

# Appendix F

## HMS Model Parameters

Subwatershed	Subbasin	Area (sq.mi.)	Final Clarks Tc	Final Clarks R	Final CN	Final DCI (%)
Butterfield Creek	BC-01	1.006	2.71	5.08	76.0	3.31
Butterfield Creek	BC-02	0.837	2.61	4.90	75.5	2.46
Butterfield Creek	BC-03	0.604	1.19	2.23	74.4	0.07
Butterfield Creek	BC-04	1.652	2.13	3.99	71.2	2.68
Butterfield Creek	BC-05	0.507	1.45	2.72	72.2	5.40
Butterfield Creek	BC-06	1.777	2.42	4.54	69.3	0.83
Butterfield Creek	BC-07	2.196	3.86	7.24	71.7	5.51
Butterfield Creek	BC-08	0.521	1.23	2.30	73.7	6.05
Butterfield Creek	BC-09	0.235	0.76	1.42	76.3	6.94
Butterfield Creek	BC-10	0.329	1.13	2.12	78.6	13.35
Butterfield Creek	BC-11	1.090	1.58	2.97	72.5	4.77
Butterfield Creek	BC-12	0.593	0.82	1.54	70.4	1.95
Butterfield Creek	BC-13	0.120	0.68	1.27	69.7	2.99
Butterfield Creek	BC-14	0.429	1.46	2.74	73.5	6.87
Butterfield Creek	BC-15	0.155	1.27	2.38	66.1	0.95
Butterfield Creek	BC-16	0.606	1.10	2.06	70.5	3.93
Butterfield Creek	BC-17	0.670	0.94	1.75	70.0	4.74
Butterfield Creek	BC-18	0.085	0.93	1.75	65.6	4.33
Butterfield Creek	BC-19	0.178	0.67	1.25	72.0	7.47
Butterfield Creek	BC-20	0.900	1.38	2.59	72.5	10.79
Butterfield Creek	BC-21	0.294	1.28	2.41	72.1	9.04
Butterfield Creek	BC-22	0.101	0.65	1.22	71.1	11.21
Butterfield Creek	BC-EB-01	0.409	1.53	2.87	77.7	1.27
Butterfield Creek	BC-EB-02	0.086	0.51	0.95	74.8	4.22
Butterfield Creek	BC-EB-03	0.191	1.12	2.10	68.9	1.22
Butterfield Creek	BC-EB-04	0.769	1.65	3.09	74.7	10.49
Butterfield Creek	BC-EB-05	0.263	0.89	1.66	71.1	4.03
Butterfield Creek	BC-EB-06	0.151	1.50	2.82	72.1	4.63
Butterfield Creek	BC-EB-07	1.537	2.63	4.94	76.8	15.74
Butterfield Creek	BC-EB-08	0.118	0.89	1.67	84.4	33.06
Butterfield Creek	BC-EB-09	0.039	0.37	0.69	81.6	27.32
Butterfield Creek	BC-EB-10	0.088	0.48	0.89	76.3	10.40
Butterfield Creek	BC-EB-TA-01	0.130	0.78	1.47	75.6	1.98
Butterfield Creek	BC-EB-TA-02	0.037	0.87	1.63	71.6	5.34
Butterfield Creek	BC-EB-TR-01	0.273	0.82	1.53	79.2	4.46
Butterfield Creek	BC-EB-TR-02	0.666	1.53	2.87	75.7	1.53
Butterfield Creek	BC-EB-TR-03	0.067	0.58	1.09	74.7	10.55
Butterfield Creek	BC-EB-TR-04	0.116	0.66	1.23	75.4	6.07
Butterfield Creek	BC-EB-TR-05	0.165	1.24	2.32	72.6	7.82
Butterfield Creek	BC-EB-TR-06	0.859	1.97	3.69	73.7	6.07
Butterfield Creek	BC-EB-TR-07	0.250	1.24	2.33	69.9	2.33
Butterfield Creek	BC-EB-UTL-01	0.168	1.66	3.11	78.2	10.11

Subwatershed	Subbasin	Area (sq.mi.)	Final Clarks Tc	Final Clarks R	Final CN	Final DCI (%)
Butterfield Creek	BC-EB-UTL-02	0.222	1.07	2.00	74.0	8.85
Butterfield Creek	BC-EB-UTS-01	0.443	0.91	1.71	77.8	4.20
Butterfield Creek	BC-EB-UTS-02	0.034	1.11	2.09	73.4	3.84
Butterfield Creek	BC-T1-01	0.607	1.38	2.59	73.5	7.27
Butterfield Creek	BC-T1-02	0.088	0.86	1.62	72.2	4.83
Butterfield Creek	BC-T3-01	0.317	0.85	1.58	75.0	8.44
Butterfield Creek	BC-T3-02	0.096	0.61	1.14	73.8	7.03
Butterfield Creek	BC-T3-03	0.386	1.19	2.23	74.1	7.70
Butterfield Creek	BC-T3-04	0.015	0.57	1.06	72.2	5.40
Butterfield Creek	BC-T4-01	0.140	0.79	1.48	78.8	17.76
