4	-
27	42.8	23.8	27.8	32.9	65.4	-	67.6	42.3	59.2	38.7	43.9	-	37.8	31.6	28.8	113.2	77.4	-
28	42.8	28.5	26.2	32.5	57.3	-	67.0	48.3	51.6	33.7	45.0	-	37.7	26.6	28.6	104.8	79.8	-
29	41.2	28.0	25.1	37.5	53.3	-	66.8	48.3	60.8	34.6	44.7	-	40.5	25.4	31.7	96.0	89.6	-
30	43.6	25.1	25.3	40.8	50.8	-	66.5	48.4	60.8	35.5	44.5	-	41.7	24.6	35.4	84.9	94.2	-
31	48.2	-	25.6	39.1	-	-	66.2	-	57.2	36.3	-	-	42.2	-	36.2	82.4	-	-

Table E-3A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	59.6	19.7	31.7	34.3	27.1	36.5	80.4	62.8	50.3	38.6	45.7	62.8
2	57.5	19.3	32.1	36.4	26.0	-	79.7	55.8	50.1	38.4	46.3	-
3	56.1	18.9	32.4	38.0	25.2	-	75.4	55.3	50.0	38.3	52.1	-
4	55.1	18.7	32.6	39.3	24.7	-	72.8	54.8	49.7	38.3	53.0	-
5	54.7	18.3	32.7	40.1	24.4	-	71.3	53.9	49.4	38.2	53.2	-
6	54.2	18.1	32.8	40.6	22.7	-	69.8	64.6	40.7	34.9	53.3	-
7	53.7	17.8	33.0	37.7	22.1	-	65.1	56.7	43.4	33.8	53.8	-
8	53.1	17.7	38.4	35.6	22.0	-	72.1	56.4	44.7	33.0	54.6	-
9	52.3	17.5	42.5	35.3	22.0	-	69.2	56.4	45.1	32.6	55.5	-
10	51.5	17.3	44.2	35.5	21.8	-	66.7	55.3	45.0	32.2	56.4	-
11	48.3	17.0	45.0	36.0	23.4	-	65.2	61.9	36.7	31.9	57.2	-
12	47.4	16.7	45.8	35.8	23.6	-	66.3	63.5	34.6	31.5	60.9	-
13	46.7	16.4	47.0	35.7	23.9	-	64.3	63.2	34.2	26.2	62.2	-
14	46.1	16.2	47.7	36.2	23.9	-	62.0	52.6	40.5	24.0	63.8	-
15	45.4	16.1	47.7	37.0	23.6	-	71.9	51.1	43.6	22.0	64.9	-
16	44.6	17.7	43.0	38.1	23.9	-	71.7	50.6	45.1	21.7	66.5	-
17	43.6	18.0	41.8	38.0	23.9	-	72.4	48.0	45.4	23.9	66.9	-
18	38.0	18.3	41.9	38.3	24.0	-	73.8	45.8	45.5	24.4	66.0	-
19	37.2	21.9	35.0	38.6	22.9	-	75.2	44.3	45.5	27.1	68.6	-
20	33.4	22.8	33.9	41.4	23.2	-	76.6	43.4	45.5	27.9	69.8	-
21	28.7	23.1	33.4	42.2	23.6	-	76.9	42.9	45.5	28.7	67.8	-
22	26.9	27.4	27.9	43.1	23.3	-	73.2	46.6	41.2	31.8	69.4	-
23	25.4	29.2	25.7	45.5	27.4	-	73.2	46.1	44.1	33.7	69.9	-
24	24.4	25.7	23.9	46.9	28.2	-	73.1	45.4	44.2	31.7	70.3	-
25	26.6	28.3	20.2	41.0	28.8	-	69.0	44.3	49.5	33.1	70.2	-
26	24.2	29.0	23.8	37.9	29.7	-	69.7	43.6	49.5	34.8	69.4	-
27	23.0	29.6	25.9	38.2	31.0	-	63.2	43.0	49.4	36.6	63.6	-
28	22.1	30.3	26.1	38.2	32.4	-	62.7	42.3	49.2	41.1	63.2	-
29	21.4	30.9	26.0	38.2	33.7	-	62.6	50.7	40.1	42.7	63.0	-
30	20.8	31.3	25.8	31.2	35.2	-	62.6	50.8	39.2	44.0	62.6	-
31	20.2	-	31.5	28.7	-	-	62.7	-	38.7	45.1	-	-

Table E-3B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	42.7	61.6	30.5	32.1	45.0	54.8	46.8	79.4	70.9	76.7	43.7	55.9	35.9	60.9	43.3	48.6	102.2	89.6
2	41.9	56.4	32.8	32.6	44.0	-	46.9	71.2	86.7	65.3	45.5	-	35.1	65.0	43.2	50.5	97.2	-
3	45.5	54.9	35.8	33.7	45.4	-	51.9	71.4	86.6	56.3	47.1	-	34.9	64.1	36.6	51.3	96.2	-
4	46.3	57.8	34.5	33.7	46.6	-	60.6	73.2	95.9	54.1	51.6	-	41.2	64.8	34.9	46.9	106.2	-
5	46.0	62.2	31.9	33.8	46.5	-	61.5	73.2	99.0	52.5	57.4	-	46.4	60.9	37.9	46.4	131.0	-
6	45.7	62.6	31.3	34.9	54.1	-	61.7	72.7	101.4	51.4	61.1	-	47.7	56.9	38.1	46.2	142.2	-
7	41.0	62.1	31.1	36.3	58.9	-	62.3	65.5	103.0	50.3	63.2	-	48.9	57.3	37.8	46.5	149.4	-
8	35.5	62.1	30.7	35.9	57.1	-	69.2	61.7	104.6	44.9	65.6	-	48.7	57.5	37.6	47.0	161.7	-
9	35.0	61.7	32.3	34.8	50.2	-	73.4	60.8	118.1	40.2	67.3	-	48.4	53.3	37.3	47.5	152.8	-
10	34.6	61.7	35.1	39.2	43.3	-	74.3	60.0	131.6	38.5	68.4	-	52.0	53.0	36.6	50.3	127.9	-
11	34.1	61.7	36.4	46.4	41.7	-	75.2	59.2	137.4	37.1	69.2	-	52.8	53.3	38.3	54.0	123.3	-
12	33.8	61.4	36.2	49.4	40.2	-	76.1	58.3	142.7	36.3	70.0	-	53.1	53.3	44.4	55.8	130.1	-
13	33.5	52.8	34.9	52.5	38.9	-	77.1	57.3	129.7	35.6	67.7	-	53.2	53.3	46.2	58.4	129.5	-
14	39.6	48.7	32.2	55.4	42.2	-	88.3	62.6	113.3	36.9	66.5	-	53.3	53.2	46.0	61.2	113.6	-
15	45.0	46.7	31.5	57.7	43.7	-	94.1	67.0	101.9	37.6	76.0	-	53.3	58.4	39.5	72.1	107.1	-
16	46.8	46.4	31.1	57.4	47.1	-	98.8	66.6	100.1	36.9	79.3	-	56.3	64.0	34.5	78.4	102.6	-
17	46.1	39.5	31.7	52.7	50.3	-	99.9	65.0	100.7	31.3	74.6	-	58.5	65.9	33.1	83.6	98.9	-
18	52.3	32.2	34.4	50.6	53.0	-	90.3	61.3	117.5	33.0	74.3	-	58.7	66.7	32.5	88.6	95.7	-
19	53.9	28.2	35.6	51.0	55.1	-	93.3	59.7	119.2	32.7	74.8	-	58.7	67.1	32.2	93.8	83.0	-
20	58.1	27.1	35.3	52.0	59.3	-	96.1	56.9	121.4	32.0	75.2	-	58.4	67.6	31.8	106.0	77.9	-
21	59.4	26.9	34.8	52.8	62.4	-	99.3	48.9	121.8	31.7	70.0	-	58.2	68.4	32.8	104.0	76.8	-
22	58.8	26.7	34.4	53.1	65.7	-	103.2	48.4	118.5	34.0	66.5	-	58.0	69.3	36.0	109.1	81.3	-
23	58.3	26.8	33.8	52.5	68.6	-	99.1	47.4	117.9	36.0	66.0	-	57.7	66.4	36.4	114.8	80.0	-
24	57.8	27.0	33.7	51.6	71.0	-	94.6	45.7	117.6	36.3	56.1	-	52.0	60.3	36.7	119.2	78.4	-
25	57.2	27.1	33.9	51.3	73.3	-	87.1	45.1	118.0	39.1	52.8	-	47.9	57.2	37.1	124.1	77.3	-
26	56.7	26.9	34.0	44.3	75.8	-	84.3	44.5	129.8	41.7	50.8	-	47.4	54.8	37.4	128.4	77.2	-
27	56.5	30.7	34.2	38.8	76.3	-	82.4	44.0	130.2	43.5	55.1	-	48.9	53.5	37.4	131.8	77.2	-
28	56.4	36.8	32.4	38.0	65.1	-	81.7	49.7	114.8	38.9	59.1	-	49.4	45.4	37.3	118.3	80.6	-
29	50.9	35.5	30.9	44.9	60.0	-	81.4	49.8	131.6	39.5	58.6	-	54.2	43.2	42.5	107.3	94.3	-
30	54.0	32.0	31.2	49.2	57.0	-	81.0	59.6	111.3	40.5	57.5	-	55.5	42.0	47.9	95.8	99.4	-
31	59.7	-	31.5	47.6	-	-	80.7	-	93.7	41.9	-	-	56.2	-	48.5	90.5	-	-

Table E-3B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	63.2	22.9	39.6	42.3	36.5	35.6	114.5	100.4	89.6	41.3	54.3	81.2
2	61.1	22.4	40.0	45.0	34.8	-	107.7	91.5	89.1	41.0	55.0	-
3	59.7	22.0	40.2	47.2	33.6	-	101.5	80.3	88.5	40.9	62.6	-
4	58.8	21.5	40.5	49.0	32.9	-	110.4	78.5	88.0	40.9	67.2	-
5	58.3	21.1	40.7	50.2	29.2	-	109.3	76.1	87.2	40.8	67.5	-
6	57.7	20.7	40.8	50.5	25.8	-	107.5	89.3	73.3	37.5	67.8	-
7	57.1	20.4	46.0	48.8	25.2	-	95.7	83.5	74.8	36.3	68.4	-
8	56.3	20.1	54.3	45.4	25.0	-	102.9	87.6	72.6	35.4	69.4	-
9	55.3	20.0	61.0	44.4	25.0	-	99.3	91.6	69.8	34.9	70.5	-
10	54.4	19.8	64.4	44.8	24.8	-	96.1	80.2	69.8	34.6	71.5	-
11	49.6	19.4	65.6	45.3	26.4	-	99.3	82.7	57.5	34.2	72.6	-
12	47.4	19.0	66.7	45.1	26.8	-	105.3	87.8	52.4	33.8	76.5	-
13	46.7	18.7	68.3	45.1	27.0	-	99.5	87.4	51.9	29.0	78.0	-
14	46.2	18.5	69.4	45.5	27.1	-	95.4	76.1	59.6	24.9	79.8	-
15	45.5	18.8	68.1	46.6	26.8	-	105.6	81.5	61.5	21.8	77.4	-
16	44.7	20.5	61.9	47.7	27.1	-	106.2	82.8	65.0	24.2	79.4	-
17	42.2	21.0	60.1	47.7	27.2	-	107.8	77.8	65.5	27.2	77.0	-
18	36.9	25.1	50.9	48.1	25.0	-	110.7	74.1	65.7	28.9	79.8	-
19	36.0	30.5	42.0	53.1	22.9	-	112.8	71.4	65.7	32.5	83.8	-
20	31.8	33.7	38.2	59.2	23.1	-	114.9	69.9	65.7	33.5	83.7	-
21	27.0	34.5	37.4	60.8	23.1	-	115.5	77.2	58.4	35.5	86.0	-
22	25.2	39.9	31.8	63.4	22.6	-	107.2	87.3	51.3	38.9	88.2	-
23	23.7	37.7	29.0	67.9	26.2	-	107.1	86.4	53.9	41.1	88.8	-
24	25.8	33.4	26.8	70.1	27.7	-	107.0	77.2	54.2	39.2	89.0	-
25	28.7	34.9	23.1	61.6	28.4	-	106.9	67.7	60.0	40.6	88.7	-
26	27.9	36.1	26.3	56.2	29.2	-	119.8	66.6	61.0	42.7	87.7	-
27	26.6	36.9	29.2	56.4	30.4	-	107.0	65.5	60.9	44.8	82.6	-
28	25.5	37.7	29.5	56.5	31.6	-	100.3	72.8	53.8	48.9	81.9	-
29	24.7	38.4	29.4	51.9	32.9	-	100.1	87.1	44.1	50.7	81.3	-
30	24.0	39.0	31.8	43.0	34.3	-	100.1	90.3	41.8	52.1	81.0	-
31	23.5	-	38.2	38.7	-	-	100.4	-	41.5	53.3	-	-

Table E-4A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	25.4	35.7	16.6	18.1	23.5	32.5	29.4	53.2	35.3	43.5	26.2	34.7	19.2	35.3	21.0	29.4	63.8	69.8
2	24.1	34.0	16.2	18.3	22.6	-	28.7	47.9	44.7	42.0	27.4	-	18.2	39.0	20.8	29.1	61.4	-
3	25.4	31.8	17.9	18.9	22.8	-	31.4	44.5	41.7	37.3	28.6	-	18.0	33.1	21.1	33.2	59.7	-
4	26.9	31.6	18.7	19.3	23.6	-	37.4	45.4	44.8	35.5	29.7	-	21.3	32.5	18.1	30.7	65.8	-
5	26.9	34.0	17.3	19.3	24.2	-	38.5	45.4	46.4	34.2	32.3	-	24.9	32.5	19.8	30.0	82.9	-
6	26.7	35.2	16.5	19.5	25.1	-	38.8	45.1	47.8	33.3	34.8	-	25.6	29.8	20.0	29.7	90.6	-
7	26.4	35.0	16.3	20.5	29.0	-	39.1	43.0	48.8	32.6	36.3	-	26.3	30.0	19.9	29.9	96.4	-
8	22.4	34.7	16.1	21.2	28.7	-	41.1	40.2	49.2	32.1	38.1	-	26.2	30.1	19.7	30.2	110.0	-
9	21.8	34.5	16.0	20.9	27.8	-	43.8	39.4	50.3	29.9	39.5	-	26.0	28.7	19.5	30.5	116.7	-
10	21.4	34.5	17.1	20.9	23.3	-	44.5	38.7	53.8	28.3	40.6	-	27.1	27.6	19.0	31.1	96.1	-
11	21.0	34.5	18.2	25.1	22.2	-	45.2	38.0	56.7	26.9	41.5	-	28.5	27.8	18.6	34.6	91.4	-
12	20.6	34.3	18.7	27.1	21.3	-	46.0	37.2	59.8	25.9	42.4	-	28.7	27.8	21.4	34.2	96.4	-
13	20.3	29.2	18.5	29.2	21.0	-	46.8	34.6	59.1	25.2	41.1	-	29.0	27.7	23.9	35.2	97.2	-
14	23.5	25.7	17.2	31.3	21.7	-	52.6	36.1	54.2	25.9	39.7	-	29.1	27.6	24.4	37.2	89.6	-
15	27.6	24.0	16.1	33.1	23.3	-	56.8	38.4	48.6	26.9	44.3	-	29.1	27.5	24.1	42.6	84.3	-
16	30.1	23.3	15.7	34.4	24.1	-	60.9	38.1	47.4	26.5	46.9	-	29.3	30.4	20.2	47.1	80.3	-
17	30.5	23.1	15.4	32.4	25.9	-	63.8	37.5	47.2	22.1	45.2	-	31.4	31.5	19.1	51.2	77.3	-
18	29.2	18.7	16.5	30.2	27.6	-	59.1	36.0	55.8	22.7	44.3	-	31.8	32.3	18.5	54.8	74.9	-
19	29.8	16.1	17.5	29.8	28.9	-	57.0	34.9	56.7	22.9	44.8	-	31.9	32.5	18.2	58.4	63.0	-
20	32.2	14.9	17.7	30.2	30.2	-	59.0	33.5	57.8	22.2	45.2	-	31.9	32.8	17.9	71.8	59.2	-
21	33.9	14.7	17.5	30.9	32.2	-	60.6	29.9	59.1	21.9	45.7	-	31.7	33.2	17.6	71.3	56.1	-
22	33.5	14.5	17.3	31.2	34.2	-	64.8	29.7	57.2	21.6	42.1	-	31.6	33.8	19.3	73.0	58.0	-
23	33.2	14.4	17.1	31.1	36.1	-	62.7	29.0	56.7	23.6	42.2	-	31.4	34.1	20.2	77.9	57.2	-
24	32.8	14.5	16.9	30.6	37.9	-	61.0	27.0	56.5	23.6	37.8	-	31.5	30.7	20.3	81.5	55.9	-
25	32.3	14.5	16.9	30.1	39.7	-	58.8	26.5	56.6	23.8	35.2	-	29.3	28.7	20.6	85.7	54.9	-
26	31.9	14.5	17.0	25.4	41.5	-	56.8	25.9	63.2	25.3	33.6	-	27.5	27.2	20.8	90.1	54.8	-
27	31.7	14.3	19.9	21.8	42.8	-	55.3	25.4	64.6	26.6	32.5	-	28.2	26.3	20.9	93.9	54.8	-
28	31.5	17.1	19.2	19.8	39.4	-	54.7	28.4	57.0	24.6	35.9	-	28.8	21.9	20.8	83.2	56.3	-
29	31.2	18.7	18.2	21.5	36.1	-	54.3	29.3	61.6	23.8	35.6	-	33.6	20.2	24.3	73.2	65.5	-
30	29.7	17.8	17.3	23.9	34.1	-	53.9	29.4	65.4	24.5	35.7	-	34.2	19.3	28.7	66.7	69.6	-
31	33.1	-	17.1	24.6	-	-	53.5	-	54.5	25.1	-	-	34.8	-	28.9	61.1	-	-

Table E-4A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	43.8	12.0	21.3	22.4	19.1	21.3	69.1	53.8	47.3	25.8	29.3	46.1
2	41.9	11.5	21.7	24.2	18.1	-	67.1	48.5	46.9	25.7	29.9	-
3	40.5	11.2	21.9	25.6	17.3	-	63.1	47.9	46.5	25.5	30.6	-
4	39.5	11.0	22.1	26.8	16.9	-	60.6	46.9	46.1	25.5	34.0	-
5	38.8	10.7	22.2	27.7	16.6	-	59.5	45.4	45.6	25.4	34.3	-
6	38.3	10.5	22.3	28.2	14.2	-	58.9	52.7	38.3	22.6	34.6	-
7	37.7	10.2	22.4	28.2	13.7	-	53.1	48.8	39.8	21.7	35.0	-
8	36.9	10.1	26.4	25.9	13.5	-	57.9	48.2	41.1	21.0	35.7	-
9	36.0	10.0	30.3	24.7	13.5	-	55.5	51.2	38.9	20.5	36.5	-
10	35.1	9.9	33.2	24.7	13.4	-	53.7	50.2	39.0	20.2	37.5	-
11	32.5	9.7	34.4	25.1	13.7	-	52.0	51.5	33.9	19.8	38.3	-
12	30.0	9.5	35.2	25.3	14.2	-	53.1	54.6	30.5	19.5	40.9	-
13	29.1	9.2	36.1	25.2	14.4	-	51.3	54.3	29.8	17.7	42.3	-
14	28.5	9.1	37.0	25.4	14.5	-	49.3	47.1	31.8	15.8	43.8	-
15	27.9	8.9	37.6	25.9	14.4	-	54.3	45.5	34.7	13.2	45.0	-
16	27.2	9.8	34.0	25.9	14.4	-	54.0	48.2	36.3	12.8	46.7	-
17	26.4	10.5	32.6	26.1	14.5	-	54.5	45.5	36.6	14.4	47.1	-
18	22.4	10.6	32.6	26.3	14.6	-	55.5	42.7	36.8	14.8	42.7	-
19	21.5	13.1	26.8	26.6	13.1	-	56.8	40.8	36.9	17.0	44.8	-
20	20.5	15.2	23.2	30.3	12.8	-	58.0	39.6	36.9	17.7	46.0	-
21	17.1	16.1	21.9	32.0	13.0	-	58.3	38.6	36.8	18.3	45.8	-
22	15.7	18.9	18.5	32.9	12.6	-	58.4	44.1	31.5	20.7	47.1	-
23	14.5	20.5	16.7	35.7	14.3	-	58.4	45.1	31.5	21.7	47.5	-
24	13.7	18.5	15.3	37.1	15.8	-	58.5	44.0	32.3	21.2	48.1	-
25	14.7	18.4	13.0	33.2	16.1	-	52.0	39.0	35.2	20.9	48.1	-
26	14.9	19.1	13.6	29.5	16.7	-	57.3	38.0	37.5	22.1	47.8	-
27	14.7	19.4	15.6	28.1	17.5	-	57.4	37.0	37.6	23.4	46.7	-
28	14.1	19.9	16.6	28.0	18.4	-	53.4	36.0	37.6	24.9	46.0	-
29	13.4	20.4	16.8	28.0	19.2	-	53.2	42.9	30.6	26.6	45.9	-
30	12.9	20.8	16.6	23.0	20.3	-	53.3	47.5	26.7	27.7	45.9	-
31	12.4	-	20.1	20.6	-	-	53.6	-	26.0	28.6	-	-

Table E-4B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	28.7	41.2	20.5	20.3	29.6	37.9	37.6	64.7	49.2	60.0	29.6	42.6	22.3	38.9	24.3	31.7	75.5	76.3
2	27.1	39.0	20.1	20.8	28.3	-	36.5	58.5	60.9	52.9	31.1	-	20.9	42.3	24.3	31.5	77.8	-
3	28.6	36.6	22.0	21.4	28.1	-	39.9	57.5	59.6	44.3	32.5	-	20.6	41.5	22.2	34.7	74.1	-
4	30.2	36.1	23.3	21.8	28.7	-	46.7	60.2	63.1	42.0	35.0	-	23.7	41.8	19.0	33.4	80.4	-
5	30.4	38.6	22.1	22.2	28.5	-	50.0	60.3	65.4	40.4	39.6	-	27.6	39.8	20.3	31.9	100.4	-
6	30.0	40.3	20.9	23.2	31.5	-	50.3	59.9	67.4	39.2	42.9	-	29.5	36.9	21.0	31.5	113.1	-
7	28.6	40.1	20.5	24.2	36.7	-	50.8	55.4	69.0	38.2	45.2	-	30.5	36.5	20.9	31.6	120.6	-
8	24.7	39.9	20.3	24.2	37.0	-	55.0	49.6	70.0	35.7	47.4	-	30.6	36.6	20.7	32.0	132.2	-
9	23.2	39.7	20.9	23.9	34.5	-	61.5	48.5	74.8	30.8	49.1	-	30.3	34.1	20.4	32.3	135.5	-
10	22.7	39.6	22.5	24.8	29.3	-	62.5	47.6	86.6	29.2	50.5	-	32.5	32.4	20.0	31.0	114.0	-
11	22.2	39.6	24.0	29.4	27.4	-	63.6	46.8	91.4	27.8	51.6	-	34.5	32.6	21.5	34.0	104.9	-
12	21.8	39.2	24.6	32.2	26.3	-	64.7	45.7	96.2	26.8	52.7	-	34.8	32.6	24.5	34.6	110.4	-
13	21.7	34.9	23.4	34.6	25.4	-	65.9	42.9	92.4	26.1	52.8	-	35.1	32.5	27.5	35.3	111.1	-
14	24.9	30.9	21.7	37.1	26.6	-	75.6	44.6	82.6	26.0	51.3	-	35.2	32.3	28.4	37.2	98.3	-
15	29.0	28.7	20.5	39.2	28.4	-	83.6	48.4	72.9	26.8	57.7	-	35.3	34.1	26.4	44.3	91.9	-
16	31.9	27.8	20.0	40.6	29.7	-	89.3	48.5	70.5	26.4	63.6	-	35.8	37.6	22.3	49.3	87.6	-
17	32.4	25.6	19.7	37.3	32.7	-	87.7	47.7	70.4	22.2	62.1	-	38.0	38.8	21.1	53.6	84.3	-
18	33.7	20.7	21.7	34.8	35.0	-	80.5	44.9	82.4	22.2	59.9	-	38.5	39.7	20.3	57.7	81.5	-
19	34.8	17.5	23.2	33.7	36.9	-	78.3	43.4	85.5	22.7	60.5	-	38.6	40.2	20.0	62.0	70.5	-
20	36.4	15.6	23.8	34.0	38.9	-	80.5	41.5	87.3	22.0	61.2	-	38.5	40.6	19.6	74.3	64.8	-
21	39.5	15.2	23.7	34.7	42.4	-	82.9	35.2	88.7	21.7	58.4	-	38.3	41.1	19.3	76.7	61.7	-
22	39.5	14.9	23.5	35.0	45.1	-	87.1	34.7	86.1	22.7	53.7	-	38.1	41.9	20.7	77.5	64.8	-
23	39.2	14.8	23.2	35.0	47.8	-	81.7	34.0	85.0	24.8	53.5	-	37.9	41.7	22.0	82.3	65.9	-
24	38.7	14.8	22.9	34.5	50.2	-	79.2	32.6	84.7	25.1	45.2	-	35.9	37.7	22.3	86.6	64.4	-
25	38.1	14.8	23.0	34.2	52.5	-	72.5	31.9	84.9	27.4	40.9	-	33.5	35.3	22.7	91.2	63.4	-
26	37.6	14.9	22.8	29.1	54.8	-	69.9	31.2	93.1	29.6	39.1	-	30.9	33.3	22.9	95.8	63.2	-
27	37.3	17.7	22.2	25.1	56.3	-	68.1	30.5	96.7	31.1	40.6	-	31.2	32.1	23.0	99.7	63.2	-
28	37.1	21.1	21.4	22.9	48.2	-	67.2	34.0	86.1	28.3	44.5	-	31.8	27.2	23.0	90.9	65.2	-
29	35.8	22.8	20.3	26.7	42.1	-	66.8	36.1	91.7	26.7	44.3	-	35.5	24.5	26.1	81.7	76.9	-
30	34.9	21.9	19.3	30.9	39.7	-	66.3	41.0	88.4	27.4	44.1	-	36.8	23.4	30.1	74.4	82.0	-
31	38.3	-	19.2	31.3	-	-	65.8	-	73.9	28.1	-	-	37.5	-	31.2	68.2	-	-

Table E-4B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	51.7	12.5	26.2	30.0	23.9	21.5	97.1	82.4	66.1	28.6	33.1	62.2
2	49.3	12.2	26.6	32.3	22.5	-	92.3	75.4	65.5	28.4	33.6	-
3	47.7	11.8	26.8	34.4	21.5	-	86.4	66.1	64.9	28.3	37.4	-
4	46.6	11.5	27.0	36.2	20.9	-	92.5	59.2	64.4	28.1	42.8	-
5	45.7	11.2	27.1	37.2	18.8	-	98.9	57.3	63.8	28.0	43.5	-
6	45.0	10.9	27.5	36.2	16.2	-	97.5	65.5	53.8	25.4	43.9	-
7	44.1	10.7	31.6	36.0	15.3	-	87.5	64.9	52.0	24.3	44.4	-
8	43.2	10.5	37.3	33.3	15.1	-	93.6	62.9	52.8	23.5	45.3	-
9	42.1	10.4	43.4	31.6	15.0	-	93.1	67.3	49.7	22.9	46.4	-
10	40.9	10.2	48.0	31.4	15.0	-	89.5	62.5	49.8	22.5	47.6	-
11	38.1	10.1	50.1	31.8	15.5	-	88.1	62.4	41.4	22.2	48.6	-
12	34.8	9.8	51.2	32.0	16.1	-	93.4	69.9	35.2	21.9	51.5	-
13	33.8	9.6	52.4	32.0	16.4	-	88.3	69.4	34.4	18.9	53.3	-
14	33.2	9.4	53.8	32.2	16.5	-	84.4	60.7	38.6	16.5	55.0	-
15	32.5	9.9	51.2	32.9	16.3	-	92.4	61.3	40.5	14.1	54.2	-
16	31.7	10.9	46.2	33.5	16.4	-	93.8	64.2	42.1	14.1	55.8	-
17	28.8	11.5	43.6	33.8	16.5	-	95.2	60.7	42.6	15.8	55.9	-
18	24.8	12.6	40.3	34.1	15.0	-	97.6	57.1	42.9	16.8	56.7	-
19	23.0	15.3	33.5	37.5	13.6	-	99.4	54.2	43.1	19.0	60.9	-
20	20.4	18.2	28.8	42.1	13.0	-	101.4	52.4	43.1	20.3	62.7	-
21	17.1	20.1	26.5	45.6	13.2	-	102.2	52.8	41.7	20.5	64.3	-
22	15.5	23.4	22.4	47.2	12.8	-	96.5	59.3	37.2	22.8	66.6	-
23	14.3	25.5	19.6	50.9	14.7	-	92.8	62.7	36.0	23.7	67.2	-
24	13.8	23.1	17.9	53.5	16.3	-	93.0	60.1	37.2	23.3	67.8	-
25	15.0	22.7	15.2	47.4	16.6	-	86.8	51.3	40.4	22.9	67.7	-
26	15.2	23.6	15.9	42.3	17.2	-	98.6	50.0	43.6	24.1	67.3	-
27	15.2	24.0	18.0	40.0	18.0	-	90.7	48.7	44.0	25.5	64.1	-
28	14.7	24.6	19.3	39.8	18.9	-	81.8	49.4	42.2	27.9	62.3	-
29	14.0	25.2	19.6	36.1	19.7	-	81.6	58.4	34.6	29.9	62.0	-
30	13.4	25.7	21.4	29.8	20.6	-	81.7	65.8	29.8	31.1	61.9	-
31	13.0	-	25.8	25.8	-	-	82.1	-	28.9	32.2	-	-

Table E-5A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	28.5	48.9	14.7	21.2	25.9	38.0	31.0	57.0	55.3	50.5	31.7	35.7	16.5	41.0	18.8	41.4	88.7	80.0
2	26.8	45.0	14.1	22.1	24.7	-	29.4	49.9	70.2	47.5	33.4	-	15.2	46.5	18.4	41.0	90.9	-
3	29.7	41.8	15.5	22.7	24.4	-	33.0	54.8	57.7	39.9	35.0	-	14.9	36.9	18.8	45.9	86.2	-
4	31.8	40.8	16.6	23.2	25.1	-	38.7	56.5	62.6	37.7	36.5	-	19.2	37.3	15.6	44.4	90.9	-
5	32.3	43.5	15.9	23.4	21.6	-	41.1	56.5	65.0	36.1	41.7	-	22.6	32.0	16.7	42.3	119.4	-
6	31.9	45.6	15.0	28.3	27.2	-	41.5	56.1	67.2	34.8	45.3	-	27.3	29.3	17.4	41.7	132.8	-
7	31.6	45.5	14.6	30.0	32.2	-	41.9	53.9	68.9	33.9	45.4	-	28.3	28.9	17.3	41.9	142.2	-
8	27.1	45.5	14.2	31.0	33.6	-	43.7	49.1	68.6	33.5	47.8	-	28.5	29.1	17.1	42.5	161.5	-
9	25.4	45.1	14.2	28.7	32.6	-	48.7	47.8	73.5	29.6	50.0	-	28.2	25.9	16.9	43.1	172.5	-
10	24.7	45.0	16.3	28.4	27.5	-	49.8	46.7	83.0	27.8	51.8	-	31.4	24.3	16.5	41.4	145.7	-
11	24.1	44.8	17.6	33.2	25.2	-	50.8	45.6	88.2	26.2	53.3	-	33.7	24.3	17.2	44.5	133.7	-
12	23.6	44.4	18.5	36.9	24.1	-	51.9	44.2	93.7	25.0	54.7	-	34.1	24.4	20.1	45.0	151.7	-
13	23.3	33.0	18.7	39.7	23.6	-	53.2	44.9	76.5	24.1	44.1	-	34.4	25.2	22.1	45.1	153.3	-
14	30.6	29.6	16.6	42.6	26.7	-	66.9	52.5	62.0	29.8	42.7	-	34.6	25.0	23.7	46.9	113.0	-
15	36.9	27.0	15.5	45.2	28.8	-	73.2	59.9	51.7	30.9	51.8	-	34.7	25.0	23.9	67.5	105.8	-
16	41.7	25.5	14.9	47.2	29.1	-	79.4	59.8	49.9	31.0	56.7	-	34.9	28.2	19.6	75.8	100.6	-
17	43.9	25.3	14.6	42.7	32.1	-	84.0	58.9	49.5	25.2	56.9	-	37.5	29.0	18.3	83.2	96.7	-
18	42.4	20.5	16.6	39.5	34.5	-	73.9	55.5	59.7	24.7	54.7	-	38.6	29.9	17.5	90.1	93.5	-
19	42.5	17.3	17.8	38.1	36.5	-	71.1	53.5	61.3	25.4	57.5	-	38.8	30.3	17.2	97.2	78.2	-
20	45.1	15.3	18.4	38.1	38.5	-	73.6	51.3	62.7	24.5	56.6	-	38.6	30.7	16.9	121.5	72.8	-
21	45.9	14.8	18.5	38.9	42.4	-	75.7	43.9	64.5	24.7	55.7	-	38.4	31.1	16.5	124.0	68.8	-
22	46.0	13.9	18.2	39.4	45.3	-	72.2	43.4	62.4	25.1	50.8	-	38.2	31.8	17.8	125.1	77.6	-
23	47.5	13.8	17.9	39.5	48.4	-	68.3	42.5	61.5	27.6	50.4	-	37.9	32.2	19.0	128.3	78.6	-
24	47.0	13.9	17.5	39.0	51.2	-	66.3	39.6	61.2	27.9	39.4	-	37.8	28.4	20.1	134.2	78.1	-
25	46.1	14.0	17.5	38.4	54.0	-	64.3	38.6	61.3	33.1	36.0	-	36.3	26.4	20.7	137.1	76.6	-
26	45.3	13.9	17.5	29.2	57.0	-	61.9	37.6	66.6	34.5	34.3	-	33.3	24.7	21.8	132.6	76.1	-
27	44.9	14.1	22.3	24.1	59.2	-	60.1	36.5	71.0	36.5	33.1	-	32.9	23.6	24.0	139.0	76.1	-
28	44.5	17.4	21.4	21.3	47.0	-	59.2	41.5	61.6	31.2	37.0	-	33.7	19.3	24.1	106.7	77.7	-
29	36.0	16.3	20.4	26.0	42.6	-	58.7	45.0	68.7	28.6	36.9	-	38.0	16.9	32.9	91.3	92.2	-
30	40.6	15.4	19.4	29.0	40.0	-	58.1	45.2	77.0	29.4	37.0	-	39.6	16.0	40.2	76.6	98.6	-
31	45.6	-	18.7	27.7	-	-	57.5	-	63.5	30.1	-	-	40.4	-	40.8	69.6	-	-

Table E-5A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	50.9	9.9	18.8	25.4	17.2	18.1	109.7	63.3	62.0	32.5	29.9	62.1
2	47.9	9.4	19.2	27.5	16.1	-	102.9	56.3	61.7	32.5	28.6	-
3	46.3	9.2	19.5	29.4	15.3	-	93.0	54.8	61.1	34.5	35.8	-
4	45.0	8.9	19.6	31.0	14.8	-	89.8	51.2	60.6	34.5	41.5	-
5	43.2	8.6	19.7	32.3	14.4	-	91.8	50.3	57.6	34.3	42.6	-
6	42.5	8.4	19.9	33.0	12.2	-	92.1	63.1	44.3	30.7	43.0	-
7	41.6	8.1	20.1	32.8	11.4	-	80.9	58.1	43.6	29.3	43.7	-
8	40.6	8.0	24.1	30.3	11.1	-	91.5	56.5	45.0	28.1	44.7	-
9	39.4	7.8	28.5	28.2	11.0	-	89.0	60.8	41.9	27.3	46.1	-
10	38.2	7.7	32.4	27.6	10.6	-	85.8	59.8	42.0	26.7	47.7	-
11	36.2	7.6	34.6	28.4	11.5	-	82.7	63.2	34.3	26.1	49.0	-
12	32.5	7.4	35.7	28.8	12.1	-	86.2	70.0	29.2	25.6	53.1	-
13	31.1	7.1	36.6	28.9	12.4	-	82.3	69.4	28.3	19.7	56.2	-
14	30.5	7.0	37.7	29.0	12.6	-	78.8	56.6	35.5	16.7	58.3	-
15	29.6	6.9	38.3	29.8	12.5	-	92.0	53.9	40.5	13.7	60.4	-
16	28.8	8.0	32.8	27.1	12.5	-	92.3	57.2	42.5	12.9	62.9	-
17	27.9	8.6	34.0	27.5	12.6	-	92.8	55.9	42.1	13.6	61.8	-
18	23.5	9.0	33.0	27.7	12.6	-	94.5	54.4	43.0	13.8	64.9	-
19	21.5	10.8	27.6	28.0	11.3	-	96.4	51.8	45.5	15.8	67.9	-
20	16.5	13.0	23.2	31.6	10.7	-	98.6	50.4	44.9	17.0	70.0	-
21	13.4	14.6	21.1	34.6	10.7	-	99.3	48.8	44.8	17.5	72.3	-
22	12.2	17.1	17.8	36.1	10.3	-	84.1	55.1	38.6	19.1	74.5	-
23	11.1	19.2	15.6	39.8	12.5	-	83.2	58.7	38.9	19.7	75.3	-
24	10.3	17.0	14.0	42.3	13.3	-	83.4	57.6	40.2	18.9	76.4	-
25	11.5	17.0	11.6	36.5	13.5	-	74.6	48.4	45.1	18.3	76.3	-
26	11.3	17.5	13.0	32.7	14.0	-	85.6	46.9	49.3	19.1	76.1	-
27	11.5	17.7	14.7	29.9	14.7	-	70.0	45.3	50.6	19.6	64.4	-
28	11.3	18.1	16.2	28.7	15.5	-	62.7	43.7	52.5	24.3	61.8	-
29	10.7	18.7	16.9	28.3	16.3	-	62.6	51.6	42.9	26.8	61.7	-
30	10.2	18.5	16.9	21.2	17.2	-	62.6	59.5	35.7	28.1	61.8	-
31	10.2	-	22.3	18.6	-	-	62.9	-	33.0	29.2	-	-

Table E-5B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	41.3	73.1	26.1	37.2	35.9	41.2	46.5	103.2	74.6	82.8	37.6	53.2	28.0	70.7	35.8	69.9	122.7	109.2
2	39.4	65.1	29.1	38.9	33.8	-	48.2	87.8	96.1	68.0	39.7	-	25.9	81.3	34.7	76.3	121.0	-
3	45.1	60.6	33.3	40.1	32.9	-	55.7	87.7	93.7	56.3	41.8	-	25.3	77.9	30.2	75.2	115.1	-
4	48.0	64.8	32.5	41.1	32.8	-	68.9	90.3	97.4	52.8	48.4	-	31.9	78.4	30.2	71.8	132.5	-
5	48.5	71.4	30.4	42.3	30.1	-	76.9	90.9	100.7	50.3	57.0	-	37.8	71.6	31.6	67.7	173.1	-
6	47.6	74.9	28.8	48.0	35.7	-	77.8	90.2	104.3	48.4	61.5	-	40.3	66.6	33.1	66.2	195.2	-
7	39.7	74.4	27.9	51.9	41.5	-	78.5	75.0	107.2	44.3	63.7	-	42.2	64.8	32.7	68.4	208.9	-
8	33.4	75.4	27.2	45.5	44.1	-	94.6	67.3	116.3	38.0	67.1	-	43.1	66.7	31.2	69.6	236.8	-
9	30.0	74.9	32.3	41.1	35.1	-	106.3	65.7	137.7	32.4	70.2	-	43.3	60.1	29.5	71.2	203.5	-
10	28.4	74.3	38.0	49.3	29.6	-	109.1	64.1	161.7	30.4	72.6	-	49.7	57.6	28.3	70.4	167.5	-
11	27.8	73.7	41.4	57.6	26.5	-	111.5	62.6	171.8	28.7	74.7	-	52.5	57.4	35.4	75.9	148.6	-
12	27.4	71.8	43.6	65.4	25.2	-	114.1	60.8	182.5	27.4	76.8	-	53.4	57.4	42.3	79.4	165.9	-
13	27.5	63.7	37.8	70.9	24.9	-	116.9	59.1	152.6	26.4	67.3	-	53.9	57.1	47.8	78.6	170.1	-
14	35.3	58.3	33.4	76.7	27.7	-	149.5	66.8	124.0	30.1	64.7	-	54.8	56.4	50.9	81.7	138.0	-
15	42.0	53.1	31.0	81.5	29.2	-	168.5	74.5	105.9	31.4	76.9	-	56.2	63.7	41.3	107.1	126.8	-
16	47.4	50.2	29.8	71.8	31.8	-	181.9	75.1	101.2	31.5	87.0	-	62.0	71.1	33.9	122.7	120.5	-
17	49.6	38.3	35.2	63.7	35.1	-	161.7	67.7	99.5	24.9	81.7	-	67.0	73.8	30.7	135.1	115.6	-
18	58.8	29.8	41.1	58.3	37.8	-	146.6	62.0	123.3	25.1	80.4	-	70.2	76.4	29.0	147.2	111.6	-
19	58.1	24.3	44.9	55.3	40.4	-	145.0	59.6	132.4	25.7	83.9	-	71.0	77.4	27.9	159.7	91.0	-
20	60.9	21.1	47.1	54.6	43.8	-	145.5	54.3	136.0	25.1	84.4	-	71.7	80.5	26.5	176.1	82.4	-
21	65.6	19.7	47.8	55.4	48.2	-	157.0	43.9	139.1	24.7	71.1	-	71.6	83.3	29.7	175.3	84.5	-
22	67.3	18.6	47.4	55.9	51.6	-	163.6	43.0	135.1	29.3	64.9	-	71.2	85.2	33.7	176.5	90.7	-
23	69.1	18.3	46.6	56.0	55.2	-	151.9	42.2	132.4	32.3	63.1	-	70.7	74.3	36.3	181.1	93.9	-
24	68.9	18.4	45.9	55.6	58.4	-	139.4	39.4	131.7	33.4	51.0	-	62.5	65.6	38.4	191.3	92.0	-
25	67.7	18.5	45.6	55.0	61.6	-	127.6	39.1	129.1	36.6	44.5	-	57.8	60.7	39.4	200.9	90.4	-
26	66.6	19.0	44.2	42.2	64.7	-	122.9	38.1	147.5	39.7	42.3	-	52.9	56.7	40.4	207.2	90.6	-
27	65.8	24.4	44.1	35.0	66.7	-	119.3	37.1	158.7	41.8	47.9	-	51.2	53.7	41.8	216.7	91.3	-
28	65.5	30.4	42.0	31.2	54.3	-	117.4	43.6	133.2	36.1	54.7	-	52.7	41.8	42.0	176.5	98.2	-
29	56.3	28.8	40.1	37.2	46.4	-	116.7	47.6	146.2	33.2	55.9	-	58.3	36.1	53.9	145.6	120.0	-
30	62.8	27.5	38.1	43.6	43.5	-	115.7	58.4	133.8	33.9	54.8	-	62.2	34.1	68.2	124.0	129.0	-
31	68.7	-	37.1	40.4	-	-	113.9	-	106.3	35.6	-	-	63.4	-	69.2	111.8	-	-

Table E-5B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	76.8	13.7	37.3	48.2	33.1	19.7	184.0	136.4	159.0	47.5	46.4	96.2
2	72.4	13.3	37.9	52.0	30.8	-	153.4	119.7	158.3	47.0	46.6	-
3	69.8	13.1	38.0	55.7	29.2	-	139.0	98.7	156.8	47.4	57.9	-
4	67.6	12.8	38.0	59.0	28.1	-	156.3	86.3	155.8	46.7	67.4	-
5	65.1	12.4	38.3	60.9	21.7	-	169.8	83.9	154.4	45.3	71.5	-
6	63.7	12.0	39.0	60.0	18.3	-	158.9	101.8	123.8	37.5	74.2	-
7	61.8	11.7	51.8	57.0	16.6	-	138.0	99.1	126.3	35.3	75.4	-
8	60.1	11.4	65.0	52.6	16.1	-	153.5	105.4	113.7	33.9	77.2	-
9	58.4	11.2	79.3	48.2	16.0	-	157.7	110.6	106.9	32.8	79.5	-
10	56.6	11.1	91.4	46.9	17.7	-	154.7	92.7	106.1	32.1	82.1	-
11	49.7	10.9	98.3	47.4	19.1	-	162.5	95.8	83.7	31.5	84.4	-
12	44.9	10.6	101.5	48.0	20.0	-	170.5	108.5	69.2	30.4	90.9	-
13	42.9	10.3	104.0	48.1	20.5	-	158.5	108.1	67.8	23.8	95.9	-
14	42.0	10.0	106.9	48.3	20.7	-	151.2	87.5	83.6	19.0	99.7	-
15	40.7	11.9	90.0	49.0	20.6	-	177.7	94.1	86.6	15.7	97.6	-
16	39.5	13.8	78.2	47.3	20.5	-	184.3	97.2	91.3	17.3	103.9	-
17	31.3	15.1	75.7	46.7	20.7	-	190.0	94.1	93.2	19.4	101.3	-
18	25.3	19.4	61.1	46.8	16.9	-	196.0	89.3	95.1	21.5	104.8	-
19	22.5	24.2	49.7	57.0	14.8	-	199.7	84.3	97.4	26.0	111.9	-
20	18.2	29.1	42.6	64.6	13.7	-	203.4	81.1	97.2	28.3	106.3	-
21	14.2	33.4	38.3	71.8	11.6	-	204.6	98.9	78.0	29.8	106.6	-
22	12.6	42.8	29.9	88.3	11.0	-	178.7	112.6	73.1	31.9	110.7	-
23	11.4	38.1	25.5	98.1	13.6	-	168.0	122.4	75.9	33.5	111.8	-
24	13.7	31.4	23.0	104.7	14.8	-	165.1	105.7	77.4	30.5	113.0	-
25	16.1	33.5	17.8	87.5	15.2	-	159.9	89.5	91.7	29.8	113.0	-
26	15.8	34.3	20.1	77.7	15.7	-	177.4	85.7	100.4	30.7	112.6	-
27	16.0	34.7	22.4	71.1	16.5	-	153.5	82.9	104.3	31.6	100.2	-
28	15.8	35.4	24.8	68.3	17.3	-	136.9	108.0	79.8	37.3	95.8	-
29	15.1	36.5	25.9	55.3	18.2	-	134.9	131.2	63.4	41.1	95.6	-
30	14.3	36.7	31.4	42.0	19.0	-	134.9	151.1	53.0	43.1	95.7	-
31	14.1	-	40.8	35.7	-	-	135.7	-	48.6	44.9	-	-

Table E-6A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	22.3	38.1	14.0	22.5	20.1	31.8	28.3	61.2	38.9	54.1	22.5	34.9	16.0	37.0	16.9	31.7	79.6	79.8
2	21.3	35.2	13.5	23.3	18.9	-	26.4	51.3	49.3	48.8	24.0	-	14.7	41.6	17.1	31.7	79.9	-
3	23.6	32.7	15.5	24.0	18.2	-	30.6	52.3	43.6	39.7	25.3	-	14.2	37.1	16.9	36.7	75.9	-
4	25.4	31.2	16.9	24.7	18.4	-	37.2	53.7	46.6	37.2	26.5	-	17.1	37.5	14.1	35.3	85.1	-
5	26.3	34.5	15.9	25.0	18.2	-	41.2	54.0	48.4	35.3	31.2	-	20.3	35.7	15.0	33.4	112.3	-
6	25.7	36.3	15.0	26.2	21.5	-	41.7	53.7	50.2	33.9	34.3	-	22.8	33.0	15.9	32.5	121.9	-
7	25.4	36.3	14.5	28.8	24.9	-	42.0	51.2	51.7	32.8	35.6	-	24.0	31.5	16.1	33.9	128.8	-
8	21.6	37.1	13.9	30.3	27.4	-	44.1	44.7	52.6	32.2	37.4	-	24.5	31.5	15.9	35.1	147.8	-
9	19.4	37.0	14.0	27.1	26.9	-	50.5	43.7	54.4	27.3	39.4	-	24.5	28.1	15.2	35.9	159.3	-
10	18.4	36.9	16.5	26.0	22.4	-	51.9	42.5	64.6	25.4	41.1	-	27.9	26.7	14.6	35.7	130.9	-
11	17.9	36.7	18.3	30.5	19.5	-	53.1	41.3	69.0	23.8	42.6	-	30.3	26.4	14.5	37.6	114.9	-
12	17.6	36.4	19.6	34.9	18.6	-	54.5	40.1	73.7	22.5	44.0	-	30.8	26.5	18.0	39.4	127.1	-
13	17.3	30.9	20.1	37.2	17.8	-	55.9	35.0	69.9	21.6	45.5	-	31.1	26.4	20.8	38.2	128.6	-
14	19.9	28.4	17.7	40.0	20.3	-	70.8	37.1	61.8	20.7	42.7	-	31.2	25.8	22.8	38.6	111.1	-
15	24.1	25.9	16.3	42.4	22.0	-	78.6	41.1	53.0	22.0	50.0	-	32.2	25.9	23.7	47.6	103.6	-
16	27.8	24.0	15.5	44.4	22.2	-	85.9	41.6	50.2	22.4	57.0	-	32.3	28.7	19.4	54.2	98.3	-
17	30.3	23.4	15.1	39.2	24.8	-	91.6	41.0	49.5	18.1	51.1	-	35.4	30.0	17.5	60.1	94.3	-
18	30.1	18.1	17.8	35.9	26.7	-	78.6	37.6	59.6	19.5	48.9	-	37.2	30.7	16.5	65.6	91.0	-
19	30.2	14.6	19.5	33.9	28.5	-	76.9	36.1	62.6	20.2	52.1	-	37.9	31.5	16.0	71.2	74.1	-
20	32.0	12.6	20.6	33.3	30.7	-	77.8	34.5	64.2	19.7	52.8	-	37.7	31.7	15.7	91.9	68.2	-
21	35.4	11.7	21.0	33.6	34.0	-	80.2	28.3	66.2	19.2	53.6	-	37.7	32.4	15.2	88.8	64.2	-
22	36.6	11.5	21.0	33.9	36.4	-	83.5	27.9	64.2	18.9	48.1	-	37.5	33.2	17.5	89.2	69.8	-
23	36.2	11.2	20.6	34.1	38.9	-	77.6	27.4	62.8	21.1	46.3	-	37.2	33.7	19.0	89.3	72.4	-
24	36.3	11.2	20.3	33.9	41.1	-	75.2	25.3	62.4	22.1	36.5	-	37.1	29.6	20.9	94.2	70.8	-
25	35.7	11.3	20.1	33.6	43.5	-	70.3	24.7	62.1	24.2	32.1	-	34.0	27.3	21.8	99.3	69.3	-
26	35.0	11.3	20.0	27.7	45.8	-	67.7	24.1	71.8	25.6	30.3	-	31.0	25.5	22.3	105.2	69.0	-
27	34.6	11.5	23.3	22.4	47.5	-	65.5	23.3	78.7	26.9	29.1	-	29.4	24.1	22.5	109.4	69.4	-
28	34.2	14.5	22.4	19.5	41.0	-	64.3	28.1	64.9	22.7	33.1	-	29.6	18.7	22.9	105.4	70.7	-
29	32.3	15.3	21.5	21.4	35.9	-	63.6	31.3	71.2	20.4	34.9	-	33.0	15.7	25.0	90.4	85.6	-
30	32.4	14.7	20.5	24.3	33.6	-	62.9	31.8	80.8	20.5	35.7	-	35.8	14.6	30.7	76.2	92.1	-
31	35.5	-	19.5	22.4	-	-	62.1	-	68.1	21.1	-	-	36.7	-	31.5	68.2	-	-

Table E-6A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	40.5	8.3	20.9	24.0	14.7	13.6	85.3	74.4	64.0	29.3	23.1	52.3
2	38.3	8.0	21.5	26.0	13.7	-	78.0	63.2	64.2	29.1	23.6	-
3	36.9	7.7	21.9	27.7	13.0	-	74.0	59.4	63.3	28.7	28.3	-
4	35.9	7.5	21.9	29.4	12.5	-	73.4	52.2	63.2	28.8	33.3	-
5	35.0	7.3	22.1	30.6	12.2	-	79.3	48.9	62.3	28.5	35.6	-
6	34.3	7.1	22.2	31.0	10.1	-	80.2	59.5	48.8	24.2	36.2	-
7	33.5	6.9	22.7	29.9	9.0	-	69.9	56.5	48.5	22.8	36.9	-
8	32.6	6.7	28.5	28.2	8.7	-	79.2	53.4	49.8	21.8	37.9	-
9	31.6	6.6	34.5	25.5	8.6	-	79.7	57.4	46.4	21.0	39.1	-
10	30.5	6.5	40.5	24.2	8.5	-	76.7	57.5	45.9	20.4	40.5	-
11	28.4	6.4	44.5	23.9	9.2	-	73.6	60.9	35.7	19.9	41.9	-
12	25.4	6.3	46.8	24.2	9.6	-	78.7	70.0	29.1	19.5	46.6	-
13	23.9	6.1	48.0	24.4	9.9	-	73.7	69.8	27.7	15.3	50.1	-
14	23.3	6.0	49.0	24.6	10.0	-	69.8	55.5	33.7	12.6	52.4	-
15	22.4	5.8	49.9	25.3	10.0	-	83.1	52.0	39.3	10.2	54.6	-
16	21.8	6.8	42.7	25.7	9.9	-	84.3	55.6	41.1	9.1	56.5	-
17	21.1	7.5	38.7	25.2	10.0	-	84.4	54.8	42.0	10.4	56.5	-
18	17.1	8.0	37.6	25.3	10.0	-	86.6	50.8	42.8	11.2	52.2	-
19	15.0	10.1	30.5	25.4	8.7	-	88.5	47.6	43.5	13.2	54.9	-
20	14.1	12.2	25.6	28.9	8.0	-	90.5	45.4	43.7	14.7	56.7	-
21	11.2	14.0	23.0	32.3	7.8	-	91.3	43.7	43.6	15.0	55.5	-
22	10.1	17.9	18.0	34.3	7.2	-	88.9	49.8	37.4	16.4	57.1	-
23	9.1	20.7	15.4	38.8	8.8	-	85.0	54.5	38.0	16.8	57.8	-
24	8.4	17.6	13.9	41.7	9.8	-	85.1	55.2	38.6	15.3	58.7	-
25	9.7	18.6	10.8	34.7	10.2	-	75.4	45.6	45.7	14.8	58.7	-
26	9.3	19.0	11.9	30.2	10.6	-	85.9	43.8	50.6	15.1	58.7	-
27	9.7	19.2	13.2	27.1	11.1	-	84.0	42.2	53.5	15.8	54.9	-
28	9.8	19.3	14.8	25.1	11.7	-	74.0	40.6	54.5	17.8	51.9	-
29	9.5	19.8	15.9	24.2	12.4	-	73.3	50.4	42.5	20.0	51.8	-
30	9.1	20.5	16.3	18.8	13.1	-	73.3	58.8	34.6	21.2	52.0	-
31	8.6	-	20.4	15.8	-	-	73.7	-	30.4	22.2	-	-

Table E-6B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	30.7	52.7	17.9	27.4	24.7	35.0	32.4	75.8	57.5	77.4	31.0	46.9	21.2	58.9	30.2	51.4	93.5	94.7
2	29.1	49.1	19.4	27.8	22.9	-	30.5	64.5	73.3	62.8	33.0	-	19.5	66.8	30.3	52.4	95.3	-
3	32.0	45.6	22.3	28.7	21.9	-	34.8	64.6	73.2	50.4	34.9	-	18.8	66.0	26.7	52.8	92.4	-
4	34.5	48.5	22.0	29.5	21.7	-	42.2	66.3	76.6	46.3	40.3	-	23.0	66.6	25.3	50.0	102.7	-
5	35.8	54.1	20.6	30.1	20.8	-	48.1	67.7	78.2	43.6	48.3	-	27.8	64.4	26.2	47.7	132.8	-
6	35.4	57.7	19.5	32.4	24.0	-	49.2	67.3	81.5	41.7	52.7	-	30.6	58.9	27.6	45.7	156.0	-
7	30.6	58.8	18.8	36.0	28.1	-	49.5	58.1	84.1	39.6	53.8	-	32.7	55.9	28.0	46.6	165.1	-
8	25.5	59.6	18.2	36.6	31.2	-	57.3	50.6	88.5	35.5	56.5	-	33.7	55.7	27.3	48.2	188.2	-
9	22.3	59.6	18.8	32.8	29.9	-	65.9	48.9	101.7	30.0	59.5	-	34.4	51.9	25.8	49.2	181.9	-
10	21.2	59.3	22.2	32.5	24.6	-	68.7	47.4	121.5	28.0	62.0	-	38.2	49.3	24.4	54.0	149.1	-
11	20.6	58.9	24.8	38.3	21.4	-	70.6	46.0	130.0	26.2	64.1	-	41.6	48.6	24.5	57.0	129.1	-
12	20.2	58.4	26.6	44.1	20.3	-	72.5	44.5	138.9	24.8	66.2	-	42.5	48.6	30.2	60.4	138.0	-
13	20.0	49.1	25.6	47.5	19.6	-	74.5	43.5	122.0	23.7	61.2	-	42.9	48.9	34.7	59.4	144.0	-
14	24.8	44.7	22.6	51.0	22.1	-	91.0	45.5	104.8	25.5	57.2	-	43.2	48.4	37.8	60.1	122.2	-
15	30.1	40.7	20.8	54.2	24.2	-	105.4	50.9	89.0	27.4	66.6	-	44.2	52.9	32.7	75.1	109.5	-
16	34.7	37.7	19.7	51.4	26.4	-	114.7	52.2	83.1	27.8	76.7	-	48.8	59.4	26.5	88.8	103.9	-
17	37.5	31.8	21.2	45.7	29.4	-	122.3	51.9	81.2	22.4	70.8	-	53.6	63.5	23.2	98.5	99.5	-
18	42.7	24.8	24.6	41.3	31.7	-	106.3	47.9	97.9	22.3	67.7	-	56.7	65.3	21.6	108.2	95.9	-
19	43.1	19.9	27.5	38.6	33.9	-	103.4	45.8	110.0	23.1	71.1	-	58.2	67.0	20.5	118.2	79.1	-
20	44.9	16.8	29.5	37.4	37.0	-	101.6	42.9	113.1	22.8	72.4	-	58.6	68.6	19.6	133.5	70.4	-
21	49.0	15.2	30.4	37.4	40.8	-	106.3	34.6	116.2	22.2	66.2	-	59.0	71.6	21.0	132.4	69.0	-
22	51.8	14.5	30.6	37.7	43.9	-	110.3	33.6	113.5	24.2	58.2	-	58.6	73.9	24.3	131.9	74.5	-
23	52.3	14.0	30.1	37.9	47.0	-	101.7	33.0	110.3	27.7	55.3	-	58.1	68.3	26.7	133.3	78.2	-
24	52.7	14.0	29.7	37.8	49.9	-	96.9	30.8	109.5	29.4	45.0	-	52.0	58.5	28.9	137.3	76.9	-
25	51.9	14.0	29.4	37.6	52.7	-	87.1	29.9	108.6	31.2	38.4	-	48.2	53.5	30.6	144.2	75.4	-
26	51.0	14.0	29.2	30.3	55.4	-	84.2	29.2	126.0	34.1	36.3	-	44.1	49.7	31.5	149.3	75.5	-
27	50.3	15.6	32.2	24.6	57.6	-	81.5	28.3	137.9	35.6	40.5	-	41.6	47.0	32.6	154.9	76.1	-
28	49.8	19.6	31.1	21.4	47.3	-	79.9	33.5	116.4	30.7	46.1	-	41.5	37.2	33.2	133.3	79.7	-
29	42.6	19.6	29.8	24.7	39.8	-	79.1	37.4	125.6	27.6	48.9	-	47.0	31.3	40.5	113.7	98.0	-
30	44.6	18.7	28.4	29.1	37.1	-	78.3	46.2	116.5	27.4	48.3	-	51.1	28.9	49.8	96.2	106.2	-
31	49.0	-	27.2	27.3	-	-	77.1	-	98.1	28.9	-	-	52.4	-	50.7	84.9	-	-

