Station	**5213B01**	
Sen's test		
n	101	Number of datapoints
N'	5050	Number of slopes
S	-0.0021	Median slope (Sen's slope estimate)
var(S)	116146	variance of S
M1	2244.69	Rank M1
Q(2244.69)	-0.0039	Lower confidence level of slopes
M2	2805.31	Rank M2
Q(2805.31)	-0.0002	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	101	Number of datapoints
S	-646	Mann Kendall test statistic
Var(S)	116146	Variance
Z, z(1-a)	-1.8926, 1.	Normal approximation
Probability	0.0292	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5304G01**	
Sen's test		
n	36	Number of datapoints
N'	630	Number of slopes
S	0.0029	Median slope (Sen's slope estimate)
var(S)	5388	variance of S
M1	254.626	Rank M1
Q(254.626)	-0.0042	Lower confidence level of slopes
M2	375.374	Rank M2
Q(375.374)	0.01	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	36	Number of datapoints
S	43	Mann Kendall test statistic
Var(S)	5388	Variance
Z, z(1-a)	0.5722, 1.6	Normal approximation
Probability	0.2836	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5307M01**	
Sen's test		
n	40	Number of datapoints
N'	780	Number of slopes
S	-0.0078	Median slope (Sen's slope estimate)
var(S)	7365.667	variance of S
M1	319.4102	Rank M1
Q(319.4102	-0.01	Lower confidence level of slopes
M2	460.5898	Rank M2
Q(460.5898	-0.0056	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	40	Number of datapoints
S	-402	Mann Kendall test statistic
Var(S)	7365.667	Variance
Z, z(1-a)	-4.6724, 1.	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5415E03**	
# Sen's test		
n	11	Number of datapoints
N'	55	Number of slopes
S	0.007	Median slope (Sen's slope estimate)
var(S)	165	variance of S
M1	16.9348	Rank M1
Q(16.9348)	-0.012	Lower confidence level of slopes
M2	38.0652	Rank M2
Q(38.0652)	0.0279	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	11	Number of datapoints
S	11	Mann Kendall test statistic
Var(S)	165	Variance
Z, z(1-a)	0.7785, 1.6	Normal approximation
Probability	0.2182	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5426L01**	
Sen's test		
n	121	Number of datapoints
N'	7260	Number of slopes
S	-0.0015	Median slope (Sen's slope estimate)
var(S)	199243.7	variance of S
M1	3262.863	Rank M1
Q(3262.863)	-0.0057	Lower confidence level of slopes
M2	3997.137	Rank M2
Q(3997.137)	0.0029	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	121	Number of datapoints
S	-256	Mann Kendall test statistic
Var(S)	199243.7	Variance
Z, z(1-a)	-0.5713, 1.	Normal approximation
Probability	0.2839	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5427L01**	
Sen's test		
n	77	Number of datapoints
N'	2926	Number of slopes
S	-0.0135	Median slope (Sen's slope estimate)
var(S)	51691.67	variance of S
M1	1275.998	Rank M1
Q(1275.998)	-0.0179	Lower confidence level of slopes
M2	1650.002	Rank M2
Q(1650.002)	-0.0084	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	77	Number of datapoints
S	-845	Mann Kendall test statistic
Var(S)	51691.67	Variance
Z, z(1-a)	-3.7122, 1.	Normal approximation
Probability	0.0001	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5308A02**	
Sen's test		
n	91	Number of datapoints
N'	4095	Number of slopes
S	-0.0052	Median slope (Sen's slope estimate)
var(S)	85082	variance of S
M1	1807.586	Rank M1
Q(1807.586	-0.0061	Lower confidence level of slopes
M2	2287.414	Rank M2
Q(2287.414	-0.0041	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	91	Number of datapoints
S	-2125	Mann Kendall test statistic
Var(S)	85082	Variance
Z, z(1-a)	-7.2817, 1.	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5308H01**	
Sen's test		
n	42	Number of datapoints
N'	861	Number of slopes
S	-0.0056	Median slope (Sen's slope estimate)
var(S)	8513.333	variance of S
M1	354.6098	Rank M1
Q(354.6098	-0.0091	Lower confidence level of slopes
M2	506.3902	Rank M2
Q(506.3902	-0.0018	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	42	Number of datapoints
S	-210	Mann Kendall test statistic
Var(S)	8513.333	Variance
Z, z(1-a)	-2.2651, 1.	Normal approximation
