

## WATER RESOURCES OF THE BLACK RIVER BASIN SOUTHEASTERN MICHIGAN

By  
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### PHYSIOGRAPHIC DATA FOR SELECTED LOCATIONS IN THE BLACK RIVER BASIN

The accompanying tables summarize some physiographic data for selected locations on each stream in the Black River basin having 2 or more square miles of drainage area. Selected locations on the major streams include locations above mouths of tributaries, points of interest such as highways, towns, gaging stations, or dams, and below the confluence of the main stream and tributary so as to include both drainage areas. Similar criteria were used for tributary streams except where the tributary was too small to merit further dividing. The divided areas are shown on the basin map, sheet 1. To help locate the tabulated areas on the map, each location is assigned a number and numbers for selected sites are shown on the map. In addition, road names and river miles, at 5-mile intervals, are shown. River miles are given for Black River, Elk and Mill Creeks.

Basin divides were outlined on the latest 7 1/2 minute topographic maps, scale 1:24,000, and drainage areas determined in accordance with the standards set forth by the Committee on Hydrology, Water Resources Council (formerly the Subcommittee on Hydrology, Inter-agency Committee on Water Resources). Similarly, river miles were determined in accordance with the Committee's standards. Mile zero is considered to be the mouth of the stream. The source of a stream is considered to be the upper end of the stream, whether or not it is perennial.

A defined channel which may be inferred from the topographic maps to carry water occasionally, is, therefore, included in the stream length. A named stream, which begins at the confluence of two tributaries is considered to be a continuation of the longer tributary and to have as its source the source of that tributary. Its average slope is determined by treating the stream and tributary as one. McDonald Drain, for example, is considered to be the continuation of Setter Drain. In the table Setter Drain has been parenthetically noted as being the headwaters of McDonald Drain. Other tributary streams, which fall into this classification, are likewise noted.

Altitudes shown for site and source are those obtained from topographic maps and represent the altitude of the water surface at approximately normal river stage, the datum being mean sea level. Average slopes were computed from the mileage between and differences in site and source altitudes and represent the fall of the stream in feet per mile.

Streams are listed in a downstream direction along the main stem, with tributary streams entered above the next main-stem location. A similar order is followed for listing streams of first rank, second rank, or other rank. To indicate the rank, and the stream to which it is tributary, the stream name is indented, each indentation represents one rank. The stream rank is further identified by numbers in the column heading with stream name and location. Number 1 applies to Black River. Principal tributaries are under number 2, their tributaries under number 3, and so on.

PHYSIOGRAPHIC DATA FOR SELECTED LOCATIONS IN THE BLACK RIVER BASIN

Number key	Stream and location  1 2 3 4 5 Ranking order	Drainage area (sq mi)	Miles		Altitude (ft above msl)		Average slope (ft per mile)
			above mouth	below source	at site	at source	
1	Black River above Darlington Drain, SE 1/4 sec. 28, T. 14 N., R. 14 E.	12.4	73.5	5.8	773	838	11.2
2	Darlington Drain at mouth, SE 1/4 sec. 28, T. 14 N., R. 14 E.	5.67	0	3.6	773	862	24.7
3	Black River at Darlington Drain, SE 1/4 sec. 28, T. 14 N., R. 14 E.	18.1	73.5	5.8	773	838	11.2
4	Black River at Richmondville Road, SE 1/4 sec. 10, T. 13 N., R. 14 E.	25.6	70.1	9.2	766	838	7.8
5	Black River above Carrol Drain, SW 1/4 sec. 23, T. 13 N., R. 14 E.	27.4	68.4	10.9	761	838	7.1
6	Carrol Drain at mouth, SW 1/4 sec. 23, T. 13 N., R. 14 E.	10.8	0	7.4	761	785	3.2
7	Black River at Carrol Drain, SW 1/4 sec. 23, T. 13 N., R. 14 E.	38.2	68.4	10.9	761	838	7.1
8	Black River above Bishop Drain, SE 1/4 sec. 23, T. 13 N., R. 14 E.	38.2	68.3	11.0	761	838	7.0
9	Bishop Drain above McManus Drain, SW 1/4 sec. 14, T. 13 N., R. 14 E.	7.10	0.9	5.9	765	856	15.4
10	McManus Drain at mouth, SW 1/4 sec. 14, T. 13 N., R. 14 E.	2.57	0	4.4	765	780	3.4
11	Bishop Drain at McManus Drain, SW 1/4 sec. 14, T. 13 N., R. 14 E.	9.67	0.9	5.9	765	856	15.4
12	Bishop Drain at mouth, SE 1/4 sec. 23, T. 13 N., R. 14 E.	10.1	0	6.8	761	856	14.0