Table E-6B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	52.3	10.6	26.8	32.4	22.6	13.0	133.8	122.6	110.0	32.1	33.3	76.0
2	49.0	10.2	27.4	35.2	21.0	-	122.5	106.4	111.8	31.6	34.2	-
3	47.0	10.0	27.6	37.6	19.8	-	115.2	89.9	110.5	31.3	40.8	-
4	45.5	9.8	27.7	39.9	19.0	-	123.7	77.5	109.4	31.4	48.8	-
5	43.8	9.5	28.0	41.5	15.9	-	135.6	73.5	107.8	30.8	53.6	-
6	42.7	9.1	28.4	42.1	12.8	-	134.7	87.5	86.0	26.4	54.9	-
7	41.4	8.8	33.8	41.5	11.2	-	117.3	86.3	82.6	24.2	56.4	-
8	40.2	8.6	42.8	39.4	10.8	-	130.0	84.4	80.4	23.0	57.9	-
9	39.0	8.4	52.2	35.7	10.6	-	136.6	91.8	73.6	22.2	59.7	-
10	37.8	8.2	61.7	33.7	10.4	-	132.4	81.4	71.3	21.7	61.9	-
11	33.5	8.1	68.4	33.3	11.2	-	135.4	82.1	56.7	21.2	63.9	-
12	29.8	8.0	72.0	33.7	11.8	-	142.6	94.0	45.8	20.8	70.0	-
13	27.9	7.7	73.7	33.9	12.2	-	132.7	95.4	43.0	16.5	74.8	-
14	27.2	7.5	75.5	34.1	12.3	-	126.3	79.2	51.6	13.3	78.1	-
15	26.3	7.9	71.7	34.8	12.3	-	144.0	81.9	53.2	10.7	74.6	-
16	25.5	9.2	62.1	34.3	12.3	-	153.5	87.5	55.6	11.3	76.4	-
17	24.6	10.2	57.8	33.5	12.3	-	156.1	85.7	57.5	13.0	76.6	-
18	20.2	12.8	47.8	33.5	10.7	-	162.0	81.0	58.1	14.5	77.8	-
19	17.6	16.3	38.3	38.4	9.1	-	165.2	76.0	59.1	17.2	82.5	-
20	14.8	19.7	32.2	44.8	8.2	-	168.9	72.2	59.6	19.3	80.0	-
21	11.9	23.1	28.4	50.5	7.7	-	170.1	82.7	49.9	20.8	81.9	-
22	10.4	28.9	22.8	55.5	7.1	-	155.7	97.2	42.6	22.7	84.9	-
23	9.4	28.1	19.1	63.4	8.4	-	145.3	107.1	42.1	23.8	86.2	-
24	10.4	24.1	17.1	68.4	9.5	-	144.5	98.3	42.4	22.0	86.7	-
25	11.9	24.5	13.7	58.0	9.9	-	144.0	80.7	49.2	21.4	86.8	-
26	11.8	24.9	14.8	50.5	10.2	-	160.2	75.9	54.9	21.7	86.7	-
27	11.9	25.3	16.4	45.3	10.8	-	141.7	73.0	58.3	22.6	80.2	-
28	12.0	25.5	18.3	42.3	11.3	-	124.4	70.2	59.7	25.7	75.7	-
29	11.7	26.1	19.6	38.5	11.9	-	121.4	86.6	46.8	28.8	75.3	-
30	11.2	26.5	21.1	29.9	12.5	-	121.1	100.9	38.4	30.6	75.6	-
31	10.9	-	26.7	24.5	-	-	121.8	-	33.8	32.0	-	-

Table E-7A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	17.6	22.0	9.0	13.7	13.5	19.8	19.9	49.8	27.7	52.3	16.6	24.5	11.6	28.0	14.4	23.9	51.3	69.5
2	16.7	21.8	8.7	13.7	12.4	-	18.5	43.9	36.4	43.8	17.8	-	10.6	32.1	14.5	24.0	52.3	-
3	17.3	20.3	9.9	14.1	11.8	-	20.0	40.5	37.7	35.1	18.8	-	10.0	34.8	14.1	27.4	51.0	-
4	18.8	19.1	11.1	14.5	11.6	-	24.7	41.3	39.1	32.4	19.9	-	10.2	34.9	11.9	26.0	56.1	-
5	19.9	21.3	10.4	14.8	11.7	-	28.6	42.4	39.4	30.2	24.1	-	12.5	34.2	12.4	24.8	72.7	-
6	19.9	23.0	9.9	15.0	11.7	-	29.4	42.2	41.1	28.7	27.2	-	14.4	31.2	13.1	23.7	85.4	-
7	19.6	23.7	9.5	16.6	13.8	-	29.5	40.1	42.6	27.5	27.9	-	15.6	29.4	13.5	23.4	91.0	-
8	16.0	24.0	9.2	17.8	15.9	-	30.9	34.5	43.7	26.7	29.2	-	16.1	28.9	13.3	24.1	108.4	-
9	13.8	24.1	9.1	16.1	16.6	-	35.8	32.7	46.4	22.3	31.0	-	16.5	28.2	12.6	24.6	117.6	-
10	12.9	24.0	10.6	15.1	13.6	-	37.8	31.4	56.5	20.6	32.8	-	17.4	26.6	11.8	25.6	96.1	-
11	12.4	23.8	12.1	17.7	11.5	-	39.2	30.0	61.0	19.0	34.3	-	19.2	25.8	11.2	27.9	81.5	-
12	12.0	23.5	13.4	20.6	10.4	-	40.7	28.6	66.1	17.7	35.7	-	20.1	25.7	13.6	29.5	79.0	-
13	11.8	23.2	14.2	22.8	9.9	-	42.3	25.5	71.0	16.7	37.3	-	20.3	25.7	16.3	29.3	82.8	-
14	11.6	19.9	13.3	24.7	10.4	-	47.1	26.4	62.1	15.8	34.2	-	20.4	25.4	18.4	28.8	80.5	-
15	14.3	18.0	11.9	26.5	11.6	-	54.9	29.8	51.9	17.2	34.9	-	20.9	25.5	19.7	30.8	74.2	-
16	16.9	16.4	11.1	27.9	12.3	-	60.9	31.0	47.4	17.8	40.6	-	21.1	29.0	16.0	35.8	70.0	-
17	19.2	15.5	10.6	25.0	13.7	-	66.4	30.5	46.4	14.1	38.2	-	23.6	31.6	13.6	40.2	66.9	-
18	19.8	12.1	12.1	22.5	14.8	-	60.3	27.9	56.7	13.9	36.1	-	25.4	32.4	12.5	44.6	64.5	-
19	19.6	9.6	13.6	20.8	15.9	-	58.5	26.6	63.3	14.6	37.3	-	26.5	33.7	11.8	49.1	52.2	-
20	20.3	8.1	14.7	19.9	17.0	-	56.8	25.3	65.1	14.5	38.3	-	26.6	34.0	11.4	64.4	47.0	-
21	22.3	7.1	15.4	19.8	18.8	-	58.8	20.0	67.6	14.0	38.9	-	26.8	35.7	10.7	63.6	43.9	-
22	23.8	6.7	15.6	19.9	20.5	-	70.7	19.4	66.1	13.7	33.7	-	26.6	37.1	12.3	63.0	45.0	-
23	24.2	6.5	15.4	20.0	22.1	-	66.7	19.1	64.0	15.8	31.2	-	26.3	37.8	13.7	64.8	47.9	-
24	24.4	6.4	15.2	19.9	23.8	-	64.6	17.5	63.3	17.2	27.2	-	26.0	32.0	14.7	66.2	47.4	-
25	24.1	6.4	15.0	19.7	25.5	-	59.6	16.8	63.1	17.0	22.5	-	24.4	28.9	15.8	69.9	46.3	-
26	23.6	6.4	14.8	19.4	27.4	-	57.4	16.4	72.9	18.5	21.0	-	22.1	26.6	16.3	74.6	46.7	-
27	23.2	6.5	14.5	15.6	28.8	-	55.3	15.7	81.8	19.0	20.0	-	20.6	24.9	16.6	78.2	47.3	-
28	22.8	7.9	14.4	13.1	27.3	-	53.9	18.2	72.6	17.9	23.2	-	20.0	19.9	17.0	83.0	48.5	-
29	22.3	9.7	13.9	12.8	22.7	-	52.7	20.8	70.0	15.7	25.1	-	23.8	16.1	17.1	72.0	60.9	-
30	18.8	9.4	13.4	14.9	21.0	-	51.9	22.1	77.8	15.0	25.4	-	26.2	14.0	21.1	62.5	66.1	-
31	20.2	-	12.8	14.7	-	-	51.0	-	67.6	15.5	-	-	27.5	-	23.3	54.4	-	-

Table E-7A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	35.6	5.8	13.2	17.4	11.4	7.4	93.0	68.0	65.8	20.9	16.1	39.7
2	33.1	5.5	13.6	19.0	10.5	-	83.6	60.6	68.9	20.4	16.7	-
3	31.3	5.3	14.0	20.4	9.8	-	75.8	54.7	68.3	20.0	17.4	-
4	30.1	5.2	14.2	21.6	9.3	-	76.7	46.4	67.4	20.1	21.1	-
5	29.2	5.0	14.3	22.6	9.0	-	85.2	44.2	66.3	19.7	23.9	-
6	28.5	4.8	14.5	23.1	7.1	-	84.3	52.3	52.5	16.4	24.7	-
7	27.8	4.6	15.0	23.3	6.1	-	73.3	51.4	51.1	14.8	25.7	-
8	26.9	4.4	18.9	22.5	5.6	-	82.3	48.3	51.8	13.9	26.6	-
9	26.1	4.2	23.4	20.8	5.4	-	86.6	52.7	46.9	13.3	27.7	-
10	25.3	4.1	28.1	19.2	5.3	-	84.1	54.6	44.7	12.8	29.1	-
11	23.9	4.0	32.3	18.3	5.4	-	80.7	50.6	38.1	12.4	30.4	-
12	20.9	3.9	35.9	18.3	5.7	-	87.6	58.8	30.0	12.0	33.1	-
13	19.0	3.8	37.8	18.4	6.0	-	80.2	60.6	27.1	10.7	36.4	-
14	18.1	3.6	39.1	18.6	6.1	-	75.2	54.7	28.6	8.5	38.7	-
15	17.4	3.5	40.0	19.0	6.1	-	78.3	49.3	34.0	6.6	40.7	-
16	16.7	3.9	36.2	19.5	6.1	-	81.7	54.1	35.4	5.5	42.2	-
17	16.0	4.4	31.9	18.8	6.0	-	81.7	53.6	36.8	6.3	43.3	-
18	13.1	4.8	31.0	18.8	6.1	-	84.6	50.6	37.1	7.0	37.4	-
19	11.1	6.2	24.6	18.8	5.1	-	86.5	47.3	37.7	8.4	39.8	-
20	10.3	7.5	20.4	22.2	4.5	-	88.3	44.6	38.2	9.6	40.5	-
21	8.1	8.9	17.7	25.3	4.2	-	89.1	42.6	38.0	10.1	40.2	-
22	7.2	11.3	14.2	27.9	3.8	-	89.5	50.3	31.1	11.4	40.7	-
23	6.4	13.6	11.6	32.1	4.2	-	82.6	55.8	29.9	11.7	41.5	-
24	5.8	11.8	10.3	35.4	5.1	-	81.9	58.6	30.0	11.1	42.2	-
25	6.4	11.6	8.3	31.0	5.5	-	70.7	48.8	33.4	10.5	42.5	-
26	6.5	11.9	8.1	26.8	5.6	-	77.7	45.3	38.0	10.5	42.7	-
27	6.6	12.1	8.9	23.6	6.0	-	79.7	43.0	41.3	10.8	42.5	-
28	6.8	12.2	9.8	21.2	6.3	-	69.6	40.6	43.1	11.5	39.5	-
29	6.7	12.3	10.8	19.9	6.7	-	67.2	49.4	34.1	13.3	39.1	-
30	6.5	12.7	11.4	15.5	7.1	-	66.8	58.4	27.2	14.5	39.3	-
31	6.1	-	14.2	12.4	-	-	67.3	-	22.8	15.3	-	-

Table E-7B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	20.8	32.1	9.3	15.2	16.1	23.9	24.8	67.0	39.1	65.2	19.7	34.6	13.4	37.1	17.3	29.4	71.6	80.9
2	19.8	31.1	9.2	15.2	14.8	-	23.1	57.9	50.4	52.8	21.1	-	12.3	42.1	17.4	29.8	76.3	-
3	21.0	29.2	10.2	15.5	14.0	-	25.4	56.5	51.2	42.0	22.5	-	11.6	42.3	16.1	31.1	76.0	-
4	22.8	28.6	11.0	15.9	13.6	-	30.8	58.2	52.3	36.4	25.6	-	13.5	42.8	14.3	30.2	80.9	-
5	24.1	31.0	10.7	16.3	13.6	-	36.0	59.9	53.3	33.8	31.1	-	16.3	42.6	14.3	28.9	102.4	-
6	24.3	33.7	10.2	16.6	14.6	-	38.5	60.4	55.0	31.9	35.4	-	18.5	39.7	15.0	27.6	127.7	-
7	22.3	35.3	9.7	18.2	17.3	-	38.9	53.8	57.0	30.3	36.8	-	20.1	37.1	15.6	26.9	137.3	-
8	18.4	35.8	9.4	19.6	19.9	-	43.6	45.1	58.9	28.4	38.5	-	21.0	36.0	15.5	27.7	157.3	-
9	15.7	36.0	9.3	18.1	20.9	-	51.8	41.6	64.6	23.6	40.7	-	21.6	34.7	14.8	28.4	170.5	-
10	14.3	35.9	10.6	17.0	17.3	-	56.3	40.0	78.9	21.7	43.0	-	23.0	32.4	13.9	29.4	141.2	-
11	13.6	35.6	12.2	19.7	14.7	-	58.4	38.4	86.1	20.1	44.9	-	25.5	31.3	13.3	31.7	120.1	-
12	13.3	35.3	13.4	22.9	13.3	-	60.5	36.7	92.9	18.8	46.7	-	26.8	31.2	16.1	33.5	121.4	-
13	13.0	29.2	14.1	25.6	12.7	-	62.9	33.6	87.9	17.7	45.4	-	27.2	31.1	19.2	33.9	128.9	-
14	15.3	25.6	13.0	27.6	13.8	-	76.9	34.0	76.3	18.1	42.1	-	27.4	30.7	21.7	33.5	110.5	-
15	18.8	23.1	11.7	29.6	15.4	-	92.0	38.1	64.3	19.5	47.1	-	27.9	30.8	22.3	40.6	96.7	-
16	22.2	21.1	10.9	31.2	16.9	-	101.5	40.5	57.5	20.2	55.4	-	29.4	34.6	18.4	49.4	91.3	-
17	24.9	19.9	10.4	28.3	19.1	-	110.1	40.0	56.0	16.3	54.4	-	32.6	38.0	15.5	55.9	87.1	-
18	25.9	15.7	11.7	25.5	20.9	-	98.7	36.8	67.9	15.1	50.7	-	35.0	39.8	14.0	62.5	83.8	-
19	25.8	12.3	13.2	23.4	22.6	-	94.9	34.8	79.3	15.8	51.4	-	36.5	41.2	13.1	69.5	69.1	-
20	26.4	10.1	14.5	22.2	24.4	-	91.8	32.8	82.8	15.9	53.5	-	36.9	42.1	12.4	87.7	59.8	-
21	28.2	8.7	15.3	21.8	27.2	-	94.4	26.1	85.7	15.4	53.1	-	37.0	43.9	12.0	92.3	56.1	-
22	30.6	7.9	15.7	21.8	29.9	-	100.0	24.9	84.3	15.4	46.4	-	36.8	45.7	13.5	90.7	59.4	-
23	31.9	7.6	15.6	21.9	32.4	-	90.9	24.4	81.7	17.7	42.7	-	36.3	44.8	15.2	92.8	63.4	-
24	32.2	7.5	15.4	22.0	34.9	-	88.3	22.8	80.6	19.4	34.5	-	34.3	38.4	16.5	95.3	63.0	-
25	31.9	7.5	15.1	21.9	37.2	-	79.3	21.5	80.3	21.2	28.5	-	32.3	34.0	17.9	100.4	61.7	-
26	31.3	7.5	15.0	19.1	39.5	-	76.9	20.9	91.4	23.2	26.5	-	29.6	31.2	18.6	106.9	61.8	-
27	30.7	7.5	16.8	15.4	41.4	-	74.0	20.1	103.1	23.9	28.5	-	27.3	29.3	19.0	112.0	62.3	-
28	30.2	9.3	16.6	13.1	34.0	-	72.1	23.4	91.1	21.3	32.7	-	26.2	23.3	19.4	104.4	64.3	-
29	28.1	9.9	16.1	14.8	27.8	-	70.7	26.8	92.9	18.8	35.6	-	30.0	18.9	22.2	90.2	79.6	-
30	27.5	9.6	15.4	17.5	25.5	-	69.7	31.3	93.4	17.7	35.9	-	33.1	16.5	27.2	77.7	87.3	-
31	29.6	-	14.8	17.3	-	-	68.5	-	82.3	18.2	-	-	35.0	-	28.6	67.7	-	-

Table E-7B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	42.8	6.2	14.4	16.6	13.2	7.5	122.7	100.3	93.4	22.4	20.3	56.4
2	39.7	5.9	14.8	18.6	12.1	-	111.2	88.7	98.9	21.4	21.2	-
3	37.9	5.6	15.2	20.1	11.3	-	102.5	74.8	99.3	21.0	24.3	-
4	36.5	5.4	15.4	21.4	10.7	-	106.8	62.5	97.7	21.0	30.0	-
5	35.0	5.2	15.6	22.5	9.7	-	119.4	57.7	95.8	20.7	34.6	-
6	33.7	5.0	15.9	23.6	7.7	-	121.0	67.4	76.5	17.4	36.4	-
7	32.7	4.8	16.9	24.0	6.5	-	105.7	68.7	71.7	15.4	38.0	-
8	31.4	4.6	21.0	23.5	5.9	-	115.8	65.3	71.4	14.4	39.3	-
9	30.4	4.4	26.1	21.9	5.7	-	124.4	71.5	64.8	13.8	40.9	-
10	29.4	4.3	31.4	20.2	5.6	-	120.2	70.1	61.1	13.3	42.9	-
11	27.4	4.2	36.3	19.3	5.8	-	116.7	68.4	49.6	12.9	44.8	-
12	24.0	4.1	40.1	19.3	6.2	-	122.4	78.7	39.1	12.5	49.0	-
13	21.9	3.9	42.1	19.5	6.4	-	114.8	83.6	34.4	10.2	53.5	-
14	20.9	3.8	43.3	19.7	6.5	-	109.5	69.7	39.7	8.1	56.8	-
15	20.1	3.7	44.1	20.2	6.5	-	123.6	66.7	42.4	6.4	52.0	-
16	19.4	4.2	39.1	20.6	6.5	-	135.0	71.9	44.1	6.2	53.6	-
17	18.6	4.7	34.9	20.2	6.5	-	136.5	71.7	45.8	6.9	55.0	-
18	15.3	5.5	30.8	20.1	6.0	-	141.0	69.1	46.7	7.7	55.3	-
19	12.8	7.0	25.0	21.7	5.1	-	143.6	64.4	47.4	9.0	58.9	-
20	10.8	8.7	20.4	25.7	4.5	-	146.5	60.3	48.0	10.5	59.4	-
21	8.5	10.4	17.3	29.7	4.1	-	148.0	63.4	43.1	11.4	60.3	-
22	7.2	13.0	14.0	33.3	3.8	-	138.6	73.7	35.6	12.9	62.2	-
23	6.3	14.6	11.3	38.2	4.3	-	126.4	82.6	33.3	13.6	63.4	-
24	6.2	13.1	9.8	42.6	5.1	-	124.9	86.1	33.2	13.2	64.5	-
25	6.9	12.8	7.9	37.6	5.5	-	113.2	72.2	36.0	12.5	64.7	-
26	7.0	13.1	7.7	32.6	5.7	-	123.5	64.1	41.0	12.4	65.0	-
27	7.0	13.3	8.4	28.7	6.0	-	121.8	60.7	44.8	12.8	61.0	-
28	7.2	13.4	9.3	25.9	6.3	-	105.4	57.7	46.7	14.4	56.6	-
29	7.1	13.6	10.1	24.4	6.7	-	99.2	70.2	37.0	16.6	55.6	-
30	6.9	14.1	10.6	18.9	7.1	-	98.8	83.0	29.7	18.1	55.9	-
31	6.5	-	13.3	14.8	-	-	99.4	-	24.9	19.2	-	-

Table E-8A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	13.4	14.7	6.1	7.5	10.5	16.1	15.8	40.4	19.5	46.1	11.2	19.8	9.7	20.0	11.0	16.8	42.8	57.5
2	13.3	15.6	5.9	7.5	9.7	-	14.8	38.7	25.0	37.5	12.0	-	9.4	22.0	11.2	17.1	47.1	-
3	12.9	15.0	6.3	7.6	9.1	-	14.4	33.4	30.1	29.4	12.9	-	8.7	24.8	11.0	18.2	47.3	-
4	13.6	14.2	7.1	7.8	8.8	-	16.7	34.2	31.0	25.8	13.8	-	8.3	25.8	9.3	17.8	47.6	-
5	14.4	14.9	6.9	7.9	8.9	-	19.8	35.3	31.1	23.7	17.1	-	9.9	25.8	9.2	17.0	58.7	-
6	14.9	16.2	6.6	8.1	8.8	-	21.2	35.6	31.9	22.3	19.6	-	11.6	24.1	9.6	16.3	72.7	-
7	14.6	17.1	6.4	8.5	10.3	-	21.5	34.3	33.2	21.1	20.9	-	12.6	22.5	10.0	15.7	79.2	-
8	12.2	17.4	6.2	9.2	12.1	-	22.2	28.5	34.2	19.4	21.9	-	13.2	21.6	10.1	15.8	89.5	-
9	10.2	17.4	6.1	9.1	13.3	-	26.6	25.7	37.7	16.1	23.2	-	13.6	21.5	9.9	16.2	97.3	-
10	9.2	17.2	6.5	8.5	12.0	-	29.3	24.5	46.5	14.7	24.6	-	13.8	20.1	9.4	17.0	83.0	-
11	8.7	17.0	7.4	9.3	10.3	-	30.6	23.4	51.1	13.5	25.8	-	15.1	19.2	8.9	19.7	69.8	-
12	8.4	16.8	8.2	10.9	9.2	-	31.9	22.3	55.3	12.5	26.7	-	16.3	18.9	9.7	21.3	62.9	-
13	8.3	16.7	8.7	12.3	8.6	-	33.3	21.2	59.1	11.9	28.0	-	16.7	19.1	11.4	21.9	66.2	-
14	8.2	14.5	8.6	13.5	8.4	-	35.2	20.6	53.0	11.2	26.5	-	16.7	20.1	12.5	21.8	65.0	-
15	9.7	12.8	8.1	14.5	9.2	-	42.2	23.2	44.3	11.7	25.3	-	16.7	20.1	13.3	22.6	58.2	-
16	11.4	11.6	7.5	15.3	10.1	-	45.8	24.9	38.7	12.3	29.8	-	17.0	23.2	11.4	26.6	54.8	-
17	13.0	10.7	7.1	14.9	11.5	-	49.8	24.7	37.3	9.8	32.0	-	18.1	25.8	9.5	30.2	52.1	-
18	14.0	9.2	7.3	13.5	12.6	-	51.1	22.4	45.9	8.3	29.7	-	19.6	27.5	8.4	33.3	50.0	-
19	13.6	7.5	7.9	12.4	13.6	-	50.2	21.3	53.6	8.8	30.0	-	20.5	28.6	8.0	37.2	42.4	-
20	13.8	6.1	8.7	11.7	14.7	-	48.1	20.1	55.8	8.8	31.3	-	20.7	29.3	7.6	47.2	37.1	-
21	14.7	5.2	9.2	11.4	16.3	-	49.5	15.5	58.2	8.6	31.9	-	20.1	30.4	7.1	50.7	34.5	-
22	16.1	4.7	9.4	11.3	18.2	-	60.7	14.8	57.5	8.3	28.0	-	19.9	31.7	7.8	50.0	35.3	-
23	16.9	4.6	9.1	11.3	19.8	-	56.0	14.5	55.6	9.5	25.2	-	19.6	32.6	8.7	50.8	38.1	-
24	17.2	4.6	8.8	11.3	21.4	-	54.4	13.7	54.6	10.6	22.5	-	19.4	27.7	9.6	52.5	38.7	-
25	17.1	4.6	8.6	11.3	22.6	-	47.8	12.8	54.4	11.0	18.1	-	18.9	24.2	10.4	55.0	37.9	-
26	16.8	4.6	8.4	11.5	24.1	-	46.6	12.3	58.8	12.1	16.9	-	17.5	22.1	10.9	59.1	37.7	-
27	16.5	4.7	8.1	10.0	23.8	-	44.7	11.8	67.3	12.4	15.9	-	16.0	20.5	11.2	62.7	37.1	-
28	16.2	5.2	8.5	9.1	23.3	-	43.3	12.5	67.0	12.9	18.1	-	15.1	17.9	11.5	66.6	38.3	-
29	15.7	6.3	8.2	8.5	18.7	-	42.3	14.5	57.9	11.3	20.2	-	16.1	14.4	11.6	61.4	48.8	-
30	13.7	6.3	8.0	10.1	17.1	-	41.5	16.0	62.2	10.3	20.5	-	18.1	12.3	13.2	54.0	53.4	-
31	14.0	-	7.7	10.9	-	-	40.8	-	56.9	10.4	-	-	19.7	-	16.0	47.2	-	-

Table E-8A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	29.1	4.8	8.6	9.6	8.7	4.0	95.4	59.0	51.7	13.4	11.7	33.8
2	27.1	4.5	8.9	10.7	8.0	-	87.2	57.3	56.4	12.7	12.3	-
3	25.8	4.2	9.2	11.6	7.4	-	72.5	50.8	57.4	12.4	12.9	-
4	24.7	4.1	9.5	12.4	7.0	-	72.4	43.2	55.3	12.3	16.0	-
5	23.9	3.8	9.6	13.0	6.6	-	81.1	40.4	54.1	12.1	18.8	-
6	23.7	3.6	9.8	13.6	5.3	-	81.0	44.4	45.3	10.7	20.2	-
7	23.0	3.4	10.0	14.4	4.3	-	69.2	47.0	40.1	9.2	21.2	-
8	22.0	3.2	12.0	14.4	3.8	-	73.1	45.0	39.8	8.6	22.1	-
9	21.1	3.1	14.8	13.8	3.5	-	78.9	49.2	36.2	8.1	23.2	-
10	20.4	3.0	17.9	12.9	3.4	-	76.2	51.7	33.6	7.7	24.3	-
11	19.6	2.9	21.0	12.2	3.4	-	73.3	41.5	32.6	7.5	25.5	-
12	17.2	2.9	23.5	11.9	3.5	-	78.5	48.2	25.2	7.3	27.1	-
13	15.5	2.8	25.1	11.7	3.6	-	71.6	52.4	21.4	7.1	29.9	-
14	14.6	2.7	26.1	11.8	3.7	-	67.6	51.7	20.7	5.5	32.4	-
15	14.3	2.6	26.5	12.0	3.7	-	64.8	44.5	24.4	4.4	34.3	-
16	13.7	2.6	26.2	12.4	3.7	-	70.9	47.6	25.5	3.5	35.1	-
17	13.1	2.9	23.5	12.3	3.6	-	70.7	47.3	26.5	3.8	36.2	-
18	11.8	3.1	21.9	12.1	3.6	-	73.3	46.1	27.1	4.2	32.9	-
19	9.8	3.9	18.1	12.2	3.1	-	74.3	43.1	27.4	4.9	35.0	-
20	8.6	4.8	14.7	14.5	2.7	-	75.7	40.2	27.8	5.7	35.1	-
21	6.8	5.8	12.4	16.9	2.4	-	76.1	37.9	27.8	6.3	36.2	-
22	5.8	6.9	10.5	19.2	2.2	-	76.5	43.7	22.8	7.1	35.6	-
23	5.1	8.6	8.3	21.7	2.2	-	69.8	49.2	20.3	7.6	36.5	-
24	4.5	8.1	7.1	24.4	2.6	-	68.9	52.9	20.0	7.8	37.3	-
25	4.9	7.2	6.3	24.6	2.9	-	62.6	44.6	20.1	7.4	37.5	-
26	5.2	7.3	5.3	21.7	3.0	-	68.4	39.3	22.6	7.3	37.7	-
27	5.2	7.5	5.5	19.1	3.1	-	73.8	36.9	25.1	7.4	36.9	-
28	5.4	7.6	5.9	17.0	3.3	-	63.5	34.8	26.9	7.9	34.0	-
29	5.5	7.7	6.4	15.5	3.6	-	58.4	38.6	23.7	9.2	33.0	-
30	5.4	8.3	6.4	12.8	3.8	-	57.9	45.9	18.8	10.4	33.3	-
31	5.1	-	7.6	9.9	-	-	58.1	-	15.4	11.1	-	-

Table E-8B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	16.7	21.0	7.4	8.7	12.8	17.5	20.1	58.6	26.9	58.0	12.2	24.6	10.1	23.6	12.6	17.2	60.5	67.7
2	16.2	21.5	7.2	8.7	12.1	-	18.7	52.2	34.3	46.5	13.1	-	9.4	26.2	12.6	17.7	66.4	-
3	16.3	20.7	7.5	8.7	11.4	-	19.6	50.2	36.5	36.9	14.1	-	8.7	27.0	12.2	18.5	68.4	-
4	17.2	19.6	8.3	8.9	11.2	-	23.2	50.8	37.1	30.6	15.2	-	9.2	27.7	10.6	18.4	69.6	-
5	18.1	20.2	8.5	9.0	11.3	-	27.5	52.2	37.9	28.2	18.7	-	10.8	28.0	10.1	17.7	85.0	-
6	18.4	21.5	8.2	9.2	11.5	-	30.5	53.4	37.7	26.5	21.6	-	12.6	27.2	10.3	17.0	107.7	-
7	18.3	22.6	7.9	9.5	13.4	-	31.7	50.7	38.8	25.1	23.4	-	13.8	25.3	10.7	16.3	119.0	-
8	15.5	23.0	7.7	10.2	15.7	-	33.6	43.1	39.8	23.3	24.5	-	14.7	24.1	11.0	16.3	136.6	-
9	13.1	22.7	7.7	10.1	17.3	-	39.6	38.5	42.6	19.3	25.9	-	15.2	23.7	10.8	16.7	147.5	-
10	11.8	22.3	8.1	9.5	15.3	-	44.1	36.6	52.3	17.2	27.4	-	15.5	22.4	10.2	17.6	125.1	-
11	11.1	21.9	9.2	10.6	13.0	-	46.4	34.7	59.2	15.8	28.8	-	16.7	21.4	9.8	19.8	105.2	-
12	10.9	21.8	10.0	12.4	11.5	-	48.2	33.1	63.6	14.7	30.1	-	17.7	21.3	10.9	21.4	100.7	-
13	10.7	20.5	10.6	14.1	10.7	-	50.5	27.5	67.0	13.7	31.2	-	18.1	21.3	13.0	22.2	106.0	-
14	11.2	17.5	10.4	15.4	11.1	-	61.4	26.4	60.1	13.1	29.5	-	18.2	21.5	14.7	22.2	91.8	-
15	13.3	15.5	9.7	16.5	12.2	-	74.7	29.5	50.7	13.8	31.8	-	18.3	21.6	16.0	26.1	78.7	-
16	15.8	14.1	9.0	17.4	13.3	-	82.7	31.9	44.2	14.4	37.2	-	18.5	24.6	13.7	31.9	74.0	-
17	18.0	13.1	8.5	16.7	15.1	-	90.0	32.0	42.0	11.8	39.9	-	20.0	27.5	11.5	36.2	70.5	-
18	19.3	10.9	8.9	15.3	16.8	-	85.8	29.5	50.5	10.2	37.7	-	21.5	29.8	10.0	40.7	67.6	-
19	18.9	8.7	9.7	14.1	18.1	-	83.3	27.6	60.2	10.2	37.2	-	22.4	31.3	9.1	45.7	56.5	-
20	18.9	7.1	10.6	13.3	19.3	-	80.4	26.1	65.2	10.3	38.6	-	22.5	32.4	8.6	58.8	47.7	-
21	19.7	6.0	11.2	13.1	21.2	-	81.1	20.6	67.6	10.1	39.5	-	22.0	33.3	8.2	67.2	44.4	-
22	21.2	5.5	11.1	12.9	23.4	-	88.3	19.2	67.3	9.8	35.5	-	21.7	34.4	8.6	67.2	45.2	-
23	22.6	5.4	10.7	13.0	25.4	-	81.0	18.6	65.4	10.9	32.0	-	21.2	35.3	9.6	68.3	48.5	-
24	23.2	5.5	10.2	12.9	27.2	-	78.2	17.7	63.9	12.3	26.8	-	20.9	30.6	10.5	70.9	49.4	-
25	23.1	5.5	9.9	13.0	29.0	-	70.1	16.5	63.4	13.4	21.7	-	20.5	26.6	11.3	74.5	48.4	-
26	22.8	5.5	9.7	12.7	30.8	-	68.0	15.8	69.8	14.8	19.5	-	19.2	24.3	11.9	79.9	48.0	-
27	22.3	5.7	9.5	10.8	30.9	-	65.4	15.3	79.2	15.4	19.4	-	17.6	22.9	12.0	85.4	48.2	-
28	21.7	6.6	9.6	9.6	25.9	-	63.4	17.0	74.6	14.4	22.0	-	16.5	19.0	12.1	88.8	49.6	-
29	21.0	7.6	9.4	10.5	20.9	-	62.1	19.7	71.7	12.6	24.6	-	18.5	15.2	12.5	79.7	61.5	-
30	18.9	7.6	9.1	12.4	18.8	-	61.0	21.8	76.3	11.5	25.4	-	20.8	12.8	14.9	70.2	68.1	-
31	19.6	-	8.7	13.2	-	-	59.9	-	70.0	11.3	-	-	22.6	-	16.5	61.8	-	-

Table E-8B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	34.5	4.9	9.2	10.1	8.7	4.6	104.4	86.3	67.6	15.9	12.6	43.2
2	32.0	4.7	9.5	11.7	7.9	-	95.4	77.8	73.9	14.6	13.3	-
3	30.5	4.4	9.8	12.7	7.3	-	86.5	67.1	76.6	14.1	14.5	-
4	29.4	4.2	10.0	13.5	6.9	-	85.6	55.9	76.2	13.9	17.6	-
5	28.5	4.0	10.2	14.2	6.5	-	95.6	49.7	74.6	13.7	21.0	-
6	27.4	3.8	10.4	15.0	5.4	-	100.1	55.7	61.5	11.9	23.1	-
7	26.7	3.6	10.6	15.8	4.4	-	87.3	58.7	55.1	10.2	24.3	-
8	25.5	3.5	12.2	16.0	3.8	-	92.5	56.9	54.0	9.3	25.4	-
9	24.8	3.3	14.9	15.5	3.6	-	100.8	59.6	50.3	8.8	26.7	-
10	24.0	3.2	17.7	14.6	3.4	-	99.7	62.6	46.6	8.4	28.1	-
11	23.1	3.1	20.6	13.7	3.4	-	94.5	57.8	39.8	8.2	29.5	-
12	20.7	3.1	23.1	13.4	3.6	-	98.8	65.4	31.0	7.9	31.7	-
13	18.8	3.0	24.6	13.4	3.7	-	94.8	72.3	25.9	6.9	34.9	-
14	17.7	2.9	25.4	13.6	3.8	-	90.7	62.0	27.1	5.5	37.5	-
15	17.0	2.8	25.8	13.8	3.8	-	100.9	52.8	31.5	4.4	38.1	-
16	16.5	2.9	24.5	14.3	3.7	-	112.6	56.3	32.9	3.7	39.3	-
17	15.9	3.2	22.1	14.3	3.7	-	112.9	56.6	34.3	3.8	40.7	-
18	13.6	3.4	20.6	14.3	3.7	-	116.6	55.5	35.3	4.2	40.3	-
19	11.4	4.2	17.2	14.4	3.2	-	118.4	52.3	35.9	4.8	42.9	-
20	9.9	5.1	14.1	16.7	2.8	-	120.7	48.8	36.4	5.7	43.8	-
21	7.9	6.0	11.8	19.4	2.5	-	121.6	46.4	36.0	6.4	45.1	-
22	6.5	7.2	9.8	22.1	2.3	-	118.3	52.0	30.2	7.4	46.4	-
23	5.8	9.0	7.7	24.8	2.5	-	108.0	58.7	26.6	8.1	47.4	-
24	5.2	8.8	6.5	27.5	2.9	-	104.7	63.5	25.7	8.2	48.4	-
25	5.4	8.1	5.7	26.6	3.3	-	95.1	55.6	25.8	7.9	48.7	-
26	5.5	8.2	5.1	23.4	3.4	-	100.5	48.3	28.5	7.8	49.0	-
27	5.4	8.3	5.3	20.5	3.6	-	108.6	45.4	31.5	7.9	47.8	-
28	5.6	8.4	5.7	18.3	3.8	-	95.1	42.9	33.5	8.6	44.4	-
29	5.7	8.6	6.2	16.8	4.1	-	87.1	49.9	27.9	9.9	42.8	-
30	5.5	8.9	6.5	13.3	4.3	-	85.8	59.2	22.3	11.0	42.9	-
31	5.2	-	8.0	10.2	-	-	86.2	-	18.3	11.9	-	-

Table E-9A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	5.9	4.9	1.9	1.9	4.4	7.0	8.7	28.3	8.1	26.0	3.9	9.9	3.6	7.1	4.8	4.0	23.3	36.1
2	5.9	5.2	1.9	1.9	4.3	-	8.2	27.7	10.0	21.1	4.2	-	3.5	7.5	4.4	4.2	24.7	-
3	5.8	5.4	1.8	1.8	4.1	-	7.7	25.1	12.7	17.0	4.5	-	3.3	8.2	4.3	4.4	26.9	-
4	5.7	5.3	1.9	1.8	4.0	-	8.1	24.9	12.9	13.6	4.9	-	3.1	8.9	4.0	4.6	27.6	-
5	5.9	5.1	2.1	1.8	4.0	-	9.7	25.4	13.1	11.9	6.0	-	3.2	9.4	3.4	4.5	31.0	-
6	6.1	5.2	2.2	1.9	4.1	-	11.2	26.3	12.8	10.9	7.2	-	3.6	9.5	3.3	4.3	39.7	-
7	6.1	5.3	2.1	1.9	4.5	-	12.1	26.3	12.8	10.2	8.2	-	4.1	9.1	3.3	4.2	45.2	-
8	5.9	5.5	2.1	1.9	5.2	-	12.7	23.1	13.1	9.5	9.0	-	4.5	8.7	3.4	4.0	50.9	-
9	4.9	5.5	2.1	2.0	6.0	-	14.6	19.6	13.7	7.7	9.6	-	4.7	8.3	3.5	4.0	58.3	-
10	4.2	5.4	2.1	2.0	6.6	-	17.0	17.7	16.8	6.4	10.3	-	4.8	8.1	3.5	4.1	59.8	-
11	3.8	5.4	2.1	2.0	6.1	-	18.7	16.5	20.3	5.8	11.0	-	4.9	7.7	3.3	4.6	50.4	-
12	3.5	5.3	2.3	2.3	5.3	-	19.8	15.5	22.5	5.3	11.6	-	5.2	7.4	3.2	5.5	43.1	-
13	3.4	5.2	2.4	2.7	4.7	-	20.8	14.5	24.4	4.8	12.2	-	5.5	7.3	3.4	6.3	42.7	-
14	3.3	5.2	2.5	3.2	4.4	-	22.2	11.5	25.4	4.5	12.7	-	5.6	7.3	3.8	6.7	43.5	-
15	3.3	4.6	2.5	3.5	4.3	-	28.3	12.0	22.6	4.2	12.4	-	5.6	7.5	4.2	6.8	36.3	-
16	3.8	4.1	2.4	3.7	4.7	-	32.2	13.3	19.0	4.3	14.2	-	5.6	8.0	4.3	8.3	33.7	-
17	4.3	3.7	2.2	3.9	5.3	-	35.8	14.0	17.0	4.1	16.5	-	5.5	9.4	3.7	9.4	31.8	-
18	4.8	3.5	2.1	3.8	6.0	-	38.8	13.4	17.7	3.3	16.8	-	5.8	10.6	3.1	10.7	30.3	-
19	5.0	2.9	2.2	3.6	6.6	-	39.6	12.4	21.6	3.0	16.1	-	6.1	11.6	2.7	12.1	28.4	-
20	4.8	2.3	2.3	3.4	7.1	-	38.9	11.6	24.7	3.0	16.3	-	6.2	12.3	2.5	14.0	23.3	-
21	4.8	1.9	2.4	3.3	7.7	-	38.2	8.9	25.9	3.0	16.8	-	6.2	12.7	2.3	18.4	21.3	-
22	5.0	1.7	2.5	3.2	8.5	-	47.4	7.9	26.2	3.0	16.9	-	6.1	13.2	2.2	19.7	20.0	-
23	5.4	1.6	2.4	3.2	9.4	-	43.3	7.5	25.7	2.9	15.1	-	6.0	13.5	2.4	20.5	21.1	-
24	5.7	1.5	2.3	3.2	10.2	-	41.7	7.3	25.0	3.3	13.7	-	5.9	12.9	2.6	21.5	22.4	-
25	5.9	1.5	2.2	3.2	10.9	-	35.5	6.7	24.6	3.6	10.7	-	6.1	10.9	2.8	22.7	22.5	-
26	5.9	1.5	2.1	3.2	11.5	-	34.5	6.3	24.6	4.2	8.8	-	6.2	9.6	2.9	24.4	22.1	-
27	5.8	1.6	2.0	3.2	11.9	-	33.1	6.0	27.0	4.6	7.8	-	5.9	8.8	3.0	26.6	22.0	-
28	5.7	1.6	2.0	3.1	11.5	-	31.8	5.7	30.2	4.8	7.9	-	5.5	8.4	3.0	28.9	22.5	-
29	5.5	1.7	2.0	3.0	9.0	-	30.7	6.3	28.6	4.6	9.1	-	5.1	6.9	3.0	30.5	29.1	-
30	5.3	1.9	2.0	3.6	7.6	-	29.8	7.2	27.5	4.1	9.9	-	5.7	5.6	3.1	28.6	32.9	-
31	4.8	-	1.9	4.1	-	-	29.1	-	28.7	3.8	-	-	6.4	-	3.5	26.0	-	-

Table E-9A. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	15.4	1.9	2.8	2.3	3.3	1.2	68.3	45.6	22.7	5.9	3.8	18.3
2	14.2	1.7	2.9	2.8	2.8	-	64.1	45.6	25.6	5.2	4.1	-
3	13.3	1.6	3.1	3.2	2.6	-	58.0	40.5	27.7	4.8	4.3	-
4	12.8	1.5	3.2	3.5	2.4	-	53.4	33.7	28.6	4.6	5.1	-
5	12.3	1.4	3.3	3.7	2.2	-	58.8	28.6	28.4	4.5	6.2	-
6	11.9	1.4	3.3	3.9	2.0	-	63.7	26.8	27.6	4.4	7.2	-
7	11.5	1.3	3.4	4.2	1.7	-	54.2	31.5	21.7	3.6	8.0	-
8	11.0	1.2	3.5	4.5	1.4	-	50.6	31.3	20.6	3.1	8.6	-
9	10.6	1.2	4.0	4.7	1.2	-	55.3	30.9	20.1	2.8	9.1	-
10	10.2	1.1	4.7	4.7	1.1	-	57.1	32.8	18.6	2.7	9.7	-
11	9.8	1.1	5.4	4.5	1.0	-	54.9	27.5	17.4	2.5	10.3	-
12	9.3	1.0	6.2	4.4	1.0	-	56.5	28.6	13.9	2.4	10.9	-
13	8.5	1.0	6.8	4.3	1.0	-	55.7	33.0	10.8	2.3	11.8	-
14	7.8	1.0	7.3	4.3	1.0	-	53.4	35.9	9.2	2.0	12.9	-
15	7.4	1.0	7.5	4.3	1.0	-	50.7	30.3	9.3	1.6	13.9	-
16	7.1	0.9	7.6	4.4	1.0	-	58.1	28.4	10.7	1.3	14.4	-
17	6.8	0.9	7.5	4.5	1.0	-	57.7	27.5	11.3	1.1	15.1	-
18	6.6	1.0	7.1	4.5	1.0	-	60.1	27.3	11.8	1.1	15.4	-
19	5.7	1.0	6.6	4.6	0.9	-	61.0	26.2	12.2	1.2	16.6	-
20	4.8	1.2	5.6	4.8	0.8	-	62.1	24.5	12.4	1.4	17.3	-
21	3.9	1.5	4.6	5.5	0.7	-	63.1	22.7	12.5	1.7	18.3	-
22	3.1	1.7	3.9	6.3	0.6	-	63.5	22.2	11.9	1.9	18.3	-
23	2.7	2.2	3.0	7.1	0.6	-	58.3	24.4	10.0	2.3	18.4	-
24	2.4	2.6	2.4	7.9	0.6	-	54.8	26.6	9.0	2.4	19.0	-
25	2.2	2.6	2.1	8.5	0.8	-	53.9	25.6	8.6	2.5	19.5	-
26	2.2	2.5	1.8	8.4	0.9	-	53.2	22.2	8.6	2.5	19.7	-
27	2.0	2.5	1.6	7.6	0.9	-	57.7	20.2	9.0	2.5	19.9	-
28	2.0	2.6	1.6	6.8	1.0	-	56.1	18.9	9.7	2.6	19.4	-
29	2.1	2.6	1.7	6.1	1.1	-	49.6	17.9	10.1	2.8	18.4	-
30	2.0	2.7	1.7	5.6	1.1	-	46.2	19.8	8.7	3.2	18.1	-
31	2.0	-	1.8	4.2	-	-	45.4	-	7.1	3.6	-	-

Table E-9B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	7.1	5.9	1.9	1.9	4.5	7.0	9.1	34.2	10.0	32.2	3.8	11.5	3.6	7.4	5.5	4.1	29.3	39.0
2	7.1	6.2	1.9	1.8	4.6	-	8.5	33.2	12.5	26.9	4.0	-	3.4	7.9	5.1	4.4	30.5	-
3	6.9	6.4	1.8	1.8	4.5	-	8.1	29.7	15.3	21.8	4.4	-	3.2	8.7	5.0	4.6	33.5	-
4	6.9	6.3	1.9	1.8	4.4	-	8.8	29.3	15.8	17.2	4.7	-	3.0	9.2	4.5	4.7	35.3	-
5	7.0	6.1	2.0	1.8	4.4	-	10.4	29.7	16.3	14.6	5.8	-	3.2	9.7	3.9	4.7	40.2	-
6	7.2	6.1	2.1	1.8	4.5	-	12.1	30.5	16.2	13.2	7.2	-	3.6	9.9	3.7	4.5	51.1	-
7	7.3	6.3	2.1	1.8	4.9	-	13.4	31.0	15.9	12.3	8.2	-	4.0	9.8	3.6	4.3	60.2	-
8	6.9	6.4	2.0	1.9	5.6	-	14.2	27.5	16.1	11.3	9.0	-	4.4	9.4	3.7	4.2	68.8	-
9	5.9	6.5	2.0	1.9	6.5	-	16.3	23.4	17.0	9.2	9.6	-	4.7	8.9	3.8	4.1	78.9	-
10	5.0	6.4	2.0	2.0	7.0	-	19.0	20.8	20.8	7.6	10.3	-	4.8	8.7	3.7	4.3	74.8	-
11	4.4	6.3	2.1	2.0	6.3	-	21.1	19.4	25.4	6.8	10.9	-	4.9	8.3	3.6	5.1	63.3	-
12	4.1	6.2	2.3	2.3	5.5	-	22.4	18.2	28.3	6.2	11.6	-	5.2	8.0	3.5	6.1	54.3	-
13	4.0	6.2	2.4	2.7	4.9	-	23.6	16.5	30.6	5.7	12.2	-	5.5	7.8	3.8	6.8	53.6	-
14	3.9	5.7	2.5	3.1	4.6	-	25.8	14.2	30.2	5.3	12.5	-	5.6	7.9	4.3	7.2	51.4	-
15	4.2	5.0	2.5	3.5	4.6	-	32.4	14.9	26.3	5.1	12.3	-	5.6	8.0	4.8	7.8	43.2	-
16	4.8	4.4	2.3	3.7	5.0	-	37.4	16.4	22.2	5.2	14.1	-	5.6	9.1	4.5	9.5	39.4	-
17	5.5	4.0	2.2	3.9	5.5	-	41.6	17.5	19.6	4.6	16.5	-	5.6	10.6	3.9	10.9	37.1	-
18	6.1	3.7	2.1	3.9	6.3	-	45.1	16.8	21.6	3.7	17.7	-	5.9	12.0	3.3	12.3	35.3	-
19	6.1	3.1	2.1	3.7	7.0	-	45.9	15.4	26.0	3.2	17.3	-	6.2	13.3	2.9	14.0	30.7	-
20	5.8	2.5	2.2	3.6	7.6	-	45.8	14.3	30.6	3.1	17.3	-	6.3	14.4	2.6	17.4	24.9	-
21	5.7	2.1	2.3	3.4	8.2	-	44.8	11.1	33.2	3.1	17.8	-	6.3	15.1	2.4	23.2	22.5	-
22	5.8	1.8	2.4	3.4	9.1	-	53.1	9.2	33.7	3.1	17.8	-	6.2	15.7	2.3	25.7	21.4	-
23	6.1	1.6	2.4	3.4	10.0	-	52.7	8.7	33.3	3.1	16.2	-	6.1	16.1	2.4	27.1	22.6	-
24	6.5	1.6	2.3	3.4	10.8	-	50.4	8.4	32.4	3.4	14.6	-	6.0	15.1	2.6	28.4	24.0	-
25	6.7	1.5	2.2	3.4	11.6	-	43.9	7.7	32.0	3.8	11.6	-	6.2	12.9	2.8	30.2	24.2	-
26	6.8	1.5	2.1	3.4	12.3	-	41.3	7.2	32.0	4.4	9.5	-	6.3	11.3	2.9	32.4	23.7	-
27	6.7	1.6	2.0	3.3	12.6	-	39.9	6.8	35.4	4.8	8.5	-	6.1	10.4	3.0	35.2	23.6	-
28	6.6	1.6	2.0	3.0	11.9	-	38.2	6.7	39.0	5.0	9.1	-	5.7	9.7	3.0	38.2	24.2	-
29	6.4	1.8	2.0	3.0	9.4	-	37.0	7.5	36.3	4.6	10.4	-	5.4	8.0	3.0	38.5	30.6	-
30	6.0	1.9	2.0	3.6	7.7	-	35.9	8.5	36.1	4.1	11.4	-	6.0	6.5	3.2	35.7	35.5	-
31	5.8	-	1.9	4.2	-	-	35.0	-	35.6	3.8	-	-	6.7	-	3.7	32.4	-	-

Table E-9B. Scenario 2 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17) ***(continued)***

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	15.9	1.8	2.6	2.5	3.3	1.3	73.6	53.8	27.3	6.6	4.0	21.1
2	14.6	1.7	2.7	3.1	2.7	-	68.3	53.0	30.8	5.7	4.3	-
3	13.7	1.6	2.8	3.6	2.4	-	57.8	47.0	33.6	5.1	4.6	-
4	13.0	1.5	2.9	4.0	2.2	-	53.1	39.4	35.2	4.8	5.3	-
5	12.5	1.4	3.0	4.3	2.1	-	57.2	33.3	35.5	4.7	6.4	-
6	12.1	1.3	3.1	4.5	1.9	-	62.2	31.7	32.8	4.5	7.6	-
7	11.7	1.2	3.2	4.8	1.6	-	55.6	35.8	26.7	3.8	8.6	-
8	11.2	1.2	3.3	5.2	1.3	-	52.9	36.2	24.8	3.2	9.2	-
9	10.8	1.1	3.7	5.4	1.1	-	56.8	35.8	24.0	2.9	9.8	-
10	10.4	1.1	4.3	5.4	1.0	-	59.6	37.4	22.5	2.7	10.4	-
11	10.1	1.0	4.9	5.3	0.9	-	57.7	31.9	20.9	2.6	11.0	-
12	9.6	1.0	5.6	5.1	0.9	-	59.5	32.4	16.7	2.5	11.7	-
13	8.8	1.0	6.2	5.0	0.9	-	61.5	37.1	13.1	2.4	12.8	-
14	8.1	0.9	6.6	5.0	1.0	-	58.9	39.6	11.0	2.0	14.1	-
15	7.6	0.9	6.9	5.0	1.0	-	57.3	34.1	11.7	1.6	15.2	-
16	7.3	0.9	7.0	5.1	1.0	-	64.5	32.1	12.9	1.2	15.8	-
17	7.0	0.9	6.9	5.2	1.0	-	66.4	31.5	13.6	1.1	16.6	-
18	6.6	0.9	6.5	5.3	0.9	-	68.3	31.1	14.3	1.1	17.2	-
19	5.7	1.0	6.0	5.4	0.9	-	69.4	30.0	14.8	1.2	18.4	-
20	4.8	1.1	5.1	5.6	0.8	-	70.7	28.2	15.2	1.4	19.6	-
21	3.9	1.3	4.3	6.3	0.7	-	71.8	26.2	15.4	1.6	21.2	-
22	3.1	1.6	3.6	7.2	0.7	-	72.3	25.8	14.5	1.9	22.0	-
23	2.7	1.9	2.9	8.1	0.6	-	67.6	27.8	12.5	2.2	21.9	-
24	2.4	2.3	2.3	9.0	0.7	-	62.9	30.2	11.1	2.4	22.5	-
25	2.1	2.3	1.9	9.6	0.8	-	61.2	28.4	10.5	2.5	23.0	-
26	2.1	2.3	1.7	9.3	0.9	-	62.5	24.8	10.4	2.5	23.3	-
27	2.0	2.3	1.6	8.3	1.0	-	67.5	22.2	11.0	2.6	23.5	-
28	2.0	2.4	1.6	7.4	1.0	-	66.0	20.8	11.7	2.6	22.6	-
29	2.0	2.4	1.7	6.6	1.1	-	58.7	20.7	11.6	2.9	21.4	-
30	2.0	2.5	1.7	5.6	1.2	-	54.6	23.6	9.7	3.3	20.9	-
31	1.9	-	2.0	4.2	-	-	53.7	-	7.9	3.7	-	-

Appendix F. Rolling 30-Day Geomean Values Using Noon Values and Daily Average Values – Scenario 3