Probability	0.0118	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5310Q10**	
Sen's test		
n	23	Number of datapoints
N'	253	Number of slopes
S	-0.008	Median slope (Sen's slope estimate)
var(S)	1433.667	variance of S
M1	95.357	Rank M1
Q(95.357)	-0.0173	Lower confidence level of slopes
M2	157.643	Rank M2
Q(157.643)	0.0003	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	23	Number of datapoints
S	-56	Mann Kendall test statistic
Var(S)	1433.667	Variance
Z, z(1-a)	-1.4526, 1.	Normal approximation
Probability	0.0732	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5505D01**	
Sen's test		
n	47	Number of datapoints
N'	1081	Number of slopes
S	0.0073	Median slope (Sen's slope estimate)
var(S)	11891	variance of S
M1	450.8098	Rank M1
Q(450.8098)	0.002	Lower confidence level of slopes
M2	630.1902	Rank M2
Q(630.1902)	0.0128	Upper confidence level of slopes
Result	Hypothesis of increasing trend accepted	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	47	Number of datapoints
S	236	Mann Kendall test statistic
Var(S)	11891	Variance
Z, z(1-a)	2.1551, 1.6	Normal approximation
Probability	0.0156	Probability associated with S for
Result	Hypothesis of increasing trend accepted	
	Hypothesis of decreasing trend rejected	

Station	**5507A04**	
Sen's test		
n	50	Number of datapoints
N'	1225	Number of slopes
S	-0.0027	Median slope (Sen's slope estimate)
var(S)	14286.67	variance of S
M1	514.1891	Rank M1
Q(514.1891)	-0.0042	Lower confidence level of slopes
M2	710.8109	Rank M2
Q(710.8109)	-0.0009	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	50	Number of datapoints
S	-298	Mann Kendall test statistic
Var(S)	14286.67	Variance
Z, z(1-a)	-2.4848, 1.	Normal approximation
Probability	0.0065	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5507H01**	
Sen's test		
n	48	Number of datapoints
N'	1128	Number of slopes
S	0	Median slope (Sen's slope estimate)
var(S)	12658.67	variance of S
M1	471.4599	Rank M1
Q(471.4599)	-0.0016	Lower confidence level of slopes
M2	656.5401	Rank M2
Q(656.5401)	0.0015	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	48	Number of datapoints
S	-5	Mann Kendall test statistic
Var(S)	12658.67	Variance
Z, z(1-a)	-0.0356, 1.	Normal approximation
Probability	0.4858	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5311J05**	
Sen's test		
n	55	Number of datapoints
N'	1485	Number of slopes
S	-0.0028	Median slope (Sen's slope estimate)
var(S)	18972	variance of S
M1	629.2098	Rank M1
Q(629.2098	-0.0048	Lower confidence level of slopes
M2	855.7902	Rank M2
Q(855.7902	-0.0007	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	55	Number of datapoints
S	-296	Mann Kendall test statistic
Var(S)	18972	Variance
Z, z(1-a)	-2.1417, 1.	Normal approximation
Probability	0.0161	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5311J07**	
Sen's test		
n	52	Number of datapoints
N'	1326	Number of slopes
S	-0.0025	Median slope (Sen's slope estimate)
var(S)	16057.33	variance of S
M1	558.7748	Rank M1
Q(558.7748	-0.0044	Lower confidence level of slopes
M2	767.2252	Rank M2
Q(767.2252	-0.0006	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	52	Number of datapoints
S	-277	Mann Kendall test statistic
Var(S)	16057.33	Variance
Z, z(1-a)	-2.1781, 1.	Normal approximation
Probability	0.0147	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5312C01**	
Sen's test		
n	43	Number of datapoints
N'	903	Number of slopes
S	0	Median slope (Sen's slope estimate)
var(S)	9130.333	variance of S
M1	372.9078	Rank M1
Q(372.9078	-0.0025	Lower confidence level of slopes
M2	530.0922	Rank M2
Q(530.0922	0.0044	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	43	Number of datapoints
S	3	Mann Kendall test statistic
Var(S)	9130.333	Variance
Z, z(1-a)	0.0209, 1.6	Normal approximation
Probability	0.4917	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5508M01**	
Sen's test		
n	49	Number of datapoints
N'	1176	Number of slopes
S	0	Median slope (Sen's slope estimate)
var(S)	13457.67	variance of S
M1	492.5841	Rank M1
