

Appendix D:
Spearman Trend Analysis

Hearts Content Brook- NF02ZL0002

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.177	112	-1.886	No		
COLORA	0.280	112	3.059	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.368	112	4.151	Up	2.326	0.01
O2D	0.009	103	0.090	No	2.576	0.005
PHL	0.022	112	0.231	No		
CAD	-0.018	111	-0.188	No		
NAD	-0.229	107	-2.411	Down		
MGD	-0.051	111	-0.533	No		
KD	0.029	107	0.297	No		
SO4IC	-0.069	112	-0.725	No		
CLD	-0.089	112	-0.937	No		
DOC	0.146	111	1.541	No		
PT	-0.329	110	-3.621	Down		
NO3NO2	-0.065	112	-0.683	No		
NT	0.119	105	1.216	No		
SID	0.061	103	0.614	No		
ALT	-0.125	112	-1.321	No		
AST	0.182	70	1.526	No		
BAT	-0.184	112	-1.963	Down		
BET	0.417	112	4.812	Up		
CDT	0.400	112	4.577	Up		
COT	0.076	110	0.792	No		
CRT	0.024	110	0.249	No		
CUT	-0.301	110	-3.280	Down		
FET	-0.117	110	-1.224	No		
HGT	-0.443	94	-4.740	Down		
LIT	-0.113	110	-1.182	No		
MNT	-0.171	110	-1.804	No		
MOT	0.262	110	2.821	Up		
NIT	0.089	110	0.929	No		
PBT	-0.208	110	-2.210	Down		
SET	-0.296	47	-2.079	Down		
SRT	-0.066	110	-0.687	No		
VT	0.079	110	0.824	No		
ZNT	-0.137	110	-1.437	No		
Total Up				5		
Total Down				7		
Total No				23		

Spout Cove Brook- NF02ZL0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.308	98	-3.172	Down	1.645	0.05
COLORA	0.224	98	2.252	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.543	98	6.336	Up	2.326	0.01
O2D	0.027	96	0.262	No	2.576	0.005
PHL	0.183	98	1.824	No		
CAD	-0.233	98	-2.348	Down		
NAD	-0.396	98	-4.225	Down		
MGD	-0.219	98	-2.199	Down		
KD	-0.163	98	-1.619	No		
SO4IC	-0.116	98	-1.144	No		
CLD	-0.279	98	-2.847	Down		
DOC	0.146	98	1.446	No		
PT	-0.205	98	-2.052	Down		
NO3NO2	-0.020	98	-0.196	No		
NT	0.076	92	0.723	No		
SID	0.131	89	1.233	No		
ALT	-0.008	97	-0.078	No		
AST	-0.429	55	-3.457	Down		
BAT	-0.235	97	-2.356	Down		
BET	-0.100	97	-0.980	No		
CDT	0.013	97	0.127	No		
COT	0.113	95	1.097	No		
CRT	-0.201	95	-1.979	Down		
CUT	-0.177	95	-1.734	No		
FET	0.149	95	1.453	No		
HGT	-0.427	79	-4.144	Down		
LIT	-0.085	95	-0.823	No		
MNT	0.241	95	2.395	Up		
MOT	-0.268	95	-2.683	Down		
NIT	-0.054	95	-0.522	No		
PBT	-0.447	95	-4.819	Down		
SET	-0.392	46	-2.826	Down		
SRT	-0.265	95	-2.650	Down		
VT	-0.214	95	-2.113	Down		
ZNT	-0.163	95	-1.593	No		
Total Up				3		
Total Down				15		
Total No				17		

Goulds Brook- NF02ZL0029

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	0.376	91	3.828	Up	1.645	0.05
COLORA	0.206	93	2.008	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	-0.036	93	-0.344	No	2.326	0.01
O2D	0.145	75	1.252	No	2.576	0.005
PHL	0.169	93	1.636	No		
CAD	0.185	87	1.736	No		
NAD	0.506	82	5.247	Up		
MGD	0.176	87	1.648	No		
KD	-0.272	82	-2.528	Down		
SO4IC	0.494	91	5.360	Up		
CLD	0.646	91	7.984	Up		
DOC	0.101	91	0.958	No		
PT	-0.608	92	-7.265	Down		
NO3NO2	-0.387	91	-3.959	Down		
NT	-0.568	86	-6.325	Down		
SID	-0.020	92	-0.190	No		
ALT	-0.184	93	-1.786	No		
AST	-0.183	83	-1.675	No		
BAT	0.020	93	0.191	No		
BET	0.433	93	4.582	Up		
CDT	0.341	93	3.460	Up		
COT	-0.208	91	-2.006	Down		
CRT	0.303	91	3.000	Up		
CUT	0.034	91	0.321	No		
FET	-0.159	91	-1.519	No		
HGT	-0.128	93	-1.231	No		
LIT	-0.102	91	-0.967	No		
MNT	-0.199	91	-1.916	No		
MOT	0.366	91	3.710	Up		
NIT	0.293	91	2.891	Up		
PBT	0.098	91	0.929	No		
SET	-0.218	47	-1.498	No		
SRT	0.189	91	1.816	No		
VT	-0.173	91	-1.657	No		
ZNT	0.269	91	2.635	Up		
Total Up				11		
Total Down				5		
Total No				19		

Broad Cove Brook- NF02ZM0020

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	0.319	113	3.546	Up	1.645	0.05
COLORA	0.322	113	3.583	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.408	113	4.708	Up	2.326	0.01
O2D	-0.110	99	-1.090	No	2.576	0.005
PHL	-0.026	114	-0.275	No		
CAD	0.095	112	1.001	No		
NAD	0.369	105	4.029	Up		
MGD	-0.067	112	-0.704	No		
KD	-0.116	105	-1.185	No		
SO4IC	-0.034	114	-0.360	No		
CLD	0.543	114	6.843	Up		
DOC	0.100	112	1.054	No		
PT	-0.145	113	-1.544	No		
NO3NO2	-0.002	113	-0.021	No		
NT	0.207	109	2.189	Up		
SID	0.042	105	0.427	No		
ALT	0.078	114	0.828	No		
AST	-0.036	73	-0.304	No		
BAT	0.148	114	1.584	No		
BET	0.478	114	5.759	Up		
CDT	0.306	114	3.402	Up		
COT	0.139	112	1.472	No		
CRT	0.105	112	1.107	No		
CUT	-0.246	112	-2.662	Down		
FET	0.099	112	1.043	No		
HGT	-0.344	96	-3.552	Down		
LIT	0.375	112	4.243	Up		
MNT	0.044	112	0.462	No		
MOT	0.318	112	3.518	Up		
NIT	0.201	112	2.152	Up		
PBT	-0.032	112	-0.336	No		
SET	-0.060	48	-0.408	No		
SRT	0.079	112	0.831	No		
VT	-0.113	112	-1.193	No		
ZNT	0.177	112	1.886	No		
Total Up						11
Total Down						2
Total No						22

Kelly's Brook- NF02ZM0144

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.383	74	-3.518	Down	1.645	0.05
COLORA	-0.324	74	-2.906	Down	-1.96<t<1.96	alpha 0.025 5% significance
TURB	-0.523	74	-5.207	Down	2.326	0.01
O2D	-0.233	56	-1.761	No	2.576	0.005
PHL	-0.011	75	-0.094	No		
CAD	-0.267	68	-2.251	Down		
NAD	-0.059	58	-0.442	No		
MGD	-0.376	68	-3.297	Down		
KD	-0.172	58	-1.307	No		
SO4IC	-0.320	73	-2.846	Down		
CLD	-0.325	72	-2.875	Down		
FD	-	-	-	-		
DOC	0.039	70	0.322	No		
PT	0.212	71	1.802	No		
NO3NO2	0.052	72	0.436	No		
NT	-0.410	66	-3.596	Down		
SID	-0.112	75	-0.963	No		
ALT	-0.159	75	-1.376	No		
AST	-0.197	75	-1.717	No		
BAT	-0.540	75	-5.482	Down		
BET	-0.297	75	-2.657	Down		
CDT	-0.254	75	-2.244	Down		
COT	-0.409	73	-3.777	Down		
CRT	-0.175	73	-1.498	No		
CUT	-0.121	73	-1.027	No		
FET	-0.211	73	-1.819	No		
HGT	-0.180	75	-1.563	No		
LIT	-0.553	73	-5.593	Down		
MNT	-0.538	73	-5.378	Down		
MOT	-0.292	73	-2.573	Down		
NIT	0.082	73	0.693	No		
PBT	-0.068	73	-0.574	No		
SET	-0.217	32	-1.218	No		
SRT	-0.476	73	-4.561	Down		
VT	-0.039	73	-0.329	No		
ZNT	-0.209	73	-1.801	No		
Total Up				0		
Total Down				16		
Total No				19		

Rennies River (@ Carnell Dr)- NF02ZM0016

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.072	132	-0.823	No	1.645	0.05
COLORA	0.388	133	4.818	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.262	133	3.107	Up	2.326	0.01
O2D	-0.026	113	-0.274	No	2.576	0.005
PHL	0.253	134	3.004	Up		
CAD	-0.168	125	-1.890	No		
NAD	0.094	114	0.999	No		
MGD	-0.331	126	-3.906	Down		
KD	-0.018	114	-0.191	No		
SO4IC	0.182	131	2.102	Up		
CLD	0.043	131	0.489	No		
FD	-	-	-	-		
DOC	0.195	130	2.249	Up		
PT	-0.503	132	-6.636	Down		
NO3NO2	0.372	130	4.534	Up		
NT	0.319	127	3.763	Up		
SID	0.108	124	1.200	No		
ALT	-0.029	133	-0.332	No		
AST	-0.108	91	-1.025	No		
BAT	-0.280	133	-3.338	Down		
BET	-0.014	133	-0.160	No		
CDT	-0.266	133	-3.158	Down		
COT	-0.411	131	-5.121	Down		
CRT	0.058	131	0.660	No		
CUT	0.030	131	0.341	No		
FET	-0.269	131	-3.172	Down		
HGT	-0.155	116	-1.675	No		
LIT	0.161	131	1.853	No		
MNT	-0.495	131	-6.470	Down		
MOT	0.403	131	5.001	Up		
NIT	-0.051	131	-0.580	No		
PBT	-0.378	131	-4.637	Down		
SET	-0.356	46	-2.527	Down		
SRT	-0.278	131	-3.287	Down		
VT	0.000	131	0.000	No		
ZNT	-0.125	131	-1.431	No		
Total Up				8		
Total Down				10		
Total No				17		

Mundy Pond- NF02ZM0109

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.249	79	-2.256	Down	1.645	0.05
COLORA	-0.288	79	-2.639	Down	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	-0.316	79	-2.923	Down	2.326	0.01
O2D	0.091	55	0.665	No	2.576	0.005
PHL	0.066	80	0.584	No		
CAD	-0.130	69	-1.073	No		
NAD	-0.223	57	-1.697	No		
MGD	-0.423	69	-3.821	Down		
KD	-0.480	57	-4.058	Down		
SO4IC	-0.069	78	-0.603	No		
CLD	-0.155	78	-1.368	No		
DOC	0.236	76	2.089	Up		
PT	-0.080	78	-0.700	No		
NO3NO2	-0.208	77	-1.842	No		
NT	-0.268	73	-2.344	Down		
SID	-0.168	79	-1.495	No		
ALT	-0.071	80	-0.629	No		
AST	-0.178	80	-1.598	No		
BAT	-0.442	80	-4.352	Down		
BET	-0.315	80	-2.931	Down		
CDT	-0.244	80	-2.222	Down		
COT	-0.410	78	-3.919	Down		
CRT	0.001	78	0.009	No		
CUT	-0.067	78	-0.585	No		
FET	-0.254	78	-2.289	Down		
HGT	-0.152	80	-1.358	No		
LIT	-0.588	78	-6.337	Down		
MNT	-0.474	78	-4.693	Down		
MOT	-0.039	78	-0.340	No		
NIT	-0.045	78	-0.393	No		
PBT	0.072	78	0.629	No		
SET	-0.066	30	-0.350	No		
SRT	-0.372	78	-3.494	Down		
VT	0.064	78	0.559	No		
ZNT	-0.311	78	-2.853	Down		
Total Up				1		
Total Down				15		
Total No				19		

Virginia (@ Outlet to Quidi Vidi Lake)- NF02ZM0014

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observation	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.159	132	-1.836	No	1.645	0.05
COLORA	0.395	132	4.902	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.309	132	3.704	Up	2.326	0.01
O2D	-0.111	112	-1.171	No	2.576	0.005
PHL	0.290	133	3.468	Up		
CAD	-0.270	125	-3.110	Down		
NAD	-0.005	113	-0.053	No		
MGD	-0.426	125	-5.222	Down		
KD	0.146	113	1.555	No		
SO4IC	0.175	130	2.011	Up		
CLD	-0.054	130	-0.612	No		
FD	-	-	-	-		
DOC	0.106	130	1.206	No		
PT	-0.299	132	-3.573	Down		
NO3NO2	0.362	129	4.376	Up		
NT	0.448	127	5.602	Up		
SID	-0.059	123	-0.650	No		
ALT	0.020	133	0.229	No		
AST	0.038	91	0.359	No		
BAT	-0.425	133	-5.374	Down		
BET	-0.172	133	-1.998	Down		
CDT	0.056	133	0.642	No		
COT	-0.318	131	-3.810	Down		
CRT	0.073	131	0.831	No		
CUT	0.147	131	1.688	No		
FET	0.078	131	0.889	No		
HGT	-0.076	116	-0.814	No		
LIT	0.094	131	1.072	No		
MNT	-0.100	131	-1.142	No		
MOT	0.344	131	4.161	Up		
NIT	-0.014	131	-0.159	No		
PBT	-0.091	131	-1.038	No		
SET	-0.444	47	-3.324	Down		
SRT	-0.403	131	-5.001	Down		
VT	-0.015	131	-0.170	No		
ZNT	-0.307	131	-3.664	Down		
Total Up						7
Total Down						9
Total No						19