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			above mouth	below source	at site	at source	
			13	Black River at Bishop Drain, SE 1/4 sec. 23, T. 13 N., R. 14 E.	48.3	68.3	
14	Black River above Pelton Drain, SW 1/4 sec. 25, T. 13 N., R. 14 E.	52.0	66.6	12.7	756	838	6.5
15	Pelton Drain at mouth, SW 1/4 sec. 25, T. 13 N., R. 14 E.	4.32	0	4.2	756	820	15.2
16	Black River at Pelton Drain, SW 1/4 sec. 25, T. 13 N., R. 14 E.	56.4	66.6	12.7	756	838	6.5
17	Black River at Deckerville Road, SW 1/4 sec. 25, T. 13 N., R. 14 E.	56.4	66.5	12.8	755	838	6.5
18	Black River above Smith Drain, SW 1/4 sec. 36, T. 13 N., R. 14 E.	57.5	65.5	13.8	751	838	6.3
19	Smith Drain at mouth, SW 1/4 sec. 36, T. 13 N., R. 14 E.	5.47	0	6.1	751	788	6.1
20	Black River at Smith Drain, SW 1/4 sec. 36, T. 13 N., R. 14 E.	63.0	65.5	13.8	751	838	6.3
21	Black River above Nicol Drain, SE 1/4 sec. 12, T. 12 N., R. 14 E.	67.8	63.9	15.4	745	838	6.0
22	Nicol Drain at mouth, SE 1/4 sec. 12, T. 12 N., R. 14 E.	4.37	0	3.9	745	775	7.7
23	Black River at Nicol Drain, SE 1/4 sec. 12, T. 12 N., R. 14 E.	72.2	63.9	15.4	745	838	6.0
24	Black River at Forester Road, SE 1/4 sec. 12, T. 12 N., R. 14 E.	74.0	63.3	16.0	743	838	5.9
25	Black River above Berry Drain, SE 1/4 sec. 19, T. 12 N., R. 15 E.	82.0	61.1	18.2	737	838	5.5
26	Berry Drain above Dwight Drain, SE 1/4 sec. 26, T. 12 N., R. 14 E.	4.65	2.6	4.1	749	770	5.1
27	Dwight Drain at Sandusky Road, SE 1/4 sec. 29, T. 12 N., R. 14 E.	6.01	3.0	4.1	763	774	2.7
28	Dwight Drain at mouth, SE 1/4 sec. 26, T. 12 N., R. 14 E.	11.6	0	7.1	749	774	3.5
29	Berry Drain at Dwight Drain, SE 1/4 sec. 26, T. 12 N., R. 14 E.	16.2	2.6	4.1	749	770	5.1
30	Berry Drain above Fye Drain, SE 1/4 sec. 19, T. 12 N., R. 15 E.	17.4	0.2	6.5	740	770	4.6
31	Fye Drain at Banner Road, SE 1/4 sec. 16, T. 12 N., R. 14 E.	6.00	4.4	3.8	761	777	4.2
32	Fye Drain at mouth, SW 1/4 sec. 19, T. 12 N., R. 15 E.	10.2	0	8.2	740	777	4.5
33	Berry Drain at Fye Drain, SW 1/4 sec. 19, T. 12 N., R. 15 E.	27.6	0.2	6.5	740	770	4.6
34	Berry Drain at mouth, SE 1/4 sec. 19, T. 12 N., R. 15 E.	27.6	0	6.7	737	770	4.9
35	Black River at Berry Drain, SE 1/4 sec. 19, T. 12 N., R. 15 E.	110	61.1	18.2	737	838	5.5
36	Black River at Ruth Road, SE 1/4 sec. 30, T. 12 N., R. 15 E.	110	60.5	18.8	735	838	5.5
37	Black River above McPherson Drain, NW 1/4 sec. 5, T. 11 N., R. 15 E.	120	58.0	21.3	729	838	5.1
38	McPherson Drain at mouth, NW 1/4 sec. 5, T. 11 N., R. 15 E.	5.43	0	4.4	729	754	5.7
39	Black River at McPherson Drain, NW 1/4 sec. 5, T. 11 N., R. 15 E.	126	58.0	21.3	729	838	5.1
40	Black River above Elk Creek, NE 1/4 sec. 9, T. 11 N., R. 15 E.	128	55.7	23.6	723	838	4.9
41	Elk Creek above Scott Drain, NE 1/4 sec. 33, T. 9 N., R. 13 E.	1.23	25.5	2.0	797	805	4.0
42	Scott Drain at mouth, NE 1/4 sec. 33, T. 9 N., R. 13 E.	1.25	0	2.1	797	799	1.0
43	Elk Creek at Scott Drain, NE 1/4 sec. 33, T. 9 N., R. 13 E.	2.48	25.5	2.0	797	805	4.0
44	Elk Creek above Witmer Drain, S 1/2 sec. 15, T. 9 N., R. 13 E.	7.09	23.0	4.5	787	805	4.0
45	Witmer Drain at mouth, S 1/2 sec. 15, T. 9 N., R. 13 E.	1.97	0	3.7	787	807	5.4

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			above mouth	below source	at site	at source	
46	Elk Creek at Witmer Drain, S 1/2 sec. 15, T. 9 N., R. 13 E.	9.06	23.0	4.5	787	805	4.0
47	Elk Creek above Winters Drain, SE 1/4 sec. 10, T. 9 N., R. 13 E.	9.73	21.7	5.8	784	805	3.6
48	Winters Drain at mouth, SE 1/4 sec. 10, T. 9 N., R. 13 E.	2.14	0	5.2	784	816	6.2
49	Elk Creek at Winters Drain, SE 1/4 sec. 10, T. 9 N., R. 13 E.	11.9	21.7	5.8	784	805	3.6
50	Elk Creek above Lapeer and Sanilac Drain, NW 1/4 sec. 11, T. 9 N., R. 13 E.	15.1	20.4	7.1	778	805	3.8
51	Lapeer and Sanilac Drain at Burns Line Road, NW 1/4 sec. 17, T. 9 N., R. 13 E.	4.73	3.9	4.3	798	830	7.4
52	Lapeer and Sanilac Drain at mouth, NW 1/4 sec. 11, T. 9 N., R. 13 E.	8.60	0	8.2	778	830	6.3
53	Elk Creek at Lapeer and Sanilac Drain, NW 1/4 sec. 11, T. 9 N., R. 13 E.	23.7	20.4	7.1	778	805	3.8
54	Elk Creek at Peck Road, NW 1/4 sec. 31, T. 10 N., R. 14 E.	26.9	17.2	10.3	767	805	3.7
55	Elk Creek above Elk Flynn and Maple Valley Drain, SW 1/4 sec. 16, T. 10 N., R. 14 E.	29.5	14.4	13.1	755	805	3.8
56	Elk Flynn and Maple Valley Drain above Jones Drain, NE 1/4 sec. 19, T. 10 N., R. 14 E.	6.04	1.4	7.2	762	800	5.3
57	Jones Drain at mouth, NE 1/4 sec. 19, T. 10 N., R. 14 E.	2.87	0	3.2	762	785	7.2
58	Elk Flynn and Maple Valley Drain at Jones Drain, NE 1/4 sec. 19, T. 10 N., R. 14 E.	8.91	1.4	7.2	762	800	5.3
59	Elk Flynn and Maple Valley Drain at mouth, SW 1/4 sec. 16, T. 10 N., R. 14 E.	9.36	0	8.6	755	800	5.2
60	Elk Creek at Elk Flynn and Maple Valley Drain, SW 1/4 sec. 16, T. 10 N., R. 14 E.	38.8	14.4	13.1	755	805	3.8
61	Elk Creek above East Branch Speaker and Maple Valley Drain, SE 1/4 sec. 16, T. 10 N., R. 14 E.	39.5	13.5	14.0	752	805	3.8
62	East Branch Speaker and Maple Valley Drain at Burns Line Road, NE 1/4 sec. 18, T. 9 N., R. 14 E.	8.91	6.1	4.7	780	799	4.0
63	East Branch Speaker and Maple Valley Drain above Fletcher Drain, NE 1/4 sec. 21, T. 10 N., R. 14 E.	19.9	0.9	9.9	756	799	4.3
64	Fletcher Drain at mouth, NE 1/4 sec. 21, T. 10 N., R. 14 E.	2.14	0	2.9	756	794	13.1
65	East Branch Speaker and Maple Valley Drain at Fletcher Drain, NE 1/4 sec. 21, T. 10 N., R. 14 E.	22.0	0.9	9.9	756	799	4.3
66	East Branch Speaker and Maple Valley Drain at mouth, SE 1/4 sec. 16, T. 10 N., R. 14 E.	22.4	0	10.8	752	799	4.4
67	Elk Creek at East Branch Speaker and Maple Valley Drain, SE 1/4 sec. 16, T. 10 N., R. 14 E.	61.8	13.5	14.0	752	805	3.8
68	Elk Creek above McDonald Drain, SE 1/4 sec. 9, T. 10 N., R. 14 E.	64.5	12.6	14.9	749	805	3.8
69	Setter Drain (headwaters of McDonald Drain) above Welch Drain, NW 1/4 sec. 28, T. 10 N., R. 13 E.	9.53	9.2	6.2	780	828	7.7
70	Welch Drain at mouth, NW 1/4 sec. 28, T. 10 N., R. 13 E.	3.06	0	2.0	780	795	7.5
71	Setter Drain at Welch Drain, NW 1/4 sec. 28, T. 10 N., R. 13 E.	12.6	9.2	6.2	780	828	7.7
72	Setter Drain at Montgomery Road, NE 1/4 sec. 22, T. 10 N., R. 13 E.	16.3	6.8	8.6	775	828	6.2
73	Setter Drain above Eagle Drain, center sec. 12, T. 10 N., R. 13 E.	18.5	4.0	11.4	767	828	5.4
74	Eagle Drain at mouth, center sec. 12, T. 10 N., R. 13 E.	1.22	0	2.1	767	785	8.6

