APPENDIX H-2: WATER QUALITY CHEMISTRY 8/12/14 to 6/30/19

Contents

Table 1. Water quality analyses at each sample site for the MOU monitoring period (August 12, 2014 to June 30, 2019).

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
			---------- mg/L ----------							-- MPN/100 mL --	
8/12/2014	**8/12/2014**	**Base flow**									
10:09	13:23	Spring	0.009	0.032	0.03	0.217	0.26	7.0	0.56	40.4	2419
10:52	13:23	Upstream farm	0.012	0.026	<0.03	0.108	0.13	1.7	0.30	98.8	1986
9:54	13:23	Downstream farm	0.012	0.036	0.04	0.232	0.23	8.3	0.40	125.0	9870
10:37	13:23	House well	0.009	0.020	0.20	0.418	0.62	0.5	0.35	<1	<1
8/20/2014	**8/20/2014**	**Base flow**									
10:28	14:05	Spring	0.010	0.036	<0.03	0.285	0.45	7.5	1.09	307.6	40830
11:23	14:05	Upstream farm	0.014	0.040	<0.03	0.214	0.32	8.3	0.52	88.4	3000
10:14	14:05	Downstream farm	0.011	0.032	0.01	0.319	0.37	3.4	0.44	69.7	7380
10:53	14:05	House well	0.010	0.020	0.15	0.412	0.61	0.3	0.28	<1	<1
8/22/2014	**8/25/2014**	**Base flow**									
14:06	9:25	Trench, South	0.007	0.008	<0.03	0.523	0.69	5.7	1.79	N.D.	N.D.
8/26/2014	**8/26/2014**	**Base flow**									
11:38	14:23	Spring	0.007	0.078	0.05	0.256	0.42	38.6	0.35	51.2	4650

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:08	14:23	Upstream farm	0.005	0.064	0.09	0.075	0.42	6.5	1.21	3.1	4370
11:14	14:23	Downstream farm	0.013	0.018	0.01	0.398	0.46	1.4	0.22	19.7	5120
11:56	14:23	House well	0.008	0.022	0.26	0.378	0.66	0.4	0.18	<1	<1
9/3/2014	**9/3/2014**	**Storm flow**									
10:24	13:28	Spring	0.008	0.022	<0.03	0.227	0.37	10.9	0.61	1870.0	21430
11:15	13:28	Upstream farm	0.010	0.030	0.04	0.303	0.52	5.3	0.67	270	8570
9:39	13:28	Downstream farm	0.015	0.018	<0.03	0.500	0.60	3.5	0.09	65.7	4040
10:40	13:28	House well	0.011	0.008	0.17	0.475	0.68	2.9	0.02	56.3	59.1
11:36	13:28	Trench 1	0.004	0.003	0.04	0.937	1.22	3.7	0.68	N.D.	N.D.
9/11/2014	**9/11/2014**	**Storm flow**									
11:48	15:20	Spring	0.004	0.012	<0.03	0.564	0.65	1.3	0.16	35.4	7440
12:56	15:20	Upstream farm	0.001	0.040	0.06	0.198	0.53	6.2	2.28	2419.2	81640
11:31	15:20	Downstream farm	0.010	0.024	0.04	0.476	0.52	1.5	0.24	980.4	15970
12:43	15:20	House well	0.006	0.010	0.00	0.495	0.52	0.3	<0.18	<1.0	<1
12:35	15:20	Trench 1	0.001	0.018	0.03	1.580	1.86	1.0	0.54	1.0	57940
12:29	15:20	Trench 2	<0.002	0.010	0.03	2.033	2.31	3.2	0.70	81.3	27550

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
9/18/2014	**9/18/2014**	**Storm flow**									
10:42	13:42	Spring	0.007	0.200	0.17	0.170	0.6	54.7	3.12	12590.0	81640
11:25	13:42	Upstream farm	0.006	0.024	0.02	0.555	0.66	3.7	0.69	365.4	11720
9:54	13:42	Downstream farm	0.013	0.028	0.02	0.523	0.61	2.1	0.33	579.4	11530
11:06	13:42	House well	0.009	0.014	0.01	0.494	0.52	<6.6	<0.18	35.0	6940
9/23/2014	**9/23/2014**	**Base flow**									
1:05	15:28	Spring	0.001	0.024	<0.03	0.253	0.37	6.7	0.93	201.4	2750
12:45	15:28	Upstream farm	0.003	0.022	0.02	0.152	0.27	3.5	0.82	9.7	2419
10:59	15:28	Downstream farm	0.010	0.026	0.02	0.442	0.53	2.7	0.50	47.1	2620
12:27	15:28	House well	0.006	0.018	<0.03	0.494	0.53	0.5	0.33	8.5	866
9/30/2014	**9/30/2014**	**Base flow**									
10:56	14:36	Spring	0.002	0.138	<0.03	0.256	0.63	81.8	0.53	135.4	13960
12:20	14:36	Upstream farm	0.002	0.032	0.01	0.172	0.46	6.1	1.09	5.2	4320
9:57	14:36	Downstream farm	0.011	0.032	0.01	0.444	0.57	1.9	0.45	85.7	2560
11:10	14:36	House well	0.007	0.012	<0.03	0.501	0.56	0.3	0.17	2.0	43.5
10/8/2014	**10/8/2014**	**Base flow**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:24	14:46	Spring	0.001	0.050	<0.03	0.218	0.41	22.1	0.64	88.4	7330
12:11	14:46	Upstream farm	0.003	0.052	0.04	0.125	0.53	8.7	1.61	24.6	4260
9:31	14:46	Downstream farm	0.009	0.028	0.03	0.474	0.57	2.1	0.45	56.3	5630
11:01	14:46	House well	0.006	0.018	0.03	0.486	0.54	1.1	0.19	1.0	69.1
10/13/2014	**10/13/2014**	**Storm flow ISCO**									
10:07	13:45	Upstream farm	<0.005	0.072	0.03	0.124	0.46	20.8	3.36	N.D.	N.D.
9:21	13:45	Downstream farm	0.110	0.450	0.23	0.257	1.03	171.2	4.77	N.D.	N.D.
11:33	13:45	Culvert	0.004	0.068	0.08	0.996	1.37	11.2	3.28	N.D.	N.D.
9:55	13:45	Field 1	0.529	0.746	0.98	0.698	2.89	65.7	9.46	N.D.	N.D.
10:48	13:45	Field 5a	0.707	0.926	0.36	0.068	0.91	38.1	5.34	N.D.	N.D.
10/13/2014	**10/13/2014**	**Storm flow grab**									
9:38	13:45	Spring	0.005	0.126	0.12	0.083	0.62	46.5	6.55	19350	198630
10:11	13:45	Upstream farm	0.069	0.200	0.10	0.147	0.55	28.4	4.59	20140	173290
9:31	13:45	Downstream farm	0.015	0.058	0.05	0.379	0.51	7.0	2.30	1203.3	20120
11:00	13:45	House well	0.005	0.016	<0.03	0.496	0.56	0.3	0.23	28.1	2750
11:15	13:45	Trench 1	<0.002	0.024	<0.03	1.251	1.46	71.4	0.83	15650.0	61310

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:10	13:45	Trench 2	0.001	0.116	0.33	1.714	2.73	11.1	4.14	920.8	241920
10/22/2014	**10/22/2014**	**Base flow**									
10:24	15:23	Spring	0.006	0.058	<0.03	0.402	0.59	26.1	0.87	1046.2	5210
11:56	15:23	Upstream farm	0.010	0.026	<0.03	0.123	0.15	0.6	0.61	67.6	2430
10:09	15:23	Downstream farm	0.011	0.028	<0.03	0.380	0.47	2.0	0.59	200.0	4350
11:11	15:23	House well	0.007	0.016	<0.03	0.497	0.5	0.2	0.24	5.2	81
10/30/2014	**10/30/2014**	**Base flow**									
11:30	15:16	Spring	<0.002	0.048	0.04	0.360	0.58	23.5	0.61	110.0	3950
9:53	15:16	Upstream farm	0.005	0.016	<0.03	0.114	0.12	0.5	0.44	31.8	2419
11:47	15:16	Downstream farm	0.006	0.016	<0.03	0.368	0.42	1.8	0.42	20.1	2330
11/5/2014	**11/5/2014**	**Storm flow**									
9:29	15:26	Spring	0.013	0.088	0.11	0.145	0.50	13.4	3.91	579.4	11530
11:31	15:26	Upstream farm	0.018	0.032	<0.03	0.103	0.18	0.7	1.22	214.3	5040
9:10	15:26	Downstream farm	0.014	0.023	<0.03	0.353	0.48	2.1	0.78	153.9	4190
10:25	15:26	Trench 1	0.004	0.012	0.02	1.54	1.67	0.9	0.37	N.D.	N.D.
10:14	15:26	Trench 2	0.004	0.032	0.03	3.375	3.65	33.1	0.87	N.D.	N.D.

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11/12/2014	**11/12/2014**	**Base flow**									
10:22	15:30	Spring	0.011	0.024	<0.03	0.095	0.16	<6.6	0.50	65	3310
10:38	15:30	Upstream farm	0.012	0.036	<0.03	0.065	0.10	0.5	0.40	57.3	3130
9:27	15:30	Downstream farm	0.012	0.026	<0.03	0.217	0.31	1.2	0.39	14.6	4350
11/24/2014	**11/24/2014**	**Storm flow**									
9:39	12:55	Spring	0.007	0.014	<0.03	0.271	0.48	4.1	4.71	40.2	2419
10:34	12:55	Upstream farm	0.013	0.013	<0.03	0.097	0.11	0.7	2.15	72.7	2419
9:23	12:55	Downstream farm	0.014	0.016	<0.03	0.297	0.38	1.5	2.11	14.8	2419
9:53	12:55	House well	0.010	0.010	<0.03	0.452	0.57	1.9	2.81	<1.0	5.2
12/4/2014	**12/4/2014**	**Base flow**									
10:49	15:25	Spring	0.007	0.024	<0.03	0.317	0.50	2.3	5.57	5.2	1120
11:10	15:25	Upstream farm	0.011	0.022	<0.03	0.103	0.13	0.7	2.94	45.7	1850
10:35	15:25	Downstream farm	0.013	0.024	<0.03	0.264	0.33	1.5	2.98	7.4	2990
12/4/2014	**12/4/2014**	**Base flow**									
10:49	15:25	Spring	0.007	0.024	<0.03	0.317	0.50	2.3	5.57	5.2	1120
11:10	15:25	Upstream farm	0.011	0.022	<0.03	0.103	0.13	0.7	2.94	45.7	1850

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:35	15:25	Downstream farm	0.013	0.024	<0.03	0.264	0.33	1.5	2.98	7.4	2990
11:05	15:25	Dry Creek	0.012	0.030	<0.03	0.167	0.21	0.7	2.30	27.8	1553.1
12/9/2014	**12/9/2014**	**Storm flow**									
10:00	14:00	Spring	0.008	0.024	<0.03	0.295	0.48	2.3	4.26	18.9	1203
10:33	14:00	Upstream farm	0.011	0.024	<0.03	0.057	0.09	0.5	1.60	36.4	1986
9:38	14:00	Downstream farm	0.013	0.022	<0.03	0.179	0.23	1.1	1.42	35	2650
12/15/2014	**12/15/2014**	**Storm flow**									
12:17	10:15	Spring	0.016	0.110	0.09	0.070	0.58	5.9	9.21	N.S.	N.S.
12:28	10:15	Upstream farm	0.026	0.070	0.06	0.067	0.26	21.6	3.17	N.S.	N.S.
12:09	10:15	Downstream farm	0.013	0.044	0.04	0.162	0.33	4.3	1.87	N.S.	N.S.
12:31	10:15	Dry Creek	0.011	0.030	0.03	0.071	0.15	1.4	1.01	N.S.	N.S.
12:44	10:15	Culvert	0.021	0.040	0.04	1.161	1.11	8.2	1.11	N.S.	N.S.
12/22/2014	**12/22/2014**	**Base flow**									
11:15	14:35	Spring	0.012	0.024	<0.03	0.459	0.70	1.1	2.93	28.5	1299.7
12:05	14:35	Upstream farm	0.010	0.028	0.06	0.096	0.12	0.9	1.05	155.3	1046.2
11:00	14:35	Downstream farm	0.011	0.052	<0.03	0.175	0.24	1.5	1.14	55.6	980.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:11	14:35	Dry Creek	0.014	0.036	<0.03	0.132	0.18	0.5	1.10	100.0	860.0
11:33	14:35	Culvert	0.011	0.026	<0.03	0.416	0.58	6.3	1.54	770.1	3550.0
11:45	14:35	Trench	0.005	0.018	<0.03	0.881	0.83	6.1	1.09	<1.0	630.0
1/8/2015	**1/8/2015**	**Base flow**									
11:05	15:05	Spring	0.010	0.014	<0.03	0.376	0.56	2.0	3.80	14.8	686.7
11:25	15:05	Upstream farm	0.009	0.022	<0.03	0.187	0.21	2.3	1.41	30.9	547.5
10:53	15:05	Downstream farm	0.011	0.024	<0.03	0.376	0.39	2.5	1.22	42.6	980.4
11:40	15:05	Ephemeral stream	0.008	0.022	<0.03	0.448	0.59	2.4	1.73	25.6	1203.3
12:00	15:05	Trench 1	0.005	0.022	<0.03	0.769	0.75	4.7	0.88	1.0	13130.0
1/14/2015	**1/14/2015**	**Base flow**									
11:30	15:20	Spring	0.010	0.028	<0.03	0.473	0.66	1.1	10.20	21.6	613.1
11:45	15:20	Upstream farm	0.012	0.032	<0.03	0.135	0.19	1.1	3.02	88.2	727.0
11:15	15:20	Downstream farm	0.011	0.020	<0.03	0.388	0.34	1.0	2.03	25.6	613.1
12:00	15:20	Ephemeral stream	0.007	0.028	<0.03	0.469	0.55	1.9	0.55	7.4	1413.6
1/21/2015	**1/21/2015**	**Base flow**									
11:15	15:28	Spring	0.009	0.020	<0.03	0.552	0.69	1.5	2.29	9.8	461.1

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:52	15:28	Upstream farm	0.008	0.018	<0.03	0.089	0.12	1.1	0.95	70.3	579.4
11:05	15:28	Downstream farm	0.010	0.026	0.06	0.197	0.30	1.1	1.60	37.4	613.1
11:25	15:28	Ephemeral stream	0.005	0.016	<0.03	0.370	0.46	1.0	2.34	155.3	2419.2
1/29/2015	**1/29/2015**	**Base flow**									
10:40	15:28	Spring	0.010	0.018	0.03	0.886	0.74	2.3	4.27	1.0	2850.0
11:45	15:28	Upstream farm	0.006	0.060	<0.03	0.065	0.21	47.8	1.71	727.0	1413.6
1:20	15:28	Downstream farm	0.009	0.020	0.04	0.168	0.27	1.3	1.50	19.9	1046.2
2/3/2015	**2/3/2015**	**Base flow**									
11:05	15:40	Spring	0.008	0.018	<0.03	0.691	0.77	3.8	7.64	1.0	461.1
11:40	15:40	Upstream farm	0.006	0.022	<0.03	0.051	0.28	1.1	2.69	4.1	1203.3
10:50	15:40	Downstream farm	0.009	0.018	<0.03	0.140	0.29	4.1	2.66	1.0	547.5
2/10/2015	**2/10/2015**	**Base flow**									
10:38	15:08	Spring	0.010	0.010	<0.03	0.544	0.64	1.9	0.76	2.0	686.7
11:05	15:08	Upstream farm	0.009	0.012	<0.03	0.056	0.09	0.7	1.04	1119.1	2419.2
10:25	15:08	Downstream farm	0.011	0.012	<0.03	0.143	0.23	1.0	1.15	7.4	1553.1
2/26/2015	**2/26/2015**	**Base flow**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:45	15:30	Spring	0.009	0.042	0.02	0.237	0.38	5.0	3.97	37.3	2419.2
11:36	15:30	Upstream farm	0.006	0.024	<0.03	0.100	0.13	0.6	1.20	47.9	686.7
10:34	15:30	Downstream farm	0.008	0.026	0.02	0.200	0.25	0.8	1.17	48.7	866.4
10:55	15:30	Ephemeral stream	0.006	0.022	<0.03	0.530	0.57	1.3	1.38	16.1	4790.0
11:15	15:30	Trench 1	0.004	0.028	0.01	0.712	0.76	46.0	0.60	1.0	41063.0
3/3/2015	**3/3/2015**	**Base flow**									
11:07	15:33	Spring	0.008	0.052	<0.03	0.124	0.35	13.5	4.90	N.S. §	N.S.
11:50	15:33	Upstream farm	0.006	0.026	0.02	0.048	0.11	2.3	1.50	N.S.	N.S.
10:55	15:33	Downstream farm	0.007	0.028	<0.03	0.138	0.23	1.3	1.50	N.S.	N.S.
11:18	15:33	Ephemeral stream	0.006	0.020	<0.03	0.477	0.52	2.0	1.84	N.S.	N.S.
11:30	15:33	Trench 1	0.003	0.024	<0.03	0.867	0.89	14.9	0.95	N.S.	N.S.
3/11/2015	**3/11/2015**	**Storm Flow**									
11:30	14:58	Spring	0.009	0.030	<0.03	0.242	2.37	5.5	14.79	19.5	111.9
12:30	14:58	Upstream farm	0.005	0.026	0.02	0.118	0.16	2.1	3.38	34.5	579.4
11:20	14:58	Downstream farm	0.007	0.030	0.02	0.209	0.27	1.8	1.44	66.3	770.1
11:45	14:58	Ephemeral stream	0.006	0.022	0.04	0.567	0.60	0.5	2.20	6.3	410.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:10	14:58	Trench 1	0.003	0.014	0.07	0.989	0.97	0.3	2.00	<1.0	2419.2
12:15	14:58	Trench 2	0.003	0.056	0.04	1.443	1.59	1.2	3.51	<1.0	2419.2
3/19/2015	**3/19/2015**	**Base flow**									
10:59	15:10	Spring	0.010	0.028	0.03	0.184	0.29	10.6	7.37	38.9	79.4
12:00	15:10	Upstream farm	0.007	0.024	0.04	0.111	0.20	1.7	2.53	42.6	866.4
11:13	15:10	Downstream farm	0.009	0.028	0.04	0.234	0.35	2.8	2.87	71.7	1119.9
11:08	15:10	Ephemeral stream	0.007	0.018	0.01	0.529	0.63	1.0	4.31	14.6	866.4
11:13	15:10	House well	0.009	0.020	0.02	0.467	0.55	1.2	4.93	1.0	31.3
11:30	15:10	Trench 1	0.003	0.012	0.01	0.849	0.93	<6.58	3.11	1.0	275.5
11:35	15:10	Trench 2	0.004	0.062	0.09	1.036	1.42	1.9	5.12	5.2	2419.2
3/25/2015	**3/25/2015**	**Base flow**									
11:45	15:20	Spring	0.006	0.014	0.02	0.197	0.39	1.6	1.45	23.1	275.5
13:30	15:20	Upstream farm	0.006	0.028	0.02	0.056	0.16	2.9	1.36	125.9	2419.2
11:30	15:20	Downstream farm	0.008	0.036	0.04	0.162	0.29	5.0	1.41	547.5	3410.0
12:00	15:20	Ephemeral stream	0.007	0.014	0.02	0.462	0.53	1.1	0.64	8.6	344.8
12:20	15:20	House well	0.007	0.016	<0.03	0.450	0.52	1.9	0.03	18.5	30.1
12:30	15:20	Trench 1	0.003	0.008	<0.03	0.838	0.88	0.2	0.59	<1.0	410.6

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
3/26/2015	**3/26/2015**	**Storm flow**									
13:10	15:25	Upstream farm	0.013	0.064	0.06	0.090	0.30	11.4	3.71	547.5	5200.0
13:35	15:25	Downstream farm	0.013	0.076	0.06	0.144	0.41	14.1	3.94	816.4	4960.0
12:55	15:25	Trench 1	0.004	0.026	0.02	0.904	1.00	15.4	0.69	<1.0	1553.1
12:50	15:25	Trench 2	0.004	0.126	0.13	0.873	1.44	22.2	4.63	105.4	6950.0
13:20	15:25	Field 1	0.143	0.346	0.41	0.216	2.68	65.5	15.65	N.S.	N.S.
12:30	15:25	Field 5a	0.813	1.330	0.39	0.225	2.59	72.3	15.95	N.S.	N.S.
4/2/2015	**4/2/2015**	**Base flow**									
11:50	15:25	Spring	0.008	0.042	0.04	0.173	0.35	3.5	10.47	248.1	1299.7
12:15	15:25	Upstream farm	0.007	0.040	0.02	0.045	0.14	3.1	3.61	166.9	2419.2
1:30	15:25	Downstream farm	0.007	0.042	0.02	0.139	0.22	2.5	2.71	121.1	1986.3
12:30	15:25	Ephemeral stream	0.006	0.032	0.02	0.467	0.46	1.8	4.41	5.2	547.5
12:48	15:25	House well	0.008	0.030	<0.03	0.477	0.50	0.7	6.05	39.3	9060.0
12:54	15:25	Trench 1	0.003	0.028	0.02	0.865	0.87	0.3	3.34	1.1	308.6
4/9/2015	**4/9/2015**	**Base flow**									
11:45	15:30	Spring	0.011	0.034	0.01	0.257	0.42	4.9	9.11	7380.0	9040.0
12:30	15:30	Upstream farm	0.011	0.042	0.04	0.066	0.18	13.1	2.13	86.0	2650.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:50	15:30	Downstream farm	0.010	0.048	0.03	0.157	0.25	19.7	1.82	47.2	1986.3
12:00	15:30	House well	0.011	0.026	<0.03	0.499	0.50	1.5	0.74	4.1	325.5
12:10	15:30	Trench 1	0.006	0.018	<0.03	0.790	0.83	0.8	2.99	<1.0	187.2
4/15/2015	**4/15/2015**	**Storm Flow**									
11:38	14:55	Spring	0.007	0.034	<0.03	0.210	0.39	7.7	4.70	275.5	2280.0
12:23	14:55	Upstream farm	0.007	0.040	0.03	0.090	0.16	3.5	3.24	648.8	4040.0
12:40	14:55	Downstream farm	0.009	0.048	0.03	0.166	0.26	4.4	2.67	344.8	2920.0
11:48	14:55	Ephemeral stream	0.005	0.026	0.03	0.472	0.56	0.8	1.26	305.0	2430.0
11:58	14:55	House well	0.008	0.022	0.02	0.475	0.60	1.2	3.72	9.6	80.9
12:10	14:55	Trench 1	0.003	0.020	<0.03	0.857	0.93	1.3	4.29	<1.0	3180.0
4/23/2015	**4/23/2015**	**Base Flow**									
12:23	15:30	Spring	0.008	0.034	<0.03	0.264	0.36	7.4	3.64	71.7	648.8
13:00	15:30	Upstream farm	0.007	0.032	0.03	0.083	0.18	4.0	5.11	104.6	2419.2
12:15	15:30	Downstream farm	0.007	0.032	0.03	0.162	0.25	2.6	2.51	65.7	2419.2
11:55	15:30	Ephemeral stream	0.008	0.026	0.03	0.520	0.56	2.0	1.78	12.0	3270.0
11:35	15:30	House well	0.008	0.082	<0.03	0.496	0.53	1.4	1.69	18.5	35.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:48	15:30	Trench 1	0.003	0.034	<0.03	0.877	0.97	1.2	1.18	3.1	2690.0
4/29/2015	**4/29/2015**	**Base flow**									
11:25	14:05	Spring	0.010	0.028	<0.03	0.419	0.59	9.0	4.28	25.6	1732.9
11:53	14:05	Upstream farm	0.010	0.020	0.03	0.082	0.13	2.7	1.58	58.3	1732.4
12:13	14:05	Downstream farm	0.012	0.018	0.03	0.189	0.82	2.1	1.64	58.6	1986.3
11:30	14:05	Ephemeral stream	0.012	0.018	0.02	0.569	0.61	3.5	1.98	14.3	4080.0
11:35	14:05	House well	0.010	0.006	<0.03	0.517	0.51	0.7	2.26	248.1	5040.0
5/7/2015	**5/7/2015**	**Base flow**									
11:10	14:10	Spring	0.011	0.036	0.02	0.499	0.58	9.9	44.04	135.4	980.4
11:43	14:10	Upstream farm	0.008	0.032	0.01	0.110	0.16	7.5	10.16	77.6	3280.0
12:05	14:10	Downstream farm	0.009	0.034	<0.03	0.267	0.36	4.5	7.70	27.8	2280.0
11:18	14:10	Ephemeral stream	0.013	0.066	0.02	0.628	0.71	3.2	16.41	71.7	7170.0
11:23	14:10	House well	0.008	0.022	0.01	0.512	0.49	<6.58	28.63	3.1	59.4
5/8/2015	**5/8/2015**	**Storm flow**									
13:25	15:32	Upstream farm	0.134	0.354	0.16	0.340	1.12	51.4	9.30	N.S.	N.S.
13:25	15:32	Downstream farm	0.195	0.544	0.27	0.292	1.20	113.2	7.47	N.S.	N.S.

