

**AMENDED CONSENT DECREE
SEMI-ANNUAL REPORT #5
JULY 1, 2021 – DECEMBER 31, 2021**

February 28, 2022



Sanitation District No. 1

1045 Eaton Drive
Ft. Wright, KY 41017

TABLE OF CONTENTS

SECTION 1. INTRODUCTION	1
SECTION 2. OVERFLOW DETAILS	1
2.1 Dry Weather CSOs.....	2
2.2 SSOs Caused by Operational Failures	3
2.3 SSOs at Pump Stations Caused by Typical Year Wet Weather.....	4
2.4 SSOs at Pump Stations Caused by Non-Typical Year Wet Weather.....	5
2.5 Model Predicted SSOs Caused by Typical Year Wet Weather.....	6
2.6 Model Predicted SSOs Caused by Non-Typical Year Wet Weather	15

LIST OF ACRONYMS AND ABBREVIATIONS

ACD	Amended Consent Decree
Cabinet	Kentucky Energy and Environment Cabinet
CSAP	Continuous Sewer Assessment Program
CSO	Combined Sewer Overflow
CSS	Combined Sewer System
District	Sanitation District No. 1
EPA	U.S. Environmental Protection Agency
hr	Hours
MG	Million Gallons
MH	Manhole
min	Minutes
PS	Pump Station
SD1	Sanitation District No. 1
SSO	Sanitary Sewer Overflow
UT	Unnamed Tributary

SECTION 1. INTRODUCTION

The Semi-Annual Report is submitted to fulfill the reporting requirements of Sanitation District No. 1's (SD1) Amended Consent Decree, as entered on May 22, 2019. The Amended Consent Decree is a legal agreement with the U.S. Environmental Protection Agency (EPA) and the Kentucky Energy and Environment Cabinet (Cabinet). The purpose of the Amended Consent Decree is to address sanitary sewer overflows (SSOs) in SD1's sanitary sewer system and combined sewer overflows (CSOs) in the combined sewer system, in order to improve water quality throughout SD1's service area. Specifically, Section V Reporting Requirements, states that:

47. Semi-Annual Reports. The District shall submit to the Cabinet/EPA a Semi-Annual Report no later than sixty days after the end of each six-month calendar period ending June 30 and December 31.

Information contained within this report describes SD1's compliance with Amended Consent Decree Case No. 2:05-CV-199 (WOB) for the last six months of calendar year 2021.

SECTION 2. OVERFLOW DETAILS

Paragraph 47 of the Amended Consent Decree provides the details to be included in the report:

47. The Semi-Annual Report shall include the date, time, location, estimated volume, estimated duration, receiving water (if any), cause and actions taken to respond to and repair or otherwise resolve the cause of all SSOs and dry weather CSOs occurring in the most recently completed six-month calendar period. For reported SSOs, the Semi-Annual Report shall also identify any project that may be included in Appendix C of the Amended Consent Decree or in an Updated Watershed Plan that is designed to eliminate that SSO. The Semi-Annual Report shall also include such information in a tabulated electronic format.

The Semi-Annual Report provides overflow details from multiple sources. The two categories of Dry Weather CSOs and SSOs Caused by Operational Failures are derived from records that were a result of visual confirmations of the overflows. The two categories of SSOs at Pumps Stations Caused by Typical and Non-Typical Year Wet Weather are derived from records that were a result of telemetry-based alarms of remotely sensed overflows. The two categories of Typical and Non-Typical Year Model-Predicted Wet Weather SSOs are derived from hydraulic models that are continuously updated and calibrated with a robust flow monitoring program, and simulations of wet weather events that are recorded by SD1's network of 23 rain gauges.

2.1 Dry Weather CSOs

CSO	KPDES Outfall #	Date & Time	Location (x, y)	Estimated Volume (gallons)	Duration (hrs:min)	Receiving Water	Cause	Actions
NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 SSOs Caused by Operational Failures

SSO	Date & Time	Location (x, y)	Estimated Volume (gallons)	Duration (hrs:min)	Receiving Water	Cause	Actions	Related Project
2230229	8/19/2021	38.988129 -84.395633	19,380	8:30	NA	Equipment Malfunction - Mechanical Failure	Overflow was caused by a faulty air relief valve. Release was contained by adjacent swale. Cleanup performed by removing top layer of soil and manually raked solids.	Manhole was installed to assist with valve maintenance.
2030125	10/15/2021	39.001582 -84.550283	4,636	1:02	UT Bullock Pen Creek	Blockage: Roots / Rocks	Overflow was caused by combination of roots and rock debris. Discharge areas and creek were flushed. No solids were discharged due to release occurring between manhole barrel sections.	
2410280	11/8/2021	39.005587 -84.671629	16,470	1:30	UT Gunpowder Creek	Blockage – Vandalism	½ inch PCV was discovered in manhole. PVC caused debris blockage that resulted in manhole release. Visible solids were removed from the creek and creek was flushed with water.	
2280259	11/10/2021	38.952951 -84.627955	8,235	0:45	NA	Blockage – Sticks / Debris	Overflow was caused by sticks / debris in the manhole that resulted in solids and rags blockage. Blockage was removed and lines above and below were cctv'd to ensure no further issues existed. No line jetting was necessary. The release was contained in a swale with a natural depression. Cleanup was performed by hauling away top layer of soil and raked solids.	
2301449	12/2/2021	38.956832 -84.562828	1,710	0:45	NA	Blockage - Debris	Overflow was caused by debris in the manhole. The line was jetted and the blockage was removed. The release was contained in a large depression and did not reach the creek. Small amount of solids were raked for removal. The depression area was flushed and then pumped back into the system. Seed and straw were placed at the cleanup site.	

2.3 SSOs at Pump Stations Caused by Typical Year Wet Weather

SSO	Date & Time	Location (x, y)	Estimated Volume (gallons)	Duration (hrs:min)	Receiving Water	Related Project
Highlands Heights PS	8/9/2021 1349	39.054025 -84.433493	591	0:31	Three Mile Creek	Highland Heights EQ
Enzweiler PS	8/13/2021 2116	38.980950 -84.390142	2,300	1:07	Poole's Creek	Eastern Regional 2040
Highlands Heights PS	10/7/2021 0015	39.054025 -84.433493	9,616	1:50	Three Mile Creek	Highland Heights EQ
Highlands Heights PS	10/16/2021 0003	39.054025 -84.433493	53,796	4:27	Three Mile Creek	Highland Heights EQ
Highlands Heights PS	10/28/2021 1503	39.054025 -84.433493	2,102	2:12	Three Mile Creek	Highland Heights EQ
Highlands Heights PS	10/29/2021 1824	39.054025 -84.433493	26,926	13:36	Three Mile Creek	Highland Heights EQ
Highlands Heights PS	11/11/2021 1600	39.054025 -84.433493	16,379	4:25	Three Mile Creek	Highland Heights EQ

2.4 SSOs at Pump Stations Caused by Non-Typical Year Wet Weather

SSO	Date & Time	Location (x, y)	Estimated Volume (gallons)	Duration (hrs:min)	Receiving Water	Related Project
Highlands Heights PS	8/27/2021 1847	39.054025 -84.433493	6,475	0:37	Three Mile Creek	Highland Heights EQ
Lakeview PS	8/27/2021 1923	39.029362 -84.532228	82,019	1:28	Banklick Creek	Lakeview EQ

2.5 Model Predicted SSOs Caused by Typical Year Wet Weather

SSO	Date & Time	Location (x, y)	Estimated Volume (MG)	Duration (hrs:min)	Receiving Water	Related Project
0020006	7/16/2021 15:55	39.042277, -84.418123	0.017	2:06	Fourmile Creek	Silver Grove EQ
	7/17/2021 01:30	39.042277, -84.418123	0.068	3:57	Fourmile Creek	Silver Grove EQ
	8/9/2021 14:21	39.042277, -84.418123	0.013	1:38	Fourmile Creek	Silver Grove EQ
	10/7/2021 00:35	39.042277, -84.418123	0.031	2:28	Fourmile Creek	Silver Grove EQ
	10/29/2021 19:50	39.042277, -84.418123	0.017	1:52	Fourmile Creek	Silver Grove EQ
	11/11/2021 18:10	39.042277, -84.418123	0.038	3:24	Fourmile Creek	Silver Grove EQ
	11/18/2021 08:05	39.042277, -84.418123	0.008	1:14	Fourmile Creek	Silver Grove EQ
	11/21/2021 12:15	39.042277, -84.418123	0.035	3:24	Fourmile Creek	Silver Grove EQ
	12/6/2021 05:35	39.042277, -84.418123	0.257	7:34	Fourmile Creek	Silver Grove EQ
	12/11/2021 04:05	39.042277, -84.418123	0.047	4:20	Fourmile Creek	Silver Grove EQ
	12/18/2021 07:00	39.042277, -84.418123	0.076	4:39	Fourmile Creek	Silver Grove EQ
	12/28/2021 21:20	39.042277, -84.418123	0.108	5:25	Fourmile Creek	Silver Grove EQ
0020007	7/16/2021 16:02	39.041655, -84.416948	0.003	1:53	Fourmile Creek	Silver Grove EQ
	7/17/2021 01:36	39.041655, -84.416948	0.007	3:01	Fourmile Creek	Silver Grove EQ
	8/9/2021 14:31	39.041655, -84.416948	0.002	1:18	Fourmile Creek	Silver Grove EQ