Number key	Stream and location 1 2 3 4 5 Ranking order	Drainage area (sq mi)	Miles		Altitude (ft above msl)		Average slope (ft per mile)
			above mouth	below source	at site	at source	
75	McDonald Drain at Eagle Drain, center sec. 12, T. 10 N., R. 13 E.	19.8	4.0	11.4	767	828	5.4
76	McDonald Drain at mouth, SE 1/4 sec. 9, T. 10 N., R. 14 E.	23.5	0	15.4	749	828	5.1
77	Elk Creek at McDonald Drain, SE 1/4 sec. 9, T. 10 N., R. 14 E.	88.0	12.6	14.9	749	805	3.8
78	Elk Creek above McElhinney Drain, NE 1/4 sec. 3, T. 10 N., R. 14 E.	89.5	10.9	16.6	745	805	3.6
79	McElhinney Drain at mouth, NE 1/4 sec. 3, T. 10 N., R. 14 E.	5.42	0	3.7	745	774	7.8
80	Elk Creek at McElhinney Drain, NE 1/4 sec. 3, T. 10 N., R. 14 E.	94.9	10.9	16.6	745	805	3.6
81	Elk Creek at Marlette Road, NE 1/4 sec. 3, T. 10 N., R. 14 E.	95.2	10.6	16.9	744	805	3.6
82	Elk Creek above Beals and Frizzle Drain, NE 1/4 sec. 33, T. 11 N., R. 14 E.	95.8	9.7	17.8	742	805	3.5
83	Beals and Frizzle Drain above Hale Drain, SW 1/4 sec. 28, T. 11 N., R. 14 E.	6.80	0.8	7.3	750	785	4.8
84	Hale Drain above Eggert Drain, NW 1/4 sec. 32, T. 11 N., R. 14 E.	2.74	1.2	3.4	760	786	7.6
85	Eggert Drain at mouth, NW 1/4 sec. 32, T. 11 N., R. 14 E.	5.49	0	4.3	760	782	5.1
86	Hale Drain at Eggert Drain, NW 1/4 sec. 32, T. 11 N., R. 14 E.	8.23	1.2	3.4	760	786	7.6
87	Hale Drain at mouth, SW 1/4 sec. 28, T. 11 N., R. 14 E.	9.40	0	4.6	750	785	7.6
88	Beals and Frizzle Drain at Hale Drain, SW 1/4 sec. 28, T. 11 N., R. 14 E.	16.2	0.8	7.3	750	785	4.8
89	Beals and Frizzle Drain at mouth, NE 1/4 sec. 33, T. 11 N., R. 14 E.	16.9	0	8.1	742	785	5.3
90	Elk Creek at Beals and Frizzle Drain, NE 1/4 sec. 33, T. 11 N., R. 14 E.	113	9.7	17.8	742	805	3.5
91	Elk Creek above Smalldon Drain, SE 1/4 sec. 27, T. 11 N., R. 14 E.	114	8.6	18.9	740	805	3.4
92	Smalldon Drain at mouth, SE 1/4 sec. 27, T. 11 N., R. 14 E.	6.04	0	4.4	740	760	4.5
93	Elk Creek at Smalldon Drain, SE 1/4 sec. 27, T. 11 N., R. 14 E.	120	8.6	18.9	740	805	3.4
94	Elk Creek above Watertown State Drain, NE 1/4 sec. 35, T. 11 N., R. 14 E.	123	7.3	20.2	738	805	3.3
95	Watertown State Drain at mouth, NE 1/4 sec. 35, T. 11 N., R. 14 E.	1.64	0	2.3	738	760	9.6
96	Elk Creek at Watertown State Drain, NE 1/4 sec. 35, T. 11 N., R. 14 E.	125	7.3	20.2	738	805	3.3
97	Elk Creek above Mullen Drain, NW 1/4 sec. 35, T. 11 N., R. 14 E.	121	8.0	19.5	739	805	3.4
98	Mullen Drain at mouth, NW 1/4 sec. 35, T. 11 N., R. 14 E.	1.49	0	3.0	739	764	8.3
99	Elk Creek at Mullen Drain, NW 1/4 sec. 35, T. 11 N., R. 14 E.	122	8.0	19.5	739	805	3.4
100	Elk Creek above Potts Drain, NW 1/4 sec. 31, T. 11 N., R. 15 E.	127	5.2	22.3	735	805	3.1
101	Potts Drain at Peck Road, NW 1/4 sec. 31, T. 10 N., R. 15 E.	8.57	6.7	4.6	752	775	5.0
102	Potts Drain above Topping Drain, SW 1/4 sec. 17, T. 10 N., R. 15 E.	11.5	4.1	7.2	742	775	4.6
103	Topping Drain at mouth, SW 1/4 sec. 17, T. 10 N., R. 15 E.	1.98	0	3.2	742	760	5.6
104	Potts Drain at Topping Drain, SW 1/4 sec. 17, T. 10 N., R. 15 E.	13.5	4.1	7.2	742	775	4.6
105	Potts Drain above Spring Creek Drain, SW 1/4 sec. 17, T. 10 N., R. 15 E.	14.9	3.6	7.7	740	775	4.5
106	Spring Creek Drain above Cork Drain, SE 1/4 sec. 26, T. 10 N., R. 14 E.	4.19	4.4	5.8	758	805	8.1
107	Cork Drain at mouth, SE 1/4 sec. 26, T. 10 N., R. 14 E.	4.53	0	5.4	758	842	15.6

