

APPENDIX H

COMPARISON OF SEASONAL KENDALL STUDIES MINNESOTA RIVER

The following tables summarize Seasonal Kendall Trend Analyses performed by three different studies: Minnesota Pollution Control Agency (Christopherson, MPCA, 2002), University of Minnesota (Johnson, 2006) and Minnesota State University, Mankato Water Resources Center (Sanjel, 2009).

Percent overall change for selected Minnesota River sites

TSS

	Fort Snelling 1976-2001	Jordan 1976-2001	Blue Earth 1967-2001	St. Peter 1971-2006	Judson 1998-2008
MCPA (Christopherson)	-40%	-31%	-49%	n/a	n/a
UM (Johnson)	-48%	-39%	-52%	n/a	n/a
MSU-WRC (Sanjel)	n/a	n/a	No Trend	-30%	-28%

NITRATE-N

	Fort Snelling 1976-2001	Jordan 1976-2001	Blue Earth 1967-2001	St. Peter 1998-2008	Judson 1998-2008
MCPA (Christopherson)	No Trend	No Trend	No Trend	n/a	n/a
UM (Johnson)	No Trend	-39%	No Trend	n/a	n/a
MSU-WRC (Sanjel)	n/a	n/a	No Trend	-14%	+37

TOTAL PHOSPHORUS

	Fort Snelling 1976-2001	Jordan 1976-2001	Blue Earth 1967-2001	St. Peter 1998-2008	Judson 1998-2008
MCPA (Christopherson)	-35%	No Trend	-47%	n/a	n/a
UM (Johnson)	-37%	-24%	-52%	n/a	n/a
MSU-WRC (Sanjel)	n/a	n/a	1999-08 -45%	1998-08 -30% 1971-06 -47%	No Trend