Q(492.5841)	-0.0006	Lower confidence level of slopes
M2	683.4159	Rank M2
Q(683.4159)	0.0005	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	49	Number of datapoints
S	-21	Mann Kendall test statistic
Var(S)	13457.67	Variance
Z, z(1-a)	-0.1724, 1.	Normal approximation
Probability	0.4316	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5508M02**	
Sen's test		
n	52	Number of datapoints
N'	1326	Number of slopes
S	0.0003	Median slope (Sen's slope estimate)
var(S)	16058.33	variance of S
M1	558.7716	Rank M1
Q(558.7716)	-0.0003	Lower confidence level of slopes
M2	767.2284	Rank M2
Q(767.2284)	0.0009	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	52	Number of datapoints
S	128	Mann Kendall test statistic
Var(S)	16058.33	Variance
Z, z(1-a)	1.0022, 1.6	Normal approximation
Probability	0.1581	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5515C01**	
Sen's test		
n	50	Number of datapoints
N'	1225	Number of slopes
S	-0.0092	Median slope (Sen's slope estimate)
var(S)	14291.67	variance of S
M1	514.172	Rank M1
Q(514.172)	-0.0164	Lower confidence level of slopes
M2	710.828	Rank M2
Q(710.828)	-0.0027	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	50	Number of datapoints
S	-263	Mann Kendall test statistic
Var(S)	14291.67	Variance
Z, z(1-a)	-2.1916, 1.	Normal approximation
Probability	0.0142	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5312H01**	
Sen's test		
n	103	Number of datapoints
N'	5253	Number of slopes
S	0.0071	Median slope (Sen's slope estimate)
var(S)	123151.7	variance of S
M1	2337.86	Rank M1
Q(2337.86)	0.0056	Lower confidence level of slopes
M2	2915.14	Rank M2
Q(2915.14)	0.0088	Upper confidence level of slopes
Result	Hypothesis of increasing trend accepted	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	103	Number of datapoints
S	2421	Mann Kendall test statistic
Var(S)	123151.7	Variance
Z, z(1-a)	6.896, 1.64	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend accepted	
	Hypothesis of decreasing trend rejected	

Station	**5315L01**	
Sen's test		
n	43	Number of datapoints
N'	903	Number of slopes
S	-0.0156	Median slope (Sen's slope estimate)
var(S)	9130.333	variance of S
M1	372.9078	Rank M1
Q(372.9078	-0.0183	Lower confidence level of slopes
M2	530.0922	Rank M2
Q(530.0922	-0.0125	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	43	Number of datapoints
S	-546	Mann Kendall test statistic
Var(S)	9130.333	Variance
Z, z(1-a)	-5.7037, 1.	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5322A01**	
Sen's test		
n	56	Number of datapoints
N'	1540	Number of slopes
S	-0.0175	Median slope (Sen's slope estimate)
var(S)	20019	variance of S
M1	653.6257	Rank M1
Q(653.6257	-0.0218	Lower confidence level of slopes
M2	886.3743	Rank M2
Q(886.3743	-0.0127	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	56	Number of datapoints
S	-779	Mann Kendall test statistic
Var(S)	20019	Variance
Z, z(1-a)	-5.4987, 1.	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5517D05**	
Sen's test		
n	60	Number of datapoints
N'	1770	Number of slopes
S	-0.0052	Median slope (Sen's slope estimate)
var(S)	24582.33	variance of S
M1	756.0422	Rank M1
Q(756.0422)	-0.0079	Lower confidence level of slopes
M2	1013.958	Rank M2
Q(1013.958)	-0.003	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	60	Number of datapoints
S	-573	Mann Kendall test statistic
Var(S)	24582.33	Variance
Z, z(1-a)	-3.6482, 1.	Normal approximation
Probability	0.0001	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5518R01**	
Sen's test		
n	60	Number of datapoints
N'	1770	Number of slopes
S	-0.0115	Median slope (Sen's slope estimate)
var(S)	24583.33	variance of S
M1	756.0396	Rank M1
Q(756.0396)	-0.0161	Lower confidence level of slopes
M2	1013.96	Rank M2
Q(1013.96)	-0.0066	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	60	Number of datapoints
S	-574	Mann Kendall test statistic
Var(S)	24583.33	Variance
Z, z(1-a)	-3.6546, 1.	Normal approximation
Probability	0.0001	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**6211K01**	
