

Data after February 2018 is preliminary and subject to change during data review and validation process  
TABLE 29

TCEQ Segment 1810  
TCEQ Station 17406  
Station Number 29 Plum Creek at Plum Creek Road  
Latitude 29°57'36 Longitude 97°48'0

Parameter	Date and 24 hour time												
	Parameter Code	10/15/01	11/8/01	12/11/01	1/15/02	2/12/02	3/21/02	4/16/02	5/13/02	6/11/02	7/24/02	8/16/02	9/23/02
Flow(cfs)		10	0.64	40	12.3	17.6	13	2.89	1.08	0.19	12.4	1.56	2.2
E. coli(org/100mL)	31699	540	48	365	124	728	>2419	153	88	231	123	51	215
Suspended Solids(mg/L)	530	64.6	45.4	21.1	12.6	33.8	95.2	64.4	32.3	24.4	40.7	30	22.2
Turbidity(NTU)	82079		28	23	11	20	54	36	20.5	9.2	33	25	37
pH	400	7.81	7.84	8.02	8.14	7.94	8.03	7.81	7.63	7.68	7.94	7.6	7.84
Temperature(C)	10	18.69	16.25	12.31	10.01	14.44	16.64	22.4	22.72	26.92	28.1	26.8	21.7
Dissolved Oxygen(mg/L)	300	9.03	6.99	10.67	13.37	10.86	10.83	6.17	4.55	5.43	7	5.29	7.27
Conductivity(umhos/cm)	94	866	836	528	699	765	722	824	1140	1108	662	957	613
Total Phosphorus(mg/L)	665	0.41	0.44	0.34	0.29	0.63	0.38	0.58	0.84	1.43	0.34	0.79	0.47
Nitrate-N(mg/L)	620	1	0.96	1.3	1.7	4.1	1.3	1.6	3.2	11.6	2.41	0.69	0.82
Chloride(mg/L)	940	90.6	70.4	23.8	77.1	50.7	42.8	70.1	101	99.2	30.8	56.8	43.3
Sulfate(mg/L)	945	89.6	69.8	73.5	97.4	87.4	135	91.7	119	101	57	67.6	53.8
Total Hardness(mg/L)	900	216	337	318	262	328	301	241	374	406	278	278	278
Ammonia-N(mg/L)	610	0.03		0.1		0.05		0.08		0.04		0.03	
Chlorophyll a(mg/m <sup>3</sup> )	32211	32.3	9.7	<1	2.4	<1	6.9	1.6	12.6	11.4	6.9	4.8	29.9
Pheophytin(mg/m <sup>3</sup> )	32218			45	7.2	30.1	20	15.1	6	5.1	11.2	11.9	7.9

Parameter	Date and 24 hour time												
	Parameter Code	10/21/02	11/14/02	12/16/02	1/8/03	2/26/03	3/19/03	4/14/03	5/14/03	6/23/03	7/25/03	8/19/03	9/15/03
Flow(cfs)		11.3	13.3	29.2	73.2	90.4	12.4	2.75	1.5	1.72	0.23	0.27	2.83
E. coli(org/100mL)	31699	1986	167	260	93	333	365	127	101	91	90	114	796
Suspended Solids(mg/L)	530	71.7	12.2	18.6	12.8	22.2	17.4	15.9	9.9	18.4	20.3	12.4	69.7
Turbidity(NTU)	82079	48	16	16	13	20	13	12	9	16	17	16.5	171
pH	400	8.07	7.86	8.15	7.74	7.69	7.92	7.62	7.64	7.68	7.74	7.81	8.18
Temperature(C)	10	19.7	15.5	14.7	12.5	6.03	16.7	19.2	23.6	27.7	26.9	26.6	23.2
Dissolved Oxygen(mg/L)	300	8.74	10.19	10.61	10.4	14.1	11.3	7.45	5.48	3.84	5	9.36	6.14
Conductivity(umhos/cm)	94	531	596	605	665	530	736	690	842	843	1103	916	464
Total Phosphorus(mg/L)	665	0.31	0.27	0.2	0.23	0.19	0.25	0.32	0.42	0.32	0.47	0.31	0.5
Nitrate-N(mg/L)	620	0.3	1.1	0.9	0.99	0.22	0.88	1.1	2.07	1.61	1.32	1.87	1.21
Chloride(mg/L)	940	48.5	22.8	28.9	31.4	30	43.8	42	62	75.9	92.6	65.7	25.5
Sulfate(mg/L)	945	84.2	67.5	73	70.6	59.3	86.4	79.4	89.7	84.8	115	77.9	59.7
Total Hardness(mg/L)	900	195	259	260	305	199	285	252	295	199	345	296	191
Ammonia-N(mg/L)	610	0.07		0.02		0.24		0.03		0.17		0.02	
Chlorophyll a(mg/m <sup>3</sup> )	32211	14.4	<1	5.6	<1	1.2	2.2	<1	2.54	10.4	4.2	2	10
Pheophytin(mg/m <sup>3</sup> )	32218	6.9	6.04	<1	2.02	4.4	<1	3.82	1.53	2.8	5	5.7	3.2