Waterford River (@ Kilbride)- NF02ZM0009

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	0.146	129	1.663	No	1.645	0.05
COLORA	0.431	129	5.383	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.364	129	4.404	Up	2.326	0.01
O2D	-0.087	108	-0.899	No	2.576	0.005
PHL	0.217	130	2.515	Up		
CAD	-0.015	123	-0.165	No		
NAD	0.236	111	2.536	Up		
MGD	-0.203	123	-2.280	Down		
KD	0.130	111	1.369	No		
SO4IC	0.347	128	4.153	Up		
CLD	0.155	127	1.754	No		
FD	-	-	-	-		
DOC	0.188	126	2.131	Up		
PT	-0.236	128	-2.726	Down		
NO3NO2	0.466	127	5.888	Up		
NT	0.511	121	6.485	Up		
SID	0.077	120	0.839	No		
ALT	-0.059	130	-0.669	No		
AST	-0.021	92	-0.199	No		
BAT	-0.067	130	-0.760	No		
BET	0.250	130	2.921	Up		
CDT	0.015	130	0.170	No		
COT	-0.268	128	-3.123	Down		
CRT	-0.023	128	-0.258	No		
CUT	-0.182	128	-2.078	Down		
FET	-0.126	128	-1.426	No		
HGT	-0.209	113	-2.252	Down		
LIT	0.225	128	2.592	Up		
MNT	-0.333	128	-3.964	Down		
MOT	0.497	128	6.429	Up		
NIT	0.133	128	1.506	No		
PBT	-0.156	128	-1.773	No		
SET	-0.280	47	-1.957	No		
SRT	-0.206	128	-2.363	Down		
VT	0.021	128	0.236	No		
ZNT	-0.055	128	-0.618	No		
Total Up				11		
Total Down				7		
Total No				17		

Quidi Vidi Outlet- NF02ZM0015

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.089	131	-1.015	No		
COLORA	0.329	131	3.957	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.219	131	2.549	Up	2.326	0.01
O2D	0.031	113	0.327	No	2.576	0.005
PHL	0.213	132	2.486	Up		
CAD	-0.179	125	-2.018	Down		
NAD	-0.021	113	-0.221	No		
MGD	-0.371	125	-4.431	Down		
KD	0.030	113	0.316	No		
SO4IC	0.110	130	1.252	No		
CLD	-0.033	130	-0.374	No		
FD	-	-	-	-		
DOC	0.217	128	2.495	Up		
PT	-0.422	130	-5.266	Down		
NO3NO2	0.203	129	2.336	Up		
NT	0.336	126	3.972	Up		
SID	0.108	122	1.190	No		
ALT	-0.125	132	-1.436	No		
AST	0.050	90	0.470	No		
BAT	-0.424	132	-5.338	Down		
BET	0.061	132	0.697	No		
CDT	-0.090	132	-1.030	No		
COT	-0.349	130	-4.213	Down		
CRT	0.112	130	1.275	No		
CUT	-0.030	130	-0.340	No		
FET	-0.261	130	-3.059	Down		
HGT	0.134	115	1.437	No		
LIT	0.116	130	1.321	No		
MNT	-0.395	130	-4.864	Down		
MOT	0.448	130	5.669	Up		
NIT	0.032	130	0.362	No		
PBT	-0.311	130	-3.702	Down		
SET	-0.437	46	-3.223	Down		
SRT	-0.392	130	-4.821	Down		
VT	-0.038	130	-0.430	No		
ZNT	-0.163	130	-1.869	No		
Total Up				7		
Total Down				10		
Total No				18		

Raymond Brook- NF02ZM0017

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	0.084	125	0.935	No		
COLORA	0.044	125	0.488	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.172	125	1.936	No	2.326	0.01
O2D	0.025	111	0.261	No	2.576	0.005
PHL	0.102	125	1.137	No		
CAD	0.127	118	1.379	No		
NAD	0.047	107	0.482	No		
MGD	0.136	118	1.479	No		
KD	-0.489	107	-5.744	Down		
SO4IC	-0.054	125	-0.600	No		
CLD	0.261	125	2.999	Up		
DOC	0.049	123	0.540	No		
PT	-0.139	122	-1.538	No		
NO3NO2	0.113	125	1.261	No		
NT	0.192	117	2.098	Up		
SID	-0.024	116	-0.256	No		
ALT	-0.155	125	-1.740	No		
AST	-0.225	85	-2.104	Down		
BAT	-0.170	125	-1.913	No		
BET	0.584	125	7.979	Up		
CDT	0.418	125	5.103	Up		
COT	-0.169	123	-1.886	No		
CRT	0.090	123	0.994	No		
CUT	-0.122	123	-1.352	No		
FET	-0.121	123	-1.341	No		
HGT	-0.281	108	-3.015	Down		
LIT	-0.118	123	-1.307	No		
MNT	-0.271	123	-3.097	Down		
MOT	0.473	123	5.905	Up		
NIT	0.206	123	2.316	Up		
PBT	0.054	123	0.595	No		
SET	-0.230	48	-1.603	No		
SRT	0.030	123	0.330	No		
VT	-0.041	123	-0.451	No		
ZNT	-0.205	123	-2.304	Down		
Total Up				6		
Total Down				5		
Total No				24		

Mobile River- NF02ZM0018

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.223	105	-2.322	Down	1.645	0.05
COLORA	0.201	106	2.093	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.397	106	4.411	Up	2.326	0.01
O2D	0.008	100	0.079	No	2.576	0.005
PHL	0.040	106	0.408	No		
CAD	-0.038	106	-0.388	No		
NAD	-0.259	105	-2.721	Down		
MGD	-0.095	106	-0.973	No		
KD	-0.286	105	-3.029	Down		
SO4IC	0.091	106	0.932	No		
CLD	-0.155	106	-1.600	No		
DOC	0.083	105	0.845	No		
PT	-0.171	106	-1.770	No		
NO3NO2	-0.122	105	-1.247	No		
NT	0.179	100	1.801	No		
SID	0.190	97	1.886	No		
ALT	0.070	106	0.716	No		
AST	-0.169	65	-1.361	No		
BAT	-0.060	106	-0.613	No		
BET	0.113	106	1.160	No		
CDT	0.093	106	0.953	No		
COT	-0.330	104	-3.531	Down		
CRT	-0.160	104	-1.637	No		
CUT	-0.157	104	-1.606	No		
FET	-0.163	104	-1.669	No		
HGT	-0.316	88	-3.089	Down		
LIT	0.030	104	0.303	No		
MNT	-0.316	104	-3.364	Down		
MOT	0.155	104	1.585	No		
NIT	0.040	104	0.404	No		
PBT	-0.344	104	-3.700	Down		
SET	-0.106	48	-0.723	No		
SRT	-0.060	104	-0.607	No		
VT	-0.168	104	-1.721	No		
ZNT	-0.156	104	-1.595	No		
Total Up						2
Total Down						7
Total No						26

Seal Cove River- NF02ZM0019

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) alpha	0.05 0.025 5% significance 0.01 0.005
CONDL	-0.073	98	-0.717	No			
COLORA	0.121	98	1.194	No			
TURB	0.358	98	3.757	Up			
O2D	0.014	98	0.137	No			
PHL	-0.016	98	-0.157	No			
CAD	-0.042	98	-0.412	No			
NAD	-0.167	98	-1.660	No			
MGD	-0.051	98	-0.500	No			
KD	-0.192	98	-1.917	No			
SO4IC	0.035	98	0.343	No			
CLD	-0.049	98	-0.481	No			
DOC	-0.029	98	-0.284	No			
PT	-0.230	98	-2.316	Down			
NO3NO2	-0.061	98	-0.599	No			
NT	0.120	92	1.147	No			
SID	0.046	89	0.430	No			
ALT	0.010	98	0.098	No			
AST	-0.160	57	-1.202	No			
BAT	-0.105	98	-1.035	No			
BET	-	-	-	-			
CDT	0.042	98	0.412	No			
COT	0.217	96	2.155	Up			
CRT	-0.127	96	-1.241	No			
CUT	-0.338	96	-3.482	Down			
FET	0.039	96	0.378	No			
HGT	-0.407	80	-3.935	Down			
LIT	0.001	96	0.010	No			
MNT	0.023	96	0.223	No			
MOT	-0.183	96	-1.805	No			
NIT	-0.167	96	-1.642	No			
PBT	-0.324	96	-3.320	Down			
SET	-0.275	48	-1.940	No			
SRT	-0.086	96	-0.837	No			
VT	-0.021	96	-0.204	No			
ZNT	-0.163	96	-1.602	No			
Total Up				2			
Total Down				4			
Total No				28			

Northwest Brook- NF02ZN0002

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.186	114	-2.003	Down	1.645	0.05
COLORA	0.260	115	2.862	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.345	115	3.907	Up	2.326	0.01
O2D	-0.039	104	-0.394	No	2.576	0.005
PHL	-0.073	116	-0.782	No		
CAD	-0.164	110	-1.728	No		
NAD	-0.137	106	-1.410	No		
MGD	-0.035	110	-0.364	No		
KD	-0.260	106	-2.746	Down		
SO4IC	0.128	114	1.366	No		
CLD	0.021	114	0.222	No		
DOC	0.119	114	1.268	No		
PT	-0.070	114	-0.743	No		
NO3NO2	0.032	113	0.337	No		
NT	0.197	110	2.088	Up		
SID	0.056	108	0.577	No		
ALT	-0.027	116	-0.288	No		
AST	-0.067	75	-0.574	No		
BAT	-0.238	116	-2.616	Down		
BET	0.445	116	5.306	Up		
CDT	0.314	116	3.531	Up		
COT	0.077	114	0.817	No		
CRT	0.228	114	2.478	Up		
CUT	-0.261	114	-2.861	Down		
FET	-0.098	114	-1.042	No		
HGT	-0.450	99	-4.963	Down		
LIT	-0.187	114	-2.015	Down		
MNT	-0.096	114	-1.021	No		
MOT	0.211	114	2.284	Up		
NIT	0.267	114	2.932	Up		
PBT	-0.070	114	-0.743	No		
SET	-0.152	48	-1.043	No		
SRT	-0.176	114	-1.892	No		
VT	0.218	114	2.364	Up		
ZNT	-0.126	114	-1.344	No		
Total Up						9
Total Down						6
Total No						20

Salmonier River- NF02ZN0004

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.363	121	-4.250	Down		
COLORA	0.156	121	1.723	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.137	121	1.509	No	2.326	0.01
O2D	-0.020	101	-0.199	No	2.576	0.005
PHL	0.197	121	2.192	Up		
CAD	-0.031	112	-0.325	No		
NAD	-0.453	105	-5.157	Down		
MGD	-0.138	112	-1.461	No		
KD	-0.263	105	-2.767	Down		
SO4IC	0.015	120	0.163	No		
CLD	-0.210	120	-2.333	Down		
DOC	-0.014	119	-0.151	No		
PT	-0.252	120	-2.829	Down		
NO3NO2	0.001	120	0.011	No		
NT	0.264	115	2.910	Up		
SID	0.008	121	0.087	No		
ALT	-0.203	121	-2.262	Down		
AST	0.229	89	2.194	Up		
BAT	-0.233	121	-2.614	Down		
BET	0.498	121	6.265	Up		
CDT	0.347	121	4.036	Up		
COT	0.133	119	1.452	No		
CRT	0.200	119	2.208	Up		
CUT	-0.006	119	-0.065	No		
FET	-0.249	119	-2.781	Down		
HGT	-0.299	114	-3.316	Down		
LIT	-0.153	119	-1.675	No		
MNT	-0.144	119	-1.574	No		
MOT	0.446	119	5.390	Up		
NIT	0.196	119	2.162	Up		
PBT	0.002	119	0.022	No		
SET	-0.342	47	-2.441	Down		
SRT	-0.148	119	-1.619	No		
VT	-0.155	119	-1.697	No		
ZNT	-0.098	119	-1.065	No		
Total Up				8		
Total Down				10		
Total No				17		

Rocky River- NF02ZK0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.063	161	-0.796	No	1.645	0.05
COLORA	0.067	161	0.847	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	-0.188	154	-2.360	Down	2.326	0.01
O2D	-0.383	37	-2.453	Down	2.576	0.005
PHL	0.132	159	1.669	No		
CAD	-0.020	150	-0.243	No		
NAD	-0.015	144	-0.179	No		
MGD	-0.116	152	-1.430	No		
KD	0.094	144	1.125	No		
SO4IC	-0.104	155	-1.293	No		
CLD	0.058	154	0.716	No		
FD	-	-	-	-		
DOC	0.012	127	0.134	No		
PT	0.127	158	1.599	No		
NO3NO2	0.367	158	4.928	Up		
NT	0.304	158	3.986	Up		
SID	-0.048	107	-0.492	No		
ALT	-0.198	31	-1.088	No		
AST	-0.461	87	-4.790	Down		
BAT	-0.164	31	-0.895	No		
BET	0.331	31	1.889	No		
CDT	0.358	31	2.065	Up		
COT	0.341	31	1.953	No		
CRT	0.469	31	2.860	Up		
CUT	0.382	31	2.226	Up		
FET	0.079	31	0.427	No		
HGT	-	-	-	-		
LIT	0.002	31	0.011	No		
MNT	-0.210	31	-1.157	No		
MOT	0.175	31	0.957	No		
NIT	0.132	31	0.717	No		
PBT	-0.278	31	-1.559	No		
SET	-	-	-	-		
SRT	0.264	31	1.474	No		
VT	-0.045	31	-0.243	No		
ZNT	-0.015	31	-0.081	No		
Total Up						5
Total Down						3
Total No						25