Sen's test		
n	47	Number of datapoints
N'	1081	Number of slopes
S	-0.0059	Median slope (Sen's slope estimate)
var(S)	11889	variance of S
M1	450.8173	Rank M1
Q(450.8173)	-0.008	Lower confidence level of slopes
M2	630.1827	Rank M2
Q(630.1827)	-0.0046	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	47	Number of datapoints
S	-570	Mann Kendall test statistic
Var(S)	11889	Variance
Z, z(1-a)	-5.2184, 1.	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5322A03**	
Sen's test		
n	53	Number of datapoints
N'	1378	Number of slopes
S	-0.0194	Median slope (Sen's slope estimate)
var(S)	16995.33	variance of S
M1	581.7739	Rank M1
Q(581.7739	-0.0227	Lower confidence level of slopes
M2	796.2261	Rank M2
Q(796.2261	-0.016	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	53	Number of datapoints
S	-792	Mann Kendall test statistic
Var(S)	16995.33	Variance
Z, z(1-a)	-6.0675, 1.	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5322F01**	
Sen's test		
n	98	Number of datapoints
N'	4753	Number of slopes
S	-0.0081	Median slope (Sen's slope estimate)
var(S)	106150.3	variance of S
M1	2108.524	Rank M1
Q(2108.524	-0.0125	Lower confidence level of slopes
M2	2644.476	Rank M2
Q(2644.476	-0.0046	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	98	Number of datapoints
S	-1176	Mann Kendall test statistic
Var(S)	106150.3	Variance
Z, z(1-a)	-3.6064, 1.	Normal approximation
Probability	0.0002	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**53230E01**	
Sen's test		
n	37	Number of datapoints
N'	666	Number of slopes
S	-0.04	Median slope (Sen's slope estimate)
var(S)	5846	variance of S
M1	270.1124	Rank M1
Q(270.1124	-0.0535	Lower confidence level of slopes
M2	395.8876	Rank M2
Q(395.8876	-0.0272	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	37	Number of datapoints
S	-301	Mann Kendall test statistic
Var(S)	5846	Variance
Z, z(1-a)	-3.9237, 1.	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**6320D01**	
Sen's test		
n	40	Number of datapoints
N'	780	Number of slopes
S	-0.0022	Median slope (Sen's slope estimate)
var(S)	7363.667	variance of S
M1	319.4198	Rank M1
Q(319.4198)	-0.0041	Lower confidence level of slopes
M2	460.5802	Rank M2
Q(460.5802)	0	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	40	Number of datapoints
S	-155	Mann Kendall test statistic
Var(S)	7363.667	Variance
Z, z(1-a)	-1.7946, 1.	Normal approximation
Probability	0.0364	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**6327N04**	
Sen's test		
n	34	Number of datapoints
N'	561	Number of slopes
S	-0.0178	Median slope (Sen's slope estimate)
var(S)	4550.333	variance of S
M1	225.0173	Rank M1
Q(225.0173)	-0.0365	Lower confidence level of slopes
M2	335.9827	Rank M2
Q(335.9827)	-0.0024	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	34	Number of datapoints
S	-141	Mann Kendall test statistic
Var(S)	4550.333	Variance
Z, z(1-a)	-2.0754, 1.	Normal approximation
Probability	0.019	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**6328H01**	
Sen's test		
n	54	Number of datapoints
N'	1431	Number of slopes
S	-0.0004	Median slope (Sen's slope estimate)
var(S)	17965	variance of S
M1	605.2574	Rank M1
Q(605.2574)	-0.005	Lower confidence level of slopes
M2	825.7426	Rank M2
Q(825.7426)	0.0026	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	54	Number of datapoints
S	-44	Mann Kendall test statistic
Var(S)	17965	Variance
Z, z(1-a)	-0.3208, 1.	Normal approximation
Probability	0.3742	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5324G01**	
Sen's test		
n	110	Number of datapoints
N'	5995	Number of slopes
S	-0.005	Median slope (Sen's slope estimate)
var(S)	149874	variance of S
M1	2679.081	Rank M1
Q(2679.081	-0.009	Lower confidence level of slopes
M2	3315.919	Rank M2
Q(3315.919	-0.0006	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	110	Number of datapoints
S	-740	Mann Kendall test statistic
Var(S)	149874	Variance
Z, z(1-a)	-1.9089, 1.	Normal approximation
Probability	0.0281	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5404A01**	