Parameter	Date and 24 hour time												
	Parameter Code	10/06/03	11/04/03	12/05/03	01/12/04	02/16/04	03/08/04	04/16/04	05/17/04	06/15/04	7/14/04	8/9/04	9/13/04
Flow(cfs)		1.09	1.21	0.28	1.2	9.19	5.95	10.1	11.1	60.2	4.67	1.95	1.3
E. coli(org/100mL)	31699	121	102	102	157	921	285	540	222	48	61	----	88
Suspended Solids(mg/L)	530	12	6.6	17.3	17	21.2	35.1	54.9	58.2	47.9	13.8	30.1	10.2
Turbidity(NTU)	82079	14.1	7.01	17.5	19	27	37.7	53.1	50.2	39.2	23.3	21.1	10.3
pH	400	7.96	7.86	7.96	8.03	8.15	7.59	8.18	7.81	7.89	7.94	7.8	7.74
Temperature(C)	10	21.6	22.3	13	9.72	9.85	16.8	18.2	23.9	27.5	26	25.9	24.1
Dissolved Oxygen(mg/L)	300	7.17	7.8	6.42	12.9	10.2	10	9.41	6.56	6.88	6.21	5.99	5.5
Conductivity(umhos/cm)	94	1200	1103	1102	1117	801	839	774	669	404	786	870	1315
Total Phosphorus(mg/L)	665	1.99	2.62	2.9	0.57	0.6	0.56	0.31	0.32	0.21	0.74	1.1	2.44
Nitrate-N(mg/L)	620	15.5	2.6	15.6	8.75	19.2	5.3	1.44	1.32	0.48	2.41	5.15	19.8
Chloride(mg/L)	940	105	102	115	101	79.5	73.2	57.9	37.6	16.3	46.2	68.6	124
Sulfate(mg/L)	945	122	104	112	95.5	74.4	71.4	80.7	64.6	31.5	64.8	67.6	110
Total Hardness(mg/L)	900	351	342	364	335	262	269	268	251	179	272	275	356
Ammonia-N(mg/L)	610	0.03		0.04		0.03		0.09		0.04		0.04	
Chlorophyll a(mg/m <sup>3</sup> )	32211	2	1.9	<5	6.6	<5.0	<5.0	<5.0	<5.0	11.6	<5	1.9	<1
Pheophytin(mg/m <sup>3</sup> )	32218	<1.0	<1.0	<3	<3.0	<3.0	3	6.2	<3.0	<3.0	<3	<3	<3

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 TABLE 29 (cont.)

TCEQ Segment 1810  
 TCEQ Station 17406  
 Station Number 29 Plum Creek at Plum Creek Road  
 Latitude 29/57/36 Longitude 9748/0

Parameter	Date and 24 hour time												
	Parameter Code	10/12/04	11/9/04	12/8/04	1/7/05	2/9/05	3/3/05	4/6/05	5/2/05	6/6/05	7/6/05	8/4/05	9/8/05
Flow(cfs)		2.39	8.5	55.1	11	12.2	1485	20.9	4.3	1.2	1.2	1.1	2.3
E. coli(org/100mL)	31699	210	----	310	579	2452	944	1046	140	326	101	200	96
Suspended Solids(mg/L)	530	32.4	23.3	12	8.8	71.3	50.7	25.9	7.5	27.4	11.5	79.3	17.3
Turbidity(NTU)	82079	27.8	18.1	17.4	9.3	81.5	44.7	29.5	9.7	32.2	9.3	11.2	13.1
pH	400	7.71	7.81	7.87	7.81	7.83	7.88	7.68	7.9	7.89	7.92	7.84	7.84
Temperature(C)	10	20.6	18	14.1	10.7	13.4	14	18.7	18	26.1	27.3	26.5	24.3
Dissolved Oxygen(mg/L)	300	6.54	9.43	13.2	10.7	9.74	12.02	8.47	8.35	6.2	5.92	5.72	5.3
Conductivity(umhos/cm)	94	1089	699	542	714	484	559	734	711	824	1163	1117	1150
Total Phosphorus(mg/L)	665	2.16	0.42	0.2	0.34	0.22	<0.05	0.27	0.31	0.33	3.2	2.41	1.38
Nitrate-N(mg/L)	620	15.7	2.3	1.1	2.75	0.84	0.54	2.43	2.3	2.28	3.84	11.8	5.35
Chloride(mg/L)	940	88.9	32	16.9	34.1	21.2	25.1	38.3	39.6	72.7	136	126	134
Sulfate(mg/L)	945	95.4	87.4	57.9	91.7	49.7	55.7	75.5	64.6	85.1	97.7	93.4	98.7
Total Hardness(mg/L)	900	343	278	240	278	202	233	276	275	260	327	331	324
Ammonia-N(mg/L)	610	0.09		0.02		0.05		0.07		0.06		0.04	
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	<1	1.3	1.3	1.3	4.8	1	<1	3.1	1.9	<1	<1
Pheophytin(mg/m <sup>3</sup> )	32218	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

Parameter	Date and 24 hour time												
	Parameter Code	10/7/05	11/4/05	12/9/05	1/5/06	2/1/06	3/2/06	4/4/06	5/4/06	6/5/06	7/10/06	8/7/06	9/8/06
Flow(cfs)		0.4	1.4	1.6	3.1	0.8	1.4	2.4	1.5	1.4	2.2	1.5	4
E. coli(org/100mL)	31699	59	360	210	64	160	200	360	170	120	190	220	200
Suspended Solids(mg/L)	530	27	16.3	5	12	9.7	13.3	37.7	26.3	11.3	29	14.7	26.7
Turbidity(NTU)	82079	21.2	10.1	5	11.3	8.8	13.3	32.9	16.3	9.7	26.3	15.3	15.9
pH	400	7.69	7.71	7.91	8.02	7.78	7.83	7.72	7.67	7.57	7.58	7.51	7.42
Temperature(C)	10	20.8	16.5	6.5	13.5	13.9	19.5	21.5	23.4	24.6	26.4	26.2	22.1
Dissolved Oxygen(mg/L)	300	3.52	6.62	13.1	10.6	8.46	8.59	5.12	4.21	6.01	2.76	2.24	3.02
Conductivity(umhos/cm)	94	701	1193	1171	1224	1132	1133	1161	1033	1048	1003	1162	1237
Total Phosphorus(mg/L)	665	5.02	3.44	2	1.63	3.9	2.86	0.88	0.77	1.56	0.76	0.33	4.2
Nitrate-N(mg/L)	620	1.95	0.5	9.68	5.2	5.25	1.66	1.35	8	4	3.8	11.2	19
Chloride(mg/L)	940	151	141	126	131	126	59	153	82	92	102	122	142
Sulfate(mg/L)	945	86.5	98	97.4	130	141	59	104	58.5	100	92	92.8	97
Total Hardness(mg/L)	900	372	340	340	350	332	328	331	239	316	289	319	312
Ammonia-N(mg/L)	610	15.5	0.02	0.02		0.39		0.34		11.4		10.4	
Chlorophyll a(mg/m <sup>3</sup> )	32211	1.3	1.3	<1	2	3	5	4.6	1.3	8.3	4.8	8.6	3.4
Pheophytin(mg/m <sup>3</sup> )	32218	<1	<1	<1	1.6	1.5	2	3.2	2.7	1.6	<1	1.6	1.3