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Number key	Stream and location		Drainage area (sq mi)	Miles		Altitude (ft above msl)		Average slope (ft per mile)	
				above mouth	below source	at site	at source		
108	1	2 3 4 5	Spring Creek Drain at Cork Drain, SE 1/4 sec. 26, T. 10 N., R. 14 E.	8.72	4.4	5.8	758	805	8.1
109			Spring Creek Drain at mouth, SW 1/4 sec. 17, T. 10 N., R. 15 E.	13.5	0	10.2	740	805	6.4
110			Potts Drain at Spring Creek Drain, SW 1/4 sec. 17, T. 10 N., R. 15 E.	28.4	3.6	7.7	740	775	4.5
111			Potts Drain above French Drain, SE 1/4 sec. 8, T. 10 N., R. 15 E.	28.9	2.6	8.7	738	775	4.3
112			French Drain at mouth, SE 1/4 sec. 8, T. 10 N., R. 15 E.	3.96	0	3.7	738	769	8.4
113			Potts Drain at French Drain, SE 1/4 sec. 8, T. 10 N., R. 15 E.	32.9	2.6	8.7	738	775	4.3
114			Potts Drain above Roskey Drain, NE 1/4 sec. 5, T. 10 N., R. 15 E.	35.1	1.3	10.0	737	775	3.8
115			Roskey Drain at mouth, NE 1/4 sec. 5, T. 10 N., R. 15 E.	3.33	0	2.6	737	754	6.5
116			Potts Drain at Roskey Drain, NE 1/4 sec. 5, T. 10 N., R. 15 E.	38.4	1.3	10.0	737	775	3.8
117			Potts Drain at Marlette Road, NE 1/4 sec. 5, T. 10 N., R. 15 E.	39.7	0.7	10.6	736	775	3.7
118			Potts Drain above Rickett Drain, SW 1/4 sec. 31, T. 11 N., R. 15 E.	40.8	0.2	11.1	735	775	3.6
119			Rickett Drain at mouth, SW 1/4 sec. 31, T. 11 N., R. 15 E.	5.72	0	6.1	735	760	4.1
120			Potts Drain at Rickett Drain, SW 1/4 sec. 31, T. 11 N., R. 15 E.	46.5	0.2	11.1	735	775	3.6
121			Potts Drain at mouth, NW 1/4 sec. 31, T. 11 N., R. 15 E.	46.6	0	11.3	735	775	3.5
122			Elk Creek at Potts Drain, NW 1/4 sec. 31, T. 11 N., R. 15 E.	174	5.2	22.3	735	805	3.1
123			Elk Creek at Walker Road, NE 1/4 sec. 20, T. 11 N., R. 15 E.	178	2.2	25.3	730	805	3.0
124			Elk Creek at mouth, NE 1/4 sec. 9, T. 11 N., R. 15 E.	185	0	27.5	723	805	3.0
125			Black River at Elk Creek, NE 1/4 sec. 9, T. 11 N., R. 15 E.	313	55.7	23.6	723	838	4.9
126			Black River above Kelly Creek, SW 1/4 sec. 14, T. 11 N., R. 15 E.	317	52.9	26.4	719	838	4.5
127			Kelly Creek at mouth, SW 1/4 sec. 14, T. 11 N., R. 15 E.	3.51	0	4.9	719	819	20.4
128			Black River at Kelly Creek, SW 1/4 sec. 14, T. 11 N., R. 15 E.	321	52.9	26.4	719	838	4.5
129			Black River above Papst Drain, NW 1/4 sec. 26, T. 11 N., R. 15 E.	322	51.5	27.8	718	838	4.3
130			Papst Drain at mouth, NW 1/4 sec. 26, T. 11 N., R. 15 E.	5.65	0	4.3	718	760	9.8
131			Black River at Papst Drain, NW 1/4 sec. 26, T. 11 N., R. 15 E.	328	51.5	27.8	718	838	4.3
132			Black River at Applegate Road, SE 1/4 sec. 26, T. 11 N., R. 15 E.	333	50.5	28.8	717	838	4.2
133			Black River at Aitken Road, SE 1/4 sec. 6, T. 10 N., R. 16 E.	342	47.5	31.8	714	838	3.9
134			Black River above Arnot Creek, NW 1/4 sec. 20, T. 10 N., R. 16 E.	347	43.9	35.4	712	838	3.6
135			Arnot Creek above McClelland Drain, SW 1/4 sec. 18, T. 10 N., R. 16 E.	8.42	1.1	5.4	728	750	4.1
136			McClelland Drain at mouth, SW 1/4 sec. 18, T. 10 N., R. 16 E.	3.90	0	4.6	728	770	9.1
137			Arnot Creek at McClelland Drain, SW 1/4 sec. 18, T. 10 N., R. 16 E.	12.3	1.1	5.4	728	750	4.1
138			Arnot Creek at mouth, NW 1/4 sec. 20, T. 10 N., R. 16 E.	13.1	0	6.5	712	750	5.8
139			Black River at Arnot Creek, NW 1/4 sec. 20, T. 10 N., R. 16 E.	360	43.9	35.4	712	838	3.6
140			Black River above Mills Creek, SW 1/4 sec. 29, T. 10 N., R. 16 E.	363	42.0	37.3	710	838	3.4
141			Mills Creek at mouth, SW 1/4 sec. 29, T. 10 N., R. 16 E.	6.44	0	5.9	710	761	8.6