Sen's test		
n	11	Number of datapoints
N'	55	Number of slopes
S	0.0013	Median slope (Sen's slope estimate)
var(S)	163	variance of S
M1	16.999	Rank M1
Q(16.999)	-0.0023	Lower confidence level of slopes
M2	38.001	Rank M2
Q(38.001)	0.005	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	11	Number of datapoints
S	15	Mann Kendall test statistic
Var(S)	163	Variance
Z, z(1-a)	1.0966, 1.6	Normal approximation
Probability	0.1364	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5405K01**	
Sen's test		
n	29	Number of datapoints
N'	406	Number of slopes
S	-0.0043	Median slope (Sen's slope estimate)
var(S)	2842	variance of S
M1	159.1522	Rank M1
Q(159.1522	-0.0186	Lower confidence level of slopes
M2	246.8478	Rank M2
Q(246.8478	0.0075	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	29	Number of datapoints
S	-27	Mann Kendall test statistic
Var(S)	2842	Variance
Z, z(1-a)	-0.4877, 1.	Normal approximation
Probability	0.3129	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**6330J01**	
Sen's test		
n	39	Number of datapoints
N'	741	Number of slopes
S	-0.0083	Median slope (Sen's slope estimate)
var(S)	6833.667	variance of S
M1	302.5072	Rank M1
Q(302.5072)	-0.0127	Lower confidence level of slopes
M2	438.4928	Rank M2
Q(438.4928)	-0.0048	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	39	Number of datapoints
S	-264	Mann Kendall test statistic
Var(S)	6833.667	Variance
Z, z(1-a)	-3.1815, 1.	Normal approximation
Probability	0.0007	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**6331J01**	
Sen's test		
n	34	Number of datapoints
N'	561	Number of slopes
S	-0.0069	Median slope (Sen's slope estimate)
var(S)	4550.333	variance of S
M1	225.0173	Rank M1
Q(225.0173)	-0.0088	Lower confidence level of slopes
M2	335.9827	Rank M2
Q(335.9827)	-0.005	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	34	Number of datapoints
S	-250	Mann Kendall test statistic
Var(S)	4550.333	Variance
Z, z(1-a)	-3.6913, 1.	Normal approximation
Probability	0.0001	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**6436N01**	
Sen's test		
n	14	Number of datapoints
N'	91	Number of slopes
S	0.0327	Median slope (Sen's slope estimate)
var(S)	333.6667	variance of S
M1	30.4758	Rank M1
Q(30.4758)	-0.22	Lower confidence level of slopes
M2	60.5242	Rank M2
Q(60.5242)	0.1633	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	14	Number of datapoints
S	5	Mann Kendall test statistic
Var(S)	333.6667	Variance
Z, z(1-a)	0.219, 1.64	Normal approximation
Probability	0.4133	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5407C01**	
Sen's test		
n	24	Number of datapoints
N'	276	Number of slopes
S	0.0296	Median slope (Sen's slope estimate)
var(S)	1625.333	variance of S
M1	104.8406	Rank M1
Q(104.8406	0.0153	Lower confidence level of slopes
M2	171.1594	Rank M2
Q(171.1594	0.0431	Upper confidence level of slopes
Result	Hypothesis of increasing trend accepted	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	24	Number of datapoints
S	130	Mann Kendall test statistic
Var(S)	1625.333	Variance
Z, z(1-a)	3.1998, 1.6	Normal approximation
Probability	0.0007	Probability associated with S for
Result	Hypothesis of increasing trend accepted	
	Hypothesis of decreasing trend rejected	

Station	**5408N01**	
Sen's test		
n	71	Number of datapoints
N'	2485	Number of slopes
S	-0.0069	Median slope (Sen's slope estimate)
var(S)	40586.33	variance of S
M1	1076.799	Rank M1
Q(1076.799	-0.0089	Lower confidence level of slopes
M2	1408.201	Rank M2
Q(1408.201	-0.0045	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	71	Number of datapoints
S	-913	Mann Kendall test statistic
Var(S)	40586.33	Variance
Z, z(1-a)	-4.5269, 1.	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5409C02**	
Sen's test		
n	26	Number of datapoints
N'	325	Number of slopes
S	0.0025	Median slope (Sen's slope estimate)
var(S)	2058.333	variance of S
M1	125.1841	Rank M1
Q(125.1841	-0.0032	Lower confidence level of slopes
M2	199.8159	Rank M2