Parameter	Date and 24 hour time												
	Parameter Code	10/10/06	11/3/06	12/6/2006	1/8/07	2/5/07	3/8/07	4/4/07	5/9/07	6/15/07	7/9/07	8/6/07	9/12/07
Flow(cfs)		7.1	1.1	2.2	10.4	17.6	3.5	45	29	3.3	22	80	76.7
E. coli(org/100mL)	31699	1414	170	140	410	170	580	>2400	260	52	960	70	1690
Suspended Solids(mg/L)	530	15.7	24.7	7.7	22.7	11.7	11.3	71.3	48.3	17.7	54.3	22.3	115
Turbidity(NTU)	82079	9.5	23.3	8.3	21	7.8	6	56.3	41.5	15.2	43.8	16.6	75.1
pH	400	7.57	7.71	7.96	7.75	8.11	7	7.85	7.81	7.68	7.92	7.84	7.81
Temperature(C)	10	20.9	14.8	11.9	11.3	12.1	15.9	21.3	23.7	26	26.9	27.4	25.5
Dissolved Oxygen(mg/L)	300	5.89	8.43	9.91	14	13.3	7.26	8.06	9.59	5.49	7.23	6.82	8.29
Conductivity(umhos/cm)	94	1138	1115	1134	803	865	1025	620	751	890	476	474	545
Total Phosphorus(mg/L)	665	3.39	1.88	2.88	0.89	0.63	3.52	0.41	0.74	1.33	0.2	0.21	0.2
Nitrate-N(mg/L)	620	14.9	13.4	15.4	1.27	4.61	11.4	1.44	4.74	11	72	0.55	0.27
Chloride(mg/L)	940	135	126	118	58	52.4	88	35.6	27.4	70.3	28.4	17.1	29.8
Sulfate(mg/L)	945	96.5	84.8	78.4	78.8	115	101	59.2	72.9	102	46.3	34.9	94.4
Total Hardness(mg/L)	900	303	290	287	283	308	326	277	284	294	190	184	241
Ammonia-N(mg/L)	610	0.03		0.02		<0.02		0.06		0.03			
Chlorophyll a(mg/m <sup>3</sup> )	32211	2.6	<1	2.5	1.6	9.3	2.9	2.3	2.1	1.6	2.2	5.3	6.8
Pheophytin(mg/m <sup>3</sup> )	32218	<1	<1	<1	<1	<1	1.5	<1	<1	<1	<1	2.1	<1

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TABLE 29 (cont.)

TCEQ Segment 1810  
TCEQ Station 17406  
Station Number 29 Plum Creek at Plum Creek Road  
Latitude 29/57/36 Longitude 9748/0

Parameter	Date and 24 hour time												
	Parameter Code	10/11/07	11/14/07	12/12/07	1/7/08	2/15/08	3/12/08	4/9/08	5/07/08	6/11/08	7/3/08	8/6/08	9/9/08
Flow(cfs)	00061	3.4	3	3.5	3.8	2.5	21	2.2	2.1	1.5	1.6	1.2	1.5
E. coli(org/100mL)	31699	49	40	160	250	120	1400	36	250	240	550	330	340
Suspended Solids(mg/L)	00530	16.7	11.3	23.3	4.3	32	37.3	20.7	15.7	39.7	27	25	12.3
Turbidity(NTU)	82079	14.8	7.57	15.4	8.41	35.3	24.7	20.1	18.3	39.4	39	30.8	22.2
pH	00400	7.66	7.61	7.71	7.84	7.93	8.02	7.7	7.8	7.8	7.5	7.8	7.5
Temperature(C)	00010	23.6	20.9	15	17	16.7	16	22.6	22.7	26.6	24.8	26.5	25.7
Dissolved Oxygen(mg/L)	00300	6.93	4.86	7.33	8.23	7.97	10.7	5.8	6.8	5.4	4.9	5.1	7.5
Conductivity(umhos/cm)	00094	952	999	955	1055	1027	897	1060	1110	969	1180	1160	1200
Total Phosphorus(mg/L)	00665	2.1	2.86	2.33	2.82	2.6	0.49	2.8	2.81	3.91	3.81	4.41	4.41
Nitrate-N(mg/L)	00620	11.4	1.55	8.64	11.6	12	2.1	11.1	14.5	14.7	12.3	14.9	24.8
Chloride(mg/L)	00940	101	98.9	98.8	102	132	107	123	126	150	147	156	150
Sulfate(mg/L)	00945	96.1	93.8	76.1	98.9	117	107	99	111	104	104	101	83.9
Total Hardness(mg/L)	00900	293	301	316	325	343	232	328	330	340	326	307	301
Ammonia-N(mg/L)	00610	<0.1		0.14		<0.1	0.11	0.14	0.14	1.24	0.12	0.33	0.1
Chlorophyll a(mg/m <sup>3</sup> )	32211	1	<1	<1	2.2	2.2	2.9	<1	<1.0	<1	4.7	3	<1
Pheophytin(mg/m <sup>3</sup> )	32218	<1	<1	<1	<1	<1	1.3	1.1	<1.0	<1	<1	1.1	<
Total Kjeldahl Nitrogen (mg/L)	00625	0.61		1.33		0.82		0.58		2.16		1.14	