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	1	2	3	4	5		Ranking order	above mouth	below source	at site	
142	Black River at Michigan Sugar Co. Dam, SW 1/4 sec. 29, T. 10 N., R. 16 E.					369	41.9	37.4	710	838	3.4
143	Black River at Highway 90, SW 1/4 sec. 29, T. 10 N., R. 16 E.					369	41.6	37.7	708	838	3.4
144	Black River above unnamed tributary, NE 1/4 sec. 5, T. 9 N., R. 16 E.					372	39.7	39.6	699	838	3.5
145	Unnamed tributary at mouth, NE 1/4 sec. 5, T. 9 N., R. 16 E.					1.85	0	1.6	699	755	35.0
146	Black River at unnamed tributary, NE 1/4 sec. 5, T. 9 N., R. 16 E.					374	39.7	39.6	699	838	3.5
147	Black River near Croswell (gage), SE 1/4 sec. 8, T. 9 N., R. 16 E.					376	38.0	41.3	692	838	3.5
148	Black River above Black Creek, SW 1/4 sec. 17, T. 9 N., R. 16 E.					378	36.9	42.4	688	838	3.5
149	Black Creek above McIntyre and Willing Drain, NE 1/4 sec. 29, T. 9 N., R. 15 E.					4.35	10.2	5.4	745	844	18.3
150	McIntyre and Willing Drain at mouth, NE 1/4 sec. 29, T. 9 N., R. 15 E.					2.27	0	3.2	745	775	9.4
151	Black Creek at McIntyre and Willing Drain, NE 1/4 sec. 29, T. 9 N., R. 15 E.					6.62	10.2	5.4	745	844	18.3
152	Black Creek above Lavell Drain, SE 1/4 sec. 29, T. 9 N., R. 15 E.					6.67	10.0	5.6	743	844	18.0
153	Lavell Drain at mouth, SE 1/4 sec. 29, T. 9 N., R. 15 E.					2.23	0	2.7	743	790	17.4
154	Black Creek at Lavell Drain, SE 1/4 sec. 29, T. 9 N., R. 15 E.					8.90	10.0	5.6	743	844	18.0
155	Black Creek above Jackson Drain, SE 1/4 sec. 28, T. 9 N., R. 15 E.					10.4	8.7	6.9	735	844	15.8
156	Jackson Creek at Fisher Road, NW 1/4 sec. 6, T. 8 N., R. 15 E.					4.67	3.8	4.3	758	805	10.9
157	Jackson Creek above Robertson Drain, SE 1/4 sec. 33, T. 9 N., R. 15 E.					7.23	1.3	6.8	739	805	9.7
158	Robertson Drain above Livergood Drain, SE 1/4 sec. 33, T. 9 N., R. 15 E.					2.17	0.2	2.7	740	750	3.7
159	Livergood Drain at mouth, SE 1/4 sec. 33, T. 9 N., R. 15 E.					5.22	0	6.5	740	804	9.8
160	Robertson Drain at Livergood Drain, SE 1/4 sec. 33, T. 9 N., R. 15 E.					7.39	0.2	2.7	740	750	3.7
161	Robertson Drain at mouth, SE 1/4 sec. 33, T. 9 N., R. 15 E.					7.43	0	2.9	739	750	3.8
162	Jackson Creek at Robertson Drain, SE 1/4 sec. 33, T. 9 N., R. 15 E.					14.7	1.3	6.8	739	805	9.7
163	Jackson Creek at mouth, SE 1/4 sec. 28, T. 9 N., R. 15 E.					15.5	0	8.1	735	805	8.6
164	Black Creek at Jackson Creek, SE 1/4 sec. 28, T. 9 N., R. 15 E.					25.8	8.7	6.9	735	844	15.8
165	Black Creek above Willey Drain, SW 1/4 sec. 24, T. 9 N., R. 15 E.					28.3	5.4	10.2	725	844	11.7
166	Willey Drain at mouth, SW 1/4 sec. 24, T. 9 N., R. 15 E.					3.07	0	3.8	725	754	7.6
167	Black Creek at Willey Drain, SW 1/4 sec. 24, T. 9 N., R. 15 E.					31.3	5.4	10.2	725	844	11.7
168	Black Creek above Seymour Creek, NW 1/4 sec. 24, T. 9 N., R. 15 E.					31.6	4.1	11.5	720	844	10.8
169	Seymour Creek above Bradley Creek, SW 1/4 sec. 9, T. 9 N., R. 15 E.					3.54	4.0	3.2	750	775	7.8
170	Bradley Creek at mouth, SW 1/4 sec. 9, T. 9 N., R. 15 E.					2.79	0	3.7	750	779	7.8
171	Seymour Creek at Bradley Creek, SW 1/4 sec. 9, T. 9 N., R. 15 E.					6.33	4.0	3.2	750	775	7.8
172	Seymour Creek at mouth, NW 1/4 sec. 24, T. 9 N., R. 15 E.					12.5	0	7.2	720	775	7.6
173	Black Creek at Seymour Creek, NW 1/4 sec. 24, T. 9 N., R. 15 E.					44.1	4.1	11.5	720	844	10.8
174	Black Creek above William Doan Drain, NE 1/4 sec. 18, T. 9 N., R. 16 E.					46.4	1.1	14.5	700	844	9.9

