Table X.–Mean July water temperatures, mean weekly temperature ranges in July, and mean water temperatures during the hottest week (July 1-7) at various sites within the Dowagiac River watershed in 2012. All temperatures are in degrees Fahrenheit.

1         Dowagiac River         46th Street         74.1         17.7           2         Dowagiac River         Dewey Lake Street         72.1         16.3           3         Dowagiac River         Middle Crossing Road         70.2         11.3           4         Dowagiac River         Frost Road         72.7         9.1           5         Dowagiac Riverl         Dodd Park             6         Dowagiac Riverl         Losensky Park             8         Dowagiac Riverl         M-139 canoe launch             9         Red Run         Valley Road         68.4         9.7           10         Lake of the Woods Drainl         92nd Avenue             11         Glenwood Creek         Twin Lakes Road         63.0         13.7           12         Unnamed tributary         Twin Lakes Road         72.5         16.9           13         Silver Creek         Downey Street         73.1         17.9           14         Cook Lake Drain         M-51         76.2         12.7           15         Unnamed tributary         Indian Trail         71.2         22.6	Site #	Stream	Nearest road crossing	Mean July water temperature	Mean weekly temperature range in July	Mean water temperature during hottest week
2         Dowagiac River         Dewey Lake Street         72.1         16.3           3         Dowagiac River         Middle Crossing Road         70.2         11.3           4         Dowagiac River         Frost Road         72.7         9.1           5         Dowagiac River <sup>1</sup> Dodd Park             6         Dowagiac River         Kinzie Road         69.9         8.3           7         Dowagiac River <sup>1</sup> Losensky Park             8         Dowagiac River <sup>1</sup> M-139 canoe launch             9         Red Run         Valley Road         68.4         9.7           10         Lake of the Woods Drain <sup>1</sup> 92nd Avenue             11         Glenwood Creek         Twin Lakes Road         63.0         13.7           12         Unnamed tributary         Twin Lakes Road         72.5         16.9           13         Silver Creek         Downey Street         73.1         17.9           14         Cook Lake Drain         M-51         76.2         12.7           15         Unnamed tributary         Indian Trail         71.2         22.6	1			<u> </u>		77.3
Dowagiac River   Middle Crossing Road   70.2   11.3	2					74.7
4         Dowagiac River         Frost Road         72.7         9.1           5         Dowagiac River¹         Dodd Park             6         Dowagiac River¹         Kinzie Road         69.9         8.3           7         Dowagiac River¹         Losensky Park             8         Dowagiac River¹         M-139 canoe launch             9         Red Run         Valley Road         68.4         9.7           10         Lake of the Woods Drain¹         92 <sup>nd</sup> Avenue             11         Glenwood Creek         Twin Lakes Road         63.0         13.7           12         Unnamed tributary         Twin Lakes Road         72.5         16.9           13         Silver Creek         Downey Street         73.1         17.9           14         Cook Lake Drain         M-51         76.2         12.7           15         Unnamed tributary         Indian Trail         71.2         22.6           16         Osborn Drain         Dewey Lake Street         66.6         11.7           17         Indian Lake Outlet         Garret Road         71.8         9.4	3		-	70.2	11.3	72.4
6         Dowagiac River         Kinzie Road         69.9         8.3           7         Dowagiac River¹         Losensky Park             8         Dowagiac River¹         M-139 canoe launch             9         Red Run         Valley Road         68.4         9.7           10         Lake of the Woods Drain¹         92nd Avenue             11         Glenwood Creek         Twin Lakes Road         63.0         13.7           12         Unnamed tributary         Twin Lakes Road         72.5         16.9           13         Silver Creek         Downey Street         73.1         17.9           14         Cook Lake Drain         M-51         76.2         12.7           15         Unnamed tributary         Indian Trail         71.2         22.6           16         Osborn Drain         Dewey Lake Street         66.6         11.7           17         Indian Lake Outlet         Garret Road         71.8         9.4           18         Unnamed tributary         Frost Road         73.4         26.3           19         Peavine Creek¹         Champlain Road <tr< td=""><td>4</td><td>Dowagiac River</td><td>C</td><td>72.7</td><td>9.1</td><td>74.9</td></tr<>	4	Dowagiac River	C	72.7	9.1	74.9