Table F-1A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	38.3	42.0	34.9	57.1	163.0	160.0	71.9	102.0	56.4	107.5	84.6	98.5	34.8	69.3	62.0	44.7	327.7	161.1
2	38.3	42.0	35.9	57.7	175.1	-	71.8	101.9	61.0	99.3	92.8	-	34.8	69.3	61.9	48.0	304.7	-
3	38.2	42.1	37.4	56.5	184.1	-	71.8	112.8	59.5	90.4	100.8	-	34.8	65.4	57.9	51.8	286.7	-
4	38.2	42.0	38.2	57.7	184.2	-	71.9	112.8	65.3	82.7	110.4	-	39.4	71.3	53.0	52.0	293.4	-
5	38.2	42.0	38.1	59.8	179.6	-	72.0	112.8	71.4	77.0	123.2	-	39.3	76.4	52.4	51.0	346.7	-
6	38.1	42.0	38.1	61.5	198.3	-	72.0	112.8	76.5	73.4	137.3	-	39.3	80.2	53.2	52.8	370.2	-
7	38.1	41.9	38.1	65.8	184.1	-	72.1	112.7	80.3	73.3	151.5	-	39.3	82.6	51.6	55.1	399.0	-
8	38.0	41.9	38.0	72.8	171.8	-	72.1	112.6	80.3	67.5	164.6	-	39.3	82.6	51.6	56.9	430.3	-
9	38.0	41.9	38.0	81.4	161.8	-	72.1	112.6	87.2	60.9	173.7	-	39.3	82.6	51.6	59.0	437.7	-
10	37.9	41.9	38.0	90.9	146.1	-	72.2	112.5	96.6	55.5	176.6	-	39.3	84.8	50.2	64.6	420.8	-
11	37.8	41.9	38.0	101.3	131.9	-	72.2	112.3	106.1	51.4	176.9	-	39.3	87.4	48.6	73.6	410.0	-
12	37.8	41.9	37.9	112.5	119.5	-	72.3	112.2	114.6	48.9	177.1	-	39.3	87.4	48.8	81.8	402.0	-
13	37.7	36.6	37.9	124.4	109.6	-	72.4	100.2	120.5	47.9	177.4	-	39.3	87.3	48.8	90.1	393.1	-
14	43.1	36.6	37.8	136.0	102.5	-	81.0	93.5	118.6	47.8	177.6	-	39.4	87.3	48.8	99.7	356.5	-
15	43.1	36.5	37.8	145.7	104.4	-	90.1	90.7	111.2	47.8	186.2	-	39.4	93.6	45.5	115.9	316.8	-
16	43.0	36.5	37.8	152.7	115.1	-	99.1	89.8	105.3	44.8	196.1	-	39.4	102.5	41.5	130.7	284.1	-
17	43.0	37.0	37.2	152.8	127.9	-	105.8	83.4	112.2	41.7	196.7	-	39.4	109.6	38.7	146.1	257.3	-
18	43.0	36.5	36.4	152.9	141.1	-	114.0	76.5	120.5	39.9	196.9	-	39.4	109.7	38.7	161.7	233.8	-
19	40.9	35.2	36.3	153.3	151.5	-	124.3	71.1	125.8	37.5	197.0	-	39.4	109.8	38.6	178.5	209.5	-
20	42.4	35.1	36.3	156.0	161.8	-	133.7	64.7	133.8	35.5	197.2	-	39.4	109.9	38.6	199.7	186.6	-
21	42.3	35.1	36.2	159.5	177.4	-	138.5	62.4	131.0	35.4	197.3	-	39.4	110.0	38.5	224.6	167.2	-
22	42.3	35.0	36.2	154.2	193.8	-	140.4	61.5	120.8	35.4	197.5	-	39.4	110.2	38.5	251.2	151.5	-
23	42.3	35.0	37.5	145.3	208.0	-	137.8	57.4	120.8	35.4	183.3	-	39.4	102.4	38.5	277.9	139.3	-
24	42.2	35.0	39.7	138.6	221.2	-	131.9	54.9	120.8	38.2	154.6	-	42.5	92.4	38.5	302.9	129.3	-
25	42.2	35.0	41.6	138.6	234.4	-	123.8	53.9	120.8	45.3	138.6	-	46.9	83.8	38.5	327.1	122.4	-
26	42.1	34.9	41.6	128.5	240.5	-	114.1	53.8	120.9	50.5	125.6	-	51.6	78.3	38.5	346.2	120.7	-
27	42.1	34.9	44.9	127.9	236.6	-	105.9	53.8	120.9	55.8	115.2	-	55.2	75.6	38.5	352.2	120.7	-
28	42.1	35.0	46.6	128.8	221.8	-	102.1	53.8	120.9	60.4	109.6	-	57.2	70.3	38.5	353.0	132.5	-
29	42.1	35.0	50.2	134.9	196.7	-	102.1	53.8	121.8	65.7	107.8	-	61.4	65.1	38.5	337.1	149.8	-
30	42.0	34.9	53.6	147.9	175.6	-	102.1	53.8	121.8	70.6	104.5	-	66.2	62.1	40.4	319.1	167.5	-
31	42.0	-	55.3	156.4	-	-	102.0	-	116.3	76.7	-	-	69.3	-	42.8	306.4	-	-

Table F-1A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	82.0	34.7	60.6	67.9	78.1	161.0	171.7	87.6	46.8	51.6	135.3	135.0
2	75.2	34.6	60.7	75.9	71.2	-	171.6	87.5	46.8	51.5	135.5	-
3	70.6	34.6	60.7	83.2	66.5	-	155.7	87.4	46.7	51.5	136.1	-
4	68.4	34.5	60.7	89.1	64.1	-	141.7	87.3	46.7	51.5	135.4	-
5	68.3	34.4	60.8	92.4	61.9	-	131.6	87.3	46.7	51.1	131.6	-
6	68.2	34.4	60.8	95.8	58.1	-	120.2	100.9	41.0	48.6	128.5	-
7	68.1	34.3	60.8	102.8	56.2	-	107.4	92.4	44.3	45.6	128.6	-
8	68.0	34.3	60.9	110.8	56.8	-	104.6	92.3	48.5	43.1	128.8	-
9	67.8	34.3	60.9	115.0	58.3	-	93.9	92.3	51.1	43.1	129.0	-
10	67.7	34.3	61.3	114.3	58.2	-	85.1	85.6	51.1	43.0	129.2	-
11	67.6	34.2	61.9	110.6	60.1	-	82.7	86.2	46.3	43.0	130.8	-
12	67.4	34.1	64.2	106.0	62.9	-	81.1	83.3	44.9	42.9	135.0	-
13	67.3	34.1	67.1	106.0	65.3	-	77.5	83.2	44.9	41.1	140.9	-
14	67.2	34.0	67.2	106.2	64.2	-	70.1	76.4	46.8	39.2	146.4	-
15	67.1	34.0	67.2	111.3	64.0	-	69.8	71.0	49.0	37.1	152.6	-
16	66.9	34.0	67.1	115.7	67.7	-	69.6	64.5	51.6	36.7	155.5	-
17	66.8	34.0	68.2	113.4	67.8	-	72.0	58.0	52.2	38.5	155.3	-
18	66.7	34.0	69.6	113.5	70.0	-	75.1	52.6	52.2	41.9	156.3	-
19	66.6	34.9	67.7	113.6	73.8	-	78.6	48.7	52.2	45.9	159.4	-
20	63.9	36.1	65.6	113.9	78.6	-	84.7	47.2	52.2	50.0	162.9	-
21	58.4	38.0	62.3	114.2	84.2	-	87.4	47.1	52.2	54.4	167.2	-
22	52.4	42.1	56.1	114.5	87.9	-	87.4	47.0	52.2	60.5	168.0	-
23	47.4	47.3	49.8	118.7	92.0	-	87.4	46.9	52.2	68.0	169.0	-
24	44.3	51.1	44.7	126.6	94.9	-	87.4	46.9	52.2	75.9	169.4	-
25	43.9	55.7	41.0	123.7	97.9	-	87.5	46.8	52.2	84.2	167.5	-
26	40.4	58.4	43.0	125.5	102.5	-	87.5	46.7	52.1	93.1	162.4	-
27	36.9	60.4	44.3	125.3	113.4	-	87.5	46.6	52.1	102.5	156.2	-
28	35.0	60.4	47.2	124.5	124.0	-	87.5	46.6	52.1	111.7	151.5	-
29	34.9	60.5	47.6	115.1	135.5	-	87.5	46.8	51.7	119.8	143.1	-
30	34.9	60.6	51.4	98.3	148.0	-	87.5	46.8	51.6	127.1	136.8	-
31	34.8	-	60.2	87.1	-	-	87.6	-	51.6	133.2	-	-

Table F-1B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	42.0	51.7	40.8	56.5	171.4	151.2	76.2	111.3	71.7	122.6	80.9	99.2	40.5	70.3	66.1	49.3	321.4	156.9
2	41.8	51.7	41.9	57.2	183.6	-	76.1	111.3	82.0	108.9	88.8	-	40.4	70.3	66.0	53.0	298.8	-
3	41.8	51.7	43.7	56.1	193.0	-	76.1	110.5	84.7	99.2	96.4	-	40.3	69.7	59.4	57.1	281.1	-
4	41.7	51.7	44.6	57.2	193.3	-	83.4	110.5	93.0	90.7	105.6	-	45.2	75.9	54.5	57.5	287.2	-
5	41.7	51.6	44.6	59.4	188.7	-	83.4	110.5	101.6	84.5	117.9	-	45.1	81.5	53.7	56.3	326.7	-
6	41.7	51.6	44.6	61.0	196.0	-	83.5	110.5	109.0	80.4	131.4	-	45.1	85.5	54.6	58.2	349.1	-
7	39.9	51.6	44.5	65.2	182.1	-	83.5	110.4	114.4	80.3	145.1	-	45.2	88.1	53.1	60.7	376.1	-
8	39.1	51.5	44.5	72.2	169.9	-	83.6	110.4	114.5	72.7	157.6	-	45.1	88.2	53.0	62.7	405.7	-
9	39.0	51.5	44.5	80.7	156.7	-	83.6	110.3	126.4	65.6	166.4	-	45.1	88.2	53.0	65.0	407.9	-
10	38.9	51.5	44.5	92.1	141.6	-	83.6	110.2	140.0	59.8	169.4	-	45.1	90.5	51.6	69.2	375.9	-
11	38.9	51.5	44.4	102.6	127.8	-	83.7	110.1	153.8	55.3	169.6	-	45.1	93.3	52.0	77.8	366.4	-
12	38.8	51.5	44.4	114.0	115.8	-	83.8	109.9	166.3	52.6	169.9	-	45.1	93.4	55.2	86.5	359.1	-
13	38.8	45.9	44.3	126.0	106.1	-	83.8	100.4	174.9	51.5	170.1	-	45.2	93.3	55.1	95.3	351.4	-
14	43.4	45.8	44.2	137.9	99.2	-	91.8	96.6	166.8	51.4	170.3	-	45.2	93.3	55.1	105.3	326.3	-
15	43.4	45.8	44.2	147.8	100.9	-	102.1	93.7	156.5	51.4	178.4	-	45.2	102.0	50.3	119.6	290.0	-
16	43.4	45.7	44.2	154.9	111.0	-	112.4	92.8	148.1	48.2	188.0	-	45.2	111.7	45.9	135.0	260.1	-
17	43.3	39.8	43.5	155.3	123.4	-	118.2	86.3	157.5	43.5	188.7	-	45.2	119.7	42.8	150.9	235.5	-
18	50.4	36.5	42.6	155.5	136.2	-	123.4	79.2	174.4	41.7	188.9	-	45.2	120.0	42.7	167.0	214.0	-
19	50.3	35.2	42.5	155.8	146.3	-	134.5	73.6	182.0	39.2	189.1	-	45.2	120.1	42.6	184.3	189.9	-
20	52.1	35.1	42.4	158.6	156.2	-	144.8	66.9	193.4	37.0	189.2	-	45.2	120.2	42.6	208.2	169.2	-
21	52.1	35.1	42.3	162.1	171.1	-	150.0	63.4	189.8	37.0	189.3	-	45.2	120.3	42.5	234.3	151.5	-
22	52.0	35.0	42.3	156.9	187.0	-	153.7	62.5	175.0	37.0	189.4	-	45.2	120.5	42.5	262.1	137.2	-
23	52.0	35.0	43.8	147.9	200.7	-	151.0	58.4	174.6	37.0	176.1	-	45.2	112.1	42.5	290.0	126.1	-
24	51.9	35.0	46.4	141.0	213.5	-	144.4	55.8	174.6	39.8	155.1	-	43.5	101.2	42.5	316.2	117.1	-
25	51.9	35.0	48.7	140.7	226.3	-	135.3	54.8	174.6	45.1	139.1	-	46.3	91.7	42.5	341.5	110.8	-
26	51.8	34.9	48.8	132.3	232.2	-	124.7	54.7	174.8	50.4	126.0	-	51.0	85.6	42.5	361.8	109.1	-
27	51.8	39.5	45.8	131.6	228.5	-	115.7	54.7	174.8	55.7	115.9	-	54.6	82.6	42.5	368.2	109.1	-
28	51.8	41.0	46.0	132.5	209.8	-	111.5	54.7	174.8	57.8	110.4	-	56.5	75.1	42.5	369.1	119.7	-
29	51.7	40.9	49.6	141.9	186.1	-	111.4	54.7	183.7	62.8	108.5	-	62.1	69.5	42.5	352.7	136.7	-
30	51.7	40.8	53.0	155.3	166.2	-	111.4	62.5	160.8	67.6	105.2	-	67.0	66.3	44.6	333.8	152.9	-
31	51.7	-	54.8	164.3	-	-	111.3	-	140.1	73.4	-	-	70.2	-	47.3	320.5	-	-

Table F-1B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	83.2	40.4	71.6	72.7	79.3	160.7	177.4	101.3	62.4	54.0	137.3	139.9
2	76.3	40.3	71.7	81.2	72.3	-	176.1	101.2	62.3	53.9	137.5	-
3	71.6	40.2	71.7	89.1	67.5	-	158.3	95.4	62.3	53.9	138.4	-
4	69.3	40.1	71.7	95.5	65.0	-	152.5	95.3	62.3	53.9	137.7	-
5	69.1	40.0	71.8	99.2	62.2	-	141.6	95.2	62.2	53.5	133.9	-
6	69.0	40.0	71.8	98.4	58.4	-	129.5	105.7	56.9	50.9	130.6	-
7	69.0	39.9	75.6	105.0	56.5	-	115.0	101.2	61.5	47.7	130.7	-
8	68.8	39.9	76.1	113.1	57.0	-	107.2	101.1	67.2	45.1	130.9	-
9	68.7	39.9	76.1	117.6	58.5	-	96.3	101.1	71.0	45.0	131.1	-
10	68.6	39.8	76.6	117.0	58.5	-	87.2	90.3	71.0	45.0	131.3	-
11	68.4	39.7	77.4	113.2	60.3	-	87.7	93.0	62.0	44.9	132.9	-
12	68.3	39.7	80.2	108.5	63.2	-	87.0	89.8	60.2	44.9	137.2	-
13	68.2	39.6	83.8	108.4	65.6	-	83.2	89.7	60.1	42.4	143.1	-
14	68.1	39.6	84.0	108.6	64.6	-	75.2	82.7	63.6	39.3	148.7	-
15	68.0	39.5	84.0	113.7	64.3	-	74.5	76.9	68.5	37.2	154.0	-
16	67.8	39.5	84.0	118.2	67.9	-	74.3	69.8	72.2	37.0	159.6	-
17	67.7	39.5	85.3	116.1	68.2	-	76.8	62.8	73.0	38.8	159.5	-
18	67.6	45.2	76.1	116.1	70.3	-	80.1	57.0	73.0	42.2	162.6	-
19	67.4	47.8	72.0	116.3	74.2	-	83.8	52.8	73.1	46.2	165.8	-
20	64.8	49.5	69.7	116.5	78.9	-	90.3	51.0	73.1	50.3	169.4	-
21	58.5	52.0	66.3	116.8	84.6	-	93.3	53.9	69.0	54.7	173.2	-
22	52.5	57.6	59.7	117.2	88.3	-	93.3	54.3	68.4	61.3	174.2	-
23	47.5	59.3	53.0	121.4	92.1	-	93.3	54.2	68.4	68.9	175.2	-
24	48.4	60.2	47.5	129.4	95.0	-	93.4	50.3	68.4	76.9	175.6	-
25	51.1	65.6	43.5	125.5	98.0	-	100.5	49.8	68.4	85.2	173.7	-
26	47.0	68.9	46.0	127.3	102.5	-	101.4	49.7	68.4	94.3	168.5	-
27	43.0	71.2	47.3	127.2	113.1	-	101.2	49.6	68.4	103.8	162.0	-
28	40.8	71.4	50.5	126.3	123.8	-	101.2	56.3	60.1	113.1	157.2	-
29	40.6	71.4	50.9	114.9	135.2	-	101.2	62.5	54.1	121.4	148.5	-
30	40.5	71.5	56.0	99.9	147.7	-	101.3	62.4	54.0	128.9	141.9	-
31	40.4	-	64.4	88.5	-	-	101.3	-	54.0	135.1	-	-

Table F-2A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	31.5	34.2	25.1	36.7	114.0	130.4	60.9	97.0	47.7	99.3	67.7	88.7	27.8	56.4	45.8	33.0	305.5	147.2
2	31.4	34.3	25.6	37.3	121.3	-	60.8	96.8	52.8	91.7	74.7	-	27.6	56.5	45.3	35.5	284.4	-
3	31.3	34.2	26.8	36.7	131.1	-	60.7	108.2	48.5	83.1	81.5	-	27.5	50.2	42.5	38.5	267.7	-
4	31.2	34.1	27.5	36.8	132.7	-	64.1	108.2	53.2	75.5	89.5	-	32.8	55.0	38.7	39.6	271.7	-
5	31.1	34.0	27.6	38.3	129.9	-	64.3	108.1	58.4	70.0	100.4	-	32.7	59.3	37.2	38.6	333.8	-
6	31.0	33.9	27.5	39.6	150.7	-	64.5	107.9	62.9	66.1	112.9	-	32.7	62.4	38.0	39.6	359.6	-
7	30.9	33.8	27.3	41.6	141.6	-	64.6	107.7	66.5	65.7	125.5	-	32.7	64.7	36.7	41.3	387.6	-
8	30.4	33.7	27.2	46.1	129.9	-	64.8	107.4	66.6	60.6	137.4	-	32.7	64.8	36.6	43.1	427.6	-
9	30.2	33.6	27.2	52.0	123.0	-	64.9	107.1	72.1	54.3	146.2	-	32.6	64.9	36.5	44.1	442.4	-
10	30.0	33.7	27.1	58.5	111.0	-	65.0	106.7	80.4	49.1	149.9	-	32.5	66.0	35.8	48.0	413.0	-
11	29.7	33.7	27.1	65.9	99.9	-	65.2	106.2	89.0	45.1	150.9	-	32.6	68.4	34.3	53.1	403.5	-
12	29.5	33.7	27.0	74.3	90.1	-	65.5	105.5	97.1	42.5	151.9	-	32.7	68.4	36.7	59.5	395.5	-
13	29.4	28.3	26.7	83.5	82.0	-	65.9	90.9	103.1	41.3	152.8	-	32.8	68.3	36.6	66.1	389.6	-
14	34.9	28.0	26.4	92.8	76.5	-	76.4	83.6	103.0	41.1	153.6	-	32.9	68.1	36.6	73.3	345.6	-
15	34.9	27.8	26.3	100.8	75.8	-	85.8	80.7	96.7	40.9	167.0	-	32.9	71.8	34.6	88.5	306.2	-
16	34.7	27.7	26.1	107.3	83.5	-	95.4	80.0	90.9	38.4	177.5	-	33.0	79.0	31.2	101.3	274.1	-
17	34.6	27.7	25.8	108.4	93.5	-	102.7	74.4	96.1	35.4	178.8	-	33.1	85.4	28.6	114.4	247.8	-
18	34.5	25.1	25.0	108.8	104.1	-	107.3	68.1	103.9	33.7	179.7	-	33.2	85.9	28.4	127.8	225.1	-
19	34.3	24.0	24.9	109.7	113.4	-	118.0	63.0	108.6	31.7	180.2	-	33.3	86.1	28.3	142.3	198.8	-
20	35.6	23.9	24.7	111.7	121.1	-	127.5	57.1	115.5	29.7	180.7	-	33.3	86.4	28.1	163.0	176.6	-
21	35.5	23.8	24.5	115.3	133.2	-	132.9	54.4	114.8	29.6	181.3	-	33.3	86.9	28.0	185.1	157.7	-
22	35.3	23.6	24.5	114.3	147.3	-	135.1	53.7	105.2	29.5	181.7	-	33.2	87.5	27.9	209.1	142.5	-
23	35.2	23.5	24.8	107.8	160.1	-	132.9	49.9	105.1	29.5	170.9	-	33.2	82.8	27.8	233.6	130.8	-
24	35.1	23.5	26.3	101.4	171.9	-	127.2	47.5	105.0	31.4	141.0	-	35.2	74.2	27.8	256.7	121.2	-
25	34.9	23.4	27.9	100.1	183.8	-	119.4	46.4	105.2	38.1	126.0	-	36.3	66.5	27.9	279.5	114.2	-
26	34.8	23.3	28.2	88.0	194.3	-	110.0	46.0	105.5	42.7	113.7	-	40.3	61.1	28.0	299.6	112.4	-
27	34.7	23.2	32.0	87.0	194.3	-	101.7	45.8	105.7	47.4	104.1	-	43.6	59.3	28.0	308.5	112.5	-
28	34.7	25.6	29.7	87.4	183.5	-	97.7	45.7	105.6	48.0	98.4	-	44.8	53.8	28.0	301.3	123.3	-
29	34.5	25.5	31.8	91.2	162.0	-	97.5	45.7	114.0	52.3	96.5	-	49.2	49.2	29.0	296.4	140.1	-
30	34.3	25.3	34.5	101.1	144.1	-	97.3	45.8	114.0	56.5	94.2	-	53.3	46.2	29.9	279.1	157.4	-
31	34.3	-	35.7	109.1	-	-	97.1	-	109.8	61.1	-	-	56.2	-	32.1	274.9	-	-

Table F-2A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	72.1	25.1	43.0	48.5	57.9	120.5	163.2	86.6	46.7	41.7	106.7	117.2
2	65.6	25.0	43.0	54.7	52.3	-	162.9	86.3	46.5	41.6	107.3	-
3	61.2	24.7	43.2	60.7	48.4	-	142.0	85.9	46.4	41.5	108.1	-
4	58.8	24.5	43.3	65.8	46.1	-	128.9	85.5	46.3	41.5	108.5	-
5	58.4	24.2	43.4	69.1	45.0	-	119.4	85.1	46.1	41.2	106.0	-
6	58.1	24.1	43.4	70.8	42.1	-	109.1	102.6	38.4	39.2	103.1	-
7	57.8	23.9	43.6	73.4	40.0	-	97.2	90.9	41.2	36.7	103.4	-
8	57.4	23.9	45.2	80.0	40.2	-	97.6	90.7	45.2	34.4	104.1	-
9	56.8	23.8	45.3	84.3	41.5	-	87.5	90.4	48.0	34.2	104.9	-
10	56.3	23.7	45.6	83.9	41.5	-	79.0	84.1	47.9	34.0	105.7	-
11	55.8	23.5	46.6	83.3	41.8	-	76.3	89.6	40.6	33.9	107.0	-
12	55.4	23.2	47.7	79.2	44.0	-	75.1	86.4	39.1	33.7	110.7	-
13	55.0	23.0	50.6	78.9	45.7	-	71.9	86.3	38.8	30.1	116.2	-
14	54.7	22.9	51.2	79.4	46.0	-	64.8	74.5	43.1	28.8	121.8	-
15	54.2	22.9	51.3	82.8	44.5	-	68.3	69.0	44.7	27.0	127.4	-
16	53.7	22.7	51.2	88.6	47.4	-	67.9	62.4	47.4	26.4	132.9	-
17	53.2	22.6	51.3	86.9	47.6	-	70.1	55.8	48.1	27.2	133.3	-
18	52.7	22.6	52.8	87.1	48.6	-	73.3	50.2	48.2	29.4	134.1	-
19	52.2	25.1	48.0	87.5	51.2	-	76.6	46.2	48.3	32.3	137.1	-
20	49.9	26.3	45.9	88.3	54.4	-	82.7	44.3	48.3	35.3	140.5	-
21	44.5	27.2	44.5	89.2	58.4	-	85.5	44.0	48.2	38.6	143.6	-
22	39.4	30.3	39.7	90.4	61.7	-	85.6	44.3	47.6	44.0	144.5	-
23	35.3	34.4	34.6	93.3	66.9	-	85.7	43.9	47.6	49.8	145.5	-
24	32.5	34.4	30.5	99.9	69.3	-	85.8	43.6	47.6	56.0	146.2	-
25	34.8	37.9	27.5	93.3	71.6	-	85.9	43.3	47.6	62.4	145.0	-
26	31.2	40.1	30.1	96.2	74.6	-	86.1	43.0	47.5	69.5	141.1	-
27	28.1	41.9	30.3	96.2	82.5	-	86.2	42.7	47.5	77.2	135.3	-
28	26.3	42.3	32.6	95.3	90.8	-	86.2	42.4	47.4	84.9	131.8	-
29	25.9	42.5	33.3	90.6	100.0	-	86.2	47.0	42.3	91.9	124.6	-
30	25.6	42.7	34.9	74.2	110.0	-	86.3	46.8	42.1	98.3	118.9	-
31	25.4	-	42.6	65.1	-	-	86.5	-	41.8	104.2	-	-

Table F-2B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	36.8	45.0	30.7	37.9	130.2	129.2	66.0	108.7	69.8	121.5	64.5	95.3	34.1	59.4	54.3	38.9	309.0	146.4
2	36.4	45.0	31.0	38.5	137.5	-	65.6	108.6	83.7	104.9	71.2	-	33.7	59.5	53.8	41.8	288.2	-
3	36.3	45.0	32.3	38.2	148.3	-	65.5	108.8	85.0	94.4	77.8	-	33.6	58.8	46.5	45.3	271.2	-
4	36.1	44.9	33.2	38.2	151.2	-	74.5	108.8	93.9	85.7	85.4	-	39.0	62.7	42.1	46.3	276.5	-
5	36.0	44.8	33.4	39.6	148.7	-	74.8	108.7	103.1	79.4	96.1	-	40.1	67.8	40.6	45.3	325.8	-
6	35.9	44.5	33.3	41.1	164.0	-	75.0	108.5	111.2	74.9	108.0	-	40.1	71.4	41.3	45.9	351.8	-
7	33.4	44.3	33.1	43.3	155.3	-	75.1	104.8	117.6	74.0	120.2	-	40.1	74.1	40.5	47.9	379.8	-
8	31.1	44.2	33.0	48.0	143.3	-	77.9	104.4	118.4	65.7	131.6	-	40.0	74.5	40.2	49.9	416.6	-
9	30.8	44.1	33.0	54.1	129.4	-	78.1	104.1	133.2	58.7	140.2	-	39.9	74.6	40.1	51.3	413.4	-
10	30.6	44.2	32.9	63.8	116.1	-	78.3	103.7	148.8	53.1	144.0	-	39.8	76.0	39.2	52.4	372.0	-
11	30.3	44.2	32.8	72.8	104.5	-	78.5	103.2	164.6	48.7	145.1	-	39.9	78.7	41.8	58.9	363.5	-
12	30.1	44.2	32.6	82.0	94.3	-	78.9	102.5	179.7	45.9	146.0	-	40.0	79.0	45.6	65.9	356.4	-
13	30.0	36.9	32.3	92.0	85.9	-	79.3	91.6	190.9	44.6	146.9	-	40.1	78.8	45.5	73.2	350.7	-
14	35.7	35.3	32.1	102.1	79.9	-	88.8	90.4	177.8	44.3	147.7	-	40.2	78.6	45.5	81.3	322.0	-
15	36.9	35.1	31.9	110.8	79.7	-	99.6	87.8	166.0	44.1	157.0	-	40.3	88.1	40.4	94.6	286.2	-
16	36.7	35.0	31.8	117.9	86.8	-	110.7	87.0	156.2	41.5	167.0	-	40.4	97.3	36.4	108.1	256.1	-
17	36.6	29.3	31.4	120.3	97.3	-	119.3	81.3	164.2	35.9	169.0	-	40.5	105.3	33.4	122.2	231.4	-
18	43.7	25.1	30.5	120.8	108.5	-	119.0	74.4	188.7	34.2	169.8	-	40.6	107.3	32.7	136.7	210.1	-
19	44.9	24.1	30.1	121.8	118.2	-	130.7	68.8	197.7	32.1	170.4	-	40.6	107.7	32.5	152.5	183.8	-
20	46.6	23.8	29.9	124.3	126.6	-	141.4	62.4	210.2	30.1	170.9	-	40.6	108.1	32.3	176.4	163.3	-
21	46.7	23.7	29.6	128.2	139.0	-	147.4	57.2	208.9	29.8	171.5	-	40.6	108.8	32.1	200.7	145.8	-
22	46.5	23.5	29.5	127.1	153.8	-	152.9	56.5	192.3	29.7	171.9	-	40.5	109.6	32.0	226.8	131.7	-
23	46.3	23.5	30.0	120.1	167.4	-	150.4	53.1	189.8	29.7	161.3	-	40.5	103.0	31.9	253.8	120.9	-
24	46.1	23.4	31.6	113.2	179.8	-	144.0	50.5	189.5	31.7	139.4	-	36.8	92.3	31.9	279.2	112.0	-
25	45.8	23.4	33.4	111.0	192.3	-	134.2	49.3	189.9	36.7	124.5	-	36.5	82.7	32.1	304.2	105.6	-
26	45.7	23.3	34.1	96.7	201.6	-	123.8	48.9	190.6	41.2	112.4	-	40.5	75.9	32.2	326.2	103.6	-
27	45.6	27.4	33.1	94.7	200.9	-	114.4	48.6	190.9	45.7	110.3	-	43.9	73.0	32.2	336.5	103.6	-
28	45.5	31.0	30.4	95.4	181.0	-	109.8	50.0	185.1	45.7	105.8	-	45.5	64.1	32.2	326.1	113.5	-
29	45.3	31.1	32.4	104.5	160.8	-	109.4	50.0	202.5	49.8	103.6	-	51.5	58.7	33.6	318.0	132.3	-
30	45.1	30.8	35.1	115.1	142.9	-	109.2	58.9	172.0	53.8	101.2	-	55.7	55.1	34.9	300.6	148.8	-
31	45.0	-	36.5	124.1	-	-	108.9	-	145.5	58.2	-	-	58.8	-	37.3	291.6	-	-

Table F-2B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	74.8	29.0	54.4	60.6	64.3	121.3	180.4	112.4	62.6	45.2	108.4	139.4
2	68.1	28.8	54.6	68.4	58.1	-	173.5	112.0	62.4	45.0	109.2	-
3	63.5	28.5	54.7	76.0	53.6	-	151.8	103.1	62.3	44.9	119.4	-
4	60.9	28.2	54.8	82.6	50.9	-	148.9	102.5	62.1	44.9	119.8	-
5	60.4	27.9	55.0	87.1	46.2	-	137.8	102.1	61.8	44.6	117.1	-
6	60.1	27.7	55.0	85.9	43.2	-	126.0	117.5	54.0	42.4	114.0	-
7	59.7	27.5	61.6	86.6	41.2	-	110.9	108.5	57.8	39.7	114.1	-
8	59.3	27.4	66.0	94.2	41.2	-	106.9	108.2	63.4	37.3	114.9	-
9	58.7	27.3	66.1	99.4	42.3	-	95.7	108.0	67.5	36.8	115.7	-
10	58.2	27.2	66.7	99.8	42.4	-	86.4	94.4	67.8	36.6	116.6	-
11	57.7	26.9	68.1	98.3	43.1	-	88.0	97.5	57.2	36.4	118.2	-
12	57.2	26.6	70.2	93.8	45.3	-	89.3	94.6	54.7	36.2	122.2	-
13	56.8	26.4	74.2	92.8	47.1	-	85.5	94.3	54.3	32.6	128.2	-
14	56.5	26.3	75.6	93.4	47.1	-	77.4	84.3	59.8	29.2	134.3	-
15	56.0	26.2	75.6	97.6	46.0	-	78.7	78.1	66.4	27.1	138.2	-
16	55.5	26.1	75.5	103.4	48.3	-	78.2	70.7	71.1	26.8	150.0	-
17	54.5	26.0	76.1	103.0	49.1	-	80.6	63.1	72.5	27.7	150.7	-
18	53.5	31.0	65.5	102.8	50.2	-	84.3	56.8	72.6	30.0	157.7	-
19	53.0	35.8	57.2	103.4	52.8	-	88.0	52.1	72.7	33.0	161.3	-
20	50.6	37.5	54.9	104.5	56.1	-	95.0	49.9	72.7	36.0	165.3	-
21	44.2	39.1	52.7	105.7	60.2	-	98.4	54.2	66.4	39.3	170.5	-
22	39.0	43.7	46.8	107.2	63.5	-	98.6	57.0	62.6	44.7	171.9	-
23	34.9	44.0	40.8	111.1	68.2	-	98.6	56.6	62.6	50.6	173.0	-
24	36.1	42.8	35.9	119.1	70.6	-	98.8	51.0	62.6	56.9	173.9	-
25	39.8	47.4	32.0	108.7	73.0	-	109.0	47.7	62.5	63.5	172.4	-
26	36.3	50.5	35.7	110.8	76.2	-	115.8	47.4	62.5	70.7	167.9	-
27	32.7	52.8	36.4	111.1	83.1	-	112.1	47.0	62.5	78.5	161.1	-
28	30.5	53.5	38.7	110.4	91.5	-	111.9	54.4	53.5	86.3	156.8	-
29	30.0	53.8	39.8	98.1	100.5	-	111.9	63.0	45.7	93.4	148.5	-
30	29.6	54.1	44.8	82.7	110.6	-	112.0	62.8	45.5	99.8	141.7	-
31	29.4	-	53.1	72.5	-	-	112.3	-	45.3	105.5	-	-

Table F-3A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	32.8	31.9	22.8	25.9	86.2	109.7	57.2	112.7	46.8	90.4	52.6	76.2	27.3	49.1	35.7	24.7	258.9	137.6
2	32.3	31.6	22.8	26.3	89.8	-	56.8	110.8	55.0	83.6	58.2	-	26.7	49.1	35.3	26.6	243.4	-
3	32.4	31.5	23.9	26.2	98.0	-	57.1	114.8	49.8	75.6	63.8	-	26.5	44.0	33.9	28.9	229.7	-
4	32.1	31.4	24.7	25.9	101.2	-	65.7	115.3	54.3	68.4	69.9	-	30.2	45.6	30.6	30.4	231.5	-
5	31.9	31.2	25.0	26.6	100.8	-	66.1	115.5	59.5	63.2	78.7	-	31.9	49.1	28.6	29.6	286.0	-
6	31.8	30.9	25.1	27.5	116.2	-	66.2	111.8	64.0	59.3	88.9	-	31.2	51.7	29.3	29.8	310.8	-
7	31.2	30.5	25.0	28.4	112.1	-	68.4	105.4	67.8	58.2	99.4	-	30.9	53.7	28.8	30.9	336.4	-
8	29.6	30.3	24.9	31.2	102.5	-	72.5	102.2	68.6	54.1	109.4	-	30.8	54.2	28.4	32.3	374.9	-
9	29.3	30.0	24.9	34.9	97.4	-	74.7	100.2	73.4	48.2	117.3	-	30.5	54.2	28.2	33.0	396.2	-
10	29.0	29.9	25.0	39.3	88.5	-	75.9	98.7	82.0	43.4	121.3	-	30.3	54.6	27.9	35.4	355.3	-
11	28.8	29.8	25.1	44.8	80.0	-	77.0	97.2	91.0	39.5	122.8	-	30.2	56.7	26.5	39.3	348.5	-
12	28.6	29.6	25.1	50.9	72.5	-	78.0	95.2	100.0	36.9	124.4	-	30.2	57.3	29.3	44.0	342.2	-
13	28.5	25.6	24.7	57.6	66.0	-	79.3	84.5	105.1	35.5	125.9	-	30.2	57.0	29.2	49.2	340.2	-
14	32.5	23.5	24.3	65.0	62.2	-	90.5	80.4	101.6	35.1	127.6	-	30.4	57.0	29.0	54.6	312.3	-
15	34.9	23.3	23.9	71.5	59.2	-	102.2	77.2	95.6	34.7	136.3	-	30.4	58.3	28.1	64.6	276.8	-
16	34.7	23.2	23.6	76.8	63.9	-	114.5	76.7	89.1	32.9	146.5	-	30.5	64.5	25.1	74.8	248.0	-
17	34.4	23.3	23.1	79.1	71.8	-	124.1	71.8	92.7	29.7	148.2	-	30.6	70.5	22.7	85.0	224.5	-
18	33.7	19.7	22.4	79.6	80.4	-	123.6	65.6	101.2	28.3	149.4	-	30.6	72.2	22.1	95.6	204.5	-
19	34.2	18.9	22.1	80.5	88.3	-	136.3	60.6	105.7	26.6	150.2	-	30.7	72.6	21.9	107.0	175.6	-
20	35.3	18.6	21.8	81.9	94.9	-	147.7	55.0	112.1	24.7	151.0	-	30.4	73.1	21.7	127.2	156.1	-
21	35.3	18.5	21.5	84.7	103.8	-	155.2	51.4	113.7	24.6	151.8	-	30.2	73.7	21.5	145.4	139.4	-
22	35.0	18.5	21.2	85.8	115.7	-	158.5	50.8	103.9	24.4	152.4	-	30.0	74.5	21.3	165.4	127.0	-
23	34.7	18.9	20.7	81.8	126.8	-	155.9	47.3	103.4	24.4	146.6	-	29.8	72.5	21.2	185.9	116.8	-
24	34.4	19.1	21.3	76.8	137.3	-	149.3	44.8	103.3	25.3	121.8	-	30.8	64.8	21.2	205.7	108.4	-
25	34.1	19.3	22.3	74.0	148.1	-	140.2	43.5	103.5	30.5	108.5	-	30.0	57.7	21.3	225.8	102.1	-
26	33.8	19.3	22.9	69.0	159.5	-	129.3	43.0	104.1	34.3	97.6	-	33.3	52.5	21.4	245.2	100.1	-
27	33.7	19.3	24.1	63.9	162.6	-	119.4	42.6	104.3	38.2	89.6	-	36.3	50.8	21.3	256.5	99.9	-
28	33.5	22.5	22.2	64.3	154.2	-	114.4	44.4	99.4	37.1	84.1	-	37.0	43.8	21.2	261.8	108.8	-
29	32.4	23.6	22.0	68.1	136.8	-	114.1	44.4	111.6	40.5	82.3	-	41.9	39.7	21.3	260.8	124.6	-
30	31.9	23.2	23.5	74.7	121.6	-	113.6	44.5	111.3	44.0	81.1	-	45.4	36.8	21.9	246.8	140.1	-
31	32.0	-	24.8	81.9	-	-	113.2	-	106.0	47.4	-	-	48.1	-	23.6	241.7	-	-

Table F-3A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	77.5	20.6	34.9	37.1	46.8	88.9	182.5	88.9	44.7	33.9	84.2	110.3
2	70.7	20.0	35.2	42.1	42.1	-	180.8	88.0	44.5	33.8	85.4	-
3	66.2	19.7	35.4	46.8	38.7	-	154.8	87.2	44.3	33.7	88.5	-
4	63.3	19.4	35.7	51.0	36.5	-	140.6	86.5	44.1	33.6	90.2	-
5	62.9	19.0	35.9	54.1	35.0	-	130.3	85.1	43.7	33.4	89.2	-
6	62.5	18.7	36.0	56.2	32.7	-	120.8	99.9	36.9	32.0	87.1	-
7	61.9	18.4	36.2	54.9	30.6	-	107.7	88.9	38.9	29.9	87.6	-
8	61.2	18.2	39.9	59.4	30.4	-	107.7	88.4	42.7	27.9	89.0	-
9	60.4	18.0	40.6	63.2	31.1	-	96.8	87.8	45.5	27.5	90.5	-
10	59.6	17.8	41.0	64.1	31.3	-	87.6	82.0	45.6	27.2	92.1	-
11	58.0	17.5	41.9	64.5	31.0	-	84.3	88.2	37.9	26.9	93.7	-
12	56.5	17.1	42.8	61.9	32.5	-	83.0	85.0	36.2	26.6	97.2	-
13	55.7	16.8	45.6	60.4	33.8	-	79.7	84.5	35.8	23.0	102.4	-
14	55.0	16.6	47.3	61.0	34.7	-	72.1	71.6	40.6	22.1	108.7	-
15	54.1	16.5	47.5	62.7	33.0	-	77.2	66.3	41.7	20.2	113.3	-
16	53.1	16.4	47.4	67.7	34.4	-	76.6	59.5	44.8	19.6	124.8	-
17	52.0	16.3	47.3	68.0	35.0	-	78.9	52.8	45.8	19.7	126.0	-
18	50.6	16.2	48.7	67.8	35.4	-	82.3	47.4	45.9	21.2	126.6	-
19	48.5	19.0	42.0	68.4	37.0	-	85.8	43.3	45.9	23.3	129.9	-
20	45.2	20.0	40.0	69.4	39.2	-	92.1	41.3	45.9	25.5	133.7	-
21	39.8	20.5	38.9	70.6	41.9	-	94.9	41.2	45.4	27.8	132.4	-
22	35.0	23.2	34.0	72.0	44.7	-	93.3	43.2	42.6	32.4	133.4	-
23	31.0	26.5	29.3	74.1	49.1	-	93.3	42.6	42.6	36.8	134.4	-
24	28.3	25.8	25.5	79.3	51.0	-	92.9	42.0	42.6	41.5	135.3	-
25	30.7	28.2	22.5	73.9	53.0	-	89.6	41.2	42.5	46.5	134.5	-
26	28.4	30.2	24.4	73.8	55.2	-	89.3	40.6	42.4	52.1	131.5	-
27	25.4	31.8	25.1	74.6	59.5	-	88.6	39.9	42.2	58.3	125.5	-
28	23.5	33.0	26.2	74.3	65.9	-	88.4	39.2	42.0	64.8	122.8	-
29	22.6	33.7	27.0	73.6	73.0	-	88.1	45.6	34.9	71.0	117.0	-
30	21.9	34.3	27.0	61.0	80.8	-	89.0	45.2	34.4	76.4	111.9	-
31	21.2	-	32.3	53.0	-	-	89.0	-	34.1	81.7	-	-

Table F-3B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	33.4	38.7	25.2	25.8	95.1	118.7	59.5	118.4	63.6	111.5	51.1	84.9	32.2	51.6	46.6	25.8	258.7	140.0
2	33.0	38.4	25.5	26.2	99.5	-	58.8	116.8	77.2	95.9	56.6	-	31.5	51.6	46.0	27.6	248.0	-
3	33.1	38.2	26.6	26.3	107.8	-	59.3	117.4	78.1	83.2	62.3	-	31.2	51.2	39.6	29.9	234.3	-
4	32.9	37.9	27.6	26.0	112.6	-	67.3	118.9	87.9	75.1	68.4	-	35.9	52.4	34.7	31.2	237.4	-
5	32.6	37.6	28.1	26.5	113.2	-	67.4	119.1	96.3	69.2	77.4	-	39.3	56.5	32.7	30.6	282.6	-
6	32.4	36.9	28.2	27.4	128.7	-	67.5	115.4	103.9	64.8	87.5	-	38.5	59.7	33.1	30.4	309.0	-
7	31.5	36.3	28.0	28.4	128.9	-	69.8	107.8	110.2	63.1	97.7	-	37.9	62.0	33.0	31.6	335.4	-
8	29.0	36.1	27.8	31.3	118.8	-	74.7	102.6	112.3	56.7	107.7	-	37.6	62.8	32.4	33.0	371.4	-
9	28.7	35.8	27.8	35.0	109.3	-	78.4	99.8	124.7	50.1	115.6	-	37.3	62.7	32.2	33.9	383.2	-
10	28.4	35.7	28.0	40.5	97.4	-	80.3	98.1	140.7	45.1	119.9	-	37.2	63.4	31.6	37.1	343.0	-
11	28.1	35.6	28.1	47.3	88.2	-	81.6	96.5	156.2	41.0	121.5	-	37.0	65.7	30.4	41.2	336.1	-
12	27.9	35.4	28.0	53.6	80.0	-	82.7	94.7	171.6	38.3	122.9	-	37.1	66.5	33.5	45.5	330.0	-
13	27.8	30.6	27.6	60.5	73.1	-	84.1	85.5	181.1	36.9	124.2	-	37.1	66.5	33.9	50.8	326.3	-
14	31.9	27.5	27.2	67.9	68.8	-	94.0	83.1	171.7	36.4	125.5	-	37.2	66.6	33.6	56.6	300.5	-
15	35.1	27.3	26.8	74.5	67.4	-	106.0	82.0	157.7	36.0	133.2	-	37.1	74.6	29.7	66.5	268.8	-
16	34.9	27.2	26.4	79.8	72.3	-	118.4	81.2	147.7	34.0	142.7	-	37.2	83.9	26.2	76.8	240.7	-
17	34.6	23.6	25.9	82.7	81.2	-	128.3	76.7	152.6	29.4	145.9	-	37.3	91.4	23.8	87.6	217.7	-
18	39.3	19.8	25.2	83.4	91.2	-	129.4	70.1	175.1	27.8	147.4	-	37.4	95.2	22.7	99.0	198.3	-
19	41.0	18.8	24.7	84.5	100.5	-	141.7	64.7	183.8	26.0	148.4	-	37.2	95.9	22.4	111.3	173.3	-
20	42.4	18.3	24.3	86.3	108.6	-	153.6	58.7	195.0	24.2	149.4	-	36.5	96.6	22.1	130.3	153.9	-
21	42.6	18.2	23.9	89.2	118.8	-	161.0	52.9	196.1	23.7	150.2	-	36.3	97.7	21.9	149.6	137.7	-
22	42.1	18.1	23.5	90.6	132.6	-	168.5	52.3	181.6	23.6	150.9	-	36.0	99.0	21.7	170.8	125.1	-
23	41.7	18.4	23.0	86.8	146.0	-	165.8	49.8	176.3	23.5	143.6	-	35.8	94.5	21.5	192.9	115.0	-
24	41.3	18.7	23.5	81.6	158.2	-	158.8	47.1	176.0	24.7	123.5	-	32.9	84.5	21.5	214.2	106.7	-
25	40.9	18.8	24.6	78.6	170.4	-	147.9	45.6	176.5	28.8	110.1	-	31.7	75.1	21.6	235.5	100.5	-
26	40.5	18.8	25.4	72.0	182.3	-	136.6	44.9	177.7	32.4	99.1	-	34.4	68.0	21.7	255.4	98.1	-
27	40.3	20.9	24.7	66.9	184.2	-	126.3	44.5	178.0	36.1	96.2	-	37.6	64.8	21.7	267.6	97.8	-
28	40.1	24.4	22.7	67.7	165.9	-	120.7	46.1	171.1	36.2	94.0	-	39.1	56.8	21.6	269.2	106.6	-
29	39.2	25.8	22.4	75.0	148.4	-	119.9	46.1	186.3	39.3	91.8	-	44.0	51.7	22.0	264.1	124.8	-
30	38.7	25.4	24.0	82.2	131.8	-	119.4	54.4	158.3	42.6	90.1	-	47.5	48.0	22.9	250.5	140.6	-
31	38.9	-	25.2	89.8	-	-	119.0	-	135.4	46.0	-	-	50.4	-	24.5	243.1	-	-

Table F-3B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	77.9	22.6	41.9	40.4	50.6	87.5	192.0	115.5	57.0	37.1	83.7	124.6
2	71.1	22.0	42.1	45.8	45.3	-	188.4	114.7	56.6	36.9	85.3	-
3	66.9	21.6	42.2	51.2	41.4	-	165.8	104.7	56.2	36.8	92.0	-
4	64.3	21.1	42.5	56.1	38.9	-	163.5	103.2	55.9	36.6	94.7	-
5	63.6	20.6	42.8	59.8	35.9	-	152.1	101.9	55.5	36.3	94.0	-
6	63.2	20.2	43.0	60.4	32.9	-	140.2	117.3	47.8	34.6	92.1	-
7	62.5	19.9	46.5	59.3	30.9	-	123.6	109.9	49.7	32.2	92.4	-
8	61.6	19.6	52.0	63.0	30.6	-	119.2	109.4	54.3	30.2	93.8	-
9	60.6	19.4	53.8	67.3	31.1	-	107.3	108.3	58.0	29.3	95.3	-
10	59.7	19.1	54.5	68.7	31.4	-	97.5	95.8	58.8	29.0	96.9	-
11	58.0	18.8	55.7	68.8	31.3	-	98.1	97.8	49.1	28.8	98.7	-
12	57.0	18.5	57.0	66.2	32.7	-	100.8	97.4	45.3	28.4	102.3	-
13	56.2	18.2	60.3	64.6	34.1	-	96.7	96.4	44.8	25.5	107.7	-
14	55.5	17.9	62.6	65.1	34.5	-	88.1	86.2	49.2	22.8	113.7	-
15	54.7	17.8	63.0	67.6	33.4	-	89.4	80.0	54.0	20.4	118.0	-
16	53.8	17.7	62.8	72.5	34.4	-	88.7	72.2	59.6	19.8	128.3	-
17	52.9	17.5	62.9	73.9	35.6	-	91.0	64.1	61.2	20.2	129.7	-
18	51.4	20.5	54.7	73.6	36.0	-	95.0	57.4	61.5	21.7	135.6	-
19	49.2	24.4	46.6	74.4	37.4	-	99.0	52.3	61.5	23.8	139.3	-
20	45.6	26.5	43.1	75.9	39.6	-	106.0	49.7	61.5	26.1	143.1	-
21	39.9	27.5	41.4	77.4	42.3	-	109.6	52.3	57.3	28.5	148.8	-
22	34.9	30.6	36.6	79.2	45.0	-	108.9	56.7	52.0	32.3	150.4	-
23	30.8	32.5	31.5	82.1	48.6	-	108.8	56.0	52.1	36.7	151.5	-
24	30.2	31.8	27.3	88.0	50.6	-	107.8	51.6	52.0	41.5	152.6	-
25	32.6	33.5	24.1	83.5	52.6	-	111.2	46.5	51.9	46.5	151.7	-
26	31.1	36.1	25.5	82.3	54.8	-	120.3	45.6	51.8	52.1	148.3	-
27	27.8	38.1	26.7	83.1	59.0	-	117.0	44.6	51.7	58.2	142.3	-
28	25.6	39.4	27.8	82.9	65.1	-	115.5	48.7	46.4	64.5	138.9	-
29	24.5	40.4	28.7	79.0	71.8	-	115.2	56.9	38.7	70.3	132.5	-
30	23.8	41.1	29.8	66.3	79.3	-	115.6	57.5	37.6	75.6	126.8	-
31	23.2	-	35.3	57.5	-	-	115.7	-	37.3	80.6	-	-

Table F-4A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	23.4	24.0	15.9	15.5	53.2	81.9	44.2	85.7	31.7	70.0	31.1	60.3	21.4	36.3	26.0	16.0	173.5	112.2
2	22.4	23.7	16.3	15.8	55.8	-	43.3	84.0	39.2	64.7	34.6	-	20.4	36.4	25.6	16.9	170.4	-
3	22.6	23.4	16.9	15.8	60.0	-	43.7	75.4	40.6	57.3	38.4	-	20.2	31.3	24.9	18.4	161.4	-
4	22.6	23.2	17.6	15.7	64.4	-	49.8	76.1	44.7	51.2	42.0	-	23.2	31.1	21.6	19.7	158.8	-
5	22.3	23.0	18.0	15.7	66.0	-	49.2	76.3	49.2	46.8	47.7	-	26.0	33.3	19.7	19.4	192.0	-
6	22.2	22.7	18.2	16.0	67.4	-	49.4	75.8	53.3	43.4	54.7	-	25.9	35.3	19.8	19.0	213.2	-
7	21.9	22.1	18.2	16.4	72.6	-	49.8	71.1	57.0	41.7	61.6	-	25.3	36.8	19.9	19.5	234.5	-
8	19.8	21.9	18.1	17.7	67.4	-	53.1	66.4	58.6	39.9	68.7	-	25.1	37.7	19.5	20.3	261.1	-
9	19.4	21.7	18.1	19.8	63.2	-	56.7	64.6	61.0	35.1	74.8	-	24.8	37.6	19.3	21.0	287.5	-
10	19.1	21.6	18.2	22.3	55.9	-	58.0	63.1	68.9	31.2	78.7	-	24.7	37.7	19.1	22.1	253.4	-
11	18.8	21.6	18.3	26.6	51.0	-	59.1	61.8	77.2	28.1	80.5	-	24.5	38.9	18.2	25.6	249.3	-
12	18.6	21.4	18.4	30.0	46.6	-	60.3	60.3	86.0	25.9	82.0	-	24.6	39.8	19.5	26.9	244.4	-
13	18.4	18.8	18.4	33.7	43.4	-	61.3	56.5	92.9	24.5	82.9	-	24.7	39.9	20.8	29.9	245.1	-
14	20.7	16.4	18.1	37.2	41.7	-	65.4	50.8	95.3	24.1	84.2	-	24.7	40.0	20.7	33.2	233.4	-
15	23.6	15.8	17.7	40.7	40.2	-	74.4	49.7	87.8	23.6	86.2	-	24.6	40.2	20.5	38.3	210.9	-
16	24.7	15.9	17.4	43.7	42.2	-	84.2	49.3	82.3	23.1	93.5	-	24.6	45.7	17.8	44.8	188.4	-
17	24.7	16.0	17.0	46.1	47.4	-	91.9	47.5	80.8	19.5	96.1	-	24.7	50.1	16.0	52.0	170.1	-
18	24.1	13.2	16.6	46.9	53.8	-	94.2	43.1	93.9	18.4	97.6	-	24.5	53.3	14.8	59.4	155.1	-
19	25.1	12.1	16.1	47.6	59.8	-	101.3	39.6	98.6	17.3	98.7	-	24.2	54.0	14.5	67.3	133.3	-
20	26.5	11.7	15.9	48.5	65.5	-	110.7	36.0	104.3	15.9	99.6	-	23.8	54.5	14.3	81.0	117.9	-
21	26.8	11.6	15.6	49.8	71.7	-	119.0	31.9	110.7	15.4	100.7	-	23.6	55.2	14.1	94.2	104.8	-
22	26.5	11.4	15.5	51.1	80.2	-	123.2	31.6	102.2	15.2	101.3	-	23.4	56.1	13.9	108.9	95.0	-
23	26.2	11.5	15.2	50.5	88.9	-	121.5	30.3	98.0	15.2	101.3	-	23.2	56.4	13.8	124.8	87.1	-
24	25.8	11.6	15.1	48.1	97.2	-	116.3	28.5	97.7	15.2	91.0	-	23.3	50.3	13.7	140.1	80.6	-
25	25.5	11.7	15.6	46.0	105.1	-	109.5	27.3	97.9	16.9	80.6	-	22.5	44.2	13.8	155.8	75.4	-
26	25.1	11.7	16.2	41.3	113.4	-	101.0	26.7	98.9	19.2	72.1	-	23.2	39.5	13.8	171.9	73.3	-
27	25.0	11.7	17.9	38.0	119.0	-	92.9	26.2	99.5	21.5	66.1	-	25.5	36.8	13.8	183.8	73.4	-
28	24.9	13.6	16.6	37.2	114.2	-	88.4	26.8	96.4	22.7	65.9	-	26.9	32.4	13.7	189.7	77.1	-
29	24.5	15.3	15.4	40.0	103.7	-	87.5	26.8	100.2	24.0	64.2	-	30.2	29.4	13.7	189.0	89.1	-
30	24.0	15.9	15.2	44.2	91.5	-	86.9	26.9	102.7	26.1	64.2	-	32.7	27.0	14.3	183.9	101.1	-
31	24.0	-	15.7	49.4	-	-	86.4	-	87.1	27.9	-	-	34.9	-	15.1	177.5	-	-

Table F-4A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	61.5	15.2	25.4	23.9	32.9	49.1	157.0	69.9	35.7	22.0	54.6	87.5
2	56.3	14.6	26.0	27.2	29.2	-	153.8	70.3	34.8	22.0	56.0	-
3	53.4	13.9	26.2	30.7	26.5	-	134.9	69.3	34.1	21.8	57.3	-
4	52.0	13.5	26.4	33.9	24.6	-	123.3	68.3	33.8	21.7	60.7	-
5	51.3	13.1	26.6	36.6	23.5	-	113.9	66.9	33.5	21.6	61.0	-
6	50.7	12.8	26.7	38.2	21.1	-	105.9	74.7	29.3	20.9	60.0	-
7	50.0	12.5	26.9	38.3	19.5	-	93.2	70.9	29.4	19.2	59.9	-
8	49.0	12.3	30.1	39.1	18.9	-	88.9	70.3	32.4	18.0	61.0	-
9	48.0	12.1	32.6	41.9	18.9	-	79.6	69.5	34.8	17.1	62.5	-
10	47.0	11.9	33.2	43.8	19.2	-	71.9	65.8	35.8	16.8	64.1	-
11	45.6	11.7	33.7	44.3	19.0	-	67.8	65.0	31.9	16.6	65.6	-
12	44.6	11.5	34.3	44.0	19.3	-	67.1	64.0	29.3	16.3	68.3	-
13	43.7	11.3	35.4	42.7	19.8	-	64.6	63.6	28.6	15.6	72.0	-
14	43.1	11.1	37.2	42.6	20.0	-	58.3	58.5	29.1	14.6	76.6	-
15	42.5	11.0	37.9	43.5	19.6	-	57.0	54.0	30.4	12.7	80.7	-
16	41.8	10.8	38.1	45.9	19.6	-	56.2	49.0	33.9	12.0	90.9	-
17	41.4	10.7	38.2	48.3	20.4	-	57.6	43.4	35.2	12.0	93.1	-
18	39.9	10.5	38.6	48.3	20.6	-	60.3	38.4	35.5	12.8	93.7	-
19	38.3	12.6	32.7	48.6	21.1	-	62.7	34.6	35.6	14.0	96.7	-
20	35.5	14.3	29.0	49.8	22.2	-	67.6	32.6	35.6	15.4	99.9	-
21	30.6	15.1	27.5	50.8	23.6	-	70.0	31.9	35.4	16.8	102.1	-
22	26.5	16.4	25.0	52.0	25.2	-	69.0	34.9	31.6	19.2	103.2	-
23	23.0	19.0	21.3	53.4	26.8	-	69.0	34.8	31.1	22.0	104.2	-
24	20.6	19.0	18.3	56.7	28.3	-	69.0	34.0	31.1	25.1	105.5	-
25	21.7	19.2	15.9	54.2	29.5	-	66.4	30.8	31.0	28.4	105.5	-
26	21.9	20.3	16.3	51.7	31.1	-	70.9	30.0	30.9	32.0	103.8	-
27	19.9	21.5	17.4	52.4	33.0	-	70.7	29.3	30.7	36.1	99.4	-
28	18.1	22.5	17.8	52.8	35.9	-	69.4	28.6	30.5	40.5	97.7	-
29	17.1	23.4	18.3	52.3	39.6	-	69.2	33.2	25.3	44.6	93.2	-
30	16.5	24.3	18.4	44.2	44.1	-	69.6	35.8	22.8	48.4	89.3	-
31	15.8	-	21.0	38.0	-	-	69.7	-	22.3	52.0	-	-