Northeast River- NF02ZK0005

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	0.029	83	0.261	No	1.645	0.05
COLORA	-0.105	84	-0.956	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.087	84	0.791	No	2.326	0.01
O2D	-0.083	59	-0.629	No	2.576	0.005
PHL	0.233	84	2.170	Up		
CAD	-0.031	68	-0.252	No		
NAD	0.069	56	0.508	No		
MGD	-0.077	68	-0.627	No		
KD	-0.041	56	-0.302	No		
SO4IC	-0.137	80	-1.221	No		
CLD	0.261	80	2.388	Up		
DOC	0.140	82	1.265	No		
PT	-0.305	83	-2.882	Down		
NO3NO2	-0.063	80	-0.558	No		
NT	0.299	81	2.785	Up		
SID	-0.092	80	-0.816	No		
ALT	-0.208	84	-1.926	No		
AST	-0.011	63	-0.086	No		
BAT	-0.118	84	-1.076	No		
BET	0.558	84	6.089	Up		
CDT	0.485	84	5.022	Up		
COT	0.092	83	0.832	No		
CRT	-0.044	83	-0.396	No		
CUT	-0.207	83	-1.904	No		
FET	0.054	83	0.487	No		
HGT	-0.113	76	-0.978	No		
LIT	-0.346	83	-3.319	Down		
MNT	-0.012	83	-0.108	No		
MOT	0.519	83	5.465	Up		
NIT	0.299	81	2.785	Up		
PBT	-0.140	83	-1.273	No		
SET	0.288	23	1.378	No		
SRT	-0.134	83	-1.217	No		
VT	-0.183	83	-1.675	No		
ZNT	-0.180	83	-1.647	No		
Total Up				7		
Total Down				2		
Total No				26		

Pipers Hole River- NF02ZH0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.272	134	-3.247	Down		
COLORA	0.249	134	2.954	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	-0.161	127	-1.824	No	2.326	0.01
O2D	-	-	-	-	2.576	0.005
PHL	-0.119	132	-1.367	No		
CAD	-0.221	123	-2.493	Down		
NAD	-0.224	117	-2.465	Down		
MGD	-0.226	125	-2.573	Down		
KD	-0.104	117	-1.121	No		
SO4IC	-0.266	123	-3.035	Down		
CLD	-0.224	128	-2.580	Down		
FD	-0.059	69	-0.484	No		
DOC	0.107	101	1.071	No		
PT	0.142	131	1.629	No		
NO3NO2	0.070	131	0.797	No		
NT	0.250	131	2.933	Up		
SID	-0.129	86	-1.192	No		
ALT	-	-	-	-		
AST	-0.501	84	-5.242	Down		
BAT	-	-	-	-		
BET	-	-	-	-		
CDT	-	-	-	-		
COT	-	-	-	-		
CRT	-	-	-	-		
CUT	-	-	-	-		
FET	-	-	-	-		
HGT	-	-	-	-		
LIT	-	-	-	-		
MNT	-	-	-	-		
MOT	-	-	-	-		
NIT	-	-	-	-		
PBT	-	-	-	-		
SET	-	-	-	-		
SRT	-	-	-	-		
VT	-	-	-	-		
ZNT	-	-	-	-		
<hr/>						
Total Up				2		
Total Down				7		
Total No				8		

Rattle Brook- NF02ZG0025

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	0.010	100	0.099	No	1.645	0.05
COLORA	0.035	100	0.347	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.363	100	3.857	Up	2.326	0.01
O2D	0.060	97	0.586	No	2.576	0.005
PHL	0.003	100	0.030	No		
CAD	-0.067	100	-0.665	No		
NAD	-0.105	100	-1.045	No		
MGD	0.017	100	0.168	No		
KD	-0.309	100	-3.216	Down		
SO4IC	-0.038	100	-0.376	No		
CLD	0.067	100	0.665	No		
DOC	-0.185	100	-1.864	No		
PT	-0.180	100	-1.811	No		
NO3NO2	-0.078	100	-0.775	No		
NT	-0.018	94	-0.173	No		
SID	-0.023	91	-0.217	No		
ALT	-0.192	100	-1.937	No		
AST	-0.313	58	-2.466	Down		
BAT	-0.116	100	-1.156	No		
BET	-	-	-	-		
CDT	0.106	100	1.055	No		
COT	0.016	98	0.157	No		
CRT	-0.221	98	-2.220	Down		
CUT	-0.440	98	-4.801	Down		
FET	-0.095	98	-0.935	No		
HGT	-0.559	82	-6.030	Down		
LIT	-0.183	98	-1.824	No		
MNT	-0.005	98	-0.049	No		
MOT	0.085	98	0.836	No		
NIT	-0.100	98	-0.985	No		
PBT	-0.417	98	-4.495	Down		
SET	-0.122	48	-0.834	No		
SRT	-0.032	98	-0.314	No		
VT	-0.177	95	-1.734	No		
ZNT	-0.202	98	-2.021	Down		
Total Up				1		
Total Down				7		
Total No				26		

Tides Brook- NF02ZG0024

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.383	122	-4.542	Down		
COLORA	0.325	122	3.765	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.276	122	3.146	Up	2.326	0.01
O2D	-0.053	106	-0.541	No	2.576	0.005
PHL	-0.049	122	-0.537	No		
CAD	-0.231	117	-2.546	Down		
NAD	-0.314	113	-3.484	Down		
MGD	-0.109	117	-1.176	No		
KD	-0.680	113	-9.771	Down		
SO4IC	-0.088	120	-0.960	No		
CLD	-0.060	120	-0.653	No		
DOC	0.155	121	1.712	No		
PT	-0.129	122	-1.425	No		
NO3NO2	-0.327	120	-3.759	Down		
NT	0.199	117	2.178	Up		
SID	0.172	113	1.840	No		
ALT	-0.157	122	-1.741	No		
AST	0.121	81	1.083	No		
BAT	-0.312	122	-3.597	Down		
BET	-0.050	122	-0.548	No		
CDT	-0.048	122	-0.526	No		
COT	0.206	120	2.287	Up		
CRT	-0.142	120	-1.558	No		
CUT	-0.271	120	-3.058	Down		
FET	0.172	120	1.897	No		
HGT	-0.327	104	-3.495	Down		
LIT	0.021	120	0.228	No		
MNT	-0.043	120	-0.468	No		
MOT	0.341	120	3.940	Up		
NIT	0.070	120	0.762	No		
PBT	-0.203	120	-2.252	Down		
SET	-0.163	48	-1.121	No		
SRT	-0.286	120	-3.242	Down		
VT	-0.033	120	-0.359	No		
ZNT	-0.238	120	-2.662	Down		
Total Up						5
Total Down						11
Total No						19

Garnish River- NF02ZG0016

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	0.027	101	0.269	No	1.645	0.05
COLORA	0.028	101	0.279	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.033	97	0.322	No	2.326	0.01
O2D	-0.339	30	-1.907	No	2.576	0.005
PHL	0.175	101	1.769	No		
CAD	-0.034	95	-0.328	No		
NAD	0.125	93	1.202	No		
MGD	0.029	95	0.280	No		
KD	0.079	93	0.756	No		
SO4IC	0.024	99	0.236	No		
CLD	0.161	99	1.607	No		
FD	-	-	-	-		
DOC	0.019	84	0.172	No		
PT	0.060	100	0.595	No		
NO3NO2	0.133	101	1.335	No		
NT	0.043	99	0.424	No		
SID	-0.030	66	-0.240	No		
ALT	-0.015	35	-0.086	No		
AST	-0.490	48	-3.812	Down		
BAT	-0.201	35	-1.179	No		
BET	0.409	35	2.575	Up		
CDT	0.441	35	2.823	Up		
COT	-0.132	35	-0.765	No		
CRT	0.166	35	0.967	No		
CUT	0.227	35	1.339	No		
FET	0.072	35	0.415	No		
HGT	-	-	-	-		
LIT	-0.006	35	-0.034	No		
MNT	-0.018	35	-0.103	No		
MOT	0.326	35	1.981	No		
NIT	-0.007	35	-0.040	No		
PBT	-0.275	35	-1.643	No		
SET	-	-	-	-		
SRT	0.035	35	0.201	No		
VT	-0.095	35	-0.548	No		
ZNT	-0.062	35	-0.357	No		
Total Up						2
Total Down						1
Total No						30

Grand Bank Brook- NF02ZG0026

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.250	83	-2.324	Down	1.645	0.05
COLORA	0.190	83	1.742	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.101	83	0.914	No	2.326	0.01
O2D	0.077	74	0.655	No	2.576	0.005
PHL	0.107	83	0.969	No		
CAD	-0.109	83	-0.987	No		
NAD	-0.309	83	-2.924	Down		
MGD	-0.150	83	-1.365	No		
KD	-0.407	83	-4.010	Down		
SO4IC	-0.012	83	-0.108	No		
CLD	-0.107	83	-0.969	No		
DOC	-0.031	82	-0.277	No		
PT	-0.175	82	-1.590	No		
NO3NO2	-0.168	83	-1.534	No		
NT	0.212	78	1.891	No		
SID	0.122	83	1.106	No		
ALT	-0.018	83	-0.162	No		
AST	-0.189	73	-1.622	No		
BAT	-0.290	83	-2.727	Down		
BET	0.171	83	1.562	No		
CDT	-0.164	83	-1.496	No		
COT	0.015	81	0.133	No		
CRT	-0.112	81	-1.002	No		
CUT	0.242	81	2.217	Up		
FET	-0.087	81	-0.776	No		
HGT	-0.613	82	-6.940	Down		
LIT	-0.173	81	-1.561	No		
MNT	-0.337	81	-3.181	Down		
MOT	0.117	81	1.047	No		
NIT	0.031	81	0.276	No		
PBT	-0.180	81	-1.626	No		
SET	-0.219	47	-1.506	No		
SRT	-0.133	81	-1.193	No		
VT	-0.104	81	-0.929	No		
ZNT	-0.064	81	-0.570	No		
Total Up				1		
Total Down				6		
Total No				28		

South West Brook (@ Baie Verte)- NF02YM0004
Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.200	108	-2.102	Down	1.645	0.05
COLORA	0.064	108	0.660	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.323	108	3.514	Up	2.326	0.01
O2D	-0.071	97	-0.694	No	2.576	0.005
PHL	0.068	108	0.702	No		
CAD	-0.169	107	-1.757	No		
NAD	-0.276	105	-2.914	Down		
MGD	-0.242	107	-2.556	Down		
KD	-0.376	105	-4.118	Down		
SO4IC	-0.274	109	-2.947	Down		
CLD	-0.242	109	-2.580	Down		
DOC	-0.164	109	-1.720	No		
PT	-0.237	106	-2.488	Down		
NO3NO2	-0.024	109	-0.248	No		
NT	0.274	102	2.849	Up		
SID	0.023	97	0.224	No		
ALT	-0.085	109	-0.882	No		
AST	-0.214	63	-1.711	No		
BAT	-0.308	109	-3.349	Down		
BET	0.542	109	6.671	Up		
CDT	0.224	109	2.377	Up		
COT	-0.088	106	-0.901	No		
CRT	-0.056	106	-0.572	No		
CUT	-0.088	106	-0.901	No		
FET	-0.025	106	-0.255	No		
HGT	-0.337	89	-3.339	Down		
LIT	-0.372	105	-4.067	Down		
MNT	-0.122	106	-1.254	No		
MOT	-0.424	106	-4.774	Down		
NIT	0.035	106	0.357	No		
PBT	-0.317	106	-3.409	Down		
SET	-0.185	51	-1.318	No		
SRT	-0.181	106	-1.877	No		
VT	-0.086	106	-0.880	No		
ZNT	-0.176	106	-1.823	No		
Total Up						4
Total Down						12
Total No						19

Indian Brook- NF02YM0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.384	108	-4.282	Down	1.645	0.05
COLORA	0.323	108	3.514	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.111	104	1.128	No	2.326	0.01
O2D	0.230	25	1.133	No	2.576	0.005
PHL	0.038	106	0.388	No		
CAD	-0.181	106	-1.877	No		
NAD	-0.291	105	-3.087	Down		
MGD	-0.197	108	-2.069	Down		
KD	0.031	105	0.315	No		
SO4IC	-0.488	102	-5.591	Down		
CLD	-0.537	102	-6.366	Down		
FD	-	64	-	-		
DOC	0.079	79	0.695	No		
PT	0.352	105	3.817	Up		
NO3NO2	-0.031	106	-0.316	No		
NT	-0.047	106	-0.480	No		
SID	0.026	65	0.206	No		
ALT	-	-	-	-		
AST	-0.217	63	-1.736	No		
BAT	-	-	-	-		
BET	-	-	-	-		
CDT	-	-	-	-		
COT	-	-	-	-		
CRT	-	-	-	-		
CUT	-	-	-	-		
FET	-	-	-	-		
HGT	-	-	-	-		
LIT	-	-	-	-		
MNT	-	-	-	-		
MOT	-	-	-	-		
NIT	-	-	-	-		
PBT	-	-	-	-		
SET	-	-	-	-		
SRT	-	-	-	-		
VT	-	-	-	-		
ZNT	-	-	-	-		
Total Up						2
Total Down						5
Total No						10