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:43	15:32	Ephemeral stream	0.005	0.254	0.41	2.287	3.23	127.1	6.45	N.S.	N.S.
13:00	15:32	Field 1	0.525	0.714	0.16	0.475	2.19	16.9	13.28	N.S.	N.S.
12:38	15:32	Field 12	0.675	0.956	0.14	0.303	1.82	57.0	16.00	N.S.	N.S.
5/11/2015	**5/12/2015**	**Storm Flow**									
11:35	8:30	Spring	0.008	0.058	0.01	0.339	0.49	8.7	3.67	N.S.	N.S.
11:28	8:30	Upstream farm	0.004	0.074	0.04	0.004	0.24	4.5	4.31	N.S.	N.S.
12:47	8:30	Downstream farm	0.031	0.530	0.11	0.071	1.12	277.5	8.48	N.S.	N.S.
12:05	8:30	Ephemeral stream	0.008	0.146	0.15	0.941	1.80	22.0	8.09	N.S.	N.S.
12:15	8:30	House well	0.009	0.038	0.02	0.541	0.55	4.2	0.89	N.S.	N.S.
12:25	8:30	Trench 1	0.003	0.060	0.02	0.916	0.97	27.6	1.78	N.S.	N.S.
12:35	8:30	Trench 2	0.003	0.042	0.05	0.553	0.76	8.8	3.44	N.S.	N.S.
11:25	8:30	Field 1	0.251	0.386	0.09	0.055	0.86	44.4	6.31	N.S.	N.S.
11:40	8:30	Field 5a	0.248	0.968	0.26	0.127	1.50	320.1	8.58	N.S.	N.S.
1:05	8:30	Field 12	0.194	0.364	0.09	0.135	0.83	36.7	7.03	N.S.	N.S.
5/14/2015	**5/14/2015**	**Base flow**									
12:35	15:12	Spring	0.009	0.062	0.02	0.222	0.35	41.5	2.84	121.1	2419.2
12:28	15:12	Upstream farm	0.011	0.046	0.02	0.177	0.23	2.8	1.35	145.5	2470.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:47	15:12	Downstream farm	0.015	0.050	0.02	0.326	0.39	6.1	1.16	128.1	4370.0
12:57	15:12	Left Fork	0.015	0.038	0.02	0.321	0.38	3.3	1.36	83.3	2690.0
12:15	15:12	Ephemeral stream	0.010	0.022	0.01	0.527	0.50	1.7	0.73	41.3	1986.3
12:05	15:12	Trench 1	0.005	0.042	0.02	0.904	0.94	29.9	1.20	81.6	1732.9
5/18/2015	**5/18/2015**	**Storm Flow**									
10:45	14:43	Spring	0.005	0.084	0.05	0.209	0.56	114.2	2.79	98.7	1413.6
11:57	14:43	Upstream farm	0.007	0.034	0.02	0.110	0.15	5.2	1.29	137.6	2419.2
12:17	14:43	Downstream farm	0.009	0.040	0.03	0.201	0.25	6.1	1.47	185.0	6770.0
12:29	14:43	Left Fork	0.011	0.040	0.04	0.209	0.29	4.1	1.90	167.4	8300.0
11:14	14:43	Ephemeral stream	0.007	0.028	0.03	0.525	0.55	0.7	1.18	90.7	7630.0
11:20	14:43	House well	0.008	0.018	<0.03	0.529	0.53	0.9	0.90	5.2	13.4
12:55	14:43	Trench 1	0.002	0.020	<0.03	0.897	0.93	0.3	1.28	32.3	1732.9
10:58	14:43	Field 1	0.208	0.512	0.54	0.410	3.59	53.7	26.12	N.S.	N.S.
5/26/2015	**5/26/2015**	**Base flow**									
11:49	15:48	Spring	0.021	0.020	<0.03	0.205	0.29	1.2	2.66	N.S.	N.S.
13:20	15:48	Upstream farm	0.012	0.044	0.04	0.080	0.19	6.4	1.50	N.S.	N.S.

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
13:32	15:48	Downstream farm	0.045	0.200	0.11	0.096	0.56	94.7	4.57	N.S.	N.S.
13:45	15:48	Left Fork	0.014	0.048	0.04	0.139	0.29	6.1	2.41	N.S.	N.S.
13:11	15:48	Ephemeral stream	0.017	0.030	0.03	0.514	0.60	0.9	1.12	N.S.	N.S.
12:43	15:48	House well	0.013	0.020	<0.03	0.514	0.54	2.7	0.87	N.S.	N.S.
12:55	15:48	Trench 1	0.007	0.012	0.01	0.752	0.80	1.0	0.78	N.S.	N.S.
1:00	15:48	Trench 2	0.007	0.112	0.04	1.190	1.44	131.9	1.23	N.S.	N.S.
12:09	15:48	Field 1	0.245	0.432	0.20	0.174	1.66	37.8	11.28	N.S.	N.S.
6/1/2015	**6/1/2015**	**Storm Flow**									
13:15	15:20	Downstream farm	0.006	0.050	0.05	0.109	0.25	13.7	1.80	N.S.	N.S.
12:00	15:20	Ephemeral stream	0.002	0.056	0.01	0.851	1.05	18.3	2.46	N.S.	N.S.
6/4/2015	**6/4/2015**	**Base Flow**									
12:50	15:20	Spring	0.010	0.028	<0.03	0.239	0.3	6.2	9.54	44.3	1413.8
12:00	15:20	Upstream farm	0.008	0.026	0.03	0.083	0.11	2.3	2.93	38.6	>2419.2
13:05	15:20	Downstream farm	0.009	0.034	<0.03	0.184	0.23	1.7	2.64	24.7	2419.2
13:13	15:20	Left Fork	0.008	0.022	<0.03	0.145	0.19	2.1	3.15	38.9	2560.0
11:40	15:20	Ephemeral stream	0.010	0.024	0.02	0.572	0.58	0.8	5.35	21.6	3890.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:35	15:20	House well	0.012	0.022	0.02	0.561	0.52	1.3	6.07	<1.0	14.6
6/8/2015	**6/8/2015**	**Base flow**									
11:36	15:30	House well	0.008	0.018	0.27	0.475	0.82	0.7	6.67	<1.0	<1.0
10:45	15:30	Spring	0.011	0.046	0.03	0.322	0.53	12.7	11.18	20.1	1986.3
12:26	15:30	Upstream farm	0.010	0.030	0.06	0.058	0.24	4.5	3.63	866.4	2780.0
13:12	15:30	Downstream farm	0.009	0.022	0.05	0.185	0.27	0.9	2.66	57.4	4640.0
13:25	15:30	Left Fork	0.006	0.024	0.02	0.102	0.23	1.1	2.78	32.7	4550.0
11:51	15:30	Ephemeral stream	0.009	0.020	0.03	0.560	0.62	0.6	2.81	65.7	9870.0
6/17/2015	**6/17/2015**	**Base flow**									
12:08	15:40	Spring	0.009	0.046	0.07	0.224	0.47	9.4	8.92	517.2	24890.0
10:10	15:40	Upstream farm	0.009	0.036	0.03	0.050	0.16	3.5	2.83	435.2	13130.0
12:49	15:40	Downstream farm	0.007	0.034	0.03	0.106	0.23	2.3	2.92	344.8	20980.0
13:01	15:40	Left Fork	0.005	0.026	0.04	0.112	0.22	2.8	1.62	26.2	8550.0
11:50	15:40	Ephemeral stream	0.009	0.032	0.04	0.948	1.04	6.7	0.97	770.1	8840.0
11:47	15:40	House well	0.010	0.028	0.03	0.466	0.52	0.06	3.08	488.4	15390.0
6/22/2015	**6/22/15**	**Storm flow**									
12:30	15:55	Spring	0.009	0.032	0.03	0.218	0.26	5.3	3.01	61.3	1413.6

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:15	15:55	Upstream farm	0.010	0.030	0.01	0.042	0.05	2.9	0.99	78.0	4960.0
12:55	15:55	Downstream farm	0.009	0.032	0.04	0.136	0.16	2.9	1.15	36.8	5040.0
13:10	15:55	Left Fork	0.011	0.030	0.02	0.147	0.18	2.5	1.59	35.4	5910.0
10:50	15:55	Ephemeral stream	0.011	0.026	0.05	0.563	0.61	1.3	1.21	37.9	2419.2
10:45	15:55	House well	0.010	0.032	0.02	0.459	0.43	0.4	1.85	27.2	1732.9
10:30	15:55	Trench 1	0.005	0.048	0.07	0.653	0.76	47.3	1.86	21.1	1986.3
6/29/2015	**6/29/2015**	**Storm flow**									
10:47	15:32	Spring	0.013	0.018	0.03	0.235	0.30	1.7	5.26	93.3	2419.2
12:30	15:32	Upstream farm	0.010	0.028	0.14	0.055	0.13	2.7	2.49	117.8	4710
13:22	15:32	Downstream farm	0.068	0.748	0.17	0.147	1.88	571	6.57	135.4	7540
13:30	15:32	Left Fork	0.010	0.026	0.02	0.189	0.26	2.9	2.80	53.6	10170
12:20	15:32	Ephemeral stream	0.067	1.268	0.34	0.580	3.42	1366.8	11.04	69.7	4040
12:15	15:32	Trench 1	0.008	0.022	0.05	0.394	0.42	56.8	4.17	82.3	11450
10:48	15:32	Field 1	0.354	0.524	0.37	0.226	1.64	11	11.32	N.S.	N.S.
7/6/2015	**7/7/2015**	**Storm flow**									
19:45	14:58	Downstream farm	0.275	0.380	0.22	0.204	1.03	19.1	7.91	N.S.	N.S.

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
17:10	14:58	Ephemeral stream	0.063	0.658	0.37	0.717	2.75	567.3	8.52	N.S	N.S.
13:25	14:58	Field 1	0.387	0.444	0.23	0.345	1.30	4.9	8.32	N.S.	N.S.
16:45	14:58	Field 12	0.796	0.910	0.13	0.567	1.58	29.0	7.67	N.S.	N.S.
18:25	14:58	Field 5a	0.094	0.448	0.13	0.172	1.01	261.3	4.38		
7/9/2015	**7/9/2015**	**Base flow**									
13:37	15:15	Spring	0.011	0.048	0.09	0.144	0.41	4.3	6.47	77.1	3050.0
12:25	15:15	Upstream farm	0.013	0.048	0.02	0.087	0.18	6.8	2.75	201.4	10140.0
12:55	15:15	Downstream farm	0.014	0.050	0.03	0.117	0.24	8.8	2.32	275.5	10760.0
13:15	15:15	Left Fork	0.015	0.058	0.04	0.138	0.31	11.4	2.67	387.3	12670.0
12:12	15:15	Ephemeral stream	0.010	0.034	<0.03	0.569	0.71	4.9	2.56	78.9	5560.0
12:07	15:15	House well	0.011	0.024	0.01	0.423	0.48	2.0	1.69	9.8	4160.0
12:00	15:15	Trench 1	0.007	0.030	<0.03	0.520	0.62	7.1	2.52	63.7	12330.0
7/16/2015	**7/16/2015**	**Base flow**									
12:15	15:10	Upstream farm	0.010	0.024	0.02	0.065	0.15	0.5	1.91	41.3	52.0
12:54	15:10	Downstream farm	0.011	0.030	<0.03	0.195	0.33	0.5	1.35	11.8	6310.0
13:03	15:10	Left Fork	0.010	0.042	0.01	0.181	0.28	0.9	1.64	21.6	9330.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:33	15:10	Ephemeral stream	0.011	0.046	0.01	0.517	0.61	0.4	2.16	45.7	14830.0
12:28	15:10	House well	0.012	0.024	0.01	0.471	0.47	0.0	4.00	2.0	727.0
12:42	15:10	Spring	0.010	0.024	0.01	0.303	0.41	5.7	5.54	22.8	1413.6
7/23/2015	**7/23/2015**	**Storm flow**									
10:55	15:20	Spring	0.010	0.026	<0.03	0.436	0.60	2.7	1.12	61.3	1046.2
11:15	15:20	Upstream farm	0.009	0.026	0.02	0.096	0.18	1.3	0.97	93.3	7490.0
12:40	15:20	Downstream farm	0.011	0.028	0.02	0.198	0.31	0.8	1.06	16.8	4870.0
13:02	15:20	Left Fork	0.009	0.028	0.04	0.239	0.40	1.4	1.21	35.4	8360.0
12:00	15:20	Ephemeral stream	0.011	0.034	<0.03	0.511	0.68	11.3	0.33	201.4	24950.0
12:23	15:20	House well	0.015	0.030	<0.03	0.442	0.52	1.0	0.89	8.5	35.0
7/30/2015	**7/30/2015**	**Base flow**									
12:28	15:20	Spring	0.011	0.026	0.03	0.479	0.65	6.3	4.73	6.3	920.8
12:17	15:20	Upstream farm	0.014	0.024	<0.03	0.101	0.15	0.9	1.61	27.2	2880.0
12:50	15:20	Downstream farm	0.012	0.022	0.02	0.268	0.38	1.9	2.16	11.9	6500.0
13:00	15:20	Left Fork	0.008	0.020	0.04	0.221	0.37	2.3	2.60	30.3	8160.0
11:58	15:20	House well	0.013	0.014	0.02	0.466	0.51	0.3	0.90	1.0	7.4
8/6/2015	**8/6/2015**	**Storm flow**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:05	14:50	Spring	0.008	0.240	0.07	0.265	0.97	<6.58	7.10	23.1	48840.0
11:36	14:50	Upstream farm	0.009	0.028	<0.03	0.147	0.24	1.8	3.37	488.4	13540.0
12:22	14:50	Downstream farm	0.010	0.028	0.03	0.406	0.52	1.7	3.06	40.2	10390.0
12:37	14:50	Left Fork	0.007	0.026	0.04	0.310	0.47	1.2	3.16	217.8	8130.0
10:37	14:50	House well	0.010	0.018	0.04	0.482	0.52	0.5	3.33	920.8	21870.0
8/13/2015	**8/13/2015**	**Base flow**									
11:40	15:30	Spring	0.009	0.360	0.15	0.735	1.12	254.9	7.29	21.6	3360.0
12:06	15:30	Upstream farm	0.013	0.018	0.04	0.124	0.16	0.3	4.32	13.4	2460.0
13:01	15:30	Downstream farm	0.011	0.024	<0.03	0.384	0.50	4.0	3.74	24.0	3310.0
13:12	15:30	Left Fork	0.007	0.016	0.03	0.192	0.52	1.4	4.50	13.2	4810.0
11:53	15:30	House well	0.025	0.012	0.03	0.498	0.58	0.5	6.15	4.1	228.2
8/20/2015	**8/20/2015**	**Storm flow**									
11:32	14:05	Spring	0.009	0.276	0.07	0.337	0.89	223.6	17.88	148.3	3270.0
11:49	14:05	Downstream farm	0.015	0.022	0.03	0.491	0.53	2.2	5.94	39.3	66.3
12:04	14:05	Left Fork	0.009	0.028	0.04	0.306	0.42	2.3	5.12	48.8	3930.0
10:52	14:05	House well	0.012	0.018	<0.03	0.545	0.56	0.9	6.63	1.0	29.5
8/27/2015	**8/27/2015**	**Base flow**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:48	15:35	Spring	0.007	0.158	0.04	0.329	0.69	103.7	9.07	27.2	7540.0
12:37	15:35	Upstream farm	0.005	0.028	0.04	0.084	0.28	2.9	4.30	104.6	7710.0
1:20	15:35	Downstream farm	0.013	0.024	<0.03	0.450	0.54	2.5	4.43	137.4	5730.0
1:30	15:35	Left Fork	0.008	0.024	0.02	0.218	0.33	2.0	3.79	7.4	3010.0
12:20	15:35	House well	0.012	0.018	<0.03	0.599	0.61	1.6	3.66	1.0	61.3
9/2/2015	**9/2/2015**	**Base flow**									
12:06	14:45	Spring	0.007	0.620	0.10	0.304	1.27	2.47	402.7	155.3	15530.0
11:50	14:45	Upstream farm	0.007	0.042	0.07	0.047	0.39	3.37	5.5	46.4	9070.0
12:19	14:45	Downstream farm	0.010	0.020	0.01	0.449	0.55	3.2	4.80	20.3	6630.0
12:30	14:45	Left Fork	0.010	0.020	0.01	0.449	0.55	3.19	4.8	20.3	6630.0
11:30	14:45	House well	0.007	0.020	0.03	0.109	0.33	1.67	3.8	26.9	5290.0
9/10/2015	**9/10/2015**	**Base flow**									
12:45	15:15	Spring	0.004	0.026	0.02	0.197	0.39	6.50	3.5	980.4	38730.0
12:59	15:15	Downstream farm	0.008	0.028	0.02	0.464	0.58	3.96	2.9	66.3	5470.0
13:10	15:15	Left Fork	0.006	0.026	<0.03	0.198	0.34	4.09	2.5	21.6	7230.0
11:56	15:15	House well	0.010	0.018	<0.03	0.576	0.60	3.21	0.3	8.6	727.0
9/16/2015	**9/16/2015**	**Base flow**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:41	14:40	Spring	0.004	0.176	<0.03	0.260	0.70	5.84	111.2	130.9	8330.0
12:06	14:40	Upstream farm	0.004	0.024	<0.03	0.104	0.30	4.62	2.1	50.4	3590.0
12:24	14:40	Downstream farm	0.009	0.030	0.01	0.404	0.62	4.59	1.4	6.2	4800.0
12:36	14:40	Left Fork	0.006	0.032	<0.03	0.146	0.48	2.49	1.3	38.2	6333.0
11:52	14:40	House well	0.009	0.020	<0.03	0.559	0.60	2.58	0.2	1.0	148.3
9/24/2015	**9/24/2015**	**Base flow**									
11:40	14:30	Spring	0.006	0.024	<0.03	0.216	0.42	10.59	12.3	8.6	1119.9
11:30	14:30	Upstream farm	0.006	0.078	<0.03	0.200	0.41	5.92	14.8	17.1	4570.0
12:07	14:30	Downstream farm	0.009	0.018	<0.03	0.449	0.56	5.58	1.2	29.9	7540.0
12:18	14:30	Left Fork	0.007	0.016	0.01	0.098	0.20	3.08	0.6	31.3	3410.0
11:19	14:30	House well	0.009	0.012	<0.03	0.543	0.58	7.72	0.3	<1.0	24.6
9/30/2015	**9/30/2015**	**Base flow**									
12:00	15:15	Spring	0.005	0.630	0.11	0.178	1.15	15.88	450.3	137.6	36540.0
11:50	15:15	Downstream farm	0.008	0.022	0.01	0.472	0.66	5.43	4.5	31.7	5290.0
11:42	15:15	Left Fork	0.007	0.018	<0.03	0.082	0.20	4.98	1.2	18.3	5940.0
12:43	15:15	House well	0.009	0.016	<0.03	0.499	0.60	4.20	0.5	<1.0	2.0
10/8/2015	**10/8/2015**	**Base flow**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:32	14:05	Spring	0.003	0.018	0.02	0.176	0.27	4.5	2.43	<1.0	686.7
11:20	14:05	Downstream farm	0.005	0.020	0.02	0.517	0.60	1.5	1.62	21.3	12360.0
11:10	14:05	Left Fork	0.003	0.020	0.02	0.069	0.15	1.5	1.58	59.8	3640.0
12:15	14:05	House well	0.008	0.020	0.02	0.518	0.53	0.5	1.54	<1.0	<1
10/14/2015	**10/14/2015**	**Base flow**									
11:42	14:40	Spring	0.008	0.056	0.03	0.193	0.36	27.5	1.50	<1.0	248.1
11:28	14:40	Downstream farm	0.010	0.056	0.03	0.603	0.76	12.4	1.33	7.3	8164.0
11:17	14:40	Left Fork	0.009	0.022	0.01	0.078	0.16	2.2	1.28	9.8	1986.3
12:10	14:40	House well	0.012	0.020	<0.03	0.490	0.63	0.3	0.94	<1.0	<1
10/22/2015	**10/22/2015**	**Base flow**									
12:35	13:45	Spring	0.005	0.028	0.03	0.173	0.33	11.4	6.99	<1.0	307.6
12:15	13:45	Downstream farm	0.008	0.018	0.07	0.548	0.69	2.3	3.64	17.8	3140.0
12:05	13:45	Left Fork	0.008	0.018	<0.03	0.069	0.13	1.9	3.57	3.1	1732.9
13:10	13:45	House well	0.010	0.014	0.04	0.478	0.50	0.4	1.93	<1.0	2.0
10/28/2015	**10/28/2015**	**Base flow**									
12:10	14:25	Spring	0.005	0.112	0.05	0.247	0.55	66.2	4.89	179.3	3950.0
11:56	14:25	Downstream farm	0.009	0.032	0.03	0.544	0.78	1.7	3.91	35.0	6700.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:46	14:25	Left Fork	0.007	0.024	0.02	0.060	0.24	1.9	2.90	61.3	3410.0
12:55	14:25	House well	0.008	0.016	0.01	0.391	0.54	<6.58	2.40	<1.0	<1
11/4/2015	**11/4/2015**	**Base flow**									
12:14	14:50	Spring	0.007	0.026	0.07	0.139	0.33	0.7	5.44	8.4	920.8
12:03	14:50	Downstream farm	0.010	0.038	<0.03	0.607	0.76	1.7	3.79	23.1	2880.0
11:54	14:50	Left Fork	0.007	0.018	<0.03	0.072	0.18	0.7	3.98	77.6	>2419.2
12:41	14:50	House well	0.010	0.016	<0.03	0.468	0.54	<6.58	2.62	<1.0	<1
11/12/2015	**11/12/2015**	**Base flow**									
12:15	15:00	Spring	0.007	0.064	<0.03	0.187	0.43	33.6	5.46	72.7	>2419.2
12:26	15:00	Upstream farm	0.015	0.022	<0.03	0.127	0.22	0.9	2.51	117.8	2620.0
12:03	15:00	Downstream farm	0.013	0.044	<0.03	0.439	0.64	6.9	2.14	75.9	>2419.2
11:54	15:00	Left Fork	0.005	0.016	<0.03	0.215	0.34	1.1	2.50	25.6	3360.0
12:42	15:00	House well	0.009	0.012	<0.03	0.501	0.55	0.3	3.71	<1.0	<1
11/18/2015	**11/18/2015**	**Base flow**									
11:37	15:05	Spring	0.011	0.030	0.01	0.168	0.43	1.8	5.47	461.1	13130.0
11:50	15:05	Upstream farm	0.013	0.046	0.06	0.229	0.41	4.0	2.55	517.2	5810.0
11:25	15:05	Downstream farm	0.017	0.050	0.09	0.334	0.56	4.5	2.88	435.2	14550.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:15	15:05	Left Fork	0.020	0.062	0.08	0.432	0.73	7.4	3.72	686.7	23590.0
12:15	15:05	Ephemeral stream	0.012	0.040	0.07	1.262	1.57	2.7	3.23	325.5	10710.0
12:28	15:05	Trench 1	0.005	0.030	0.02	0.264	0.52	1.9	1.74	65.7	17930.0
12:50	15:05	House well	0.009	0.014	<0.03	0.464	0.59	0.4	0.48	<1.0	<1
12/2/2015	**12/2/2015**	**Base flow**									
12:15	15:35	Spring	0.011	0.014	<0.03	1.262	1.63	1.9	2.51	109.2	2419.2
13:22	15:35	Upstream farm	0.010	0.020	0.03	0.135	0.22	1.4	0.98	55.6	1986.3
11:57	15:35	Downstream farm	0.012	0.022	0.02	0.266	0.39	1.6	0.94	48.0	9600.0
11:40	15:35	Left Fork	0.014	0.024	0.01	0.302	0.43	1.6	1.36	66.9	1986.3
12:27	15:35	Ephemeral stream	0.011	0.024	<0.03	0.613	0.89	1.0	1.01	145.0	1986.3
12:48	15:35	Trench 1	0.006	0.008	<0.03	0.218	0.33	1.3	1.10	6.3	5810.0
13:38	15:35	House well	0.011	0.014	0.02	0.480	0.60	0.9	1.38	1.0	1.0
12/14/2015	**12/14/2015**	**Base flow**									
12:45	16:00	Spring	0.007	0.024	<0.03	0.744	0.94	0.5	3.86	No Data	3230.0
13:00	16:00	Upstream farm	0.009	0.030	<0.03	0.364	0.58	3.4	11.89	118.7	2810.0
12:30	16:00	Downstream farm	0.009	0.034	0.05	0.181	0.27	4.1	4.10	410.6	4080.0
12:20	16:00	Left Fork	0.012	0.048	0.07	0.235	0.38	11.2	3.24	325.5	4520.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
15:15	16:00	Ephemeral stream	0.014	0.056	0.06	0.298	0.50	10.8	3.92	410.6	6010.0
13:30	16:00	Trench 1	0.004	0.012	<0.03	0.299	0.36	1.1	3.44	8.4	10460.0
13:38	16:00	House well	0.011	0.010	<0.03	0.545	0.57	0.1	10.15	<1.0	1.0
12/22/2015	**12/22/2015**	**Base flow**									
11:35	14:45	Spring	0.008	0.018	<0.03	0.531	0.58	0.7	1.23	146.7	1203.3
12:38	14:45	Upstream	0.010	0.020	<0.03	0.092	0.14	0.4	0.94	50.4	648.8
11:02	14:45	Downstream	0.011	0.020	<0.03	0.245	0.32	1.0	1.12	31.8	980.4
10:48	14:45	Left Fork	0.013	0.020	<0.03	0.267	0.35	0.1	1.36	26.5	1299.7
11:46	14:45	Ephemeral	0.010	0.016	<0.03	1.452	1.68	0.7	2.41	52.9	1299.7
12:14	14:45	Trench 1	0.005	0.010	<0.03	0.157	0.20	0.3	0.89	1.0	435.2
12:25	14:45	House well	0.010	0.016	<0.03	0.534	0.59	0.3	1.40	<1.0	<1.0
1/5/2016	1/5/2016	Grab sample									
11:52	15:29	Spring	0.007	0.024	<0.03	0.584	0.63	0.7	1.39	16.0	816.4
13:00	15:29	Upstream	0.008	0.026	<0.03	0.158	0.20	0.5	0.95	67.7	648.8
11:40	15:29	Downstream	0.011	0.026	<0.03	0.419	0.46	0.1	1.13	40.8	648.8
11:30	15:29	Left Fork	0.013	0.028	<0.03	0.427	0.48	0.7	1.51	34.1	686.7
12:02	15:29	Ephemeral	0.007	0.018	<0.03	0.883	1.00	1.2	2.15	32.7	686.7
12:13	15:29	Trench 1	0.003	0.016	<0.03	0.243	0.29	0.9	1.11	1.0	209.8