7         Dowagiac River¹         Losensky Park             8         Dowagiac River¹         M-139 canoe launch             9         Red Run         Valley Road         68.4         9.7           10         Lake of the Woods Drain¹         92nd Avenue             11         Glenwood Creek         Twin Lakes Road         63.0         13.7           12         Unnamed tributary         Twin Lakes Road         72.5         16.9           13         Silver Creek         Downey Street         73.1         17.9           14         Cook Lake Drain         M-51         76.2         12.7           15         Unnamed tributary         Indian Trail         71.2         22.6           16         Osborn Drain         Dewey Lake Street         66.6         11.7           17         Indian Lake Outlet         Garret Road         71.8         9.4           18         Unnamed tributary         Frost Road         73.4         26.3           19         Peavine Creek¹         Champlain Road             20         Pokagon Creek         Wood Road         73.0         15.0	5	Dowagiac River <sup>1</sup>	Dodd Park			
8         Dowagiac River¹         M-139 canoe launch             9         Red Run         Valley Road         68.4         9.7           10         Lake of the Woods Drain¹         92nd Avenue             11         Glenwood Creek         Twin Lakes Road         63.0         13.7           12         Unnamed tributary         Twin Lakes Road         72.5         16.9           13         Silver Creek         Downey Street         73.1         17.9           14         Cook Lake Drain         M-51         76.2         12.7           15         Unnamed tributary         Indian Trail         71.2         22.6           16         Osborn Drain         Dewey Lake Street         66.6         11.7           17         Indian Lake Outlet         Garret Road         71.8         9.4           18         Unnamed tributary         Frost Road         73.4         26.3           19         Peavine Creek¹         Champlain Road             20         Pokagon Creek         Wood Road         73.0         15.0           21         Kimmerlee Creek         Old Mill Road         65.2         11.9      <	6	Dowagiac River	Kinzie Road	69.9	8.3	71.6
9         Red Run         Valley Road         68.4         9.7           10         Lake of the Woods Drain¹         92nd Avenue             11         Glenwood Creek         Twin Lakes Road         63.0         13.7           12         Unnamed tributary         Twin Lakes Road         72.5         16.9           13         Silver Creek         Downey Street         73.1         17.9           14         Cook Lake Drain         M-51         76.2         12.7           15         Unnamed tributary         Indian Trail         71.2         22.6           16         Osborn Drain         Dewey Lake Street         66.6         11.7           17         Indian Lake Outlet         Garret Road         71.8         9.4           18         Unnamed tributary         Frost Road         73.4         26.3           19         Peavine Creek¹         Champlain Road             20         Pokagon Creek         Wood Road         73.0         15.0           21         Kimmerlee Creek         Old Mill Road         65.2         11.9           22         McKinzie Creek         Thompson Road         77.1         10.6	7	Dowagiac River <sup>1</sup>	Losensky Park			
10       Lake of the Woods Drain¹       92nd Avenue           11       Glenwood Creek       Twin Lakes Road       63.0       13.7         12       Unnamed tributary       Twin Lakes Road       72.5       16.9         13       Silver Creek       Downey Street       73.1       17.9         14       Cook Lake Drain       M-51       76.2       12.7         15       Unnamed tributary       Indian Trail       71.2       22.6         16       Osborn Drain       Dewey Lake Street       66.6       11.7         17       Indian Lake Outlet       Garret Road       71.8       9.4         18       Unnamed tributary       Frost Road       73.4       26.3         19       Peavine Creek¹       Champlain Road           20       Pokagon Creek       Wood Road       73.0       15.0         21       Kimmerlee Creek       Old Mill Road       65.2       11.9         22       McKinzie Creek       Thompson Road       77.1       10.6         24       McKinzie Creek²       Barron Lake Road           25       McKinzie Creek²       Hoyt Street	8	Dowagiac River <sup>1</sup>	M-139 canoe launch			