Exploits (b/l Millertown Dam)- NF02YO0107

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.815	70	-11.598	Down	1.645	0.05
COLORA	0.178	85	1.648	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.053	85	0.484	No	2.326	0.01
O2D	0.280	73	2.458	Up	2.576	0.005
PHL	0.194	85	1.802	No		
CAD	-0.797	63	-10.306	Down		
NAD	-0.833	62	-11.662	Down		
MGD	-0.624	63	-6.237	Down		
KD	-0.383	62	-3.212	Down		
SO4IC	-0.782	85	-11.430	Down		
CLD	-0.570	85	-6.320	Down		
DOC	-0.173	71	-1.459	No		
PT	-0.278	85	-2.637	Down		
NO3NO2	-0.008	61	-0.061	No		
NT	-0.282	83	-2.645	Down		
SID	-0.298	70	-2.574	Down		
ALT	-0.385	71	-3.465	Down		
AST	-0.374	60	-3.071	Down		
BAT	-0.682	70	-7.690	Down		
BET	0.394	71	3.561	Up		
CDT	-0.378	71	-3.392	Down		
COT	0.152	68	1.249	No		
CRT	0.186	68	1.538	No		
CUT	-0.477	68	-4.409	Down		
FET	-0.021	68	-0.171	No		
HGT	-0.395	71	-3.572	Down		
LIT	-0.039	68	-0.317	No		
MNT	-0.477	68	-4.409	Down		
MOT	0.205	68	1.702	No		
NIT	-0.007	68	-0.057	No		
PBT	-0.651	68	-6.967	Down		
SET	-0.161	38	-0.979	No		
SRT	-0.823	68	-11.770	Down		
VT	-0.093	68	-0.759	No		
ZNT	-0.929	68	-20.394	Down		
Total Up				2		
Total Down				20		
Total No				13		

Exploits (@ Aspen Brook)- NF02YO0020

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.382	107	-4.236	Down		
COLORA	0.392	123	4.687	Up	-1.96	alpha 0.025 5% significance
TURB	0.154	123	1.714	No	2.326	0.01
O2D	0.121	107	1.249	No	2.576	0.005
PHL	0.287	123	3.296	Up		
CAD	-0.221	103	-2.277	Down		
NAD	-0.385	102	-4.172	Down		
MGD	-0.079	103	-0.796	No		
KD	-0.425	102	-4.695	Down		
SO4IC	-0.608	122	-8.389	Down		
CLD	-0.471	122	-5.849	Down		
DOC	0.185	107	1.929	No		
PT	-0.362	121	-4.236	Down		
NO3NO2	-0.045	122	-0.493	No		
NT	0.014	117	0.150	No		
SID	-0.057	96	-0.554	No		
ALT	-0.140	107	-1.449	No		
AST	-0.280	64	-2.297	Down		
BAT	-0.660	106	-8.959	Down		
BET	-	-	-	-		
CDT	0.143	107	1.481	No		
COT	0.107	107	1.103	No		
CRT	-0.106	103	-1.071	No		
CUT	-0.486	104	-5.616	Down		
FET	0.050	104	0.506	No		
HGT	-0.217	87	-2.049	Down		
LIT	-0.275	102	-2.860	Down		
MNT	-0.256	103	-2.661	Down		
MOT	0.097	103	0.979	No		
NIT	-0.112	103	-1.133	No		
PBT	-0.578	103	-7.118	Down		
SET	-0.188	48	-1.298	No		
SRT	-0.441	103	-4.938	Down		
VT	-0.155	103	-1.577	No		
ZNT	-0.563	103	-6.846	Down		
Total Up				2		
Total Down				16		
Total No				16		

Exploits (@ Grand Falls)- NF02YO0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.575	106	-7.167	Down	1.645	0.05
COLORA	0.336	106	3.638	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	-0.512	103	-5.990	Down	2.326	0.01
O2D	-0.222	26	-1.115	No	2.576	0.005
PHL	0.245	106	2.577	Up		
CAD	-0.317	93	-3.188	Down		
NAD	-0.424	92	-4.441	Down		
MGD	-0.311	93	-3.122	Down		
KD	-0.160	92	-1.538	No		
SO4IC	-0.633	98	-8.011	Down		
CLD	-0.481	101	-5.459	Down		
FD	-	60	-	-		
DOC	-0.016	91	-0.151	No		
PT	-0.040	106	-0.408	No		
NO3NO2	0.307	105	3.274	Up		
NT	0.426	103	4.732	Up		
SID	-0.167	78	-1.477	No		
ALT	-	-	-	-		
AST	-0.517	66	-4.832	Down		
BAT	-	-	-	-		
BET	-	-	-	-		
CDT	-	-	-	-		
COT	-	-	-	-		
CRT	-	-	-	-		
CUT	-	-	-	-		
FET	-	-	-	-		
HGT	-	-	-	-		
LIT	-	-	-	-		
MNT	-	-	-	-		
MOT	-	-	-	-		
NIT	-	-	-	-		
PBT	-	-	-	-		
SET	-	-	-	-		
SRT	-	-	-	-		
VT	-	-	-	-		
ZNT	-	-	-	-		
Total Up				4		
Total Down				8		
Total No				5		

Exploits (@ Bishop Falls)- NF02YO0021

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.547	58	-4.890	Down	1.645	0.05
COLORA	0.284	75	2.531	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.050	75	0.428	No	2.326	0.01
O2D	0.048	70	0.396	No	2.576	0.005
PHL	0.443	74	4.193	Up		
CAD	-0.293	48	-2.078	Down		
NAD	-0.247	47	-1.710	No		
MGD	-0.160	48	-1.099	No		
KD	-0.230	47	-1.585	No		
SO4IC	-0.693	72	-8.042	Down		
CLD	-0.112	72	-0.943	No		
DOC	0.018	57	0.134	No		
PT	-0.288	74	-2.552	Down		
NO3NO2	0.410	72	3.761	Up		
NT	0.156	70	1.302	No		
SID	-0.083	49	-0.571	No		
ALT	0.057	58	0.427	No		
AST	-0.313	32	-1.805	No		
BAT	-0.538	57	-4.733	Down		
BET	0.812	57	10.318	Up		
CDT	0.244	58	1.883	No		
COT	0.255	57	1.956	No		
CRT	0.062	57	0.461	No		
CUT	-0.602	58	-5.642	Down		
FET	0.048	58	0.360	No		
HGT	0.024	56	0.176	No		
LIT	-0.235	57	-1.793	No		
MNT	-0.382	58	-3.093	Down		
MOT	0.336	57	2.646	Up		
NIT	-0.148	57	-1.110	No		
PBT	-0.390	58	-3.169	Down		
SET	-	-	-	-		
SRT	-0.463	57	-3.874	Down		
VT	-0.539	57	-4.746	Down		
ZNT	-0.568	58	-5.164	Down		
Total Up				5		
Total Down				11		
Total No				18		

North West Gander River- NF02YQ0006

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.147	62	-1.151	No		
COLORA	0.003	62	0.023	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.083	62	0.645	No	2.326	0.01
O2D	0.031	50	0.215	No	2.576	0.005
PHL	0.229	62	1.822	No		
CAD	-0.186	53	-1.352	No		
NAD	-0.088	53	-0.631	No		
MGD	0.016	53	0.114	No		
KD	-0.278	53	-2.067	Down		
SO4IC	-0.291	61	-2.336	Down		
CLD	-0.078	61	-0.601	No		
DOC	-0.008	62	-0.062	No		
PT	-0.290	61	-2.328	Down		
NO3NO2	0.019	61	0.146	No		
NT	0.121	59	0.920	No		
SID	-0.115	56	-0.851	No		
ALT	-0.244	62	-1.949	No		
AST	-0.187	40	-1.173	No		
BAT	-0.244	62	-1.949	No		
BET	0.457	62	3.980	Up		
CDT	0.287	62	2.321	Up		
COT	0.176	60	1.362	No		
CRT	-0.349	60	-2.836	Down		
CUT	-0.330	60	-2.662	Down		
FET	-0.055	60	-0.420	No		
HGT	-0.366	53	-2.809	Down		
LIT	-0.328	59	-2.621	Down		
MNT	0.074	60	0.565	No		
MOT	0.050	60	0.381	No		
NIT	0.063	60	0.481	No		
PBT	-0.210	60	-1.636	No		
SET	-0.178	22	-0.809	No		
SRT	-0.114	60	-0.874	No		
VT	-0.346	60	-2.809	Down		
ZNT	-0.100	60	-0.765	No		
Total Up				2		
Total Down				8		
Total No				25		

Gander River (@ Appleton)- NF02YQ0030

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observation	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.526	45	-4.056	Down	1.645	0.05
COLORA	0.209	45	1.401	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	-0.013	45	-0.085	No	2.326	0.01
O2D	0.211	36	1.259	No	2.576	0.005
PHL	0.013	45	0.085	No		
CAD	-0.423	39	-2.840	Down		
NAD	-0.258	39	-1.624	No		
MGD	-0.453	39	-3.091	Down		
KD	-0.429	39	-2.889	Down		
SO4IC	-0.194	44	-1.282	No		
CLD	-0.089	44	-0.579	No		
FD	-	-	-	-		
DOC	0.058	45	0.381	No		
PT	0.011	45	0.072	No		
NO3NO2	-0.106	44	-0.691	No		
NT	0.117	42	0.745	No		
SID	-0.176	45	-1.172	No		
ALT	-0.658	45	-5.730	Down		
AST	-0.355	41	-2.371	Down		
BAT	-0.274	45	-1.868	No		
BET	0.628	45	5.292	Up		
CDT	0.662	45	5.792	Up		
COT	0.333	43	2.261	Up		
CRT	-0.043	43	-0.276	No		
CUT	0.036	43	0.231	No		
FET	-0.115	43	-0.741	No		
HGT	-0.056	44	-0.363	No		
LIT	-0.590	43	-4.679	Down		
MNT	-0.110	43	-0.709	No		
MOT	0.472	43	3.428	Up		
NIT	-0.108	43	-0.696	No		
PBT	0.237	43	1.562	No		
SET	-0.128	23	-0.591	No		
SRT	-0.638	43	-5.305	Down		
VT	0.393	43	2.737	Up		
ZNT	-0.049	43	-0.314	No		
Total Up				5		
Total Down				8		
Total No				22		

Gander River- NF02YQ0005

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	0.191	45	1.276	No		
COLORA	0.338	45	2.355	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.417	45	3.009	Up	2.326	0.01
O2D	0.036	42	0.228	No	2.576	0.005
PHL	0.056	45	0.368	No		
CAD	0.066	45	0.434	No		
NAD	-0.239	45	-1.614	No		
MGD	0.267	45	1.817	No		
KD	-0.446	45	-3.268	Down		
SO4IC	-0.205	45	-1.373	No		
CLD	-0.163	45	-1.083	No		
DOC	0.315	45	2.176	Up		
PT	-0.224	44	-1.490	No		
NO3NO2	0.135	45	0.893	No		
NT	0.291	43	1.948	No		
SID	0.041	39	0.250	No		
ALT	0.137	45	0.907	No		
AST	-0.356	24	-1.787	No		
BAT	-0.024	45	-0.157	No		
BET	-	-	-	-		
CDT	-0.394	45	-2.811	Down		
COT	-0.091	44	-0.592	No		
CRT	0.028	43	0.179	No		
CUT	-0.086	43	-0.553	No		
FET	0.524	43	3.939	Up		
HGT	0.129	34	0.736	No		
LIT	0.046	42	0.291	No		
MNT	0.175	43	1.138	No		
MOT	-0.120	43	-0.774	No		
NIT	0.378	43	2.614	Up		
PBT	-0.213	43	-1.396	No		
SET	0.222	23	1.043	No		
SRT	0.072	43	0.462	No		
VT	0.097	43	0.624	No		
ZNT	0.162	43	1.051	No		
Total Up						5
Total Down						2
Total No						27

Pound Cove Brook- NF02YR0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if (for infinite degrees of freedom)	
CONDL	0.001	115	0.011	No	1.645	0.05
COLORA	0.331	115	3.729	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.402	115	4.667	Up	2.326	0.01
O2D	0.008	103	0.080	No	2.576	0.005
PHL	-0.373	115	-4.273	Down		
CAD	-0.139	110	-1.459	No		
NAD	-0.096	110	-1.002	No		
MGD	-0.029	110	-0.302	No		
KD	-0.047	110	-0.489	No		
SO4IC	-0.145	114	-1.551	No		
CLD	0.016	114	0.169	No		
DOC	0.136	115	1.459	No		
PT	-0.259	111	-2.800	Down		
NO3NO2	0.074	114	0.785	No		
NT	0.365	109	4.055	Up		
SID	0.097	104	0.984	No		
ALT	0.034	115	0.362	No		
AST	-0.024	72	-0.201	No		
BAT	-0.098	115	-1.047	No		
BET	0.125	115	1.339	No		
CDT	0.303	115	3.380	Up		
COT	-0.103	112	-1.086	No		
CRT	-0.042	112	-0.441	No		
CUT	-0.199	112	-2.130	Down		
FET	0.109	112	1.150	No		
HGT	-0.178	94	-1.735	No		
LIT	-0.271	111	-2.939	Down		
MNT	0.035	112	0.367	No		
MOT	0.006	112	0.063	No		
NIT	-0.322	112	-3.567	Down		
PBT	-0.268	112	-2.918	Down		
SET	-0.274	52	-2.015	Down		
SRT	-0.052	112	-0.546	No		
VT	0.065	112	0.683	No		
ZNT	-0.077	112	-0.810	No		
Total Up				4		
Total Down				7		
Total No				24		