	10/7/2021 00:41	39.041655, -84.416948	0.004	2:18	Fourmile Creek	Silver Grove EQ
	11/11/2021 18:12	39.041655, -84.416948	0.005	2:45	Fourmile Creek	Silver Grove EQ
	12/6/2021 05:41	39.041655, -84.416948	0.019	5:43	Fourmile Creek	Silver Grove EQ
	12/11/2021 04:12	39.041655, -84.416948	0.003	1:37	Fourmile Creek	Silver Grove EQ
	12/18/2021 07:11	39.041655, -84.416948	0.004	1:41	Fourmile Creek	Silver Grove EQ
	12/28/2021 23:17	39.041655, -84.416948	0.007	2:38	Fourmile Creek	Silver Grove EQ
0020008	7/16/2021 16:12	39.041032, -84.415802	0.002	1:25	Fourmile Creek	Silver Grove EQ
	7/17/2021 01:42	39.041032, -84.415802	0.005	2:15	Fourmile Creek	Silver Grove EQ
	10/7/2021 00:47	39.041032, -84.415802	0.004	1:59	Fourmile Creek	Silver Grove EQ
	11/11/2021 18:12	39.041032, -84.415802	0.005	2:19	Fourmile Creek	Silver Grove EQ
	12/6/2021 05:52	39.041032, -84.415802	0.014	5:09	Fourmile Creek	Silver Grove EQ
	12/11/2021 04:24	39.041032, -84.415802	0.002	1:08	Fourmile Creek	Silver Grove EQ
	12/18/2021 07:21	39.041032, -84.415802	0.002	1:09	Fourmile Creek	Silver Grove EQ
	12/28/2021 23:32	39.041032, -84.415802	0.004	2:02	Fourmile Creek	Silver Grove EQ
0020030	7/17/2021 01:30	39.037011, -84.395755	0.001	1:34	Fourmile Creek	Ash St EQ
	12/6/2021 05:39	39.037011, -84.395755	0.003	4:23	Fourmile Creek	Ash St EQ
0060001	12/6/2021 05:10	39.054, -84.435	0.001	0:19	Threemile Creek	HH/SG Improvements (2040)
0110010	12/6/2021 04:55	39.04883, -84.455989	0.037	4:14	Threemile Creek	Licking River Siphon Conveyance Extension
	12/11/2021 03:35	39.04883, -84.455989	0.005	0:33	Threemile Creek	Licking River Siphon Conveyance Extension

0150009	7/17/2021 01:37	39.053425, -84.481907	0.020	1:21	UT to Threemile Creek	Licking River Siphon Conveyance
	12/6/2021 04:55	39.053425, -84.481907	0.203	5:29	UT to Threemile Creek	Licking River Siphon Conveyance
0150061	12/6/2021 05:53	39.048237, -84.481442	0.021	4:02	Threemile Creek	Licking River Siphon Conveyance
0150064	12/6/2021 07:15	39.048569, -84.479495	0.016	2:27	Threemile Creek	Licking River Siphon Conveyance
0150399	12/6/2021 05:05	39.049304, -84.483918	0.088	5:23	Threemile Creek	Licking River Siphon Conveyance
0340003	12/6/2021 04:55	39.098779, -84.439774	0.002	0:19	UT to Ohio River	HH/SG Improvements (2040)
0380005	12/6/2021 04:45	39.092277, -84.451739	0.002	0:24	UT to to Woodlawn Creek	Taylor Creek (2040)
0410019	12/6/2021 04:50	39.08608, -84.459029	0.008	0:59	UT to Woodlawn Creek	Taylor Creek (2040)
0430006	7/17/2021 01:35	39.095033, -84.469461	0.008	0:59	UT to Woodlawn Creek	Taylor Creek (2040)
	12/6/2021 05:05	39.095033, -84.469461	0.026	1:06	UT to Woodlawn Creek	Taylor Creek (2040)
0530083	7/17/2021 01:24	39.093628, -84.473394	0.019	1:30	UT to Woodlawn Creek	Taylor Creek (2040)
	12/6/2021 05:05	39.093628, -84.473394	0.023	1:50	UT to Woodlawn Creek	Taylor Creek (2040)
0860001	7/11/2021 10:50	39.052515, -84.494621	0.019	2:45	Licking River	Licking River Siphon EQ
	7/17/2021 01:00	39.052515, -84.494621	1.131	14:35	Licking River	Licking River Siphon EQ
	7/17/2021 22:50	39.052515, -84.494621	0.026	2:07	Licking River	Licking River Siphon EQ
	8/27/2021 21:21	39.052515, -84.494621	0.005	1:22	Licking River	Licking River Siphon EQ

	9/22/2021 17:17	39.052515, -84.494621	0.180	7:02	Licking River	Licking River Siphon EQ
	10/3/2021 14:05	39.052515, -84.494621	0.048	2:48	Licking River	Licking River Siphon EQ
	10/7/2021 00:50	39.052515, -84.494621	0.267	10:40	Licking River	Licking River Siphon EQ
	10/28/2021 15:25	39.052515, -84.494621	0.358	8:02	Licking River	Licking River Siphon EQ
	10/29/2021 17:41	39.052515, -84.494621	0.645	19:49	Licking River	Licking River Siphon EQ
	11/11/2021 16:40	39.052515, -84.494621	0.680	8:30	Licking River	Licking River Siphon EQ
	11/18/2021 06:51	39.052515, -84.494621	0.372	7:41	Licking River	Licking River Siphon EQ
	11/21/2021 10:55	39.052515, -84.494621	0.471	9:57	Licking River	Licking River Siphon EQ
	12/6/2021 04:45	39.052515, -84.494621	1.910	18:37	Licking River	Licking River Siphon EQ
	12/11/2021 03:00	39.052515, -84.494621	1.011	18:08	Licking River	Licking River Siphon EQ
	12/16/2021 17:45	39.052515, -84.494621	0.093	5:16	Licking River	Licking River Siphon EQ
	12/17/2021 19:00	39.052515, -84.494621	1.314	27:32	Licking River	Licking River Siphon EQ
	12/28/2021 13:05	39.052515, -84.494621	1.157	25:07	Licking River	Licking River Siphon EQ
0870037	7/12/2021 22:10	39.046409, -84.49485	0.002	0:10	None: Returned to CSS	James Ave Consolidation Sewer
	7/16/2021 14:55	39.046409, -84.49485	0.025	0:15	None: Returned to CSS	James Ave Consolidation Sewer
	7/17/2021 00:00	39.046409, -84.49485	0.060	1:25	None: Returned to CSS	James Ave Consolidation Sewer
	8/27/2021 17:50	39.046409, -84.49485	0.038	0:20	None: Returned to CSS	James Ave Consolidation Sewer

	12/6/2021 04:40	39.046409, -84.49485	0.016	0:25	None: Returned to CSS	James Ave Consolidation Sewer
1110067	12/6/2021 05:10	39.006569, -84.589221	0.029	4:17	Rice Creek	Lakeview (2040)
1190012	10/7/2021 02:10	39.01568, -84.608249	0.027	2:38	UT to Dry Creek	Dry Creek (2040)
	12/6/2021 05:00	39.01568, -84.608249	0.017	0:49	UT to Dry Creek	Dry Creek (2040)
1200022	10/7/2021 02:10	39.022725, -84.603567	0.010	1:52	UT to Dry Creek	Dry Creek (2040)
	12/6/2021 05:00	39.022725, -84.603567	0.003	0:19	UT to Dry Creek	Dry Creek (2040)
1220016	10/7/2021 02:10	39.028552, -84.599485	0.006	1:52	UT to Dry Creek	Dry Creek (2040)
	12/6/2021 05:00	39.028552, -84.599485	0.002	0:22	UT to Dry Creek	Dry Creek (2040)
1220054	10/7/2021 02:10	39.026306, -84.601512	0.047	3:04	UT to Dry Creek	Dry Creek (2040)
	12/6/2021 05:00	39.026306, -84.601512	0.010	0:54	UT to Dry Creek	Dry Creek (2040)
1230019	10/7/2021 02:25	39.01712, -84.615307	0.003	1:44	UT to Dry Creek	Dry Creek (2040)
	12/6/2021 05:10	39.01712, -84.615307	0.006	0:34	UT to Dry Creek	Dry Creek (2040)
1240008	10/29/2021 16:16	39.013657, -84.615784	0.008	1:26	UT to Dry Creek	Dry Creek (2040)
	11/11/2021 18:06	39.013657, -84.615784	0.004	1:07	UT to Dry Creek	Dry Creek (2040)
	11/18/2021 06:46	39.013657, -84.615784	0.004	1:19	UT to Dry Creek	Dry Creek (2040)
	12/6/2021 05:00	39.013657, -84.615784	0.059	4:38	UT to Dry Creek	Dry Creek (2040)
	12/11/2021 03:30	39.013657, -84.615784	0.011	1:14	UT to Dry Creek	Dry Creek (2040)
	12/18/2021 05:46	39.013657, -84.615784	0.012	2:19	UT to Dry Creek	Dry Creek (2040)
	12/28/2021 23:26	39.013657, -84.615784	0.006	1:35	UT to Dry Creek	Dry Creek (2040)

1550053	12/6/2021 04:50	39.047894, -84.558901	0.003	0:16	UT to to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1560092	7/1/2021 12:55	39.046501, -84.559279	0.004	0:15	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
	12/6/2021 04:50	39.046501, -84.559279	0.021	0:35	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
1760047	10/7/2021 01:55	39.002867, -84.56626	0.021	5:44	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:45	39.002867, -84.56626	0.003	0:35	UT to Bullock Pen Creek	Lakeview (2040)
	12/6/2021 04:55	39.002867, -84.56626	0.022	5:33	UT to Bullock Pen Creek	Lakeview (2040)
1760048	10/15/2021 23:45	39.003054, -84.56609	0.002	0:28	UT to Bullock Pen Creek	Lakeview (2040)
1850140	7/17/2021 00:21	39.035532, -84.501651	0.003	1:02	Banklick Creek	Banklick EQ/Conveyance
1850141	7/12/2021 22:15	39.034191, -84.501171	0.006	0:30	Banklick Creek	Banklick EQ/Conveyance
	7/16/2021 15:05	39.034191, -84.501171	0.005	0:24	Banklick Creek	Banklick EQ/Conveyance
	7/17/2021 00:10	39.034191, -84.501171	0.071	2:19	Banklick Creek	Banklick EQ/Conveyance
	8/27/2021 17:55	39.034191, -84.501171	0.035	1:03	Banklick Creek	Banklick EQ/Conveyance
	9/5/2021 02:35	39.034191, -84.501171	0.002	0:33	Banklick Creek	Banklick EQ/Conveyance
	10/3/2021 04:35	39.034191, -84.501171	0.006	1:47	Banklick Creek	Banklick EQ/Conveyance
	10/6/2021 23:35	39.034191, -84.501171	0.047	4:35	Banklick Creek	Banklick EQ/Conveyance
	10/28/2021 14:25	39.034191, -84.501171	0.005	0:43	Banklick Creek	Banklick EQ/Conveyance
	11/11/2021 16:00	39.034191, -84.501171	0.024	2:44	Banklick Creek	Banklick EQ/Conveyance
	12/6/2021 04:45	39.034191, -84.501171	0.056	4:34	Banklick Creek	Banklick EQ/Conveyance