PHYSIOGRAPHIC DATA FOR SELECTED LOCATIONS IN THE BLACK RIVER BASIN

Number key	Stream and location 1 2 3 4 5 Ranking order	Drainage area (sq mi)	Miles		Altitude (ft above msl)		Average slope (ft per mile)
			above mouth	below source	at site	at source	
175	William Doan Drain at mouth, NE 1/4 sec. 18, T. 9 N., R. 16 E.	3.79	0	4.8	700	754	11.2
176	Black Creek at William Doan Drain, NE 1/4 sec. 18, T. 9 N., R. 16 E.	50.2	1.1	14.5	700	844	9.9
177	Black Creek at mouth, SW 1/4 sec. 17, T. 9 N., R. 16 E.	50.6	0	15.6	688	844	10.0
178	Black River at Black Creek, SW 1/4 sec. 17, T. 9 N., R. 16 E.	428	36.9	42.4	688	838	3.5
179	Black River at Galbraith Road, SW 1/4 sec. 20, T. 9 N., R. 16 E.	430	35.2	44.1	681	838	3.6
180	Black River above Silver Creek, SE 1/4 sec. 6, T. 8 N., R. 16 E.	436	31.6	47.7	660	838	3.7
181	Eves Drain (headwaters of Silver Creek) above Jackson Drain, SW 1/4 sec. 14, T. 8 N., R. 15 E.	8.62	5.8	8.3	730	795	7.8
182	Jackson Drain above Hayes Drain, NW 1/4 sec. 22, T. 8 N., R. 15 E.	2.46	1.9	2.9	742	778	12.4
183	Hayes Drain at mouth, NW 1/4 sec. 22, T. 8 N., R. 15 E.	2.54	0	4.3	742	792	11.6
184	Jackson Drain at Hayes Drain, NW 1/4 sec. 22, T. 8 N., R. 15 E.	5.00	1.9	2.9	742	778	12.4
185	Jackson Drain at mouth, SW 1/4 sec. 14, T. 8 N., R. 15 E.	6.85	0	4.8	730	778	10.0
186	Silver Creek at Jackson Drain, SW 1/4 sec. 14, T. 8 N., R. 15 E.	15.5	5.8	8.3	730	795	7.8
187	Silver Creek above Wilson Drain, SE 1/4 sec. 6, T. 8 N., R. 16 E.	23.0	0.2	13.9	665	795	9.4
188	Wilson Drain at mouth, SE 1/4 sec. 6, T. 8 N., R. 16 E.	4.08	0	4.5	665	752	19.3
189	Silver Creek at Wilson Drain, SE 1/4 sec. 6, T. 8 N., R. 16 E.	27.0	0.2	13.9	665	795	9.4
190	Silver Creek at mouth, SE 1/4 sec. 6, T. 8 N., R. 16 E.	27.0	0	14.1	660	795	9.6
191	Black River at Silver Creek, SE 1/4 sec. 6, T. 8 N., R. 16 E.	463	31.6	47.7	660	838	3.7
192	Black River at Comstock Road, SW 1/4 sec. 17, T. 8 N., R. 16 E.	466	28.4	50.9	637	838	3.9
193	Black River above Plum Creek, NW 1/4 sec. 20, T. 8 N., R. 16 E.	466	27.7	51.6	633	838	4.0
194	Plum Creek at Fargo Road, NE 1/4 sec. 26, T. 8 N., R. 15 E.	7.14	4.6	3.9	726	757	7.9
195	Plum Creek at mouth, NW 1/4 sec. 20, T. 8 N., R. 16 E.	11.4	0	8.5	633	757	14.6
196	Black River at Plum Creek, NW 1/4 sec. 20, T. 8 N., R. 16 E.	478	27.7	51.6	633	838	4.0
197	Black River at Norman Road (gage), NW 1/4 sec. 32, T. 8 N., R. 16 E.	480	23.6	55.7	618	838	3.9
198	Black River above O'Dette Drain, NW 1/4 sec. 5, T. 7 N., R. 16 E.	482	22.0	57.3	612	838	3.9
199	O'Dette Drain at mouth, NW 1/4 sec. 5, T. 7 N., R. 16 E.	2.04	0	2.6	612	743	50.4
200	Black River at O'Dette Drain, NW 1/4 sec. 5, T. 7 N., R. 16 E.	484	22.0	57.3	612	838	3.9
201	Black River at Ford Dam, E 1/2 sec. 8, T. 7 N., R. 16 E.	487	19.1	60.2	610	838	3.8
202	Black River above Glyshaw Drain, SE 1/4 sec. 8, T. 7 N., R. 16 E.	487	18.7	60.6	592	838	4.1
203	Glyshaw Drain at mouth, SE 1/4 sec. 8, T. 7 N., R. 16 E.	1.34	0	2.7	592	721	47.8
204	Black River at Glyshaw Drain, SE 1/4 sec. 8, T. 7 N., R. 16 E.	488	18.7	60.6	592	838	4.1
205	Black River above Mill Creek, SE 1/4 sec. 8, T. 7 N., R. 16 E.	490	18.5	60.8	592	838	4.0
206	Elk Lake Creek (headwaters of Mill Creek) above Swamp Corners Drain, SW 1/4 sec. 2, T. 7 N., R. 11 E.	2.37	5.8	0.4	850	856	15.0