Middle Brook- NF02YR0021

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.639	59	-6.272	Down	1.645	0.05
COLORA	0.256	59	1.999	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.289	59	2.279	Up	2.326	0.01
O2D	0.376	51	2.840	Up	2.576	0.005
PHL	-0.254	59	-1.983	Down		
CAD	-0.483	53	-3.939	Down		
NAD	-0.611	53	-5.512	Down		
MGD	-0.553	53	-4.740	Down		
KD	-0.710	53	-7.200	Down		
SO4IC	-0.531	58	-4.689	Down		
CLD	-0.009	58	-0.067	No		
DOC	-0.125	58	-0.943	No		
PT	-0.174	56	-1.298	No		
NO3NO2	-0.037	58	-0.277	No		
NT	0.137	56	1.016	No		
SID	-0.197	59	-1.517	No		
ALT	0.072	59	0.545	No		
AST	0.107	48	0.730	No		
BAT	-0.121	59	-0.920	No		
BET	0.296	59	2.340	Up		
CDT	0.326	59	2.603	Up		
COT	0.210	57	1.593	No		
CRT	0.021	57	0.156	No		
CUT	0.199	57	1.506	No		
FET	0.230	57	1.753	No		
HGT	-0.267	58	-2.073	Down		
LIT	-0.609	57	-5.694	Down		
MNT	0.084	57	0.625	No		
MOT	0.154	57	1.156	No		
NIT	0.268	57	2.063	Up		
PBT	-0.312	57	-2.435	Down		
SET	-0.106	36	-0.622	No		
SRT	-0.621	57	-5.876	Down		
VT	-0.268	57	-2.063	Down		
ZNT	0.352	57	2.789	Up		
Total Up						7
Total Down						12
Total No						16

Terra Nova River (@ Newton Lake)- NF02YS0012

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.190	51	-1.355	No	1.645	0.05
COLORA	0.067	51	0.470	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.438	51	3.411	Up	2.326	0.01
O2D	-0.104	50	-0.724	No	2.576	0.005
PHL	-0.071	51	-0.498	No		
CAD	-0.194	51	-1.384	No		
NAD	-0.313	50	-2.283	Down		
MGD	-0.220	51	-1.579	No		
KD	-0.463	50	-3.619	Down		
SO4IC	-0.086	50	-0.598	No		
CLD	-0.194	50	-1.370	No		
DOC	-0.282	51	-2.058	Down		
PT	-0.243	49	-1.717	No		
NO3NO2	0.110	50	0.767	No		
NT	0.048	47	0.322	No		
SID	-0.094	44	-0.612	No		
ALT	-0.166	51	-1.178	No		
AST	-0.005	28	-0.025	No		
BAT	-0.094	51	-0.661	No		
BET	-	-	-	-		
CDT	0.105	51	0.739	No		
COT	-0.033	50	-0.229	No		
CRT	-0.237	50	-1.690	No		
CUT	-0.089	50	-0.619	No		
FET	-0.055	50	-0.382	No		
HGT	-0.388	41	-2.629	Down		
LIT	-0.183	49	-1.276	No		
MNT	0.036	50	0.250	No		
MOT	0.041	50	0.284	No		
NIT	-0.043	50	-0.298	No		
PBT	-0.396	50	-2.988	Down		
SET	-0.204	24	-0.977	No		
SRT	-0.240	50	-1.713	No		
VT	-0.041	50	-0.284	No		
ZNT	-0.121	50	-0.845	No		
Total Up				1		
Total Down				5		
Total No				28		

Terra Nova River (@ Terra Nova)- NF02YS0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.021	63	-0.164	No	1.645	0.05
COLORA	-0.073	63	-0.572	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.465	63	4.102	Up	2.326	0.01
O2D	-0.011	51	-0.077	No	2.576	0.005
PHL	0.110	63	0.864	No		
CAD	0.257	57	1.972	Up		
NAD	0.187	52	1.346	No		
MGD	-0.031	57	-0.230	No		
KD	0.301	52	2.232	Up		
SO4IC	-0.094	61	-0.725	No		
CLD	0.138	61	1.070	No		
DOC	-0.110	63	-0.864	No		
PT	-0.071	61	-0.547	No		
NO3NO2	0.120	61	0.928	No		
NT	0.173	58	1.314	No		
SID	0.026	57	0.193	No		
ALT	-0.068	63	-0.532	No		
AST	-0.168	41	-1.064	No		
BAT	-0.162	63	-1.282	No		
BET	0.513	63	4.668	Up		
CDT	0.519	63	4.742	Up		
COT	0.209	62	1.655	No		
CRT	0.071	62	0.551	No		
CUT	-0.035	62	-0.271	No		
FET	-0.030	62	-0.232	No		
HGT	-0.272	53	-2.019	Down		
LIT	-0.125	61	-0.968	No		
MNT	0.133	62	1.039	No		
MOT	0.132	62	1.031	No		
NIT	0.063	63	0.493	No		
PBT	-0.002	62	-0.015	No		
SET	-0.418	23	-2.109	Down		
SRT	-0.065	62	-0.505	No		
VT	0.072	62	0.559	No		
ZNT	-0.019	62	-0.147	No		
Total Up				5		
Total Down				2		
Total No				28		

Terra Nova River (@ E.S. Spencer Bridge)- NF02YS0011
 Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.090	63	-0.706	No	1.645	0.05
COLORA	0.272	63	2.208	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.332	63	2.749	Up	2.326	0.01
O2D	-0.053	55	-0.386	No	2.576	0.005
PHL	0.015	63	0.117	No		
CAD	-0.165	60	-1.274	No		
NAD	0.019	56	0.140	No		
MGD	-0.222	60	-1.734	No		
KD	-0.060	56	-0.442	No		
SO4IC	-0.054	61	-0.415	No		
CLD	0.057	61	0.439	No		
FD	-	-	-	-		
DOC	0.082	63	0.643	No		
PT	-0.178	61	-1.389	No		
NO3NO2	0.010	61	0.077	No		
NT	0.102	59	0.774	No		
SID	0.001	57	0.007	No		
ALT	-0.048	63	-0.375	No		
AST	-0.008	41	-0.050	No		
BAT	0.124	63	0.976	No		
BET	0.660	63	6.861	Up		
CDT	0.362	63	3.033	Up		
COT	0.233	62	1.856	No		
CRT	0.001	62	0.008	No		
CUT	-0.080	62	-0.622	No		
FET	0.150	62	1.175	No		
HGT	-0.136	53	-0.980	No		
LIT	-0.065	61	-0.500	No		
MNT	0.147	62	1.151	No		
MOT	0.289	62	2.338	Up		
NIT	0.149	62	1.167	No		
PBT	-0.071	62	-0.551	No		
SET	-0.322	26	-1.666	No		
SRT	-0.190	62	-1.499	No		
VT	-0.018	62	-0.139	No		
ZNT	-0.083	62	-0.645	No		
Total Up				5		
Total Down				0		
Total No				30		

Bread Cove Brook- NF02YS0010

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.264	101	-2.723	Down	1.645	0.05
COLORA	0.484	101	5.503	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.460	101	5.155	Up	2.326	0.01
O2D	0.011	95	0.106	No	2.576	0.005
PHL	-0.230	101	-2.352	Down		
CAD	-0.238	101	-2.438	Down		
NAD	-0.313	101	-3.279	Down		
MGD	-0.224	101	-2.287	Down		
KD	-0.426	101	-4.685	Down		
SO4IC	-0.263	101	-2.712	Down		
CLD	-0.175	101	-1.769	No		
DOC	0.149	101	1.499	No		
PT	-0.116	100	-1.156	No		
NO3NO2	0.065	101	0.648	No		
NT	0.096	95	0.930	No		
SID	-0.090	90	-0.848	No		
ALT	0.178	100	1.791	No		
AST	-0.151	58	-1.143	No		
BAT	-0.104	100	-1.035	No		
BET	-0.127	101	-1.274	No		
CDT	-0.138	100	-1.379	No		
COT	-0.006	98	-0.059	No		
CRT	-0.035	98	-0.343	No		
CUT	-0.308	98	-3.172	Down		
FET	0.063	98	0.619	No		
HGT	-0.551	79	-5.794	Down		
LIT	-0.231	97	-2.314	Down		
MNT	-0.010	98	-0.098	No		
MOT	0.055	98	0.540	No		
NIT	-0.019	98	-0.186	No		
PBT	-0.285	98	-2.913	Down		
SET	-0.179	46	-1.207	No		
SRT	-0.213	98	-2.136	Down		
VT	-0.135	98	-1.335	No		
ZNT	-0.223	98	-2.241	Down		
Total Up				2		
Total Down				13		
Total No				20		

Southwest Brook (@ Terra Nova National Park)- NF02YS0005
 Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.307	114	-3.414	Down	1.645	0.05
COLORA	0.166	114	1.781	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.279	114	3.075	Up	2.326	0.01
O2D	0.013	99	0.128	No	2.576	0.005
PHL	-0.028	114	-0.296	No		
CAD	-0.258	108	-2.749	Down		
NAD	-0.347	104	-3.737	Down		
MGD	-0.271	108	-2.899	Down		
KD	-0.250	104	-2.608	Down		
SO4IC	-0.160	112	-1.700	No		
CLD	-0.162	112	-1.722	No		
DOC	-0.102	114	-1.085	No		
PT	-0.236	112	-2.547	Down		
NO3NO2	-0.027	112	-0.283	No		
NT	0.071	108	0.733	No		
SID	-0.136	103	-1.380	No		
ALT	-0.164	114	-1.759	No		
AST	-0.108	70	-0.896	No		
BAT	-0.194	114	-2.093	Down		
BET	0.416	115	4.863	Up		
CDT	-0.267	114	-2.932	Down		
COT	-0.226	111	-2.422	Down		
CRT	-0.240	111	-2.581	Down		
CUT	-0.245	110	-2.626	Down		
FET	-0.068	111	-0.712	No		
HGT	-0.167	94	-1.625	No		
LIT	-0.247	110	-2.649	Down		
MNT	-0.145	111	-1.530	No		
MOT	0.238	111	2.558	Up		
NIT	0.024	111	0.251	No		
PBT	-0.284	111	-3.092	Down		
SET	-0.135	49	-0.934	No		
SRT	-0.187	111	-1.987	Down		
VT	-0.223	111	-2.388	Down		
ZNT	-0.139	111	-1.465	No		
Total Up				3		
Total Down				15		
Total No				17		

Southern Bay River- NF02ZJ0024

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.278	109	-2.994	Down	1.645	0.05
COLORA	0.122	108	1.266	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.336	108	3.673	Up	2.326	0.01
O2D	0.004	97	0.039	No	2.576	0.005
PHL	0.108	109	1.124	No		
CAD	-0.121	105	-1.237	No		
NAD	-0.432	101	-4.766	Down		
MGD	-0.103	105	-1.051	No		
KD	0.081	101	0.809	No		
SO4IC	-0.025	107	-0.256	No		
CLD	-0.279	107	-2.977	Down		
DOC	0.006	109	0.062	No		
PT	-0.185	108	-1.938	No		
NO3NO2	-0.152	107	-1.576	No		
NT	0.066	103	0.665	No		
SID	0.038	97	0.371	No		
ALT	-0.049	109	-0.507	No		
AST	0.003	65	0.024	No		
BAT	-0.006	109	-0.062	No		
BET	0.630	109	8.391	Up		
CDT	0.368	109	4.094	Up		
COT	0.088	106	0.901	No		
CRT	0.129	106	1.327	No		
CUT	-0.218	106	-2.278	Down		
FET	0.087	106	0.891	No		
HGT	-0.267	88	-2.569	Down		
LIT	-0.078	105	-0.794	No		
MNT	0.003	106	0.031	No		
MOT	0.369	109	4.107	Up		
NIT	0.195	106	2.028	Up		
PBT	-0.216	106	-2.256	Down		
SET	-0.188	48	-1.298	No		
SRT	-0.097	106	-0.994	No		
VT	0.106	106	1.087	No		
ZNT	-0.107	106	-1.097	No		
Total Up				5		
Total Down				6		
Total No				24		

Bay du Nord River- NF02ZF0020

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.248	36	-1.493	No	1.645	0.05
COLORA	-0.144	36	-0.849	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.065	36	0.380	No	2.326	0.01
O2D	0.279	34	1.644	No	2.576	0.005
PHL	-0.121	36	-0.711	No		
CAD	-0.354	36	-2.207	Down		
NAD	-0.345	35	-2.112	Down		
MGD	-0.302	36	-1.847	No		
KD	-0.625	35	-4.599	Down		
SO4IC	0.015	35	0.086	No		
CLD	0.089	35	0.513	No		
DOC	-0.411	36	-2.629	Down		
PT	-0.129	36	-0.759	No		
NO3NO2	-0.186	35	-1.087	No		
NT	-0.193	33	-1.095	No		
SID	-0.109	35	-0.630	No		
ALT	-0.286	36	-1.740	No		
AST	-0.176	30	-0.946	No		
BAT	-0.275	36	-1.668	No		
BET	-	-	-	-		
CDT	0.055	36	0.321	No		
COT	0.057	35	0.328	No		
CRT	-0.203	35	-1.191	No		
CUT	0.236	35	1.395	No		
FET	-0.238	35	-1.408	No		
HGT	-0.426	36	-2.746	Down		
LIT	-0.339	35	-2.070	Down		
MNT	-0.139	35	-0.806	No		
MOT	-0.157	35	-0.913	No		
NIT	0.033	35	0.190	No		
PBT	-0.525	35	-3.544	Down		
SET	-0.528	23	-2.849	Down		
SRT	-0.388	35	-2.418	Down		
VT	-0.241	35	-1.426	No		
ZNT	0.076	35	0.438	No		
Total Up						0
Total Down						9
Total No						25

