

# QUARTERLY OPERATIONS REPORT

DISTRICT OF COLUMBIA

COMBINED SEWER OVERFLOW FACILITIES

FIRST QUARTER, 2021

Prepared By:

D.C. Water and Sewer Authority  
Department of Sewer Operations  
2<sup>nd</sup> & N Streets, SE  
Washington, D.C. 20003



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

**Monthly Operations Report For  
*Combined Sewer System***

**Month: January 2021**

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WATER AND SEWER AUTHORITY  
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*Monthly Operations Report for Combined Sewer System*  
*Month: January 2021*  
**Table of Contents**

- 1. INTRODUCTION**
- 2. OPERATION AND MAINTENANCE**
  - 2.1 Regulators
  - 2.2 Outfalls, Tide Gates and CSO Signs
  - 2.3 Pumping Stations
  - 2.4 Inflatable Dams and SCADA Systems
- 3. DRY WEATHER OVERFLOWS**
- 4. SOLIDS AND FLOATABLES CONTROL**
  - 4.1 Catch Basin Cleaning
  - 4.2 BMP Demonstration for Solid and Floatable Control
  - 4.3 Anacostia River Floating Debris Removal Program
  - 4.4 CSS Litter Control
- 5. MONITORING**
  - 5.1 Bar Racks at Main & O Street
  - 5.2 Rainfall Data
  - 5.3 Wet Weather Overflows

## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (DC Water) operates a wastewater collection system comprised of separate and combined sewers. Separate storm and sanitary sewers serve two-thirds of the District. In the combined sewer system (CSS), there is a single sewer to convey storm water and sanitary wastes. The area served by combined sewers comprises about one-third of the District.

During dry weather, sanitary wastes collected in the CSS are conveyed to the DC Water’s advanced wastewater treatment plant at Blue Plains (BPAWWTP or the Blue Plains AWWTP). During periods of rainfall, the capacity of a combined sewer may be exceeded and the excess flow, which is a mixture of storm water and sanitary wastes, is discharged directly to the Anacostia River, Rock Creek or the Potomac River or their tributary waters. This report summarizes the operations of the combined sewer system for the month indicated.

## 2. OPERATION AND MAINTENANCE

### 2.1 Regulators

Regulators divert combined sewage to interceptors, which convey flow to BPAWWTP for treatment. When flows exceed the capacities of the systems such as during significant rain events, regulators divert excess flow to the tunnel system for temporary storage, and CSO outfalls which discharge to receiving waters. The following table summarizes inspections of CSO regulators in the collection system.

**Table 2-1  
Regulator Structures**

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 2 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 4 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 5 <sup>1</sup>   | Poplar Point Pumping Station   | 004                      | N/A            |           |            |             |                |
| 6                | Chicago Street and Railroad Ave, SE                                      | 005                      | 01/07/21       | *         |            |             |                |
| 7                | W Street and Railroad Ave, SE  | 005                      | 01/07/21       | *         |            |             |                |
| 8 <sup>1</sup>   | Good Hope Rd, west of Nichols Ave, SE                                    | 006                      | N/A            |           |            |             |                |
| 9                | 13 <sup>th</sup> Street and Ridge Place, SE (Diversion Structure)        | 007                      | 01/07/21       | *         |            |             |                |
| 9a               | 13 <sup>th</sup> Street and Ridge Place, SE (Regulator Structure)        | 007                      | 01/07/21       | *         |            |             |                |
| 9b               | 11 <sup>th</sup> Street Bridge and DC 295 SB (CSO-007 Diversion Chamber) | 007                      | 01/07/21       | *         |            |             |                |
| 11               | "O" Street Pumping Station   | 011(a)                   | 01/27/21       | *         |            |             |                |
| 12               | Storm Pump Discharge at Main Pumping Station                             | 011                      | 01/05/21       | *         |            |             |                |
| 13               | 2 <sup>nd</sup> Street, 300 ft. north of N Place, SE                     | 009                      | 01/14/21       | *         |            |             |                |
| 14               | 2 <sup>nd</sup> Street, 250 ft. north of N Place, SE                     | 011(a)                   | 01/14/21       | *         |            |             |                |
| 15               | South Capitol and E Streets  | 010                      | 01/14/21       | *         |            |             |                |
| 15a              | Half and L Streets, SE   | 010                      | 01/14/21       | *         |            |             |                |
| 15b              | South Capitol and I Streets  | 010                      | 01/27/21       | *         |            |             |                |
| 15c              | South Capitol and I Streets  | 010                      | 01/27/21       | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 16               | North of Main Sewage Pumping Station  | 012                      | 01/14/21       | *         |            |             |                |
| 17               | 4 <sup>th</sup> and N Streets, SE, Both Extended  | 013                      | 01/07/21       | *         |            |             |                |
| 17a              | K Street between 6 <sup>th</sup> Street and 7 <sup>th</sup> Street, SE (Side Overflow Weir) | 013                      | 01/15/21       | *         |            |             |                |
| 17b              | 4 <sup>th</sup> and N Streets, SE, Both Extended (CSO-013 Diversion Chamber)                | 013                      | 01/28/21       | *         |            |             |                |
| 18               | 6 <sup>th</sup> and M Streets, SE (Diversion and Overflow Structure)                        | 014                      | 01/07/21       | *         |            |             |                |
| 18a              | Tingey Street SE and 5 1 / 2 Street SE (CSO-014 Diversion Chamber)                          | 014                      | 01/07/21       | *         |            |             |                |
| 19               | 9 <sup>th</sup> and M Streets, SE   | 015                      | 01/06/21       | *         |            |             |                |
| 19a              | 9 <sup>th</sup> and M Streets, SE   | 015                      | 01/06/21       | *         |            |             |                |
| 19b              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 01/06/21       | *         |            |             |                |
| 19c              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 01/06/21       | *         |            |             |                |
| 20               | 12 <sup>th</sup> and M Streets, SE  | 016                      | 01/06/21       | *         |            |             |                |
| 20a              | 12 <sup>th</sup> and M Streets, SE  | 016                      | 01/06/21       | *         |            |             |                |
| 20b              | 12 <sup>th</sup> and M Streets, SE (CSO-016 Diversion Chamber)                              | 016                      | 01/06/21       | *         |            |             |                |
| 21               | 14 <sup>th</sup> and M Streets, SE  | 017                      | 01/06/21       | *         |            |             |                |
| 21a              | 14 <sup>th</sup> and M Streets, SE (CSO-017 Diversion Chamber)                              | 017                      | 01/06/21       | *         |            |             |                |
| 22a              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 01/05/21       | *         |            |             |                |
| 22b              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 01/05/21       | *         |            |             |                |
| 22c              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 01/05/21       | *         |            |             |                |
| 22d              | Kentucky Ave and Potomac Street, SE   | 018                      | 01/05/21       | *         |            |             |                |
| 22e              | 14 <sup>th</sup> Street and Kentucky Ave, SE  | 018                      | 01/05/21       | *         |            |             |                |
| 23               | Independence Ave, 21 <sup>st</sup> Street, SE, Extended                                     | 019                      | 01/05/21       | *         |            |             |                |
| 24a              | East Capitol St, west of RFK stadium  | 019                      | 01/05/21       | *         |            |             |                |
| 28               | 21 <sup>st</sup> and Constitution Ave, NW   | 020                      | 01/11/21       | *         |            |             |                |
| 29               | 22 <sup>nd</sup> Street, between Constitution Ave and C St, NW                              | 020                      | 01/11/21       | *         |            |             |                |
| 30               | 17 <sup>th</sup> and D Streets, NW  | 020                      | 01/11/21       | *         |            |             |                |
| 31               | 15 <sup>th</sup> Street and Pennsylvania Ave, NW  | 020                      | 01/11/21       | *         |            |             |                |
| 33               | 10 <sup>th</sup> and F Streets, NW  | 020                      | 01/11/21       | *         |            |             |                |
| 34               | 23 <sup>rd</sup> Street, north of Constitution Ave, NW                                      | 020                      | 01/14/21       | *         |            |             |                |
| 34a              | 23 <sup>rd</sup> Street near C Street, NW   | 020                      | 01/11/21       | *         |            |             |                |
| 35               | Northeast of Roosevelt Bridge, NW   | 021                      | 01/14/21       | *         |            |             |                |
| 35c              | Kennedy Center Rock Creek and Potomac Pkwy Northeast of Roosevelt Bridge, NW                | 021                      | 01/14/21       | *         |            |             |                |
| 36               | 27 <sup>th</sup> and I Streets, NW  | 022                      | 01/11/21       | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 36a              | New Hampshire Ave and Eye Street, NW                               | 022                      | 01/11/21       | *         |            |             |                |
| 36b              | 19 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 01/25/21       | *         |            |             |                |
| 36d              | 17 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 01/25/21       | *         |            |             |                |
| 36g              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 01/25/21       | *         |            |             |                |
| 36h              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 01/25/21       | *         |            |             |                |
| 37               | 27 <sup>th</sup> and Eye Streets, NW                               | 022                      | 01/11/21       | *         |            |             |                |
| 38               | 29 <sup>th</sup> and K Streets, NW                                 | 024                      | 01/04/21       | *         |            |             |                |
| 38a              | 30 <sup>th</sup> Street, south of K Street, NW                     | 024                      | 01/04/21       | *         |            |             |                |
| 39a              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 01/04/21       | *         |            |             |                |
| 39b              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 01/04/21       | *         |            |             |                |
| 41b              | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | 01/04/21       | *         |            |             |                |
| 41c              | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | 01/04/21       | *         |            |             |                |
| 42               | Wisconsin Ave and K Street, NW                                     | 026                      | 01/04/21       | *         |            |             |                |
| 43               | Potomac and Water Streets, NW                                      | 027                      | 01/04/21       | *         |            |             |                |
| 43a              | Potomac and Water Streets, NW                                      | 027                      | 01/04/21       | *         |            |             |                |
| 44               | Water Street, west of Potomac St, NW                               | 027                      | 01/04/21       | *         |            |             |                |
| 45               | 36 <sup>th</sup> and M Streets, NW                                 | 028                      | 01/25/21       | *         |            |             |                |
| 46               | Canal Rd, 1000ft. east of Foxhall Rd, NW                           | 029                      | 01/25/21       | *         |            |             |                |
| 47               | 38 <sup>th</sup> Street and Reservoir Road, NW                     | 029                      | 01/25/21       | *         |            |             |                |
| 47a              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 01/25/21       | *         |            |             |                |
| 47b              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 01/25/21       | *         |            |             |                |
| 47c              | 38 <sup>th</sup> and W Streets, NW                                 | 029                      | 01/25/21       | *         |            |             |                |
| 49 <sup>l</sup>  | Pennsylvania Ave, east side of Rock Creek, NW                      | 031                      | N/A            |           |            |             |                |
| 50               | 26 and M Streets, NW   | 032                      | 01/28/21       | *         |            |             |                |
| 51               | N Street Extended, west of 25 <sup>th</sup> Street, NW             | 033                      | 01/28/21       | *         |            |             |                |
| 52               | 22 <sup>nd</sup> Street between M and N Streets, NW                | 034                      | 01/28/21       | *         |            |             |                |
| 52a              | N Street between 22 <sup>nd</sup> and 23 <sup>rd</sup> Streets, NW | 034                      | 01/28/21       | *         |            |             |                |
| 53               | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 01/28/21       | *         |            |             |                |
| 53a              | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 01/28/21       | *         |            |             |                |
| 53b              | L Street between 21 <sup>st</sup> Street and New Hampshire Ave, NW | 022, 034                 | 01/28/21       | *         |            |             |                |
| 53c              | L and 22 <sup>nd</sup> Streets, NW                                 | 022                      | 01/28/21       | *         |            |             |                |
| 54               | 23 <sup>rd</sup> and O Streets, NW                                 | 034                      | 01/12/21       | *         |            |             |                |
| 55               | 22 <sup>nd</sup> Street, south of Q Street, NW                     | 035                      | 01/12/21       | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 55a              | 22 <sup>nd</sup> Street, south of Q Street, NW                                   | 035                      | 01/12/21       | *         |            |             |                |
| 56               | 23 <sup>rd</sup> and Massachusetts Ave, NW                                       | 036                      | 01/12/21       | *         |            |             |                |
| 57               | 23 <sup>rd</sup> Street, south of Q Street, NW                                   | 036                      | 01/12/21       | *         |            |             |                |
| 58 <sup>l</sup>  | Northwest of Belmont Road and Rock Creek and Potomac Parkway, NW                 | 037                      | N/A            |           |            |             |                |
| 59               | North of Belmont Rd, east of Kalorama Cir, NW                                    | 038                      | 01/11/21       | *         |            |             |                |
| 60               | Connecticut Ave, east of Rock Creek, NW  | 039                      | 01/11/21       | *         |            |             |                |
| 61               | Biltmore St, Extended, east of Rock Creek, NW                                    | 040                      | 01/11/21       | *         |            |             |                |
| 62               | Ontario Rd, Extended, and Rock Creek Pkwy, NW                                    | 041                      | 01/13/21       | *         |            |             |                |
| 63               | Harvard Street and Rock Creek Parkway, NW  | 042                      | 01/13/21       | *         |            |             |                |
| 64               | Adams Mill Road, south of Irving Street, NW                                      | 043                      | 01/13/21       | *         |            |             |                |
| 65               | Kenyon Street and Adams Mill Road, NW  | 044                      | 01/13/21       | *         |            |             |                |
| 65a              | Kenyon Street and Adams Mill Road, NW  | 044                      | 01/13/21       | *         |            |             |                |
| 66               | Adams Mill Road and Lamont Street, NW  | 045                      | 01/13/21       | *         |            |             |                |
| 67               | Park Rd , south of Piney Branch Pkwy, NW   | 046                      | 01/13/21       | *         |            |             |                |
| 68               | Ingleside Terrance, Extended and Piney Branch Parkway, NW                        | 047                      | 01/13/21       | *         |            |             |                |
| 69               | Mt. Pleasant Street, Extended and Piney Branch Parkway, NW                       | 048                      | 01/13/21       | *         |            |             |                |
| 70               | Piney Branch Parkway, west of 16 <sup>th</sup> Street, NW                        | 049                      | 01/13/21       | *         |            |             |                |
| 70i              | 5 <sup>th</sup> and Quackenbos Streets, NW                                       | 049                      | 01/05/21       | *         |            |             |                |
| 71               | 28 <sup>th</sup> Street, west of Rock Creek Parkway, NW                          | 050                      | 01/25/21       | *         |            |             |                |
| 72               | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 01/12/21       | *         |            |             |                |
| 72a              | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 01/12/21       | *         |            |             |                |
| 73               | O Street Extended and Rock Creek Parkway, NW                                     | 052                      | 01/12/21       | *         |            |             |                |
| 74 <sup>l</sup>  | Q Street, west of Rock Creek, NW   | 053                      | N/A            |           |            |             |                |
| 75               | West side of Rock Creek, 300 ft. south of Massachusetts Ave, NW                  | 054                      | 01/25/21       | *         |            |             |                |
| 77               | Normanstone Dr Extended, west of Rock Creek, NW                                  | 056                      | 01/25/21       | *         |            |             |                |
| 77a              | Normanstone Dr and Normanstone Lane, NW  | 056                      | 01/25/21       | *         |            |             |                |
| 78 <sup>l</sup>  | 28th Street Extended, west of Rock Creek, NW                                     | 057                      | N/A            |           |            |             |                |
| 79 <sup>l</sup>  | Connecticut Ave and Rock Creek Parkway, NW                                       | 058                      | N/A            |           |            |             |                |
| 84               | 26 <sup>th</sup> and P Streets, NW   | 060                      | 01/12/21       | *         |            |             |                |
| 84a              | 26 <sup>th</sup> and P Streets, NW   | 060                      | 01/12/21       | *         |            |             |                |
| 86               | Diversion Chamber and Vortex Drop at First and Channing St, NW (First St Tunnel) | 019                      | 01/14/21       | *         |            |             |                |
| 88               | Flagler and Adams St. NW (First St Tunnel)                                       | 019                      | 01/14/21       | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 89               | First and V St, NW (First St Tunnel)  | 019                      | 01/14/21       | *         |            |             |                |
| 90               | First and V St, NW (First St Tunnel)  | 019                      | 01/14/21       | *         |            |             |                |
| 91               | First and V St, NW (First St Tunnel)  | 019                      | 01/14/21       | *         |            |             |                |
| 92               | CSO 019 Diversion Near Eastside PS (Anacostia River Tunnel)   | 019                      | 01/08/21       | *         |            |             |                |
| 93               | CSO 018 Diversion Near Barney Circle (Anacostia River Tunnel)   | 018                      | 01/08/21       | *         |            |             |                |
| 95               | M Street Approach Channel M and Water St SE (Anacostia River Tunnel)                                      | 015, 016, 017            | 01/06/21       | *         |            |             |                |
| 96               | CSO 007 Shaft at 11 <sup>th</sup> St Bridge and DC I-295 SB Diversion Facilities (Anacostia River Tunnel) | 007                      | 01/08/21       | *         |            |             |                |
| 97               | CSO 005 Diversion at Chicago St Trunk Sewer, I295 SB (Anacostia River Tunnel)                             | 005                      | 01/08/21       | *         |            |             |                |
| 98               | Main Pumping Station Diversions (Anacostia River Tunnel)  | 009 - 012                | 01/28/21       | *         |            |             |                |
| 99               | CSO 009 and 011a Diversion Facilities (Anacostia River Tunnel)  | 009, 011a                | 01/14/21       | *         |            |             |                |
| 100              | CSO 012 Diversion Facilities (Anacostia River Tunnel)   | 012                      | 01/14/21       | *         |            |             |                |
| 101              | Main Outfall Sewer Diversion Chamber (Anacostia River Tunnel)   | N/A                      | 01/08/21       | *         |            |             |                |
| 102              | Anacostia Main Interceptor Diversion Chamber  | N/A                      | 01/08/21       | *         |            |             |                |
| 103              | Poplar Point PS Emergency Overflow Chamber (Anacostia River Tunnel)                                       | N/A                      | 01/08/21       | *         |            |             |                |
| 104              | Poplar Point PS Discharge Chamber   | N/A                      | 01/08/21       | *         |            |             |                |
| 105              | Potomac Outfall Sewer Diversion Chamber (Anacostia River Tunnel)  | 003A                     | 01/08/21       | *         |            |             |                |

Notes:

1. Noted structures no longer function as a combined sewer overflow regulator structure.

## 2.2 Outfalls, Tide Gates and CSO Signs

The following table summarizes inspections, maintenance and work performed on outfall structures, tide gates and CSO signs in the collection system.