Table F-4B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	25.3	27.6	19.0	17.2	59.4	85.2	49.0	99.6	44.1	86.4	33.1	62.7	24.1	37.0	31.0	15.7	186.6	122.8
2	24.0	27.4	19.2	17.1	62.8	-	47.3	97.7	53.9	76.7	36.9	-	22.8	37.2	30.4	16.6	194.8	-
3	23.9	27.1	20.1	17.1	66.8	-	47.5	96.1	53.8	65.0	40.9	-	22.5	36.4	27.1	17.9	185.4	-
4	23.9	26.9	21.0	16.9	71.6	-	53.7	101.1	57.6	58.1	45.1	-	25.0	36.9	23.1	19.0	185.3	-
5	23.7	26.7	21.7	16.6	73.9	-	55.3	101.3	63.2	52.9	51.4	-	28.2	38.0	21.3	18.9	221.6	-
6	23.5	26.3	22.2	16.7	80.2	-	55.3	99.5	68.5	49.0	58.7	-	29.0	40.3	21.0	18.5	248.3	-
7	23.2	25.7	22.6	17.0	87.5	-	56.2	93.3	73.2	46.8	66.2	-	28.3	42.0	21.2	18.7	274.0	-
8	21.4	25.4	22.6	17.9	82.1	-	59.7	86.9	75.9	43.5	73.8	-	28.0	43.0	20.9	19.4	305.1	-
9	20.9	25.2	22.8	19.9	76.6	-	63.7	83.9	81.1	37.7	80.3	-	27.7	43.0	20.6	20.1	330.6	-
10	20.6	25.0	23.2	22.4	68.4	-	65.6	81.4	93.1	33.6	84.7	-	27.5	43.0	20.4	21.3	297.9	-
11	20.4	24.9	23.4	26.5	62.3	-	67.2	79.4	104.3	30.2	86.8	-	27.3	44.3	19.5	24.3	287.8	-
12	20.1	24.8	23.5	29.8	56.7	-	68.6	77.3	115.7	27.8	88.4	-	27.3	45.3	20.8	25.9	283.1	-
13	20.0	22.1	23.3	33.6	52.0	-	69.9	69.6	124.5	26.4	89.9	-	27.2	45.5	22.2	28.7	282.3	-
14	22.3	19.4	22.8	37.6	48.7	-	77.8	63.8	125.2	25.7	91.4	-	27.3	45.5	22.3	32.1	262.5	-
15	25.2	18.2	22.4	41.5	46.9	-	88.5	62.8	115.1	25.3	96.2	-	27.2	47.3	21.2	38.0	236.8	-
16	26.7	18.1	22.0	44.7	49.1	-	100.0	61.9	107.4	24.2	104.0	-	27.2	53.7	18.4	44.5	211.8	-
17	26.5	17.0	21.5	46.9	54.4	-	109.4	59.5	107.3	20.7	108.6	-	27.2	59.0	16.5	51.5	191.4	-
18	27.9	14.2	21.1	48.1	61.3	-	112.2	54.2	123.4	19.3	110.5	-	27.2	63.0	15.3	58.9	174.5	-
19	29.1	12.4	20.6	48.7	68.2	-	119.8	49.7	130.9	18.0	111.9	-	27.0	64.5	14.8	66.9	152.6	-
20	30.5	11.9	20.2	49.3	74.8	-	130.8	44.9	138.6	16.6	113.0	-	26.5	65.3	14.6	79.3	134.8	-
21	31.1	11.8	20.0	50.3	81.8	-	139.1	39.6	142.9	15.9	114.2	-	26.1	66.0	14.3	92.7	120.0	-
22	30.8	11.7	19.8	51.4	91.1	-	147.2	38.9	134.2	15.7	115.0	-	25.7	67.1	14.1	107.3	108.7	-
23	30.4	11.7	19.4	51.2	100.8	-	144.1	37.7	127.1	15.7	113.0	-	25.4	66.4	13.9	123.1	99.7	-
24	30.0	11.9	19.2	49.3	110.0	-	138.2	35.4	126.8	16.0	96.6	-	24.7	59.8	13.8	138.5	92.4	-
25	29.6	12.0	19.7	47.3	118.9	-	128.8	33.9	127.2	18.7	85.3	-	23.9	52.9	13.8	154.2	86.6	-
26	29.2	12.0	20.3	42.8	128.2	-	119.0	33.1	128.4	21.3	76.3	-	24.3	47.5	13.8	169.8	83.8	-
27	28.9	14.0	19.1	39.3	133.2	-	109.7	32.5	129.1	23.8	70.1	-	26.3	44.4	13.7	181.6	83.3	-
28	28.7	16.3	17.7	38.8	120.5	-	104.0	33.3	125.1	24.4	69.1	-	27.7	39.3	13.6	187.4	90.1	-
29	28.2	18.3	16.5	43.9	107.5	-	102.4	33.4	133.1	25.5	67.0	-	30.8	35.5	13.6	187.0	105.9	-
30	27.6	19.1	16.3	49.3	95.1	-	101.5	37.4	124.5	27.7	66.3	-	33.5	32.6	14.0	180.9	120.0	-
31	27.6	-	16.9	54.9	-	-	100.7	-	105.5	29.8	-	-	35.6	-	14.9	175.1	-	-

Table F-4B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	63.9	16.7	28.0	30.4	32.9	50.3	169.8	95.8	46.6	24.0	52.8	98.6
2	58.3	16.1	28.6	34.4	29.2	-	163.3	95.1	46.0	23.8	54.5	-
3	54.5	15.6	29.0	38.3	26.4	-	144.1	87.5	45.4	23.6	57.5	-
4	52.3	15.1	29.5	41.9	24.5	-	140.8	81.7	44.7	23.4	62.6	-
5	51.5	14.6	30.1	44.9	23.2	-	137.5	80.5	44.2	23.3	63.5	-
6	51.2	14.2	30.5	43.5	20.9	-	127.0	90.8	38.4	22.2	62.9	-
7	50.6	13.7	33.4	43.7	19.4	-	111.7	92.3	36.1	20.5	62.8	-
8	50.0	13.3	37.1	44.1	18.7	-	106.7	90.1	39.4	19.1	63.8	-
9	49.5	13.0	40.3	46.9	18.7	-	97.3	89.2	42.3	18.2	65.4	-
10	48.9	12.8	41.3	48.9	18.9	-	88.1	83.1	43.7	17.9	67.1	-
11	47.7	12.6	41.8	49.5	18.8	-	84.2	82.0	37.1	17.6	68.7	-
12	46.7	12.4	42.5	48.9	19.2	-	87.0	86.4	31.9	17.4	71.4	-
13	45.8	12.1	44.0	47.6	19.9	-	83.6	84.9	31.0	15.8	75.4	-
14	45.1	11.9	46.0	47.2	20.4	-	76.7	76.1	33.2	14.4	80.2	-
15	44.5	11.7	47.1	48.0	20.0	-	77.1	70.3	35.6	12.6	84.5	-
16	43.7	11.6	47.3	50.8	20.0	-	76.1	63.3	39.5	11.9	93.5	-
17	42.7	11.5	47.3	53.3	20.7	-	77.8	55.8	41.3	11.9	96.5	-
18	41.3	12.1	44.6	53.8	20.9	-	81.2	49.4	41.7	12.5	100.3	-
19	39.9	14.2	38.3	54.2	21.3	-	84.5	44.6	41.8	13.6	105.2	-
20	37.2	16.2	33.5	55.2	22.2	-	90.4	41.7	41.7	14.9	108.9	-
21	32.7	17.4	31.1	56.3	23.6	-	94.0	40.8	41.2	16.3	113.6	-
22	28.6	19.1	28.1	57.3	25.1	-	93.8	43.8	37.5	18.5	115.6	-
23	24.9	21.8	24.1	58.6	27.4	-	93.9	44.7	36.0	21.2	116.8	-
24	22.4	21.8	20.8	61.7	29.1	-	93.6	43.5	35.9	24.2	118.1	-
25	23.6	21.8	18.3	57.8	30.4	-	91.0	38.4	35.7	27.4	118.1	-
26	23.8	22.9	19.0	55.5	31.9	-	99.6	37.5	35.5	30.9	116.2	-
27	22.0	24.2	20.2	56.0	33.9	-	98.2	36.5	35.3	34.7	111.9	-
28	20.1	25.3	20.7	56.3	37.0	-	95.0	37.1	33.6	38.9	109.4	-
29	18.9	26.3	21.2	52.9	40.9	-	95.2	42.7	28.1	42.9	105.3	-
30	18.1	27.1	22.6	44.5	45.4	-	95.5	47.0	24.8	46.6	101.0	-
31	17.4	-	26.3	37.8	-	-	95.7	-	24.3	50.1	-	-

Table F-5A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	27.0	30.9	17.9	19.7	46.4	94.3	54.7	118.6	44.5	82.1	30.0	55.3	28.6	40.7	27.8	14.5	246.3	128.2
2	25.4	30.6	18.1	19.5	49.1	-	52.4	114.3	55.3	75.8	33.4	-	26.7	41.0	27.3	15.2	256.2	-
3	25.3	30.3	19.1	19.3	52.0	-	52.6	128.5	47.0	64.7	37.0	-	26.0	32.7	26.7	16.2	245.9	-
4	25.3	30.1	20.0	18.9	55.7	-	58.0	132.5	51.7	57.8	40.3	-	32.1	33.2	22.7	17.1	250.2	-
5	25.1	29.8	20.8	18.5	57.8	-	58.3	132.7	56.6	52.6	46.0	-	36.1	34.1	20.9	17.2	313.8	-
6	24.9	29.4	21.4	18.4	72.7	-	57.9	127.1	61.1	48.6	52.4	-	36.6	36.0	20.5	16.8	351.0	-
7	24.3	28.6	21.9	18.7	81.9	-	60.0	117.2	65.1	46.0	58.9	-	35.7	37.3	20.6	16.9	389.4	-
8	22.4	28.3	22.2	19.1	79.6	-	64.4	108.4	68.2	44.7	65.5	-	35.2	38.3	20.3	17.3	433.7	-
9	22.0	27.9	22.5	20.5	75.0	-	68.8	102.9	69.8	39.2	71.3	-	34.7	38.2	20.1	17.8	473.1	-
10	21.8	27.4	23.3	22.5	67.5	-	71.6	97.9	79.0	34.9	75.6	-	34.4	38.2	19.8	18.8	429.1	-
11	21.6	27.2	23.8	26.2	62.3	-	74.5	93.4	88.0	31.3	77.8	-	33.9	38.8	19.2	21.3	415.8	-
12	21.4	26.9	24.2	29.4	57.6	-	77.4	88.7	97.4	28.7	79.4	-	33.5	39.7	20.3	22.6	411.0	-
13	21.3	20.8	24.2	32.7	53.5	-	80.4	74.6	102.4	26.9	81.1	-	33.2	39.7	21.7	24.5	413.0	-
14	27.1	18.5	23.6	36.2	51.1	-	97.6	68.6	103.2	25.8	82.5	-	33.3	40.0	22.0	27.2	322.3	-
15	30.6	17.0	23.2	39.6	49.4	-	110.5	68.5	93.6	25.2	88.0	-	33.0	40.6	21.5	38.6	292.4	-
16	33.2	16.7	22.7	42.4	51.2	-	125.2	67.2	87.7	24.6	95.4	-	32.8	46.8	18.4	45.4	263.3	-
17	33.7	17.0	22.1	44.4	56.3	-	137.7	65.5	84.8	20.4	99.6	-	32.6	51.5	16.5	52.7	240.0	-
18	32.7	14.3	21.7	45.5	63.2	-	140.5	59.5	99.8	19.1	101.5	-	32.4	55.3	15.2	60.2	220.7	-
19	33.7	12.6	21.2	46.1	69.9	-	149.4	54.7	105.3	17.9	102.8	-	32.1	56.9	14.6	68.4	190.4	-
20	35.9	12.1	20.8	46.7	76.5	-	162.5	50.0	110.9	16.4	103.9	-	31.3	57.7	14.3	82.8	169.3	-
21	36.5	12.0	20.6	47.4	83.3	-	173.5	42.8	119.2	15.7	104.8	-	30.5	58.5	14.0	96.7	151.3	-
22	36.0	11.9	20.3	48.2	91.9	-	183.5	42.3	111.7	15.4	105.6	-	29.9	59.4	13.7	112.4	139.2	-
23	35.3	12.1	19.8	48.6	101.1	-	180.8	41.1	105.8	15.3	106.3	-	29.4	59.3	13.5	129.0	128.8	-
24	34.7	12.3	19.3	47.5	109.6	-	172.9	38.5	105.9	15.1	83.9	-	29.1	53.9	13.3	145.7	120.3	-
25	34.0	12.5	19.4	46.1	118.3	-	162.6	36.9	106.5	19.0	74.2	-	28.3	48.0	13.2	163.1	113.2	-
26	33.4	12.5	19.6	37.3	127.7	-	150.1	35.9	107.8	21.4	66.2	-	28.4	43.4	13.1	181.6	109.1	-
27	33.0	12.6	23.7	33.1	134.6	-	138.3	35.2	108.5	24.0	60.4	-	30.1	40.8	12.7	197.9	107.6	-
28	32.6	15.1	22.0	31.6	129.4	-	130.9	37.2	100.9	22.8	60.6	-	31.3	35.4	12.4	206.2	111.9	-
29	31.1	16.8	20.4	34.2	117.6	-	127.2	37.3	115.0	23.2	58.6	-	34.6	32.0	12.4	206.3	130.3	-
30	30.7	17.6	19.3	38.6	104.6	-	123.7	37.3	122.0	25.2	58.6	-	37.0	29.4	12.9	200.9	147.0	-
31	30.9	-	19.3	42.8	-	-	120.8	-	102.2	27.0	-	-	39.1	-	13.6	195.7	-	-

Table F-5A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	81.9	19.1	24.9	31.5	29.4	39.9	223.6	113.7	53.8	25.0	43.2	100.0
2	76.0	18.1	25.7	35.3	26.1	-	214.7	113.0	52.7	24.8	44.9	-
3	71.9	17.4	26.3	39.0	23.7	-	180.0	112.3	51.7	24.5	47.9	-
4	69.6	16.7	27.0	42.2	22.0	-	163.6	109.2	50.7	24.2	52.6	-
5	68.9	16.0	27.7	44.8	20.5	-	154.7	106.6	49.8	24.0	54.6	-
6	68.6	15.4	28.3	47.3	18.4	-	145.7	132.1	39.1	23.3	55.2	-
7	68.0	14.7	28.9	47.1	17.1	-	127.4	121.3	36.7	21.4	56.1	-
8	67.3	14.1	32.6	47.1	16.1	-	131.8	120.0	39.8	19.9	57.9	-
9	66.9	13.6	35.6	49.2	15.9	-	119.2	118.3	42.4	18.8	60.3	-
10	66.4	13.2	36.9	51.4	15.8	-	108.8	112.9	43.7	18.4	62.8	-
11	64.5	12.9	37.4	52.4	15.7	-	102.3	116.9	36.8	18.0	65.1	-
12	62.5	12.6	38.0	53.0	15.5	-	102.8	120.8	32.0	17.7	67.8	-
13	61.1	12.2	38.7	52.3	15.8	-	99.2	118.5	30.8	14.1	71.7	-
14	59.8	12.0	40.0	51.9	15.9	-	91.7	98.6	37.2	12.6	76.3	-
15	58.5	11.7	41.1	52.9	15.8	-	99.4	91.3	40.2	10.8	80.7	-
16	57.2	11.6	41.4	54.6	15.5	-	97.9	82.0	45.0	10.1	89.0	-
17	55.8	11.5	41.5	57.5	16.0	-	99.7	72.4	47.0	10.0	92.6	-
18	53.9	11.3	41.6	58.3	16.2	-	103.4	64.1	47.5	10.3	93.7	-
19	51.3	13.0	36.1	58.8	16.2	-	106.9	57.9	47.4	11.2	97.4	-
20	46.8	14.8	31.5	59.9	16.8	-	113.5	54.3	47.2	12.2	101.6	-
21	40.7	15.8	29.1	60.9	17.5	-	116.5	53.3	46.0	13.3	110.3	-
22	35.7	17.0	26.9	61.9	18.4	-	114.3	56.4	41.8	14.8	112.0	-
23	31.2	19.4	23.2	63.4	21.5	-	114.5	57.4	40.0	17.0	113.4	-
24	28.0	18.8	20.1	65.4	23.2	-	113.7	56.0	39.5	19.3	114.9	-
25	29.7	18.8	17.8	55.5	24.3	-	108.2	49.2	39.1	21.8	115.4	-
26	29.9	19.5	20.0	52.1	25.7	-	116.8	47.7	38.7	24.6	114.3	-
27	28.0	20.5	21.3	51.3	27.4	-	114.1	46.0	38.0	27.7	110.1	-
28	25.7	21.6	21.8	51.7	29.6	-	111.0	43.9	37.2	31.3	108.1	-
29	23.8	22.6	21.9	51.7	32.5	-	111.9	48.6	31.1	34.7	105.0	-
30	22.0	23.7	21.8	39.5	36.1	-	113.8	53.6	26.6	37.9	101.8	-
31	20.4	-	27.7	33.8	-	-	113.9	-	25.3	40.8	-	-

Table F-5B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	33.1	41.4	21.5	18.8	58.6	92.5	68.5	137.2	65.0	107.7	28.9	56.7	37.2	43.8	38.9	18.0	261.0	142.0
2	31.3	40.9	22.2	18.5	62.6	-	65.8	132.4	82.0	89.7	32.1	-	34.8	44.0	38.0	18.9	278.8	-
3	31.2	40.4	23.4	18.2	66.3	-	66.0	134.2	80.5	75.8	35.6	-	33.9	41.8	31.7	20.1	270.6	-
4	31.1	39.9	24.6	17.9	71.0	-	76.7	138.3	84.5	67.7	39.2	-	40.9	41.9	27.0	21.1	277.1	-
5	30.8	39.5	25.6	17.5	74.6	-	81.0	138.7	92.0	61.3	44.6	-	46.3	42.0	24.8	21.3	344.7	-
6	30.5	38.6	26.4	17.4	90.2	-	80.3	132.9	99.5	56.6	50.8	-	48.1	44.0	24.0	20.9	393.4	-
7	28.1	37.6	26.9	17.5	101.0	-	83.1	122.1	106.1	53.4	57.1	-	47.0	45.7	24.1	20.8	438.8	-
8	25.3	37.1	27.2	18.0	99.3	-	89.4	111.9	111.3	46.6	63.6	-	46.3	46.7	23.9	21.3	489.1	-
9	24.2	36.6	27.6	19.3	84.3	-	96.3	105.4	127.0	40.3	69.4	-	45.6	46.6	23.6	22.0	468.5	-
10	23.8	36.1	28.5	23.6	75.7	-	101.0	100.0	145.8	35.9	73.5	-	45.2	46.7	23.3	21.7	414.2	-
11	23.6	35.7	29.2	27.6	69.5	-	105.4	95.6	163.0	32.3	75.6	-	44.6	47.5	27.5	24.3	390.0	-
12	23.4	35.4	29.6	31.0	64.4	-	109.1	91.3	180.6	29.6	77.0	-	44.2	48.6	30.3	26.5	385.2	-
13	23.2	28.4	29.4	34.4	59.9	-	113.1	79.6	192.0	27.8	78.4	-	43.9	48.9	32.3	28.7	383.5	-
14	28.9	25.1	28.8	38.0	57.3	-	131.0	83.0	170.6	26.8	79.8	-	43.8	49.3	32.8	32.0	329.6	-
15	32.9	23.1	28.2	41.6	55.6	-	148.3	83.0	155.3	26.1	83.7	-	43.4	59.0	27.1	41.2	300.3	-
16	35.6	22.9	27.6	44.4	57.5	-	167.1	81.1	146.0	25.1	90.7	-	43.1	68.2	23.1	48.5	270.9	-
17	36.1	18.3	27.0	46.4	62.8	-	183.2	78.5	143.3	20.4	95.6	-	42.9	75.0	20.6	56.3	247.1	-
18	44.4	14.8	26.5	47.8	70.3	-	168.1	71.7	172.2	18.7	97.6	-	42.5	80.7	18.9	64.7	227.2	-
19	45.0	12.7	25.9	48.7	77.9	-	178.4	65.7	184.7	17.5	99.2	-	41.7	83.8	18.0	73.8	191.0	-
20	46.8	11.9	25.3	49.4	85.6	-	193.2	59.6	194.6	16.1	100.4	-	40.5	85.3	17.5	91.9	169.3	-
21	48.8	11.6	25.0	50.1	93.7	-	204.9	49.9	203.6	15.2	101.4	-	39.4	86.8	17.1	108.2	152.0	-
22	48.4	11.6	24.6	50.9	103.6	-	218.3	48.8	193.6	14.9	102.3	-	38.6	88.3	16.8	126.3	139.3	-
23	47.5	11.7	23.9	51.3	114.5	-	212.8	47.7	182.2	14.8	102.3	-	37.8	87.9	16.5	145.6	128.5	-
24	46.5	11.9	23.3	50.5	124.6	-	203.9	44.7	181.7	14.8	84.9	-	30.6	80.2	16.3	165.2	119.8	-
25	45.5	12.1	23.3	49.2	134.4	-	187.4	42.6	182.7	17.7	74.0	-	28.5	71.2	16.1	185.4	112.7	-
26	44.6	12.1	23.7	40.7	144.5	-	173.5	41.3	185.0	20.3	66.1	-	28.5	64.0	16.0	206.0	108.7	-
27	44.0	14.9	23.0	36.3	149.2	-	160.1	40.5	185.7	22.8	62.3	-	29.9	59.8	15.7	223.7	107.3	-
28	43.5	18.0	21.2	35.5	129.4	-	151.0	43.4	170.9	21.9	62.4	-	31.2	49.2	15.4	231.8	114.6	-
29	42.0	20.2	19.7	42.4	114.8	-	146.2	43.9	191.9	22.4	60.3	-	36.9	44.3	15.5	230.0	136.8	-
30	41.3	21.3	18.8	48.8	102.7	-	143.0	52.0	171.0	24.3	59.7	-	39.9	40.8	16.2	224.1	154.1	-
31	41.5	-	18.9	53.9	-	-	140.1	-	136.8	26.1	-	-	42.2	-	17.1	219.3	-	-

Table F-5B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	84.9	24.1	33.6	45.5	34.1	39.6	241.1	174.0	93.7	27.0	47.2	134.4
2	79.0	22.8	34.5	51.0	30.2	-	230.8	173.1	91.5	26.6	49.2	-
3	75.4	21.8	35.2	56.3	27.3	-	191.5	154.9	89.4	26.3	56.9	-
4	73.1	20.8	36.2	61.2	25.2	-	194.3	144.0	87.6	25.9	62.6	-
5	72.3	19.8	37.1	65.2	20.3	-	191.7	141.4	86.0	25.6	65.4	-
6	72.0	19.0	38.0	63.7	18.4	-	178.1	170.1	69.4	24.6	66.6	-
7	71.3	18.2	48.7	61.0	17.0	-	155.0	169.9	62.7	22.6	67.7	-
8	70.3	17.4	56.6	60.7	16.1	-	153.9	162.8	67.2	21.0	69.6	-
9	69.5	16.7	62.3	63.1	15.8	-	144.3	160.2	71.8	19.8	72.2	-
10	68.6	16.3	65.3	66.0	15.7	-	132.0	137.0	74.2	19.3	74.9	-
11	66.4	16.0	66.2	67.6	15.6	-	136.6	140.0	60.5	19.0	77.6	-
12	64.7	15.6	67.3	68.1	15.5	-	141.4	149.3	51.1	18.5	81.1	-
13	63.4	15.2	68.4	67.3	15.8	-	136.2	145.6	49.6	15.0	85.7	-
14	62.2	14.9	70.7	66.9	16.0	-	126.7	120.2	58.9	12.7	91.2	-
15	61.0	14.7	72.3	68.0	15.8	-	138.6	111.1	67.0	10.9	93.2	-
16	59.8	14.5	72.8	70.6	15.6	-	137.7	100.4	75.1	10.4	107.2	-
17	57.5	14.2	73.1	74.1	15.9	-	139.4	88.8	79.3	10.5	113.1	-
18	54.7	17.0	60.2	76.0	16.1	-	144.2	78.7	80.2	10.9	126.3	-
19	51.7	20.2	50.3	77.0	16.1	-	149.4	71.0	80.0	11.7	134.4	-
20	47.1	23.1	43.7	78.9	16.5	-	157.2	66.0	79.6	12.8	139.8	-
21	40.5	25.2	39.6	80.5	17.2	-	162.0	72.3	69.1	13.9	146.2	-
22	35.5	28.2	35.0	82.0	18.2	-	161.2	77.8	61.6	16.2	149.7	-
23	31.0	27.7	30.2	84.0	21.5	-	161.4	80.1	58.1	18.5	151.7	-
24	32.0	25.2	26.1	87.1	23.2	-	159.4	71.0	57.1	21.1	153.7	-
25	36.3	25.8	22.3	73.4	24.3	-	167.8	62.8	56.6	23.9	154.3	-
26	36.5	26.5	25.3	68.6	25.6	-	177.8	60.5	56.0	27.0	152.7	-
27	34.5	27.8	27.1	67.7	27.3	-	173.8	57.8	55.3	30.4	147.9	-
28	31.7	29.2	27.9	68.3	29.5	-	170.9	72.7	41.5	34.1	144.8	-
29	29.4	30.6	28.1	59.6	32.4	-	171.8	84.2	33.7	37.8	141.1	-
30	27.5	32.1	31.9	46.7	35.8	-	173.6	92.9	29.0	41.2	136.9	-
31	25.7	-	39.5	39.3	-	-	173.9	-	27.4	44.3	-	-

Table F-6A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	23.9	23.9	13.5	12.4	33.3	72.5	48.2	111.8	36.5	76.7	22.1	45.5	24.5	32.2	21.9	11.8	160.9	115.2
2	22.2	23.6	13.9	12.2	35.8	-	45.7	106.5	45.3	69.4	24.7	-	22.6	32.7	21.2	12.4	173.8	-
3	21.8	23.4	14.7	12.0	37.8	-	46.1	107.4	41.3	57.7	27.4	-	21.8	28.5	20.7	13.2	169.0	-
4	21.8	23.3	15.4	11.7	40.6	-	53.4	110.6	44.5	51.4	30.0	-	24.6	28.8	17.3	13.8	171.5	-
5	21.6	23.0	16.0	11.5	42.9	-	55.9	110.9	48.6	46.5	34.5	-	28.0	28.8	16.0	14.1	216.5	-
6	21.5	22.7	16.5	11.4	51.5	-	55.5	108.7	52.5	42.8	39.7	-	29.2	30.2	15.3	13.9	244.5	-
7	21.0	21.9	16.9	11.5	59.2	-	56.1	100.3	56.1	39.8	44.9	-	28.5	31.3	15.3	13.7	274.9	-
8	19.3	21.6	17.1	11.6	60.2	-	60.0	91.3	59.1	38.4	50.3	-	28.1	32.1	15.2	13.9	309.1	-
9	18.4	21.3	17.2	12.4	56.5	-	65.0	85.8	60.8	32.9	55.4	-	27.6	32.1	15.0	14.4	347.2	-
10	18.1	21.0	17.8	13.6	50.1	-	68.0	80.8	70.5	29.0	59.4	-	27.3	32.1	14.7	15.0	306.0	-
11	17.8	20.8	18.2	16.2	45.7	-	71.3	76.8	79.2	25.8	61.7	-	26.9	32.4	14.3	16.2	285.8	-
12	17.5	20.6	18.5	18.6	42.4	-	74.3	72.9	88.7	23.4	63.1	-	26.7	33.0	16.6	17.7	282.5	-
13	17.3	18.1	18.5	20.8	39.5	-	77.1	62.3	96.2	21.8	64.4	-	26.5	33.3	17.9	18.8	284.9	-
14	19.4	15.5	18.1	23.0	38.2	-	90.3	56.5	98.6	20.8	65.7	-	26.5	33.5	18.6	20.6	271.0	-
15	22.8	13.9	17.7	25.3	36.9	-	103.2	56.1	90.1	20.2	70.5	-	26.3	33.9	18.4	24.2	247.7	-
16	25.2	13.2	17.3	27.3	37.8	-	117.8	54.6	84.9	19.6	76.7	-	26.2	39.6	15.5	28.7	223.0	-
17	26.4	13.4	16.7	28.5	41.3	-	130.7	53.6	81.2	16.3	81.2	-	26.0	43.8	13.8	33.6	203.2	-
18	25.7	10.8	16.4	29.4	46.1	-	129.0	48.7	95.3	15.0	83.0	-	25.8	47.4	12.6	38.7	187.0	-
19	26.0	9.2	16.0	30.0	51.2	-	137.3	44.5	101.6	14.0	84.4	-	25.6	49.6	11.9	44.1	155.9	-
20	27.3	8.6	15.7	30.5	56.3	-	149.3	40.8	106.9	12.9	85.5	-	24.6	50.5	11.6	55.7	138.6	-
21	28.5	8.4	15.4	31.0	61.9	-	159.7	33.8	114.9	12.1	86.7	-	24.0	51.4	11.3	65.5	123.8	-
22	28.3	8.3	15.2	31.4	68.4	-	175.3	33.1	109.2	11.8	87.4	-	23.4	52.4	11.0	76.8	113.8	-
23	27.7	8.3	14.8	31.7	75.9	-	173.0	32.5	102.3	11.7	88.0	-	22.9	52.5	10.8	88.8	104.6	-
24	27.1	8.5	14.4	31.4	83.0	-	165.6	30.4	101.9	11.5	71.6	-	22.8	48.3	10.7	101.4	97.0	-
25	26.5	8.6	14.3	30.7	90.2	-	155.0	28.9	102.5	14.0	62.5	-	20.8	42.7	10.6	114.3	91.0	-
26	25.9	8.6	14.4	27.5	98.1	-	143.4	27.9	103.8	16.1	55.6	-	20.6	38.1	10.6	128.1	87.3	-
27	25.4	8.6	15.7	23.7	104.1	-	132.2	27.0	104.7	18.1	50.5	-	21.4	35.2	10.4	141.5	85.9	-
28	25.2	10.5	14.7	22.0	100.0	-	124.4	30.0	92.7	17.2	50.1	-	22.4	28.7	10.1	149.0	87.6	-
29	24.4	12.1	13.7	23.7	90.1	-	119.7	30.6	104.5	17.2	48.2	-	26.5	25.3	10.1	149.2	103.6	-
30	23.7	13.0	12.8	27.5	80.5	-	116.7	30.6	113.0	18.6	47.9	-	29.0	23.2	10.6	145.7	117.2	-
31	23.9	-	12.4	30.6	-	-	114.2	-	95.1	20.0	-	-	30.8	-	11.2	143.3	-	-

Table F-6A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	69.7	15.4	21.0	24.3	21.7	26.7	201.7	112.2	58.0	19.0	35.3	85.3
2	64.7	14.4	21.8	27.4	19.1	-	191.9	111.6	56.7	18.8	37.0	-
3	62.0	13.6	22.3	30.3	17.2	-	161.9	110.9	55.3	18.5	39.1	-
4	60.1	13.0	22.9	33.0	15.9	-	147.5	103.3	54.0	18.2	43.4	-
5	59.3	12.4	23.5	35.2	14.9	-	145.2	101.3	53.0	18.0	45.7	-
6	59.2	11.8	24.1	37.0	13.4	-	136.9	123.1	42.4	17.5	46.8	-
7	58.8	11.3	24.6	35.0	12.3	-	118.4	117.9	37.9	16.0	47.9	-
8	57.9	10.8	29.2	34.5	11.4	-	122.0	114.7	40.5	14.7	49.1	-
9	57.0	10.4	32.7	35.3	11.1	-	112.3	112.9	43.2	13.8	51.0	-
10	55.9	10.1	34.9	36.9	10.9	-	102.7	107.9	44.9	13.3	53.2	-
11	53.7	9.8	35.9	38.2	10.9	-	96.1	112.5	36.4	13.0	55.4	-
12	51.6	9.6	36.6	38.8	10.7	-	99.4	120.8	30.2	12.8	58.1	-
13	50.2	9.3	37.4	38.9	10.7	-	95.7	117.8	28.8	10.8	61.6	-
14	49.1	9.1	38.3	38.7	10.7	-	89.0	97.0	32.6	9.4	65.8	-
15	47.8	8.9	39.4	39.8	10.6	-	96.9	90.0	35.7	8.0	70.2	-
16	46.6	8.8	39.8	40.7	10.4	-	94.8	81.4	40.1	7.2	77.5	-
17	45.2	8.7	40.1	42.7	10.5	-	96.3	71.6	42.7	7.3	82.4	-
18	42.6	8.5	40.0	44.0	10.7	-	100.0	63.0	43.4	7.4	83.9	-
19	40.2	10.2	33.5	44.4	10.6	-	103.5	56.6	43.3	8.0	88.6	-
20	36.7	11.7	29.0	45.6	10.8	-	109.9	52.7	43.1	8.7	92.7	-
21	31.7	12.8	26.1	46.6	11.2	-	113.3	51.2	42.3	9.5	91.1	-
22	27.7	15.0	22.0	47.6	11.7	-	111.9	55.3	37.4	11.4	93.0	-
23	24.1	17.2	18.9	48.9	13.9	-	112.1	57.3	35.1	13.1	94.4	-
24	21.3	16.0	16.2	50.4	15.3	-	111.6	56.2	34.3	15.0	95.9	-
25	23.4	16.3	13.8	42.8	16.1	-	106.2	48.6	34.0	17.0	96.8	-
26	23.9	16.5	15.2	38.5	17.1	-	114.9	46.5	33.6	19.3	96.2	-
27	22.8	17.1	16.6	37.0	18.4	-	113.1	44.3	33.1	21.9	93.6	-
28	21.1	17.9	17.4	36.7	19.8	-	109.4	42.1	32.5	24.8	91.6	-
29	19.5	18.9	17.7	36.9	21.7	-	110.0	49.6	25.5	27.8	89.6	-
30	18.1	19.9	17.5	29.8	24.0	-	111.7	55.6	21.4	30.6	87.1	-
31	16.7	-	21.1	25.1	-	-	112.1	-	19.4	33.1	-	-

Table F-6B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	24.8	30.1	13.1	12.2	37.5	74.1	53.0	117.8	47.1	94.7	21.4	45.3	29.1	33.0	30.5	11.2	175.6	128.2
2	23.1	29.7	13.5	12.0	40.6	-	50.4	113.1	58.6	78.1	23.9	-	26.9	33.5	29.5	11.8	194.7	-
3	22.7	29.4	14.2	11.7	43.2	-	50.5	113.2	59.3	63.9	26.6	-	26.0	33.2	24.4	12.5	194.9	-
4	22.6	29.0	14.9	11.5	46.4	-	58.1	116.5	62.6	56.7	29.4	-	30.2	33.5	20.1	13.0	199.3	-
5	22.4	28.7	15.6	11.3	49.3	-	62.7	117.7	67.5	51.0	33.7	-	34.8	33.5	18.2	13.3	247.0	-
6	22.1	28.1	16.1	11.1	59.3	-	62.4	114.2	73.3	46.7	38.7	-	37.1	34.4	17.2	13.1	289.4	-
7	21.4	27.2	16.4	11.2	69.1	-	63.7	105.2	78.4	43.6	43.7	-	36.9	35.7	17.1	13.0	326.8	-
8	19.6	26.8	16.6	11.4	71.0	-	68.4	96.0	82.9	39.0	49.0	-	36.2	36.7	17.0	13.1	368.0	-
9	18.4	26.4	16.8	12.1	66.7	-	73.9	89.9	92.0	33.4	54.0	-	35.5	36.8	16.8	13.5	389.3	-
10	18.0	26.1	17.4	13.4	58.5	-	77.7	84.7	106.9	29.5	57.8	-	35.2	36.8	16.5	14.7	342.4	-
11	17.7	25.8	17.8	16.0	53.3	-	81.4	80.4	120.2	26.3	60.0	-	34.8	37.2	16.2	16.0	315.6	-
12	17.5	25.5	18.1	18.4	49.4	-	84.9	76.4	134.2	23.9	61.4	-	34.5	38.0	18.8	17.6	311.8	-
13	17.3	21.0	18.0	20.6	46.0	-	88.2	66.3	144.5	22.3	62.7	-	34.3	38.3	20.4	18.7	311.9	-
14	20.8	17.9	17.6	22.8	44.0	-	102.2	61.2	144.6	21.3	64.1	-	34.2	38.5	21.2	20.6	282.2	-
15	24.5	16.1	17.2	25.1	42.7	-	117.1	61.4	131.2	20.7	68.1	-	34.0	44.0	18.5	25.4	256.8	-
16	27.1	15.4	16.8	27.0	43.7	-	133.0	59.8	123.3	19.9	74.0	-	33.8	52.0	15.4	30.4	231.6	-
17	28.2	13.7	16.3	28.3	47.5	-	147.1	58.4	118.9	16.3	78.9	-	33.6	57.9	13.6	35.6	211.0	-
18	31.3	11.1	16.0	29.4	53.0	-	147.7	53.5	140.7	14.5	81.2	-	33.3	62.7	12.3	41.3	194.0	-
19	31.8	9.4	15.7	30.1	59.1	-	156.4	48.8	155.2	13.5	82.7	-	32.9	66.1	11.6	47.5	165.1	-
20	32.9	8.4	15.3	30.7	65.3	-	169.1	44.2	163.7	12.4	84.0	-	31.7	67.8	11.1	58.9	145.5	-
21	35.2	8.0	15.0	31.2	72.0	-	180.5	36.4	173.2	11.6	85.2	-	30.8	69.2	10.8	70.1	130.0	-
22	35.6	7.9	14.8	31.6	79.8	-	191.7	35.4	166.7	11.2	86.0	-	30.1	70.8	10.6	82.6	119.0	-
23	35.0	7.9	14.5	31.9	88.8	-	186.5	34.7	155.9	11.1	86.7	-	29.4	70.8	10.4	96.2	109.6	-
24	34.1	8.0	14.1	31.8	97.3	-	179.0	32.8	153.5	11.0	71.9	-	25.2	65.2	10.2	110.2	102.1	-
25	33.3	8.1	13.9	31.2	105.5	-	164.0	31.1	154.4	13.2	61.8	-	22.5	57.7	10.1	124.7	95.9	-
26	32.6	8.1	14.0	26.9	114.2	-	152.0	29.9	156.6	15.4	55.0	-	22.2	51.4	10.1	139.7	92.0	-
27	32.1	8.5	15.4	23.3	119.9	-	140.0	29.1	157.8	17.3	50.1	-	22.8	47.5	9.9	153.7	90.5	-
28	31.7	10.4	14.5	21.9	104.4	-	131.4	31.6	143.3	16.7	49.4	-	23.8	40.0	9.7	161.6	96.0	-
29	30.6	11.9	13.5	26.0	92.0	-	126.6	32.4	158.2	16.8	47.8	-	27.3	35.4	9.7	161.9	115.2	-
30	30.0	12.7	12.6	30.7	82.5	-	123.4	39.0	141.5	18.0	47.3	-	29.9	32.4	10.1	158.5	130.4	-
31	30.0	-	12.3	34.3	-	-	120.6	-	118.5	19.4	-	-	31.7	-	10.7	156.0	-	-

Table F-6B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	68.8	17.6	24.6	26.4	23.7	25.5	208.9	149.5	67.1	19.8	35.6	104.7
2	63.8	16.5	25.4	29.8	20.8	-	198.6	148.7	66.0	19.5	37.5	-
3	60.6	15.6	25.9	33.1	18.7	-	170.3	135.5	64.3	19.3	41.5	-
4	58.7	14.8	26.6	36.3	17.1	-	168.7	124.7	62.7	18.9	46.4	-
5	57.7	14.1	27.3	38.9	15.1	-	167.4	122.1	61.5	18.7	49.4	-
6	57.3	13.4	28.1	39.2	13.0	-	156.0	145.3	49.9	18.0	50.8	-
7	56.7	12.8	31.9	38.0	11.9	-	135.3	146.0	43.7	16.5	52.1	-
8	55.7	12.2	38.4	37.2	11.1	-	135.2	138.6	46.0	15.1	53.6	-
9	54.8	11.7	43.5	37.9	10.8	-	128.6	136.5	49.2	14.2	55.7	-
10	53.8	11.3	46.8	39.6	10.6	-	117.4	120.2	51.2	13.7	58.1	-
11	52.0	11.0	48.2	40.9	10.5	-	117.7	120.8	42.1	13.4	60.5	-
12	50.2	10.7	49.0	41.6	10.4	-	122.8	130.6	34.8	13.0	63.4	-
13	48.8	10.4	49.9	41.5	10.6	-	118.4	127.8	33.2	10.9	67.1	-
14	47.7	10.2	51.3	41.4	10.6	-	110.5	109.9	37.8	9.3	71.6	-
15	46.5	10.0	52.6	42.1	10.6	-	115.5	99.9	42.5	7.8	71.6	-
16	45.3	9.9	53.1	43.4	10.4	-	115.8	90.2	48.2	7.5	79.0	-
17	44.1	9.7	53.3	45.4	10.4	-	117.0	79.4	52.0	7.7	85.4	-
18	41.9	11.6	43.6	47.1	10.6	-	120.8	69.9	53.1	7.8	93.9	-
19	39.6	14.1	35.5	48.1	10.5	-	125.2	62.5	53.2	8.3	100.7	-
20	35.9	16.4	30.4	49.6	10.7	-	131.6	57.5	52.9	9.1	105.6	-
21	31.0	18.4	26.9	50.9	11.1	-	136.3	61.7	46.4	9.8	110.5	-
22	26.9	21.0	23.3	52.1	11.6	-	136.1	68.7	39.8	11.5	114.0	-
23	23.3	20.8	20.0	53.6	13.4	-	136.1	71.6	37.0	13.2	115.7	-
24	23.6	19.6	17.1	55.4	14.7	-	135.3	66.5	35.8	15.2	117.6	-
25	25.8	19.3	14.7	48.1	15.5	-	138.0	56.5	35.4	17.3	118.6	-
26	26.6	19.6	15.9	43.3	16.5	-	151.9	53.9	35.0	19.6	117.8	-
27	25.5	20.2	17.4	41.7	17.6	-	148.9	51.4	34.5	22.2	114.7	-
28	23.8	21.1	18.3	41.6	19.0	-	146.0	48.9	33.8	25.0	112.2	-
29	22.0	22.2	18.5	41.5	20.7	-	147.0	57.5	26.8	27.9	109.8	-
30	20.4	23.4	18.5	33.4	23.0	-	148.7	64.2	22.6	30.7	106.8	-
31	18.9	-	22.4	27.5	-	-	149.3	-	20.5	33.2	-	-

Table F-7A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	16.8	14.4	6.9	5.8	19.7	44.6	34.8	89.8	23.5	63.5	12.1	31.4	16.9	17.7	14.7	6.8	106.8	101.4
2	15.5	14.3	7.0	5.7	21.5	-	32.7	85.7	30.3	53.8	13.6	-	15.4	18.3	14.0	7.2	120.0	-
3	14.7	14.2	7.5	5.6	23.1	-	32.3	74.2	33.9	44.1	15.2	-	14.5	18.4	13.6	7.7	122.1	-
4	14.6	14.0	7.9	5.4	24.8	-	38.1	75.8	35.4	38.9	16.9	-	14.2	18.3	11.1	7.9	125.7	-
5	14.5	13.9	8.2	5.3	26.6	-	42.0	76.9	38.1	34.7	19.4	-	16.6	18.2	10.0	8.2	158.3	-
6	14.3	13.6	8.5	5.2	28.0	-	42.0	75.5	41.5	31.6	22.7	-	18.0	18.6	9.4	8.2	182.9	-
7	13.9	13.1	8.8	5.3	33.6	-	42.3	69.2	44.6	28.9	25.8	-	18.0	19.3	9.2	8.1	208.8	-
8	12.6	12.8	8.8	5.4	36.2	-	45.6	62.2	47.5	27.7	29.3	-	17.6	19.9	9.1	8.1	238.8	-
9	11.6	12.6	9.0	5.6	35.1	-	49.9	57.8	49.5	23.2	32.7	-	17.2	20.0	9.0	8.2	271.5	-
10	11.3	12.4	9.3	6.1	30.1	-	52.7	54.1	58.5	20.2	35.8	-	17.1	20.1	8.8	8.6	237.9	-
11	11.0	12.3	9.6	7.5	26.9	-	55.5	50.8	66.5	17.7	37.8	-	16.9	20.1	8.6	9.6	215.3	-
12	10.8	12.1	9.8	8.9	24.8	-	58.3	47.6	75.6	15.8	39.2	-	16.7	20.3	10.0	10.4	211.8	-
13	10.6	12.0	9.8	10.2	23.0	-	61.2	43.1	84.5	14.4	40.6	-	16.7	20.6	11.2	11.0	214.2	-
14	10.4	9.9	9.6	11.5	21.9	-	66.6	38.5	87.9	13.4	41.7	-	16.6	20.6	12.1	11.7	206.3	-
15	12.5	8.5	9.3	12.8	21.2	-	77.6	39.0	78.8	12.9	43.1	-	16.6	20.8	12.4	13.7	189.6	-
16	14.3	7.8	9.1	14.0	21.4	-	90.1	37.7	74.0	12.4	47.2	-	16.5	25.4	10.1	16.6	170.5	-
17	15.6	7.6	8.8	14.7	23.2	-	102.3	37.0	70.1	9.9	50.9	-	16.5	28.8	8.7	19.7	155.0	-
18	15.6	6.2	8.6	15.3	25.9	-	105.9	33.9	84.0	8.8	52.5	-	16.4	31.6	7.8	23.0	142.6	-
19	15.6	5.2	8.4	15.7	29.1	-	112.8	30.8	92.5	8.1	53.7	-	16.3	33.8	7.2	26.7	120.3	-
20	16.0	4.6	8.2	16.1	32.2	-	122.1	28.1	97.6	7.5	54.7	-	15.6	34.9	6.9	33.8	106.1	-
21	17.2	4.3	8.0	16.4	35.7	-	130.8	22.5	104.7	6.9	55.7	-	15.1	35.7	6.7	40.4	94.1	-
22	17.7	4.2	7.9	16.6	39.8	-	148.1	21.8	101.3	6.6	56.3	-	14.7	36.7	6.5	48.3	86.6	-
23	17.4	4.2	7.8	16.8	44.7	-	145.7	21.4	94.5	6.5	56.8	-	14.4	36.9	6.4	57.0	79.5	-
24	16.9	4.2	7.6	16.8	49.9	-	139.8	20.3	92.0	6.4	53.0	-	14.3	34.8	6.2	66.2	73.7	-
25	16.5	4.2	7.4	16.5	55.0	-	129.3	19.1	92.4	6.8	44.5	-	12.4	30.6	6.2	75.9	69.0	-
26	16.0	4.3	7.3	16.2	61.0	-	119.7	18.2	93.8	8.1	39.3	-	12.0	27.0	6.1	86.8	65.8	-
27	15.7	4.2	7.3	13.9	65.7	-	110.3	17.5	95.0	9.2	35.3	-	12.2	24.4	6.0	98.2	64.3	-
28	15.5	5.0	7.1	12.5	63.9	-	102.8	18.1	89.3	9.8	34.2	-	12.6	21.0	5.9	106.9	65.0	-
29	15.0	5.9	6.7	13.0	55.6	-	98.2	19.1	87.1	9.6	33.1	-	13.9	17.9	5.8	109.3	79.8	-
30	14.3	6.5	6.2	15.7	49.9	-	94.8	19.2	96.3	10.1	32.6	-	15.6	16.0	6.0	107.8	91.0	-
31	14.3	-	5.9	17.9	-	-	92.0	-	81.4	11.0	-	-	16.7	-	6.5	106.9	-	-

Table F-7A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	53.9	9.2	11.0	13.3	13.5	12.8	179.2	91.3	44.1	11.6	20.8	71.1
2	49.4	8.5	11.6	15.2	11.8	-	168.1	90.2	44.5	11.3	22.0	-
3	46.0	8.0	11.8	17.0	10.5	-	143.0	89.2	43.3	11.1	23.5	-
4	44.3	7.6	12.2	18.7	9.5	-	130.0	80.6	42.1	10.9	26.6	-
5	43.2	7.2	12.6	20.2	8.8	-	131.0	78.2	41.2	10.8	28.7	-
6	42.8	6.8	12.9	21.4	7.5	-	124.4	91.5	33.7	10.4	29.9	-
7	42.2	6.4	13.3	21.3	6.7	-	106.9	95.6	28.9	9.5	31.1	-
8	41.2	6.1	16.0	20.6	6.2	-	103.6	91.1	29.7	8.6	32.2	-
9	40.2	5.8	18.7	20.6	5.8	-	98.9	89.4	31.8	8.0	33.7	-
10	39.2	5.6	20.6	21.2	5.6	-	90.2	85.2	33.3	7.5	35.5	-
11	37.5	5.4	21.9	22.1	5.6	-	84.0	77.1	30.4	7.2	37.4	-
12	35.6	5.2	22.8	22.7	5.5	-	89.0	84.3	24.6	7.1	39.8	-
13	34.2	5.0	23.4	22.9	5.5	-	85.4	82.8	22.6	6.6	42.4	-
14	33.1	4.8	24.0	23.1	5.5	-	80.1	78.8	22.5	5.5	45.6	-
15	31.9	4.7	24.7	23.5	5.4	-	75.1	72.2	25.5	4.5	49.1	-
16	30.7	4.6	25.0	24.2	5.4	-	73.8	64.8	29.5	3.9	55.4	-
17	29.5	4.6	25.2	25.1	5.3	-	74.8	56.3	32.4	3.9	61.1	-
18	27.8	4.5	25.2	26.2	5.4	-	77.7	48.9	33.6	3.9	63.0	-
19	26.2	5.6	20.3	26.8	5.4	-	80.5	43.4	33.7	4.2	68.7	-
20	23.4	6.5	17.1	27.9	5.4	-	84.9	39.7	33.6	4.6	72.3	-
21	19.9	7.4	15.0	28.7	5.5	-	87.8	37.9	32.8	5.0	72.1	-
22	17.2	8.3	13.1	29.5	5.7	-	86.9	42.2	27.7	5.9	74.2	-
23	14.7	9.6	11.2	30.6	6.1	-	87.1	44.2	25.4	6.8	75.6	-
24	12.8	9.1	9.5	31.6	7.0	-	87.2	44.2	24.1	7.9	77.0	-
25	13.6	8.9	8.0	30.2	7.5	-	82.7	37.6	23.7	9.0	78.1	-
26	14.1	8.9	7.6	26.5	8.0	-	90.4	35.5	23.4	10.4	78.2	-
27	13.7	9.0	8.3	24.5	8.7	-	89.2	33.6	22.9	11.9	76.9	-
28	12.9	9.3	9.0	23.5	9.4	-	87.2	31.2	22.5	13.8	75.0	-
29	12.0	9.8	9.4	23.4	10.3	-	87.8	36.0	17.6	15.7	74.1	-
30	11.0	10.3	9.4	19.5	11.4	-	89.4	40.7	14.3	17.5	72.3	-
31	10.1	-	11.2	15.9	-	-	90.5	-	12.3	19.2	-	-

Table F-7B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	17.2	17.6	6.6	5.7	21.6	47.8	38.0	99.0	32.0	74.0	13.1	32.8	17.5	20.9	17.3	6.3	121.3	112.3
2	15.8	17.4	6.8	5.6	23.6	-	35.8	94.2	40.3	60.8	14.7	-	16.0	21.5	16.4	6.7	139.4	-
3	15.1	17.2	7.2	5.5	25.6	-	35.5	92.1	41.5	49.4	16.6	-	15.1	21.4	14.0	7.0	147.5	-
4	15.0	17.0	7.6	5.4	27.6	-	41.1	95.2	42.5	42.8	18.5	-	16.8	21.6	11.4	7.3	153.0	-
5	14.8	16.8	8.0	5.2	29.7	-	45.6	97.9	44.6	37.9	21.4	-	19.5	21.6	10.0	7.5	190.5	-
6	14.6	16.4	8.3	5.2	33.0	-	46.6	96.0	48.6	34.3	25.0	-	21.3	21.7	9.2	7.5	231.2	-
7	14.2	15.8	8.5	5.2	39.7	-	47.4	88.3	52.4	31.4	28.6	-	21.9	22.4	8.9	7.4	265.0	-
8	13.1	15.5	8.6	5.3	43.0	-	51.0	79.6	55.9	29.5	32.4	-	21.6	23.1	8.9	7.4	303.5	-
9	12.0	15.2	8.6	5.5	41.9	-	55.8	73.4	59.1	24.7	36.2	-	21.1	23.4	8.8	7.6	342.0	-
10	11.5	15.0	9.0	6.0	36.4	-	59.5	68.5	70.0	21.5	39.5	-	20.9	23.5	8.6	8.0	304.2	-
11	11.2	14.8	9.2	7.3	32.6	-	62.8	64.4	79.7	19.0	41.7	-	20.6	23.6	8.4	8.8	275.9	-
12	11.0	14.6	9.4	8.6	30.1	-	66.0	60.5	90.2	16.9	43.2	-	20.5	23.8	9.6	9.5	268.6	-
13	10.9	12.5	9.4	9.8	27.9	-	69.2	51.8	99.4	15.5	44.6	-	20.4	24.1	10.9	10.1	269.6	-
14	12.4	10.4	9.2	11.1	26.7	-	80.6	46.0	103.0	14.5	45.8	-	20.4	24.1	11.7	10.9	245.8	-
15	14.8	9.1	8.9	12.3	25.8	-	94.0	46.1	93.7	14.0	48.3	-	20.3	24.7	11.7	13.4	222.9	-
16	16.9	8.3	8.7	13.4	26.2	-	108.4	45.0	87.3	13.4	52.7	-	20.2	29.5	9.7	16.4	201.3	-
17	18.2	8.1	8.4	14.2	28.2	-	122.2	44.0	83.2	10.7	57.1	-	20.1	33.6	8.3	19.6	182.8	-
18	18.3	6.6	8.3	14.8	31.6	-	125.7	40.7	98.2	9.2	59.7	-	20.0	37.0	7.4	23.2	167.9	-
19	18.4	5.4	8.0	15.4	35.5	-	132.8	36.9	112.0	8.5	61.3	-	19.8	39.7	6.8	27.1	142.8	-
20	18.8	4.7	7.8	15.8	39.6	-	143.5	33.2	119.1	7.7	62.7	-	19.0	41.5	6.4	34.2	124.4	-
21	19.9	4.2	7.6	16.2	44.2	-	153.7	27.0	127.0	7.1	64.0	-	18.3	42.7	6.2	41.8	110.5	-
22	20.9	4.0	7.5	16.4	49.5	-	166.7	25.7	124.2	6.8	64.8	-	17.8	44.0	6.0	50.2	101.2	-
23	20.9	4.0	7.3	16.6	55.8	-	160.3	25.3	116.6	6.7	65.6	-	17.4	44.2	5.9	59.7	93.2	-
24	20.4	4.1	7.1	16.6	62.1	-	154.2	24.3	111.8	6.6	54.1	-	16.4	41.3	5.7	69.7	86.6	-
25	19.8	4.1	7.0	16.5	68.3	-	142.1	22.8	111.9	8.0	45.3	-	14.6	36.3	5.7	80.2	81.2	-
26	19.3	4.1	6.9	15.3	74.9	-	131.9	21.6	113.6	9.5	40.0	-	14.0	31.9	5.7	91.5	77.5	-
27	18.9	4.1	7.3	13.2	80.1	-	121.5	20.8	115.4	10.8	36.1	-	14.1	28.8	5.6	102.8	75.8	-
28	18.7	4.9	7.1	12.0	69.3	-	113.1	22.1	106.4	10.8	35.2	-	14.5	24.3	5.4	110.9	79.7	-
29	18.0	5.7	6.7	14.0	59.5	-	107.9	23.3	111.1	10.6	34.5	-	16.5	20.8	5.4	112.8	96.4	-
30	17.5	6.3	6.2	17.1	53.5	-	104.5	26.3	108.6	11.0	33.9	-	18.6	18.6	5.6	111.2	110.2	-
31	17.5	-	5.9	19.5	-	-	101.5	-	93.2	11.9	-	-	19.9	-	6.0	110.2	-	-