	12/11/2021 03:30	39.034191, -84.501171	0.002	0:24	Banklick Creek	Banklick EQ/Conveyance
	12/18/2021 05:20	39.034191, -84.501171	0.018	2:08	Banklick Creek	Banklick EQ/Conveyance
	12/28/2021 23:10	39.034191, -84.501171	0.015	1:29	Banklick Creek	Banklick EQ/Conveyance
1860108	7/17/2021 00:25	39.036049, -84.508653	0.053	5:24	Banklick Creek	Banklick EQ/Conveyance
	8/27/2021 18:00	39.036049, -84.508653	0.009	0:29	Banklick Creek	Banklick EQ/Conveyance
	10/7/2021 01:15	39.036049, -84.508653	0.004	2:04	Banklick Creek	Banklick EQ/Conveyance
	12/6/2021 04:55	39.036049, -84.508653	0.083	6:03	Banklick Creek	Banklick EQ/Conveyance
	12/18/2021 06:40	39.036049, -84.508653	0.006	1:23	Banklick Creek	Banklick EQ/Conveyance
	12/28/2021 23:30	39.036049, -84.508653	0.008	1:59	Banklick Creek	Banklick EQ/Conveyance
1930007	12/6/2021 05:00	39.062497, -84.480293	0.004	0:53	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
1940024	12/6/2021 05:00	39.039696, -84.538356	0.001	0:27	Moser's Branch	Lakeview (2040)
1940027	12/6/2021 04:50	39.041449, -84.540022	0.016	0:39	Moser's Branch	Lakeview (2034)
1950010	8/27/2021 21:52	39.034633, -84.529224	0.019	1:48	Banklick Creek	Lakeview (2040)
	12/6/2021 09:00	39.034633, -84.529224	0.073	3:19	Banklick Creek	Lakeview (2040)
1950036	7/17/2021 02:42	39.04516, -84.519178	0.052	2:33	UT to Banklick Creek	Lakeview (2040)
	12/6/2021 09:40	39.04516, -84.519178	0.001	0:10	UT to Banklick Creek	Lakeview (2040)
2020035	7/17/2021 00:15	38.992666, -84.519138	0.058	2:44	Wayman or Hands Branch	Lakeview (2040)

	10/15/2021 23:35	38.992666, -84.519138	0.033	1:34	Wayman or Hands Branch	Lakeview (2040)
	12/6/2021 04:40	38.992666, -84.519138	0.089	6:17	Wayman or Hands Branch	Lakeview (2040)
	12/11/2021 03:15	38.992666, -84.519138	0.010	0:58	Wayman or Hands Branch	Lakeview (2040)
2020203	7/17/2021 00:20	38.992253, -84.518312	0.007	1:22	Waymans Branch	Lakeview (2040)
	10/15/2021 23:35	38.992253, -84.518312	0.004	0:44	Waymans Branch	Lakeview (2040)
	12/6/2021 04:45	38.992253, -84.518312	0.002	0:29	Waymans Branch	Lakeview (2040)
2020860	7/17/2021 00:20	38.991807, -84.518144	0.004	1:10	Waymans Branch	Waymans Branch Upsize
	10/15/2021 23:35	38.991807, -84.518144	0.003	0:37	Waymans Branch	Waymans Branch Upsize
2030144	8/10/2021 10:05	39.004239, -84.553084	0.002	0:39	UT to Bullock Pen Creek	Not Applicable
2100057	12/6/2021 05:05	39.001294, -84.611764	0.002	0:44	UT to Bullock Pen Creek	Lakeview (2040)
2100126	12/6/2021 05:05	39.001555, -84.6123	0.005	0:30	UT to Bullock Pen Creek	Lakeview (2040)
2110006	10/7/2021 02:15	39.004057, -84.606363	0.085	3:04	UT to Bullock Pen Creek	Lakeview (2040)
	12/6/2021 05:10	39.004057, -84.606363	0.037	1:19	UT to Bullock Pen Creek	Lakeview (2040)
2120041	7/1/2021 04:35	39.007017, -84.603772	0.002	0:15	UT to Bullock Pen Creek	Lakeview (2040)
	7/16/2021 15:05	39.007017, -84.603772	0.002	0:14	UT to Bullock Pen Creek	Lakeview (2040)
	12/6/2021 05:05	39.007017, -84.603772	0.002	0:14	UT to Bullock Pen Creek	Lakeview (2040)
2210050	8/13/2021 21:40	38.980709, -84.390543	0.002	0:52	UT to Tug Creek	Eastern Regional (2040)
	12/6/2021 07:56	38.980709, -84.390543	0.007	2:59	UT to Tug Creek	Eastern Regional (2040)

2300011	10/7/2021 03:26	38.985, -84.538	0.004	1:14	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
	12/6/2021 07:27	38.985, -84.538	0.031	5:06	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
2300013	10/7/2021 03:15	38.984153, -84.539668	0.162	7:33	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
	12/6/2021 07:20	38.984153, -84.539668	0.173	6:24	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
	12/29/2021 00:10	38.984153, -84.539668	0.027	1:49	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
2300019	10/7/2021 03:42	38.978, -84.543	0.016	2:50	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
2300027	10/7/2021 03:55	38.975, -84.549	0.017	2:14	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
2300121	10/7/2021 02:50	38.943, -84.579	0.052	2:23	Banklick Creek	Western Regional (2034)
2301219	10/7/2021 03:20	38.980638, -84.541256	0.096	5:18	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
	12/6/2021 07:45	38.980638, -84.541256	0.080	4:07	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)

2.6 Model Predicted SSOs Caused by Non-Typical Year Wet Weather

SSO	Date & Time	Location	Estimated Volume (MG)	Duration (hrs:min)	Receiving Water	Related Project
C1840136	7/13/2021 17:05	39.051144, -84.511458	0.018	0:10	Licking River	Not Applicable
	10/15/2021 23:45	39.051144, -84.511458	0.030	0:15	Licking River	Not Applicable
C0630068	10/15/2021 23:35	39.100317, -84.489405	0.014	0:10	None: Returned to CSS	Not Applicable
C1880087	10/15/2021 23:35	39.037625, -84.48977	0.012	0:20	Licking River	Not Applicable
0020006	10/16/2021 00:15	39.042277, -84.418123	0.131	4:39	Fourmile Creek	Silver Grove EQ
0020007	10/16/2021 00:25	39.041655, -84.416948	0.011	4:11	Fourmile Creek	Silver Grove EQ
0020008	10/16/2021 00:33	39.041032, -84.415802	0.011	3:50	Fourmile Creek	Silver Grove EQ
0020030	10/16/2021 00:08	39.037011, -84.395755	0.002	3:22	Fourmile Creek	Ash St EQ
0020032	10/16/2021 00:25	39.043, -84.42	0.004	0:20	Fourmile Creek	HH/SG Improvements (2040)
0040003	10/15/2021 23:55	39.058364, -84.443599	0.003	0:15	UT to Threemile Creek	HH/SG Improvements (2040)
0050022	10/15/2021 23:55	39.057312, -84.443133	0.003	0:15	UT to Threemile Creek	HH/SG Improvements (2040)
0050131	10/16/2021 00:05	39.054857, -84.433274	0.001	0:16	Threemile Creek	HH/SG Improvements (2040)
0060001	10/16/2021 00:00	39.054, -84.435	0.006	0:27	Threemile Creek	HH/SG Improvements (2040)
0060002	10/16/2021 00:00	39.053526, -84.435877	0.004	0:20	Threemile Creek	HH/SG Improvements (2040)

0060004	10/16/2021 00:00	39.053, -84.436	0.002	0:15	Threemile Creek	HH/SG Improvements (2040)
0110010	7/17/2021 01:22	39.04883, -84.455989	0.008	1:17	Threemile Creek	Licking River Siphon Conveyance Extension
	10/16/2021 00:05	39.04883, -84.455989	0.005	0:25	Threemile Creek	Licking River Siphon
0150009	7/13/2021 17:30	39.053425, -84.481907	0.050	1:43	UT to Threemile Creek	Licking River Siphon Conveyance
	10/16/2021 00:15	39.053425, -84.481907	0.110	1:30	UT to Threemile Creek	Licking River Siphon Conveyance
0150086	10/16/2021 00:10	39.053303, -84.460735	0.002	0:15	Threemile Creek	Licking River Siphon Conveyance Extension
0150399	10/16/2021 00:24	39.049304, -84.483918	0.010	0:40	Threemile Creek	Licking River Siphon Conveyance
0220056	10/16/2021 00:05	39.066994, -84.454804	0.003	0:38	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
0220086	10/16/2021 00:00	39.064285, -84.456303	0.006	0:25	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
0230011	10/15/2021 23:30	39.071213, -84.460748	0.003	0:15	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
0230016	7/13/2021 16:50	39.071407, -84.460345	0.002	0:23	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
	10/15/2021 23:30	39.071407, -84.460345	0.017	0:30	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
0250002	10/15/2021 23:35	39.072465, -84.459321	0.003	0:10	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
0270026	10/15/2021 23:50	39.074989, -84.451222	0.026	0:49	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
0280001	10/15/2021 23:55	39.075061, -84.440902	0.012	0:25	UT to Ohio River	HH/SG Improvements (2040)