**Table 2-2  
Outfalls and Tide Gates**

| NPDES Outfall | Location | Date Inspected | Outfall Condition |            | Tide Gate Present? |    | Tide Gate Condition |            | CSO Sign |            | Notes, Work Needed or Performed |
|---------------|----------|----------------|-------------------|------------|--------------------|----|---------------------|------------|----------|------------|---------------------------------|
|               |          |                | OK                | Needs Work | Yes                | No | OK                  | Needs Work | OK       | Needs Work |                                 |

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 003 <sup>1</sup> | Bolling Air Force Base, at Giavanolli and Chanute, SW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 003a             | Joint Base Anacostia Bolling Macdill and Arnold Ave SW  | 01/08/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 005              | Across from Navy Yard, aligned with Parsons Ave., SE  | 01/27/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 006 <sup>1</sup> | Good Hope Road and Welsh Memorial Bridge  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 007              | Between 11 <sup>th</sup> St. and Anacostia Bridges, SE  | 01/27/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 009              | O St. Sewage Pumping Station, SE  | 01/15/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 010              | O St. Sewage Pumping Station, SE  | 01/15/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011              | Main Sewage Pumping Station, SE   | 01/15/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011a             | Main Sewage Pumping Station, SE   | 01/15/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 012              | Main Sewage Pumping Station, SE   | 01/15/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 013              | Southeast Federal Center, aligned with 4 <sup>th</sup> St.  | 01/15/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 014              | Navy Yard, aligned with 6 <sup>th</sup> St., SE   | 01/15/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 015              | Navy Yard, aligned with 9th Street, SE  | 01/15/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 016              | 12th and O Streets, SE  | 01/07/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 017              | M and Water Street, SE  | 01/07/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 018              | East of Barney Circle & South of Pennsylvania Avenue Bridge, SE                                     | 01/07/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019              | Adjacent to Service Drive behind swirl facility & D.C. General Hospital                             | 01/08/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019a             | Adjacent to Service Drive behind swirl facility & D.C. General Hospital (Tunnel Overflow Structure) | 01/08/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 020              | Rock Creek Parkway and Independence, NW   | 01/21/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 021              | Rock Creek Parkway and C St., NW  | 01/21/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 022              | Rock Creek Parkway and G St., NW  | 01/21/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 024              | South of 30 <sup>th</sup> and K Streets, NW <sup>1</sup>  | 01/21/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 025              | South of 31st and K Streets, NW   | 01/21/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 026              | Wisconsin Avenue and Water Street, NW   | 01/21/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 027              | 33 <sup>rd</sup> and Water Sts., NW   | 01/21/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 028              | Key Bridge and Whitehurst Freeway, NW   | 01/21/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 029              | Adjacent to C&O Canal, aligned with 38 <sup>th</sup> St. NW   | 01/21/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 031 <sup>1</sup> | Rock Creek Pkwy & Pennsylvania Avenue, NW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 032              | 26th and M Street, NW   | 01/28/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 033              | Across street from St. Francis Jr. High and aligned with N St., NW.                                 | 01/28/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 034              | Just west of St. Francis Jr. High and north of N St., NW  | 01/12/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 035              | P St. Bridge and Rock Creek Parkway   | 01/12/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 036              | 22nd Street, South of Q Street NW.  | 01/27/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 037 <sup>1</sup> | Waterside Dr. and Rock Creek Parkway  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 038              | Between arch footbridge and Connecticut Ave., north of Kalorama Circle, NW. | 01/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 039              | Connecticut Avenue Bridge and Rock Creek Parkway, NW.                       | 01/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 040              | Aligned with Biltmore Rd., between Connecticut Ave and Ellington Bridge.    | 01/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 041              | Beach Dr. and Ontario Pl., NW   | 01/27/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 042              | Harvard St. and Beach Dr NW.  | 01/27/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 043              | Upstream of Harvard St. and Beach Dr NW.                                    | 01/27/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 044              | Kenyon Street and Beach Dr., NW.  | 01/27/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 045              | North of Beach Dr. and Walbridge Pl, NW.                                    | 01/27/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 046              | Piney Branch Parkway and Park Road, NW.                                     | 01/13/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 047              | Piney Branch Parkway and Ingleside Terrace                                  | 01/13/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 048              | South of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 01/31/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 049              | North of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 01/13/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 050              | Rock Creek Parkway and L St., NW  | 01/25/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 051              | Across Rock Creek Pkwy, aligned with Olive St., NW.                         | 01/28/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 052              | Between P & Penna. Ave Bridges, aligned with O Street, NW.                  | 01/28/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 053 <sup>1</sup> | Q St. Bridge and Rock Creek Parkway, NW.                                    | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 054              | Massachusetts Ave & Rock Creek Parkway, NW.                                 | 01/25/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 056              | Normanstone Dr. and Rock Creek Parkway, NW.                                 | 01/25/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 057 <sup>1</sup> | 28th Street and Rock Creek Parkway, NW                                      | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 058 <sup>1</sup> | Connecticut Ave & Rock Creek Parkway, NW.                                   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 060              | North of P St. Bridge & Rock Creek Pkwy, NW                                 | 01/27/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |

Notes:

1. Outfall no longer functions as a combined sewer outfall.

### 2.3.1 Pumping Stations

Pumping station operations are summarized in the table below.

**Table 2-3  
Pumping Stations – Inspections and Equipment in Service**

| <i>Pumping Station</i> | <i>No. of Inspections</i> | <i>No. Screens</i> | <i>No. Pumps</i> | <i>Screens or Pumps Out of Service</i> | <i>Dates</i>      | <i>Reason</i>                                   | <i>Work Order Number</i> | <i>Schedule to Restore to Service</i>  |
|------------------------|---------------------------|--------------------|------------------|--|-------------------|---|--------------------------|--|
| Main                   | 31                        | 3                  | 4                | None                                   | -                 | -   | -                        | -  |
| Eastside               | 1                         | 2                  | 4                | None                                   | -                 | -   | -                        | -  |
| Poplar Point           | 1                         | 2                  | 4                | None                                   | -                 | -   | -                        | -  |
| Potomac                | 31                        | 4                  | 5                | Screen #1                              | 1/01/21 – 1/31/21 | Bent rake and scraper bar, screen is off track. | 20-675279                | Anticipated 2/28/21. The screen has been disconnected for repair. Awaiting parts from manufacturer.  |
|                        |                           |                    |                  | Screen #2                              | 1/01/21 – 1/31/21 | Broken rake, screen is not running.             | 21-121831                | Anticipated 2/12/2021. Parts have been received. Repair is ongoing.  |
|                        |                           |                    |                  | Pump #5                                | 1/01/21 – 1/30/21 | Bearing and vibration issue, pump not running.  | 20-404901                | Returned to service on 1/30/2021. After further visual inspection, additional damage of the impeller welding was found. The impeller and rotating assembly have since been repaired. |

Notes:

1. While two screens were periodically out of service during the month of January 2021, firm pumping capacity was maintained by keeping the screening channel open to allow flow through to the pumps. Debris was manually removed as needed.

**Table 2-4  
Pumping Stations – Preventive Maintenance**

| <i>Pumping Station</i>                   | <i>Date Performed</i> | <i>Type of Preventive Maintenance Performed</i> <sup>1,2</sup> | <i>Work Order Number</i> | <i>Comments</i>   |
|--|-----------------------|--|--------------------------|---|
| Main                                     | 1/15/21               | Group A  | 21-142032                | Add oil, grease bearings and replace packing if needed. |
| O St                                     | 1/16/21               | Group A  | 21-154389                | Add oil, grease bearings and replace packing if needed. |
| Eastside                                 | 1/13/21               | Group A  | 21-150618                | Add oil, grease bearings and replace packing if needed. |
| Poplar Point                             | 1/15/21               | Group A  | 21-146093                | Add oil, grease bearings and replace packing if needed. |
| Potomac                                  | 1/15/21               | Group A  | 21-146079                | Add oil, grease bearings and replace packing if needed. |
| Rock Creek                               | 1/15/21               | Group A  | 21-126400                | Add oil, grease bearings and replace packing if needed. |
| Upper Anacostia                          | 1/12/21               | Group A  | 21-146452                | Add oil, grease bearings and replace packing if needed. |
| Earl Place                               | 1/23/21               | Group A  | 21-109982                | Add oil, grease bearings and replace packing if needed. |
| 1 <sup>st</sup> Street Tunnel Dewatering | 1/29/21               | Group B  | 21-224122                |   |

Notes:

1. Group A consists of:
  - a. Exercise bar screens
  - b. Exercise all sump pumps
  - c. Drain condensation from air compressor storage tank
  - d. Check depth of screening in the screen room and schedule Vactor truck as required
  - e. Check all safety equipment
  - f. Issue work order requests as required
2. Group B consists of:
  - a. Inspect and manually run CSO Pumps
  - b. Generator:
    - i. Inspection operation and test, inspect oil level, inspect coolant level
  - c. MCC:
    - i. Test gas monitoring system
    - ii. Inspect and test level indicators
  - d. Valve Vault
    - i. Lubricate knife gate valve stem and stem nut
    - ii. Flush air and vacuum release valve

**Table 2-5  
Pumping Stations – Pumpage**

| <i>Pumping Station</i>                   | <i>Sanitary Pumpage</i>      |                                      | <i>Screenings Collected (tons)<sup>1</sup></i> | <i>Pumpage of CSO from First Street Tunnel back to Sewer System</i> |                    |
|--|------------------------------|--------------------------------------|--|---|--------------------|
|  | <i>Total Wastewater (mg)</i> | <i>Daily Average Wastewater (mg)</i> |  | <i>Date</i>   | <i>Volume (mg)</i> |
| Main <sup>1,2</sup>                      | 1991.20                      | 64.23                                | N/A  | N/A   | N/A                |
| O St <sup>1,2</sup>                      | 118.10                       | 3.81                                 | N/A  | N/A   | N/A                |
| Eastside                                 | 125.91                       | 4.06                                 | N/A  | N/A   | N/A                |
| Poplar Point                             | 361.55                       | 11.66                                | N/A  | N/A   | N/A                |
| Potomac                                  | 3244.75                      | 104.67                               | N/A  | N/A   | N/A                |
| Rock Creek                               | 96.29                        | 3.11                                 | N/A  | N/A   | N/A                |
| Upper Anacostia                          | 46.43                        | 1.50                                 | N/A  | N/A   | N/A                |
| Earl Place                               | 0.358                        | 0.012                                | N/A  | N/A   | N/A                |
| 1 <sup>st</sup> Street Tunnel Dewatering | N/A                          | N/A                                  | N/A  | 1/10/21<br>1/24/21  | 0.22<br>0.22       |

Notes:

1. Screenings collected from the Main and O Street Pumping Stations are combined from the sanitary flow and combined sewer overflows, due to the design of the screening system that consists of vertical trash racks, with no mechanical cleaning. Therefore, quantification of captured screening materials, specifically from combined sewer overflows, is not feasible.
2. Flow meters have been installed in accordance with NPDES Permit No. DC002199 to record CSO discharges from Main and O Street Pumping Stations. This data is reported via Discharge Monitoring Reports submitted to the EPA on a monthly basis. A summary of metered and modeled CSO discharges is included in Section 5.

## 2.4 Inflatable Dams and SCADA System

DC Water operates and maintains nine inflatable dams at seven different locations. Table 2-6 summarizes the date(s) the inflatable dams were inspected, and their operational status and condition. The inflatable dams consist of multi-ply elastomeric (i.e., “rubber”) fabric dams installed in major overflow conduits within the combined sewer system. The objective of the inflatable dam installation is to increase the effective depth to which the sewage must rise in the combined sewer before overflows occur. The effect of the installation is to retain a greater volume of combined sewage flow resulting from low to moderate intensity storms by maximizing storage within the CSS. During higher intensity storms, when the full carrying capacity of the overflow conduit is required to prevent upstream flooding, the dam is deflated automatically. Inflatable dam operations are summarized below:

**Table 2-6<sup>1</sup>**  
**Inflatable Dams – Inspections and Equipment in Service**

| <i>Inflatable Dam Structure No</i> | <i>Date Inspected</i> | <i>Was Dam Out of Service During the Month?</i> | <i>Dates out of Service</i> | <i>Reason</i>     | <i>Schedule to Restore to Service</i> |
|------------------------------------|-----------------------|---|-----------------------------|-------------------|---------------------------------------|
| 14 - East                          | 1/14/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 14 - West                          | 1/14/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 15                                 | 1/14/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 15A                                | 1/28/21               | <b>Yes</b>                                      | <b>1/30/21</b>              | <b>See Note 2</b> | <b>1/30/21</b>                        |
| 16 - East                          | 1/14/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 16 - West                          | 1/14/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 34                                 | 1/14/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 35                                 | 1/14/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 52                                 | 1/28/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |

Notes:

1. In previous reports, only inflatable dam outages with durations longer than 24 hours were reported in Table 2-6. Short duration outages, which did not result in overflows, were still reported in table 2-7 along with a note to explain that no overflow occurred. Moving forward, all outages will be reported in Table 2-6, and only actual overflow events will be reported in Table 2-7.
2. On 1/30/21, Structure 15A deflated due to a compressor failure which resulted in deflation. This was not an overflow to the river as the upstream levels were significantly lower than the low-level threshold. The compressor belt was repaired the same day and the structure was returned to service in less than 24 hours.

**Table 2-7<sup>1</sup>**  
**Inflatable Dams & SCADA Sites - Wet Weather Operations**

| <i>Inflatable Dam Structure No.</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>Inflatable Dam Operational Status</i> |
|-------------------------------------|---------------------------|--|--|
| 14 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15A                                 | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 16 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 34                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 35                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 52                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
|                                     |                           |  |  |
| <i>Structures on Outfall Sewers</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>N/A</i>                               |
| Outfall Structure 1                 | None                      | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 1A                | None                      | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 2                 | None                      | N/A  |  |
| <i>Outfall Sewer Control Gates</i>  | <i>Operational Status</i> | <i>Position</i>  |  |
| Outfall Sewer Control Gate No.1     | Operational               | Open   |  |
| Outfall Sewer Control Gate No.2     | Operational               | This structure has been bulk headed. Overflows are no longer possible  |  |
| Outfall Sewer Control Gate No.2     | Operational               | This structure has been bulk headed. Overflows are no longer possible  |  |

Notes:

1. In previous reports, all inflatable dam outages were reported in Table 2-7, regardless if an overflow occurred or not. Moving forward, all outages will be reported in Table 2-6, and only actual overflow events will be reported in Table 2-7.

### **3. DRY WEATHER OVERFLOWS**

There was no dry weather combined sewer overflow reported during January 2021.

4. **SOLIDS AND FLOATABLES CONTROL**

4.1 **Catch Basin Cleaning**

The following tables summarize catch basin cleaning in the Anacostia CSO area and in the entire sewer system:

**Table 4-1  
Catch Basin Cleaning**

| Ward                        | Total CBs                | CBs in CSS               | Inspections             |  |   | Cleaning                    |                          |                         |          |                                     |           |
|-----------------------------|--------------------------|--------------------------|-------------------------|--|---|-----------------------------|--------------------------|-------------------------|----------|-------------------------------------|-----------|
|                             |                          |                          | CBs in Anacostia CSS    | Total Anacostia CBs Inspected Once this Year | Total Anacostia CBs Inspected Twice this Year | CBs Cleaned Thru Last Month |                          | CB's Cleaned This Month |          | Total CBs Cleaned This Year to Date |           |
|                             |                          |                          |                         | Total  | In CSS  | Total                       | In CSS                   | Total                   | In CSS   |                                     |           |
| 1                           | 1449                     | 1426                     | 652                     | 0  | 0   | 1377                        | 1345                     | 0                       | 0        | 0                                   | 0         |
| 2                           | 2792                     | 2642                     | 476                     | 0  | 0   | 3003                        | 2617                     | 0                       | 0        | 0                                   | 0         |
| 3                           | 3687                     | 187                      | 0                       | 0  | 0   | 3458                        | 181                      | 7                       | 0        | 7                                   | 0         |
| 4                           | 3495                     | 1723                     | 0                       | 0  | 0   | 3346                        | 1517                     | 226                     | 0        | 226                                 | 0         |
| 5                           | 4007                     | 1769                     | 1692                    | 0  | 0   | 4130                        | 1913                     | 4                       | 0        | 4                                   | 0         |
| 6                           | 3316                     | 2666                     | 2647                    | 2  | 0   | 3579                        | 3154                     | 3                       | 2        | 3                                   | 2         |
| 7                           | 3785                     | 43                       | 41                      | 0  | 0   | 2817                        | 42                       | 93                      | 0        | 93                                  | 0         |
| 8                           | 2832                     | 212                      | 209                     | 1  | 0   | 2483                        | 21                       | 935                     | 1        | 935                                 | 1         |
| <b>Grand Total</b>          | <b>25363<sup>1</sup></b> | <b>10668<sup>1</sup></b> | <b>5717<sup>1</sup></b> | <b>3</b>                                     | <b>0</b>                                      | <b>24193<sup>2</sup></b>    | <b>10790<sup>2</sup></b> | <b>1268</b>             | <b>3</b> | <b>1268</b>                         | <b>3</b>  |
| % Cleaned/Inspected to Date |                          |                          |                         | <b>0%</b>                                    | <b>0%</b>                                     |                             |                          |                         |          | <b>5%</b>                           | <b>0%</b> |

Notes:

1. The number of catch basins in our service area changes with the ongoing connections and abandonments to the sewer infrastructure.
2. These are estimated counts from sewer maps until the existing Sewer Mobile APP for field data is updated and reprogrammed for use.

#### 4.2 BMP Demonstration for Solid and Floatable Control

DC WATER operates the following demonstration projects designed to remove solids and floatables from CSO prior to discharge.