11       Glenwood Creek       Twin Lakes Road       63.0       13.7         12       Unnamed tributary       Twin Lakes Road       72.5       16.9         13       Silver Creek       Downey Street       73.1       17.9         14       Cook Lake Drain       M-51       76.2       12.7         15       Unnamed tributary       Indian Trail       71.2       22.6         16       Osborn Drain       Dewey Lake Street       66.6       11.7         17       Indian Lake Outlet       Garret Road       71.8       9.4         18       Unnamed tributary       Frost Road       73.4       26.3         19       Peavine Creek¹       Champlain Road           20       Pokagon Creek       Wood Road       73.0       15.0         21       Kimmerlee Creek       Old Mill Road       65.2       11.9         22       McKinzie Creek       M-51       72.4       9.9         23       McKinzie Creek²       Barron Lake Road           24       McKinzie Creek²       Barron Lake Road           25       McKinzie Creek²       Hoyt Street <t< td=""><td>9</td><td>Red Run</td><td>Valley Road</td><td>68.4</td><td>9.7</td><td>70.5</td></t<>	9	Red Run	Valley Road	68.4	9.7	70.5
12         Unnamed tributary         Twin Lakes Road         72.5         16.9           13         Silver Creek         Downey Street         73.1         17.9           14         Cook Lake Drain         M-51         76.2         12.7           15         Unnamed tributary         Indian Trail         71.2         22.6           16         Osborn Drain         Dewey Lake Street         66.6         11.7           17         Indian Lake Outlet         Garret Road         71.8         9.4           18         Unnamed tributary         Frost Road         73.4         26.3           19         Peavine Creek¹         Champlain Road             20         Pokagon Creek         Wood Road         73.0         15.0           21         Kimmerlee Creek         Old Mill Road         65.2         11.9           22         McKinzie Creek         M-51         72.4         9.9           23         McKinzie Creek         Thompson Road         77.1         10.6           24         McKinzie Creek²         Barron Lake Road             25         McKinzie Creek²         Hoyt Street	10	Lake of the Woods Drain <sup>1</sup>	92 <sup>nd</sup> Avenue			
13         Silver Creek         Downey Street         73.1         17.9           14         Cook Lake Drain         M-51         76.2         12.7           15         Unnamed tributary         Indian Trail         71.2         22.6           16         Osborn Drain         Dewey Lake Street         66.6         11.7           17         Indian Lake Outlet         Garret Road         71.8         9.4           18         Unnamed tributary         Frost Road         73.4         26.3           19         Peavine Creek¹         Champlain Road             20         Pokagon Creek         Wood Road         73.0         15.0           21         Kimmerlee Creek         Old Mill Road         65.2         11.9           22         McKinzie Creek         M-51         72.4         9.9           23         McKinzie Creek         Thompson Road         77.1         10.6           24         McKinzie Creek²         Barron Lake Road             25         McKinzie Creek²         Hoyt Street             26         Unnamed tributary¹         M-51	11	Glenwood Creek	Twin Lakes Road	63.0	13.7	64.1
14       Cook Lake Drain       M-51       76.2       12.7         15       Unnamed tributary       Indian Trail       71.2       22.6         16       Osborn Drain       Dewey Lake Street       66.6       11.7         17       Indian Lake Outlet       Garret Road       71.8       9.4         18       Unnamed tributary       Frost Road       73.4       26.3         19       Peavine Creek¹       Champlain Road           20       Pokagon Creek       Wood Road       73.0       15.0         21       Kimmerlee Creek       Old Mill Road       65.2       11.9         22       McKinzie Creek       M-51       72.4       9.9         23       McKinzie Creek       Thompson Road       77.1       10.6         24       McKinzie Creek²       Barron Lake Road           25       McKinzie Creek²       Hoyt Street           26       Unnamed tributary¹       M-51	12	Unnamed tributary	Twin Lakes Road	72.5	16.9	75.3
15         Unnamed tributary         Indian Trail         71.2         22.6           16         Osborn Drain         Dewey Lake Street         66.6         11.7           17         Indian Lake Outlet         Garret Road         71.8         9.4           18         Unnamed tributary         Frost Road         73.4         26.3           19         Peavine Creek¹         Champlain Road             20         Pokagon Creek         Wood Road         73.0         15.0           21         Kimmerlee Creek         Old Mill Road         65.2         11.9           22         McKinzie Creek         M-51         72.4         9.9           23         McKinzie Creek         Thompson Road         77.1         10.6           24         McKinzie Creek²         Barron Lake Road             25         McKinzie Creek²         Hoyt Street             26         Unnamed tributary¹         M-51	13	Silver Creek	Downey Street	73.1	17.9	76.2
