

Seasonal Kendall Test Trend Results - Monthly Geomean and FWM

Variable: TP  
 Period: WY2003-2014

Group	WQ Site	SITE_FLOW	SITE_TYPE	STAT	Dataset	All Seasons				Wet Season				Dry Season						
						No. Obs	Geomean		Trend (%/yr)	p-value	No. Obs	Geomean		Trend (%/yr)	p-value	No. Obs	Geomean		Trend (%/yr)	p-value
							(ppb)	FWM (ppb)				(ppb)	FWM (ppb)				(ppb)	FWM (ppb)		
Inflows	L3BR5	G155	Structure	FWM	All Flows	438	44.8	122.7	-11.3%	0.000	217	62.9	137.9	-14.4%	0.000	221	33.3	30.3	-7.2%	0.024
					Positive Flows	199	56.4	122.7	-11.3%	0.000	121	73.7	137.9	-14.4%	0.000	78	34.7	30.3	-7.2%	0.024
				Geomean	All Flows	438	44.8	122.7	-10.1%	0.000	217	62.9	137.9	-13.0%	0.000	221	33.3	30.3	-6.8%	0.000
					Positive Flows	199	56.4	122.7	-11.3%	0.000	121	73.7	137.9	-13.5%	0.000	78	34.7	30.3	-6.8%	0.008
S190	S190	Structure	FWM	All Flows	490	36.1	87.1	-3.5%	0.005	249	48.3	91.1	-5.5%	0.006	241	27.3	40.3	-0.8%	0.520	
				Positive Flows	241	43.0	87.1	-3.5%	0.005	173	53.1	91.1	-5.5%	0.006	68	29.9	40.3	-0.8%	0.520	
				Geomean	All Flows	490	36.1	87.1	-2.4%	0.001	249	48.3	91.1	-4.8%	0.000	241	27.3	40.3	-0.8%	0.433
					Positive Flows	241	43.0	87.1	-3.5%	0.001	173	53.1	91.1	-5.5%	0.003	68	29.9	40.3	-1.4%	0.247
S140	S140	Structure	FWM	All Flows	600	36.5	44.0	-0.4%	0.338	296	39.9	45.1	-1.2%	0.114	304	33.8	39.3	0.3%	0.706	
				Positive Flows	385	38.5	44.0	-0.4%	0.338	236	41.9	45.1	-1.2%	0.114	149	35.5	39.3	0.3%	0.706	
				Geomean	All Flows	600	36.5	44.0	0.4%	0.736	296	39.9	45.1	-0.5%	0.557	304	33.8	39.3	1.7%	0.275
					Positive Flows	385	38.5	44.0	-0.4%	0.599	236	41.9	45.1	-0.9%	0.204	149	35.5	39.3	0.7%	0.497
L28I	S140	Structure	FWM	All Flows	131	45.3	75.4	-2.7%	0.170	95	55.6	78.4	-3.6%	0.130	36	32.6	38.9	1.0%	0.689	
				Positive Flows	110	50.8	75.4	-2.7%	0.170	90	58.9	78.4	-3.6%	0.130	20	32.9	38.9	1.0%	0.689	
				Geomean	All Flows	131	45.3	75.4	-1.3%	0.217	95	55.6	78.4	-3.5%	0.123	36	32.6	38.9	0.0%	1.000
					Positive Flows	110	50.8	75.4	-2.5%	0.253	90	58.9	78.4	-3.5%	0.200	20	32.9	38.9	1.0%	0.689
S8	S8	Structure	FWM	All Flows	604	24.8	37.1	-11.1%	0.000	302	27.9	38.7	-11.6%	0.000	302	22.9	27.9	-8.9%	0.010	
				Positive Flows	204	25.8	37.1	-11.1%	0.000	161	26.7	38.7	-11.6%	0.000	43	23.4	27.9	-8.9%	0.010	