Parameter	Date and 24 hour time												
	Parameter Code	10/7/08	11/12/08	12/4/08	1/7/09	2/4/09	3/10/09	4/7/09	5/5/09	6/3/09	07/06/09	08/03/09	9/03/09
Flow(cfs)	00061	1.5	1.77	1.1	2.5	2.2	1.2	1.9	1.9	1	1.2	1	1
E. coli(org/100mL)	31699	>2420	100	77	290	550	240	320	610	460	1050	690	330
Suspended Solids(mg/L)	00530	24	6.3	8	6.7	14.3	21.3	9.7	26.7	27.7	28	23.7	15.3
Turbidity(NTU)	82079	22.7	6.49	9.01	9.67	15.5	16.9	11.9	12.6	26.9	31.6	19.7	22.5
pH	00400	7.6	7.4	7.5	7.4	7.9	7.7	7.8	7.6	7.7	7.7	7.7	7.7
Temperature(C)	00010	22.9	20	12.7	10.3	10.5	21.4	13.2	22.9	24.8	28	26.9	25.4
Dissolved Oxygen(mg/L)	00300	5.7	5.2	7	10.8	9.8	6.5	9.6	6.3	6.3	5	5.5	7.8
Conductivity(umhos/cm)	00094	1220	1240	1240	1210	1270	1190	1280	1210	1170	1170	1150	1170
Total Phosphorus(mg/L)	00665	4.8	4.3	4.48	4.25	4.28	4.5	4.1	4.44	3.51	2.09	5	3.67
Nitrate-N(mg/L)	00620	25.9	28.4	22.6	17.4	10.4		26.2	10.5	17.9	12.6	12.9	16.1
Chloride(mg/L)	00940		148	153	191	174	167	173	166	148		140	142
Sulfate(mg/L)	00945	(25.9)	101	105	94.4	90.2	85.8	95.5	94	79.6		79.6	68.8
Total Hardness(mg/L)	00900	299	302	366	304	319	309	315	311	308	306	293	287
Ammonia-N(mg/L)	00610	0.24	<0.10	0.11	0.14	0.57	0.25	<0.1	5.62	0.34	0.15	0.7	0.11
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	<1	<1	1.1	4.7	1.3	<1	8.7	<1	2.6	<1.0	<1.0
Pheophytin(mg/m <sup>3</sup> )	32218	<1	<1	<1	<1	1.5	1.2	<1	3.3	<1	1	<1.0	1.1
Total Kjeldahl Nitrogen (mg/L)	00625	0.99		0.91		1.29		1.17		1.38			

Parameter	Date and 24 hour time												
	Parameter Code	10/05/09	11/04/09	12/01/09	1/12/10	2/3/10	3/10/10	4/14/10	5/4/10	6/16/10	7/6/10	8/3/10	9/8/10
Flow(cfs)	00061	48	14	11	8.2	216	13.3	4.7	1.6	6.2	5.4	0.9	flood
E. coli(org/100mL)	31699	1240	230	160	4840	6870	250	360	950	310	480	260	17300
Suspended Solids(mg/L)	00530	136	27.3	13	6	157	16.3	29	35	68.3	43	32.3	177
Turbidity(NTU)	82079	136	21.8	12.6	6.6	96.8	8.4	28.5	33.4	54.5	38.8	30.5	161
pH	00400	8	8	7.9	8.2	8	8	7.8	7.7	7.8	8	7.7	7.8
Temperature(C)	00010	23.5	18.1	13.2	9.4	10.8	19.4	19.9	19.7	28.4	27	27	26.3
Dissolved Oxygen(mg/L)	00300	8.4	9.6	10.5	12.7	11.8	9.2	9.4	5.6	6.4	6.7	7.9	10.4
Conductivity(umhos/cm)	00094	472	691	858	917	531	798	986	1120	845	828	1240	330
Total Phosphorus(mg/L)	00665	0.29	0.8	0.78	1.19	0.45	0.56	1.5	1.71	0.76	0.76	4.56	0.37
Nitrate-N(mg/L)	00620	1.17	5.48	5.85	8.48	2.71	4.28	9	6.64	4.96	4.5	25.6	0.46
Chloride(mg/L)	00940	28.3	50.4	72.1	85.6	27.8	62.6	96.2	122	94.2	81.1	170	20.2
Sulfate(mg/L)	00945	51.4	60.6	100	110	51.5	76	93.8	100	80.6	85.3	116	28.8
Total Hardness(mg/L)	00900	217	250	328	338	268	286	306	322	259	268	352	197
Ammonia-N(mg/L)	00610	0.13	0.11	0.12	0.12	<0.10	<0.10	0.16	3.5	0.13	0.14	0.18	0.28
Chlorophyll a(mg/m <sup>3</sup> )	32211	2.2	3	<1	2.6	1.7	1.4	<1	1.3	1.2	3.3	<1	1.1
Pheophytin(mg/m <sup>3</sup> )	32218	<1	<1.0	<1	<1	<1	1.9	1	<1	1.4	1.3	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625	1.02		0.72		0.94		1.08		0.99		0.99	

Data after February 2018 is preliminary and subject to change during data review and validation process  
TABLE 29 (cont.)

