



MEMO

To: File

From: Evan Pilachowski, City Engineer 

Date: May 27, 2010

Re: Moon Brook and Mettawee River Comparison

The 2010 draft 303(d) list of water includes information on temperature impairment on the Mettawee River. Evidence of temperature impairment from 1995 was included and listed 180 hours with temperatures over 25 degrees C, 46 hours with temperatures over 27 degrees C, 5 hours with temperatures over 29 degrees C, and 2 hours with temperatures over 30 degrees C.

Temperature data from 2007 (the last "normal" year of temperatures and precipitation with complete data) shows that Moon Brook had approximately 200 hours with temperatures over 25 degrees C, 50 hours with temperatures over 27 degrees C, and zero hours over 29 degrees C. While the temperature similarities between the two water bodies is remarkable, there can be many variables from one year to the next which should be taken into account if the information is available. At the very least this information is more evidence that Moon Brook is temperature impaired and that the State of Vermont has acknowledged temperature as the sole pollutant in similar circumstances.