0280073	10/15/2021 23:55	39.074935, -84.441061	0.003	0:15	UT to Ohio River	HH/SG Improvements (2040)
0300002	10/15/2021 23:30	39.084349, -84.446192	0.007	0:20	UT to to Ohio River	HH/SG Improvements (2040)
0300003	10/15/2021 23:35	39.084091, -84.446613	0.001	0:10	UT Ohio River	Not Applicable
0300004	7/13/2021 13:45	39.084161, -84.447518	0.001	0:10	UT to to Ohio River	HH/SG Improvements (2040)
	10/15/2021 23:30	39.084161, -84.447518	0.011	0:20	UT to to Ohio River	HH/SG Improvements (2040)
0300007	10/15/2021 23:35	39.084197, -84.44809	0.001	0:10	UT Ohio River	Not Applicable
0300035	7/13/2021 13:45	39.084106, -84.44618	0.029	3:35	UT to Ohio River	HH/SG Improvements (2040)
	10/15/2021 23:30	39.084106, -84.44618	0.029	0:40	UT to Ohio River	HH/SG Improvements (2040)
0300049	10/15/2021 23:35	39.083371, -84.446233	0.005	0:15	UT to to Ohio River	HH/SG Improvements (2040)
0300058	10/15/2021 23:50	39.081661, -84.446233	0.003	0:15	UT to Ohio River	HH/SG Improvements (2040)
0310059	10/15/2021 23:35	39.084984, -84.445088	0.002	0:14	UT to Ohio River	HH/SG Improvements (2040)
0340003	7/13/2021 17:15	39.098779, -84.439774	0.018	0:54	UT to Ohio River	HH/SG Improvements (2040)
0380005	7/13/2021 13:45	39.092277, -84.451739	0.052	4:14	UT to to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:30	39.092277, -84.451739	0.050	0:40	UT to to Woodlawn Creek	Taylor Creek (2040)
0380006	10/15/2021 23:35	39.091957, -84.453371	0.007	0:15	UT Woodlawn Creek	Taylor Creek (2040)
0380028	10/15/2021 23:35	39.092401, -84.451778	0.009	0:20	UT to Woodlawn Creek	Waterworks Rd Conveyance (2029)
0380031	10/15/2021 23:35	39.092508, -84.451791	0.010	0:15	UT to Woodlawn Creek	Waterworks Rd Conveyance (2029)

0390006	7/12/2021 21:20	39.101429, -84.456785	0.001	0:18	UT to Taylor Creek	Taylor Creek (2040)
	10/15/2021 22:40	39.101429, -84.456785	0.001	0:15	UT to Taylor Creek	Taylor Creek (2040)
0390007	7/12/2021 21:20	39.101019, -84.456644	0.004	0:15	UT to Taylor Creek	Taylor Creek (2040)
	10/15/2021 22:40	39.101019, -84.456644	0.004	0:15	UT to Taylor Creek	Taylor Creek (2040)
0390012	10/15/2021 23:35	39.097833, -84.455201	0.001	0:10	UT Taylor Creek	Not Applicable
0410001	7/13/2021 17:10	39.093032, -84.464007	0.012	0:30	UT to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:55	39.093032, -84.464007	0.009	0:20	UT to Woodlawn Creek	Taylor Creek (2040)
0410010	10/15/2021 23:45	39.088912, -84.461262	0.002	0:18	UT to to Woodlawn Creek	Taylor Creek (2040)
0410019	7/13/2021 13:55	39.08608, -84.459029	0.035	5:07	UT to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:40	39.08608, -84.459029	0.014	0:54	UT to Woodlawn Creek	Taylor Creek (2040)
0410115	7/13/2021 17:10	39.090654, -84.462333	0.002	0:15	UT to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:45	39.090654, -84.462333	0.018	0:20	UT to Woodlawn Creek	Taylor Creek (2040)
0430006	7/13/2021 14:10	39.095033, -84.469461	0.086	5:14	UT to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:50	39.095033, -84.469461	0.038	0:60	UT to Woodlawn Creek	Taylor Creek (2040)
0430107	7/13/2021 17:15	39.094213, -84.46625	0.016	0:50	UT to Woodlawn Creek	Taylor Creek (2040)

	10/16/2021 00:00	39.094213, -84.46625	0.009	0:25	UT to Woodlawn Creek	Taylor Creek (2040)
0490035	7/13/2021 17:05	39.07814, -84.477896	0.005	0:29	UT to to Woodlawn Creek	Not Applicable
	10/15/2021 23:45	39.07814, -84.477896	0.003	0:20	UT to to Woodlawn Creek	Not Applicable
0490137	7/13/2021 17:00	39.078708, -84.479448	0.009	0:44	UT to to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:41	39.078708, -84.479448	0.004	0:27	UT to to Woodlawn Creek	Taylor Creek (2040)
0500047	7/13/2021 17:00	39.079133, -84.480473	0.055	0:50	UT to to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:40	39.079133, -84.480473	0.051	0:30	UT to to Woodlawn Creek	Taylor Creek (2040)
0500048	10/15/2021 23:40	39.078687, -84.480074	0.010	0:15	UT to to Woodlawn Creek	Not Applicable
0530083	7/13/2021 14:15	39.093628, -84.473394	0.065	5:44	UT to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:50	39.093628, -84.473394	0.017	1:14	UT to Woodlawn Creek	Taylor Creek (2040)
0550015	7/12/2021 21:20	39.10242, -84.474271	0.006	0:15	Chadwick Branch	Not Applicable
	10/15/2021 22:40	39.10242, -84.474271	0.013	0:15	Chadwick Branch	Not Applicable
0600044	7/12/2021 21:20	39.10976, -84.480813	0.001	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 22:40	39.10976, -84.480813	0.012	0:15	None: Returned to CSS	Not Applicable

0610023	10/15/2021 22:40	39.102693, -84.478409	0.005	0:15	UT to Covert Run	Not Applicable
0610055	10/15/2021 22:40	39.102749, -84.480753	0.006	0:15	None: Returned to CSS	Not Applicable
0610067	10/15/2021 22:40	39.101471, -84.47941	0.006	0:15	None: Returned to CSS	Not Applicable
0620040	10/15/2021 22:40	39.102915, -84.48743	0.009	0:10	Ohio River	Not Applicable
0620057	7/11/2021 07:20	39.10153, -84.48266	0.004	0:15	None: Returned to CSS	Not Applicable
	7/12/2021 21:20	39.10153, -84.48266	0.025	0:15	None: Returned to CSS	Not Applicable
	10/15/2021 22:40	39.10153, -84.48266	0.044	0:20	None: Returned to CSS	Not Applicable
0670045	10/15/2021 23:35	39.09324, -84.490476	0.005	0:10	Ohio River	Not Applicable
0680040	10/15/2021 23:35	39.091474, -84.487762	0.007	0:10	Ohio River	Not Applicable
0710071	7/13/2021 17:00	39.077833, -84.48444	0.002	0:19	UT to to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:40	39.077833, -84.48444	0.006	0:20	UT to to Woodlawn Creek	Taylor Creek (2040)
0730023	10/15/2021 23:35	39.085676, -84.486999	0.005	0:15	UT Licking River	Not Applicable
0730034	10/15/2021 23:30	39.078995, -84.494078	0.046	0:20	UT Licking River	Not Applicable
0750039	10/15/2021 23:35	39.085682, -84.488221	0.002	0:10	Ohio River	Not Applicable
0760047	7/12/2021 22:10	39.090159, -84.49019	0.009	0:10	None: Returned to CSS	Not Applicable

	10/15/2021 23:35	39.090159, -84.49019	0.012	0:10	None: Returned to CSS	Not Applicable
0760048	10/15/2021 23:35	39.090391, -84.490407	0.002	0:10	None: Returned to CSS	Not Applicable
0760059	10/15/2021 23:35	39.088328, -84.488531	0.004	0:10	Ohio River	Not Applicable
0760060	10/15/2021 23:35	39.088017, -84.488247	0.003	0:10	Ohio River	Not Applicable
0760067	10/15/2021 23:35	39.087707, -84.487964	0.005	0:10	Ohio River	Not Applicable
0780055	7/12/2021 22:10	39.090033, -84.496301	0.014	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 23:35	39.090033, -84.496301	0.022	0:10	None: Returned to CSS	Not Applicable
0780062	7/12/2021 22:10	39.089097, -84.495392	0.006	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 23:35	39.089097, -84.495392	0.012	0:10	None: Returned to CSS	Not Applicable
0780084	7/12/2021 22:10	39.090297, -84.495817	0.005	0:15	None: Returned to CSS	Not Applicable
	8/10/2021 09:00	39.090297, -84.495817	0.001	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 23:35	39.090297, -84.495817	0.006	0:15	None: Returned to CSS	Not Applicable
0780091	7/12/2021 22:10	39.090563, -84.495334	0.021	0:15	None: Returned to CSS	Not Applicable
	8/10/2021 09:00	39.090563, -84.495334	0.008	0:10	None: Returned to CSS	Not Applicable

	10/15/2021 23:30	39.090563, -84.495334	0.038	0:20	None: Returned to CSS	Not Applicable
0780092	7/12/2021 22:10	39.090831, -84.494848	0.015	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 23:30	39.090831, -84.494848	0.033	0:15	None: Returned to CSS	Not Applicable
0820078	7/12/2021 22:10	39.089982, -84.498653	0.017	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 23:30	39.089982, -84.498653	0.036	0:20	None: Returned to CSS	Not Applicable
0830058	7/12/2021 22:10	39.085144, -84.49976	0.019	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 23:30	39.085144, -84.49976	0.043	0:20	None: Returned to CSS	Not Applicable
0840069	10/15/2021 23:35	39.081907, -84.496801	0.006	0:10	Licking River	Not Applicable
0860001	7/1/2021 01:45	39.052515, -84.494621	0.413	22:19	Licking River	Licking River Siphon EQ
	7/13/2021 17:00	39.052515, -84.494621	0.893	8:59	Licking River	Licking River Siphon EQ
	10/16/2021 00:10	39.052515, -84.494621	0.858	13:29	Licking River	Licking River Siphon EQ
0870019	10/15/2021 23:35	39.046782, -84.493417	0.003	0:19	UT to to Licking River	CSS Conveyance Improvements
0870026	10/15/2021 23:35	39.04494, -84.493737	0.008	0:10	UT to Licking River	Not Applicable
0870037	7/1/2021 20:45	39.046409, -84.49485	0.017	0:15	None: Returned to CSS	James Ave Consolidation Sewer
	7/13/2021 16:50	39.046409, -84.49485	0.161	0:55	None: Returned to CSS	James Ave Consolidation Sewer

