



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Water Resources Discipline
8505 Research Way
Middleton, WI 53562-3586
Phone: (608) 828-9901
Fax: (608) 821-3817
<http://wi.water.usgs.gov>

Mr. Dan Duchniak, P.E.
General Manager
Waukesha Water Utility
P.O. Box 1648
Waukesha, WI 53187-1648

12/19/2014

Dear Mr. Duchniak,

The low flow statistics that you requested for the Root River near Caledonia at 60th St. (USGS station ID #04087234, drainage area = 127 mi², lat. 42°51'19.5", long. 87°59'21.7") are listed in the table below. Please note that the annual low-flow statistics are less than the individual monthly low-flow statistics. This is a necessary result of the calculations; shorter periods examined will always have values equal to or greater than longer periods. Given this, you should be cautious how you use these statistics. The streamgages on the Root River at Racine (04087240) and Franklin (04087220) were used as reference sites when determining these low-flow estimates.

Low-flow statistic period	7Q2 (in cfs)	7Q10 (in cfs)
Annual	4.2	2.4
Jan	12.2	4.8
Feb	12.4	4.8
Mar	30	10.9
Apr	31	18.1
May	26	11.6
Jun	14.7	5.3
Jul	8.1	3.6
Aug	6.3	3.3
Sep	6.8	2.4
Oct	7.3	3.2
Nov	11.9	5.1
Dec	13.1	5.7

As specified in the Funding Agreement, you will be billed \$800 for these calculations. Please feel free to contact me if you have any questions.

Thanks,

Rob Waschbusch

US Geological Survey – Hydrologist
(608) 821-3868