Table F-7B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	53.1	9.4	12.4	13.2	13.7	13.3	185.5	121.7	50.6	12.4	20.2	81.6
2	48.9	8.7	12.9	15.2	11.8	-	174.8	120.6	51.5	12.0	21.6	-
3	46.0	8.1	13.2	17.1	10.4	-	149.8	109.6	50.4	11.8	23.5	-
4	44.3	7.7	13.5	19.0	9.4	-	146.6	98.0	49.0	11.6	26.9	-
5	43.0	7.2	13.9	20.6	8.6	-	148.1	93.9	47.8	11.4	29.5	-
6	42.4	6.8	14.4	21.9	7.3	-	139.7	108.9	39.3	11.0	30.9	-
7	41.7	6.4	15.0	22.1	6.5	-	121.1	115.1	32.9	10.1	32.1	-
8	40.7	6.1	17.8	21.5	6.0	-	118.1	111.0	32.6	9.1	33.2	-
9	39.6	5.8	20.9	21.3	5.6	-	114.7	109.0	34.8	8.4	34.7	-
10	38.6	5.6	23.3	21.9	5.5	-	104.4	102.6	36.6	7.9	36.6	-
11	37.0	5.4	24.8	22.8	5.4	-	98.2	99.1	31.4	7.6	38.5	-
12	35.2	5.2	25.7	23.4	5.3	-	102.3	108.5	25.5	7.4	40.8	-
13	33.9	5.0	26.3	23.7	5.3	-	98.7	109.5	22.9	6.3	43.4	-
14	32.9	4.9	26.9	23.8	5.3	-	92.7	94.3	25.1	5.3	46.7	-
15	31.8	4.8	27.5	24.3	5.3	-	96.4	83.8	28.2	4.4	49.2	-
16	30.7	4.7	27.8	25.1	5.3	-	97.9	75.2	32.2	3.9	55.1	-
17	29.6	4.6	28.1	26.1	5.2	-	98.7	65.5	35.6	3.9	60.7	-
18	27.9	5.1	24.8	27.3	5.3	-	101.6	56.9	37.3	3.9	67.1	-
19	26.1	6.2	20.1	28.3	5.2	-	105.3	50.1	37.7	4.1	74.6	-
20	23.3	7.4	16.7	29.5	5.2	-	110.3	45.3	37.6	4.5	78.9	-
21	19.8	8.5	14.4	30.5	5.4	-	114.6	44.2	35.6	4.9	82.0	-
22	16.8	9.7	12.4	31.5	5.6	-	114.7	48.4	30.6	5.7	85.4	-
23	14.3	10.8	10.5	32.8	6.4	-	114.5	51.4	27.5	6.7	87.1	-
24	12.8	10.4	8.9	34.1	7.3	-	114.3	51.7	25.8	7.8	88.8	-
25	13.5	10.1	7.5	31.3	7.9	-	109.6	44.0	25.3	9.0	89.9	-
26	14.1	10.1	7.5	27.7	8.4	-	119.7	40.3	24.9	10.3	89.9	-
27	13.8	10.2	8.1	25.7	9.1	-	120.7	38.1	24.5	11.8	88.3	-
28	13.0	10.5	8.7	24.9	9.8	-	117.7	35.7	24.1	13.5	86.3	-
29	12.1	11.1	9.1	24.7	10.7	-	118.1	41.3	19.0	15.2	85.0	-
30	11.2	11.7	9.1	20.2	11.9	-	119.8	46.8	15.5	17.0	83.1	-
31	10.2	-	10.9	16.2	-	-	121.1	-	13.4	18.7	-	-

Table F-8A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	14.1	13.1	5.2	4.2	15.0	37.3	29.4	81.1	21.2	56.7	8.5	25.3	14.1	13.9	13.6	5.3	80.4	91.5
2	14.2	12.8	5.5	4.2	16.4	-	27.9	75.9	26.5	47.0	9.6	-	13.8	14.3	12.8	5.7	93.2	-
3	13.5	12.6	5.8	4.1	17.8	-	27.8	69.2	31.0	37.7	10.8	-	12.8	14.2	12.4	6.0	100.2	-
4	13.1	12.5	6.1	4.0	19.2	-	30.6	71.0	32.1	32.8	12.1	-	12.5	14.8	9.9	6.2	103.9	-
5	13.0	12.0	6.3	3.9	20.7	-	34.5	73.1	33.4	28.9	13.9	-	14.3	14.7	8.6	6.3	127.0	-
6	13.1	11.7	6.6	3.8	21.7	-	35.3	70.2	36.3	26.0	16.0	-	15.5	14.7	7.9	6.4	153.5	-
7	12.5	11.2	6.8	3.9	25.9	-	36.7	63.9	39.1	24.1	18.5	-	16.0	15.1	7.6	6.4	177.0	-
8	11.7	11.0	6.8	4.0	29.5	-	39.9	57.3	41.9	22.6	21.1	-	15.8	15.7	7.4	6.3	205.2	-
9	10.7	10.7	6.9	4.0	30.1	-	43.8	52.5	44.2	18.8	23.8	-	15.4	15.9	7.3	6.4	232.4	-
10	10.2	10.5	7.2	4.3	27.5	-	46.9	48.7	52.8	16.2	26.2	-	15.1	16.0	7.2	6.8	214.1	-
11	10.0	10.3	7.4	5.0	24.7	-	49.7	45.6	60.5	14.2	27.9	-	14.9	16.0	7.0	7.9	192.4	-
12	9.8	10.1	7.5	5.9	22.9	-	52.4	43.0	68.5	12.7	28.6	-	14.7	16.2	7.5	8.7	184.0	-
13	9.7	9.8	7.6	6.6	21.5	-	55.1	41.3	72.1	11.7	28.9	-	14.6	16.3	8.3	9.3	184.7	-
14	9.9	8.8	7.4	7.4	21.2	-	60.1	38.1	72.0	11.1	29.9	-	14.8	17.3	8.6	9.8	176.4	-
15	11.3	7.7	7.1	8.1	20.6	-	69.9	38.1	65.7	10.6	31.4	-	14.6	17.3	8.7	11.3	161.9	-
16	12.8	7.0	6.9	8.8	21.1	-	78.9	37.3	60.7	10.1	34.1	-	14.8	20.5	7.4	13.8	146.4	-
17	14.0	6.7	6.6	9.3	22.5	-	88.8	36.5	57.2	7.9	37.2	-	14.6	23.9	6.3	16.5	133.1	-
18	14.3	5.9	6.4	9.5	25.1	-	96.8	34.1	68.5	6.7	39.0	-	14.5	26.4	5.6	19.0	122.3	-
19	14.0	5.0	6.3	9.9	28.2	-	102.7	30.9	77.8	6.2	40.2	-	14.4	28.5	5.2	22.2	108.5	-
20	14.2	4.3	6.1	10.1	31.6	-	110.8	28.1	82.5	5.6	41.2	-	13.8	29.7	4.9	26.9	94.7	-
21	15.1	3.8	6.0	10.3	35.2	-	117.4	22.1	88.3	5.1	41.7	-	13.1	30.6	4.7	32.9	83.5	-
22	16.0	3.7	5.7	10.5	39.3	-	135.8	20.8	87.2	4.9	42.2	-	12.7	31.5	4.6	39.9	76.4	-
23	16.1	3.7	5.5	10.6	44.3	-	132.2	20.4	82.1	4.8	42.8	-	12.4	31.3	4.4	47.9	70.2	-
24	15.8	3.8	5.2	10.6	49.3	-	127.1	19.7	78.1	4.7	41.7	-	12.4	30.1	4.3	56.4	65.3	-
25	15.4	3.9	5.1	10.6	53.3	-	116.0	18.6	77.5	4.8	34.3	-	11.1	26.6	4.3	65.6	61.5	-
26	15.0	4.0	4.9	10.4	57.8	-	107.7	17.5	78.3	5.9	31.2	-	10.5	23.3	4.2	75.5	58.8	-
27	14.6	4.0	5.0	9.7	58.0	-	99.1	16.7	79.5	6.7	28.3	-	10.5	20.9	4.2	83.0	56.3	-
28	14.4	4.3	5.1	9.4	54.4	-	91.8	16.5	79.0	7.4	26.5	-	10.7	19.2	4.2	84.8	57.3	-
29	13.6	4.7	4.8	9.9	46.1	-	87.0	17.6	73.4	7.2	26.2	-	11.0	16.3	4.5	83.5	71.3	-
30	13.5	4.9	4.6	12.2	41.5	-	84.0	18.0	79.6	7.3	25.7	-	12.6	14.6	4.8	81.0	81.9	-
31	13.9	-	4.3	13.6	-	-	82.0	-	70.5	7.9	-	-	13.6	-	5.0	80.6	-	-

Table F-8A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	51.4	8.0	9.3	8.6	10.0	7.7	166.0	89.3	32.2	9.3	13.5	58.2
2	47.7	7.4	9.5	9.9	8.7	-	157.8	86.5	33.7	9.0	14.5	-
3	45.9	6.9	9.7	11.1	7.7	-	137.7	84.3	33.3	8.8	15.8	-
4	43.9	6.6	10.0	12.3	6.9	-	126.1	76.8	31.7	8.7	18.2	-
5	42.5	6.0	10.2	13.4	6.3	-	127.6	73.0	30.9	8.5	20.2	-
6	43.2	5.6	10.5	14.6	5.3	-	122.4	77.8	27.4	8.2	21.4	-
7	42.4	5.3	10.8	15.3	4.6	-	103.4	89.1	22.6	7.6	22.5	-
8	41.2	5.0	12.3	15.1	4.2	-	93.2	86.8	21.7	6.8	23.4	-
9	39.9	4.8	14.4	14.8	3.9	-	90.8	85.2	23.0	6.2	24.5	-
10	38.7	4.6	16.3	15.0	3.7	-	82.6	80.9	24.3	5.8	25.7	-
11	36.7	4.5	17.6	15.4	3.7	-	76.7	65.6	24.6	5.5	27.0	-
12	34.5	4.3	18.2	15.9	3.7	-	81.2	72.5	19.8	5.4	28.8	-
13	33.1	4.2	18.6	15.8	3.6	-	77.9	74.6	17.3	5.0	30.7	-
14	32.1	4.2	19.1	16.0	3.5	-	73.5	71.5	17.8	4.1	32.9	-
15	31.5	4.0	19.3	16.8	3.4	-	68.9	63.7	20.0	3.4	35.6	-
16	30.4	3.9	19.4	17.2	3.4	-	69.9	56.2	22.5	2.9	39.4	-
17	29.1	3.9	19.6	17.6	3.3	-	71.5	48.5	25.1	2.8	43.5	-
18	27.8	3.8	19.6	18.0	3.3	-	74.0	41.9	26.6	2.8	45.6	-
19	25.5	4.5	16.5	18.9	3.3	-	76.6	37.1	26.9	2.9	50.9	-
20	21.3	5.3	13.7	19.8	3.3	-	80.2	33.4	26.8	3.2	54.0	-
21	18.1	6.1	11.7	20.5	3.3	-	83.2	31.7	26.0	3.5	56.9	-
22	15.4	6.8	10.3	21.1	3.4	-	82.7	34.3	22.4	3.9	58.6	-
23	13.0	7.9	8.8	21.9	3.6	-	82.5	36.6	19.9	4.5	59.9	-
24	11.2	7.9	7.4	22.6	4.1	-	82.6	37.2	18.5	5.2	61.2	-
25	11.2	7.6	6.3	22.4	4.6	-	78.5	31.4	17.9	6.1	62.3	-
26	11.5	7.6	5.7	20.2	4.9	-	87.0	28.4	17.5	7.0	62.8	-
27	11.3	7.6	5.9	18.5	5.3	-	87.9	26.7	17.3	7.9	61.6	-
28	10.8	7.7	6.3	17.3	5.8	-	85.7	24.8	17.4	8.9	60.1	-
29	10.1	8.1	6.6	16.9	6.3	-	85.4	26.1	15.3	10.1	59.7	-
30	9.4	8.9	6.3	14.8	6.9	-	86.9	29.7	12.3	11.4	58.6	-
31	8.8	-	7.0	11.8	-	-	88.0	-	10.4	12.6	-	-

Table F-8B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	17.5	17.9	7.0	5.0	18.3	38.4	31.1	97.2	28.0	63.4	10.0	25.6	16.6	15.9	14.7	5.9	101.4	99.7
2	16.5	17.2	7.4	5.0	20.0	-	29.7	92.2	34.7	51.5	11.3	-	15.4	16.5	14.0	6.3	114.9	-
3	16.1	16.8	7.9	4.9	21.6	-	29.4	88.8	37.6	41.8	12.7	-	14.4	16.4	13.0	6.5	126.4	-
4	15.9	16.5	8.2	4.8	23.4	-	33.0	90.2	38.5	35.3	14.1	-	14.5	16.8	10.8	6.7	134.0	-
5	15.7	16.2	8.6	4.7	25.1	-	37.4	92.8	39.8	31.4	16.2	-	16.4	17.0	9.3	6.8	165.0	-
6	15.3	15.2	8.9	4.6	25.7	-	39.6	89.8	42.2	28.3	18.5	-	17.5	16.9	8.5	6.9	205.1	-
7	15.3	14.7	9.0	4.9	30.2	-	41.9	80.8	45.2	26.5	21.2	-	18.1	17.2	8.1	6.9	236.3	-
8	14.6	14.5	9.0	4.9	34.3	-	46.4	72.5	48.0	24.9	24.2	-	18.2	17.6	7.9	6.9	270.8	-
9	13.5	13.9	9.2	4.9	35.1	-	51.3	66.8	50.1	20.8	27.1	-	17.8	17.8	7.8	7.0	289.7	-
10	13.0	13.6	9.6	5.2	31.7	-	55.1	62.1	59.3	18.1	29.8	-	17.5	17.8	7.6	7.4	263.9	-
11	12.8	13.2	9.9	6.1	28.2	-	58.4	58.0	67.8	15.8	31.8	-	17.4	17.9	7.8	8.5	237.0	-
12	12.7	13.2	10.0	7.2	25.9	-	61.2	54.8	75.9	14.1	33.0	-	17.0	18.3	8.3	9.4	224.1	-
13	12.6	12.7	9.9	8.3	24.3	-	64.5	49.0	80.7	12.8	34.0	-	16.9	18.1	9.4	10.1	222.9	-
14	12.9	11.0	9.7	9.2	23.9	-	74.5	44.1	82.3	11.9	35.0	-	17.1	18.5	10.0	10.8	204.1	-
15	14.9	9.5	9.4	10.1	23.5	-	87.3	43.7	75.8	11.4	37.0	-	17.1	19.0	10.2	13.0	183.4	-
16	17.0	8.8	9.0	10.7	24.3	-	100.7	43.0	70.0	10.9	40.1	-	17.0	22.5	8.7	16.0	166.6	-
17	18.6	8.5	8.8	11.2	25.8	-	113.0	41.9	66.6	8.7	43.2	-	16.9	26.1	7.4	19.2	151.6	-
18	18.7	7.3	8.6	11.6	28.6	-	120.1	39.4	77.2	7.3	45.8	-	16.7	29.0	6.5	22.7	139.6	-
19	18.4	6.1	8.4	12.0	31.9	-	127.2	35.8	89.5	6.6	47.3	-	16.0	31.4	5.9	26.5	120.4	-
20	18.5	5.1	8.2	12.3	35.2	-	137.2	32.6	95.7	6.1	48.5	-	15.0	33.1	5.6	32.5	103.8	-
21	19.2	4.6	8.0	12.6	39.0	-	146.6	26.5	100.8	5.6	49.0	-	14.3	34.1	5.4	40.4	92.9	-
22	20.3	4.4	7.6	12.7	43.2	-	164.3	24.7	100.3	5.3	49.8	-	13.9	34.8	5.2	48.7	85.2	-
23	20.8	4.5	7.1	12.8	48.3	-	158.7	24.0	95.4	5.2	49.6	-	13.5	34.4	5.0	57.6	78.7	-
24	20.7	4.7	6.7	12.8	53.3	-	152.8	23.4	90.5	5.2	42.9	-	13.2	33.2	5.0	67.6	73.3	-
25	20.1	4.8	6.5	12.9	58.4	-	141.4	22.2	88.8	6.0	35.4	-	12.0	29.7	4.9	78.3	68.9	-
26	19.6	4.7	6.3	12.6	63.9	-	131.5	21.0	89.7	7.3	31.1	-	11.4	26.2	4.8	89.6	65.6	-
27	19.6	5.0	6.0	11.4	63.9	-	121.3	20.9	87.5	8.3	28.3	-	11.3	23.9	4.7	101.0	63.7	-
28	19.1	5.5	6.0	11.1	56.3	-	112.7	21.3	83.8	8.7	27.1	-	11.4	21.1	4.6	104.5	66.1	-
29	18.1	6.2	5.7	12.6	47.6	-	107.3	22.6	82.4	8.6	26.7	-	12.2	17.8	4.8	103.0	80.0	-
30	17.7	6.6	5.4	15.3	42.8	-	103.7	23.3	88.1	8.7	26.2	-	13.9	15.7	5.2	99.2	91.7	-
31	18.0	-	5.1	16.8	-	-	101.0	-	78.0	9.2	-	-	15.1	-	5.6	98.2	-	-

Table F-8B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	53.0	8.3	10.0	9.3	10.7	8.2	177.8	111.5	42.9	10.5	15.4	67.9
2	48.7	7.9	10.1	10.7	9.2	-	167.9	110.3	45.1	10.0	16.2	-
3	46.1	7.4	10.2	12.0	8.2	-	144.6	103.7	45.1	9.8	17.7	-
4	44.2	7.0	10.4	13.3	7.4	-	134.8	92.7	44.3	9.6	20.0	-
5	42.9	6.6	10.7	14.4	6.7	-	135.6	86.9	43.2	9.5	22.3	-
6	42.2	6.2	10.9	15.8	5.9	-	131.0	96.0	37.1	9.1	23.8	-
7	41.5	5.9	11.2	16.5	5.1	-	113.5	105.7	30.9	8.4	25.2	-
8	40.1	5.6	12.3	16.5	4.7	-	106.6	104.3	28.7	7.5	26.4	-
9	39.2	5.4	14.2	16.3	4.4	-	105.0	102.5	30.0	6.9	27.7	-
10	38.1	5.2	15.8	16.5	4.2	-	96.5	96.3	31.5	6.4	29.2	-
11	35.6	5.0	16.9	17.0	4.1	-	90.8	87.5	28.9	6.2	30.8	-
12	34.0	4.9	17.6	17.5	4.0	-	94.6	95.5	23.5	5.9	32.9	-
13	32.5	4.8	17.8	17.8	4.0	-	91.7	100.0	20.6	5.4	34.9	-
14	31.3	4.6	18.0	18.1	3.9	-	86.6	87.8	20.8	4.5	37.2	-
15	30.4	4.5	18.1	18.6	3.8	-	88.9	76.4	23.3	3.8	39.3	-
16	29.5	4.5	18.2	19.2	3.8	-	92.1	68.3	26.3	3.3	43.5	-
17	28.3	4.4	18.2	19.8	3.7	-	93.0	59.4	29.3	3.1	48.1	-
18	27.3	4.4	17.7	20.5	3.7	-	95.5	51.3	31.4	3.2	51.9	-
19	24.8	5.0	15.1	21.5	3.6	-	98.9	44.9	32.2	3.3	59.0	-
20	21.7	5.9	12.6	23.0	3.5	-	103.1	40.3	32.3	3.5	62.1	-
21	18.6	6.7	10.8	23.6	3.5	-	107.0	39.2	30.6	3.8	65.5	-
22	16.0	7.5	9.5	24.4	3.6	-	107.2	41.3	27.6	4.3	68.7	-
23	13.7	8.5	8.1	25.2	3.9	-	106.7	44.1	25.0	5.1	70.3	-
24	12.0	8.6	6.8	25.7	4.5	-	105.8	45.0	23.1	5.8	71.7	-
25	11.8	8.4	5.9	25.2	4.9	-	100.4	39.5	22.3	6.8	73.0	-
26	12.0	8.3	5.5	22.7	5.3	-	107.7	35.1	21.9	7.8	73.5	-
27	11.8	8.3	5.7	20.7	5.8	-	111.2	32.9	21.5	8.8	72.5	-
28	11.3	8.5	6.1	19.5	6.3	-	109.4	31.2	20.8	10.1	70.9	-
29	10.6	8.9	6.4	19.0	6.8	-	108.6	34.4	17.2	11.5	70.1	-
30	9.9	9.5	6.4	15.9	7.5	-	110.0	39.0	13.9	12.8	68.9	-
31	9.1	-	7.6	12.7	-	-	111.5	-	11.7	14.1	-	-

Table F-9A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	7.6	5.9	2.2	1.9	6.3	16.6	15.9	53.8	10.5	31.6	3.7	11.7	6.6	5.8	6.3	2.0	45.3	53.8
2	7.2	5.8	2.3	1.8	6.9	-	15.2	50.3	12.6	25.3	4.1	-	6.2	6.1	5.9	2.1	49.2	-
3	7.0	5.7	2.5	1.8	7.5	-	15.1	50.0	14.9	20.8	4.6	-	5.8	6.1	5.6	2.2	56.0	-
4	6.8	5.6	2.6	1.7	8.1	-	15.1	49.6	15.3	16.9	5.2	-	5.6	6.5	5.0	2.2	61.2	-
5	6.7	5.5	2.8	1.7	8.8	-	17.2	50.7	15.7	14.7	6.0	-	5.6	6.8	4.2	2.3	69.0	-
6	6.6	5.4	2.9	1.7	9.3	-	19.0	52.1	16.1	13.0	7.1	-	5.9	6.9	3.7	2.3	89.6	-
7	6.3	5.0	2.9	1.7	9.9	-	19.8	47.9	17.0	11.7	8.2	-	6.2	6.9	3.4	2.3	105.3	-
8	6.2	5.0	2.9	1.7	11.4	-	22.0	42.3	18.2	11.0	9.4	-	6.4	7.0	3.2	2.3	122.9	-
9	5.8	4.8	3.0	1.7	12.8	-	24.7	38.0	19.3	9.3	10.8	-	6.4	7.0	3.1	2.4	141.6	-
10	5.4	4.7	3.1	1.7	13.3	-	27.0	34.7	22.5	7.8	12.1	-	6.3	7.0	3.0	2.5	147.0	-
11	5.2	4.6	3.2	1.8	12.3	-	29.1	32.1	26.6	6.7	13.3	-	6.2	7.1	3.0	2.7	132.7	-
12	5.1	4.5	3.3	2.1	11.1	-	30.9	29.8	30.5	5.9	14.2	-	6.1	7.1	3.0	3.4	121.2	-
13	5.0	4.4	3.4	2.4	10.2	-	32.7	27.8	33.5	5.2	14.5	-	6.0	7.1	3.1	3.9	115.1	-
14	5.1	4.4	3.3	2.8	10.1	-	35.5	24.3	34.7	4.8	15.0	-	6.0	7.2	3.3	4.3	110.6	-
15	5.1	4.1	3.2	3.0	10.0	-	43.1	22.1	35.0	4.5	15.7	-	6.0	7.3	3.5	4.8	97.7	-
16	5.6	3.7	3.1	3.3	10.3	-	50.4	21.9	31.9	4.2	16.9	-	5.9	7.8	3.4	6.0	89.3	-
17	6.1	3.5	3.0	3.4	10.7	-	58.1	21.3	29.8	3.8	18.3	-	5.9	9.3	2.9	7.2	80.9	-
18	6.4	3.4	2.9	3.5	11.8	-	63.8	20.4	30.3	3.1	19.9	-	5.8	10.7	2.5	8.7	74.0	-
19	6.1	2.9	2.9	3.6	13.2	-	69.4	18.6	35.7	2.7	20.9	-	5.7	11.9	2.2	10.2	66.2	-
20	5.9	2.4	2.8	3.7	14.7	-	75.9	16.8	39.8	2.4	21.6	-	5.3	12.7	2.0	12.4	55.8	-
21	5.9	2.1	2.7	3.8	16.3	-	82.0	13.2	42.2	2.2	22.2	-	5.1	13.3	1.9	15.6	48.7	-
22	6.2	1.9	2.7	3.8	18.1	-	97.6	11.6	43.7	2.0	22.5	-	4.9	13.7	1.9	19.2	44.4	-
23	6.5	1.9	2.5	3.8	20.1	-	93.0	11.0	42.4	1.9	22.9	-	4.7	13.6	1.8	23.0	40.8	-
24	6.6	1.9	2.3	3.8	22.2	-	89.8	10.7	40.3	1.9	22.3	-	4.8	13.2	1.8	27.5	37.7	-
25	6.6	1.9	2.2	3.9	24.3	-	82.2	10.2	38.7	1.9	18.0	-	4.8	12.2	1.8	32.4	35.3	-
26	6.5	2.0	2.1	3.8	26.5	-	76.5	9.7	38.3	2.3	15.0	-	4.6	10.8	1.7	37.9	33.5	-
27	6.3	2.0	2.1	3.7	27.9	-	70.5	9.2	38.5	2.8	13.4	-	4.5	9.8	1.7	43.7	32.2	-
28	6.3	2.0	2.1	3.6	25.9	-	65.1	9.1	37.4	3.2	12.5	-	4.4	8.9	1.6	47.0	32.3	-
29	6.0	2.1	2.0	4.0	21.2	-	60.7	9.3	36.3	3.4	12.2	-	4.5	7.9	1.6	47.4	40.5	-
30	5.8	2.1	2.0	5.0	18.5	-	57.7	9.7	35.6	3.3	12.0	-	4.8	6.8	1.8	45.8	47.2	-
31	5.9	-	1.9	5.8	-	-	55.6	-	36.1	3.4	-	-	5.3	-	1.9	45.0	-	-

Table F-9A. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	29.9	3.3	3.5	2.8	4.1	2.4	119.3	67.7	16.7	4.6	5.6	31.4
2	27.2	3.1	3.6	3.3	3.5	-	115.1	67.2	18.1	4.2	6.1	-
3	25.6	2.9	3.7	3.8	3.1	-	105.9	65.9	18.9	4.0	6.5	-
4	24.5	2.7	3.8	4.2	2.7	-	91.6	59.1	18.8	3.9	7.3	-
5	23.5	2.6	3.8	4.6	2.5	-	90.6	53.5	18.6	3.8	8.2	-
6	22.9	2.4	3.9	5.0	2.2	-	89.9	53.3	17.4	3.6	9.0	-
7	22.4	2.3	4.0	5.4	1.9	-	77.2	60.7	14.5	3.4	9.8	-
8	21.7	2.1	4.1	5.8	1.7	-	68.6	62.0	12.4	3.1	10.4	-
9	20.9	2.0	4.5	5.9	1.5	-	67.3	62.0	11.9	2.8	11.1	-
10	20.2	2.0	5.0	5.9	1.4	-	63.5	59.3	12.3	2.5	11.8	-
11	19.0	1.9	5.5	6.0	1.4	-	59.0	47.8	12.6	2.3	12.5	-
12	17.8	1.8	5.8	6.1	1.3	-	60.5	48.8	10.7	2.2	13.4	-
13	16.9	1.8	6.0	6.2	1.3	-	59.7	53.1	8.8	2.0	14.3	-
14	16.3	1.7	6.1	6.3	1.2	-	56.5	54.8	8.0	1.8	15.2	-
15	15.7	1.7	6.1	6.7	1.2	-	52.7	47.0	8.2	1.5	16.3	-
16	15.2	1.7	6.1	6.8	1.2	-	55.8	42.0	9.0	1.3	17.1	-
17	14.7	1.6	6.2	7.0	1.1	-	56.2	35.9	10.1	1.2	19.3	-
18	14.0	1.6	6.1	7.2	1.1	-	57.4	30.4	11.1	1.1	20.7	-
19	13.0	1.6	6.0	7.4	1.1	-	59.7	26.1	11.8	1.1	24.2	-
20	11.4	1.8	5.2	7.9	1.1	-	61.9	22.9	12.0	1.2	26.8	-
21	9.8	2.1	4.5	8.2	1.1	-	64.8	21.3	11.7	1.3	28.0	-
22	8.3	2.3	3.8	8.5	1.0	-	64.9	20.6	11.1	1.4	29.0	-
23	7.0	2.7	3.3	8.8	1.1	-	64.5	21.4	10.2	1.7	29.9	-
24	5.9	3.0	2.8	9.0	1.2	-	64.5	22.1	9.3	2.0	30.8	-
25	5.3	3.1	2.4	8.8	1.3	-	60.8	20.9	8.7	2.3	31.6	-
26	4.9	3.0	2.2	8.6	1.5	-	61.5	18.1	8.4	2.7	32.3	-
27	4.8	3.1	2.0	8.0	1.6	-	65.9	16.5	8.1	3.1	32.5	-
28	4.5	3.1	2.1	7.4	1.8	-	65.6	15.3	7.9	3.6	32.1	-
29	4.2	3.2	2.1	7.0	2.0	-	64.8	14.4	7.6	4.1	31.8	-
30	3.9	3.3	2.2	6.5	2.1	-	65.7	15.2	6.5	4.6	31.7	-
31	3.6	-	2.2	5.1	-	-	66.8	-	5.4	5.1	-	-

Table F-9B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	8.1	6.4	2.2	1.9	6.5	15.8	16.0	57.9	11.8	36.2	3.5	11.6	6.5	5.7	6.8	2.0	47.1	55.8
2	7.7	6.3	2.3	1.8	7.1	-	15.3	54.5	14.2	29.5	3.9	-	6.1	6.0	6.4	2.1	50.6	-
3	7.4	6.1	2.5	1.8	7.7	-	15.0	52.0	16.8	24.0	4.4	-	5.7	6.1	6.0	2.2	57.4	-
4	7.2	6.0	2.6	1.7	8.4	-	15.5	51.5	17.5	19.4	5.0	-	5.4	6.5	5.2	2.2	64.0	-
5	7.0	5.9	2.8	1.7	9.0	-	17.5	52.4	18.1	16.5	5.7	-	5.5	6.8	4.5	2.2	75.5	-
6	6.9	5.7	2.9	1.7	9.5	-	19.5	53.4	18.4	14.6	6.7	-	5.8	6.9	4.0	2.3	98.2	-
7	6.7	5.4	3.0	1.7	10.2	-	20.8	50.1	19.2	13.2	7.8	-	6.1	7.0	3.6	2.3	117.4	-
8	6.6	5.3	3.0	1.7	11.6	-	23.0	44.5	20.5	12.4	8.9	-	6.3	7.0	3.4	2.3	137.2	-
9	6.2	5.2	3.0	1.7	13.0	-	25.7	39.9	21.9	10.5	10.2	-	6.3	7.0	3.3	2.3	153.1	-
10	5.8	5.0	3.2	1.7	13.3	-	28.2	36.3	25.6	8.8	11.5	-	6.3	7.1	3.2	2.5	154.8	-
11	5.5	4.9	3.3	1.8	12.2	-	30.5	33.6	30.2	7.6	12.6	-	6.2	7.1	3.1	2.8	140.2	-
12	5.4	4.8	3.4	2.1	11.0	-	32.4	31.2	34.6	6.6	13.5	-	6.1	7.2	3.2	3.4	128.0	-
13	5.4	4.8	3.4	2.5	10.1	-	34.3	28.8	37.8	5.9	14.0	-	6.0	7.2	3.3	3.8	121.9	-
14	5.4	4.6	3.3	2.8	9.9	-	37.8	25.5	39.1	5.3	14.5	-	5.9	7.3	3.6	4.2	116.3	-
15	5.6	4.1	3.2	3.1	9.8	-	45.2	23.8	38.2	5.0	15.2	-	5.9	7.5	3.7	4.8	103.3	-
16	6.2	3.8	3.1	3.3	10.1	-	52.9	23.5	35.0	4.7	16.4	-	5.9	8.3	3.5	5.9	94.3	-
17	6.8	3.5	3.0	3.5	10.5	-	60.8	23.0	32.7	3.9	17.7	-	5.8	9.8	3.0	7.2	85.6	-
18	7.1	3.4	2.9	3.6	11.4	-	66.8	22.0	35.4	3.2	19.3	-	5.7	11.3	2.6	8.6	78.3	-
19	6.8	2.9	2.9	3.7	12.7	-	72.7	20.2	41.2	2.7	20.4	-	5.6	12.7	2.3	10.2	69.1	-
20	6.6	2.5	2.8	3.8	14.1	-	79.3	18.2	47.1	2.4	21.2	-	5.2	13.7	2.1	12.5	57.8	-
21	6.5	2.1	2.8	3.9	15.7	-	84.9	14.5	50.4	2.2	21.7	-	5.0	14.4	2.0	15.9	50.7	-
22	6.6	1.9	2.7	3.9	17.3	-	98.3	12.3	51.8	2.0	22.1	-	4.8	15.0	1.9	19.5	46.2	-
23	6.9	1.8	2.6	3.9	19.3	-	99.0	11.5	50.8	1.9	22.4	-	4.6	14.8	1.8	23.7	42.6	-
24	7.1	1.8	2.4	4.0	21.4	-	95.6	11.1	48.5	1.9	21.9	-	4.6	14.3	1.8	28.4	39.4	-
25	7.1	1.9	2.3	4.0	23.5	-	88.4	10.7	46.5	1.9	17.8	-	4.6	13.3	1.8	33.5	36.9	-
26	7.0	1.9	2.2	3.9	25.8	-	82.2	10.1	46.0	2.3	14.9	-	4.5	11.9	1.7	39.2	35.0	-
27	6.9	1.9	2.2	3.8	26.8	-	75.9	9.7	45.9	2.8	13.3	-	4.4	10.8	1.7	45.1	33.6	-
28	6.8	2.0	2.1	3.7	24.9	-	70.0	9.6	44.7	3.2	12.3	-	4.3	9.9	1.6	48.9	34.0	-
29	6.5	2.0	2.1	4.1	20.6	-	65.3	9.9	42.7	3.3	12.0	-	4.4	8.7	1.6	49.3	41.7	-
30	6.3	2.1	2.0	5.0	17.7	-	62.1	10.4	43.3	3.2	11.8	-	4.7	7.4	1.8	47.8	48.8	-
31	6.3	-	1.9	5.9	-	-	59.9	-	41.4	3.3	-	-	5.3	-	1.9	46.9	-	-

Table F-9B. Scenario 3 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17) ***(continued)***

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	29.3	3.2	3.3	2.9	4.1	2.4	124.6	70.1	17.9	4.8	5.4	32.7
2	26.7	3.0	3.4	3.5	3.4	-	118.6	69.4	19.4	4.3	5.8	-
3	24.9	2.8	3.4	4.0	3.0	-	104.2	67.9	20.4	4.0	6.3	-
4	23.7	2.6	3.5	4.5	2.7	-	90.1	61.3	20.6	3.9	7.0	-
5	22.7	2.4	3.6	4.9	2.4	-	88.4	55.2	20.5	3.8	7.9	-
6	22.1	2.3	3.7	5.3	2.2	-	87.6	54.6	19.1	3.6	8.8	-
7	21.6	2.2	3.8	5.7	1.9	-	77.0	61.3	16.0	3.4	9.6	-
8	21.0	2.0	4.0	6.0	1.7	-	68.1	64.0	13.6	3.1	10.2	-
9	20.3	1.9	4.4	6.2	1.5	-	65.5	64.2	12.8	2.8	10.9	-
10	19.7	1.8	4.8	6.2	1.4	-	62.5	61.9	13.1	2.5	11.6	-
11	18.6	1.8	5.2	6.3	1.4	-	58.0	51.0	13.3	2.4	12.3	-
12	17.5	1.7	5.5	6.4	1.3	-	59.7	51.3	11.2	2.2	13.1	-
13	16.7	1.7	5.7	6.6	1.3	-	60.5	55.6	9.3	2.0	14.0	-
14	16.0	1.6	5.7	6.7	1.2	-	57.3	57.4	8.4	1.8	15.0	-
15	15.4	1.6	5.8	7.0	1.2	-	53.8	50.3	8.7	1.5	16.0	-
16	14.8	1.6	5.8	7.2	1.2	-	56.1	44.7	9.5	1.3	17.0	-
17	14.3	1.5	5.8	7.4	1.2	-	56.3	38.3	10.7	1.2	18.9	-
18	13.6	1.5	5.7	7.6	1.1	-	57.4	32.5	11.8	1.1	20.6	-
19	12.6	1.5	5.5	7.9	1.1	-	59.5	27.9	12.6	1.1	23.8	-
20	11.1	1.7	4.8	8.3	1.1	-	61.7	24.4	13.0	1.1	26.7	-
21	9.5	1.9	4.2	8.7	1.1	-	64.4	22.6	12.6	1.2	28.5	-
22	8.0	2.2	3.6	9.0	1.0	-	65.3	21.8	12.1	1.3	30.4	-
23	6.8	2.5	3.1	9.3	1.1	-	65.0	22.2	11.3	1.6	31.4	-
24	5.7	2.7	2.7	9.6	1.2	-	64.8	22.7	10.3	1.9	32.3	-
25	5.1	2.8	2.3	9.4	1.4	-	61.6	21.1	9.6	2.2	33.1	-
26	4.7	2.8	2.1	9.1	1.5	-	63.4	18.4	9.2	2.6	33.8	-
27	4.6	2.9	2.0	8.4	1.7	-	67.6	16.6	9.0	2.9	33.9	-
28	4.3	2.9	2.0	7.7	1.8	-	68.2	15.5	8.7	3.4	33.4	-
29	4.0	3.0	2.1	7.3	2.0	-	67.6	14.9	8.1	3.9	33.1	-
30	3.8	3.1	2.2	6.5	2.2	-	68.3	16.2	6.7	4.4	33.0	-
31	3.5	-	2.4	5.1	-	-	69.4	-	5.6	4.9	-	-

Appendix G. Rolling 30-Day Geomean Values Using Noon Values and Daily Average Values – Scenario 4

Table G-1A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	71.0	93.2	99.7	145.6	243.5	217.1	117.1	135.2	96.3	144.5	138.7	128.8	73.3	120.6	122.6	101.7	377.6	199.0
2	71.1	93.2	101.4	146.5	253.8	-	117.1	137.0	102.2	135.6	149.2	-	73.5	120.4	124.4	105.9	355.3	-
3	71.2	93.1	104.2	144.8	261.6	-	115.8	149.6	99.9	126.0	158.8	-	73.6	113.8	120.1	110.6	338.3	-
4	71.2	93.5	105.6	144.8	260.6	-	114.8	149.8	108.2	117.5	170.8	-	81.2	121.3	113.8	110.8	343.8	-
5	70.7	94.0	106.6	145.2	256.7	-	113.3	150.1	116.2	111.4	186.7	-	80.6	128.8	112.9	108.8	402.3	-
6	70.5	93.7	108.3	144.3	282.8	-	112.2	151.2	122.6	107.7	203.1	-	80.6	132.1	114.9	110.2	425.4	-
7	71.9	92.7	109.8	148.5	265.1	-	110.6	152.3	126.9	109.4	217.6	-	80.6	133.2	114.0	112.6	451.3	-
8	73.3	92.6	110.7	158.6	249.0	-	109.4	152.7	125.6	103.6	230.5	-	81.4	131.0	116.2	114.4	480.7	-
9	74.2	92.5	111.4	171.4	235.7	-	109.0	153.2	133.7	95.9	237.6	-	82.0	130.5	117.1	116.3	488.2	-
10	75.1	92.2	111.9	184.6	217.1	-	108.7	154.0	144.8	89.7	237.0	-	82.2	132.5	116.2	123.6	469.4	-
11	75.9	92.0	112.7	196.4	200.3	-	108.2	154.9	155.2	85.2	234.4	-	82.0	135.1	115.2	138.7	457.4	-
12	76.4	92.0	114.6	205.9	185.8	-	107.5	156.1	163.8	82.5	231.7	-	81.5	135.3	114.8	147.7	448.0	-
13	76.7	83.0	117.6	214.7	174.1	-	106.8	141.2	171.3	81.7	230.9	-	81.3	136.9	116.7	155.6	438.1	-
14	86.0	84.3	119.8	223.9	163.6	-	116.6	132.2	170.6	81.3	227.7	-	80.6	138.3	118.0	165.7	398.2	-
15	86.2	85.2	121.0	230.7	165.3	-	126.4	128.5	163.3	81.7	232.5	-	80.5	145.5	113.9	185.5	357.6	-
16	86.9	85.5	122.5	234.6	176.6	-	135.8	127.4	157.7	78.6	239.7	-	80.4	155.6	107.7	201.7	325.0	-
17	87.5	85.9	123.2	232.8	190.7	-	141.9	119.8	166.0	74.7	238.1	-	80.4	162.2	104.1	217.6	298.3	-
18	88.4	85.2	123.3	230.8	204.6	-	149.4	111.8	175.7	72.8	236.2	-	80.6	161.2	105.2	232.7	274.3	-
19	85.1	83.7	124.4	228.0	216.0	-	159.3	105.8	180.8	69.8	235.0	-	80.9	160.5	106.1	248.2	248.8	-
20	87.6	84.4	125.3	226.9	226.8	-	168.6	98.4	188.2	67.0	233.8	-	81.3	160.2	106.7	269.0	224.3	-
21	88.2	85.3	125.6	227.8	241.3	-	174.4	95.2	184.5	67.2	233.5	-	81.4	159.8	107.0	294.1	203.2	-
22	88.8	86.1	124.9	223.5	255.7	-	176.6	93.9	172.6	67.1	232.8	-	81.5	158.5	107.0	319.8	184.9	-
23	89.6	86.0	126.6	215.8	266.6	-	173.5	89.0	172.5	67.0	218.9	-	82.0	151.1	107.1	345.7	171.7	-
24	90.9	86.6	129.4	210.1	276.3	-	166.3	87.2	171.0	71.0	187.2	-	86.0	142.2	105.1	367.0	160.9	-
25	92.1	88.6	129.7	209.1	285.5	-	156.6	88.4	167.5	82.7	170.8	-	92.6	136.0	102.4	386.0	154.2	-
26	92.7	90.1	127.9	198.9	292.3	-	145.4	90.4	164.8	90.6	158.6	-	99.6	132.5	100.6	398.3	154.3	-
27	92.8	91.7	132.2	197.2	288.9	-	136.4	92.1	162.5	98.4	146.9	-	104.0	132.4	99.1	395.6	156.4	-
28	93.1	93.2	133.0	198.1	273.4	-	132.8	93.2	160.6	105.1	141.0	-	105.9	128.3	97.6	394.3	169.1	-
29	95.0	96.0	137.5	206.4	251.1	-	133.4	93.6	160.2	112.8	139.3	-	112.0	123.4	95.0	381.6	188.0	-
30	94.3	98.6	141.9	222.9	231.9	-	134.2	93.7	159.2	119.7	135.7	-	118.9	121.6	96.2	366.1	206.8	-
31	93.2	-	142.9	235.1	-	-	134.9	-	154.0	128.0	-	-	122.5	-	100.2	354.2	-	-

Table G-1A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	113.1	90.4	138.0	161.8	127.3	223.4	201.6	113.1	90.1	97.7	206.6	178.2
2	106.0	90.8	140.6	174.6	119.6	-	201.8	113.7	90.8	97.5	205.6	-
3	100.3	91.8	140.9	184.6	114.7	-	185.5	114.7	91.3	97.1	202.9	-
4	98.5	92.8	141.2	190.3	112.9	-	170.5	115.8	92.0	96.2	201.5	-
5	98.8	93.8	142.2	191.1	111.7	-	159.9	117.5	93.2	95.3	197.8	-
6	99.1	93.8	143.5	191.7	107.0	-	146.8	133.5	83.6	91.2	193.8	-
7	100.3	93.0	144.2	199.0	104.0	-	133.3	123.8	89.4	86.6	191.0	-
8	102.3	92.8	144.9	207.6	104.7	-	129.9	123.9	96.3	84.3	188.6	-
9	103.9	92.9	145.2	211.6	106.2	-	118.3	124.3	100.3	85.0	186.3	-
10	105.2	93.3	144.7	209.6	106.4	-	108.6	117.4	100.7	85.4	183.9	-
11	107.5	94.0	144.5	204.4	108.3	-	105.6	118.2	93.6	85.6	183.2	-
12	109.8	94.7	147.1	197.7	111.0	-	103.6	114.5	93.3	84.9	185.0	-
13	110.6	95.6	150.7	194.1	112.8	-	99.1	115.1	95.3	83.2	188.2	-
14	111.3	96.7	151.6	190.9	111.8	-	90.4	107.7	98.0	81.6	190.1	-
15	112.4	97.4	152.6	191.7	111.2	-	90.0	102.2	100.7	79.6	192.7	-
16	113.9	97.5	154.2	195.6	115.1	-	89.8	94.7	104.5	79.8	195.3	-
17	115.3	97.1	155.6	192.6	115.2	-	92.8	87.1	105.3	82.3	195.0	-
18	117.0	96.8	157.4	190.6	117.1	-	96.8	80.8	105.5	87.4	196.0	-
19	120.2	97.4	156.2	188.6	121.4	-	101.2	76.6	105.7	93.6	199.5	-
20	119.8	98.0	154.9	186.1	126.6	-	108.3	75.8	105.5	99.6	203.6	-
21	114.0	100.6	151.2	183.7	132.8	-	111.0	75.9	106.8	105.9	208.9	-
22	105.9	107.8	141.7	181.1	137.6	-	111.7	76.9	106.5	115.3	209.9	-
23	99.2	116.5	131.1	182.3	143.5	-	111.8	77.6	106.2	126.6	211.0	-
24	96.2	123.8	122.1	188.5	147.8	-	112.1	79.2	105.0	137.9	211.5	-
25	96.9	131.2	115.4	184.3	152.1	-	113.1	81.3	103.3	149.1	209.2	-
26	92.0	134.8	119.7	186.4	159.0	-	112.9	83.1	102.1	161.0	203.4	-
27	86.9	137.3	121.6	185.6	173.6	-	113.4	85.1	100.7	172.8	196.6	-
28	85.2	138.1	125.3	182.6	185.5	-	113.4	87.0	99.5	183.5	191.6	-
29	86.8	138.5	124.7	172.9	197.7	-	113.5	88.5	98.7	192.7	184.5	-
30	88.2	138.2	130.9	151.7	210.9	-	113.5	89.3	98.4	200.4	179.5	-
31	89.4	-	148.4	138.1	-	-	113.1	-	98.1	206.0	-	-

Table G-1B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	76.4	109.6	108.2	142.5	256.2	206.3	121.3	145.6	119.2	163.0	132.8	130.0	80.7	123.1	131.7	108.5	369.6	194.1
2	76.5	109.7	110.1	143.3	266.8	-	121.1	147.5	133.4	147.4	142.9	-	80.9	122.9	133.6	113.0	348.0	-
3	76.5	109.6	113.1	141.8	275.4	-	119.7	146.6	137.8	137.0	152.1	-	81.1	121.7	124.4	118.5	331.3	-
4	76.4	110.0	114.8	141.8	274.5	-	128.2	146.7	149.1	127.7	163.5	-	88.4	130.0	117.4	119.0	336.4	-
5	75.9	110.7	115.9	142.1	269.6	-	126.5	147.1	160.2	121.0	178.8	-	87.6	137.2	116.2	116.8	378.9	-
6	75.7	111.1	117.7	141.8	279.6	-	125.3	147.6	169.2	117.0	195.2	-	88.1	140.9	118.3	118.1	401.0	-
7	74.0	110.1	119.8	145.9	262.2	-	124.0	148.6	175.2	117.6	209.5	-	88.4	142.1	117.4	120.6	425.2	-
8	74.1	109.8	120.9	156.1	246.2	-	122.6	149.5	174.3	109.6	222.0	-	89.2	141.1	118.7	122.7	453.7	-
9	75.1	109.7	121.4	169.4	228.4	-	121.8	150.1	188.4	101.4	229.0	-	89.7	141.0	119.6	124.5	455.8	-
10	76.0	109.3	121.4	186.1	210.4	-	121.4	150.9	204.1	94.8	228.5	-	89.7	143.1	118.8	131.4	420.3	-
11	76.8	109.1	122.3	198.3	194.1	-	120.8	151.8	218.9	90.0	226.0	-	89.4	145.9	119.8	146.9	409.7	-
12	77.3	109.2	124.3	207.9	180.0	-	120.1	153.0	231.2	87.3	223.4	-	88.9	146.2	125.0	156.4	401.2	-
13	77.7	99.9	128.0	216.9	168.6	-	119.3	142.0	240.7	86.4	221.0	-	88.7	147.6	127.0	164.8	392.6	-
14	85.4	101.2	130.5	226.1	159.3	-	127.4	136.9	232.8	86.6	218.0	-	88.2	149.0	128.5	175.4	365.5	-
15	85.9	102.2	131.9	233.1	160.8	-	138.1	133.0	222.9	87.0	222.6	-	88.1	159.9	121.8	192.0	328.3	-
16	86.6	102.4	133.5	238.1	171.7	-	148.5	131.9	215.0	83.8	229.6	-	87.8	171.1	115.1	208.7	298.2	-
17	87.4	90.9	133.8	236.7	185.3	-	154.0	124.2	225.9	77.4	228.6	-	87.8	178.5	111.2	225.2	273.7	-
18	100.4	84.7	133.8	234.6	198.9	-	159.2	115.8	246.0	75.3	226.8	-	88.1	177.5	112.3	240.9	251.7	-
19	100.2	83.4	135.0	231.8	210.0	-	169.8	109.7	253.1	72.2	225.7	-	88.7	176.8	113.1	256.9	226.1	-
20	103.2	84.0	136.0	230.7	220.6	-	179.8	102.1	263.4	69.3	224.5	-	89.4	176.4	113.9	281.7	203.8	-
21	104.0	84.9	136.3	231.6	234.6	-	186.1	96.9	258.7	69.5	224.0	-	89.5	175.9	114.0	308.1	184.3	-
22	104.6	85.7	135.6	227.3	248.8	-	190.6	95.6	241.8	69.4	223.3	-	89.7	174.4	114.0	335.1	168.0	-
23	105.5	85.6	137.4	219.5	259.4	-	187.3	90.7	241.5	69.3	210.3	-	90.3	166.2	114.0	361.4	156.0	-
24	107.1	86.3	140.4	213.6	268.9	-	179.5	88.8	239.3	73.4	187.8	-	87.0	156.4	112.2	383.7	146.2	-
25	108.5	88.2	140.8	212.5	277.4	-	168.6	90.0	234.5	81.8	171.2	-	91.7	149.5	109.4	403.7	140.0	-
26	109.2	89.9	138.9	204.6	283.8	-	156.6	92.0	230.5	89.7	158.9	-	98.6	145.5	107.5	416.8	140.0	-
27	109.3	99.1	131.0	203.0	280.7	-	146.8	93.4	228.1	97.4	148.4	-	103.1	145.5	105.9	414.3	141.8	-
28	109.6	102.0	130.1	203.8	260.0	-	142.8	94.3	226.4	100.7	142.2	-	105.0	138.0	104.3	410.8	153.2	-
29	110.8	104.6	134.5	217.0	238.8	-	143.4	94.7	233.2	108.1	140.4	-	113.4	132.7	102.1	397.7	172.1	-
30	110.4	107.1	138.8	234.1	220.5	-	144.3	106.0	207.2	114.7	136.9	-	120.4	130.6	103.3	381.4	189.4	-
31	109.6	-	139.9	247.0	-	-	145.0	-	183.3	122.6	-	-	124.2	-	106.9	369.0	-	-

Table G-1B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Upstream of Federal Dam (RT4) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	116.5	100.3	156.2	166.5	128.5	222.6	208.7	127.9	110.8	99.9	206.7	185.0
2	109.0	100.7	158.4	179.7	120.7	-	208.6	128.7	111.6	99.6	206.2	-
3	103.7	101.5	159.1	190.1	115.7	-	189.8	123.6	112.3	99.3	204.8	-
4	101.8	102.7	159.4	196.1	113.7	-	183.2	124.8	112.8	98.5	203.4	-
5	102.1	103.8	160.5	197.1	111.6	-	171.8	126.0	114.1	97.5	199.7	-
6	102.4	103.7	162.0	194.4	106.9	-	158.4	137.5	106.6	93.5	195.6	-
7	103.6	103.0	167.0	202.3	103.9	-	143.1	132.8	113.8	88.7	192.6	-
8	105.7	102.7	167.3	211.8	104.5	-	133.9	132.9	122.9	86.3	190.1	-
9	107.4	102.7	167.0	216.0	106.0	-	121.9	133.4	128.1	87.0	187.8	-
10	108.7	103.3	166.5	214.1	106.2	-	111.7	121.3	128.7	87.4	185.3	-
11	110.7	104.0	166.3	208.8	107.9	-	112.4	124.8	115.4	87.6	184.6	-
12	112.1	104.8	169.2	201.9	110.6	-	111.6	121.0	114.8	87.5	186.3	-
13	113.0	105.6	173.8	198.2	112.4	-	106.8	121.6	116.5	84.7	189.5	-
14	113.7	106.7	174.9	195.0	111.1	-	97.4	114.3	121.2	80.9	191.5	-
15	114.8	107.3	176.3	196.4	110.4	-	96.5	108.0	128.6	78.8	194.3	-
16	116.3	107.4	178.2	200.0	114.2	-	96.2	100.1	133.6	78.8	200.5	-
17	117.9	107.1	180.4	197.0	114.4	-	99.4	92.1	134.7	81.1	200.3	-
18	119.5	118.4	164.6	195.0	116.6	-	103.7	85.4	135.0	86.1	204.0	-
19	122.4	121.5	160.3	192.3	121.3	-	108.3	80.9	135.1	92.1	207.7	-
20	122.1	122.4	158.6	189.1	126.5	-	116.0	80.0	135.0	98.1	212.1	-
21	114.8	125.7	154.8	186.6	132.8	-	119.0	84.0	130.3	104.7	216.7	-
22	106.8	134.6	145.1	183.9	137.6	-	119.2	85.4	128.8	115.0	218.0	-
23	99.9	137.9	134.2	185.0	143.0	-	119.3	86.3	128.1	126.2	219.1	-
24	102.2	139.9	125.0	191.2	147.3	-	119.8	82.7	126.6	137.7	219.6	-
25	107.8	148.2	118.1	185.6	151.6	-	128.1	84.6	124.5	148.9	217.3	-
26	102.4	152.4	123.4	187.7	158.4	-	128.6	86.5	123.0	160.8	211.3	-
27	96.6	155.2	125.3	187.0	172.7	-	128.6	88.6	121.4	172.6	204.2	-
28	94.6	156.3	129.0	184.1	184.6	-	128.5	99.2	109.5	183.4	199.1	-
29	96.3	156.7	128.6	171.5	196.8	-	128.6	108.9	100.8	192.6	191.7	-
30	97.9	156.4	137.1	153.3	210.0	-	128.4	109.9	100.6	200.3	186.5	-
31	99.2	-	152.6	139.5	-	-	128.0	-	100.2	206.0	-	-

Table G-2A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	58.1	73.9	68.1	91.3	172.3	177.2	97.6	127.2	81.7	131.8	112.3	116.0	55.7	98.2	91.9	74.6	350.7	181.0
2	58.0	74.2	69.1	92.1	179.6	-	97.5	128.8	88.6	123.5	121.3	-	55.7	98.3	92.0	77.8	329.2	-
3	57.7	74.1	71.3	91.1	188.7	-	96.3	143.4	81.6	114.3	129.9	-	55.6	87.7	89.1	81.7	313.8	-
4	57.5	74.3	72.5	90.5	189.9	-	99.8	143.5	88.4	105.9	139.9	-	64.6	93.9	83.8	83.3	316.7	-
5	57.0	74.5	73.0	91.2	187.1	-	98.8	143.7	95.4	99.9	154.0	-	64.2	99.4	81.3	81.4	384.9	-
6	56.7	74.4	73.8	91.4	215.7	-	98.0	143.7	101.1	95.7	168.9	-	64.7	102.5	83.1	82.1	411.1	-
7	57.1	73.9	74.6	92.5	204.0	-	97.4	144.4	105.3	96.7	182.4	-	64.7	103.7	82.1	83.7	437.2	-
8	57.3	73.3	75.4	98.9	189.1	-	96.5	145.1	104.5	91.7	194.5	-	65.3	103.1	82.7	85.7	475.2	-
9	57.7	73.2	75.8	108.8	179.8	-	95.9	145.1	111.0	84.3	202.4	-	65.6	103.2	83.2	86.2	490.5	-
10	58.0	73.2	75.3	118.4	165.3	-	95.8	145.6	121.0	78.2	203.2	-	65.4	104.1	82.7	91.1	458.0	-
11	58.3	73.0	75.6	128.1	151.9	-	95.6	145.8	130.8	73.7	202.0	-	65.5	106.7	81.3	100.7	447.5	-
12	58.4	72.9	76.1	137.1	140.2	-	95.3	146.1	139.4	70.9	200.7	-	65.3	106.7	85.3	108.3	438.3	-
13	58.6	62.9	77.2	145.0	130.6	-	95.1	128.4	146.0	69.6	199.3	-	65.2	107.9	86.5	114.9	431.5	-
14	68.0	63.1	78.5	152.9	122.7	-	107.7	118.6	147.3	69.6	197.6	-	64.6	108.7	87.6	122.6	383.6	-
15	68.3	63.6	79.2	159.7	121.5	-	117.9	114.7	141.1	69.6	208.9	-	64.6	112.9	85.5	142.6	343.5	-
16	68.6	63.7	79.6	164.6	130.2	-	127.8	113.9	135.4	67.0	217.1	-	64.7	121.5	79.9	157.3	311.4	-
17	68.9	63.3	80.2	164.7	141.5	-	134.9	107.3	141.7	63.2	217.3	-	64.8	128.0	75.9	171.3	285.4	-
18	70.0	58.3	79.4	163.8	153.2	-	139.7	99.7	150.8	61.1	216.3	-	65.1	127.6	76.5	185.0	262.4	-
19	69.6	56.9	79.8	163.1	163.3	-	150.2	93.9	155.5	58.5	215.6	-	65.5	127.3	76.8	199.1	234.6	-
20	71.8	57.1	79.9	162.7	172.0	-	159.5	87.1	162.2	55.8	215.1	-	66.4	127.3	77.1	220.5	210.9	-
21	72.1	57.4	79.8	164.3	184.2	-	165.8	83.2	161.0	55.8	214.3	-	66.5	127.8	77.0	243.5	190.5	-
22	72.3	57.7	79.6	163.1	197.8	-	168.6	82.2	149.7	55.8	213.9	-	66.5	127.8	76.8	267.4	172.8	-
23	72.6	57.6	79.6	157.3	208.4	-	165.8	77.6	149.4	55.7	203.6	-	66.7	123.3	76.7	291.1	160.2	-
24	73.4	57.5	82.0	151.7	218.0	-	158.9	75.4	148.6	58.4	170.3	-	69.3	114.2	76.2	311.5	149.9	-
25	74.1	58.7	82.8	150.3	227.3	-	149.6	76.0	145.7	69.6	154.6	-	71.1	108.1	74.4	330.4	142.9	-
26	74.6	59.6	81.9	136.0	236.6	-	138.8	77.3	143.6	76.6	143.0	-	77.1	104.0	73.2	345.3	142.6	-
27	74.6	60.5	88.9	135.2	237.7	-	129.8	78.5	141.6	83.5	132.9	-	81.4	104.1	72.1	347.5	144.9	-
28	74.6	65.1	83.3	135.3	226.2	-	125.8	79.3	140.3	84.4	126.6	-	82.8	98.4	70.9	337.6	156.6	-
29	75.0	66.3	85.8	140.6	206.6	-	126.1	79.8	148.0	90.7	124.7	-	89.6	93.6	71.3	335.3	174.9	-
30	74.8	67.7	89.6	154.0	190.3	-	126.6	79.9	147.1	96.7	122.3	-	95.6	90.9	71.0	320.9	193.4	-
31	73.9	-	90.2	165.3	-	-	127.1	-	143.3	103.1	-	-	99.4	-	73.9	316.7	-	-