Jeddore Lake- NF02ZE0018

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.603	38	-4.535	Down	1.645	0.05
COLORA	0.305	38	1.922	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.272	38	1.696	No	2.326	0.01
O2D	0.158	36	0.933	No	2.576	0.005
PHL	0.107	38	0.646	No		
CAD	-0.558	38	-4.035	Down		
NAD	-0.790	37	-7.623	Down		
MGD	-0.758	38	-6.973	Down		
KD	-0.645	37	-4.993	Down		
SO4IC	-0.052	37	-0.308	No		
CLD	-0.313	37	-1.950	No		
DOC	-0.292	38	-1.832	No		
PT	-0.132	38	-0.799	No		
NO3NO2	0.173	37	1.039	No		
NT	0.149	35	0.866	No		
SID	0.333	37	2.089	Up		
ALT	0.070	37	0.415	No		
AST	-0.097	31	-0.525	No		
BAT	0.026	37	0.154	No		
BET	-	-	-	-		
CDT	0.039	37	0.231	No		
COT	-0.104	36	-0.610	No		
CRT	-0.046	36	-0.269	No		
CUT	0.209	36	1.246	No		
FET	0.048	36	0.280	No		
HGT	-0.505	35	-3.361	Down		
LIT	-0.294	36	-1.794	No		
MNT	-0.075	36	-0.439	No		
MOT	0.104	36	0.610	No		
NIT	0.143	36	0.842	No		
PBT	-0.266	36	-1.609	No		
SET	-0.315	22	-1.484	No		
SRT	-0.537	36	-3.712	Down		
VT	0.115	36	0.675	No		
ZNT	0.436	36	2.825	Up		
Total Up				2		
Total Down				7		
Total No				25		

Sta. Genevieve River- NF02YA0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.136	82	-1.228	No	1.645	0.05
COLORA	0.095	82	0.854	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.093	82	0.835	No	2.326	0.01
O2D	-0.075	67	-0.606	No	2.576	0.005
PHL	-0.105	83	-0.950	No		
CAD	-0.053	80	-0.469	No		
NAD	-0.643	77	-7.271	Down		
MGD	-0.160	80	-1.432	No		
KD	0.237	77	2.113	Up		
SO4IC	-0.188	80	-1.691	No		
CLD	-0.259	80	-2.368	Down		
DOC	-0.088	82	-0.790	No		
PT	-0.151	83	-1.375	No		
NO3NO2	0.224	79	2.017	Up		
NT	0.300	76	2.705	Up		
SID	0.069	82	0.619	No		
ALT	-0.197	83	-1.808	No		
AST	-0.020	68	-0.163	No		
BAT	-0.096	83	-0.868	No		
BET	0.535	83	5.699	Up		
CDT	0.461	83	4.675	Up		
COT	0.390	81	3.764	Up		
CRT	0.293	81	2.724	Up		
CUT	0.123	81	1.102	No		
FET	-0.029	81	-0.258	No		
HGT	-0.468	83	-4.766	Down		
LIT	0.024	81	0.213	No		
MNT	-0.091	81	-0.812	No		
MOT	0.436	81	4.306	Up		
NIT	0.240	81	2.197	Up		
PBT	0.319	81	2.992	Up		
SET	-0.157	47	-1.066	No		
SRT	-0.094	81	-0.839	No		
VT	0.257	81	2.364	Up		
ZNT	0.247	81	2.266	Up		
Total Up				12		
Total Down				3		
Total No				20		

Torrent River- NF02YC0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.371	79	-3.506	Down	1.645	0.05
COLORA	0.360	79	3.386	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	-0.330	77	-3.027	Down	2.326	0.01
O2D	-	-	-	-	2.576	0.005
PHL	0.136	76	1.181	No		
CAD	-0.166	73	-1.418	No		
NAD	-0.457	70	-4.237	Down		
MGD	-0.140	75	-1.208	No		
KD	0.200	70	1.683	No		
SO4IC	-0.348	70	-3.061	Down		
CLD	-0.364	72	-3.270	Down		
DOC	0.217	63	1.736	No		
PT	-0.002	77	-0.017	No		
NO3NO2	0.084	76	0.725	No		
NT	0.240	78	2.155	Up		
SID	-0.231	54	-1.712	No		
ALT	-	-	-	-		
AST	-0.625	45	-1.712	No		
BAT	-	-	-	-		
BET	-	-	-	-		
CDT	-	-	-	-		
COT	-	-	-	-		
CRT	-	-	-	-		
CUT	-	-	-	-		
FET	-	-	-	-		
HGT	-	-	-	-		
LIT	-	-	-	-		
MNT	-	-	-	-		
MOT	-	-	-	-		
NIT	-	-	-	-		
PBT	-	-	-	-		
SRT	-	-	-	-		
VT	-	-	-	-		
ZNT	-	-	-	-		
Total Up						2
Total Down						5
Total No						9

Portland Creek- NF02YE0004

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if (for infinite degrees of freedom)	
CONDL	-0.193	106	-2.006	Down	1.645	0.05
COLORA	0.494	106	5.794	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.431	106	4.871	Up	2.326	0.01
O2D	-0.080	97	-0.782	No	2.576	0.005
PHL	0.276	106	2.928	Up		
CAD	0.200	106	2.082	Up		
NAD	-0.715	104	-10.329	Down		
MGD	0.111	106	1.139	No		
KD	-0.380	104	-4.149	Down		
SO4IC	-0.532	106	-6.407	Down		
CLD	-0.534	106	-6.441	Down		
DOC	0.399	106	4.438	Up		
PT	-0.006	106	-0.061	No		
NO3NO2	0.490	106	5.732	Up		
NT	0.525	99	6.075	Up		
SID	-0.028	96	-0.272	No		
ALT	0.251	106	2.644	Up		
AST	-0.029	64	-0.228	No		
BAT	-0.342	106	-3.712	Down		
BET	0.326	106	3.517	Up		
CDT	0.322	106	3.469	Up		
COT	0.329	104	3.519	Up		
CRT	0.014	104	0.141	No		
CUT	-0.263	104	-2.753	Down		
FET	0.316	104	3.364	Up		
HGT	-0.562	86	-6.227	Down		
LIT	0.034	103	0.342	No		
MNT	0.182	104	1.869	No		
MOT	0.462	104	5.261	Up		
NIT	0.372	104	4.047	Up		
PBT	-0.148	104	-1.511	No		
SET	-0.359	48	-2.609	Down		
SRT	-0.132	104	-1.345	No		
VT	0.028	104	0.283	No		
ZNT	-0.079	104	-0.800	No		
Total Up						14
Total Down						9
Total No						12

Western Brook- NF02YE0005

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.096	106	-0.984	No	1.645	0.05
COLORA	0.360	106	3.935	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.489	106	5.717	Up	2.326	0.01
O2D	-0.077	95	-0.745	No	2.576	0.005
PHL	0.214	107	2.245	Up		
CAD	0.038	102	0.380	No		
NAD	-0.409	99	-4.414	Down		
MGD	-0.015	102	-0.150	No		
KD	-0.182	99	-1.823	No		
SO4IC	-0.154	105	-1.582	No		
CLD	-0.204	105	-2.115	Down		
DOC	0.382	106	4.215	Up		
PT	-0.023	107	-0.236	No		
NO3NO2	0.323	104	3.447	Up		
NT	0.315	99	3.269	Up		
SID	0.180	97	1.784	No		
ALT	0.200	107	2.092	Up		
AST	0.315	64	2.613	Up		
BAT	-0.098	107	-1.009	No		
BET	0.429	107	4.867	Up		
CDT	0.409	107	4.593	Up		
COT	0.304	105	3.239	Up		
CRT	0.140	105	1.435	No		
CUT	-0.365	105	-3.979	Down		
FET	0.175	105	1.804	No		
HGT	-0.446	87	-4.594	Down		
LIT	-0.147	104	-1.501	No		
MNT	0.136	105	1.393	No		
MOT	0.305	105	3.250	Up		
NIT	0.129	105	1.320	No		
PBT	-0.028	105	-0.284	No		
SET	-0.107	46	-0.714	No		
SRT	-0.017	105	-0.173	No		
VT	0.045	105	0.457	No		
ZNT	-0.092	105	-0.938	No		
Total Up						12
Total Down						4
Total No						19

Main River- NF02YG0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.185	105	-1.911	No		
COLORA	0.249	104	2.597	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.415	105	4.629	Up	2.326	0.01
O2D	-0.060	86	-0.551	No	2.576	0.005
PHL	0.116	106	1.191	No		
CAD	0.056	105	0.569	No		
NAD	-0.400	103	-4.386	Down		
MGD	-0.070	105	-0.712	No		
KD	-0.247	103	-2.562	Down		
SO4IC	-0.160	106	-1.653	No		
CLD	-0.207	106	-2.158	Down		
DOC	-0.008	105	-0.081	No		
PT	-0.117	105	-1.196	No		
NO3NO2	-0.015	105	-0.152	No		
NT	0.142	98	1.406	No		
SID	0.191	96	1.887	No		
ALT	0.037	106	0.378	No		
AST	-0.076	62	-0.590	No		
BAT	-0.028	106	-0.286	No		
BET	0.366	106	4.011	Up		
CDT	0.135	106	1.389	No		
COT	0.051	105	0.518	No		
CRT	-0.084	105	-0.856	No		
CUT	-0.312	105	-3.333	Down		
FET	0.032	105	0.325	No		
HGT	-0.398	85	-3.952	Down		
LIT	-0.070	104	-0.709	No		
MNT	0.001	105	0.010	No		
MOT	0.093	105	0.948	No		
NIT	0.087	105	0.886	No		
PBT	-0.152	105	-1.561	No		
SET	-0.162	45	-1.077	No		
SRT	-0.087	105	-0.886	No		
VT	0.104	105	1.061	No		
ZNT	-0.187	105	-1.932	No		
Total Up						3
Total Down						5
Total No						27

Lomond River- NF02YH0018

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.061	108	-0.629	No	1.645	0.05
COLORA	0.362	109	4.017	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.439	109	5.054	Up	2.326	0.01
O2D	-0.089	97	-0.871	No	2.576	0.005
PHL	-0.256	109	-2.739	Down		
CAD	-0.057	105	-0.579	No		
NAD	-0.398	102	-4.338	Down		
MGD	0.070	105	0.712	No		
KD	-0.332	102	-3.520	Down		
SO4IC	-0.165	107	-1.714	No		
CLD	-0.185	107	-1.929	No		
DOC	0.333	109	3.653	Up		
PT	-0.152	109	-1.591	No		
NO3NO2	0.422	106	4.747	Up		
NT	0.277	102	2.883	Up		
SID	0.295	100	3.056	Up		
ALT	0.025	109	0.259	No		
AST	-0.010	67	-0.081	No		
BAT	-0.243	109	-2.591	Down		
BET	0.452	109	5.242	Up		
CDT	0.434	109	4.983	Up		
COT	-0.053	107	-0.544	No		
CRT	0.029	107	0.297	No		
CUT	-0.381	107	-4.223	Down		
FET	0.099	107	1.019	No		
HGT	-0.413	89	-4.230	Down		
LIT	-0.057	106	-0.582	No		
MNT	0.029	107	0.297	No		
MOT	0.238	107	2.511	Up		
NIT	0.070	107	0.719	No		
PBT	-0.150	107	-1.555	No		
SET	-0.163	47	-1.108	No		
SRT	-0.146	107	-1.512	No		
VT	0.073	107	0.750	No		
ZNT	-0.210	107	-2.201	Down		
Total Up						9
Total Down						7
Total No						19

Upper Humber- NF02YL0011

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observation	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.114	55	-0.835	No	1.645	0.05
COLORA	0.384	55	3.028	Up	-1.96<t<1.96	alpha 0.025 5% signiffcance
TURB	0.422	55	3.389	Up	2.326	0.01
O2D	-0.085	35	-0.490	No	2.576	0.005
PHL	0.222	56	1.673	No		
CAD	-0.009	56	-0.066	No		
NAD	-0.387	55	-3.055	Down		
MGD	0.013	56	0.096	No		
KD	-0.051	55	-0.372	No		
SO4IC	-0.295	55	-2.248	Down		
CLD	-0.235	55	-1.760	No		
DOC	0.118	55	0.865	No		
PT	-0.254	56	-1.930	No		
NO3NO2	0.162	54	1.184	No		
NT	0.177	50	1.246	No		
SID	0.221	51	1.586	No		
ALT	0.104	55	0.761	No		
AST	-0.219	33	-1.250	No		
BAT	0.020	55	0.146	No		
BET	0.393	55	3.111	Up		
CDT	0.340	55	2.632	Up		
COT	0.088	54	0.637	No		
CRT	0.125	54	0.909	No		
CUT	-0.175	54	-1.282	No		
FET	0.202	54	1.487	No		
HGT	-0.587	45	-4.755	Down		
LIT	-0.136	53	-0.980	No		
MNT	0.089	54	0.644	No		
MOT	0.359	54	2.774	Up		
NIT	-0.021	54	-0.151	No		
PBT	-0.184	54	-1.350	No		
SET	-0.088	23	-0.405	No		
SRT	-0.168	54	-1.229	No		
VT	0.184	54	1.350	No		
ZNT	0.049	54	0.354	No		
Total Up				5		
Total Down				3		
Total No				27		