	10/15/2021 23:30	39.046409, -84.49485	0.221	0:30	None: Returned to CSS	James Ave Consolidation Sewer
0870043	10/15/2021 23:35	39.047482, -84.497318	0.013	0:10	UT to Licking River	Not Applicable
0870068	10/15/2021 23:35	39.04469, -84.497628	0.057	0:15	UT to Licking River	Not Applicable
0870071	10/15/2021 23:35	39.047956, -84.494183	0.003	0:10	UT to Licking River	Not Applicable
0870087	10/15/2021 23:35	39.044698, -84.497585	0.012	0:15	UT to Licking River	Not Applicable
0870088	10/15/2021 23:35	39.047141, -84.496754	0.015	0:15	UT to Licking River	Not Applicable
0880007	10/15/2021 23:35	39.052828, -84.499242	0.014	0:15	Licking River	Not Applicable
0880032	10/15/2021 23:35	39.048628, -84.499203	0.005	0:15	Licking River	Not Applicable
0880037	10/15/2021 23:35	39.047518, -84.499237	0.002	0:10	Licking River	Not Applicable
0880038	10/15/2021 23:35	39.046248, -84.499232	0.012	0:15	UT to Licking River	Not Applicable
0890064	7/13/2021 16:55	39.054849, -84.504816	0.033	0:20	None: Returned to CSS	Not Applicable
	10/15/2021 23:45	39.054849, -84.504816	0.015	0:15	None: Returned to CSS	Not Applicable
0920007	7/13/2021 17:05	39.063087, -84.500819	0.113	0:20	Licking River	Not Applicable
0940023	7/12/2021 22:15	39.068571, -84.503285	0.007	0:10	Licking River	Not Applicable
	7/13/2021 16:55	39.068571, -84.503285	0.019	0:20	Licking River	Not Applicable
	10/15/2021 23:45	39.068571, -84.503285	0.019	0:15	Licking River	Not Applicable
0940027	7/12/2021 22:15	39.068515, -84.503758	0.005	0:10	None: Returned to CSS	Not Applicable

	7/13/2021 16:55	39.068515, -84.503758	0.013	0:20	None: Returned to CSS	Not Applicable
	10/15/2021 23:40	39.068515, -84.503758	0.014	0:20	None: Returned to CSS	Not Applicable
0940031	7/12/2021 22:15	39.068387, -84.504614	0.007	0:10	Licking River	Not Applicable
	7/13/2021 16:55	39.068387, -84.504614	0.019	0:15	Licking River	Not Applicable
	10/15/2021 23:40	39.068387, -84.504614	0.021	0:19	Licking River	Not Applicable
0940116	10/15/2021 23:45	39.068401, -84.504558	0.002	0:10	Licking River	Not Applicable
0970014	10/15/2021 23:35	39.077005, -84.50515	0.004	0:10	Licking River	Not Applicable
0980061	10/15/2021 23:35	39.077254, -84.503562	0.019	0:15	Licking River	Not Applicable
0980089	10/15/2021 23:35	39.076234, -84.503279	0.036	0:15	Licking River	Not Applicable
0990013	10/15/2021 23:40	39.079936, -84.457695	0.002	0:19	UT to to Woodlawn Creek	Taylor Creek (2040)
0990020	10/15/2021 23:40	39.079656, -84.45734	0.003	0:15	UT to to Woodlawn Creek	Taylor Creek (2040)
1010002	7/13/2021 14:00	39.084794, -84.459673	0.016	4:09	UT to to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:45	39.084794, -84.459673	0.008	0:39	UT to to Woodlawn Creek	Taylor Creek (2040)
1010026	7/13/2021 17:00	39.083802, -84.456992	0.009	0:53	UT to to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:40	39.083802, -84.456992	0.006	0:34	UT to to Woodlawn Creek	Taylor Creek (2040)

1010027	7/13/2021 17:00	39.083566, -84.45618	0.008	0:37	UT to to Woodlawn Creek	Taylor Creek (2040)
	10/15/2021 23:40	39.083566, -84.45618	0.010	0:30	UT to to Woodlawn Creek	Taylor Creek (2040)
1040074	8/27/2021 18:00	38.971953, -84.606024	0.001	0:19	UT to Bullock Pen Creek	Not Applicable
1090069	8/27/2021 17:25	39.004466, -84.575876	0.067	1:39	UT to to Bullock Pen Creek	Lakeview (2040)
1100121	8/27/2021 17:40	39.005961, -84.568685	0.009	0:50	UT to Bullock Pen Creek	Not Applicable
1100130	8/27/2021 17:45	39.005638, -84.575715	0.002	0:24	UT Bullock Pen Creek	Lakeview (2040)
1110027	10/15/2021 23:55	39.007487, -84.590242	0.001	0:14	Rice Creek	Lakeview (2040)
1110051	7/13/2021 17:05	39.010608, -84.598219	0.004	0:23	Rice Creek	Lakeview (2040)
	10/15/2021 23:55	39.010608, -84.598219	0.003	0:20	Rice Creek	Lakeview (2040)
1110067	7/12/2021 22:30	39.006569, -84.589221	0.003	0:23	Rice Creek	Lakeview (2040)
	7/13/2021 17:10	39.006569, -84.589221	0.026	1:05	Rice Creek	Lakeview (2040)
	7/17/2021 01:35	39.006569, -84.589221	0.001	0:19	Rice Creek	Lakeview (2040)
	8/27/2021 17:25	39.006569, -84.589221	0.026	1:44	Rice Creek	Lakeview (2040)
	10/16/2021 00:00	39.006569, -84.589221	0.016	0:55	Rice Creek	Lakeview (2040)
1110161 1110161	7/13/2021 17:05	39.01065, -84.595484	0.022	0:45	UT to to Rice Creek	Lakeview (2040)
	8/27/2021 17:25	39.01065, -84.595484	0.016	1:23	UT to to Rice Creek	Lakeview (2040)
	10/15/2021 23:55	39.01065, -84.595484	0.018	0:35	UT to to Rice Creek	Lakeview (2040)
1110164	7/13/2021 17:05	39.010722, -84.597225	0.002	0:32	Rice Creek	Lakeview (2040)

	8/27/2021 18:20	39.010722, -84.597225	0.002	0:24	Rice Creek	Lakeview (2040)
	10/15/2021 23:55	39.010722, -84.597225	0.002	0:33	Rice Creek	Lakeview (2040)
1110174	7/13/2021 17:05	39.010843, -84.599667	0.002	0:19	Rice Creek	Lakeview (2040)
	10/15/2021 23:55	39.010843, -84.599667	0.004	0:20	Rice Creek	Lakeview (2040)
1120001	7/13/2021 17:05	39.012461, -84.596117	0.004	0:19	UT Rice Creek	Lakeview (2040)
	10/15/2021 23:55	39.012461, -84.596117	0.004	0:15	UT Rice Creek	Lakeview (2040)
1120029	7/13/2021 17:05	39.012707, -84.596744	0.002	0:19	UT Rice Creek	Lakeview (2040)
	10/15/2021 23:55	39.012707, -84.596744	0.002	0:18	UT Rice Creek	Lakeview (2040)
1190001	7/13/2021 17:00	39.015782, -84.610075	0.016	0:59	UT to to Dry Creek	Dry Creek (2040)
	8/27/2021 18:10	39.015782, -84.610075	0.001	0:19	UT to to Dry Creek	Dry Creek (2040)
	10/15/2021 23:50	39.015782, -84.610075	0.011	0:32	UT to to Dry Creek	Dry Creek (2040)
1190012	7/12/2021 22:10	39.01568, -84.608249	0.012	0:29	UT to Dry Creek	Dry Creek (2040)
	7/13/2021 16:55	39.01568, -84.608249	0.188	5:32	UT to Dry Creek	Dry Creek (2040)
	7/17/2021 00:35	39.01568, -84.608249	0.059	3:53	UT to Dry Creek	Dry Creek (2040)
	8/27/2021 17:10	39.01568, -84.608249	0.038	1:35	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:45	39.01568, -84.608249	0.071	1:32	UT to Dry Creek	Dry Creek (2040)
1200001	7/13/2021 16:55	39.024181, -84.601927	0.006	0:50	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:45	39.024181, -84.601927	0.002	0:15	UT to Dry Creek	Dry Creek (2040)
1200017	7/13/2021 16:55	39.023263, -84.602515	0.002	0:20	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:45	39.023263, -84.602515	0.001	0:14	UT to Dry Creek	Dry Creek (2040)

1200022	7/12/2021 22:10	39.022725, -84.603567	0.008	0:20	UT to Dry Creek	Dry Creek (2040)
	7/13/2021 16:55	39.022725, -84.603567	0.134	4:21	UT to Dry Creek	Dry Creek (2040)
	7/17/2021 01:05	39.022725, -84.603567	0.031	1:35	UT to Dry Creek	Dry Creek (2040)
	8/27/2021 17:10	39.022725, -84.603567	0.045	1:54	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:45	39.022725, -84.603567	0.041	1:26	UT to Dry Creek	Dry Creek (2040)
1200035	7/13/2021 16:55	39.021471, -84.60572	0.018	0:58	UT to Dry Creek	Dry Creek (2040)
	8/27/2021 18:05	39.021471, -84.60572	0.003	0:24	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:45	39.021471, -84.60572	0.007	0:19	UT to Dry Creek	Dry Creek (2040)
1200050	7/13/2021 16:55	39.020769, -84.606775	0.002	0:20	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:45	39.020769, -84.606775	0.002	0:10	UT to Dry Creek	Dry Creek (2040)
1220016	7/12/2021 22:10	39.028552, -84.599485	0.006	0:20	UT to Dry Creek	Dry Creek (2040)
	7/13/2021 16:55	39.028552, -84.599485	0.047	6:19	UT to Dry Creek	Dry Creek (2040)
	7/17/2021 01:05	39.028552, -84.599485	0.014	1:45	UT to Dry Creek	Dry Creek (2040)
	8/27/2021 17:09	39.028552, -84.599485	0.035	2:54	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:45	39.028552, -84.599485	0.019	1:37	UT to Dry Creek	Dry Creek (2040)
1220054	7/12/2021 22:10	39.026306, -84.601512	0.010	0:29	UT to Dry Creek	Dry Creek (2040)
	7/13/2021 16:55	39.026306, -84.601512	0.210	6:57	UT to Dry Creek	Dry Creek (2040)
	7/17/2021 00:35	39.026306, -84.601512	0.068	3:56	UT to Dry Creek	Dry Creek (2040)
	8/27/2021 17:10	39.026306, -84.601512	0.064	2:25	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:45	39.026306, -84.601512	0.061	2:23	UT to Dry Creek	Dry Creek (2040)