Table G-2A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	100.0	64.2	95.6	113.4	93.7	169.5	192.4	110.6	87.1	77.9	162.5	156.0
2	93.1	64.4	96.1	123.6	87.2	-	192.4	111.0	87.3	77.5	162.4	-
3	88.3	63.7	97.9	132.2	82.9	-	169.9	111.5	87.8	77.2	161.9	-
4	86.1	64.0	98.2	138.0	80.7	-	155.9	112.1	88.2	76.7	161.6	-
5	85.9	64.3	98.7	139.9	80.1	-	145.8	113.5	88.7	75.8	159.3	-
6	85.8	64.2	99.8	139.9	76.8	-	133.9	134.6	75.8	72.7	156.0	-
7	86.0	63.4	100.6	143.1	73.7	-	121.2	120.7	80.5	68.6	154.0	-
8	87.4	63.0	102.8	151.7	73.8	-	121.7	120.6	87.1	66.2	152.7	-
9	88.2	62.8	102.7	156.3	75.1	-	110.6	120.7	91.3	66.5	151.9	-
10	88.8	62.8	102.8	155.4	75.0	-	101.2	114.2	91.5	66.5	150.6	-
11	90.1	62.7	103.6	153.9	75.1	-	97.8	121.7	79.5	66.5	150.3	-
12	90.7	62.6	105.1	148.3	77.4	-	96.3	117.7	78.4	65.9	152.3	-
13	91.1	62.8	109.1	145.4	78.7	-	92.3	118.1	79.7	60.6	155.9	-
14	91.2	63.2	110.6	144.0	79.3	-	84.0	103.9	86.8	59.5	159.1	-
15	91.4	63.6	111.3	144.8	77.1	-	88.4	98.3	88.5	57.3	161.9	-
16	91.8	63.3	112.2	149.8	80.2	-	88.0	90.7	92.5	57.0	167.9	-
17	92.1	62.9	113.4	147.7	80.5	-	90.8	82.8	93.5	57.6	168.3	-
18	92.7	62.8	115.5	146.6	81.1	-	94.8	76.3	93.8	61.1	169.1	-
19	94.2	67.1	108.4	146.0	84.7	-	98.9	71.8	94.0	65.6	172.7	-
20	93.3	68.4	106.5	143.9	88.3	-	106.1	70.4	94.0	70.0	176.7	-
21	86.8	69.4	104.8	143.3	92.7	-	109.1	70.5	94.6	74.6	180.6	-
22	79.7	74.9	97.2	142.7	96.8	-	109.7	71.4	93.7	83.6	181.7	-
23	73.6	81.7	88.3	143.6	104.5	-	109.9	71.7	93.1	92.4	182.8	-
24	70.5	81.8	81.0	148.8	108.0	-	110.3	72.3	92.5	101.6	183.8	-
25	75.5	87.6	75.7	139.4	111.5	-	111.5	74.0	90.6	110.4	182.2	-
26	69.8	90.6	81.8	142.7	116.0	-	111.5	75.3	89.5	120.1	177.7	-
27	65.1	93.1	81.8	142.6	127.5	-	111.4	76.5	88.4	130.1	171.5	-
28	62.8	94.3	84.9	139.8	137.2	-	111.4	77.9	87.0	139.3	167.6	-
29	63.2	95.0	84.8	135.3	147.6	-	111.5	86.0	79.6	147.5	161.6	-
30	63.6	95.4	86.9	113.8	158.7	-	110.8	86.5	79.1	154.7	157.1	-
31	64.1	-	102.6	102.6	-	-	110.8	-	78.4	160.9	-	-

Table G-2B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	65.6	92.7	77.8	92.5	192.4	173.6	104.3	140.8	113.5	159.9	106.0	122.4	66.4	102.1	106.0	83.3	353.4	180.8
2	65.5	92.9	78.7	93.4	200.3	-	104.2	142.4	133.3	140.6	114.6	-	66.4	102.0	106.4	86.8	333.8	-
3	65.3	92.9	80.6	92.7	210.6	-	103.0	142.7	135.2	129.0	122.8	-	66.3	100.7	95.3	91.2	318.1	-
4	65.1	93.0	82.1	92.2	213.0	-	114.7	142.8	147.5	119.5	132.2	-	75.2	106.4	89.0	92.8	322.7	-
5	64.6	93.1	82.8	92.8	210.6	-	113.4	143.0	159.3	112.6	146.0	-	75.9	113.1	86.5	90.9	376.5	-
6	64.2	93.1	83.6	93.1	230.9	-	112.5	143.4	168.9	107.8	160.5	-	75.9	116.9	88.1	91.1	402.9	-
7	61.1	92.6	84.5	94.8	220.0	-	111.6	140.3	176.1	107.7	174.1	-	76.1	118.4	87.6	93.0	429.1	-
8	58.4	91.6	85.5	101.3	204.8	-	113.6	140.9	176.2	98.0	185.8	-	76.8	117.8	88.1	95.1	463.9	-
9	58.9	91.4	85.9	111.0	185.9	-	112.9	141.1	194.2	90.0	193.5	-	77.1	117.8	88.6	96.2	460.1	-
10	59.2	91.4	85.6	126.3	169.4	-	112.7	141.4	212.1	83.4	194.6	-	77.0	119.0	88.0	98.2	414.2	-
11	59.4	91.2	85.9	138.3	155.8	-	112.5	141.6	229.3	78.6	193.4	-	77.0	121.7	93.3	110.1	404.8	-
12	59.6	91.1	86.5	148.0	143.8	-	112.2	141.9	244.5	75.6	192.2	-	76.8	122.0	99.8	118.5	396.6	-
13	59.7	78.2	87.9	156.5	133.9	-	112.0	129.3	255.9	74.2	191.0	-	76.8	122.7	101.1	125.8	390.3	-
14	69.6	76.8	89.5	164.8	126.2	-	122.5	127.6	241.7	74.1	189.4	-	76.4	123.6	102.4	134.3	359.0	-
15	71.4	77.3	90.4	171.6	125.4	-	133.9	124.2	230.3	74.1	196.1	-	76.4	135.6	94.6	150.6	322.3	-
16	71.7	77.5	91.1	176.6	133.6	-	145.3	123.1	221.0	71.5	203.8	-	76.4	146.4	88.4	165.7	292.0	-
17	72.0	66.4	91.6	177.8	145.4	-	153.3	116.4	230.2	63.5	204.4	-	76.5	154.3	84.2	180.7	267.4	-
18	85.0	57.7	90.7	177.0	157.7	-	152.7	108.1	260.3	61.4	203.4	-	76.9	155.1	84.1	195.5	245.8	-
19	87.3	56.5	91.0	176.4	168.1	-	163.9	101.8	268.8	58.8	202.8	-	77.2	154.8	84.4	210.7	217.8	-
20	89.9	56.4	91.0	176.5	177.6	-	174.2	94.4	280.3	56.0	202.4	-	78.1	154.8	84.6	235.9	195.7	-
21	90.6	56.7	90.7	178.1	190.2	-	181.3	86.9	278.4	55.8	202.3	-	78.3	155.3	84.4	261.2	176.6	-
22	90.8	57.0	90.4	176.7	204.4	-	188.0	85.8	259.5	55.7	202.0	-	78.3	155.4	84.1	287.0	160.5	-
23	91.2	56.9	90.6	170.8	215.9	-	185.0	81.6	257.0	55.6	192.0	-	78.5	149.1	84.0	312.8	148.8	-
24	92.1	56.8	93.0	164.8	226.0	-	177.4	79.2	255.4	58.4	168.1	-	71.7	138.2	83.4	335.2	139.2	-
25	93.0	57.8	94.0	162.9	235.4	-	165.8	79.7	250.8	66.5	152.6	-	71.2	130.5	81.6	355.8	132.7	-
26	93.5	58.7	93.3	146.1	243.9	-	153.9	81.1	247.1	73.2	141.0	-	77.1	125.3	80.2	371.9	132.1	-
27	93.6	67.4	90.6	143.9	244.3	-	143.9	82.2	244.0	79.8	138.8	-	81.5	124.7	79.0	374.9	134.1	-
28	93.5	74.2	83.9	144.4	221.7	-	139.4	84.3	238.1	79.7	133.7	-	83.2	114.4	77.8	362.5	144.8	-
29	94.0	75.6	86.3	157.6	202.8	-	139.5	84.8	254.5	85.6	131.5	-	92.3	108.9	78.6	357.3	166.0	-
30	93.9	77.3	89.9	171.5	186.7	-	140.1	97.9	219.4	91.2	129.1	-	98.3	105.8	78.8	342.8	183.6	-
31	92.8	-	91.0	183.8	-	-	140.6	-	188.5	97.3	-	-	102.3	-	81.8	334.7	-	-

Table G-2B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values Downstream of Federal Dam (RT5) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	103.6	70.8	116.3	131.3	101.7	168.1	208.7	139.6	108.0	82.7	162.5	182.0
2	96.3	70.9	117.3	143.4	94.5	-	203.6	140.1	108.5	82.3	162.7	-
3	91.1	70.6	118.8	153.8	89.6	-	180.4	131.4	109.0	81.9	174.0	-
4	88.7	70.8	119.2	161.1	87.1	-	177.1	132.0	109.4	81.3	173.6	-
5	88.4	71.0	119.9	163.9	81.3	-	165.5	133.0	109.8	80.4	171.1	-
6	88.2	70.8	121.1	161.6	77.8	-	152.7	150.7	98.4	77.1	167.7	-
7	88.5	69.9	131.7	162.2	74.8	-	136.5	140.6	104.2	72.8	165.7	-
8	89.8	69.4	137.5	172.0	74.8	-	131.8	140.4	112.9	70.1	164.4	-
9	90.5	69.1	137.3	177.3	75.9	-	119.7	140.7	118.5	70.2	163.4	-
10	91.1	69.1	137.7	177.1	75.9	-	109.3	125.2	119.2	70.3	162.1	-
11	92.1	69.0	138.7	174.8	76.4	-	111.3	129.2	103.1	70.2	161.9	-
12	92.6	68.9	141.0	168.8	78.6	-	112.9	125.8	101.1	69.8	163.9	-
13	93.0	69.0	146.0	165.4	80.0	-	108.2	125.9	102.4	64.6	167.6	-
14	93.2	69.4	148.4	163.6	80.0	-	98.8	114.8	110.8	59.5	170.9	-
15	93.4	69.9	149.4	164.8	78.3	-	100.4	108.4	120.7	56.9	172.6	-
16	93.8	69.8	150.7	169.6	80.9	-	99.8	99.9	127.3	56.9	186.0	-
17	93.7	69.5	152.4	168.5	81.6	-	102.9	91.1	129.1	57.8	186.7	-
18	94.0	80.0	134.1	167.1	82.5	-	107.5	83.9	129.5	61.2	195.2	-
19	95.1	89.1	121.0	166.2	85.9	-	112.1	78.8	129.8	65.6	199.4	-
20	94.1	90.7	119.0	164.4	89.6	-	120.2	77.1	129.8	70.1	204.1	-
21	85.5	92.6	116.5	163.9	94.1	-	123.8	83.1	121.2	74.9	210.5	-
22	78.4	100.1	107.5	163.6	98.2	-	124.1	86.8	116.3	83.7	212.1	-
23	72.3	100.8	97.5	165.1	105.0	-	124.3	87.1	115.4	92.5	213.4	-
24	74.9	98.1	89.2	171.3	108.5	-	124.8	80.9	114.5	101.7	214.5	-
25	82.4	105.8	82.4	156.8	112.0	-	136.7	78.8	112.3	110.7	212.7	-
26	77.4	110.0	90.9	159.3	116.6	-	143.6	80.1	110.9	120.4	207.5	-
27	72.1	113.1	91.7	159.4	126.7	-	140.1	81.5	109.5	130.4	200.4	-
28	69.4	114.7	94.7	157.3	136.5	-	139.8	93.1	96.1	139.6	195.8	-
29	69.7	115.6	95.1	143.0	146.3	-	139.9	106.6	84.3	147.8	188.8	-
30	70.2	116.0	103.7	123.9	157.2	-	139.9	107.3	83.7	154.7	183.5	-
31	70.6	-	119.0	111.6	-	-	139.8	-	83.2	160.5	-	-

Table G-3A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	55.1	64.8	56.2	63.9	130.1	155.1	87.8	138.6	75.7	119.8	87.5	99.5	50.3	83.4	73.4	59.7	296.0	166.9
2	55.0	65.4	56.3	64.6	134.4	-	87.4	139.7	85.9	112.3	94.9	-	50.0	84.1	73.2	62.4	281.2	-
3	55.3	64.1	57.9	64.3	143.0	-	87.4	144.8	78.0	103.6	102.2	-	50.0	76.0	72.1	65.8	268.5	-
4	56.1	64.1	59.1	63.6	146.3	-	98.7	145.3	84.1	95.5	109.9	-	56.0	78.5	67.2	68.5	269.6	-
5	55.3	64.0	59.7	64.0	145.8	-	97.6	145.7	90.9	89.7	121.5	-	57.5	83.3	63.6	66.8	329.7	-
6	54.9	63.8	60.2	64.4	166.3	-	96.9	142.4	96.4	85.4	134.5	-	56.7	86.2	65.1	66.7	355.6	-
7	54.2	63.5	60.7	64.8	160.8	-	98.6	136.2	100.9	84.6	147.2	-	56.7	87.5	64.6	67.9	380.3	-
8	52.1	62.6	61.4	69.1	148.6	-	102.6	134.0	101.4	80.1	158.0	-	57.1	87.4	64.6	69.7	416.4	-
9	52.4	62.2	61.7	75.7	141.6	-	104.0	132.4	106.8	73.3	165.9	-	57.1	87.6	64.8	70.2	438.7	-
10	52.5	62.1	61.7	82.9	130.0	-	105.0	131.5	116.9	67.4	168.2	-	56.8	87.9	64.5	73.5	393.6	-
11	52.5	61.9	61.9	91.4	119.7	-	105.7	130.6	127.1	63.0	168.0	-	56.7	90.2	62.8	81.5	386.0	-
12	52.5	61.6	62.1	99.3	110.7	-	106.2	129.2	136.7	60.1	168.1	-	56.6	90.6	68.5	88.8	378.8	-
13	52.5	54.7	62.5	106.3	103.2	-	107.1	116.6	142.0	58.5	167.2	-	56.5	90.5	68.8	95.0	376.4	-
14	58.9	51.4	63.4	111.2	102.3	-	119.7	111.0	139.0	58.3	164.8	-	56.6	91.0	69.5	101.3	346.1	-
15	62.3	51.7	64.9	115.1	100.0	-	132.0	106.9	133.2	58.8	170.3	-	56.5	92.7	69.1	113.8	310.0	-
16	62.4	52.6	65.0	119.1	106.2	-	144.3	106.3	127.0	57.3	178.8	-	56.6	100.3	64.9	126.3	281.0	-
17	62.5	52.2	65.4	121.0	116.0	-	152.9	100.5	131.2	53.1	180.0	-	56.5	106.1	61.3	138.6	257.6	-
18	62.5	44.9	64.4	120.7	126.5	-	151.8	93.2	141.2	51.2	179.7	-	56.2	107.0	60.9	150.9	237.3	-
19	63.5	43.8	64.3	120.8	135.7	-	163.6	87.6	145.8	49.0	179.5	-	56.2	107.0	61.0	163.6	206.2	-
20	65.3	43.6	64.1	121.1	143.9	-	174.1	81.1	152.0	46.4	179.5	-	56.6	107.2	60.9	188.1	185.2	-
21	65.5	43.7	63.7	122.5	154.4	-	182.4	76.1	153.6	46.2	179.3	-	56.6	108.0	60.6	209.7	167.3	-
22	65.4	43.9	63.4	122.7	167.4	-	186.1	75.3	142.2	46.1	179.3	-	56.5	108.7	60.2	232.2	152.8	-
23	65.3	44.2	62.5	119.1	178.1	-	183.2	71.1	141.6	46.0	174.0	-	56.4	106.4	60.0	254.4	141.8	-
24	65.7	44.3	63.5	114.5	187.3	-	175.6	68.6	141.2	47.3	146.5	-	57.8	97.6	60.0	274.5	132.8	-
25	66.0	44.9	64.6	112.3	195.7	-	165.2	68.7	138.7	56.0	132.3	-	56.5	91.0	59.0	293.7	126.2	-
26	66.2	45.5	64.4	107.0	203.8	-	153.3	69.4	137.0	61.9	121.7	-	61.4	86.5	58.0	310.6	125.2	-
27	66.3	46.3	66.5	102.0	208.6	-	143.1	70.2	135.3	67.8	114.6	-	65.4	86.2	57.1	316.1	127.2	-
28	65.9	52.6	61.4	101.9	199.4	-	138.3	72.6	130.4	65.9	108.1	-	66.3	77.4	56.4	307.6	136.7	-
29	64.7	54.2	60.8	106.4	181.9	-	138.3	73.1	143.2	70.8	106.2	-	73.9	73.2	57.0	295.5	153.2	-
30	64.9	54.7	63.0	114.3	167.2	-	138.5	73.3	142.2	75.4	105.1	-	78.9	70.7	58.9	281.9	169.9	-
31	65.0	-	63.8	123.7	-	-	138.8	-	138.1	80.1	-	-	82.6	-	59.2	277.4	-	-

Table G-3A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	101.5	51.5	83.7	84.8	79.4	130.3	205.6	109.4	80.0	64.2	132.1	143.3
2	94.2	53.2	81.0	93.4	73.3	-	204.7	110.7	79.6	63.8	132.9	-
3	90.1	52.5	81.3	100.8	69.1	-	177.0	110.5	80.0	63.5	135.9	-
4	88.3	52.4	81.8	106.3	66.7	-	162.4	110.6	80.1	63.2	137.0	-
5	87.8	52.2	82.3	109.0	65.3	-	151.8	110.6	79.8	62.4	136.1	-
6	87.5	51.9	83.1	110.3	62.5	-	141.2	128.1	69.5	60.2	133.8	-
7	87.0	51.0	84.0	107.9	59.2	-	127.7	115.2	72.7	56.6	132.7	-
8	87.7	50.4	90.0	114.7	58.9	-	127.7	114.8	78.8	54.2	132.6	-
9	88.0	50.0	90.5	119.3	59.6	-	116.1	114.4	82.9	54.0	133.0	-
10	88.0	49.8	91.0	120.0	59.7	-	106.3	108.5	83.1	53.8	133.1	-
11	87.4	49.5	91.7	120.2	59.5	-	102.3	116.8	70.7	53.6	133.2	-
12	86.4	49.3	92.3	116.5	61.2	-	100.8	112.8	69.1	53.1	135.1	-
13	86.1	49.2	95.7	113.8	62.3	-	96.9	112.6	69.7	47.3	138.4	-
14	85.8	49.1	98.1	111.4	62.3	-	88.3	97.2	77.7	46.7	140.2	-
15	85.5	49.3	100.2	112.4	61.1	-	94.5	91.7	78.6	45.0	142.0	-
16	85.6	49.3	100.2	116.4	62.9	-	93.8	84.3	82.8	44.9	154.8	-
17	87.4	48.7	101.0	116.2	63.6	-	96.5	76.4	84.1	44.7	156.0	-
18	87.5	48.6	103.1	115.5	63.8	-	100.7	70.0	84.5	47.1	156.7	-
19	85.8	55.1	91.5	115.3	66.4	-	104.8	65.4	84.7	50.7	160.6	-
20	82.4	56.7	89.3	114.3	69.1	-	111.9	63.6	84.7	54.2	165.0	-
21	75.0	57.5	88.0	114.6	72.5	-	114.9	64.0	84.1	57.8	163.4	-
22	68.3	63.1	79.7	114.9	76.1	-	113.6	66.7	80.5	66.6	164.7	-
23	62.4	69.6	71.5	115.6	83.1	-	113.7	66.6	79.5	74.0	165.9	-
24	58.9	67.7	64.8	119.9	86.2	-	113.7	66.4	79.2	81.9	167.0	-
25	63.7	72.9	59.2	112.0	89.2	-	110.8	67.3	77.6	89.6	166.0	-
26	60.1	76.3	63.6	111.8	92.9	-	110.4	67.9	76.5	98.0	162.5	-
27	55.4	78.9	64.8	112.8	99.6	-	109.6	68.3	75.5	106.8	156.1	-
28	52.7	80.8	66.5	111.9	105.5	-	109.4	68.8	74.4	115.3	153.2	-
29	52.1	82.0	67.4	113.2	112.0	-	109.3	79.4	63.8	120.4	148.3	-
30	51.8	82.5	67.1	98.1	121.2	-	109.8	79.6	64.4	124.1	144.2	-
31	51.5	-	76.9	87.6	-	-	109.8	-	65.0	129.8	-	-

Table G-3B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	56.5	80.9	63.9	72.2	156.4	154.5	91.6	145.6	99.6	144.5	85.6	108.0	59.4	89.8	90.8	62.3	295.2	169.0
2	56.6	80.6	65.0	73.0	161.3	-	91.3	145.3	118.4	126.6	92.8	-	59.2	89.5	91.5	64.3	284.3	-
3	56.7	80.3	66.7	73.2	169.0	-	91.3	146.0	119.8	112.4	99.9	-	59.1	88.7	82.1	67.3	271.6	-
4	56.6	80.2	68.0	72.8	173.3	-	101.8	147.5	133.6	103.6	107.6	-	66.4	90.7	74.8	69.2	273.9	-
5	56.3	80.3	68.6	72.5	173.0	-	100.8	147.9	144.3	97.2	119.3	-	71.1	95.6	71.7	67.9	322.7	-
6	56.0	80.2	69.1	72.4	193.5	-	99.9	144.9	153.2	92.5	131.5	-	70.3	99.2	72.7	67.3	349.4	-
7	55.3	79.4	69.8	72.9	193.7	-	101.4	137.6	160.2	91.5	143.9	-	69.4	100.8	72.7	68.4	374.7	-
8	52.3	78.9	70.3	77.1	180.1	-	106.3	133.0	161.8	83.9	154.5	-	69.6	100.7	72.6	70.0	408.0	-
9	52.7	78.4	70.6	83.8	166.4	-	109.6	130.9	176.2	76.1	162.2	-	69.9	100.2	72.7	70.8	420.3	-
10	53.0	78.0	70.9	94.1	149.8	-	111.1	130.0	194.6	70.2	164.7	-	69.9	100.6	72.4	75.3	376.3	-
11	53.3	77.8	71.0	105.6	138.2	-	111.9	129.3	211.3	65.6	164.6	-	69.8	103.0	71.2	83.6	368.8	-
12	53.4	77.4	71.5	114.1	127.9	-	112.2	128.3	226.7	62.6	164.4	-	69.6	103.7	77.4	90.5	362.0	-
13	53.6	69.0	71.7	122.0	119.2	-	112.9	117.9	236.2	61.0	163.8	-	69.5	104.0	78.3	96.7	357.8	-
14	60.3	63.8	72.4	129.2	114.0	-	123.4	114.7	226.8	60.6	163.2	-	69.4	104.7	79.1	103.4	330.1	-
15	65.3	64.0	73.0	134.9	111.8	-	135.7	113.3	212.2	60.4	168.5	-	69.2	114.9	72.8	116.9	297.6	-
16	65.5	64.3	73.3	139.1	117.8	-	147.9	112.2	202.8	58.5	175.9	-	69.2	126.3	66.7	129.5	269.5	-
17	65.5	57.2	73.6	139.9	127.7	-	156.5	106.8	208.6	51.9	177.3	-	69.1	134.2	63.0	142.0	246.9	-
18	73.8	48.8	73.8	139.8	138.6	-	157.5	99.1	235.7	50.0	176.9	-	69.3	137.0	62.0	154.3	227.4	-
19	76.9	47.1	73.9	138.4	148.3	-	169.3	92.9	244.3	47.9	176.7	-	69.2	136.8	62.3	166.4	201.2	-
20	79.2	46.8	74.6	137.1	156.8	-	180.3	86.0	254.6	45.5	176.7	-	69.0	136.8	62.5	187.1	180.7	-
21	79.8	47.0	75.2	137.7	166.9	-	188.5	77.9	255.7	44.9	176.2	-	69.0	137.1	62.5	207.9	163.3	-
22	79.7	47.4	75.0	138.1	178.9	-	197.2	76.9	238.9	44.9	176.6	-	69.1	137.2	62.3	229.8	149.0	-
23	79.7	47.9	74.2	135.9	189.2	-	194.1	73.7	233.7	44.7	169.9	-	69.1	133.3	62.1	251.3	138.2	-
24	80.1	47.9	75.1	131.9	198.2	-	186.2	71.0	232.9	46.4	148.1	-	64.2	123.0	62.1	271.2	129.4	-
25	80.8	48.5	76.1	129.2	207.0	-	173.9	70.8	229.4	53.1	134.0	-	61.9	114.8	61.1	289.5	123.0	-
26	81.1	49.3	76.2	121.3	215.9	-	161.5	71.6	226.5	58.6	123.3	-	66.3	109.4	60.1	304.9	121.7	-
27	81.3	53.5	74.5	115.5	218.9	-	150.8	72.5	223.4	64.2	120.1	-	70.7	108.0	59.3	310.4	123.2	-
28	81.1	60.7	68.9	116.0	198.4	-	145.5	74.6	216.6	64.4	117.6	-	72.3	98.8	58.4	303.8	132.8	-
29	80.7	62.9	67.9	127.9	181.4	-	145.1	75.1	230.7	69.0	115.4	-	80.0	93.9	58.8	297.6	153.0	-
30	81.2	63.4	70.2	138.5	166.6	-	145.4	86.9	198.8	73.8	113.8	-	85.2	90.6	59.5	285.7	169.7	-
31	81.2	-	71.7	149.1	-	-	145.8	-	172.6	78.5	-	-	89.0	-	61.3	278.9	-	-

Table G-3B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Route 378 Bridge (RT6) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	102.4	59.0	105.1	101.0	83.2	127.5	213.5	138.6	94.5	69.6	129.8	158.1
2	95.1	59.1	104.5	110.3	77.0	-	211.6	138.6	94.7	69.3	130.3	-
3	90.8	59.7	104.1	118.3	72.8	-	188.3	128.9	94.9	69.1	136.8	-
4	88.1	60.0	104.1	124.4	70.3	-	185.9	128.7	95.1	68.7	138.4	-
5	87.7	60.4	103.9	127.4	66.8	-	174.2	128.9	95.3	67.9	137.6	-
6	87.6	60.7	104.0	127.8	63.0	-	161.6	146.3	84.6	65.3	135.6	-
7	87.4	60.3	108.3	125.3	60.0	-	144.4	137.9	87.7	61.3	134.7	-
8	88.0	59.8	116.7	130.6	59.4	-	139.6	137.5	94.7	58.6	134.2	-
9	88.6	59.4	118.3	136.0	60.0	-	127.0	136.7	100.0	58.1	134.2	-
10	89.0	59.5	117.5	137.1	60.3	-	116.4	123.0	101.0	58.1	134.1	-
11	88.7	60.0	116.8	136.9	60.3	-	117.3	125.5	86.4	57.9	134.3	-
12	88.7	60.0	117.1	133.0	61.8	-	120.5	125.0	81.8	57.3	136.3	-
13	88.8	60.1	120.3	129.9	63.1	-	115.7	124.4	82.5	52.9	139.9	-
14	88.7	60.2	122.8	128.5	63.5	-	106.1	113.2	89.0	48.8	143.5	-
15	88.7	60.5	123.6	128.6	61.9	-	107.6	106.9	96.2	45.1	145.3	-
16	88.7	60.6	124.2	132.3	63.1	-	106.8	98.1	104.4	44.7	155.7	-
17	88.9	60.5	125.4	133.2	64.3	-	109.5	88.9	106.5	45.3	157.2	-
18	88.4	68.2	112.0	132.2	64.2	-	114.2	81.3	107.0	47.6	164.1	-
19	87.2	77.8	98.6	132.0	65.7	-	118.9	75.8	107.3	51.0	168.3	-
20	84.2	80.6	94.9	131.2	68.1	-	126.8	73.5	107.4	54.5	172.7	-
21	77.6	81.3	94.0	129.6	71.1	-	130.5	77.1	102.2	58.0	179.5	-
22	71.3	87.5	88.1	127.6	74.4	-	129.9	83.0	95.1	64.4	181.3	-
23	65.4	92.1	80.9	126.7	79.9	-	130.0	82.9	94.6	71.5	182.7	-
24	64.4	90.1	74.5	130.3	83.0	-	129.4	78.4	94.3	78.9	184.0	-
25	69.5	94.4	68.9	123.8	85.9	-	133.5	73.3	92.7	86.3	182.9	-
26	66.9	98.8	72.4	122.1	89.5	-	143.3	73.9	91.5	94.1	179.1	-
27	61.9	101.5	75.0	123.0	95.8	-	140.3	74.3	90.5	102.3	172.9	-
28	59.2	103.3	76.7	122.1	103.6	-	138.9	80.4	83.3	110.1	169.3	-
29	58.8	104.5	77.7	117.9	111.1	-	138.7	93.0	71.6	116.9	163.9	-
30	58.8	104.9	79.3	102.1	119.3	-	139.0	94.3	70.3	122.7	159.5	-
31	58.9	-	91.0	91.5	-	-	139.0	-	69.9	127.6	-	-

Table G-4A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	208.1	291.4	241.8	256.4	331.5	293.6	228.9	272.2	216.3	227.0	221.8	226.6	224.7	276.0	228.2	236.8	417.9	330.3
2	207.7	288.9	243.8	260.4	332.2	-	227.7	265.3	250.5	221.7	229.8	-	224.0	276.1	232.1	237.8	415.6	-
3	210.1	288.3	246.6	262.3	337.1	-	233.9	253.7	246.0	211.3	236.4	-	224.6	252.7	234.4	240.4	408.8	-
4	212.1	288.7	247.8	263.2	339.2	-	254.8	255.3	259.7	203.9	241.6	-	244.7	251.0	224.7	241.1	414.1	-
5	213.0	291.1	247.7	261.7	336.7	-	251.5	255.3	270.2	199.6	254.3	-	259.9	252.9	222.6	240.5	474.0	-
6	214.1	293.0	248.5	261.8	335.9	-	251.0	251.7	275.9	196.9	265.1	-	258.0	255.2	223.1	238.9	495.8	-
7	209.5	290.3	250.4	266.9	348.0	-	253.6	245.3	279.1	195.5	273.5	-	255.1	257.4	224.7	238.8	513.5	-
8	205.6	292.6	248.8	268.5	339.7	-	260.1	241.8	283.7	198.9	281.9	-	254.5	260.7	221.7	239.4	529.8	-
9	209.1	293.2	248.5	271.2	331.5	-	263.9	243.7	280.8	190.5	284.7	-	256.9	256.2	222.9	241.9	551.0	-
10	212.2	291.7	252.5	278.2	307.3	-	262.8	245.4	292.0	184.9	285.7	-	261.2	255.3	223.3	242.3	488.3	-
11	215.6	290.1	253.1	300.4	298.0	-	261.8	247.9	299.0	180.2	286.3	-	262.2	255.1	224.2	270.7	480.5	-
12	217.6	289.5	252.5	308.4	290.5	-	260.3	248.6	305.0	177.2	285.7	-	261.0	255.7	233.3	277.8	482.6	-
13	218.0	274.0	253.6	315.1	285.2	-	258.6	245.4	302.7	176.3	282.7	-	260.4	249.9	238.0	286.5	483.3	-
14	230.0	260.9	252.6	320.2	287.8	-	266.0	241.2	293.5	177.4	280.0	-	264.6	250.1	238.5	292.8	461.6	-
15	243.8	259.1	252.9	323.2	286.9	-	278.2	238.0	282.0	179.1	285.5	-	263.8	250.5	240.0	310.2	429.3	-
16	248.1	260.1	253.2	324.2	293.2	-	291.0	235.6	275.2	180.5	289.8	-	262.3	265.1	227.6	328.8	403.9	-
17	250.7	262.0	253.1	320.9	303.0	-	297.9	231.2	273.9	165.7	286.5	-	261.9	271.3	223.6	345.2	385.6	-
18	246.6	234.6	257.3	319.0	313.3	-	294.6	222.2	299.2	166.4	284.7	-	261.0	274.8	221.9	357.1	371.1	-
19	254.8	228.0	258.9	317.8	319.4	-	303.9	216.2	301.8	166.2	284.1	-	259.7	274.0	222.4	365.9	338.0	-
20	264.5	227.9	260.4	315.2	326.9	-	311.3	209.3	304.6	163.4	283.3	-	256.6	272.1	224.5	395.3	317.1	-
21	268.0	229.7	262.5	314.4	330.9	-	322.1	194.7	312.0	163.8	280.8	-	256.2	269.4	226.3	414.7	298.5	-
22	269.0	230.6	263.4	314.2	336.7	-	330.9	193.1	299.8	165.8	280.7	-	256.3	266.2	228.3	432.5	291.6	-
23	270.0	231.3	263.4	314.5	339.0	-	326.2	189.0	297.3	166.1	281.2	-	257.0	261.7	229.5	443.4	282.5	-
24	271.8	231.4	263.2	315.9	340.4	-	314.7	185.7	299.3	167.3	267.2	-	259.9	255.6	231.9	452.7	276.2	-
25	274.6	231.4	262.8	314.9	341.5	-	301.3	187.3	297.3	175.9	253.0	-	250.7	249.1	231.3	459.9	270.7	-
26	276.9	231.9	262.9	303.3	345.6	-	286.1	191.0	295.5	184.7	240.9	-	253.6	246.2	229.3	464.2	268.8	-
27	277.7	230.6	270.2	295.0	348.2	-	274.9	194.5	294.0	193.0	234.2	-	258.5	245.7	228.2	463.8	268.9	-
28	281.0	242.5	260.6	292.2	337.5	-	271.3	198.8	287.5	194.2	235.6	-	257.3	234.6	226.5	454.5	275.2	-
29	277.7	245.6	252.1	302.3	319.6	-	272.4	198.2	294.4	200.1	233.5	-	264.0	230.1	227.7	436.5	302.5	-
30	283.0	241.5	250.8	318.1	304.0	-	273.1	196.0	295.0	207.3	234.3	-	268.0	227.9	233.8	418.6	323.6	-
31	290.2	-	251.6	326.7	-	-	272.4	-	264.6	211.7	-	-	271.5	-	237.5	410.8	-	-

Table G-4A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	242.7	241.3	306.5	286.6	226.9	291.2	324.1	217.4	227.1	207.4	278.6	299.1
2	233.5	243.9	303.5	300.3	221.2	-	323.6	216.7	226.8	209.1	277.0	-
3	229.2	248.7	298.2	309.0	218.6	-	298.2	219.2	226.9	210.2	281.2	-
4	230.0	252.5	296.3	313.0	219.2	-	281.7	221.7	226.5	210.2	283.0	-
5	232.5	255.9	294.5	313.5	218.0	-	271.7	219.1	228.7	210.7	284.0	-
6	234.9	259.2	292.6	316.9	214.8	-	268.7	235.5	214.6	210.4	282.4	-
7	236.4	260.7	291.2	315.3	214.2	-	250.0	225.0	216.5	204.3	283.6	-
8	240.2	261.2	297.1	311.8	213.8	-	245.0	225.3	226.0	201.6	283.0	-
9	243.7	262.3	300.8	311.9	214.4	-	230.3	227.2	231.4	201.9	282.1	-
10	246.9	262.9	300.5	313.1	215.9	-	217.2	223.3	233.4	203.0	282.3	-
11	244.4	263.8	297.4	311.2	219.5	-	210.3	224.9	221.7	202.7	282.0	-
12	243.7	263.1	296.5	311.0	220.3	-	208.8	223.8	219.2	203.0	282.2	-
13	246.4	263.5	294.2	309.9	221.3	-	202.3	225.0	219.1	195.5	281.4	-
14	248.3	264.0	292.8	308.8	219.9	-	191.8	213.5	228.2	191.3	281.8	-
15	248.9	263.9	292.6	309.7	220.5	-	193.8	207.1	235.6	182.3	281.1	-
16	251.0	265.6	291.2	308.5	220.1	-	192.7	198.4	247.5	182.7	291.7	-
17	253.9	265.9	291.0	309.2	222.9	-	197.7	187.1	249.3	186.5	295.3	-
18	254.5	265.9	289.4	305.8	222.8	-	205.5	179.0	248.8	188.8	298.4	-
19	254.4	287.1	268.0	304.7	221.0	-	212.8	174.0	247.8	194.9	305.5	-
20	251.4	295.2	259.2	306.2	222.1	-	223.0	174.2	247.4	200.4	312.8	-
21	243.7	294.4	258.6	303.5	224.4	-	226.3	180.9	241.4	204.5	317.7	-
22	237.6	303.1	253.1	300.0	227.2	-	220.8	191.2	232.1	214.8	320.9	-
23	229.3	314.8	244.7	297.3	236.7	-	220.7	194.2	234.5	225.9	323.7	-
24	226.9	309.5	238.2	295.3	241.8	-	220.3	197.2	234.8	234.8	324.9	-
25	235.7	312.1	232.0	284.2	247.4	-	213.5	193.4	236.5	243.6	324.6	-
26	236.8	313.2	240.2	275.4	255.4	-	220.2	197.0	236.7	251.6	321.3	-
27	232.6	311.6	247.4	275.3	262.7	-	218.4	201.1	235.0	261.3	309.6	-
28	234.0	310.0	246.8	275.6	270.1	-	216.5	203.0	232.2	271.0	306.3	-
29	238.2	308.3	247.7	274.7	276.5	-	217.3	219.2	211.3	276.1	303.4	-
30	239.6	307.2	248.3	252.3	284.4	-	221.0	225.8	205.5	278.2	300.8	-
31	239.8	-	270.0	237.8	-	-	219.9	-	206.7	280.3	-	-

Table G-4B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	223.7	317.4	266.8	262.0	357.6	316.0	254.3	296.6	259.0	275.8	257.9	245.3	238.2	284.3	259.0	255.8	440.8	350.5
2	223.7	315.5	270.2	264.3	360.6	-	253.9	289.9	292.5	262.0	267.3	-	238.3	284.5	262.1	256.2	446.8	-
3	225.9	314.9	273.8	265.4	364.6	-	260.4	286.5	290.5	240.8	275.0	-	239.1	279.9	254.4	257.9	440.4	-
4	227.3	314.7	274.4	265.8	367.8	-	278.1	293.9	307.6	232.6	282.7	-	251.4	282.7	241.2	256.6	446.0	-
5	228.2	315.5	274.4	264.8	367.3	-	277.8	294.0	319.3	227.7	297.2	-	265.5	281.9	240.8	256.5	504.5	-
6	228.8	314.7	274.9	264.4	371.3	-	275.8	290.2	325.9	224.9	308.8	-	265.3	282.9	240.4	255.4	531.0	-
7	226.5	312.2	275.1	268.2	386.1	-	278.3	280.9	330.4	224.7	316.6	-	262.0	284.9	241.8	255.7	551.5	-
8	223.5	314.7	272.9	271.6	377.5	-	286.2	275.1	334.6	225.9	326.1	-	261.1	286.1	240.0	256.5	570.9	-
9	225.7	315.7	272.6	274.1	365.7	-	292.3	274.1	338.2	213.1	330.2	-	263.2	282.1	240.3	259.1	587.9	-
10	227.9	314.1	277.5	283.2	342.0	-	293.0	274.4	358.8	206.4	329.1	-	267.1	281.7	240.4	261.8	531.6	-
11	230.7	312.9	278.2	303.3	332.9	-	292.2	276.4	370.0	202.1	327.2	-	267.2	282.1	242.1	287.0	515.1	-
12	232.9	312.5	278.1	310.8	326.1	-	290.0	278.9	377.0	199.8	324.6	-	266.1	283.0	252.4	296.6	510.9	-
13	234.4	300.5	278.2	316.7	320.1	-	287.8	274.0	373.6	200.3	321.4	-	265.5	280.2	258.0	304.1	506.8	-
14	246.5	288.2	277.1	321.4	321.6	-	298.3	269.4	362.7	202.6	318.7	-	268.2	280.2	259.3	310.9	476.9	-
15	260.8	285.2	277.9	324.4	321.0	-	311.1	267.2	349.4	204.4	323.9	-	268.2	282.6	257.7	332.7	448.0	-
16	266.1	286.2	278.2	324.1	327.3	-	322.5	265.2	343.0	203.4	327.3	-	268.4	296.0	246.4	350.9	424.3	-
17	267.0	283.3	279.5	321.5	336.5	-	327.9	261.8	344.8	189.5	324.3	-	268.4	301.7	242.3	366.7	406.2	-
18	268.1	256.0	282.9	320.9	347.0	-	324.6	252.8	372.4	189.8	322.5	-	267.8	304.3	240.6	379.8	391.7	-
19	278.2	241.5	283.5	320.5	354.4	-	331.3	247.0	376.3	189.3	321.7	-	266.1	303.6	240.3	390.1	363.7	-
20	288.9	240.9	284.0	319.7	363.0	-	337.4	239.6	378.5	186.8	321.1	-	262.7	302.3	241.0	413.9	341.9	-
21	292.5	241.3	285.0	318.6	369.0	-	344.9	219.4	381.1	186.6	316.6	-	262.2	301.6	242.1	432.7	324.9	-
22	293.8	241.3	286.0	318.2	376.0	-	362.3	216.9	369.5	189.6	314.2	-	262.3	300.0	244.1	452.4	315.4	-
23	294.6	241.7	285.9	318.5	379.6	-	354.7	214.0	364.3	190.5	311.3	-	262.7	295.0	244.9	466.7	303.7	-
24	295.9	241.1	285.8	319.8	381.2	-	342.8	211.0	365.6	192.3	286.4	-	262.7	287.9	246.4	477.7	295.5	-
25	297.7	240.7	285.6	320.1	384.1	-	325.1	212.1	364.7	209.3	270.8	-	255.5	280.2	245.8	486.4	289.0	-
26	299.1	240.7	285.8	311.2	388.8	-	309.5	215.3	363.2	221.3	259.7	-	256.0	275.6	244.2	490.1	288.1	-
27	299.8	253.1	277.1	303.8	391.4	-	297.9	218.6	360.7	231.1	256.3	-	260.7	274.2	243.8	485.7	288.7	-
28	302.6	267.7	267.8	301.5	364.5	-	293.4	224.4	352.5	232.0	256.9	-	260.8	263.1	243.9	471.1	297.2	-
29	300.3	271.8	260.2	324.2	341.5	-	293.4	224.7	361.4	236.3	253.0	-	270.2	259.1	247.7	452.3	327.3	-
30	306.4	267.3	259.1	344.7	326.5	-	295.3	236.3	346.0	243.2	252.2	-	276.4	257.6	254.4	436.3	347.5	-
31	315.2	-	259.8	353.3	-	-	296.3	-	313.4	248.1	-	-	280.1	-	256.4	429.2	-	-

Table G-4B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at I-90 Bridge (RT7) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	249.6	256.1	320.6	305.9	247.1	305.9	344.0	264.0	288.2	232.1	304.2	332.2
2	242.0	257.9	315.3	319.3	240.5	-	342.9	264.4	288.4	232.5	301.6	-
3	241.2	261.3	310.3	328.7	237.7	-	320.1	258.4	288.2	233.7	304.7	-
4	242.7	263.5	308.2	333.4	237.7	-	315.7	256.0	288.6	233.9	309.5	-
5	245.2	265.0	307.1	334.9	235.6	-	311.5	255.5	291.3	234.1	310.5	-
6	247.7	266.6	306.1	334.5	231.6	-	304.6	274.7	273.3	231.5	310.6	-
7	249.6	267.9	309.2	333.6	230.8	-	283.5	276.0	266.7	225.3	311.1	-
8	251.9	268.3	316.0	328.6	230.0	-	276.3	276.8	274.6	222.0	309.3	-
9	254.3	268.6	322.3	329.5	230.5	-	261.8	276.5	280.4	222.8	307.6	-
10	256.5	269.1	322.2	331.3	232.6	-	250.6	270.0	282.1	224.3	306.4	-
11	253.9	269.9	319.1	329.5	235.8	-	243.9	267.4	258.7	225.6	305.5	-
12	254.8	270.8	317.9	329.3	237.0	-	252.0	280.1	242.1	225.1	305.4	-
13	257.4	272.3	315.4	328.3	238.3	-	243.8	280.7	245.5	217.6	305.1	-
14	260.3	272.9	314.7	326.9	237.4	-	231.0	265.4	257.5	211.4	305.6	-
15	262.3	273.9	313.4	327.5	237.5	-	234.0	262.7	264.0	203.8	304.7	-
16	264.8	275.1	312.1	327.2	237.6	-	233.0	254.5	273.1	206.1	311.7	-
17	267.1	275.4	311.7	327.5	239.4	-	237.9	242.6	274.2	210.3	313.7	-
18	268.0	278.8	306.6	326.0	238.0	-	247.3	232.8	273.8	213.1	321.1	-
19	267.0	296.1	287.9	328.1	234.9	-	256.2	227.0	273.3	219.7	332.7	-
20	263.2	307.5	275.9	333.0	236.4	-	266.8	226.9	273.0	224.8	339.2	-
21	255.1	309.0	272.9	331.7	238.1	-	270.8	234.8	267.3	228.9	351.2	-
22	248.1	317.1	265.8	329.7	240.1	-	267.5	246.1	259.9	238.3	356.6	-
23	240.0	326.6	256.6	328.4	251.6	-	267.4	251.1	262.0	250.2	359.5	-
24	238.2	321.6	248.5	326.4	259.2	-	265.0	253.4	261.9	260.6	361.2	-
25	248.8	322.5	241.4	312.3	264.7	-	258.4	241.9	263.2	271.3	360.6	-
26	251.4	324.9	250.1	304.0	271.7	-	271.9	245.1	262.7	280.7	356.4	-
27	246.6	324.6	257.8	303.7	279.0	-	266.5	246.6	262.1	288.9	347.1	-
28	245.9	323.6	259.1	303.9	286.5	-	264.6	250.9	260.3	296.3	342.3	-
29	249.7	322.9	260.3	298.8	293.1	-	264.4	273.5	239.8	300.9	337.5	-
30	252.4	321.9	264.2	275.4	299.8	-	266.1	286.6	231.0	303.0	333.8	-
31	254.3	-	286.2	257.8	-	-	265.0	-	231.7	304.6	-	-

Table G-5A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	188.3	287.8	207.8	223.8	262.5	314.0	218.7	280.4	226.2	240.0	228.5	203.8	203.9	266.8	207.6	208.4	535.9	314.1
2	188.8	286.4	209.6	225.8	265.7	-	218.1	274.0	258.9	233.9	236.7	-	203.3	266.4	209.8	208.8	540.5	-
3	190.6	284.7	213.6	226.2	269.5	-	224.0	303.6	223.0	215.8	244.0	-	205.0	228.7	211.0	212.7	531.1	-
4	190.6	283.5	214.7	226.0	272.8	-	237.4	307.2	240.5	207.8	248.3	-	235.7	231.4	196.3	210.9	541.7	-
5	190.6	283.7	214.8	225.5	274.5	-	233.0	307.8	250.8	203.3	262.6	-	249.2	231.7	196.7	211.4	644.4	-
6	191.3	283.5	214.9	224.7	318.6	-	230.6	305.5	256.1	200.0	276.1	-	248.9	232.2	195.7	210.3	678.6	-
7	189.1	279.3	215.2	226.8	334.8	-	231.8	293.7	259.6	197.3	283.3	-	244.7	234.0	196.5	210.2	709.8	-
8	186.1	280.6	213.3	230.4	331.0	-	239.4	284.7	263.8	201.8	293.2	-	243.6	234.3	195.7	210.8	740.0	-
9	188.0	281.5	212.5	231.7	321.9	-	246.2	282.5	262.3	191.1	298.4	-	244.8	230.7	195.3	213.1	770.0	-
10	188.7	280.2	216.5	237.5	301.1	-	247.2	279.8	277.0	184.0	297.8	-	248.6	230.1	194.7	216.2	700.3	-
11	189.7	279.4	217.8	255.9	292.9	-	248.6	278.9	287.2	179.1	293.9	-	249.0	230.0	194.9	237.2	679.3	-
12	190.5	278.1	218.2	263.5	287.7	-	249.0	278.6	294.7	177.1	289.8	-	247.9	230.8	203.2	243.7	676.3	-
13	191.5	236.2	218.8	267.2	283.4	-	248.9	249.7	295.4	178.4	284.1	-	247.2	230.1	209.1	248.2	674.4	-
14	226.6	225.9	219.0	269.1	285.3	-	281.2	245.4	285.5	181.9	282.0	-	248.4	229.3	211.5	250.2	534.7	-
15	240.6	222.0	220.2	270.6	286.0	-	294.4	245.5	271.6	182.9	285.6	-	249.5	229.5	214.7	316.3	505.0	-
16	247.8	221.0	221.2	272.7	292.0	-	306.5	243.6	269.3	186.3	288.4	-	248.6	240.8	204.4	335.0	475.4	-
17	250.8	221.0	220.9	270.3	301.2	-	310.5	241.6	267.3	168.8	283.2	-	250.0	243.6	201.1	352.1	453.5	-
18	247.1	201.0	223.5	269.6	311.1	-	304.3	230.9	298.3	170.4	280.9	-	249.5	247.1	199.1	366.0	435.7	-
19	252.7	188.8	223.6	270.0	318.4	-	309.9	224.5	301.5	170.5	280.3	-	246.7	247.5	198.6	377.7	395.7	-
20	266.2	188.1	223.3	270.2	326.5	-	317.0	218.7	302.7	168.0	280.1	-	241.7	246.9	198.6	412.4	370.9	-
21	269.9	188.1	223.5	269.8	333.3	-	326.9	199.7	308.5	167.9	279.1	-	241.0	246.5	198.4	432.2	349.6	-
22	271.4	187.6	224.2	269.2	340.6	-	344.4	197.5	297.3	169.0	276.4	-	240.8	246.2	200.0	455.1	340.7	-
23	271.8	187.8	224.0	269.0	346.1	-	339.0	195.2	292.1	170.0	274.4	-	240.6	243.0	200.0	472.9	326.2	-
24	271.6	187.5	223.6	269.2	349.2	-	326.1	190.8	293.1	170.0	232.8	-	242.7	237.1	201.1	486.7	315.2	-
25	272.3	187.1	223.2	269.4	351.4	-	313.4	190.9	292.9	199.3	220.6	-	235.9	229.8	201.0	498.4	306.9	-
26	273.2	187.0	222.6	242.2	360.2	-	297.5	192.7	292.5	210.5	212.8	-	235.0	224.6	200.1	505.3	306.3	-
27	273.2	185.1	247.8	233.7	364.1	-	285.7	194.5	290.6	219.8	210.8	-	239.4	222.3	199.4	503.3	309.5	-
28	276.0	202.1	235.3	232.0	357.5	-	280.1	203.1	279.9	209.8	214.4	-	240.1	209.0	199.2	491.5	308.4	-
29	274.8	209.8	227.7	238.9	341.8	-	278.0	203.9	301.7	211.1	209.8	-	254.1	206.2	201.1	475.3	336.1	-
30	276.1	207.8	224.9	251.1	325.4	-	278.2	204.3	307.8	215.7	210.4	-	259.8	205.7	206.6	459.7	359.0	-
31	284.8	-	223.7	260.0	-	-	279.5	-	278.0	218.8	-	-	263.7	-	209.5	449.9	-	-

Table G-5A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	234.4	208.6	253.2	280.8	206.4	253.1	345.4	249.2	264.4	212.9	250.1	286.5
2	228.1	208.1	252.4	294.1	200.4	-	345.7	249.1	265.5	213.3	249.6	-
3	227.7	207.7	248.3	303.4	197.5	-	307.2	250.2	264.9	213.8	249.9	-
4	232.1	208.6	246.8	308.6	196.6	-	293.6	252.5	264.5	213.8	254.9	-
5	234.9	208.9	246.1	310.8	195.7	-	283.3	250.8	266.5	213.9	256.3	-
6	238.5	208.9	245.7	313.0	190.7	-	278.9	297.0	227.8	210.6	257.3	-
7	241.5	208.9	245.3	312.4	189.4	-	255.2	275.1	226.4	204.2	259.4	-
8	244.3	208.5	252.9	307.6	187.9	-	264.6	275.5	234.7	200.1	258.3	-
9	246.0	208.0	259.2	307.9	187.7	-	248.7	275.7	239.5	199.9	257.2	-
10	247.0	207.8	260.9	310.0	188.6	-	237.0	270.6	241.0	201.1	256.0	-
11	242.8	207.4	260.2	310.7	190.3	-	228.5	279.8	217.3	202.3	256.3	-
12	241.4	207.3	259.4	310.6	191.5	-	230.0	288.1	204.8	202.9	257.2	-
13	242.1	207.0	259.5	308.6	192.0	-	223.2	286.3	207.4	180.2	255.7	-
14	244.4	207.0	261.0	306.9	190.7	-	211.0	250.6	238.1	175.4	257.2	-
15	245.8	206.7	262.4	309.5	191.3	-	228.2	245.3	248.7	167.7	258.7	-
16	248.2	207.2	261.8	309.2	191.2	-	225.6	239.2	257.3	167.8	262.9	-
17	250.1	206.3	262.1	310.2	192.6	-	230.4	227.8	258.3	172.6	266.4	-
18	249.0	206.1	261.5	309.1	192.9	-	238.3	217.0	257.3	173.5	265.9	-
19	247.2	219.5	245.9	309.0	189.4	-	246.4	210.4	256.5	179.4	273.5	-
20	240.4	230.0	234.3	316.2	190.2	-	256.7	210.1	256.3	183.5	281.3	-
21	228.0	232.5	230.2	317.0	191.5	-	260.3	215.6	253.3	187.4	299.8	-
22	220.0	239.6	222.2	316.6	192.2	-	254.0	227.1	243.6	193.7	303.9	-
23	211.7	249.6	212.4	317.5	210.0	-	253.6	232.6	245.8	204.4	307.0	-
24	207.6	241.2	203.8	316.3	218.3	-	251.8	234.8	245.2	213.5	309.9	-
25	217.6	242.0	195.8	281.1	222.7	-	241.8	221.8	246.6	222.7	311.0	-
26	218.8	244.7	216.4	270.4	228.3	-	255.2	223.6	245.8	230.4	308.4	-
27	212.9	246.2	224.5	268.3	233.5	-	252.0	224.1	245.2	237.0	302.2	-
28	209.6	247.9	226.8	270.1	238.1	-	248.8	224.9	244.8	243.7	298.7	-
29	208.6	250.1	226.2	271.5	241.8	-	249.7	243.1	225.8	247.6	291.3	-
30	208.4	251.6	225.9	229.8	247.5	-	253.0	259.8	214.9	249.8	288.2	-
31	208.5	-	266.2	216.5	-	-	251.2	-	213.9	250.1	-	-