Butterfield Creek	BC-T4-02	0.122	0.78	1.46	75.8	7.63
Butterfield Creek	BC-T4-03	0.049	0.55	1.04	74.1	5.70
Butterfield Creek	BC-UTC-01	0.369	2.33	4.36	75.5	9.23
Butterfield Creek	BC-UTC-02	0.365	1.21	2.27	73.5	3.38
Butterfield Creek	BC-UTH-01	1.237	2.00	3.74	69.8	6.02
Butterfield Creek	BC-UTH-02	0.091	0.86	1.61	65.1	11.39
Cady Marsh Ditch	CM-01	0.681	2.12	3.98	49.9	5.01
Cady Marsh Ditch	CM-02	1.561	2.50	4.70	44.9	3.06
Cady Marsh Ditch	CM-03	2.544	3.65	6.84	45.8	2.85
Cady Marsh Ditch	CM-04	3.579	5.48	10.27	58.0	5.97
Cady Marsh Ditch	CM-05	0.492	3.19	5.98	52.0	7.79
Cady Marsh Ditch	CM-06	0.273	1.13	2.11	49.8	5.47
Cady Marsh Ditch	CM-SD-01	7.121	5.17	9.69	59.4	5.74
Cal Union Drainage Ditch	CU-01	0.374	1.22	2.29	73.3	17.68
Cal Union Drainage Ditch	CU-02	0.209	0.82	1.55	65.0	6.65
Cal Union Drainage Ditch	CU-03	0.055	1.06	1.99	61.8	11.98
Cal Union Drainage Ditch	CU-04	2.126	3.07	5.76	67.0	8.71
Cal Union Drainage Ditch	CU-05	0.415	1.21	2.26	66.2	4.06
Cal Union Drainage Ditch	CU-06	0.214	1.66	3.11	71.3	14.91
Cal Union Drainage Ditch	CU-07	0.295	1.91	3.58	70.2	11.14
Cal Union Drainage Ditch	CU-08	0.405	1.85	3.46	76.5	0.01
Cal Union Drainage Ditch	CU-09	0.138	1.47	2.75	71.0	12.40
Cal Union Drainage Ditch	CU-10	0.642	2.36	4.42	71.1	17.95
Cal Union Drainage Ditch	CU-11	0.360	2.17	4.06	74.1	24.22
Cal Union Drainage Ditch	CU-12	0.504	2.41	4.53	70.8	12.84
Cal Union Drainage Ditch	CU-13	0.399	1.84	3.46	71.1	13.72
Cal Union Drainage Ditch	CU-14	0.413	1.81	3.40	72.2	17.84
Cal Union Drainage Ditch	CU-BC-01	0.128	1.65	3.10	60.6	4.65
Cal Union Drainage Ditch	CU-BC-02	0.399	2.12	3.97	59.2	2.50
Cal Union Drainage Ditch	CU-BC-03	0.286	2.05	3.85	65.2	6.71
Cal Union Drainage Ditch	CU-CC-01	0.299	0.99	1.85	66.5	5.92
Cal Union Drainage Ditch	CU-CC-02	1.271	2.48	4.66	67.0	7.10
Cal Union Drainage Ditch	CU-CC-03	0.222	1.73	3.25	63.5	5.55
Cal Union Drainage Ditch	CU-CC-04	0.588	2.27	4.25	67.1	13.06
Cal Union Drainage Ditch	CU-CE-01	0.367	1.16	2.18	68.6	3.14
Cal Union Drainage Ditch	CU-CE-02	0.019	0.38	0.71	78.7	31.32

Subwatershed	Subbasin	Area (sq.mi.)	Final Clarks Tc	Final Clarks R	Final CN	Final DCI (%)
Cal Union Drainage Ditch	CU-CE-03	0.080	0.61	1.15	73.2	19.46
Cal Union Drainage Ditch	CU-CE-04	0.024	0.36	0.68	78.1	25.75
Cal Union Drainage Ditch	CU-CE-05	0.019	0.62	1.16	72.6	12.48
Cal Union Drainage Ditch	CU-CE-06	0.334	1.06	1.99	71.1	9.88
Cal Union Drainage Ditch	CU-CE-07	0.920	1.69	3.17	68.5	6.03
Cal Union Drainage Ditch	CU-CE-08	0.030	0.31	0.57	67.4	4.64
Cal Union Drainage Ditch	CU-CET-01	0.276	0.93	1.74	71.9	10.25
Cal Union Drainage Ditch	CU-CET-02	0.075	1.66	3.11	72.7	14.60
Cal Union Drainage Ditch	CU-CN-01	1.869	3.17	5.94	70.6	10.74
Cal Union Drainage Ditch	CU-CN-02	0.108	1.83	3.44	75.5	8.41
Cal Union Drainage Ditch	CU-CN-04	0.937	2.41	4.52	72.1	20.45
Cal Union Drainage Ditch	CU-CW-01	0.183	0.87	1.64	71.4	6.06
Cal Union Drainage Ditch	CU-CW-02	0.476	1.31	2.45	71.3	5.81
Cal Union Drainage Ditch	CU-CW-03	0.034	0.25	0.47	76.7	14.32