				Geomean	All Flows	604	24.8	37.1	-8.4%	0.000	302	27.9	38.7	-8.5%	0.000	302	22.9	27.9	-8.3%	0.000
					Positive Flows	204	25.8	37.1	-9.9%	0.000	161	26.7	38.7	-10.6%	0.000	43	23.4	27.9	-8.5%	0.017
S7	S7	Structure	FWM	All Flows	560	21.3	20.7	-8.0%	0.000	293	22.5	19.9	-8.9%	0.000	267	21.2	24.0	-5.2%	0.037	
				Positive Flows	280	21.6	20.7	-8.0%	0.000	203	22.6	19.9	-8.9%	0.000	77	21.4	24.0	-5.2%	0.037	
				Geomean	All Flows	560	21.3	20.7	-7.3%	0.000	293	22.5	19.9	-8.9%	0.000	267	21.2	24.0	-5.2%	0.001
					Positive Flows	280	21.6	20.7	-7.6%	0.000	203	22.6	19.9	-7.9%	0.000	77	21.4	24.0	-6.3%	0.008
S150	S150	Structure	FWM	All Flows	447	19.0	22.4	-1.2%	0.405	233	18.9	21.5	-1.0%	0.697	214	19.4	23.6	-1.6%	0.476	
				Positive Flows	138	20.3	22.4	-1.2%	0.405	74	15.4	21.5	-1.0%	0.697	64	21.1	23.6	-1.6%	0.476	
				Geomean	All Flows	447	19.0	22.4	-5.0%	0.000	233	18.9	21.5	-5.8%	0.000	214	19.4	23.6	-4.1%	0.002
					Positive Flows	138	20.3	22.4	-1.1%	0.541	74	15.4	21.5	-0.2%	0.815	64	21.1	23.6	-1.6%	0.579
S11C	S11C	Structure	FWM	All Flows	180	18.0	14.2	-5.2%	0.000	102	19.3	15.0	-5.3%	0.002	78	18.6	12.1	-4.7%	0.109	
				Positive Flows	100	14.5	14.2	-5.2%	0.000	61	15.5	15.0	-5.3%	0.002	39	13.2	12.1	-4.7%	0.109	
				Geomean	All Flows	180	18.0	14.2	-7.4%	0.000	102	19.3	15.0	-8.0%	0.000	78	18.6	12.1	-7.0%	0.000
					Positive Flows	100	14.5	14.2	-5.8%	0.000	61	15.5	15.0	-5.9%	0.001	39	13.2	12.1	-5.4%	0.039
S11B	S11B	Structure	FWM	All Flows	136	14.1	10.6	-1.6%	0.300	86	13.0	9.7	-1.6%	0.328	50	16.6	14.4	-3.0%	0.862	
				Positive Flows	87	11.5	10.6	-1.6%	0.300	61	10.6	9.7	-1.6%	0.328	26	12.9	14.4	-3.0%	0.862	
				Geomean	All Flows	136	14.1	10.6	-5.2%	0.000	86	13.0	9.7	-4.7%	0.005	50	16.6	14.4	-6.1%	0.028
					Positive Flows	87	11.5	10.6	-1.7%	0.350	61	10.6	9.7	-1.6%	0.397	26	12.9	14.4	-3.0%	0.862
S11A	S11A	Structure	FWM	All Flows	207	15.2	11.8	-5.7%	0.004	112	15.8	10.9	-3.5%	0.119	95	16.2	14.0	-10.9%	0.003	
				Positive Flows	108	12.0	11.8	-5.7%	0.004	63	11.6	10.9	-3.5%	0.119	45	14.4	14.0	-10.9%	0.003	
				Geomean	All Flows	207	15.2	11.8	-5.9%	0.000	112	15.8	10.9	-4.5%	0.005	95	16.2	14.0	-7.7%	0.000
					Positive Flows	108	12.0	11.8	-5.6%	0.002	63	11.6	10.9	-3.9%	0.059	45	14.4	14.0	-10.6%	0.003
S9	S9	Structure	FWM	All Flows	617	12.4	18.8	-2.9%	0.004	311	13.4	18.7	-2.4%	0.045	306	11.5	19.2	-5.3%	0.009	