PHYSIOGRAPHIC DATA FOR SELECTED LOCATIONS IN THE BLACK RIVER BASIN

Number key	Stream and location					Drainage area (sq mi)	Miles		Altitude (ft above msl)		Average slope (ft per mile)
	1	2	3	4	5		above mouth	below source	at site	at source	
	Ranking order										
207	Swamp Corners Drain at mouth, SW 1/4 sec. 2, T. 7 N., R. 11 E.					3.31	0	3.8	850	908	15.3
208	Elk Lake Creek at Swamp Corners Drain, SW 1/4 sec. 2, T. 7 N., R. 11 E.					5.68	5.8	0.4	850	856	15.0
209	Elk Lake Creek above Brant Lake Drain, NW 1/4 sec. 31, T. 8 N., R. 12 E.					12.2	2.4	3.8	822	856	8.9
210	Brant Lake Drain at mouth, NW 1/4 sec. 31, T. 8 N., R. 12 E.					9.09	0	5.3	822	863	7.7
211	Elk Lake Creek at Brant Lake Drain, NW 1/4 sec. 31, T. 8 N., R. 12 E.					21.2	2.4	3.8	822	856	8.9
212	Elk Lake Creek at Highway 53, SE 1/4 sec. 29, T. 8 N., R. 12 E.					23.2	0.4	5.8	805	856	8.8
213	Elk Lake Creek above Wilkie Drain, NE 1/4 sec. 28, T. 8 N., R. 12 E.					24.2	0	6.2	802	856	8.7
214	Wilkie Drain at mouth, NE 1/4 sec. 28, T. 8 N., R. 12 E.					1.32	0	1.4	802	867	46.4
215	Elk Lake Creek at Wilkie Drain, NE 1/4 sec. 28, T. 8 N., R. 12 E.					25.5	0	6.2	802	856	8.7
216	North Branch Mill Creek (continuation of Elk Lake Creek) above Stony Creek, SW 1/4 sec. 15, T. 8 N., R. 12 E.					29.6	9.5	8.4	798	856	6.9
217	Stony Creek at mouth, SW 1/4 sec. 15, T. 8 N., R. 12 E.					4.86	0	6.4	798	928	20.3
218	North Branch Mill Creek at Stony Creek, SW 1/4 sec. 15, T. 8 N., R. 12 E.					34.5	9.5	8.4	798	856	6.9
219	North Branch Mill Creek above Madison Drain, NE 1/4 sec. 15, T. 8 N., R. 12 E.					34.6	9.0	8.9	797	856	6.6
220	Madison Drain at mouth, NE 1/4 sec. 15, T. 8 N., R. 12 E.					8.22	0	4.5	797	880	18.4
221	North Branch Mill Creek at Madison Drain, NE 1/4 sec. 15, T. 8 N., R. 12 E.					42.9	9.0	8.9	797	856	6.6
222	North Branch Mill Creek above Clarkson Courtier Drain, SW 1/4 sec. 12, T. 8 N., R. 12 E.					47.8	7.4	10.5	794	856	5.9
223	Clarkson Courtier Drain at mouth, SW 1/4 sec. 12, T. 8 N., R. 12 E.					3.98	0	3.4	794	880	25.3
224	North Branch Mill Creek at Clarkson Courtier Drain, SW 1/4 sec. 12, T. 8 N., R. 12 E.					51.8	7.4	10.5	794	856	5.9
225	North Branch Mill Creek above Willoughby Drain, SE 1/4 sec. 12, T. 8 N., R. 12 E.					52.2	6.8	11.1	793	856	5.7
226	Willoughby Drain at mouth, SE 1/4 sec. 12, T. 8 N., R. 12 E.					6.67	0	4.2	793	805	2.9
227	North Branch Mill Creek at Willoughby Drain, SE 1/4 sec. 12, T. 8 N., R. 12 E.					58.8	6.8	11.1	793	856	5.7
228	North Branch Mill Creek above Root Drain, SW 1/4 sec. 15, T. 8 N., R. 13 E.					63.4	2.5	15.4	785	856	4.6
229	Root Drain at mouth, SW 1/4 sec. 15, T. 8 N., R. 13 E.					3.02	0	2.4	785	800	6.2
230	North Branch Mill Creek at Root Drain, SW 1/4 sec. 15, T. 8 N., R. 13 E.					66.4	2.5	15.4	785	856	4.6
231	North Branch Mill Creek above South Branch Mill Creek, NE 1/4 sec. 13, T. 8 N., R. 13 E.					70.6	0	17.9	780	856	4.2
232	South Branch Mill Creek above Mudcat Drain, SE 1/4 sec. 6, T. 7 N., R. 13 E.					4.68	7.2	6.2	787	818	5.0
233	Mudcat Drain at mouth, SE 1/4 sec. 6, T. 7 N., R. 13 E.					7.23	0	3.4	787	818	9.1
234	South Branch Mill Creek at Mudcat Drain, SE 1/4 sec. 6, T. 7 N., R. 13 E.					11.9	7.2	6.2	787	818	5.0
235	South Branch Mill Creek above Franklin Drain, SW 1/4 sec. 5, T. 7 N., R. 13 E.					12.2	7.0	6.4	786	818	5.0
236	Franklin Drain at mouth, SW 1/4 sec. 5, T. 7 N., R. 13 E.					5.20	0	4.6	786	820	7.4
237	South Branch Mill Creek at Franklin Drain, SW 1/4 sec. 5, T. 7 N., R. 13 E.					17.4	7.0	6.4	786	818	5.0