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:44	15:29	House well	0.008	0.020	<0.03	0.528	0.57	0.9	1.08	<1.0	1.0
1/25/2016	**1/25/2016**	**Grab sample**									
11:16	15:25	Spring	0.010	0.022	<0.03	0.565	0.60	0.3	1.27	34.5	1732.9
12:10	15:25	Upstream	0.010	0.022	<0.03	0.068	0.09	1.1	1.52	16.9	290.9
11:00	15:25	Downstream	0.011	0.022	<0.03	0.213	0.24	0.7	1.29	8.6	365.4
10:48	15:25	Left Fork	0.010	0.024	<0.03	0.198	0.25	1.0	1.30	21.1	435.2
11:28	15:25	Ephemeral	0.011	0.030	<0.03	0.762	0.87	9.8	3.10	1.0	816.4
11:42	15:25	House well	0.012	0.020	<0.03	0.602	0.55	0.5	2.36	<1.0	<1
2/10/2016	**2/10/2016**	**Grab sample**									
12:25	15:26	Spring	0.007	0.040	<0.03	0.634	0.80	17.7	2.70	1.0	325.5
11:15	15:26	Upstream	0.005	0.016	<0.03	0.048	0.11	0.5	1.11	14.5	178.5
11:04	15:26	Downstream	0.005	0.016	<0.03	0.198	0.24	0.9	0.99	4.1	218.7
11:29	15:26	Left Fork	0.003	0.012	<0.03	0.175	0.24	0.8	1.15	7.4	209.8
12:03	15:26	House well	0.007	0.014	<0.03	0.542	0.56	0.1	0.63	<1.0	<1.0
2/24/2016	**2/24/2016**	**Grab sample**									
11:05	14:45	Spring	0.010	0.052	<0.03	1.102	1.46	2.8	N.S.	209.8	3930.0
12:16	14:45	Upstream	0.014	0.052	<0.03	0.099	0.28	6.1	N.S.	1203.3	7330.0
10:52	14:45	Downstream	0.015	0.058	<0.03	0.142	0.37	8.3	N.S.	1986.3	6500.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:38	14:45	Left Fork	0.015	0.088	<0.03	0.249	0.63	15.6	N.S.	2780.0	14390.0
11:15	14:45	Ephemeral	0.010	0.056	<0.03	0.195	0.40	12.8	N.S.	387.3	4870.0
11:36	14:45	Trench 1	0.005	0.014	<0.03	0.345	0.39	2.1	N.S.	<1.0	9070.0
11:53	14:45	House well	0.010	0.010	<0.03	0.582	0.55	1.3	N.S.	<1.0	<1.0
3/10/2016	**3/10/2016**	**Grab sample**									
11:04	15:45	Spring	0.012	0.064	0.11	0.104	0.34	9.5	5.38	285.1	3230.0
13:13	15:45	Upstream	0.012	0.048	0.13	0.082	0.20	8.6	2.66	770.1	>2419.2
10:51	15:45	Downstream	0.010	0.044	0.11	0.118	0.25	6.2	2.28	298.7	>2419.2
11:32	15:45	Ephemeral stream	0.006	0.050	0.13	0.918	1.22	26.7	3.12	648.8	8840.0
10:38	15:45	Left Fork	0.013	0.046	0.01	0.154	0.38	8.7	2.64	367.3	2750.0
12:03	15:45	House well	0.011	0.020	0.02	0.562	0.59	0.9	1.19	<1.0	<1.0
11:50	15:45	Trench 1	0.005	0.036	0.10	0.264	0.45	3.5	2.87	2419.2	16690.0
11:46	15:45	Trench 2	0.005	0.054	0.14	1.716	2.35	6.8	6.77	613.1	34480.0
12:41	15:45	Field 12	0.411	0.522	1.17	0.852	4.49	621.5	12.58	410.6	>241920
3/16/2016	**3/16/2016**	**Grab sample**									
11:35	15:05	Spring	0.009	0.036	0.01	0.340	0.44	5.7	3.36	75.4	461.1
12:35	15:05	Upstream	0.008	0.034	<0.03	0.060	0.13	0.4	1.10	52.9	579.4
11:23	15:05	Downstream	0.006	0.028	0.01	0.170	0.24	0.9	1.17	81.3	>2419.2

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:50	15:05	Ephemeral stream	0.006	0.022	0.01	0.520	0.54	<6.58	1.75	88.0	461.1
11:13	15:05	Left Fork	0.009	0.032	<0.03	0.190	0.26	0.3	1.45	35.9	980.4
12:22	15:05	House well	0.009	0.022	<0.03	0.550	0.55	<6.58	1.55	<1.0	<1
12:01	15:05	Trench 1	0.003	0.032	0.02	0.331	0.37	<6.58	1.23	101.7	290.9
3/24/2016	**3/24/2016**	**Storm sample**									
11:50	15:10	Spring	0.015	0.046	0.06	0.172	0.42	13.1	4.95	N.S.	N.S.
12:50	15:10	Upstream	0.011	0.032	0.06	0.040	0.14	4.5	1.60	N.S.	N.S.
11:35	15:10	Downstream	0.011	0.024	<0.03	0.106	0.20	3.9	1.29	N.S.	N.S.
12:10	15:10	Ephemeral stream	0.010	0.012	<0.03	0.531	0.64	1.3	1.44	N.S.	N.S.
11:25	15:10	Left Fork	0.013	0.048	0.09	0.186	0.39	10.7	2.65	N.S.	N.S.
12:34	15:10	House well	0.012	0.014	<0.03	0.565	0.65	0.2	2.72	N.S.	N.S.
12:20	15:10	Trench 1	0.008	0.016	<0.03	0.208	0.20	2.8	1.33	N.S.	N.S.
3/31/2016	**3/31/3016**	**Grab sample**									
11:06	15:10	Spring	0.011	0.034	<0.03	0.319	0.52	7.4	25.32	71.7	1553.1
12:45	15:10	Upstream	0.008	0.042	0.08	0.100	0.22	6.1	2.49	186.0	>2419.2
10:45	15:10	Downstream	0.011	0.056	0.08	0.156	0.33	12.4	2.67	365.0	>2419.2
11:16	15:10	Ephemeral stream	0.013	0.656	0.68	1.211	3.05	375.0	12.14	16160.0	198630.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:33	15:10	Left Fork	0.013	0.056	0.09	0.199	0.40	11.9	2.59	172.0	3640.0
11:49	15:10	House well	0.010	0.018	<0.03	0.556	0.62	0.2	3.93	1.0	26.2
11:40	15:10	Trench 1	0.004	0.018	<0.03	0.347	0.49	5.5	4.76	4.1	2419.2
11:35	15:10	Trench 2	0.006	0.040	0.06	2.800	3.54	20.9	9.29	7.4	10810.0
12:02	15:10	Field 5a	1.154	1.352	0.27	0.302	1.67	26.5	32.74	24890.0	>241920
4/4/2016	**4/4/2016**	**Grab sample**									
11:58	15:20	Spring	0.009	0.028	<0.03	0.324	0.42	7.5	1.57	104.7	866.4
12:50	15:20	Upstream	0.008	0.026	<0.03	0.065	0.08	1.7	0.71	8.3	648.8
11:48	15:20	Downstream	0.010	0.026	<0.03	0.176	0.20	1.9	0.98	77.6	1046.2
12:08	15:20	Ephemeral stream	0.008	0.018	<0.03	0.462	0.48	1.3	1.79	12.0	727.0
11:38	15:20	Left Fork	0.009	0.022	<0.03	0.131	0.17	1.5	0.87	44.8	1119.9
12:35	15:20	House well	0.011	0.018	<0.03	0.466	0.48	<6.58	0.94	<1.0	1.0
12:26	15:20	Trench 2	0.004	0.012	<0.03	0.236	0.25	<6.58	0.85	1.0	>2419.2
4/20/2016	**4/20/2016**	**Grab sample**									
12:02	15:52	Spring	0.005	0.042	<0.03	0.410	0.55	22.4	1.04	3.1	195.6
13:20	15:52	Upstream	0.003	0.020	<0.03	0.047	0.06	1.9	0.61	185.0	1299.7
11:42	15:52	Downstream	0.004	0.018	<0.03	0.152	0.20	1.2	0.74	38.4	2920.0
12:11	15:52	Ephemeral stream	0.008	0.020	<0.03	0.517	0.66	4.1	0.68	44.3	21430.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:30	15:52	Left Fork	0.005	0.020	<0.03	0.157	0.21	2.1	0.84	35.0	6160.0
12:52	15:52	House well	0.005	0.014	<0.03	0.598	0.50	0.5	0.47	1.0	1.0
4/28/2016	**4/28/2016**	**Grab sample**									
11:55	15:17	Spring	0.010	0.024	<0.03	0.455	0.63	12.0	N.S.	25.6	>2419.2
13:00	15:17	Upstream	0.009	0.012	<0.03	0.035	0.12	1.2	N.S.	58.6	648.8
11:30	15:17	Downstream	0.010	0.012	<0.03	0.154	0.27	1.5	N.S.	36.4	2149.2
12:31	15:17	House well	0.011	0.008	<0.03	0.481	0.57	0.3	N.S.	<1.0	<1.0
11:25	15:17	Dry Creek	0.010	0.012	<0.03	0.152	0.27	1.0	N.S.	14.8	3050.0
5/2/2016	**5/3/2016**	**Grab sample**									
12:25	08:55	Spring	0.008	0.012	<0.03	0.338	0.36	2.2	5.08	88.2	>2419.2
14:29	08:55	Upstream	0.006	0.018	<0.03	0.039	0.10	6.7	1.76	185.0	2419.2
11:43	08:55	Downstream	0.008	0.016	<0.03	0.075	0.16	2.0	1.50	178.9	4720.0
12:38	08:55	Ephemeral stream	0.007	0.016	<0.03	0.468	0.59	1.7	2.56	118.7	5380.0
12:38	08:55	Ephemeral stream	0.008	0.112	0.15	1.794	2.62	61.8	4.07	1046.2	23590.0
11:24	08:55	Left Fork	0.009	0.020	<0.03	0.095	0.20	1.9	2.30	172.6	3640.0
13:27	08:55	House well	0.009	0.016	<0.03	0.551	0.56	0.1	1.94	<1.0	<1
5/10/2016	**5/10/2016**	**Grab sample**									
11:15	15:40	Spring	0.008	0.026	<0.03	0.281	0.45	2.9	7.58	410.6	2780.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:50	15:40	Upstream	0.007	0.044	0.01	0.070	0.20	6.1	3.10	613.1	4480.0
10:58	15:40	Downstream	0.011	0.060	0.01	0.101	0.31	11.6	2.95	1203.3	7490.0
11:28	15:40	Ephemeral stream	0.195	0.560	0.32	0.649	4.01	1346.7	11.94	579.4	>2419.2
10:35	15:40	Left Fork	0.011	0.072	0.02	0.121	0.37	17.2	3.35	980.4	8230.0
12:08	15:40	House well	0.009	0.008	<0.03	0.533	0.56	0.5	4.39	<1.0	24.9
11:55	15:40	Trench 1	0.002	0.016	<0.03	0.228	0.30	3.9	2.91	13.9	>2419.2
11:45	15:40	Trench 2	0.002	0.038	<0.03	1.706	2.18	5.2	3.72	38.7	>2419.2
12:26	15:40	Field 5a	1.114	1.458	1.69	2.894	6.35	79.9	12.82	22820.0	>2419.2
13:08	15:40	Field 12	0.370	0.666	0.12	0.062	1.03	96.7	6.92	663.0	>2419.2
5/18/2016	5/18/2016	Grab sample									
11:29	15:20	Spring	0.009	0.024	0.01	0.320	0.51	8.7	2.20	45.7	1413.6
13:08	15:20	Upstream	0.007	0.016	<0.03	0.043	0.13	1.4	1.00	85.5	1299.7
11:10	15:20	Downstream	0.009	0.020	0.02	0.117	0.25	1.2	0.98	107.1	>2419.2
11:43	15:20	Ephemeral stream	0.008	0.014	<0.03	0.479	0.63	3.0	0.84	34.1	2419.2
10:57	15:20	Left Fork	0.010	0.016	0.01	0.139	0.27	1.4	1.54	60.1	2620.0
12:50	15:20	House well	0.009	0.010	<0.03	0.488	0.64	0.4	0.95	<1.0	<1.0
12:05	15:20	Trench 1	0.006	0.006	<0.03	0.169	0.22	0.1	0.54	2.0	5200.0
5/26/2016	**5/26/2016**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:45	15:30	Spring	0.008	0.020	<0.03	0.219	0.35	6.2	4.15	344.8	3730.0
13:08	15:30	Upstream	0.007	0.030	<0.03	0.056	0.12	4.2	1.56	238.2	5290.0
11:30	15:30	Downstream	0.009	0.036	<0.03	0.094	0.20	4.6	1.75	547.5	3640.0
12:05	15:30	Ephemeral stream	0.052	0.424	0.39	0.858	2.20	350.6	8.58	22470.0	>2419.2
11:20	15:30	Left Fork	0.010	0.048	0.02	0.123	0.24	10.6	2.66	461.1	6890.0
12:51	15:30	House well	0.009	0.012	<0.03	0.564	0.57	0.7	0.93	1.0	7.4
12:38	15:30	Trench 1	0.008	0.006	<0.03	0.217	0.23	1.4	1.29	1.0	4260.0
6/2/2016	**6/2/2016**	**Grab sample**									
11:15	14:40	Spring	0.007	0.032	<0.03	0.330	0.47	10.8	2.38	64.1	1986.3
12:26	14:40	Upstream farm	0.007	0.018	<0.03	0.046	0.13	4.1	1.8	224.7	1986.3
11:04	14:40	Downstream farm	0.006	0.018	<0.03	0.106	0.20	1.4	1.8	104.6	3410
11:26	14:40	Ephemeral stream	0.008	0.022	<0.03	0.494	0.63	3.6	2.15	770.1	1986.3
10:52	14:40	Left Fork	0.007	0.022	<0.03	0.117	0.22	1.4	1.40	44.1	1986.3
12:06	14:40	House well	0.008	0.018	<0.03	0.597	0.62	0.7	0.99	<1.0	<1.0
11:35	14:40	Trench 1	0.002	0.018	<0.03	0.124	0.30	8.8	3.01	26.5	393.0
6/7/2016	**6/7/2016**	**Grab sample**									
11:25	14:30	Spring	0.011	0.026	<0.03	0.327	0.46	4.6	6.06	140.1	2460.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:16	14:30	Upstream farm	0.013	0.018	0.06	0.131	0.14	1.3	2.8	120.1	2720.0
11:10	14:30	Downstream farm	0.012	0.018	0.04	0.123	0.19	1.5	1.94	73.8	2980.0
11:37	14:30	Ephemeral stream	0.012	0.024	0.01	0.503	0.65	6.9	3.89	2419.2	7980.0
10:50	14:30	Left Fork	0.009	0.016	0.04	0.124	0.19	0.8	2.08	31.8	3180.0
12:00	14:30	House well	0.011	0.014	0.03	0.500	0.58	0.1	3.06	<1.0	<1.0
6/15/2016	**6/15/2016**	**Grab sample**									
11:40	15:00	Spring	0.010	0.016	0.03	0.466	0.65	4.2	<0.18	153.9	1553.1
12:40	15:00	Upstream farm	0.007	0.010	<0.03	0.097	0.15	1.6	0.02	69.1	2310.0
11:25	15:00	Downstream farm	0.008	0.050	0.05	0.181	0.42	25.4	0.38	33.2	4740.0
11:15	15:00	Left Fork	0.009	0.012	0.01	0.198	0.29	2.0	0.94	63.1	8860.0
12:15	15:00	House well	0.008	0.008	<0.03	0.506	0.59	0.7	<0.18	<1.0	<1.0
6/22/2016	**6/22/2016**	**Grab sample**									
10:40	14:35	Spring	0.008	0.012	<0.03	0.532	0.60	1.0	<0.18	38.2	1413.6
12:20	14:35	Upstream farm	0.008	0.016	0.02	0.237	0.33	2.3	0.20	455.0	547.5
10:23	14:35	Downstream farm	0.015	0.028	0.04	0.327	0.44	14.9	<0.18	46.4	4570.0
10:08	14:35	Left Fork	0.008	0.018	0.05	0.220	0.37	2.1	0.70	37.9	676.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:38	14:35	House well	0.009	0.008	<0.03	0.545	0.58	0.5	<0.18	<1.0	<1.0
6/29/2016	**6/29/2016**	**Grab sample**									
10:53	14:00	Spring	0.009	0.083	0.02	0.487	0.73	43.4	1.10	5.2	648.8
11:37	14:00	Upstream farm	0.006	0.029	0.06	0.186	0.34	4.6	0.92	55.4	9888.0
10:41	14:00	Downstream farm	0.010	0.021	0.03	0.395	0.47	2.5	0.46	41.3	6310.0
10:25	14:00	Left Fork	0.006	0.023	0.03	0.251	0.35	2.0	0.94	23.5	5200.0
11:12	14:00	House well	0.008	0.014	<0.03	0.569	0.56	0.0	0.23	<1.0	<1.0
7/6/2016	**7/6/2016**	**Grab sample**									
6:44	10:16	Spring	0.011	0.027	<0.03	0.465	0.53	9.8	1.15	25.3	4430
7:41	10:16	Upstream farm	0.009	0.023	<0.03	0.221	0.27	5.9	0.66	387.3	12230.0
6:26	10:16	Downstream farm	0.010	0.023	0.01	0.461	0.43	2.1	0.47	39.3	8570.0
6:08	10:16	Left Fork	0.006	0.020	0.04	0.271	0.36	2.7	0.96	248.1	12590.0
7:18	10:16	House well	0.009	0.013	<0.03	0.874	0.96	1.0	0.73	<1.0	13.5
7/13/2016	**7/13/2016**	**Grab sample**									
7:53	12:30	Spring	0.003	0.023	<0.03	0.355	0.42	12.3	0.90	71.7	2920
7:33	12:30	Downstream farm	0.006	0.017	<0.03	0.365	0.43	4.3	1.12	129.6	8390.0
7:15	12:30	Left Fork	0.005	0.017	<0.03	0.172	0.29	1.9	0.85	95.9	12360.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
8:34	12:30	House well	0.005	0.011	<0.03	0.627	0.63	0.5	0.09	<1.0	<1.0
7/20/2016	**7/20/2016**	**Grab sample**									
7:56	12:05	Spring	0.006	0.024	<0.03	0.298	0.35	9.4	0.55	N.S.	N.S.
7:39	12:05	Downstream farm	0.005	0.024	<0.03	0.356	0.44	5.1	3.93	N.S	N.S.
7:25	12:05	Left Fork	0.005	0.013	<0.03	0.197	0.76	2.3	2.21	N.S.	N.S.
8:30	12:05	House well	0.007	0.009	0.02	0.594	0.70	0.1	0.14	N.S.	N.S.
7/27/2016	**7/27/2016**	**Grab sample**									
7:38	14:15	Spring	0.001	0.043	<0.03	0.375	0.46	17.6	2.64	55.6	980.4
7:21	14:15	Downstream farm	0.007	0.027	<0.03	0.423	0.47	2.3	1.62	140.8	17260.0
7:02	14:15	Left Fork	0.004	0.021	<0.03	0.255	0.35	3.6	1.79	920.8	15000.0
8:14	14:15	House well	0.006	0.010	<0.03	0.650	0.67	0.1	1.41	<1.0	<1.0
8/3/2016	**8/3/2016**	**Grab sample**									
8:03	12:10	Spring	0.006	0.104	<0.03	0.201	0.49	64.8	7.41	65.7	2920
7:43	12:10	Downstream farm	0.013	0.014	<0.03	0.221	0.29	3.2	3.46	115.3	9320.0
7:28	12:10	Left Fork	0.007	0.016	<0.03	0.212	0.32	2.4	2.21	101.4	7430.0
8/16/2016	**8/16/2016**	**Grab sample**									
10:58	14:50	Spring	0.007	0.027	0.02	0.223	0.39	7.7	9.89	88.2	5380.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:16	14:50	Upstream farm	0.009	0.031	0.03	0.089	0.23	4.6	3.14	248.9	9330.0
10:41	14:50	Downstream farm	0.011	0.039	0.03	0.161	0.33	8.1	2.94	178.2	17820.0
11:25	14:50	Ephemeral stream	0.011	0.023	0.01	1.365	1.59	2.6	2.47	137.6	154945.0
10:28	14:50	Left Fork	0.012	0.082	0.07	0.118	0.30	19.5	3.64	201.4	14550.0
11:40	14:50	Trench 1	0.005	0.006	0.02	0.130	0.17	0.2	2.14	93.4	48840.0
11:50	14:50	Trench 2	0.004	0.036	0.05	0.344	0.99	1.5	8.98	290.9	198630.0
8/24/2016	**8/24/2016**	**Grab sample**									
11:29	15:30	Spring	0.004	0.046	<0.03	0.477	0.97	29.9	2.99	27.8	5630
12:40	15:30	Upstream farm	0.004	0.014	0.03	0.046	0.14	2.0	1.08	72.3	2620.0
10:53	15:30	Downstream farm	0.005	0.016	<0.03	0.122	0.22	3.2	0.85	72.8	7030.0
10:40	15:30	Left Fork	0.004	0.013	0.00	0.045	0.13	1.5	1.62	43.5	6690.0
8/24/2016	**8/24/2016**	**Storm sample**									
11:03	15:30	Downstream farm	<0.002	0.109	0.01	0.002	0.42	66.9	5.89	156.5	38730.0
12:05	15:30	Trench 1	<0.002	0.019	0.03	0.033	0.30	8.3	1.99	21.8	3450.0
8/30/2016	**8/30/2016**	**Grab sample**									
11:24	14:55	Spring	0.003	0.020	<0.03	0.501	0.58	2.9	3.28	195.6	9090.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:35	14:55	Upstream farm	0.003	0.020	<0.03	0.042	0.13	1.7	1.37	102.5	5210.0
11:10	14:55	Downstream farm	0.004	0.020	<0.03	0.116	0.21	1.7	1.19	30.1	5200.0
11:00	14:55	Left Fork	0.005	0.021	0.02	0.157	0.28	2.7	2.00	111.2	17850.0
9/7/2016	**9/7/2016**	**Grab sample**									
7:58	12:25	Spring	0.003	0.219	0.05	0.514	0.92	142.1	5.37	31.8	18500.0
9:03	12:25	Upstream farm	0.007	0.020	0.01	0.113	0.21	1.9	1.89	195.6	5380.0
7:38	12:25	Downstream farm	0.008	0.059	0.01	0.265	0.46	25.4	1.39	30.9	4790.0
7:23	12:25	Left Fork	0.006	0.021	<0.03	0.151	0.24	2.8	1.58	27.5	10170.0
9/15/2016	**9/15/2016**	**Grab sample**									
11:00	14:00	Spring	0.009	0.273	<0.03	0.345	0.83	190.9	13.99	ND	ND
11:20	14:00	Upstream farm	0.012	0.011	<0.03	0.119	0.21	3.2	6.12	ND	ND
10:45	14:00	Downstream farm	0.014	0.016	0.01	0.312	0.42	2.9	5.38	ND	ND
10:32	14:00	Left Fork	0.011	0.014	0.01	0.132	0.25	2.2	5.35	ND	ND
9/28/2016	**9/28/2016**	**Grab sample**									
11:25	14:25	Spring	0.005	0.043	0.01	0.427	0.62	22.0	2.70	7540.0	7590.0
12:26	14:25	Upstream farm	0.008	0.016	0.01	0.128	0.21	1.0	1.33	9330.0	2310.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:12	14:25	Downstream farm	0.011	0.017	0.01	0.293	0.42	1.6	2.15	7120.0	5210.0
11:00	14:25	Left Fork	0.006	0.011	0.02	0.101	0.22	1.8	1.31	2530.0	3410.0
10/5/2016	**10/5/2016**	**Grab sample**									
10:29	15:40	Spring	0.006	0.513	0.01	0.502	1.40	334.8	4.66	36.8	241920.0
12:01	15:40	Upstream farm	0.009	0.020	<0.03	0.120	0.25	2.1	2.85	770.1	13170.0
10:07	15:40	Downstream farm	0.014	0.043	0.02	0.413	0.58	29.3	3.00	547.1	11690.0
9:54	15:40	Left Fork	0.009	0.023	0.01	0.130	0.29	2.8	2.38	285.1	17820.0
10/13/2016	**10/13/2016**	**Grab sample**									
10:46	15:45	Spring	0.018	0.272	0.05	0.623	1.36	148.0	6.09	>2419.2	28090.0
12:46	15:45	Upstream farm	0.015	0.026	<0.03	0.147	0.28	2.7	2.32	3590.0	46110.0
10:29	15:45	Downstream farm	0.033	0.066	0.02	0.614	0.88	9.6	3.90	4640.0	129970.0
11:03	15:45	Ephemeral stream	0.018	0.047	0.03	1.760	1.97	9.7	5.17	>2419.2	21430.0
10:16	15:45	Left Fork	0.091	0.203	0.04	1.071	1.74	24.2	9.30	14010.0	>241920
12:30	15:45	House well	0.008	0.010	0.01	1.166	1.23	0.6	1.35	<1.0	23.3
10/13/2016	**10/13/2016**	**Storm sample**									
11:15	15:45	Ephemeral stream	0.067	0.213	0.12	2.732	3.83	61.7	11.10	ND	ND