				Positive Flows	209	14.9	18.8	-2.9%	0.004	159	15.7	18.7	-2.4%	0.045	50	13.6	19.2	-5.3%	0.009	
				Geomean	All Flows	617	12.4	18.8	-3.4%	0.000	311	13.4	18.7	-3.8%	0.000	306	11.5	19.2	-3.1%	0.000
					Positive Flows	209	14.9	18.8	-3.7%	0.000	159	15.7	18.7	-3.4%	0.000	50	13.6	19.2	-4.5%	0.009
S9A	S9A	Structure	FWM	All Flows	594	11.8	11.4	-2.0%	0.000	289	12.6	11.8	-2.2%	0.009	305	11.1	10.8	-1.8%	0.001	
				Positive Flows	473	11.1	11.4	-2.0%	0.000	233	11.5	11.8	-2.2%	0.009	240	10.8	10.8	-1.8%	0.001	
				Geomean	All Flows	594	11.8	11.4	-2.7%	0.000	289	12.6	11.8	-3.1%	0.001	305	11.1	10.8	-2.3%	0.000
					Positive Flows	473	11.1	11.4	-2.1%	0.000	233	11.5	11.8	-3.0%	0.002	240	10.8	10.8	-1.7%	0.001

Legend	
Trend Direction	Significance
Increasing	p <= 0.05
Increasing	0.05 < p <= 0.10
Decreasing	p <= 0.05
Decreasing	0.05 < p <= 0.10



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Group	WQ Site	SITE_FLOW	SITE_TYPE	STAT	Dataset	All Seasons				Wet Season				Dry Season						
						No. Obs	Geomean (ppb)	FWM (ppb)	Trend (%/yr)	p-value	No. Obs	Geomean (ppb)	FWM (ppb)	Trend (%/yr)	p-value	No. Obs	Geomean (ppb)	FWM (ppb)	Trend (%/yr)	p-value
L-29 East	S333	S333	Structure	FWM	All Flows	520	11.5	12.6	-1.5%	0.032	256	13.8	14.7	-2.9%	0.012	264	9.7	10.5	-0.5%	0.457
					Positive Flows	382	11.3	12.6	-1.5%	0.032	161	13.8	14.7	-2.9%	0.012	221	9.9	10.5	-0.5%	0.457
					Geomean	520	11.5	12.6	-1.8%	0.009	256	13.8	14.7	-2.8%	0.053	264	9.7	10.5	-1.4%	0.087
					Positive Flows	382	11.3	12.6	-1.5%	0.045	161	13.8	14.7	-2.9%	0.024	221	9.9	10.5	-0.8%	0.439
	SAFARI	S333-S334	Structure	FWM	All Flows	235	14.2	13.5	0.1%	0.743	116	15.6	15.5	-0.2%	0.735	119	12.7	11.5	0.4%	0.493
					Positive Flows	164	13.6	13.5	0.1%	0.743	68	15.1	15.5	-0.2%	0.735	96	12.5	11.5	0.4%	0.493
					Geomean	235	14.2	13.5	1.1%	0.118	116	15.6	15.5	0.5%	0.624	119	12.7	11.5	1.9%	0.089
					Positive Flows	164	13.6	13.5	0.2%	0.742	68	15.1	15.5	-0.3%	0.692	96	12.5	11.5	1.0%	0.467
	FROGCITY	S333-S334	Structure	FWM	All Flows	54	11.3	10.8	-2.2%	0.086	32	11.9	11.8	-1.8%	0.333	22	10.1	9.5	-4.1%	0.186
					Positive Flows	49	11.2	10.8	-2.2%	0.086	27	11.9	11.8	-1.8%	0.333	22	10.1	9.5	-4.1%	0.186
					Geomean	54	11.3	10.8	-0.8%	0.350	32	11.9	11.8	-0.7%	0.534	22	10.1	9.5	-2.8%	0.571