Cal Union Drainage Ditch	CU-CW-04	0.299	0.62	1.17	71.1	10.85
Cal Union Drainage Ditch	CU-CW-05	0.300	0.92	1.72	70.5	10.01
Cal Union Drainage Ditch	CU-CW-06	0.152	0.74	1.39	68.6	5.49
Cal Union Drainage Ditch	CU-CWT-01	0.162	0.95	1.78	69.6	5.41
Cal Union Drainage Ditch	CU-CWT-02	0.346	0.74	1.38	72.1	7.50
Cal Union Drainage Ditch	CU-DC-01	0.198	2.36	4.43	60.5	1.72
Cal Union Drainage Ditch	CU-DC-02	0.048	0.91	1.71	65.8	0.52
Cal Union Drainage Ditch	CU-I57-01	1.354	1.95	3.66	69.6	9.40
Cal Union Drainage Ditch	CU-I57-02	0.112	1.39	2.60	62.5	2.26
Cal Union Drainage Ditch	CU-PC-01	0.401	2.14	4.01	60.4	5.03
Cal Union Drainage Ditch	CU-PC-02	0.236	2.00	3.76	61.0	2.62
Cal Union Drainage Ditch	CU-PC-03	1.458	3.10	5.81	62.7	3.71
Cal Union Drainage Ditch	CU-SW-01	0.626	1.06	1.99	71.6	5.59
Cal Union Drainage Ditch	CU-SW-02	0.175	1.19	2.24	70.8	9.86
Cal Union Drainage Ditch	CU-SW-03	0.177	0.85	1.60	69.7	6.42
Cal Union Drainage Ditch	CU-SW-04	0.113	0.64	1.21	69.3	6.13
Cal Union Drainage Ditch	CU-SW-05	0.227	0.66	1.24	69.3	5.96
Cal Union Drainage Ditch	CU-SW-06	0.590	1.07	2.01	70.2	9.59
Cal Union Drainage Ditch	CU-SW-07	0.434	1.45	2.71	66.7	6.01
Cal Union Drainage Ditch	CU-SW-08	0.289	1.52	2.84	67.8	4.84
Cal Union Drainage Ditch	CU-SW-09	0.111	1.51	2.84	63.6	8.35
Cal Union Drainage Ditch	CU-SWN-01	0.372	0.80	1.50	71.2	2.64
Cal Union Drainage Ditch	CU-SWN-02	0.043	0.57	1.07	70.2	2.26
Cal Union Drainage Ditch	CU-SWN-03	0.454	1.59	2.97	69.2	6.18
Cal Union Drainage Ditch	CU-SWS-02	0.179	0.71	1.33	71.4	6.07
Cal Union Drainage Ditch	CU-SWS-03	0.397	1.13	2.12	72.5	10.92
Deer Creek	DC-01	5.052	3.56	6.68	73.4	1.19
Deer Creek	DC-02	2.209	2.76	5.18	72.1	4.12
Deer Creek	DC-03	8.427	3.47	6.51	72.7	3.09
Deer Creek	DC-04	0.428	0.56	1.05	71.5	3.85
Deer Creek	DC-05	0.599	1.30	2.43	70.7	3.65
Deer Creek	DC-06	0.150	0.45	0.84	75.4	11.82

Subwatershed	Subbasin	Area (sq.mi.)	Final Clarks Tc	Final Clarks R	Final CN	Final DCI (%)
Deer Creek	DC-07	0.281	0.92	1.72	72.6	7.56
Deer Creek	DC-08	0.154	1.02	1.92	72.4	2.85
Deer Creek	DC-09	0.178	1.21	2.27	73.3	6.33
Deer Creek	DC-10	0.288	1.34	2.51	78.8	16.53
Deer Creek	DC-11	0.049	0.95	1.78	72.2	1.79
Deer Creek	DC-12	0.083	1.47	2.76	71.4	4.23
Deer Creek	DC-13	0.437	1.51	2.84	75.1	12.81
Deer Creek	DC-14	0.335	3.09	5.79	74.2	1.47
Deer Creek	DC-15	0.784	3.69	6.93	75.0	3.68
Deer Creek	DC-16	0.283	1.81	3.40	74.8	0.87
Deer Creek	DC-17	0.334	3.94	7.39	71.5	2.41
Deer Creek	DC-18	0.291	1.71	3.21	66.8	0.53
Deer Creek	DC-19	0.174	1.63	3.05	68.4	0.52
Deer Creek	DC-MT-01	0.626	0.91	1.70	72.0	5.28
Deer Creek	DC-T1-01	0.240	0.79	1.48	71.5	11.00
Deer Creek	DC-T1-02	0.233	1.14	2.13	72.0	2.67
Deer Creek	DC-T1-03	0.334	1.37	2.57	73.3	7.60
Deer Creek	DC-TB-01	0.750	0.83	1.55	73.6	4.43
Deer Creek	DC-TB-02	0.340	0.89	1.67	72.8	2.57
Deer Creek	DC-TB-03	0.380	1.19	2.23	75.9	7.65
Deer Creek	DC-TB-04	0.509	1.48	2.78	73.9	1.98
Deer Creek	DC-TB-05	0.105	1.14	2.14	78.5	7.71
Deer Creek	DC-TB-T1-01	0.417	1.04	1.96	70.4	3.11