- Bar Rack at CSO 040 and 041 to Rock Creek

**Table 4-2**  
**BMP Demonstration Projects – Report**

| <i>Facility</i>  | <i>Date Inspected</i> | <i>Condition</i> | <i>Work Needed</i> | <i>Work performed</i> | <i>Material Removed (LB)</i> |
|------------------|-----------------------|------------------|--------------------|-----------------------|------------------------------|
| Bar Rack CSO 040 | 01/11/21              | Good             | None               | Routine Cleaning      | (1)                          |
| Bar Rack CSO 041 | 01/27/21              | Good             | None               | Routine Cleaning      | (1)                          |

Notes:

(1) System was designed so that captured solids and floatables are conveyed to Blue Plains for treatment.

**4.3 Anacostia River Floating Debris Removal Program**

This program was initiated in October 1992 to remove floating debris from Anacostia and Potomac Rivers on a routine basis. The program has continued from that time and is now under the auspices of DC WATER, Department of Sewer Operations. The floating debris removal program utilizes a skimmer boat and support boats to remove floatable debris from the Rivers as well as trash, which accumulates on the riverbanks and in the mud flats at low tides. Work for the most part is directed toward the Anacostia River. The boats pick up debris five days a week. Operations are summarized as follows:

**Table 4-3  
Anacostia River Floating Debris Removal Program – Summary**

|                                   |  |
|-----------------------------------|--|
| <i>Program Operation</i>          | 5-day work week, excluding holidays, weather permitting  |
| <i>Work Days this month:</i>      | 18   |
| <i>Days not Operating</i>         | 7  |
| <i>Reason not Operating</i>       | Maintenance, wind, low water levels, river closed by U.S. Coast Guard for Presidential Inauguration. |
| <i># Skimmer in Fleet</i>         | 3 Skimmers   |
| <i># Skimmers Out of Service</i>  | 2 Skimmers   |
| <i>Dates</i>                      | B33: 1/5 - 1/14. B34: 1/1 - 1/31   |
| <i>Reason</i>                     | B33: Ruptured hydraulic hose. B34: No. 1 screen off track.   |
| <i>Plan to Restore to Service</i> | B33: Returned to operations 1/15. B34: Parts arrived, ETR March 2021.                                |
| <i>Amount Material Collected</i>  | 10 tons this month. Calendar year to date 10 tons.   |
| <i>Nature of Material</i>         | Bottles, cans, natural debris and plastics.  |

**4.4 CSS Litter Control**

This section describes DC WATER’s efforts to coordinate litter control efforts with the National Park Service and D.C. Department of Public Works to maximize litter control efforts in the combined sewer system.

No Activity this month.

## 5. MONITORING

### 5.1 Condition Report Bar Racks at Main and O Street Storm Pumps

DC Water performs visual surveys of the bar racks at Main and O Street Pumping Stations to characterize the quantity and nature of floatable discharge. The physical condition of the bar racks and any maintenance requirements are also noted.

**Table 5-1  
Bar Racks at Main & O Street Pumping Stations**

Inspector: Keith Watts

| Pumping Station                             | Inspector | Date Inspected | Condition |            | Work Order Number | Work Needed | Work Performed or Schedule for Completion |
|---|-----------|----------------|-----------|------------|-------------------|-------------|---|
|   |           |                | Good      | Needs Work |                   |             |   |
| Bar Racks at O Street Storm Pumps (CSO 010) | KW        | 1/28/21        | X         |            | 21-188320         |             |   |
| Bar Racks at Main Storm Pumps (CSO 011)     | KW        | 1/28/21        | X         |            | 21-188313         |             |   |

## **5.2 Rain Data**

Rain data from National Airport and from the rain gauges installed in the CSS are summarized below.

| Date      | Brentwood Pumping Station | Bryant Street Pumping Station | Main Pumping Station | Rock Creek Pumping Station | National Airport |
|-----------|---------------------------|-------------------------------|----------------------|----------------------------|------------------|
| 1/1/2021  | 0.82                      | 0.80                          | 0.79                 | 0.83                       | 0.81             |
| 1/2/2021  | 0.09                      | 0.09                          | 0                    | 0.09                       | 0                |
| 1/3/2021  | 0.16                      | 0.17                          | 0.24                 | 0.20                       | 0.28             |
| 1/4/2021  | 0.01                      | 0.01                          | 0                    | 0.02                       | 0                |
| 1/5/2021  | 0                         | 0.01                          | 0.02                 | 0.01                       | 0.03             |
| 1/6/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/7/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/8/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/9/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/10/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/11/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/12/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/13/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/14/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/15/2021 | 0.15                      | 0.16                          | 0.18                 | 0.15                       | 0.17             |
| 1/16/2021 | 0.02                      | 0.02                          | 0                    | 0.02                       | 0                |
| 1/17/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/18/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/19/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/20/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/21/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/22/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/23/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/24/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/25/2021 | 0.06                      | 0.09                          | 0.12                 | 0.11                       | 0.18             |
| 1/26/2021 | 0.05                      | 0.07                          | 0.05                 | 0.08                       | 0.07             |
| 1/27/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/28/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/29/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/30/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 1/31/2021 | 0.07                      | 0.22                          | 0.30                 | 0.19                       | 0.39             |
| TOTAL     | 1.36                      | 1.42                          | 1.40                 | 1.51                       | 1.54             |

### **5.3 Wet Weather Overflows**

Combined Sewer System Model Results are summarized below.

**Combined Sewer System Model Results**  
 Period: Q1 2021 (January, February, March 2021)

SCENARIO: QuarterlyReport\_2021Q1, created on 8 April 2021

| NPDES No.             | Description   | Data Source                   | Number of Overflows (Occurrences) | CSO Overflow Volume (mg) | Total Duration of Overflow (hrs) | Avg Duration of Overflow (hrs) | Maximum Duration of Overflow (hrs) | Minimum Duration of Overflow (hrs) |
|-----------------------|---|-------------------------------|-----------------------------------|--------------------------|----------------------------------|--------------------------------|------------------------------------|------------------------------------|
| <b>Anacostia CSOs</b> |   |                               |                                   |                          |                                  |                                |                                    |                                    |
| 005                   | Chicago St and Railroad Station SE                          | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 006                   | Good Hope Road, West of Nichols Ave., SE                    | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 007                   | 13 <sup>th</sup> Street and Ridge Place, SE                 | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 009                   | 2nd Street, 300 feet North of N Place, SE                   | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 010                   | O Street Sewage Pumping Station, SE (pumped Overflow)       | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 011                   | South of Main Sewage Pumping Station, SE (pumped overflow)  | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 011a                  | South of Main Sewage Pumping Station, SE (gravity overflow) | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 012                   | North of Main Sewage Pumping Station, SE (Tiber Creek)      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 013                   | 4th and N Streets, SE                                       | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 014                   | 6th and M Streets, SE                                       | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 015                   | 9th and M Streets, SE                                       | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 016                   | 12th and M Streets, SE                                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 017                   | 14th and M Streets, SE                                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 018                   | Barney Circle and Pennsylvania Ave, SE                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 019                   | Northeast Boundary  | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 019A                  | Northeast Boundary - Tunnel OF                              | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| <b>SUBTOTAL</b>       |   |                               |                                   | <b>0.00</b>              |                                  |                                |                                    |                                    |
| <b>Potomac CSOs</b>   |   |                               |                                   |                          |                                  |                                |                                    |                                    |
| 003A                  | JBAB Tunnel OF  | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 020                   | 23rd Street, North of Constitution Ave, NW (Easby Point)    | Modeled                       | 5                                 | 9.36                     | 15.50                            | 3.10                           | 4.50                               | 1.50                               |
| 021                   | Northeast of Roosevelt Bridge, NW                           | Modeled                       | 8                                 | 59.48                    | 18.75                            | 2.34                           | 4.50                               | 0.50                               |
| 022                   | 27th and K Streets, NW                                      | Modeled                       | 8                                 | 0.72                     | 33.50                            | 4.19                           | 11.75                              | 0.25                               |
| 024                   | 30th and K Streets, NW                                      | Modeled                       | 20                                | 3.00                     | 127.25                           | 6.36                           | 27.25                              | 0.25                               |
| 025                   | 31st & K St NW  | Modeled                       | 6                                 | 0.15                     | 5.75                             | 0.96                           | 3.75                               | 0.25                               |
| 026                   | Wisconsin Avenue and K St., NW                              | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 027                   | Water Street West of Street, NW                             | Modeled                       | 10                                | 3.86                     | 48.25                            | 4.83                           | 12.50                              | 0.75                               |
| 028                   | 36th and M Streets, NW                                      | Modeled                       | 19                                | 3.43                     | 131.75                           | 6.93                           | 26.00                              | 0.25                               |
| 029                   | Canal Road 1000 feet east of Rock Creek, NW                 | Modeled                       | 10                                | 3.65                     | 49.00                            | 4.90                           | 12.50                              | 0.75                               |
| <b>SUBTOTAL</b>       |   |                               |                                   | <b>83.64</b>             |                                  |                                |                                    |                                    |
| <b>Rock Creek</b>     |   |                               |                                   |                          |                                  |                                |                                    |                                    |
| 031                   | Pennsylvania Avenue, East Rock Creek, NW                    | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 032                   | 26th and M Streets, NW                                      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 033                   | N Street extended west of 25th Street, NW                   | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 034                   | 23rd and O Streets, SW                                      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 035                   | 22nd Street south of Q Street, NW                           | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 036                   | 22nd Street South of Q Street, NW                           | Modeled                       | 8                                 | 0.20                     | 17.75                            | 2.22                           | 4.50                               | 0.50                               |
| 037                   | Northwest of Belmont and Rock Creek and Potomac Parkway     | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 038                   | North of Belmont Road, east of Kalorama Circle, NW          | Modeled                       | 1                                 | 0.01                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 039                   | Connecticut Avenue east of Rock Creek, NW                   | Modeled                       | 1                                 | 0.18                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 040                   | Biltmore Street extended east of Rock Creek, NW             | Modeled                       | 1                                 | 0.18                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 041                   | Ontario extended and Rock Creek Parkway                     | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 042                   | Harvard Street and Rock Creek Parkway, NW                   | Modeled                       | 1                                 | 0.29                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 043                   | Adams Mill Road South of Irving Street, NW                  | Modeled                       | 1                                 | 0.53                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 044                   | Kenyon Street and Adams Mill Road, NW                       | Modeled                       | 1                                 | 0.27                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 045                   | Adams Mill Road and Lamont Street, NW                       | Modeled                       | 1                                 | 0.22                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 046                   | Park Road south of Piney Branch Parkway, NW                 | Modeled                       | 1                                 | 0.11                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 047                   | Ingleside Terrace extended and Piney Branch Parkway         | Modeled                       | 1                                 | 0.07                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 048                   | Mt. Pleasant Street extended and Piney Branch Parkway       | Modeled                       | 1                                 | 0.36                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 049                   | Piney Branch and Lamont Street, NW                          | Modeled                       | 2                                 | 4.29                     | 1.25                             | 0.63                           | 0.75                               | 0.50                               |
| 050                   | 28th Street west of 16th Street, NW                         | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 051                   | Olive Street extended and Rock Creek Parkway, NW            | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 052                   | O Street extended and Rock Creek Parkway, NW                | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 053                   | O Street west of Rock Creek Parkway, NW                     | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 054                   | West Side of Rock Creek 300 ft. south of Mass. Ave, NW      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 056                   | Normanstone Drive extended west of Rock Creek, NW           | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 057                   | 28th Street extended west of Rock Creek, NW                 | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 058                   | Connecticut Avenue and Rock Creek Parkway, NW               | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 060                   | P St and 26 <sup>th</sup> St, NW                            | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| <b>SUBTOTAL</b>       |   |                               |                                   | <b>6.69</b>              |                                  |                                |                                    |                                    |
| <b>TOTAL</b>          |   |                               |                                   | <b>90.33</b>             |                                  |                                |                                    |                                    |

\* Overflow flow meter out of service; model output has been used for report



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

**Monthly Operations Report For  
*Combined Sewer System***

**Month: February 2021**

**Prepared By:**  
District of Columbia  
Water and Sewer Authority  
Department of Sewer Operations  
Washington, D.C. 20003

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*Monthly Operations Report for Combined Sewer System*  
*Month: February 2021*  
**Table of Contents**

- 1. INTRODUCTION**
- 2. OPERATION AND MAINTENANCE**
  - 2.1 Regulators
  - 2.2 Outfalls, Tide Gates and CSO Signs
  - 2.3 Pumping Stations
  - 2.4 Inflatable Dams and SCADA Systems
- 3. DRY WEATHER OVERFLOWS**
- 4. SOLIDS AND FLOATABLES CONTROL**
  - 4.1 Catch Basin Cleaning
  - 4.2 BMP Demonstration for Solid and Floatable Control
  - 4.3 Anacostia River Floating Debris Removal Program
  - 4.4 CSS Litter Control
- 5. MONITORING**
  - 5.1 Bar Racks at Main & O Street
  - 5.2 Rainfall Data
  - 5.3 Wet Weather Overflows

## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (DC Water) operates a wastewater collection system comprised of separate and combined sewers. Separate storm and sanitary sewers serve two-thirds of the District. In the combined sewer system (CSS), there is a single sewer to convey storm water and sanitary wastes. The area served by combined sewers comprises about one-third of the District.

During dry weather, sanitary wastes collected in the CSS are conveyed to the DC Water’s advanced wastewater treatment plant at Blue Plains (BPAWWTP or the Blue Plains AWWTP). During periods of rainfall, the capacity of a combined sewer may be exceeded and the excess flow, which is a mixture of storm water and sanitary wastes, is discharged directly to the Anacostia River, Rock Creek or the Potomac River or their tributary waters. This report summarizes the operations of the combined sewer system for the month indicated.

## 2. OPERATION AND MAINTENANCE

### 2.1 Regulators

Regulators divert combined sewage to interceptors, which convey flow to BPAWWTP for treatment. When flows exceed the capacities of the systems such as during significant rain events, regulators divert excess flow to the tunnel system for temporary storage, and CSO outfalls which discharge to receiving waters. The following table summarizes inspections of CSO regulators in the collection system.