					Positive Flows	49	11.2	10.8	-2.1%	0.220	27	11.9	11.8	-1.8%	0.333	22	10.1	9.5	-2.8%	0.571
	GLADER	S333-S334	Structure	FWM	All Flows	168	11.5	11.0	-1.3%	0.193	77	12.9	12.2	-3.6%	0.015	91	10.2	10.0	0.0%	1.000
					Positive Flows	145	11.4	11.0	-1.3%	0.193	61	12.9	12.2	-3.6%	0.015	84	10.2	10.0	0.0%	1.000
					Geomean	168	11.5	11.0	-1.1%	0.114	77	12.9	12.2	-1.9%	0.028	91	10.2	10.0	0.0%	1.000
					Positive Flows	145	11.4	11.0	-1.2%	0.289	61	12.9	12.2	-3.5%	0.037	84	10.2	10.0	0.0%	1.000
	COOPERTN	S333-S334	Structure	FWM	All Flows	186	11.5	11.2	-0.2%	0.537	92	12.4	12.5	-0.7%	0.437	94	10.4	10.0	0.0%	1.000
					Positive Flows	147	11.5	11.2	-0.2%	0.537	62	12.3	12.5	-0.7%	0.437	85	10.7	10.0	0.0%	1.000
					Geomean	186	11.5	11.2	-0.1%	0.508	92	12.4	12.5	-0.7%	0.367	94	10.4	10.0	0.0%	1.000
					Positive Flows	147	11.5	11.2	0.0%	1.000	62	12.3	12.5	-0.9%	0.401	85	10.7	10.0	0.0%	1.000
	TAMBR6	S333-S334	Structure	FWM	All Flows	138	11.2	11.1	-1.1%	0.418	78	12.6	12.1	-1.2%	0.376	60	9.8	9.8	0.0%	1.000
					Positive Flows	110	11.0	11.1	-1.1%	0.418	55	12.3	12.1	-1.2%	0.376	55	9.9	9.8	0.0%	1.000
					Geomean	138	11.2	11.1	-0.9%	0.064	78	12.6	12.1	-1.4%	0.084	60	9.8	9.8	-0.1%	0.445
					Positive Flows	110	11.0	11.1	-0.5%	0.264	55	12.3	12.1	-0.9%	0.307	55	9.9	9.8	0.0%	0.648
TAMBR5	S333-S334	Structure	FWM	All Flows	137	11.2	11.2	-1.2%	0.234	76	12.1	12.2	-1.1%	0.443	61	10.1	10.1	-1.5%	0.392	
				Positive Flows	104	11.1	11.2	-1.2%	0.234	52	12.0	12.2	-1.1%	0.443	52	10.2	10.1	-1.5%	0.392	
				Geomean	137	11.2	11.2	-0.4%	0.490	76	12.1	12.2	-0.1%	0.784	61	10.1	10.1	-0.7%	0.485	
				Positive Flows	104	11.1	11.2	-0.9%	0.194	52	12.0	12.2	-0.9%	0.364	52	10.2	10.1	-0.9%	0.392	
TAMBR1	S333-S334	Structure	FWM	All Flows	235	11.5	11.1	-1.6%	0.032	123	12.8	12.0	-1.2%	0.121	112	10.0	10.1	-2.0%	0.152	
				Positive Flows	161	11.2	11.1	-1.6%	0.032	72	12.7	12.0	-1.2%	0.121	89	10.0	10.1	-2.0%	0.152	
				Geomean	235	11.5	11.1	-1.5%	0.052	123	12.8	12.0	-0.9%	0.335	112	10.0	10.1	-2.0%	0.073	
				Positive Flows	161	11.2	11.1	-1.6%	0.028	72	12.7	12.0	-1.3%	0.128	89	10.0	10.1	-2.0%	0.125	
S356-334	S334	Structure	FWM	All Flows	436	11.4	12.2	0.0%	0.934	210	13.3	13.3	-0.3%	0.877	226	9.8	11.0	0.0%	1.000	