16         Osborn Drain         Dewey Lake Street         66.6         11.7           17         Indian Lake Outlet         Garret Road         71.8         9.4           18         Unnamed tributary         Frost Road         73.4         26.3           19         Peavine Creek¹         Champlain Road             20         Pokagon Creek         Wood Road         73.0         15.0           21         Kimmerlee Creek         Old Mill Road         65.2         11.9           22         McKinzie Creek         M-51         72.4         9.9           23         McKinzie Creek         Thompson Road         77.1         10.6           24         McKinzie Creek²         Barron Lake Road             25         McKinzie Creek²         Hoyt Street             26         Unnamed tributary¹         M-51	14	Cook Lake Drain	M-51	76.2	12.7	78.2
17         Indian Lake Outlet         Garret Road         71.8         9.4           18         Unnamed tributary         Frost Road         73.4         26.3           19         Peavine Creek¹         Champlain Road             20         Pokagon Creek         Wood Road         73.0         15.0           21         Kimmerlee Creek         Old Mill Road         65.2         11.9           22         McKinzie Creek         M-51         72.4         9.9           23         McKinzie Creek         Thompson Road         77.1         10.6           24         McKinzie Creek²         Barron Lake Road             25         McKinzie Creek²         Hoyt Street             26         Unnamed tributary¹         M-51	15	Unnamed tributary	Indian Trail	71.2	22.6	72.0
18       Unnamed tributary       Frost Road       73.4       26.3         19       Peavine Creek¹       Champlain Road           20       Pokagon Creek       Wood Road       73.0       15.0         21       Kimmerlee Creek       Old Mill Road       65.2       11.9         22       McKinzie Creek       M-51       72.4       9.9         23       McKinzie Creek       Thompson Road       77.1       10.6         24       McKinzie Creek²       Barron Lake Road           25       McKinzie Creek²       Hoyt Street           26       Unnamed tributary¹       M-51	16	Osborn Drain	Dewey Lake Street	66.6	11.7	67.4
19       Peavine Creek¹       Champlain Road           20       Pokagon Creek       Wood Road       73.0       15.0         21       Kimmerlee Creek       Old Mill Road       65.2       11.9         22       McKinzie Creek       M-51       72.4       9.9         23       McKinzie Creek       Thompson Road       77.1       10.6         24       McKinzie Creek²       Barron Lake Road           25       McKinzie Creek²       Hoyt Street           26       Unnamed tributary¹       M-51	17	Indian Lake Outlet	Garret Road	71.8	9.4	74.3
20       Pokagon Creek       Wood Road       73.0       15.0         21       Kimmerlee Creek       Old Mill Road       65.2       11.9         22       McKinzie Creek       M-51       72.4       9.9         23       McKinzie Creek       Thompson Road       77.1       10.6         24       McKinzie Creek²       Barron Lake Road           25       McKinzie Creek²       Hoyt Street           26       Unnamed tributary¹       M-51	18	Unnamed tributary	Frost Road	73.4	26.3	75.7
21       Kimmerlee Creek       Old Mill Road       65.2       11.9         22       McKinzie Creek       M-51       72.4       9.9         23       McKinzie Creek       Thompson Road       77.1       10.6         24       McKinzie Creek²       Barron Lake Road           25       McKinzie Creek²       Hoyt Street           26       Unnamed tributary¹       M-51	19	Peavine Creek <sup>1</sup>	Champlain Road			
22       McKinzie Creek       M-51       72.4       9.9         23       McKinzie Creek       Thompson Road       77.1       10.6         24       McKinzie Creek²       Barron Lake Road           25       McKinzie Creek²       Hoyt Street           26       Unnamed tributary¹       M-51	20	Pokagon Creek	Wood Road	73.0	15.0	75.8
23McKinzie CreekThompson Road77.110.624McKinzie Creek²Barron Lake Road25McKinzie Creek²Hoyt Street26Unnamed tributary¹M-51	21	Kimmerlee Creek	Old Mill Road	65.2	11.9	66.9
24 McKinzie Creek <sup>2</sup> Barron Lake Road 25 McKinzie Creek <sup>2</sup> Hoyt Street 26 Unnamed tributary <sup>1</sup> M-51	22	McKinzie Creek	M-51	72.4	9.9	75.1
25 McKinzie Creek <sup>2</sup> Hoyt Street 26 Unnamed tributary <sup>1</sup> M-51	23	McKinzie Creek	Thompson Road	77.1	10.6	79.8
26 Unnamed tributary <sup>1</sup> M-51	24	McKinzie Creek <sup>2</sup>	Barron Lake Road			82.4
•	25	McKinzie Creek <sup>2</sup>	Hoyt Street			
27 Dowagiac Creek M-62 (west) 76.6 10.2	26	Unnamed tributary <sup>1</sup>	M-51			
27 Dowagiae Creek 191-02 (west) 70.0 10.2	27	Dowagiac Creek	M-62 (west)	76.6	10.2	78.7