Deer Creek	DC-TB-T1-02	0.257	1.05	1.96	72.1	4.48
Deer Creek	DC-TC-01	0.589	2.85	5.34	72.1	5.47
Deer Creek	DC-TC-02	0.585	8.02	15.04	71.6	4.00
Deer Creek	DC-TC-03	0.450	5.31	9.96	74.3	10.46
Deer Creek	DC-TC-04	0.612	3.71	6.95	71.1	3.51
Hart Ditch	HD-01	1.106	3.14	5.89	75.8	5.42
Hart Ditch	HD-02	0.402	2.65	4.98	80.0	5.03
Hart Ditch	HD-03	3.954	6.87	12.88	70.1	5.23
Hart Ditch	HD-04	0.138	2.05	3.85	47.6	4.28
Hart Ditch	HD-05	0.021	5.13	9.62	61.0	1.85
Hart Ditch	HD-DD-01	9.738	4.03	7.55	67.2	4.18
Hart Ditch	HD-SD-01	1.637	7.51	14.08	52.6	8.03
Little Calumet River	LC-DR-01	4.817	3.56	6.67	71.1	2.44
Little Calumet River	LC-DR-02	5.541	4.37	8.20	64.5	2.16
Little Calumet River	LC-DR-03	3.532	8.06	15.12	49.2	2.29
Little Calumet River	LC-DR-04	3.326	2.38	4.46	73.3	2.88
Little Calumet River	LC-DR-05	13.227	14.08	26.40	69.9	3.09
Little Calumet River	LC-DR-06	4.482	2.94	5.51	75.5	6.54
Little Calumet River	LC-DR-07	4.219	3.80	7.12	73.2	4.43
Little Calumet River	LC-DR-08	4.192	5.47	10.26	77.1	0.37
Little Calumet River	LC-DR-09	4.926	4.45	8.35	67.9	0.58
Little Calumet River	LC-DR-10	14.294	10.45	19.59	72.8	3.42
Little Calumet River	LC-DR-11	3.049	5.05	9.48	72.9	1.98

Subwatershed	Subbasin	Area (sq.mi.)	Final Clarks Tc	Final Clarks R	Final CN	Final DCI (%)
Little Calumet River	LC-DR-12	2.062	3.67	6.89	77.5	0.47
Little Calumet River	LC-DR-13	12.747	27.87	52.26	73.2	0.35
Little Calumet River	LC-DR-14	4.144	5.19	9.74	75.4	0.60
Little Calumet River	LC-DR-15	4.655	2.64	4.94	73.9	1.25
Little Calumet River	LC-DR-16	15.203	5.24	9.82	68.5	0.43
Little Calumet River	LC-DR-17	6.480	6.31	11.83	68.5	0.46
Little Calumet River	LC-DR-18	5.736	3.61	6.76	74.1	4.28
Little Calumet River	LC-DR-19	1.163	2.82	5.29	70.3	0.67
Little Calumet River	LC-DR-20	14.944	3.63	6.81	71.1	0.88
Little Calumet River	LC-DR-21	6.199	7.47	14.01	73.1	2.40
Little Calumet River	LC-DR-22	11.123	12.00	22.51	62.4	3.38
Little Calumet River	LC-E-01	1.109	2.64	4.96	68.7	5.20
Little Calumet River	LC-E-02	0.223	1.07	2.00	56.9	4.78
Little Calumet River	LC-E-03	2.479	2.49	4.66	62.6	2.74
Little Calumet River	LC-E-04	0.799	2.16	4.05	78.2	0.30
Little Calumet River	LC-E-05	0.395	1.63	3.05	73.3	0.77
Little Calumet River	LC-E-06	0.153	1.25	2.34	81.7	2.31
Little Calumet River	LC-E-07	4.244	3.64	6.83	61.7	4.68
Little Calumet River	LC-E-08	0.139	1.15	2.17	75.1	4.34
Little Calumet River	LC-E-09	5.995	10.11	18.96	63.3	4.32
Little Calumet River	LC-E-10	9.460	7.59	14.22	64.3	3.10
Little Calumet River	LC-E-11	3.228	3.63	6.81	54.9	3.35
Little Calumet River	LC-E-12	3.073	4.37	8.19	50.2	5.02
Little Calumet River	LC-EA-01	8.915	3.38	6.33	61.1	0.27
Little Calumet River	LC-EA-02	3.737	1.90	3.56	61.5	0.34
Little Calumet River	LC-EA-03	5.375	1.90	3.56	62.8	0.32
Little Calumet River	LC-EA-04	10.513	13.22	24.79	68.5	0.83
Little Calumet River	LC-EA-05	15.175	3.75	7.04	68.3	0.48
Little Calumet River	LC-EA-06	5.114	2.30	4.31	65.5	0.80
Little Calumet River	LC-EA-07	0.801	1.10	2.05	68.4	2.24
