fYNOP Surface Water Sampling Field Data Sheet

Date: 01/27/22

Sampler(s): Erin Peeling and Jason Fritz

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES #16635

Weather: L-9° H-34°, cloudy, wind SSW 9 MPH

Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	8:30	6.51	0.518	1.59	5.87	-3.16	0.2	167	
SW-8	9:10	6.39	0.495	23.8	NA	-3.04	0.2	158	
SW-13	9:30	5.79	0.511	35.1	0.27	-3.06	0.2	152	
SW-16	10:00	7.16	0.519	8.2	11.97	-2.67	0.2	190	
SW-17	10:20	6.51	0.905	29	1.96	6.83	0.4	208	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:45	6.89	0.597	2.7	14.34	-1.98	0.3	207	
SW-26	11:05	6.56	0.907	35.1	4.99	7.75	0.4	221	
SW-7	11:20	6.87	0.538	25.7	15.41	-0.62	0.2	207	
SW-27	11:35	7.18	0.512	17.6	12.26	-0.21	0.2	213	
SW-15	11:45	6.95	0.832	25.4	1.85	6.64	0.4	58	MS/MSD Collected
SW-9	12:45	6.87	0.659	2.9	12.79	2.66	0.3	177	
SW-28	13:00	6.83	0.682	8.0	11.46	3.08	0.3	183	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.6
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	141
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 02/22/22

Sampler(s): Casey Littlefield and Erin Peeling

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES #82417

Weather: L-41° H-63°, cloudy and misty, wind NNE 7 MPH

		Water Quality Parameters							
Location ID	**Sampling Time**	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**DO (mg/L)**	**Temperature**	**Sal.**	**ORP**	**Comments**
SW-29	08:45	4.95	0.485	6.8	7.21	11.67	0.2	301	
SW-8	08:55	6.15	0.445	27.1	6.01	13.37	0.2	268	
SW-13	09:15	6.14	0.477	4.8	7.33	9.55	0.2	259	
SW-16	09:45	6.68	0.487	34.3	6.58	10.97	0.2	254	
SW-17	09:55	6.58	1.13	8.9	0.97	10.85	0.6	263	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:10	7.20	0.557	8.3	6.73	11.40	0.2	239	
SW-26	10:40	7.04	0.943	9.2	4.43	11.60	0.5	254	
SW-7	10:55	7.24	0.550	36.6	7.42	9.44	0.3	240	
SW-27	11:15	7.36	0.529	9.3	7.84	8.94	0.3	240	
SW-15	11:25	7.01	0.992	46.1	0.74	12.69	0.5	252	MS/MSD Collected
SW-9	12:05	7.48	0.604	3.9	6.71	12.76	0.3	231	
SW-28	12:15	7.50	0.644	3.6	7.60	10.29	0.3	235	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.7
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	196
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 3/24/22

Sampler(s): Casey Littlefield and Erin Peeling

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 83085

Weather: L-39° H-65°, cloudy, wind SSW 5 MPH

Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	08:55	5.74	0.590	101	9.74	10.39	0.3	401	
SW-8	09:05	6.60	0.558	19.1	9.85	10.47	0.3	374	
SW-13	09:20	6.93	0.545	16.2	10.07	10.20	0.3	365	
SW-16	09:40	7.14	0.548	25.7	10.65	9.79	0.3	359	
SW-17	09:55	7.02	1.09	450	0.07	12.50	0.5	354	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:10	7.65	0.569	15.4	10.72	10.06	0.3	317	
SW-26	10:25	7.42	0.936	16.2	7.38	10.61	0.4	337	
SW-7	11:05	7.78	0.586	15.7	11.20	9.49	0.3	326	
SW-27	11:20	7.85	0.567	13.1	12.25	9.70	0.3	326	
SW-15	11:30	7.53	1.06	4.4	1.27	9.75	0.5	333	MS/MSD Collected
SW-9	12:00	7.77	0.750	25.5	11.11	10.35	0.4	330	
SW-28	12:10	7.93	0.728	56.5	11.50	11.00	0.3	311	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.8
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	207
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 4/26/22