28	Dowagiac Creek <sup>1</sup>	Cass Avenue			
29	Dowagiac Creek	M-62 (east)	74.7	23.0	77.6
30	Dowagiac Creek <sup>2</sup>	Kelsey Lake Street			
31	Dowagiac Creek	Decatur Road	67.9	17.9	70.9
32	Dowagiac Creek	Goodenough Road	71.2	14.2	74.6

<sup>&</sup>lt;sup>1</sup> Temperature loggers were stolen or washed downstream
<sup>2</sup> Logger malfunctioned

Table X.–Mean July water temperatures, mean daily maximum water temperatures in July, and mean water temperatures during the hottest week (July 14-20) at various sites within the Dowagiac River watershed in 2013. All temperatures are in degrees Fahrenheit.

C:4 - 11	Change	Normant'	Mean July water	Mean weekly temperature range in	Mean water temperature during
Site #	Stream  Dowagiac River	Nearest road crossing 46 <sup>th</sup> Street	temperature 66.6	July 9.9	hottest week 70.5
2	Dowagiac River	Dewey Lake Street	66.6	12.2	70.3
3	Dowagiac River	Middle Crossing Road	65.9	8.0	70.3
<i>3</i>	Dowagiac River	Frost Road	68.8	7.9	73.6
5	Dowagiac River	Dodd Park	67.1	7.9	71.3
	Dowagiac River	Kinzie Road	65.8	6.5	69.4
6 7	E		63.8 67.4	8.4	71.6
	Downgiac River	Losensky Park M-139 canoe launch		9.1	
8	Dowagiac River <sup>1</sup> Red Run		67.5		71.8
9		Valley Road 92 <sup>nd</sup> Avenue	63.2	8.9	66.9
10	Lake of the Woods Drain <sup>2</sup>			12.0	 (1.7
11	Glenwood Creek <sup>3</sup>	Twin Lakes Road	59.4	12.8	61.5
12	Unnamed tributary <sup>4</sup>	Twin Lakes Road	52.2	16.8	56.6
13	Silver Creek <sup>3</sup>	Downey Street	68.9	16.6	74.1
14	Cook Lake Drain <sup>3</sup>	M-51	69.2	13.2	73.3
15	Unnamed tributary <sup>3</sup>	Indian Trail	69.1	18.1	72.4
16	Osborn Drain <sup>5</sup>	Dewey Lake Street	62.3	8.5	65.1
17	Indian Lake Outlet <sup>6</sup>	Garret Road			
18	Unnamed tributary <sup>4</sup>	Frost Road	61.3	10.4	64.5
19	Peavine Creek	Champlain Road	61.1	9.9	64.6
20	Pokagon Creek	Wood Road	67.3	11.9	72.7
21	Kimmerlee Creek <sup>3</sup>	Old Mill Road	60.5	10.4	63.4
22	McKinzie Creek <sup>3</sup>	M-51	69.1	9.7	72.9
23	McKinzie Creek <sup>6</sup>	Thompson Road			
24	McKinzie Creek <sup>6</sup>	Barron Lake Road			
25	McKinzie Creek <sup>4</sup>	Hoyt Street	66.0	14.1	70.0
26	Unnamed tributary <sup>6</sup>	M-51			
27	Dowagiac Creek	M-62 (west)	73.6	9.8	78.5