Little Calumet River	LC-EA-08	17.776	4.71	8.83	63.2	0.79
Little Calumet River	LC-EA-09	2.060	2.92	5.48	69.5	2.98
Little Calumet River	LC-EA-10	7.074	7.40	13.87	68.6	5.11
Little Calumet River	LC-EA-11	1.427	0.97	1.82	58.3	4.05
Little Calumet River	LC-EID-01	1.331	3.98	7.46	66.1	7.20
Little Calumet River	LC-EID-02	0.421	1.45	2.72	58.4	4.35
Little Calumet River	LC-EID-03	0.188	4.14	7.77	74.9	4.92
Little Calumet River	LC-EID-04	2.146	6.93	12.99	67.4	7.13
Little Calumet River	LC-EID-05	1.057	2.08	3.90	69.1	7.84
Little Calumet River	LC-EID-06	0.226	1.38	2.58	70.2	4.28
Little Calumet River	LC-EID-07	0.526	1.37	2.57	72.9	2.83
Little Calumet River	LC-EID-08	0.580	2.14	4.00	66.0	8.78
Little Calumet River	LC-EID-09	1.878	5.14	9.63	58.8	4.69
Little Calumet River	LC-EID-10	1.105	2.68	5.03	56.0	3.07
Little Calumet River	LC-EID-11	0.827	2.24	4.20	62.6	4.05
Little Calumet River	LC-EID-12	0.755	1.27	2.38	64.1	5.49

Subwatershed	Subbasin	Area (sq.mi.)	Final Clarks Tc	Final Clarks R	Final CN	Final DCI (%)
Little Calumet River	LC-EID-13	0.197	6.19	11.60	77.2	15.16
Little Calumet River	LC-EID-14	0.289	26.64	49.95	61.7	1.20
Little Calumet River	LC-EID-15	1.459	1.67	3.12	60.6	6.54
Little Calumet River	LC-EID-16	1.377	2.77	5.20	57.2	6.02
Little Calumet River	LC-SC-01	7.949	4.51	8.46	70.8	4.60
Little Calumet River	LC-SC-02	10.281	5.48	10.27	64.1	0.51
Little Calumet River	LC-SC-03	9.406	2.25	4.22	67.9	2.45
Little Calumet River	LC-SC-04	12.317	3.71	6.95	67.0	0.55
Little Calumet River	LC-SC-05	11.833	2.16	4.05	67.9	0.68
Little Calumet River	LC-SC-06	14.168	3.76	7.04	70.8	0.81
Little Calumet River	LC-SC-07	13.694	5.63	10.56	67.8	2.39
Little Calumet River	LC-SC-08	1.458	1.78	3.34	59.6	2.11
Little Calumet River	LC-TA-01	0.700	2.87	5.38	78.1	10.55
Little Calumet River	LC-TA-02	0.613	2.74	5.13	78.8	10.40
Little Calumet River	LC-W-01	0.093	2.28	4.27	71.5	3.09
Little Calumet River	LC-W-02	0.229	2.92	5.47	76.1	6.81
Little Calumet River	LC-W-03	0.216	4.26	7.99	75.4	5.54
Little Calumet River	LC-W-04	0.068	1.19	2.24	82.3	26.93
Little Calumet River	LC-W-05	0.096	1.04	1.94	76.5	12.14
Little Calumet River	LC-W-06	0.213	2.79	5.23	77.5	10.96
Little Calumet River	LC-W-07	2.410	4.58	8.59	73.2	15.07
Little Calumet River	LC-W-08	0.146	0.88	1.64	73.0	3.23
Little Calumet River	LC-W-09	1.166	3.13	5.86	66.5	4.59
Little Calumet River	LC-W-10	0.832	3.04	5.71	79.0	11.08
Little Calumet River	LC-W-11	0.404	2.05	3.85	78.0	8.04
Little Calumet River	LC-W-12	0.082	2.00	3.75	84.8	4.33
Little Calumet River	LC-W-13	0.037	27.75	52.03	80.0	0.00
Little Calumet River	LC-W-14	0.074	1.89	3.54	80.7	0.99
Little Calumet River	LC-W-15	0.063	5.88	11.03	84.6	0.51
Little Calumet River	LC-WCSO-01	2.718	2.58	4.84	74.2	12.12
Little Calumet River	LC-WCSO-02	0.499	1.63	3.05	77.9	10.21
Little Calumet River	LC-WCSO-03	0.286	1.45	2.71	71.4	9.58
Little Calumet River	LC-WCSO-04	0.168	1.27	2.37	78.9	11.82
Little Calumet River	LC-WCSO-05	0.113	1.19	2.23	80.4	21.70
Little Calumet River	LC-WCSO-06	1.546	2.66	4.98	79.9	12.70