				Positive Flows	209	11.4	12.2	0.0%	0.934	101	13.7	13.3	-0.3%	0.877	108	10.9	11.0	0.0%	1.000	
				Geomean	436	11.4	12.2	-2.6%	0.000	210	13.3	13.3	-2.0%	0.050	226	9.8	11.0	-3.0%	0.000	
				Positive Flows	209	11.4	12.2	-0.3%	0.647	101	13.7	13.3	-0.8%	0.757	108	10.9	11.0	-0.1%	0.767	
L-29 West	US41-25	S343	Structure	FWM	All Flows	252	18.0	9.4	0.5%	0.817	134	19.1	9.4	0.6%	0.724	118	17.9	8.9	-2.2%	0.759
					Positive Flows	75	10.6	9.4	0.5%	0.817	60	10.0	9.4	0.6%	0.724	15	11.4	8.9	-2.2%	0.759
					Geomean	252	18.0	9.4	-0.7%	0.462	134	19.1	9.4	-1.4%	0.391	118	17.9	8.9	-0.2%	0.884
					Positive Flows	75	10.6	9.4	0.3%	0.772	60	10.0	9.4	0.8%	0.679	15	11.4	8.9	-2.1%	0.759
	S12A	S12A	Structure	FWM	All Flows	448	15.4	6.9	-3.4%	0.006	226	16.4	6.9	-3.6%	0.004	222	15.7	8.2	20.6%	0.296
					Positive Flows	120	8.7	6.9	-3.4%	0.006	116	9.0	6.9	-3.6%	0.004	4	8.5	8.2	20.6%	0.296
					Geomean	448	15.4	6.9	-1.1%	0.113	226	16.4	6.9	-3.1%	0.029	222	15.7	8.2	0.0%	0.978
					Positive Flows	120	8.7	6.9	-3.3%	0.012	116	9.0	6.9	-3.4%	0.008	4	8.5	8.2	20.5%	0.296
	S12B	S12B	Structure	FWM	All Flows	236	10.3	6.3	-2.0%	0.089	139	10.7	6.1	-2.0%	0.216	97	10.6	6.9	-2.0%	0.249
					Positive Flows	162	7.4	6.3	-2.0%	0.089	109	7.5	6.1	-2.0%	0.216	53	7.7	6.9	-2.0%	0.249
					Geomean	236	10.3	6.3	-1.8%	0.272	139	10.7	6.1	-2.5%	0.146	97	10.6	6.9	0.0%	1.000
					Positive Flows	162	7.4	6.3	-2.0%	0.062	109	7.5	6.1	-2.0%	0.105	53	7.7	6.9	-2.6%	0.398
	S12C	S12C	Structure	FWM	All Flows	314	9.0	7.0	-2.0%	0.010	185	10.3	7.6	-2.0%	0.049	129	7.6	5.5	-2.0%	0.112
					Positive Flows	202	7.7	7.0	-2.0%	0.010	131	8.6	7.6	-2.0%	0.049	71	6.4	5.5	-2.0%	0.112
					Geomean	314	9.0	7.0	-1.8%	0.045	185	10.3	7.6	-2.3%	0.031	129	7.6	5.5	0.0%	0.653
					Positive Flows	202	7.7	7.0	-2.0%	0.056	131	8.6	7.6	-2.0%	0.054	71	6.4	5.5	-1.9%	0.570
	S12D	S12D	Structure	FWM	All Flows	363	10.6	9.6	-3.2%	0.000	203	12.5	10.4	-4.2%	0.000	160	9.1	8.1	-1.7%	0.034
					Positive Flows	340	10.0	9.6	-3.2%	0.000	187	11.9	10.4	-4.2%	0.000	153	8.3	8.1	-1.7%	0.034
					Geomean	363	10.6	9.6	-3.2%	0.000	203	12.5	10.4	-4.3%	0.000	160	9.1	8.1	-1.8%	0.035
					Positive Flows	340	10.0	9.6	-3.0%	0.000	187	11.9	10.4	-4.2%	0.000	153	8.3	8.1	-1.8%	0.059
	S333	S333	Structure	FWM	All Flows	520	11.5	12.6	-1.5%	0.032	256	13.8	14.7	-2.9%	0.012	264	9.7	10.5	-0.5%	0.457