Table G-5B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	216.6	356.7	242.4	222.6	331.3	298.9	264.7	320.6	302.0	301.5	227.5	214.5	242.2	288.3	263.6	239.0	551.6	347.8
2	216.4	355.3	244.7	223.6	335.4	-	263.8	313.3	353.9	270.9	235.4	-	241.1	289.6	265.6	239.0	565.8	-
3	217.7	353.9	249.6	223.8	339.1	-	269.2	317.2	347.7	248.6	242.0	-	241.2	275.8	246.4	241.1	558.5	-
4	218.6	352.9	251.5	223.4	343.2	-	298.9	324.2	362.7	240.0	248.0	-	273.9	276.5	230.5	239.5	567.5	-
5	219.3	352.9	251.8	222.7	344.8	-	303.7	324.2	376.2	234.3	260.9	-	292.9	274.2	229.8	239.7	667.6	-
6	219.7	351.6	252.2	222.2	382.5	-	301.3	320.2	384.5	230.8	273.0	-	295.9	273.8	228.6	238.5	712.6	-
7	214.6	347.3	252.4	224.1	399.1	-	303.6	307.8	389.1	229.2	279.8	-	292.5	275.2	229.4	238.5	742.9	-
8	207.9	348.0	250.7	227.3	396.4	-	314.1	297.6	394.4	219.4	288.1	-	290.9	276.0	228.8	239.3	773.2	-
9	208.7	348.8	250.2	229.1	352.5	-	323.9	294.8	418.5	206.5	292.6	-	291.8	273.6	227.8	241.2	741.0	-
10	209.8	347.9	253.6	257.1	329.3	-	326.4	292.7	445.1	199.4	293.2	-	295.5	272.7	227.6	238.2	657.6	-
11	211.2	347.0	255.2	276.9	318.3	-	328.2	292.8	459.7	194.3	291.8	-	296.3	272.8	252.7	263.3	622.2	-
12	212.4	345.6	255.4	286.9	311.9	-	328.1	292.8	470.4	191.4	290.1	-	295.4	273.3	267.1	277.9	618.0	-
13	213.3	301.7	255.0	292.7	306.6	-	327.5	276.0	470.2	191.1	287.6	-	295.1	271.5	274.3	284.4	612.9	-
14	245.9	286.9	253.8	297.3	307.3	-	352.1	287.8	429.3	192.5	285.2	-	297.2	270.3	276.4	291.6	534.1	-
15	261.5	280.4	254.3	300.6	308.2	-	369.4	288.8	407.9	194.2	287.9	-	298.4	297.9	251.7	338.0	501.6	-
16	269.1	279.6	254.7	302.1	313.9	-	384.6	284.9	401.2	194.2	291.4	-	298.1	317.4	236.2	358.9	475.3	-
17	271.2	242.4	254.6	299.8	322.1	-	393.0	281.4	401.3	172.9	289.4	-	298.6	324.0	231.6	376.3	455.6	-
18	310.0	212.6	257.2	299.4	331.9	-	364.2	271.3	453.8	171.9	287.1	-	297.9	327.9	229.3	390.6	439.4	-
19	314.3	197.3	257.7	299.6	339.9	-	370.8	264.4	461.9	172.0	286.4	-	296.4	328.4	228.6	402.5	390.6	-
20	325.4	194.5	257.5	299.5	347.3	-	378.1	257.0	463.4	169.9	285.5	-	292.1	327.9	228.5	449.2	365.2	-
21	332.2	194.6	257.4	299.1	354.1	-	386.1	226.6	467.4	169.3	283.1	-	290.8	327.6	228.5	472.4	345.0	-
22	333.9	194.5	258.0	298.5	361.3	-	410.0	223.0	455.3	171.1	279.3	-	290.7	327.4	230.0	495.8	335.9	-
23	334.3	194.7	257.7	298.4	367.6	-	399.7	220.6	446.6	173.1	278.1	-	290.9	324.2	230.4	514.6	323.7	-
24	335.0	195.3	256.2	298.4	371.2	-	385.5	217.4	447.3	173.3	248.6	-	258.0	317.9	230.3	527.4	314.7	-
25	337.0	195.9	254.9	298.5	375.2	-	360.2	218.7	446.3	193.6	233.0	-	245.4	310.3	229.8	537.6	307.8	-
26	338.4	196.1	254.3	272.9	383.1	-	341.8	221.7	445.3	206.8	223.9	-	243.8	304.3	229.1	545.1	306.2	-
27	339.4	218.2	247.7	263.1	385.2	-	327.5	225.4	442.0	215.8	220.9	-	247.7	302.1	227.9	545.1	306.3	-
28	342.1	239.0	233.4	260.8	346.4	-	320.4	234.5	426.2	208.2	224.0	-	248.9	272.5	226.9	535.1	314.2	-
29	340.4	246.5	225.7	291.9	322.4	-	319.1	235.3	453.1	210.1	220.5	-	274.1	266.0	228.5	516.2	354.0	-
30	342.9	244.0	222.7	315.8	308.6	-	320.5	260.3	414.8	215.8	219.7	-	281.2	263.8	234.5	498.8	376.3	-
31	352.5	-	222.1	326.9	-	-	321.2	-	355.5	219.8	-	-	284.9	-	238.8	490.0	-	-

Table G-5B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Dunn Memorial Bridge (RT8) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	246.5	238.6	292.0	359.9	231.0	261.1	386.7	343.4	397.8	228.2	261.8	360.5
2	239.5	237.6	290.7	375.5	224.4	-	385.0	343.3	398.5	228.0	261.2	-
3	238.1	237.9	287.7	386.6	221.2	-	336.3	325.2	398.7	228.1	273.5	-
4	240.5	238.8	286.6	392.9	220.3	-	341.4	319.4	398.6	228.4	279.8	-
5	243.2	238.8	286.2	395.6	198.0	-	339.0	318.9	400.8	228.4	281.6	-
6	245.5	238.7	286.0	386.7	193.3	-	329.9	364.5	353.5	226.2	282.0	-
7	247.3	238.4	326.0	378.2	191.9	-	302.0	363.7	336.8	220.9	282.6	-
8	249.6	238.1	341.7	372.8	190.6	-	301.7	360.0	345.7	217.2	282.1	-
9	251.2	237.8	349.3	372.8	190.6	-	288.3	360.7	351.3	216.8	281.5	-
10	252.5	237.9	351.4	374.5	191.5	-	275.8	327.4	354.3	217.6	281.4	-
11	249.8	237.8	350.6	374.9	193.3	-	285.0	334.7	310.7	218.2	282.0	-
12	248.1	237.7	349.2	374.5	194.4	-	294.9	355.0	285.5	218.0	283.4	-
13	248.8	237.5	348.7	373.3	195.4	-	285.6	353.6	287.7	196.0	283.7	-
14	250.7	237.5	349.0	372.2	195.0	-	271.4	309.0	323.2	182.5	284.9	-
15	251.5	237.4	349.5	373.7	194.9	-	296.3	301.8	347.3	172.8	285.1	-
16	252.4	238.0	348.5	373.8	194.9	-	295.9	292.1	363.5	172.7	304.7	-
17	252.5	237.9	348.8	374.0	195.5	-	300.1	277.3	367.1	176.3	308.8	-
18	251.2	259.6	319.0	373.9	195.5	-	309.5	264.8	366.9	177.8	333.2	-
19	249.0	281.9	293.5	375.0	192.7	-	319.8	256.9	366.9	182.9	349.1	-
20	242.3	295.0	279.9	381.9	192.9	-	331.6	255.4	366.6	186.6	358.1	-
21	228.6	299.9	274.0	383.5	194.0	-	336.8	274.1	344.1	190.1	372.8	-
22	221.0	310.7	263.7	382.9	194.9	-	332.9	290.1	329.3	202.2	381.3	-
23	212.8	305.8	253.4	383.7	214.3	-	332.9	298.0	329.8	211.9	385.5	-
24	219.7	279.9	244.2	383.2	222.3	-	329.8	283.7	328.9	221.0	388.3	-
25	244.5	284.0	231.8	339.9	227.0	-	339.3	271.0	329.5	229.8	388.7	-
26	247.2	286.5	257.4	326.2	233.0	-	353.9	274.0	329.3	237.9	385.7	-
27	242.4	288.0	267.5	323.5	239.3	-	346.4	275.7	328.0	245.3	376.9	-
28	239.5	289.2	269.7	324.2	245.1	-	342.1	333.5	270.8	252.2	371.6	-
29	239.8	290.5	269.2	302.2	250.6	-	343.9	371.4	242.4	256.9	366.6	-
30	239.8	291.3	288.4	259.9	256.0	-	346.3	394.4	229.2	259.7	362.8	-
31	239.2	-	334.6	241.3	-	-	345.1	-	228.2	261.2	-	-

Table G-6A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	219.8	278.0	211.9	197.7	256.8	281.0	235.5	317.3	257.1	277.7	228.1	224.1	214.9	263.1	223.1	215.4	433.3	352.9
2	218.8	277.4	213.4	198.8	260.2	-	233.5	309.1	295.1	269.2	235.5	-	212.4	266.0	223.7	215.6	445.7	-
3	218.9	277.0	218.4	198.3	263.0	-	237.1	311.2	273.1	244.9	240.9	-	211.0	250.4	225.6	218.0	440.6	-
4	219.9	278.1	220.5	198.3	265.5	-	262.8	316.6	291.3	238.0	244.3	-	224.5	252.6	209.9	216.3	446.5	-
5	220.6	277.8	220.6	198.2	266.0	-	266.7	316.2	300.2	233.2	256.5	-	240.8	250.0	210.1	216.5	527.9	-
6	222.0	277.3	220.8	198.4	289.4	-	266.6	314.9	306.3	230.3	268.2	-	244.7	249.0	209.3	215.5	553.9	-
7	220.0	274.2	221.4	200.1	302.0	-	266.6	304.0	309.9	227.7	273.9	-	242.2	249.8	209.8	215.3	574.0	-
8	215.1	274.5	220.5	202.8	304.4	-	274.2	293.7	313.9	231.3	279.2	-	241.4	251.8	208.8	215.8	596.1	-
9	215.3	275.2	220.2	203.5	298.8	-	282.7	292.2	313.6	219.3	282.7	-	241.1	250.1	208.1	217.0	617.3	-
10	216.5	275.5	222.0	206.7	278.2	-	284.3	291.2	332.1	213.4	285.5	-	243.7	250.5	207.5	219.1	547.2	-
11	217.6	276.4	223.0	223.1	266.5	-	285.2	292.2	340.3	208.2	285.9	-	243.7	251.6	206.7	236.2	515.7	-
12	217.6	275.5	222.8	234.3	260.9	-	284.6	291.4	347.1	203.2	286.4	-	242.8	251.1	223.7	250.7	515.7	-
13	217.9	264.3	221.9	239.8	256.5	-	284.7	272.6	352.3	200.2	287.0	-	242.4	248.6	230.2	254.8	516.9	-
14	225.0	245.8	220.7	242.6	256.5	-	305.0	267.6	346.2	199.0	285.6	-	243.4	246.7	233.8	258.7	495.5	-
15	242.3	237.3	221.7	244.8	257.4	-	320.3	267.5	331.4	199.3	288.6	-	245.0	246.8	235.3	273.4	467.0	-
16	250.6	234.8	223.1	245.8	262.1	-	336.1	263.5	327.9	199.1	292.6	-	245.6	263.9	220.6	290.4	444.5	-
17	252.9	235.1	223.2	243.9	268.9	-	345.9	262.5	325.8	181.8	292.3	-	246.6	269.8	216.2	304.0	429.2	-
18	250.1	205.9	225.1	242.6	276.2	-	340.6	254.1	356.6	180.8	290.7	-	247.0	273.2	214.2	314.2	415.5	-
19	252.3	190.7	225.8	243.1	282.0	-	348.0	248.5	361.0	181.2	290.1	-	246.9	274.5	213.9	322.6	369.0	-
20	262.9	187.7	225.7	243.5	287.5	-	353.2	244.7	361.9	179.4	288.9	-	244.0	273.3	214.0	361.2	348.9	-
21	267.2	187.2	225.5	243.0	292.4	-	357.3	220.0	366.0	178.6	288.2	-	243.5	272.5	214.0	376.5	330.1	-
22	268.2	186.8	226.1	242.5	297.0	-	387.8	217.0	357.4	179.3	283.9	-	243.3	272.3	215.6	394.1	323.8	-
23	268.3	186.7	225.7	242.8	301.0	-	382.2	215.8	350.6	181.8	282.8	-	243.2	269.4	215.9	406.6	314.9	-
24	268.5	187.3	223.4	243.0	302.4	-	369.0	212.5	349.2	182.5	251.4	-	245.5	266.6	215.4	415.9	307.7	-
25	269.9	188.7	220.9	242.5	306.7	-	354.5	214.0	347.1	203.4	238.7	-	231.0	262.7	213.5	422.3	302.5	-
26	270.8	189.4	219.3	235.2	317.3	-	339.0	217.0	346.9	213.5	230.5	-	228.6	259.3	212.7	429.0	302.2	-
27	271.3	189.3	222.1	222.8	322.4	-	326.9	220.9	344.3	222.0	225.5	-	230.7	258.0	210.6	434.6	303.0	-
28	272.0	206.8	210.2	219.0	315.7	-	320.4	232.1	326.0	212.6	229.2	-	231.6	235.0	206.6	435.1	305.1	-
29	269.0	214.8	201.8	226.9	299.4	-	319.6	232.7	345.6	212.3	227.5	-	251.8	226.7	205.5	427.4	339.4	-
30	268.0	214.0	197.3	244.0	288.5	-	319.8	232.8	352.2	217.3	228.0	-	257.4	223.8	208.7	414.9	359.9	-
31	273.6	-	196.1	253.0	-	-	317.7	-	318.0	221.1	-	-	260.1	-	214.0	409.2	-	-

Table G-6A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	255.4	203.1	247.4	274.9	195.7	242.7	373.7	301.9	341.1	216.4	254.9	303.8
2	247.0	201.2	249.4	287.2	190.6	-	371.0	298.9	343.1	216.4	255.5	-
3	242.7	200.3	248.6	294.0	188.2	-	331.8	300.1	344.3	215.4	257.0	-
4	244.1	201.6	248.7	297.8	187.7	-	317.3	296.9	344.4	214.9	263.1	-
5	245.6	201.9	248.9	298.7	187.9	-	314.7	295.2	346.2	214.4	264.2	-
6	247.9	202.0	249.0	299.3	184.0	-	313.0	337.0	305.6	211.8	265.6	-
7	248.7	201.7	249.2	290.8	183.7	-	288.0	323.8	295.0	207.8	266.5	-
8	250.0	201.8	263.1	286.9	183.1	-	297.4	322.5	301.0	205.0	267.0	-
9	250.5	202.3	268.3	286.0	182.4	-	283.7	322.8	305.0	204.2	267.6	-
10	250.7	202.3	271.2	286.1	181.7	-	273.1	319.1	308.4	203.5	269.1	-
11	248.1	202.1	272.5	286.4	182.5	-	263.7	332.3	272.0	202.0	270.0	-
12	245.2	200.5	273.8	286.4	183.2	-	272.9	354.4	249.8	201.5	272.6	-
13	244.2	199.2	274.9	284.6	183.9	-	264.7	355.0	248.3	188.7	274.0	-
14	243.0	198.1	278.5	282.5	183.0	-	253.2	313.6	264.6	179.3	275.4	-
15	241.7	197.7	281.5	283.2	181.7	-	275.1	307.8	278.1	169.0	276.3	-
16	240.4	198.4	282.2	284.0	181.9	-	271.3	299.3	290.6	166.4	287.0	-
17	239.3	198.6	282.6	283.2	182.3	-	275.6	283.9	294.4	168.8	290.2	-
18	237.1	199.2	282.8	282.1	183.4	-	284.9	270.6	296.2	169.1	289.7	-
19	235.1	215.3	262.3	281.0	181.1	-	293.9	263.1	297.0	173.4	300.9	-
20	228.2	224.9	250.7	285.6	181.5	-	304.7	262.4	297.2	176.6	309.0	-
21	217.4	228.0	246.1	286.6	182.5	-	309.1	266.4	294.7	179.0	303.8	-
22	211.3	241.5	231.1	286.1	182.7	-	304.6	280.4	281.2	195.4	309.2	-
23	204.3	249.0	223.1	287.1	196.6	-	304.4	286.5	281.5	203.7	312.8	-
24	200.4	234.4	215.5	288.0	203.5	-	302.9	290.2	279.7	210.9	315.1	-
25	215.2	236.4	205.1	263.9	207.7	-	293.1	274.8	279.6	217.8	316.0	-
26	218.1	238.1	220.2	248.7	213.9	-	309.4	277.8	279.2	224.3	315.3	-
27	214.6	239.7	230.4	244.4	220.9	-	305.3	281.3	276.7	232.2	309.7	-
28	212.3	242.2	231.4	244.3	226.8	-	300.5	282.4	271.1	240.4	306.8	-
29	210.7	243.4	229.8	245.3	232.4	-	301.8	315.7	237.5	246.4	305.5	-
30	208.3	245.3	228.3	218.0	237.6	-	303.3	336.4	220.7	250.6	304.6	-
31	205.4	-	256.9	204.0	-	-	302.7	-	216.8	253.2	-	-

Table G-6B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	214.0	300.3	202.3	194.1	274.2	293.0	252.2	329.6	283.5	320.6	226.5	232.7	226.1	266.7	256.3	212.0	453.5	379.3
2	213.3	298.9	203.9	194.4	278.5	-	250.9	321.7	325.5	288.1	234.6	-	224.3	268.1	256.8	212.1	475.3	-
3	214.0	297.4	207.5	194.2	282.6	-	254.8	321.6	328.6	258.3	241.0	-	223.5	266.0	237.7	213.0	474.4	-
4	214.4	297.0	209.3	193.6	287.0	-	278.5	328.8	345.3	249.7	246.9	-	243.7	268.4	218.9	211.6	482.9	-
5	214.5	297.0	209.6	193.2	289.3	-	286.9	329.4	355.9	243.3	258.9	-	262.9	266.5	215.8	211.0	561.3	-
6	214.3	295.3	209.7	193.2	316.6	-	285.5	326.5	364.6	239.6	271.7	-	268.3	265.5	215.0	210.3	610.3	-
7	212.6	292.3	209.5	194.7	335.3	-	286.9	315.4	369.2	236.6	278.9	-	266.7	265.9	214.9	210.1	636.0	-
8	207.6	291.9	208.4	198.2	339.0	-	295.8	304.5	374.2	231.8	285.5	-	265.5	267.0	214.3	210.9	661.1	-
9	206.3	292.1	207.9	199.7	331.5	-	305.3	301.1	387.1	218.7	290.0	-	265.3	265.7	213.2	212.7	677.8	-
10	206.7	292.2	209.9	204.0	306.3	-	308.4	298.1	413.2	211.9	291.2	-	267.8	264.9	212.5	217.4	599.6	-
11	206.8	292.2	211.4	222.2	294.0	-	310.9	297.2	427.0	207.1	290.8	-	268.9	264.9	212.7	234.5	557.5	-
12	207.2	291.4	211.7	232.0	288.4	-	311.8	296.4	437.3	203.6	290.1	-	268.8	264.8	231.3	250.9	555.4	-
13	207.9	265.4	211.5	235.1	284.1	-	312.4	280.2	440.5	201.8	289.1	-	268.8	263.5	238.6	254.4	553.7	-
14	228.5	246.8	212.2	237.4	284.5	-	333.4	274.0	431.9	201.2	287.5	-	270.1	262.0	242.5	258.4	509.2	-
15	247.1	239.4	213.3	239.4	285.7	-	350.7	276.1	412.9	201.7	291.3	-	271.6	275.0	232.4	283.9	479.4	-
16	255.3	237.0	214.4	239.9	290.7	-	365.1	272.2	408.6	201.0	296.1	-	272.2	296.1	216.1	302.3	457.1	-
17	257.5	227.0	215.2	238.5	298.5	-	374.0	270.1	408.0	181.8	296.7	-	272.8	303.0	211.3	316.4	440.8	-
18	265.6	201.2	216.5	237.7	308.0	-	371.0	261.8	451.8	177.1	296.0	-	273.1	306.1	209.3	328.3	427.8	-
19	269.0	185.2	216.9	237.7	316.1	-	377.4	255.5	466.2	176.6	296.5	-	272.2	306.8	208.4	338.4	388.2	-
20	277.4	179.2	216.4	238.2	323.7	-	384.6	249.3	468.5	174.8	296.9	-	269.3	306.5	207.7	372.3	364.7	-
21	286.2	178.3	215.5	238.0	331.2	-	390.6	221.8	471.7	173.3	295.7	-	268.3	306.5	207.5	393.3	346.8	-
22	287.9	177.9	215.4	237.8	338.1	-	412.9	217.6	463.2	174.0	291.8	-	268.4	307.0	208.3	413.1	339.5	-
23	287.9	177.5	214.9	237.6	344.5	-	401.8	216.1	453.9	176.2	290.4	-	268.5	304.2	208.2	429.2	329.8	-
24	287.8	177.9	213.0	237.6	348.3	-	388.9	213.7	450.7	176.8	262.1	-	254.6	299.0	207.5	441.6	322.3	-
25	288.9	178.9	211.0	238.1	352.5	-	365.1	214.3	448.3	195.5	245.3	-	237.2	293.1	206.1	450.5	317.7	-
26	289.8	179.4	209.4	227.6	361.6	-	349.4	215.9	447.9	209.7	237.7	-	234.1	287.9	205.3	457.3	317.5	-
27	290.4	179.7	217.4	217.5	366.5	-	337.4	217.9	445.6	217.7	234.9	-	236.0	285.2	204.5	460.0	318.7	-
28	291.0	196.2	207.1	214.6	335.1	-	331.2	226.8	429.1	211.6	237.7	-	237.6	266.1	203.0	456.5	324.7	-
29	289.3	204.5	199.3	237.8	312.3	-	329.5	228.8	449.1	211.5	236.2	-	253.9	258.5	203.5	445.9	364.4	-
30	289.5	203.9	195.4	259.2	301.4	-	329.8	254.8	411.0	216.1	236.0	-	261.0	256.2	207.4	433.9	385.9	-
31	296.2	-	194.0	268.9	-	-	330.2	-	368.7	220.0	-	-	264.0	-	210.8	428.1	-	-

Table G-6B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Albany Port (RT9) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	249.4	211.2	263.6	275.0	205.2	235.9	386.7	351.4	354.1	216.8	252.0	352.7
2	242.4	209.6	263.7	287.1	199.4	-	384.6	349.2	355.3	216.1	252.8	-
3	239.9	208.2	262.3	295.8	196.4	-	350.4	336.6	355.7	215.5	257.6	-
4	240.9	208.0	261.9	301.0	195.6	-	349.1	328.4	355.6	215.2	265.3	-
5	241.7	207.5	261.9	303.3	190.7	-	348.3	326.9	356.3	214.6	267.7	-
6	242.6	206.6	262.0	305.0	183.1	-	341.4	365.4	319.2	212.3	269.6	-
7	243.4	205.6	268.5	298.6	181.7	-	315.3	366.9	301.3	208.3	271.2	-
8	244.3	205.1	287.0	294.7	180.6	-	316.8	360.4	306.1	204.5	271.6	-
9	244.5	204.9	295.1	294.1	180.0	-	307.0	360.4	310.4	203.7	271.6	-
10	244.2	204.6	298.8	295.3	180.1	-	295.3	339.0	312.9	204.0	272.1	-
11	241.0	204.4	299.9	296.6	181.1	-	296.8	340.8	276.9	204.3	272.1	-
12	237.8	203.9	300.1	296.5	181.7	-	309.3	365.7	251.7	203.9	273.9	-
13	237.3	203.5	301.0	294.3	182.2	-	300.2	364.6	252.7	190.6	274.9	-
14	237.7	203.0	304.1	292.2	181.6	-	287.4	334.9	271.4	179.7	276.0	-
15	237.9	202.8	306.5	292.8	180.9	-	300.4	325.0	287.2	168.9	275.6	-
16	237.7	202.9	307.3	293.5	181.0	-	302.4	315.6	302.4	167.4	287.9	-
17	237.6	202.5	308.1	293.0	181.1	-	306.4	300.5	307.5	169.9	292.4	-
18	236.1	220.5	283.1	293.0	181.3	-	315.0	286.9	308.4	171.4	307.7	-
19	233.7	241.4	258.1	293.6	179.5	-	324.9	278.0	308.6	175.3	323.1	-
20	227.2	253.7	245.0	298.4	179.4	-	335.5	275.2	308.3	178.6	332.1	-
21	216.1	259.4	238.5	301.0	180.0	-	340.6	288.6	294.2	181.2	345.7	-
22	208.7	270.5	227.5	302.1	180.3	-	337.5	309.3	275.6	193.0	355.6	-
23	200.7	269.4	218.0	304.3	191.9	-	336.6	316.7	273.6	201.7	359.9	-
24	203.7	255.6	209.1	305.5	199.9	-	335.1	311.6	272.1	210.1	362.9	-
25	217.8	253.7	199.9	283.4	204.0	-	335.1	290.2	271.2	218.1	363.8	-
26	222.6	255.5	211.3	267.3	209.2	-	358.4	291.4	270.5	225.4	363.0	-
27	219.1	257.1	223.0	263.1	215.0	-	353.1	291.8	269.7	232.0	357.6	-
28	215.6	259.2	225.9	263.2	220.3	-	348.6	292.1	267.6	239.0	354.4	-
29	214.2	261.0	225.2	263.6	225.6	-	350.1	327.4	236.7	244.1	353.5	-
30	213.5	262.3	224.4	233.8	231.0	-	352.3	348.4	221.7	247.6	352.9	-
31	212.4	-	252.3	214.2	-	-	352.4	-	217.7	250.0	-	-

Table G-7A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	133.1	147.6	100.7	84.5	142.2	171.0	156.4	242.0	160.5	220.3	135.0	164.3	124.1	148.9	133.7	114.5	299.4	293.9
2	132.3	148.8	100.3	84.5	145.2	-	155.3	238.3	190.4	203.1	140.7	-	122.1	151.4	132.5	115.5	316.2	-
3	131.1	149.2	102.5	84.2	148.3	-	155.1	215.9	203.9	181.8	144.8	-	120.3	152.8	132.7	116.5	317.6	-
4	131.0	149.2	104.4	83.7	151.6	-	174.1	220.0	212.6	175.4	148.7	-	119.9	153.1	121.6	115.6	324.2	-
5	131.2	149.0	104.5	83.4	154.4	-	182.9	220.7	219.1	169.9	156.8	-	131.5	152.0	119.2	114.8	383.1	-
6	131.4	148.0	104.5	83.5	156.2	-	182.7	219.7	225.0	166.5	167.1	-	136.3	151.3	118.5	114.5	413.1	-
7	130.6	145.8	104.1	84.1	170.0	-	182.7	211.9	228.4	163.0	173.6	-	135.7	151.3	117.8	114.4	435.6	-
8	125.9	144.5	103.3	86.2	175.0	-	188.7	202.4	231.4	161.7	179.1	-	135.0	151.8	117.3	115.0	460.4	-
9	123.8	144.0	102.7	87.6	172.7	-	196.4	199.2	235.3	150.0	184.3	-	134.1	151.6	116.2	115.9	486.0	-
10	122.8	144.5	103.2	89.8	156.6	-	198.6	196.1	255.3	143.3	187.9	-	134.5	151.1	115.2	117.6	428.0	-
11	121.6	144.8	103.9	100.3	147.1	-	201.3	193.6	267.5	137.6	189.5	-	135.5	151.0	114.0	130.1	390.4	-
12	120.4	144.0	104.3	109.3	141.8	-	203.7	190.4	279.6	133.5	191.4	-	136.4	150.1	123.6	140.8	386.3	-
13	120.1	143.6	103.1	115.7	138.4	-	206.3	184.9	289.1	130.3	193.4	-	137.3	149.8	130.7	144.3	388.6	-
14	119.0	129.0	101.6	119.6	136.6	-	211.5	177.7	288.1	127.5	194.2	-	137.4	148.5	134.1	147.7	376.0	-
15	130.7	120.5	101.3	122.4	136.9	-	227.0	180.8	271.0	126.5	194.8	-	138.6	148.3	134.4	157.2	354.7	-
16	137.8	117.0	101.3	123.9	139.5	-	241.9	177.4	267.3	125.4	199.3	-	139.9	164.7	121.0	169.7	336.1	-
17	140.4	116.3	100.9	123.5	144.5	-	253.4	176.1	265.0	110.9	201.2	-	141.1	171.6	115.8	180.0	323.0	-
18	139.4	103.4	101.1	122.7	149.9	-	257.3	170.0	298.9	107.5	200.7	-	142.0	174.8	114.0	188.0	313.4	-
19	139.1	94.2	101.2	123.0	154.9	-	264.2	165.3	308.2	107.2	201.4	-	142.5	177.0	113.2	195.2	282.1	-
20	142.9	90.0	100.7	123.8	159.3	-	270.9	162.1	310.2	105.8	202.3	-	140.6	177.4	112.4	219.0	265.3	-
21	148.4	89.0	99.7	124.3	164.6	-	274.1	142.2	312.4	104.5	202.6	-	139.9	177.9	111.6	232.5	250.4	-
22	149.4	88.4	99.4	124.3	169.7	-	305.9	138.8	307.5	104.3	199.9	-	139.9	179.2	111.6	247.4	244.4	-
23	149.2	88.0	99.1	123.8	175.5	-	300.8	137.7	300.3	105.6	198.8	-	139.8	178.7	111.4	260.5	236.9	-
24	148.4	88.0	98.3	122.7	180.7	-	291.1	135.7	296.4	105.6	192.3	-	140.9	173.8	110.9	270.9	230.3	-
25	148.3	88.2	97.4	121.7	186.1	-	275.2	135.5	294.8	108.2	176.1	-	131.8	168.2	110.6	280.1	226.0	-
26	148.2	88.4	96.1	121.8	195.5	-	262.7	135.4	294.5	118.6	169.4	-	129.0	163.4	109.9	289.5	225.2	-
27	148.4	88.0	94.6	115.2	202.8	-	252.9	135.1	293.6	124.4	165.1	-	129.9	159.9	109.1	298.0	226.2	-
28	148.3	93.2	92.4	111.7	200.1	-	247.0	138.3	285.9	127.9	166.9	-	131.4	151.0	108.1	306.6	228.5	-
29	146.7	99.9	88.1	115.5	183.8	-	244.0	141.5	281.3	126.0	166.5	-	137.3	141.4	106.5	308.4	262.7	-
30	143.8	101.5	85.4	130.2	176.7	-	242.3	142.2	291.0	128.5	166.2	-	143.9	136.6	108.3	303.1	280.3	-
31	145.1	-	84.1	138.2	-	-	242.0	-	259.1	131.3	-	-	146.3	-	112.3	300.0	-	-

Table G-7A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	180.9	99.6	118.7	131.2	113.8	128.4	310.6	229.8	226.3	129.4	154.0	237.1
2	173.4	97.7	120.7	138.8	109.8	-	308.1	226.9	228.1	128.8	155.4	-
3	168.0	96.2	121.3	143.8	107.4	-	277.0	226.2	228.4	128.1	156.5	-
4	167.0	95.6	121.9	147.4	106.2	-	265.5	217.6	228.1	127.7	162.4	-
5	166.7	95.0	121.9	149.5	105.6	-	267.7	216.5	227.9	127.3	164.5	-
6	167.2	94.0	121.9	150.7	99.5	-	264.4	238.9	206.0	125.2	166.1	-
7	167.2	92.9	122.3	150.5	97.7	-	241.1	247.5	192.7	122.7	167.7	-
8	166.9	92.1	130.8	148.7	96.6	-	236.4	242.5	194.5	119.4	169.6	-
9	165.6	91.6	136.7	148.2	95.9	-	229.1	241.3	197.2	117.4	171.7	-
10	163.5	91.0	140.1	148.5	94.9	-	220.5	237.7	199.0	116.2	174.5	-
11	160.2	90.2	142.7	150.1	94.2	-	212.1	217.3	190.0	115.0	176.2	-
12	155.5	88.6	145.3	151.3	94.6	-	224.5	235.9	167.9	114.3	180.0	-
13	152.7	87.4	147.3	150.2	95.2	-	216.5	234.7	165.1	111.0	183.8	-
14	151.0	86.1	150.9	149.8	95.0	-	206.9	231.4	167.2	102.0	186.7	-
15	149.3	85.8	152.9	151.2	93.8	-	199.5	224.8	178.9	92.8	189.1	-
16	146.1	85.9	153.8	153.4	94.1	-	197.7	215.9	192.5	89.0	203.6	-
17	143.4	86.0	153.9	153.1	93.9	-	201.2	203.1	198.2	89.7	208.3	-
18	140.7	86.2	154.8	153.1	94.4	-	208.2	191.3	199.7	90.3	207.8	-
19	138.4	96.4	139.5	153.3	93.4	-	215.1	184.2	200.0	92.7	220.6	-
20	132.3	102.6	131.2	156.7	93.1	-	223.0	181.5	200.1	94.5	227.2	-
21	123.7	106.0	126.5	159.4	93.2	-	226.5	182.0	198.8	96.0	226.2	-
22	118.3	110.1	120.7	161.4	93.2	-	224.2	195.5	184.2	104.3	232.1	-
23	112.4	115.2	114.1	164.1	94.5	-	224.1	200.8	181.2	109.2	235.6	-
24	108.0	110.7	107.4	166.1	100.7	-	223.5	201.9	180.2	114.8	238.8	-
25	113.4	108.7	101.2	165.2	103.6	-	217.0	187.4	178.7	120.1	240.0	-
26	116.3	109.4	98.1	154.3	107.0	-	231.3	186.7	177.3	126.0	240.5	-
27	114.4	110.7	103.8	148.7	112.1	-	228.8	185.2	176.1	131.7	239.1	-
28	110.7	112.6	107.4	146.7	116.2	-	224.4	181.9	174.4	138.6	236.6	-
29	107.2	114.5	107.7	147.7	120.3	-	225.7	202.4	151.9	144.7	236.9	-
30	104.6	116.5	106.5	132.9	124.4	-	226.7	218.6	137.2	149.0	236.8	-
31	102.3	-	118.5	120.4	-	-	228.9	-	130.4	151.9	-	-

Table G-7B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	132.5	152.7	92.1	77.2	145.7	177.9	167.3	254.9	177.2	235.7	138.5	167.9	120.9	154.1	136.0	104.2	315.2	308.2
2	131.7	153.0	91.7	77.0	150.0	-	165.9	249.4	206.0	211.0	144.8	-	119.1	155.6	134.4	105.1	340.4	-
3	131.1	152.4	93.1	76.7	154.3	-	167.1	243.9	211.6	187.4	150.2	-	117.9	155.1	127.4	106.2	347.6	-
4	130.6	151.7	94.3	76.2	158.8	-	184.0	251.0	216.5	177.4	155.4	-	123.8	156.8	115.4	105.8	356.1	-
5	130.0	151.1	94.8	75.9	162.6	-	194.4	253.6	223.3	170.7	164.3	-	134.2	156.7	110.3	104.7	417.2	-
6	129.2	149.7	94.8	76.1	167.9	-	195.0	251.8	230.7	166.6	175.7	-	139.9	155.8	109.5	104.5	472.3	-
7	128.2	147.8	94.3	76.6	184.2	-	195.9	243.3	235.0	162.7	184.0	-	140.6	155.8	108.6	104.3	501.0	-
8	124.2	146.4	93.6	78.4	190.1	-	202.3	232.3	238.6	160.3	189.8	-	139.8	156.5	108.0	104.7	529.9	-
9	121.2	145.7	93.0	80.2	187.9	-	211.0	227.5	243.1	148.7	195.2	-	138.9	156.6	106.9	105.8	557.2	-
10	120.2	146.2	93.2	82.4	172.2	-	214.8	223.9	264.3	142.3	198.8	-	139.3	156.2	105.8	107.7	498.3	-
11	119.0	146.5	93.8	91.3	162.3	-	217.9	221.2	277.0	137.1	200.5	-	140.5	156.2	104.6	118.0	455.8	-
12	118.0	145.9	93.8	98.9	157.4	-	220.6	218.1	288.3	133.1	202.2	-	141.6	155.6	112.5	127.3	448.7	-
13	117.6	137.4	92.9	103.3	154.2	-	223.2	202.9	296.5	130.1	203.6	-	142.3	154.6	118.8	131.4	450.1	-
14	123.7	124.7	92.3	106.3	153.2	-	239.5	193.9	294.9	128.2	204.2	-	142.7	153.1	121.9	134.5	416.2	-
15	134.9	117.4	92.0	108.6	154.1	-	257.5	195.5	280.4	127.5	206.7	-	143.6	153.0	122.4	149.5	387.8	-
16	141.7	114.2	92.1	110.2	157.6	-	272.4	192.7	275.3	126.4	212.1	-	144.4	166.6	112.0	163.8	367.9	-
17	144.1	112.9	91.8	110.4	163.7	-	283.4	190.7	273.9	112.5	215.3	-	145.2	174.2	106.6	174.9	353.4	-
18	142.9	100.6	91.8	110.4	171.1	-	286.4	184.6	305.9	105.9	216.3	-	145.8	177.5	104.3	184.8	342.4	-
19	143.1	90.3	91.5	111.0	177.9	-	293.3	178.4	324.9	104.6	217.4	-	145.9	179.4	103.0	194.1	310.2	-
20	145.8	84.3	90.9	112.2	184.0	-	301.3	172.8	329.2	103.0	219.1	-	144.2	180.3	101.9	218.1	287.6	-
21	151.5	82.2	89.9	113.0	191.4	-	307.0	152.6	332.0	101.4	219.9	-	143.0	181.5	100.9	236.8	271.5	-
22	153.7	81.2	89.5	113.2	198.5	-	330.2	148.0	327.7	100.9	218.1	-	142.9	183.4	100.6	253.2	264.0	-
23	153.4	80.7	89.3	113.0	206.2	-	318.0	146.3	320.1	102.1	217.3	-	142.6	183.0	100.4	268.6	257.0	-
24	152.1	80.6	88.7	112.6	212.4	-	307.8	144.2	315.7	102.6	195.0	-	142.6	177.4	100.1	280.9	250.5	-
25	151.5	80.7	88.1	112.5	217.9	-	289.7	143.3	314.2	114.3	178.0	-	135.5	171.1	100.1	291.4	246.2	-
26	151.3	80.8	87.1	111.8	226.0	-	276.9	143.1	314.4	125.7	171.5	-	131.5	165.8	99.7	300.8	245.4	-
27	151.6	80.7	87.1	106.7	232.1	-	266.2	143.1	314.2	131.6	168.1	-	132.0	162.2	99.4	308.2	246.4	-
28	151.4	86.1	84.7	104.2	211.6	-	259.6	147.3	304.8	131.2	169.7	-	133.5	150.8	98.7	312.9	250.9	-
29	150.0	91.7	81.1	116.3	192.0	-	257.1	150.4	309.2	129.4	169.8	-	142.2	141.7	98.2	311.4	284.5	-
30	148.2	92.9	78.8	131.8	184.2	-	255.8	158.5	304.2	131.6	169.6	-	149.3	138.1	99.8	305.8	304.2	-
31	150.0	-	77.5	140.2	-	-	255.4	-	273.4	134.5	-	-	151.8	-	102.4	302.7	-	-

Table G-7B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at East Greenbush/Schodack (RT10) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	179.8	95.9	117.8	121.5	111.4	128.3	320.9	272.9	233.5	123.9	147.5	261.6
2	173.0	93.9	118.7	129.2	106.3	-	318.3	269.9	235.0	123.0	149.6	-
3	168.9	92.0	118.7	135.5	103.3	-	289.1	258.5	234.6	122.2	152.4	-
4	168.0	90.7	118.7	140.1	101.6	-	284.9	245.7	233.8	121.7	159.6	-
5	167.4	89.5	118.9	142.9	100.5	-	287.7	242.9	232.7	121.1	162.6	-
6	166.5	88.2	119.1	144.9	94.6	-	281.1	265.1	210.8	119.3	164.5	-
7	165.7	87.1	119.7	146.6	92.3	-	258.9	278.4	192.4	116.8	166.8	-
8	164.5	86.4	126.7	145.0	91.4	-	254.7	271.4	192.0	113.3	169.0	-
9	162.9	85.9	133.1	144.8	90.7	-	250.0	270.8	194.9	111.3	171.0	-
10	160.9	85.3	136.8	145.4	90.0	-	239.0	265.7	196.7	110.3	173.5	-
11	157.8	84.6	139.3	147.1	89.8	-	230.2	256.8	178.1	109.5	175.3	-
12	153.3	83.4	141.1	148.0	90.3	-	239.9	279.2	157.2	108.9	178.1	-
13	150.8	82.3	142.6	147.5	90.9	-	232.8	281.4	152.9	103.3	181.2	-
14	149.4	81.7	144.8	147.3	90.8	-	222.7	257.8	159.5	96.0	183.9	-
15	147.7	81.4	146.3	148.8	90.2	-	231.4	244.1	170.0	88.6	186.5	-
16	145.6	81.2	146.8	150.9	90.3	-	235.5	234.3	180.8	85.0	198.2	-
17	143.5	80.8	147.2	151.5	90.2	-	238.2	220.6	186.8	85.2	204.0	-
18	140.8	83.1	143.5	152.4	90.7	-	244.4	207.3	188.8	86.3	213.8	-
19	137.8	91.5	130.7	153.4	90.0	-	252.3	197.8	189.3	88.2	230.1	-
20	131.6	99.1	120.9	156.9	89.7	-	260.5	192.5	189.5	90.4	238.4	-
21	121.9	103.8	115.1	160.5	90.0	-	265.7	192.0	187.6	92.2	246.6	-
22	114.6	108.8	108.8	163.5	90.4	-	264.4	203.1	175.5	99.7	256.1	-
23	107.8	114.7	101.6	167.1	95.5	-	263.1	209.7	170.4	105.5	260.1	-
24	102.8	111.9	95.1	170.4	101.7	-	262.8	210.5	169.4	111.5	263.7	-
25	106.5	109.3	89.4	167.0	104.7	-	257.0	194.5	168.1	117.0	265.1	-
26	109.5	109.8	88.3	156.7	108.0	-	273.5	191.5	167.1	122.5	265.5	-
27	107.9	111.1	93.3	151.4	112.2	-	273.4	190.1	166.4	127.8	263.3	-
28	104.5	113.0	96.4	150.2	115.9	-	268.7	187.8	165.0	133.3	260.7	-
29	101.6	114.7	96.7	150.7	119.8	-	269.7	208.7	145.2	138.1	260.6	-
30	99.6	116.3	96.1	133.5	124.1	-	271.1	225.5	131.9	141.9	261.0	-
31	97.7	-	108.0	118.5	-	-	273.0	-	125.7	144.8	-	-

Table G-8A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	71.8	68.1	40.4	31.4	70.5	106.0	101.1	181.4	100.4	170.6	75.1	114.7	64.1	79.9	72.8	50.4	194.8	234.1
2	73.1	69.0	40.2	31.2	72.9	-	100.1	177.5	117.3	150.9	78.9	-	63.9	81.4	71.2	51.5	212.8	-
3	72.0	69.4	40.8	31.0	75.5	-	100.1	167.5	131.6	131.7	82.4	-	62.2	82.7	70.2	52.2	219.3	-
4	71.5	69.4	41.8	30.8	78.3	-	106.8	171.5	136.1	124.5	85.8	-	61.8	86.1	62.2	52.2	224.3	-
5	71.2	69.2	42.1	30.6	81.0	-	115.5	173.6	139.7	118.6	91.4	-	67.0	85.9	58.7	51.4	259.4	-
6	70.8	68.4	42.1	30.7	82.9	-	116.7	171.0	145.2	115.0	99.0	-	70.7	85.2	58.1	51.2	294.3	-
7	69.9	67.2	41.8	31.0	91.8	-	118.0	164.2	148.7	111.8	105.6	-	71.4	85.1	57.4	51.2	317.0	-
8	67.7	66.2	41.5	31.8	96.4	-	122.5	155.2	151.4	108.3	110.5	-	70.8	85.5	56.9	51.4	341.9	-
9	65.2	65.4	41.2	33.1	97.1	-	128.6	150.4	155.7	98.8	115.2	-	70.0	85.9	56.2	51.8	367.7	-
10	64.0	65.6	41.0	34.3	91.8	-	131.7	146.8	171.9	93.0	119.5	-	69.6	85.7	55.4	52.8	340.3	-
11	62.8	65.8	41.2	37.3	85.0	-	134.5	143.6	183.0	87.6	122.4	-	70.1	85.8	54.2	60.4	308.4	-
12	61.5	65.5	41.4	41.7	80.6	-	137.3	139.7	195.0	83.6	125.4	-	71.0	85.4	54.9	66.4	297.4	-
13	60.8	64.9	40.9	45.6	78.1	-	140.5	134.9	202.7	80.0	128.1	-	71.8	84.9	58.6	70.0	300.6	-
14	60.2	59.9	39.9	48.4	77.2	-	146.4	126.7	203.9	77.3	130.2	-	72.2	85.4	60.3	72.4	289.2	-
15	64.1	54.8	39.3	50.5	77.0	-	161.4	127.6	192.1	75.7	132.0	-	72.6	84.8	60.7	79.1	270.9	-
16	68.2	51.9	38.9	51.9	79.3	-	174.8	126.0	186.0	74.3	137.3	-	73.4	93.4	54.9	87.9	255.8	-
17	70.5	50.9	38.5	52.3	83.1	-	186.9	124.1	184.1	63.9	141.0	-	74.0	100.4	50.7	95.5	244.4	-
18	70.4	48.2	38.3	52.5	87.5	-	196.1	119.6	210.5	59.2	142.2	-	74.7	103.7	49.0	102.5	236.5	-
19	69.0	43.0	37.8	52.8	91.7	-	204.1	115.0	224.8	58.2	143.4	-	75.1	106.0	47.9	108.7	221.9	-
20	70.0	39.6	37.5	53.7	95.5	-	211.8	111.2	228.8	57.1	144.8	-	74.3	107.0	47.2	119.1	205.7	-
21	73.0	38.1	36.9	54.3	100.3	-	215.3	95.4	231.6	55.9	145.7	-	73.8	107.9	46.6	130.6	192.6	-
22	74.4	37.5	36.7	54.5	105.3	-	243.5	92.1	228.8	55.2	145.1	-	73.5	109.6	46.2	141.8	185.3	-
23	74.2	37.1	36.4	54.3	110.9	-	237.0	90.7	223.2	55.6	144.3	-	73.2	110.4	46.0	152.8	180.6	-
24	73.4	37.1	36.2	53.7	116.7	-	229.6	89.0	219.2	55.9	140.2	-	73.6	105.8	45.9	162.4	175.1	-
25	72.6	37.0	35.9	53.0	122.2	-	213.5	87.5	218.3	57.0	124.6	-	72.0	100.6	46.0	171.4	171.3	-
26	72.1	37.0	35.3	52.9	129.1	-	203.7	86.5	218.4	64.3	118.6	-	69.6	96.1	45.8	181.0	169.9	-
27	72.1	36.9	34.7	51.0	133.8	-	195.1	85.3	218.8	68.3	114.8	-	69.4	92.6	45.5	189.8	170.1	-
28	71.8	37.2	34.9	50.1	130.2	-	189.4	85.5	216.6	71.3	114.3	-	70.2	89.2	45.3	195.0	173.4	-
29	70.2	39.5	33.5	52.7	116.0	-	186.1	88.4	209.1	70.1	115.4	-	71.1	80.6	45.8	197.5	203.8	-
30	68.9	40.3	32.4	61.6	110.6	-	183.8	89.5	216.8	70.8	115.3	-	76.6	75.8	46.8	195.7	220.3	-
31	69.1	-	31.5	66.9	-	-	182.5	-	197.1	72.9	-	-	79.0	-	48.7	194.7	-	-

Table G-8A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	134.5	43.6	51.9	51.8	57.9	63.3	268.6	200.8	127.7	68.4	79.5	164.7
2	127.8	41.7	52.8	56.0	54.7	-	265.2	197.3	130.1	67.8	81.1	-
3	123.9	40.5	53.5	59.2	52.7	-	239.4	194.0	130.0	67.2	82.8	-
4	121.4	39.5	54.1	61.7	51.5	-	228.6	182.9	129.6	66.8	87.5	-
5	120.1	38.7	54.2	63.4	50.4	-	231.3	179.9	128.5	66.3	89.9	-
6	119.8	37.9	54.4	64.9	47.2	-	227.3	183.4	123.3	65.3	91.3	-
7	118.4	37.1	54.7	67.5	45.2	-	204.2	201.4	111.1	63.8	93.0	-
8	116.6	36.6	56.9	67.7	44.3	-	192.1	196.7	109.3	61.3	95.3	-
9	114.5	36.1	60.4	67.6	43.7	-	189.0	195.2	111.3	59.3	97.8	-
10	111.9	35.8	63.0	67.8	43.0	-	179.9	192.1	112.4	57.8	100.6	-
11	108.8	35.2	65.2	68.7	42.4	-	171.7	165.7	111.5	56.6	103.0	-
12	104.1	34.4	67.0	69.7	42.3	-	181.3	181.8	95.6	55.9	106.6	-
13	100.5	33.5	68.6	69.9	42.7	-	174.9	185.6	89.6	53.7	110.4	-
14	98.0	32.7	70.3	70.0	42.5	-	167.2	182.1	89.9	48.5	113.8	-
15	96.1	32.3	71.6	71.4	42.0	-	160.5	169.7	96.6	44.1	116.9	-
16	93.0	32.2	72.1	73.2	42.0	-	163.4	157.9	103.3	40.9	123.7	-
17	89.9	32.1	72.2	73.6	41.9	-	167.6	146.3	108.4	40.2	128.6	-
18	87.4	32.1	73.0	74.3	42.1	-	173.2	135.3	110.4	40.5	129.6	-
19	83.7	35.4	66.6	75.1	41.9	-	178.9	128.1	110.8	41.4	139.9	-
20	74.8	38.8	61.0	76.9	41.7	-	184.8	123.4	111.2	42.6	145.5	-
21	67.8	41.2	57.4	79.2	41.7	-	188.5	121.3	110.6	43.6	151.3	-
22	63.0	43.0	54.5	81.4	41.8	-	187.5	126.9	103.6	45.6	155.4	-
23	58.3	46.1	50.0	83.9	42.2	-	186.5	131.2	99.1	48.6	158.2	-
24	54.5	46.5	45.9	86.3	45.5	-	187.0	131.1	98.1	52.0	161.0	-
25	54.2	45.3	42.6	87.7	47.8	-	182.9	118.1	97.1	55.3	162.5	-
26	55.3	45.3	39.9	84.1	49.9	-	197.4	114.5	96.0	59.0	163.6	-
27	54.4	45.8	40.6	79.7	52.8	-	198.4	112.2	95.0	62.6	162.9	-
28	52.3	46.8	42.5	77.3	55.3	-	194.4	108.6	94.5	67.2	161.3	-
29	49.8	48.2	43.1	77.3	57.9	-	194.3	111.5	87.8	71.6	162.2	-
30	47.6	50.4	41.9	72.1	60.7	-	195.6	121.6	76.8	75.1	163.2	-
31	45.6	-	44.9	62.6	-	-	198.4	-	70.5	77.6	-	-

Table G-8B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	76.0	72.5	39.4	29.7	71.8	107.2	103.2	201.7	103.7	170.3	74.1	114.7	64.0	78.6	70.7	46.2	217.7	239.3
2	75.6	72.7	39.4	29.5	75.0	-	102.5	197.5	120.3	149.0	78.1	-	62.9	79.7	69.0	47.3	235.9	-
3	75.4	72.6	39.9	29.3	78.3	-	102.6	190.7	129.5	130.8	82.2	-	61.8	80.2	67.1	48.1	248.3	-
4	74.7	72.1	40.5	29.0	81.8	-	111.2	193.3	132.2	119.6	86.1	-	61.8	82.2	59.9	48.3	257.4	-
5	74.0	71.6	41.0	28.7	85.1	-	120.7	197.1	136.1	113.3	92.0	-	66.2	83.3	55.3	47.7	301.9	-
6	73.1	70.1	41.1	28.8	87.0	-	123.7	193.7	141.0	109.2	99.8	-	69.3	83.0	54.0	47.4	354.4	-
7	72.6	69.0	40.8	29.4	95.5	-	126.4	183.4	145.0	105.8	107.3	-	70.5	82.9	53.3	47.3	384.4	-
8	70.4	68.0	40.4	30.0	101.0	-	133.6	172.6	148.0	102.1	112.4	-	70.3	83.1	52.7	47.4	414.6	-
9	67.6	67.0	40.3	31.1	101.9	-	141.4	165.9	152.0	93.4	117.0	-	69.6	83.5	52.1	48.0	436.2	-
10	66.2	67.0	40.2	32.3	95.3	-	146.2	161.6	167.4	87.8	121.2	-	69.1	83.4	51.2	49.7	399.2	-
11	65.0	67.1	40.3	35.5	88.3	-	149.6	157.8	178.8	83.1	123.9	-	69.6	83.4	50.5	56.3	361.3	-
12	63.9	66.8	40.4	39.6	84.1	-	152.9	153.8	189.3	79.5	126.4	-	70.3	83.2	52.0	62.0	346.0	-
13	63.4	66.0	39.8	42.9	81.7	-	156.6	142.2	196.9	76.5	128.9	-	71.1	82.5	55.3	65.8	347.0	-
14	63.0	60.3	39.2	45.3	81.1	-	169.5	132.6	198.6	74.2	130.8	-	71.5	81.7	57.5	68.3	321.8	-
15	67.5	55.5	38.7	47.1	81.4	-	186.6	132.6	189.1	73.0	133.3	-	71.9	81.8	57.8	77.1	295.3	-
16	71.8	52.9	38.2	48.3	84.1	-	201.4	131.4	182.9	71.8	138.4	-	72.4	89.4	52.6	87.6	278.8	-
17	73.9	51.7	37.9	48.9	88.2	-	213.4	129.2	181.2	63.3	142.4	-	72.9	96.2	48.3	95.8	266.3	-
18	73.5	47.3	37.5	49.2	93.4	-	221.5	124.9	201.9	57.4	145.0	-	73.4	99.8	46.2	103.5	257.1	-
19	72.2	42.0	37.2	49.7	98.6	-	229.6	119.5	220.9	55.6	146.6	-	73.3	101.9	45.1	111.2	234.4	-
20	72.5	38.0	36.8	50.6	103.5	-	238.5	114.4	227.4	54.3	148.6	-	72.1	103.2	44.2	126.5	213.5	-
21	74.7	35.9	36.2	51.3	109.2	-	244.3	99.6	230.4	53.0	150.1	-	71.1	104.5	43.4	142.9	200.1	-
22	76.8	35.1	35.6	51.6	115.2	-	269.2	95.3	228.1	52.2	150.4	-	70.7	106.3	42.9	156.6	192.5	-
23	77.0	34.9	35.1	51.7	121.9	-	260.2	93.4	222.8	52.4	149.9	-	70.2	106.8	42.5	170.0	187.8	-
24	76.1	35.0	34.7	51.4	128.0	-	251.9	91.6	218.4	52.9	139.1	-	70.1	102.6	42.4	182.0	182.6	-
25	75.1	34.9	34.4	51.2	133.7	-	237.0	89.8	217.0	57.1	124.2	-	69.1	97.2	42.6	192.6	178.8	-
26	74.5	34.8	34.0	51.3	140.2	-	226.6	88.4	217.5	64.3	117.9	-	67.1	92.5	42.6	202.8	177.4	-
27	74.6	35.1	33.2	49.7	144.0	-	216.8	87.8	217.4	68.2	114.7	-	66.7	89.2	42.4	212.1	178.1	-
28	74.2	36.2	32.8	48.9	133.0	-	210.3	88.7	213.8	70.2	114.8	-	67.3	84.2	42.2	218.3	181.9	-
29	72.8	38.4	31.6	54.1	118.2	-	206.8	91.4	210.0	69.3	115.7	-	69.9	76.9	42.3	219.7	208.9	-
30	71.5	39.5	30.5	63.0	112.1	-	204.6	92.6	216.4	69.9	115.6	-	74.8	72.9	43.2	216.4	226.3	-
31	71.5	-	29.7	67.8	-	-	203.3	-	196.7	71.7	-	-	77.1	-	44.9	215.2	-	-

Table G-8B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Henry Hudson Park in Selkirk, NY (shore) (B18) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	132.6	41.9	49.2	48.9	56.6	60.7	275.5	221.4	139.2	64.8	79.8	180.3
2	126.1	40.6	49.8	53.4	52.9	-	271.1	218.3	141.8	63.9	81.8	-
3	121.8	39.2	50.1	57.1	50.5	-	245.6	211.4	141.5	63.2	84.6	-
4	119.6	38.0	50.3	60.0	49.1	-	233.6	198.2	140.7	62.7	89.3	-
5	118.0	37.1	50.5	62.1	47.5	-	235.2	192.6	139.2	62.2	92.5	-
6	116.4	36.2	50.8	64.3	44.8	-	230.4	202.3	129.0	61.0	94.2	-
7	114.7	35.4	51.1	66.7	42.6	-	210.9	219.1	115.7	59.3	96.4	-
8	112.4	34.8	52.8	67.4	41.7	-	201.4	216.2	111.7	56.9	98.7	-
9	110.3	34.3	55.9	67.5	41.2	-	199.5	214.2	113.3	55.1	101.2	-
10	107.7	33.9	58.4	67.9	40.6	-	189.9	208.8	114.4	53.9	104.0	-
11	103.9	33.4	60.4	68.8	40.1	-	182.4	191.0	108.1	53.0	106.4	-
12	99.9	32.6	61.9	69.7	40.2	-	189.9	207.3	93.4	52.2	109.3	-
13	96.7	31.8	63.1	70.0	40.6	-	184.8	214.8	86.8	50.5	112.7	-
14	94.6	31.2	64.4	70.2	40.5	-	176.9	197.4	87.1	46.2	115.9	-
15	92.7	31.0	65.2	71.5	40.2	-	181.6	181.2	93.1	42.1	119.1	-
16	90.3	30.8	65.5	73.2	40.2	-	188.0	170.8	99.4	39.2	126.3	-
17	87.8	30.5	65.7	74.2	40.1	-	190.3	158.5	104.6	38.4	132.7	-
18	85.3	30.4	66.0	75.1	40.2	-	194.9	146.3	107.1	38.8	136.7	-
19	81.3	32.9	61.3	76.1	40.0	-	201.3	137.0	107.8	39.7	149.4	-
20	75.1	36.2	55.9	78.3	39.8	-	207.6	130.5	108.2	40.9	155.6	-
21	67.8	38.8	52.0	80.8	39.9	-	212.2	128.1	106.8	42.4	163.3	-
22	61.8	41.1	48.6	83.4	40.1	-	212.2	131.5	101.6	45.8	170.6	-
23	56.6	44.4	44.1	86.4	41.2	-	210.7	136.1	96.6	49.6	174.1	-
24	52.5	45.3	40.2	89.4	44.4	-	210.4	136.3	95.0	53.2	177.0	-
25	51.4	44.5	37.1	90.9	46.5	-	205.1	125.3	94.1	56.8	178.7	-
26	51.8	44.4	35.0	86.9	48.3	-	215.7	119.2	93.2	60.4	179.7	-
27	51.0	44.9	36.0	82.9	50.7	-	220.2	116.7	92.6	64.0	179.1	-
28	49.1	45.8	37.5	80.9	53.0	-	216.8	113.8	91.8	67.9	177.6	-
29	46.9	47.0	38.1	80.8	55.4	-	216.3	121.6	82.5	71.7	178.0	-
30	45.0	48.2	37.9	71.7	58.1	-	217.9	132.2	73.0	74.9	179.1	-
31	43.4	-	42.3	61.8	-	-	220.5	-	67.3	77.5	-	-