Little Calumet River	LC-WCSO-07	0.019	0.91	1.70	75.9	5.49
Little Calumet River	LC-WCSO-08	0.418	1.97	3.69	82.2	20.44
Little Calumet River	LC-WCSO-09	0.188	1.49	2.79	77.5	4.28
Little Calumet River	LC-WCSO-10	0.553	1.80	3.38	80.6	6.37
Little Calumet River	LC-WCSO-11	0.051	0.84	1.58	78.3	2.37
Little Calumet River	LC-WCSO-12	0.538	1.61	3.02	78.6	10.96
Little Calumet River	LC-WCSO-13	0.153	1.18	2.22	79.9	17.11
Little Calumet River	LC-WCSO-14	0.068	0.79	1.48	76.4	6.21
Little Calumet River	LC-WCSO-15	0.095	0.82	1.53	82.1	25.26
Little Calumet River	LC-WCSO-16	0.378	1.46	2.73	77.9	8.88
Little Calumet River	LC-WCSO-17	0.042	1.03	1.92	77.0	6.00

Subwatershed	Subbasin	Area (sq.mi.)	Final Clarks Tc	Final Clarks R	Final CN	Final DCI (%)
Little Calumet River	LC-WCSO-18	0.055	0.91	1.71	84.2	21.25
Little Calumet River	LC-WCSO-19	0.891	1.90	3.57	77.7	7.00
Little Calumet River	LC-WCSO-20	1.051	2.14	4.02	81.2	15.65
Little Calumet River	LC-WCSO-21	0.741	1.88	3.53	79.2	12.89
Little Calumet River	LC-WCSO-22	1.883	2.10	3.94	77.4	9.77
Little Calumet River	LC-WCSO-23	1.388	2.15	4.03	79.3	9.54
Little Calumet River	LC-WCSO-24	1.476	2.05	3.84	79.4	6.16
Little Calumet River	LC-WCSO-25	1.061	1.89	3.54	79.3	12.74
Little Calumet River	LC-WCSO-26	1.024	1.86	3.48	79.1	11.58
Little Calumet River	LC-WCSO-27	0.498	1.55	2.91	73.9	6.22
Little Calumet River	LC-WID-01	0.228	0.79	1.48	62.8	4.74
Little Calumet River	LC-WID-02	1.205	5.70	10.69	57.3	5.35
Little Calumet River	LC-WID-03	0.990	2.82	5.29	70.3	7.15
Little Calumet River	LC-WID-04	0.785	3.46	6.48	61.8	7.99
Little Calumet River	LC-WID-05	0.822	5.69	10.66	65.2	6.54
Little Calumet River	LC-WID-06	0.578	2.86	5.36	64.7	6.51
Little Calumet River	LC-WID-07	0.521	3.43	6.42	63.3	5.02
Midlothian Creek	MC-01	0.951	2.28	4.28	72.1	2.40
Midlothian Creek	MC-02	0.051	0.43	0.81	71.0	11.05
Midlothian Creek	MC-03	0.223	1.29	2.42	71.0	8.65
Midlothian Creek	MC-04	0.847	1.75	3.27	68.7	5.31
Midlothian Creek	MC-05	0.075	0.57	1.07	73.5	16.99
Midlothian Creek	MC-06	0.199	0.89	1.67	69.3	7.28
Midlothian Creek	MC-07	0.535	2.77	5.19	69.5	5.88
Midlothian Creek	MC-08	0.221	1.17	2.19	69.7	10.35
Midlothian Creek	MC-09	0.146	0.98	1.84	72.4	12.15
Midlothian Creek	MC-10	0.896	3.09	5.80	69.1	7.14
Midlothian Creek	MC-11	0.306	0.74	1.38	65.3	2.03
Midlothian Creek	MC-12	0.118	0.70	1.32	62.6	0.38
Midlothian Creek	MC-13	0.310	0.98	1.84	63.5	0.68
Midlothian Creek	MC-14	0.282	0.91	1.70	69.7	0.43
Midlothian Creek	MC-15	0.098	0.62	1.16	65.0	2.58
Midlothian Creek	MC-16	0.128	0.44	0.83	70.8	10.89
Midlothian Creek	MC-17	0.250	0.76	1.43	69.2	14.46
Midlothian Creek	MC-18	0.437	1.46	2.75	71.1	9.92
Midlothian Creek	MC-19	0.463	1.73	3.24	69.0	7.02
Midlothian Creek	MC-20	0.056	1.36	2.56	79.0	26.43
Midlothian Creek	MC-21	0.168	1.14	2.13	69.3	3.70
Midlothian Creek	MC-22	0.408	3.16	5.92	69.9	7.56
Midlothian Creek	MC-23	0.293	3.48	6.52	70.8	7.03
Midlothian Creek	MC-24	1.314	4.69	8.80	69.9	7.90
Midlothian Creek	MC-76A-01	0.735	3.76	7.06	69.5	7.88