					Positive Flows	382	11.3	12.6	-1.5%	0.032	161	13.8	14.7	-2.9%	0.012	221	9.9	10.5	-0.5%	0.457
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					Positive Flows	382	11.3	12.6	-1.5%	0.045	161	13.8	14.7	-2.9%	0.024	221	9.9	10.5	-0.8%	0.439

Legend	
Trend Direction	Significance
Increasing	p <= 0.05
Increasing	0.05 < p <= 0.10
Decreasing	p <= 0.05
Decreasing	0.05 < p <= 0.10

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 Period: WY2003-2014

Group	WQ Site	SITE_FLOW	SITE_TYPE	STAT	Dataset	All Seasons				Wet Season				Dry Season										
						No. Obs	Geomean		Trend (%/yr)	p-value	No. Obs	Geomean		Trend (%/yr)	p-value	No. Obs	Geomean		Trend (%/yr)	p-value				
							(ppb)	FWM (ppb)				(ppb)	FWM (ppb)				(ppb)	FWM (ppb)						
ENP Marsh	P34	S12ABC	Marsh	FWM	All Flows	101	4.2	3.5	0.0%	1.000	54	3.9	3.4	0.0%	1.000	47	4.6	3.8	0.0%	1.000				
					Positive Flows	56	3.6	3.5	0.0%	1.000	37	3.5	3.4	0.0%	1.000	19	3.6	3.8	0.0%	1.000				
					Geomean	All Flows	101	4.2	3.5	0.0%	1.000	54	3.9	3.4	0.0%	1.000	47	4.6	3.8	0.0%	1.000			
						Positive Flows	56	3.6	3.5	0.0%	1.000	37	3.5	3.4	0.0%	1.000	19	3.6	3.8	0.0%	1.000			
					NP201	S12ABC	Marsh	FWM	All Flows	121	4.9	4.1	-3.3%	0.001	63	4.9	4.3	-2.8%	0.005	58	5.3	3.4	-5.6%	0.128
									Positive Flows	57	3.6	4.1	-3.3%	0.001	38	3.8	4.3	-2.8%	0.005	19	3.3	3.4	-5.6%	0.128
	Geomean	All Flows	121	4.9					4.1	-4.0%	0.000	63	4.9	4.3	-3.5%	0.001	58	5.3	3.4	-4.7%	0.007			
		Positive Flows	57	3.6					4.1	-3.3%	0.001	38	3.8	4.3	-2.8%	0.005	19	3.3	3.4	-5.6%	0.128			
	P33	S12x+S333-S3	Marsh	FWM					All Flows	124	6.0	5.6	-2.2%	0.026	63	6.6	6.0	0.0%	1.000	61	5.6	4.7	-3.0%	0.044
									Positive Flows	111	5.8	5.6	-2.2%	0.026	55	6.2	6.0	0.0%	1.000	56	5.5	4.7	-3.0%	0.044
					Geomean	All Flows	124	6.0	5.6	-2.2%	0.017	63	6.6	6.0	0.0%	1.000	61	5.6	4.7	-3.1%	0.031			
						Positive Flows	111	5.8	5.6	-2.2%	0.030	55	6.2	6.0	0.0%	1.000	56	5.5	4.7	-3.0%	0.043			
					P36	S12x+S333-S3	Marsh	FWM	All Flows	126	6.7	7.2	0.0%	1.000	63	7.6	7.7	0.0%	0.088	63	6.2	6.1	0.0%	1.000
									Positive Flows	111	6.3	7.2	0.0%	1.000	54	6.5	7.7	0.0%	0.088	57	6.3	6.1	0.0%	1.000
	Geomean	All Flows	126	6.7					7.2	0.0%	1.000	63	7.6	7.7	-2.4%	0.024	63	6.2	6.1	0.0%	1.000			