**Table 2-1  
Regulator Structures**

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 2 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 4 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 5 <sup>1</sup>   | Poplar Point Pumping Station   | 004                      | N/A            |           |            |             |                |
| 6                | Chicago Street and Railroad Ave, SE                                      | 005                      | 02/09/21       | *         |            |             |                |
| 7                | W Street and Railroad Ave, SE  | 005                      | 02/09/21       | *         |            |             |                |
| 8 <sup>1</sup>   | Good Hope Rd, west of Nichols Ave, SE                                    | 006                      | N/A            |           |            |             |                |
| 9                | 13 <sup>th</sup> Street and Ridge Place, SE (Diversion Structure)        | 007                      | 02/09/21       | *         |            |             |                |
| 9a               | 13 <sup>th</sup> Street and Ridge Place, SE (Regulator Structure)        | 007                      | 02/09/21       | *         |            |             |                |
| 9b               | 11 <sup>th</sup> Street Bridge and DC 295 SB (CSO-007 Diversion Chamber) | 007                      | 02/17/21       | *         |            |             |                |
| 11               | "O" Street Pumping Station   | 011(a)                   | 02/17/21       | *         |            |             |                |
| 12               | Storm Pump Discharge at Main Pumping Station                             | 011                      | 02/11/21       | *         |            |             |                |
| 13               | 2 <sup>nd</sup> Street, 300 ft. north of N Place, SE                     | 009                      | 02/17/21       | *         |            |             |                |
| 14               | 2 <sup>nd</sup> Street, 250 ft. north of N Place, SE                     | 011(a)                   | 02/24/21       | *         |            |             |                |
| 15               | South Capitol and E Streets  | 010                      | 02/24/21       | *         |            |             |                |
| 15a              | Half and L Streets, SE   | 010                      | 02/24/21       | *         |            |             |                |
| 15b              | South Capitol and I Streets  | 010                      | 02/09/21       | *         |            |             |                |
| 15c              | South Capitol and I Streets  | 010                      | 02/09/21       | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 16               | North of Main Sewage Pumping Station  | 012                      | 02/24/21       | *         |            |             |                |
| 17               | 4 <sup>th</sup> and N Streets, SE, Both Extended  | 013                      | 02/10/21       | *         |            |             |                |
| 17a              | K Street between 6 <sup>th</sup> Street and 7 <sup>th</sup> Street, SE (Side Overflow Weir) | 013                      | 02/17/21       | *         |            |             |                |
| 17b              | 4 <sup>th</sup> and N Streets, SE, Both Extended (CSO-013 Diversion Chamber)                | 013                      | 02/23/21       | *         |            |             |                |
| 18               | 6 <sup>th</sup> and M Streets, SE (Diversion and Overflow Structure)                        | 014                      | 02/16/21       | *         |            |             |                |
| 18a              | Tingey Street SE and 5 1 / 2 Street SE (CSO-014 Diversion Chamber)                          | 014                      | 02/10/21       | *         |            |             |                |
| 19               | 9 <sup>th</sup> and M Streets, SE   | 015                      | 02/17/21       | *         |            |             |                |
| 19a              | 9 <sup>th</sup> and M Streets, SE   | 015                      | 02/17/21       | *         |            |             |                |
| 19b              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 02/17/21       | *         |            |             |                |
| 19c              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 02/17/21       | *         |            |             |                |
| 20               | 12 <sup>th</sup> and M Streets, SE  | 016                      | 02/16/21       | *         |            |             |                |
| 20a              | 12 <sup>th</sup> and M Streets, SE  | 016                      | 02/16/21       | *         |            |             |                |
| 20b              | 12 <sup>th</sup> and M Streets, SE (CSO-016 Diversion Chamber)                              | 016                      | 02/16/21       | *         |            |             |                |
| 21               | 14 <sup>th</sup> and M Streets, SE  | 017                      | 02/16/21       | *         |            |             |                |
| 21a              | 14 <sup>th</sup> and M Streets, SE (CSO-017 Diversion Chamber)                              | 017                      | 02/16/21       | *         |            |             |                |
| 22a              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 02/16/21       | *         |            |             |                |
| 22b              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 02/16/21       | *         |            |             |                |
| 22c              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 02/16/21       | *         |            |             |                |
| 22d              | Kentucky Ave and Potomac Street, SE   | 018                      | 02/12/21       | *         |            |             |                |
| 22e              | 14 <sup>th</sup> Street and Kentucky Ave, SE  | 018                      | 02/12/21       | *         |            |             |                |
| 23               | Independence Ave, 21 <sup>st</sup> Street, SE, Extended                                     | 019                      | 02/12/21       | *         |            |             |                |
| 24a              | East Capitol St, west of RFK stadium  | 019                      | 02/12/21       | *         |            |             |                |
| 28               | 21 <sup>st</sup> and Constitution Ave, NW   | 020                      | 02/01/21       | *         |            |             |                |
| 29               | 22 <sup>nd</sup> Street, between Constitution Ave and C St, NW                              | 020                      | 02/01/21       | *         |            |             |                |
| 30               | 17 <sup>th</sup> and D Streets, NW  | 020                      | 02/01/21       | *         |            |             |                |
| 31               | 15 <sup>th</sup> Street and Pennsylvania Ave, NW  | 020                      | 02/01/21       | *         |            |             |                |
| 33               | 10 <sup>th</sup> and F Streets, NW  | 020                      | 02/01/21       | *         |            |             |                |
| 34               | 23 <sup>rd</sup> Street, north of Constitution Ave, NW                                      | 020                      | 02/25/21       | *         |            |             |                |
| 34a              | 23 <sup>rd</sup> Street near C Street, NW   | 020                      | 02/01/21       | *         |            |             |                |
| 35               | Northeast of Roosevelt Bridge, NW   | 021                      | 02/25/21       | *         |            |             |                |
| 35c              | Kennedy Center Rock Creek and Potomac Pkwy Northeast of Roosevelt Bridge, NW                | 021                      | 02/23/21       | *         |            |             |                |
| 36               | 27 <sup>th</sup> and I Streets, NW  | 022                      | 02/01/21       | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 36a              | New Hampshire Ave and Eye Street, NW                               | 022                      | 02/01/21       | *         |            |             |                |
| 36b              | 19 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 02/02/21       | *         |            |             |                |
| 36d              | 17 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 02/02/21       | *         |            |             |                |
| 36g              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 02/02/21       | *         |            |             |                |
| 36h              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 02/02/21       | *         |            |             |                |
| 37               | 27 <sup>th</sup> and Eye Streets, NW                               | 022                      | 02/01/21       | *         |            |             |                |
| 38               | 29 <sup>th</sup> and K Streets, NW                                 | 024                      | 02/02/21       | *         |            |             |                |
| 38a              | 30 <sup>th</sup> Street, south of K Street, NW                     | 024                      | 02/02/21       | *         |            |             |                |
| 39a              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 02/02/21       | *         |            |             |                |
| 39b              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 02/02/21       | *         |            |             |                |
| 41b              | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | 02/02/21       | *         |            |             |                |
| 41c              | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | 02/02/21       | *         |            |             |                |
| 42               | Wisconsin Ave and K Street, NW                                     | 026                      | 02/02/21       | *         |            |             |                |
| 43               | Potomac and Water Streets, NW                                      | 027                      | 02/02/21       | *         |            |             |                |
| 43a              | Potomac and Water Streets, NW                                      | 027                      | 02/02/21       | *         |            |             |                |
| 44               | Water Street, west of Potomac St, NW                               | 027                      | 02/02/21       | *         |            |             |                |
| 45               | 36 <sup>th</sup> and M Streets, NW                                 | 028                      | 02/08/21       | *         |            |             |                |
| 46               | Canal Rd, 1000ft. east of Foxhall Rd, NW                           | 029                      | 02/08/21       | *         |            |             |                |
| 47               | 38 <sup>th</sup> Street and Reservoir Road, NW                     | 029                      | 02/08/21       | *         |            |             |                |
| 47a              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 02/08/21       | *         |            |             |                |
| 47b              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 02/08/21       | *         |            |             |                |
| 47c              | 38 <sup>th</sup> and W Streets, NW                                 | 029                      | 02/08/21       | *         |            |             |                |
| 49 <sup>l</sup>  | Pennsylvania Ave, east side of Rock Creek, NW                      | 031                      | N/A            |           |            |             |                |
| 50               | 26 and M Streets, NW   | 032                      | 02/12/21       | *         |            |             |                |
| 51               | N Street Extended, west of 25 <sup>th</sup> Street, NW             | 033                      | 02/12/21       | *         |            |             |                |
| 52               | 22 <sup>nd</sup> Street between M and N Streets, NW                | 034                      | 02/26/21       | *         |            |             |                |
| 52a              | N Street between 22 <sup>nd</sup> and 23 <sup>rd</sup> Streets, NW | 034                      | 02/12/21       | *         |            |             |                |
| 53               | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 02/12/21       | *         |            |             |                |
| 53a              | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 02/12/21       | *         |            |             |                |
| 53b              | L Street between 21 <sup>st</sup> Street and New Hampshire Ave, NW | 022, 034                 | 02/02/21       | *         |            |             |                |
| 53c              | L and 22 <sup>nd</sup> Streets, NW                                 | 022                      | 02/02/21       | *         |            |             |                |
| 54               | 23 <sup>rd</sup> and O Streets, NW                                 | 034                      | 02/03/21       | *         |            |             |                |
| 55               | 22 <sup>nd</sup> Street, south of Q Street, NW                     | 035                      | 02/03/21       | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 55a              | 22 <sup>nd</sup> Street, south of Q Street, NW                                   | 035                      | 02/03/21       | *         |            |             |                |
| 56               | 23 <sup>rd</sup> and Massachusetts Ave, NW                                       | 036                      | 02/03/21       | *         |            |             |                |
| 57               | 23 <sup>rd</sup> Street, south of Q Street, NW                                   | 036                      | 02/03/21       | *         |            |             |                |
| 58 <sup>l</sup>  | Northwest of Belmont Road and Rock Creek and Potomac Parkway, NW                 | 037                      | N/A            |           |            |             |                |
| 59               | North of Belmont Rd, east of Kalorama Cir, NW                                    | 038                      | 02/08/21       | *         |            |             |                |
| 60               | Connecticut Ave, east of Rock Creek, NW  | 039                      | 02/08/21       | *         |            |             |                |
| 61               | Biltmore St, Extended, east of Rock Creek, NW                                    | 040                      | 02/08/21       | *         |            |             |                |
| 62               | Ontario Rd, Extended, and Rock Creek Pkwy, NW                                    | 041                      | 02/10/21       | *         |            |             |                |
| 63               | Harvard Street and Rock Creek Parkway, NW  | 042                      | 02/10/21       | *         |            |             |                |
| 64               | Adams Mill Road, south of Irving Street, NW                                      | 043                      | 02/10/21       | *         |            |             |                |
| 65               | Kenyon Street and Adams Mill Road, NW  | 044                      | 02/10/21       | *         |            |             |                |
| 65a              | Kenyon Street and Adams Mill Road, NW  | 044                      | 02/10/21       | *         |            |             |                |
| 66               | Adams Mill Road and Lamont Street, NW  | 045                      | 02/10/21       | *         |            |             |                |
| 67               | Park Rd , south of Piney Branch Pkwy, NW   | 046                      | 02/10/21       | *         |            |             |                |
| 68               | Ingleside Terrance, Extended and Piney Branch Parkway, NW                        | 047                      | 02/10/21       | *         |            |             |                |
| 69               | Mt. Pleasant Street, Extended and Piney Branch Parkway, NW                       | 048                      | 02/10/21       | *         |            |             |                |
| 70               | Piney Branch Parkway, west of 16 <sup>th</sup> Street, NW                        | 049                      | 02/10/21       | *         |            |             |                |
| 70i              | 5 <sup>th</sup> and Quackenbos Streets, NW                                       | 049                      | 02/09/21       | *         |            |             |                |
| 71               | 28 <sup>th</sup> Street, west of Rock Creek Parkway, NW                          | 050                      | 02/08/21       | *         |            |             |                |
| 72               | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 02/03/21       | *         |            |             |                |
| 72a              | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 02/03/21       | *         |            |             |                |
| 73               | O Street Extended and Rock Creek Parkway, NW                                     | 052                      | 02/03/21       | *         |            |             |                |
| 74 <sup>l</sup>  | Q Street, west of Rock Creek, NW   | 053                      | N/A            |           |            |             |                |
| 75               | West side of Rock Creek, 300 ft. south of Massachusetts Ave, NW                  | 054                      | 02/09/21       | *         |            |             |                |
| 77               | Normanstone Dr Extended, west of Rock Creek, NW                                  | 056                      | 02/09/21       | *         |            |             |                |
| 77a              | Normanstone Dr and Normanstone Lane, NW  | 056                      | 02/09/21       | *         |            |             |                |
| 78 <sup>l</sup>  | 28th Street Extended, west of Rock Creek, NW                                     | 057                      | N/A            |           |            |             |                |
| 79 <sup>l</sup>  | Connecticut Ave and Rock Creek Parkway, NW                                       | 058                      | N/A            |           |            |             |                |
| 84               | 26 <sup>th</sup> and P Streets, NW   | 060                      | 02/03/21       | *         |            |             |                |
| 84a              | 26 <sup>th</sup> and P Streets, NW   | 060                      | 02/03/21       | *         |            |             |                |
| 86               | Diversion Chamber and Vortex Drop at First and Channing St, NW (First St Tunnel) | 019                      | 02/09/21       | *         |            |             |                |
| 88               | Flagler and Adams St. NW (First St Tunnel)                                       | 019                      | 02/09/21       | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 89               | First and V St, NW (First St Tunnel)  | 019                      | 02/09/21       | *         |            |             |                |
| 90               | First and V St, NW (First St Tunnel)  | 019                      | 02/09/21       | *         |            |             |                |
| 91               | First and V St, NW (First St Tunnel)  | 019                      | 02/09/21       | *         |            |             |                |
| 92               | CSO 019 Diversion Near Eastside PS (Anacostia River Tunnel)   | 019                      | 02/19/21       | *         |            |             |                |
| 93               | CSO 018 Diversion Near Barney Circle (Anacostia River Tunnel)   | 018                      | 02/19/21       | *         |            |             |                |
| 95               | M Street Approach Channel M and Water St SE (Anacostia River Tunnel)                                      | 015, 016, 017            | 02/16/21       | *         |            |             |                |
| 96               | CSO 007 Shaft at 11 <sup>th</sup> St Bridge and DC I-295 SB Diversion Facilities (Anacostia River Tunnel) | 007                      | 02/17/21       | *         |            |             |                |
| 97               | CSO 005 Diversion at Chicago St Trunk Sewer, I295 SB (Anacostia River Tunnel)                             | 005                      | 02/17/21       | *         |            |             |                |
| 98               | Main Pumping Station Diversions (Anacostia River Tunnel)  | 009 - 012                | 02/23/21       | *         |            |             |                |
| 99               | CSO 009 and 011a Diversion Facilities (Anacostia River Tunnel)  | 009, 011a                | 02/24/21       | *         |            |             |                |
| 100              | CSO 012 Diversion Facilities (Anacostia River Tunnel)   | 012                      | 02/24/21       | *         |            |             |                |
| 101              | Main Outfall Sewer Diversion Chamber (Anacostia River Tunnel)   | N/A                      | 02/19/21       | *         |            |             |                |
| 102              | Anacostia Main Interceptor Diversion Chamber  | N/A                      | 02/19/21       | *         |            |             |                |
| 103              | Poplar Point PS Emergency Overflow Chamber (Anacostia River Tunnel)                                       | N/A                      | 02/19/21       | *         |            |             |                |
| 104              | Poplar Point PS Discharge Chamber   | N/A                      | 02/19/21       | *         |            |             |                |
| 105              | Potomac Outfall Sewer Diversion Chamber (Anacostia River Tunnel)  | 003A                     | 02/26/21       | *         |            |             |                |

Notes:

1. Noted structures no longer function as a combined sewer overflow regulator structure.

## 2.2 Outfalls, Tide Gates and CSO Signs

The following table summarizes inspections, maintenance and work performed on outfall structures, tide gates and CSO signs in the collection system.

**Table 2-2  
Outfalls and Tide Gates**

| NPDES Outfall | Location | Date Inspected | Outfall Condition |            | Tide Gate Present? |    | Tide Gate Condition |            | CSO Sign |            | Notes, Work Needed or Performed |
|---------------|----------|----------------|-------------------|------------|--------------------|----|---------------------|------------|----------|------------|---------------------------------|
|               |          |                | OK                | Needs Work | Yes                | No | OK                  | Needs Work | OK       | Needs Work |                                 |
|               |          |                |                   |            |                    |    |                     |            |          |            |                                 |

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 003 <sup>1</sup> | Bolling Air Force Base, at Giavanolli and Chanute, SW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 003a             | Joint Base Anacostia Bolling Macdill and Arnold Ave SW  | 02/26/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 005              | Across from Navy Yard, aligned with Parsons Ave., SE  | 02/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 006 <sup>1</sup> | Good Hope Road and Welsh Memorial Bridge  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 007              | Between 11 <sup>th</sup> St. and Anacostia Bridges, SE  | 02/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 009              | O St. Sewage Pumping Station, SE  | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 010              | O St. Sewage Pumping Station, SE  | 02/11/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011              | Main Sewage Pumping Station, SE   | 02/11/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011a             | Main Sewage Pumping Station, SE   | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 012              | Main Sewage Pumping Station, SE   | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 013              | Southeast Federal Center, aligned with 4 <sup>th</sup> St.  | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 014              | Navy Yard, aligned with 6 <sup>th</sup> St., SE   | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 015              | Navy Yard, aligned with 9th Street, SE  | 02/11/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 016              | 12th and O Streets, SE  | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 017              | M and Water Street, SE  | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 018              | East of Barney Circle & South of Pennsylvania Avenue Bridge, SE                                     | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019              | Adjacent to Service Drive behind swirl facility & D.C. General Hospital                             | 02/19/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019a             | Adjacent to Service Drive behind swirl facility & D.C. General Hospital (Tunnel Overflow Structure) | 02/19/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 020              | Rock Creek Parkway and Independence, NW   | 02/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 021              | Rock Creek Parkway and C St., NW  | 02/04/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 022              | Rock Creek Parkway and G St., NW  | 02/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 024              | South of 30 <sup>th</sup> and K Streets, NW <sup>1</sup>  | 02/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 025              | South of 31st and K Streets, NW   | 02/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 026              | Wisconsin Avenue and Water Street, NW   | 02/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 027              | 33 <sup>rd</sup> and Water Sts., NW   | 02/04/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 028              | Key Bridge and Whitehurst Freeway, NW   | 02/04/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 029              | Adjacent to C&O Canal, aligned with 38 <sup>th</sup> St. NW   | 02/04/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 031 <sup>1</sup> | Rock Creek Pkwy & Pennsylvania Avenue, NW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 032              | 26th and M Street, NW   | 02/12/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 033              | Across street from St. Francis Jr. High and aligned with N St., NW.                                 | 02/12/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 034              | Just west of St. Francis Jr. High and north of N St., NW  | 02/03/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 035              | P St. Bridge and Rock Creek Parkway   | 02/03/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 036              | 22nd Street, South of Q Street NW.  | 02/23/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 037 <sup>1</sup> | Waterside Dr. and Rock Creek Parkway  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 038              | Between arch footbridge and Connecticut Ave., north of Kalorama Circle, NW. | 02/08/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 039              | Connecticut Avenue Bridge and Rock Creek Parkway, NW.                       | 02/08/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 040              | Aligned with Biltmore Rd., between Connecticut Ave and Ellington Bridge.    | 02/08/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 041              | Beach Dr. and Ontario Pl., NW   | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 042              | Harvard St. and Beach Dr NW.  | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 043              | Upstream of Harvard St. and Beach Dr NW.                                    | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 044              | Kenyon Street and Beach Dr., NW.  | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 045              | North of Beach Dr. and Walbridge Pl, NW.                                    | 02/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 046              | Piney Branch Parkway and Park Road, NW.                                     | 02/10/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 047              | Piney Branch Parkway and Ingleside Terrace                                  | 02/10/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 048              | South of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 02/10/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 049              | North of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 02/10/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 050              | Rock Creek Parkway and L St., NW  | 02/08/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 051              | Across Rock Creek Pkwy, aligned with Olive St., NW.                         | 02/23/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 052              | Between P & Penna. Ave Bridges, aligned with O Street, NW.                  | 02/23/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 053 <sup>1</sup> | Q St. Bridge and Rock Creek Parkway, NW.                                    | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 054              | Massachusetts Ave & Rock Creek Parkway, NW.                                 | 02/09/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 056              | Normanstone Dr. and Rock Creek Parkway, NW.                                 | 02/09/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 057 <sup>1</sup> | 28th Street and Rock Creek Parkway, NW                                      | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 058 <sup>1</sup> | Connecticut Ave & Rock Creek Parkway, NW.                                   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 060              | North of P St. Bridge & Rock Creek Pkwy, NW                                 | 02/23/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |

Notes:

1. Outfall no longer functions as a combined sewer outfall.

### 2.3.1 Pumping Stations

Pumping station operations are summarized in the table below.

**Table 2-3  
Pumping Stations – Inspections and Equipment in Service**

| <i>Pumping Station</i> | <i>No. of Inspections</i> | <i>No. Screens</i> | <i>No. Pumps</i> | <i>Screens or Pumps Out of Service</i> | <i>Dates</i>      | <i>Reason</i>   | <i>Work Order Number</i> | <i>Schedule to Restore to Service</i>   |
|------------------------|---------------------------|--------------------|------------------|--|-------------------|---|--------------------------|---|
| Main                   | 28                        | 3                  | 4                | None                                   | -                 | -   | -                        | -   |
| Eastside               | 1                         | 2                  | 4                | None                                   | -                 | -   | -                        | -   |
| Poplar Point           | 1                         | 2                  | 4                | None                                   | -                 | -   | -                        | -   |
| Potomac <sup>1</sup>   | 28                        | 4                  | 5                | Screen #1                              | 2/01/21 – 2/28/21 | Bent rake and scraper bar, screen is off track.   | 20-675279                | Anticipated 3/31/21. The screen has been disconnected for repair. Awaiting parts from manufacturer. |
|                        |                           |                    |                  | Screen #2                              | 2/01/21 – 2/12/21 | Broken rake, screen is not running.   | 21-121831                | Returned to service 2/12/2021.  |
|                        |                           |                    |                  |  | 2/15/21 – 2/16/21 | Large debris from wet weather event impacted screen operation, rakes broken and off track, screen is not running. | 21-242683                | Returned to service on 2/16/2021. Debris was removed and rakes were placed back on track.           |
|                        |                           |                    |                  |  | 2/28/21 – 2/28/21 | Large debris from wet weather event impacted screen operation, rakes broken and off track, screen is not running. | 21-261243                | Anticipated 3/20/21. The debris is being removed and rakes are being repaired.                      |

Notes:

1. While two screens were periodically out of service during the month of February 2021, firm pumping capacity was maintained by keeping the screening channel open to allow flow through to the pumps. Debris was manually removed as needed.