TCEQ Segment 1810  
TCEQ Station 17406  
Station Number 29 Plum Creek at Plum Creek Road  
Latitude 29/57/36 Longitude 9748/0

Parameter	Date and 24 hour time												
	Parameter Code	10/07/10	11/15/10	12/02/10	1/5/11	2/7/11	3/3/11	4/5/11	5/13/11	6/2/11	7/12/2011	08/01/11	09/13/11
Flow(cfs)	00061	2.3	1.9	1.3	2.2	3.3	2.2	2	4.2	1.2	0.5	0.2	0.6
E. coli(org/100mL)	31699	160	150	60	110	73	170	220	1250	330	310	1050	600
Suspended Solids(mg/L)	00530	21	1.4	0.8	2.7	4.3	20.2	32.3	53.4	25.5	28.8	16.9	13.5
Turbidity(NTU)	82079	14.9	2	1.1	4.3	6.2	14.5	16	39.5	23.2	24.1	12.2	11.3
pH	00400	8	7.8	7.8	7.8	8	7.9	7.9	7.8	7.8	7.9	7.8	7.7
Temperature(C)	00010	18.1	16	11.4	14.7	11	15.7	17.1	22.6	26.1	27.7	27.9	24.5
Dissolved Oxygen(mg/L)	00300	7.8	7.4	8.2	8.1	9.8	8.4	7.7	7	6.3	6.2	6.6	6.3
Conductivity(umhos/cm)	00094	1030	1190	1190	1150	967	1070	1200	1210	1400	1240	1230	1250
Total Phosphorus(mg/L)	00665	2	3.22	2.86	2.5	1.8	2.83	3.6	1.75	2.22	3.86	3.79	4.25
Nitrate-N(mg/L)	00620	18	27	21.8	20.8	13.3	19.8	24.5	13.1	14.5	19.5	27.3	24
Chloride(mg/L)	00940	111	126	141	148	93.7	124	157	94	232	164	153	155
Sulfate(mg/L)	00945	89	100	99.5	94.6	83	90.4	94.5	83.1	122	95.7	101	84.2
Total Hardness(mg/L)	00900	262	328	334	274	284	298	326	295	300	301	298	293
Ammonia-N(mg/L)	00610	0.14	0.13	0.11	0.16	<0.1		0.17	0.27	0.2	0.23	0.1	<0.10
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1.0	<1.0	<1	<1	1.7	1.4	2.5	1.2	2	<1.0	<1.0	<1.0
Pheophytin(mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1	<1	1	1.6	2.5	<1	<1	<1.0	<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.75		0.82		0.71		1.12	1.28	1.07	0.75	0.87	0.95

Parameter	Date and 24 hour time												
	Parameter Code	10/11/11	11/7/11	12/6/11	1/10/2012	2/13/2012	3/6/12	4/4/12	5/2/12	6/14/12	7/10/12	8/14/12	9/5/12
Flow(cfs)	00061	0.4	0.3	9.1	6.2	24	23	21	1.6	1.9	1	0.9	1.8
E. coli(org/100mL)	31699	360	270	680	1410	320	250	430	190	210	370	220	210
Suspended Solids(mg/L)	00530	21.3	7.9	15.8	15.6	25.1	22.6	79	26.9	53.8	38.4	16.4	16.1
Turbidity(NTU)	82079	12.1	4.7	14.5	12.5	21.9	13.6	60.5	20.8	45.4	27.5	13.9	17
pH	00400	7.7	7.6	7.8	8.0	8	8	7.8	7.8	7.8	7.8	7.9	7.4
Temperature(C)	00010	21.7	19.4	9.8	12.8	11.3	17.8	21.7	23.8	26.8	26.6	27.4	26.6
Dissolved Oxygen(mg/L)	00300	6.6	7.0	10.9	10.3	11.1	9.9	7.4	6.2	5.9	5.4	6.7	5.8
Conductivity(umhos/cm)	00094	1230	1340	1600	1000	745	856	651	1100	1020	1260	1280	1290
Total Phosphorus(mg/L)	00665	4	5.24	0.75	1.75	0.47	0.74	0.48	2.47	0.9	5.26	3.93	4.18
Nitrate-N(mg/L)	00620	29.3	34.8	5.88	22.2	5.64	4.84	3.36	13.2	6.8	19.6	19.4	29
Chloride(mg/L)	00940	146	180	267	110	55.7	55.8	39.7	129	97.2	171	169	186
Sulfate(mg/L)	00945	77.1	88.9	153	92.1	97.6	159	69.9	82.1	140	105	103	96.5
Total Hardness(mg/L)	00900	287	310	218	288	282	326	262	313	308	322	303	296
Ammonia-N(mg/L)	00610	0.18	0.12	0.28	0.27	0.19	0.28	0.28	0.3	0.32	0.14	0.19	0.23
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	<1	<1	1.5	5.6	2.4	5.8	<1	3.7	1.2	<1	<1
Pheophytin(mg/m <sup>3</sup> )	32218	<1	<1	<1	<1.0	<1.0	<1	1.8	<1	3.2	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625	0.77	0.7	1.22	0.85	0.74	0.8	1.32	<0.2	0.98	5.17	<4	<0.2