Sampler(s): Casey Littlefield and Erin Peeling

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 16675

Weather: L-48° H-63°, cloudy, wind SE 8 MPH

Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	09:00	5.97	0.566	46.5	10.22	12.52	0.3	278	
SW-8	09:15	7.10	0.471	22.4	8.53	13.24	0.2	239	
SW-13	09:30	7.51	0.495	22.1	7.53	12.36	0.2	236	
SW-16	10:00	7.77	0.482	5.1	7.82	13.28	0.2	208	
SW-17	10:15	7.87	0.955	285	2.44	13.13	0.5	179	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:30	8.25	0.570	27.8	8.81	13.29	0.3	133	
SW-26	11:20	7.48	0.937	0.0	6.12	12.50	0.5	179	
SW-7	11:40	8.15	0.547	8.6	8.41	13.52	0.3	167	
SW-27	11:55	8.19	0.511	0.0	8.1	13.84	0.2	167	
SW-15	12:05	7.55	0.899	0.0	1.5	14.53	0.4	171	MS/MSD Collected
SW-9	13:10	8.26	0.642	0.0	8.08	15.53	0.3	174	
SW-28	13:20	8.15	0.602	0.0	7.83	14.31	0.3	168	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.8
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	225
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 5/25/2022

Sampler(s): Casey Littlefield and Erin Peeling

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 82417

Weather: L-51° H-72°, partly cloudy, wind W 8 MPH

		Water Quality Parameters							
Location ID	**Sampling Time**	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**DO (mg/L)**	**Temperature**	**Sal.**	**ORP**	**Comments**
SW-29	09:20	5.64	0.484	84	6.26	16.80	0.2	281	
SW-8	09:40	6.75	0.467	61	6.52	16.71	0.2	246	
SW-13	09:55	7.10	0.460	45.4	6.41	17.31	0.2	239	
SW-16	10:25	7.18	0.445	49.5	5.75	19.21	0.2	251	
SW-17	10:35	7.24	0.940	34.2	1.06	17.95	0.4	216	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:50	7.61	0.462	38.3	6.44	19.62	0.2	185	
SW-26	11:45	7.55	0.702	625.0	5.71	19.72	0.3	215	
SW-7	12:05	8.05	0.496	50.4	6.76	19.73	0.2	173	
SW-27	12:20	8.01	0.445	446.0	5.82	21.96	0.2	186	
SW-15	12:25	7.54	0.979	11.0	0.84	17.30	0.4	216	MS/MSD Collected
SW-9	13:15	8.00	0.604	193.0	5.13	26.11	0.3	215	
SW-28	13:30	7.91	0.558	75.2	5.14	25.79	0.3	225	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	3.2
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	336
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 6/21/22

Sampler(s): Casey Littlefield and Erin Peeling

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 16635

Weather: L-57° H-85°, cloudy, light wind

Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	09:05	6.52	0.585	34.0	7.31	16.76	0.3	242	
SW-8	09:20	7.01	0.548	63.3	7.41	16.96	0.3	232	
SW-13	09:40	7.50	0.549	19.7	7.69	17.08	0.3	199	
SW-16	10:15	7.63	0.549	23.1	9.64	17.45	0.3	195	
SW-17	10:30	6.89	1.02	1.3	0.70	11.91	0.5	201	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:50	8.00	0.570	16.9	8.16	17.00	0.3	175	
SW-26	11:15	7.23	1.02	10.6	5.50	16.59	0.5	196	
SW-7	11:30	7.75	0.631	30.5	8.98	17.80	0.3	194	
SW-27	11:45	7.83	0.587	16.0	8.84	18.66	0.3	192	
SW-15	11:55	7.27	0.814	0.0	1.23	19.33	0.4	208	MS/MSD Collected
SW-9	13:20	8.08	0.694	14.0	10.15	23.34	0.3	182	
SW-28	13:40	8.41	0.689	19.4	10.13	19.71	0.3	175	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.3
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	124
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 7/28/2022