1220058	7/13/2021 16:55	39.025705, -84.601694	0.006	0:20	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:45	39.025705, -84.601694	0.004	0:15	UT to Dry Creek	Dry Creek (2040)
1230019	7/13/2021 17:00	39.01712, -84.615307	0.100	4:09	UT to Dry Creek	Dry Creek (2040)
	7/17/2021 01:15	39.01712, -84.615307	0.039	1:58	UT to Dry Creek	Dry Creek (2040)
	8/27/2021 18:15	39.01712, -84.615307	0.004	0:24	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:50	39.01712, -84.615307	0.041	1:43	UT to Dry Creek	Dry Creek (2040)
1230020	7/13/2021 17:00	39.016998, -84.614652	0.022	1:08	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:50	39.016998, -84.614652	0.005	0:21	UT to Dry Creek	Dry Creek (2040)
1230028	7/13/2021 17:00	39.01671, -84.614096	0.069	3:25	UT to Dry Creek	Dry Creek (2040)
	7/17/2021 01:20	39.01671, -84.614096	0.007	0:59	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:50	39.01671, -84.614096	0.013	0:49	UT to Dry Creek	Dry Creek (2040)
1230031	7/13/2021 17:00	39.016179, -84.612386	0.004	0:58	UT to Dry Creek	Dry Creek (2040)
1230036	7/13/2021 17:05	39.016461, -84.610631	0.001	0:14	UT to Dry Creek	Not Applicable
1240008	7/13/2021 17:00	39.013657, -84.615784	0.084	3:22	UT to Dry Creek	Dry Creek (2040)
	7/17/2021 00:36	39.013657, -84.615784	0.073	2:58	UT to Dry Creek	Dry Creek (2040)
	8/27/2021 17:25	39.013657, -84.615784	0.016	1:44	UT to Dry Creek	Dry Creek (2040)
	10/15/2021 23:50	39.013657, -84.615784	0.064	2:19	UT to Dry Creek	Dry Creek (2040)
1240012	7/13/2021 17:15	39.013, -84.616	0.008	0:59	UT to to Dry Creek	Dry Creek (2040)
	7/17/2021 01:20	39.013, -84.616	0.015	1:04	UT to to Dry Creek	Dry Creek (2040)
	10/15/2021 23:55	39.013, -84.616	0.023	1:09	UT to to Dry Creek	Dry Creek (2040)

1240013	10/16/2021 00:00	39.01192, -84.615265	0.006	0:39	UT to Dry Creek	Dry Creek (2040)
1290054	7/13/2021 17:05	39.056, -84.521	0.001	0:12	No Waterway Affected	Not Applicable
1300005	7/13/2021 17:20	39.062, -84.516	0.001	0:47	No Waterway Affected	Not Applicable
1300007	7/13/2021 17:10	39.060048, -84.515527	0.019	0:54	Ohio River	Not Applicable
1310067	7/12/2021 22:10	39.06024, -84.507998	0.019	0:20	None: Returned to CSS	Not Applicable
	7/13/2021 13:50	39.06024, -84.507998	0.044	3:27	None: Returned to CSS	Not Applicable
	7/17/2021 00:30	39.06024, -84.507998	0.005	0:15	None: Returned to CSS	Not Applicable
	10/15/2021 23:40	39.06024, -84.507998	0.044	0:25	None: Returned to CSS	Not Applicable
1330022	7/13/2021 17:00	39.062389, -84.525742	0.004	0:15	Ohio River	Not Applicable
	10/15/2021 23:45	39.062389, -84.525742	0.005	0:15	Ohio River	Not Applicable
1360091	10/15/2021 23:35	39.071236, -84.510273	0.006	0:10	Ohio River	Not Applicable
1380084	7/13/2021 16:45	39.071664, -84.531237	0.011	0:20	Ohio River	Not Applicable
	10/15/2021 23:35	39.071664, -84.531237	0.010	0:15	Ohio River	Not Applicable
1430030	10/15/2021 23:35	39.08609, -84.509154	0.004	0:10	Ohio River	Not Applicable
1440005	10/15/2021 23:35	39.087836, -84.515653	0.004	0:10	Ohio River	Not Applicable
1440009	10/15/2021 23:35	39.086571, -84.514201	0.004	0:10	Ohio River	Not Applicable
1440044	7/13/2021 16:50	39.083715, -84.513437	0.011	0:15	Ohio River	Not Applicable

	10/15/2021 23:35	39.083715, -84.513437	0.028	0:15	Ohio River	Not Applicable
1440077	7/12/2021 22:10	39.088848, -84.511493	0.007	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 23:30	39.088848, -84.511493	0.018	0:15	None: Returned to CSS	Not Applicable
1440084	7/12/2021 22:10	39.088266, -84.51135	0.010	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 23:30	39.088266, -84.51135	0.033	0:15	None: Returned to CSS	Not Applicable
1440088	10/15/2021 23:30	39.087015, -84.511068	0.026	0:15	None: Returned to CSS	Not Applicable
1440090	10/15/2021 23:30	39.087144, -84.510226	0.030	0:15	Licking River	Not Applicable
1440193	7/12/2021 22:10	39.087848, -84.509585	0.005	0:10	None: Returned to CSS	Not Applicable
	10/15/2021 23:30	39.087848, -84.509585	0.021	0:15	None: Returned to CSS	Not Applicable
1480069	7/13/2021 17:00	39.0822, -84.521759	0.016	0:20	Ohio River	Not Applicable
1480117	7/13/2021 17:05	39.079966, -84.520848	0.002	0:10	Ohio River	Not Applicable
1510137	7/13/2021 16:55	39.059434, -84.533449	0.010	0:20	UT to Banklick Creek	Not Applicable
	10/15/2021 23:45	39.059434, -84.533449	0.004	0:15	UT to Banklick Creek	Not Applicable
1520124	7/12/2021 22:20	39.053274, -84.543298	0.008	0:20	Moser's Branch	Lakeview (2040)
	7/13/2021 17:00	39.053274, -84.543298	0.079	1:20	Moser's Branch	Lakeview (2040)

	7/17/2021 00:40	39.053274, -84.543298	0.013	1:14	Moser's Branch	Lakeview (2040)
	10/15/2021 23:45	39.053274, -84.543298	0.042	0:50	Moser's Branch	Lakeview (2040)
1550053	7/12/2021 20:10	39.047894, -84.558901	0.002	0:15	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
	7/13/2021 14:55	39.047894, -84.558901	0.019	0:26	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
	7/16/2021 22:30	39.047894, -84.558901	0.006	1:04	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
	10/15/2021 21:40	39.047894, -84.558901	0.029	0:30	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1560016	7/13/2021 15:00	39.04414, -84.559151	0.022	0:40	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
	10/15/2021 21:40	39.04414, -84.559151	0.021	0:25	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1560073	10/15/2021 21:45	39.042108, -84.55943	0.003	0:14	UT to Pleasant Run Creek	Not Applicable
1560092	7/12/2021 20:10	39.046501, -84.559279	0.011	0:20	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
	7/13/2021 14:55	39.046501, -84.559279	0.063	1:14	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
	7/16/2021 22:25	39.046501, -84.559279	0.039	1:50	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
	10/15/2021 21:40	39.046501, -84.559279	0.039	0:40	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
1560121	7/13/2021 15:00	39.045134, -84.559066	0.007	0:24	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)

	10/15/2021 21:45	39.045134, -84.559066	0.005	0:19	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1560122	10/15/2021 21:45	39.04445, -84.558943	0.001	0:10	UT Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1570025	7/13/2021 15:00	39.03511, -84.552492	0.012	0:49	UT to Horse Branch	Not Applicable
	10/15/2021 21:45	39.03511, -84.552492	0.008	0:20	UT to Horse Branch	Not Applicable
1570100	7/13/2021 15:05	39.040149, -84.549623	0.012	1:04	UT to Moser's Branch	Lakeview (2040)
	7/16/2021 22:35	39.040149, -84.549623	0.006	1:17	UT to Moser's Branch	Lakeview (2040)
	10/15/2021 21:45	39.040149, -84.549623	0.016	1:05	UT to Moser's Branch	Lakeview (2040)
1580034	7/13/2021 14:55	39.039627, -84.559286	0.006	0:25	UT to Pleasant Run Creek	Not Applicable
	10/15/2021 21:40	39.039627, -84.559286	0.008	0:24	UT to Pleasant Run Creek	Not Applicable
1580035	7/13/2021 14:55	39.039372, -84.559053	0.004	0:20	UT to Pleasant Run Creek	Not Applicable
	10/15/2021 21:40	39.039372, -84.559053	0.007	0:20	UT to Pleasant Run Creek	Not Applicable
1610054	7/13/2021 15:10	39.042768, -84.579253	0.004	0:30	Dry Creek	Dry Creek (2040)
	10/15/2021 22:00	39.042768, -84.579253	0.005	0:25	Dry Creek	Dry Creek (2040)
1610055	7/13/2021 15:10	39.042882, -84.579124	0.030	0:10	Dry Creek	Dry Creek (2040)
1620001	7/13/2021 15:05	39.050958, -84.568129	0.001	0:14	UT to Pleasant Run Creek	Not Applicable

	10/15/2021 21:45	39.050958, -84.568129	0.004	0:20	UT to Pleasant Run Creek	Not Applicable
1620140	10/15/2021 21:45	39.05094, -84.568114	0.002	0:19	UT to Pleasant Run Creek	Not Applicable
1690043	7/12/2021 22:10	39.068509, -84.54046	0.002	0:15	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
	7/13/2021 16:50	39.068509, -84.54046	0.009	0:29	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
	10/15/2021 23:35	39.068509, -84.54046	0.008	0:29	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
1690072	10/15/2021 23:40	39.068269, -84.541464	0.002	0:15	UT to Pleasant Run Creek	Not Applicable
1700025	10/15/2021 23:40	39.071975, -84.542274	0.002	0:15	UT to Pleasant Run Creek	Not Applicable
1750022	8/10/2021 10:00	38.955, -84.594	0.001	0:23	UT to Banklick Creek	Not Applicable
	8/27/2021 18:10	38.955, -84.594	0.003	0:48	UT to Banklick Creek	Not Applicable
1750028	8/10/2021 09:45	38.959397, -84.596114	0.004	0:29	UT Banlick Creek	Not Applicable
	8/27/2021 18:05	38.959397, -84.596114	0.010	0:39	UT Banlick Creek	Not Applicable
1750180	8/10/2021 09:50	38.957629, -84.594118	0.002	0:29	UT to Banklick Creek	Not Applicable
	8/27/2021 18:05	38.957629, -84.594118	0.007	0:44	UT to Banklick Creek	Not Applicable
1760047	7/16/2021 14:55	39.002867, -84.56626	0.002	0:24	UT to Bullock Pen Creek	Lakeview (2040)