**Table 2-4  
Pumping Stations – Preventive Maintenance**

| <i>Pumping Station</i>                   | <i>Date Performed</i> | <i>Type of Preventive Maintenance Performed</i> <sup>1,2</sup> | <i>Work Order Number</i> | <i>Comments</i>   |
|--|-----------------------|--|--------------------------|---|
| Main                                     | 2/11/21               | Group A  | 21-188565                | Add oil, grease bearings and replace packing if needed. |
| O St                                     | 2/14/21               | Group A  | 21-217096                | Add oil, grease bearings and replace packing if needed. |
| Eastside                                 | 2/8/21                | Group A  | 21-150751                | Add oil, grease bearings and replace packing if needed. |
| Poplar Point                             | 2/10/21               | Group A  | 21-190320                | Add oil, grease bearings and replace packing if needed. |
| Potomac                                  | 2/1/21                | Group A  | 21-268893                | Add oil, grease bearings and replace packing if needed. |
| Rock Creek                               | 2/8/21                | Group A  | 21-168147                | Add oil, grease bearings and replace packing if needed. |
| Upper Anacostia                          | 2/10/21               | Group A  | 21-190861                | Add oil, grease bearings and replace packing if needed. |
| Earl Place                               | 2/5/21                | Group A  | 21-165373                | Add oil, grease bearings and replace packing if needed. |
| 1 <sup>st</sup> Street Tunnel Dewatering | 2/28/21               | Group B  | 21-170167                |   |

Notes:

1. Group A consists of:
  - a. Exercise bar screens
  - b. Exercise all sump pumps
  - c. Drain condensation from air compressor storage tank
  - d. Check depth of screening in the screen room and schedule Vector truck as required
  - e. Check all safety equipment
  - f. Issue work order requests as required
2. Group B consists of:
  - a. Inspect and manually run CSO Pumps
  - b. Generator:
    - i. Inspection operation and test, inspect oil level, inspect coolant level
  - c. MCC:
    - i. Test gas monitoring system
    - ii. Inspect and test level indicators
  - d. Valve Vault
    - i. Lubricate knife gate valve stem and stem nut
    - ii. Flush air and vacuum release valve

**Table 2-5  
Pumping Stations – Pumpage**

| <i>Pumping Station</i>                   | <i>Sanitary Pumpage</i>      |                                      | <i>Screenings Collected (tons)<sup>1</sup></i> | <i>Pumpage of CSO from First Street Tunnel back to Sewer System</i> |                      |
|--|------------------------------|--------------------------------------|--|---|----------------------|
|  | <i>Total Wastewater (mg)</i> | <i>Daily Average Wastewater (mg)</i> |  | <i>Date</i>   | <i>Volume (mg)</i>   |
| Main <sup>1,2</sup>                      | 1776.16                      | 63.43                                | N/A  | N/A   | N/A                  |
| O St <sup>1,2</sup>                      | 120.93                       | 4.32                                 | N/A  | N/A   | N/A                  |
| Eastside                                 | 130.93                       | 4.68                                 | N/A  | N/A   | N/A                  |
| Poplar Point                             | 358.66                       | 12.81                                | N/A  | N/A   | N/A                  |
| Potomac                                  | 3532.22                      | 126.15                               | N/A  | N/A   | N/A                  |
| Rock Creek                               | 121.41                       | 4.34                                 | N/A  | N/A   | N/A                  |
| Upper Anacostia                          | 43.35                        | 1.55                                 | N/A  | N/A   | N/A                  |
| Earl Place                               | 0.308                        | 0.011                                | N/A  | N/A   | N/A                  |
| 1 <sup>st</sup> Street Tunnel Dewatering | N/A                          | N/A                                  | N/A  | 2/7/21<br>2/21/21<br>2/28/21  | 0.21<br>0.22<br>0.12 |

Notes:

1. Screenings collected from the Main and O Street Pumping Stations are combined from the sanitary flow and combined sewer overflows, due to the design of the screening system that consists of vertical trash racks, with no mechanical cleaning. Therefore, quantification of captured screening materials, specifically from combined sewer overflows, is not feasible.
2. Flow meters have been installed in accordance with NPDES Permit No. DC002199 to record CSO discharges from Main and O Street Pumping Stations. This data is reported via Discharge Monitoring Reports submitted to the EPA on a monthly basis. A summary of metered and modeled CSO discharges is included in Section 5.

## 2.4 Inflatable Dams and SCADA System

DC Water operates and maintains nine inflatable dams at seven different locations. Table 2-6 summarizes the date(s) the inflatable dams were inspected, and their operational status and condition. The inflatable dams consist of multi-ply elastomeric (i.e., “rubber”) fabric dams installed in major overflow conduits within the combined sewer system. The objective of the inflatable dam installation is to increase the effective depth to which the sewage must rise in the combined sewer before overflows occur. The effect of the installation is to retain a greater volume of combined sewage flow resulting from low to moderate intensity storms by maximizing storage within the CSS. During higher intensity storms, when the full carrying capacity of the overflow conduit is required to prevent upstream flooding, the dam is deflated automatically. Inflatable dam operations are summarized below:

**Table 2-6<sup>1</sup>**  
**Inflatable Dams – Inspections and Equipment in Service**

| <i>Inflatable Dam Structure No</i> | <i>Date Inspected</i> | <i>Was Dam Out of Service During the Month?</i> | <i>Dates out of Service</i> | <i>Reason</i>     | <i>Schedule to Restore to Service</i> |
|------------------------------------|-----------------------|---|-----------------------------|-------------------|---------------------------------------|
| 14 - East                          | 2/24/21               | <b>No</b>                                       | N/A                         | N/A               | N/A                                   |
| 14 - West                          | 2/24/21               | <b>No</b>                                       | N/A                         | N/A               | N/A                                   |
| 15                                 | 2/24/21               | <b>Yes</b>                                      | <b>2/5/21</b>               | <b>See Note 2</b> | <b>2/5/21</b>                         |
| 15A                                | 2/24/21               | <b>Yes</b>                                      | <b>2/2/21</b>               | <b>See Note 3</b> | <b>2/2/21</b>                         |
| 16 - East                          | 2/24/21               | <b>No</b>                                       | N/A                         | N/A               | N/A                                   |
| 16 - West                          | 2/24/21               | <b>No</b>                                       | N/A                         | N/A               | N/A                                   |
| 34                                 | 2/25/21               | <b>No</b>                                       | N/A                         | N/A               | N/A                                   |
| 35                                 | 2/25/21               | <b>No</b>                                       | N/A                         | N/A               | N/A                                   |
| 52                                 | 2/25/21               | <b>No</b>                                       | N/A                         | N/A               | N/A                                   |

Notes:

1. In previous reports, only inflatable dam outages with durations longer than 24 hours were reported in Table 2-6. Short duration outages, which did not result in overflows, were still reported in table 2-7 along with a note to explain that no overflow occurred. Moving forward, all outages will be reported in Table 2-6, and only actual overflow events will be reported in Table 2-7.
2. On 2/5/21, Structure 15 experienced a loss of communication which resulted in a deflation. This was not an overflow to the river as the upstream levels were significantly lower than the low-level threshold. Instrumentation personnel were dispatched to the site to investigate and communications was restored after 6 minutes.
3. On 2/2/21, Structure 15A experienced a level transmitter malfunction which resulted in a deflation. This was not an overflow to the river as any overflow from Structure 15A is diverted to O Street Pumping Station and is not discharged to the river unless the storm pumps are turned on. In this instance, the storm pumps at O Street Pumping Station were not turned on. The structure was inspected by instrumentation personnel and was returned to service in less than 24 hours.

**Table 2-7<sup>1</sup>**  
**Inflatable Dams & SCADA Sites - Wet Weather Operations**

| <i>Inflatable Dam Structure No.</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>Inflatable Dam Operational Status</i> |
|-------------------------------------|---------------------------|--|--|
| 14 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15A                                 | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 16 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 34                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 35 <sup>2</sup>                     | <i>2/15/21</i>            | <i>0 hrs. 16 mins</i>  | <i>Deflated</i>                          |
| 52                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
|                                     |                           |  |  |
| <i>Structures on Outfall Sewers</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>N/A</i>                               |
| Outfall Structure 1                 | <i>None</i>               | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 1A                | <i>None</i>               | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 2                 | <i>None</i>               | <i>N/A</i>   |  |
| <i>Outfall Sewer Control Gates</i>  | <i>Operational Status</i> | <i>Position</i>  |  |
| Outfall Sewer Control Gate No.1     | <i>Operational</i>        | <i>Open</i>  |  |
| Outfall Sewer Control Gate No.2     | <i>Operational</i>        | This structure has been bulk headed. Overflows are no longer possible  |  |
| Outfall Sewer Control Gate No.2     | <i>Operational</i>        | This structure has been bulk headed. Overflows are no longer possible  |  |

Notes:

1. In previous reports, all inflatable dam outages were reported in Table 2-7, regardless if an overflow occurred or not. Moving forward, all outages will be reported in Table 2-6, and only actual overflow events will be reported in Table 2-7.
2. On 2/15/21, Structure 35 deflated due to high upstream levels of wastewater. Please reference letter dated February 19, 2021 to the USEPA Region III.

### **3. DRY WEATHER OVERFLOWS**

There was no dry weather combined sewer overflow reported during February 2021.

4. **SOLIDS AND FLOATABLES CONTROL**

4.1 **Catch Basin Cleaning**

The following tables summarize catch basin cleaning in the Anacostia CSO area and in the entire sewer system:

**Table 4-1  
Catch Basin Cleaning**

| Ward                        | Total CBs                | CBs in CSS               | Inspections             |  |   | Cleaning                    |                      |                         |           |                                     |                       |
|-----------------------------|--------------------------|--------------------------|-------------------------|--|---|-----------------------------|----------------------|-------------------------|-----------|-------------------------------------|-----------------------|
|                             |                          |                          | CBs in Anacostia CSS    | Total Anacostia CBs Inspected Once this Year | Total Anacostia CBs Inspected Twice this Year | CBs Cleaned Thru Last Month |                      | CB's Cleaned This Month |           | Total CBs Cleaned This Year to Date |                       |
|                             |                          |                          |                         | Total  | In CSS  | Total                       | In CSS               | Total                   | In CSS    |                                     |                       |
| 1                           | 1449                     | 1426                     | 652                     | 552  | 3   | 0                           | 0                    | 1                       | 1         | 1                                   | 1                     |
| 2                           | 2792                     | 2642                     | 476                     | 1  | 0   | 0                           | 0                    | 0                       | 0         | 0                                   | 0                     |
| 3                           | 3687                     | 187                      | 0                       | 0  | 0   | 7                           | 0                    | 203                     | 0         | 210                                 | 0                     |
| 4                           | 3495                     | 1723                     | 0                       | 0  | 0   | 226                         | 0                    | 409                     | 0         | 635                                 | 0                     |
| 5                           | 4007                     | 1769                     | 1692                    | 5  | 0   | 4                           | 0                    | 0                       | 0         | 4                                   | 0                     |
| 6                           | 3316                     | 2666                     | 2647                    | 210  | 26  | 3                           | 2                    | 33                      | 33        | 36                                  | 35                    |
| 7                           | 3785                     | 43                       | 41                      | 2  | 2   | 93                          | 0                    | 3                       | 2         | 96                                  | 2                     |
| 8                           | 2832                     | 212                      | 209                     | 1  | 0   | 935                         | 1                    | 164                     | 0         | 1099                                | 1                     |
| <b>Grand Total</b>          | <b>25363<sup>1</sup></b> | <b>10668<sup>1</sup></b> | <b>5717<sup>1</sup></b> | <b>771</b>                                   | <b>31</b>                                     | <b>1268<sup>2</sup></b>     | <b>3<sup>2</sup></b> | <b>813</b>              | <b>36</b> | <b>2081<sup>2</sup></b>             | <b>39<sup>2</sup></b> |
| % Cleaned/Inspected to Date |                          |                          |                         | <b>13%</b>                                   | <b>1%</b>                                     |                             |                      |                         |           | <b>8%</b>                           | <b>0%</b>             |

Notes:

1. The number of catch basins in our service area changes with the ongoing connections and abandonments to the sewer infrastructure.
2. These are estimated counts from sewer maps until the existing Sewer Mobile APP for field data is updated and reprogrammed for use.

#### 4.2 BMP Demonstration for Solid and Floatable Control

DC WATER operates the following demonstration projects designed to remove solids and floatables from CSO prior to discharge.

- Bar Rack at CSO 040 and 041 to Rock Creek

**Table 4-2**  
**BMP Demonstration Projects – Report**

| <i>Facility</i>  | <i>Date Inspected</i> | <i>Condition</i> | <i>Work Needed</i> | <i>Work performed</i> | <i>Material Removed (LB)</i> |
|------------------|-----------------------|------------------|--------------------|-----------------------|------------------------------|
| Bar Rack CSO 040 | 02/08/21              | Good             | None               | Routine Cleaning      | (1)                          |
| Bar Rack CSO 041 | 02/11/21              | Good             | None               | Routine Cleaning      | (1)                          |

Notes:

(1) System was designed so that captured solids and floatables are conveyed to Blue Plains for treatment.

**4.3 Anacostia River Floating Debris Removal Program**

This program was initiated in October 1992 to remove floating debris from Anacostia and Potomac Rivers on a routine basis. The program has continued from that time and is now under the auspices of DC WATER, Department of Sewer Operations. The floating debris removal program utilizes a skimmer boat and support boats to remove floatable debris from the Rivers as well as trash, which accumulates on the riverbanks and in the mud flats at low tides. Work for the most part is directed toward the Anacostia River. The boats pick up debris five days a week. Operations are summarized as follows:

**Table 4-3  
Anacostia River Floating Debris Removal Program – Summary**

|                                   |   |
|-----------------------------------|---|
| <i>Program Operation</i>          | 5-day work week, excluding holidays, weather permitting |
| <i>Work Days this month:</i>      | 19  |
| <i>Days not Operating</i>         | 10  |
| <i>Reason not Operating</i>       | Maintenance, wind, low water levels.                    |
| <i># Skimmer in Fleet</i>         | 3 Skimmers  |
| <i># Skimmers Out of Service</i>  | 1 Skimmer   |
| <i>Dates</i>                      | B34: 2/1 - 2/28   |
| <i>Reason</i>                     | B34: No. 1 screen off track.                            |
| <i>Plan to Restore to Service</i> | B34: Parts arrived, ETR March 2021.                     |
| <i>Amount Material Collected</i>  | 5 tons this month. Calendar year to date 15 tons.       |
| <i>Nature of Material</i>         | Bottles, cans, natural debris and plastics.             |

**4.4 CSS Litter Control**

This section describes DC WATER’s efforts to coordinate litter control efforts with the National Park Service and D.C. Department of Public Works to maximize litter control efforts in the combined sewer system.

No Activity this month.

## 5. MONITORING

### 5.1 Condition Report Bar Racks at Main and O Street Storm Pumps

DC Water performs visual surveys of the bar racks at Main and O Street Pumping Stations to characterize the quantity and nature of floatable discharge. The physical condition of the bar racks and any maintenance requirements are also noted.

**Table 5-1  
Bar Racks at Main & O Street Pumping Stations**

Inspector: Keith Watts

| Pumping Station                             | Inspector | Date Inspected | Condition |            | Work Order Number | Work Needed | Work Performed or Schedule for Completion |
|---|-----------|----------------|-----------|------------|-------------------|-------------|---|
|   |           |                | Good      | Needs Work |                   |             |   |
| Bar Racks at O Street Storm Pumps (CSO 010) | KW        | 2/28/21        | X         |            | 21-239262         |             |   |
| Bar Racks at Main Storm Pumps (CSO 011)     | KW        | 2/28/21        | X         |            | 21-239255         |             |   |

## **5.2 Rain Data**

Rain data from National Airport and from the rain gauges installed in the CSS are summarized below.

| Date      | Brentwood Pumping Station | Bryant Street Pumping Station | Main Pumping Station | Rock Creek Pumping Station | National Airport |
|-----------|---------------------------|-------------------------------|----------------------|----------------------------|------------------|
| 2/1/2021  | 0.09                      | 0.08                          | 0.04                 | 0.09                       | 0.14             |
| 2/2/2021  | 0                         | 0                             | 0                    | 0.02                       | 0.04             |
| 2/3/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/4/2021  | 0.60                      | 0.60                          | 0                    | 0.60                       | 0                |
| 2/5/2021  | 0.05                      | 0.03                          | 0.02                 | 0.05                       | 0.07             |
| 2/6/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/7/2021  | 0.48                      | 0.38                          | 0.36                 | 0.45                       | 0.49             |
| 2/8/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/9/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/10/2021 | 0.20                      | 0.18                          | 0.14                 | 0.16                       | 0.23             |
| 2/11/2021 | 0.13                      | 0.12                          | 0.09                 | 0.11                       | 0.14             |
| 2/12/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/13/2021 | 0.39                      | 0.31                          | 0.18                 | 0.31                       | 0.45             |
| 2/14/2021 | 0                         | 0                             | 0.03                 | 0                          | 0                |
| 2/15/2021 | 0.46                      | 0.42                          | 0.44                 | 0.46                       | 0.52             |
| 2/16/2021 | 0.40                      | 0.38                          | 0.36                 | 0.40                       | 0.45             |
| 2/17/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/18/2021 | 0.37                      | 0.30                          | 0.25                 | 0.33                       | 0.46             |
| 2/19/2021 | 0.03                      | 0.01                          | 0.01                 | 0                          | 0.04             |
| 2/20/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/21/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/22/2021 | 0.40                      | 0.36                          | 0.30                 | 0.34                       | 0.41             |
| 2/23/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/24/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/25/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 2/26/2021 | 0.14                      | 0.11                          | 0.08                 | 0.09                       | 0.19             |
| 2/27/2021 | 0.16                      | 0.12                          | 0.10                 | 0.14                       | 0.19             |
| 2/28/2021 | 0.81                      | 0.78                          | 0.75                 | 0.73                       | 0.84             |
| TOTAL     | 4.71                      | 4.18                          | 3.15                 | 4.28                       | 4.66             |

### **5.3 Wet Weather Overflows**

Combined Sewer System Model Results are summarized below.