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
13:10	15:45	Field 1	0.940	1.231	0.13	0.335	2.36	59.0	16.67	ND	ND
10/20/2016	**10/20/2016**	**Grab sample**									
11:05	15:05	Spring	0.010	0.044	<0.03	0.414	0.56	18.9	11.91	461.1	30760.0
12:03	15:05	Upstream farm	0.010	0.021	<0.03	0.076	0.13	1.1	4.43	3730.0	16640.0
10:48	15:05	Downstream farm	0.014	0.030	0.03	0.327	0.39	2.1	3.11	387.3	5690.0
10:20	15:05	Left Fork	0.008	0.026	0.01	0.146	0.27	1.3	3.95	33.5	17890.0
11:38	15:05	House well	0.009	0.020	0.02	0.739	0.79	0.1	4.56	<1.0	19.7
10/27/2016	**10/27/2016**	**Grab sample**									
11:05	15:25	Spring	0.007	0.253	0.03	0.265	0.88	161.1	14.84	61.7	13960.0
11:50	15:25	Upstream farm	0.010	0.021	<0.03	0.046	0.14	1.1	5.87	517.2	5450.0
10:42	15:25	Downstream farm	0.014	0.021	0.01	0.291	0.36	2.1	7.91	45.5	6440.0
10:27	15:25	Left Fork	0.008	0.016	0.02	0.132	0.26	1.9	7.76	48.8	9340.0
11:30	15:25	House well	0.009	0.010	0.01	0.664	0.74	0.9	8.95	<1.0	5.2
11/03/2016	**11/03/2016**	**Grab sample**									
9:55	14:20	Spring	0.001	0.483	0.03	0.235	0.89	281.7	15.21	3.1	2419.2
11:10	14:20	Upstream farm	0.003	0.031	0.01	0.071	0.20	2.1	6.81	22.6	3010.0
9:36	14:20	Downstream farm	0.008	0.022	0.03	0.388	0.47	1.7	6.07	1732.9	5200.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
9:14	14:20	Left Fork	0.004	0.026	0.03	0.117	0.26	1.5	9.24	33.1	7380.0
10:38	14:20	House well	0.004	0.010	0.02	0.719	0.75	0.4	9.48	1.0	2.0
11/10/2016	**11/10/2016**	**Grab sample**									
10:56	14:00	Spring	0.003	0.104	<0.03	0.255	0.50	53.0	3.30	17.1	13760.0
11:33	14:00	Upstream farm	0.011	0.013	0.01	0.073	0.12	1.0	2.29	53.7	>2419.2
10:38	14:00	Downstream farm	0.011	0.021	0.02	0.419	0.48	0.7	2.15	22.6	5040.0
10:18	14:00	Left Fork	0.005	0.013	0.01	0.161	0.23	4.1	2.07	7.4	2560.0
11:10	14:00	House well	0.005	0.009	<0.03	0.574	0.68	0.1	2.16	<1.0	1.0
11/17/2016	**11/17/2016**	**Grab sample**									
11:00	13:45	Spring	0.001	0.021	<0.03	0.209	0.32	4.9	2.42	2.0	574.8
11:40	13:45	Upstream farm	0.009	0.020	<0.03	0.057	0.13	0.6	1.84	58.1	3270.0
10:43	13:45	Downstream farm	0.011	0.020	0.01	0.412	0.49	2.5	1.37	18.5	>2419.2
10:20	13:45	Left Fork	0.005	0.011	<0.03	0.195	0.26	0.5	1.77	15.8	2400.0
11:10	13:45	House well	0.006	0.010	0.01	0.660	0.71	0.3	1.57	<1.0	1.0
11/21/2016	**11/21/2016**	**Grab sample**									
10:24	14:15	Spring	0.010	0.313	0.04	0.239	0.87	210.2	4.99	135.4	6770.0
11:15	14:15	Upstream farm	0.010	0.019	<0.03	0.125	0.17	1.3	0.68	178.9	3840.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:05	14:15	Downstream farm	0.012	0.021	0.01	0.466	0.52	1.3	1.23	26.9	>2419.2
9:40	14:15	Left Fork	0.004	0.011	0.01	0.239	0.31	0.4	3.35	11.9	2419.2
10:40	14:15	House well	0.007	0.011	<0.03	0.675	0.75	0.4	1.37	<1.0	<1.0
11/29/2016	**11/29/2016**	**Grab sample**									
11:42	15:15	Spring	0.009	0.100	<0.03	0.329	0.68	45.0	8.06	1046.2	13360.0
12:48	15:15	Upstream farm	0.008	0.026	0.01	0.063	0.12	2.1	2.38	235.9	3790.0
11:30	15:15	Downstream farm	0.007	0.027	<0.03	0.146	0.23	4.4	2.11	387.3	7380.0
11:20	15:15	Left Fork	0.004	0.014	<0.03	0.191	0.28	1.1	1.97	57.6	>2419.2
12:36	15:15	House well	0.004	0.011	<0.03	0.598	0.68	0.4	2.67	<1.0	<1.0
12/14/2016	**12/14/2016**	**Grab sample**									
11:15	14:10	Spring	0.009	0.024	0.12	0.384	0.50	7.2	14.25	10.9	1119.9
11:58	14:10	Upstream farm	0.009	0.017	0.03	0.064	0.08	0.9	4.43	67.6	2650.0
11:03	14:10	Downstream farm	0.013	0.024	0.02	0.199	0.27	1.3	2.05	5.2	>2419.2
10:45	14:10	Left Fork	0.007	0.017	0.02	0.144	0.21	0.9	3.77	13.4	2419.2
11:30	14:10	House well	0.010	0.014	0.03	0.678	0.70	0.3	6.19	<1.0	<1.0
1/5/2017	**1/25/2017**	**Grab sample**									
12:28	15:25	Spring	0.004	0.026	0.04	0.276	0.390	9.5	0.94	74.4	1413.6

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
13:12	15:25	Upstream farm	0.009	0.014	0.02	0.059	0.090	0.7	0.66	52.0	2419.2
12:00	15:25	Downstream farm	0.012	0.019	0.04	0.257	0.310	1.3	0.55	5.2	1986.3
11:42	15:25	Left Fork	0.006	0.011	0.03	0.229	0.260	0.7	0.85	6.2	1732.9
12:47	15:25	House well	0.008	0.014	0.04	0.610	0.660	0.3	0.30	<1.0	<1.0
1/19/2017	**1/19/2017**	**Grab sample**									
10:41	14:30	Spring	0.009	0.017	0.04	0.286	0.600	33.0	13.31	<1.0	2260.0
11:27	14:30	Upstream farm	0.010	0.016	0.03	0.050	0.140	1.9	4.22	137.6	>2419.2
10:30	14:30	Downstream farm	0.014	0.024	0.02	0.121	0.210	2.5	3.19	60.1	3990.0
10:10	14:30	Left Fork	0.010	0.019	0.03	0.243	0.360	2.6	4.25	55.4	>2419.2
11:00	14:30	House well	0.009	0.013	0.03	0.617	0.690	0.9	7.87	<1.0	<1.0
2/2/2017	**2/2/2017**	**Grab sample**									
10:45	14:30	Spring	0.011	0.030	<0.03	0.823	0.890	7.3	5.06	6.3	1732.9
11:20	14:30	Upstream farm	0.009	0.017	<0.03	0.056	0.070	1.1	1.72	41.9	>2419.2
10:30	14:30	Downstream farm	0.014	0.026	0.01	0.160	0.210	5.1	2.21	41.3	>2419.2
10:15	14:30	Left Fork	0.008	0.019	0.01	0.139	0.180	1.1	1.69	17.1	>2419.2
10:57	14:30	House well	0.011	0.031	0.01	0.614	0.780	0.4	2.22	<1.0	<1.0
2/15/2017	**2/15/2017**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:50	15:35	Spring	0.013	0.093	0.02	0.201	0.570	12.7	8.76	178.5	4350.0
13:30	15:35	Upstream farm	0.009	0.060	0.01	0.132	0.300	5.0	3.04	1986.3	6570.0
11:24	15:35	Downstream farm	0.012	0.082	0.03	0.159	0.420	9.0	3.46	1732.9	11000.0
12:08	15:35	Ephemeral stream	0.020	0.064	0.02	1.323	1.450	3.1	5.06	166.9	5630.0
11:11	15:35	Left Fork	0.015	0.080	0.03	0.314	0.600	17.7	4.66	648.8	11060.0
12:46	15:35	Trench 1	0.004	0.023	0.01	0.141	0.200	1.3	0.45	1.0	1299.7
12:56	15:35	Trench 2	0.004	0.087	0.04	0.486	1.120	6.1	5.99	19.7	42860.0
12:25	15:35	House well	0.008	0.023	0.02	0.649	0.720	0.5	2.07	<1.0	<1.0
3/1/2017	**3/1/2017**	**Grab sample**									
12:38	14:55	Upstream farm	0.009	0.044	0.03	0.069	0.240	4.7	3.93	2590.0	7940.0
11:18	14:55	Downstream farm	0.005	0.016	0.03	0.148	0.270	2.6	3.24	71.7	2430.0
11:43	14:55	Ephemeral stream	0.011	0.016	0.02	0.659	0.710	1.5	6.75	195.6	5730.0
11:00	14:55	Left Fork	0.008	0.024	0.02	0.136	0.280	4.3	2.46	1119.9	4260.0
12:16	14:55	Trench 2	0.002	0.050	0.04	0.345	0.760	11.6	4.90	98.8	34480.0
11:52	14:55	House well	0.012	0.040	0.03	0.620	0.720	0.5	5.85	<1.0	<1.0
3/16/2017	**3/16/2017**	**Grab sample**									
7:30	11:45	Spring	0.009	0.061	<0.03	0.729	0.990	15.5	2.69	24.0	>2419.2

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
8:38	11:45	Upstream farm	0.006	0.046	<0.03	0.118	0.290	1.7	1.08	75.9	1299.7
7:13	11:45	Downstream farm	0.010	0.031	<0.03	0.266	0.300	2.9	0.97	68.3	1986.3
7:38	11:45	Ephemeral stream	0.005	0.021	<0.03	0.738	0.800	0.8	2.99	14.8	2419.2
7:00	11:45	Left Fork	0.009	0.043	<0.03	0.300	0.410	3.1	1.77	45.5	>2419.2
8:00	11:45	Trench 1	0.006	0.020	<0.03	0.083	0.110	1.1	1.87	<1.0	179.3
7:46	11:45	House well	0.009	0.023	<0.03	0.856	0.880	0.1	1.52	<1.0	<1.0
3/27/2017	**3/27/2017**	**Grab sample**									
11:27	15:40	Spring	0.007	0.044	<0.03	0.213	0.600	7.2	9.58	770.1	8800.0
12:51	15:40	Upstream farm	0.012	0.122	0.06	0.181	0.740	131.4	5.72	1986.3	17850.0
10:51	15:40	Downstream farm	0.047	0.096	0.20	0.173	1.490	321.9	6.68	9840.0	72150.0
10:37	15:40	Left Fork	0.058	0.164	0.17	0.206	1.500	1005.1	8.51	9330.0	38770.0
11:50	15:40	Trench 1	0.004	0.048	0.03	0.129	0.390	3.1	4.36	387.3	17230.0
11:55	15:40	Trench 2	0.009	0.102	0.13	0.060	0.820	7.0	7.13	488.4	29240.0
12:38	15:40	House well	0.007	0.038	0.02	0.573	0.630	1.6	3.83	18.1	261.3
3/27/2017	**3/27/2017**	**Storm sample**									
11:40	15:40	Ephemeral stream	0.151	0.268	0.29	1.704	3.300	448.3	16.47	18500.0	66530.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:05	15:40	Field 1	0.420	0.670	0.43	0.090	1.870	124.4	9.29	8390.0	45690.0
12:15	15:40	Field 5a	2.980	3.232	1.40	0.122	1.800	30.2	32.01	2419.2	69100.0
13:06	15:40	Field 12	0.800	1.276	2.02	2.798	6.040	134.2	9.35	7120.0	96060.0
3/30/2017	**3/30/2017**	**Storm sample**									
11:15	14:15	Ephemeral stream	0.005	0.032	0.01	0.796	0.860	8.6	1.89	ND §	ND
4/6/2017	**4/6/2017**	**Grab sample**									
11:40	15:25	Spring	0.009	0.032	0.01	0.265	0.420	5.2	6.36	1413.6	1413.6
11:30	15:25	Upstream farm	0.007	0.038	0.01	0.099	0.210	2.3	2.53	72.0	>2419.2
11:55	15:25	Downstream farm	0.009	0.034	0.01	0.173	0.260	3.1	1.96	107.6	>2419.2
11:20	15:25	Ephemeral stream	0.008	0.022	<0.03	0.717	0.760	1.6	1.69	148.3	1986.3
11:50	15:25	Left Fork	0.010	0.048	0.01	0.222	0.410	4.7	2.32	135.4	2780.0
10:20	15:25	Trench 1	0.004	0.022	0.03	0.165	0.300	17.2	1.98	47.2	2750.0
4/6/2017	**4/6/2017**	**Storm sample**									
11:15	15:25	Ephemeral stream	0.018	0.080	0.06	0.807	1.140	19.9	4.14	ND	ND
4/13/2017	**4/13/2017**	**Grab sample**									
12:22	15:30	Spring	0.011	0.022	<0.03	0.600	0.630	3.6	15.57	8.6	816.4

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
13:05	15:30	Upstream farm	0.008	0.054	<0.03	0.026	0.110	2.5	4.64	83.6	2419.2
11:56	15:30	Downstream farm	0.009	0.028	0.01	0.092	0.170	1.1	2.33	135.4	>2419.2
12:50	15:30	Ephemeral stream	0.010	0.018	<0.03	0.593	0.600	1.5	7.73	71.7	6700.0
11:33	15:30	Left Fork	0.010	0.024	<0.03	0.123	0.210	1.6	2.75	22.3	>2419.2
12:35	15:30	House well	0.011	0.020	<0.03	0.564	0.590	0.1	6.22	<1.0	1.0
4/17/2017	**4/17/2017**	**Grab sample**									
12:02	14:55	Spring	0.007	0.044	0.02	0.154	0.400	5.3	6.46	1413.6	18420.0
11:45	14:55	Upstream farm	0.019	0.054	<0.03	0.025	0.120	5.3	1.55	1553.1	9330.0
10:51	14:55	Downstream farm	0.011	0.046	0.01	0.129	0.240	3.3	1.51	866.4	8360.0
11:10	14:55	Ephemeral stream	0.005	0.018	<0.03	0.651	0.680	0.9	1.71	410.6	7270.0
10:40	14:55	Left Fork	0.040	0.112	0.02	0.173	0.460	19.5	4.55	9090.0	129970.0
11:25	14:55	House well	0.006	0.016	0.01	0.563	0.570	0.2	1.94	<1.0	12.1
4/24/2017	**4/24/2017**	**Storm sample**									
11:50	15:30	Ephemeral stream	0.007	0.128	0.04	0.000	1.830	318.0	7.35	ND	ND
11:15	15:30	Field 1	0.395	0.592	0.13	0.143	1.500	43.1	7.25	ND	ND
11:35	15:30	Field 5a	0.961	1.212	0.12	0.321	1.530	11.7	11.53	ND	ND

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:15	15:30	Trench 1	0.005	0.040	21.95	0.133	22.760	18.5	7.04	ND	ND
12:20	15:30	Trench 2	0.010	0.084	0.04	0.087	0.930	8.2	8.78	ND	ND
4/27/2017	**4/27/2017**	**Grab sample**									
11:05	16:25	Spring	0.011	0.022	<0.03	0.380	0.440	3.1	2.58	165.8	>2419.2
12:10	16:25	Upstream farm	0.010	0.036	<0.03	0.117	0.120	7.1	1.34	172.3	2430.0
10:35	16:25	Downstream farm	0.014	0.042	<0.03	0.231	0.240	10.7	1.70	214.3	6090.0
10:20	16:25	Left Fork	0.016	0.046	<0.03	0.306	0.320	16.4	2.08	275.5	7230.0
11:30	16:25	House well	0.011	0.014	<0.03	0.532	0.530	0.1	0.69	5.1	52.8
11:43	16:25	Trench 2	0.006	0.046	0.04	0.029	0.420	2.4	4.95	115.3	2419.2
4/27/2017	**4/27/2017**	**Storm sample**									
11:52	16:25	Ephemeral stream	0.042	0.253	0.01	0.302	2.570	734.5	8.29	186.0	>2419.2
10:50	16:25	Field 1	0.550	0.784	0.08	0.107	1.320	52.2	8.46	ND	ND
11:15	16:25	Field 5a	0.686	0.846	0.07	0.063	0.860	11.3	7.26	ND	ND
13:40	16:25	Field 12	0.326	0.544	0.02	0.105	0.710	102.3	5.64	ND	ND
11:40	16:25	Trench 1	0.006	0.048	1.04	0.081	1.430	7.2	4.04	40.4	3990.0
5/1/2017	**5/1/2017**	**Grab sample**									
11:35	15:45	Spring	0.012	0.012	<0.03	0.343	0.480	0.3	4.34	127.4	2419.2

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
13:05	15:45	Upstream farm	0.013	0.026	<0.03	0.144	0.250	4.1	1.01	95.9	2280.0
11:01	15:45	Downstream farm	0.018	0.032	<0.03	0.279	0.390	6.9	1.22	187.2	3010.0
12:54	15:45	Ephemeral stream	0.014	0.018	<0.03	0.681	0.750	68.2	1.12	146.7	1986.3
10:50	15:45	Left Fork	0.019	0.068	<0.03	0.362	0.550	14.1	1.68	129.1	7430.0
12:15	15:45	House well	0.015	0.042	<0.03	0.529	0.650	1.8	1.59	4.1	3740.0
12:30	15:45	Trench 1	0.007	0.008	<0.03	0.124	0.180	2.3	1.05	435.2	12960.0
12:40	15:45	Trench 2	0.013	0.022	<0.03	0.000	0.230	3.4	3.02	435.2	3890.0
5/1/2017	**5/1/2017**	**Storm sample**									
11:20	15:45	Field 1	0.534	0.760	0.33	0.321	2.200	36.7	12.66	ND	ND
12:00	15:45	Field 5a	0.734	0.916	0.22	0.281	1.560	13.1	9.81	ND	ND
13:15	15:45	Field 12	0.224	0.374	0.03	0.166	1.060	40.6	7.25	ND	ND
12:30	15:45	Trench 1	0.009	0.050	0.61	0.076	2.400	10.7	4.56	ND	ND
12:40	15:45	Trench 2	0.008	0.066	0.02	0.010	0.810	11.2	8.31	ND	ND
5/11/2017	**5/11/2017**	**Grab sample**									
7:40	12:05	Spring	0.013	0.016	<0.03	0.406	0.410	0.9	4.97	30.5	1986.3
8:25	12:05	Upstream farm	0.009	0.022	<0.03	0.125	0.170	2.4	1.32	165.8	2419.2
7:24	12:05	Downstream farm	0.010	0.026	<0.03	0.397	0.400	2.4	1.18	93.3	3090.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
7:50	12:05	Ephemeral stream	0.009	0.018	<0.03	0.682	0.740	1.5	1.49	48.0	2419.2
7:13	12:05	Left Fork	0.012	0.024	<0.03	0.383	0.380	1.3	1.09	78.9	5460.0
7:55	12:05	House well	0.010	0.016	<0.03	1.023	1.080	0.6	1.19	<1.0	6.3
5/18/2017	**5/18/2017**	**Grab sample**									
10:55	15:00	Spring	0.006	0.018	<0.03	0.220	0.340	0.4	4.91	88.0	2419.2
11:40	15:00	Upstream farm	0.006	0.048	<0.03	0.067	0.190	2.9	1.50	260.2	>2419.2
10:45	15:00	Downstream farm	0.008	0.024	<0.03	0.189	0.300	1.9	1.10	129.6	3690.0
11:05	15:00	Ephemeral stream	0.012	0.020	<0.03	0.692	0.750	1.7	1.76	49.6	2419.2
10:30	15:00	Left Fork	0.009	0.022	<0.03	0.167	0.260	1.9	1.54	50.4	2419.2
11:15	15:00	House well	0.011	0.020	<0.03	0.431	0.600	0.6	5.05	1.0	3.1
5/25/2017	**5/25/2017**	**Grab sample**									
12:16	15:27	Spring	0.007	0.042	0.01	0.219	0.330	22.2	3.76	68.9	2419.2
13:06	15:27	Upstream farm	0.007	0.052	0.01	0.109	0.240	1.9	1.53	ND	ND
11:35	15:27	Downstream farm	0.008	0.020	0.01	0.295	0.300	1.7	1.41	101.7	>2419.2
12:25	15:27	Ephemeral stream	0.013	0.016	0.01	0.661	0.710	0.4	2.01	72.8	>2419.2
11:18	15:27	Left Fork	0.010	0.022	0.01	0.303	0.320	1.4	1.48	58.1	2419.2

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:48	15:27	House well	0.010	0.016	0.02	0.525	0.570	0.3	1.71	<1.0	613.1
5/25/2017	**5/25/2017**	**Storm sample**									
11:35	15:27	Downstream farm	0.006	0.050	<0.03	0.274	0.310	3.0	1.35	ND	ND
5/31/2017	**5/31/2017**	**Grab sample**									
10:38	13:50	Spring	0.007	0.036	<0.03	0.163	0.320	13.2	3.81	235.9	4280.0
11:05	13:50	Upstream farm	0.009	0.020	<0.03	0.053	0.140	1.9	1.34	157.6	2419.2
10:30	13:50	Downstream farm	0.008	0.052	<0.03	0.188	0.250	1.6	1.33	150.0	2419.2
10:55	13:50	Ephemeral stream	0.009	0.020	<0.03	0.769	0.790	2.5	1.53	275.5	3500.0
10:20	13:50	Left Fork	0.008	0.020	<0.03	0.156	0.220	1.5	1.58	260.2	4720.0
10:51	13:50	House well	0.019	0.026	<0.03	0.605	0.920	0.4	1.86	<1.0	22.1
6/5/2017	**6/5/2017**	**Grab sample**									
10:53	14:35	Spring	0.007	0.026	0.02	0.225	0.330	9.7	6.63	160.7	4640.0
11:51	14:35	Upstream farm	0.007	0.054	0.01	0.114	0.210	8.3	3.01	178.5	5040.0
10:35	14:35	Downstream farm	0.013	0.064	0.01	0.185	0.290	12.9	1.81	313.0	9330.0
11:03	14:35	Ephemeral stream	0.010	0.028	<0.03	0.706	0.710	1.5	2.38	613.1	5830.0
10:25	14:35	Left Fork	0.011	0.070	0.01	0.179	0.320	14.4	1.63	579.4	24000.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:09	14:35	House well	0.008	0.026	0.01	0.586	0.590	0.3	0.00	6.3	48.0
11:30	14:35	Trench 2	0.003	0.086	0.02	0.018	0.750	8.7	7.04	2780.0	>241920
6/6/2017	**6/6/2017**	**Storm sample**									
11:17	15:30	Field 1	0.747	0.998	0.51	0.438	2.340	56.0	10.39	ND	ND
12:12	15:30	Field 5a	1.000	1.430	0.05	1.861	2.380	<10.0	6.21	ND	ND
12:46	15:30	Field 12	0.316	0.470	0.03	0.166	1.660	280.8	6.65	ND	ND
11:30	15:30	Ephemeral stream	0.041	0.816	0.14	0.580	4.610	1788.2	9.24	ND	ND
11:02	15:30	Downstream farm	0.018	0.118	0.03	0.073	0.900	291.5	6.35	ND	ND
6/12/2017	**6/12/2017**	**Grab sample**									
10:27	14:25	Spring	0.006	0.084	0.01	0.193	0.400	53.3	2.57	29.5	155310.0
11:02	14:25	Upstream farm	0.008	0.026	0.01	0.105	0.130	2.0	1.01	121.1	6280.0
10:14	14:25	Downstream farm	0.009	0.020	0.01	0.256	0.270	1.6	0.77	119.8	4350.0
10:35	14:25	Ephemeral stream	0.010	0.882	<0.03	0.732	0.730	0.6	0.67	33.6	2419.2
10:05	14:25	Left Fork	0.006	0.016	<0.03	0.143	0.190	0.9	1.17	77.1	4350.0
10:40	14:25	House well	0.010	0.012	0.00	0.591	0.590	0.0	1.20	<1.0	3.1
6/19/2017	**6/19/2017**	**Grab sample**									
10:45	14:25	Spring	0.007	0.046	0.01	0.227	0.710	25.6	7.34	9.6	1986.3

