

Table B-1.2m: Mann Kendall Test - Kingston Pumping Station

	837	819.1	973.6	888.5	886.4	928	1025.2	895.2	956.5	1011.1	925.6	989.4	997.2	1015.1	1049.1	903	901.7	1070.3	1126.2	865.3	850.6	790.5	983.8	1084.8	968.8	973.7	1122.4	1023	903.7	840.8	1119	719.6	906.9	922.2			
837																																					
819.1	-1																																				
973.6	1	1																																			
888.5	1	-1	1																																		
886.4	1	-1	-1	1																																	
928	1	-1	-1	1	1																																
1025.2	1	1	1	1	1	1																															
895.2	-1	-1	-1	-1	-1	-1	-1																														
956.5	1	1	1	1	1	1	1	1																													
1011.1	1	1	1	1	1	1	1	1	1																												
925.6	1	1	1	1	1	1	1	1	1	1																											
989.4	1	1	1	1	1	1	1	1	1	1	1																										
997.2	1	1	1	1	1	1	1	1	1	1	1	1																									
1015.1	1	1	1	1	1	1	1	1	1	1	1	1	1																								
1049.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																							
903	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																						
901.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																					
1070.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																				
1126.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																			
865.3	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
850.6	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
790.5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
983.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1084.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
968.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
973.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1122.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1023	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
903.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
840.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1119	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
719.6	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
906.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
922.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

S=	61
T=	-1
N=	34
I=	0
V(S)=	4550
UC=	0.889

No Trend

Table B-1.2n: Mann Kendall Test - Delta

	926.8	898.9	1049.1	905.3	1012.6	877.3	826.8	901.9	1088.6	729.7	748.5	862.3
926.8												
898.9	-1											
1049.1	1	1										
905.3	-1	1	-1									
1012.6	1	1	-1	1								
877.3	-1	-1	-1	-1	-1							
826.8	-1	-1	-1	-1	-1	-1						
901.9	-1	1	-1	-1	-1	1	1					
1088.6	1	1	1	1	1	1	1	1				
729.7	-1	-1	-1	-1	-1	-1	-1	-1	-1			
748.5	-1	-1	-1	-1	-1	-1	-1	-1	-1	1		
862.3	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	

S=	-24
m=	1
N=	12
n=	0
V(S)=	212.7
uc=	-1.577

No Trend

Table B-1.2c: Mann Kendall Test - Lyndhurst

892.4	1018.9	1047.2	1083.8	1151.8	872	861.9	1037.9	887	1155.2	928.6	887.9	893.2	989.8	1060.3	975	1028.5	895.5	782.3	1013.2	1026.4	1122.5	855.9
1																						
1018.9	1																					
1047.2	1	1																				
1083.8	1	1	1																			
1151.8	1	1	1	1																		
872	-1	-1	-1	-1	1																	
861.9	-1	-1	-1	-1	-1	1																
1037.9	1	-1	-1	-1	1	1																
887	-1	-1	-1	-1	1	1	-1															
1155.2	1	1	1	1	1	1	1	1														
928.6	1	-1	-1	-1	1	1	-1	-1	-1													
887.9	-1	-1	-1	-1	1	1	-1	-1	-1	-1												
893.2	1	-1	-1	-1	1	1	-1	-1	-1	-1	1											
989.8	1	-1	-1	-1	1	1	-1	-1	-1	-1	1	1										
1060.3	1	1	1	1	1	1	1	1	1	1	1	1	1									
975	1	-1	-1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1								
1028.5	1	-1	-1	-1	1	1	-1	-1	-1	-1	1	1	1	-1	1							
895.5	1	-1	-1	-1	1	1	-1	-1	-1	-1	1	1	1	-1	1	-1						
782.3	-1	-1	-1	-1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
1013.2	1	-1	-1	-1	1	1	-1	-1	-1	-1	1	1	1	-1	1	1	1	1				
1026.4	1	1	-1	-1	1	1	-1	-1	-1	-1	1	1	1	-1	1	1	1	1	1			
1122.5	1	1	1	1	-1	1	1	1	-1	-1	1	1	1	1	1	1	1	1	1	1	1	1
855.9	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

S=	-9
m=	-1
N=	23
n=	0
V(S)=	1433.7
uc=	-0.264

No Trend

Table B-1.2p: Mann Kendall Test - Mallorytown Graham Lake

	928.6	916.1	957.5	910.1	911.9	981.7	1015.4	839	1088.1	886	804.5	975.5	788.9	847.8	674.3	614.9
928.6																
916.1	-1															
957.5	1	1														
910.1	-1	-1	-1													
911.9	-1	-1	-1	1												
981.7	1	1	1	1												
1015.4	1	1	1	1	1											
839	-1	-1	-1	-1	-1	-1										
1088.1	1	1	1	1	1	1	1									
886	-1	-1	-1	-1	-1	-1	-1	1								
804.5	-1	-1	-1	-1	-1	-1	-1	-1	-1							
975.5	1	1	1	1	1	1	1	1	1	1						
788.9	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
847.8	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1				
674.3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
614.9	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	

S=	-52
m=	1
N=	16
n=	0
V(S)=	493.3
uc=	-2.296

Trend

Table B-1.2q: Mann Kendall Test - Mallorytown Landing

	1041.4	1067.5	1059.6	926.6	917.7	1059.7	993.8	911.9	870	928	1007.5
1041.4											
1067.5	1										
1059.6	1	-1									
926.6	-1	-1	-1								
917.7	-1	-1	-1	-1							
1059.7	1	-1	1	1	1						
993.8	-1	-1	-1	1	1	-1					
911.9	-1	-1	-1	-1	-1	-1	-1				
870	-1	-1	-1	-1	-1	-1	-1	-1			
928	-1	-1	-1	1	1	-1	-1	1	1		
1007.5	-1	-1	-1	1	1	-1	-1	1	1	1	

S=	-19
m=	1
N=	11
n=	0
V(S)=	165
uc=	-1.401

No Trend

Table B-1.2r: Mann Kendall Test - Brockville

967.5	908	1071.7	956.6	1032.4	1029.9	925.8	1129.9	1002.3	1018.3	968.8	1061.8	905.2	805.6	930.7	1056.5	861.1	820	1018.1	1084.3	1013.8	846.2	1016	773	1239.6	1099	944.9	844.5	1121.4	775.2	961.8	935.6		
967.5	-1																																
908	1																																
1071.7	1																																
956.6	-1	-1																															
1032.4	1	-1	1																														
1029.9	1	-1	1	-1																													
925.8	-1	-1	-1	-1	-1																												
1129.9	1	1	1	1	1	1																											
1002.3	1	-1	1	-1	-1	-1	-1																										
1018.3	1	-1	1	-1	-1	-1	-1	1																									
968.8	1	-1	1	-1	-1	-1	-1	-1	-1																								
1061.8	1	-1	1	-1	-1	-1	-1	-1	-1	1																							
905.2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																							
805.6	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																						
930.7	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																					
1056.5	1	-1	1	-1	-1	-1	-1	-1	-1	-1	1																						
861.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																					
820	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																				
1018.1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																			
1084.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																		
1013.8	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																	
846.2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																
1016	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															
773	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
1239.6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1099	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
944.9	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
844.5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1121.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
775.2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
961.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
935.6	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

S=	-52
m=	1
N=	32
n=	0
V(S)=	38027
uc=	-0.827

No Trend







B-2 – Rain