PHYSIOGRAPHIC DATA FOR SELECTED LOCATIONS IN THE BLACK RIVER BASIN

Number key	Stream and location					Drainage area (sq mi)	Miles		Altitude (ft above msl)		Average slope (ft per mile)
	1	2	3	4	5		Ranking order	above mouth	below source	at site	
238	South Branch Mill Creek above Lynn Mussey Drain, SE 1/4 sec. 27, T. 8 N., R. 13 E.					25.3	3.5	9.9	783	818	3.5
239	Lynn Mussey Drain at mouth, SE 1/4 sec. 27, T. 8 N., R. 13 E.					6.11	0	3.5	783	818	10.0
240	South Branch Mill Creek at Lynn Mussey Drain, SE 1/4 sec. 27, T. 8 N., R. 13 E.					31.4	3.5	9.9	783	818	3.5
241	South Branch Mill Creek above Black Segate Drain, SE 1/4 sec. 27, T. 8 N., R. 13 E.					31.4	3.5	9.9	783	818	3.5
242	Black Segate Drain at mouth, SE 1/4 sec. 27, T. 8 N., R. 13 E.					3.62	0	6.3	783	820	5.9
243	South Branch Mill Creek at Black Segate Drain, SE 1/4 sec. 27, T. 8 N., R. 13 E.					35.0	3.5	9.9	783	818	3.5
244	South Branch Mill Creek above Lovejoy Drain, SE 1/4 sec. 27, T. 8 N., R. 13 E.					35.1	3.3	10.1	783	818	3.5
245	Lovejoy Drain at mouth, SE 1/4 sec. 27, T. 8 N., R. 13 E.					6.36	0	6.5	783	817	5.2
246	South Branch Mill Creek at Lovejoy Drain, SE 1/4 sec. 27, T. 8 N., R. 13 E.					41.4	3.3	10.1	783	818	3.5
247	South Branch Mill Creek above Fraiser Drain, SW 1/4 sec. 23, T. 8 N., R. 13 E.					41.8	2.5	10.9	783	818	3.2
248	Fraiser Drain at mouth, SW 1/4 sec. 23, T. 8 N., R. 13 E.					4.93	0	6.2	783	805	3.5
249	South Branch Mill Creek at Fraiser Drain, SW 1/4 sec. 23, T. 8 N., R. 13 E.					46.7	2.5	10.9	783	818	3.2
250	South Branch Mill Creek at Sterling Road, SW 1/4 sec. 23, T. 8 N., R. 13 E.					46.8	2.2	11.2	782	818	3.2
251	South Branch Mill Creek at mouth, NE 1/4 sec. 13, T. 8 N., R. 13 E.					49.8	0	13.4	781	818	2.8
252	Mill Creek at South Branch Mill Creek, NE 1/4 sec. 13, T. 8 N., R. 13 E.					120	33.0	17.9	781	856	4.2
253	Mill Creek above Meharg Drain, NW 1/4 sec. 18, T. 8 N., R. 14 E.					121	32.4	18.5	780	856	4.1
254	Meharg Drain at mouth, NW 1/4 sec. 18, T. 8 N., R. 14 E.					3.09	0	5.1	780	817	7.3
255	Mill Creek at Meharg Drain, NW 1/4 sec. 18, T. 8 N., R. 14 E.					124	32.4	18.5	780	856	4.1
256	Mill Creek above Sanilac and St. Clair Drain, SW 1/4 sec. 3, T. 8 N., R. 14 E.					131	27.3	23.6	772	856	3.6
257	Sanilac and St. Clair Drain at mouth, SW 1/4 sec. 3, T. 8 N., R. 14 E.					14.7	0	8.5	772	820	5.6
258	Mill Creek at Sanilac and St. Clair Drain, SW 1/4 sec. 3, T. 8 N., R. 14 E.					146	27.3	23.6	772	856	3.6
259	Mill Creek at Yale Park Dam, SE 1/4 sec. 10, T. 8 N., R. 14 E.					148	25.3	25.6	769	856	3.4
260	Mill Creek above Sheehy Drain, NW 1/4 sec. 26, T. 8 N., R. 14 E.					152	21.9	29.0	749	856	3.7
261	Sheehy Drain at mouth, NW 1/4 sec. 26, T. 8 N., R. 14 E.					6.20	0	4.2	749	804	13.1
262	Mill Creek at Sheehy Drain, NW 1/4 sec. 26, T. 8 N., R. 14 E.					158	21.9	29.0	749	856	3.7
263	Mill Creek at Highway 19, NW 1/4 sec. 1, T. 7 N., R. 15 E.					162	18.4	32.5	735	856	3.7
264	Mill Creek above White Drain, SW 1/4 sec. 6, T. 7 N., R. 15 E.					165	15.5	35.4	720	856	3.8
265	White Drain at mouth, SW 1/4 sec. 6, T. 7 N., R. 15 E.					3.97	0	4.9	720	804	17.1
266	Mill Creek at White Drain, SW 1/4 sec. 6, T. 7 N., R. 15 E.					169	15.5	35.4	720	856	3.8
267	Mill Creek at Bricker Road (gage), NW 1/4 sec. 8, T. 7 N., R. 15 E.					169	14.4	36.5	713	856	3.9
268	Mill Creek above Gleason Drain, SW 1/4 sec. 8, T. 7 N., R. 15 E.					170	14.1	36.8	711	856	3.9
269	Gleason Drain at mouth, SW 1/4 sec. 8, T. 7 N., R. 15 E.					3.34	0	4.0	711	790	19.8

PHYSIOGRAPHIC DATA FOR SELECTED LOCATIONS IN THE BLACK RIVER BASIN

Number key	Stream and location					Drainage area (sq mi)	Miles		Altitude (ft above msl)		Average slope (ft per mile)
	1	2	3	4	5		Ranking order	above mouth	below source	at site	
270	Mill Creek at Gleason Drain, SW 1/4 sec. 8, T. 7 N., R. 15 E.					173	14.1	36.8	711	856	3.9
271	Mill Creek at Kilgore Road, NE 1/4 sec. 16, T. 7 N., R. 15 E.					178	10.5	40.4	687	856	4.2
272	Mill Creek at Abbottsford Road (gage), NW 1/4 sec. 17, T. 7 N., R. 16 E.					185	1.9	49.0	611	856	5.0
273	Mill Creek at mouth, SE 1/4 sec. 8, T. 7 N., R. 16 E.					186	0	50.9	592	856	5.2
274	Black River at Mill Creek, SE 1/4 sec. 8, T. 7 N., R. 16 E.					676	18.5	60.8	592	838	4.0
275	Black River at Vincent Road, NW 1/4 sec. 2, T. 6 N., R. 16 E.					684	10.8	68.5	580	838	3.8
276	Black River above Black River Canal, SW 1/4 sec. 27, T. 7 N., R. 17 E.					690	4.3	75.0	579	838	3.5
277	Howe Drain at mouth (at Black River Canal), NW 1/4 sec. 27, T. 7 N., R. 17 E.					9.77	0	7.7	579	712	17.3
278	Black River at Black River Canal, SW 1/4 sec. 27, T. 7 N., R. 17 E.					700	4.3	75.0	579	838	3.5
279	Black River above Stocks Creek, NE 1/4 sec. 4, T. 6 N., R. 17 E.					701	2.4	76.9	579	838	3.4
280	Stocks Creek at mouth, NE 1/4 sec. 4, T. 6 N., R. 17 E.					6.83	0	5.2	579	658	15.2
281	Black River at Stocks Creek, NE 1/4 sec. 4, T. 6 N., R. 17 E.					708	2.4	76.9	579	838	3.4
282	Black River at Huron Avenue, NW 1/4 sec. 11, T. 6 N., R. 17 E.					711	0.3	79.0	579	838	3.3
283	Black River at mouth, NW 1/4 sec. 11, T. 6 N., R. 17 E.					711	0	79.3	579	838	3.3