Sampler(s): Casey Littlefield and Jason Fritz

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 82910

Weather: L-71° H-88°, partly cloudy, light SW wind

Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	11:06	8.11	0.537	65.3	8.2	26.67	0.3	64	
SW-8	11:25	8.25	0.551	22.4	7.38	28.39	0.3	89	
SW-13	11:45	8.46	0.565	85.5	7.8	27.69	0.3	104	
SW-16	12:05	8.47	0.553	19.5	6.7	30.84	0.3	119	
SW-17	12:15	7.90	0.736	275	4.13	22.80	0.4	13	Duplicate Collected "HD-QC1-0/1-1"
SW-6	12:40	8.47	0.501	17.9	7.74	26.83	0.2	94	
SW-26	13:00	7.81	0.81	64.1	2.54	30.22	0.4	133	
SW-7	13:20	8.32	0.581	21.2	6.55	30.80	0.3	121	
SW-27	13:35	8.44	0.622	7.9	7.34	29.10	0.3	127	
SW-15	13:45	7.86	0.833	1.9	0.34	20.51	0.4	149	MS/MSD Collected
SW-9	15:00	8.40	0.709	102.0	7.45	29.14	0.3	149	
SW-28	15:15	8.43	0.641	9.5	6.41	31.19	0.3	145	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.2
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	92.9
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 8/25/2022

Sampler(s): Casey Littlefield and Jason Fritz

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 83085

Weather: Clear, High of 90 Low of 68, winds variable 0-3mph

		Water Quality Parameters							
Location ID	**Sampling Time**	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**DO (mg/L)**	**Temperature**	**Sal.**	**ORP**	**Comments**
SW-29	09:00	6.46	0.695	220.0	4.81	22.33	0.4	273	
SW-8	09:15	7.38	0.656	243	5.51	22.72	0.3	284	
SW-13	09:35	7.69	0.636	89.3	6.15	23.21	0.3	283	
SW-16	10:00	7.77	0.648	29.7	6.54	23.51	0.3	274	
SW-17	10:10	7.42	0.924	35	1.31	16.84	0.5	275	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:30	7.81	0.613	11.9	7.41	23.66	0.3	254	
SW-26	11.05	7.33	0.972	3.5	5.54	19.50	0.4	290	
SW-7	11:25	7.91	0.686	18.2	6.56	25.77	0.3	268	
SW-27	11:35	7.85	0.652	19.2	7.42	29.56	0	259	
SW-15	11:45	7.61	0.862	9.3	1.3	19.40	0.4	279	MS/MSD Collected
SW-9	13:05	8.23	0.849	0.0	11.97	27.54	0.4	265	
SW-28	13:15	8.17	0.911	0.1	8.45	27.07	0.4	264	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.1
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	86.5
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 9/23/2022

Sampler(s): Casey Littlefield and Scott Morgan

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 82909

Weather: Clear, High of 72, Low of 46, winds WNW @ 5-10 mph

		Water Quality Parameters							
Location ID	**Sampling Time**	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**DO (mg/L)**	**Temperature**	**Sal.**	**ORP**	**Comments**
SW-29	08:45	5.84	0.813	20.0	4.72	14.80	0.4	317	
SW-8	09:00	6.63	0.807	24.6	5.21	13.76	0.4	302	
SW-13	09:15	7.09	0.816	12.4	5.87	12.94	0.4	285	
SW-16	09:35	7.37	0.755	14.9	5.23	15.45	0.4	281	
SW-17	09:55	7.25	0.924	0	0.00	14.20	0.5	293	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:10	7.40	0.681	1.5	6.14	16.03	0.3	287	
SW-26	10:35	7.90	1.01	24.5	2.65	15.83	0.5	261	
SW-7	10:55	8.30	0.764	15.7	5.79	17.48	0.4	236	
SW-27	11:15	8.81	0.76	0.0	7.73	18.76	0.4	217	
SW-15	11:25	8.38	0.854	3.0	0	16.02	0.4	232	MS/MSD Collected
SW-9	12:20	8.54	0.841	2.7	6.42	19.42	0.4	214	
SW-28	12:35	8.76	0.835	9.2	6.47	19.87	0.4	213	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.2
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	90.8
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 10/27/2022