Table G-9A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	21.1	14.1	6.8	4.9	16.2	34.4	38.0	98.6	31.3	70.9	20.4	46.0	15.5	19.6	18.0	8.7	85.7	118.6
2	20.8	14.1	6.9	4.8	17.3	-	37.6	95.7	35.8	60.4	21.6	-	15.2	20.2	17.1	9.1	90.4	-
3	20.8	14.3	7.0	4.8	18.4	-	37.6	94.7	41.6	53.1	23.1	-	14.8	20.5	16.5	9.4	98.5	-
4	20.7	14.3	7.2	4.7	19.6	-	38.1	93.9	42.5	46.4	24.7	-	14.6	21.7	15.3	9.6	104.3	-
5	20.4	14.3	7.3	4.6	20.7	-	42.3	95.8	43.7	42.9	26.8	-	14.5	22.7	13.6	9.5	114.7	-
6	20.1	14.0	7.4	4.6	21.8	-	45.4	97.1	44.6	40.2	29.9	-	15.1	22.9	12.7	9.3	142.3	-
7	19.6	13.5	7.5	4.7	23.0	-	46.3	91.8	46.4	38.2	33.2	-	15.6	22.9	12.3	9.3	160.2	-
8	19.2	13.3	7.4	4.8	24.7	-	49.3	84.5	47.9	36.2	36.4	-	15.8	22.9	12.0	9.3	180.0	-
9	18.1	13.0	7.3	4.9	26.1	-	53.3	78.9	49.6	32.4	39.1	-	15.6	22.9	11.8	9.4	201.6	-
10	17.2	12.8	7.4	5.2	26.5	-	56.4	75.1	54.9	29.0	41.7	-	15.4	23.1	11.5	9.6	208.4	-
11	16.5	12.8	7.4	5.5	24.8	-	58.8	71.9	61.3	26.5	44.1	-	15.2	23.1	11.1	10.5	189.2	-
12	16.0	12.7	7.5	6.2	22.8	-	61.1	68.6	67.3	24.5	46.3	-	15.4	23.0	11.0	12.6	174.2	-
13	15.6	12.5	7.4	7.1	21.5	-	63.6	64.5	72.6	22.6	48.3	-	15.7	22.8	11.0	14.5	168.7	-
14	15.3	12.4	7.2	7.9	21.1	-	67.6	56.8	75.5	21.2	50.2	-	15.9	22.6	11.4	15.9	163.6	-
15	15.0	11.7	7.1	8.6	20.9	-	79.0	53.4	75.4	20.2	52.1	-	16.0	22.5	11.8	17.6	146.5	-
16	15.4	10.9	6.9	9.1	21.7	-	89.2	53.4	70.9	19.4	54.8	-	16.1	23.4	11.4	21.1	137.1	-
17	16.0	10.4	6.7	9.3	22.9	-	99.3	52.4	69.0	18.2	57.6	-	16.2	26.2	10.1	24.1	129.4	-
18	16.3	10.1	6.6	9.5	24.7	-	107.3	50.6	70.5	15.8	60.0	-	16.4	28.5	9.2	27.0	124.1	-
19	15.8	9.1	6.5	9.7	26.6	-	115.4	47.8	79.5	14.6	61.4	-	16.5	29.9	8.6	29.9	116.5	-
20	15.1	8.0	6.3	9.9	28.5	-	123.3	45.0	84.6	14.1	62.6	-	16.2	30.7	8.4	33.8	103.6	-
21	15.2	7.3	6.2	10.1	30.5	-	128.3	37.7	87.2	13.6	63.9	-	16.0	31.4	8.1	40.3	95.1	-
22	15.6	6.8	6.1	10.3	33.0	-	146.4	35.3	86.6	13.1	64.9	-	15.8	32.2	7.9	46.0	89.3	-
23	16.0	6.7	5.9	10.3	35.8	-	139.8	33.9	85.0	12.9	65.2	-	15.6	32.7	7.8	51.9	86.5	-
24	15.9	6.6	5.8	10.2	38.8	-	135.4	33.0	82.8	12.9	63.8	-	15.6	31.6	7.7	57.9	83.8	-
25	15.7	6.6	5.7	10.1	41.9	-	125.2	31.8	81.5	13.2	55.1	-	16.2	29.3	7.7	63.7	81.3	-
26	15.3	6.6	5.6	10.0	45.4	-	119.5	30.7	81.5	15.3	49.3	-	16.5	27.1	7.7	70.0	79.7	-
27	15.2	6.6	5.5	9.8	48.4	-	113.3	29.6	81.9	17.2	46.5	-	16.4	25.3	7.7	76.4	79.5	-
28	15.0	6.6	5.4	9.8	46.8	-	108.5	29.0	81.6	18.5	45.4	-	16.4	23.8	7.6	81.9	80.9	-
29	14.6	6.7	5.2	10.7	40.1	-	105.0	29.2	79.7	19.3	46.0	-	16.5	21.7	7.6	84.6	97.4	-
30	14.2	6.7	5.2	13.1	36.6	-	102.5	30.1	78.2	19.2	46.3	-	17.4	19.3	7.9	84.6	108.5	-
31	14.1	-	5.0	14.9	-	-	100.3	-	78.8	19.6	-	-	18.6	-	8.3	85.0	-	-

Table G-9A. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Values at Noon at Schodack Island in Schodack Landing, NY (shore) (B17) (*continued*)

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	59.6	8.2	9.0	8.0	13.6	12.3	172.4	121.3	42.0	17.6	21.3	71.6
2	55.4	7.7	9.2	9.1	12.3	-	171.3	120.9	44.1	16.8	22.1	-
3	52.4	7.3	9.4	10.0	11.4	-	162.0	117.9	44.9	16.5	23.1	-
4	50.4	7.0	9.6	10.8	10.8	-	146.0	109.6	44.8	16.2	24.5	-
5	48.9	6.7	9.7	11.4	10.3	-	144.8	103.2	44.2	16.0	26.0	-
6	47.6	6.4	9.8	12.0	9.8	-	143.6	101.3	42.8	15.6	27.0	-
7	46.4	6.2	9.9	12.7	9.0	-	128.7	111.3	37.7	14.9	27.9	-
8	44.9	6.0	10.0	13.4	8.5	-	118.6	113.2	34.8	14.2	29.0	-
9	43.2	5.8	10.4	13.8	8.2	-	116.7	112.7	34.1	13.4	30.4	-
10	41.5	5.6	11.0	14.0	7.9	-	111.6	109.6	34.4	12.7	32.0	-
11	39.4	5.5	11.7	14.2	7.7	-	105.9	92.9	34.3	12.2	33.6	-
12	37.2	5.3	12.2	14.5	7.5	-	108.6	94.6	30.0	11.8	35.3	-
13	35.2	5.1	12.7	14.7	7.5	-	107.3	102.1	25.6	11.2	37.3	-
14	33.4	5.0	13.1	14.9	7.4	-	102.2	104.0	23.9	10.3	39.5	-
15	32.1	4.8	13.4	15.5	7.3	-	96.8	91.7	24.1	9.2	41.5	-
16	30.7	4.8	13.5	15.9	7.3	-	102.2	84.3	25.7	8.2	43.4	-
17	29.3	4.7	13.6	16.3	7.2	-	103.1	75.4	27.6	7.6	46.9	-
18	27.9	4.7	13.7	16.7	7.3	-	105.1	67.4	29.1	7.5	48.6	-
19	26.1	4.7	13.8	17.1	7.2	-	108.8	61.1	29.9	7.6	54.0	-
20	23.7	5.1	12.7	17.6	7.2	-	112.1	56.4	30.1	7.9	58.0	-
21	20.9	5.6	11.6	18.3	7.2	-	115.6	53.6	30.0	8.2	60.7	-
22	18.3	6.1	10.6	19.1	7.2	-	116.1	51.9	29.5	8.8	62.6	-
23	16.0	6.8	9.3	20.0	7.3	-	115.0	52.3	28.1	10.0	64.4	-
24	14.2	7.4	8.2	21.0	7.5	-	115.4	52.4	26.9	11.0	66.2	-
25	12.9	7.7	7.3	21.5	8.2	-	112.0	49.9	26.3	12.0	67.7	-
26	12.1	7.7	6.7	21.9	8.8	-	112.6	45.0	25.9	13.2	68.7	-
27	11.5	7.8	6.3	21.3	9.4	-	118.9	42.7	25.4	14.5	69.3	-
28	10.9	7.9	6.3	20.5	10.1	-	118.2	40.5	25.1	15.9	69.4	-
29	10.2	8.2	6.4	20.0	10.8	-	116.4	38.3	24.4	17.5	69.8	-
30	9.5	8.5	6.4	19.2	11.5	-	117.5	39.4	22.0	19.0	70.7	-
31	8.8	-	6.6	15.8	-	-	119.1	-	19.3	20.3	-	-

Table G-9B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17)

	1985						1986						1987					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October	May	June	July	August	September	October
1	21.7	14.4	6.4	4.6	15.5	33.7	37.5	103.7	32.4	76.5	18.8	46.3	15.2	18.9	18.4	7.9	85.9	119.0
2	21.6	14.5	6.4	4.5	16.7	-	37.1	101.1	37.0	65.6	20.0	-	14.9	19.4	17.5	8.3	90.0	-
3	21.5	14.5	6.6	4.4	17.9	-	37.0	97.6	42.6	56.7	21.5	-	14.5	19.8	16.7	8.6	98.4	-
4	21.2	14.5	6.7	4.4	19.1	-	38.0	96.5	44.4	48.8	23.2	-	14.2	20.8	15.1	8.7	106.0	-
5	20.8	14.3	6.8	4.3	20.3	-	41.7	98.0	45.8	44.3	25.3	-	14.3	21.8	13.4	8.6	120.5	-
6	20.4	14.0	7.0	4.2	21.4	-	45.0	99.3	46.7	41.2	28.3	-	14.7	22.3	12.3	8.5	150.2	-
7	19.9	13.6	7.0	4.3	22.6	-	46.9	94.6	48.4	38.9	31.6	-	15.2	22.4	11.8	8.5	172.2	-
8	19.5	13.4	7.0	4.4	24.3	-	50.0	87.3	50.1	36.8	34.7	-	15.5	22.4	11.5	8.5	193.6	-
9	18.5	13.1	6.9	4.5	25.6	-	54.2	81.2	52.1	32.9	37.2	-	15.3	22.4	11.3	8.5	213.0	-
10	17.5	12.9	7.0	4.7	25.9	-	57.7	76.9	57.8	29.4	39.7	-	15.2	22.5	11.0	8.9	215.4	-
11	16.8	12.8	7.0	5.1	24.2	-	60.5	73.6	64.7	27.0	41.8	-	15.1	22.6	10.7	9.9	196.2	-
12	16.3	12.7	7.1	5.7	22.3	-	62.9	70.3	70.8	25.0	43.8	-	15.2	22.5	10.5	11.7	180.8	-
13	15.9	12.6	7.0	6.5	21.1	-	65.5	65.6	76.1	23.3	45.7	-	15.5	22.3	10.7	13.3	175.4	-
14	15.6	12.3	6.8	7.3	20.6	-	70.0	58.6	78.9	21.9	47.5	-	15.6	22.1	11.1	14.5	169.0	-
15	15.5	11.4	6.6	7.9	20.5	-	80.3	56.1	77.5	20.9	49.3	-	15.7	22.1	11.4	16.1	152.3	-
16	16.1	10.5	6.5	8.3	21.2	-	90.1	55.8	73.3	20.2	51.9	-	15.8	23.3	10.8	19.3	142.1	-
17	16.8	10.0	6.3	8.6	22.4	-	99.5	54.8	71.2	18.2	54.8	-	15.9	25.9	9.6	22.1	133.8	-
18	17.0	9.7	6.2	8.8	24.2	-	107.3	52.9	75.6	15.8	57.4	-	16.1	28.2	8.7	25.0	127.8	-
19	16.5	8.7	6.1	9.0	26.2	-	115.2	49.9	84.9	14.2	59.2	-	16.1	29.9	8.1	28.0	118.2	-
20	15.8	7.7	6.0	9.2	28.2	-	123.0	46.7	92.8	13.5	60.7	-	15.8	31.0	7.7	32.5	104.0	-
21	15.6	6.9	5.8	9.4	30.4	-	128.4	39.3	96.2	12.9	62.2	-	15.5	31.8	7.5	39.3	95.5	-
22	15.8	6.4	5.7	9.6	33.0	-	144.6	35.4	95.9	12.5	63.4	-	15.3	32.7	7.3	45.5	89.7	-
23	16.2	6.1	5.6	9.6	36.0	-	145.4	33.8	94.3	12.2	64.1	-	15.1	33.2	7.1	51.9	87.0	-
24	16.2	6.1	5.4	9.7	39.0	-	140.6	32.7	92.0	12.3	62.9	-	15.0	32.1	7.0	58.2	84.5	-
25	16.0	6.1	5.3	9.6	42.1	-	131.3	31.5	90.4	12.6	55.0	-	15.5	29.7	7.0	64.3	82.2	-
26	15.7	6.1	5.3	9.5	45.4	-	124.8	30.4	90.5	14.5	49.4	-	15.9	27.4	7.1	70.4	80.7	-
27	15.5	6.1	5.2	9.4	47.9	-	118.4	29.3	91.1	16.3	46.9	-	15.9	25.7	7.0	76.5	80.6	-
28	15.4	6.1	5.1	9.4	46.3	-	113.3	28.8	91.0	17.4	45.9	-	15.9	24.2	7.0	81.9	82.4	-
29	15.0	6.2	5.0	10.1	40.2	-	109.7	29.2	88.8	17.8	46.3	-	16.0	22.0	7.0	84.5	96.8	-
30	14.6	6.3	4.9	12.2	36.1	-	107.3	30.0	88.6	17.8	46.7	-	17.0	19.8	7.2	84.6	108.4	-
31	14.4	-	4.7	14.2	-	-	105.2	-	85.4	18.1	-	-	18.1	-	7.6	85.0	-	-

Table G-9B. Scenario 4 Rolling 30-day Geomean Bacteria Concentration (cfu/100 ml) Using Daily Average Values at Schodack Island in Schodack Landing, NY (shore) (B17) ***(continued)***

	1988						1989					
Starting Date	May	June	July	August	September	October	May	June	July	August	September	October
1	58.8	7.7	8.2	7.5	13.3	12.1	175.8	123.1	41.4	16.9	19.8	73.3
2	54.8	7.3	8.4	8.8	11.8	-	173.1	122.0	43.4	16.0	20.8	-
3	51.7	6.9	8.5	9.8	10.8	-	157.8	118.6	44.3	15.5	21.9	-
4	49.6	6.5	8.7	10.7	10.2	-	142.5	110.3	44.2	15.2	23.5	-
5	48.0	6.2	8.8	11.4	9.7	-	140.4	102.7	43.7	14.9	25.0	-
6	46.6	5.9	8.9	12.0	9.1	-	139.1	100.7	41.9	14.5	26.2	-
7	45.3	5.7	9.0	12.6	8.4	-	125.7	109.1	37.3	13.9	27.2	-
8	43.7	5.5	9.2	13.3	7.9	-	115.5	113.0	34.1	13.2	28.3	-
9	42.1	5.3	9.6	13.8	7.6	-	112.0	112.8	32.9	12.5	29.6	-
10	40.5	5.2	10.1	14.0	7.4	-	107.8	109.7	33.1	11.9	31.1	-
11	38.5	5.0	10.7	14.2	7.3	-	102.2	94.5	32.9	11.4	32.6	-
12	36.4	4.9	11.2	14.5	7.2	-	105.0	94.9	28.6	11.0	34.2	-
13	34.6	4.7	11.6	14.7	7.2	-	106.3	102.1	24.6	10.6	36.1	-
14	33.0	4.5	11.9	14.9	7.2	-	101.6	104.1	22.9	9.7	38.1	-
15	31.6	4.4	12.2	15.4	7.1	-	96.8	93.6	23.3	8.7	40.0	-
16	30.3	4.4	12.3	15.9	7.1	-	100.7	86.0	24.8	7.8	42.0	-
17	28.9	4.3	12.4	16.4	7.1	-	101.4	77.1	26.6	7.2	45.2	-
18	27.5	4.3	12.4	16.8	7.1	-	103.3	68.9	28.1	7.0	47.5	-
19	25.8	4.3	12.3	17.3	7.0	-	106.8	62.0	29.0	7.1	52.3	-
20	23.2	4.6	11.5	17.9	7.0	-	110.1	56.7	29.4	7.4	57.1	-
21	20.3	5.0	10.5	18.5	7.0	-	113.4	53.3	29.2	7.7	60.7	-
22	17.5	5.5	9.5	19.4	7.0	-	114.6	51.3	28.8	8.2	64.4	-
23	15.2	6.1	8.4	20.4	7.2	-	114.0	50.9	27.6	9.4	66.3	-
24	13.4	6.7	7.4	21.5	7.6	-	114.0	50.8	26.4	10.4	68.1	-
25	12.1	7.0	6.5	22.1	8.2	-	111.4	47.6	25.7	11.4	69.6	-
26	11.2	7.1	6.0	22.5	8.7	-	113.6	42.8	25.3	12.5	70.5	-
27	10.7	7.2	5.7	21.8	9.3	-	119.7	40.3	25.0	13.7	71.0	-
28	10.1	7.3	5.8	21.0	9.9	-	120.1	38.3	24.7	14.9	71.0	-
29	9.5	7.6	5.9	20.5	10.6	-	118.6	36.8	23.9	16.3	71.3	-
30	8.8	7.9	5.9	18.9	11.3	-	119.5	38.8	21.1	17.6	72.2	-
31	8.3	-	6.3	15.7	-	-	121.1	-	18.6	18.8	-	-

Appendix H. Sampling Event Geomean and Modeled Rolling 30-Day Geomean Bacteria Concentration Plots

Figure H-1A. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Noon Values) Hudson River Bacteria Concentrations Upstream of Federal Dam

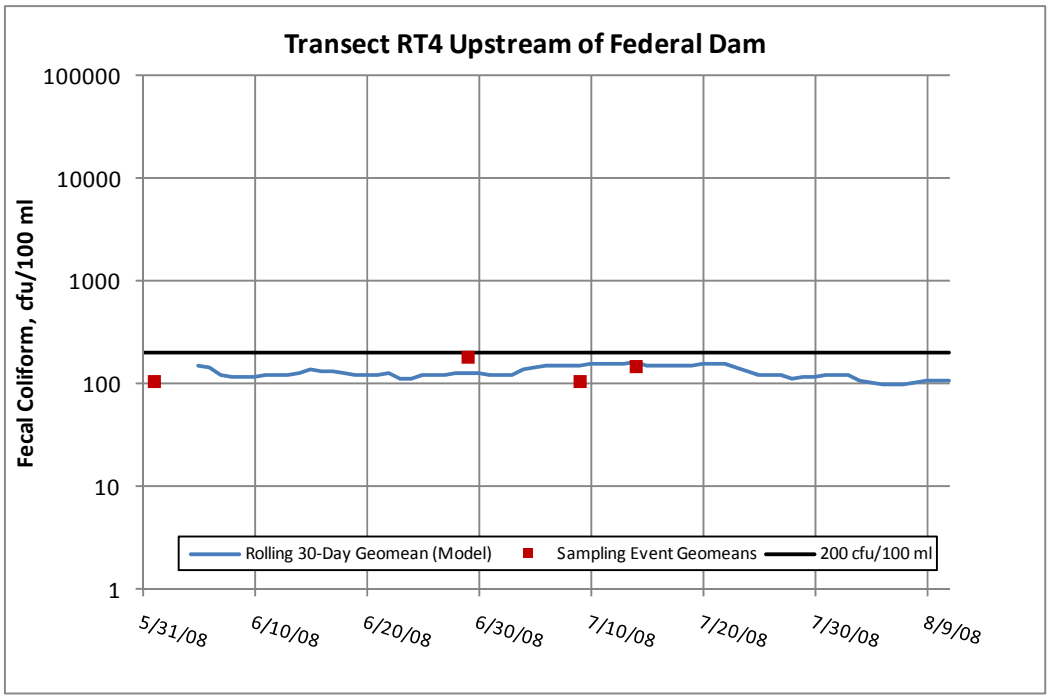

Figure H-1B. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Daily Average Values) Hudson River Bacteria Concentrations Upstream of Federal Dam

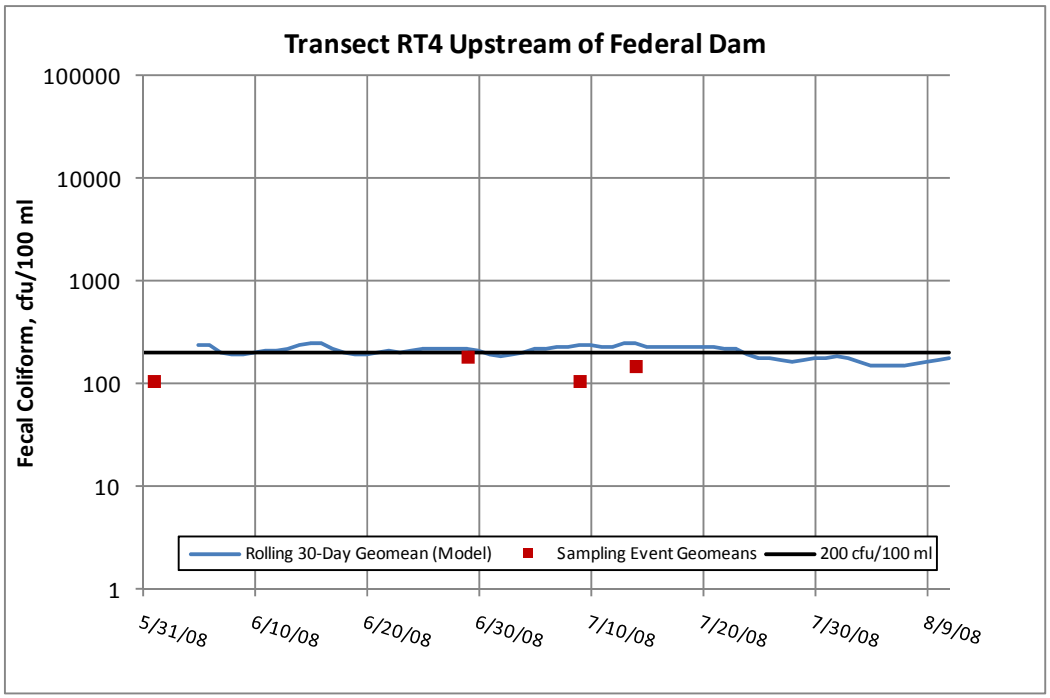

Figure H-2A. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Noon Values) Hudson River Bacteria Concentrations Downstream of Federal Dam

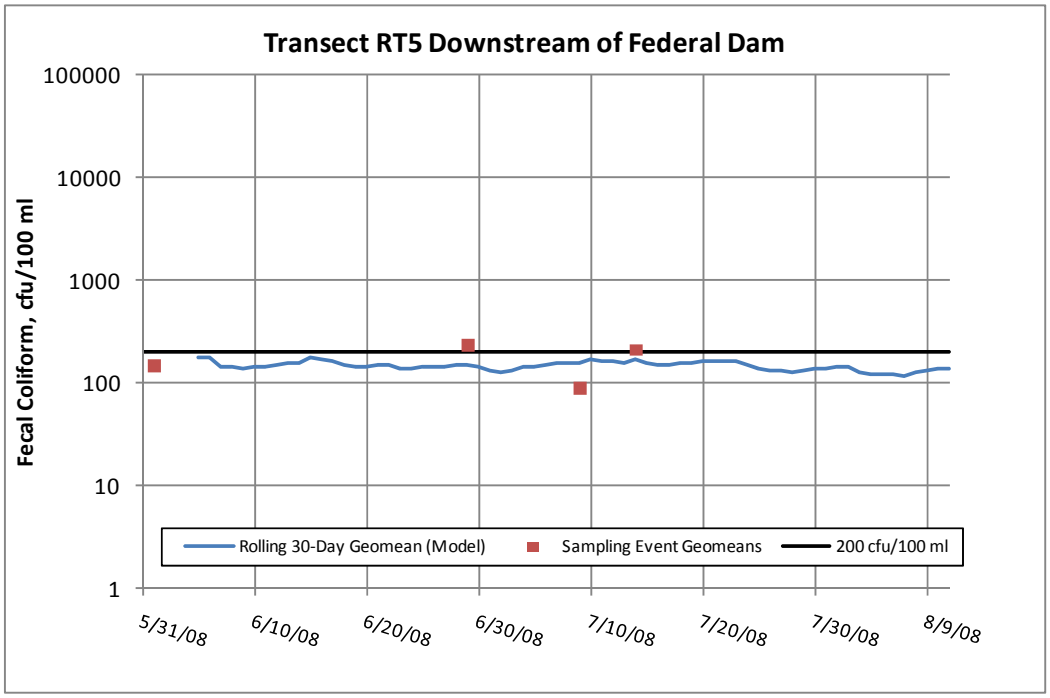

Figure H-2B. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Daily Average Values) Hudson River Bacteria Concentrations Downstream of Federal Dam

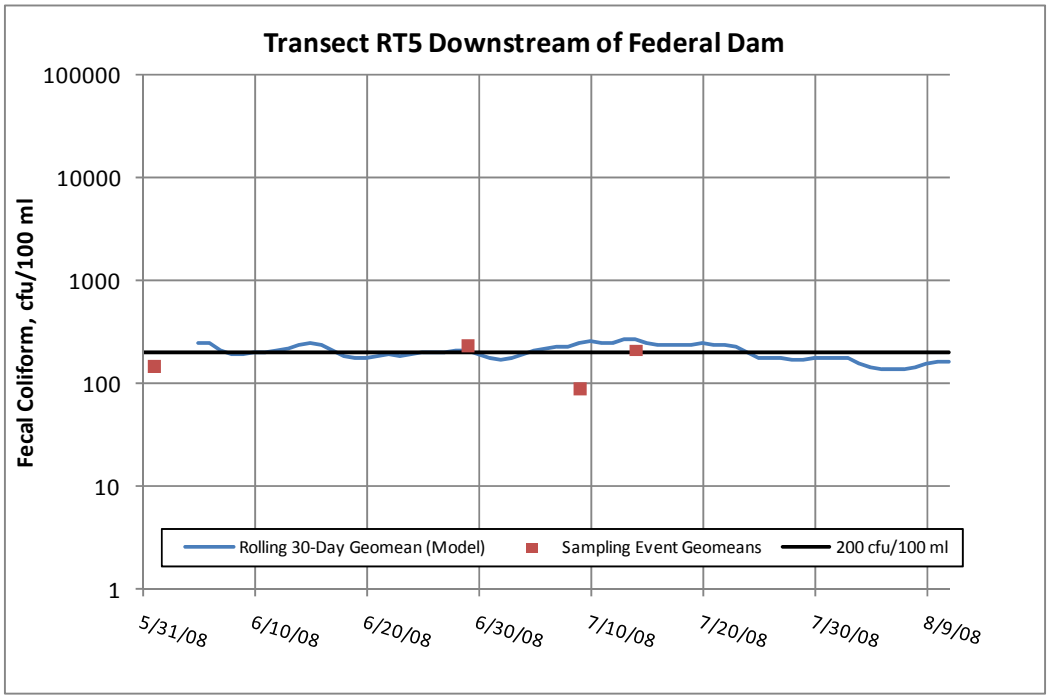

Figure H-3A. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Noon Values) Hudson River Bacteria Concentrations at Route 378 Bridge

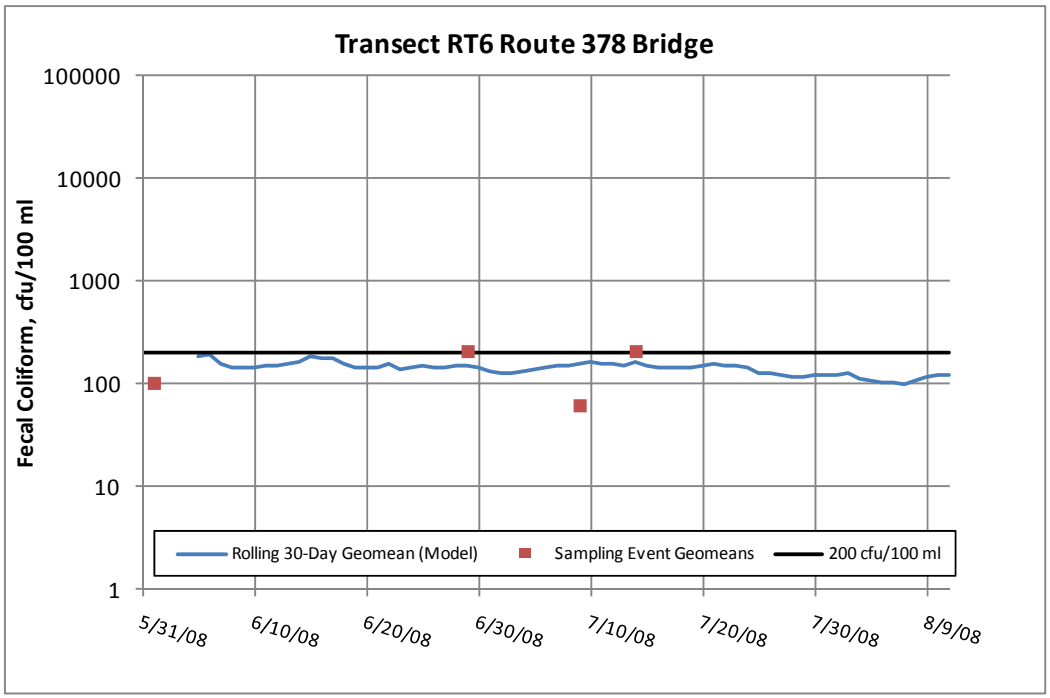

Figure H-3B. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Daily Average Values) Hudson River Bacteria Concentrations at Route 378 Bridge

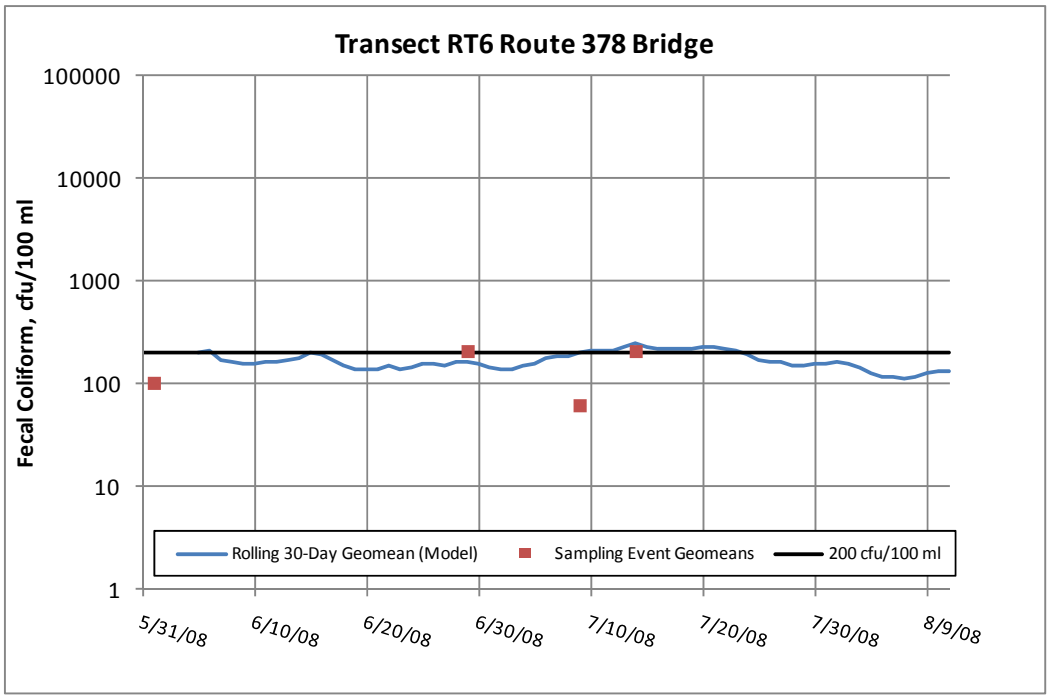

Figure H-4A. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Noon Values) Hudson River Bacteria Concentrations at I-90 Bridge

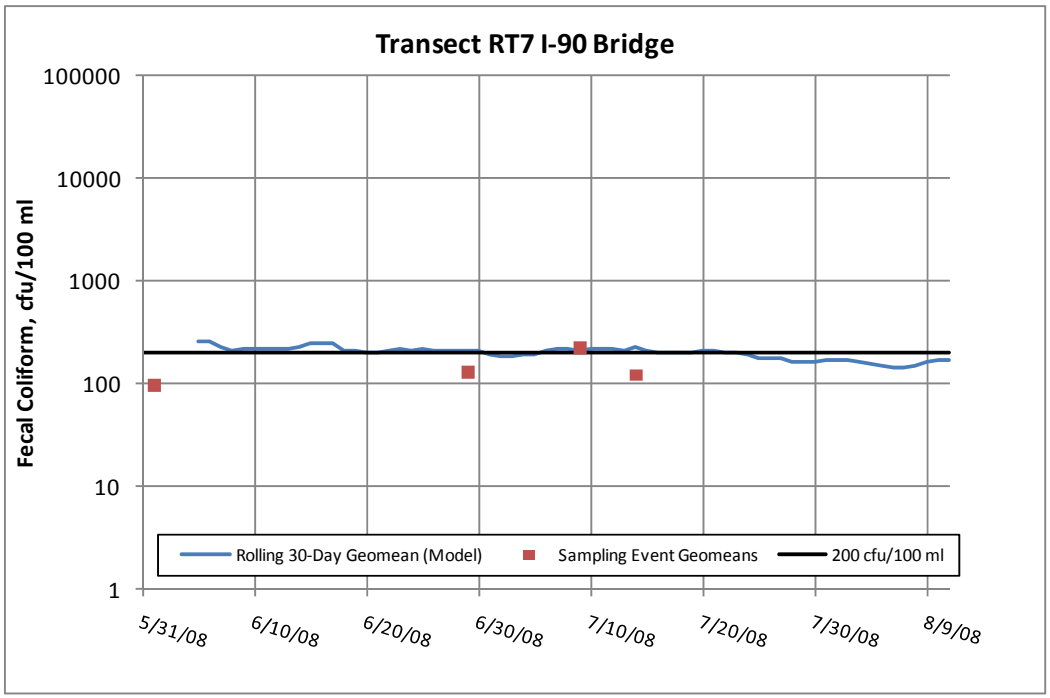

Figure H-4B. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Daily Average Values) Hudson River Bacteria Concentrations at I-90 Bridge

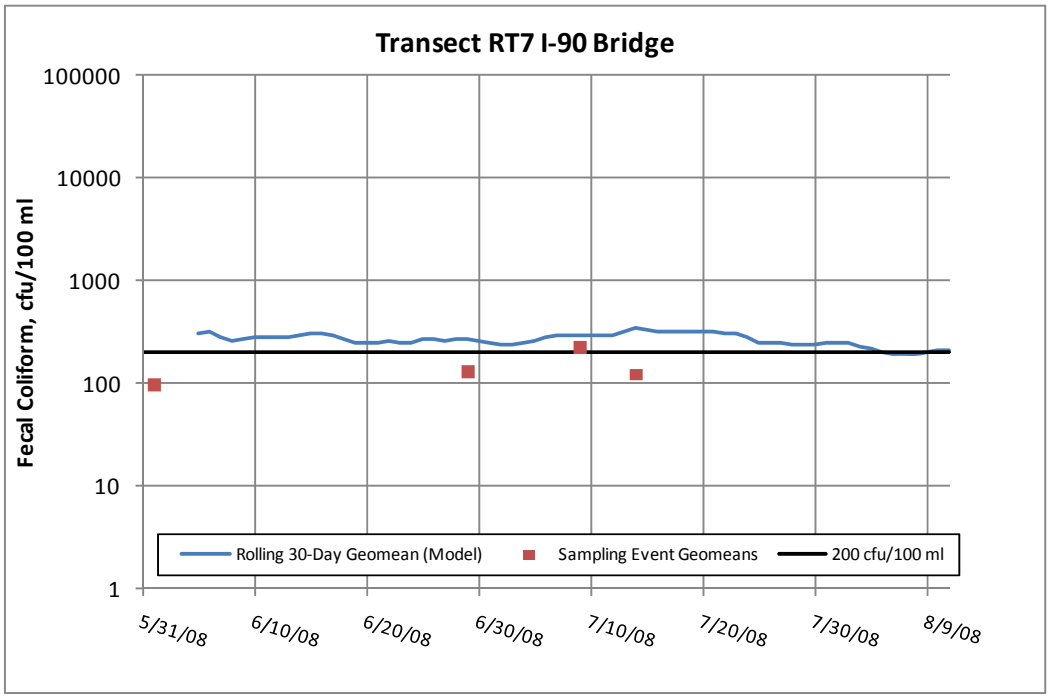

Figure H-5A. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Noon Values) Hudson River Bacteria Concentrations at Dunn Memorial Bridge

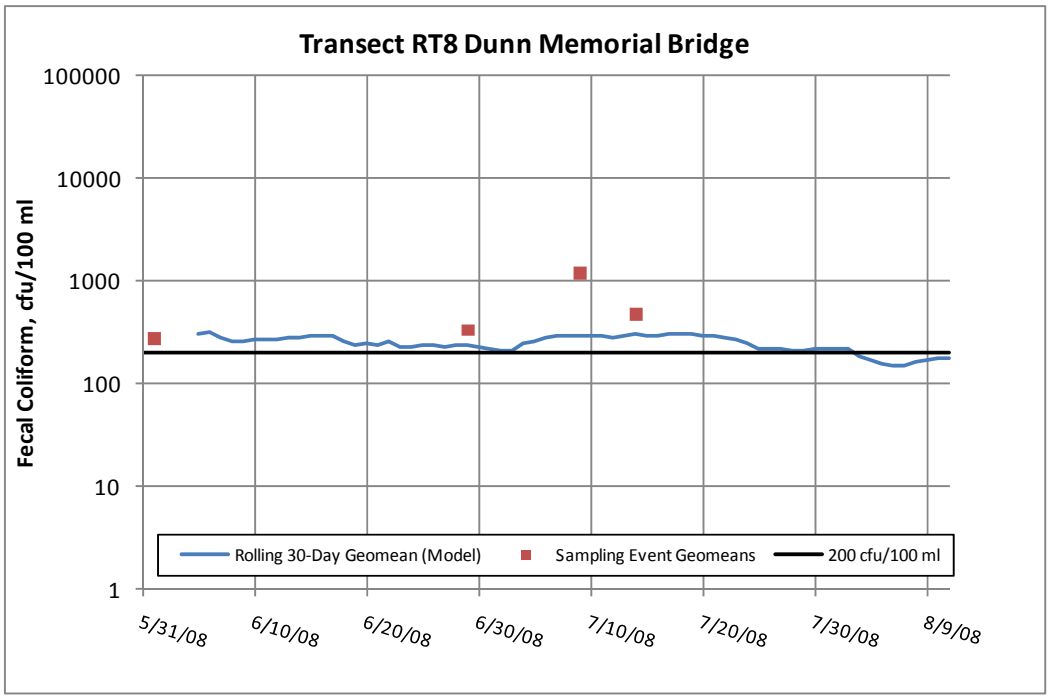

Figure H-5B. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Daily Average Values) Hudson River Bacteria Concentrations at Dunn Memorial Bridge

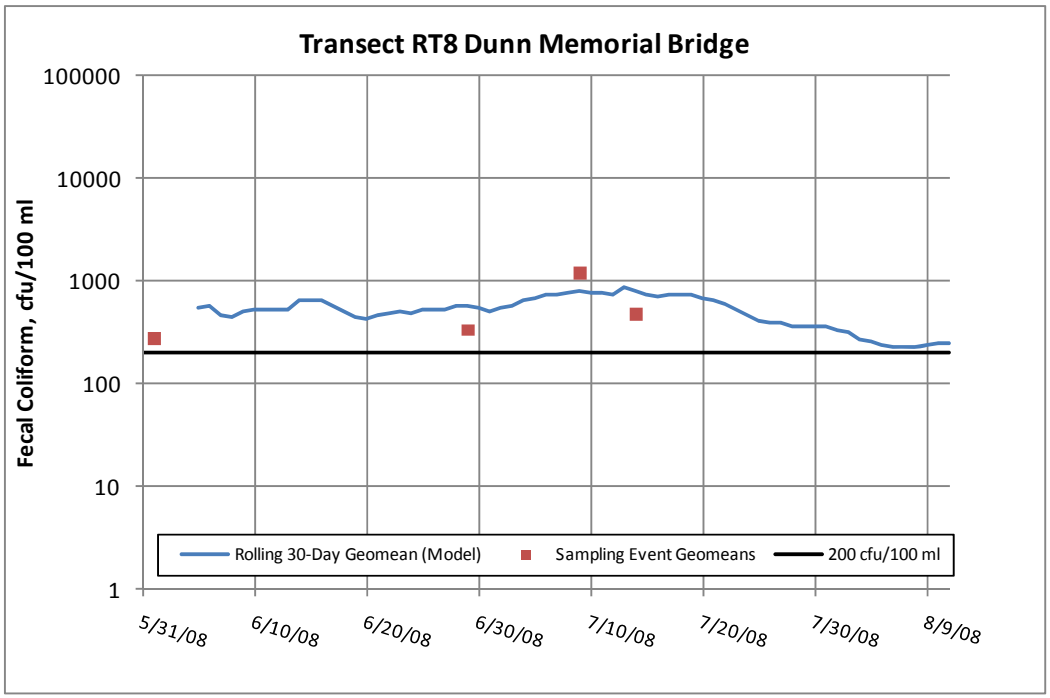

Figure H-6A. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Noon Values) Hudson River Bacteria Concentrations at Albany Port

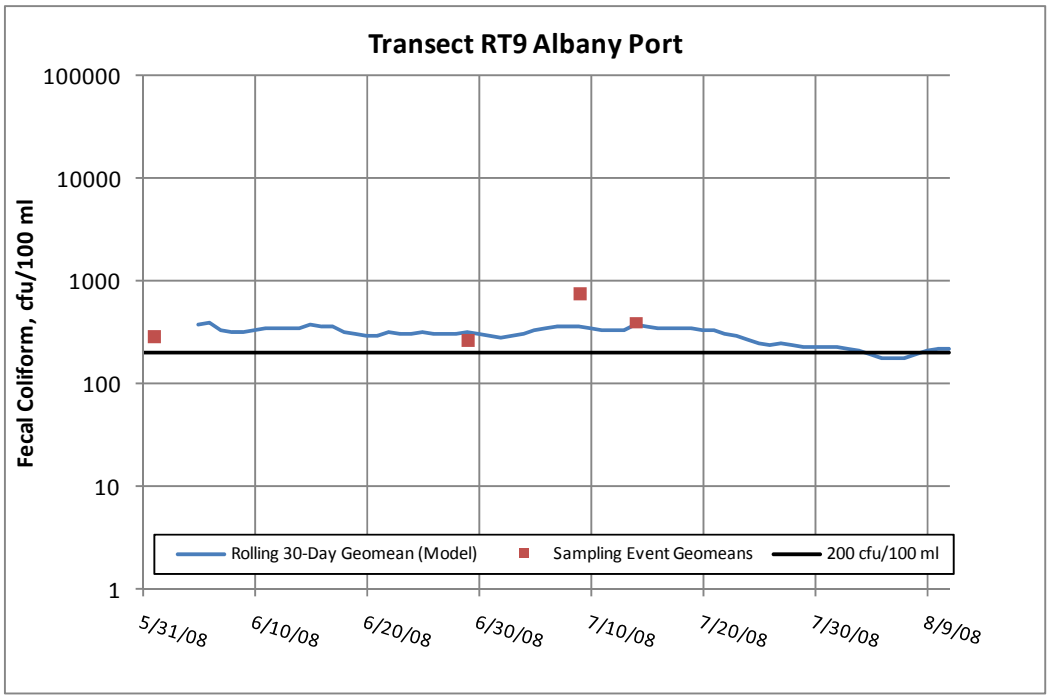

Figure H-6B. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Daily Average Values) Hudson River Bacteria Concentrations at Albany Port

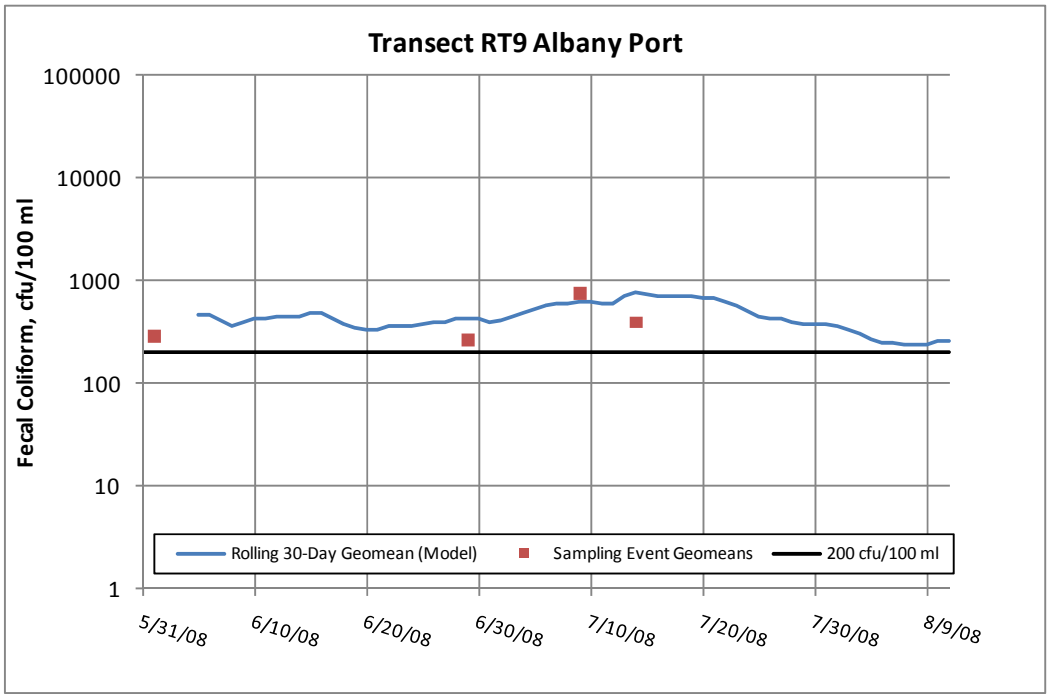

Figure H-7A. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Noon Values) Hudson River Bacteria Concentrations at East Greenbush/Schodack

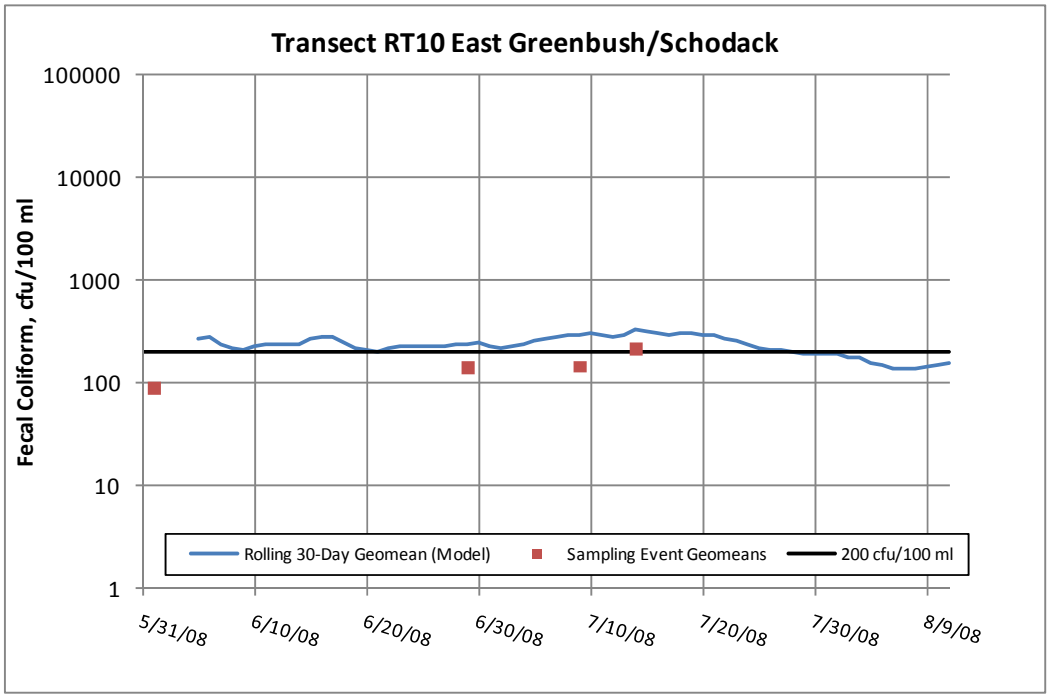

Figure H-7B. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Daily Average Values) Hudson River Bacteria Concentrations at East Greenbush/Schodack

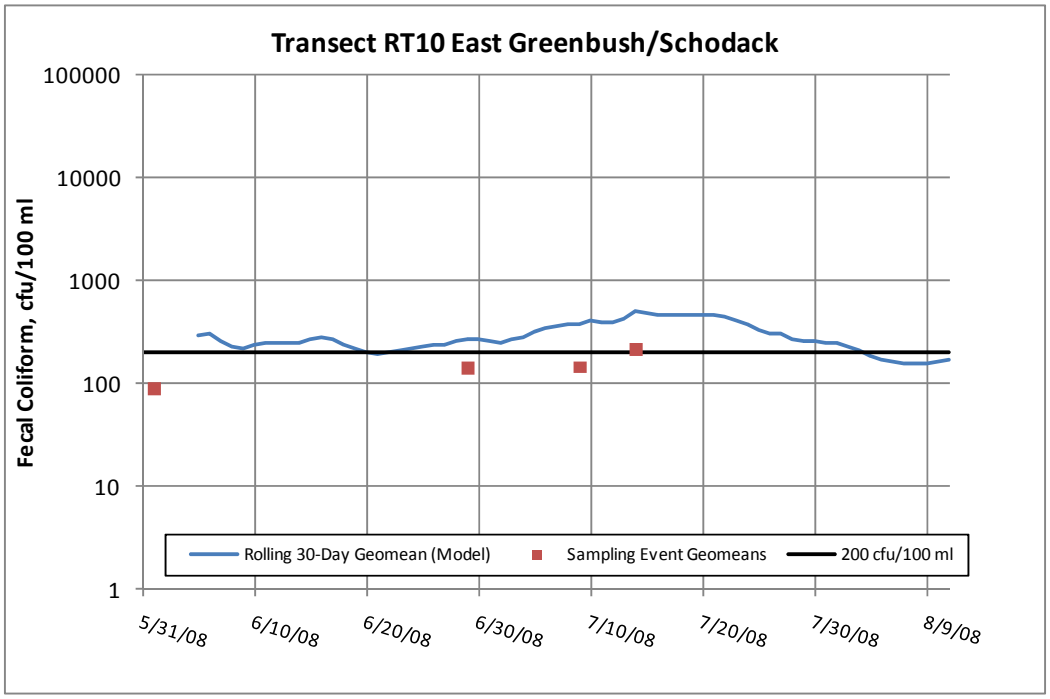

Figure H-8A. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Noon Values) Hudson River Bacteria Concentrations at Henry Hudson Park

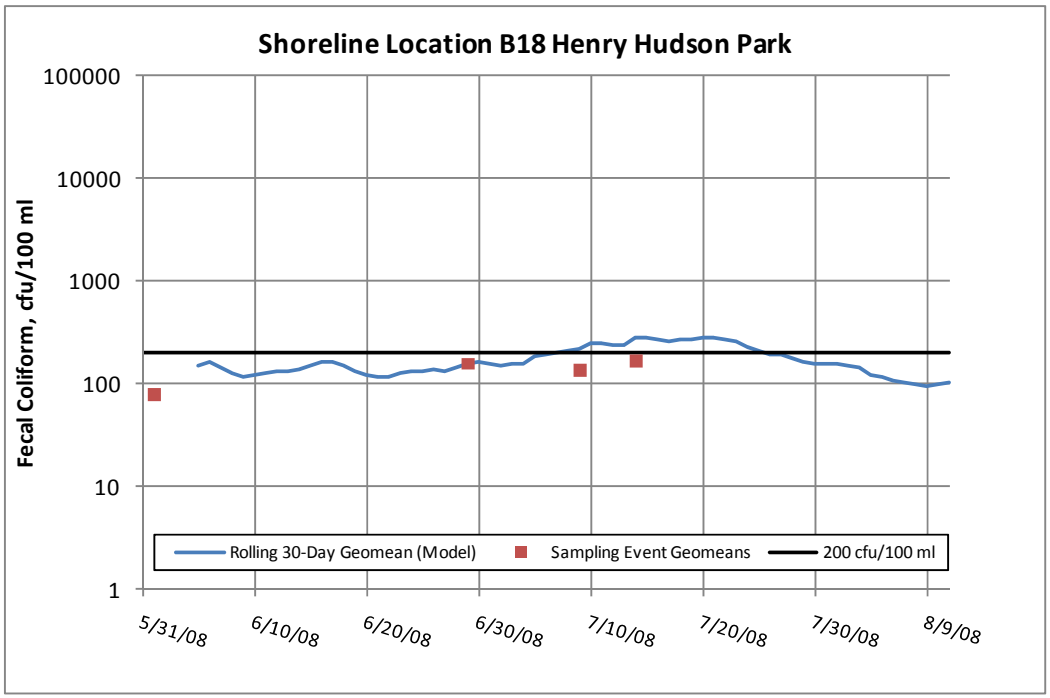

Figure H-8B. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Daily Average Values) Hudson River Bacteria Concentrations at Henry Hudson Park

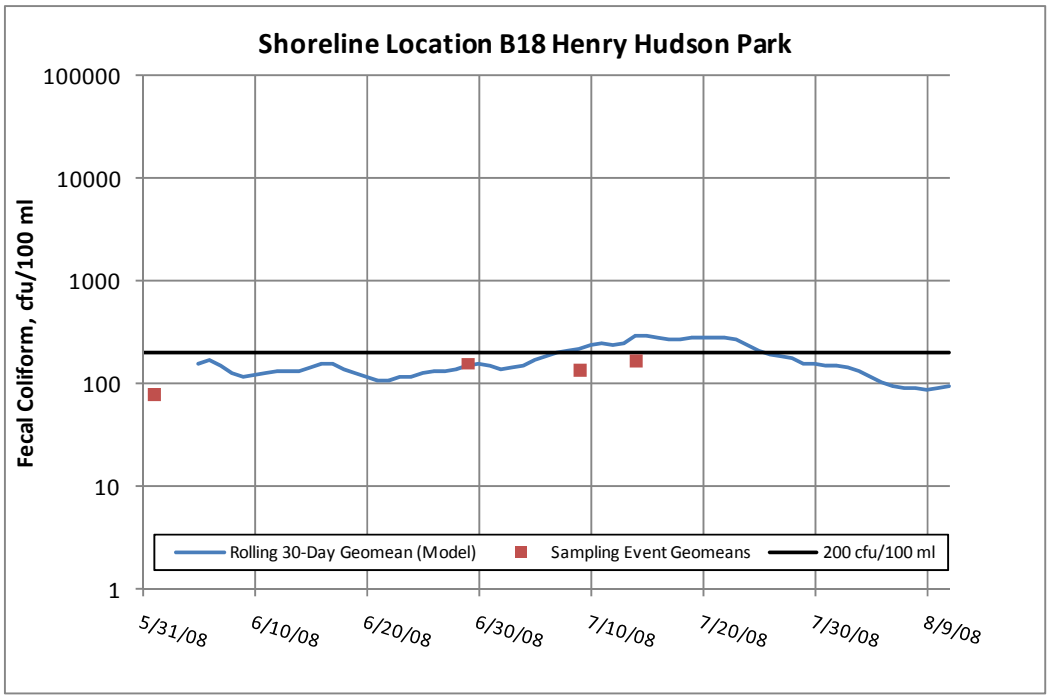

Figure H-9A. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Noon Values) Hudson River Bacteria Concentrations at Schodack Island

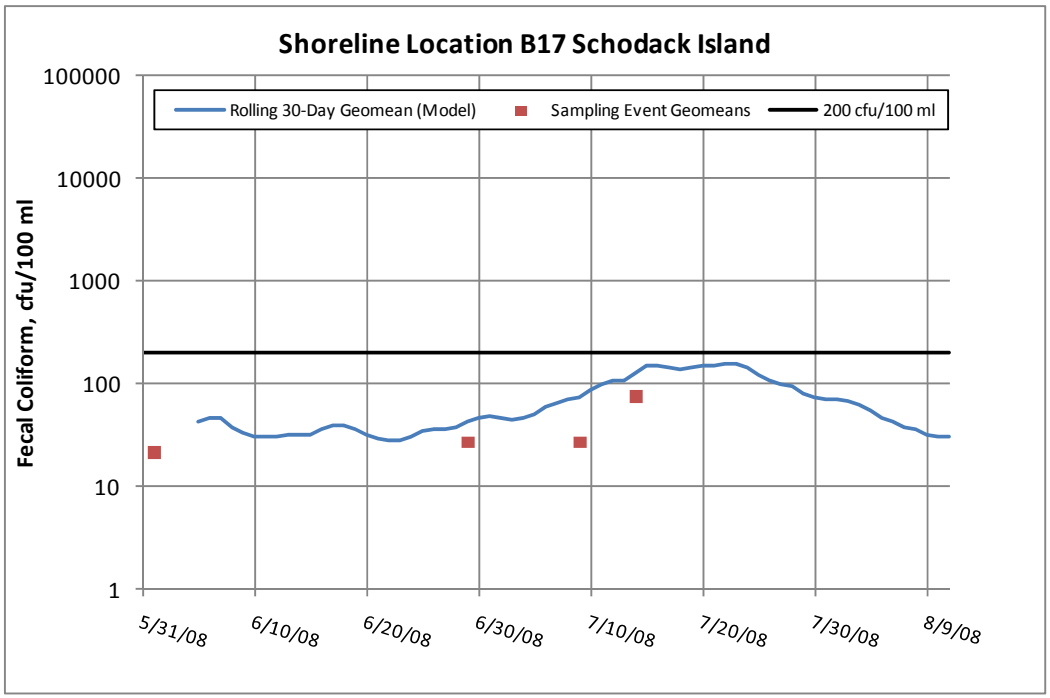

Figure H-9B. Sampling Event Geomean and Modeled Rolling 30-Day Geomean (Daily Average Values) Hudson River Bacteria Concentrations at Schodack Island