Parameter	Date and 24 hour time												
	Parameter Code	10/2/12	11/14/12	12/18/12	1/7/13	2/4/13	3/20/13	4/3/13	5/9/13	6/5/13	7/2/2013	8/7/13	9/10/13
Flow(cfs)	00061	3.6	1.8	2.2	2.4	1.7	1.4	14	2	2.6	0.7	1.3	1.5
E. coli(org/100mL)	31699	230	650	410	820	920	550	>2400	480	300	390	290	2000
Suspended Solids(mg/L)	00530	38	9.5	8.13	7.3	14.1	25	111	12.6	21.5	21.4	27.4	27.6
Turbidity(NTU)	82079	34.4	10.1	9.6	8.2	12.5	20.5	101	7.66	17.9	19.7	24.9	27.6
pH	00400	7.9	7.9	7.9	7.9	7.8	7.7	7.8	7.7	7.6	7.6	7.5	7.4
Temperature(C)	00010	21.1	14.1	13.7	10	17.2	19.9	16.9	21.3	25.8	25.4	27.9	25.6
Dissolved Oxygen(mg/L)	00300	6.8	7.3	7.9	9.6	7.5	7.1	8.2	5.7	5.7	5.6	5.1	7.1
Conductivity(umhos/cm)	00094	914	1200	1240	1240	1200	1300	633	1230	882	1270	1300	1280
Total Phosphorus(mg/L)	00665	0.93	2.99	0.04	3.97	2.63	2.06	0.67	2.81	1.51	2.31	3.97	4.15
Nitrate-N(mg/L)	00620	1.12	9.8	12.7	20.2	13.8	9.2	1.87	6.9	3.3	4.5	14.2	30.2
Chloride(mg/L)	00940	133	159	165	157	168	188	70.4	170	99.2	169	238	178
Sulfate(mg/L)	00945	79.6	98.7	91	104	97.1	104	53.5	91	69.5	96.3	121	97.9
Total Hardness(mg/L)	00900	215	280	290	300	285	285	230	296	255	300	299	284
Ammonia-N(mg/L)	00610	1	0.36	0.15	0.13	0.22	0.15	0.57	0.3	0.23	3.18	0.24	0.15
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1	<1	<1	<1	2.11	1.3	<1	<1	3.43	1.29	1.11	<1
Pheophytin(mg/m <sup>3</sup> )	32218	8.85	<1	1.78	<1	<1	1.8	<1	<1	<1	<1	<1	<1
Total Kjeldahl Nitrogen (mg/L)	00625	1.82	0.84	<0.2	<0.2	<0.2	0.98	1.5	0.82	0.97	4.32	<0.2	<0.2

Data after February 2018 is preliminary and subject to change during data review and validation process  
 TABLE 29 (cont.)

TCEQ Segment 1810  
 TCEQ Station 17406  
 Station Number 29 Plum Creek at Plum Creek Road  
 Latitude 29/57/36 Longitude 9748/0

Parameter	Parameter Code	Date and 24 hour time											
		10/2/13	11/18/13	12/4/13	1/13/14	2/5/14	3/10/14	4/9/14	5/8/14	6/10/14	7/2/14	8/6/14	9/3/14
Flow(cfs)	00061	39	36	16	8.1	4.2	11	3.7	2.1	3.2	0.9	2.1	1.5
E. coli(org/100mL)	31699	64	430	370	2400	980	1200	730	1100	650	880	730	1300
Suspended Solids(mg/L)	00530	58	27	12	8.90	11.7	20.7	21.4	1.90	10.5	14.6	8.80	14.5
Turbidity(NTU)	82079	47.3	23.6	7.8	7.2	10.6	24.3	17.4	12.6	14.4	10.9	8.6	13.6
pH	00400	7.8	7.8	7.6	7.9	7.6	7.9	7.8	7.6	7.7	7.4	7.5	7.6
Temperature(C)	00010	25.5	20.2	16.8	14.3	11.3	14.1	16.3	22.9	25.3	26.8	26.7	27.3
Dissolved Oxygen(mg/L)	00300	7	8.1	8.3	9.0	10.0	10.3	8.0	5.3	6.4	5.8	7.2	6.2
Conductivity(umhos/cm)	00094	637	467	851	966	1120	1020	1300	1360	853	1120	1230	1200
Total Phosphorus(mg/L)	00665	0.31	0.33	0.7	0.96	1.39	0.69	3.22	3.76	1.83	3.13	3.94	4.38
Nitrate-N(mg/L)	00620	1.98	0.37	5.6	6.36	7.60	6.20	11.7	26.2	9.20	22.7	25.0	21.6
Chloride(mg/L)	00940	85.9	25.7	66	89.0	130	114	171	191	76.9	150	178	182
Sulfate(mg/L)	00945	54.3	50.8	120	173	106	125	125	124	85.3	99.2	108	96.1
Total Hardness(mg/L)	00900	162	189	297	291	276	288	289	324	264	289	293	272
Ammonia-N(mg/L)	00610	0.15	0.35	<0.1	<0.10	<0.10	0.37	0.36	0.39	0.24	0.29	0.17	0.35
Chlorophyll a(mg/m <sup>3</sup> )	32211	5.87	7.92	3.06	2.64	1.28	---	<1.0	8.51	<1.0	1.22	<1.00	<1.0
Pheophytin(mg/m <sup>3</sup> )	32218	<1	<1	<1	<1.0	<1.0	----	<1.0	<1.0	5.58	<1.0	<1.00	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	0.7	0.23	0.29	<0.20		1.04	0.981	1.09	0.54	<0.20	0.97	<0.20