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:17	14:25	Upstream farm	0.009	0.014	<0.03	0.089	0.120	1.4	2.99	60.1	3640.0
10:35	14:25	Downstream farm	0.007	0.016	0.01	0.256	0.300	1.9	2.75	75.9	7590.0
10:25	14:25	Left Fork	0.006	0.018	0.01	0.226	0.280	2.1	2.15	32.3	4130.0
11:00	14:25	House well	0.009	0.014	0.02	0.582	0.580	0.3	6.92	<1.0	<1.0
6/29/2017	**6/29/2017**	**Grab sample**									
11:47	14:55	Spring	0.006	0.016	0.01	0.244	0.280	5.0	9.08	9.8	866.4
12:19	14:55	Upstream farm	0.007	0.016	0.01	0.083	0.130	1.1	3.10	52.9	3950.0
11:35	14:55	Downstream farm	0.010	0.018	0.02	0.293	0.360	1.8	2.27	28.8	3410.0
11:24	14:55	Left Fork	0.010	0.016	0.02	0.236	0.320	1.3	2.77	29.8	3640.0
12:01	14:55	House well	0.009	0.014	0.01	0.574	0.640	0.3	4.39	1.0	2.0
7/5/2017	**7/5/2017**	**Grab sample**									
11:25	14:55	Spring	0.008	0.022	<0.03	0.107	0.250	1.9	9.11	90.7	4430.0
12:15	14:55	Upstream farm	0.011	0.028	<0.03	0.094	0.180	2.5	2.76	261.3	9060.0
11:05	14:55	Downstream farm	0.011	0.026	<0.03	0.169	0.270	3.1	2.29	185.0	18500.0
10:55	14:55	Left Fork	0.014	0.040	<0.03	0.220	0.390	8.7	3.37	387.3	28510.0
12:30	14:55	House well	0.009	0.010	<0.03	0.570	0.570	0.0	2.61	1.0	31.1
7/11/2017	**7/11/2017**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:40	13:48	Spring	0.004	0.008	<0.03	0.296	0.330	1.5	7.60	20.1	>2419.2
11:23	13:48	Upstream farm	0.004	0.026	0.01	0.064	0.110	1.5	2.56	585.0	5860.0
10:26	13:48	Downstream farm	0.006	0.014	<0.03	0.154	0.210	1.5	1.45	55.4	11120.0
10:17	13:48	Left Fork	0.005	0.020	0.02	0.125	0.210	3.0	2.52	73.8	12590.0
10:50	13:48	House well	0.006	0.012	0.03	0.573	0.570	0.3	3.50	<1.0	1.0
7/19/2017	**7/19/2017**	**Grab sample**									
10:51	15:30	Spring	0.002	0.214	0.03	0.295	0.770	156.7	0.75	4.1	1119.9
12:04	15:30	Upstream farm	0.003	0.030	0.01	0.105	0.130	1.3	0.92	27.2	7514.7
10:26	15:30	Downstream farm	0.005	0.016	0.01	0.232	0.280	1.7	0.53	35.0	9060.0
10:12	15:30	Left Fork	0.004	0.018	0.01	0.213	0.310	6.4	1.62	19.3	10810.0
11:40	15:30	House well	0.005	0.012	0.04	0.730	0.730	0.0	0.47	<1.0	<1.0
7/26/2017	**7/26/2017**	**Grab sample**									
7:28	11:40	Spring	0.001	0.248	0.02	0.209	0.760	174.7	3.47	2.0	>2419.2
8:08	11:40	Upstream farm	0.005	0.014	0.04	0.162	0.290	3.6	1.87	166.4	11530.0
7:05	11:40	Downstream farm	0.005	0.018	0.03	0.364	0.450	3.1	1.78	28.1	15660.0
6:51	11:40	Left Fork	0.003	0.016	0.05	0.223	0.370	2.7	1.89	27.8	14670.0
7:44	11:40	House well	0.004	0.012	0.01	0.779	0.820	0.1	2.62	<1.0	<1.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
8/3/2017	**8/3/2017**	**Grab sample**									
11:52	15:08	Spring	0.001	0.036	0.01	0.156	0.240	7.5	3.98	33.1	3680.0
12:32	15:08	Upstream Farm	0.005	0.022	<0.03	0.136	0.210	1.0	0.89	27.2	6500.0
11:25	15:08	Downstream Farm	0.007	0.026	0.02	0.297	0.390	1.5	0.84	43.2	12110.0
11:12	15:08	Left Fork	0.003	0.022	0.04	0.221	0.360	2.0	1.24	14.6	7800.0
12:09	15:08	House well	0.006	0.018	0.02	0.542	0.630	0.0	1.09	<1.0	1.0
8/3/2017	**8/3/2017**	**Storm sample**									
11:25	15:08	Downstream farm	0.000	0.032	0.01	0.185	0.250	1.1	7.88	ND	ND
8/9/2017	**8/9/2017**	**Grab sample**									
11:56	15:00	Spring	0.004	0.024	0.04	0.158	0.200	3.5	0.59	22.8	>2419.2
12:36	15:00	Upstream farm	0.008	0.022	0.04	0.162	0.210	1.0	0.50	177.9	7710.0
11:29	15:00	Downstream farm	0.010	0.036	0.02	0.351	0.440	1.5	0.38	23.1	7980.0
11:11	15:00	Left Fork	0.007	0.032	0.03	0.259	0.370	2.1	0.78	60.9	5300.0
12:10	15:00	House well	0.008	0.020	0.00	0.596	0.630	0.3	0.03	<1.0	<1.0
8/16/2017	**8/16/2017**	**Grab sample**									
7:04	11:50	Spring	0.005	0.094	0.01	0.111	0.470	40.7	7.99	816.4	16690.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
7:58	11:50	Upstream farm	0.010	0.030	<0.03	0.092	0.210	3.9	2.50	648.8	13540.0
6:47	11:50	Downstream farm	0.010	0.028	<0.03	0.216	0.320	3.3	1.66	157.6	12960.0
6:29	11:50	Left Fork	0.010	0.028	0.01	0.659	0.770	4.6	2.20	517.2	15530.0
7:24	11:50	House well	0.016	0.016	<0.03	0.652	0.650	0.3	1.83	<1.0	2.0
8/24/2016	**8/24/2016**	**Grab sample**									
11:58	14:55	Spring	0.005	0.064	<0.03	0.075	0.360	27.0	4.38	435.2	20140.0
12:38	14:55	Upstream farm	0.011	0.038	<0.03	0.132	0.280	3.3	2.35	344.8	18420.0
11:23	14:55	Downstream farm	0.012	0.040	0.01	0.192	0.330	3.5	2.37	261.3	31300.0
11:11	14:55	Left Fork	0.011	0.044	<0.03	0.175	0.330	5.3	2.14	461.1	17820.0
12:15	14:55	House well	0.014	0.018	<0.03	0.625	0.640	0.2	0.59	<1.0	4.1
8/24/2017	**8/24/2017**	**Storm sample**									
11:23	14:55	Downstream farm	0.007	0.126	<0.03	0.182	0.570	38.1	26.88	ND	ND
8/31/2017	**8/31/2017**	**Grab sample**									
11:28	14:15	Spring	0.008	0.084	0.16	0.299	0.520	42.3	2.77	101.7	7490.0
11:55	14:15	Upstream farm	0.009	0.024	0.02	0.075	0.150	1.5	0.73	105.0	5370.0
11:18	14:15	Downstream farm	0.010	0.026	<0.03	0.167	0.230	2.7	1.08	47.2	10460.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:00	14:15	Left Fork	0.008	0.024	<0.03	0.063	0.140	2.2	0.00	55.7	6570.0
11:41	14:15	House well	0.010	0.018	0.01	0.664	0.660	0.5	0.52	1.0	4.1
9/6/2017	**9/6/2017**	**Grab sample**									
8:41	12:15	Spring	0.006	0.116	<0.03	0.255	0.550	62.8	1.06	31.7	2419.2
9:20	12:15	Upstream farm	0.008	0.020	<0.03	0.126	0.180	1.1	0.50	66.3	4280.0
8:22	12:15	Downstream farm	0.019	0.019	0.01	0.246	0.330	1.7	0.51	51.2	6970.0
8:06	12:15	Left Fork	0.011	0.024	0.01	0.101	0.200	1.9	0.76	133.3	7800.0
8:57	12:15	House well	0.010	0.018	0.01	0.669	0.690	0.3	0.25	<1.0	<1.0
9/13/2017	**9/13/2017**	**Grab sample**									
10:02	13:25	Spring	0.007	0.132	0.01	0.193	0.400	80.0	0.85	8.6	6970.0
10:30	13:25	Upstream farm	0.011	0.022	0.01	0.132	0.220	2.3	0.87	410.6	16070.0
9:46	13:25	Downstream farm	0.015	0.024	0.02	0.355	0.430	2.5	0.52	18.7	7280.0
9:36	13:25	Left Fork	0.010	0.028	0.02	0.130	0.220	1.7	0.69	18.7	6270.0
10:15	13:25	House well	0.012	0.016	0.02	0.664	0.690	1.2	0.33	<1.0	<1.0
9/21/2017	**9/21/2017**	**Grab sample**									
10:50	14:40	Downstream farm	0.012	0.026	0.02	0.418	0.470	1.8	1.93	101.4	6240.0
10:34	14:40	Left Fork	0.007	0.026	<0.03	0.143	0.270	2.1	2.43	10.9	6380.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:25	14:40	House well	0.007	0.016	<0.03	0.671	0.680	0.0	1.33	<1.0	1.0
9/28/2017	**9/28/2017**	**Grab sample**									
11:29	14:19	Downstream farm	0.015	0.028	0.04	0.402	0.480	1.3	2.14	62.7	3320.0
11:17	14:19	Left Fork	0.010	0.026	0.02	0.106	0.200	1.8	2.64	3.1	7120.0
11:45	14:19	House well	0.014	0.018	0.03	0.623	0.680	0.6	2.16	<1.0	<1.0
10/5/2017	**10/5/2017**	**Grab sample**									
9:15	13:20	Downstream farm	0.014	0.022	0.01	0.478	0.560	2.1	0.76	99.1	7030.0
9:03	13:20	Left Fork	0.011	0.022	0.01	0.135	0.240	2.3	0.24	10.9	8570.0
9:46	13:20	House well	0.014	0.014	0.03	0.660	0.690	0.2	0.60	<1.0	17.5
10/12/2017	**10/12/2017**	**Grab sample**									
8:13	12:40	Downstream farm	0.012	0.024	0.02	0.511	0.580	0.7	0.55	72.7	3690.0
8:01	12:40	Left Fork	0.011	0.020	<0.03	0.122	0.180	0.8	0.80	17.3	4410.0
8:40	12:40	House well	0.010	0.016	<0.03	0.660	0.730	0.0	0.28	<1.0	<1.0
10/18/2017	**10/18/2017**	**Grab sample**									
12:12	15:00	Downstream farm	0.012	0.020	0.02	0.495	0.700	2.1	0.42	11.0	3010.0
11:59	15:00	Left Fork	0.010	0.018	0.01	0.129	0.270	2.3	1.14	4.1	3640.0
12:35	15:00	House well	0.009	0.010	0.01	0.632	0.780	0.5	0.04	<1.0	1.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10/23/2017	**10/23/2017**	**Grab sample**									
12:00	15:20	Spring	0.011	0.220	0.04	0.402	1.100	124.4	4.37	1986.3	28090.0
12:52	15:20	Upstream farm	0.025	0.042	0.02	0.469	0.640	1.7	1.26	1046.2	39680.0
11:28	15:20	Downstream farm	0.017	0.044	0.02	1.056	1.370	4.5	2.25	1732.9	270.0
11:10	15:20	Left Fork	0.022	0.058	0.01	1.042	1.350	5.9	2.36	3090.0	39680.0
12:31	15:20	House well	0.010	0.012	<0.03	0.641	0.800	0.0	0.13	<1.0	6.3
10/23/2017	**10/23/2017**	**Storm sample**									
12:16	15:20	Ephemeral stream	0.109	0.348	0.70	5.834	9.820	538.3	13.53	ND	ND
11/1/2017	**11/1/2017**	**Grab sample**									
8:06	12:15	Downstream farm	0.017	0.024	0.02	0.510	0.650	1.5	0.22	20.1	4260.0
7:51	12:15	Left Fork	0.010	0.014	0.01	0.189	0.270	0.0	0.94	23.8	2419.2
8:43	12:15	House well	0.012	0.018	0.01	0.833	0.960	0.0	0.24	<1.0	<1.0
11/9/2017	**11/9/2017**	**Grab sample**									
7:59	12:05	Downstream farm	0.013	0.018	0.02	0.466	0.570	0.7	6.04	9.8	6440.0
7:42	12:05	Left Fork	0.009	0.016	0.01	0.130	0.250	0.6	6.44	16.9	4410.0
8:30	12:05	House well	0.009	0.012	0.01	0.770	0.860	0.3	7.98	<1.0	<1.0
11/15/2017	**11/15/2017**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
7:36	13:15	Downstream farm	0.013	0.022	0.04	0.475	0.660	4.1	0.63	6.3	4640.0
7:24	13:15	Left Fork	0.006	0.015	0.03	0.142	0.260	0.2	0.68	3.1	198630.0
8:54	13:15	House well	0.007	0.007	0.02	0.789	0.850	0.0	0.00	<1.0	1.0
9:10	13:15	Trench 2	0.009	0.275	0.06	5.959	8.280	23.0	4.20	9080.0	241960
11/15/2017	**11/15/2017**	**Storm grab sample**									
8:37	13:15	Downstream farm	0.036	0.085	0.04	0.443	0.770	18.5	2.04	4220.0	61310.0
8:27	13:15	Left Fork	0.012	0.021	0.04	0.155	0.340	1.1	1.01	124.6	7430.0
11/30/2017	**11/30/2017**	**Grab sample**									
7:45	12:20	Downstream farm	0.012	0.029	0.05	0.361	0.500	0.9	0.11	2.0	2419.2
7:28	12:20	Left Fork	0.005	0.016	0.05	0.122	0.230	1.1	0.48	10.0	1732.0
8:24	12:20	House well	0.009	0.024	0.04	0.717	0.850	0.0	0.00	<1.0	<1.0
12/13/2017	**12/13/2017**	**Grab sample**									
8:15	12:35	Upstream farm	0.007	0.164	0.01	0.067	0.100	0.3	0.41	10.8	>2419.2
7:25	12:35	Downstream farm	0.012	0.016	0.02	0.438	0.520	1.1	0.16	3.1	1553.1
7:04	12:35	Left Fork	0.005	0.007	0.01	0.256	0.300	0.1	0.34	8.4	1299.7
7:57	12:35	House well	0.010	0.011	0.03	0.683	0.840	0.3	0.00	<1.0	2.0
12/18/2017	**12/18/2017**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:02	14:43	Downstream farm	0.011	0.011	0.02	0.356	0.460	1.0	1.61	7.1	>2419.2
11:15	14:43	Left Fork	0.004	0.004	0.01	0.194	0.300	0.0	1.53	27.2	>2419.2
11:33	14:43	House well	0.010	0.010	0.02	0.683	0.810	0.5	1.76	<1.0	<1.0
1/4/2018	**1/4/2018**	**Grab sample**									
12:45	15:20	Upstream farm	0.006	0.006	0.01	0.165	0.270	1.3	2.19	18.3	2880.0
12:05	15:20	Downstream farm	0.009	0.009	0.01	0.300	0.410	0.5	2.22	2.0	613.1
11:52	15:20	Left Fork	0.004	0.005	0.01	0.228	0.310	0.7	1.58	1.0	461.1
12:22	15:20	House well	0.007	0.007	0.01	0.683	0.840	0.1	3.05	<1.0	1.0
1/18/2018	**1/18/2018**	**Grab sample**									
11:50	14:45	Upstream farm	0.005	0.005	0.02	0.125	0.180	0.5	2.14	24.7	>2419.2
11:01	14:45	Downstream farm	0.007	0.007	0.01	0.214	0.300	0.5	1.97	14.5	547.5
10:45	14:45	Left Fork	0.002	0.002	0.01	0.128	0.180	0.6	1.17	1.0	461.1
11:24	14:45	House well	0.006	0.006	0.03	0.670	0.820	0.3	0.72	<1.0	<1.0
1/30/2018	**1/30/2018**	**Grab sample**									
12:13	14:30	Upstream farm	0.006	0.007	0.00	0.143	0.210	1.1	2.40	18.9	613.1
11:36	14:30	Downstream farm	0.005	0.005	0.00	0.163	0.230	4.6	2.22	4.1	579.4

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:24	14:30	Left Fork	0.005	0.005	0.00	0.216	0.280	4.0	2.37	9.7	686.7
12:00	14:30	House well	0.009	0.009	0.00	0.642	0.800	0.4	4.84	<1.0	<1.0
2/14/2018	**2/14/2018**	**Grab sample**									
10:46	13:20	Upstream farm	0.006	0.006	0.01	0.064	0.090	0.7	0.82	53.0	613.1
10:00	13:20	Downstream farm	0.008	0.008	0.01	0.150	0.220	1.4	1.29	35.5	816.1
9:44	13:20	Left Fork	0.004	0.004	0.01	0.143	0.130	1.2	1.29	13.4	866.4
10:31	13:20	House well	0.008	0.008	0.04	0.711	0.820	0.6	1.27	<1.0	<1.0
2/21/2018	**2/21/2018**	**Storm sample**									
11:32	15:32	Field 5a	1.496	2.078	0.14	0.307	2.990	66.9	17.12	ND	ND
2/22/2018	**2/22/2018**	**Grab sample**									
11:16	14:35	Spring	0.010	0.032	0.02	0.560	0.780	1.1	8.28	86.0	>2419.2
12:16	14:35	Upstream farm	0.008	0.043	0.01	0.358	0.460	5.7	2.89	261.3	>2419.2
11:00	14:35	Downstream farm	0.011	0.050	0.03	0.499	0.720	6.5	3.19	387.3	2650.0
12:04	14:35	Ephemeral stream	0.009	0.037	0.01	1.869	2.030	1.4	4.22	90.6	2720.0
10:52	14:35	Left Fork	0.015	0.057	0.02	0.660	0.880	7.4	3.32	238.2	4130.0
11:38	14:35	House well	0.007	0.024	0.01	0.697	0.900	0.2	3.19	<1.0	<1.0
11:43	14:35	Trench 1	0.008	0.043	0.06	1.334	1.590	2.1	3.55	8.4	6113.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
2/26/2018	**2/26/2018**	**Storm sample**									
11:52	15:40	Ephemeral stream	0.061	0.173	0.04	1.735	2.720	56.5	6.34	ND	ND
12:05	15:40	Field 5a	0.735	1.495	0.12	0.087	2.280	175.5	7.22	ND	ND
3/1/2018	**3/1/2018**	**Grab sample**									
11:43	15:00	Spring	0.014	0.037	0.00	0.284	0.540	6.9	5.44	74.4	613.1
12:36	15:00	Upstream farm	0.009	0.032	0.01	0.226	0.370	0.0	1.94	325.5	1732.9
11:29	15:00	Downstream farm	0.008	0.035	0.01	0.337	0.460	2.9	2.17	142.1	1413.6
12:24	15:00	Ephemeral stream	0.010	0.029	0.00	1.078	1.310	0.9	5.62	90.7	>2419.2
11:20	15:00	Left Fork	0.011	0.037	0.01	0.349	0.490	2.6	2.26	137.6	1986.3
11:55	15:00	House well	0.014	0.031	0.02	0.655	0.770	0.5	3.77	8.5	16.0
12:06	15:00	Trench 1	0.007	0.024	0.01	1.668	1.850	0.5	1.89	1.0	235.9
3/7/2018	**3/7/2018**	**Grab sample**									
11:21	15:10	Spring	0.008	0.033	0.01	0.790	1.100	20.2	2.74	34.1	613.1
12:06	15:10	Upstream farm	0.006	0.009	0.00	0.177	0.260	1.6	1.02	35.5	344.8
11:03	15:10	Downstream farm	0.008	0.013	0.00	0.356	0.480	1.3	1.07	29.9	613.1
11:31	15:10	Ephemeral stream	0.008	0.010	0.01	0.764	0.980	1.5	0.72	101.4	5940.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:50	15:10	Left Fork	0.009	0.009	0.00	0.345	0.460	0.8	0.81	63.1	579.4
11:40	15:10	House well	0.012	0.012	0.04	0.679	0.840	0.7	0.81	<1.0	<1.0
3/14/2018	**3/14/2018**	**Grab sample**									
12:20	15:00	Upstream farm	0.006	0.006	0.00	0.072	0.160	0.6	0.69	118.3	461.1
11:38	15:00	Downstream farm	0.007	0.019	0.00	0.254	0.410	0.2	0.81	24.3	387.3
11:25	15:00	Left Fork	0.006	0.006	0.00	0.175	0.270	0.5	1.21	18.3	365.4
3/29/2018	**3/29/2018**	**Grab sample**									
12:13	15:50	Spring	0.007	0.035	0.00	0.127	0.470	7.3	6.01	1046.2	21430.0
13:30	15:50	Upstream farm	0.037	0.167	0.01	0.149	0.840	99.3	6.10	3840.0	30760.0
12:35	15:50	Ephemeral stream	0.039	0.075	0.02	0.870	1.430	8.6	4.64	5370.0	27550.0
11:45	15:50	Left Fork	0.066	0.275	0.03	0.141	0.950	147.9	7.90	10460.0	54750.0
12:40	15:50	House well	0.013	0.013	0.02	0.648	0.830	0.1	1.28	<1.0	5.2
12:50	15:50	Trench 1	0.003	0.040	0.02	1.014	1.600	3.8	5.22	770.1	32550.0
13:05	15:50	Field 5a	2.067	2.247	0.05	0.296	1.750	27.1	12.48	72700.0	>241920
3/29/2018	**3/29/2018**	**Storm sample**									
11:56	15:50	Downstream farm	0.003	0.079	0.01	0.016	0.590	44.1	27.16	ND	ND
4/5/2018	**4/5/2018**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
9:39	14:10	Spring	0.008	0.008	0.00	0.448	0.650	2.7	3.29	21.8	648.8
10:34	14:10	Upstream farm	0.006	0.006	0.00	0.115	0.190	1.3	1.17	62.0	727.0
9:19	14:10	Downstream farm	0.006	0.006	0.00	0.268	0.380	1.8	1.31	224.7	1046.2
9:54	14:10	Ephemeral stream	0.005	0.005	0.00	0.778	0.980	1.1	2.38	40.8	2419.2
9:01	14:10	Left Fork	0.007	0.007	0.00	0.277	0.410	2.0	1.63	104.6	1046.2
10:07	14:10	House well	0.007	0.007	0.00	0.524	0.810	0.7	2.38	<1.0	5.2
11:00	14:10	Trench 1	0.002	0.002	0.01	1.291	1.470	0.9	0.88	1.0	275.5
4/12/2018	**4/12/2018**	**Grab sample**									
8:31	13:15	Spring	0.008	0.008	0.00	0.848	1.050	0.9	12.16	8.4	410.6
9:21	13:15	Upstream farm	0.003	0.003	0.00	0.051	0.110	0.9	4.09	98.7	1119.9
8:13	13:15	Downstream farm	0.004	0.004	0.00	0.189	0.280	0.9	3.25	74.9	1119.9
8:46	13:15	Ephemeral stream	0.004	0.004	0.00	0.717	0.870	0.3	5.75	30.9	>2419.2
7:58	13:15	Left Fork	0.003	0.003	0.00	0.156	0.250	0.7	3.15	45.7	1203.3
4/16/2018	**4/16/2018**	**Storm sample**									
12:30	15:00	Ephemeral stream	0.009	0.038	0.04	0.920	1.230	7.2	2.20	ND	ND
4/19/2018	**4/19/2018**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:37	15:30	Spring	0.008	0.008	0.00	0.772	1.030	0.8	1.94	22.8	410.6
11:17	15:30	Upstream farm	0.006	0.009	0.00	0.076	0.170	0.9	0.99	88.0	866.4
10:15	15:30	Downstream farm	0.005	0.014	0.00	0.154	0.250	1.3	0.95	113.7	1553.1
10:51	15:30	Ephemeral stream	0.003	0.004	0.00	0.654	0.820	0.7	1.09	29.2	1986.3
10:01	15:30	Left Fork	0.004	0.007	0.00	0.113	0.230	1.3	1.17	127.4	2419.2
11:04	15:30	House well	0.006	0.006	0.01	0.642	0.830	0.1	7.41	<1.0	<1.0
4/23/2018	**4/23/2018**	**Storm sample**									
11:10	15:05	Ephemeral stream	0.002	0.014	0.02	0.680	0.940	10.4	7.70	ND	ND
4/26/2018	**4/26/2018**	**Grab sample**									
11:30	15:10	Spring	0.006	0.032	0.00	0.131	0.390	2.0	6.56	547.5	2419.2
12:23	15:10	Upstream farm	0.004	0.022	0.00	0.057	0.150	2.4	1.94	307.6	3500.0
11:15	15:10	Downstream farm	0.004	0.029	0.00	0.081	0.230	4.5	1.98	686.7	5120.0
11:42	15:10	Ephemeral stream	0.005	0.010	0.00	0.799	1.050	0.3	2.03	60.1	2419.2
11:05	15:10	Left Fork	0.003	0.014	0.00	0.069	0.210	2.5	1.86	292.4	2010.0
11:53	15:10	House well	0.008	0.009	0.00	0.628	0.770	0.3	1.60	<1.0	2.0
5/3/2018	**5/3/2018**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
10:00	13:44	Spring	0.007	0.058	0.00	0.115	0.500	4.9	6.06	1046.2	54750.0
11:04	13:44	Upstream farm	0.054	0.305	0.02	0.106	1.080	17.2	3.90	15000.0	173290
9:47	13:44	Downstream farm	0.010	0.065	0.01	0.095	0.400	74.9	5.62	3730.0	23820.0
10:28	13:44	Ephemeral stream	0.017	0.033	0.00	0.919	1.120	16.2	5.81	248.9	13790.0
9:38	13:44	Left Fork	0.023	0.150	0.01	0.167	0.850	20.9	6.38	7540.0	86640.0
10:38	13:44	House well	0.009	0.026	0.00	0.661	0.760	0.6	1.62	<1.0	2.0
10:45	13:44	Trench 1	0.004	0.048	0.00	0.636	0.880	5.9	2.52	135.4	54750.0
10:45	13:44	Trench 2	0.004	0.320	0.02	0.240	1.770	32.1	15.79	290.9	241920
10:15	13:44	Field 1	0.273	0.467	0.06	0.037	1.750	27.5	8.12	41060.0	241920
5/3/2018	**5/3/2018**	**Storm sample**									
10:28	13:44	Ephemeral stream	0.004	0.044	0.01	1.008	1.380	100.8	2.80	ND	ND
5/17/2018	**5/17/2018**	**Grab sample**									
8:09	12:30	Spring	0.005	0.023	0.01	0.673	0.870	13.1	3.78	16.0	579.4
8:53	12:30	Upstream farm	0.004	0.010	0.01	0.130	0.240	2.6	1.67	101.7	3500.0
7:48	12:30	Downstream farm	0.007	0.022	0.02	0.275	0.440	1.8	1.47	82.0	8200.0
7:33	12:30	Left Fork	0.006	0.012	0.02	0.268	0.430	2.0	2.12	26.9	2490.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
8:30	12:30	House well	0.005	0.006	0.01	0.814	0.930	0.3	1.13	1.0	2.0
5/24/2018	**5/24/2018**	**Grab sample**									
11:35	14:40	Spring	0.009	0.017	0.00	0.634	0.780	2.9	1.71	5.1	4260.0
12:25	14:40	Upstream farm	0.006	0.015	0.00	0.118	0.220	1.1	0.93	517.2	17890.0
11:25	14:40	Downstream farm	0.010	0.017	0.01	0.315	0.460	1.3	0.84	41.1	2419.2
11:15	14:40	Left Fork	0.008	0.015	0.02	0.318	0.510	2.5	1.07	33.7	4020.0
12:05	14:40	House well	0.009	0.012	0.01	0.666	0.770	0.5	0.96	<1.0	<1.0
5/31/2018	**5/31/2018**	**Grab sample**									
11:17	14:45	Spring	0.005	0.012	0.00	0.473	0.640	2.0	2.35	74.3	8360.0
11:43	14:45	Upstream farm	0.006	0.015	0.00	0.085	0.200	1.6	1.13	90.6	4080.0
11:05	14:45	Downstream farm	0.008	0.014	0.01	0.198	0.340	1.9	1.13	66.9	4570.0
11:00	14:45	Left Fork	0.006	0.014	0.01	0.146	0.290	3.1	1.22	60.9	3450.0
11:30	14:45	House well	0.007	0.010	0.01	0.661	0.780	0.1	0.55	<1.0	<1.0
6/7/2018	**6/7/2018**	**Grab sample**									
8:04	12:10	Spring	0.008	0.027	0.00	0.578	0.770	5.8	23.88	145.0	8300.0
8:31	12:10	Upstream farm	0.011	0.020	0.01	0.124	0.230	2.2	7.79	209.8	6630.0
7:51	12:10	Downstream farm	0.009	0.021	0.04	0.112	0.420	2.5	7.51	111.9	4880.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
7:39	12:10	Left Fork	0.009	0.024	0.06	0.189	0.390	3.4	7.93	58.1	8860.0
8:18	12:10	House well	0.008	0.012	0.01	0.825	0.940	0.7	12.33	<1.0	<1.0
6/13/2018	**6/13/2018**	**Grab sample**									
12:53	16:10	Spring	0.005	0.020	0.00	0.707	0.940	6.4	4.08	74.9	8130.0
12:44	16:10	Upstream farm	0.004	0.017	0.01	0.107	0.290	8.9	1.35	648.8	8300.0
10:51	16:10	Downstream farm	0.008	0.012	0.01	0.320	0.470	1.2	0.94	61.3	5040.0
10:40	16:10	Left Fork	0.006	0.014	0.02	0.213	0.440	2.9	1.46	38.2	6630.0
12:30	16:10	House well	0.006	0.006	0.00	0.669	0.800	0.1	0.52	<1.0	2.0
6/28/2018	**6/28/2018**	**Grab sample**									
12:38	15:00	Upstream farm	0.008	0.013	0.02	0.217	0.370	1.4	1.84	66.3	985.0
12:00	15:00	Downstream farm	0.008	0.023	0.02	0.375	0.580	8.4	1.96	8.6	374.0
11:45	15:00	Left Fork	0.003	0.013	0.02	0.129	0.350	2.4	2.06	5.2	798.0
12:12	15:00	House well	0.007	0.007	0.00	0.660	0.790	0.0	2.75	<1.0	<1.0
7/5/2018	**7/5/2018**	**Grab sample**									
11:38	15:40	Downstream farm	0.008	0.021	0.02	0.405	0.600	2.3	2.59	14.5	6840.0
11:28	15:40	Left Fork	0.002	0.019	0.01	0.152	0.390	1.8	3.09	1.0	10500.0
12:10	15:40	House well	0.005	0.014	0.00	0.677	0.820	1.1	2.15	0.0	6.3