**Combined Sewer System Model Results**  
 Period: Q1 2021 (January, February, March 2021)

SCENARIO: QuarterlyReport\_2021Q1, created on 8 April 2021

| NPDES No.             | Description   | Data Source                   | Number of Overflows (Occurrences) | CSO Overflow Volume (mg) | Total Duration of Overflow (hrs) | Avg Duration of Overflow (hrs) | Maximum Duration of Overflow (hrs) | Minimum Duration of Overflow (hrs) |
|-----------------------|---|-------------------------------|-----------------------------------|--------------------------|----------------------------------|--------------------------------|------------------------------------|------------------------------------|
| <b>Anacostia CSOs</b> |   |                               |                                   |                          |                                  |                                |                                    |                                    |
| 005                   | Chicago St and Railroad Station SE                          | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 006                   | Good Hope Road, West of Nichols Ave., SE                    | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 007                   | 13 <sup>th</sup> Street and Ridge Place, SE                 | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 009                   | 2nd Street, 300 feet North of N Place, SE                   | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 010                   | O Street Sewage Pumping Station, SE (pumped Overflow)       | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 011                   | South of Main Sewage Pumping Station, SE (pumped overflow)  | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 011a                  | South of Main Sewage Pumping Station, SE (gravity overflow) | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 012                   | North of Main Sewage Pumping Station, SE (Tiber Creek)      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 013                   | 4th and N Streets, SE                                       | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 014                   | 6th and M Streets, SE                                       | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 015                   | 9th and M Streets, SE                                       | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 016                   | 12th and M Streets, SE                                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 017                   | 14th and M Streets, SE                                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 018                   | Barney Circle and Pennsylvania Ave, SE                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 019                   | Northeast Boundary  | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 019A                  | Northeast Boundary - Tunnel OF                              | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| <b>SUBTOTAL</b>       |   |                               |                                   | <b>0.00</b>              |                                  |                                |                                    |                                    |
| <b>Potomac CSOs</b>   |   |                               |                                   |                          |                                  |                                |                                    |                                    |
| 003A                  | JBAB Tunnel OF  | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 020                   | 23rd Street, North of Constitution Ave, NW (Easby Point)    | Modeled                       | 5                                 | 9.36                     | 15.50                            | 3.10                           | 4.50                               | 1.50                               |
| 021                   | Northeast of Roosevelt Bridge, NW                           | Modeled                       | 8                                 | 59.48                    | 18.75                            | 2.34                           | 4.50                               | 0.50                               |
| 022                   | 27th and K Streets, NW                                      | Modeled                       | 8                                 | 0.72                     | 33.50                            | 4.19                           | 11.75                              | 0.25                               |
| 024                   | 30th and K Streets, NW                                      | Modeled                       | 20                                | 3.00                     | 127.25                           | 6.36                           | 27.25                              | 0.25                               |
| 025                   | 31st & K St NW  | Modeled                       | 6                                 | 0.15                     | 5.75                             | 0.96                           | 3.75                               | 0.25                               |
| 026                   | Wisconsin Avenue and K St., NW                              | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 027                   | Water Street West of Street, NW                             | Modeled                       | 10                                | 3.86                     | 48.25                            | 4.83                           | 12.50                              | 0.75                               |
| 028                   | 36th and M Streets, NW                                      | Modeled                       | 19                                | 3.43                     | 131.75                           | 6.93                           | 26.00                              | 0.25                               |
| 029                   | Canal Road 1000 feet east of Rock Creek, NW                 | Modeled                       | 10                                | 3.65                     | 49.00                            | 4.90                           | 12.50                              | 0.75                               |
| <b>SUBTOTAL</b>       |   |                               |                                   | <b>83.64</b>             |                                  |                                |                                    |                                    |
| <b>Rock Creek</b>     |   |                               |                                   |                          |                                  |                                |                                    |                                    |
| 031                   | Pennsylvania Avenue, East Rock Creek, NW                    | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 032                   | 26th and M Streets, NW                                      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 033                   | N Street extended west of 25th Street, NW                   | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 034                   | 23rd and O Streets, SW                                      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 035                   | 22nd Street south of Q Street, NW                           | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 036                   | 22nd Street South of Q Street, NW                           | Modeled                       | 8                                 | 0.20                     | 17.75                            | 2.22                           | 4.50                               | 0.50                               |
| 037                   | Northwest of Belmont and Rock Creek and Potomac Parkway     | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 038                   | North of Belmont Road, east of Kalorama Circle, NW          | Modeled                       | 1                                 | 0.01                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 039                   | Connecticut Avenue east of Rock Creek, NW                   | Modeled                       | 1                                 | 0.18                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 040                   | Biltmore Street extended east of Rock Creek, NW             | Modeled                       | 1                                 | 0.18                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 041                   | Ontario extended and Rock Creek Parkway                     | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 042                   | Harvard Street and Rock Creek Parkway, NW                   | Modeled                       | 1                                 | 0.29                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 043                   | Adams Mill Road South of Irving Street, NW                  | Modeled                       | 1                                 | 0.53                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 044                   | Kenyon Street and Adams Mill Road, NW                       | Modeled                       | 1                                 | 0.27                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 045                   | Adams Mill Road and Lamont Street, NW                       | Modeled                       | 1                                 | 0.22                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 046                   | Park Road south of Piney Branch Parkway, NW                 | Modeled                       | 1                                 | 0.11                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 047                   | Ingleside Terrace extended and Piney Branch Parkway         | Modeled                       | 1                                 | 0.07                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 048                   | Mt. Pleasant Street extended and Piney Branch Parkway       | Modeled                       | 1                                 | 0.36                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 049                   | Piney Branch and Lamont Street, NW                          | Modeled                       | 2                                 | 4.29                     | 1.25                             | 0.63                           | 0.75                               | 0.50                               |
| 050                   | 28th Street west of 16th Street, NW                         | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 051                   | Olive Street extended and Rock Creek Parkway, NW            | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 052                   | O Street extended and Rock Creek Parkway, NW                | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 053                   | O Street west of Rock Creek Parkway, NW                     | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 054                   | West Side of Rock Creek 300 ft. south of Mass. Ave, NW      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 056                   | Normanstone Drive extended west of Rock Creek, NW           | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 057                   | 28th Street extended west of Rock Creek, NW                 | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 058                   | Connecticut Avenue and Rock Creek Parkway, NW               | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 060                   | P St and 26 <sup>th</sup> St, NW                            | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| <b>SUBTOTAL</b>       |   |                               |                                   | <b>6.69</b>              |                                  |                                |                                    |                                    |
| <b>TOTAL</b>          |   |                               |                                   | <b>90.33</b>             |                                  |                                |                                    |                                    |

\* Overflow flow meter out of service; model output has been used for report



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

**Monthly Operations Report For  
*Combined Sewer System***

**Month: March 2021**

**Prepared By:**  
District of Columbia  
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DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*Monthly Operations Report for Combined Sewer System*  
*Month: March 2021*  
**Table of Contents**

- 1. INTRODUCTION**
- 2. OPERATION AND MAINTENANCE**
  - 2.1 Regulators
  - 2.2 Outfalls, Tide Gates and CSO Signs
  - 2.3 Pumping Stations
  - 2.4 Inflatable Dams and SCADA Systems
- 3. DRY WEATHER OVERFLOWS**
- 4. SOLIDS AND FLOATABLES CONTROL**
  - 4.1 Catch Basin Cleaning
  - 4.2 BMP Demonstration for Solid and Floatable Control
  - 4.3 Anacostia River Floating Debris Removal Program
  - 4.4 CSS Litter Control
- 5. MONITORING**
  - 5.1 Bar Racks at Main & O Street
  - 5.2 Rainfall Data
  - 5.3 Wet Weather Overflows

## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (DC Water) operates a wastewater collection system comprised of separate and combined sewers. Separate storm and sanitary sewers serve two-thirds of the District. In the combined sewer system (CSS), there is a single sewer to convey storm water and sanitary wastes. The area served by combined sewers comprises about one-third of the District.

During dry weather, sanitary wastes collected in the CSS are conveyed to the DC Water's advanced wastewater treatment plant at Blue Plains (BPAWWTP or the Blue Plains AWWTP). During periods of rainfall, the capacity of a combined sewer may be exceeded and the excess flow, which is a mixture of storm water and sanitary wastes, is discharged directly to the Anacostia River, Rock Creek or the Potomac River or their tributary waters. This report summarizes the operations of the combined sewer system for the month indicated.

## 2. OPERATION AND MAINTENANCE

### 2.1 Regulators

Regulators divert combined sewage to interceptors, which convey flow to BPAWWTP for treatment. When flows exceed the capacities of the systems such as during significant rain events, regulators divert excess flow to the tunnel system for temporary storage, and CSO outfalls which discharge to receiving waters. The following table summarizes inspections of CSO regulators in the collection system.

**Table 2-1  
Regulator Structures**

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 2 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 4 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 5 <sup>1</sup>   | Poplar Point Pumping Station   | 004                      | N/A            |           |            |             |                |
| 6                | Chicago Street and Railroad Ave, SE                                      | 005                      | 03/15/21       | *         |            |             |                |
| 7                | W Street and Railroad Ave, SE  | 005                      | 03/15/21       | *         |            |             |                |
| 8 <sup>1</sup>   | Good Hope Rd, west of Nichols Ave, SE                                    | 006                      | N/A            |           |            |             |                |
| 9                | 13 <sup>th</sup> Street and Ridge Place, SE (Diversion Structure)        | 007                      | 03/15/21       | *         |            |             |                |
| 9a               | 13 <sup>th</sup> Street and Ridge Place, SE (Regulator Structure)        | 007                      | 03/15/21       | *         |            |             |                |
| 9b               | 11 <sup>th</sup> Street Bridge and DC 295 SB (CSO-007 Diversion Chamber) | 007                      | 03/09/21       | *         |            |             |                |
| 11               | "O" Street Pumping Station   | 011(a)                   | 03/16/21       | *         |            |             |                |
| 12               | Storm Pump Discharge at Main Pumping Station                             | 011                      | 03/11/21       | *         |            |             |                |
| 13               | 2 <sup>nd</sup> Street, 300 ft. north of N Place, SE                     | 009                      | 03/16/21       | *         |            |             |                |
| 14               | 2 <sup>nd</sup> Street, 250 ft. north of N Place, SE                     | 011(a)                   | 03/23/21       | *         |            |             |                |
| 15               | South Capitol and E Streets  | 010                      | 03/23/21       | *         |            |             |                |
| 15a              | Half and L Streets, SE   | 010                      | 03/23/21       | *         |            |             |                |
| 15b              | South Capitol and I Streets  | 010                      | 03/15/21       | *         |            |             |                |
| 15c              | South Capitol and I Streets  | 010                      | 03/15/21       | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 16               | North of Main Sewage Pumping Station  | 012                      | 03/23/21       | *         |            |             |                |
| 17               | 4 <sup>th</sup> and N Streets, SE, Both Extended  | 013                      | 03/01/21       | *         |            |             |                |
| 17a              | K Street between 6 <sup>th</sup> Street and 7 <sup>th</sup> Street, SE (Side Overflow Weir) | 013                      | 03/16/21       | *         |            |             |                |
| 17b              | 4 <sup>th</sup> and N Streets, SE, Both Extended (CSO-013 Diversion Chamber)                | 013                      | 03/01/21       | *         |            |             |                |
| 18               | 6 <sup>th</sup> and M Streets, SE (Diversion and Overflow Structure)                        | 014                      | 03/01/21       | *         |            |             |                |
| 18a              | Tingey Street SE and 5 1 / 2 Street SE (CSO-014 Diversion Chamber)                          | 014                      | 03/01/21       | *         |            |             |                |
| 19               | 9 <sup>th</sup> and M Streets, SE   | 015                      | 03/02/21       | *         |            |             |                |
| 19a              | 9 <sup>th</sup> and M Streets, SE   | 015                      | 03/02/21       | *         |            |             |                |
| 19b              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 03/02/21       | *         |            |             |                |
| 19c              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 03/02/21       | *         |            |             |                |
| 20               | 12 <sup>th</sup> and M Streets, SE  | 016                      | 03/02/21       | *         |            |             |                |
| 20a              | 12 <sup>th</sup> and M Streets, SE  | 016                      | 03/02/21       | *         |            |             |                |
| 20b              | 12 <sup>th</sup> and M Streets, SE (CSO-016 Diversion Chamber)                              | 016                      | 03/02/21       | *         |            |             |                |
| 21               | 14 <sup>th</sup> and M Streets, SE  | 017                      | 03/02/21       | *         |            |             |                |
| 21a              | 14 <sup>th</sup> and M Streets, SE (CSO-017 Diversion Chamber)                              | 017                      | 03/02/21       | *         |            |             |                |
| 22a              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 03/15/21       | *         |            |             |                |
| 22b              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 03/15/21       | *         |            |             |                |
| 22c              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 03/15/21       | *         |            |             |                |
| 22d              | Kentucky Ave and Potomac Street, SE   | 018                      | 03/15/21       | *         |            |             |                |
| 22e              | 14 <sup>th</sup> Street and Kentucky Ave, SE  | 018                      | 03/15/21       | *         |            |             |                |
| 23               | Independence Ave, 21 <sup>st</sup> Street, SE, Extended                                     | 019                      | 03/16/21       | *         |            |             |                |
| 24a              | East Capitol St, west of RFK stadium  | 019                      | 03/16/21       | *         |            |             |                |
| 28               | 21 <sup>st</sup> and Constitution Ave, NW   | 020                      | 03/02/21       | *         |            |             |                |
| 29               | 22 <sup>nd</sup> Street, between Constitution Ave and C St, NW                              | 020                      | 03/02/21       | *         |            |             |                |
| 30               | 17 <sup>th</sup> and D Streets, NW  | 020                      | 03/08/21       | *         |            |             |                |
| 31               | 15 <sup>th</sup> Street and Pennsylvania Ave, NW  | 020                      | 03/08/21       | *         |            |             |                |
| 33               | 10 <sup>th</sup> and F Streets, NW  | 020                      | 03/08/21       | *         |            |             |                |
| 34               | 23 <sup>rd</sup> Street, north of Constitution Ave, NW                                      | 020                      | 03/23/21       | *         |            |             |                |
| 34a              | 23 <sup>rd</sup> Street near C Street, NW   | 020                      | 03/02/21       | *         |            |             |                |
| 35               | Northeast of Roosevelt Bridge, NW   | 021                      | 03/23/21       | *         |            |             |                |
| 35c              | Kennedy Center Rock Creek and Potomac Pkwy Northeast of Roosevelt Bridge, NW                | 021                      | 03/15/21       | *         |            |             |                |
| 36               | 27 <sup>th</sup> and I Streets, NW  | 022                      | 03/02/21       | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 36a              | New Hampshire Ave and Eye Street, NW                               | 022                      | 03/02/21       | *         |            |             |                |
| 36b              | 19 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 03/15/21       | *         |            |             |                |
| 36d              | 17 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 03/15/21       | *         |            |             |                |
| 36g              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 03/15/21       | *         |            |             |                |
| 36h              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 03/15/21       | *         |            |             |                |
| 37               | 27 <sup>th</sup> and Eye Streets, NW                               | 022                      | 03/02/21       | *         |            |             |                |
| 38               | 29 <sup>th</sup> and K Streets, NW                                 | 024                      | 03/01/21       | *         |            |             |                |
| 38a              | 30 <sup>th</sup> Street, south of K Street, NW                     | 024                      | 03/01/21       | *         |            |             |                |
| 39a              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 03/01/21       | *         |            |             |                |
| 39b              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 03/01/21       | *         |            |             |                |
| 41b              | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | 03/01/21       | *         |            |             |                |
| 41c              | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | 03/01/21       | *         |            |             |                |
| 42               | Wisconsin Ave and K Street, NW                                     | 026                      | 03/01/21       | *         |            |             |                |
| 43               | Potomac and Water Streets, NW                                      | 027                      | 03/01/21       | *         |            |             |                |
| 43a              | Potomac and Water Streets, NW                                      | 027                      | 03/01/21       | *         |            |             |                |
| 44               | Water Street, west of Potomac St, NW                               | 027                      | 03/01/21       | *         |            |             |                |
| 45               | 36 <sup>th</sup> and M Streets, NW                                 | 028                      | 03/08/21       | *         |            |             |                |
| 46               | Canal Rd, 1000ft. east of Foxhall Rd, NW                           | 029                      | 03/08/21       | *         |            |             |                |
| 47               | 38 <sup>th</sup> Street and Reservoir Road, NW                     | 029                      | 03/08/21       | *         |            |             |                |
| 47a              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 03/08/21       | *         |            |             |                |
| 47b              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 03/08/21       | *         |            |             |                |
| 47c              | 38 <sup>th</sup> and W Streets, NW                                 | 029                      | 03/08/21       | *         |            |             |                |
| 49 <sup>l</sup>  | Pennsylvania Ave, east side of Rock Creek, NW                      | 031                      | N/A            |           |            |             |                |
| 50               | 26 and M Streets, NW   | 032                      | 03/12/21       | *         |            |             |                |
| 51               | N Street Extended, west of 25 <sup>th</sup> Street, NW             | 033                      | 03/12/21       | *         |            |             |                |
| 52               | 22 <sup>nd</sup> Street between M and N Streets, NW                | 034                      | 03/23/21       | *         |            |             |                |
| 52a              | N Street between 22 <sup>nd</sup> and 23 <sup>rd</sup> Streets, NW | 034                      | 03/12/21       | *         |            |             |                |
| 53               | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 03/12/21       | *         |            |             |                |
| 53a              | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 03/12/21       | *         |            |             |                |
| 53b              | L Street between 21 <sup>st</sup> Street and New Hampshire Ave, NW | 022, 034                 | 03/03/21       | *         |            |             |                |
| 53c              | L and 22 <sup>nd</sup> Streets, NW                                 | 022                      | 03/03/21       | *         |            |             |                |
| 54               | 23 <sup>rd</sup> and O Streets, NW                                 | 034                      | 03/03/21       | *         |            |             |                |
| 55               | 22 <sup>nd</sup> Street, south of Q Street, NW                     | 035                      | 03/03/21       | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 55a              | 22 <sup>nd</sup> Street, south of Q Street, NW                                   | 035                      | 03/03/21       | *         |            |             |                |
| 56               | 23 <sup>rd</sup> and Massachusetts Ave, NW                                       | 036                      | 03/03/21       | *         |            |             |                |
| 57               | 23 <sup>rd</sup> Street, south of Q Street, NW                                   | 036                      | 03/03/21       | *         |            |             |                |
| 58 <sup>l</sup>  | Northwest of Belmont Road and Rock Creek and Potomac Parkway, NW                 | 037                      | N/A            |           |            |             |                |
| 59               | North of Belmont Rd, east of Kalorama Cir, NW                                    | 038                      | 03/05/21       | *         |            |             |                |
| 60               | Connecticut Ave, east of Rock Creek, NW  | 039                      | 03/05/21       | *         |            |             |                |
| 61               | Biltmore St, Extended, east of Rock Creek, NW                                    | 040                      | 03/05/21       | *         |            |             |                |
| 62               | Ontario Rd, Extended, and Rock Creek Pkwy, NW                                    | 041                      | 03/12/21       | *         |            |             |                |
| 63               | Harvard Street and Rock Creek Parkway, NW  | 042                      | 03/12/21       | *         |            |             |                |
| 64               | Adams Mill Road, south of Irving Street, NW                                      | 043                      | 03/12/21       | *         |            |             |                |
| 65               | Kenyon Street and Adams Mill Road, NW  | 044                      | 03/12/21       | *         |            |             |                |
| 65a              | Kenyon Street and Adams Mill Road, NW  | 044                      | 03/12/21       | *         |            |             |                |
| 66               | Adams Mill Road and Lamont Street, NW  | 045                      | 03/12/21       | *         |            |             |                |
| 67               | Park Rd , south of Piney Branch Pkwy, NW   | 046                      | 03/12/21       | *         |            |             |                |
| 68               | Ingleside Terrance, Extended and Piney Branch Parkway, NW                        | 047                      | 03/12/21       | *         |            |             |                |
| 69               | Mt. Pleasant Street, Extended and Piney Branch Parkway, NW                       | 048                      | 03/12/21       | *         |            |             |                |
| 70               | Piney Branch Parkway, west of 16 <sup>th</sup> Street, NW                        | 049                      | 03/12/21       | *         |            |             |                |
| 70i              | 5 <sup>th</sup> and Quackenbos Streets, NW                                       | 049                      | 03/08/21       | *         |            |             |                |
| 71               | 28 <sup>th</sup> Street, west of Rock Creek Parkway, NW                          | 050                      | 03/05/21       | *         |            |             |                |
| 72               | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 03/03/21       | *         |            |             |                |
| 72a              | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 03/03/21       | *         |            |             |                |
| 73               | O Street Extended and Rock Creek Parkway, NW                                     | 052                      | 03/03/21       | *         |            |             |                |
| 74 <sup>l</sup>  | Q Street, west of Rock Creek, NW   | 053                      | N/A            |           |            |             |                |
| 75               | West side of Rock Creek, 300 ft. south of Massachusetts Ave, NW                  | 054                      | 03/05/21       | *         |            |             |                |
| 77               | Normanstone Dr Extended, west of Rock Creek, NW                                  | 056                      | 03/05/21       | *         |            |             |                |
| 77a              | Normanstone Dr and Normanstone Lane, NW  | 056                      | 03/05/21       | *         |            |             |                |
| 78 <sup>l</sup>  | 28th Street Extended, west of Rock Creek, NW                                     | 057                      | N/A            |           |            |             |                |
| 79 <sup>l</sup>  | Connecticut Ave and Rock Creek Parkway, NW                                       | 058                      | N/A            |           |            |             |                |
| 84               | 26 <sup>th</sup> and P Streets, NW   | 060                      | 03/03/21       | *         |            |             |                |
| 84a              | 26 <sup>th</sup> and P Streets, NW   | 060                      | 03/03/21       | *         |            |             |                |
| 86               | Diversion Chamber and Vortex Drop at First and Channing St, NW (First St Tunnel) | 019                      | 03/05/21       | *         |            |             |                |
| 88               | Flagler and Adams St. NW (First St Tunnel)                                       | 019                      | 03/05/21       | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 89               | First and V St, NW (First St Tunnel)  | 019                      | 03/05/21       | *         |            |             |                |
| 90               | First and V St, NW (First St Tunnel)  | 019                      | 03/05/21       | *         |            |             |                |
| 91               | First and V St, NW (First St Tunnel)  | 019                      | 03/03/21       | *         |            |             |                |
| 92               | CSO 019 Diversion Near Eastside PS (Anacostia River Tunnel)   | 019                      | 03/09/21       | *         |            |             |                |
| 93               | CSO 018 Diversion Near Barney Circle (Anacostia River Tunnel)   | 018                      | 03/09/21       | *         |            |             |                |
| 95               | M Street Approach Channel M and Water St SE (Anacostia River Tunnel)                                      | 015, 016, 017            | 03/02/21       | *         |            |             |                |
| 96               | CSO 007 Shaft at 11 <sup>th</sup> St Bridge and DC I-295 SB Diversion Facilities (Anacostia River Tunnel) | 007                      | 03/09/21       | *         |            |             |                |
| 97               | CSO 005 Diversion at Chicago St Trunk Sewer, I295 SB (Anacostia River Tunnel)                             | 005                      | 03/09/21       | *         |            |             |                |
| 98               | Main Pumping Station Diversions (Anacostia River Tunnel)  | 009 - 012                | 03/16/21       | *         |            |             |                |
| 99               | CSO 009 and 011a Diversion Facilities (Anacostia River Tunnel)  | 009, 011a                | 03/23/21       | *         |            |             |                |
| 100              | CSO 012 Diversion Facilities (Anacostia River Tunnel)   | 012                      | 03/23/21       | *         |            |             |                |
| 101              | Main Outfall Sewer Diversion Chamber (Anacostia River Tunnel)   | N/A                      | 03/09/21       | *         |            |             |                |
| 102              | Anacostia Main Interceptor Diversion Chamber  | N/A                      | 03/09/21       | *         |            |             |                |
| 103              | Poplar Point PS Emergency Overflow Chamber (Anacostia River Tunnel)                                       | N/A                      | 03/09/21       | *         |            |             |                |
| 104              | Poplar Point PS Discharge Chamber   | N/A                      | 03/09/21       | *         |            |             |                |
| 105              | Potomac Outfall Sewer Diversion Chamber (Anacostia River Tunnel)  | 003A                     | 03/10/21       | *         |            |             |                |