Humber Canal- NF02YK0022

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) alpha	0.05 0.025 5% significance 0.01 0.005
CONDL	0.023	35	0.132	No			
COLORA	0.315	35	1.907	No	-1.96	<	1.96
TURB	0.469	35	3.051	Up	2.326		0.01
O2D	-0.250	31	-1.390	No	2.576		0.005
PHL	0.424	37	2.770	Up			
CAD	0.013	37	0.077	No			
NAD	-0.424	37	-2.770	Down			
MGD	0.201	37	1.214	No			
KD	0.018	37	0.107	No			
SO4IC	0.299	36	1.827	No			
CLD	0.329	36	2.031	Up			
DOC	0.045	35	0.259	No			
PT	0.059	37	0.350	No			
NO3NO2	0.282	34	1.663	No			
NT	0.135	31	0.734	No			
SID	0.163	37	0.977	No			
ALT	-0.140	36	-0.824	No			
AST	-0.239	31	-1.325	No			
BAT	-0.088	36	-0.515	No			
BET	-	-	-	-			
CDT	-	-	-	-			
COT	-0.166	35	-0.967	No			
CRT	-0.061	35	-0.351	No			
CUT	0.224	35	1.320	No			
FET	-0.035	35	-0.201	No			
HGT	-0.865	36	-10.052	Down			
LIT	-0.057	35	-0.328	No			
MNT	-0.012	35	-0.069	No			
MOT	0.096	35	0.554	No			
NIT	0.022	35	0.126	No			
PBT	0.296	35	1.780	No			
SET	0.042	22	0.188	No			
SRT	-0.125	35	-0.724	No			
VT	-0.099	35	-0.572	No			
ZNT	0.304	35	1.833	No			
Total Up				3			
Total Down				2			
Total No				28			

Lower Humber- NF02YL0012

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) alpha	0.05
CONDL	0.108	58	0.813	No			
COLORA	0.179	58	1.362	No	-1.96<t<1.96	0.025	5% significance
TURB	0.551	58	4.941	Up	2.326		0.01
O2D	-0.130	51	-0.918	No	2.576		0.005
PHL	0.298	59	2.357	Up			
CAD	0.288	59	2.271	Up			
NAD	-0.399	58	-3.256	Down			
MGD	0.239	59	1.858	No			
KD	-0.323	58	-2.554	Down			
SO4IC	-0.031	58	-0.232	No			
CLD	-0.232	58	-1.785	No			
DOC	0.204	58	1.559	No			
PT	-0.204	59	-1.573	No			
NO3NO2	0.350	57	2.771	Up			
NT	0.260	52	1.904	No			
SID	0.276	53	2.051	Up			
ALT	0.192	58	1.464	No			
AST	-0.167	34	-0.958	No			
BAT	-0.339	58	-2.697	Down			
BET	0.185	58	1.409	No			
CDT	0.137	58	1.035	No			
COT	0.023	57	0.171	No			
CRT	-0.096	57	-0.715	No			
CUT	-0.181	57	-1.365	No			
FET	0.310	57	2.418	Up			
HGT	-0.505	46	-3.881	Down			
LIT	0.038	56	0.279	No			
MNT	0.068	57	0.505	No			
MOT	0.240	57	1.833	No			
NIT	0.196	57	1.482	No			
PBT	-0.244	57	-1.866	No			
SET	-0.179	23	-0.834	No			
SRT	0.124	57	0.927	No			
VT	0.065	57	0.483	No			
ZNT	-0.058	57	-0.431	No			
Total Up							6
Total Down							4
Total No							25

Wild Cove Brook- NF02YL0029

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	0.084	74	0.715	No	1.645	0.05
COLORA	0.042	74	0.357	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.373	74	3.411	Up	2.326	0.01
O2D	-0.439	67	-3.939	Down	2.576	0.005
PHL	-0.423	75	-3.989	Down		
CAD	0.152	75	1.314	No		
NAD	-0.065	73	-0.549	No		
MGD	0.034	75	0.291	No		
KD	0.482	73	4.635	Up		
SO4IC	-0.172	75	-1.492	No		
CLD	-0.005	75	-0.043	No		
DOC	0.216	74	1.877	No		
PT	0.218	74	1.895	No		
NO3NO2	0.312	74	2.787	Up		
NT	0.322	67	2.742	Up		
SID	0.205	75	1.790	No		
ALT	0.215	72	1.842	No		
AST	-0.292	58	-2.285	Down		
BAT	0.366	72	3.290	Up		
BET	0.246	72	2.123	Up		
CDT	0.188	72	1.601	No		
COT	0.124	72	1.046	No		
CRT	0.186	72	1.584	No		
CUT	0.160	72	1.356	No		
FET	0.370	72	3.332	Up		
HGT	-0.342	71	-3.023	Down		
LIT	0.514	72	5.013	Up		
MNT	0.341	72	3.035	Up		
MOT	-0.179	72	-1.522	No		
NIT	0.485	72	4.640	Up		
PBT	0.161	72	1.365	No		
SET	-0.094	44	-0.612	No		
SRT	0.100	72	0.841	No		
VT	0.130	72	1.097	No		
ZNT	0.254	72	2.197	Up		
Total Up						11
Total Down						4
Total No						20

Comer Brook- NF02YL0013

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	0.106	105	1.082	No		
COLORA	0.347	105	3.755	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.405	104	4.474	Up	2.326	0.01
O2D	-0.023	93	-0.219	No	2.576	0.005
PHL	0.078	106	0.798	No		
CAD	0.103	107	1.061	No		
NAD	-0.060	104	-0.607	No		
MGD	0.133	107	1.375	No		
KD	0.023	104	0.232	No		
SO4IC	-0.002	106	-0.020	No		
CLD	-0.003	106	-0.031	No		
DOC	0.332	106	3.589	Up		
PT	-0.106	107	-1.092	No		
NO3NO2	0.235	105	2.454	Up		
NT	0.232	99	2.349	Up		
SID	0.247	98	2.497	Up		
ALT	0.233	105	2.432	Up		
AST	0.071	64	0.560	No		
BAT	0.075	105	0.763	No		
BET	0.167	105	1.719	No		
CDT	0.156	105	1.603	No		
COT	0.146	104	1.490	No		
CRT	0.109	104	1.107	No		
CUT	-0.331	104	-3.543	Down		
FET	0.255	104	2.663	Up		
HGT	-0.375	85	-3.685	Down		
LIT	0.035	103	0.352	No		
MNT	0.069	104	0.699	No		
MOT	0.239	104	2.486	Up		
NIT	0.091	104	0.923	No		
PBT	-0.172	104	-1.763	No		
SET	-0.230	45	-1.550	No		
SRT	0.050	104	0.506	No		
VT	0.026	104	0.263	No		
ZNT	0.026	104	0.263	No		
Total Up				9		
Total Down				2		
Total No				24		

Pinchgut Brook- NF02YJ0004

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) alpha	0.05 0.025 5% significance 0.01 0.005
CONDL	-0.164	104	-1.679	No			
COLORA	0.320	104	3.411	Up	-1.96<t<1.96		
TURB	0.444	104	5.005	Up			
O2D	-0.112	96	-1.093	No			
PHL	-0.321	105	-3.440	Down			
CAD	-0.088	104	-0.892	No			
NAD	-0.601	103	-7.557	Down			
MGD	-0.082	105	-0.835	No			
KD	-0.312	103	-3.300	Down			
SO4IC	-0.236	105	-2.465	Down			
CLD	-0.425	105	-4.765	Down			
DOC	0.159	104	1.627	No			
PT	-0.158	105	-1.624	No			
NO3NO2	0.234	104	2.431	Up			
NT	0.144	96	1.411	No			
SID	0.302	95	3.055	Up			
ALT	-0.052	104	-0.526	No			
AST	-0.133	61	-1.031	No			
BAT	-0.348	104	-3.749	Down			
BET	0.333	104	3.567	Up			
CDT	0.333	104	3.567	Up			
COT	-0.098	103	-0.990	No			
CRT	-0.098	103	-0.990	No			
CUT	-0.301	103	-3.172	Down			
FET	0.149	103	1.514	No			
HGT	-0.526	85	-5.635	Down			
LIT	-0.071	102	-0.712	No			
MNT	-0.029	103	-0.292	No			
MOT	0.519	103	6.102	Up			
NIT	0.029	103	0.292	No			
PBT	-0.308	103	-3.254	Down			
SET	-0.087	45	-0.573	No			
SRT	-0.094	103	-0.949	No			
VT	0.096	103	0.969	No			
ZNT	-0.265	103	-2.762	Down			
Total Up							7
Total Down							10
Total No							18

Harry's River- NF02YJ0006

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.226	151	-2.832	Down		
COLORA	0.209	151	2.609	Up	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.127	148	1.547	No	2.326	0.01
O2D	0.347	51	2.590	Up	2.576	0.005
PHL	0.135	148	1.646	No		
CAD	-0.120	146	-1.450	No		
NAD	-0.257	143	-3.158	Down		
MGD	-0.191	148	-2.351	Down		
KD	0.116	143	1.387	No		
SO4IC	-0.400	141	-5.146	Down		
CLD	-0.501	144	-6.898	Down		
FD	-0.095	70	-0.787	No		
DOC	0.028	118	0.302	No		
PT	0.133	147	1.616	No		
NO3NO2	-0.110	148	-1.337	No		
NT	-0.099	145	-1.190	No		
SID	-0.013	94	-0.125	No		
ALT	0.101	33	0.565	No		
AST	-0.385	75	-3.564	Down		
BAT	-0.312	33	-1.828	No		
BET	0.416	33	2.547	Up		
CDT	0.461	33	2.892	Up		
COT	-0.069	33	-0.385	No		
CRT	0.191	33	1.083	No		
CUT	0.096	33	0.537	No		
FET	0.035	33	0.195	No		
HGT	0.361	14	1.341	No		
LIT	0.020	32	0.110	No		
MNT	-0.080	33	-0.447	No		
MOT	0.216	33	1.232	No		
NIT	0.269	33	1.555	No		
PBT	-0.144	33	-0.810	No		
SET	-	-	-	-		
SRT	-0.067	33	-0.374	No		
VT	0.121	33	0.679	No		
ZNT	-0.192	33	-1.089	No		
Total Up				4		
Total Down				6		
Total No				25		

Lloyd's River- NF02YN0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.085	102	-0.853	No	1.645	0.05
COLORA	0.084	114	0.892	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.473	113	5.656	Up	2.326	0.01
O2D	-0.157	105	-1.613	No	2.576	0.005
PHL	0.142	115	1.525	No		
CAD	-0.037	104	-0.374	No		
NAD	-0.316	101	-3.314	Down		
MGD	-0.090	104	-0.913	No		
KD	-0.510	101	-5.899	Down		
SO4IC	-0.049	115	-0.522	No		
CLD	-0.103	115	-1.101	No		
DOC	0.042	102	0.420	No		
PT	-0.147	116	-1.587	No		
NO3NO2	0.342	114	3.852	Up		
NT	0.016	108	0.165	No		
SID	0.187	94	1.826	No		
ALT	0.123	103	1.246	No		
AST	0.022	59	0.166	No		
BAT	-0.011	103	-0.111	No		
BET	0.181	103	1.850	No		
CDT	0.216	103	2.223	Up		
COT	0.198	102	2.020	Up		
CRT	0.116	102	1.168	No		
CUT	-0.252	102	-2.604	Down		
FET	0.125	102	1.260	No		
HGT	-0.523	83	-5.522	Down		
LIT	0.081	101	0.809	No		
MNT	0.168	102	1.704	No		
MOT	0.194	102	1.978	Up		
NIT	0.045	102	0.450	No		
PBT	-0.065	102	-0.651	No		
SET	-0.007	46	-0.046	No		
SRT	-0.060	102	-0.601	No		
VT	0.212	102	2.169	Up		
ZNT	-0.093	102	-0.934	No		
Total Up				6		
Total Down				4		
Total No				25		

Crabbe's River- NF02ZA0007

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.044	93	-0.420	No	1.645	0.05
COLORA	-0.108	93	-1.036	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.334	93	3.380	Up	2.326	0.01
O2D	-0.118	81	-1.056	No	2.576	0.005
PHL	0.282	94	2.819	Up		
CAD	-0.040	93	-0.382	No		
NAD	-0.083	91	-0.786	No		
MGD	0.015	93	0.143	No		
KD	-0.128	91	-1.218	No		
SO4IC	-0.083	94	-0.799	No		
CLD	-0.007	94	-0.067	No		
DOC	-0.250	93	-2.463	Down		
PT	-0.155	94	-1.505	No		
NO3NO2	-0.055	93	-0.525	No		
NT	-0.065	87	-0.601	No		
SID	0.059	94	0.567	No		
ALT	-0.018	94	-0.173	No		
AST	-0.099	62	-0.771	No		
BAT	-0.004	94	-0.038	No		
BET	0.285	94	2.852	Up		
CDT	0.128	94	1.238	No		
COT	0.222	93	2.172	Up		
CRT	0.042	93	0.401	No		
CUT	-0.338	93	-3.426	Down		
FET	-0.005	93	-0.048	No		
HGT	-0.254	86	-2.407	Down		
LIT	0.127	93	1.221	No		
MNT	0.214	93	2.090	Up		
MOT	0.336	93	3.403	Up		
NIT	0.106	93	1.017	No		
PBT	-0.147	93	-1.418	No		
SET	-0.235	46	-1.604	No		
SRT	-0.026	93	-0.248	No		
VT	-0.100	93	-0.959	No		
ZNT	-0.010	93	-0.095	No		
Total Up						6
Total Down						3
Total No						26