		Positive Flows	111	6.3					7.2	0.0%	1.000	54	6.5	7.7	0.0%	1.000	57	6.3	6.1	0.0%	1.000			
	P35	S12x+S333-S3	Marsh	FWM					All Flows	92	6.6	6.2	0.0%	0.053	56	6.6	6.2	0.0%	1.000	36	6.8	6.1	-3.1%	0.067
									Positive Flows	84	6.4	6.2	0.0%	0.053	49	6.2	6.2	0.0%	1.000	35	6.6	6.1	-3.1%	0.067
					Geomean	All Flows	92	6.6	6.2	0.0%	1.000	56	6.6	6.2	0.0%	1.000	36	6.8	6.1	-2.9%	0.121			
						Positive Flows	84	6.4	6.2	0.0%	1.000	49	6.2	6.2	0.0%	1.000	35	6.6	6.1	-3.1%	0.107			
					NE1	S333-S334	Marsh	FWM	All Flows	129	5.1	5.2	-4.2%	0.001	64	5.6	6.0	-3.0%	0.159	65	4.8	4.5	-4.7%	0.004
									Positive Flows	84	5.2	5.2	-4.2%	0.001	37	5.7	6.0	-3.0%	0.159	47	5.1	4.5	-4.7%	0.004
	Geomean	All Flows	129	5.1					5.2	-2.8%	0.000	64	5.6	6.0	-2.6%	0.048	65	4.8	4.5	-3.1%	0.003			
		Positive Flows	84	5.2					5.2	-4.2%	0.001	37	5.7	6.0	-3.0%	0.159	47	5.1	4.5	-4.7%	0.004			
L31/C111	S331-173	S331+S173	Structure	FWM					All Flows	506	7.5	7.4	0.0%	0.773	249	8.0	7.5	0.8%	0.317	257	7.2	7.2	-0.9%	0.179
									Positive Flows	457	7.4	7.4	0.0%	0.773	219	7.8	7.5	0.8%	0.317	238	7.1	7.2	-0.9%	0.179
					Geomean	All Flows	506	7.5	7.4	0.0%	1.000	249	8.0	7.5	1.1%	0.092	257	7.2	7.2	-0.9%	0.216			
						Positive Flows	457	7.4	7.4	0.0%	1.000	219	7.8	7.5	1.0%	0.095	238	7.1	7.2	-0.9%	0.128			
					S332B	S332B	Structure	FWM	All Flows	511	6.8	6.9	0.3%	0.743	249	7.0	6.9	1.4%	0.073	262	6.6	7.0	-2.2%	0.091
									Positive Flows	309	6.6	6.9	0.3%	0.743	186	6.8	6.9	1.4%	0.073	123	6.6	7.0	-2.2%	0.091
	Geomean	All Flows	511	6.8					6.9	-0.6%	0.324	249	7.0	6.9	1.3%	0.266	262	6.6	7.0	-2.0%	0.017			
		Positive Flows	309	6.6					6.9	0.0%	1.000	186	6.8	6.9	1.7%	0.066	123	6.6	7.0	-2.3%	0.030			
	S332C	S332C	Structure	FWM					All Flows	523	6.5	6.1	0.2%	0.702	255	6.5	6.1	2.1%	0.073	268	6.5	6.2	-3.2%	0.033
									Positive Flows	260	6.0	6.1	0.2%	0.702	172	5.9	6.1	2.1%	0.073	88	6.5	6.2	-3.2%	0.033
					Geomean	All Flows	523	6.5	6.1	-1.2%	0.091	255	6.5	6.1	0.6%	0.367	268	6.5	6.2	-2.4%	0.002			
						Positive Flows	260	6.0	6.1	0.2%	0.674	172	5.9	6.1	1.5%	0.073	88	6.5	6.2	-3.3%	0.039			
					S332D	S332D	Structure	FWM	All Flows	597	6.6	6.0	-0.5%	0.200	298	6.6	6.0	-0.1%	0.748	299	6.5	6.2	-0.9%	0.097
									Positive Flows	394	6.3	6.0	-0.5%	0.200	239	6.3	6.0	-0.1%	0.748	155	6.3	6.2	-0.9%	0.097