Q(199.8159	0.0053	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	26	Number of datapoints
S	41	Mann Kendall test statistic
Var(S)	2058.333	Variance
Z, z(1-a)	0.8817, 1.6	Normal approximation
Probability	0.189	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**6524R01**	
Sen's test		
n	40	Number of datapoints
N'	780	Number of slopes
S	-0.0076	Median slope (Sen's slope estimate)
var(S)	7366.667	variance of S
M1	319.4054	Rank M1
Q(319.4054)	-0.0164	Lower confidence level of slopes
M2	460.5946	Rank M2
Q(460.5946)	0.0004	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	40	Number of datapoints
S	-133	Mann Kendall test statistic
Var(S)	7366.667	Variance
Z, z(1-a)	-1.5379, 1.	Normal approximation
Probability	0.062	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**6525R01**	
Sen's test		
n	48	Number of datapoints
N'	1128	Number of slopes
S	-0.0054	Median slope (Sen's slope estimate)
var(S)	12658.67	variance of S
M1	471.4599	Rank M1
Q(471.4599)	-0.0075	Lower confidence level of slopes
M2	656.5401	Rank M2
Q(656.5401)	-0.0035	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	48	Number of datapoints
S	-448	Mann Kendall test statistic
Var(S)	12658.67	Variance
Z, z(1-a)	-3.973, 1.6	Normal approximation
Probability	0	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**6631M04**	
Sen's test		
n	72	Number of datapoints
N'	2556	Number of slopes
S	-0.0004	Median slope (Sen's slope estimate)
var(S)	42314	variance of S
M1	1108.809	Rank M1
Q(1108.809)	-0.0017	Lower confidence level of slopes
M2	1447.191	Rank M2
Q(1447.191)	0.0011	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	72	Number of datapoints
S	-114	Mann Kendall test statistic
Var(S)	42314	Variance
Z, z(1-a)	-0.5493, 1.	Normal approximation
Probability	0.2914	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5411R02**	
Sen's test		
n	47	Number of datapoints
N'	1081	Number of slopes
S	-0.0055	Median slope (Sen's slope estimate)
var(S)	11890	variance of S
M1	450.8135	Rank M1
Q(450.8135	-0.0074	Lower confidence level of slopes
M2	630.1865	Rank M2
Q(630.1865	-0.0034	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	47	Number of datapoints
S	-418	Mann Kendall test statistic
Var(S)	11890	Variance
Z, z(1-a)	-3.8242, 1.	Normal approximation
Probability	0.0001	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**5411R03**	
Sen's test		
n	49	Number of datapoints
N'	1176	Number of slopes
S	-0.0051	Median slope (Sen's slope estimate)
var(S)	13458.67	variance of S
M1	492.5805	Rank M1
Q(492.5805	-0.0076	Lower confidence level of slopes
M2	683.4194	Rank M2
Q(683.4194	-0.0026	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	
Mann-Kendall test		
n	49	Number of datapoints
S	-367	Mann Kendall test statistic
Var(S)	13458.67	Variance
Z, z(1-a)	-3.1549, 1.	Normal approximation
Probability	0.0008	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend accepted	

Station	**6631M07**	
Sen's test		
n	49	Number of datapoints
N'	1176	Number of slopes
S	-0.0014	Median slope (Sen's slope estimate)
var(S)	13457.67	variance of S
M1	492.5841	Rank M1
Q(492.5841)	-0.0046	Lower confidence level of slopes
M2	683.4159	Rank M2
Q(683.4159)	0.001	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	49	Number of datapoints
S	-135	Mann Kendall test statistic
Var(S)	13457.67	Variance
Z, z(1-a)	-1.1551, 1.	Normal approximation
Probability	0.124	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Station	**5411R04**	
Sen's test		
n	48	Number of datapoints
N'	1128	Number of slopes
S	-0.0012	Median slope (Sen's slope estimate)
var(S)	12658.67	variance of S
M1	471.4599	Rank M1
Q(471.4599)	-0.0062	Lower confidence level of slopes
M2	656.5401	Rank M2
Q(656.5401)	0.0025	Upper confidence level of slopes
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	
Mann-Kendall test		
n	48	Number of datapoints
S	-59	Mann Kendall test statistic
Var(S)	12658.67	Variance
Z, z(1-a)	-0.5155, 1.	Normal approximation
Probability	0.3031	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	