Notes:

1. Noted structures no longer function as a combined sewer overflow regulator structure.

## 2.2 Outfalls, Tide Gates and CSO Signs

The following table summarizes inspections, maintenance and work performed on outfall structures, tide gates and CSO signs in the collection system.

**Table 2-2  
Outfalls and Tide Gates**

| NPDES Outfall | Location | Date Inspected | Outfall Condition |            | Tide Gate Present? |    | Tide Gate Condition |            | CSO Sign |            | Notes, Work Needed or Performed |
|---------------|----------|----------------|-------------------|------------|--------------------|----|---------------------|------------|----------|------------|---------------------------------|
|               |          |                | OK                | Needs Work | Yes                | No | OK                  | Needs Work | OK       | Needs Work |                                 |
|               |          |                |                   |            |                    |    |                     |            |          |            |                                 |

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 003 <sup>1</sup> | Bolling Air Force Base, at Giavanolli and Chanute, SW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 003a             | Joint Base Anacostia Bolling Macdill and Arnold Ave SW  | 03/10/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 005              | Across from Navy Yard, aligned with Parsons Ave., SE  | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 006 <sup>1</sup> | Good Hope Road and Welsh Memorial Bridge  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 007              | Between 11 <sup>th</sup> St. and Anacostia Bridges, SE  | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 009              | O St. Sewage Pumping Station, SE  | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 010              | O St. Sewage Pumping Station, SE  | 03/11/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011              | Main Sewage Pumping Station, SE   | 03/11/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011a             | Main Sewage Pumping Station, SE   | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 012              | Main Sewage Pumping Station, SE   | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 013              | Southeast Federal Center, aligned with 4 <sup>th</sup> St.  | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 014              | Navy Yard, aligned with 6 <sup>th</sup> St., SE   | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 015              | Navy Yard, aligned with 9th Street, SE  | 03/11/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 016              | 12th and O Streets, SE  | 03/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 017              | M and Water Street, SE  | 03/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 018              | East of Barney Circle & South of Pennsylvania Avenue Bridge, SE                                     | 03/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019              | Adjacent to Service Drive behind swirl facility & D.C. General Hospital                             | 03/09/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019a             | Adjacent to Service Drive behind swirl facility & D.C. General Hospital (Tunnel Overflow Structure) | 03/09/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 020              | Rock Creek Parkway and Independence, NW   | 03/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 021              | Rock Creek Parkway and C St., NW  | 03/04/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 022              | Rock Creek Parkway and G St., NW  | 03/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 024              | South of 30 <sup>th</sup> and K Streets, NW <sup>1</sup>  | 03/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 025              | South of 31st and K Streets, NW   | 03/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 026              | Wisconsin Avenue and Water Street, NW   | 03/04/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 027              | 33 <sup>rd</sup> and Water Sts., NW   | 03/04/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 028              | Key Bridge and Whitehurst Freeway, NW   | 03/04/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 029              | Adjacent to C&O Canal, aligned with 38 <sup>th</sup> St. NW   | 03/04/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 031 <sup>1</sup> | Rock Creek Pkwy & Pennsylvania Avenue, NW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 032              | 26th and M Street, NW   | 03/12/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 033              | Across street from St. Francis Jr. High and aligned with N St., NW.                                 | 03/12/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 034              | Just west of St. Francis Jr. High and north of N St., NW  | 03/03/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 035              | P St. Bridge and Rock Creek Parkway   | 03/03/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 036              | 22nd Street, South of Q Street NW.  | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 037 <sup>1</sup> | Waterside Dr. and Rock Creek Parkway  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 038              | Between arch footbridge and Connecticut Ave., north of Kalorama Circle, NW. | 03/05/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 039              | Connecticut Avenue Bridge and Rock Creek Parkway, NW.                       | 03/05/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 040              | Aligned with Biltmore Rd., between Connecticut Ave and Ellington Bridge.    | 03/05/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 041              | Beach Dr. and Ontario Pl., NW   | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 042              | Harvard St. and Beach Dr NW.  | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 043              | Upstream of Harvard St. and Beach Dr NW.                                    | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 044              | Kenyon Street and Beach Dr., NW.  | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 045              | North of Beach Dr. and Walbridge Pl, NW.                                    | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 046              | Piney Branch Parkway and Park Road, NW.                                     | 03/12/21          | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 047              | Piney Branch Parkway and Ingleside Terrace                                  | 03/12/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 048              | South of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 03/12/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 049              | North of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 03/12/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 050              | Rock Creek Parkway and L St., NW  | 03/05/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 051              | Across Rock Creek Pkwy, aligned with Olive St., NW.                         | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 052              | Between P & Penna. Ave Bridges, aligned with O Street, NW.                  | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 053 <sup>1</sup> | Q St. Bridge and Rock Creek Parkway, NW.                                    | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 054              | Massachusetts Ave & Rock Creek Parkway, NW.                                 | 03/05/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 056              | Normanstone Dr. and Rock Creek Parkway, NW.                                 | 03/05/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 057 <sup>1</sup> | 28th Street and Rock Creek Parkway, NW                                      | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 058 <sup>1</sup> | Connecticut Ave & Rock Creek Parkway, NW.                                   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 060              | North of P St. Bridge & Rock Creek Pkwy, NW                                 | 03/11/21          | *                    |               | *                        |    | *                      |               | *        |               |                                 |

Notes:

1. Outfall no longer functions as a combined sewer outfall.

### 2.3.1 Pumping Stations

Pumping station operations are summarized in the table below.

**Table 2-3  
Pumping Stations – Inspections and Equipment in Service**

| <i>Pumping Station</i> | <i>No. of Inspections</i> | <i>No. Screens</i> | <i>No. Pumps</i> | <i>Screens or Pumps Out of Service</i> | <i>Dates</i>      | <i>Reason</i>   | <i>Work Order Number</i> | <i>Schedule to Restore to Service</i>  |
|------------------------|---------------------------|--------------------|------------------|--|-------------------|---|--------------------------|--|
| Main                   | 31                        | 3                  | 4                | None                                   | -                 | -   | -                        | -  |
| Eastside               | 1                         | 2                  | 4                | None                                   | -                 | -   | -                        | -  |
| Poplar Point           | 1                         | 2                  | 4                | None                                   | -                 | -   | -                        | -  |
| Potomac <sup>1</sup>   | 31                        | 4                  | 5                | Screen #1                              | 3/01/21 – 3/31/21 | Bent rake and scraper bar, screen is off track.   | 20-675279                | Anticipated 6/30/21. The screen has been disconnected for repair. Awaiting material from manufacturer. |
|                        |                           |                    |                  | Screen #2                              | 3/01/21 – 3/22/21 | Large debris from wet weather event impacted screen operation, rakes broken and off track, screen is not running. | 21-261243                | Returned to service 3/22/21. The debris was removed, and rakes were being repaired.                    |

Notes:

1. While two screens were periodically out of service during the month of March 2021, firm pumping capacity was maintained by keeping the screening channel open to allow flow through to the pumps. Debris was manually removed as needed.

**Table 2-4  
Pumping Stations – Preventive Maintenance**

| <i>Pumping Station</i>                   | <i>Date Performed</i> | <i>Type of Preventive Maintenance Performed</i> <sup>1,2</sup> | <i>Work Order Number</i> | <i>Comments</i>   |
|--|-----------------------|--|--------------------------|---|
| Main                                     | 3/19/21               | Group A  | 21-239648                | Add oil, grease bearings and replace packing if needed. |
| O St                                     | 3/16/21               | Group A  | 21-264770                | Add oil, grease bearings and replace packing if needed. |
| Eastside                                 | 3/3/21                | Group A  | 21-194830                | Add oil, grease bearings and replace packing if needed. |
| Poplar Point                             | 3/23/21               | Group A  | 21-241898                | Add oil, grease bearings and replace packing if needed. |
| Potomac                                  | 3/9/21                | Group A  | 21-201097                | Add oil, grease bearings and replace packing if needed. |
| Rock Creek                               | 3/17/21               | Group A  | 21-220588                | Add oil, grease bearings and replace packing if needed. |
| Upper Anacostia                          | 3/3/21                | Group A  | 21-242453                | Add oil, grease bearings and replace packing if needed. |
| Earl Place                               | 3/3/21                | Group A  | 21-213307                | Add oil, grease bearings and replace packing if needed. |
| 1 <sup>st</sup> Street Tunnel Dewatering | 3/25/21               | Group B  | 21-314902                |   |

Notes:

1. Group A consists of:
  - a. Exercise bar screens
  - b. Exercise all sump pumps
  - c. Drain condensation from air compressor storage tank
  - d. Check depth of screening in the screen room and schedule Vector truck as required
  - e. Check all safety equipment
  - f. Issue work order requests as required
2. Group B consists of:
  - a. Inspect and manually run CSO Pumps
  - b. Generator:
    - i. Inspection operation and test, inspect oil level, inspect coolant level
  - c. MCC:
    - i. Test gas monitoring system
    - ii. Inspect and test level indicators
  - d. Valve Vault
    - i. Lubricate knife gate valve stem and stem nut
    - ii. Flush air and vacuum release valve

**Table 2-5  
Pumping Stations – Pumpage**

| <i>Pumping Station</i>                   | <i>Sanitary Pumpage</i>      |                                      | <i>Screenings Collected (tons)<sup>1</sup></i> | <i>Pumpage of CSO from First Street Tunnel back to Sewer System</i> |                      |
|--|------------------------------|--------------------------------------|--|---|----------------------|
|  | <i>Total Wastewater (mg)</i> | <i>Daily Average Wastewater (mg)</i> |  | <i>Date</i>   | <i>Volume (mg)</i>   |
| Main <sup>1,2</sup>                      | 2141.51                      | 69.08                                | N/A  | N/A   | N/A                  |
| O St <sup>1,2</sup>                      | 119.12                       | 3.84                                 | N/A  | N/A   | N/A                  |
| Eastside                                 | 146.89                       | 4.74                                 | N/A  | N/A   | N/A                  |
| Poplar Point                             | 388.41                       | 12.53                                | N/A  | N/A   | N/A                  |
| Potomac                                  | 3336.75                      | 107.64                               | N/A  | N/A   | N/A                  |
| Rock Creek                               | 162.54                       | 5.24                                 | N/A  | N/A   | N/A                  |
| Upper Anacostia                          | 47.62                        | 1.54                                 | N/A  | N/A   | N/A                  |
| Earl Place                               | 0.354                        | 0.011                                | N/A  | N/A   | N/A                  |
| 1 <sup>st</sup> Street Tunnel Dewatering | N/A                          | N/A                                  | N/A  | 3/3/21<br>3/13/21<br>3/26/21  | 0.05<br>0.20<br>0.21 |

Notes:

1. Screenings collected from the Main and O Street Pumping Stations are combined from the sanitary flow and combined sewer overflows, due to the design of the screening system that consists of vertical trash racks, with no mechanical cleaning. Therefore, quantification of captured screening materials, specifically from combined sewer overflows, is not feasible.
2. Flow meters have been installed in accordance with NPDES Permit No. DC002199 to record CSO discharges from Main and O Street Pumping Stations. This data is reported via Discharge Monitoring Reports submitted to the EPA on a monthly basis. A summary of metered and modeled CSO discharges is included in Section 5.