	7/17/2021 00:15	39.002867, -84.56626	0.078	10:43	UT to Bullock Pen Creek	Lakeview (2040)
	8/27/2021 17:25	39.002867, -84.56626	0.195	17:09	UT to Bullock Pen Creek	Lakeview (2040)
1760048	7/16/2021 14:55	39.003054, -84.56609	0.003	0:19	UT to Bullock Pen Creek	Lakeview (2040)
	7/17/2021 00:15	39.003054, -84.56609	0.037	5:06	UT to Bullock Pen Creek	Lakeview (2040)
	8/27/2021 17:20	39.003054, -84.56609	0.211	11:06	UT to Bullock Pen Creek	Lakeview (2040)
1760055	8/27/2021 17:30	39.004031, -84.567428	0.104	6:45	UT to Bullock Pen Creek	Lakeview (2040)
1790003	10/16/2021 00:10	39.048497, -84.590424	0.003	0:34	UT to Dry Creek	Dry Creek (2040)
1830067	7/13/2021 17:00	39.031506, -84.618182	0.009	0:25	UT to Dry Creek	Not Applicable
	8/27/2021 18:10	39.031506, -84.618182	0.001	0:19	UT to Dry Creek	Not Applicable
	10/15/2021 23:50	39.031506, -84.618182	0.003	0:19	UT to Dry Creek	Not Applicable
1840008	7/13/2021 17:00	39.053464, -84.512047	0.005	0:15	Licking River	Not Applicable
1840070	10/15/2021 23:35	39.045403, -84.513574	0.004	0:10	UT to Banklick Creek	Not Applicable
1840073	10/15/2021 23:35	39.045714, -84.514873	0.007	0:10	UT to Banklick Creek	Not Applicable
1840076	10/15/2021 23:35	39.045676, -84.516061	0.006	0:10	UT to Banklick Creek	Not Applicable
1840081	10/15/2021 23:30	39.045822, -84.512563	0.087	0:20	UT to Banklick Creek	Not Applicable
1840089	10/15/2021 23:35	39.047542, -84.511226	0.041	0:10	UT to Banklick Creek	Not Applicable
1840097	10/15/2021 23:35	39.048202, -84.510433	0.006	0:10	UT to Banklick Creek	Not Applicable

1840099	10/15/2021 23:35	39.048315, -84.510492	0.015	0:10	UT to Banklick Creek	Not Applicable
1840110	10/15/2021 23:30	39.048247, -84.508606	0.067	0:20	UT to Banklick Creek	Not Applicable
1850011	10/15/2021 23:40	39.040784, -84.500286	0.005	0:20	Banklick Creek	Not Applicable
1850013	10/15/2021 23:40	39.039262, -84.500693	0.006	0:10	Banklick Creek	Not Applicable
	10/15/2021 23:35	39.043768, -84.503338	0.027	0:15	Banklick Creek	Not Applicable
1850140	7/13/2021 17:00	39.035532, -84.501651	0.016	0:45	Banklick Creek	Banklick EQ/Conveyance
	10/15/2021 23:35	39.035532, -84.501651	0.016	0:29	Banklick Creek	Banklick EQ/Conveyance
1850141	7/1/2021 20:55	39.034191, -84.501171	0.004	0:34	Banklick Creek	Banklick EQ/Conveyance
	7/13/2021 17:00	39.034191, -84.501171	0.061	1:55	Banklick Creek	Banklick EQ/Conveyance
	10/15/2021 23:35	39.034191, -84.501171	0.058	1:32	Banklick Creek	Banklick EQ/Conveyance
1860108	7/13/2021 17:05	39.036049, -84.508653	0.033	2:07	Banklick Creek	Banklick EQ/Conveyance
	10/15/2021 23:40	39.036049, -84.508653	0.034	0:54	Banklick Creek	Banklick EQ/Conveyance
1870018	10/15/2021 23:40	39.033927, -84.499529	0.003	0:19	Banklick Creek	Banklick EQ/Conveyance
1880022	10/15/2021 23:35	39.037927, -84.491598	0.022	0:15	Licking River	Not Applicable
1880023	10/15/2021 23:35	39.03792, -84.491957	0.022	0:15	Licking River	Not Applicable
1880028	10/15/2021 23:35	39.038978, -84.492269	0.017	0:15	Licking River	CSS Conveyance Improvements
1880029	10/15/2021 23:35	39.038583, -84.492611	0.002	0:10	Licking River	Not Applicable
1880067	10/15/2021 23:35	39.041047, -84.495918	0.007	0:15	Licking River	Not Applicable
1880073	10/15/2021 23:35	39.041283, -84.496	0.026	0:15	Licking River	Not Applicable

1930007	7/13/2021 17:00	39.062497, -84.480293	0.021	2:46	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
	10/15/2021 23:45	39.062497, -84.480293	0.003	0:24	UT to Threemile Creek	Licking River Siphon
1930008	7/13/2021 17:00	39.063232, -84.480428	0.016	2:22	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
	10/15/2021 23:45	39.063232, -84.480428	0.002	0:23	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
1930009	7/13/2021 17:00	39.063777, -84.480329	0.009	2:08	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
1930010	7/13/2021 17:00	39.064371, -84.480276	0.031	1:58	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
	10/15/2021 23:45	39.064371, -84.480276	0.001	0:14	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
1930012	7/13/2021 17:05	39.065882, -84.479361	0.012	0:57	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
1940006	7/13/2021 15:20	39.032334, -84.53462	0.031	1:05	Moser's Branch	Lakeview (2040)
	10/15/2021 22:10	39.032334, -84.53462	0.011	0:35	Moser's Branch	Lakeview (2040)
1940023	7/13/2021 15:10	39.039327, -84.537827	0.002	0:58	Moser's Branch	Lakeview (2040)
	10/15/2021 21:55	39.039327, -84.537827	0.001	0:32	Moser's Branch	Lakeview (2040)
1940024	7/13/2021 15:05	39.039696, -84.538356	0.014	1:19	Moser's Branch	Lakeview (2040)
	10/15/2021 21:50	39.039696, -84.538356	0.009	0:49	Moser's Branch	Lakeview (2040)
1940025	7/13/2021 15:05	39.040218, -84.538458	0.003	0:34	Moser's Branch	Lakeview (2040)
	10/15/2021 21:50	39.040218, -84.538458	0.004	0:24	Moser's Branch	Lakeview (2040)

1940027	7/13/2021 15:00	39.041449, -84.540022	0.129	4:25	Moser's Branch	Lakeview (2034)
	7/16/2021 22:35	39.041449, -84.540022	0.035	3:60	Moser's Branch	Lakeview (2034)
	10/15/2021 21:45	39.041449, -84.540022	0.054	3:11	Moser's Branch	Lakeview (2034)
1940044	7/13/2021 15:05	39.050617, -84.543486	0.001	0:14	Moser's Branch	Lakeview (2040)
1950010	7/17/2021 02:35	39.034633, -84.529224	0.106	4:04	Banklick Creek	Lakeview (2040)
1950036	7/13/2021 17:15	39.04516, -84.519178	0.050	1:20	UT to Banklick Creek	Lakeview (2040)
1960002	7/13/2021 15:25	39.031643, -84.536594	0.014	0:44	Horse Branch	Lakeview (2040)
	10/15/2021 22:15	39.031643, -84.536594	0.001	0:15	Horse Branch	Lakeview (2040)
2010042	8/27/2021 17:10	39.010615, -84.499344	0.003	0:20	UT to Holds Branch	Lakeview (2040)
2020035	7/1/2021 14:35	38.992666, -84.519138	0.048	7:49	Wayman or Hands Branch	Lakeview (2040)
	8/27/2021 17:40	38.992666, -84.519138	0.053	2:16	Wayman or Hands Branch	Lakeview (2040)
2020062	8/27/2021 17:40	38.985396, -84.524212	0.040	1:48	UT to Wayman or Hands Branch	Not Applicable
2020203	8/27/2021 17:40	38.992253, -84.518312	0.013	1:34	Waymans Branch	Lakeview (2040)
2020543	8/27/2021 18:00	38.983003, -84.513373	0.002	0:37	UT Wayman or Hands Branch	Not Applicable
2020546	8/27/2021 17:55	38.980775, -84.513788	0.007	0:44	UT Wayman or Hands Branch	Not Applicable
2020860	8/27/2021 17:40	38.991807, -84.518144	0.021	1:29	Waymans Branch	Not Applicable

2030031	7/17/2021 00:56	38.99583, -84.545597	0.010	1:48	Bullock Pen Creek	Not Applicable
	8/27/2021 17:50	38.99583, -84.545597	0.060	4:45	Bullock Pen Creek	Not Applicable
2030033	8/27/2021 17:55	38.996634, -84.547138	0.053	3:22	Bullock Pen Creek	Not Applicable
2030064	8/27/2021 18:00	38.995019, -84.553297	0.012	1:20	UT to Bullock Pen Creek	Not Applicable
2030144	7/17/2021 00:45	39.004239, -84.553084	0.010	1:32	UT to Bullock Pen Creek	Not Applicable
	8/27/2021 17:30	39.004239, -84.553084	0.236	4:18	UT to Bullock Pen Creek	Not Applicable
2030145	8/27/2021 17:40	39.004307, -84.553169	0.029	2:03	UT Bullock Pen Creek	Not Applicable
2030149	8/27/2021 17:45	39.004673, -84.553493	0.033	1:34	UT Bullock Pen Creek	Not Applicable
2030152	8/27/2021 17:50	39.004707, -84.552502	0.016	1:19	UT Bullock Pen Creek	Not Applicable
2100057	7/13/2021 17:00	39.001294, -84.611764	0.016	2:53	UT to Bullock Pen Creek	Lakeview (2040)
	7/17/2021 01:15	39.001294, -84.611764	0.006	1:43	UT to Bullock Pen Creek	Lakeview (2040)
	8/27/2021 17:15	39.001294, -84.611764	0.007	1:34	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:50	39.001294, -84.611764	0.005	0:44	UT to Bullock Pen Creek	Lakeview (2040)
2100059	7/13/2021 17:00	39.001999, -84.613068	0.006	0:25	UT to Bullock Pen Creek	Not Applicable
	10/15/2021 23:50	39.001999, -84.613068	0.005	0:20	UT to Bullock Pen Creek	Not Applicable
2100081	7/13/2021 16:55	39.002279, -84.611249	0.009	0:54	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:45	39.002279, -84.611249	0.004	0:15	UT to Bullock Pen Creek	Lakeview (2040)
2100111	7/13/2021 17:00	38.997747, -84.611918	0.032	1:00	UT to Bullock Pen Creek	Lakeview (2040)
	8/27/2021 17:20	38.997747, -84.611918	0.023	1:30	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:50	38.997747, -84.611918	0.021	0:39	UT to Bullock Pen Creek	Lakeview (2040)