	Geomean	All Flows	597	6.6					6.0	-0.3%	0.341	298	6.6	6.0	0.2%	0.695	299	6.5	6.2	-1.1%	0.077			
		Positive Flows	394	6.3					6.0	-0.2%	0.488	239	6.3	6.0	0.1%	0.772	155	6.3	6.2	-1.0%	0.114			
	S177	S177	Structure	FWM					All Flows	427	5.6	6.1	1.2%	0.185	230	5.9	6.1	2.0%	0.140	197	5.5	5.9	0.0%	1.000
									Positive Flows	330	5.8	6.1	1.2%	0.185	201	5.8	6.1	2.0%	0.140	129	6.1	5.9	0.0%	1.000
					Geomean	All Flows	427	5.6	6.1	0.7%	0.311	230	5.9	6.1	1.7%	0.145	197	5.5	5.9	0.0%	1.000			
						Positive Flows	330	5.8	6.1	1.4%	0.121	201	5.8	6.1	1.8%	0.116	129	6.1	5.9	0.5%	0.653			
					S18C	S18C	Structure	FWM	All Flows	587	4.8	5.1	-1.0%	0.060	288	4.9	5.3	-0.9%	0.193	299	4.7	4.3	-1.1%	0.183
									Positive Flows	407	4.7	5.1	-1.0%	0.060	240	4.9	5.3	-0.9%	0.193	167	4.6	4.3	-1.1%	0.183
	Geomean	All Flows	587	4.8					5.1	-1.1%	0.092	288	4.9	5.3	-1.0%	0.239	299	4.7	4.3	-1.5%	0.239			
		Positive Flows	407	4.7					5.1	-1.3%	0.069	240	4.9	5.3	-0.7%	0.352	167	4.6	4.3	-1.6%	0.104			
	TSB	S332D	Marsh	FWM					All Flows	92	4.2	3.6	0.0%	1.000	56	4.1	3.6	0.0%	1.000	36	4.6	3.5	-3.1%	0.174
									Positive Flows	75	3.9	3.6	0.0%	1.000	49	3.9	3.6	0.0%	1.000	26	4.0	3.5	-3.1%	0.174
					Geomean	All Flows	92	4.2	3.6	0.0%	1.000	56	4.1	3.6	0.0%	1.000	36	4.6	3.5	0.0%	1.000			
						Positive Flows	75	3.9	3.6	0.0%	1.000	49	3.9	3.6	0.0%	1.000	26	4.0	3.5	-3.1%	0.171			
					P37	S332D	Marsh	FWM	All Flows	90	2.6	2.6	0.0%	1.000	56	2.7	2.7	0.0%	1.000	34	2.6	2.3	0.0%	1.000
									Positive Flows	79	2.7	2.6	0.0%	1.000	51	2.8	2.7	0.0%	1.000	28	2.3	2.3	0.0%	1.000
	Geomean	All Flows	90	2.6					2.6	0.0%	1.000	56	2.7	2.7	0.0%	1.000	34	2.6	2.3	0.0%	1.000			
		Positive Flows	79	2.7					2.6	0.0%	1.000	51	2.8	2.7	0.0%	1.000	28	2.3	2.3	0.0%	1.000			
	EP	S18C	Marsh	FWM					All Flows	100	2.9	3.0	0.0%	1.000	57	2.9	3.0	0.0%	1.000	43	2.9	2.6	0.0%	1.000
									Positive Flows	78	2.8	3.0	0.0%	1.000	51	2.9	3.0	0.0%	1.000	27	2.5	2.6	0.0%	1.000
					Geomean	All Flows	100	2.9	3.0	0.0%	1.000	57	2.9	3.0	0.0%	1.000	43	2.9	2.6	0.0%	1.000			
						Positive Flows	78	2.8	3.0	0.0%	1.000	51	2.9	3.0	0.0%	1.000	27	2.5	2.6	0.0%	1.000			

Legend	
Trend Direction	Significance
Increasing	p <= 0.05
Increasing	0.05 < p <= 0.10
Decreasing	p <= 0.05
Decreasing	0.05 < p <= 0.10