Midlothian Creek	MC-76A-02	0.870	2.80	5.26	73.2	16.25
Midlothian Creek	MC-76A-03	0.397	1.86	3.48	67.6	5.68
Midlothian Creek	MC-FP-01	0.636	1.25	2.34	71.9	13.12
Midlothian Creek	MC-FP-02	0.304	1.36	2.54	67.5	13.12

Subwatershed	Subbasin	Area (sq.mi.)	Final Clarks Tc	Final Clarks R	Final CN	Final DCI (%)
Midlothian Creek	MC-NC-01	0.941	1.06	1.99	66.2	4.73
Midlothian Creek	MC-NC-02	0.385	1.15	2.15	68.4	8.26
Midlothian Creek	MC-NC-03	0.881	1.77	3.31	70.3	9.87
Midlothian Creek	MC-NC-04	0.284	1.31	2.45	69.0	6.70
Midlothian Creek	MC-NC-05	0.147	1.02	1.92	69.0	7.22
Midlothian Creek	MC-NC-06	0.117	0.68	1.28	71.2	10.83
Midlothian Creek	MC-NC-07	0.216	1.60	3.01	70.6	9.70
Midlothian Creek	MC-NC-08	0.251	4.67	8.75	69.3	7.08
Midlothian Creek	MC-TL-01	1.079	1.34	2.52	68.9	4.47
Midlothian Creek	MC-TL-02	0.448	1.07	2.01	68.2	5.56
Midlothian Creek	MC-UT-01	0.672	1.49	2.79	69.7	5.65
Midlothian Creek	MC-WB-01	0.407	0.86	1.62	66.0	2.66
Midlothian Creek	MC-WB-02	0.156	1.66	3.12	68.1	6.26
Midlothian Creek	MC-WT-01	0.494	1.10	2.06	71.4	9.33
Midlothian Creek	MC-WT-02	0.071	0.49	0.93	72.7	5.20
Midlothian Creek	MC-WT-03	0.190	2.14	4.01	69.3	4.70
Midlothian Creek	MC-WT-04	0.118	0.96	1.80	70.8	4.09
Midlothian Creek	MC-WT-05	0.080	0.79	1.48	70.4	8.80
North Creek	NC-01	0.193	1.30	2.45	74.3	5.69
North Creek	NC-02	0.205	3.65	6.84	59.2	6.58
North Creek	NC-03	0.152	5.07	9.51	67.9	5.68
North Creek	NC-04	0.321	1.66	3.10	69.2	5.09
North Creek	NC-05	0.274	2.68	5.03	71.4	5.11
North Creek	NC-06	0.369	2.36	4.43	66.8	2.40
North Creek	NC-07	2.807	3.51	6.58	66.5	4.33
North Creek	NC-08	0.858	1.78	3.35	69.2	5.83
North Creek	NC-09	0.677	2.83	5.31	57.5	2.27
North Creek	NC-10	0.367	4.30	8.06	62.9	0.29
North Creek	NC-11	0.387	1.56	2.93	57.4	0.00
North Creek	NC-LD-01	0.341	0.48	0.90	71.4	0.56
North Creek	NC-LD-02	0.432	1.10	2.05	72.5	5.55
North Creek	NC-LD-03	0.489	1.51	2.84	75.2	9.72
North Creek	NC-LD-04	0.146	1.74	3.26	69.3	1.22
North Creek	NC-LD-05	0.005	0.62	1.17	72.0	0.00
North Creek	NC-LD-06	0.287	2.45	4.59	67.9	4.60
North Creek	NC-LD-07	0.417	2.67	5.00	76.5	12.94
North Creek	NC-LD-08	0.296	2.94	5.52	78.1	10.93
North Creek	NC-LD-09	1.469	5.60	10.50	74.8	2.90
North Creek	NC-LD-10	1.804	2.99	5.61	75.2	3.74
North Creek	NC-LD-11	0.655	7.98	14.95	72.1	8.75
North Creek	NC-LD-East-01	1.232	1.24	2.32	72.4	0.98
North Creek	NC-LD-East-02	0.214	0.75	1.41	68.3	1.33
North Creek	NC-LD-East-03	0.145	1.06	1.98	67.3	0.03
North Creek	NC-LD-East-04	0.434	1.05	1.96	70.9	3.22
North Creek	NC-LD-East-05	0.445	1.55	2.90	73.2	4.44
North Creek	NC-LD-Lyn-02	0.172	2.10	3.95	73.4	0.81



Subwatershed	Subbasin	Area (sq.mi.)	Final Clarks Tc	Final Clarks R	Final CN	Final DCI (%)
North Creek	NC-LD-Lyn-03	1.117	3.72	6.98	70.6	3.14
North Creek	NC-LD-Lyn-04	1.301	4.45	8.34	73.9	5.95
North Creek	NC-LD-Torr-01	1.948	2.98	5.58	73.9	3.51
North Creek	NC-LD-Torr-02	0.630	5.00	9.38	75.6	3.17
North Creek	NC-LD-Torr-03	0.209	2.96	5.55	80.8	4.20
North Creek	NC-LD-TribA-01	0.339	0.87	1.64	66.3	0.54