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
7/12/2018	**7/12/2018**	**Grab sample**									
7:07	11:20	Downstream farm	0.008	0.008	0.02	0.480	0.660	1.7	2.79	93.3	7270.0
6:47	11:20	Left Fork	0.007	0.007	0.02	0.120	0.350	2.2	3.61	5.2	11060.0
7:36	11:20	House well	0.006	0.006	0.00	1.098	1.230	0.2	1.70	0.0	1.0
7/18/2018	**7/18/2018**	**Grab sample**									
6:44	11:00	Downstream farm	0.013	0.017	0.03	0.487	0.660	1.9	0.43	114.5	8570.0
6:31	11:00	Left Fork	0.011	0.016	0.03	0.120	0.320	1.7	1.27	13.2	11980.0
7:12	11:00	House well	0.010	0.017	0.01	1.587	1.670	1.1	1.23	<1.0	<1.0
7/25/2018	**7/25/2018**	**Grab sample**									
11:08	13:45	Downstream farm	0.008	0.008	0.00	0.418	0.590	1.7	1.10	13.2	7230.0
10:56	13:45	Left Fork	0.006	0.010	0.00	0.102	0.280	2.5	1.99	2.0	8600.0
11:22	13:45	House well	0.007	0.007	0.00	0.697	0.840	0.1	6.11	<1.0	<1.0
8/1/2018	**8/1/2018**	**Grab sample**									
11:35	15:00	Spring	0.007	0.028	0.02	2.471	2.990	8.5	4.60	920.8	155310
12:30	15:00	Upstream farm	0.020	0.036	0.03	0.832	1.200	4.0	4.09	1732.9	20460.0
11:17	15:00	Downstream farm	0.008	0.013	0.02	0.605	0.800	2.2	0.93	101.4	10711.0
11:03	15:00	Left Fork	0.006	0.015	0.02	0.482	0.730	3.6	1.44	95.9	9330.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:05	15:00	House well	0.009	0.009	0.02	0.697	0.790	0.8	0.54	<1.0	3.1
8/9/2018	**8/9/2018**	**Grab sample**									
11:38	14:15	Spring	0.008	0.008	0.00	0.367	0.460	2.0	1.21	43.7	28510.0
11:21	14:15	Downstream farm	0.012	0.012	0.01	0.418	0.560	1.5	0.48	74.9	5830.0
11:08	14:15	Left Fork	0.007	0.007	0.01	0.126	0.280	2.8	1.15	32.7	7380.0
11:53	14:15	House well	0.010	0.010	0.01	0.712	0.850	0.9	0.02	<1.0	<1.0
8/16/2018	**8/16/2018**	**Grab sample**									
12:33	15:15	Upstream farm	0.009	0.009	0.00	0.245	0.340	1.4	1.62	210.5	7540.0
12:43	15:15	Downstream farm	0.009	0.009	0.01	0.486	0.630	1.5	1.30	49.5	5650.0
13:01	15:15	Left Fork	0.006	0.006	0.01	0.413	0.630	36.6	2.02	10.9	4640.0
12:00	15:15	House well	0.008	0.008	0.00	0.682	0.770	0.0	2.37	<1.0	<1.0
8/23/2018	**8/23/2018**	**Grab sample**									
13:05	15:25	Upstream farm	0.009	0.010	0.01	0.110	0.160	1.5	1.39	75.4	4040.0
11:41	15:25	Downstream farm	0.008	0.011	0.02	0.245	0.320	1.7	1.43	44.3	3690.0
11:27	15:25	Left Fork	0.004	0.008	0.03	0.118	0.220	2.2	1.77	57.3	3310.0
12:50	15:25	House well	0.007	0.007	0.01	0.701	0.750	0.0	0.88	<1.0	<1.0
8/30/2018	**8/30/2018**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
13:20	15:30	Upstream farm	0.008	0.008	0.01	0.138	0.290	1.3	3.35	1203.3	10710.0
11:58	15:30	Downstream farm	0.018	0.041	0.02	0.474	0.810	20.1	2.15	1986.3	57940.0
11:40	15:30	Left Fork	0.010	0.022	0.01	0.302	0.580	7.1	2.27	248.9	10810.0
12:56	15:30	House well	0.007	0.007	0.00	0.686	0.840	0.3	11.68	<1.0	3.0
8/30/2018	**8/30/2018**	**Storm sample**									
12:20	15:30	Field 1	1.617	1.875	0.69	1.869	5.510	49.6	17.02	ND	ND
9/6/2018	**9/6/2018**	**Grab sample**									
7:27	11:50	Downstream farm	0.012	0.016	0.02	0.431	0.600	2.9	0.96	143.9	5380.0
7:10	11:50	Left Fork	0.007	0.007	0.02	0.174	0.350	3.6	1.02	45.7	7890.0
7:58	11:50	House well	0.006	0.006	0.00	0.732	0.820	0.5	0.32	<1.0	4.1
9/11/2018	**9/11/2018**	**Grab sample**									
9:42	13:10	Downstream farm	0.012	0.020	0.02	0.382	0.530	2.6	4.27	50.4	5040.0
9:30	13:10	Left Fork	0.007	0.014	0.01	0.162	0.290	2.9	4.38	27.8	5460.0
10:05	13:10	House well	0.007	0.011	0.00	0.747	0.860	0.5	5.46	<1.0	1.0
9/25/2018	**9/25/2018**	**Grab sample**									
11:40	15:00	Spring	0.010	0.034	0.00	1.386	1.840	17.8	17.41	290.9	14670.0
12:23	15:00	Upstream farm	0.016	0.024	0.00	0.202	0.320	3.2	5.90	1046.2	22820.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:17	15:00	Downstream farm	0.014	0.026	0.00	0.370	0.570	5.1	5.84	410.6	17250.0
11:05	15:00	Left Fork	0.009	0.013	0.00	0.363	0.500	3.8	4.50	172.2	10810.0
12:05	15:00	House well	0.009	0.010	0.00	0.725	0.800	0.9	3.12	<1.0	3.1
10/2/2018	**10/2/2018**	**Grab sample**									
7:04	11:20	Downstream farm	0.014	0.018	0.01	0.365	0.500	2.9	1.56	ND	ND
6:47	11:20	Left Fork	0.006	0.013	0.01	0.115	0.250	2.3	1.51	ND	ND
7:34	11:20	House well	0.008	0.012	0.00	1.080	1.180	0.7	2.08	ND	ND
10/11/2018	**10/11/2018**	**Grab sample**									
11:33	15:20	Spring	0.013	0.036	0.00	1.674	1.980	12.5	12.64	686.7	16160.0
12:40	15:20	Upstream farm	0.016	0.029	0.00	0.280	0.460	2.2	3.80	235.9	16310.0
11:18	15:20	Downstream farm	0.019	0.034	0.00	0.561	0.790	4.0	3.65	770.1	17250.0
11:00	15:20	Left Fork	0.013	0.028	0.00	0.772	1.040	6.4	4.02	488.4	13760.0
12:18	15:20	House well	0.008	0.008	0.00	0.722	0.820	0.2	5.39	<1.0	<1.0
10/11/2018	**10/11/2018**	**Storm sample**									
11:57	15:20	Ephemeral stream	0.075	0.166	0.00	2.223	2.910	59.5	6.79	ND	ND
11:45	15:20	Field 1	1.941	2.103	0.40	2.942	5.830	12.3	21.23	ND	ND
10/16/2018	**10/16/2018**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
7:19	11:40	Spring	0.008	0.031	0.00	1.342	1.790	19.1	4.94	410.6	12360.0
8:18	11:40	Upstream farm	0.011	0.023	0.00	0.183	0.390	3.5	1.94	195.6	7270.0
7:04	11:40	Downstream farm	0.013	0.019	0.00	0.273	0.470	5.1	1.60	198.9	11530.0
6:52	11:40	Left Fork	0.010	0.010	0.00	0.384	0.550	2.7	1.37	156.5	6690.0
7:47	11:40	Trench 1	0.002	0.002	0.00	0.156	0.240	0.4	8.02	12.1	2620.0
10/24/2018	**10/24/2018**	**Grab sample**									
7:19	11:30	Spring	0.009	0.027	0.01	1.670	1.880	14.3	2.78	29.4	2419.2
8:17	11:30	Upstream farm	0.008	0.015	0.01	0.223	0.300	2.3	0.91	40.4	2419.2
7:05	11:30	Downstream farm	0.011	0.015	0.01	0.434	0.550	2.8	0.96	57.6	2720.0
6:44	11:30	Left Fork	0.008	0.011	0.01	0.342	0.470	2.5	1.33	45.0	3130.0
7:33	11:30	House well	0.007	0.016	0.00	1.745	1.810	1.3	0.15	<1.0	214.3
11/1/2018	**11/1/2018**	**Grab sample**									
11:40	15:05	Spring	0.007	0.025	0.00	1.348	1.660	5.7	9.05	238.2	8330.0
12:40	15:05	Upstream farm	0.018	0.056	0.00	0.268	0.510	11.0	4.04	686.7	20140.0
11:12	15:05	Downstream farm	0.028	0.079	0.00	0.368	0.660	17.7	4.74	920.8	12220.0
11:53	15:05	Ephemeral stream	0.007	0.026	0.00	1.967	2.100	2.7	3.98	307.6	4620.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:00	15:05	Left Fork	0.028	0.082	0.00	0.435	0.770	16.7	5.06	866.4	19350.0
12:04	15:05	House well	0.008	0.008	0.01	0.744	0.790	1.6	4.97	6.3	49.6
12:15	15:05	Trench 1	0.002	0.050	0.00	0.465	0.930	4.0	5.29	488.4	43520.0
12:22	15:05	Trench 2	0.003	0.067	0.00	1.306	2.010	4.6	6.69	866.4	68670.0
11/1/2018	**11/1/2018**	**Storm sample**									
11:53	15:05	Ephemeral stream	0.022	0.094	0.01	2.207	2.790	49.0	6.08	ND	ND
11:30	15:05	Field 1	0.955	1.171	0.38	0.719	3.000	39.3	13.17	ND	ND
11/7/2018	**11/7/2018**	**Grab sample**									
8:00	12:30	Spring	0.010	0.011	0.01	1.354	1.460	5.5	0.61	47.1	2920.0
9:25	12:30	Upstream farm	0.011	0.015	0.02	0.177	0.250	4.3	1.21	41.6	>2419.2
7:42	12:30	Downstream farm	0.013	0.018	0.01	0.410	0.520	4.3	0.99	86.2	>2419.2
8:16	12:30	Ephemeral stream	0.009	0.009	0.01	0.862	1.510	2.5	1.61	35.0	1732.9
7:25	12:30	Left Fork	0.013	0.024	0.01	0.397	0.520	4.5	1.30	73.3	>2419.2
8:27	12:30	House well	0.008	0.008	0.00	0.863	0.940	2.8	0.36	<1.0	46.4
8:45	12:30	Trench 1	0.002	0.002	0.01	0.612	0.740	3.3	0.66	12.2	980.4
8:57	12:30	Trench 2	0.004	0.004	0.01	0.999	1.210	3.0	1.74	31.8	241920.0
11/20/2018	**11/20/2018**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
7:55	11:15	Spring	0.009	0.009	0.26	1.533	1.730	2.2	15.13	10.9	1119.9
8:34	11:15	Upstream farm	0.009	0.009	0.00	0.118	0.170	0.5	5.89	13.2	1299.7
7:41	11:15	Downstream farm	0.012	0.012	0.01	0.378	0.470	0.9	5.07	6.2	980.4
7:31	11:15	Left Fork	0.010	0.010	0.01	0.296	0.370	0.6	5.13	9.6	1986.3
8:12	11:15	House well	0.010	0.010	0.05	1.168	1.300	0.4	5.62	<1.0	10.9
12/5/2018	**12/5/2018**	**Grab sample**									
8:17	11:30	Spring	0.012	0.015	0.00	1.149	1.340	7.5	1.46	28.8	1413.6
8:51	11:30	Upstream farm	0.006	0.009	0.00	0.061	0.120	1.7	0.61	38.4	1119.9
8:01	11:30	Downstream farm	0.008	0.009	0.00	0.190	0.250	1.5	0.72	23.1	1413.9
7:50	11:30	Left Fork	0.006	0.009	0.00	0.171	0.270	1.1	0.83	25.9	1553.1
8:31	11:30	House well	0.006	0.012	0.00	0.821	1.250	1.1	0.40	<1.0	6.3
12/17/2018	**12/17/2018**	**Grab sample**									
11:45	14:45	Spring	0.007	0.035	0.00	0.956	1.300	22.3	10.13	34.5	1299.7
12:00	14:45	Upstream farm	0.005	0.018	0.00	0.203	0.310	1.7	2.93	28.8	1986.3
12:07	14:45	Downstream farm	0.008	0.018	0.00	0.374	0.500	2.1	2.40	36.4	1986.3
11:30	14:45	Ephemeral stream	0.006	0.010	0.00	1.167	1.350	0.8	6.28	32.7	>2419.2

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:20	14:45	Left Fork	0.010	0.021	0.00	0.443	0.580	1.5	2.81	55.7	2419.2
11:12	14:45	House well	0.007	0.007	0.00	0.738	0.880	0.5	18.42	<1.0	1.0
1/3/2019	**1/3/2019**	**Grab sample**									
11:45	14:30	Spring	0.007	0.013	<0.03	0.740	0.990	8.8	1.35	26.9	204.6
12:16	14:30	Upstream farm	0.006	0.006	0.01	0.182	0.240	2.3	0.46	47.9	816.4
11:34	14:30	Downstream farm	0.008	0.008	<0.03	0.323	0.400	2.1	0.47	50.4	980.4
11:56	14:30	Ephemeral stream	0.005	0.011	<0.03	1.091	1.220	1.5	0.24	10.9	1732.9
11:25	14:30	Left Fork	0.010	0.010	<0.03	0.358	0.450	2.3	0.58	32.7	1299.7
12:03	14:30	House well	0.007	0.007	<0.03	0.745	0.830	0.9	0.04	<1.0	<1.0
1/16/2019	**1/16/2019**	**Grab sample**									
11:45	15:30	Spring	0.009	0.014	<0.03	1.206	1.370	4.4	0.90	2.0	613.2
12:56	15:30	Upstream farm	0.005	0.010	0.01	0.147	0.200	1.1	0.39	155.3	727.0
11:32	15:30	Downstream farm	0.007	0.011	0.01	0.291	0.340	1.3	0.35	20.1	387.3
12:18	15:30	Ephemeral stream	0.009	0.010	0.02	0.991	1.080	2.5	0.34	3.0	>2419.2
11:16	15:30	Left Fork	0.009	0.010	0.01	0.327	0.400	1.1	0.50	26.2	517.2
12:25	15:30	House well	0.008	0.008	0.01	0.703	0.790	0.5	0.35	<1.0	<1.0
1/31/2019	**1/31/2019**	**Grab sample**									

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:32	14:30	Spring	0.009	0.009	<0.03	1.142	1.300	2.5	0.63	3.1	488.4
12:15	14:30	Upstream farm	0.006	0.006	<0.03	0.168	0.200	1.6	0.27	17.3	387.3
11:16	14:30	Downstream farm	0.008	0.008	0.01	0.320	0.390	1.1	0.36	10.9	179.3
11:45	14:30	Ephemeral stream	0.009	0.010	<0.03	1.015	1.140	1.9	0.28	6.3	2419.2
11:06	14:30	Left Fork	0.008	0.008	<0.03	0.316	0.390	0.5	0.43	10.9	325.5
12:01	14:30	House well	0.010	0.010	0.01	0.768	0.820	0.6	0.19	<1.0	<1.0
2/13/2019	**2/13/2019**	**Grab sample**									
11:30	15:15	Spring	0.008	0.027	<0.03	0.692	0.940	8.0	1.26	15.8	1119.9
13:00	15:15	Upstream farm	0.005	0.022	0.02	0.204	0.280	1.0	0.77	148.3	1203.3
10:51	15:15	Downstream farm	0.008	0.027	0.02	0.349	0.490	1.9	0.82	86.0	1553.1
11:43	15:15	Ephemeral stream	0.008	0.019	<0.03	1.131	1.250	2.4	0.33	24.3	1732.9
10:38	15:15	Left Fork	0.010	0.025	0.02	0.428	0.550	1.7	1.63	49.5	1553.1
12:00	15:15	House well	0.008	0.010	0.02	0.642	0.760	0.1	0.66	<1.0	8.4
12:17	15:15	Trench 1	0.001	0.007	0.01	0.595	0.720	0.4	0.70	13.2	9330.0
12:40	15:15	Trench 2	0.004	0.012	0.02	0.899	1.110	0.7	1.30	1.0	980.4
2/27/2019	**2/27/2019**	**Grab sample**									
11:25	14:40	Spring	0.007	0.014	<0.03	0.620	0.860	6.9	4.64	1.0	1732.9

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
12:23	14:40	Upstream farm	0.004	0.008	0.01	0.136	0.210	1.5	1.36	54.6	488.4
11:07	14:40	Downstream farm	0.006	0.010	0.02	0.273	0.370	1.5	0.89	62.0	410.6
11:48	14:40	Ephemeral stream	0.006	0.006	<0.03	0.967	1.120	1.3	1.87	18.5	1553.1
11:55	14:40	House well	0.006	0.006	<0.03	0.690	0.810	0.5	1.26	<1.0	<1.0
3/14/2019	**3/14/2019**	**Grab sample**									
11:54	15:25	Spring	0.007	0.023	<0.03	0.518	0.760	2.0	4.73	22.8	816.4
12:58	15:25	Upstream farm	0.005	0.032	0.02	0.124	0.220	2.5	1.70	135.4	1553.1
11:37	15:25	Downstream farm	0.006	0.036	0.01	0.180	0.320	4.5	1.84	325.5	>2419.2
12:10	15:25	Ephemeral stream	0.006	0.028	<0.03	0.967	1.200	1.8	22.00	52.9	1986.3
11:30	15:25	Left Fork	0.006	0.032	0.01	0.161	0.240	3.0	2.89	186.0	>2419.2
12:15	15:25	House well	0.008	0.012	<0.03	0.711	0.870	0.0	2.73	<1.0	<1.0
12:25	15:25	Trench 1	0.002	0.016	0.01	0.616	0.820	120.1	1.73	<1.0	435.2
12:43	15:25	Trench 2	0.002	0.025	0.01	0.839	1.200	0.2	2.99	<1.0	435.2
3/20/2019	**3/20/2019**	**Grab sample**									
8:01	11:30	Spring	0.007	0.027	0.01	0.735	1.050	18.1	1.05	5.2	298.7
8:42	11:30	Upstream farm	0.003	0.003	<0.03	0.098	0.160	2.1	0.45	344.8	1119.9

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
7:44	11:30	Downstream farm	0.004	0.004	<0.03	0.217	0.300	2.4	0.57	62.4	387.3
8:11	11:30	Ephemeral stream	0.006	0.006	<0.03	0.983	1.160	3.3	0.33	5.2	1119.9
7:34	11:30	Left Fork	0.002	0.002	<0.03	0.178	0.300	2.9	0.68	29.5	547.5
8:17	11:30	House well	0.008	0.008	<0.03	0.726	0.880	0.0	0.16	<1.0	2.0
3/28/2019	**3/28/2019**	**Grab sample**									
7:09	11:20	Spring	0.007	0.052	<0.03	0.703	1.040	35.1	3.39	1.0	365.4
7:55	11:20	Upstream farm	0.002	0.011	<0.03	0.069	0.130	2.0	2.22	123.6	866.4
6:51	11:20	Downstream farm	0.002	0.010	<0.03	0.136	0.210	2.5	1.01	93.3	666.7
7:21	11:20	Ephemeral stream	0.006	0.006	<0.03	0.966	1.130	1.6	7.37	7.4	>2419.2
6:35	11:20	Left Fork	0.001	0.007	<0.03	0.102	0.200	2.9	1.07	9.8	387.3
7:32	11:20	House well	0.006	0.009	<0.03	0.798	0.950	0.5	0.51	<1.0	<1.0
4/8/2019	**4/8/2019**	**Grab sample**									
12:00	15:00	Spring	0.006	0.011	<0.03	0.363	0.550	1.7	31.78	38.8	1046.2
12:40	15:00	Upstream farm	0.007	0.014	<0.03	0.060	0.130	3.6	4.39	193.5	1986.3
11:40	15:00	Downstream farm	0.004	0.022	<0.03	0.091	0.200	4.0	7.01	191.8	2419.2
12:10	15:00	Ephemeral stream	0.004	0.013	<0.03	0.792	0.920	1.7	18.32	37.3	1413.6

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
11:30	15:00	Left Fork	0.001	0.016	<0.03	0.064	0.200	5.1	10.61	178.9	>2419.2
12:25	15:00	House well	0.005	0.005	<0.03	0.678	0.770	0.9	23.13	<1.0	5.2
4/11/2019	**4/11/2019**	**Grab sample**									
11:20	14:10	Spring	0.007	0.012	0.01	0.639	0.800	1.8	1.01	16.1	613.1
11:47	14:10	Upstream farm	0.004	0.009	<0.03	0.048	0.110	2.9	0.47	146.7	1732.9
10:55	14:10	Downstream farm	0.007	0.019	<0.03	0.084	0.200	3.3	0.46	118.7	2419.2
11:28	14:10	Ephemeral stream	0.003	0.012	<0.03	0.823	1.010	5.6	0.34	19.9	>2419.2
10:45	14:10	Left Fork	0.004	0.010	<0.03	0.084	0.160	3.1	0.67	35.9	1203.2
11:33	14:10	House well	0.007	0.009	<0.03	0.671	0.800	0.2	1.58	<1.0	<1.0
4/18/2019	**4/18/2019**	**Grab sample**									
7:11	12:05	Spring	0.004	0.043	<0.03	0.399	0.700	12.7	2.01	866.4	16640.0
8:32	12:05	Upstream farm	0.018	0.104	<0.03	0.113	0.540	38.5	2.32	4130.0	23590.0
6:53	12:05	Downstream farm	0.006	0.046	<0.03	0.173	0.390	18.2	0.81	920.8	5630.0
7:24	12:05	Ephemeral stream	0.009	0.009	<0.03	0.920	1.080	2.8	0.35	31.7	>2419.2
6:35	12:05	Left Fork	0.006	0.020	<0.03	0.231	0.400	4.0	0.62	13960.0	>2419.2
8:01	12:05	Trench 1	0.001	0.062	<0.03	0.399	0.820	14.5	1.12	1046.2	241920
7:53	12:05	Trench 2	0.000	0.107	<0.03	0.120	0.910	20.9	0.14	6090.0	241920