Parameter	Parameter Code	Date and 24 hour time											
		10/6/14	11/3/14	12/1/14	1/5/15	2/3/15	3/11/15	4/8/15	5/7/15	6/9/15	7/9/15	8/3/15	09/17/15
Flow(cfs)	00061	1.5	2.5	9.3	13	17	71	12	23	20	10	1.3	1.9
E. coli(org/100mL)	31699	340	520	520	310	580	1100	340	410	210	240	520	260
Suspended Solids(mg/L)	00530	11.6	8.90	27.9	11.3	9.70	60.8	23.20	44.8	30.5	36.8	13.2	10.9
Turbidity(NTU)	82079	9.0	6.5	16.9	10.6	10.1	47.4	18.7	34.2	24.3	25.7	14.5	10.8
pH	00400	7.6	7.7	7.5	8.0	8.0	7.8	7.6	7.4	7.8	7.7	7.6	7.7
Temperature(C)	00010	23.3	18.6	16.7	7.9	11.4	13.4	22.3	23.8	26.5	26.5	26.9	25.6
Dissolved Oxygen(mg/L)	00300	6.5	7.0	7.1	11.7	9.9	9.8	6.1	6.9	6.2	5.9	6.1	6
Conductivity(umhos/cm)	00094	1250	1150	679	855	719	635	882	706	717	863	1230	1320
Total Phosphorus(mg/L)	00665	4.56	4.33	0.39	0.34	0.37	0.26	0.56	0.80	0.54	0.86	3.39	3.12
Nitrate-N(mg/L)	00620	21.0	11.7	2.56	2.76	3.18	1.59	3.08	2.10	2.91	4.78	16.3	15.4
Chloride(mg/L)	00940	186	178	72.1	92.8	60.5	59.1	86.7	59.1	51.8	76.9	154	182
Sulfate(mg/L)	00945	93.9	102	67.3	126	84.7	82.1	87.5	77.3	59.2	99.4	104	110
Total Hardness(mg/L)	00900	278	274	218	259	270	223	278	278	257	326	299	300
Ammonia-N(mg/L)	00610		3.11	0.42	0.34	0.24	0.12	0.20	0.13	0.38	0.14	<0.10	<0.10
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1.0	<1.0	2.22	1.22	<1.0	8.76	<1.0	3.07	4.45	<1.00	<1.00	<1.0
Pheophytin(mg/m <sup>3</sup> )	32218	<1.0	<1.0	<1.0	<1.0	3.74	<1.0	<1.0	<1.0	3.65	1.11	<1.00	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625		1.06	1.33	0.89	0.98	0.82	0.75	0.70	1.20	0.63	<0.20	<0.20

Parameter	Parameter Code	Date and 24 hour time											
		10/07/15	11/18/15	12/02/15	01/05/16	2/3/16	3/1/16	3/15/16	04/06/16	05/02/16	5/25/16	6/8/16	7/12/16
Flow(cfs)	00061	0.9	89	22	21	6.2	8.6	21	5.8	212	63	102*	1.8
E. coli(org/100mL)	31699	210	180	340	210	240	260	450	430	7700	150	320	260
Suspended Solids(mg/L)	00530	12.1	31	10.1	13.5	9.4	10.3	29.7	22.0	13.0	34.0	3.00	19.0
Turbidity(NTU)	82079	11.1	22.9	9.2	13.1	7.1	8.8	20.8	27.1	27.1	13.7	22.6	22.6
pH	00400	7.6	7.9	7.7	7.8	7.6	7.5	7.6	7.4	7.7	7.7	7.6	7.6
Temperature(C)	00010	21.5	17.3	13.5	10.9	13.9	20.6	21.3	19.6	20.3	24.9	26.3	27.3
Dissolved Oxygen(mg/L)	00300	6.2	9.1	8.7	9.6	5.6	3.9	6.0	4.9	8.2	7.3	8.8	5.4
Conductivity(umhos/cm)	00094	1330	455	817	932	1090	1110	826	1120	497	437	426	1250
Total Phosphorus(mg/L)	00665	5.14	0.14	0.27	0.56	0.72	2.38	0.58	1.57	0.27	0.24	0.16	2.69
Nitrate-N(mg/L)	00620	13.9	0.49	1.27	2.13	2.48	0.60	3.04	9.44	1.05	0.46	0.76	14.0
Chloride(mg/L)	00940	179	22.5	73.6	83.4	143	133	137	137	30.6	18.8	178	178
Sulfate(mg/L)	00945	97.9	67	99.6	127	116	132	111	111	58.8	27.5	116	116
Total Hardness(mg/L)	00900	300	184	271	307	303	297	298	298	210	163	316	316
Ammonia-N(mg/L)	00610	4.5	<0.10	2.25	2.28	2.38	9.68	0.92	1.47	<0.10	0.22	<0.10	0.34
Chlorophyll a(mg/m <sup>3</sup> )	32211	1.16	10.1	5.67	1.6	1.34	3.41		1.41	6.01		4.88	<1.0
Pheophytin(mg/m <sup>3</sup> )	32218	<1.0	3.46	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0		<1.0	<1.0
Total Kjeldahl Nitrogen (mg/L)	00625	3.62	0.53	0.85	3.27	2.53	8.13	1.78	2.29	0.99	0.99	0.89	<0.20

\* Estimate due to high flows

TCEQ Segment  
TCEQ Station  
Station Number 29  
Latitude 29/57/36

Data after February 2018 is preliminary and subject to change during data review and validation process  
1810  
17406  
Plum Creek at Plum Creek Road  
Longitude 9748/0

TABLE 29 (cont.)