Sampler(s): Casey Littlefield and Jason Fritz

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 82909

Weather: Clear, High of 61, Low of 35, winds WNW @ 5-10 mph Gusts up to 20 mph

		Water Quality Parameters							
Location ID	**Sampling Time**	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**DO (mg/L)**	**Temperature**	**Sal.**	**ORP**	**Comments**
SW-29	09:00	6.93	0.645	39.6	6.12	14.50	0.3	271	
SW-8	09:15	7.50	0.639	21.2	6.31	14.46	0.3	277	
SW-13	09:30	7.84	0.635	29	6.42	14.63	0.3	282	
SW-16	09:50	7.96	0.644	9.3	6.67	14.91	0.3	282	
SW-17	09:55	7.58	0.89	8.4	0.00	14.74	0.4	298	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:20	8.09	0.577	10.6	7.4	16.41	0.3	276	
SW-26	10:40	7.69	0.928	32.9	3.60	16.11	0.5	289	
SW-7	11:00	7.92	0.671	14.8	6.99	16.45	0.3	273	
SW-27	11:10	8.17	0.698	2.8	8.57	16.82	0.3	272	
SW-15	11:25	7.91	0.823	108.0	0.34	15.90	0.4	284	MS/MSD Collected
SW-9	12:40	8.08	0.286	6.0	8.79	17.95	0.4	286	
SW-28	13:00	8.25	0.772	18.4	7.76	18.22	0.4	279	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.2
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	105
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 11/18/2022

Sampler(s): Casey Littlefield and Jason Fritz

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 82909

Weather: Sunny, high of 40 deg. F

		Water Quality Parameters							
Location ID	**Sampling Time**	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**DO (mg/L)**	**Temperature**	**Sal.**	**ORP**	**Comments**
SW-29	09:05	6.08	0.381	4.7	10.03	10.18	0.2	205	
SW-8	09:20	6.29	0.428	5.2	9.98	6.47	0.2	216	
SW-13	09:40	6.98	0.435	149	9.82	6.34	0.2	201	
SW-16	09:55	6.76	0.433	8.3	9.83	7.24	0.2	213	
SW-17	10:10	6.95	0.802	15.7	0.00	11.65	0.4	207	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:20	7.60	0.468	2.2	10.6	6.55	0.2	181	
SW-26	10:40	7.77	0.875	23.0	3.38	11.70	0.4	177	
SW-7	11:00	7.84	0.448	6	10.17	8.39	0.2	170	
SW-27	11:10	8.16	0.483	29.8	10.05	8.78	0.2	165	
SW-15	11:15	8.19	0.778	2.7	0.26	11.75	0.4	165	MS/MSD Collected
SW-9	12:25	8.14	0.586	3.0	10.69	10.74	0.3	169	
SW-28	12:40	8.42	0.548	7.0	9.29	11.01	0.3	164	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	2.3
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	123
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA

fYNOP Surface Water Sampling Field Data Sheet

Date: 12/21/2022

Sampler(s): Lucas Grimm and Casey Littlefield

Sampling Unit ID: Peristaltic Pump GSC #641

Water Quality Instrument ID: Horiba U52 EES # 82909

Weather: Sunny, high of 42 deg. F with light NW winds

		Water Quality Parameters							
Location ID	**Sampling Time**	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**DO (mg/L)**	**Temperature**	**Sal.**	**ORP**	**Comments**
SW-29	08:50	5.55	0.540	58.9	10.41	3.65	0.2	273	
SW-8	09:00	5.98	0.49	16.0	11.79	2.60	0.2	252	
SW-13	09:22	6.39	0.488	18.7	10.15	2.32	0.2	235	
SW-16	09:45	6.62	0.490	19.7	10.72	2.22	0.2	223	
SW-17	09:52	6.88	0.962	27.0	0.00	11.20	0.5	222	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:25	7.11	0.562	10.9	10.65	3.36	0.3	203	
SW-26	10:55	7.04	0.808	13.5	6.17	7.65	0.4	214	
SW-7	11:05	7.03	0.496	14.5	12.13	4.21	0.2	209	
SW-27	11:20	7.32	0.478	14.2	10.12	4.32	0.2	199	
SW-15	11:30	7.02	0.964	7.0	0.00	10.31	0.5	215	MS/MSD Collected
SW-9	12:45	7.23	0.620	76.1	8.90	7.16	0.3	193	
SW-28	13:00	7.40	0.591	20.3	8.32	7.42	0.3	186	
						.			

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET)	3.0
USGS 01575500 Codorus Creek near York, PA. Discharge (CFS)	283
West Parking Lot Groundwater Extraction System Pump Rate (GPM)	NA