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
4/25/2019	**4/25/2019**	**Grab sample**									
7:32	11:50	Spring	0.008	0.031	<0.03	0.641	1.080	8.7	3.19	1732.9	30760.0
8:47	11:50	Upstream farm	0.010	0.051	<0.03	0.109	0.360	18.8	1.73	2750.0	16640.0
7:11	11:50	Downstream farm	0.027	0.065	0.01	0.208	0.510	18.2	1.56	3270.0	34480.0
7:44	11:50	Ephemeral stream	0.009	0.010	<0.03	0.889	1.110	3.2	0.45	142.1	2490.0
6:49	11:50	Left Fork	0.016	0.043	<0.03	0.256	0.530	13.9	1.07	1986.3	22470.0
7:55	11:50	House well	0.009	0.009	0.01	0.670	0.840	0.3	0.14	1.0	6.3
8:05	11:50	Trench 2	0.002	0.031	0.02	0.155	0.470	4.2	1.47	204.6	48840.0
5/2/2019	**5/2/2019**	**Grab sample**									
12:59	15:35	Spring	0.013	0.027	0.05	0.465	0.720	6.0	1.94	325.5	3410.0
12:42	15:35	Upstream farm	0.009	0.047	0.04	0.103	0.270	11.3	1.77	727.0	9070.0
11:25	15:35	Downstream farm	0.010	0.056	0.04	0.145	0.750	14.9	1.66	613.1	9590.0
12:00	15:35	Ephemeral stream	0.007	0.024	0.03	0.957	1.120	2.7	0.55	159.7	1732.9
11:00	15:35	Left Fork	0.011	0.073	0.04	0.183	2.430	25.0	1.77	547.5	8160.0
12:05	15:35	House well	0.007	0.018	0.06	0.625	0.625	1.0	0.20	1.0	27.5
12:17	15:35	Trench 1	0.002	0.016	0.02	0.420	0.700	1.4	0.73	29.5	4960.0
12:23	15:35	Trench 2	0.003	0.034	0.05	0.150	0.660	3.2	2.03	77.1	19350.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
5/9/2019	**5/9/2019**	**Grab sample**									
6:45	11:25	Spring	0.010	0.017	0.01	0.459	0.660	12.1	1.64	93.3	2890.0
7:51	11:25	Upstream farm	0.006	0.020	0.01	0.158	0.260	5.7	0.91	435.1	2780.0
6:27	11:25	Downstream farm	0.009	0.024	0.02	0.262	0.390	6.9	1.17	275.5	5560.0
6:59	11:25	Ephemeral stream	0.006	0.014	0.01	0.944	1.100	1.2	0.73	167.0	2850.0
6:12	11:25	Left Fork	0.010	0.031	0.02	0.232	0.420	10.0	1.37	261.3	10140.0
7:11	11:25	House well	0.010	0.010	0.02	0.681	0.710	0.2	0.14	<1.0	13.4
7:21	11:25	Trench 1	0.001	0.003	0.01	0.489	0.600	0.9	0.45	115.3	7330.0
7:32	11:25	Trench 2	0.002	0.028	0.02	0.089	0.560	1.9	2.37	114.5	72700.0
5/16/2019	**5/16/2019**	**Grab sample**									
7:05	11:20	Spring	0.008	0.023	0.01	0.394	0.540	10.5	1.73	12.2	686.7
7:47	11:20	Upstream farm	0.005	0.014	0.01	0.136	0.210	3.9	0.73	104.3	2419.2
6:49	11:20	Downstream farm	0.007	0.012	0.05	0.303	0.380	2.3	0.73	81.3	2419.2
7:19	11:20	Ephemeral stream	0.008	0.008	0.04	0.996	1.120	1.1	0.53	23.3	2590.0
6:37	11:20	Left Fork	0.006	0.013	0.03	0.302	0.430	1.8	0.93	118.7	>2419.2
5/22/2019	**5/22/2019**	**Grab sample**									
6:49	11:50	Spring	0.010	0.028	0.01	0.572	0.760	6.9	3.64	547.5	5200.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
8:29	11:50	Upstream farm	0.007	0.068	0.01	0.166	0.380	11.9	2.49	980.4	20350.0
6:24	11:50	Downstream farm	0.010	0.045	0.01	0.254	0.450	10.7	2.29	1299.7	72700.0
7:05	11:50	Ephemeral stream	0.010	0.035	0.01	1.328	1.520	2.5	1.35	517.2	29090.0
6:01	11:50	Left Fork	0.011	0.059	0.02	0.238	0.480	17.3	3.18	1413.6	19350.0
7:16	11:50	House well	0.014	0.014	0.01	0.780	0.970	1.2	0.21	<1.0	5.2
7:29	11:50	Trench 2	0.005	0.006	0.01	0.127	0.200	1.0	1.18	30.9	23820.0
5/30/2019	**5/30/2019**	**Grab sample**									
6:33	11:40	Spring	0.010	0.045	0.02	0.409	0.700	8.9	2.17	1299.7	21870.0
7:46	11:40	Upstream farm	0.015	0.123	0.02	0.115	0.490	68.2	2.86	1553.1	30760.0
6:11	11:40	Downstream farm	0.031	0.179	0.02	0.138	0.700	90.7	3.67	3790.0	141360.0
7:01	11:40	Ephemeral stream	0.013	0.052	0.01	1.381	1.570	10.9	2.05	3800.0	77010.0
5:55	11:40	Left Fork	0.030	0.167	0.02	0.150	0.650	81.7	3.78	>2419.2	51720.0
7:15	11:40	Trench 1	0.004	0.056	0.01	0.366	0.860	5.8	2.49	1553.1	241920.0
7:24	11:40	Trench 2	0.005	0.079	0.02	0.183	1.040	11.4	4.55	17930.0	>241920
6/6/2019	**6/6/2019**	**Grab sample**									
6:51	11:10	Spring	0.014	0.025	0.02	0.426	0.620	8.4	1.07	41.3	1553.1

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
7:41	11:10	Upstream farm	0.007	0.015	0.01	0.115	0.190	2.9	0.62	307.8	2620.0
6:33	11:10	Downstream farm	0.009	0.017	0.02	0.279	0.370	3.3	0.68	204.6	3770.0
7:04	11:10	Ephemeral stream	0.011	0.019	0.02	1.138	1.260	1.2	0.41	2.0	3790.0
6:12	11:10	Left Fork	0.009	0.016	0.02	0.277	0.380	2.7	0.64	79.4	4350.0
7:15	11:10	House well	0.008	0.019	0.01	0.673	0.750	0.9	0.18	<1.0	5.2
6/12/2019	**6/12/2019**	**Grab sample**									
11:55	15:15	Spring	0.011	0.019	0.01	0.328	0.490	8.0	1.43	28.8	1299.7
12:56	15:15	Upstream farm	0.008	0.015	0.01	0.140	0.190	2.5	0.52	59.8	5980.0
11:41	15:15	Downstream farm	0.010	0.014	<0.03	0.356	0.420	2.6	0.51	86.2	5120.0
12:06	15:15	Ephemeral stream	0.012	0.013	0.01	1.244	1.310	1.0	0.31	101.7	3320.0
11:23	15:15	Left Fork	0.009	0.011	0.01	0.277	0.350	1.4	0.64	35.0	4350.0
12:24	15:15	House well	0.009	0.009	0.01	0.713	0.760	0.2	0.44	<1.0	3.1
6/20/2019	**6/20/2019**	**Grab sample**									
6:39	10:50	Spring	0.011	0.020	0.01	0.536	0.770	5.9	0.91	9.8	727.0
7:25	10:50	Upstream farm	0.007	0.008	0.02	0.123	0.240	1.7	0.50	49.5	2419.2
6:22	10:50	Downstream farm	0.008	0.008	0.02	0.296	0.450	1.3	0.51	75.4	3690.0

Time sample collected	Time received @ laboratory	Sample location	Dissolved P	Total P	Ammonia-N	Nitrate-N	Total N	Total suspended solids	Dissolved Organic Carbon	E. coli	Total coliform
6:55	10:50	Ephemeral stream	0.011	0.015	0.01	1.073	1.290	11.5	0.23	1986.3	13540.0
6:03	10:50	Left Fork	0.005	0.005	0.02	0.228	0.400	1.3	0.62	63.8	4800.0
6/25/2019	**6/25/2019**	**Grab sample**									
7:54	12:30	Spring	0.012	0.017	0.01	0.335	0.550	5.1	1.46	101.4	5120.0
9:19	12:30	Upstream farm	0.008	0.023	0.01	0.144	0.230	4.3	0.73	127.4	5650.0
7:33	12:30	Downstream farm	0.012	0.032	<0.03	0.255	0.400	4.9	0.82	275.5	8130.0
8:19	12:30	Ephemeral stream	0.009	0.014	<0.03	1.088	1.260	1.7	0.24	114.5	5200.0
7:14	12:30	Left Fork	0.014	0.031	0.01	0.325	0.470	5.7	1.02	235.9	9850.0
8:29	12:30	House well	0.010	0.012	0.01	0.652	0.800	0.4	0.07	<1.0	54.5
8:55	12:30	Trench 1	0.004	0.004	<0.03	0.325	0.430	0.4	0.38	24.6	3130.0

¶ Values proceeded by '<' were reported by the analytical laboratory as zero and the minimum detection limit is given.
§ ND is No Data, due to coliform not measured on water samples collected automatically by non-sterilized ISCO sampler.

Water pH, Alkalinity, Chloride, Electrical Conductivity, and Total Dissolved Solids for Several Big Creek Sites

The pH, alkalinity, chloride concentration, electrical conductivity, and total dissolved solids were determined on water samples collected at the upstream and downstream sites, spring, house well, and trenches, to build a database that will enable to eventually source track the major water source pathways at these sites. These values are given below in Table 2.

Table 2. The pH, chloride concentration, and electrical conducting of water samples collected at upstream, downstream, spring, ephemeral stream, house well and trench sites.

Date	pH	Chloride	Electrical conductivity
		mg/L	µS/cm
Upstream			
1/8/2015	7.3	1.80	90
1/14/2015		2.09	105
1/21/2015	7.6	1.85	121
1/29/2015		2.09	140
2/3/2015	7.7	2.40	129
2/10/2015		2.51	132
2/26/2015	7.6	1.98	107
3/3/2015		2.08	112
3/11/2015	7.8	1.88	85
3/19/2015		1.55	98
3/25/2015	8.0	1.77	110
3/26/2015		1.33	115
4/2/2015	8.0	1.57	110
4/9/2015		1.73	116
4/15/2015	7.7	1.38	91
4/23/2015		1.65	95
4/29/2015	8.1	1.56	85
5/7/2015		1.40	123

Date	pH	Chloride	Electrical conductivity
5/8/2015		1.80	157
5/11/2015	7.5	1.63	131
5/14/2015		1.55	143
5/18/2015		1.20	107
5/26/2015	7.7	1.10	90
6/4/2015		1.08	78
6/8/2015	8.2	2.03	149
6/17/2015		1.51	128
6/22/2015	8.2	1.36	114
6/29/2015		1.74	55
7/9/2015	7.7	1.53	90
7/16/2015		1.33	161
7/23/2015	7.9	1.63	180
7/30/2015		1.75	224
8/6/2015	7.7	1.84	218
8/13/2015		1.91	210
8/20/2015	7.3	2.15	219
8/27/2015		2.11	240
9/2/2015	7.1	2.50	262
9/16/2015	7.6	3.05	272
9/24/2015		2.74	271
11/12/2015	8.0	2.13	228
11/18/2015		1.36	84
12/2/2015		1.52	83
12/14/2015	7.5	1.21	63
12/22/2015	8.3	1.78	107
1/5/2016	7.5	1.34	102

Date	pH	Chloride	Electrical conductivity
1/25/2016	8.2	1.50	115
2/10/2016	8.6	1.69	141
2/24/2016	7.2	1.20	102
3/10/2016	7.6	1.268	84.5
3/16/2016	6.7	1.252	88.3
3/24/2016	7.7	1.825	103.3
3/31/2016	7.3	0.933	65.8
4/4/2016	7.4	1.163	86.9
4/20/2016	8.0	1.405	125.7
4/29/2016	8.1	1.373	134.8
5/3/2016	7.7	1.150	83.7
5/10/2016	7.6	0.914	67.6
518/2016	8.0	1.228	102.8
5/26/2016	7.8	1.045	78.4
6/2/2016	7.9	1.298	105.4
6/7/2016	8.1	2.722	128.3
6/15/2016	8.3	1.471	150.3
6/22/2016	8.1	1.695	182.3
6/29/2016	7.4	2.176	203.0
7/6/2016	7.5	1.821	212.0
8/16/2016	7.7	1.092	88.1
8/24/2016	8.3	1.513	121.7
8/30/2016	8.2	1.088	143.3
9/7/2016	7.9	1.601	176.0
9/15/2016	8.0	1.287	206.0
9/28/2016	8.1	1.804	217.0
10/5/2016	7.9	1.831	230.0

Date	pH	Chloride	Electrical conductivity
10/13/2016	7.8	2.540	225.0
10/20/2016	7.9	2.017	235.0
10/27/2016	8.0	2.139	299.0
11/3/2016	7.6	2.330	260.0
11/10/2016	8.0	2.446	233.0
11/17/2016	8.0	2.455	272.0
11/21/2016	8.0	2.314	101.0
11/29/2016	8.1	2.087	115.0
12/14/2016	8.3	2.140	129.0
1/5/2017	8.8	2.264	142.0
1/19/2017	7.9	2.089	125.0
2/2/2017	8.4	2.044	112.0
2/15/2017	7.9	2.022	128.0
3/1/2017	8.4	1.696	115.0
3/16/2017	7.8	1.508	88.0
3/27/2017	7.6	0.997	50.0
4/6/2017	7.5	1.436	72.0
4/13/2017	7.8	1.392	76.0
4/17/2017	7.9	1.372	95.8
4/27/2017	7.7	1.003	68.0
5/18/2017	8.3	1.518	110.0
5/31/2017	8.0	1.296	122.0
6/5/2017	7.9	0.781	75.0
6/12/2017	8.0	1.231	120.0
6/19/2017	7.8	1.379	146.0
6/29/2017	7.8	1.554	170.0
7/5/2017	7.6	1.235	109.0

Date	pH	Chloride	Electrical conductivity
7/11/2017	8.2	1.543	113.0
7/19/2017	8.4	1.415	174.0
7/26/2017	7.8	1.664	193.0
8/3/2017	7.9	1.690	206.0
8/9/2017	8.0	1.930	206.0
8/16/2017	7.4	1.199	163.0
8/24/2017	8.1	1.381	133.0
8/31/2017	8.2	1.461	161.0
9/6/2017	8.0	1.697	184.0
9/13/2017	7.9	2.009	194.0
10/23/2017	7.9	2.082	253.0
12/13/2017	8.0	2.126	168.0
1/4/2018	8.1	1.771	153.0
1/18/2018	8.3	2.198	143.0
1/30/2018	7.8	2.148	111.0
2/14/2018	8.5	4.213	129.0
2/22/2018	7.5	1.430	66.0
3/1/2018	8.1	1.378	63.0
3/7/2018	8.1	1.535	89.0
3/14/2018	8.2	1.692	103.0
3/29/2018	8.2	0.932	100.0
4/5/2018	8.2	1.354	102.0
4/12/2018	8.0	1.546	107.0
4/19/2018	8.1	1.338	88.0
4/26/2018	8.0	1.113	93.0
5/3/2018	7.7	1.095	95.0
5/17/2018	7.9	1.444	156.0

Date	pH	Chloride	Electrical conductivity
5/24/2018	8.3	1.600	162.0
5/31/2018	8.3	1.373	139.0
6/7/2018	8.0	1.912	112.0
6/13/2018	8.4	1.482	179.0
6/28/2018	8.4	1.625	222.0
8/1/2018	7.7	2.841	256.0
8/16/2018	8.0	1.315	180.0
8/23/2018	8.3	1.591	159.0
8/30/2018	7.8	1.933	205.0
9/25/2018	7.8	1.602	216.0
10/11/2018	7.5	1.737	203.0
10/16/2018	7.6	1.752	122.0
10/24/2018	7.7	1.972	166.0
11/1/2018	7.4	1.227	81.0
11/7/2018	7.8	1.600	107.0
11/20/2018	7.8	1.823	135.0
12/5/2018	7.7	1.792	113.0
12/17/2018	7.6	1.617	96.0
1/3/2019	7.8	1.418	86.0
1/16/2019	7.9	1.472	94.0
1/31/2019	7.8	1.564	91.0
2/13/2019	7.7	1.181	74.0
2/27/2019	7.6	1.426	38.0
3/14/2019	7.6	1.531	67.0
3/20/2019	7.9	1.484	92.0
3/28/2019	7.7	1.365	82.0
4/8/2019	8.1	1.417	80.0

Date	pH	Chloride	Electrical conductivity
4/11/2019	8.5	1.415	91.0
4/18/2019	7.6	1.174	84.0
4/25/2019	7.8	1.116	88.0
5/2/2019	7.8	0.954	67.0
5/9/2019	7.6	1.341	82.0
5/16/2019	7.6	1.180	76.0
5/22/2019	7.6	1.232	84.0
5/30/2019	7.4	0.799	60.0
6/6/2019	7.6	1.231	115.0
6/12/2019	8.0	1.212	117.0
6/20/2019	7.6	1.345	139.0
6/25/2019	7.6	0.932	82.0
Downstream			
1/8/2015	7.6	2.02	144
1/14/2015		2.76	166
1/21/2015	7.6	2.44	191
1/29/2015		2.51	205
2/3/2015	7.7	2.82	196
2/10/2015		3.01	204
2/26/2015	7.8	2.27	162
3/3/2015		2.39	170
3/11/2015	7.8	2.02	128
3/19/2015		1.75	148
3/25/2015	7.8	2.07	158
3/26/2015		1.46	83
4/2/2015	8.1	1.95	163

Date	pH	Chloride	Electrical conductivity
4/9/2015		2.08	168
4/15/2015	7.8	1.54	130
4/23/2015		1.81	142
4/29/2015	8.0	2.15	150
5/7/2015		1.84	185
5/8/2015		2.50	225
5/11/2015	7.5	1.73	149
5/14/2015		1.06	103
5/18/2015		1.55	150
5/26/2015	7.7	1.25	137
6/1/2015		1.20	125
6/8/2015	8.0	1.44	163
6/17/2015		2.14	216
6/22/2015	7.9	1.76	204
7/7/2015		1.55	177
7/9/2015	7.7	1.63	116
7/16/2015		1.50	124
7/23/2015	7.8	1.84	223
7/30/2015		2.18	248
8/6/2015	7.6	2.31	286
8/13/2015		2.78	283
8/20/2015	7.2	2.83	287
8/27/2015		3.01	300
9/2/2015	7.5	3.13	322
9/10/2015		3.47	309
9/16/2015	7.4	3.87	310
9/24/201		3.46	308

Date	pH	Chloride	Electrical conductivity
9/30/2015	7.6	3.98	322
10/8/2015		3.42	344
10/14/2015	7.8	3.72	362
10/22/2015		3.45	362
10/28/2015	7.8	3.40	351
11/4/2015		4.05	358
11/12/2015	7.9	2.80	281
11/18/2015		1.55	120
12/2/2015		1.86	127
12/14/2015	7.7	1.26	93
12/22/2015	7.7	1.99	157
1/5/2016	7.5	2.17	158
1/25/2016	8.0	2.00	191
2/10/2016	8.0	2.36	214
2/22/2016	7.5	1.48	156
3/10/2016	7.3	1.481	126.1
3/16/2016	7.1	1.500	137.6
3/24/2016	7.3	1.827	156.8
3/31/2016	7.3	1.043	95.9
4/4/2016	7.4	1.563	138.6
4/20/2016	7.3	1.903	187.0
4/29/2016	7.7	2.052	199.1
5/3/2016	7.8	1.197	130.5
5/10/2016	7.6	0.856	93.5
518/2016	7.8	1.482	154.5
5/26/2016	7.7	0.941	114.1
6/2/2016	8.0	1.447	154.8

Date	pH	Chloride	Electrical conductivity
6/7/2016	7.8	1.698	176.8
6/15/2016	7.9	2.525	205.0
6/22/2016	7.8	2.406	230.0
6/29/2016	7.5	2.971	259.0
7/6/2016	7.4	2.960	262.0
7/13/2016	7.4	2.549	289.0
7/20/2016	7.7	2.726	305.0
7/27/2016	7.5	2.599	286.0
8/3/2016	7.9	1.845	258.0
8/16/2016	7.7	1.255	128.9
8/24/2016	7.8	1.368	174.8
8/24/2016	7.8	1.152	122.8
8/30/2016	7.8	1.435	193.5
9/7/2016	7.9	2.143	240.0
9/15/2016	7.9	1.918	265.0
9/28/2016	7.8	2.272	281.0
10/5/2016	7.8	2.708	288.0
10/13/2016	7.6	2.799	264.0
10/20/2016	7.2	2.791	314.0
10/27/2016	7.6	2.805	304.0
11/3/2016	7.2	3.074	313.0
11/10/2016	7.8	3.330	311.0
11/17/2016	7.8	3.203	366.0
11/21/2016	7.8	3.272	139.0
11/29/2016	7.8	2.481	180.0
12/14/2016	7.8	2.597	206.0
1/5/2017	8.1	5.692	220.0

Date	pH	Chloride	Electrical conductivity
1/19/2017	7.6	2.390	200.0
2/2/2017	7.9	2.414	171.0
2/15/2017	8.2	2.199	119.0
3/1/2017	7.8	2.926	162.0
3/16/2017	7.5	1.792	128.0
3/27/2017	7.5	1.113	69.0
4/6/2017	7.5	1.649	106.0
4/13/2017	7.7	1.665	114.0
4/17/2017	7.8	1.849	162.9
4/27/2017	7.6	1.160	102.0
5/18/2017	7.7	2.009	172.0
5/31/2017	8.0	1.714	171.0
6/5/2017	7.7	1.810	178.0
6/12/2017	7.9	1.942	225.0
6/19/2017	7.9	2.643	224.0
6/29/2017	7.6	2.652	231.0
7/5/2017	7.7	2.841	246.0
7/11/2017	7.8	1.716	201.0
7/19/2017	7.8	1.350	161.0
7/26/2017	7.3	1.690	213.0
8/3/2017	7.9	1.810	178.0
8/9/2017	7.9	1.942	225.0
8/16/2017	7.6	2.643	224.0
8/24/2017	7.9	2.652	231.0
8/31/2017	8.0	2.841	246.0
9/6/2017	7.7	2.132	214.0
9/13/2017	7.7	2.517	251.0

Date	pH	Chloride	Electrical conductivity
9/21/2017	7.5	2.788	282.0
9/28/2017	7.8	2.882	281.0
10/5/2017	7.5	3.041	292.0
10/12/2017	7.5	3.305	272.0
10/18/2017	7.8	3.391	307.0
10/23/2017	7.6	3.722	292.0
11/1/2017	7.5	3.016	262.0
11/9/2017	7.6	3.640	268.0
11/15/2017	7.8	3.114	217.0
11/30/2017	7.6	3.163	176.0
12/13/2017	7.8	3.041	280.0
12/18/2017	7.9	3.288	258.0
1/4/2018	8.3	2.288	210.0
1/18/2018	8.1	2.516	224.0
1/30/2018	8.0	2.330	160.0
2/14/2018	7.9	2.598	178.0
2/22/2018	7.4	1.559	96.0
3/1/2018	7.8	1.548	99.0
3/7/2018	7.7	1.864	136.0
3/14/2018	8.0	2.176	164.0
3/29/2018	8.1	1.392	112.0
4/5/2018	7.7	1.655	149.0
4/12/2018	7.6	2.000	166.0
4/19/2018	7.6	1.619	132.0
4/26/2018	7.9	1.246	131.0
5/3/2018	7.7	1.586	148.0
5/17/2018	7.6	1.981	225.0

Date	pH	Chloride	Electrical conductivity
5/24/2018	8.0	2.319	226.0
5/31/2018	8.0	1.795	189.0
6/7/2018	7.9	1.362	207.0
6/13/2018	7.9	2.285	260.0
6/28/2018	8.0	2.615	284.0
7/5/2018	7.8	2.944	283.0
7/12/2018	7.4	2.948	234.0
7/18/2018	7.4	3.050	285.0
7/25/2018	7.7	3.085	301.0
8/1/2018	7.6	3.467	316.0
8/9/2018	7.7	2.812	303.0
8/16/2018	7.6	2.939	282.0
8/23/2018	7.9	1.991	224.0
8/30/2018	7.7	2.560	263.0
9/6/2018	7.5	2.561	276.0
9/11/2018	7.6	2.677	271.0
9/25/2018	7.7	2.256	297.0
10/2/2018	7.5	2.504	294.0
10/11/2018	7.5	2.197	272.0
10/16/2018	7.6	1.983	191.0
10/24/2018	7.6	2.342	203.0
11/1/2018	7.4	1.340	113.0
11/7/2018	7.5	1.884	183.0
11/20/2018	7.6	2.402	204.0
12/5/2018	7.6	2.155	177.0
12/17/2018	7.6	1.805	148.0
1/3/2019	7.7	1.693	134.0

Date	pH	Chloride	Electrical conductivity
1/16/2019	8.0	1.797	196.0
1/31/2019	7.7	1.988	151.0
2/13/2019	7.7	1.473	117.0
2/27/2019	7.5	1.803	124.0
3/14/2019	7.5	1.665	105.0
3/20/2019	7.6	1.835	140.0
3/28/2019	7.5	1.700	125.0
4/8/2019	8.0	1.633	124.0
4/11/2019	8.0	1.684	140.0
4/18/2019	7.5	1.456	130.0
4/25/2019	7.5	1.454	143.0
5/2/2019	7.8	1.117	90.0
5/9/2019	7.4	1.557	128.0
5/16/2019	7.4	1.698	157.0
5/22/2019	7.4	1.380	134.0
5/30/2019	7.5	0.843	109.0
6/6/2019	7.4	1.679	175.0
6/12/2019	7.8	2.325	170.0
6/20/2019	7.5	2.035	198.0
6/25/2019	7.4	1.143	120.0
Left Fork			
5/4/2015	2.433	231.0	2.433
5/14/2015	2.037	212.0	2.037
5/18/2015	1.960	201.0	1.960
5/26/2015	1.840	196.3	1.840
6/4/2015	2.433	231.0	2.433
6/8/2015	2.785	264.0	2.785

Date	pH	Chloride	Electrical conductivity
6/17/2015	2.576	252.0	2.576
6/22/2015	1.982	220.0	1.982
6/29/2015	2.241	250.0	2.241
7/9/2015	1.984	193.7	1.984
7/16/2015	2.548	281.0	2.548
7/23/2015	3.037	307.0	3.037
8/6/2015	3.721	272.0	3.721
8/20/2015	3.897	279.0	3.897
8/27/2015	3.546	281.0	3.546
9/2/2015	3.732	285.0	3.732
9/10/2015	4.121	273.0	4.121
9/16/2015	5.830	289.0	5.830
9/24/2015	4.141	286.0	4.141
9/30/2015	3.826	287.0	3.826
10/8/2015	3.865	295.0	3.865
10/14/2015	4.622	318.0	4.622
10/22/2015	4.370	292.0	4.370
10/28/2015	4.451	296.0	4.451
11/4/2015	4.922	296.0	4.922
11/12/2015	3.389	326.0	3.389
11/18/2015	1.920	172.5	1.920
12/2/2015	2.443	171.4	2.443
12/14/2015	1.680	129.3	1.680
12/22/2015	2.712	211.0	2.712
1/5/2016	7.6	2.552	209.0
1/25/2016	8.3	2.713	235.0
2/10/2016	8.3	3.045	246.0