## 2.4 Inflatable Dams and SCADA System

DC Water operates and maintains nine inflatable dams at seven different locations. Table 2-6 summarizes the date(s) the inflatable dams were inspected, and their operational status and condition. The inflatable dams consist of multi-ply elastomeric (i.e., “rubber”) fabric dams installed in major overflow conduits within the combined sewer system. The objective of the inflatable dam installation is to increase the effective depth to which the sewage must rise in the combined sewer before overflows occur. The effect of the installation is to retain a greater volume of combined sewage flow resulting from low to moderate intensity storms by maximizing storage within the CSS. During higher intensity storms, when the full carrying capacity of the overflow conduit is required to prevent upstream flooding, the dam is deflated automatically. Inflatable dam operations are summarized below:

**Table 2-6<sup>1</sup>**  
**Inflatable Dams – Inspections and Equipment in Service**

| <i>Inflatable Dam Structure No</i> | <i>Date Inspected</i> | <i>Was Dam Out of Service During the Month?</i> | <i>Dates out of Service</i> | <i>Reason</i>     | <i>Schedule to Restore to Service</i> |
|------------------------------------|-----------------------|---|-----------------------------|-------------------|---------------------------------------|
| 14 - East                          | 3/23/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 14 - West                          | 3/23/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 15                                 | 3/23/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 15A                                | 3/23/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 16 – East                          | 3/23/21               | <b>Yes</b>                                      | <b>3/23/21</b>              | <b>See Note 3</b> | <b>3/23/21</b>                        |
| 16 – West                          | 3/23/21               | <b>Yes</b>                                      | <b>3/23/21</b>              | <b>See Note 3</b> | <b>3/23/21</b>                        |
| 34                                 | 3/23/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 35                                 | 3/23/21               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>        | <b>N/A</b>                            |
| 52                                 | 3/23/21               | <b>Yes</b>                                      | <b>3/8/21</b>               | <b>See Note 2</b> | <b>3/8/21</b>                         |

Notes:

1. In previous reports, only inflatable dam outages with durations longer than 24 hours were reported in Table 2-6. Short duration outages, which did not result in overflows, were still reported in table 2-7 along with a note to explain that no overflow occurred. Moving forward, all outages will be reported in Table 2-6, and only actual overflow events will be reported in Table 2-7.
2. On 3/8/21, Structure 52 deflated due to a compressor belt failure which resulted in deflation. This was not an overflow to the river as the upstream levels were significantly lower than the low-level threshold. The compressor belt was repaired the same day and the structure was returned to service in less than 24 hours.
3. On 3/23/21, Structure 16 (E & W) deflated due to an instrumentation malfunction which resulted in deflation. This was not an overflow to the river as the upstream levels were significantly lower than the low-level threshold. Instrumentation technicians were dispatched to investigate the issue. The compressor belt was repaired the same day and the structure was returned to service in less than 24 hours.

**Table 2-7<sup>1</sup>**  
**Inflatable Dams & SCADA Sites - Wet Weather Operations**

| <i>Inflatable Dam Structure No.</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>Inflatable Dam Operational Status</i> |
|-------------------------------------|---------------------------|--|--|
| 14 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15A                                 | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 16 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 34                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 35                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 52                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
|                                     |                           |  |  |
| <i>Structures on Outfall Sewers</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>N/A</i>                               |
| Outfall Structure 1                 | None                      | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 1A                | None                      | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 2                 | None                      | N/A  |  |
| <i>Outfall Sewer Control Gates</i>  | <i>Operational Status</i> | <i>Position</i>  |  |
| Outfall Sewer Control Gate No.1     | Operational               | Open   |  |
| Outfall Sewer Control Gate No.2     | Operational               | This structure has been bulk headed. Overflows are no longer possible  |  |
| Outfall Sewer Control Gate No.2     | Operational               | This structure has been bulk headed. Overflows are no longer possible  |  |

Notes:

1. In previous reports, all inflatable dam outages were reported in Table 2-7, regardless if an overflow occurred or not. Moving forward, all outages will be reported in Table 2-6, and only actual overflow events will be reported in Table 2-7.

### **3. DRY WEATHER OVERFLOWS**

There was no dry weather combined sewer overflow reported during March 2021.

#### 4. SOLIDS AND FLOATABLES CONTROL

##### 4.1 Catch Basin Cleaning

The following tables summarize catch basin cleaning in the Anacostia CSO area and in the entire sewer system:

**Table 4-1  
Catch Basin Cleaning**

| Ward                        | Total CBs                | CBs in CSS               | Inspections             |  |   | Cleaning                    |                       |                         |           |                                     |                        |
|-----------------------------|--------------------------|--------------------------|-------------------------|--|---|-----------------------------|-----------------------|-------------------------|-----------|-------------------------------------|------------------------|
|                             |                          |                          | CBs in Anacostia CSS    | Total Anacostia CBs Inspected Once this Year | Total Anacostia CBs Inspected Twice this Year | CBs Cleaned Thru Last Month |                       | CB's Cleaned This Month |           | Total CBs Cleaned This Year to Date |                        |
|                             |                          |                          |                         | Total  | In CSS  | Total                       | In CSS                | Total                   | In CSS    |                                     |                        |
| 1                           | 1449                     | 1426                     | 652                     | 560  | 3   | 1                           | 1                     | 1                       | 1         | 2                                   | 2                      |
| 2                           | 2792                     | 2642                     | 476                     | 284  | 0   | 0                           | 0                     | 45                      | 45        | 45                                  | 45                     |
| 3                           | 3687                     | 187                      | 0                       | 0  | 0   | 210                         | 0                     | 1445                    | 0         | 1655                                | 0                      |
| 4                           | 3495                     | 1723                     | 0                       | 0  | 0   | 635                         | 0                     | 594                     | 0         | 1229                                | 0                      |
| 5                           | 4007                     | 1769                     | 1692                    | 49   | 0   | 4                           | 0                     | 3                       | 0         | 7                                   | 0                      |
| 6                           | 3316                     | 2666                     | 2647                    | 1124   | 26  | 36                          | 35                    | 66                      | 16        | 102                                 | 51                     |
| 7                           | 3785                     | 43                       | 41                      | 25   | 2   | 96                          | 2                     | 10                      | 0         | 106                                 | 2                      |
| 8                           | 2832                     | 212                      | 209                     | 1  | 0   | 1099                        | 1                     | 276                     | 0         | 1375                                | 1                      |
| <b>Grand Total</b>          | <b>25363<sup>1</sup></b> | <b>10668<sup>1</sup></b> | <b>5717<sup>1</sup></b> | <b>2043</b>                                  | <b>116</b>                                    | <b>2081<sup>2</sup></b>     | <b>39<sup>2</sup></b> | <b>2440</b>             | <b>62</b> | <b>4521<sup>2</sup></b>             | <b>101<sup>2</sup></b> |
| % Cleaned/Inspected to Date |                          |                          |                         | <b>36%</b>                                   | <b>1%</b>                                     |                             |                       |                         |           | <b>18%</b>                          | <b>1%</b>              |

Notes:

1. The number of catch basins in our service area changes with the ongoing connections and abandonments to the sewer infrastructure.
2. These are estimated counts from sewer maps until the existing Sewer Mobile APP for field data is updated and reprogrammed for use.

#### 4.2 BMP Demonstration for Solid and Floatable Control

DC WATER operates the following demonstration projects designed to remove solids and floatables from CSO prior to discharge.

- Bar Rack at CSO 040 and 041 to Rock Creek

**Table 4-2**  
**BMP Demonstration Projects – Report**

| <i>Facility</i>  | <i>Date Inspected</i> | <i>Condition</i> | <i>Work Needed</i> | <i>Work performed</i> | <i>Material Removed (LB)</i> |
|------------------|-----------------------|------------------|--------------------|-----------------------|------------------------------|
| Bar Rack CSO 040 | 03/05/21              | Good             | None               | Routine Cleaning      | (1)                          |
| Bar Rack CSO 041 | 03/11/21              | Good             | None               | Routine Cleaning      | (1)                          |

Notes:

(1) System was designed so that captured solids and floatables are conveyed to Blue Plains for treatment.

#### 4.3 Anacostia River Floating Debris Removal Program

This program was initiated in October 1992 to remove floating debris from Anacostia and Potomac Rivers on a routine basis. The program has continued from that time and is now under the auspices of DC WATER, Department of Sewer Operations. The floating debris removal program utilizes a skimmer boat and support boats to remove floatable debris from the Rivers as well as trash, which accumulates on the riverbanks and in the mud flats at low tides. Work for the most part is directed toward the Anacostia River. The boats pick up debris five days a week. Operations are summarized as follows:

**Table 4-3  
Anacostia River Floating Debris Removal Program – Summary**

|                                   |   |
|-----------------------------------|---|
| <i>Program Operation</i>          | 5-day work week, excluding holidays, weather permitting   |
| <i>Work Days this month:</i>      | 23  |
| <i>Days not Operating</i>         | 9   |
| <i>Reason not Operating</i>       | Maintenance, wind, low water levels.  |
| <i># Skimmer in Fleet</i>         | 3 Skimmers  |
| <i># Skimmers Out of Service</i>  | 3 Skimmers  |
| <i>Dates</i>                      | B32: 3/12 - 3/31. B33: 3/1 - 3/2. B34: 3/1 - 3/15.  |
| <i>Reason</i>                     | B32: Electric wiring failure. B33: Hydraulic oil leak. B34: No. 1 screen off track.                             |
| <i>Plan to Restore to Service</i> | B32: Waiting for parts ETR April 2021. B33: Returned to operations on 3/3. B34: Returned to operations on 3/16. |
| <i>Amount Material Collected</i>  | 80 tons this month. Calendar year to date 95 tons.  |
| <i>Nature of Material</i>         | Bottles, cans, natural debris and plastics.   |

#### 4.4 CSS Litter Control

This section describes DC WATER’s efforts to coordinate litter control efforts with the National Park Service and D.C. Department of Public Works to maximize litter control efforts in the combined sewer system.

No Activity this month.

## 5. MONITORING

### 5.1 Condition Report Bar Racks at Main and O Street Storm Pumps

DC Water performs visual surveys of the bar racks at Main and O Street Pumping Stations to characterize the quantity and nature of floatable discharge. The physical condition of the bar racks and any maintenance requirements are also noted.

**Table 5-1  
Bar Racks at Main & O Street Pumping Stations**

Inspector: Keith Watts

| Pumping Station                             | Inspector | Date Inspected | Condition |            | Work Order Number | Work Needed | Work Performed or Schedule for Completion |
|---|-----------|----------------|-----------|------------|-------------------|-------------|---|
|   |           |                | Good      | Needs Work |                   |             |   |
| Bar Racks at O Street Storm Pumps (CSO 010) | KW        | 3/28/21        | X         |            | 21-286417         |             |   |
| Bar Racks at Main Storm Pumps (CSO 011)     | KW        | 3/28/21        | X         |            | 21-286410         |             |   |

## **5.2 Rain Data**

Rain data from National Airport and from the rain gauges installed in the CSS are summarized below.

| Date      | Brentwood Pumping Station | Bryant Street Pumping Station | Main Pumping Station | Rock Creek Pumping Station | National Airport |
|-----------|---------------------------|-------------------------------|----------------------|----------------------------|------------------|
| 3/1/2021  | 0.27                      | 0.25                          | 0.30                 | 0.26                       | 0.29             |
| 3/2/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/3/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/4/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/5/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/6/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/7/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/8/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/9/2021  | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/10/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/11/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/12/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/13/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/14/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/15/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/16/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/17/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/18/2021 | 0.42                      | 0.46                          | 0.38                 | 0.43                       | 0.37             |
| 3/19/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/20/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/21/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/22/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/23/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/24/2021 | 1.29                      | 0.99                          | 1.58                 | 0.92                       | 1.69             |
| 3/25/2021 | 0.01                      | 0                             | 0                    | 0                          | 0                |
| 3/26/2021 | 0.01                      | 0                             | 0                    | 0                          | 0                |
| 3/27/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/28/2021 | 0.58                      | 0.58                          | 0.60                 | 0.68                       | 0.53             |
| 3/29/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/30/2021 | 0                         | 0                             | 0                    | 0                          | 0                |
| 3/31/2021 | 0.77                      | 0.70                          | 0.87                 | 0.68                       | 0.92             |
| TOTAL     | 3.35                      | 2.98                          | 3.73                 | 2.97                       | 3.80             |

### **5.3 Wet Weather Overflows**

Combined Sewer System Model Results are summarized below.

**Combined Sewer System Model Results**  
 Period: Q1 2021 (January, February, March 2021)

SCENARIO: QuarterlyReport\_2021Q1, created on 8 April 2021

| NPDES No.             | Description   | Data Source                   | Number of Overflows (Occurrences) | CSO Overflow Volume (mg) | Total Duration of Overflow (hrs) | Avg Duration of Overflow (hrs) | Maximum Duration of Overflow (hrs) | Minimum Duration of Overflow (hrs) |
|-----------------------|---|-------------------------------|-----------------------------------|--------------------------|----------------------------------|--------------------------------|------------------------------------|------------------------------------|
| <b>Anacostia CSOs</b> |   |                               |                                   |                          |                                  |                                |                                    |                                    |
| 005                   | Chicago St and Railroad Station SE                          | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 006                   | Good Hope Road, West of Nichols Ave., SE                    | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 007                   | 13 <sup>th</sup> Street and Ridge Place, SE                 | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 009                   | 2nd Street, 300 feet North of N Place, SE                   | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 010                   | O Street Sewage Pumping Station, SE (pumped Overflow)       | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 011                   | South of Main Sewage Pumping Station, SE (pumped overflow)  | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 011a                  | South of Main Sewage Pumping Station, SE (gravity overflow) | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 012                   | North of Main Sewage Pumping Station, SE (Tiber Creek)      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 013                   | 4th and N Streets, SE                                       | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 014                   | 6th and M Streets, SE                                       | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 015                   | 9th and M Streets, SE                                       | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 016                   | 12th and M Streets, SE                                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 017                   | 14th and M Streets, SE                                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 018                   | Barney Circle and Pennsylvania Ave, SE                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 019                   | Northeast Boundary  | Modeled*                      | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 019A                  | Northeast Boundary - Tunnel OF                              | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| <b>SUBTOTAL</b>       |   |                               |                                   | <b>0.00</b>              |                                  |                                |                                    |                                    |
| <b>Potomac CSOs</b>   |   |                               |                                   |                          |                                  |                                |                                    |                                    |
| 003A                  | JBAB Tunnel OF  | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 020                   | 23rd Street, North of Constitution Ave, NW (Easby Point)    | Modeled                       | 5                                 | 9.36                     | 15.50                            | 3.10                           | 4.50                               | 1.50                               |
| 021                   | Northeast of Roosevelt Bridge, NW                           | Modeled                       | 8                                 | 59.48                    | 18.75                            | 2.34                           | 4.50                               | 0.50                               |
| 022                   | 27th and K Streets, NW                                      | Modeled                       | 8                                 | 0.72                     | 33.50                            | 4.19                           | 11.75                              | 0.25                               |
| 024                   | 30th and K Streets, NW                                      | Modeled                       | 20                                | 3.00                     | 127.25                           | 6.36                           | 27.25                              | 0.25                               |
| 025                   | 31st & K St NW  | Modeled                       | 6                                 | 0.15                     | 5.75                             | 0.96                           | 3.75                               | 0.25                               |
| 026                   | Wisconsin Avenue and K St., NW                              | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 027                   | Water Street West of Street, NW                             | Modeled                       | 10                                | 3.86                     | 48.25                            | 4.83                           | 12.50                              | 0.75                               |
| 028                   | 36th and M Streets, NW                                      | Modeled                       | 19                                | 3.43                     | 131.75                           | 6.93                           | 26.00                              | 0.25                               |
| 029                   | Canal Road 1000 feet east of Rock Creek, NW                 | Modeled                       | 10                                | 3.65                     | 49.00                            | 4.90                           | 12.50                              | 0.75                               |
| <b>SUBTOTAL</b>       |   |                               |                                   | <b>83.64</b>             |                                  |                                |                                    |                                    |
| <b>Rock Creek</b>     |   |                               |                                   |                          |                                  |                                |                                    |                                    |
| 031                   | Pennsylvania Avenue, East Rock Creek, NW                    | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 032                   | 26th and M Streets, NW                                      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 033                   | N Street extended west of 25th Street, NW                   | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 034                   | 23rd and O Streets, SW                                      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 035                   | 22nd Street south of Q Street, NW                           | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 036                   | 22nd Street South of Q Street, NW                           | Modeled                       | 8                                 | 0.20                     | 17.75                            | 2.22                           | 4.50                               | 0.50                               |
| 037                   | Northwest of Belmont and Rock Creek and Potomac Parkway     | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 038                   | North of Belmont Road, east of Kalorama Circle, NW          | Modeled                       | 1                                 | 0.01                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 039                   | Connecticut Avenue east of Rock Creek, NW                   | Modeled                       | 1                                 | 0.18                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 040                   | Biltmore Street extended east of Rock Creek, NW             | Modeled                       | 1                                 | 0.18                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 041                   | Ontario extended and Rock Creek Parkway                     | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 042                   | Harvard Street and Rock Creek Parkway, NW                   | Modeled                       | 1                                 | 0.29                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 043                   | Adams Mill Road South of Irving Street, NW                  | Modeled                       | 1                                 | 0.53                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 044                   | Kenyon Street and Adams Mill Road, NW                       | Modeled                       | 1                                 | 0.27                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 045                   | Adams Mill Road and Lamont Street, NW                       | Modeled                       | 1                                 | 0.22                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 046                   | Park Road south of Piney Branch Parkway, NW                 | Modeled                       | 1                                 | 0.11                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 047                   | Ingleside Terrace extended and Piney Branch Parkway         | Modeled                       | 1                                 | 0.07                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 048                   | Mt. Pleasant Street extended and Piney Branch Parkway       | Modeled                       | 1                                 | 0.36                     | 0.25                             | 0.25                           | 0.25                               | 0.25                               |
| 049                   | Piney Branch and Lamont Street, NW                          | Modeled                       | 2                                 | 4.29                     | 1.25                             | 0.63                           | 0.75                               | 0.50                               |
| 050                   | 28th Street west of 16th Street, NW                         | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 051                   | Olive Street extended and Rock Creek Parkway, NW            | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 052                   | O Street extended and Rock Creek Parkway, NW                | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 053                   | O Street west of Rock Creek Parkway, NW                     | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 054                   | West Side of Rock Creek 300 ft. south of Mass. Ave, NW      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 056                   | Normanstone Drive extended west of Rock Creek, NW           | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 057                   | 28th Street extended west of Rock Creek, NW                 | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 058                   | Connecticut Avenue and Rock Creek Parkway, NW               | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 060                   | P St and 26 <sup>th</sup> St, NW                            | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| <b>SUBTOTAL</b>       |   |                               |                                   | <b>6.69</b>              |                                  |                                |                                    |                                    |
| <b>TOTAL</b>          |   |                               |                                   | <b>90.33</b>             |                                  |                                |                                    |                                    |

\* Overflow flow meter out of service; model output has been used for report