North Creek	NC-LD-TribA-02	0.364	1.38	2.59	68.0	2.99
North Creek	NC-LD-TribA-03	0.105	0.68	1.27	67.5	3.07
North Creek	NC-LD-West-01	0.518	1.86	3.49	73.7	6.38
North Creek	NC-LD-West-02	0.168	1.17	2.19	74.1	4.40
Plum Creek	PC-01	10.285	6.05	11.35	78.7	0.68
Plum Creek	PC-02	4.817	2.93	5.49	75.8	5.54
Plum Creek	PC-03	4.439	3.55	6.66	75.1	1.33
Plum Creek	PC-04	2.043	2.44	4.58	76.5	0.74
Plum Creek	PC-05	4.286	4.27	8.00	72.9	1.26
Plum Creek	PC-06	4.580	2.72	5.10	76.3	2.21
Plum Creek	PC-07	1.899	1.44	2.69	75.7	3.58
Plum Creek	PC-08	3.519	7.77	14.57	71.9	1.92
Plum Creek	PC-09	1.524	2.85	5.35	71.0	1.98
Thorn Creek	TC-01	4.224	3.14	5.88	77.1	7.38
Thorn Creek	TC-02	2.364	1.75	3.29	71.8	3.42
Thorn Creek	TC-03	0.120	0.42	0.79	71.0	3.21
Thorn Creek	TC-04	1.498	1.36	2.54	68.7	2.82
Thorn Creek	TC-05	0.506	1.43	2.68	68.6	0.19
Thorn Creek	TC-06	0.410	0.99	1.86	69.9	3.48
Thorn Creek	TC-07	0.380	0.83	1.56	71.2	6.99
Thorn Creek	TC-08	1.128	1.82	3.41	75.2	12.29
Thorn Creek	TC-09	0.339	1.29	2.42	71.4	6.87
Thorn Creek	TC-10	0.107	2.01	3.76	65.5	0.54
Thorn Creek	TC-11	0.201	1.12	2.10	66.2	0.74
Thorn Creek	TC-12	0.557	3.30	6.19	67.8	4.40
Thorn Creek	TC-13	0.201	0.63	1.18	61.9	1.82
Thorn Creek	TC-14	1.414	1.80	3.37	67.1	6.27
Thorn Creek	TC-15	0.455	1.88	3.53	66.5	1.04
Thorn Creek	TC-16	0.501	1.33	2.50	70.7	7.74
Thorn Creek	TC-17	0.541	1.25	2.34	59.9	1.49
Thorn Creek	TC-18	1.002	1.76	3.30	69.8	3.18
Thorn Creek	TC-19	0.792	1.39	2.61	71.9	7.66
Thorn Creek	TC-20	0.458	2.09	3.93	74.2	7.77
Thorn Creek	TC-TA-01	2.091	2.14	4.01	73.6	8.82
Thorn Creek	TC-TA-02	0.475	1.16	2.17	76.3	13.95
Thorn Creek	TC-TA-03	0.277	1.28	2.40	73.6	13.85
Thorn Creek	TC-TA-04	0.018	0.10	0.19	70.2	6.71
Thorn Creek	TC-TA-05	0.137	0.44	0.82	68.8	1.60
Thorn Creek	TC-TA-06	0.529	1.60	3.00	73.4	8.23
Thorn Creek	TC-TA-07	0.139	1.01	1.90	77.7	7.75

<b>Subwatershed</b>	<b>Subbasin</b>	<b>Area (sq.mi.)</b>	<b>Final Clarks Tc</b>	<b>Final Clarks R</b>	<b>Final CN</b>	<b>Final DCI (%)</b>
Thorn Creek	TC-TA-08	1.572	1.47	2.75	76.0	15.75
Thorn Creek	TC-TA-09	0.500	4.06	7.61	78.3	21.34
Thorn Creek	TC-TB-01	0.461	1.32	2.48	79.1	20.67
Thorn Creek	TC-TB-02	0.068	0.68	1.28	70.0	3.76
Thorn Creek	TC-TB-03	0.039	0.26	0.49	72.6	6.52
Thorn Creek	TC-TB-04	0.491	1.05	1.97	73.8	8.69
Thorn Creek	TC-TB-05	0.110	0.81	1.52	74.1	7.54
Thorn Creek	TC-TB-06	0.960	1.62	3.04	75.9	14.78
Thorn Creek	TC-TC-01	0.485	2.19	4.11	74.6	10.22
Thorn Creek	TC-TC-02	0.152	0.87	1.64	72.5	9.70
Thorn Creek	TC-TC-03	0.287	1.51	2.83	71.3	7.95
Thorn Creek	TC-TD-01	1.461	1.91	3.58	73.2	5.72
Thorn Creek	TC-TD-02	0.105	0.66	1.23	64.3	2.41
Thorn Creek	TC-TD-03	0.117	0.84	1.57	70.0	5.26
Thorn Creek	TC-TD-04	0.257	1.22	2.28	77.5	12.93
Thorn Creek	TC-TD-05	0.315	1.34	2.52	76.7	19.36
Thorn Creek	TC-TD-06	0.104	2.04	3.83	69.5	2.83
Thorn Creek	TC-TD-TA-01	1.008	2.43	4.56	76.7	5.68
Thorn Creek	TC-TD-TA-02	0.353	1.28	2.40	79.8	19.11
Thorn Creek	TC-TE-01	1.153	1.36	2.55	68.7	2.77
Thorn Creek	TC-TE-02	0.031	0.31	0.58	67.7	1.36