2100120	7/13/2021 17:00	38.997516, -84.612908	0.004	1:20	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:45	38.997516, -84.612908	0.003	1:00	UT to Bullock Pen Creek	Lakeview (2040)
2100126	7/12/2021 22:15	39.001555, -84.6123	0.005	0:20	UT to Bullock Pen Creek	Lakeview (2040)
	7/13/2021 16:55	39.001555, -84.6123	0.062	2:44	UT to Bullock Pen Creek	Lakeview (2040)
	7/17/2021 01:10	39.001555, -84.6123	0.021	1:29	UT to Bullock Pen Creek	Lakeview (2040)
	8/27/2021 17:15	39.001555, -84.6123	0.033	1:34	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:45	39.001555, -84.6123	0.023	0:45	UT to Bullock Pen Creek	Lakeview (2040)
2110006	7/12/2021 22:20	39.004057, -84.606363	0.033	0:55	UT to Bullock Pen Creek	Lakeview (2040)
	7/13/2021 17:00	39.004057, -84.606363	0.239	5:06	UT to Bullock Pen Creek	Lakeview (2040)
	7/17/2021 00:45	39.004057, -84.606363	0.107	2:38	UT to Bullock Pen Creek	Lakeview (2040)
	8/27/2021 17:20	39.004057, -84.606363	0.125	2:05	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:50	39.004057, -84.606363	0.118	2:08	UT to Bullock Pen Creek	Lakeview (2040)
2110009	7/13/2021 17:10	39.00429, -84.607074	0.001	0:34	UT Bullock Pen Creek	Lakeview (2040)
2110011	7/13/2021 17:10	39.004437, -84.607035	0.004	0:45	UT Bullock Pen Creek	Lakeview (2040)
2110025	7/13/2021 17:10	39.004432, -84.608207	0.020	0:59	UT Bullock Pen Creek	Lakeview (2040)
	8/27/2021 18:20	39.004432, -84.608207	0.003	0:24	UT Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:55	39.004432, -84.608207	0.010	0:40	UT Bullock Pen Creek	Lakeview (2040)
2110040	7/13/2021 17:05	39.006177, -84.607765	0.079	2:07	UT to Bullock Pen Creek	Not Applicable
	7/17/2021 01:25	39.006177, -84.607765	0.007	0:43	UT to Bullock Pen Creek	Not Applicable
	8/27/2021 18:10	39.006177, -84.607765	0.010	0:39	UT to Bullock Pen Creek	Not Applicable

	10/15/2021 23:55	39.006177, -84.607765	0.035	0:60	UT to Bullock Pen Creek	Not Applicable
2110041	7/13/2021 17:05	39.006296, -84.60786	0.007	0:53	UT to Bullock Pen Creek	Not Applicable
	10/15/2021 23:55	39.006296, -84.60786	0.002	0:24	UT to Bullock Pen Creek	Not Applicable
2120001	7/13/2021 17:00	39.003058, -84.604417	0.004	0:53	UT to Bullock Pen Creek	Lakeview (2040)
	8/27/2021 17:15	39.003058, -84.604417	0.006	1:29	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:50	39.003058, -84.604417	0.003	0:28	UT to Bullock Pen Creek	Lakeview (2040)
2120023	7/12/2021 22:10	39.005642, -84.603616	0.005	0:15	UT to Bullock Pen Creek	Lakeview (2040)
	7/13/2021 16:55	39.005642, -84.603616	0.015	0:25	UT to Bullock Pen Creek	Lakeview (2040)
	8/27/2021 17:10	39.005642, -84.603616	0.014	1:24	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:45	39.005642, -84.603616	0.013	0:20	UT to Bullock Pen Creek	Lakeview (2040)
2120041	7/12/2021 22:10	39.007017, -84.603772	0.009	0:20	UT to Bullock Pen Creek	Lakeview (2040)
	7/13/2021 16:55	39.007017, -84.603772	0.018	0:55	UT to Bullock Pen Creek	Lakeview (2040)
	7/17/2021 01:10	39.007017, -84.603772	0.003	0:27	UT to Bullock Pen Creek	Lakeview (2040)
	8/27/2021 17:05	39.007017, -84.603772	0.029	1:35	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:45	39.007017, -84.603772	0.013	0:29	UT to Bullock Pen Creek	Lakeview (2040)
2120044	7/12/2021 22:10	39.007445, -84.603862	0.002	0:10	UT to Bullock Pen Creek	Not Applicable
	7/13/2021 16:55	39.007445, -84.603862	0.012	0:20	UT to Bullock Pen Creek	Not Applicable
	8/27/2021 17:10	39.007445, -84.603862	0.003	0:15	UT to Bullock Pen Creek	Not Applicable
	10/15/2021 23:45	39.007445, -84.603862	0.011	0:15	UT to Bullock Pen Creek	Not Applicable
2120053	10/15/2021 23:45	39.008383, -84.604038	0.003	0:10	UT Bullock Pen Creek	Lakeview (2040)

2120177	7/13/2021 17:00	39.004268, -84.604457	0.003	0:15	UT to Bullock Pen Creek	Lakeview (2040)
	10/15/2021 23:45	39.004268, -84.604457	0.004	0:15	UT to Bullock Pen Creek	Lakeview (2040)
2160004	7/13/2021 15:05	39.028318, -84.545576	0.016	1:04	UT to Horse Branch	Lakeview (2040)
	10/15/2021 21:50	39.028318, -84.545576	0.010	0:40	UT to Horse Branch	Lakeview (2040)
2160005	7/13/2021 15:05	39.028636, -84.546051	0.008	0:49	UT to Horse Branch	Not Applicable
	10/15/2021 21:50	39.028636, -84.546051	0.006	0:30	UT to Horse Branch	Not Applicable
2160006	7/13/2021 15:05	39.028937, -84.546321	0.008	0:25	UT to Horse Branch	Not Applicable
	10/15/2021 21:50	39.028937, -84.546321	0.011	0:25	UT to Horse Branch	Not Applicable
2170008	7/13/2021 15:05	39.02724, -84.554943	0.005	0:20	UT to Horse Branch	Not Applicable
	10/15/2021 21:50	39.02724, -84.554943	0.003	0:15	UT to Horse Branch	Not Applicable
2170013	7/13/2021 15:00	39.029931, -84.559349	0.005	0:15	UT to Horse Branch	Not Applicable
	10/15/2021 21:45	39.029931, -84.559349	0.004	0:15	UT to Horse Branch	Not Applicable
2170097	7/13/2021 14:55	39.025928, -84.550366	0.024	0:50	UT to Horse Branch	Lakeview (2040)
	7/16/2021 22:30	39.025928, -84.550366	0.005	0:24	UT to Horse Branch	Lakeview (2040)
	10/15/2021 21:45	39.025928, -84.550366	0.016	0:35	UT to Horse Branch	Lakeview (2040)
2170170	7/13/2021 15:05	39.02606, -84.552506	0.001	0:10	UT Horse Branch	Lakeview (2034)
2280011	8/27/2021 19:00	38.936517, -84.587944	0.003	0:24	Banklick Creek	Western Regional (2034)
2280196	7/13/2021 16:35	38.943406, -84.629072	0.003	0:24	UT to South Fork Gunpowder Creek	Not Applicable
	10/6/2021 23:10	38.943406, -84.629072	0.003	0:15	UT to South Fork	Not Applicable

					Gunpowder Creek	
2300011	7/17/2021 01:35	38.985, -84.538	0.029	4:06	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
	8/27/2021 19:05	38.985, -84.538	0.098	4:53	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
2300013	7/17/2021 01:30	38.984153, -84.539668	0.161	5:42	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
	8/27/2021 19:05	38.984153, -84.539668	0.237	7:21	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
2300019	7/17/2021 02:05	38.978, -84.543	0.017	2:08	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
	8/27/2021 19:20	38.978, -84.543	0.103	5:02	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
2300027	7/17/2021 02:20	38.975, -84.549	0.016	1:32	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
	8/27/2021 19:30	38.975, -84.549	0.122	3:53	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
2300121	7/17/2021 01:15	38.943, -84.579	0.059	1:51	Banklick Creek	Western Regional (2034)
	8/27/2021 18:50	38.943, -84.579	0.121	2:50	Banklick Creek	Western Regional (2034)
2300123	7/17/2021 01:20	38.942, -84.581	0.010	1:04	Banklick Creek	Western Regional (2034)
	8/27/2021 18:50	38.942, -84.581	0.092	1:49	Banklick Creek	Western Regional (2034)
2300127	8/10/2021 09:40	38.955593, -84.575564	0.002	0:24	Banklick Creek	Western Regional (2034)
	8/27/2021 17:55	38.955593, -84.575564	0.013	0:44	Banklick Creek	Western Regional (2034)
2300621	8/27/2021 19:00	38.987376, -84.533812	0.032	2:08	Banklick Creek	Lakeview (2040)
2301219	7/17/2021 01:35	38.980638, -84.541256	0.107	4:12	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
	8/27/2021 19:10	38.980638, -84.541256	0.305	6:18	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
2420171	8/27/2021 17:50	38.947255, -84.64993	0.022	0:50	UT South Fork Gunpowder Creek	Not Applicable

2420211	8/27/2021 18:00	38.946012, -84.652086	0.002	0:20	UT South Fork Gunpowder Creek	Not Applicable
---------	--------------------	--------------------------	-------	------	--	----------------