28	Dowagiac Creek <sup>5</sup>	Cass Avenue	72.8	10.4	77.6
29	Dowagiac Creek <sup>5</sup>	M-62 (east)	69.8	16.9	75.1
30	Dowagiac Creek <sup>5</sup>	Kelsey Lake Street	63.9	9.2	68.1
31	Dowagiac Creek	Decatur Road	61.1	9.5	63.4
32	Dowagiac Creek <sup>5</sup>	Goodenough Road	73.2	8.9	78.3

<sup>1</sup> Logger began recording on July 2<sup>nd</sup>
2 Temperature loggers were stolen or washed downstream
3 Logger began recording on July 9<sup>th</sup>
4 Logger began recording on July 11<sup>th</sup>
5 Logger began recording on July 3<sup>rd</sup>
6 No loggers deployed at these sites during July 2013

Table X.—Mean July water temperatures, mean weekly temperature ranges in July, and mean water temperatures during the hottest week (July 7-13) at various sites within the Dowagiac River watershed in 2014. All temperatures are in degrees Fahrenheit.

G: "	G.	N	Mean July water	Mean weekly temperature range in	Mean water temperature during
Site #	Stream	Nearest road crossing	temperature	July	hottest week
1	Dowagiac River	46 <sup>th</sup> Street	64.3	14.7	65.4
2	Dowagiac River	Dewey Lake Street	64.2	8.9	65.5
3	Dowagiac River	Middle Crossing Road	63.5	8.6	64.7
4	Dowagiac River	Frost Road	66.2	6.1	67.5
5	Dowagiac River	Dodd Park	65.5	5.9	66.6
6	Dowagiac River	Kinzie Road	65.1	5.9	66.2
7	Dowagiac River	Losensky Park	65.4	6.4	66.5
8	Dowagiac River	M-139 canoe launch	65.3	5.4	66.3
9	Red Run	Valley Road	61.3	11.1	62.3
10	Lake of the Woods Drain <sup>1</sup>	92 <sup>nd</sup> Avenue	65.8	14.0	68.2
11	Glenwood Creek	Twin Lakes Road	59.3	14.4	60.0
12	Unnamed tributary <sup>2</sup>	Twin Lakes Road			
13	Silver Creek	Downey Street	67.8	13.8	69.7
14	Cook Lake Drain	M-51	67.2	12.1	68.4
15	Unnamed tributary <sup>1</sup>	Indian Trail	65.4	17.0	66.7
16	Osborn Drain <sup>3</sup>	Dewey Lake Street	61.1	9.6	62.5
17	Indian Lake Outlet <sup>4</sup>	Garret Road			
18	Unnamed tributary <sup>1</sup>	Frost Road	59.8	12.9	61.1
19	Peavine Creek	Champlain Road	59.7	10.7	60.5
20	Pokagon Creek	Wood Road			
21	Kimmerlee Creek	Old Mill Road			
22	McKinzie Creek	M-51	65.8	8.7	67.1
23	McKinzie Creek <sup>4</sup>	Thompson Road			
24	McKinzie Creek <sup>4</sup>	Barron Lake Road			
25	McKinzie Creek <sup>2</sup>	Hoyt Street			
26	Unnamed tributary <sup>4</sup>	M-51			
27	Dowagiac Creek	M-62 (west)	71.4	8.8	72.5

28	Dowagiac Creek	Cass Avenue	74.5	8.7	75.4
29	Dowagiac Creek	M-62 (east)	67.4	17.1	68.9
30	Dowagiac Creek <sup>5</sup>	Kelsey Lake Street			
31	Dowagiac Creek <sup>6</sup>	Decatur Road	66.5	13.9	68.2
32	Dowagiac Creek	Goodenough Road	69.7	9.2	71.5

<sup>1</sup> Logger began recording on July 8<sup>th</sup>
2 Logger malfunctioned
3 Logger began recording on July 7<sup>th</sup>
4 No loggers deployed at these sites during July 2014
5 Logger became buried in sediment
6 Beaver dam constructed a short distance upstream of logger