South Branch River- NF02ZA0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.140	104	-1.428	No	1.645	0.05
COLORA	0.040	104	0.404	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.412	104	4.567	Up	2.326	0.01
O2D	-0.055	92	-0.523	No	2.576	0.005
PHL	-0.014	105	-0.142	No		
CAD	-0.165	105	-1.698	No		
NAD	-0.154	104	-1.574	No		
MGD	-0.126	105	-1.289	No		
KD	-0.179	104	-1.837	No		
SO4IC	-0.116	105	-1.185	No		
CLD	-0.083	105	-0.845	No		
DOC	-0.119	104	-1.210	No		
PT	-0.171	105	-1.761	No		
NO3NO2	0.112	104	1.138	No		
NT	0.052	96	0.505	No		
SID	-0.013	95	-0.125	No		
ALT	0.002	105	0.020	No		
AST	-0.064	62	-0.497	No		
BAT	-0.061	105	-0.620	No		
BET	0.289	105	3.064	Up		
CDT	0.040	105	0.406	No		
COT	0.096	104	0.974	No		
CRT	0.000	104	0.000	No		
CUT	-0.231	104	-2.398	Down		
FET	0.027	104	0.273	No		
HGT	-0.478	85	-4.958	Down		
LIT	-0.020	103	-0.201	No		
MNT	0.428	104	4.783	Up		
MOT	0.006	104	0.061	No		
NIT	0.005	104	0.050	No		
PBT	-0.248	104	-2.585	Down		
SET	-0.056	47	-0.376	No		
SRT	-0.079	104	-0.800	No		
VT	-0.159	104	-1.627	No		
ZNT	0.012	104	0.121	No		
Total Up				3		
Total Down				3		
Total No				29		

Grand Codroy River- NF02ZA0006

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.255	109	-2.728	Down		
COLORA	0.055	109	0.570	No	-1.96<t<1.96	alpha 0.025 5% significance
TURB	0.395	109	4.448	Up	2.326	0.01
O2D	0.008	92	0.076	No	2.576	0.005
PHL	0.069	110	0.719	No		
CAD	-0.277	109	-2.982	Down		
NAD	-0.295	107	-3.164	Down		
MGD	-0.169	109	-1.774	No		
KD	-0.255	107	-2.702	Down		
SO4IC	-0.245	110	-2.626	Down		
CLD	-0.182	110	-1.924	No		
DOC	-0.050	109	-0.518	No		
PT	-0.057	109	-0.591	No		
NO3NO2	-0.081	109	-0.841	No		
NT	-0.082	101	-0.819	No		
SID	0.231	100	2.350	Up		
ALT	0.112	110	1.171	No		
AST	-0.191	67	-1.569	No		
BAT	-0.193	110	-2.044	Down		
BET	0.139	110	1.459	No		
CDT	0.028	110	0.291	No		
COT	0.064	109	0.663	No		
CRT	-0.146	109	-1.527	No		
CUT	-0.249	109	-2.659	Down		
FET	0.001	109	0.010	No		
HGT	-0.187	90	-1.786	No		
LIT	-0.086	108	-0.889	No		
MNT	-0.083	109	-0.862	No		
MOT	0.281	109	3.029	Up		
NIT	0.187	109	1.969	Up		
PBT	-0.240	109	-2.557	Down		
SET	0.019	47	0.127	No		
SRT	-0.277	109	-2.982	Down		
VT	0.070	109	0.726	No		
ZNT	0.018	109	0.186	No		
Total Up				4		
Total Down				9		
Total No				22		

Isle aux Mort River- NF02ZB0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.192	73	-1.648	No		
COLORA	0.131	73	1.113	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	-0.264	71	-2.274	Down	2.326	0.01
O2D	-	-	-	-	2.576	0.005
PHL	-0.095	71	-0.793	No		
CAD	-0.118	68	-0.965	No		
NAD	-0.080	64	-0.632	No		
MGD	-0.158	70	-1.319	No		
KD	0.174	64	1.391	No		
SO4IC	-0.141	67	-1.148	No		
CLD	-0.087	68	-0.709	No		
DOC	0.073	55	0.533	No		
PT	0.398	71	3.604	Up		
NO3NO2	-0.024	70	-0.198	No		
NT	0.067	70	0.554	No		
SID	-0.211	46	-1.432	No		
ALT	-	-	-	-		
AST	-	-	-	-		
BAT	-	-	-	-		
BET	-	-	-	-		
CDT	-	-	-	-		
COT	-	-	-	-		
CRT	-	-	-	-		
CUT	-	-	-	-		
FET	-	-	-	-		
HGT	-	-	-	-		
LIT	-	-	-	-		
MNT	-	-	-	-		
MOT	-	-	-	-		
NIT	-	-	-	-		
PBT	-	-	-	-		
SRT	-	-	-	-		
VT	-	-	-	-		
ZNT	-	-	-	-		
Total Up				1		
Total Down				1		
Total No				13		

Cing Cerf Brook- NF02ZB0005

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.043	66	-0.344	No	1.645	0.05
COLORA	0.083	66	0.666	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.368	65	3.141	Up	2.326	0.01
O2D	-0.154	59	-1.177	No	2.576	0.005
PHL	-0.048	67	-0.387	No		
CAD	-0.069	67	-0.558	No		
NAD	-0.112	67	-0.909	No		
MGD	-0.042	67	-0.339	No		
KD	-0.253	67	-2.108	Down		
SO4IC	0.118	67	0.958	No		
CLD	-0.014	67	-0.113	No		
DOC	0.128	66	1.032	No		
PT	0.128	67	1.041	No		
NO3NO2	-0.122	66	-0.983	No		
NT	-0.138	63	-1.088	No		
SID	0.053	61	0.408	No		
ALT	0.080	68	0.652	No		
AST	-0.492	29	-2.937	Down		
BAT	-0.131	68	-1.074	No		
BET	0.003	68	0.024	No		
CDT	0.081	68	0.660	No		
COT	0.053	68	0.431	No		
CRT	0.070	68	0.570	No		
CUT	-0.147	68	-1.207	No		
FET	-0.008	68	-0.065	No		
HGT	-0.595	50	-5.129	Down		
LIT	0.058	68	0.472	No		
MNT	0.237	68	1.982	No		
MOT	0.032	68	0.260	No		
NIT	0.177	68	1.461	No		
PBT	-0.032	68	-0.260	No		
SET	-0.052	22	-0.233	No		
SRT	-0.079	68	-0.644	No		
VT	0.049	68	0.399	No		
ZNT	-0.021	68	-0.171	No		
Total Up				1		
Total Down				3		
Total No				31		

Grandy Brook- NF02ZC0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.274	90	-2.673	Down	1.645	0.05
COLORA	0.193	90	1.845	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.142	87	1.323	No	2.326	0.01
O2D	-	-	-	-	2.576	0.005
PHL	-0.185	89	-1.756	No		
CAD	-0.168	87	-1.571	No		
NAD	-0.188	83	-1.723	No		
MGD	-0.237	88	-2.262	Down		
KD	-0.051	83	-0.460	No		
SO4IC	-0.145	85	-1.335	No		
CLD	-0.203	87	-1.911	No		
FD	-0.314	37	-1.957	No		
DOC	0.093	79	0.820	No		
PT	-0.164	88	-1.542	No		
NO3NO2	-0.160	89	-1.512	No		
NT	-0.180	88	-1.697	No		
SID	-0.057	63	-0.446	No		
ALT	0.027	35	0.155	No		
AST	-0.411	37	-2.667	Down		
BAT	-0.370	35	-2.288	Down		
BET	0.515	35	3.451	Up		
CDT	0.496	35	3.281	Up		
COT	0.112	35	0.647	No		
CRT	0.242	35	1.433	No		
CUT	-0.003	35	-0.017	No		
FET	0.092	35	0.531	No		
HGT	-	-	-	-		
LIT	-0.192	34	-1.107	No		
MNT	0.137	35	0.794	No		
MOT	0.169	35	0.985	No		
NIT	0.006	35	0.034	No		
PBT	-0.176	35	-1.027	No		
SRT	-0.216	35	-1.271	No		
VT	-0.111	35	-0.642	No		
ZNT	-0.233	35	-1.376	No		
Total Up						2
Total Down						4
Total No						27

White Bear River- NF02ZC0011

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.165	43	-1.071	No	1.645	0.05
COLORA	0.243	43	1.604	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	0.309	43	2.080	Up	2.326	0.01
O2D	-0.288	35	-1.728	No	2.576	0.005
PHL	-0.034	44	-0.220	No		
CAD	-0.101	44	-0.658	No		
NAD	-0.188	44	-1.240	No		
MGD	-0.066	44	-0.429	No		
KD	-0.294	44	-1.993	Down		
SO4IC	-0.121	44	-0.790	No		
CLD	-0.072	44	-0.468	No		
DOC	-0.102	42	-0.648	No		
PT	0.074	44	0.481	No		
NO3NO2	-0.280	43	-1.868	No		
NT	0.038	38	0.228	No		
SID	-0.093	44	-0.605	No		
ALT	-0.122	44	-0.797	No		
AST	-0.400	31	-2.350	Down		
BAT	-0.017	44	-0.110	No		
BET	0.189	44	1.247	No		
CDT	0.189	44	1.247	No		
COT	0.239	44	1.595	No		
CRT	0.227	44	1.511	No		
CUT	0.277	44	1.868	No		
FET	-0.274	44	-1.846	No		
HGT	-0.509	44	-3.832	Down		
LIT	-0.045	44	-0.292	No		
MNT	-0.011	44	-0.071	No		
MOT	0.458	44	3.339	Up		
NIT	0.088	44	0.573	No		
PBT	0.032	44	0.207	No		
SET	-0.277	22	-1.289	No		
SRT	-0.063	44	-0.409	No		
VT	-0.057	44	-0.370	No		
ZNT	-0.041	44	-0.266	No		
Total Up				2		
Total Down				3		
Total No				30		

Grey River- NF02ZD0003

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if 1.645	(for infinite degrees of freedom) 0.05
CONDL	-0.368	59	-2.988	Down		
COLORA	0.288	59	2.271	Up	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	-0.067	57	-0.498	No	2.326	0.01
O2D	-	-	-	-	2.576	0.005
PHL	-0.213	58	-1.631	No		
CAD	-0.206	56	-1.547	No		
NAD	-0.261	53	-1.931	No		
MGD	-0.258	57	-1.980	Down		
KD	-0.363	53	-2.782	Down		
SO4IC	-0.201	53	-1.465	No		
CLD	-0.259	55	-1.952	No		
FD	-0.074	34	-0.420	No		
DOC	0.118	48	0.806	No		
PT	0.202	58	1.543	No		
NO3NO2	-0.090	57	-0.670	No		
NT	-0.080	58	-0.601	No		
SID	0.033	41	0.206	No		
ALT	-	-	-	-		
AST	-0.346	36	-2.150	Down		
BAT	-	-	-	-		
BET	-	-	-	-		
CDT	-	-	-	-		
COT	-	-	-	-		
CRT	-	-	-	-		
CUT	-	-	-	-		
FET	-	-	-	-		
HGT	-	-	-	-		
LIT	-	-	-	-		
MNT	-	-	-	-		
MOT	-	-	-	-		
NIT	-	-	-	-		
PBT	-	-	-	-		
SRT	-	-	-	-		
VT	-	-	-	-		
ZNT	-	-	-	-		
Total Up						1
Total Down						4
Total No						12

Churchill Falls- NF03OE0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.154	42	-0.986	No	1.645	0.05
COLORA	0.233	40	1.477	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	-0.062	40	-0.383	No	2.326	0.01
O2D	-	-	-	-	2.576	0.005
PHL	0.063	41	0.394	No		
CAD	-0.085	39	-0.519	No		
NAD	0.108	39	0.661	No		
MGD	-0.077	39	-0.470	No		
KD	0.345	39	2.236	Up		
SO4IC	-0.278	37	-1.712	No		
CLD	-0.128	39	-0.785	No		
DOC	-0.056	35	-0.322	No		
PT	0.090	41	0.564	No		
NO3NO2	0.067	40	0.414	No		
NT	0.308	41	2.022	Up		
SID	-0.006	30	-0.032	No		
ALT	-	-	-	-		
AST	-	-	-	-		
BAT	-	-	-	-		
BET	-	-	-	-		
CDT	-	-	-	-		
COT	-	-	-	-		
CRT	-	-	-	-		
CUT	-	-	-	-		
FET	-	-	-	-		
HGT	-	-	-	-		
LIT	-	-	-	-		
MNT	-	-	-	-		
MOT	-	-	-	-		
NIT	-	-	-	-		
PBT	-	-	-	-		
SRT	-	-	-	-		
VT	-	-	-	-		
ZNT	-	-	-	-		
Total Up				2		
Total Down				0		
Total No				13		

Eagle River- NF03QC0001

Spearman Rank Correlation Coefficients for Agreement Water Quality Parameters

	Spearman's R	Number of Observations	Test Statistic	Is There a Trend?	no trend if	(for infinite degrees of freedom)
CONDL	-0.159	44	-1.044	No	1.645	0.05
COLORA	0.172	44	1.132	No	-1.96 < t < 1.96	alpha 0.025 5% significance
TURB	-0.331	43	-2.246	Down	2.326	0.01
O2D	-	-	-	-	2.576	0.005
PHL	-0.149	44	-0.977	No		
CAD	-0.031	42	-0.196	No		
NAD	-0.006	42	-0.038	No		
MGD	-0.053	42	-0.336	No		
KD	0.290	42	1.916	No		
SO4IC	-0.174	42	-1.118	No		
CLD	-0.231	41	-1.483	No		
DOC	-0.246	36	-1.480	No		
PT	0.020	44	0.130	No		
NO3NO2	0.338	43	2.300	Up		
NT	0.321	43	2.170	Up		
SID	-0.027	31	-0.145	No		
ALT	-	-	-	-		
AST	-	-	-	-		
BAT	-	-	-	-		
BET	-	-	-	-		
CDT	-	-	-	-		
COT	-	-	-	-		
CRT	-	-	-	-		
CUT	-	-	-	-		
FET	-	-	-	-		
HGT	-	-	-	-		
LIT	-	-	-	-		
MNT	-	-	-	-		
MOT	-	-	-	-		
NIT	-	-	-	-		
PBT	-	-	-	-		
SRT	-	-	-	-		
VT	-	-	-	-		
ZNT	-	-	-	-		
Total Up				2		
Total Down				1		
Total No				12		