Parameter	Date and 24 hour time												
	Parameter Code	7/28/16 1323	8/1/16 1356	9/7/16 1532	10/24/16 1040	11/14/16 1210	12/12/16 1325	1/11/17 1228	2/20/17 1413	3/13/17 1411	4/3/17 1412	5/8/17 1406	6/5/17 1441
Flow(cfs)	00061	27	11	13	3.9	7.2	19	6.2	Too High	59	116*	6.0	25
E. coli(org/100mL)	31699	2000	620	280	300	320	440	250	17000	680	6500	920	920
Suspended Solids(mg/L)	00530	112	31.6	13.9	13.2	15.7	13.4	6.00	70.0	28.4	95.0	7.30	45.6
Turbidity(NTU)	82079		29.7	18.2	12.1	15.5	6.3	4.0	142	23.7	92.2	5.4	32.6
pH	00400	7.6	7.5	7.5	7.7	7.5	7.5	7.4	7.6	7.8	7.8	7.7	7.7
Temperature(C)	00010	27.5	27.8	27.7	20.2	19.2	14.6	16.7	18.2	16.2	20.4	21.6	25.3
Dissolved Oxygen(mg/L)	00300	5.8	5.6	6.4	6.8	8.7	8.9	10.3	8.3	9.6	8.1	7.2	6.4
Conductivity(umhos/cm)	00094	559	847	905	1210	1052	862	1070	444	714	517	1190	717
Total Phosphorus(mg/L)	00665	0.23	0.51	0.98	2.91	1.10	0.92	1.43	0.33	0.17	0.24	2.07	0.59
Nitrate-N(mg/L)	00620	1.24	0.61	7.2	15.5	6.80	3.84	6.36	1.59	2.23	1.22	13.6	2.40
Chloride(mg/L)	00940		64.2	89.0	120	111	82.1	142	24.8	53.3	34.9	146	70.9
Sulfate(mg/L)	00945		145	94.7	88.8	137	130	128	49.7	82.5	66.6	104	80.7
Total Hardness(mg/L)	00900		275	288	300	299	290	299	116	264	201	290	261
Ammonia-N(mg/L)	00610	0.34	1.92	<0.10	2.39	0.21	2.01	0.27	0.10	<0.10	0.10	<0.10	0.93
Chlorophyll a(mg/m <sup>3</sup> )	32211		9.84	<1.00	<1.00	<1.00	1.22	1.87	6.68	2.74	9.34	<1.00	20.8
Pheophytin(mg/m <sup>3</sup> )	32218		2.44	<1.00	<1.00	<1.00	<1.00	<1.00	5.21	1.05	1.81	<1.0	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	1.20	3.60	0.49	1.22	0.80	2.30	0.37	1.50	0.84	1.62	1.14	2.22

\* Estimate due to high flows

Parameter	Date and 24 hour time												
	Parameter Code	7/24/17 1340	8/7/17 1348	9/7/17 1304	10/17/17 1318	11/14/17 1223	12/6/17 1235	1/23/18 1250	2/21/18 1329	3/13/18 1415	4/4/18 1250	5/8/18 1501	6/14/18 1530
Flow(cfs)	00061	1.3	32	65	5.6	5.3	8.4	8.3	12	6.5	173	27	1.8
E. coli(org/100mL)	31699	210	1600	83	920	130	2000	410	550	480	520	540	330
Suspended Solids(mg/L)	00530	10.9	19.0	9.25	3.30	11.7	11.0	2.40	9.30	8.80	47.1	62.7	15.6
Turbidity(NTU)	82079	9.3	26.7	6.4	4.8	10.2	8.2	4.8	7.2	9.7	23.7	44.8	12.2
pH	00400	7.6	7.7	7.5	7.6	7.7	7.7	7.7	7.6	7.8	7.5	8	7.6
Temperature(C)	00010	28.0	26.3	24.0	18.4	20.6	14.6	11.2	17.6	15.5	18.1	23.9	27.3
Dissolved Oxygen(mg/L)	00300	2.9	4.3	1.9	3.8	5.6	6.7	8.4	5.1	8.2	8.1	7.5	5.4
Conductivity(umhos/cm)	00094	1310	1330	501	1030	1140	1200	1140	1160	1180	561	759	1410
Total Phosphorus(mg/L)	00665	2.29	3.28	0.46	1.39	0.89	1.85	1.13	1.40	1.49	0.32	0.85	3.23
Nitrate-N(mg/L)	00620	9.14	1.99	0.45	1.34	5.96	4.50	8.10	5.90	9.41	1.38	5.42	21.10
Chloride(mg/L)	00940	188	175	26.4	121	152	182	149	152	157	41.2	82.3	211
Sulfate(mg/L)	00945	94.6	74.1	25.2	92.5	104	105	119	120	121	54.4	96.8	130
Total Hardness(mg/L)	00900	304	281	190	273	290	273	313	303	307	217	238	313
Ammonia-N(mg/L)	00610	3.31	21.2	<0.10	6.23	0.21		0.45	3.51	<0.10	0.37	<0.10	0.28
Chlorophyll a(mg/m <sup>3</sup> )	32211	6.73	10.5	24.1	<1.00	<1.00	<1.00	2.94	2.08	<1.00	8.06	17.4	1.78
Pheophytin(mg/m <sup>3</sup> )	32218	<1.00	<1.00	6.65	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.88	1.89	<1.00
Total Kjeldahl Nitrogen (mg/L)	00625	3.78	27.9	1.31	7.75	0.71		4.46	5.31	0.67	1.24	1.15	<2.0

\* Estimate due to high flows

Parameter	Date and 24 hour time	
	Parameter Code	7/10/18 915
Flow(cfs)	00061	312
E. coli(org/100mL)	31699	150
Suspended Solids(mg/L)	00530	42.2
Turbidity(NTU)	82079	34.3
pH	00400	8
Temperature(C)	00010	28.2
Dissolved Oxygen(mg/L)	00300	6.5
Conductivity(umhos/cm)	00094	607
Total Phosphorus(mg/L)	00665	0.12
Nitrate-N(mg/L)	00620	1.52
Chloride(mg/L)	00940	48.2
Sulfate(mg/L)	00945	38.8
Total Hardness(mg/L)	00900	236
Ammonia-N(mg/L)	00610	<0.10
Chlorophyll a(mg/m <sup>3</sup> )	32211	5.61
Pheophytin(mg/m <sup>3</sup> )	32218	1.85
Total Kjeldahl Nitrogen (mg/L)	00625	0.52

\* Estimate due to high flows

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