Date	pH	Chloride	Electrical conductivity
2/24/2016	7.5	2.045	188.3
3/10/2016	8.0	1.952	179.7
3/16/2016	7.5	2.086	194.5
3/24/2016	7.6	2.833	233.0
3/31/2016	7.5	1.479	136.3
4/4/2016	7.6	1.837	184.6
4/20/2016	7.7	2.701	235.0
5/2/2016	8.0	1.606	187.4
5/10/2016	7.8	1.157	137.4
5/18/2016	8.0	2.000	211.0
5/26/2016	7.7	1.526	166.0
6/2/2016	8.0	2.208	219.0
6/7/2016	8.0	2.206	239.0
6/15/2016	7.9	2.022	247.0
6/22/2016	8.0	3.166	260.0
6/29/2016	7.8	3.885	264.0
7/6/2016	7.6	3.429	268.0
7/13/2016	7.8	3.219	451.0
7/20/2016	7.8	3.104	287.0
7/27/2016	7.7	3.369	274.0
8/3/2016	7.8	2.828	308.0
8/16/2016	7.9	1.509	196.5
8/24/2016	8.0	1.636	239.0
8/30/2016	7.9	1.869	193.5
9/7/2016	8.0	2.604	288.0
9/15/2016	7.9	2.341	280.0
9/28/2016	8.0	2.546	293.0

Date	pH	Chloride	Electrical conductivity
10/5/2016	7.9	3.036	287.0
10/13/2016	7.7	3.351	224.0
10/20/2016	7.3	3.877	340.0
10/27/2016	7.5	3.767	326.0
11/3/2016	7.1	3.866	326.0
11/10/2016	7.9	4.183	323.0
11/17/2016	7.9	4.040	371.0
11/21/2016	7.8	4.092	362.0
11/29/2016	7.8	2.801	325.0
12/14/2016	7.8	3.117	242.0
1/5/2017	8.4	3.803	247.0
1/19/2017	7.7	3.462	225.0
2/2/2017	8.4	3.059	205.0
2/15/2017	8.1	3.385	200.0
3/1/2017	7.8	2.081	218.0
3/16/2017	7.8	2.540	176.0
3/27/2017	7.6	1.488	95.0
4/6/2017	7.7	2.234	153.0
4/13/2017	7.8	2.559	186.0
4/17/2017	7.8	2.487	192.0
4/27/2017	7.7	1.778	127.0
5/1/2017	7.8	2.001	152.0
5/11/2017	7.9	3.070	212.0
5/18/2017	7.8	2.536	210.0
5/25/2017	7.9	1.984	193.0
5/31/2017	8.1	2.393	206.0
6/5/2017	7.8	0.972	147.0

Date	pH	Chloride	Electrical conductivity
6/12/2017	8.1	2.297	222.0
6/19/2017	8.0	2.748	260.0
6/29/2017	7.7	3.141	269.0
7/5/2017	7.8	1.815	215.0
7/11/2017	8.0	2.061	214.0
7/19/2017	8.0	2.631	251.0
7/26/2017	7.6	3.431	253.0
8/3/2017	8.0	3.504	261.0
8/9/2017	7.9	3.570	263.0
8/16/2017	7.5	2.775	301.0
8/24/2017	8.0	1.330	169.0
8/31/2017	8.0	1.822	224.0
9/6/2017	8.0	2.363	239.0
9/13/2017	7.9	2.766	254.0
9/21/2017	7.5	3.167	276.0
9/28/2017	7.8	3.571	275.0
10/5/2017	7.6	3.732	259.0
10/12/2017	7.5	4.034	247.0
10/18/2017	7.6	4.119	276.0
10/23/2017	7.7	3.141	251.0
11/1/2017	7.8	3.238	278.0
11/9/2017	7.6	3.696	280.0
11/15/2017	7.9	3.658	261.0
11/15/2017	7.8	3.311	287.0
11/30/2017	7.9	3.615	261.0
12/13/2017	7.7	3.581	256.0
12/18/2017	8.0	3.983	230.0

Date	pH	Chloride	Electrical conductivity
1/4/2018	8.6	2.735	217.0
1/18/2018	8.0	3.029	203.0
1/30/2018	8.3	2.829	201.0
2/14/2018	7.9	5.810	192.0
2/22/2018	7.4	2.251	95.0
3/1/2018	7.9	2.202	137.0
3/7/2018	7.7	2.652	177.0
3/14/2018	8.2	2.841	192.0
3/29/2018	8.0	1.121	181.0
4/5/2018	7.6	2.244	179.0
4/12/2018	7.9	2.731	205.0
4/19/2018	7.9	2.363	187.0
4/26/2018	8.3	1.907	146.0
5/3/2018	7.8	1.843	178.0
5/17/2018	7.9	2.745	267.0
5/24/2018	8.0	3.191	265.0
5/31/2018	8.0	2.029	211.0
6/7/2018	8.0	2.511	249.0
6/13/2018	7.8	2.839	273.0
6/28/2018	7.9	3.451	266.0
7/5/2018	7.9	3.406	273.0
7/12/2018	7.5	3.786	172.0
7/18/2018	7.5	3.954	246.0
7/25/2018	7.7	4.067	255.0
8/1/2018	7.8	3.824	288.0
8/9/2018	7.7	3.181	278.0
8/16/2018	8.1	3.710	264.0

Date	pH	Chloride	Electrical conductivity
8/23/2018	8.0	2.323	245.0
8/30/2018	7.7	2.985	244.0
9/6/2018	7.8	2.704	200.0
9/11/2018	7.9	2.524	269.0
9/25/2018	8.0	2.930	315.0
10/2/2018	7.7	2.658	279.0
10/11/2018	7.6	3.263	327.0
10/16/2018	7.9	2.681	322.0
10/24/2018	7.9	2.674	249.0
11/1/2018	7.5	1.649	149.0
11/7/2018	7.7	2.478	149.0
11/20/2018	8.0	3.113	233.0
12/5/2018	7.9	3.115	236.0
12/17/2018	7.9	2.524	197.0
1/3/2019	7.9	2.367	183.0
1/16/2019	7.9	2.651	146.0
1/31/2019	8.1	2.729	193.0
2/13/2019	7.7	2.083	164.0
3/14/2019	7.9	2.135	161.0
3/20/2019	7.8	2.562	126.0
3/28/2019	7.6	2.542	199.0
4/8/2019	8.4	2.270	181.0
4/11/2019	8.2	1.674	199.0
4/18/2019	7.7	2.197	196.0
4/25/2019	7.6	2.533	206.0
5/2/2019	7.8	1.359	127.0
5/9/2019	7.6	1.924	158.0

Date	pH	Chloride	Electrical conductivity
5/16/2019	7.7	2.643	205.0
5/22/2019	7.7	1.817	190.0
5/30/2019	7.6	1.058	122.0
6/6/2019	7.8	2.333	226.0
6/12/2019	8.1	2.149	219.0
6/20/2019	7.7	2.838	229.0
6/25/2019	7.6	1.586	170.0
Ephemeral Stream			
1/5/2016		2.908	368.0
1/25/2016		3.454	392.0
2/24/2016		2.427	264.0
3/10/2016		2.530	288.0
3/16/2016		2.427	356.0
3/24/2016		3.467	399.0
3/31/2016		3.366	153.2
4/4/2016		2.544	330.0
4/20/2016		2.758	380.0
5/2/2016		2.068	329.0
5/2/2016		2.571	241.0
5/10/2016		1.617	143.3
5/18/2016		2.726	360.0
5/26/2016		2.031	194.5
6/2/2016		2.733	359.0
6/7/2016		2.930	344.0
8/16/2016		3.309	357.0
10/13/2016		3.546	393.0

Date	pH	Chloride	Electrical conductivity
2/15/2017	7.7	3.366	270.0
3/1/2017	7.8	4.328	396.0
3/16/2017	7.5	3.415	354.0
3/27/2017	7.4	4.373	180.0
3/30/2017	7.8	2.705	224.0
4/6/2017	7.3	3.154	223.0
4/13/2017	7.7	3.585	377.0
4/17/2017	7.5	3.997	394.0
4/23/2017	7.5	2.221	321.0
4/27/2017	7.5	1.414	109.0
5/18/2017	7.6	3.247	346.0
5/31/2017	8.0	3.161	380.0
6/5/2017	7.3	1.834	230.0
6/12/2017	8.1	2.961	363.0
10/23/2017	7.7	2.149	152.0
2/22/2018	7.1	2.460	236.0
3/1/2018	8.2	2.945	269.0
3/7/2018	7.7	3.517	370.0
3/29/2018	7.5	2.077	369.0
4/5/2018	7.5	2.700	361.0
4/12/2018	7.6	3.235	400.0
4/16/2018	7.8	2.779	261.0
4/19/2018	7.6	2.831	337.0
4/23/2018	8.1	3.285	334.0
4/26/2018	7.5	2.810	381.0
5/3/2018	7.4	3.157	412.0
10/11/2018	7.5	2.620	254.0

Date	pH	Chloride	Electrical conductivity
11/1/2018	6.6	1.986	220.0
11/7/2018	7.5	5.041	381.0
12/17/2018	7.3	2.758	319.0
1/3/2019	7.4	2.764	331.0
1/16/2019	7.6	3.128	372.0
1/31/2019	7.9	3.190	374.0
2/13/2019	7.3	2.328	198.0
2/27/2019	7.7	2.842	395.0
3/14/2019	7.4	2.525	263.0
3/20/2019	7.7	2.878	375.0
3/28/2019	8.0	3.189	407.0
4/8/2019	7.7	2.733	347.0
4/11/2019	8.0	2.777	387.0
4/18/2019	7.3	2.468	350.0
4/25/2019	7.2	2.851	374.0
5/2/2019	7.2	2.012	250.0
5/9/2019	7.1	2.551	252.0
5/16/2019	7.3	2.684	391.0
5/22/2019	7.4	2.820	359.0
5/30/2019	7.0	1.661	229.0
6/6/2019	7.5	2.914	439.0
6/12/2019	7.7	2.781	424.0
6/20/2019	7.8	3.064	460.0
6/25/2019	7.5	1.975	245.0
Spring			
1/8/2015		2.27	534

Date	pH	Chloride	Electrical conductivity
1/14/2015		2.79	517
1/21/2015		2.27	553
2/3/2015		2.20	562
2/10/2015		2.44	581
2/26/2015		1.74	491
3/3/2015		1.57	430
3/11/2015		1.63	495
3/19/2015		1.54	474
3/25/2015		2.08	544
4/2/2015		1.78	515
4/9/2015		2.03	509
4/15/2015		1.76	480
4/23/2015		1.93	512
4/29/2015		2.55	564
5/4/2015		1.57	554
5/7/2015		2.29	623
5/11/2015		1.11	408
5/14/2015		1.35	507
5/18/2015		1.17	508
5/26/2015		1.08	516
6/8/2015		1.95	615
6/17/2015		1.65	532
6/22/2015		1.79	601
7/9/2015		1.43	542
7/16/2015		2.02	629
7/23/2015		2.17	656
7/30/2015		2.26	648

Date	pH	Chloride	Electrical conductivity
8/6/2015		0.92	606
8/13/2015		2.71	522
8/20/2015		2.09	554
8/27/2015		2.01	575
9/2/2015		2.08	581
9/10/2015		1.99	485
9/16/2015		0.00	557
9/24/2015		1.95	574
9/30/2015		2.00	573
10/8/2015		1.92	581
10/14/2015		1.94	610
10/22/2015		1.86	581
10/28/201		1.81	537
11/4/2015		2.11	572
11/12/2015		2.20	565
11/18/2015		1.80	395
12/2/2015		4.14	487
3/10/2016		1.109	359.0
3/16/2016		2.038	516.0
3/24/2016		1.939	446.0
3/31/2016		1.324	414.0
4/4/2016		1.971	506.0
4/20/2016		2.111	554.0
4/29/2016		2.234	522.0
5/3/2016		1.879	486.0
5/10/2016		1.190	417.0
5/18/2016		2.206	493.0

Date	pH	Chloride	Electrical conductivity
5/26/2016		1.370	450.0
6/2/2016		2.111	512.0
6/7/2016		2.348	503.0
6/15/2016		2.523	526.0
6/22/2016		2.659	543.0
6/29/2016		2.864	545.0
7/6/2016		2.749	533.0
7/13/2016		2.661	272.0
7/20/2016		2.271	594.0
7/27/2016		2.424	593.0
8/3/2016		2.151	541.0
8/16/2016		1.435	434.0
8/24/2016		2.644	556.0
8/30/2016		2.710	604.0
9/7/2016		2.822	598.0
9/15/2016		2.040	590.0
9/28/2016		2.785	652.0
10/5/2016		2.272	644.0
10/13/2016		1.899	455.0
10/20/2016	6.9	2.528	674.0
10/27/2016	7.2	2.525	637.0
11/3/2016	6.9	2.361	619.0
11/10/2016	7.2	2.402	605.0
11/17/2016	7.1	2.367	695.0
11/21/2016	7.0	2.433	259.0
11/29/2016	7.0	2.472	450.0
12/14/2016	6.9	2.320	519.0

Date	pH	Chloride	Electrical conductivity
1/5/2017	7.2	2.462	504.0
1/19/2017	7.1	2.397	520.0
2/2/2017	7.1	3.099	546.0
2/15/2017	7.3	2.305	353.0
3/16/2017	7.4	2.618	602.0
3/27/2017	7.3	1.223	373.0
4/6/2017	7.1	2.010	486.0
4/13/2017	7.1	2.810	547.0
4/17/2017	7.2	1.720	445.0
4/27/2017	7.4	1.565	476.0
5/18/2017	7.0	1.988	474.0
5/31/2017	7.5	1.305	471.0
6/5/2017	7.5	1.042	469.0
6/12/2017	8.0	1.532	482.0
6/19/2017	7.5	1.766	527.0
6/29/2017	7.2	1.982	451.0
7/5/2017	7.0	1.265	438.0
7/11/2017	7.1	1.972	521.0
7/19/2017	7.1	2.299	567.0
7/26/2017	6.8	2.394	559.0
8/3/2017	7.4	2.349	539.0
8/9/2017	7.4	2.129	518.0
8/16/2017	7.5	1.590	430.0
8/24/2017	7.2	1.690	459.0
8/31/2017	7.5	2.068	560.0
9/6/2017	7.1	2.276	570.0
9/13/2017	7.0	2.133	317.0

Date	pH	Chloride	Electrical conductivity
10/23/2017	7.0	2.784	409.0
2/22/2018	7.2	2.067	371.0
3/1/2018	8.3	1.794	362.0
3/7/2018	7.2	2.808	493.0
3/29/2018	7.4	0.903	489.0
4/5/2018	7.3	1.933	481.0
4/12/2018	7.1	2.974	533.0
4/19/2018	7.1	2.810	489.0
4/26/2018	7.3	1.057	387.0
5/3/2018	7.1	1.236	413.0
5/17/2018	7.1	2.812	593.0
5/24/2018	7.3	2.852	564.0
5/31/2018	7.3	2.539	557.0
6/7/2018	7.6	2.575	523.0
6/13/2018	7.8	3.107	511.0
8/1/2018	7.1	3.846	610.0
8/9/2018	7.2	2.405	588.0
9/25/2018	7.3	3.950	558.0
10/11/2018	6.9	4.113	649.0
10/16/2018	7.3	3.706	565.0
10/24/2018	7.1	4.685	589.0
11/1/2018	6.7	1.868	475.0
11/7/2018	7.0	3.734	514.0
11/20/2018	7.0	4.655	567.0
12/5/2018	7.2	3.821	551.0
12/17/2018	7.0	2.463	518.0
1/3/2019	7.2	2.383	513.0

Date	pH	Chloride	Electrical conductivity
1/16/2019	7.2	3.648	534.0
1/31/2019	7.2	3.573	561.0
2/13/2019	7.1	2.087	492.0
2/27/2019	7.3	2.568	543.0
3/14/2019	7.1	1.983	469.0
3/20/2019	7.2	3.042	545.0
3/28/2019	7.2	3.199	559.0
4/8/2019	7.3	2.084	552.0
4/11/2019	7.2	2.926	594.0
4/18/2019	7.0	1.832	498.0
4/25/2019	7.0	1.474	478.0
5/2/2019	7.2	1.459	488.0
5/9/2019	7.0	1.865	534.0
5/16/2019	7.0	2.145	569.0
5/22/2019	7.0	1.964	566.0
5/30/2019	6.9	0.940	476.0
6/6/2019	7.1	2.913	604.0
6/12/2019	7.1	2.211	582.0
6/20/2019	7.0	2.962	636.0
6/25/2019	7.0	1.917	483.0
House Well			
3/19/2015		4.787	458.0
3/25/2015		5.270	453.0
4/2/2015		4.908	453.0
4/9/2015		5.100	419.0
4/15/2015		5.023	426.0
4/23/2015		4.826	414.0

Date	pH	Chloride	Electrical conductivity
4/29/2015		4.960	436.0
5/4/2015		5.080	458.0
5/7/2015		5.104	452.0
5/11/2015		5.189	484.0
5/18/2015		4.817	481.0
5/26/2015		5.018	488.0
6/4/2015		5.080	458.0
6/8/2015		7.087	437.0
6/17/2015		5.134	493.0
6/22/2015		5.172	481.0
7/9/2015		5.856	481.0
7/16/2015		5.378	495.0
7/23/2015		5.423	481.0
7/30/2015		5.852	499.0
8/6/2015		5.738	449.0
8/13/2015		4.888	448.0
8/20/2015		4.647	427.0
8/27/2015		4.808	441.0
9/2/2015		4.989	465.0
9/10/2015		5.206	447.0
9/16/2015		4.878	448.0
9/24/2015		5.191	448.0
9/30/2015		7.307	446.0
10/8/2015		5.782	455.0
10/14/2015		5.235	461.0
10/22/2015		5.845	453.0
10/28/2015		4.837	456.0

Date	pH	Chloride	Electrical conductivity
11/4/2015		5.159	455.0
11/12/2015		5.590	458.0
11/18/2015		4.657	458.0
12/2/2015		5.557	422.0
12/14/2015		4.545	460.0
12/22/2015		5.455	458.0
1/5/2016		4.855	439
1/25/2016		5.278	462
2/10/2016		5.273	468
2/24/2016		5.237	447
3/10/2016		5.366	458
3/16/2016		4.993	482
3/24/2016		5.265	484
3/31/2016		5.023	409
4/4/2016		4.735	414
4/20/2016		5.475	417
4/28/2016		4.671	417
5/2/2016		5.316	441
5/10/2016		5.234	411
5/18/2016		4.450	420
5/26/2016		5.649	426
6/2/2016		5.450	409
6/7/2016		4.670	416
6/15/2016		4.394	414
6/22/2016		5.173	424
6/29/2016		5.557	432
7/6/2016		5.811	391

Date	pH	Chloride	Electrical conductivity
7/13/2016		5.021	561
7/20/2016		5.561	447
7/27/2016		5.230	467
10/13/2016		6.988	476
10/20/2016	7.6	6.421	495
10/27/2016	7.9	6.132	501
11/3/2016	7.6	5.560	479
11/10/2016	7.6	5.858	473
11/17/2016	7.6	5.655	544
11/21/2016	7.5	5.576	209
11/29/2016	7.5	5.721	350
12/14/2016	7.4	5.724	411
7/5/2016	7.36	5.105	417
7/11/2017	7.65	5.136	389
7/19/2017	7.45	12.717	430
7/26/2017	7.34	5.722	402
8/3/2017	7.75	5.085	419
8/9/2017	7.75	5.107	419
8/16/2017	8.00	5.121	413
8/24/2016	7.80	5.115	314
8/31/2017	7.75	4.910	419
9/13/2017	7.6	5.198	426.0
9/21/2017	7.4	5.065	440.0
9/28/2017	7.5	5.555	442.0
10/5/2017	7.2	5.461	433.0
10/12/2017	7.5	5.544	429.0
10/18/2017	7.5	5.149	436.0

Date	pH	Chloride	Electrical conductivity
10/23/2017	7.6	5.143	427.0
11/1/2017	7.3	5.622	457.0
11/9/2017	7.4	5.375	464.0
11/15/2017	7.7	5.431	446.0
11/30/2017	7.4	6.020	334.0
12/13/2017	7.4	7.786	434.0
12/18/2017	7.6	5.410	380.0
1/4/2018	7.8	5.025	321.0
1/18/2018	8.3	5.282	450.0
1/30/2018	7.7	5.334	436.0
2/14/2018	7.5	5.684	405.0
2/22/2018	7.3	5.088	317.0
3/1/2018	8.4	5.576	413.0
3/7/2018	7.4	5.197	446.0
3/29/2018	7.4	5.315	422.0
4/5/2018	7.5	1.647	460.0
4/19/2018	7.4	4.955	440.0
4/26/2018	7.6	5.106	450.0
5/3/2018	7.4	5.160	468.0
5/17/2018	7.4	4.861	464.0
5/24/2018	7.4	4.960	442.0
5/31/2018	7.7	4.840	283.0
6/7/2018	7.9	5.340	421.0
6/13/2018	7.9	4.949	425.0
6/28/2018	7.5	4.906	455.0
7/5/2018	7.6	5.001	455.0
7/12/2018	7.3	5.380	424.0

Date	pH	Chloride	Electrical conductivity
7/18/2018	7.2	6.588	443.0
7/25/2018	7.4	5.005	446.0
8/1/2018	7.5	5.347	445.0
8/9/2018	7.5	5.080	440.0
8/16/2018	7.5	4.874	415.0
8/23/2018	7.5	5.008	428.0
8/30/2018	7.5	5.010	447.0
9/6/2018	7.5	5.007	436.0
9/11/2018	7.4	5.083	434.0
9/25/2018	7.5	4.886	304.0
10/2/2018	7.3	5.022	391.0
10/11/2018	7.4	4.969	479.0
10/24/2018	7.4	5.956	428.0
11/1/2018	7.1	4.614	450.0
11/7/2018	7.5	5.099	456.0
11/20/2018	7.2	5.093	427.0
12/5/2018	7.5	5.057	428.0
12/17/2018	7.5	4.709	441.0
1/3/2019	7.4	4.824	445.0
1/16/2019	7.3	4.885	446.0
1/31/2019	7.4	4.807	445.0
2/13/2019	7.4	4.561	450.0
2/27/2019	8.2	4.737	508.0
3/14/2019	7.4	5.060	426.0
3/20/2019	7.5	4.680	439.0
3/28/2019	7.5	4.974	454.0
4/8/2019	7.6	5.031	450.0

Date	pH	Chloride	Electrical conductivity
4/11/2019	7.7	4.801	459.0
4/25/2019	7.4	4.661	479.0
5/2/2019	7.6	4.475	437.0
5/9/2019	7.3	4.766	458.0
5/22/2019	7.3	4.647	480.0
6/6/2019	7.3	4.611	478.0
6/12/2019	7.6	4.719	496.0
6/25/2019	7.3	4.587	404.0
Trench 1			
1/8/2015		2.01	154
1/14/2015		2.81	166
2/26/2015		2.08	171
3/3/2015		2.11	177
3/11/2015		1.95	193
3/19/2015		1.70	209
3/25/2015		2.13	238
3/26/2015		1.64	209
4/2/2015		1.94	261
4/9/2015		1.99	260
4/15/2015		1.80	260
4/23/2015		2.06	231
5/11/2015		2.09	262
5/14/2015		1.86	299
5/18/2015		1.57	346
5/26/2015		1.65	297
6/22/2015		1.99	341

Date	pH	Chloride	Electrical conductivity
6/29/2015		2.63	342
7/9/2015		2.08	171
11/18/2015		1.15	152
12/2/2015		1.47	162
12/14/2015		1.59	157
12/22/2015		1.70	180
1/5/2016		1.61	161
2/24/2016		1.16	162
3/10/2016		1.019	173.7
3/16/2016		1.451	226.0
3/24/2016		1.732	229.0
3/31/2016		1.280	167.9
5/10/2016		1.122	226.0
5/19/2016		0.405	196.5
5/18/2016		1.653	234.0
5/26/2016		1.421	262.0
6/2/2016		1.229	320
8/16/2016		2.051	293
8/24/2016		1.259	318
2/15/2017	8.0	2.344	397.0
3/16/2017	7.8	1.483	164.0
3/27/2017	7.4	1.018	164.0
4/6/2017	7.4	1.877	168.0
4/24/2017	7.4	0.895	160.0
4/27/2017	7.8	0.557	150.0
5/1/2017	7.7	1.193	172.0
2/22/2018	7.2	1.094	134.0

Date	pH	Chloride	Electrical conductivity
3/1/2018	8.2	1.224	152.0
3/29/2018	7.8	0.966	179.0
4/5/2018	7.7	1.365	192.0
5/3/2018	7.3	1.208	335.0
10/16/2018	7.9	1.032	132.0
11/1/2018	6.6	1.035	152.0
11/7/2018	7.6	1.304	272.0
2/13/2019	7.5	1.239	185.0
3/14/2019	7.2	1.151	147.0
4/18/2019	7.1	0.943	227.0
5/2/2019	6.7	0.846	179.0
5/9/2019	6.6	1.049	207.0
5/30/2019	6.3	1.405	193.0
6/25/2019	6.8	1.129	259.0
Trench 2			
3/11/2015		1.77	159
3/19/2015		1.04	168
3/26/2015		0.78	135
5/11/2015		0.41	165
5/26/2015		0.93	284
3/11/2015		1.77	159
3/19/2015		1.04	168
3/26/2015		0.78	135
5/11/2015		0.41	165
5/26/2015		0.93	284
12/14/2016		1.00	148

Date	pH	Chloride	Electrical conductivity
2/24/2016		0.99	144
3/10/2016		0.349	106.8
3/31/2016		0.424	134.5
4/4/2016		1.4	192.1
8/16/2016		0.597	219
2/15/2017	8.0	1.164	135.0
3/1/2017	7.3	0.808	159.0
3/27/2017	7.1	0.376	90.0
4/6/2017	7.0	0.325	175.0
4/24/2017	7.3	0.322	134.0
4/27/2017	7.5	0.217	129.0
5/1/2017	7.7	0.340	157.0
6/5/2017	7.0	0.298	160.0
11/15/2017	7.7	3.490	264.0
5/3/2018	7.0	0.456	111.0
11/1/2018	6.5	1.233	133.0
11/7/2018	6.8	1.560	208.0
2/13/2019	7.5	0.957	184.0
3/14/2019	6.6	0.706	117.0
4/18/2019	6.8	0.292	158.0
4/25/2019	6.7	0.341	221.0
5/2/2019	6.4	0.319	154.0
5/9/2019	6.3	0.375	171.0
5/22/2019	8.1	0.482	273.0
5/30/2019	6.2	1.226	158.0